

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070820\
 Data File : BM026690.D
 Acq On : 07 Jul 2020 23:20
 Operator : JU/CG
 Sample : L3216-02
 Misc : L00-S-10PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Quant Time: Jul 08 05:26:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 08 05:15:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	57532	20.00	ng	0.00
21) Naphthalene-d8	10.08	136	267341	20.00	ng	0.00
39) Acenaphthene-d10	13.99	164	187508	20.00	ng	0.00
64) Phenanthrene-d10	16.74	188	434913	20.00	ng	0.00
76) Chrysene-d12	20.96	240	513670	20.00	ng	-0.01
86) Perylene-d12	23.03	264	528826	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.96	112	618355	180.15	ng	0.00
7) Phenol-d6	6.54	99	936551	171.25	ng	0.00
23) Nitrobenzene-d5	8.48	82	958379	152.94	ng	0.00
42) 2,4,6-Tribromophenol	15.50	330	534638	195.74	ng	0.00
45) 2-Fluorobiphenyl	12.60	172	2153909	152.74	ng	0.00
79) Terphenyl-d14	19.42	244	4024241	154.18	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.95	88	19165	11.620	ng	99
3) Pyridine	3.36	79	35239	7.470	ng	97
4) n-Nitrosodimethylamine	3.27	42	25645	9.083	ng	# 92
6) Aniline	6.67	93	65191	9.712	ng	97
8) 2-Chlorophenol	6.90	128	39230	9.595	ng	96
9) Benzaldehyde	6.49	77	43848	14.446	ng	95
10) Phenol	6.56	94	51603	9.547	ng	93
11) bis(2-Chloroethyl)ether	6.78	93	43015	9.518	ng	98
12) 1,3-Dichlorobenzene	7.22	146	42442	9.549	ng	98
13) 1,4-Dichlorobenzene	7.36	146	43394	9.592	ng	98
14) 1,2-Dichlorobenzene	7.67	146	42155	9.354	ng	98
15) Benzyl Alcohol	7.59	79	41457	8.860	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.86	45	88745	9.514	ng	99
17) 2-Methylphenol	7.79	107	34761	8.462	ng	99
18) Hexachloroethane	8.38	117	16917	9.415	ng	98
19) n-Nitroso-di-n-propylamine	8.14	70	43093	9.470	ng	99
20) 3+4-Methylphenols	8.12	107	45839	8.117	ng	97
22) Acetophenone	8.15	105	73887	9.726	ng	# 96
24) Nitrobenzene	8.52	77	64830	9.834	ng	99
25) Isophorone	9.04	82	107917	8.981	ng	99
26) 2-Nitrophenol	9.22	139	19861	8.163	ng	91
27) 2,4-Dimethylphenol	9.30	122	38316	9.684	ng	92
28) bis(2-Chloroethoxy)methane	9.53	93	62455	9.408	ng	99
29) 2,4-Dichlorophenol	9.76	162	37315	8.564	ng	95
30) 1,2,4-Trichlorobenzene	9.96	180	43910	9.033	ng	99
31) Naphthalene	10.13	128	137502	9.247	ng	99
32) Benzoic acid	9.42	122	10656	3.549	ng	# 86
33) 4-Chloroaniline	10.27	127	56574	8.698	ng	96
34) Hexachlorobutadiene	10.42	225	28858	8.964	ng	98
35) Caprolactam	11.05	113	13114	8.497	ng	90
36) 4-Chloro-3-methylphenol	11.41	107	48365	8.783	ng	98
37) 2-Methylnaphthalene	11.76	142	104472	9.485	ng	97
38) 1-Methylnaphthalene	11.99	142	99430	9.422	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.15	216	58062	9.579	ng	99

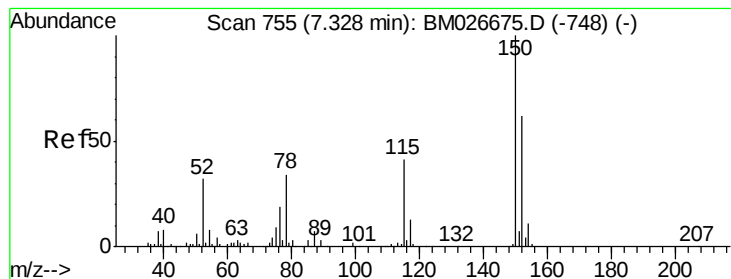
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070820\
 Data File : BM026690.D
 Acq On : 07 Jul 2020 23:20
 Operator : JU/CG
 Sample : L3216-02
 Misc : L00-S-10PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Quant Time: Jul 08 05:26:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 08 05:15:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.12	237	19974	6.906	ng	97
43) 2,4,6-Trichlorophenol	12.40	196	33037	8.320	ng	97
44) 2,4,5-Trichlorophenol	12.49	196	35976	7.710	ng	97
46) 1,1'-Biphenyl	12.81	154	147878	9.984	ng	99
47) 2-Chloronaphthalene	12.85	162	105970	8.857	ng	99
48) 2-Nitroaniline	13.07	65	38185	7.755	ng	99
49) Acenaphthylene	13.70	152	173263	9.058	ng	98
50) Dimethylphthalate	13.47	163	146235	9.118	ng	99
51) 2,6-Dinitrotoluene	13.59	165	30693	8.937	ng	95
52) Acenaphthene	14.05	154	103994	8.946	ng	98
53) 3-Nitroaniline	13.92	138	26457	7.405	ng	99
54) 2,4-Dinitrophenol	14.15	184	9672	4.812	ng	# 87
55) Dibenzofuran	14.39	168	173984	9.128	ng	98
56) 4-Nitrophenol	14.26	139	18514	6.603	ng	93
57) 2,4-Dinitrotoluene	14.39	165	39260	7.920	ng	# 91
58) Fluorene	15.05	166	139588	8.845	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.64	232	36018	8.839	ng	97
60) Diethylphthalate	14.85	149	152049	8.966	ng	98
61) 4-Chlorophenyl-phenylether	15.06	204	74599	8.725	ng	99
62) 4-Nitroaniline	15.09	138	21409	5.741	ng	97
63) Azobenzene	15.35	77	170087	9.131	ng	96
65) 4,6-Dinitro-2-methylphenol	15.17	198	19210	6.497	ng	97
66) n-Nitrosodiphenylamine	15.27	169	126283	9.137	ng	100
67) 4-Bromophenyl-phenylether	15.95	248	45826	8.465	ng	97
68) Hexachlorobenzene	16.06	284	52249	9.171	ng	96
69) Atrazine	16.24	200	45300	10.900	ng	97
70) Pentachlorophenol	16.42	266	23636	7.333	ng	94
71) Phenanthrene	16.79	178	233243	9.084	ng	99
72) Anthracene	16.88	178	234595	9.178	ng	99
73) Carbazole	17.16	167	206255	8.464	ng	97
74) Di-n-butylphthalate	17.74	149	262942	8.582	ng	100
75) Fluoranthene	18.82	202	287388	9.088	ng	99
77) Benzidine	19.03	184	117860	11.638	ng	100
78) Pyrene	19.19	202	299786	9.265	ng	99
80) Butylbenzylphthalate	20.13	149	122837	8.459	ng	97
81) Benzo(a)anthracene	20.95	228	321818	9.327	ng	99
82) 3,3'-Dichlorobenzidine	20.90	252	110765	10.114	ng	99
83) Chrysene	21.00	228	305505	9.097	ng	99
84) Bis(2-ethylhexyl)phthalate	20.92	149	199317	8.568	ng	99
85) Di-n-octyl phthalate	21.76	149	333977	8.400	ng	97
87) Indeno(1,2,3-cd)pyrene	25.04	276	351986	9.350	ng	99
88) Benzo(b)fluoranthene	22.43	252	321192	9.218	ng	99
89) Benzo(k)fluoranthene	22.47	252	325184	9.514	ng	100
90) Benzo(a)pyrene	22.94	252	285926	8.839	ng	99
91) Dibenzo(a,h)anthracene	25.04	278	295018	9.283	ng	98
92) Benzo(g,h,i)perylene	25.64	276	282151	9.635	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

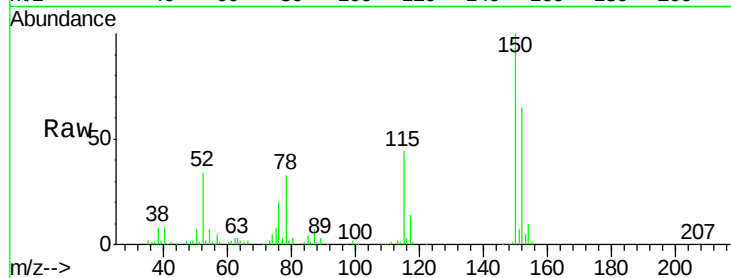


#1

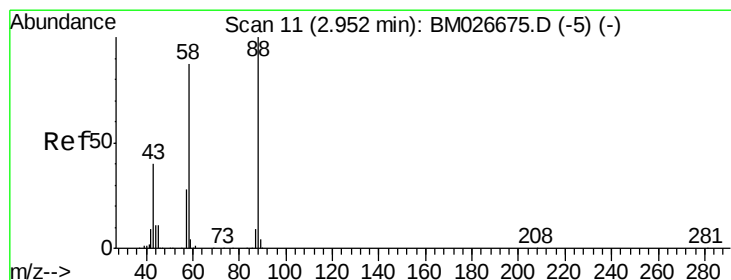
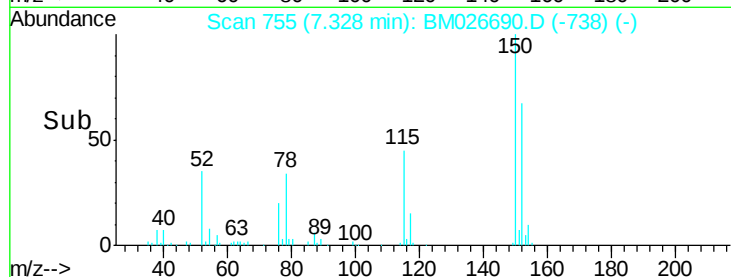
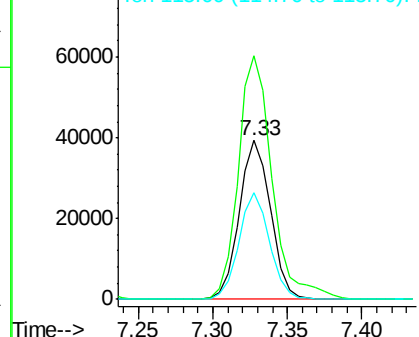
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.33 min Scan# 755
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:152 Resp: 57532
Ion Ratio Lower Upper
152 100
150 153.0 128.1 192.1
115 67.0 52.2 78.4



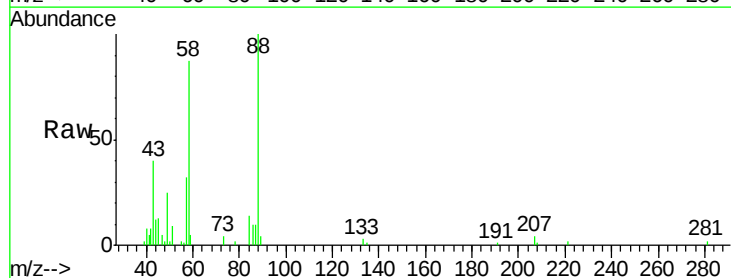
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



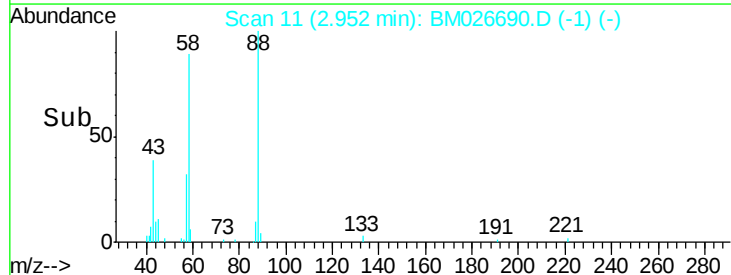
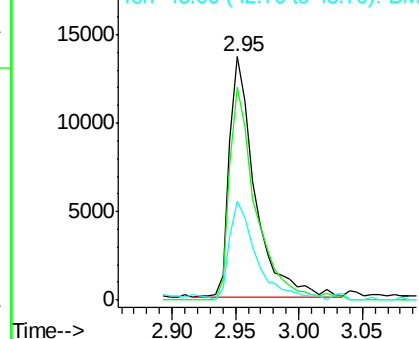
#2

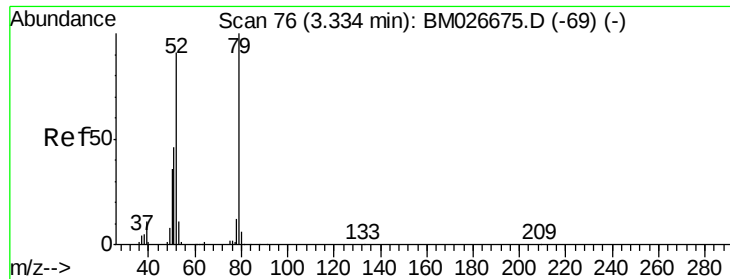
1,4-Dioxane
Concen: 11.620 ng
RT: 2.95 min Scan# 11
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion: 88 Resp: 19165
Ion Ratio Lower Upper
88 100
58 90.9 73.2 109.8
43 43.5 34.3 51.5



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 58.00 (57.70 to 58.70): BM0
Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 7.470 ng

RT: 3.36 min Scan# 81

Delta R.T. 0.03 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

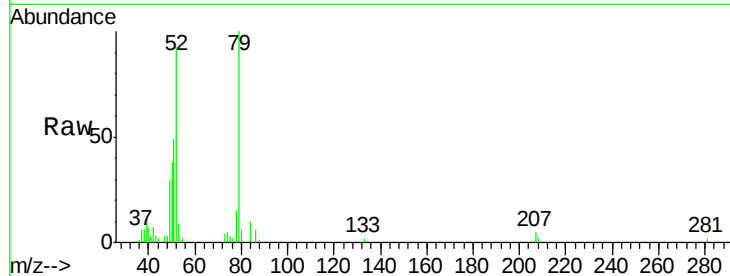
Tot Ion: 79 Resp: 35239

Ion Ratio Lower Upper

79 100

52 93.3 72.9 109.3

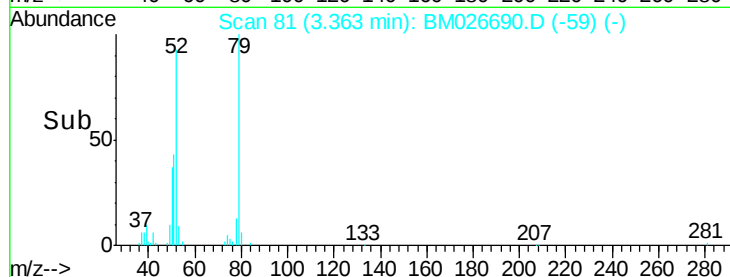
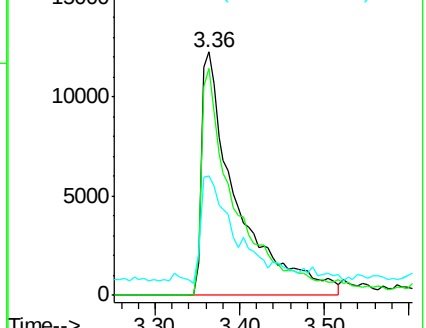
51 49.1 37.6 56.4



Abundance Ion 79.00 (78.70 to 79.70): BM026690.D (-69) (-)

Ion 52.00 (51.70 to 52.70): BM026690.D (-69) (-)

Ion 51.00 (50.70 to 51.70): BM026690.D (-69) (-)



#4

n-Nitrosodimethylamine

Concen: 9.083 ng

RT: 3.27 min Scan# 65

Delta R.T. 0.02 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

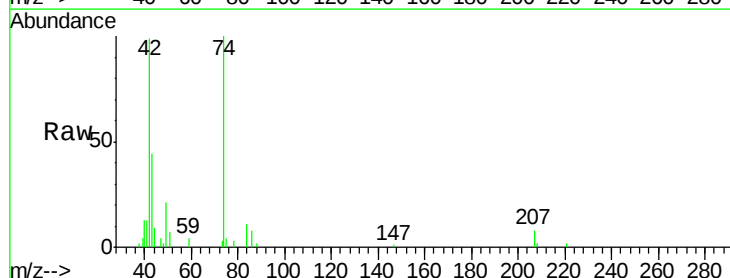
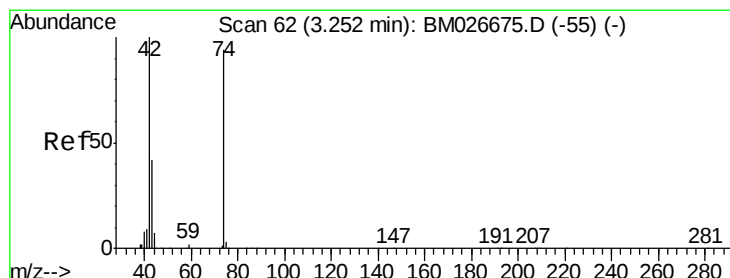
Tgt Ion: 42 Resp: 25645

Ion Ratio Lower Upper

42 100

74 101.4 75.1 112.7

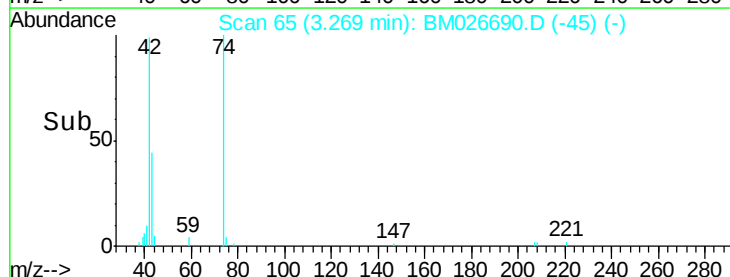
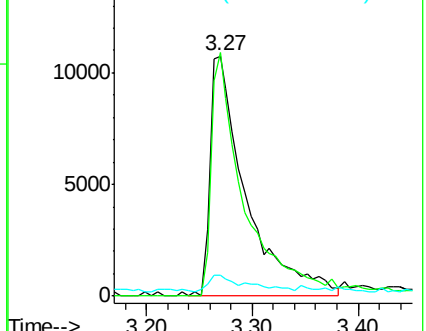
44 8.8 5.7 8.5#

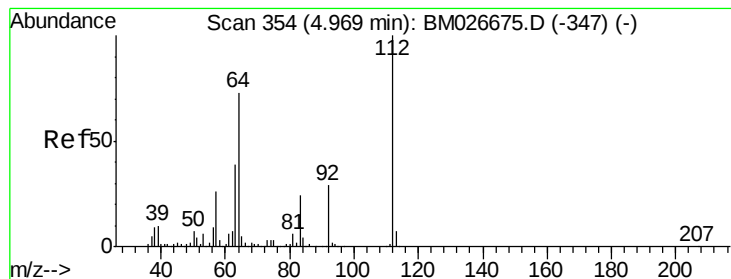


Abundance Ion 42.00 (41.70 to 42.70): BM026690.D (-45) (-)

Ion 74.00 (73.70 to 74.70): BM026690.D (-45) (-)

Ion 44.00 (43.70 to 44.70): BM026690.D (-45) (-)

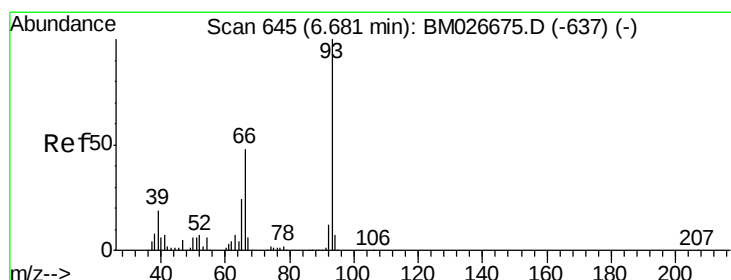
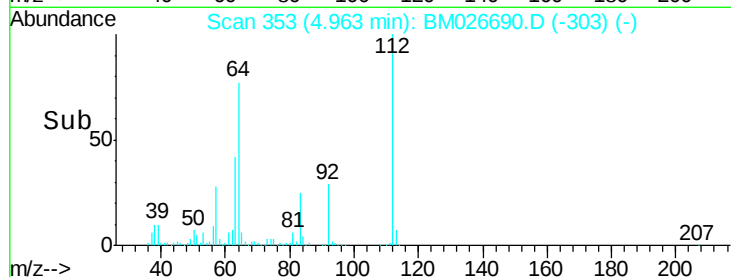
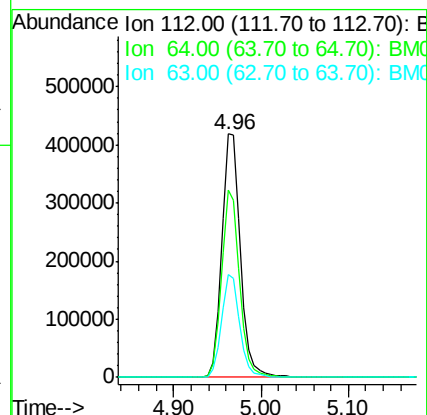
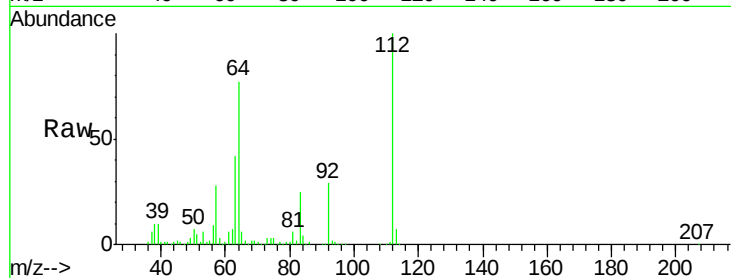




#5
 2-Fluorophenol
 Concen: 180.147 ng
 RT: 4.96 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

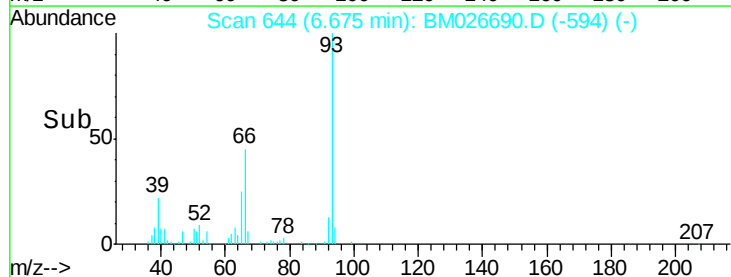
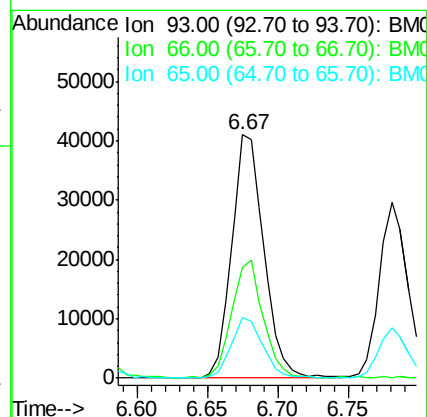
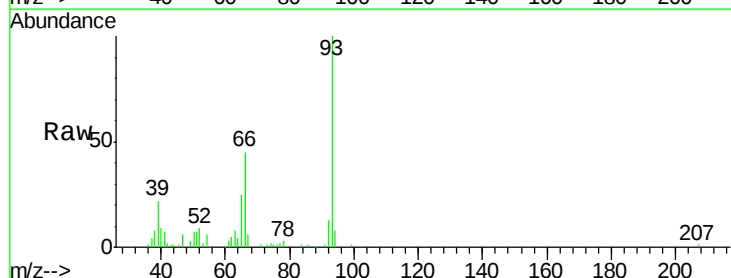
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

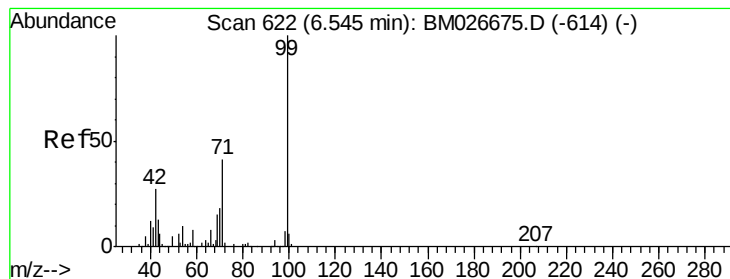
Tot Ion:	112	Resp:	618355
Ion	Ratio	Lower	Upper
112	100		
64	76.8	58.4	87.6
63	42.1	31.5	47.3



#6
 Aniline
 Concen: 9.712 ng
 RT: 6.67 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

Tgt Ion:	93	Resp:	65191
Ion	Ratio	Lower	Upper
93	100		
66	45.3	38.2	57.4
65	24.7	19.6	29.4





#7

Phenol-d6

Concen: 171.252 ng

RT: 6.54 min Scan# 621

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

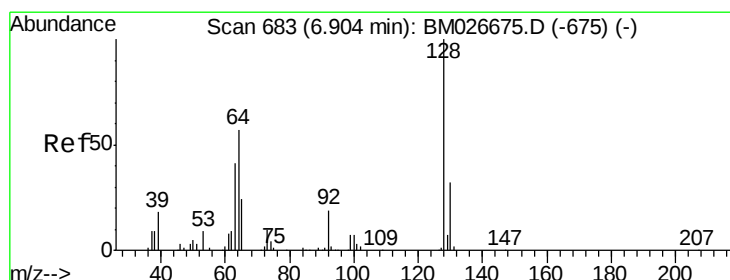
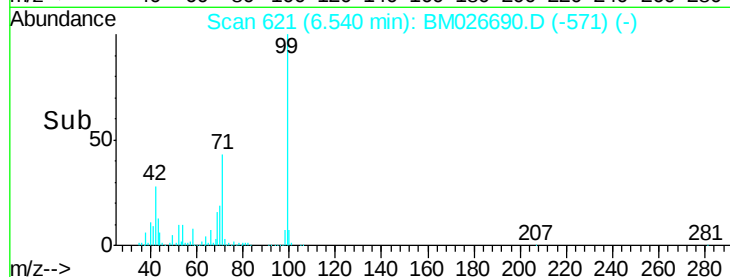
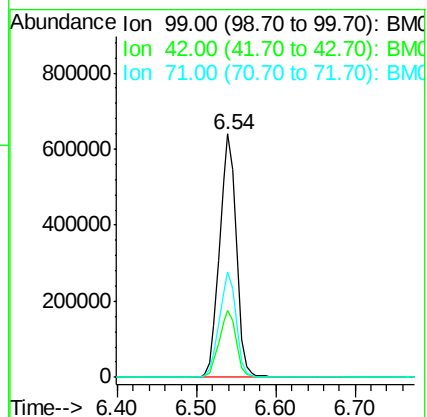
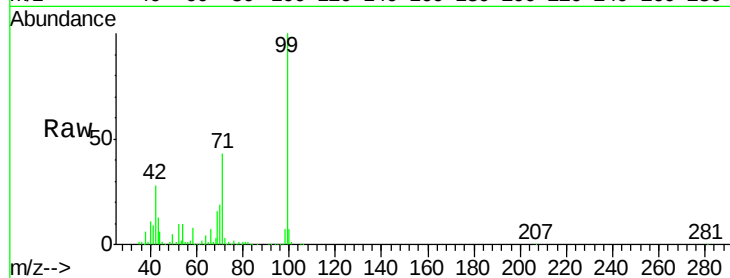
Tot Ion: 99 Resp: 936551

Ion Ratio Lower Upper

99 100

42 27.8 21.7 32.5

71 43.4 33.2 49.8



#8

2-Chlorophenol

Concen: 9.595 ng

RT: 6.90 min Scan# 683

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

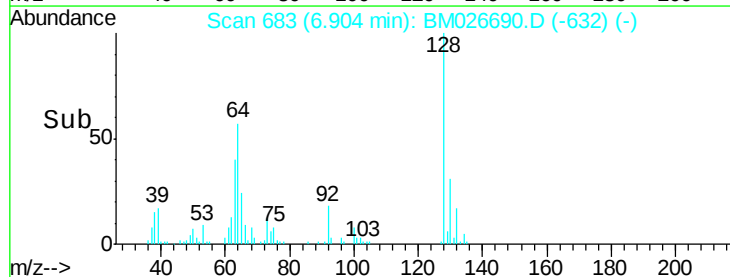
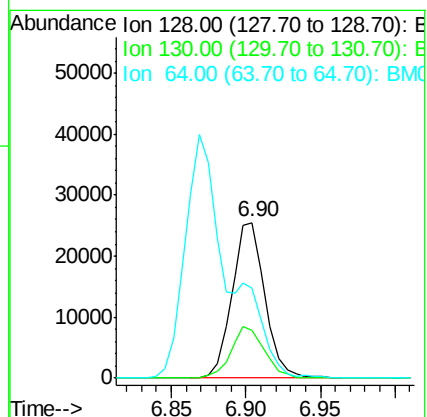
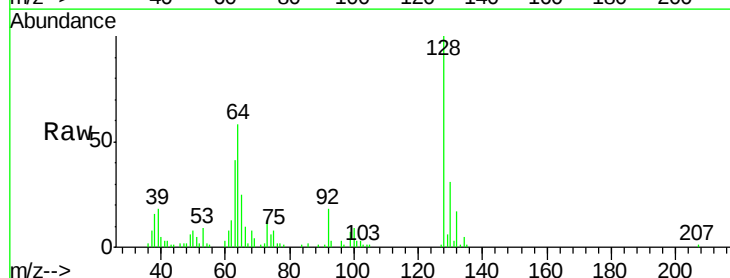
Tgt Ion: 128 Resp: 39230

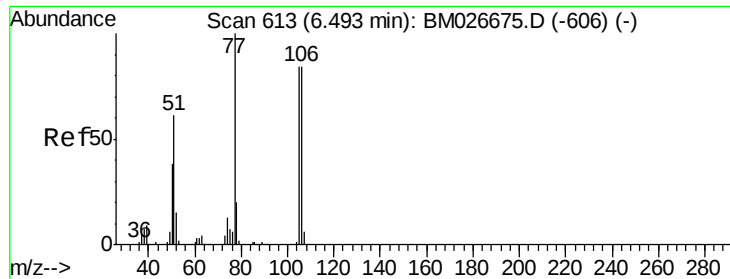
Ion Ratio Lower Upper

128 100

130 30.5 12.2 52.2

64 57.8 41.4 81.4





#9

Benzaldehyde

Concen: 14.446 ng

RT: 6.49 min Scan# 613

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

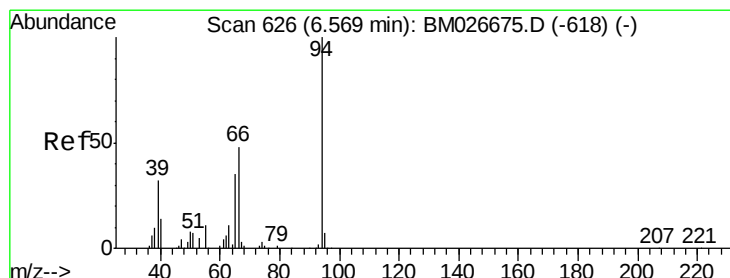
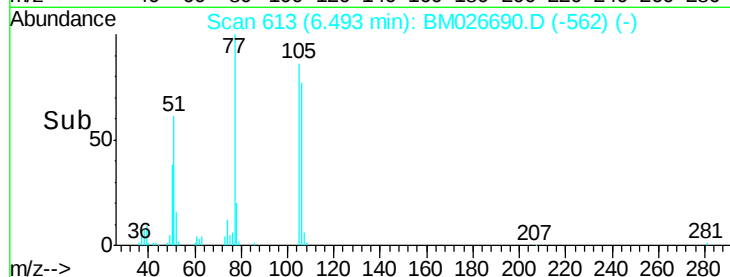
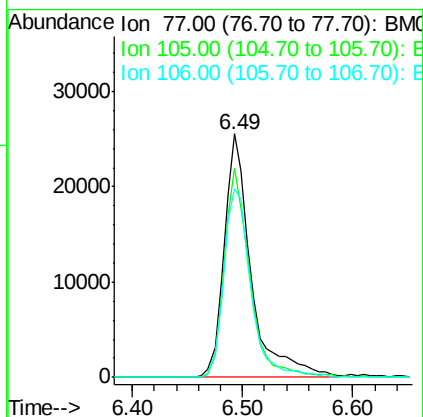
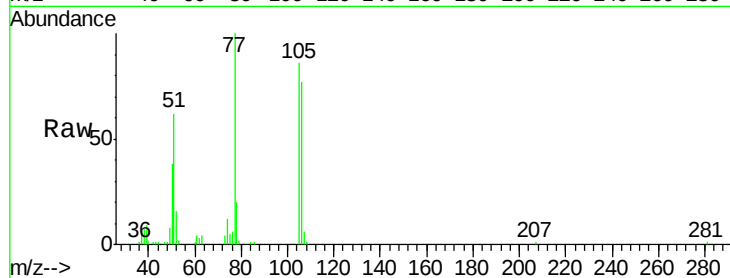
Tot Ion: 77 Resp: 43848

Ion Ratio Lower Upper

77 100

105 86.1 64.4 104.4

106 77.4 64.3 104.3



#10

Phenol

Concen: 9.547 ng

RT: 6.56 min Scan# 625

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

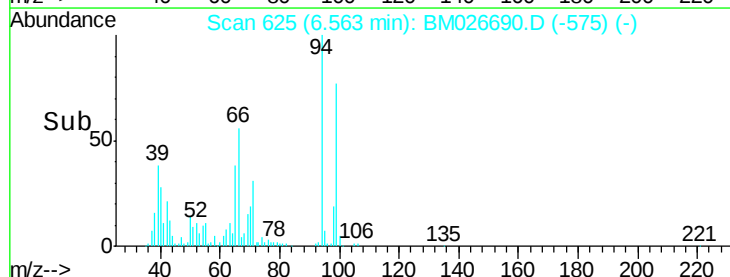
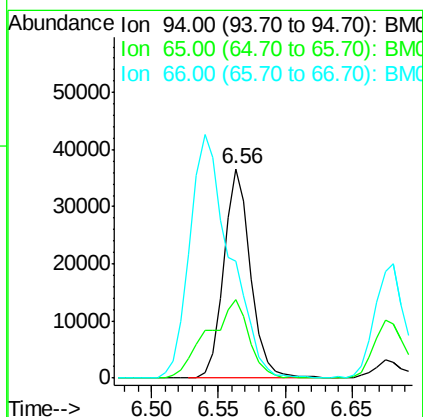
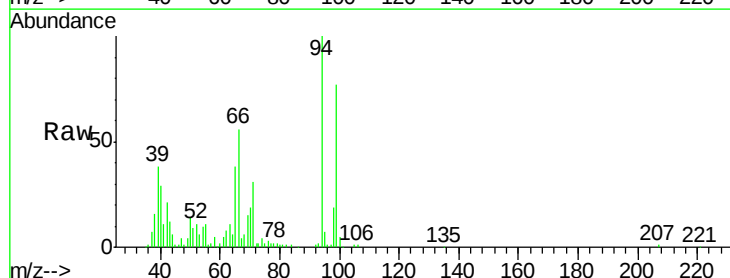
Tgt Ion: 94 Resp: 51603

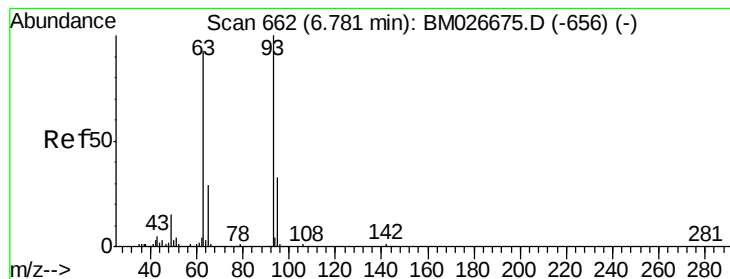
Ion Ratio Lower Upper

94 100

65 37.6 15.5 55.5

66 56.1 29.8 69.8





#11

bis(2-Chloroethyl)ether

Concen: 9.518 ng

RT: 6.78 min Scan# 662

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

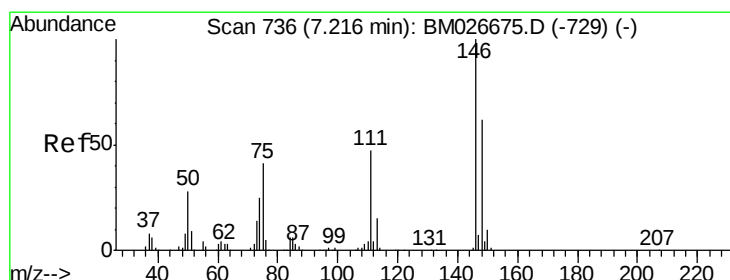
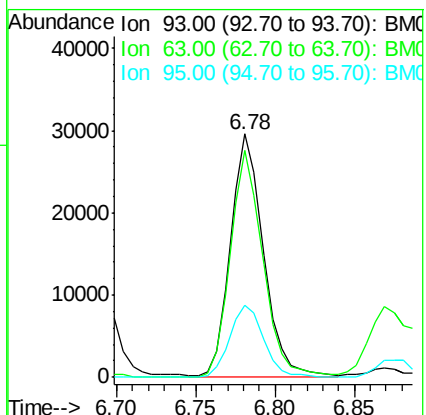
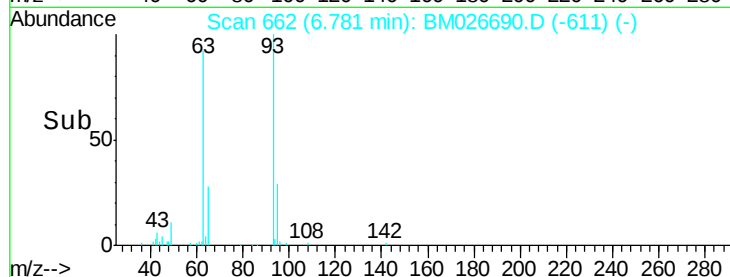
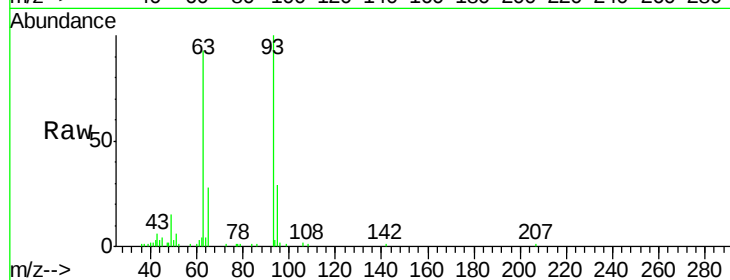
Tot Ion: 93 Resp: 43015

Ion Ratio Lower Upper

93 100

63 93.0 72.6 112.6

95 29.4 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 9.549 ng

RT: 7.22 min Scan# 736

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

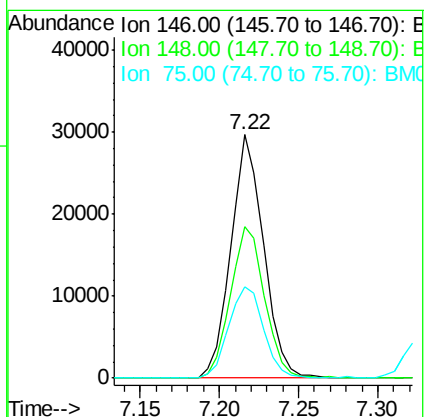
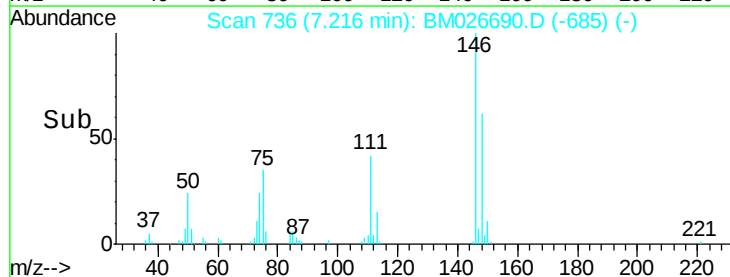
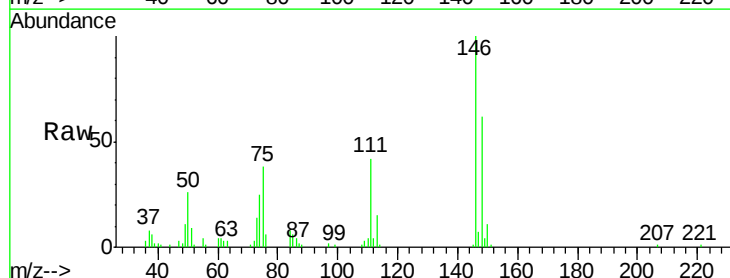
Tgt Ion: 146 Resp: 42442

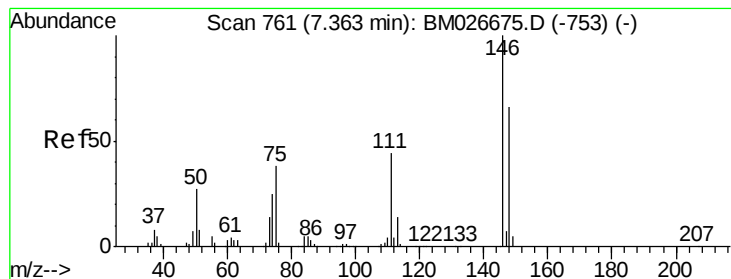
Ion Ratio Lower Upper

146 100

148 62.3 49.7 74.5

75 37.7 32.7 49.1





#13

1,4-Dichlorobenzene

Concen: 9.592 ng

RT: 7.36 min Scan# 761

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

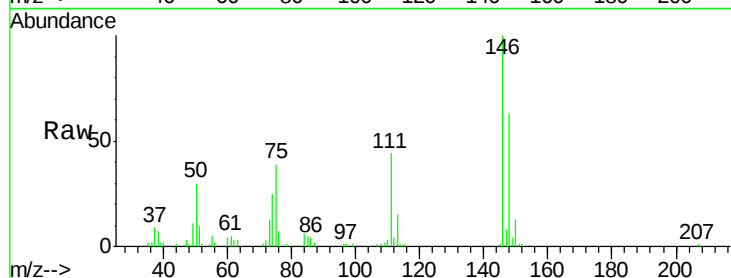
Tot Ion:146 Resp: 43394

Ion Ratio Lower Upper

146 100

148 63.3 52.4 78.6

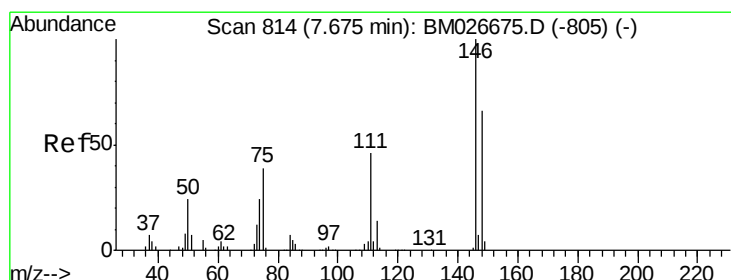
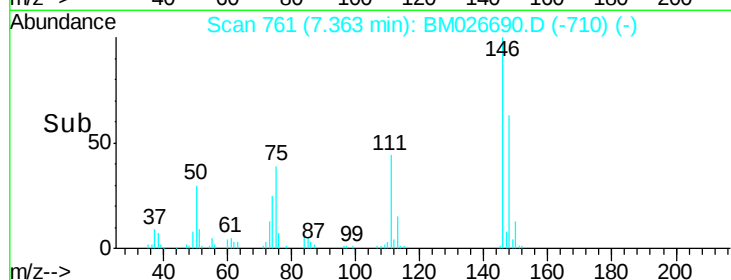
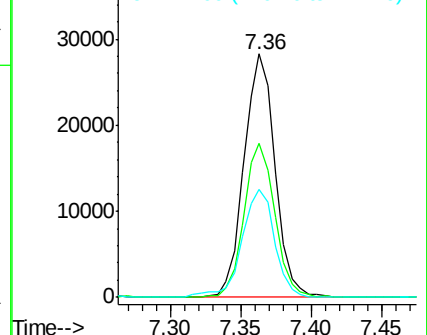
111 44.4 35.6 53.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 9.354 ng

RT: 7.67 min Scan# 813

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

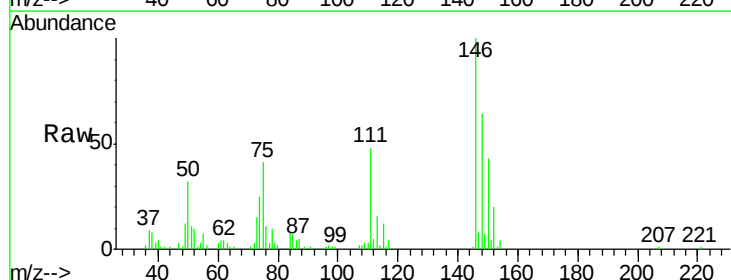
Tgt Ion:146 Resp: 42155

Ion Ratio Lower Upper

146 100

148 64.3 52.6 78.8

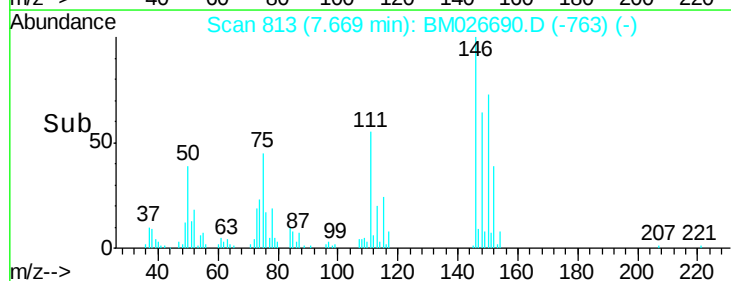
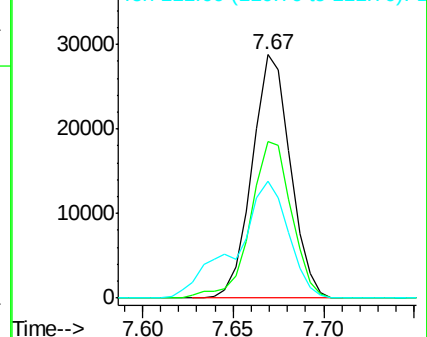
111 47.8 37.2 55.8

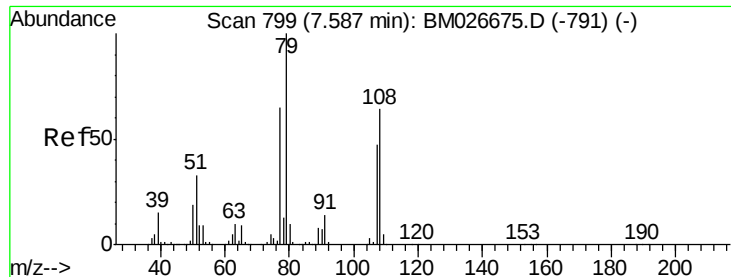


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 8.860 ng

RT: 7.59 min Scan# 799

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

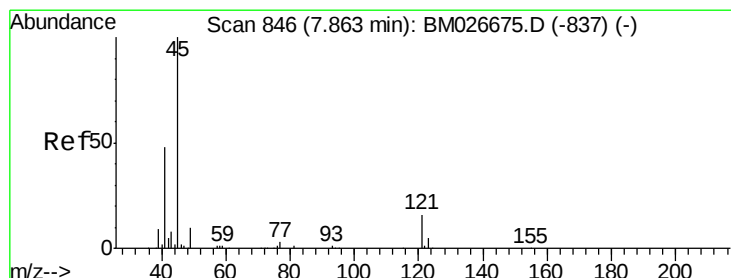
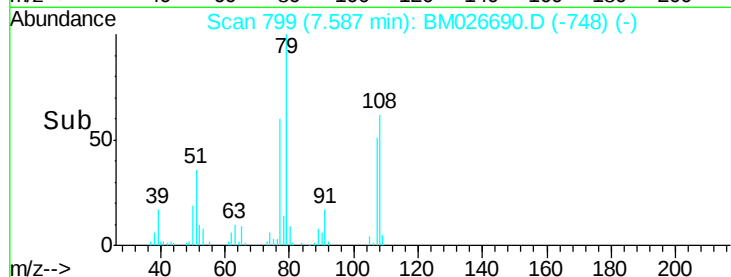
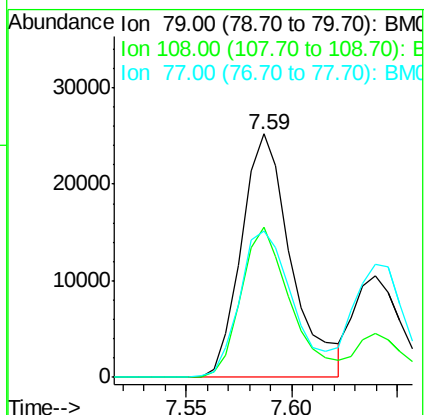
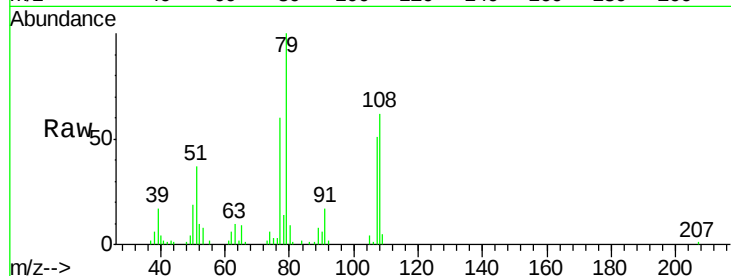
Tot Ion: 79 Resp: 41457

Ion Ratio Lower Upper

79 100

108 61.7 51.0 76.4

77 60.3 52.1 78.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 9.514 ng

RT: 7.86 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

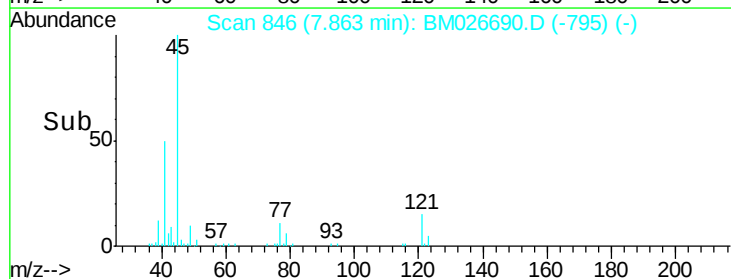
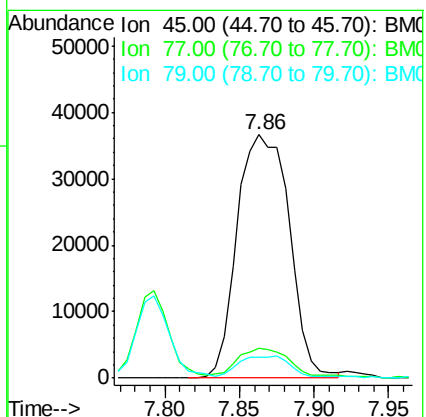
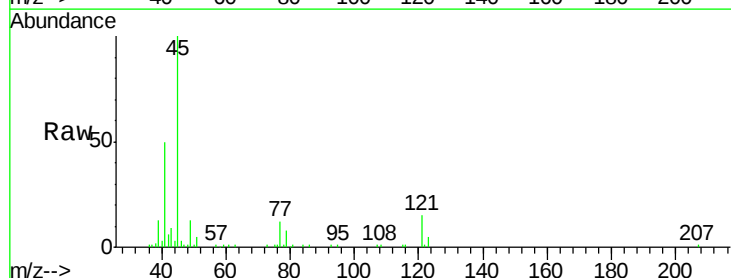
Tgt Ion: 45 Resp: 88745

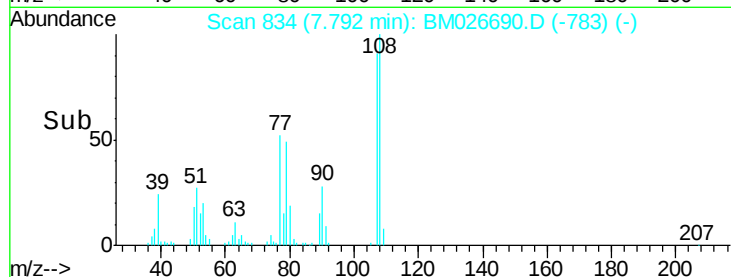
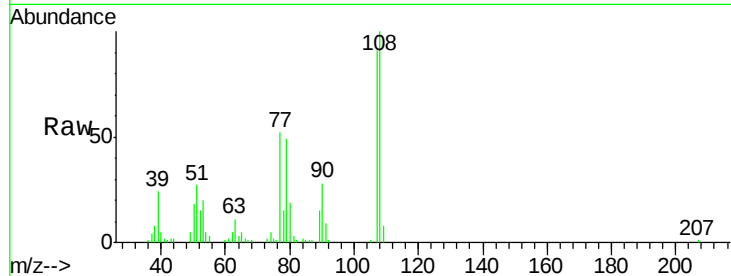
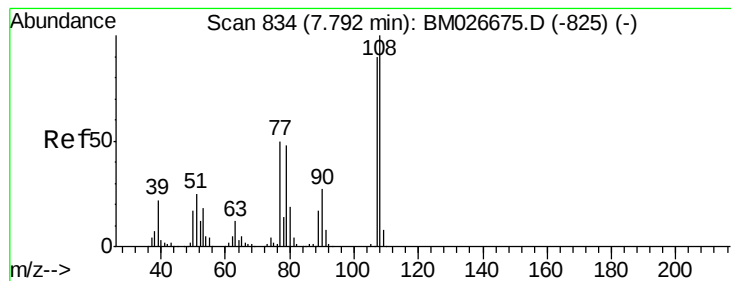
Ion Ratio Lower Upper

45 100

77 12.3 0.0 31.4

79 8.5 0.0 28.4





#17

2-Methylphenol

Concen: 8.462 ng

RT: 7.79 min Scan# 834

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:107 Resp: 34761

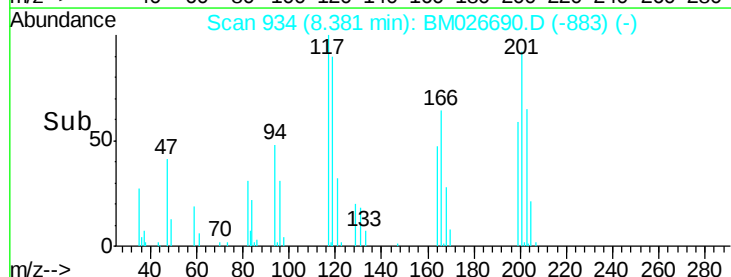
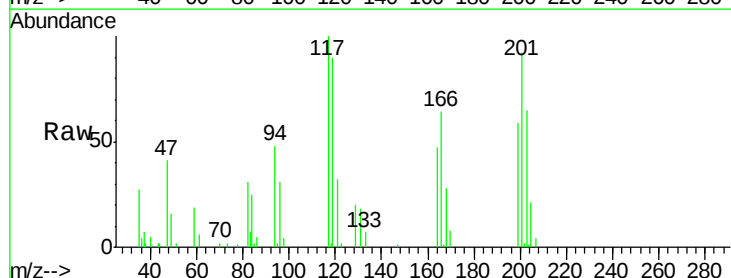
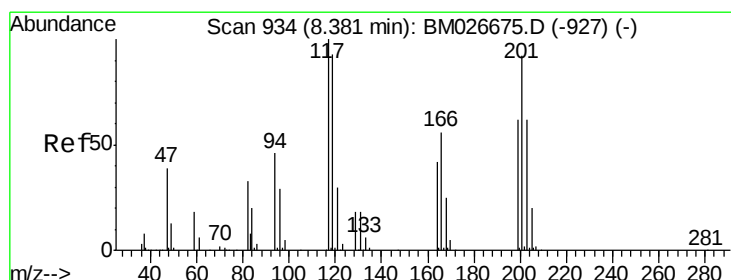
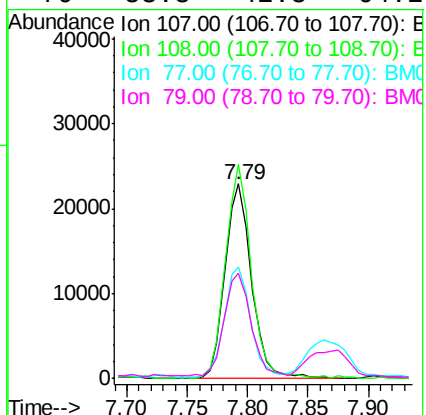
Ion Ratio Lower Upper

107 100

108 109.8 89.4 134.0

77 57.5 45.2 67.8

79 53.8 42.8 64.2



#18

Hexachloroethane

Concen: 9.415 ng

RT: 8.38 min Scan# 934

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

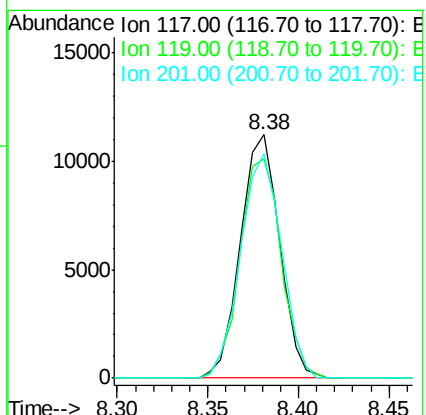
Tgt Ion:117 Resp: 16917

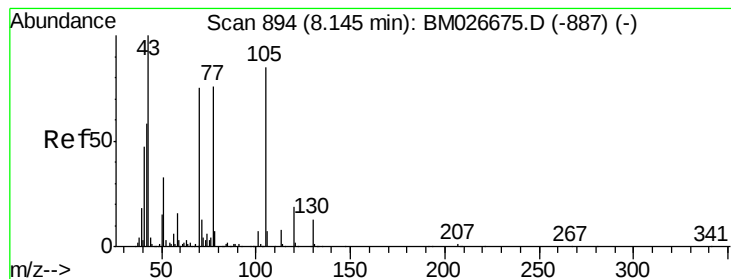
Ion Ratio Lower Upper

117 100

119 90.1 74.2 111.2

201 93.9 73.6 110.4





#19

n-Nitroso-di-n-propylamine

Concen: 9.470 ng

RT: 8.14 min Scan# 893

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 70 Resp: 43093

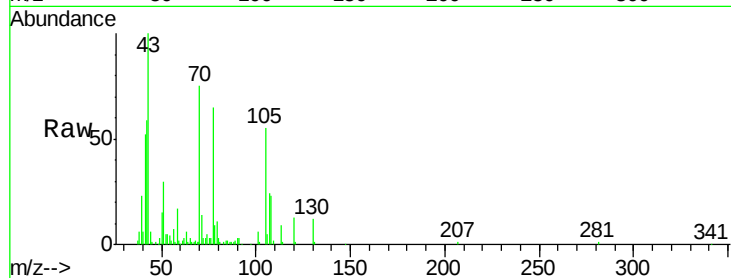
Ion Ratio Lower Upper

70 100

42 78.3 62.3 93.5

101 7.8 7.1 10.7

130 16.3 14.3 21.5



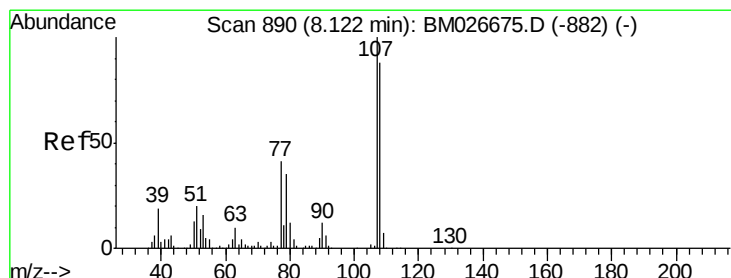
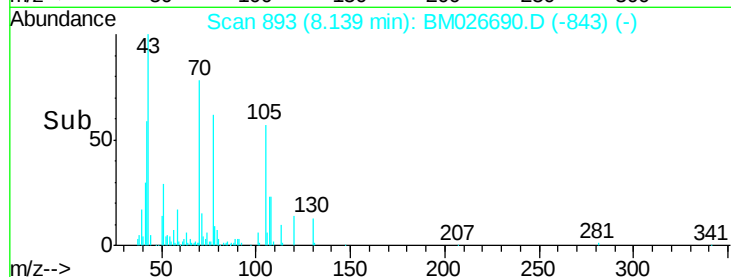
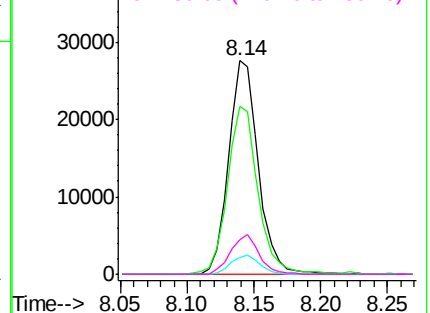
Abundance

Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20

3+4-Methylphenols

Concen: 8.117 ng

RT: 8.12 min Scan# 890

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Tgt Ion: 107 Resp: 45839

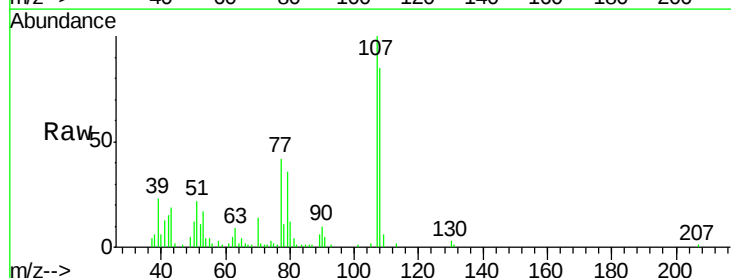
Ion Ratio Lower Upper

107 100

108 85.0 68.5 108.5

77 42.3 20.8 60.8

79 35.7 14.8 54.8



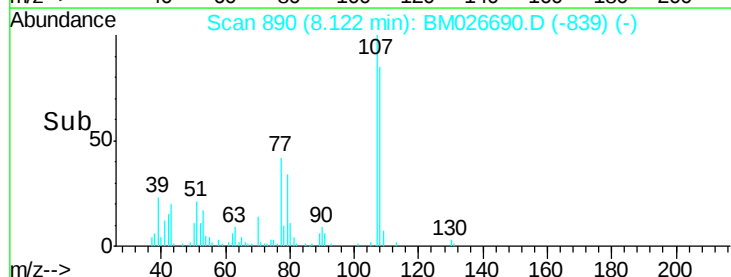
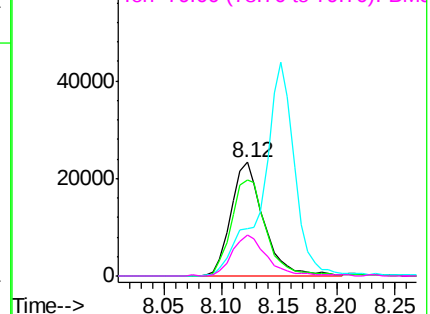
Abundance

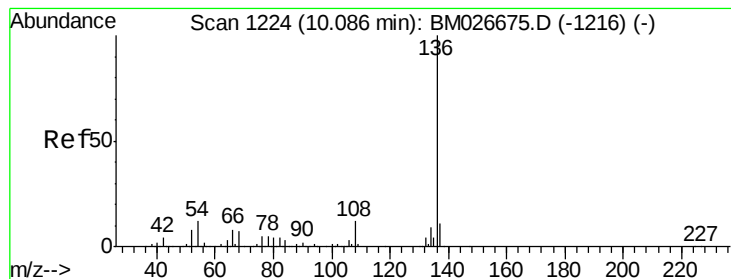
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.08 min Scan# 1223

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:136 Resp: 267341

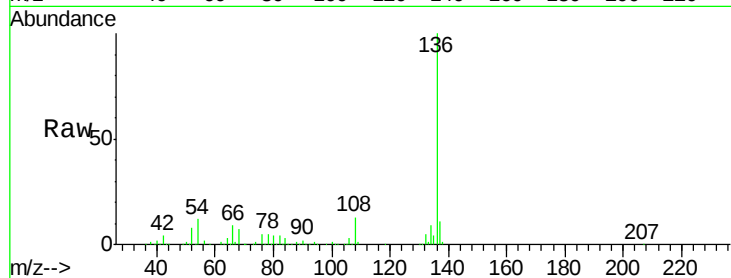
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 12.3 9.8 14.6

68 6.8 5.8 8.6

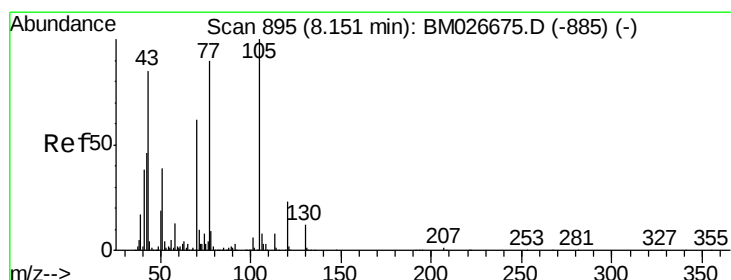
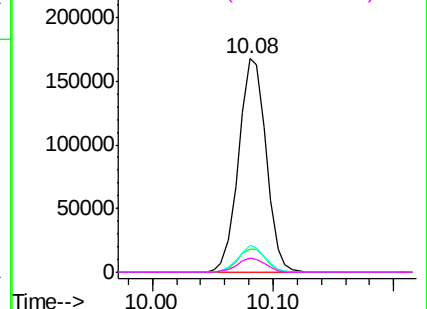
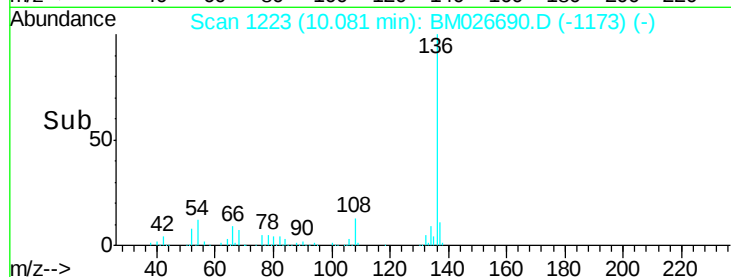


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM0

Ion 68.00 (67.70 to 68.70): BM0



#22

Acetophenone

Concen: 9.726 ng

RT: 8.15 min Scan# 895

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Tgt Ion:105 Resp: 73887

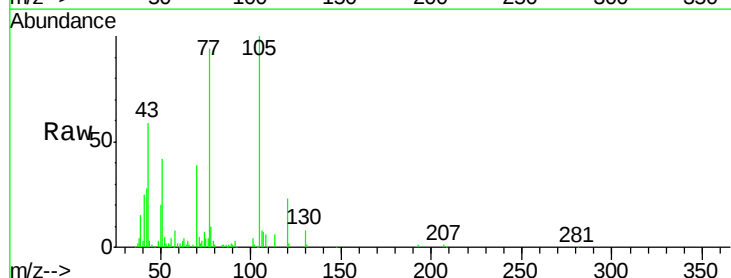
Ion Ratio Lower Upper

105 100

71 5.5 8.1 12.1#

51 42.1 31.9 47.9

120 22.9 18.0 27.0

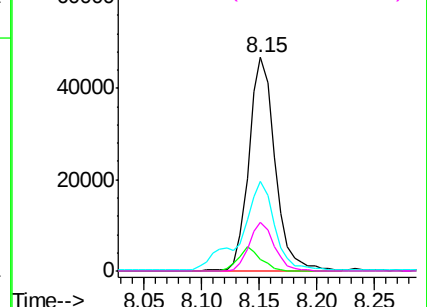
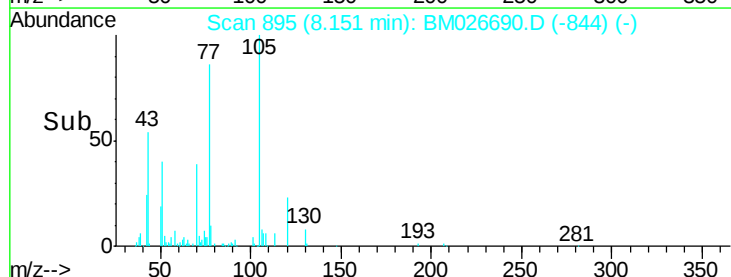


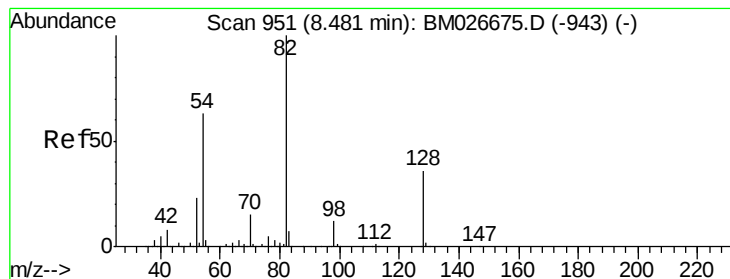
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM0

Ion 51.00 (50.70 to 51.70): BM0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 152.941 ng

RT: 8.48 min Scan# 951

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

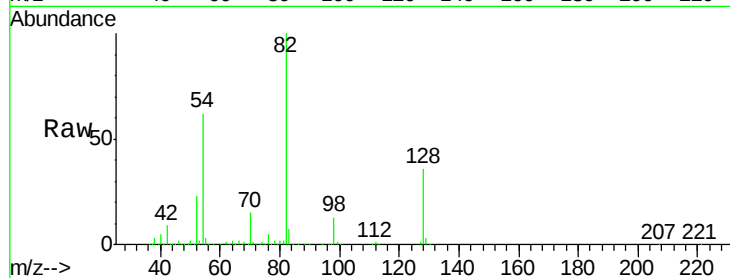
Tot Ion: 82 Resp: 958379

Ion Ratio Lower Upper

82 100

128 35.8 29.1 43.7

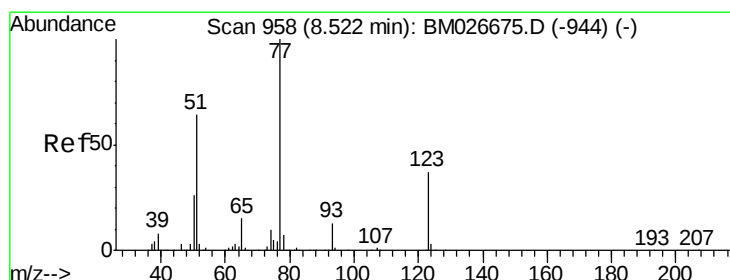
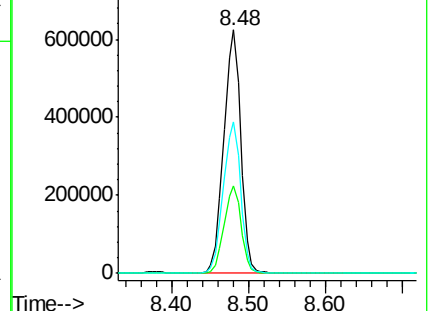
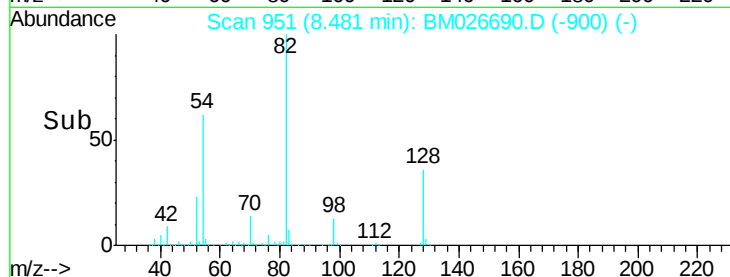
54 62.1 50.2 75.4



Abundance Ion 82.00 (81.70 to 82.70): BM026690.D (-900) (-)

Ion 128.00 (127.70 to 128.70): BM026690.D (-900) (-)

Ion 54.00 (53.70 to 54.70): BM026690.D (-900) (-)



#24

Nitrobenzene

Concen: 9.834 ng

RT: 8.52 min Scan# 957

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

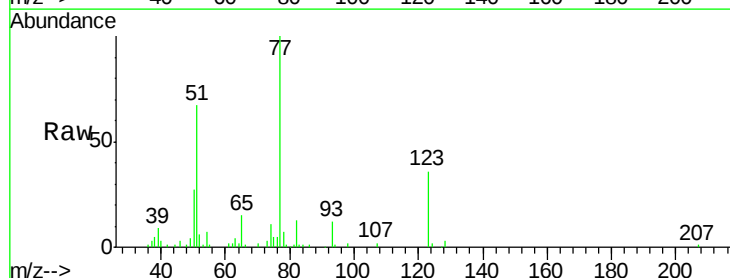
Tgt Ion: 77 Resp: 64830

Ion Ratio Lower Upper

77 100

123 36.2 29.8 44.6

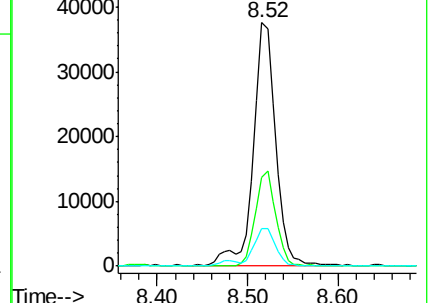
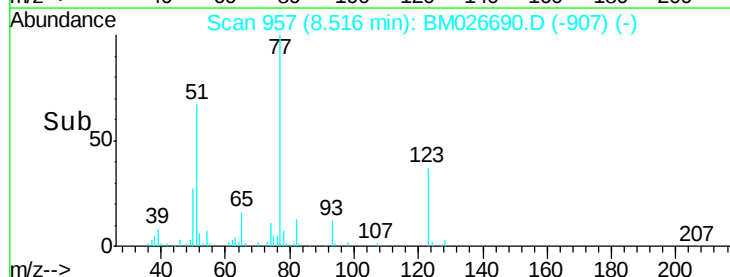
65 15.3 12.2 18.4

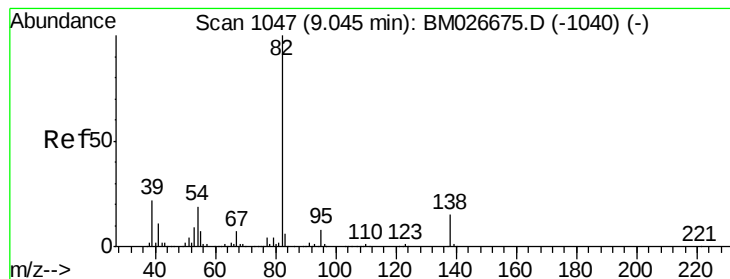


Abundance Ion 77.00 (76.70 to 77.70): BM026690.D (-907) (-)

Ion 123.00 (122.70 to 123.70): BM026690.D (-907) (-)

Ion 65.00 (64.70 to 65.70): BM026690.D (-907) (-)





#25

Isophorone

Concen: 8.981 ng

RT: 9.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

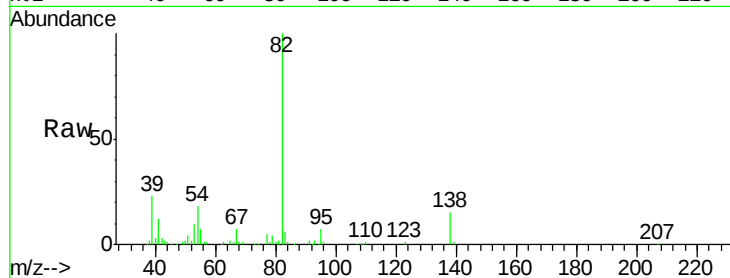
Tot Ion: 82 Resp: 107917

Ion Ratio Lower Upper

82 100

95 7.4 6.3 9.5

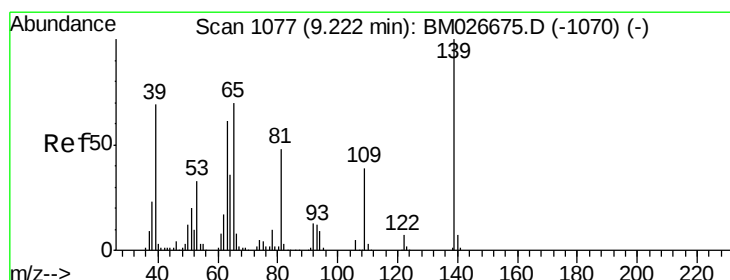
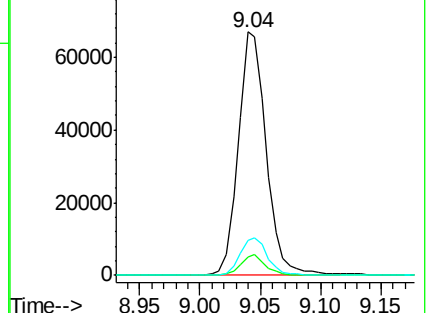
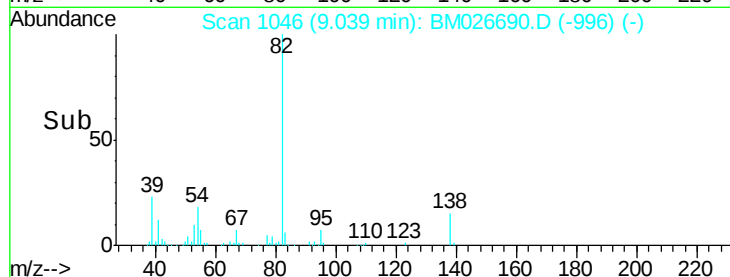
138 14.5 12.0 18.0



Abundance Ion 82.00 (81.70 to 82.70): BM026690.D (-996) (-)

Ion 95.00 (94.70 to 95.70): BM026690.D (-996) (-)

Ion 138.00 (137.70 to 138.70): BM026690.D (-996) (-)



#26

2-Nitrophenol

Concen: 8.163 ng

RT: 9.22 min Scan# 1077

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

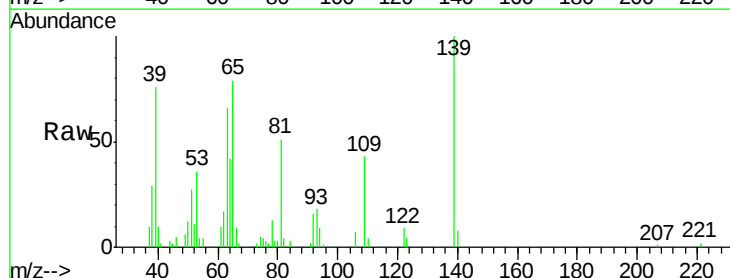
Tgt Ion: 139 Resp: 19861

Ion Ratio Lower Upper

139 100

109 43.0 30.8 46.2

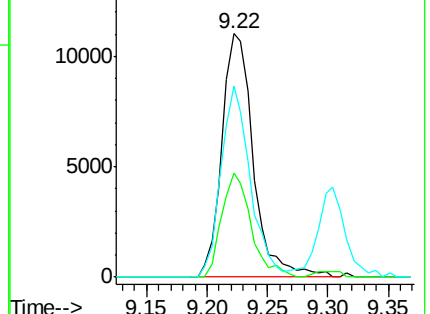
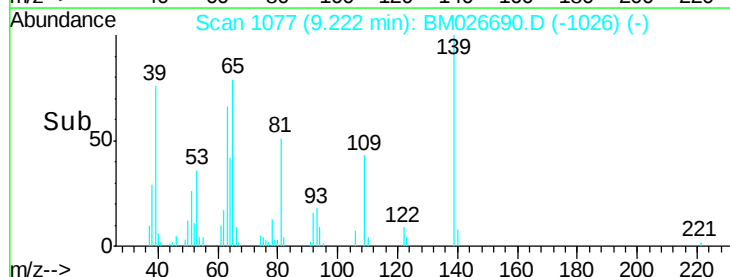
65 78.5 56.2 84.4

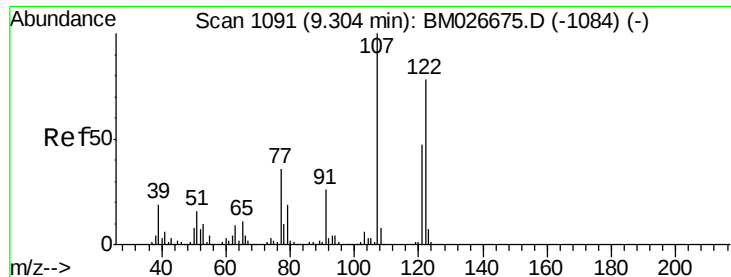


Abundance Ion 139.00 (138.70 to 139.70): BM026690.D (-1026) (-)

Ion 109.00 (108.70 to 109.70): BM026690.D (-1026) (-)

Ion 65.00 (64.70 to 65.70): BM026690.D (-1026) (-)

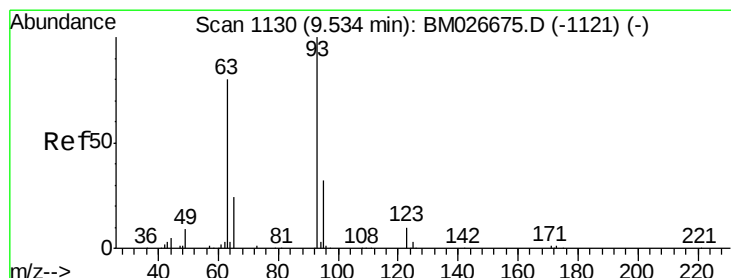
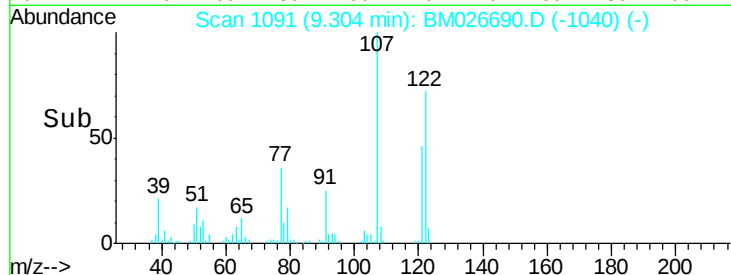
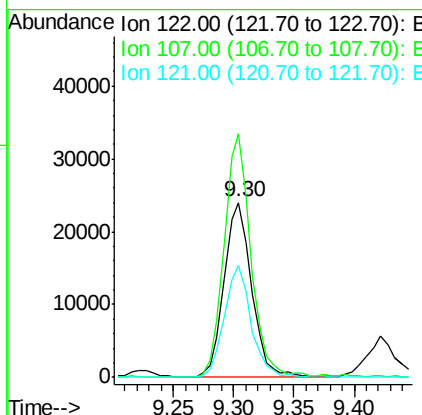
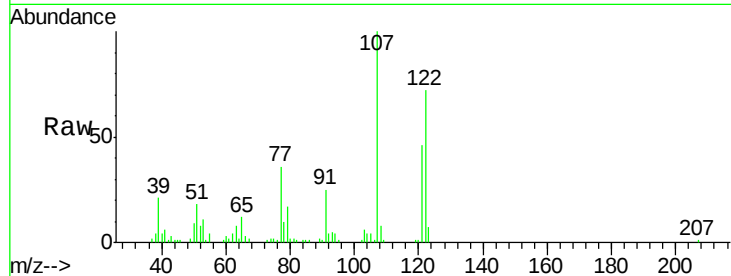




#27
2,4-Dimethylphenol
Concen: 9.684 ng
RT: 9.30 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

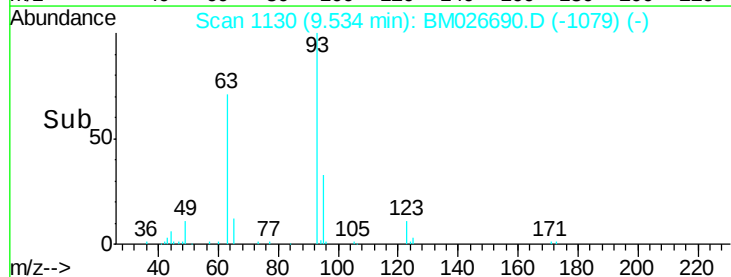
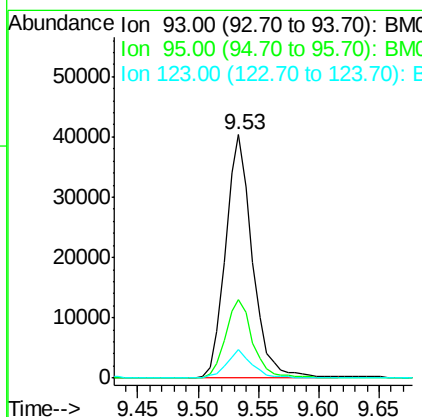
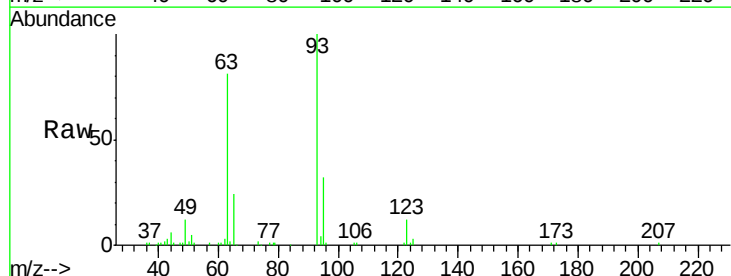
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

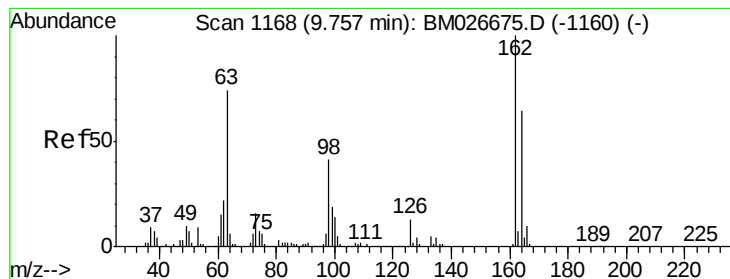
Tot Ion:122 Resp: 38316
Ion Ratio Lower Upper
122 100
107 139.1 102.1 153.1
121 63.8 48.2 72.2



#28
bis(2-Chloroethoxy)methane
Concen: 9.408 ng
RT: 9.53 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion: 93 Resp: 62455
Ion Ratio Lower Upper
93 100
95 32.2 25.7 38.5
123 11.9 8.7 13.1





#29

2,4-Dichlorophenol

Concen: 8.564 ng

RT: 9.76 min Scan# 1169

Delta R.T. 0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

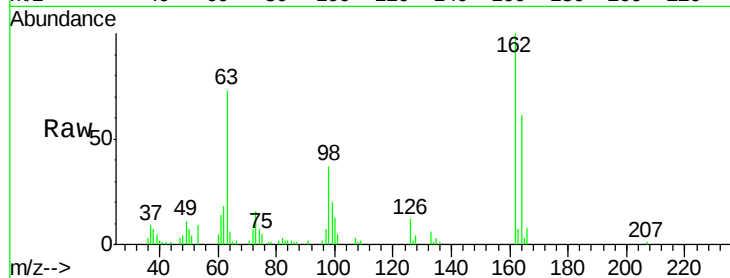
Tot Ion:162 Resp: 37315

Ion Ratio Lower Upper

162 100

164 60.9 44.3 84.3

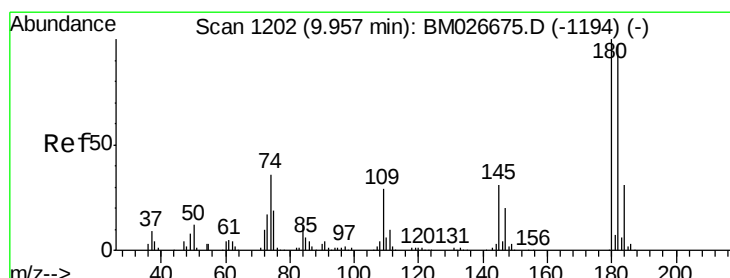
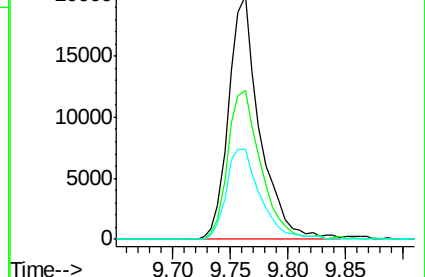
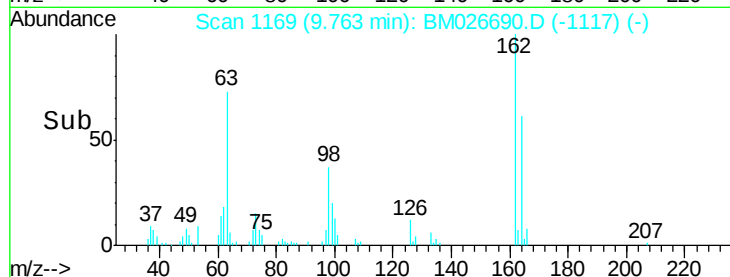
98 37.1 21.0 61.0



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#30

1,2,4-Trichlorobenzene

Concen: 9.033 ng

RT: 9.96 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

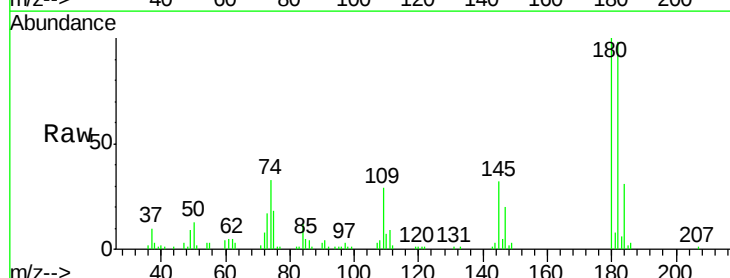
Tgt Ion:180 Resp: 43910

Ion Ratio Lower Upper

180 100

182 98.0 77.8 116.6

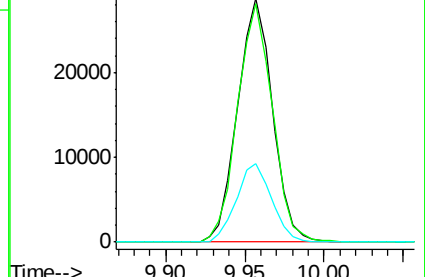
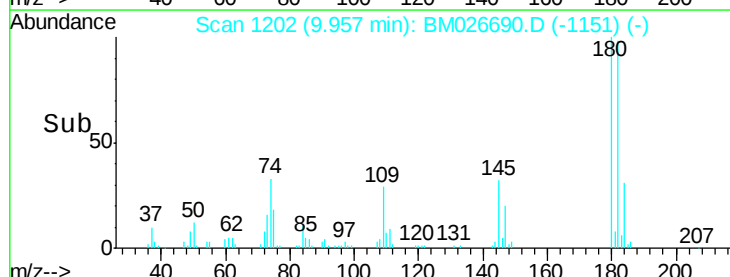
145 32.1 25.0 37.6

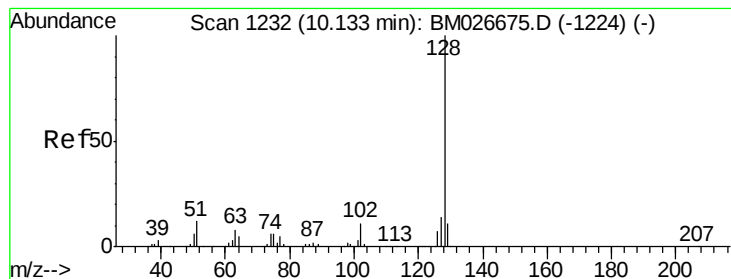


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

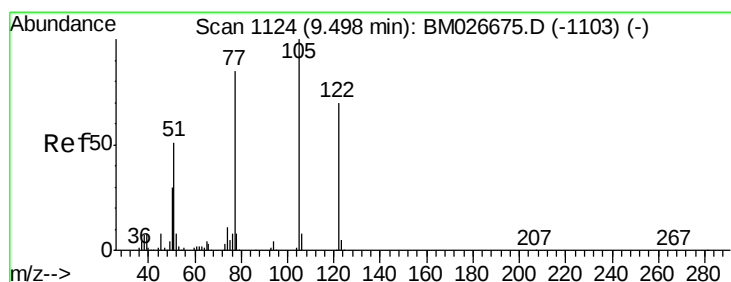
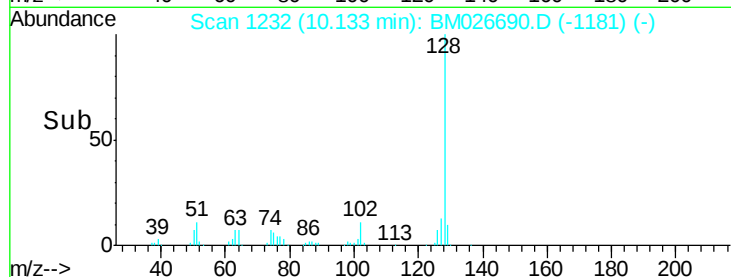
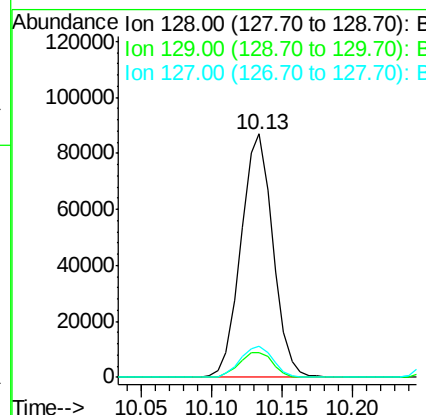
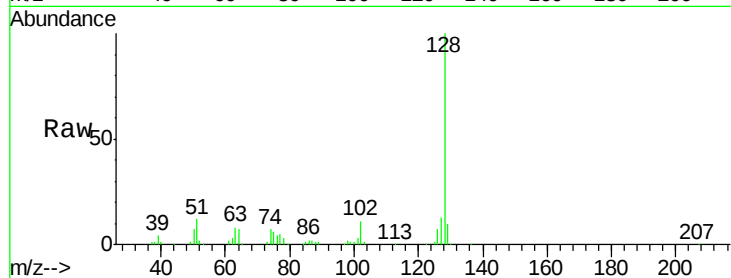




#31
Naphthalene
Concen: 9.247 ng
RT: 10.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

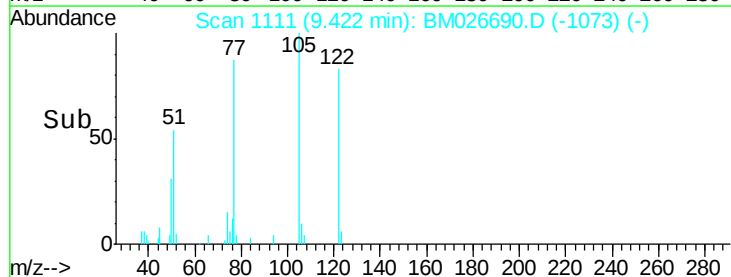
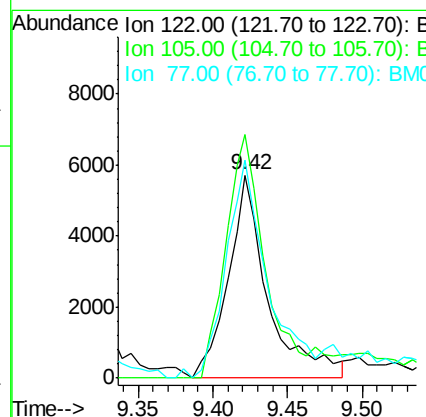
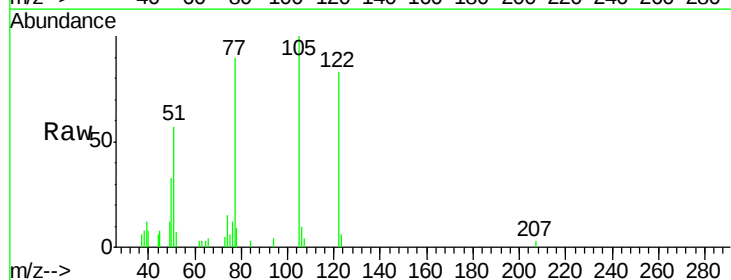
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

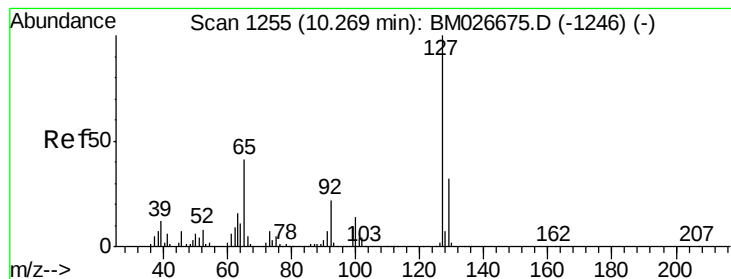
Tot Ion:128 Resp: 137502
Ion Ratio Lower Upper
128 100
129 10.4 8.8 13.2
127 13.0 10.8 16.2



#32
Benzoic acid
Concen: 3.549 ng
RT: 9.42 min Scan# 1111
Delta R.T. -0.08 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion:122 Resp: 10656
Ion Ratio Lower Upper
122 100
105 120.0 120.9 160.9#
77 107.4 100.0 140.0





#33

4-Chloroaniline

Concen: 8.698 ng

RT: 10.27 min Scan# 1255

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:127 Resp: 56574

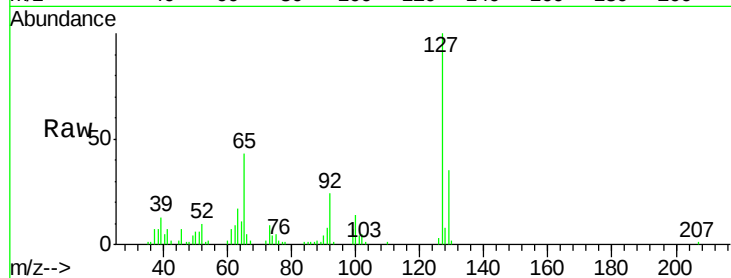
Ion Ratio Lower Upper

127 100

129 35.5 25.8 38.6

65 42.8 32.5 48.7

92 23.6 17.8 26.8

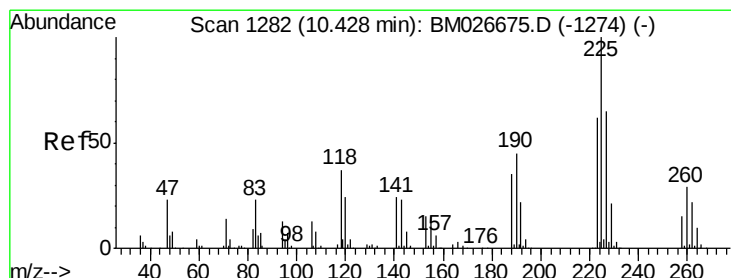
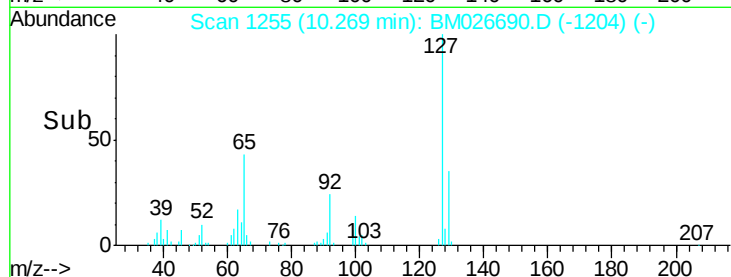
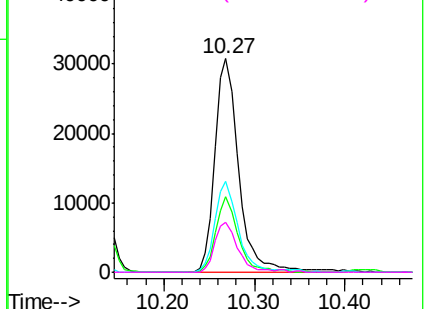


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BM

Ion 92.00 (91.70 to 92.70): BM



#34

Hexachlorobutadiene

Concen: 8.964 ng

RT: 10.42 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

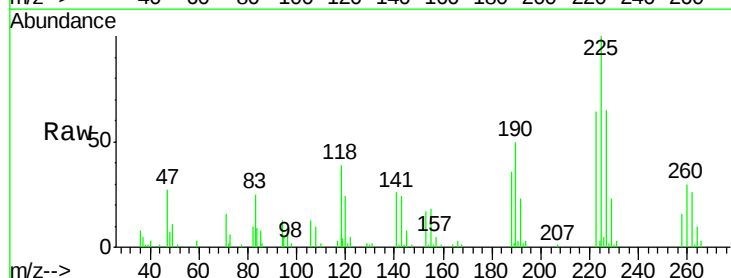
Tgt Ion:225 Resp: 28858

Ion Ratio Lower Upper

225 100

223 64.3 49.8 74.8

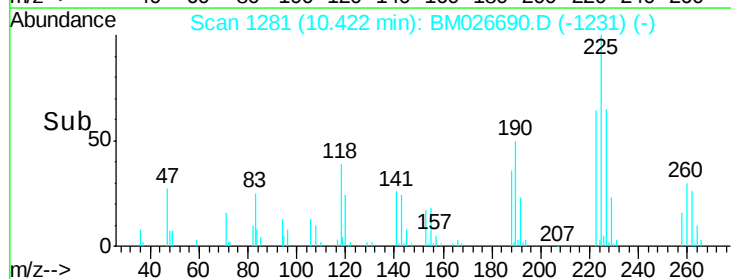
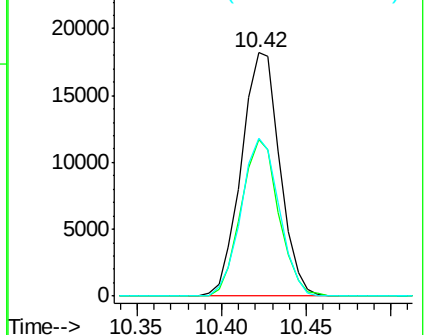
227 64.8 52.3 78.5

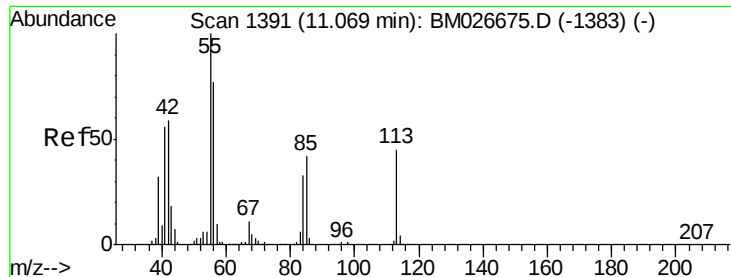


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 8.497 ng

RT: 11.05 min Scan# 1387

Delta R.T. -0.02 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

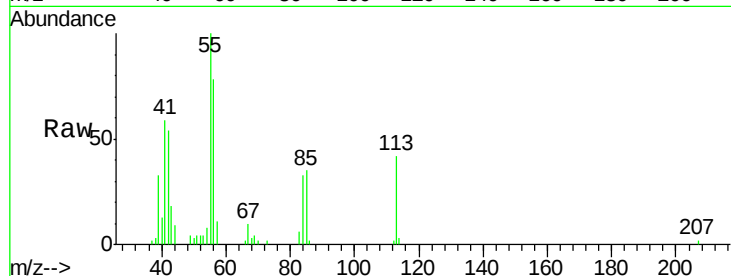
Tot Ion:113 Resp: 13114

Ion Ratio Lower Upper

113 100

55 238.7 203.5 243.5

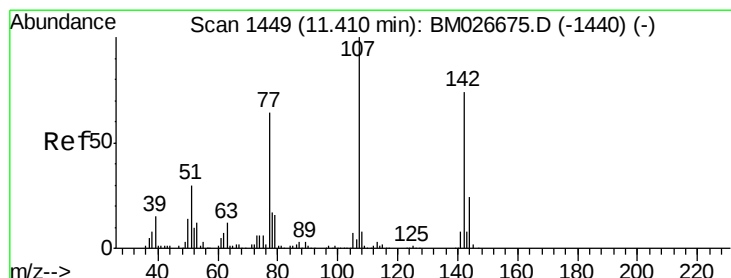
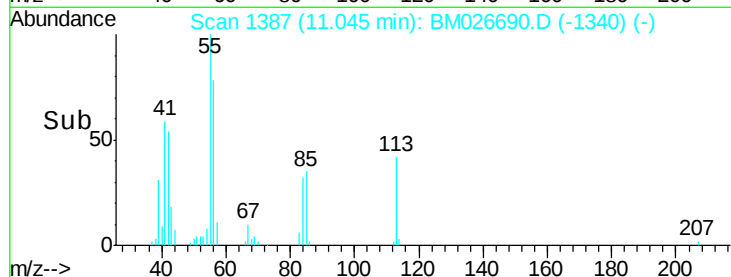
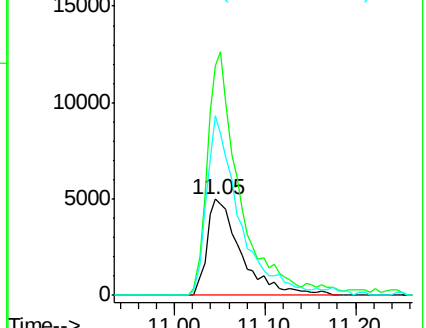
56 187.3 151.6 191.6



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 8.783 ng

RT: 11.41 min Scan# 1449

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

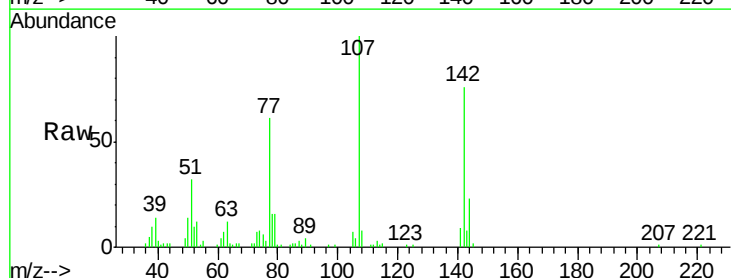
Tgt Ion:107 Resp: 48365

Ion Ratio Lower Upper

107 100

144 22.6 18.9 28.3

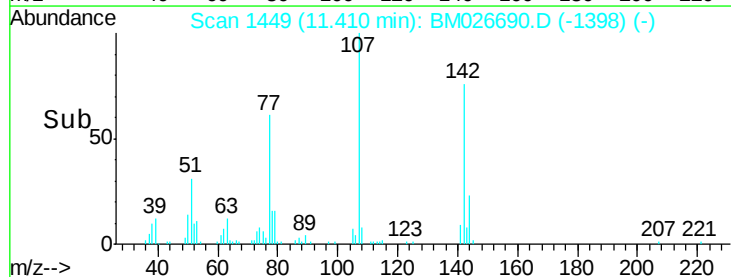
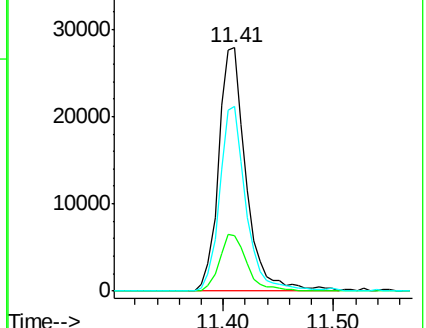
142 75.9 59.0 88.4

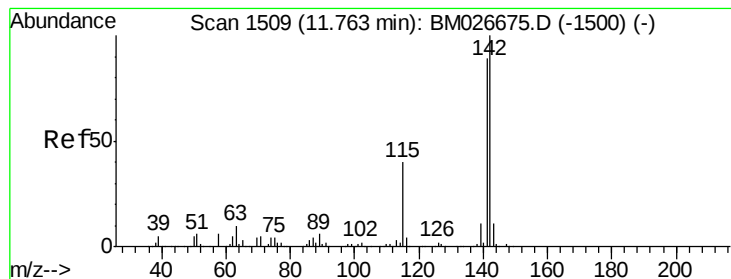


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 9.485 ng

RT: 11.76 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

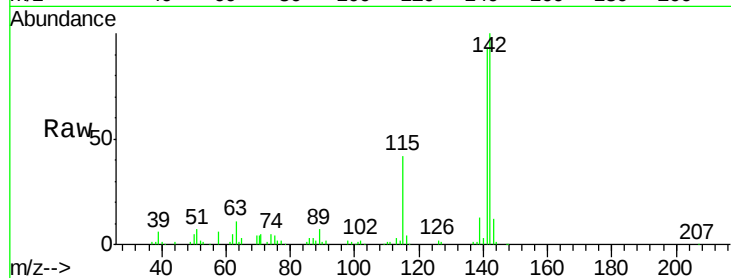
Tot Ion:142 Resp: 104472

Ion Ratio Lower Upper

142 100

141 92.5 71.4 107.0

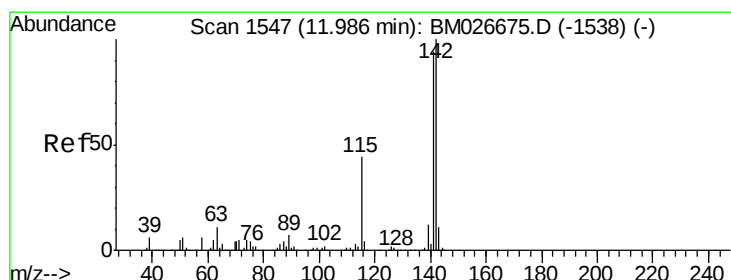
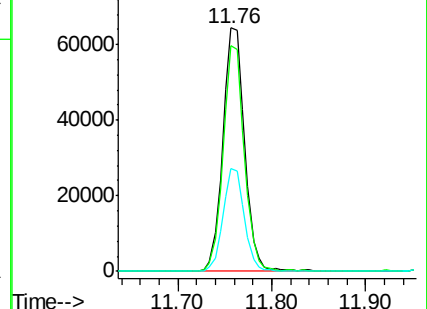
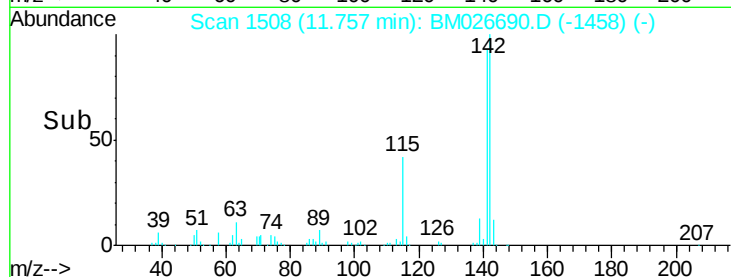
115 42.2 32.1 48.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 9.422 ng

RT: 11.99 min Scan# 1547

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

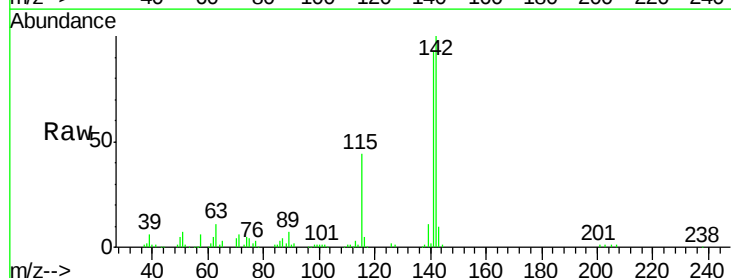
Tgt Ion:142 Resp: 99430

Ion Ratio Lower Upper

142 100

141 92.7 75.0 112.6

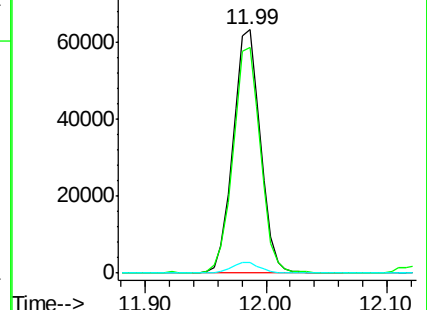
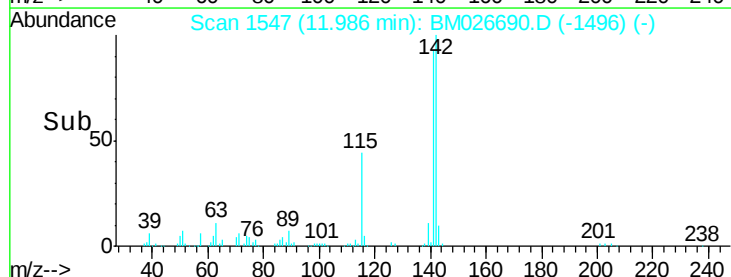
116 4.5 3.5 5.3

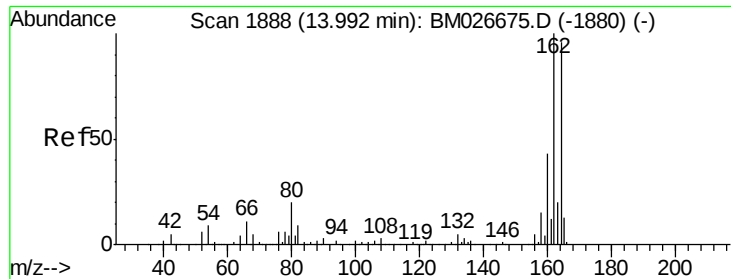


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.99 min Scan# 1887

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

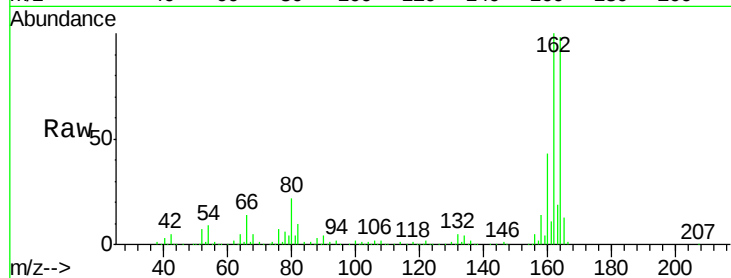
Tot Ion:164 Resp: 187508

Ion Ratio Lower Upper

164 100

162 102.1 83.7 125.5

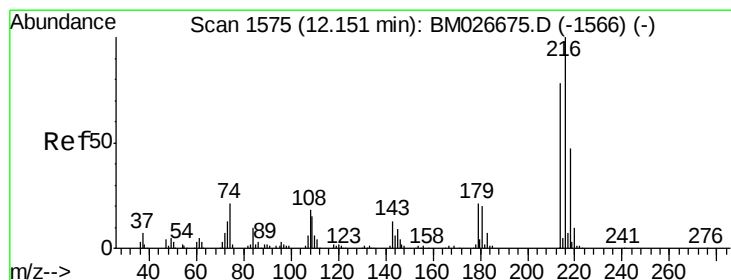
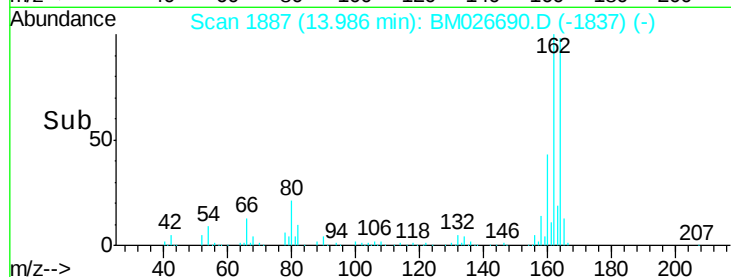
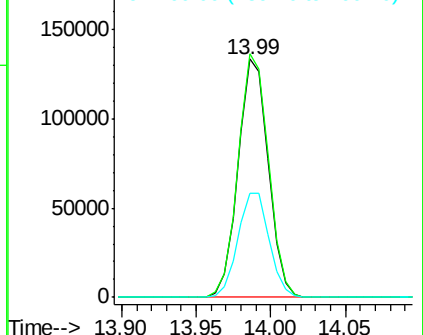
160 43.6 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.579 ng

RT: 12.15 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Tgt Ion:216 Resp: 58062

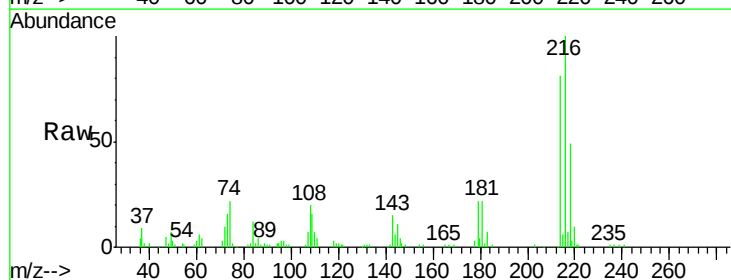
Ion Ratio Lower Upper

216 100

214 77.6 62.6 93.8

179 21.9 17.5 26.3

108 19.8 16.7 25.1

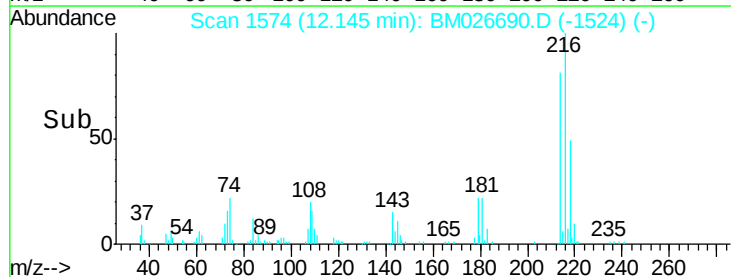
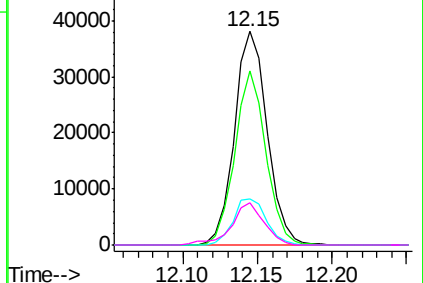


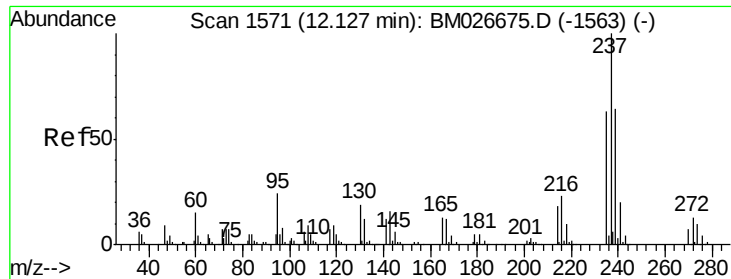
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 6.906 ng

RT: 12.12 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

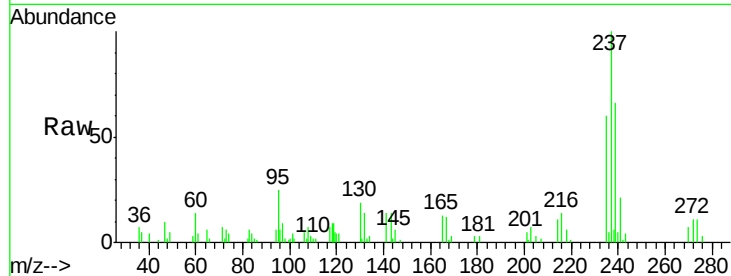
Tot Ion:237 Resp: 19974

Ion Ratio Lower Upper

237 100

235 60.5 42.8 82.8

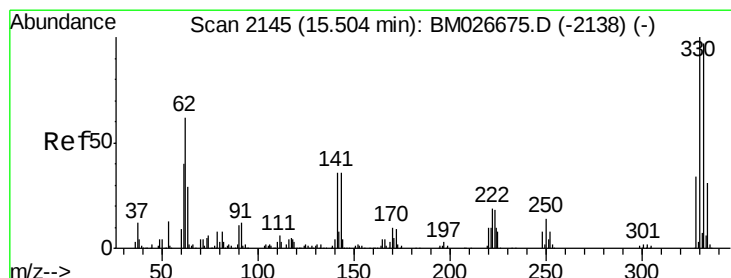
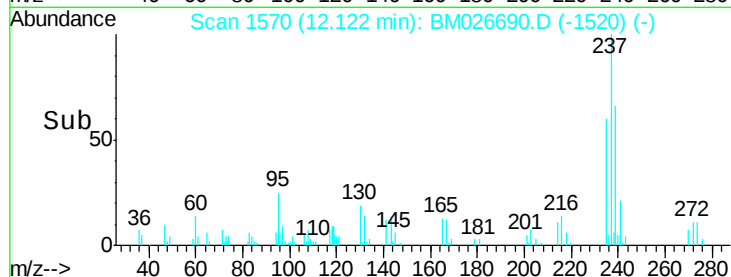
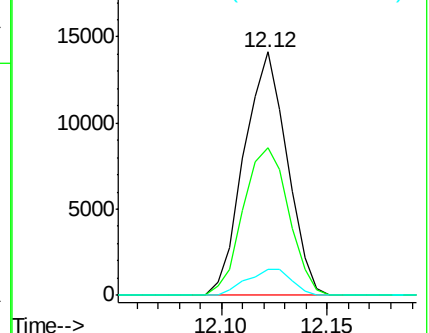
272 10.9 0.0 32.8



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 195.736 ng

RT: 15.50 min Scan# 2144

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

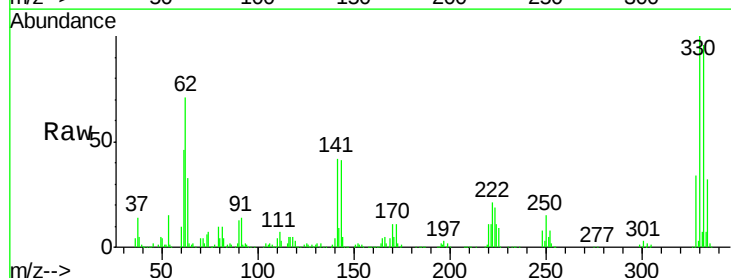
Tgt Ion:330 Resp: 534638

Ion Ratio Lower Upper

330 100

332 96.6 77.5 116.3

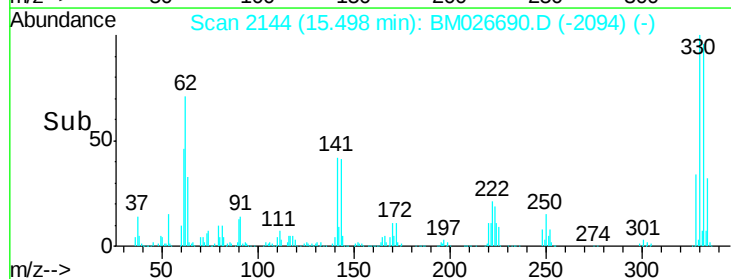
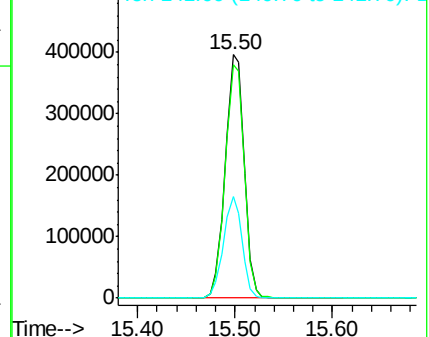
141 41.2 32.4 48.6

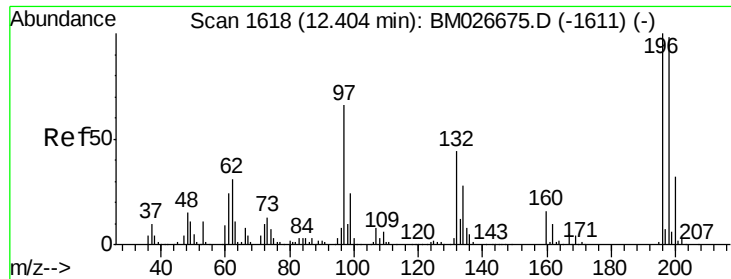


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

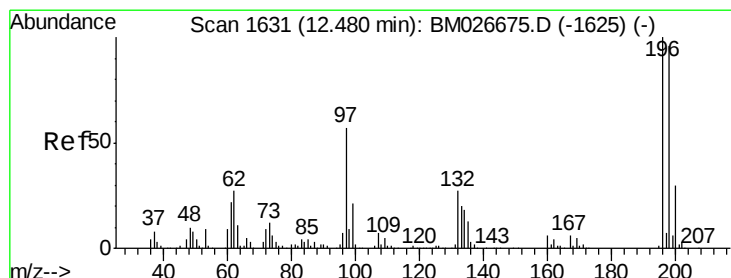
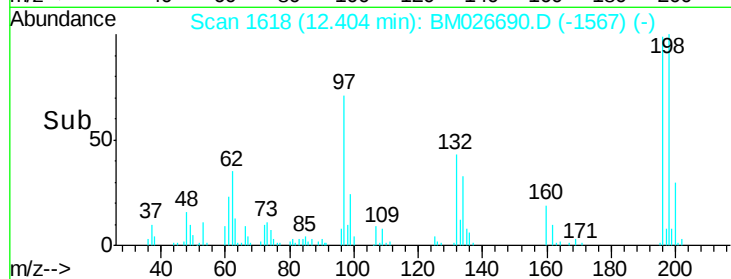
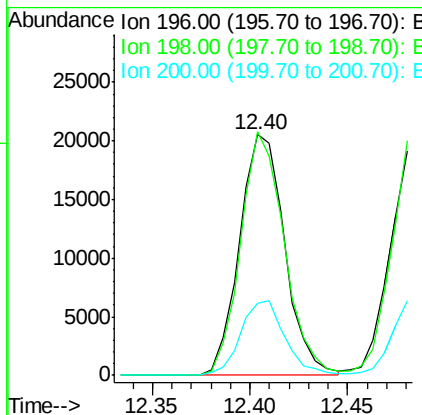
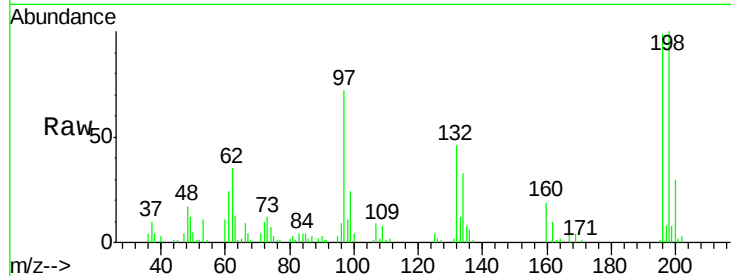




#43
 2,4,6-Trichlorophenol
 Concen: 8.320 ng
 RT: 12.40 min Scan# 1618
 Delta R.T. 0.00 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

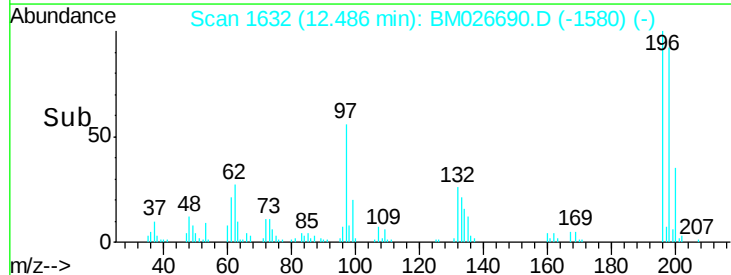
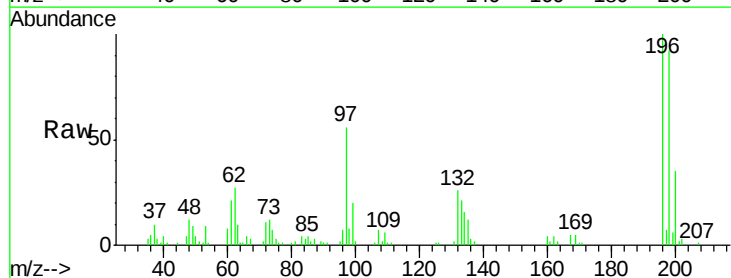
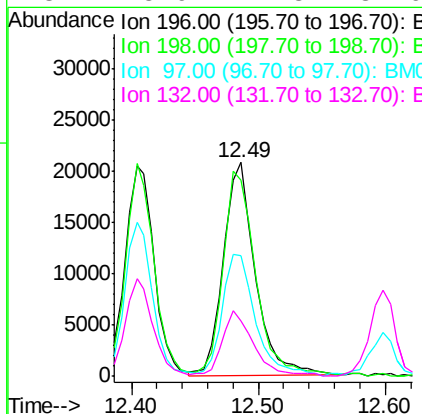
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

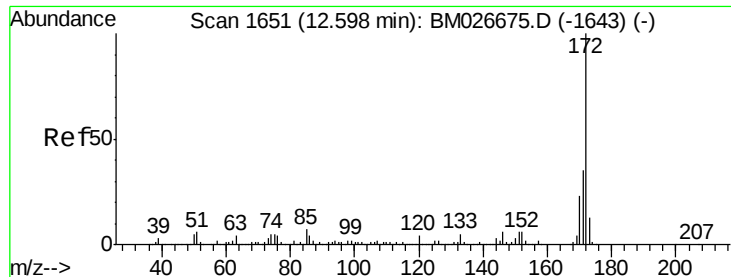
Tot Ion:196 Resp: 33037
 Ion Ratio Lower Upper
 196 100
 198 101.2 78.6 118.0
 200 29.9 25.3 37.9



#44
 2,4,5-Trichlorophenol
 Concen: 7.710 ng
 RT: 12.49 min Scan# 1632
 Delta R.T. 0.01 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

Tgt Ion:196 Resp: 35976
 Ion Ratio Lower Upper
 196 100
 198 91.9 77.0 115.6
 97 56.2 45.7 68.5
 132 25.9 21.8 32.6

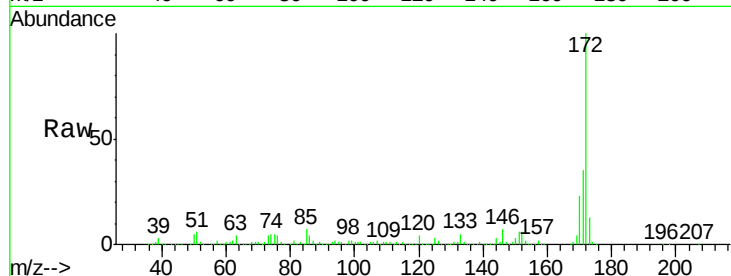




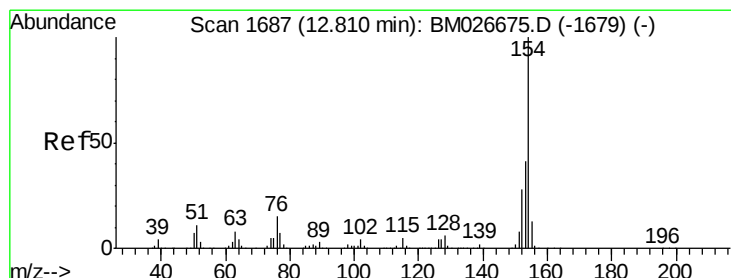
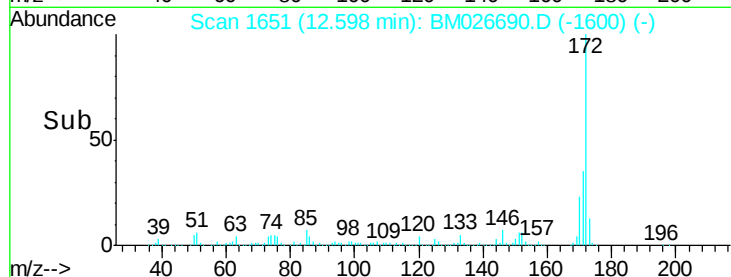
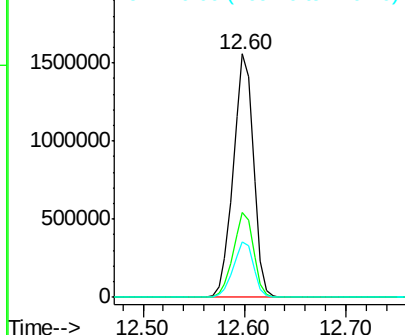
#45
2-Fluorobiphenyl
Concen: 152.735 ng
RT: 12.60 min Scan# 1651
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:172 Resp: 2153909
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.6
170 23.0 18.5 27.7

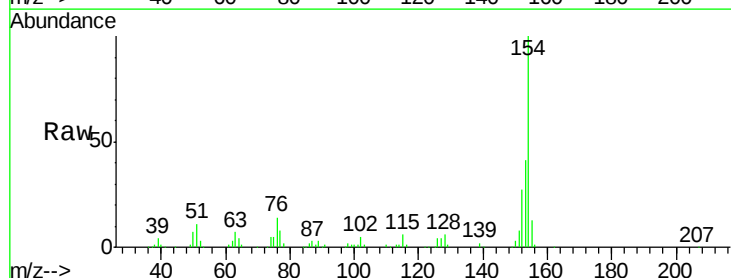


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

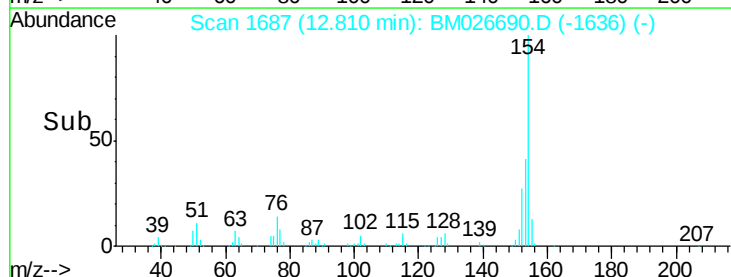
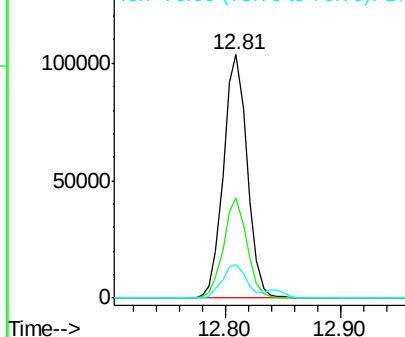


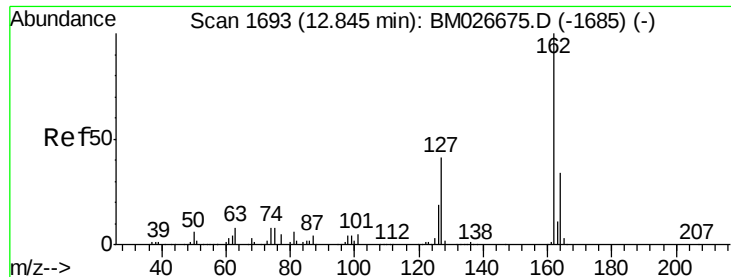
#46
1,1'-Biphenyl
Concen: 9.984 ng
RT: 12.81 min Scan# 1687
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion:154 Resp: 147878
Ion Ratio Lower Upper
154 100
153 41.2 20.9 60.9
76 14.1 0.0 35.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BM

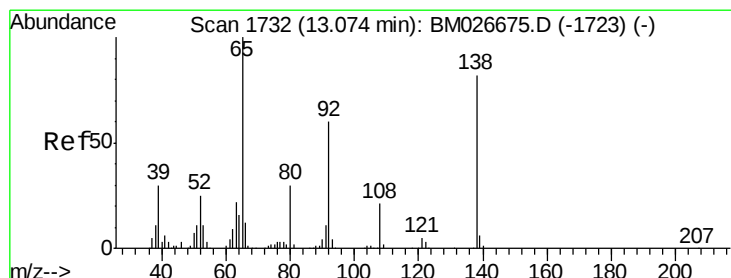
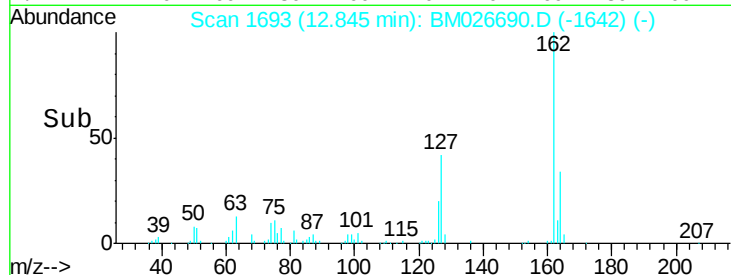
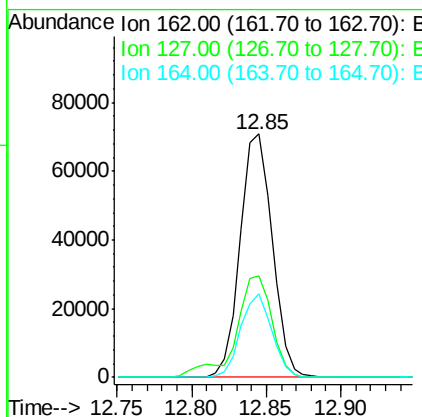
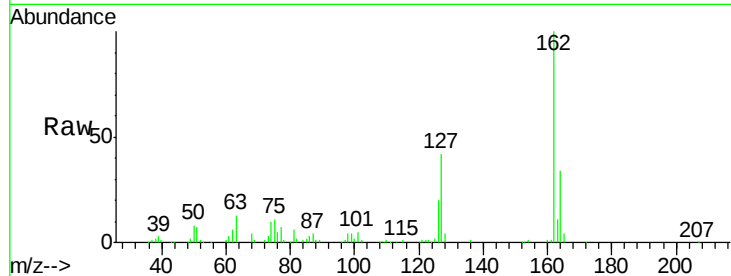




#47
 2-Chloronaphthalene
 Concen: 8.857 ng
 RT: 12.85 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

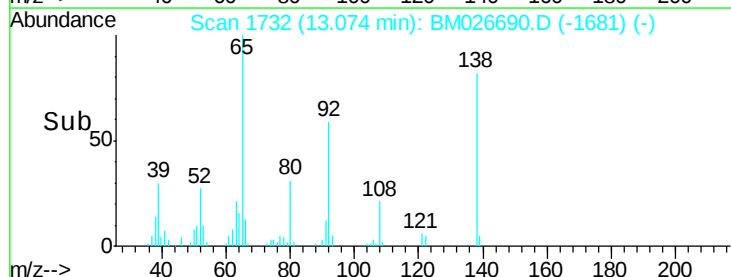
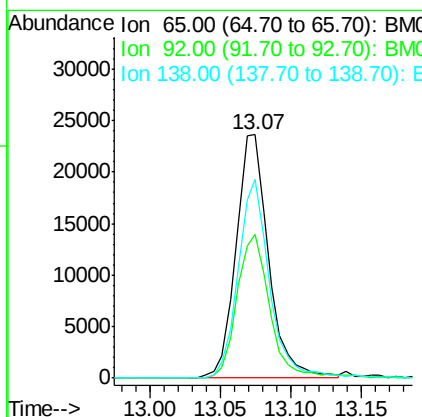
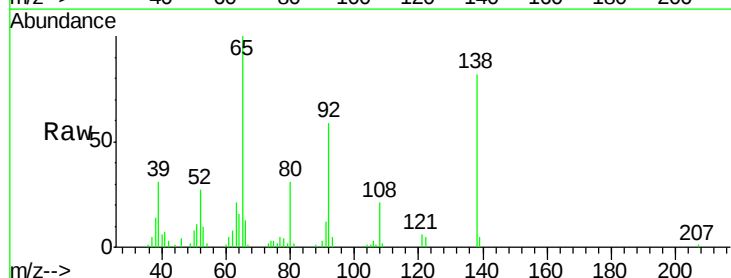
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

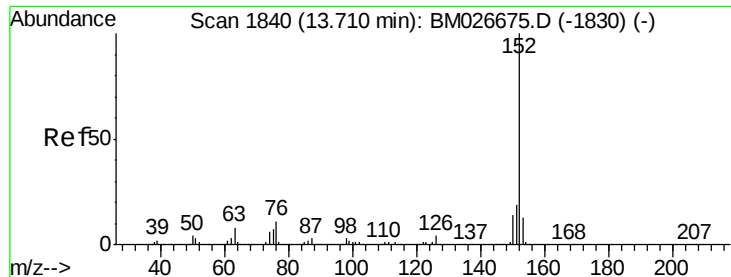
Tot Ion	Ratio	Lower	Upper
162	100		
127	41.8	34.0	51.0
164	34.5	26.9	40.3



#48
 2-Nitroaniline
 Concen: 7.755 ng
 RT: 13.07 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
65	100		
92	59.2	47.8	71.8
138	81.7	65.6	98.4





#49

Acenaphthylene

Concen: 9.058 ng

RT: 13.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

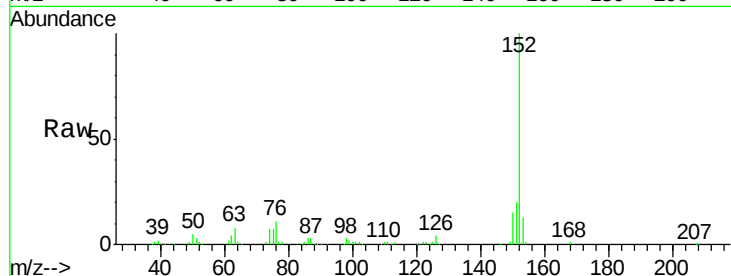
Tot Ion:152 Resp: 173263

Ion Ratio Lower Upper

152 100

151 20.4 15.6 23.4

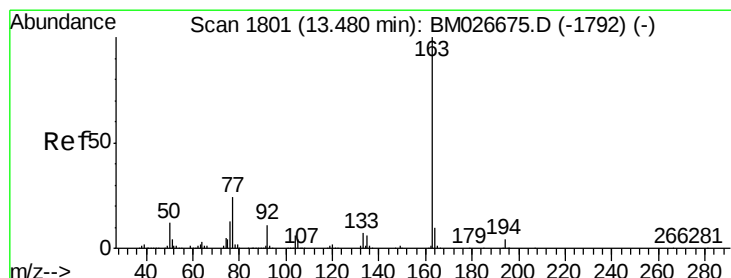
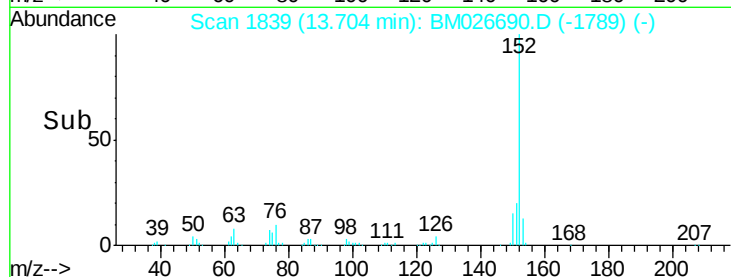
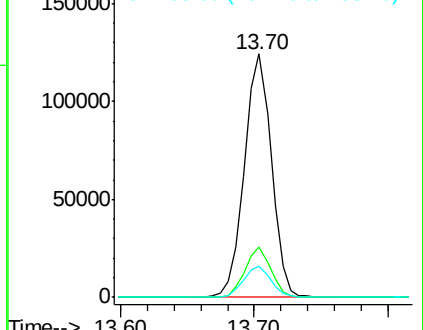
153 12.5 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 9.118 ng

RT: 13.47 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

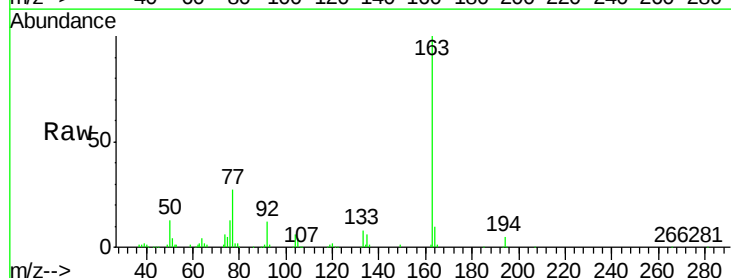
Tgt Ion:163 Resp: 146235

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

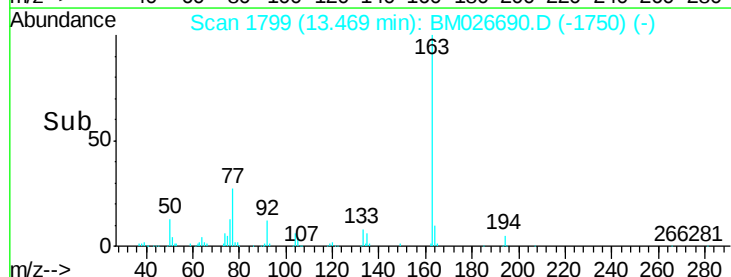
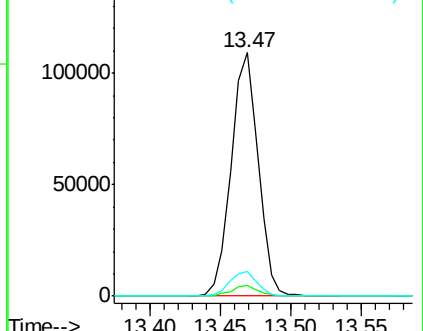
164 10.0 7.8 11.6

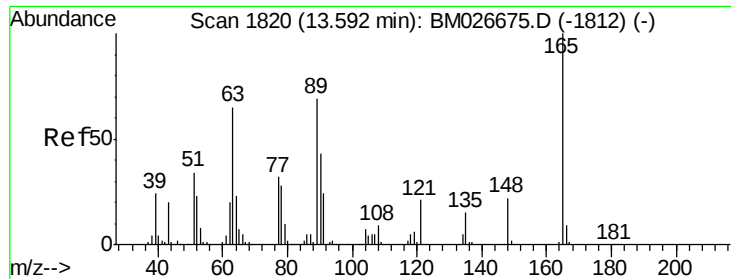


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

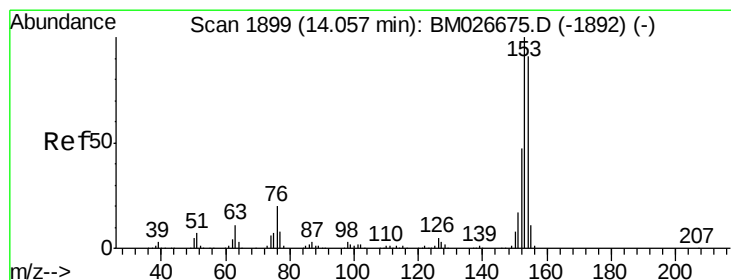
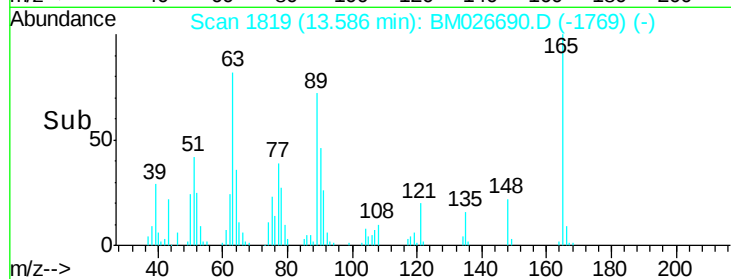
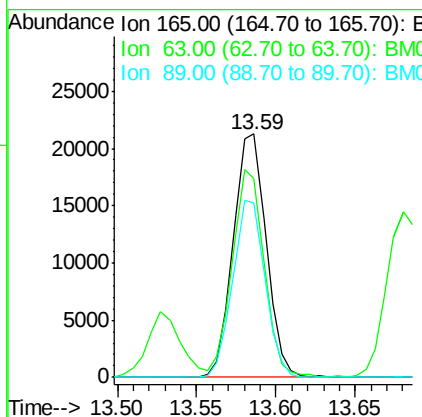
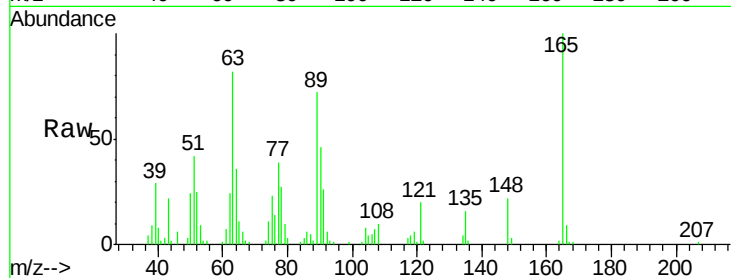




#51
2,6-Dinitrotoluene
Concen: 8.937 ng
RT: 13.59 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

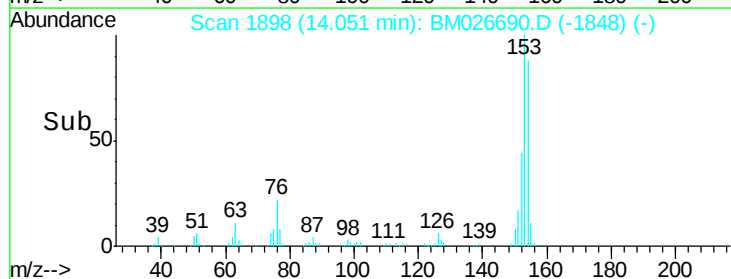
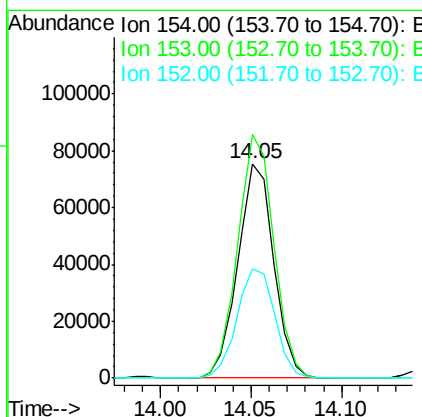
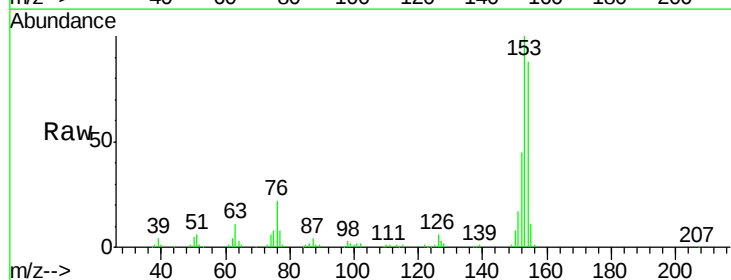
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

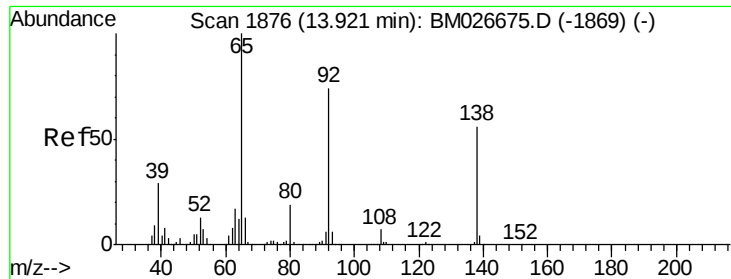
Tot Ion:165 Resp: 30693
Ion Ratio Lower Upper
165 100
63 81.8 61.1 91.7
89 71.9 54.9 82.3



#52
Acenaphthene
Concen: 8.946 ng
RT: 14.05 min Scan# 1898
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion:154 Resp: 103994
Ion Ratio Lower Upper
154 100
153 113.4 88.3 132.5
152 50.6 41.1 61.7

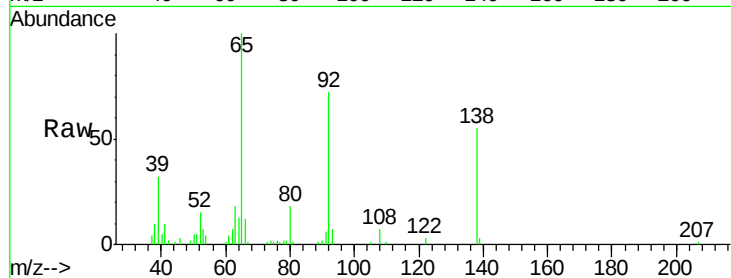




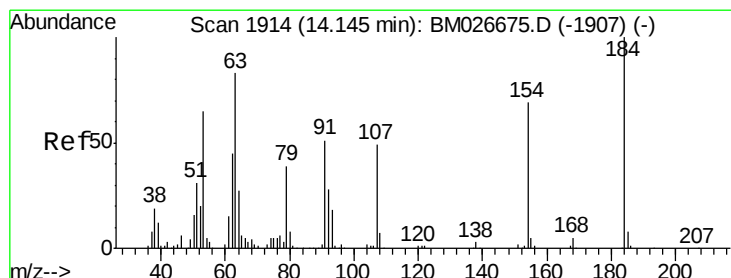
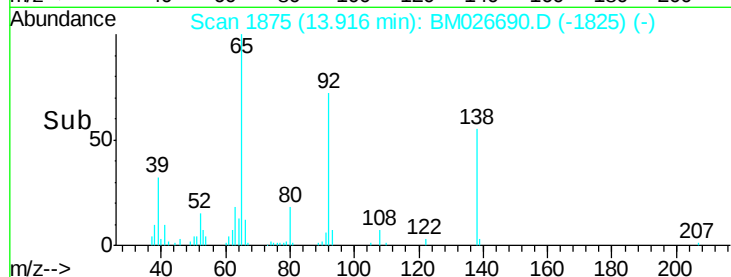
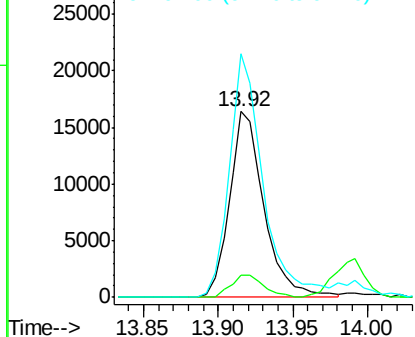
#53
3-Nitroaniline
Concen: 7.405 ng
RT: 13.92 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:138 Resp: 26457
Ion Ratio Lower Upper
138 100
108 11.9 9.7 14.5
92 131.2 105.6 158.4

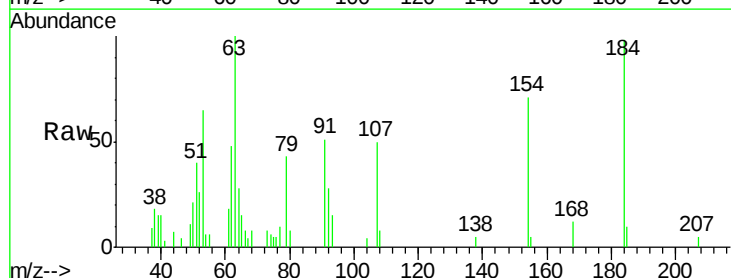


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BM

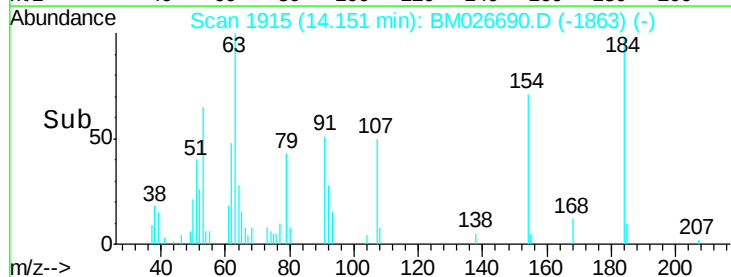
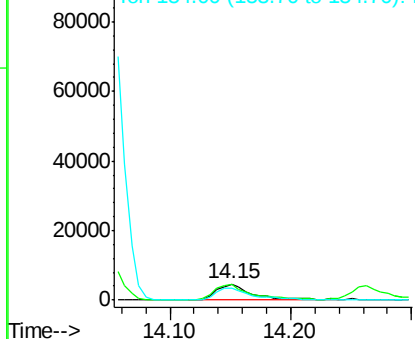


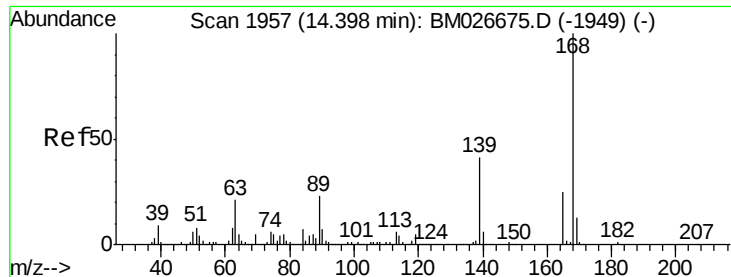
#54
2,4-Dinitrophenol
Concen: 4.812 ng
RT: 14.15 min Scan# 1915
Delta R.T. 0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion:184 Resp: 9672
Ion Ratio Lower Upper
184 100
63 101.5 66.2 99.4#
154 72.2 55.2 82.8



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BM
Ion 154.00 (153.70 to 154.70): E





#55

Dibenzenofuran

Concen: 9.128 ng

RT: 14.39 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

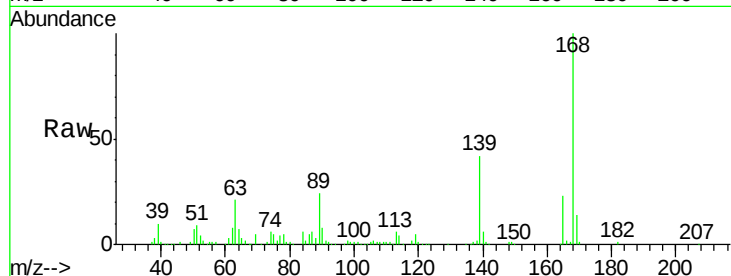
Tot Ion:168 Resp: 173984

Ion Ratio Lower Upper

168 100

139 42.2 32.6 48.8

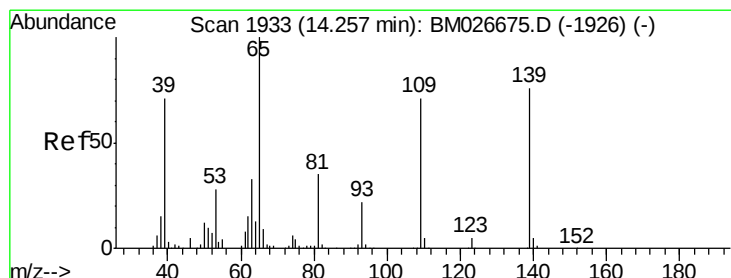
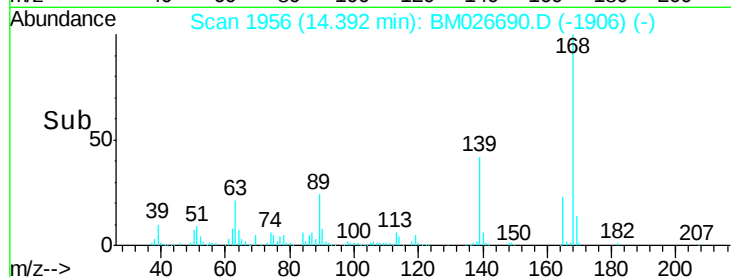
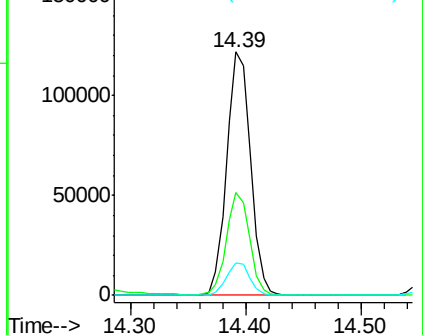
169 13.5 10.5 15.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 6.603 ng

RT: 14.26 min Scan# 1934

Delta R.T. 0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

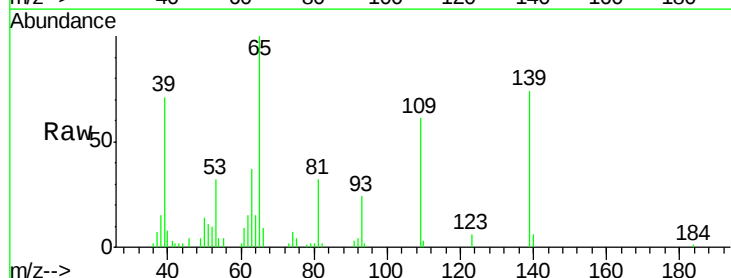
Tgt Ion:139 Resp: 18514

Ion Ratio Lower Upper

139 100

109 83.2 73.7 113.7

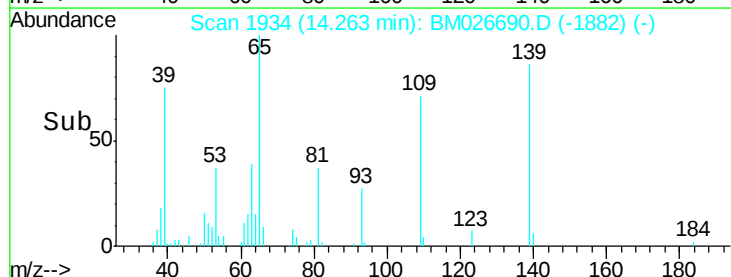
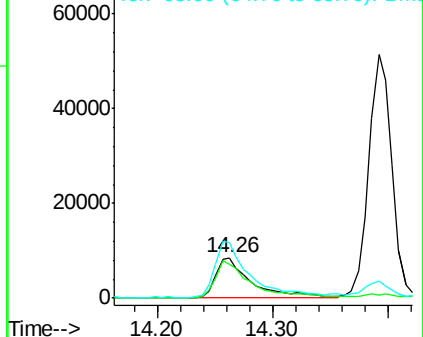
65 135.9 111.5 151.5

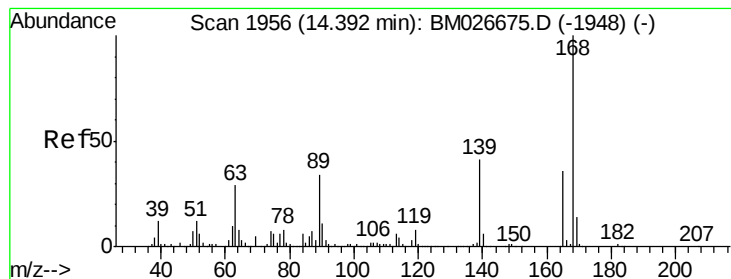


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM





#57

2,4-Dinitrotoluene

Concen: 7.920 ng

RT: 14.39 min Scan# 1956

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:165 Resp: 39260

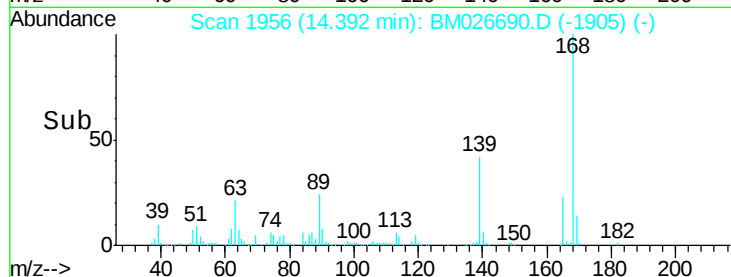
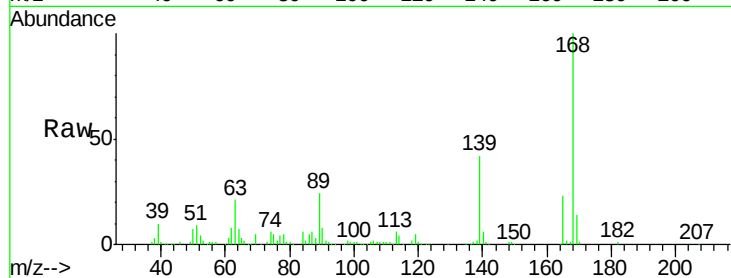
Ion Ratio Lower Upper

165 100

63 90.4 64.6 97.0

89 101.2 75.4 113.2

182 3.4 2.2 3.4#

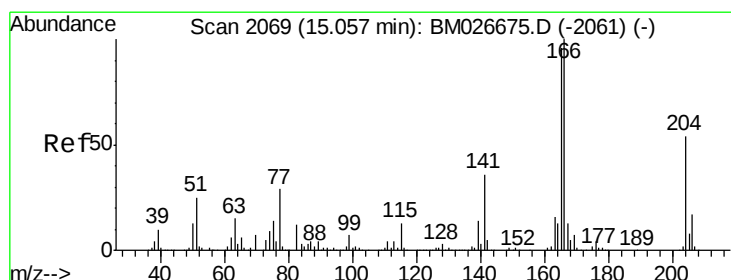
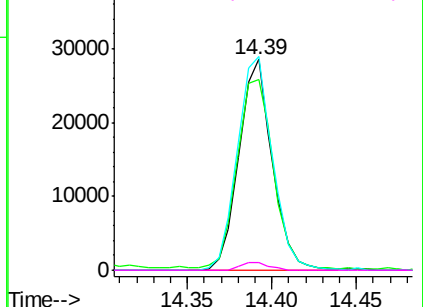


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 8.845 ng

RT: 15.05 min Scan# 2068

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

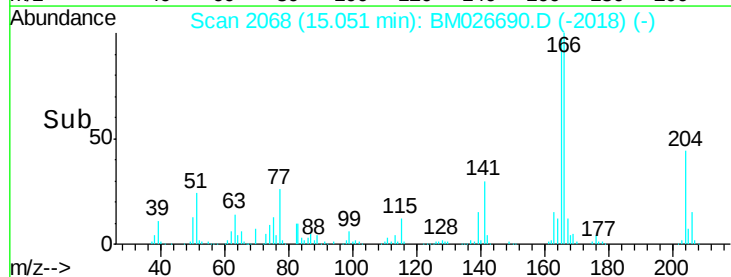
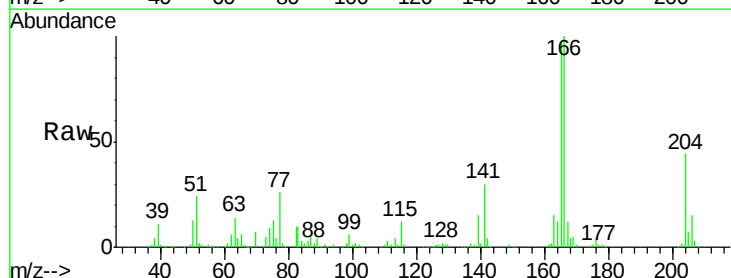
Tgt Ion:166 Resp: 139588

Ion Ratio Lower Upper

166 100

165 96.6 77.1 115.7

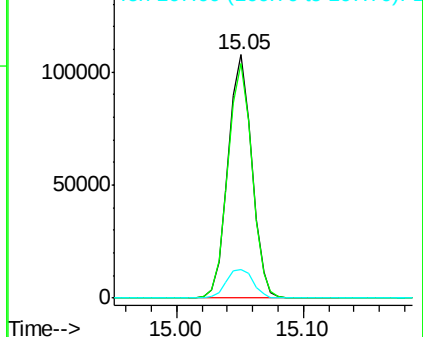
167 12.0 10.8 16.2

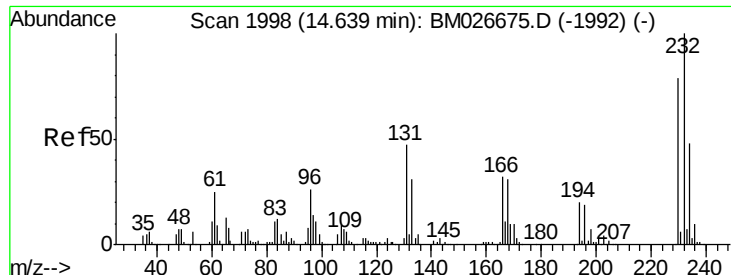


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

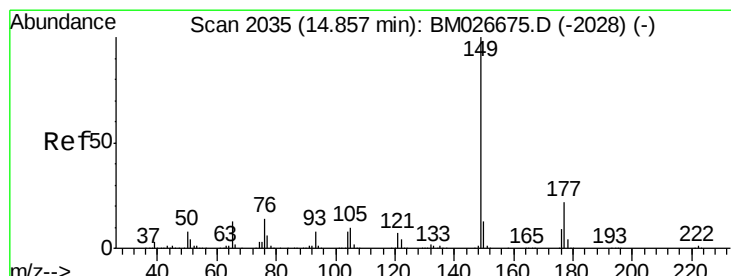
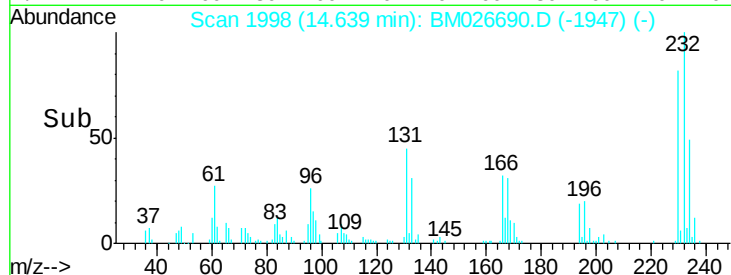
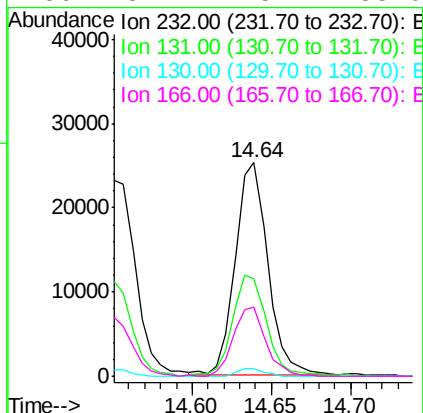
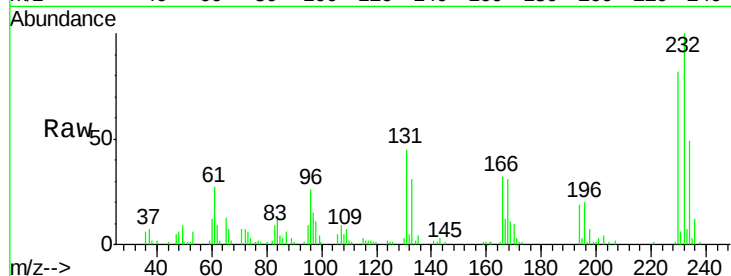




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 8.839 ng
 RT: 14.64 min Scan# 1998
 Delta R.T. 0.00 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

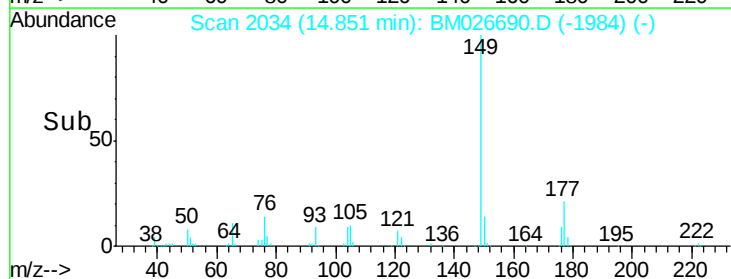
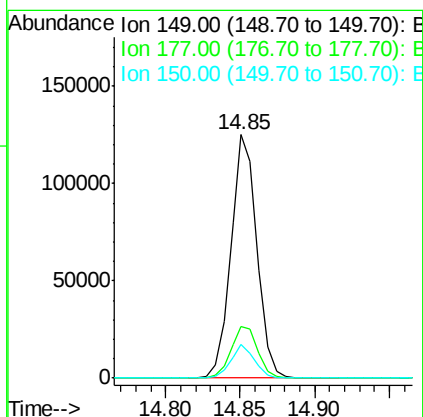
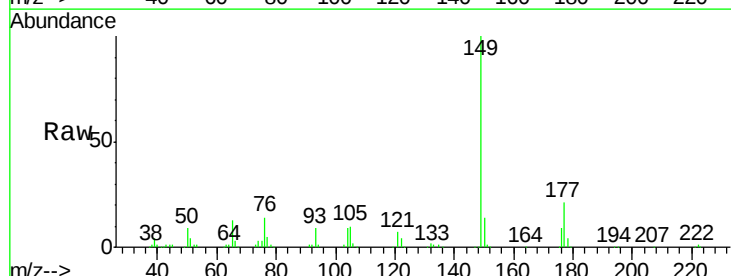
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

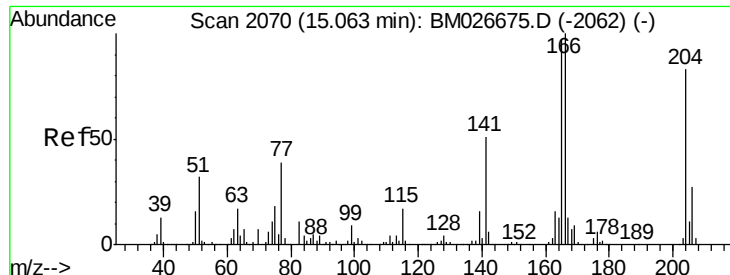
Tot Ion:232 Resp: 36018
 Ion Ratio Lower Upper
 232 100
 131 50.4 38.4 57.6
 130 2.8 2.2 3.2
 166 32.4 25.4 38.0



#60
 Diethylphthalate
 Concen: 8.966 ng
 RT: 14.85 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

Tgt Ion:149 Resp: 152049
 Ion Ratio Lower Upper
 149 100
 177 21.0 17.8 26.6
 150 13.6 10.2 15.4

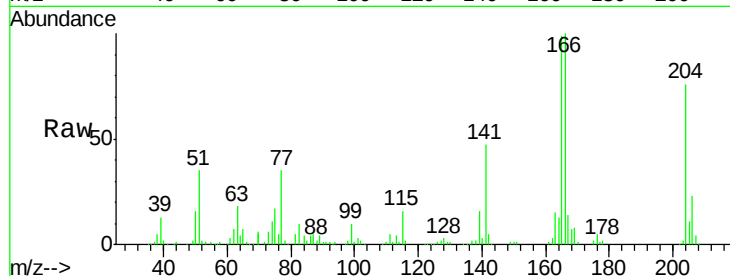




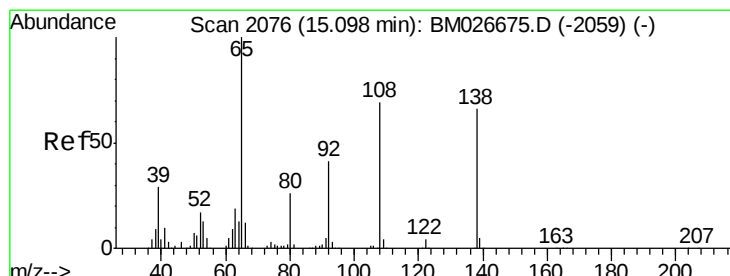
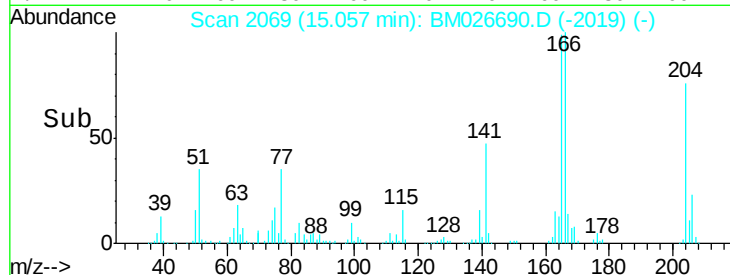
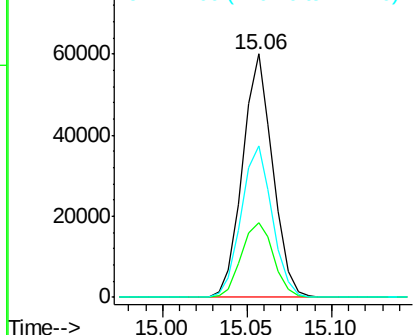
#61
4-Chlorophenyl-phenylether
Concen: 8.725 ng
RT: 15.06 min Scan# 2069
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:204 Resp: 74599
Ion Ratio Lower Upper
204 100
206 30.7 25.9 38.9
141 62.4 49.5 74.3

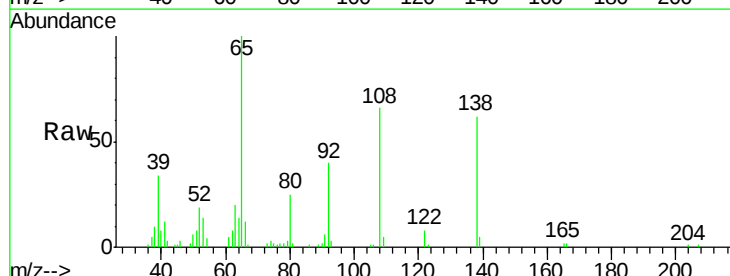


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

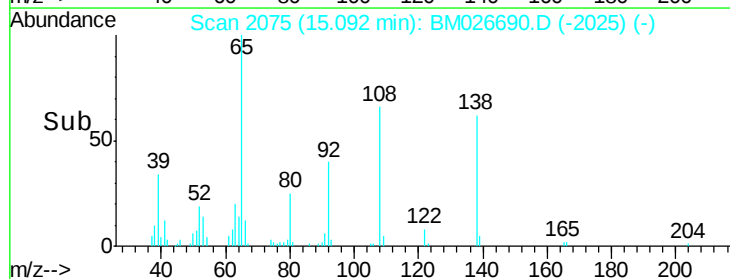
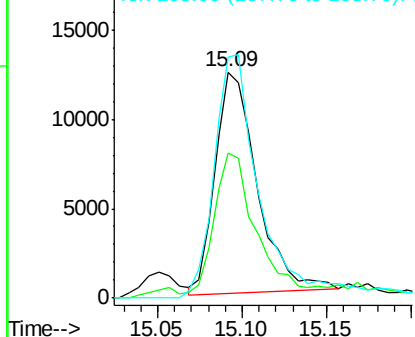


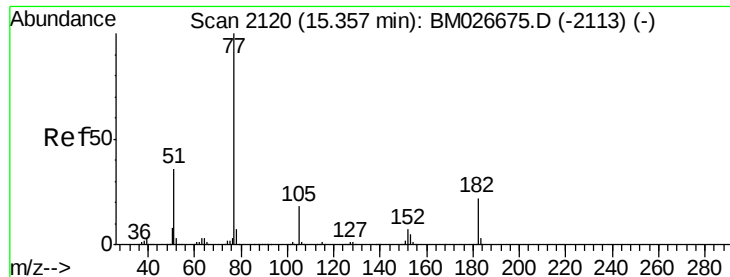
#62
4-Nitroaniline
Concen: 5.741 ng
RT: 15.09 min Scan# 2075
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion:138 Resp: 21409
Ion Ratio Lower Upper
138 100
92 64.3 41.5 81.5
108 106.8 84.8 124.8



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM0
Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 9.131 ng

RT: 15.35 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 77 Resp: 170087

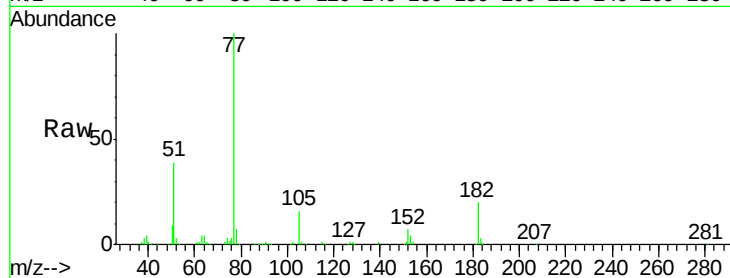
Ion Ratio Lower Upper

77 100

182 19.8 1.6 41.6

105 16.4 0.0 37.8

51 39.2 16.5 56.5

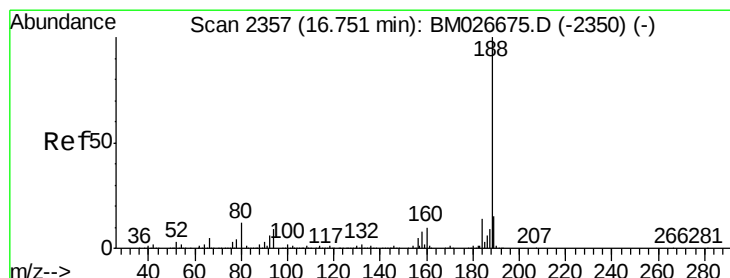
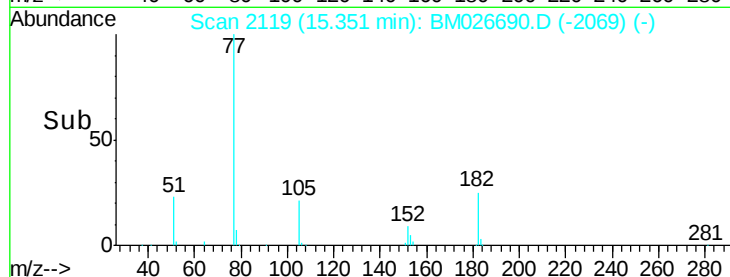
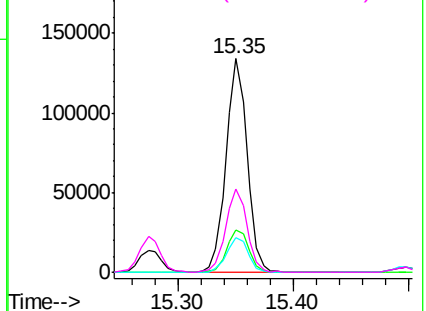


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.74 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

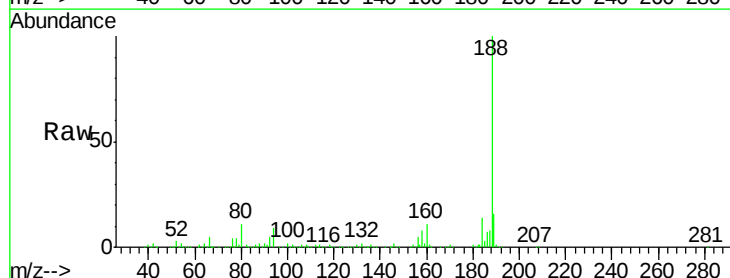
Tgt Ion: 188 Resp: 434913

Ion Ratio Lower Upper

188 100

94 9.5 7.4 11.0

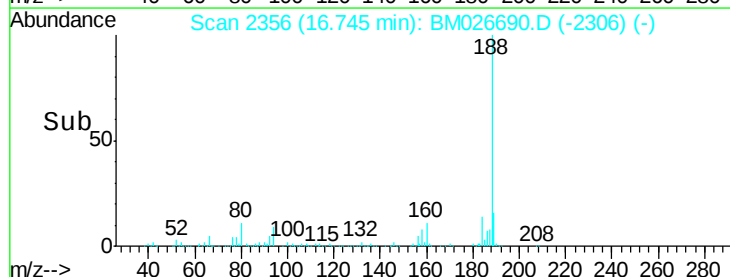
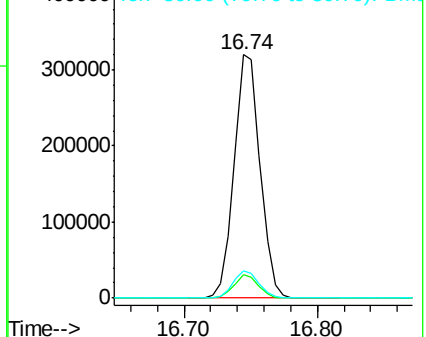
80 11.0 9.3 13.9

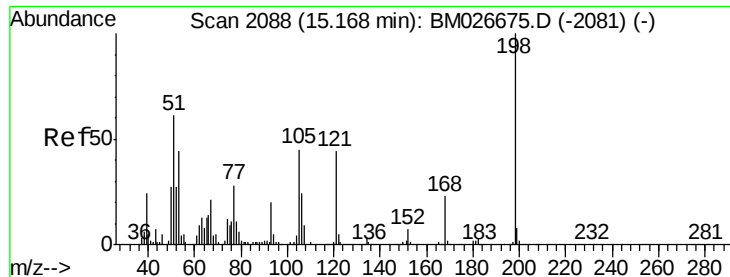


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

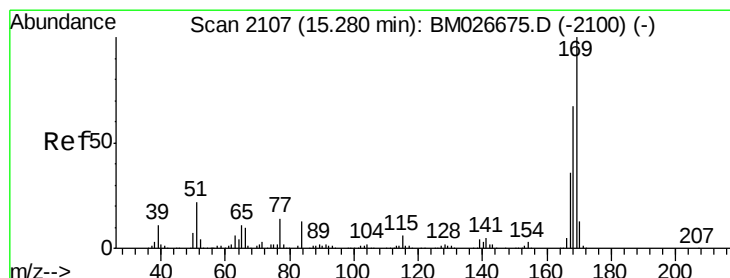
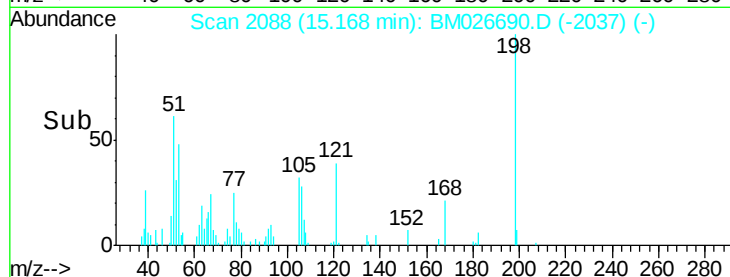
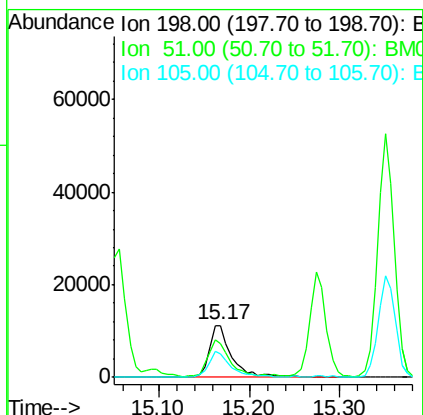
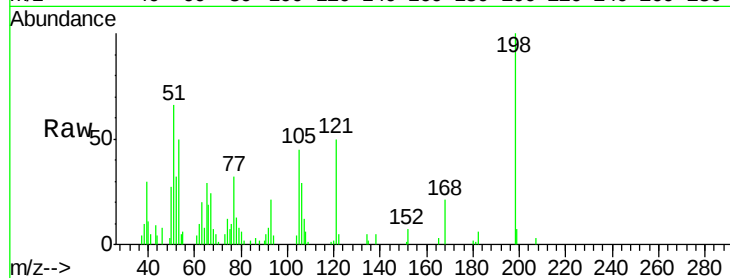




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.497 ng
 RT: 15.17 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

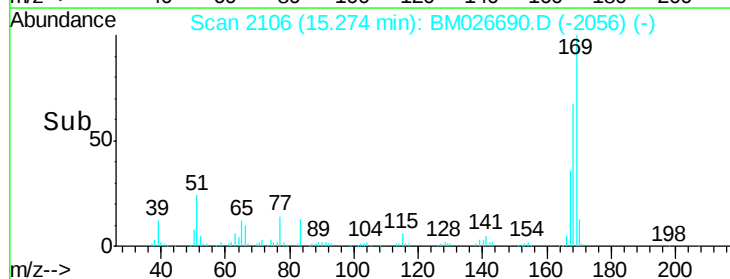
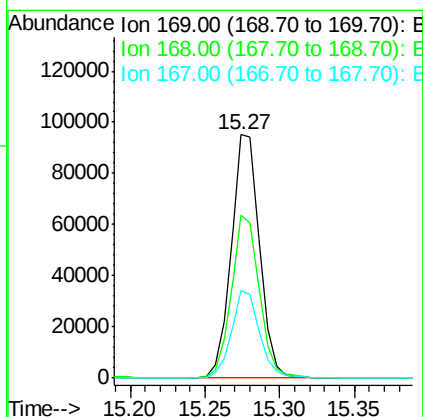
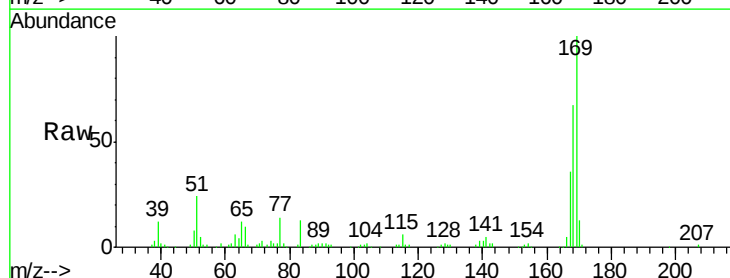
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

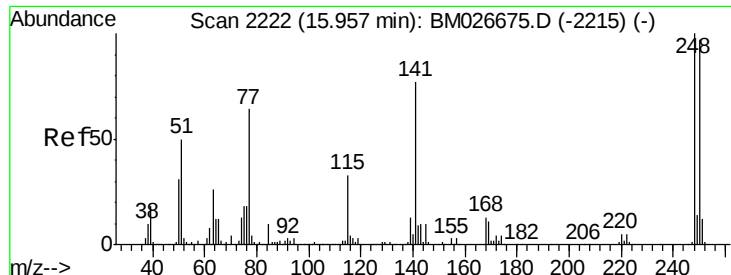
Tot Ion:198 Resp: 19210
 Ion Ratio Lower Upper
 198 100
 51 65.9 42.0 82.0
 105 45.4 24.9 64.9



#66
 n-Nitrosodiphenylamine
 Concen: 9.137 ng
 RT: 15.27 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

Tgt Ion:169 Resp: 126283
 Ion Ratio Lower Upper
 169 100
 168 66.8 53.8 80.8
 167 35.9 28.6 43.0

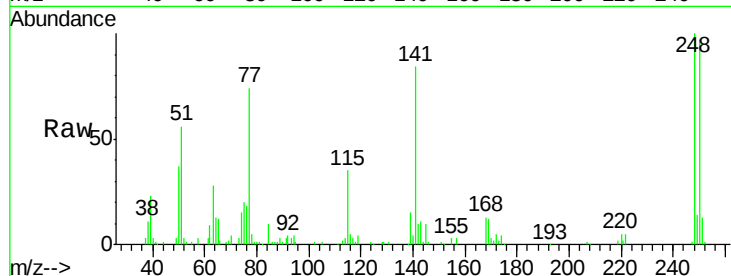




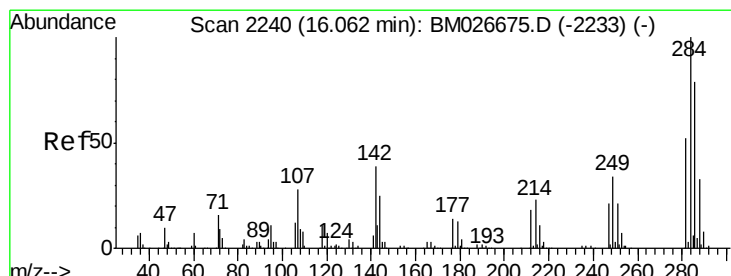
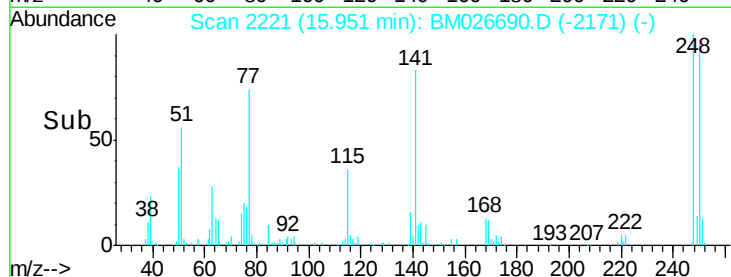
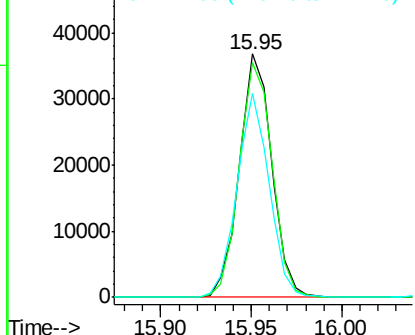
#67
 4-Bromophenyl-phenylether
 Concen: 8.465 ng
 RT: 15.95 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion:248 Resp: 45826
 Ion Ratio Lower Upper
 248 100
 250 96.5 77.4 116.2
 141 83.6 61.9 92.9

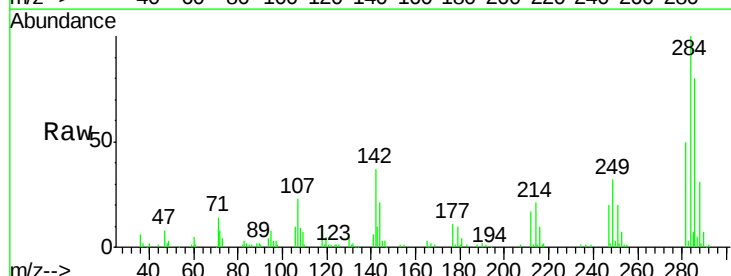


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

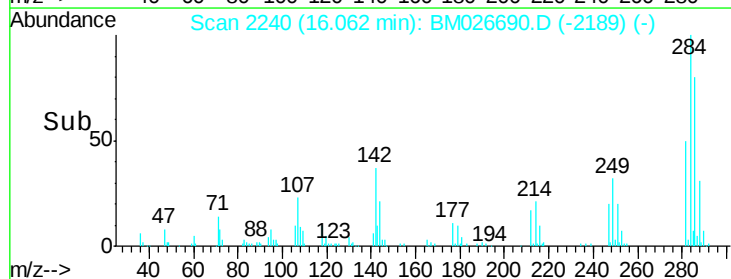
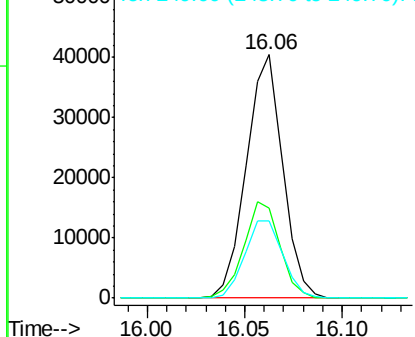


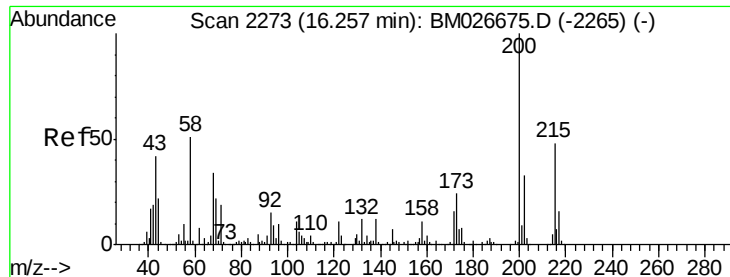
#68
 Hexachlorobenzene
 Concen: 9.171 ng
 RT: 16.06 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

Tgt Ion:284 Resp: 52249
 Ion Ratio Lower Upper
 284 100
 142 36.8 31.1 46.7
 249 31.8 27.4 41.0



Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 10.900 ng

RT: 16.24 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

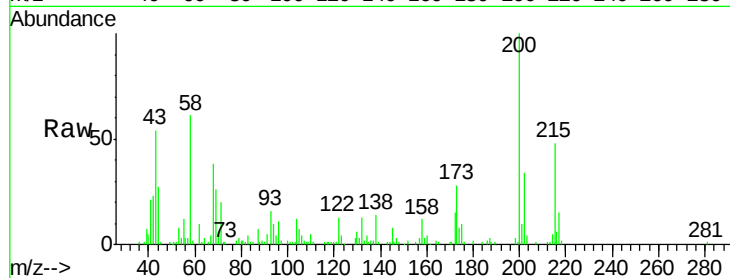
Tot Ion:200 Resp: 45300

Ion Ratio Lower Upper

200 100

173 28.2 4.5 44.5

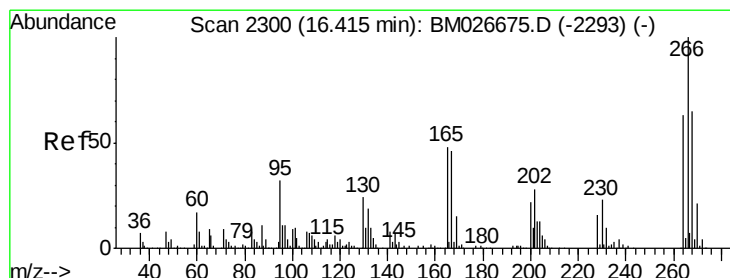
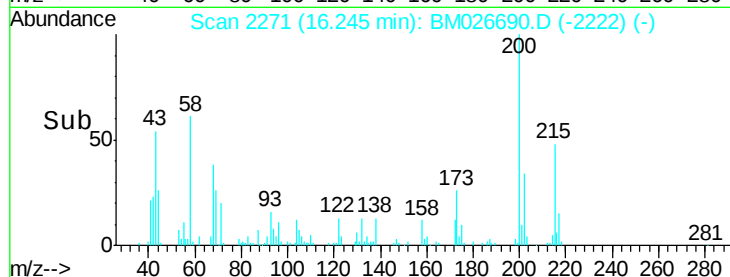
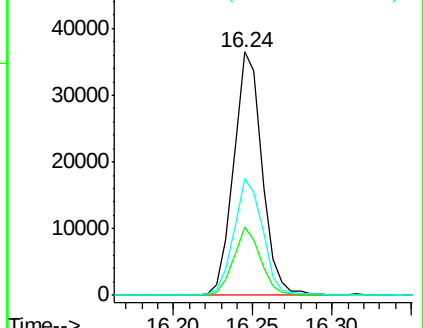
215 47.9 28.4 68.4



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 7.333 ng

RT: 16.42 min Scan# 2300

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

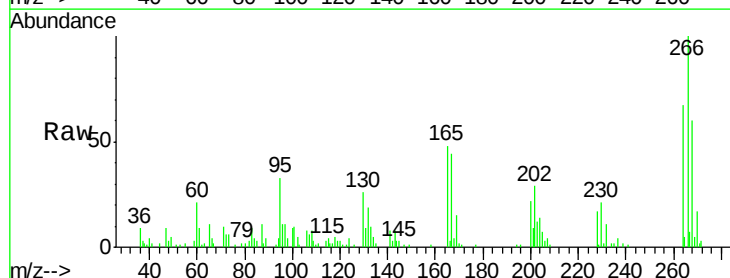
Tgt Ion:266 Resp: 23636

Ion Ratio Lower Upper

266 100

268 59.7 51.8 77.6

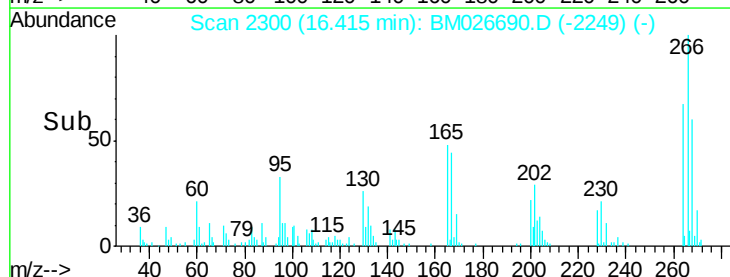
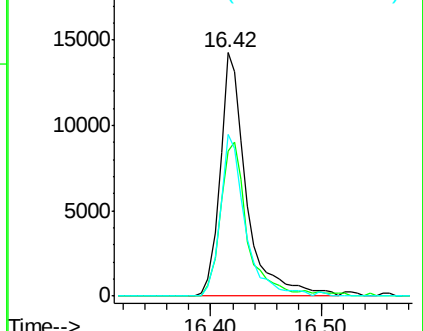
264 66.6 50.1 75.1

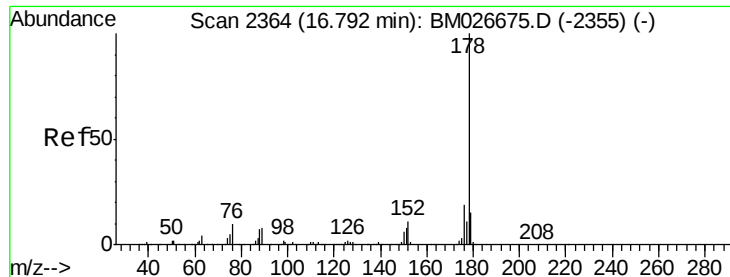


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

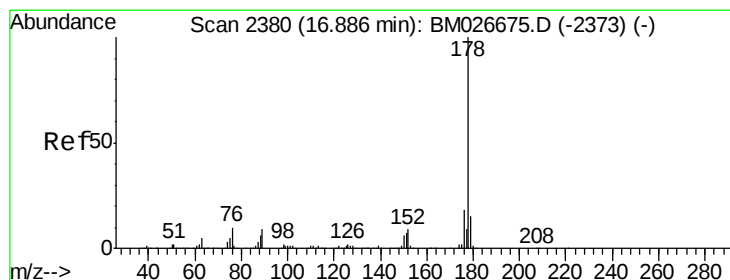
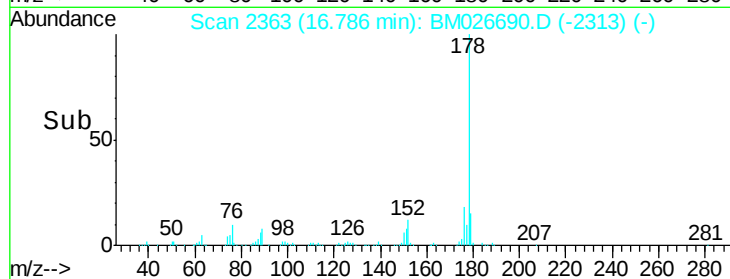
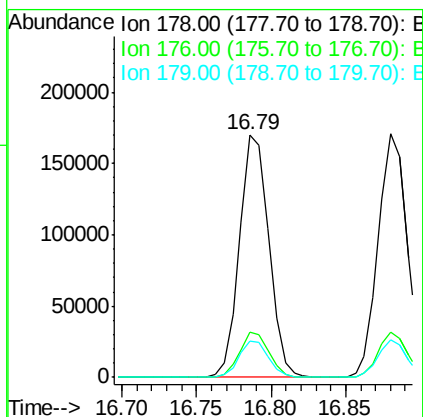
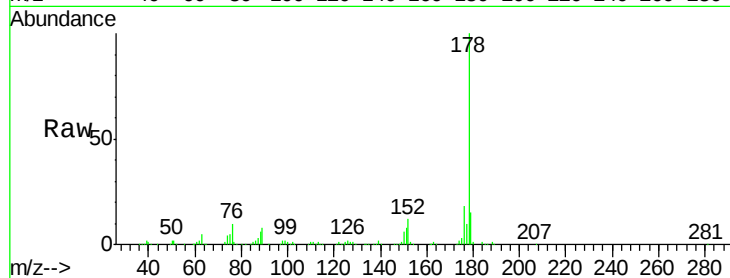




#71
Phenanthrene
Concen: 9.084 ng
RT: 16.79 min Scan# 2363
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

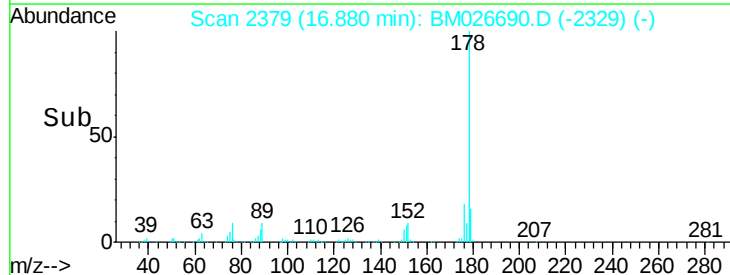
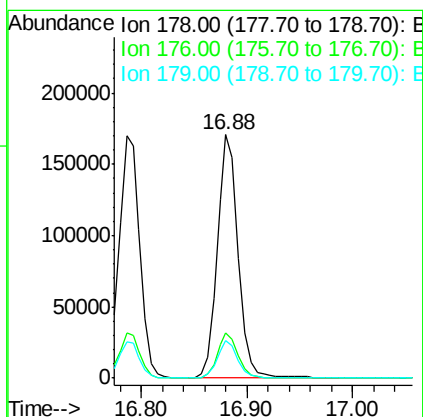
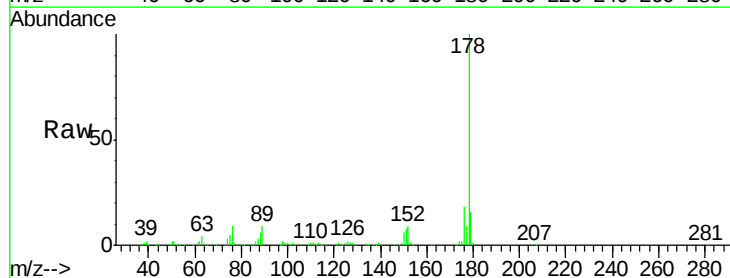
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

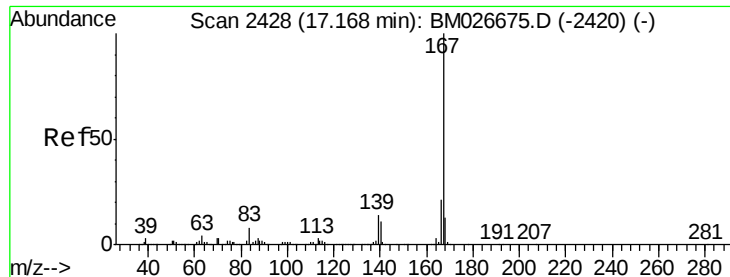
Tot Ion:178 Resp: 233243
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 14.8 12.1 18.1



#72
Anthracene
Concen: 9.178 ng
RT: 16.88 min Scan# 2379
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion:178 Resp: 234595
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 15.7 12.1 18.1

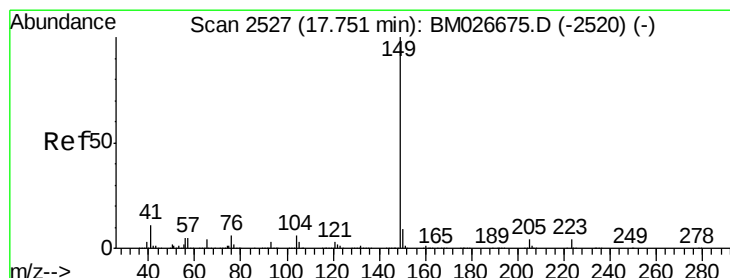
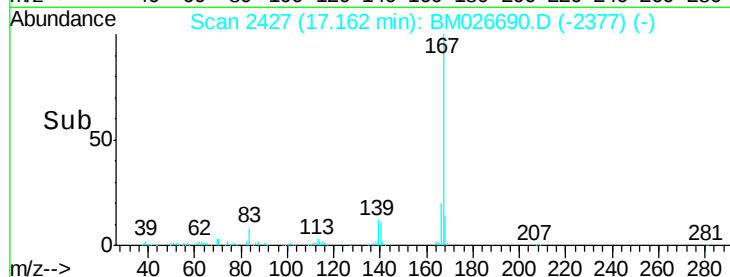
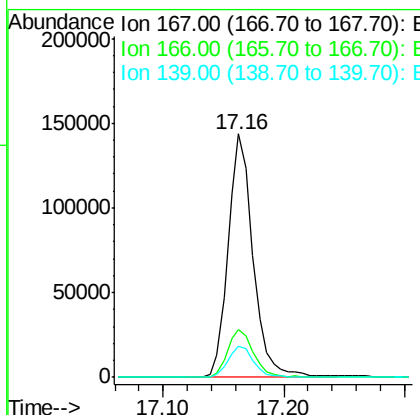
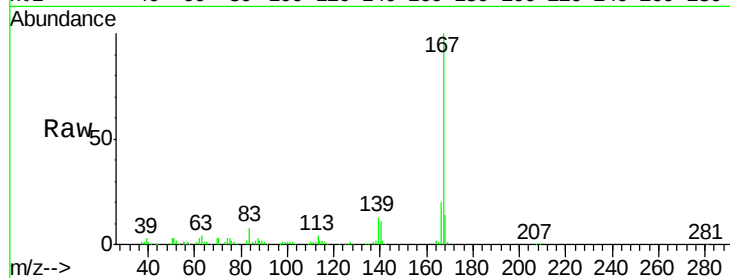




#73
 Carbazole
 Concen: 8.464 ng
 RT: 17.16 min Scan# 2427
 Delta R.T. -0.01 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

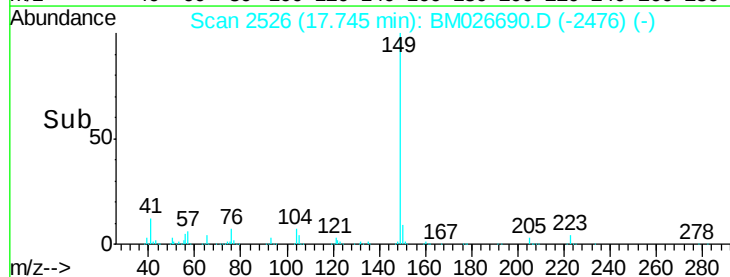
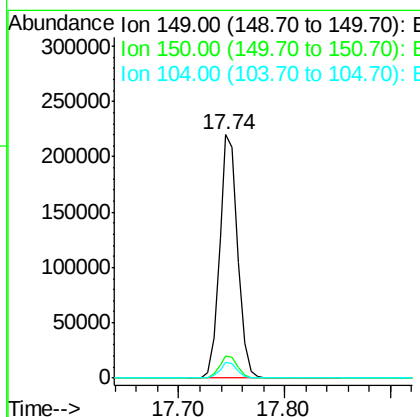
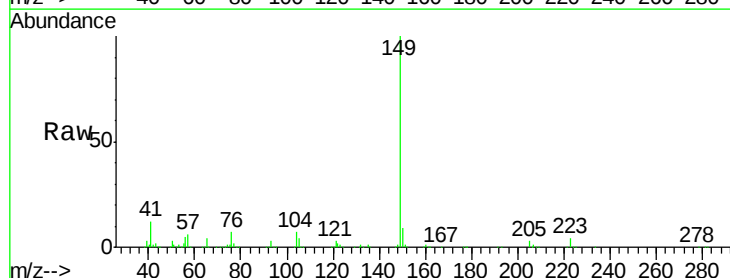
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

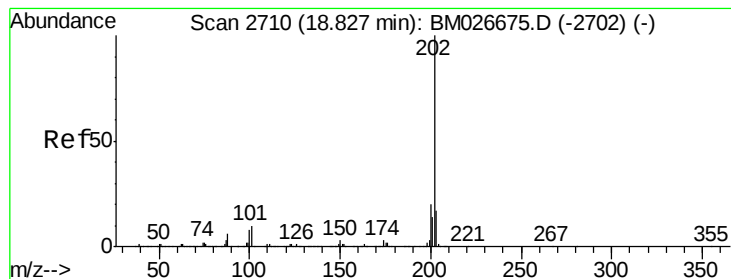
Tot Ion:167	Resp:	206255
Ion Ratio	Lower	Upper
167	100	
166	19.5	16.9 25.3
139	12.8	10.8 16.2



#74
 Di-n-butylphthalate
 Concen: 8.582 ng
 RT: 17.74 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

Tgt Ion:149	Resp:	262942
Ion Ratio	Lower	Upper
149	100	
150	9.1	7.3 10.9
104	6.6	5.0 7.4





#75

Fluoranthene

Concen: 9.088 ng

RT: 18.82 min Scan# 2709

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

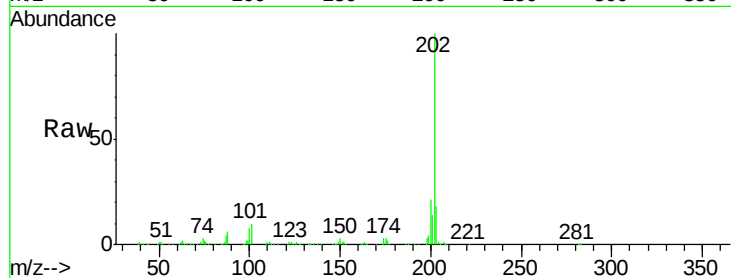
Tot Ion:202 Resp: 287388

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.1

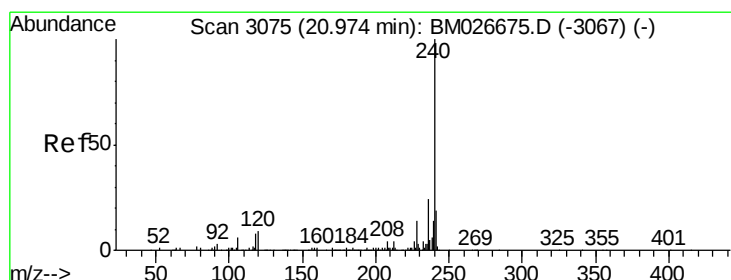
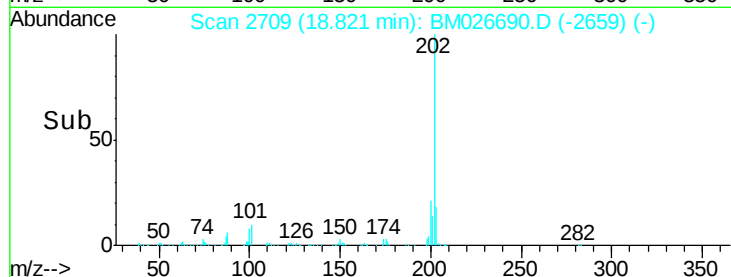
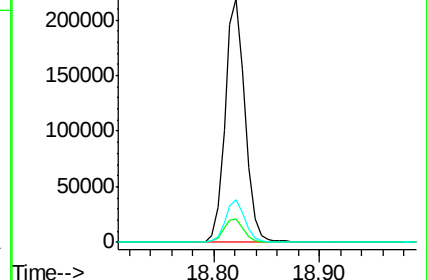
203 17.6 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 20.96 min Scan# 3073

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

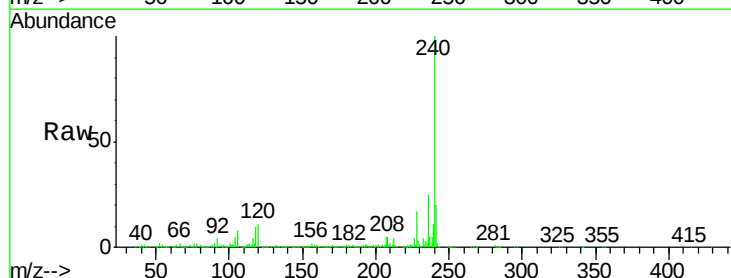
Tgt Ion:240 Resp: 513670

Ion Ratio Lower Upper

240 100

120 10.8 7.3 10.9

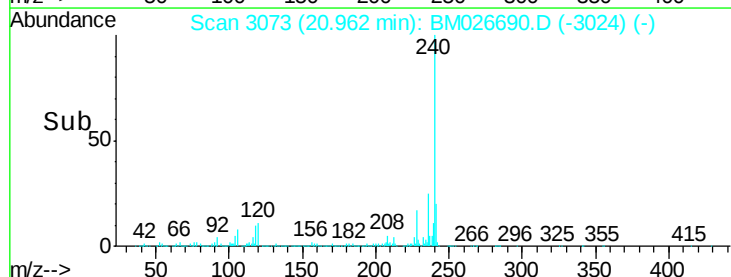
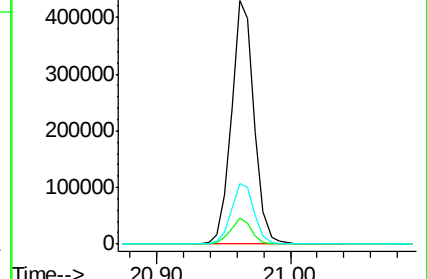
236 24.7 19.4 29.2

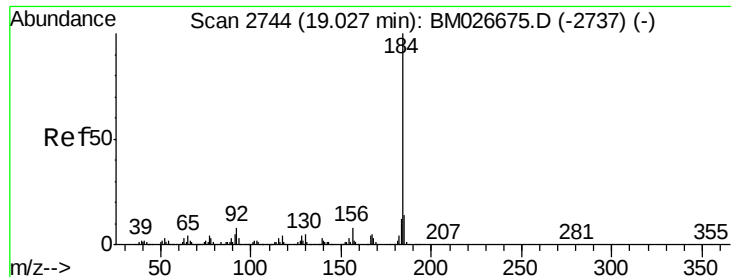


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 11.638 ng

RT: 19.03 min Scan# 2744

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

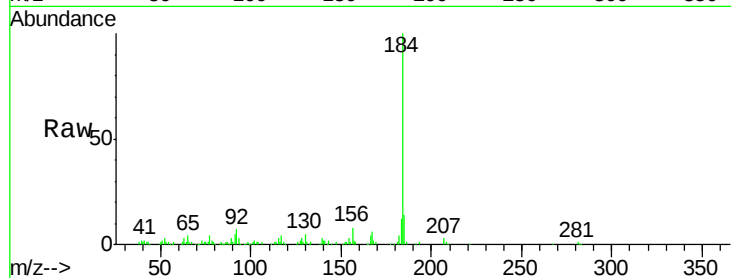
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:184 Resp: 117860

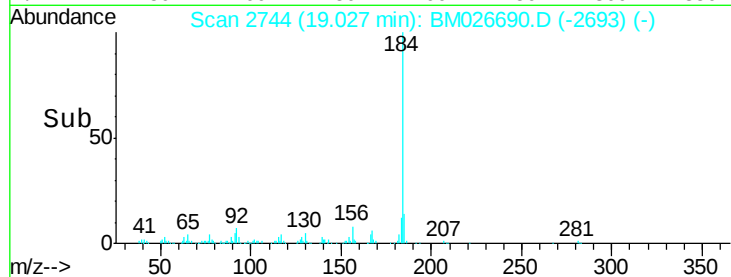
Ion	Ratio	Lower	Upper
184	100		
185	13.7	10.9	16.3
183	11.8	9.3	13.9



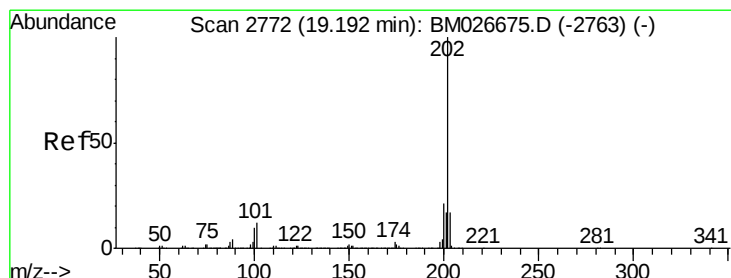
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->



#78

Pyrene

Concen: 9.265 ng

RT: 19.19 min Scan# 2771

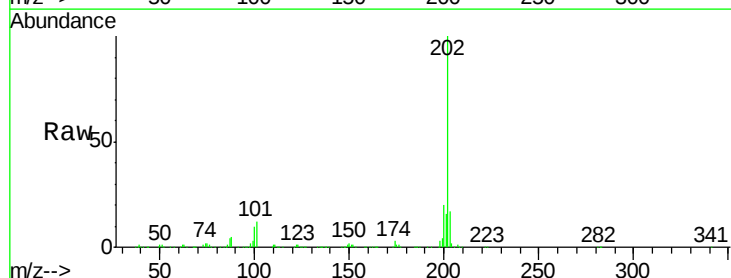
Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Tgt Ion:202 Resp: 299786

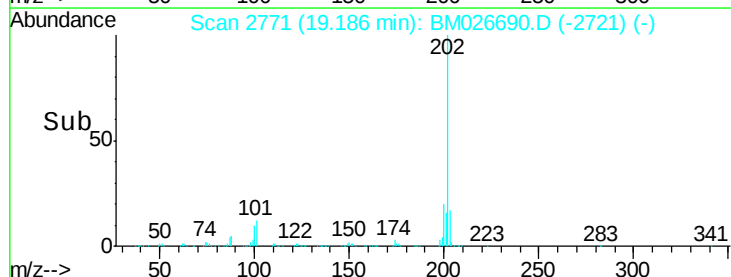
Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.6	24.8
203	17.0	13.7	20.5



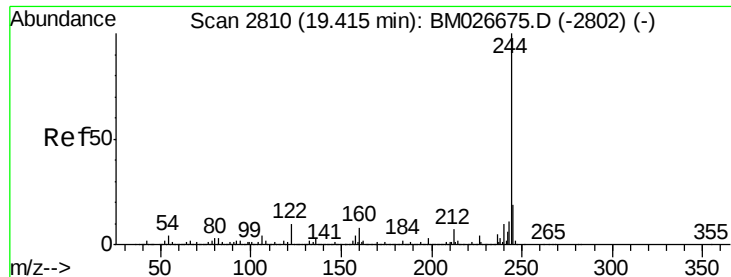
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#79

Terphenyl-d14

Concen: 154.180 ng

RT: 19.42 min Scan# 2810

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

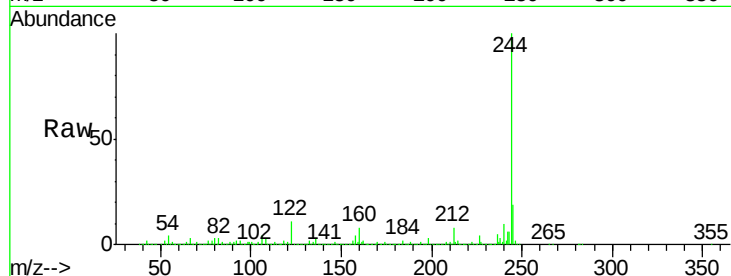
Tot Ion:244 Resp: 4024241

Ion Ratio Lower Upper

244 100

212 7.7 5.9 8.9

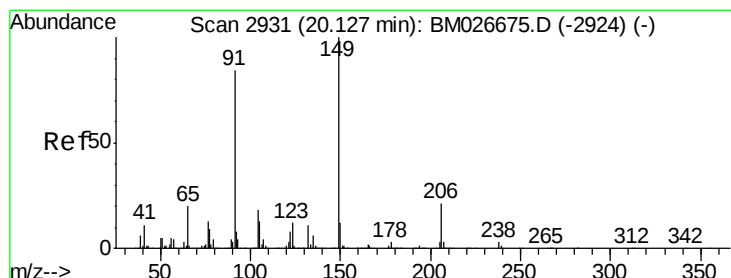
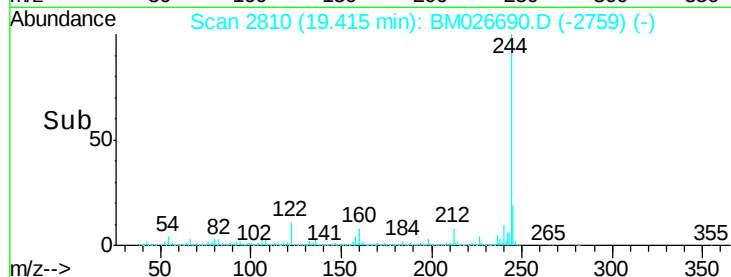
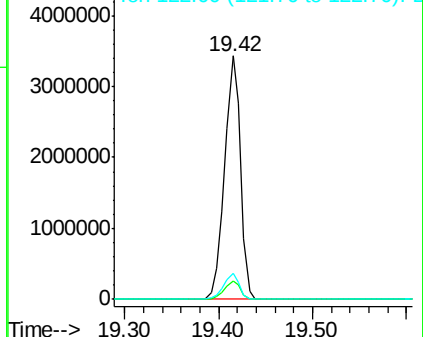
122 10.5 8.2 12.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 8.459 ng

RT: 20.13 min Scan# 2931

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

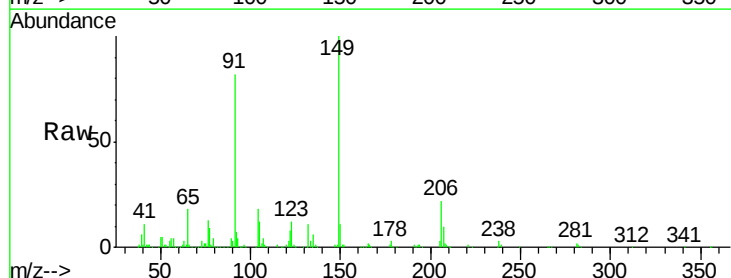
Tgt Ion:149 Resp: 122837

Ion Ratio Lower Upper

149 100

91 81.6 67.6 101.4

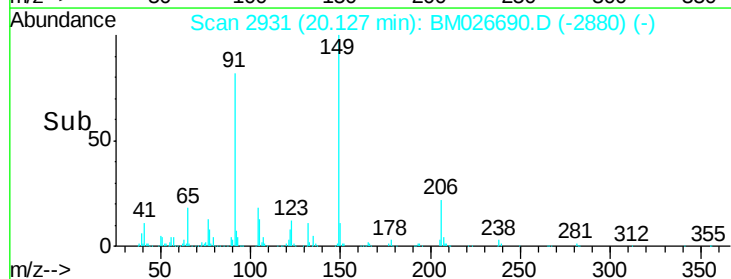
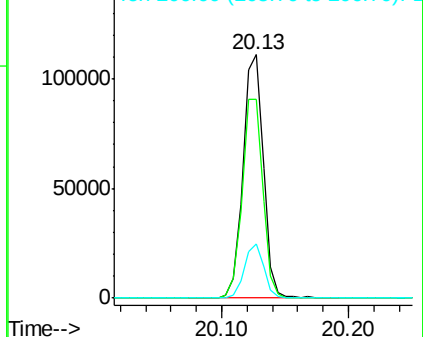
206 22.2 16.7 25.1

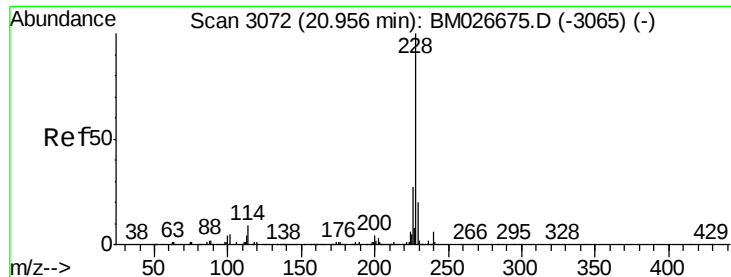


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

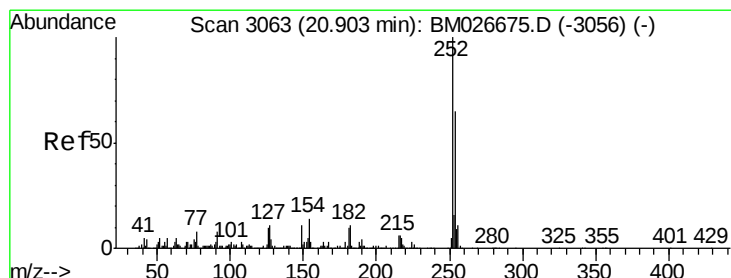
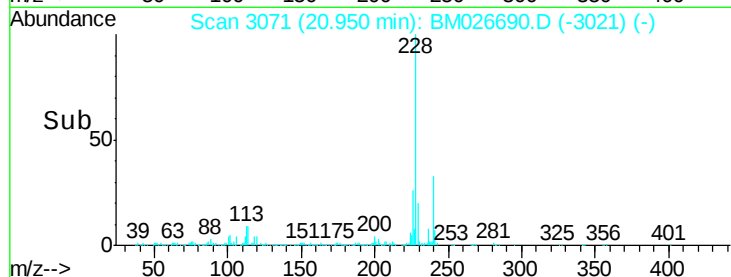
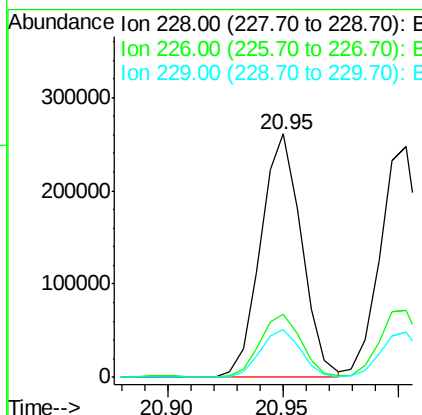
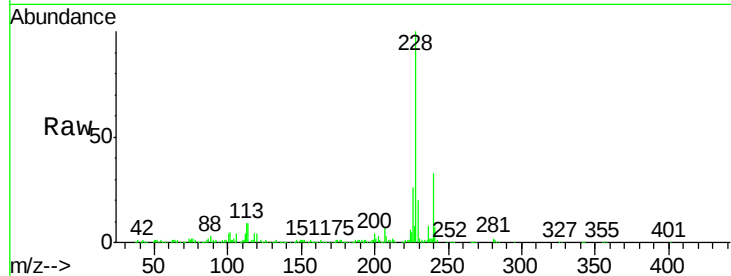




#81
Benzo(a)anthracene
Concen: 9.327 ng
RT: 20.95 min Scan# 3071
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

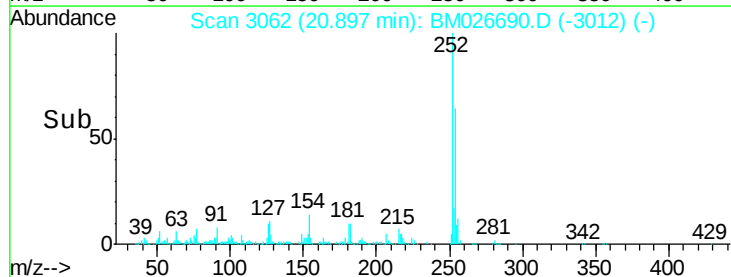
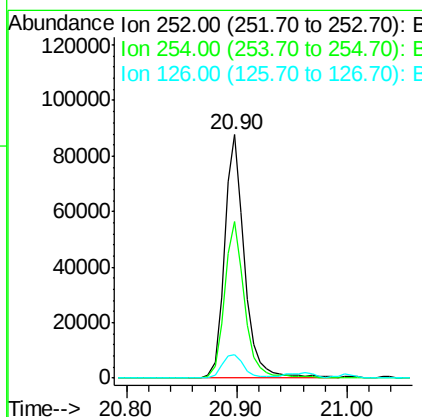
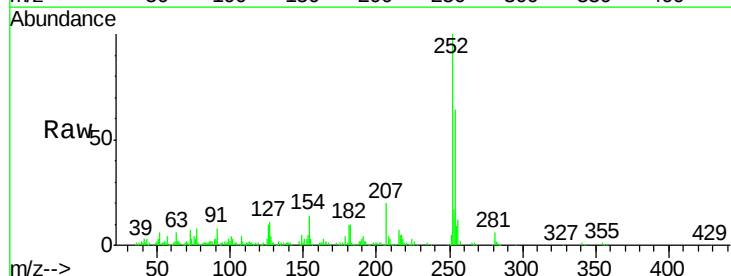
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

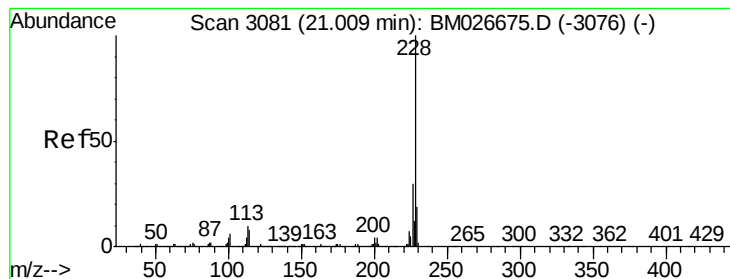
Tot Ion	Ratio	Lower	Upper
228	100		
226	25.7	21.4	32.2
229	19.6	15.6	23.4



#82
3,3'-Dichlorobenzidine
Concen: 10.114 ng
RT: 20.90 min Scan# 3062
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.9	77.9
126	9.8	8.2	12.2





#83

Chrysene

Concen: 9.097 ng

RT: 21.00 min Scan# 3080

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

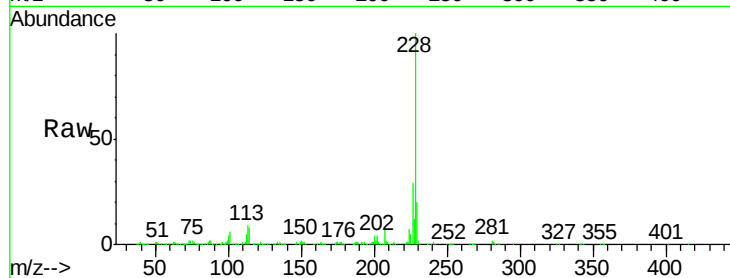
Tot Ion:228 Resp: 305505

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.7	35.5
229	19.8	15.4	23.0

228 100

226 28.9 23.7 35.5

229 19.8 15.4 23.0

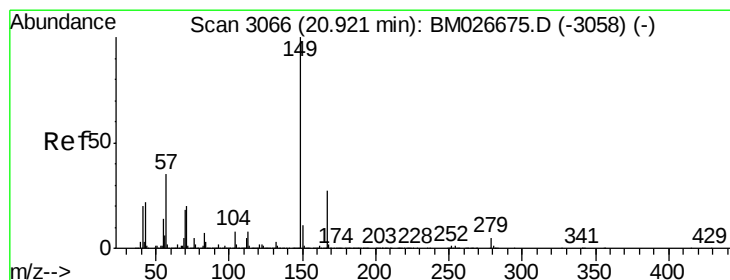
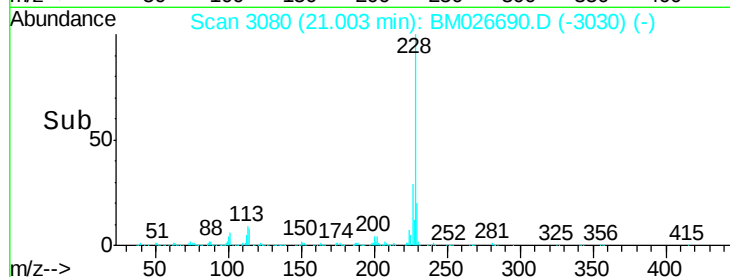
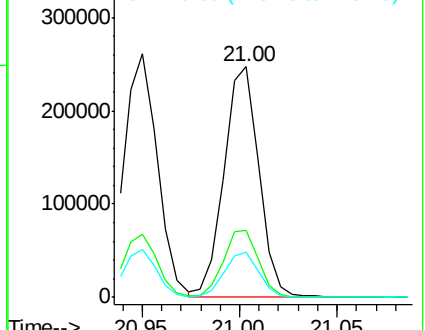


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.568 ng

RT: 20.92 min Scan# 3065

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

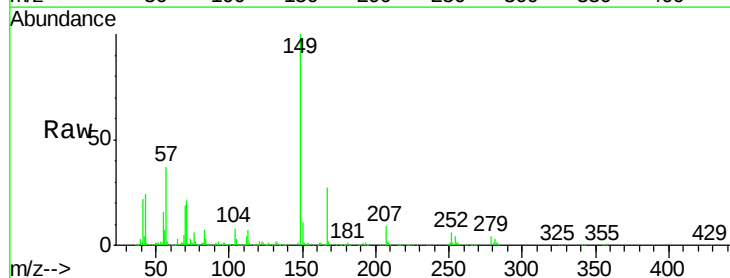
Tgt Ion:149 Resp: 199317

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.9	32.9
279	4.2	3.7	5.5

149 100

167 26.9 21.9 32.9

279 4.2 3.7 5.5

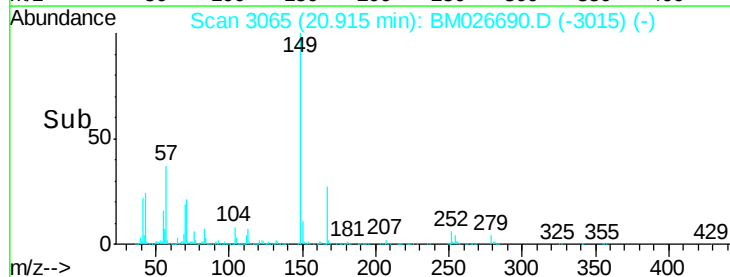
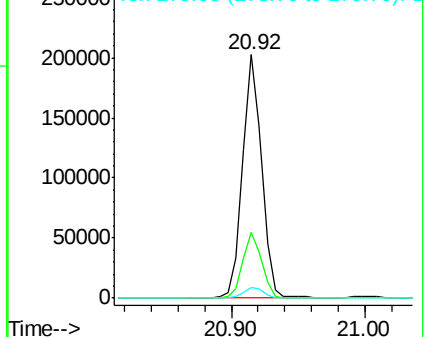


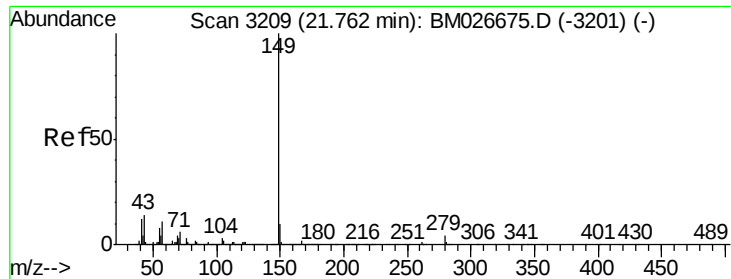
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 8.400 ng

RT: 21.76 min Scan# 3208

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

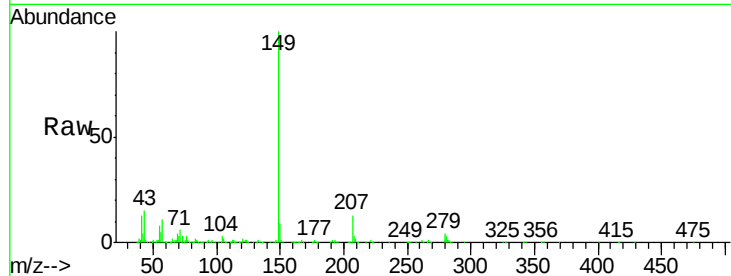
Tot Ion:149 Resp: 333977

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 15.4 11.2 16.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM

400000

300000

200000

100000

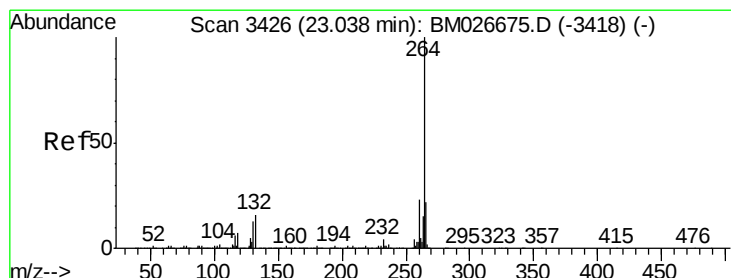
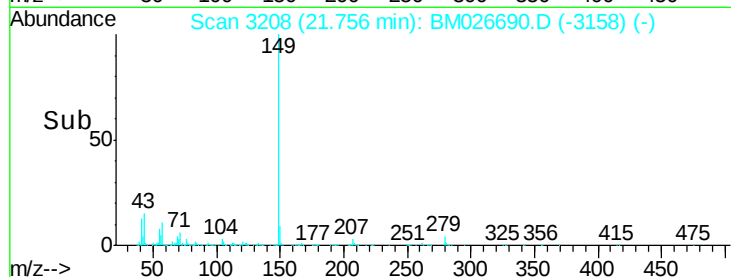
0

21.76

21.70

21.80

Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.03 min Scan# 3425

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

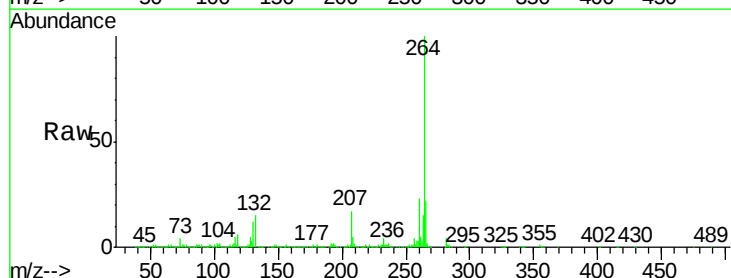
Tgt Ion:264 Resp: 528826

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.2

265 22.2 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

400000

300000

200000

100000

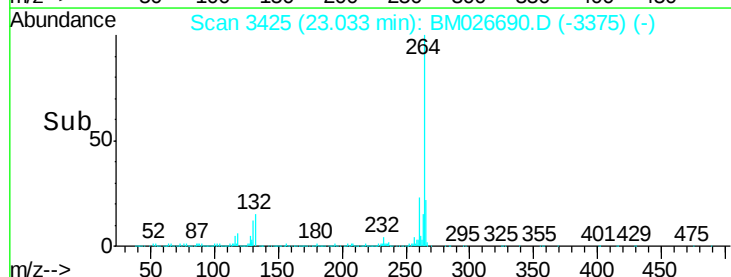
0

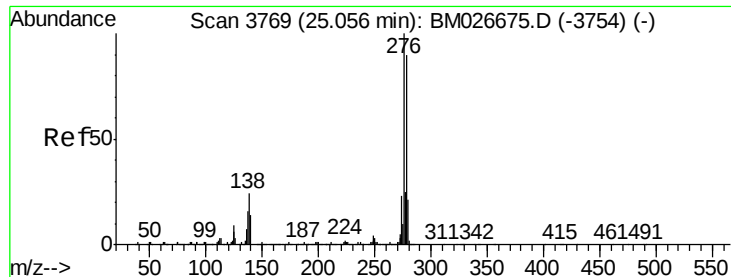
23.03

23.00

23.10

Time-->





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.350 ng

RT: 25.04 min Scan# 3766

Delta R.T. -0.02 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

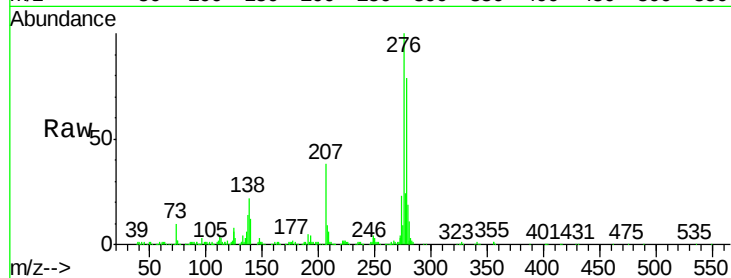
Tot Ion:276 Resp: 351986

Ion Ratio Lower Upper

276 100

138 21.8 18.4 27.6

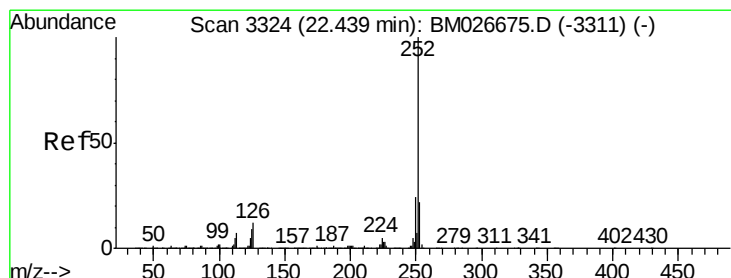
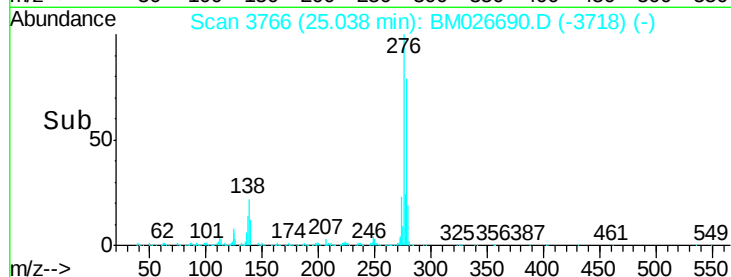
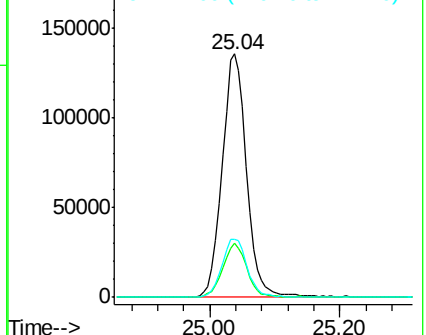
277 24.9 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88

Benzo(b)fluoranthene

Concen: 9.218 ng

RT: 22.43 min Scan# 3322

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

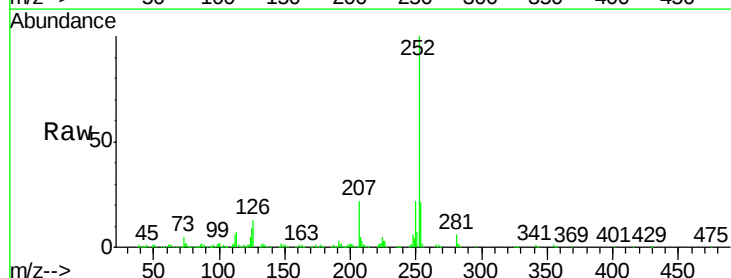
Tgt Ion:252 Resp: 321192

Ion Ratio Lower Upper

252 100

253 21.4 17.5 26.3

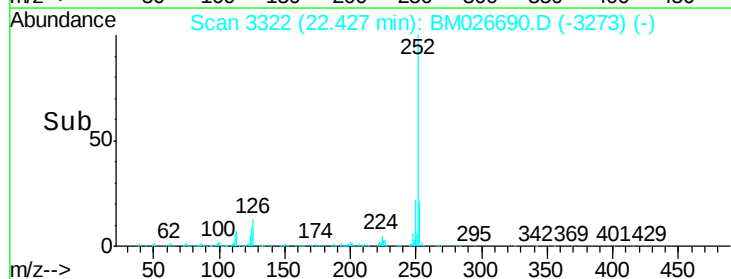
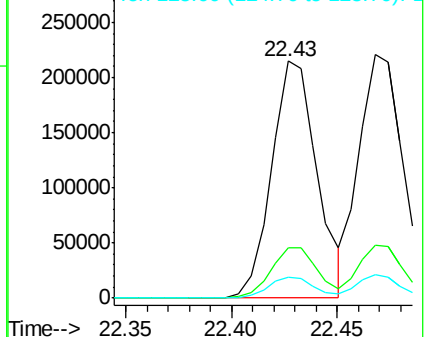
125 9.0 7.5 11.3

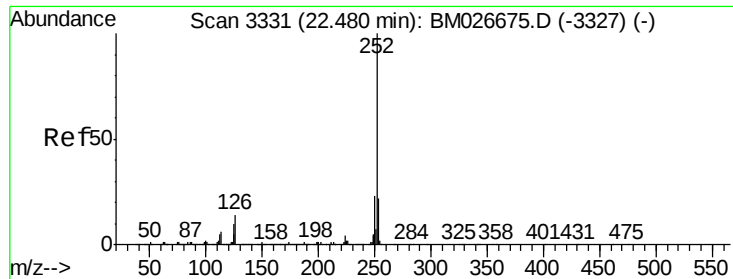


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 9.514 ng

RT: 22.47 min Scan# 3329

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

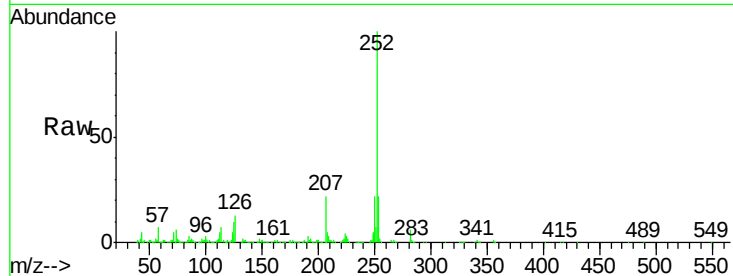
Tot Ion:252 Resp: 325184

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

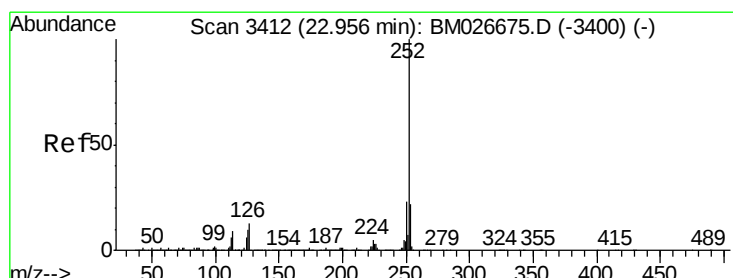
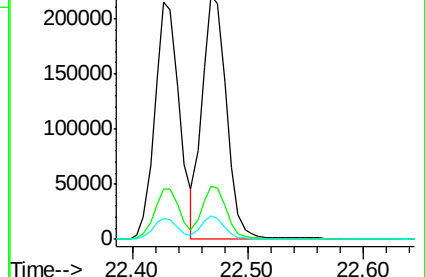
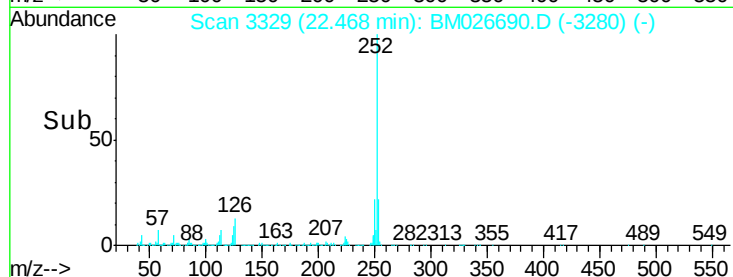
125 9.5 7.8 11.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 8.839 ng

RT: 22.94 min Scan# 3410

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

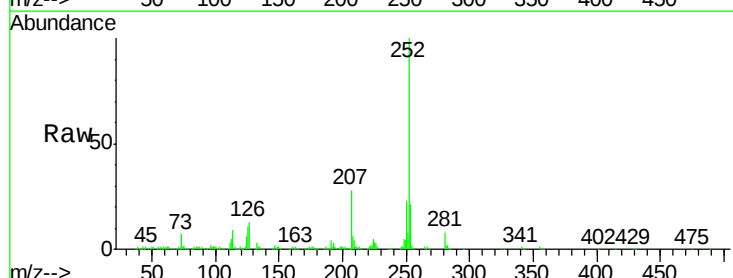
Tgt Ion:252 Resp: 285926

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.2

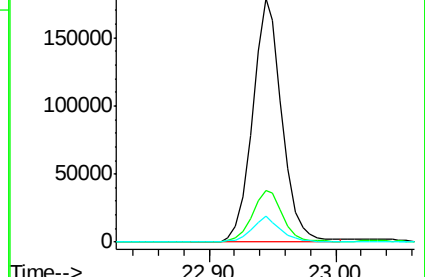
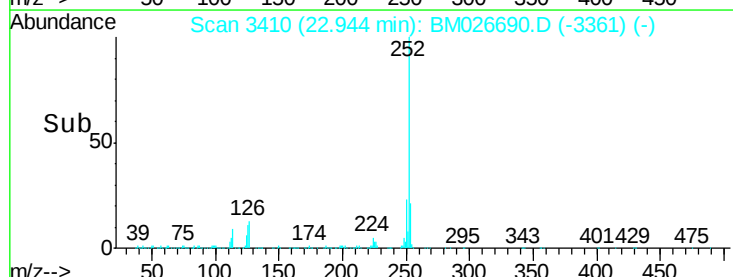
125 10.8 8.2 12.4

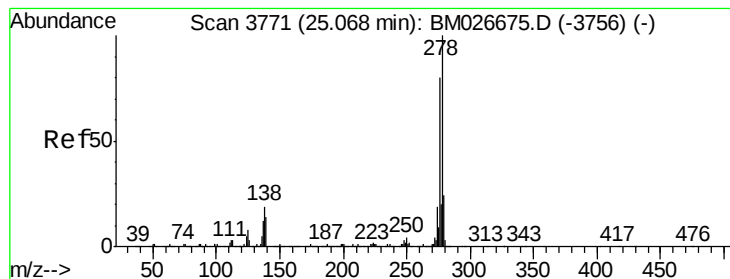


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 9.283 ng

RT: 25.04 min Scan# 3767

Delta R.T. -0.02 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

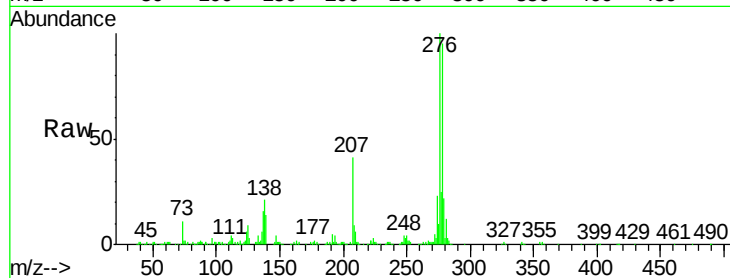
Tot Ion:278 Resp: 295018

Ion Ratio Lower Upper

278 100

139 15.0 11.2 16.8

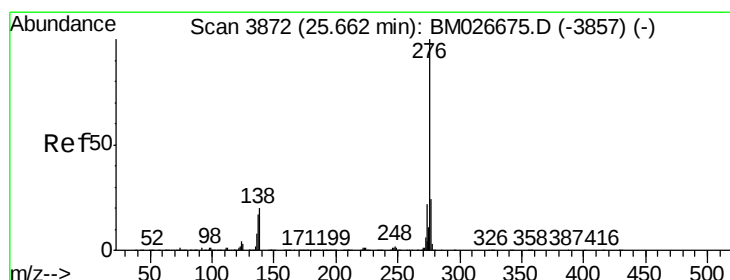
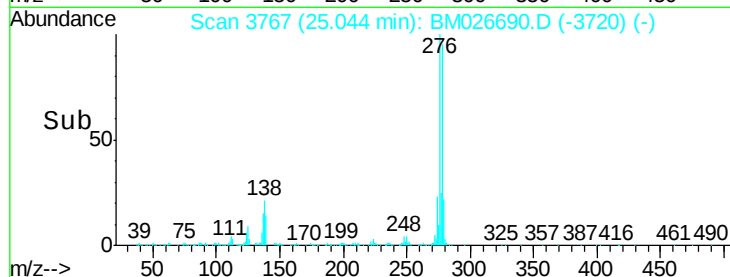
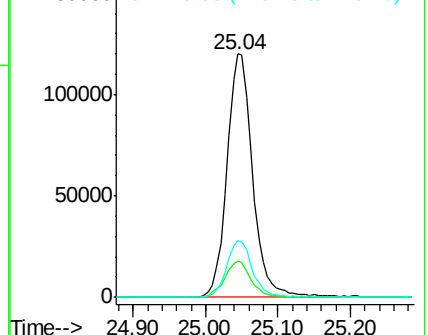
279 23.2 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 9.635 ng

RT: 25.64 min Scan# 3869

Delta R.T. -0.02 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

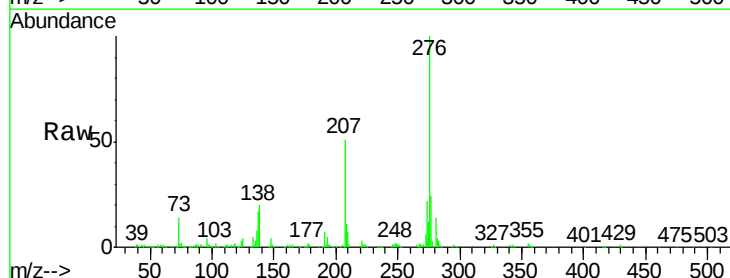
Tgt Ion:276 Resp: 282151

Ion Ratio Lower Upper

276 100

277 24.2 19.1 28.7

138 20.0 15.8 23.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

