

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM070920\
 Data File : BM026703.D
 Acq On : 08 Jul 2020 13:52
 Operator : JU/CG
 Sample : L3216-02
 Misc : L00-SOIL-10PPM
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jul 08 14:25:35 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 13:13:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	48028	20.00	ng	0.00
21) Naphthalene-d8	10.08	136	195751	20.00	ng	0.00
39) Acenaphthene-d10	13.99	164	130234	20.00	ng	0.00
64) Phenanthrene-d10	16.74	188	302153	20.00	ng	0.00
76) Chrysene-d12	20.96	240	387351	20.00	ng	0.00
86) Perylene-d12	23.04	264	431581	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.96	112	299373	104.48	ng	0.00
7) Phenol-d6	6.53	99	440649	96.52	ng	0.00
23) Nitrobenzene-d5	8.47	82	347247	75.68	ng	0.00
42) 2,4,6-Tribromophenol	15.49	330	191579	100.98	ng	0.00
45) 2-Fluorobiphenyl	12.59	172	711720	72.66	ng	0.00
79) Terphenyl-d14	19.41	244	1109624	56.38	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.95	88	15978	11.605	ng	97
3) Pyridine	3.36	79	26323	6.685	ng	# 76
4) n-Nitrosodimethylamine	3.27	42	21929	9.304	ng	# 79
6) Aniline	6.67	93	48006	8.567	ng	100
8) 2-Chlorophenol	6.90	128	29258	8.572	ng	98
9) Benzaldehyde	6.49	77	42259	16.678	ng	97
10) Phenol	6.56	94	38858	8.612	ng	92
11) bis(2-Chloroethyl)ether	6.77	93	31203	8.271	ng	93
12) 1,3-Dichlorobenzene	7.22	146	32167	8.670	ng	99
13) 1,4-Dichlorobenzene	7.36	146	33267	8.809	ng	94
14) 1,2-Dichlorobenzene	7.67	146	32081	8.527	ng	96
15) Benzyl Alcohol	7.58	79	27259	6.978	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.87	45	61920	7.952	ng	99
17) 2-Methylphenol	7.79	107	25172	7.341	ng	97
18) Hexachloroethane	8.37	117	12293	8.196	ng	92
19) n-Nitroso-di-n-propylamine	8.14	70	28033	7.380	ng	94
20) 3+4-Methylphenols	8.12	107	33416	7.088	ng	91
22) Acetophenone	8.15	105	77149	13.869	ng	# 94
24) Nitrobenzene	8.51	77	43738	9.061	ng	96
25) Isophorone	9.04	82	69657	7.917	ng	98
26) 2-Nitrophenol	9.22	139	13377	7.509	ng	# 90
27) 2,4-Dimethylphenol	9.30	122	26181	9.037	ng	99
28) bis(2-Chloroethoxy)methane	9.53	93	41538	8.546	ng	# 97
29) 2,4-Dichlorophenol	9.76	162	24615	7.715	ng	94
30) 1,2,4-Trichlorobenzene	9.95	180	30640	8.609	ng	98
31) Naphthalene	10.13	128	96481	8.862	ng	98
32) Benzoic acid	9.43	122	17113	7.784	ng	# 88
33) 4-Chloroaniline	10.27	127	37496	7.873	ng	99
34) Hexachlorobutadiene	10.42	225	19596	8.313	ng	98
35) Caprolactam	11.05	113	8722	7.718	ng	# 73
36) 4-Chloro-3-methylphenol	11.41	107	31589	7.834	ng	96
37) 2-Methylnaphthalene	11.76	142	67120	8.322	ng	98
38) 1-Methylnaphthalene	11.98	142	65625	8.493	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.14	216	60523	14.376	ng	99

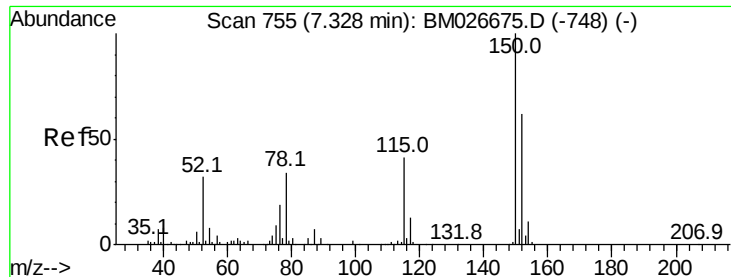
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM070920\
 Data File : BM026703.D
 Acq On : 08 Jul 2020 13:52
 Operator : JU/CG
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 08 13:13:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.12	237	12341	6.143	ng	99
43) 2,4,6-Trichlorophenol	12.40	196	21331	7.735	ng	97
44) 2,4,5-Trichlorophenol	12.48	196	23752	7.329	ng	95
46) 1,1'-Biphenyl	12.80	154	152493	14.824	ng	98
47) 2-Chloronaphthalene	12.84	162	69903	8.412	ng	97
48) 2-Nitroaniline	13.07	65	23798	6.959	ng	96
49) Acenaphthylene	13.70	152	110035	8.283	ng	100
50) Dimethylphthalate	13.46	163	93731	8.414	ng	99
51) 2,6-Dinitrotoluene	13.58	165	19043	7.983	ng	92
52) Acenaphthene	14.05	154	66236	8.204	ng	96
53) 3-Nitroaniline	13.92	138	16436	6.623	ng	96
54) 2,4-Dinitrophenol	14.14	184	10788	7.727	ng	95
55) Dibenzofuran	14.39	168	109961	8.306	ng	96
56) 4-Nitrophenol	14.27	139	10723	5.507	ng	97
57) 2,4-Dinitrotoluene	14.39	165	24750	7.189	ng	87
58) Fluorene	15.04	166	89609	8.176	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.63	232	23332	8.244	ng	99
60) Diethylphthalate	14.85	149	94538	8.026	ng	99
61) 4-Chlorophenyl-phenylether	15.05	204	47389	7.980	ng	98
62) 4-Nitroaniline	15.10	138	13551	5.232	ng	94
63) Azobenzene	15.34	77	101739	7.864	ng	95
65) 4,6-Dinitro-2-methylphenol	15.16	198	12702	6.184	ng	85
66) n-Nitrosodiphenylamine	15.27	169	78070	8.131	ng	99
67) 4-Bromophenyl-phenylether	15.95	248	28105	7.473	ng	97
68) Hexachlorobenzene	16.06	284	32964	8.328	ng	98
69) Atrazine	16.24	200	28444	9.851	ng	98
70) Pentachlorophenol	16.42	266	15451	6.900	ng	98
71) Phenanthrene	16.79	178	151904	8.516	ng	98
72) Anthracene	16.88	178	150856	8.495	ng	99
73) Carbazole	17.16	167	133454	7.883	ng	99
74) Di-n-butylphthalate	17.74	149	164875	7.745	ng	99
75) Fluoranthene	18.82	202	187616	8.540	ng	99
77) Benzidine	19.03	184	71072	9.307	ng	98
78) Pyrene	19.19	202	201369	8.252	ng	99
80) Butylbenzylphthalate	20.13	149	80305	7.334	ng	93
81) Benzo(a)anthracene	20.95	228	220815	8.487	ng	98
82) 3,3'-Dichlorobenzidine	20.90	252	76650	9.282	ng	94
83) Chrysene	21.00	228	220709	8.715	ng	99
84) Bis(2-ethylhexyl)phthalate	20.92	149	127447	7.265	ng	100
85) Di-n-octyl phthalate	21.76	149	226211	7.545	ng	# 91
87) Indeno(1,2,3-cd)pyrene	25.04	276	296417	9.648	ng	99
88) Benzo(b)fluoranthene	22.43	252	233458	8.210	ng	99
89) Benzo(k)fluoranthene	22.47	252	247910	8.888	ng	99
90) Benzo(a)pyrene	22.95	252	218804	8.288	ng	98
91) Dibenzo(a,h)anthracene	25.05	278	249696	9.627	ng	98
92) Benzo(g,h,i)perylene	25.65	276	249322	10.433	ng	98

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

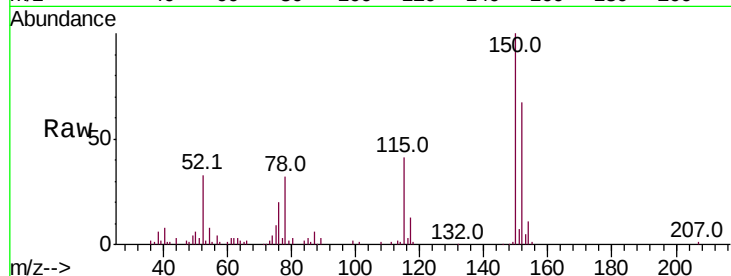


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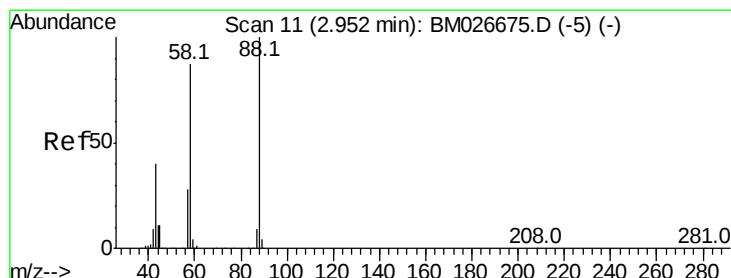
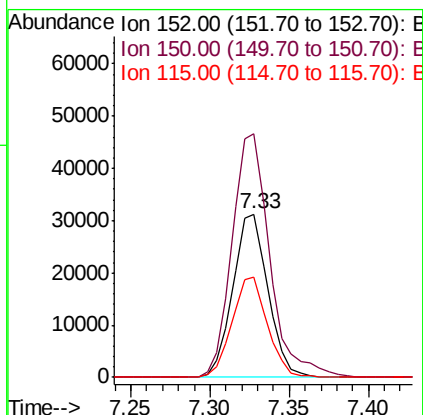
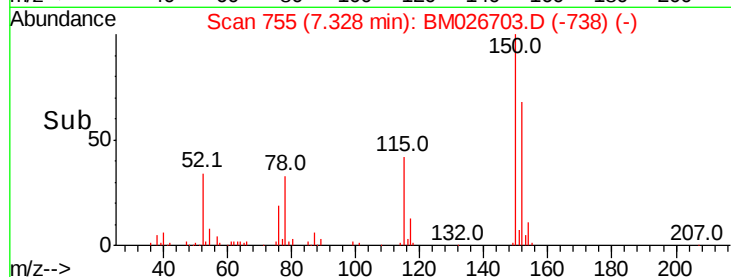
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.33 min Scan# 755
Delta R.T. 0.00 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion:152 Resp: 48028
Ion Ratio Lower Upper
152 100
150 148.9 128.1 192.1
115 61.4 52.2 78.4



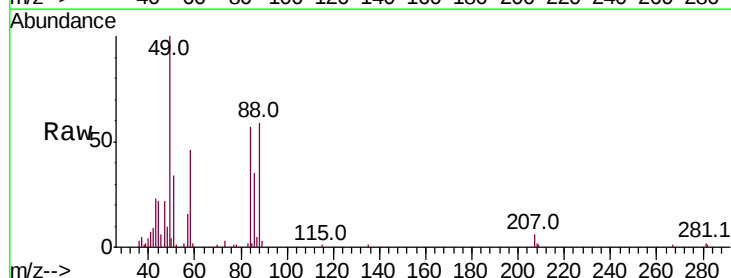
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



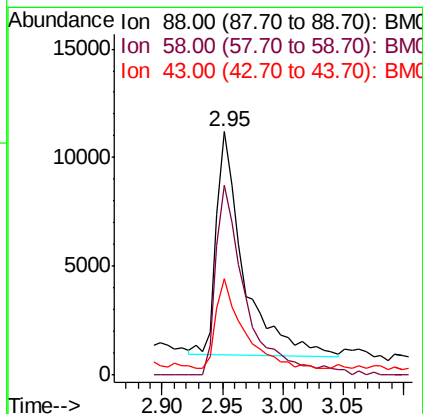
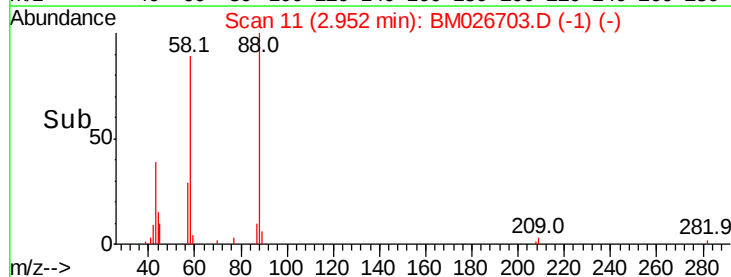
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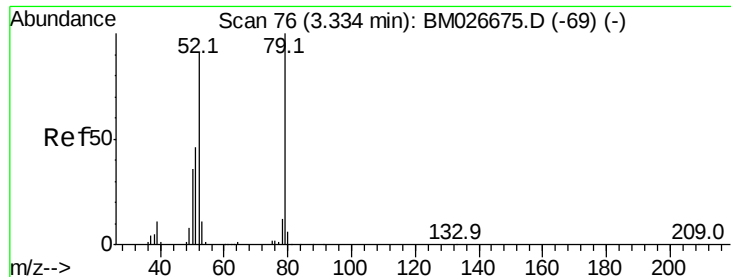
1,4-Dioxane
Concen: 11.605 ng
RT: 2.95 min Scan# 11
Delta R.T. 0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion: 88 Resp: 15978
Ion Ratio Lower Upper
88 100
58 94.1 73.2 109.8
43 40.9 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

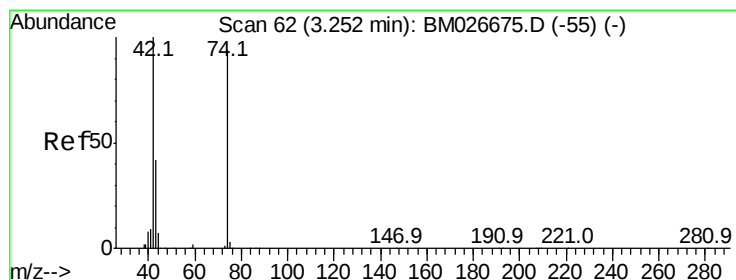
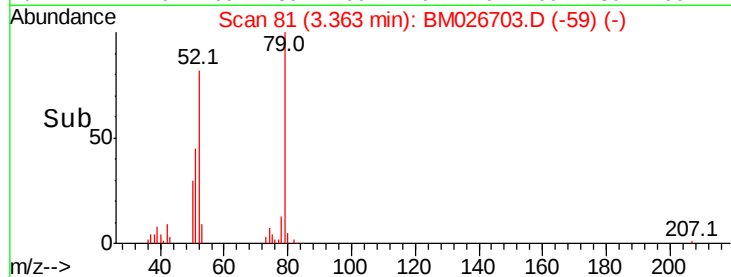
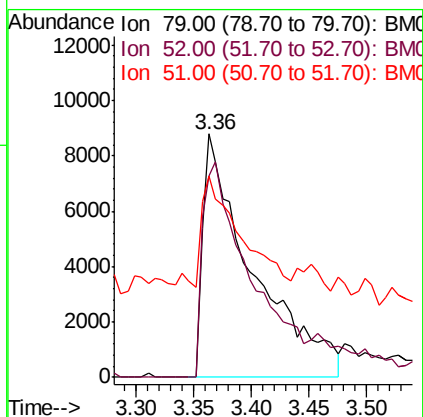
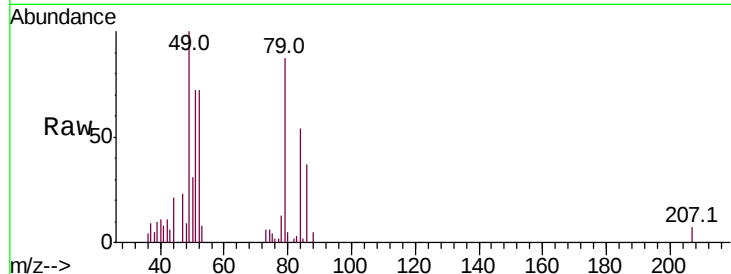




#3
 Pvridine
 Concen: 6.685 ng
 RT: 3.36 min Scan# 81
 Delta R.T. 0.03 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

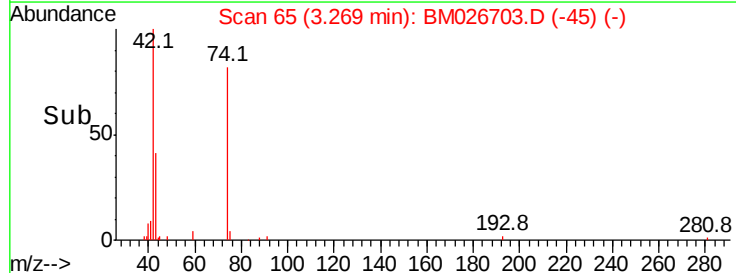
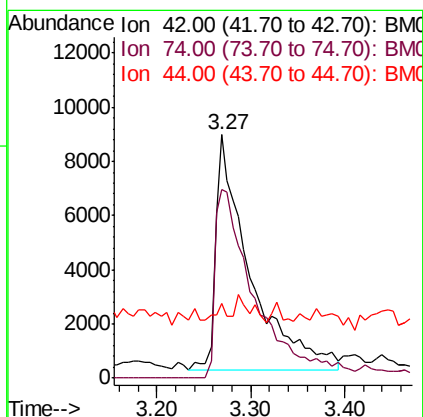
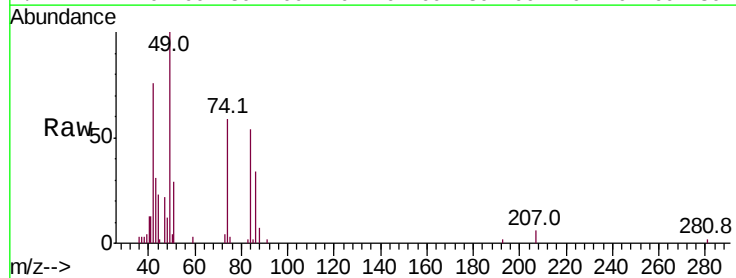
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

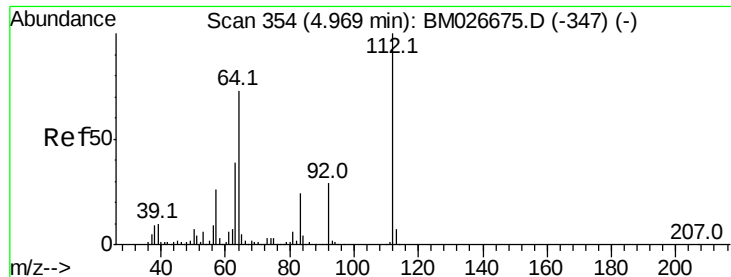
Tot Ion: 79 Resp: 26323
 Ion Ratio Lower Upper
 79 100
 52 82.5 72.9 109.3
 51 82.5 37.6 56.4#



#4
 n-Nitrosodimethylamine
 Concen: 9.304 ng
 RT: 3.27 min Scan# 65
 Delta R.T. 0.02 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

Tgt Ion: 42 Resp: 21929
 Ion Ratio Lower Upper
 42 100
 74 77.2 75.1 112.7
 44 30.4 5.7 8.5#





#5

2-Fluorophenol

Concen: 104.476 ng

RT: 4.96 min Scan# 353

Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

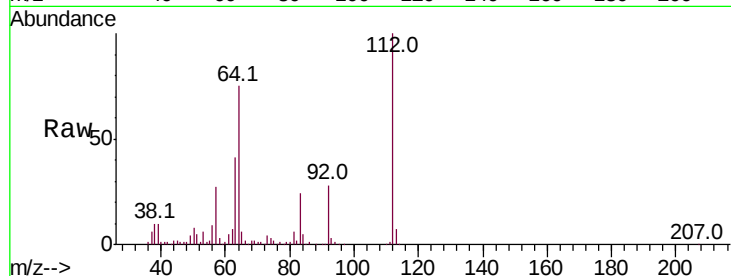
Tot Ion:112 Resp: 299373

Ion Ratio Lower Upper

112 100

64 74.7 58.4 87.6

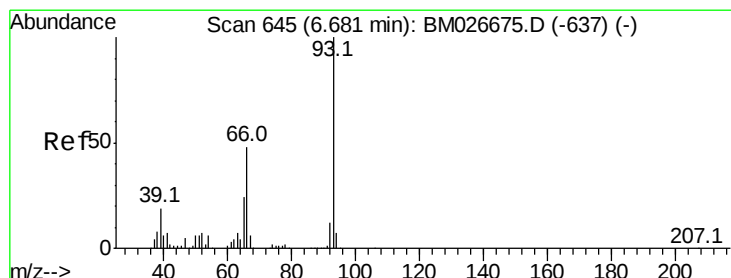
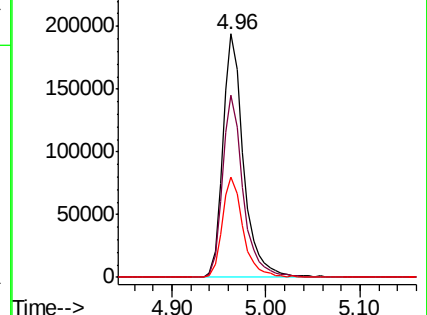
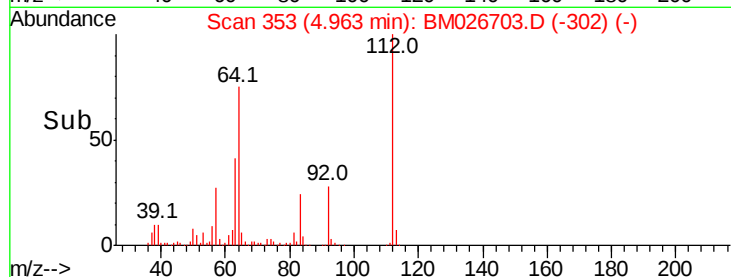
63 41.1 31.5 47.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#6

Aniline

Concen: 8.567 ng

RT: 6.67 min Scan# 644

Delta R.T. -0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

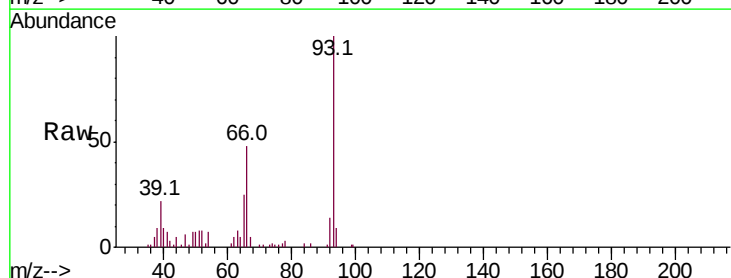
Tgt Ion: 93 Resp: 48006

Ion Ratio Lower Upper

93 100

66 47.6 38.2 57.4

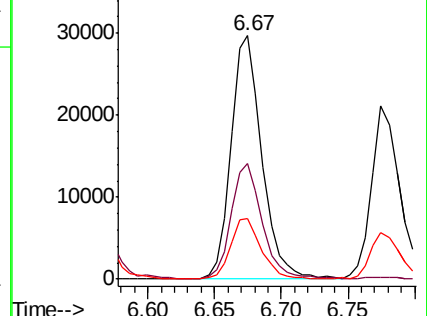
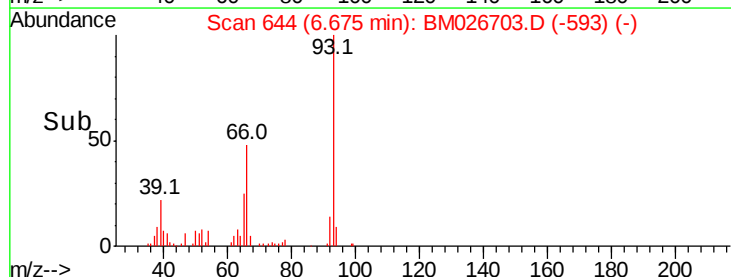
65 24.8 19.6 29.4

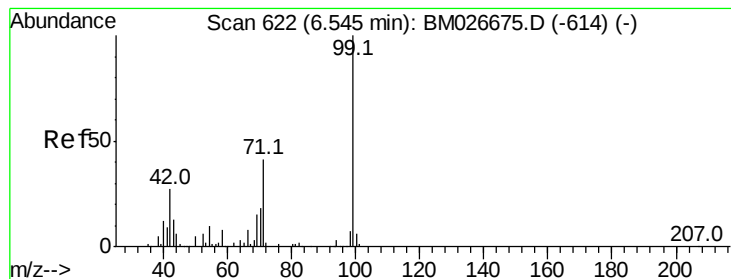


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 96.519 ng

RT: 6.53 min Scan# 620

Delta R.T. -0.01 min

Lab File: BM026703.D

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Instrument :

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LOQ-SOIL-02-QT3-2020

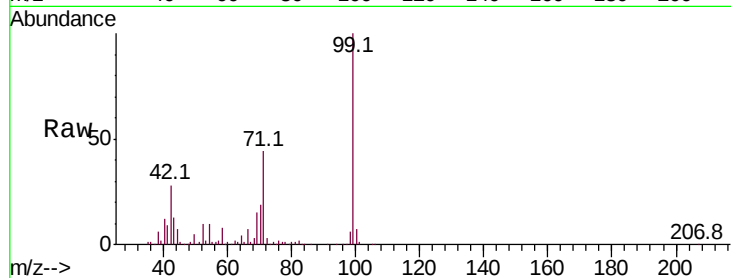
Tot Ion: 99 Resp: 440649

Ion Ratio Lower Upper

99 100

42 27.9 21.7 32.5

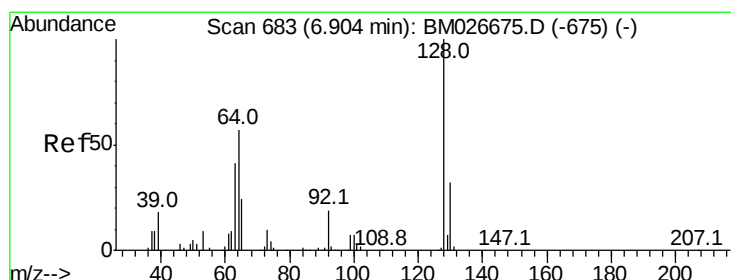
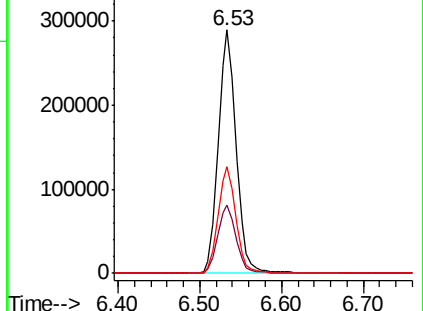
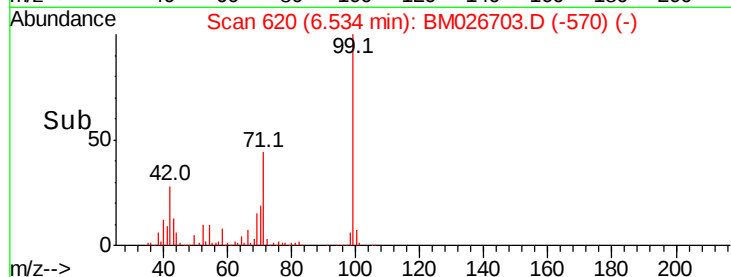
71 43.9 33.2 49.8



Abundance Ion 99.00 (98.70 to 99.70): BM026675.D (-614) (-)

Ion 42.00 (41.70 to 42.70): BM026675.D (-614) (-)

Ion 71.00 (70.70 to 71.70): BM026675.D (-614) (-)



#8

2-Chlorophenol

Concen: 8.572 ng

RT: 6.90 min Scan# 682

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

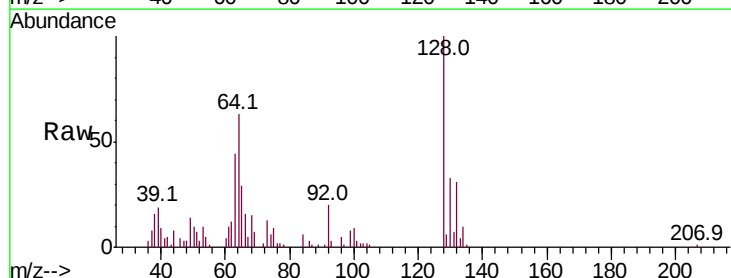
Tgt Ion: 128 Resp: 29258

Ion Ratio Lower Upper

128 100

130 33.2 12.2 52.2

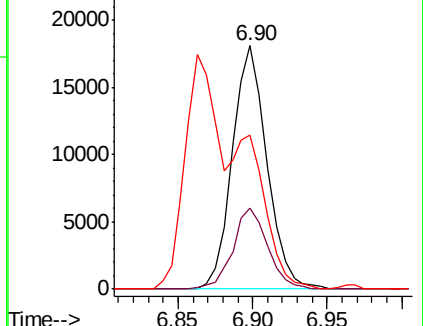
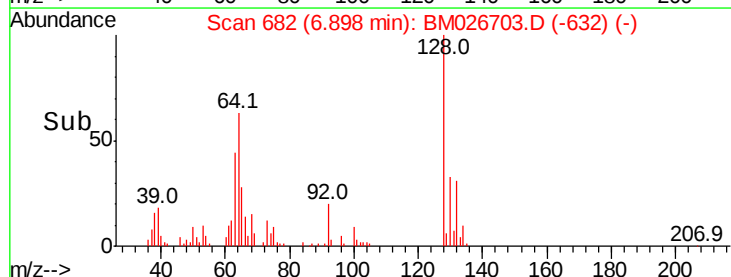
64 63.2 41.4 81.4

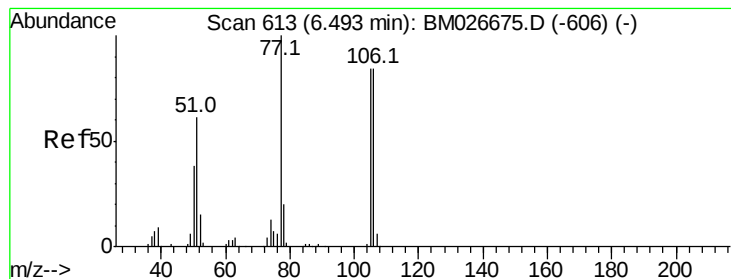


Abundance Ion 128.00 (127.70 to 128.70): BM026675.D (-675) (-)

Ion 130.00 (129.70 to 130.70): BM026675.D (-675) (-)

Ion 64.00 (63.70 to 64.70): BM026675.D (-675) (-)





#9

Benzaldehyde

Concen: 16.678 ng

RT: 6.49 min Scan# 612

Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

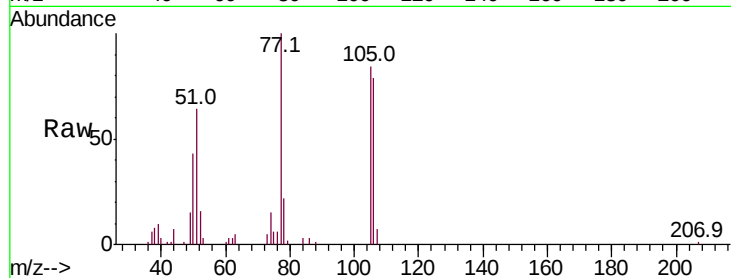
Tot Ion: 77 Resp: 42259

Ion Ratio Lower Upper

77 100

105 84.5 64.4 104.4

106 78.9 64.3 104.3



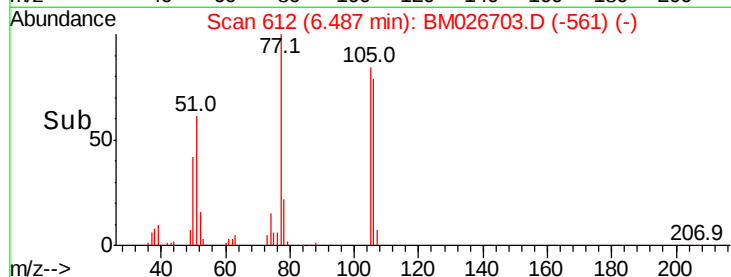
Abundance Ion 77.00 (76.70 to 77.70): BM026675.D (-606) (-)

Ion 105.00 (104.70 to 105.70): BM026675.D (-606) (-)

Ion 106.00 (105.70 to 106.70): BM026675.D (-606) (-)

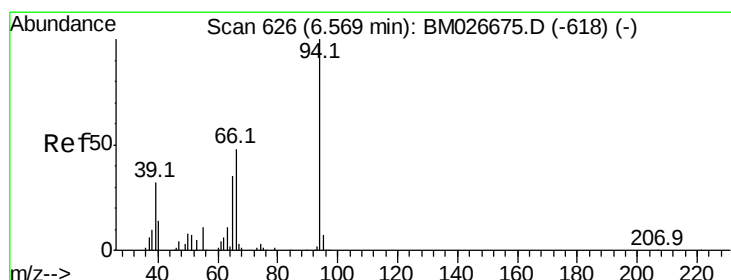
6.49

Time-->



6.49

Time-->



#10

Phenol

Concen: 8.612 ng

RT: 6.56 min Scan# 624

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

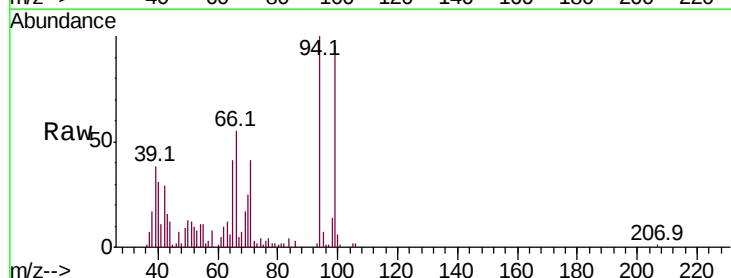
Tgt Ion: 94 Resp: 38858

Ion Ratio Lower Upper

94 100

65 40.9 15.5 55.5

66 54.8 29.8 69.8



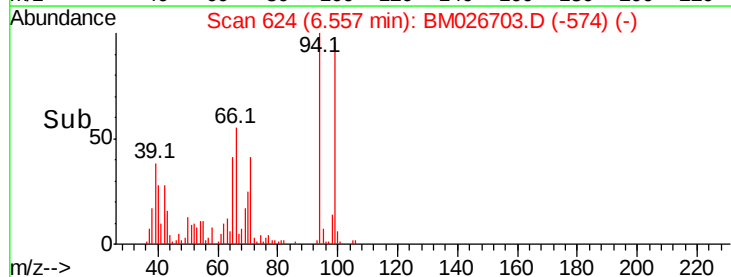
Abundance Ion 94.00 (93.70 to 94.70): BM026675.D (-618) (-)

Ion 65.00 (64.70 to 65.70): BM026675.D (-618) (-)

Ion 66.00 (65.70 to 66.70): BM026675.D (-618) (-)

6.56

Time-->



6.56

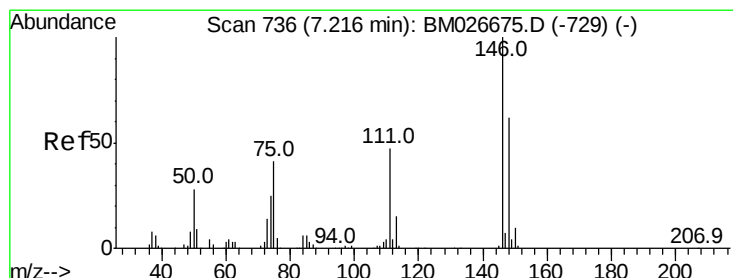
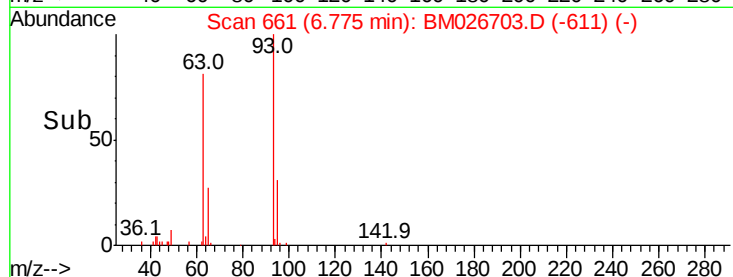
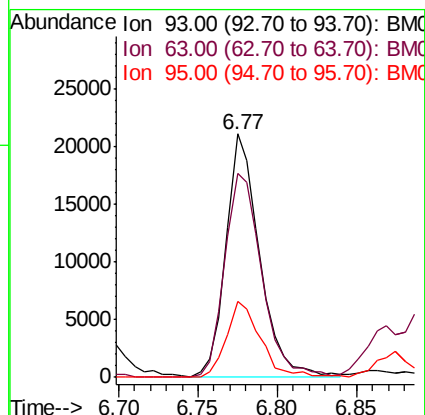
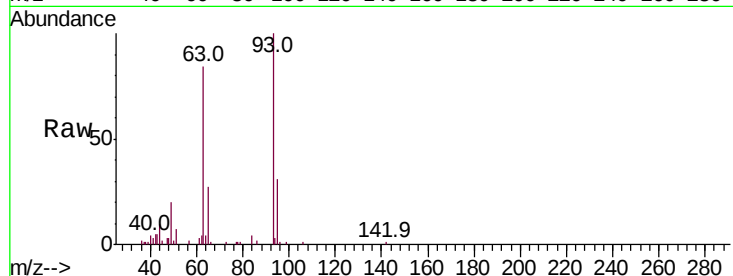
Time-->



#11
bis(2-Chloroethyl)ether
Concen: 8.271 ng
RT: 6.77 min Scan# 661
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

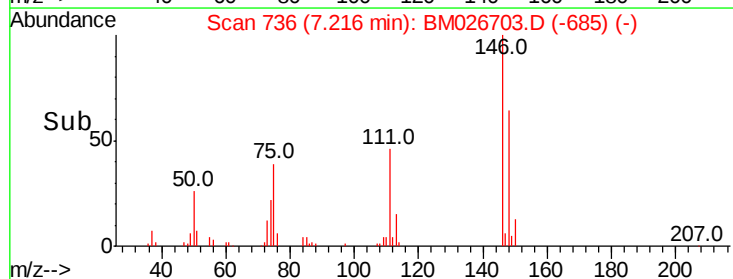
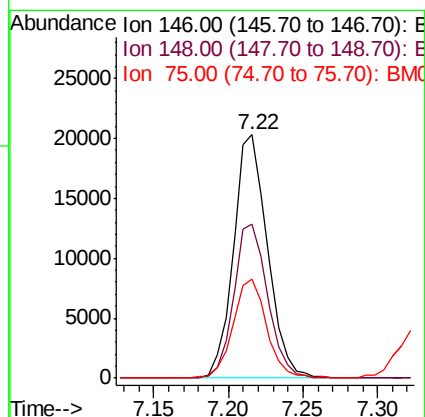
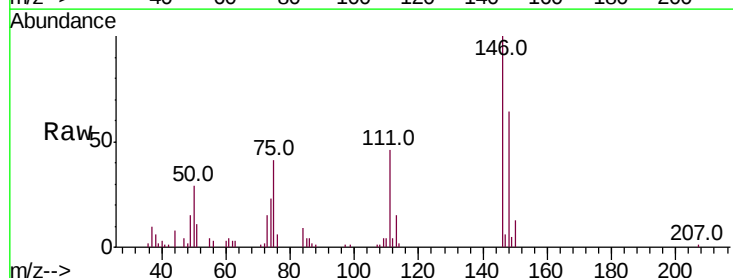
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

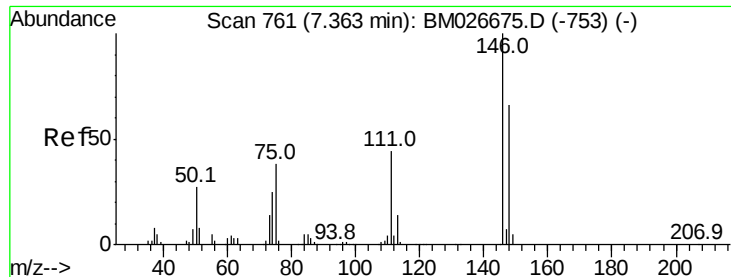
Tot Ion: 93 Resp: 31203
Ion Ratio Lower Upper
93 100
63 83.9 72.6 112.6
95 31.1 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 8.670 ng
RT: 7.22 min Scan# 736
Delta R.T. 0.00 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion: 146 Resp: 32167
Ion Ratio Lower Upper
146 100
148 63.5 49.7 74.5
75 40.8 32.7 49.1





#13

1,4-Dichlorobenzene

Concen: 8.809 ng

RT: 7.36 min Scan# 760

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

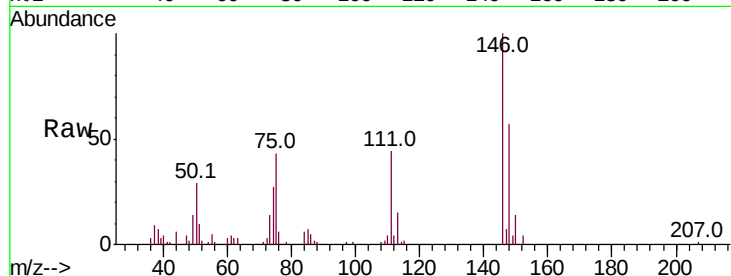
Tot Ion:146 Resp: 33267

Ion Ratio Lower Upper

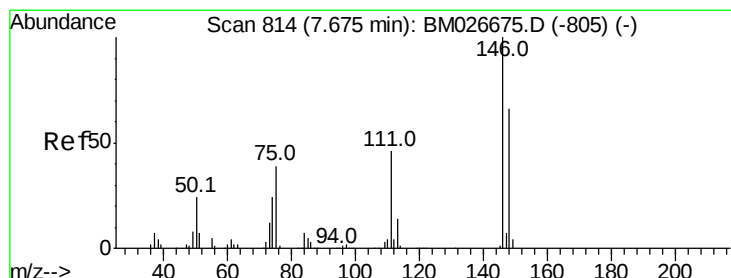
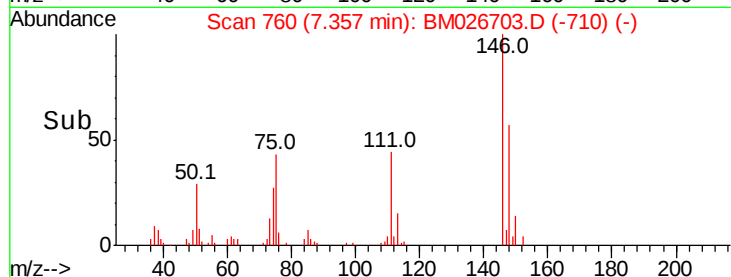
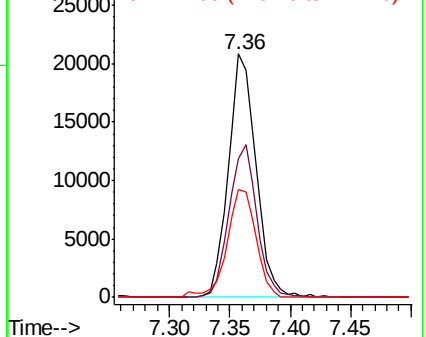
146 100

148 57.1 52.4 78.6

111 44.3 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: 8.527 ng

RT: 7.67 min Scan# 813

Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

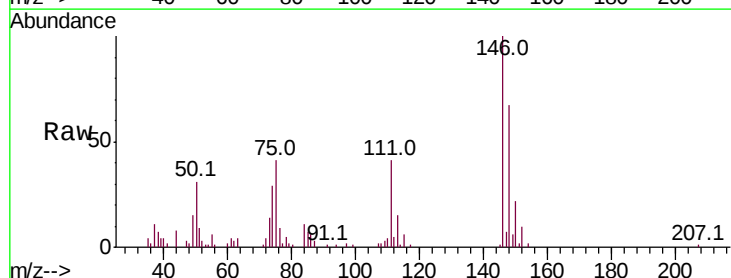
Tgt Ion:146 Resp: 32081

Ion Ratio Lower Upper

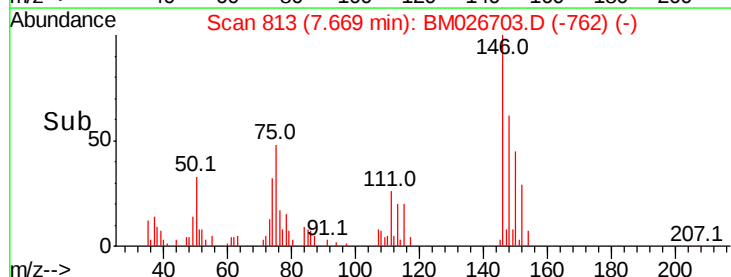
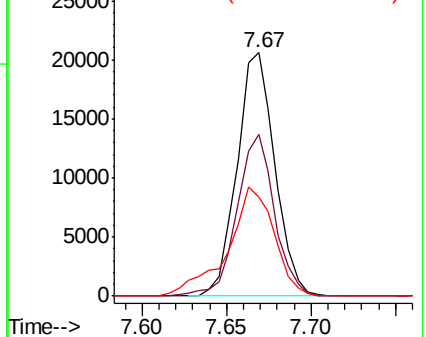
146 100

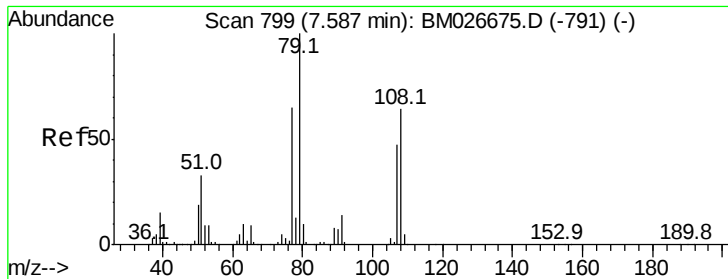
148 66.5 52.6 78.8

111 40.7 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: 6.978 ng

RT: 7.58 min Scan# 798

Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

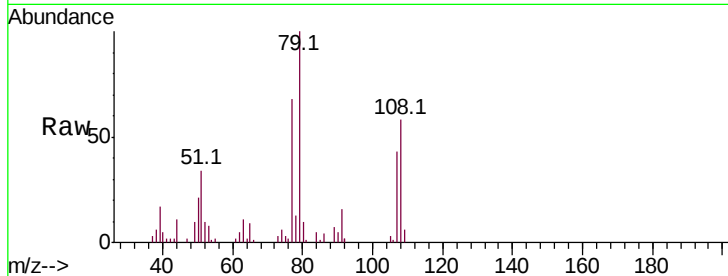
Tot Ion: 79 Resp: 27259

Ion Ratio Lower Upper

79 100

108 58.5 51.0 76.4

77 68.3 52.1 78.1

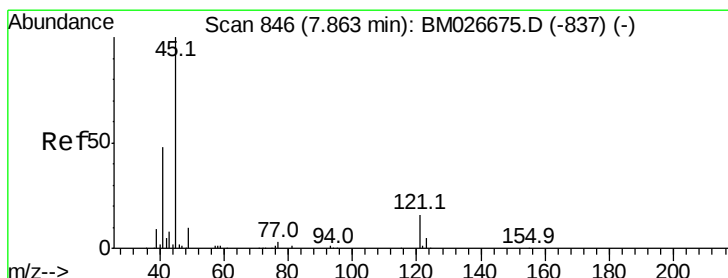
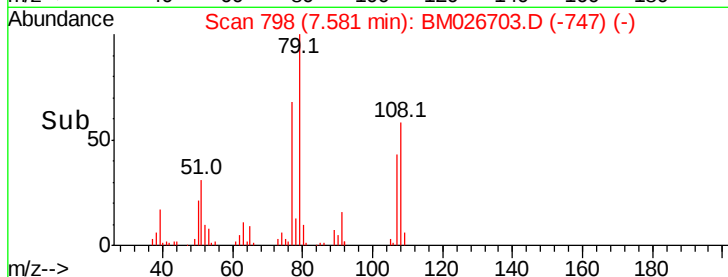


Abundance Ion 79.00 (78.70 to 79.70): BM026675.D (-791) (-)

Ion 108.00 (107.70 to 108.70): BM026675.D (-791) (-)

Ion 77.00 (76.70 to 77.70): BM026675.D (-791) (-)

Time-->



#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.952 ng

RT: 7.87 min Scan# 847

Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

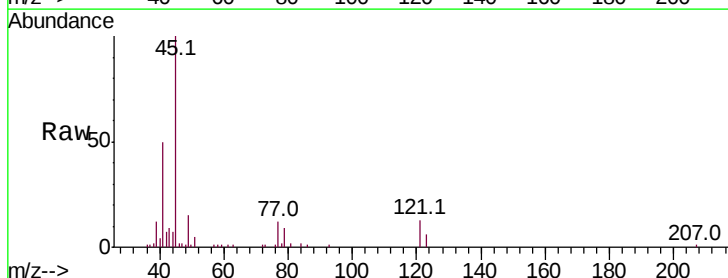
Tgt Ion: 45 Resp: 61920

Ion Ratio Lower Upper

45 100

77 12.1 0.0 31.4

79 8.6 0.0 28.4

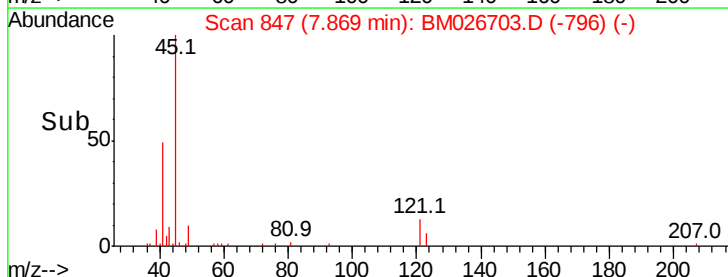


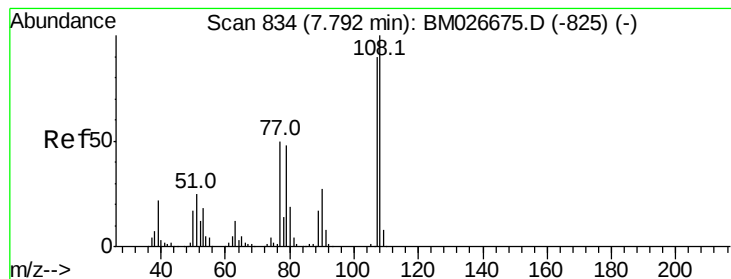
Abundance Ion 45.00 (44.70 to 45.70): BM026675.D (-837) (-)

Ion 77.00 (76.70 to 77.70): BM026675.D (-837) (-)

Ion 79.00 (78.70 to 79.70): BM026675.D (-837) (-)

Time-->

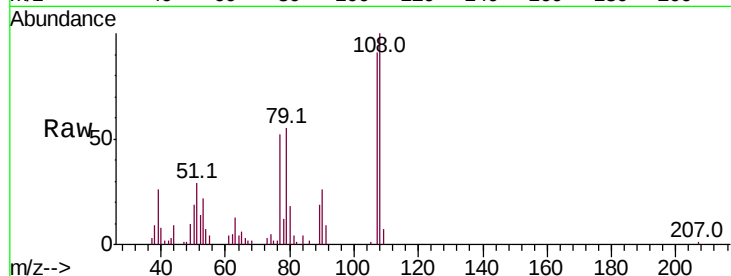




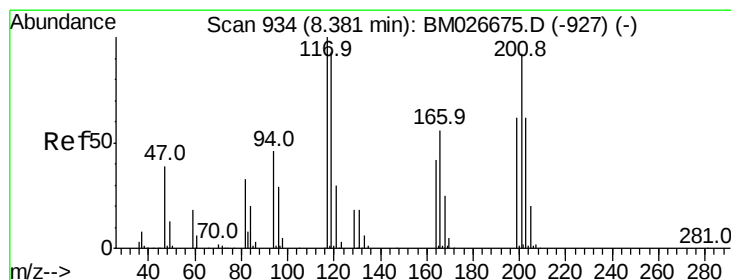
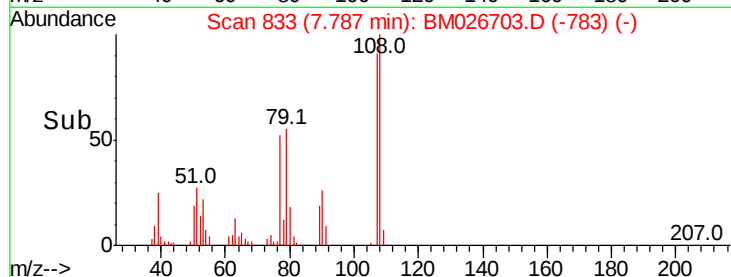
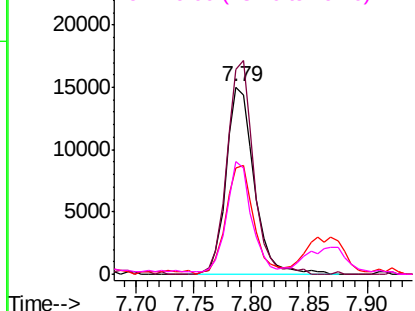
#17
2-Methylphenol
Concen: 7.341 ng
RT: 7.79 min Scan# 833
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion:107 Resp: 25172
Ion Ratio Lower Upper
107 100
108 109.8 89.4 134.0
77 56.7 45.2 67.8
79 59.9 42.8 64.2

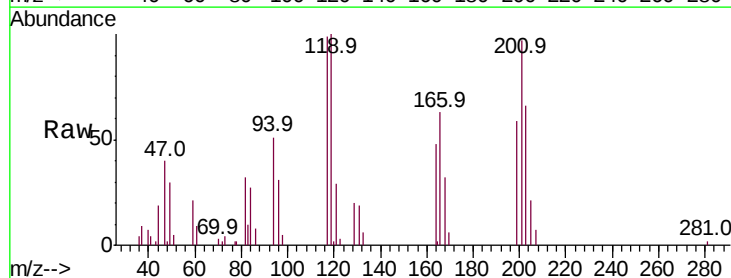


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM0
Ion 79.00 (78.70 to 79.70): BM0

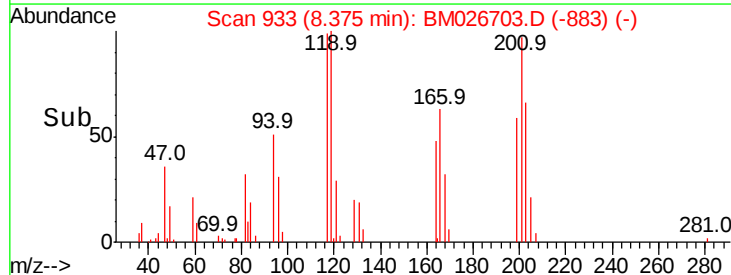
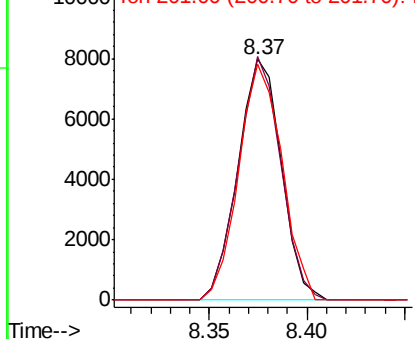


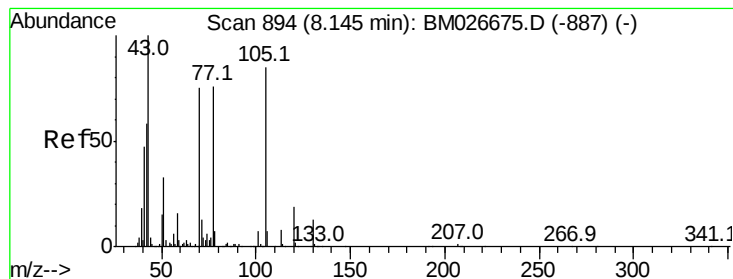
#18
Hexachloroethane
Concen: 8.196 ng
RT: 8.37 min Scan# 933
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion:117 Resp: 12293
Ion Ratio Lower Upper
117 100
119 101.2 74.2 111.2
201 98.0 73.6 110.4



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 7.380 ng

RT: 8.14 min Scan# 893

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 70 Resp: 28033

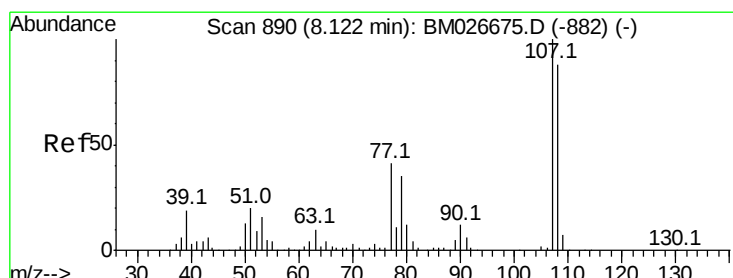
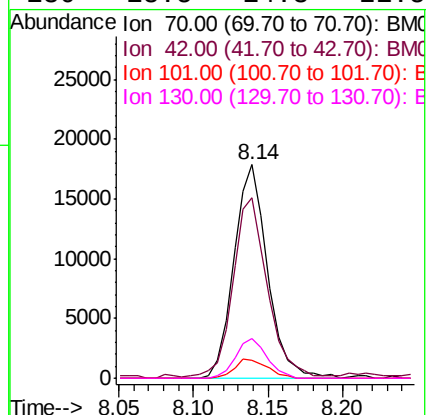
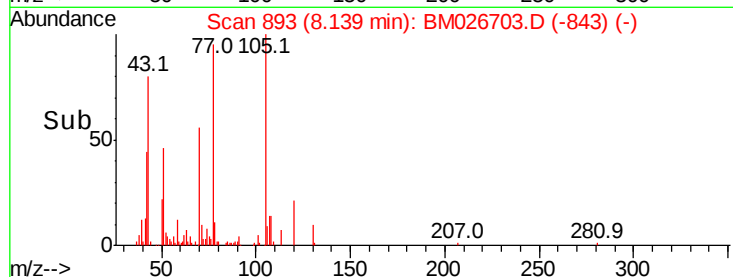
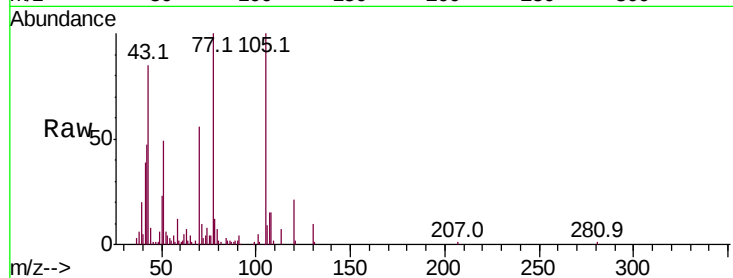
Ion Ratio Lower Upper

70 100

42 84.5 62.3 93.5

101 8.4 7.1 10.7

130 18.5 14.3 21.5



#20

3+4-Methylphenols

Concen: 7.088 ng

RT: 8.12 min Scan# 890

Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Tgt Ion: 107 Resp: 33416

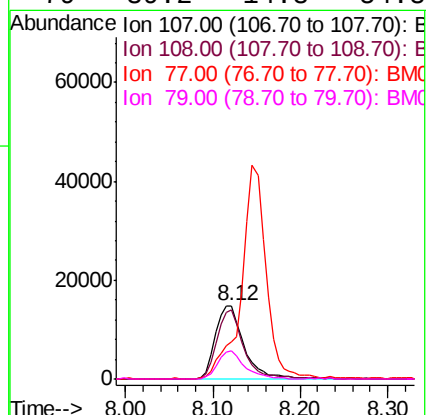
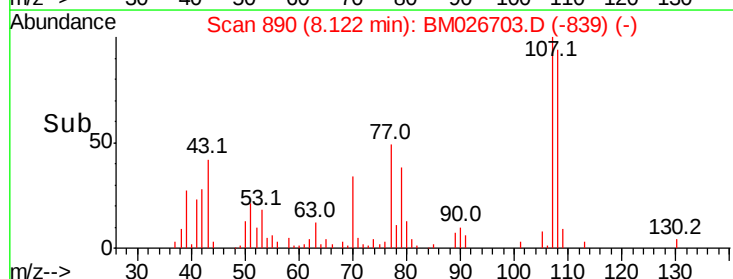
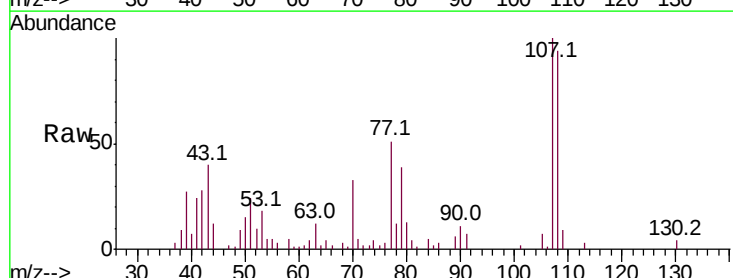
Ion Ratio Lower Upper

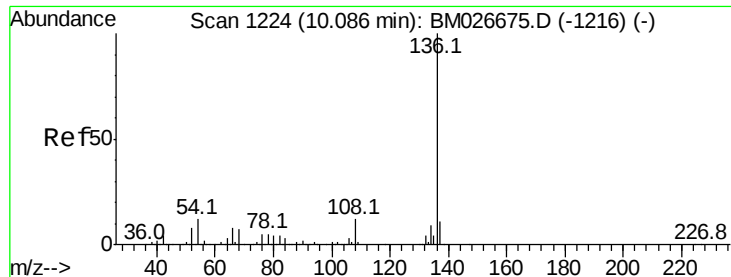
107 100

108 93.9 68.5 108.5

77 51.1 20.8 60.8

79 39.2 14.8 54.8

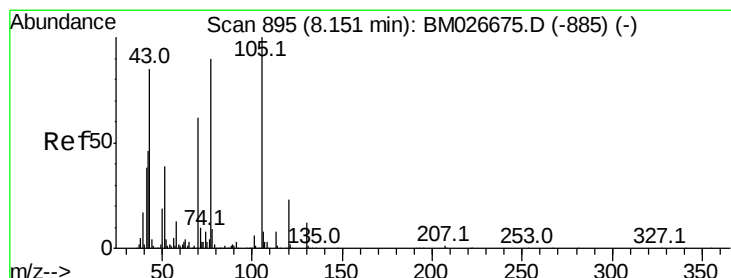
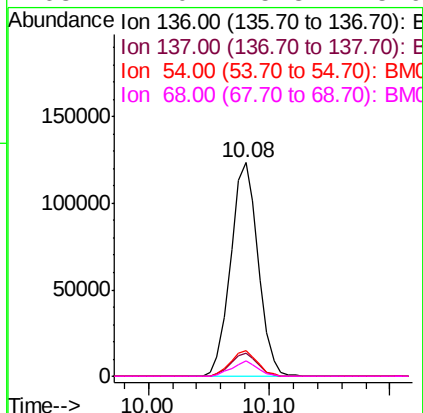
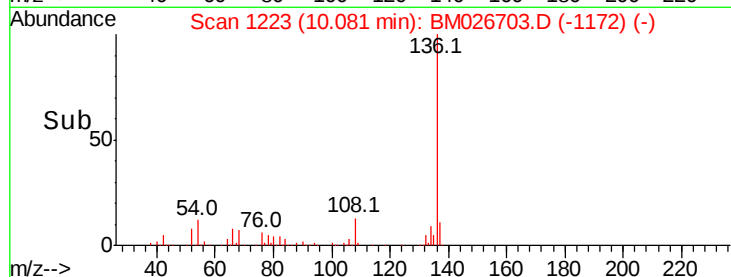
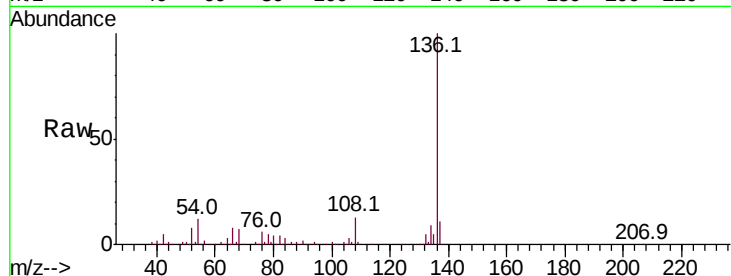




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.08 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

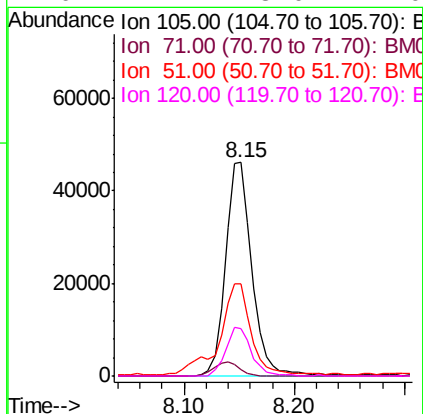
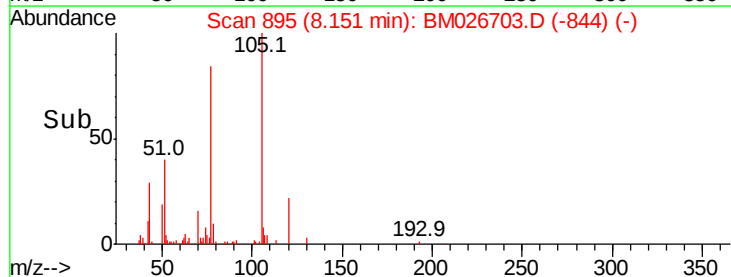
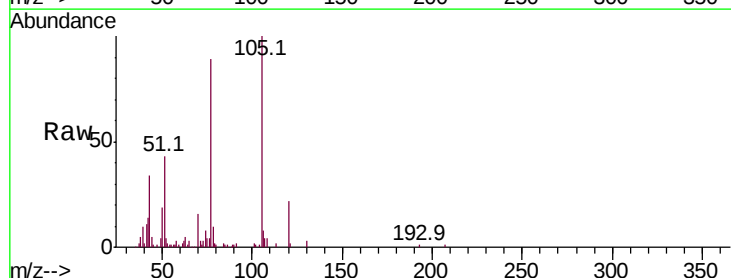
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

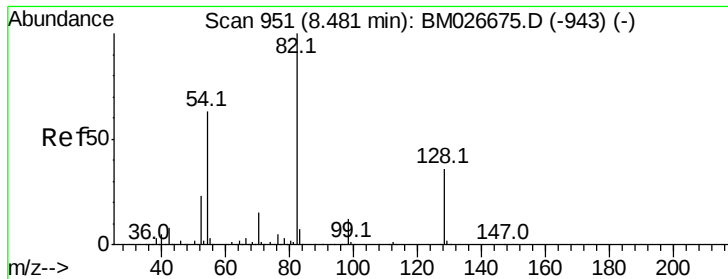
Tot Ion:136	Resp:	195751
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.6 12.8
54	11.9	9.8 14.6
68	7.0	5.8 8.6



#22
Acetophenone
Concen: 13.869 ng
RT: 8.15 min Scan# 895
Delta R.T. 0.00 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion:105	Resp:	77149
Ion Ratio	Lower	Upper
105	100	
71	2.8	8.1 12.1#
51	43.1	31.9 47.9
120	22.4	18.0 27.0

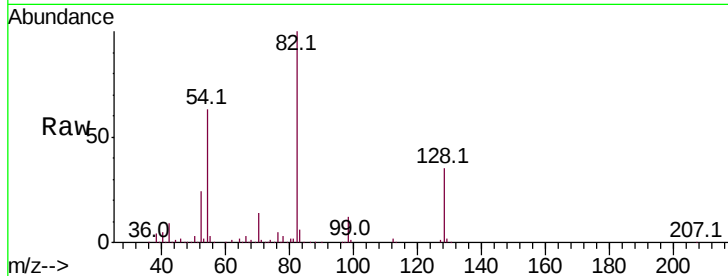




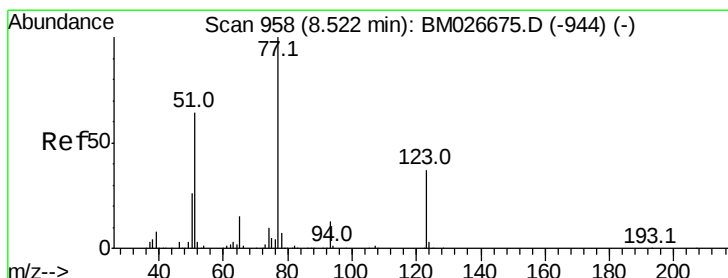
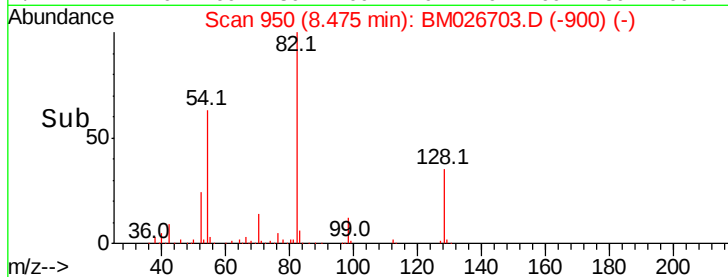
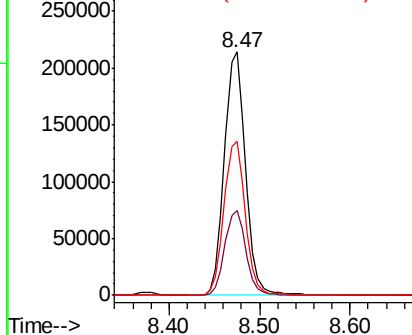
#23
Nitrobenzene-d5
Concen: 75.681 ng
RT: 8.47 min Scan# 950
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion: 82 Resp: 347247
Ion Ratio Lower Upper
82 100
128 34.7 29.1 43.7
54 63.1 50.2 75.4

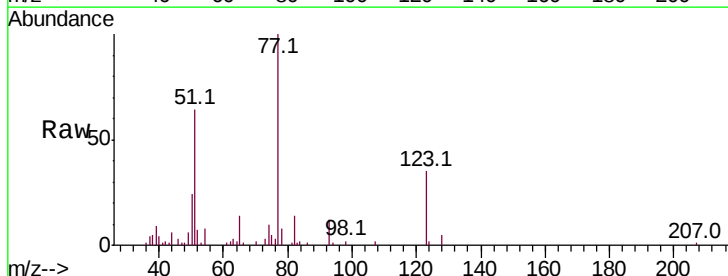


Abundance Ion 82.00 (81.70 to 82.70): BM0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM0

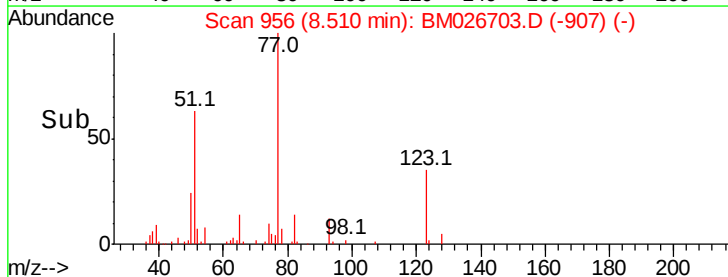
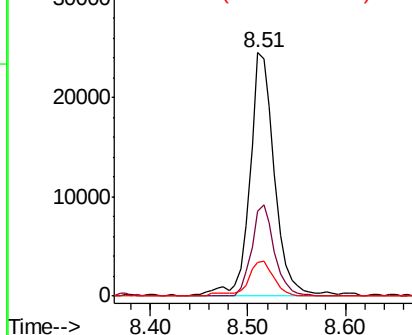


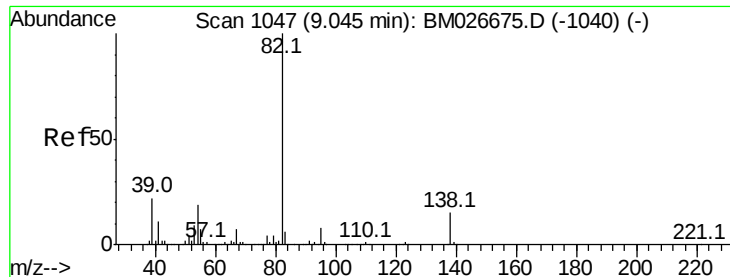
#24
Nitrobenzene
Concen: 9.061 ng
RT: 8.51 min Scan# 956
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion: 77 Resp: 43738
Ion Ratio Lower Upper
77 100
123 34.7 29.8 44.6
65 13.7 12.2 18.4



Abundance Ion 77.00 (76.70 to 77.70): BM0
Ion 123.00 (122.70 to 123.70): E
Ion 65.00 (64.70 to 65.70): BM0





#25

Isophorone

Concen: 7.917 ng

RT: 9.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

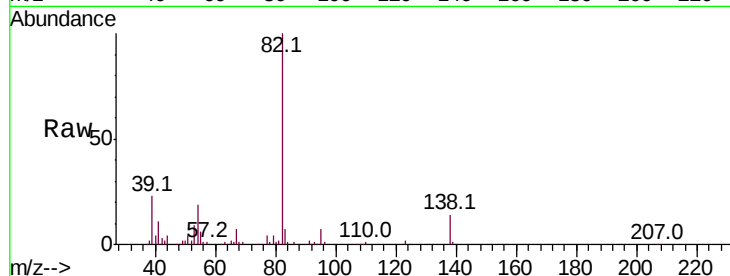
Tot Ion: 82 Resp: 69657

Ion Ratio Lower Upper

82 100

95 7.4 6.3 9.5

138 13.8 12.0 18.0



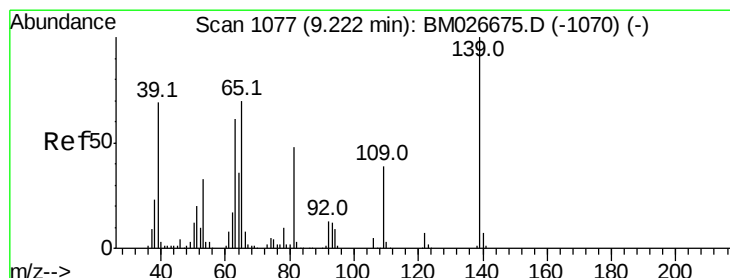
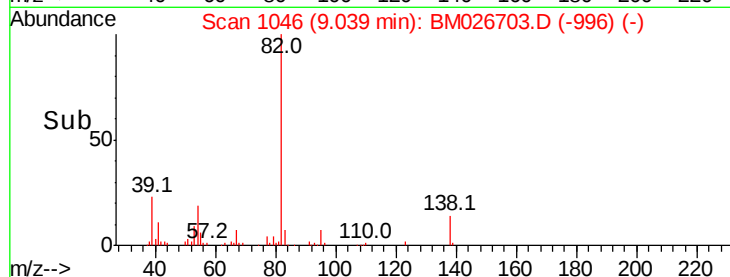
Abundance Ion 82.00 (81.70 to 82.70): BM026675.D (-1040) (-)

Ion 95.00 (94.70 to 95.70): BM026675.D (-1040) (-)

Ion 138.00 (137.70 to 138.70): BM026675.D (-1040) (-)

9.04

Time--> 8.95 9.00 9.05 9.10



#26

2-Nitrophenol

Concen: 7.509 ng

RT: 9.22 min Scan# 1077

Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

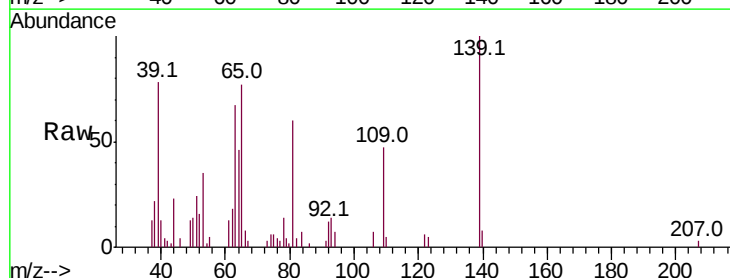
Tgt Ion: 139 Resp: 13377

Ion Ratio Lower Upper

139 100

109 46.7 30.8 46.2#

65 76.8 56.2 84.4



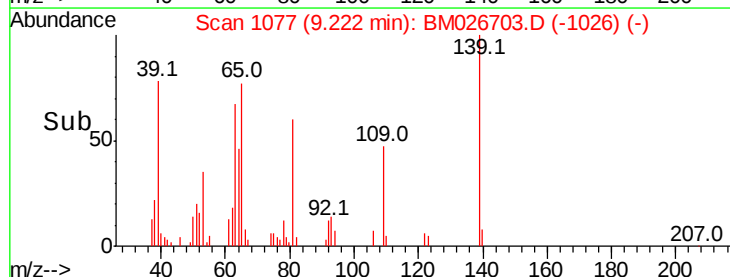
Abundance Ion 139.00 (138.70 to 139.70): BM026675.D (-1070) (-)

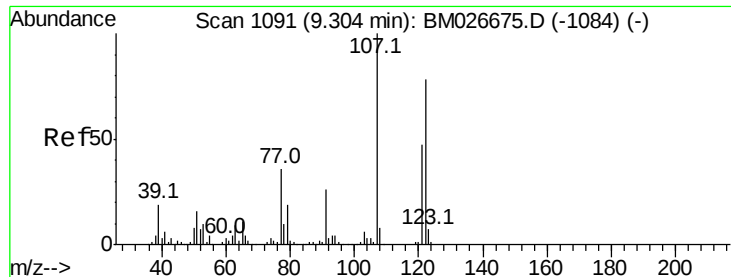
Ion 109.00 (108.70 to 109.70): BM026675.D (-1070) (-)

Ion 65.00 (64.70 to 65.70): BM026675.D (-1070) (-)

9.22

Time--> 9.15 9.20 9.25 9.30

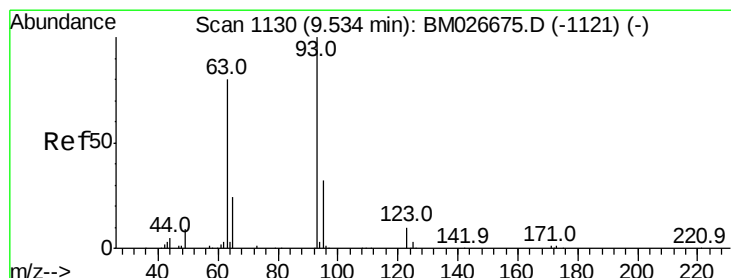
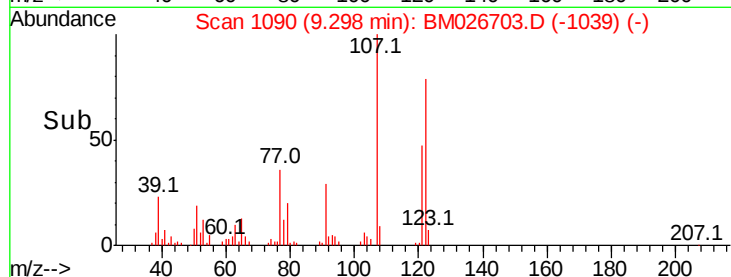
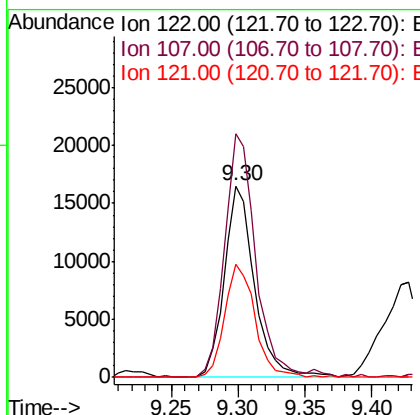
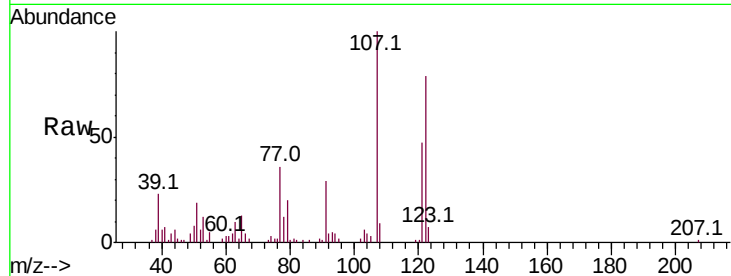




#27
 2,4-Dimethylphenol
 Concen: 9.037 ng
 RT: 9.30 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

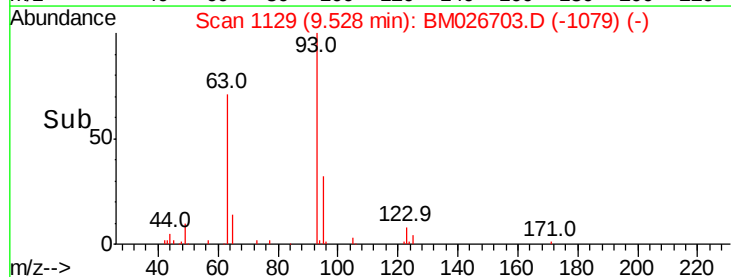
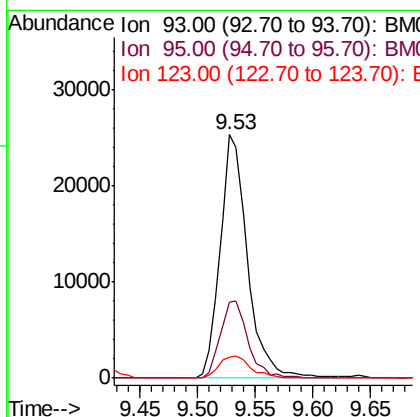
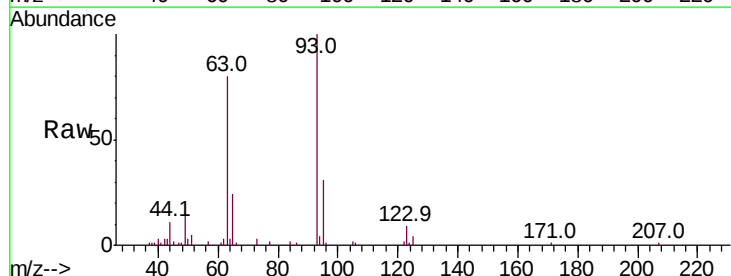
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

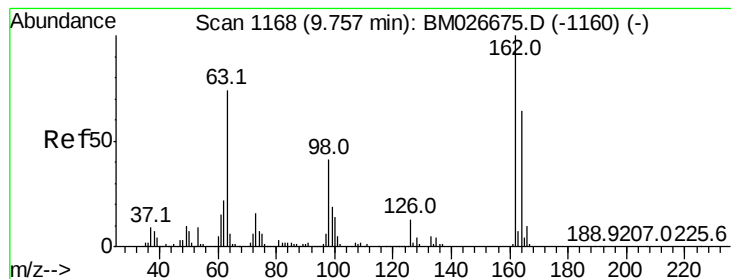
Tot Ion:122 Resp: 26181
 Ion Ratio Lower Upper
 122 100
 107 127.2 102.1 153.1
 121 59.4 48.2 72.2



#28
 bis(2-Chloroethoxy)methane
 Concen: 8.546 ng
 RT: 9.53 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

Tgt Ion: 93 Resp: 41538
 Ion Ratio Lower Upper
 93 100
 95 31.0 25.7 38.5
 123 8.6 8.7 13.1#





#29

2,4-Dichlorophenol

Concen: 7.715 ng

RT: 9.76 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

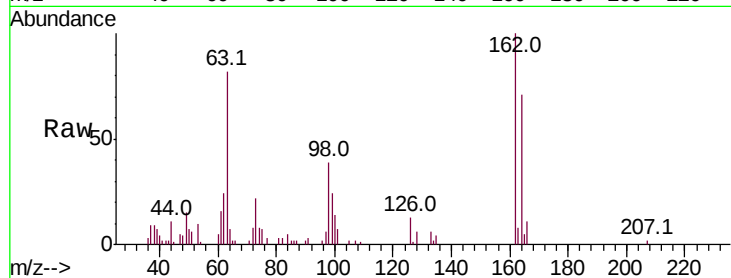
Tot Ion:162 Resp: 24615

Ion Ratio Lower Upper

162 100

164 70.8 44.3 84.3

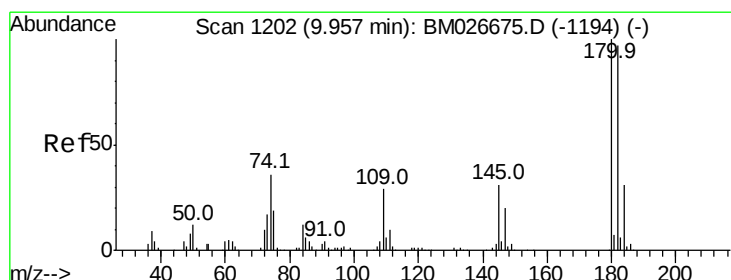
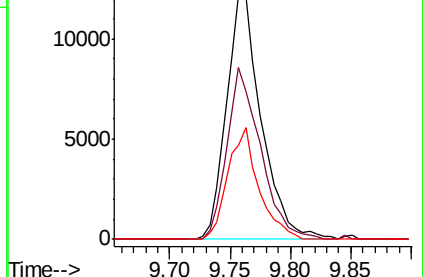
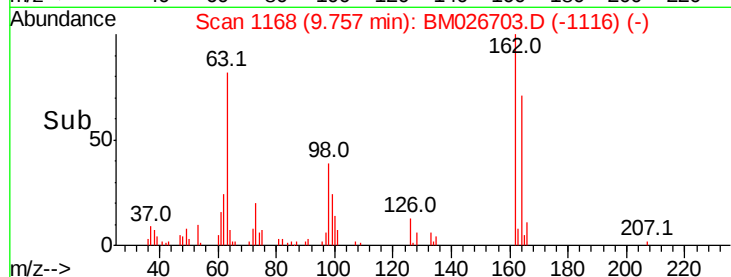
98 38.8 21.0 61.0



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: 8.609 ng

RT: 9.95 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

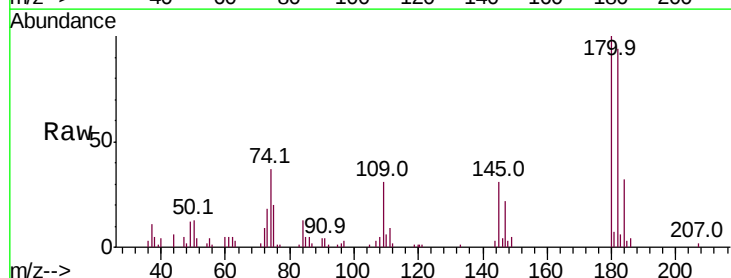
Tgt Ion:180 Resp: 30640

Ion Ratio Lower Upper

180 100

182 94.5 77.8 116.6

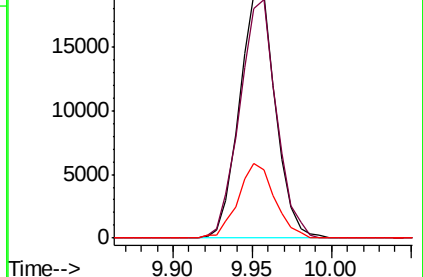
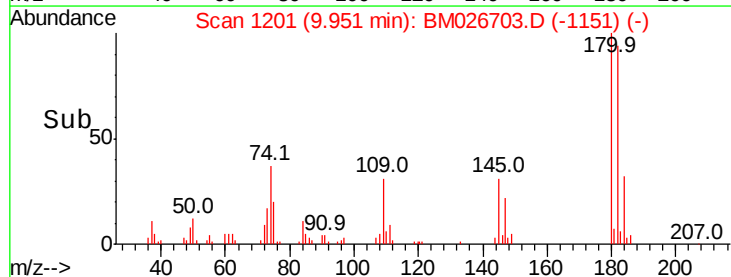
145 30.7 25.0 37.6

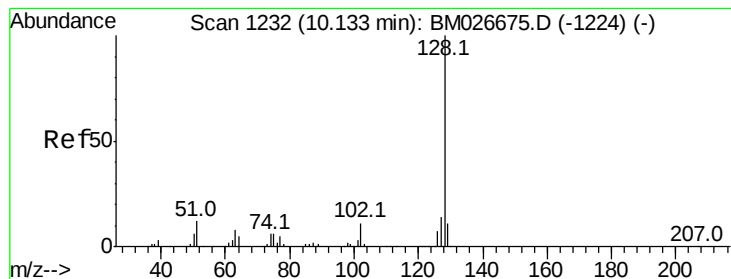


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 8.862 ng

RT: 10.13 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

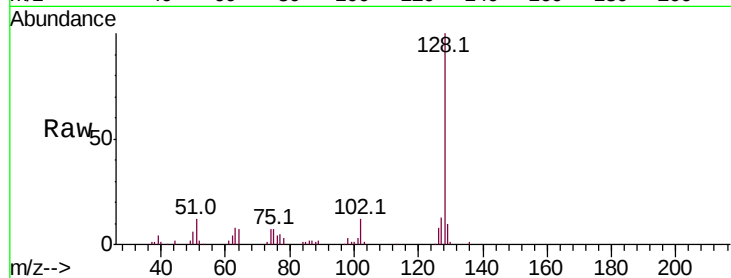
Tot Ion:128 Resp: 96481

Ion Ratio Lower Upper

128 100

129 10.1 8.8 13.2

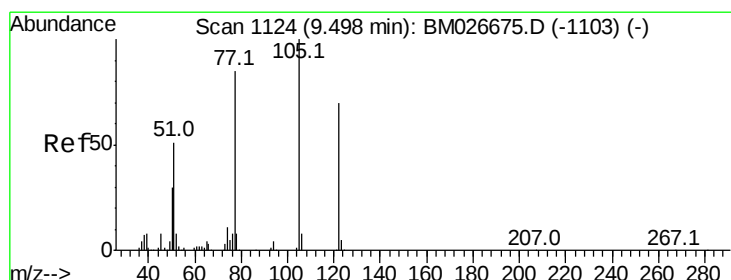
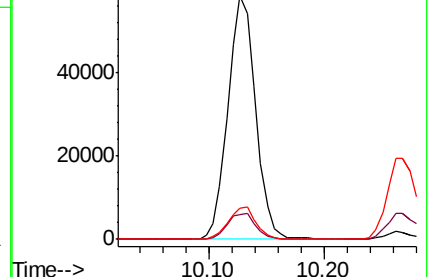
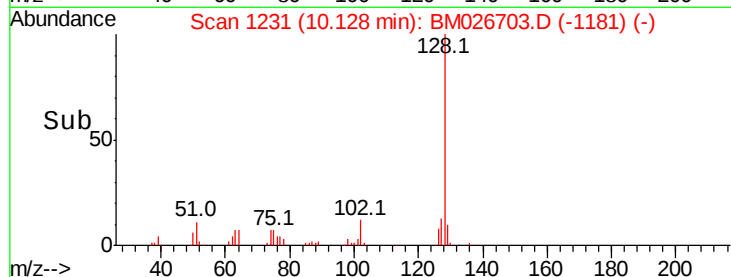
127 12.6 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 7.784 ng

RT: 9.43 min Scan# 1112

Delta R.T. -0.06 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

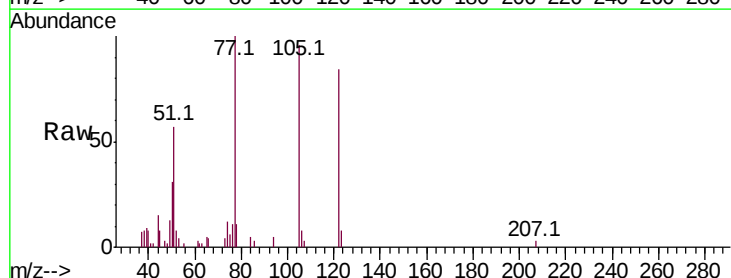
Tgt Ion:122 Resp: 17113

Ion Ratio Lower Upper

122 100

105 114.5 120.9 160.9#

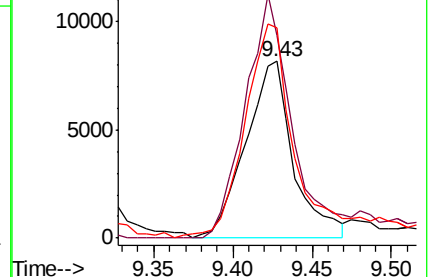
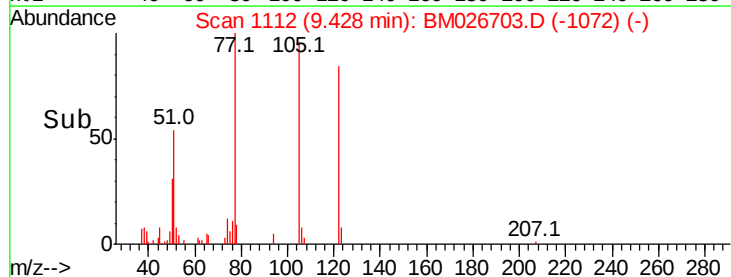
77 119.1 100.0 140.0

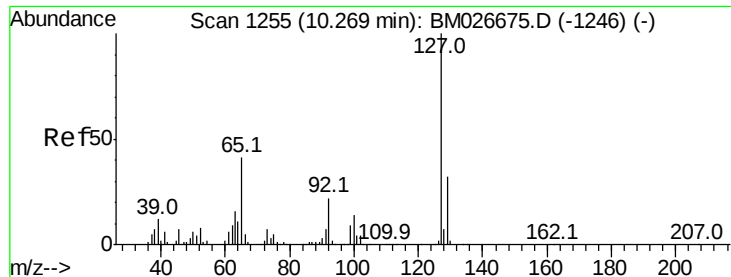


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

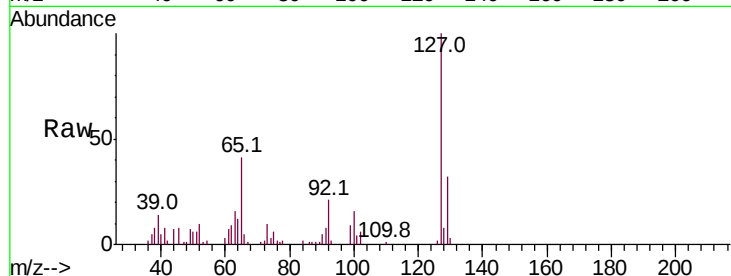




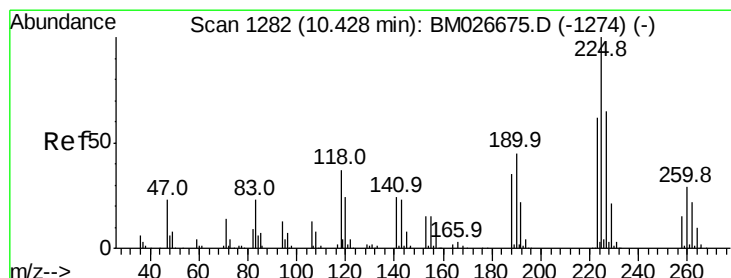
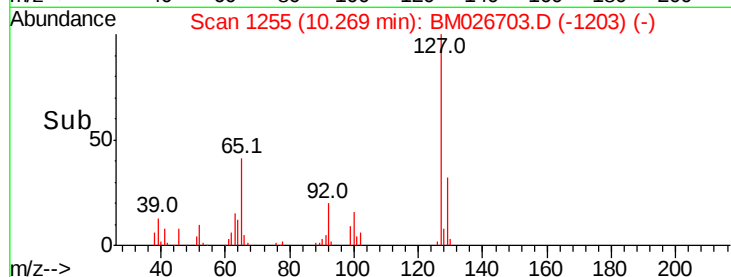
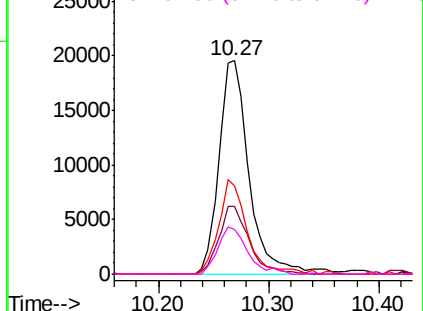
#33
4-Chloroaniline
Concen: 7.873 ng
RT: 10.27 min Scan# 1255
Delta R.T. 0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion:	127	Resp:	37496
Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.8	38.6
65	41.3	32.5	48.7
92	20.9	17.8	26.8

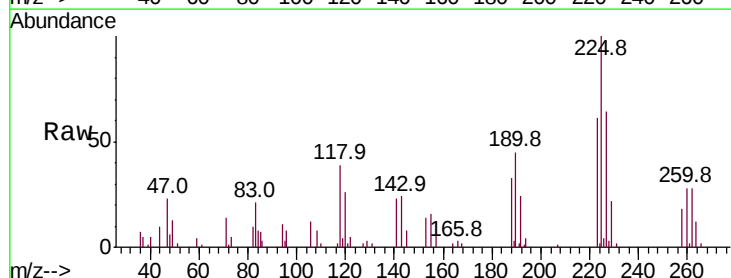


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

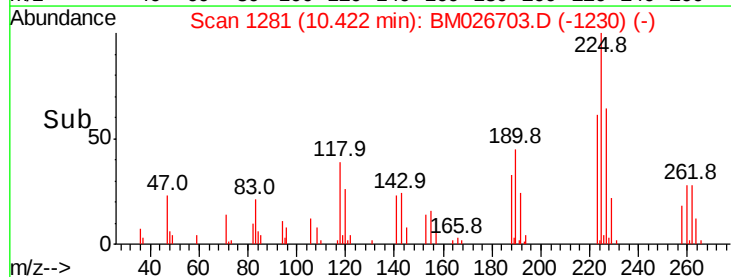
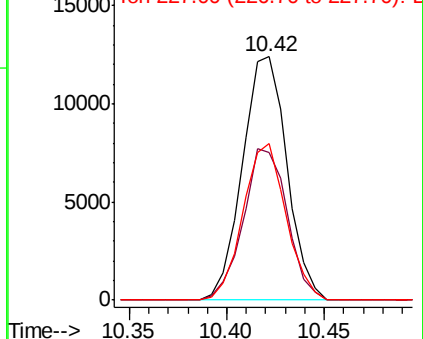


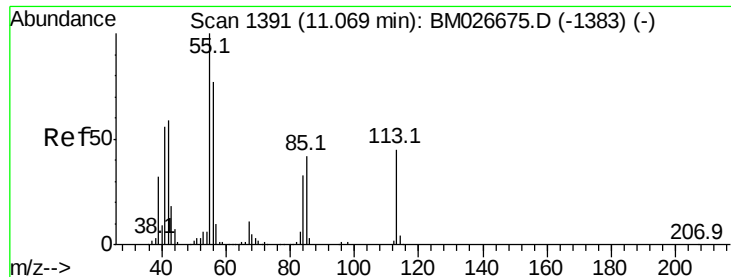
#34
Hexachlorobutadiene
Concen: 8.313 ng
RT: 10.42 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion:	225	Resp:	19596
Ion	Ratio	Lower	Upper
225	100		
223	60.7	49.8	74.8
227	67.2	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: 7.718 ng

RT: 11.05 min Scan# 1387

Delta R.T. -0.02 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

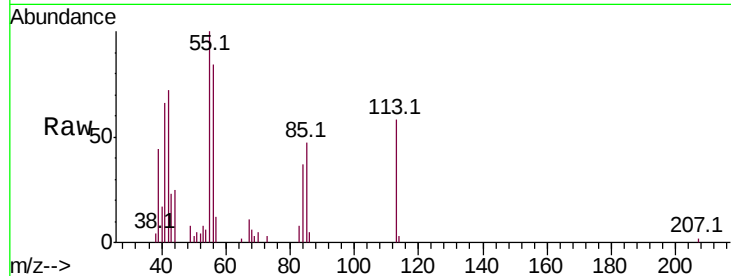
Tot Ion:113 Resp: 8722

Ion Ratio Lower Upper

113 100

55 170.9 203.5 243.5#

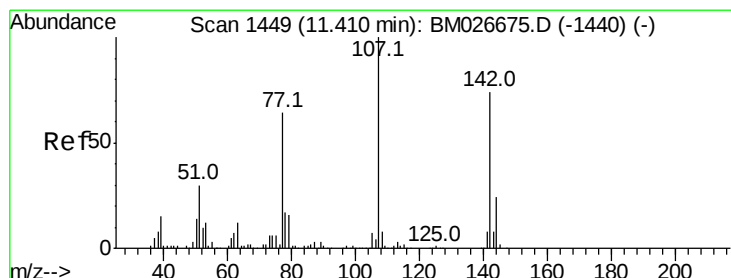
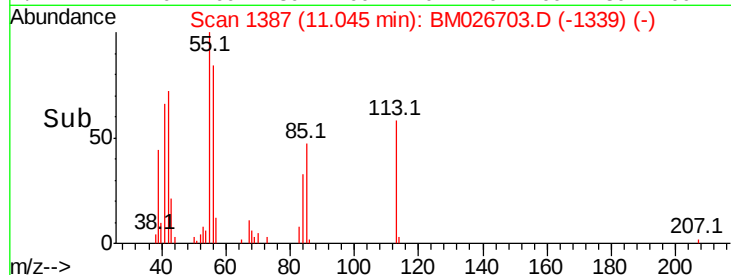
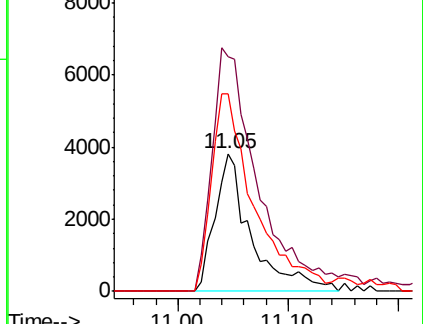
56 144.0 151.6 191.6#



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: 7.834 ng

RT: 11.41 min Scan# 1449

Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

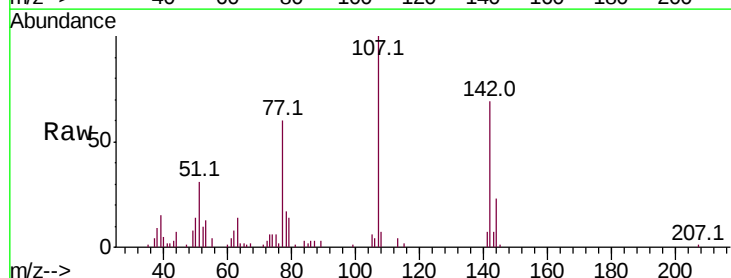
Tgt Ion:107 Resp: 31589

Ion Ratio Lower Upper

107 100

144 23.3 18.9 28.3

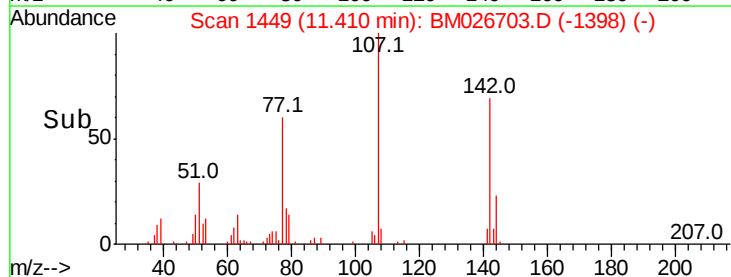
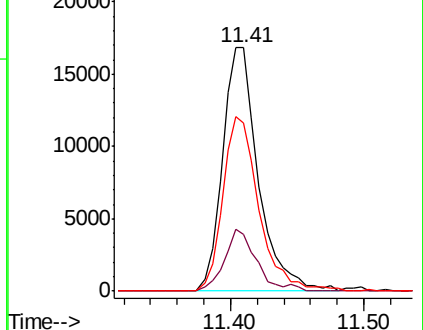
142 69.1 59.0 88.4

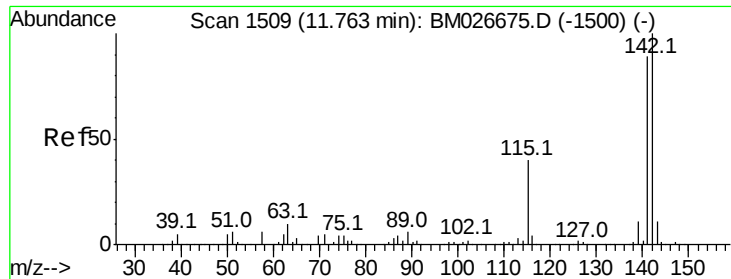


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

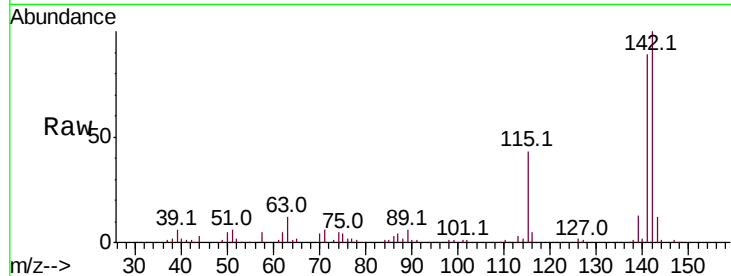




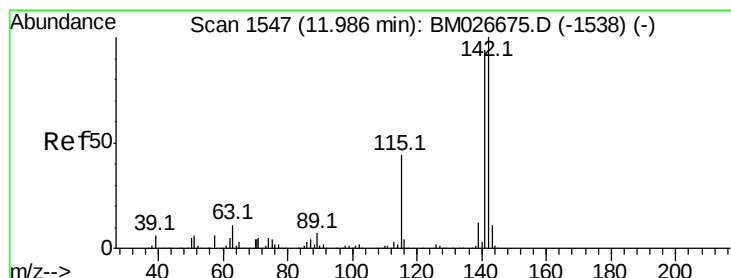
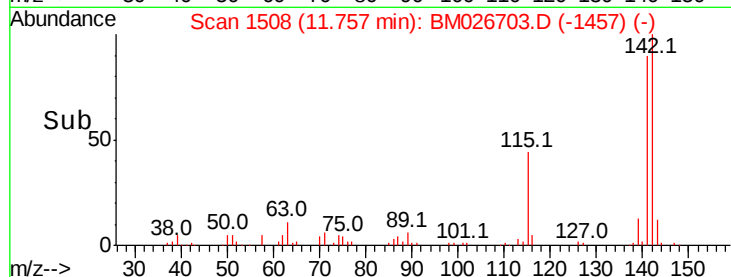
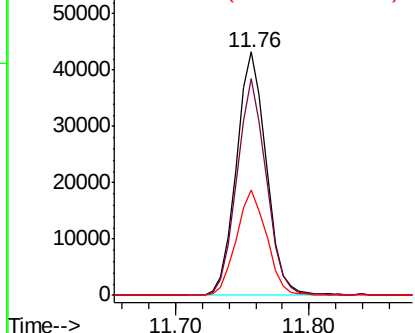
#37
 2-Methylnaphthalene
 Concen: 8.322 ng
 RT: 11.76 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

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

Tot Ion:142 Resp: 67120
 Ion Ratio Lower Upper
 142 100
 141 89.1 71.4 107.0
 115 43.5 32.1 48.1

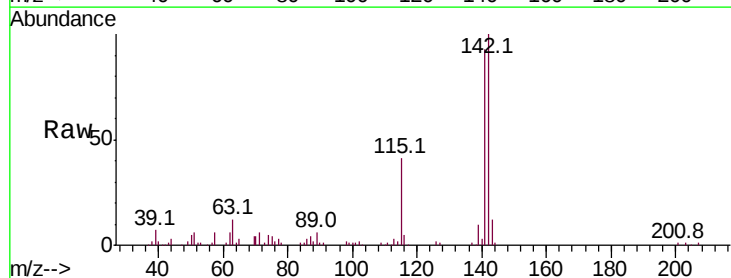


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

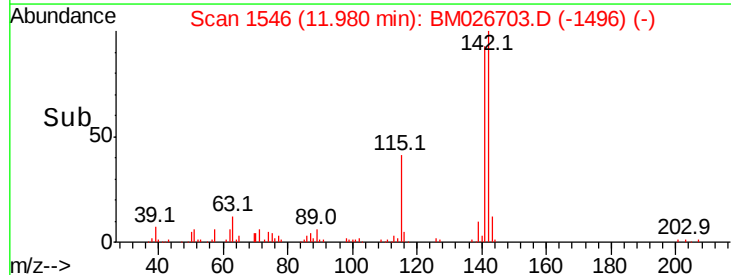
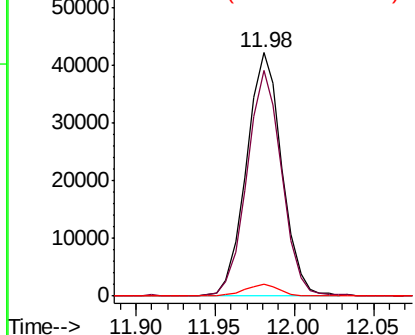


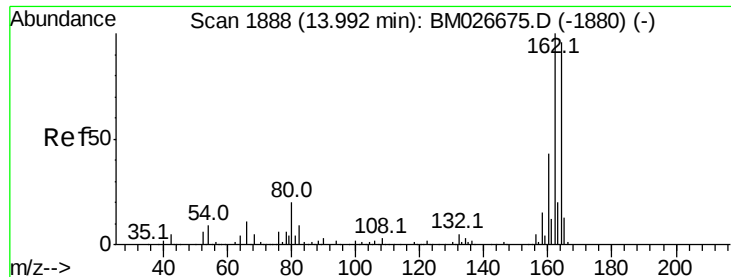
#38
 1-Methylnaphthalene
 Concen: 8.493 ng
 RT: 11.98 min Scan# 1546
 Delta R.T. -0.01 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

Tgt Ion:142 Resp: 65625
 Ion Ratio Lower Upper
 142 100
 141 92.7 75.0 112.6
 116 5.1 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: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

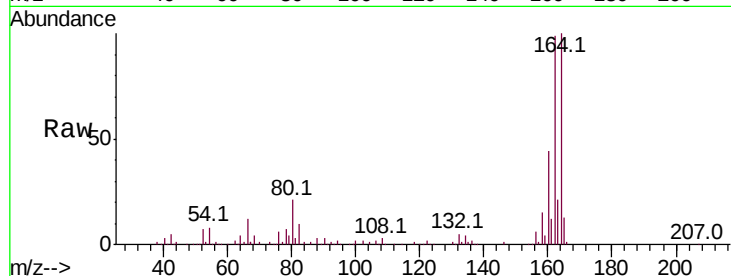
Tot Ion:164 Resp: 130234

Ion Ratio Lower Upper

164 100

162 98.7 83.7 125.5

160 44.2 36.2 54.2

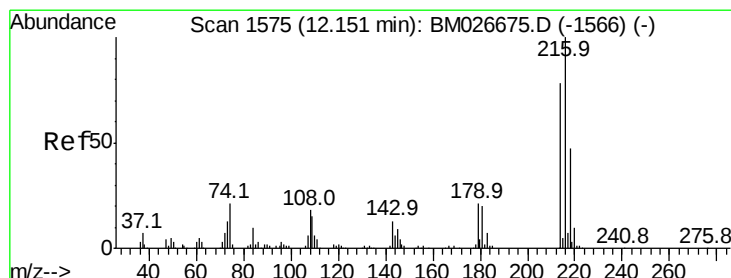
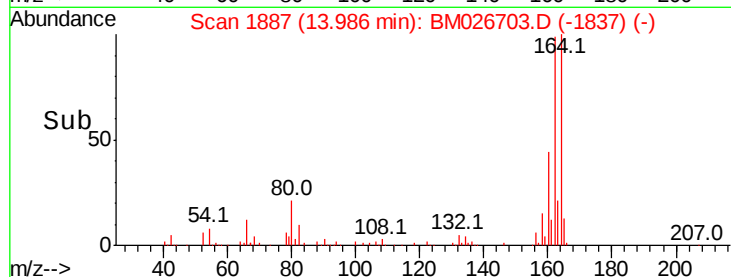
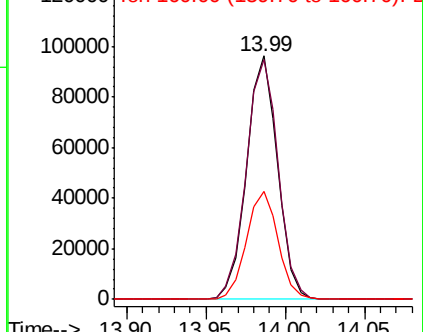


Abundance

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: 14.376 ng

RT: 12.14 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Tgt Ion:216 Resp: 60523

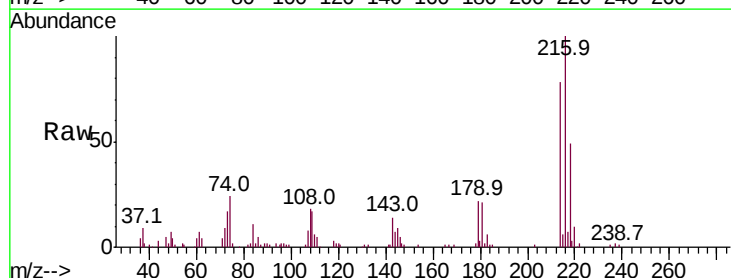
Ion Ratio Lower Upper

216 100

214 77.7 62.6 93.8

179 22.4 17.5 26.3

108 19.0 16.7 25.1



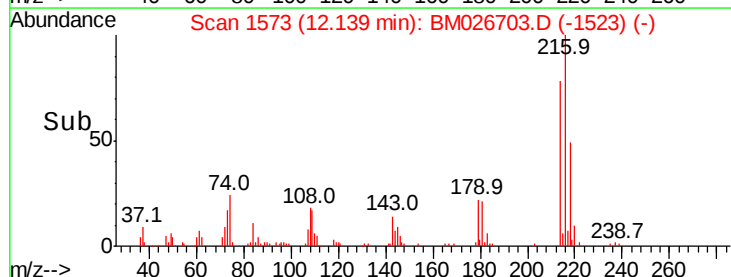
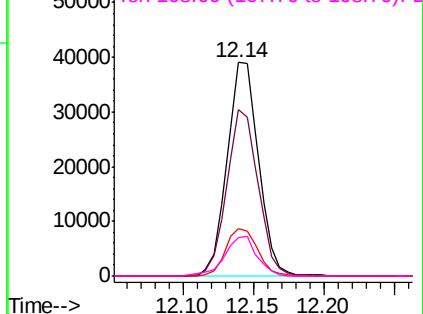
Abundance

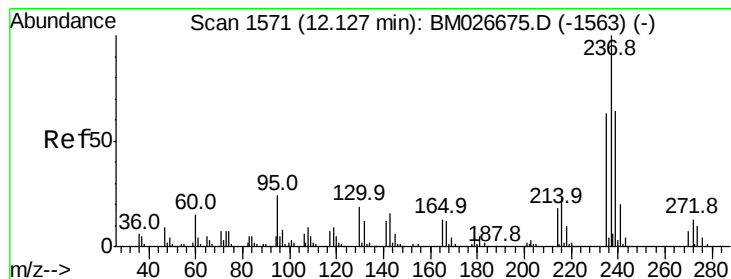
Ion 216.00 (215.70 to 216.70): E

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: 6.143 ng

RT: 12.12 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

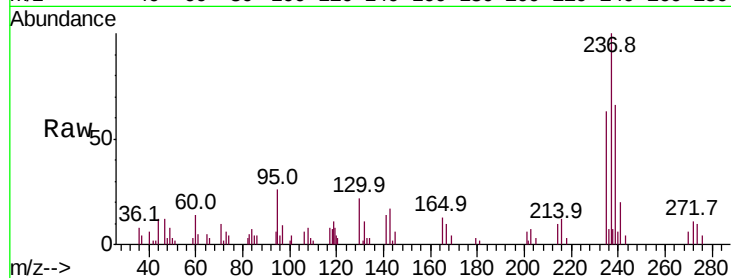
Tot Ion:237 Resp: 12341

Ion Ratio Lower Upper

237 100

235 63.2 42.8 82.8

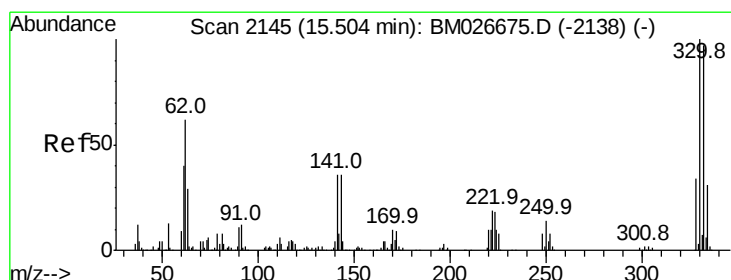
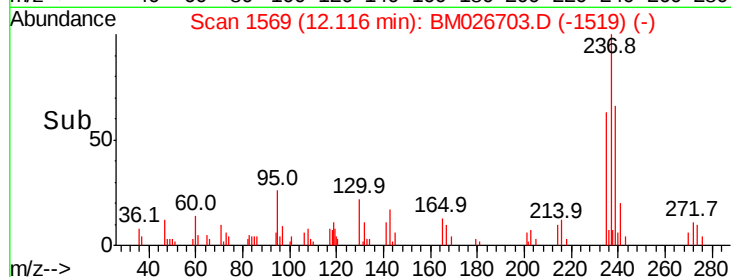
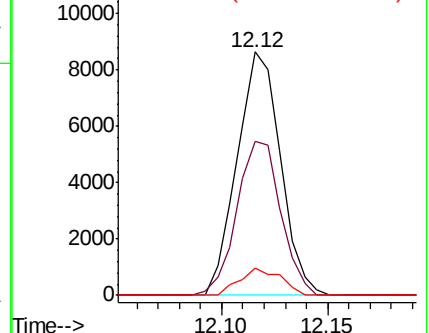
272 11.0 0.0 32.8



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: 100.985 ng

RT: 15.49 min Scan# 2143

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

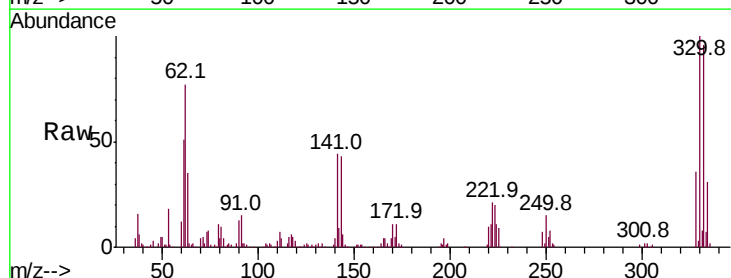
Tgt Ion:330 Resp: 191579

Ion Ratio Lower Upper

330 100

332 95.5 77.5 116.3

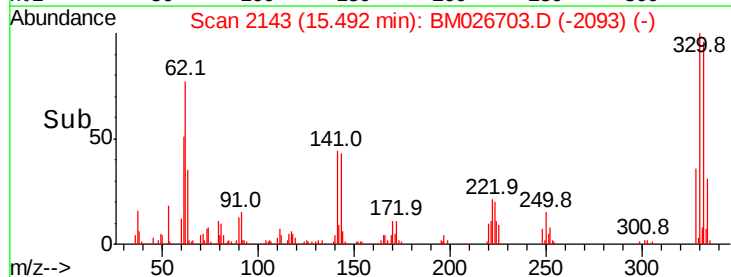
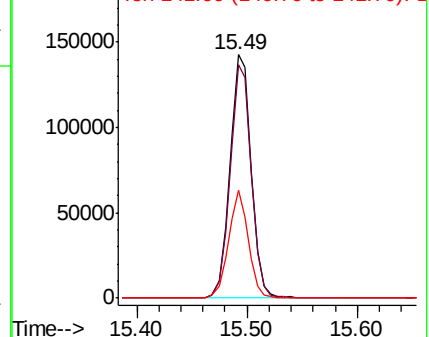
141 41.4 32.4 48.6

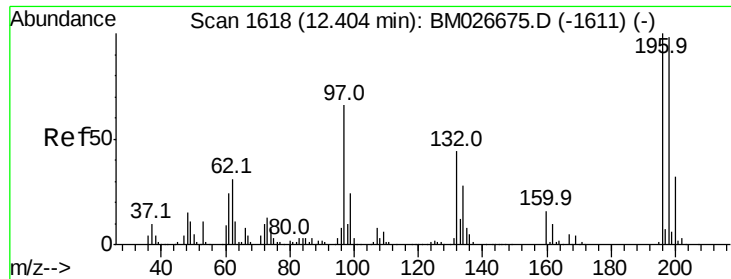


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

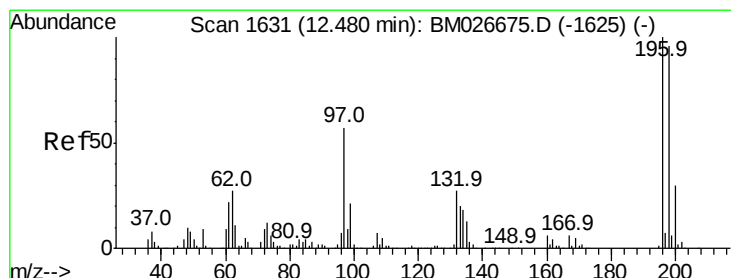
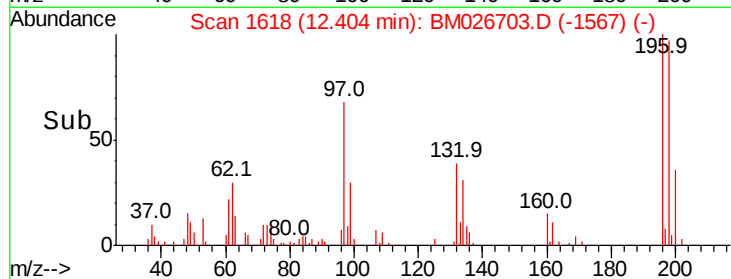
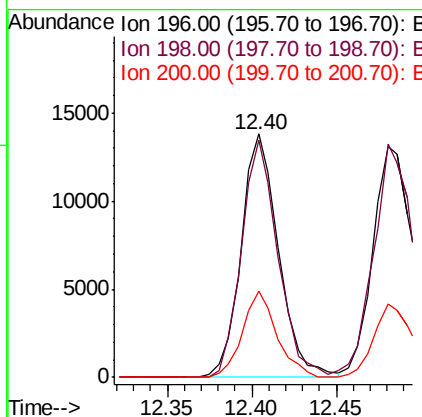
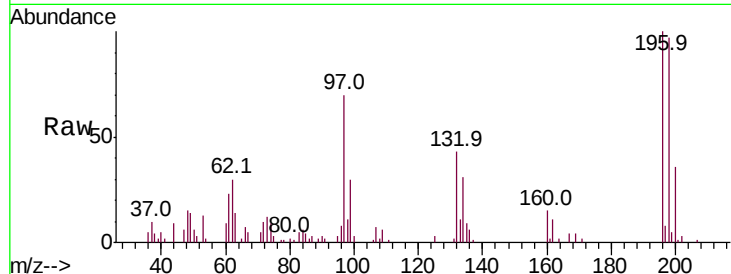




#43
 2,4,6-Trichlorophenol
 Concen: 7.735 ng
 RT: 12.40 min Scan# 1618
 Delta R.T. 0.00 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

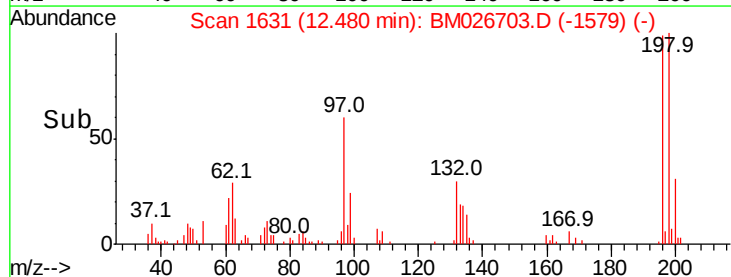
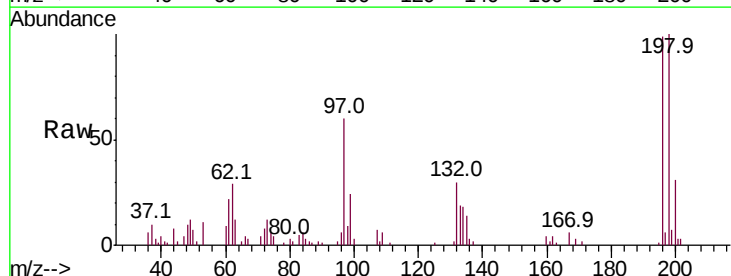
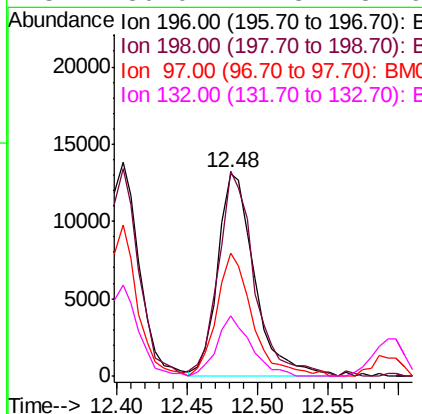
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

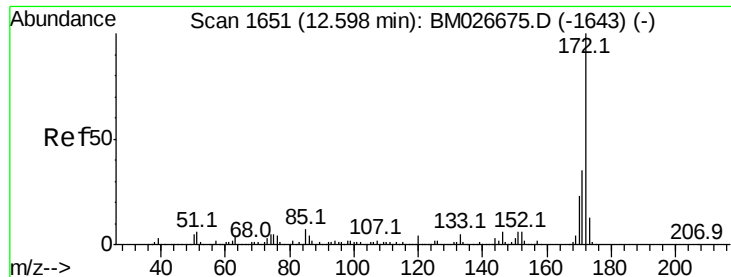
Tot Ion:196 Resp: 21331
 Ion Ratio Lower Upper
 196 100
 198 97.3 78.6 118.0
 200 35.5 25.3 37.9



#44
 2,4,5-Trichlorophenol
 Concen: 7.329 ng
 RT: 12.48 min Scan# 1631
 Delta R.T. 0.01 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

Tgt Ion:196 Resp: 23752
 Ion Ratio Lower Upper
 196 100
 198 101.0 77.0 115.6
 97 60.7 45.7 68.5
 132 30.0 21.8 32.6

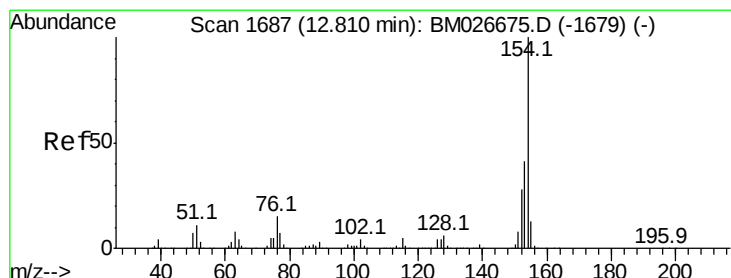
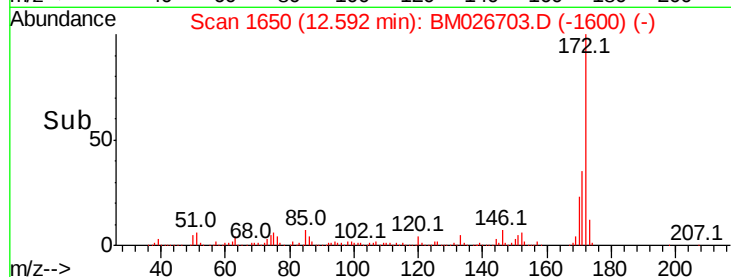
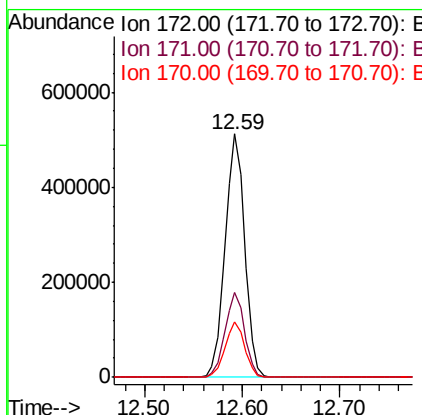
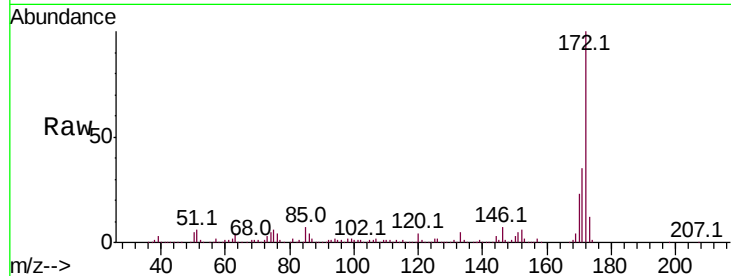




#45
2-Fluorobiphenyl
Concen: 72.663 ng
RT: 12.59 min Scan# 1650
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

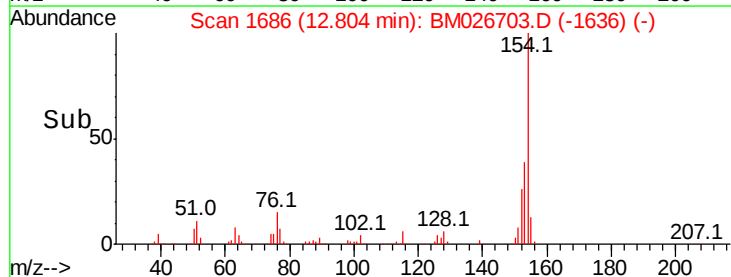
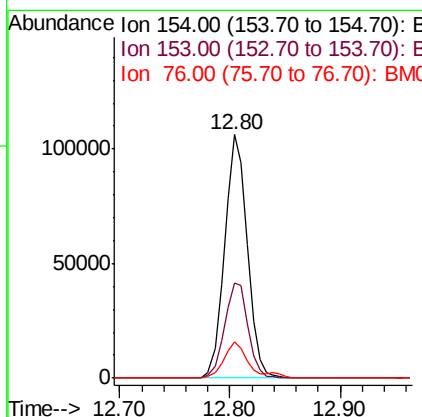
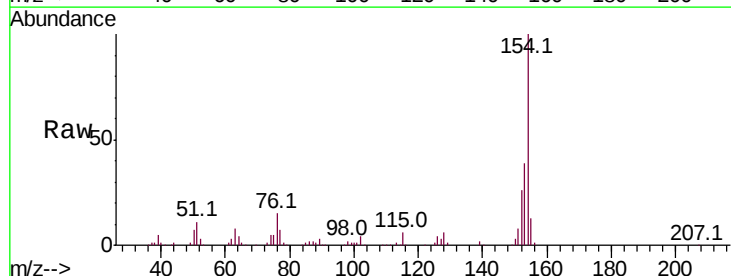
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

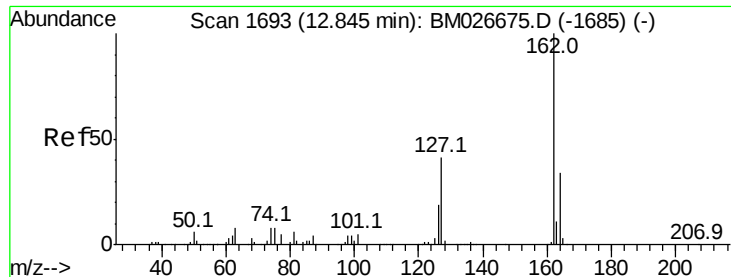
Tot Ion:172 Resp: 711720
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 22.7 18.5 27.7



#46
1,1'-Biphenyl
Concen: 14.824 ng
RT: 12.80 min Scan# 1686
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion:154 Resp: 152493
Ion Ratio Lower Upper
154 100
153 39.1 20.9 60.9
76 14.8 0.0 35.2

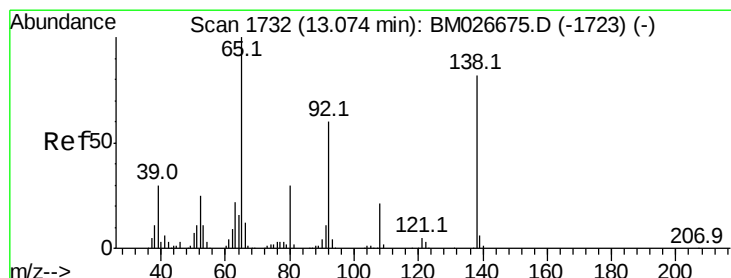
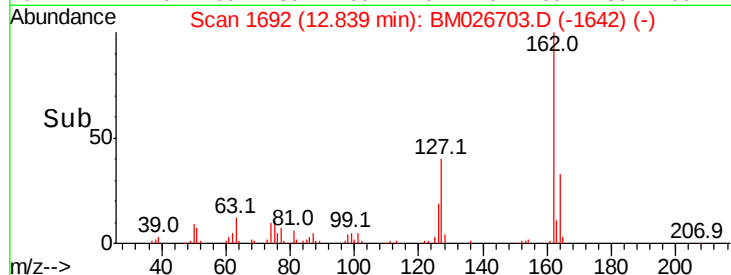
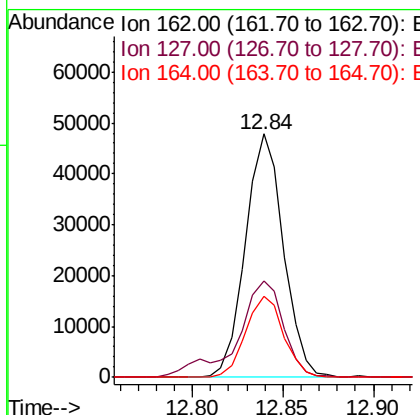
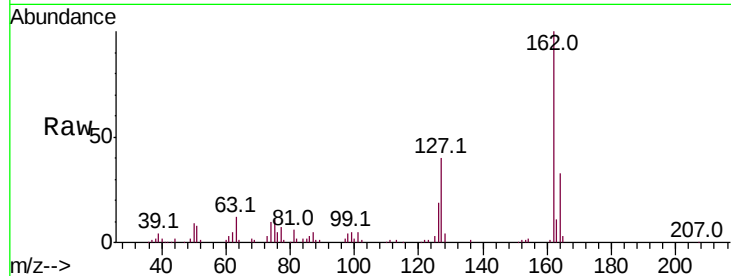




#47
 2-Chloronaphthalene
 Concen: 8.412 ng
 RT: 12.84 min Scan# 1692
 Delta R.T. -0.01 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

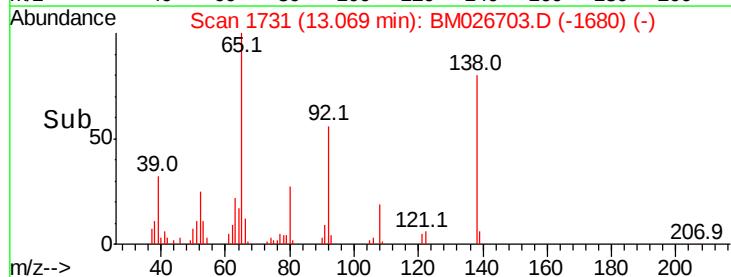
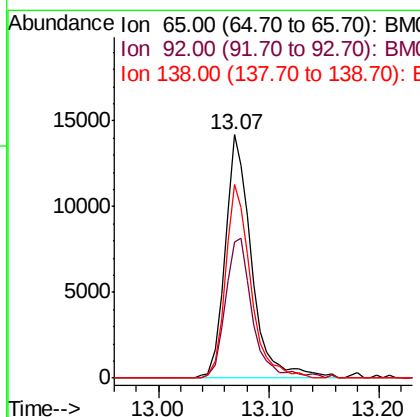
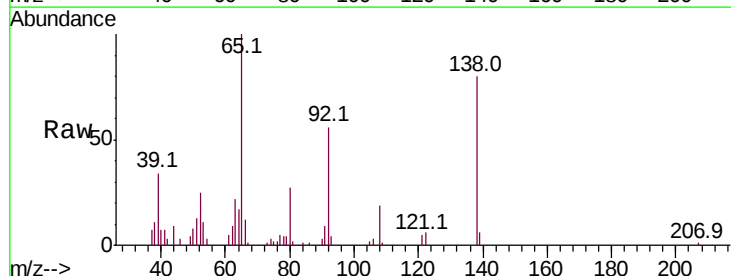
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

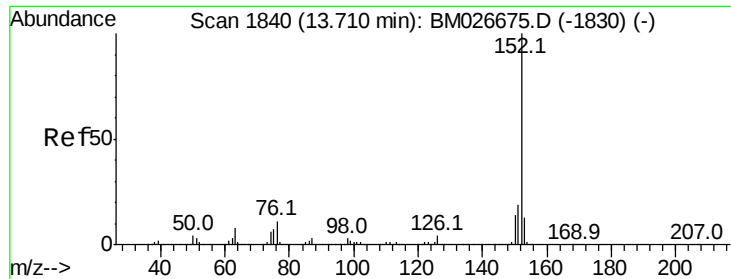
Tot Ion	Ratio	Lower	Upper
162	100		
127	39.8	34.0	51.0
164	33.1	26.9	40.3



#48
 2-Nitroaniline
 Concen: 6.959 ng
 RT: 13.07 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
65	100		
92	55.7	47.8	71.8
138	79.8	65.6	98.4





#49

Acenaphthylene

Concen: 8.283 ng

RT: 13.70 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

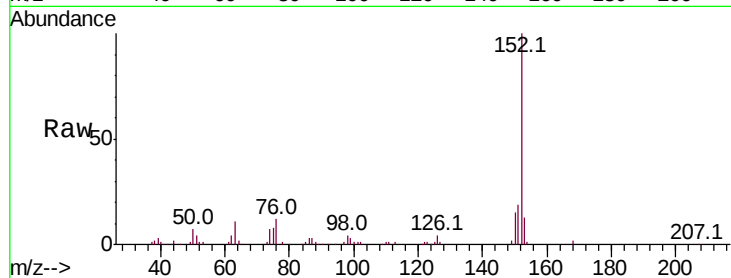
Tot Ion:152 Resp: 110035

Ion Ratio Lower Upper

152 100

151 19.5 15.6 23.4

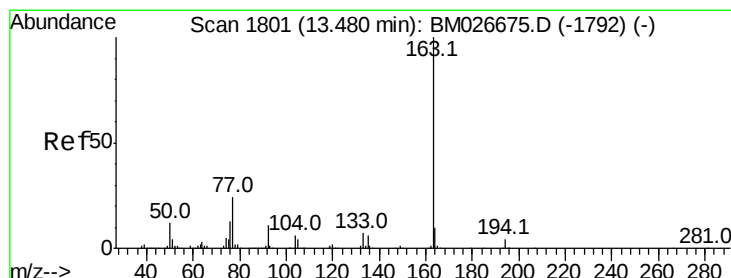
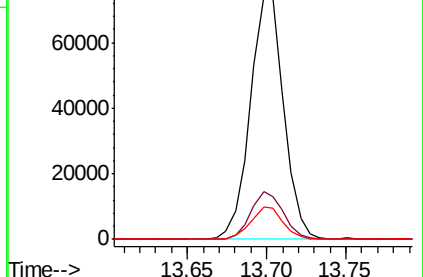
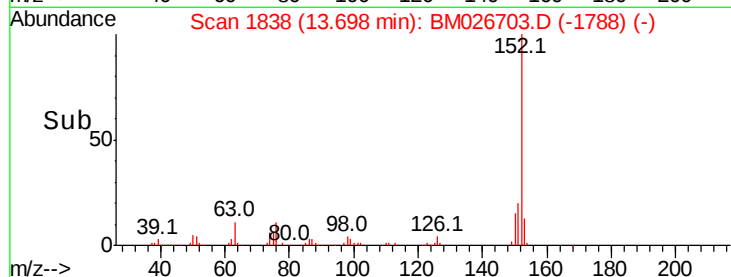
153 13.2 10.4 15.6



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: 8.414 ng

RT: 13.46 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

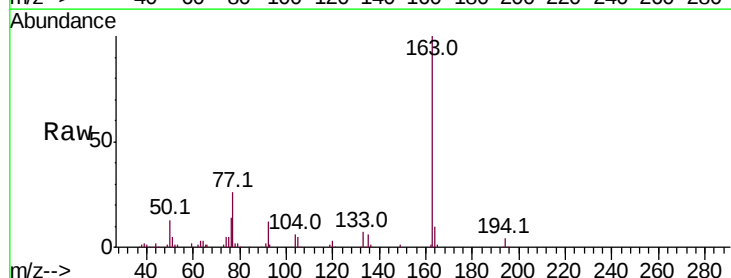
Tgt Ion:163 Resp: 93731

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

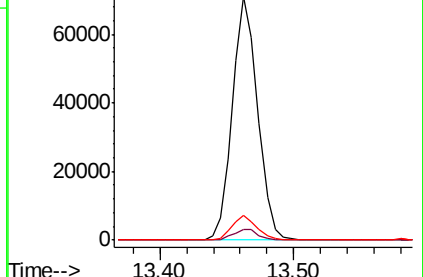
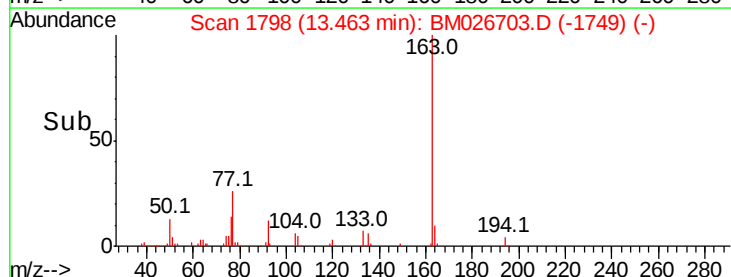
164 10.1 7.8 11.6

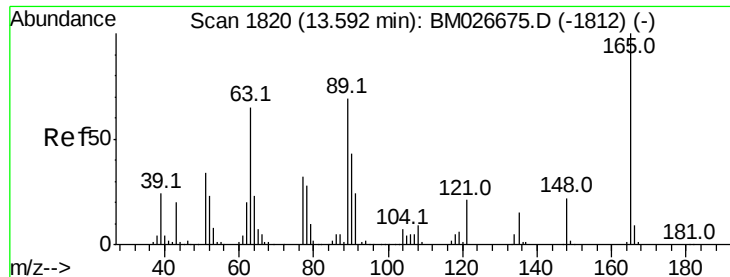


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

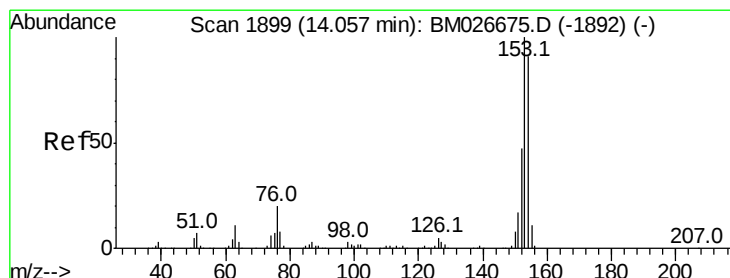
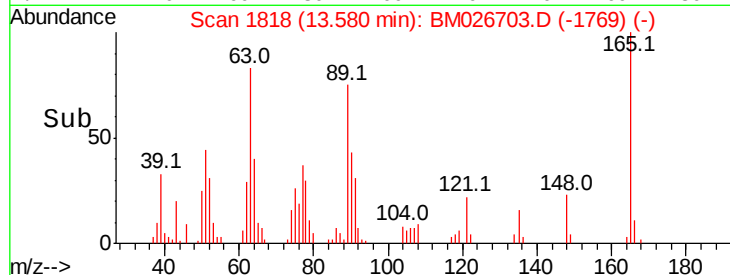
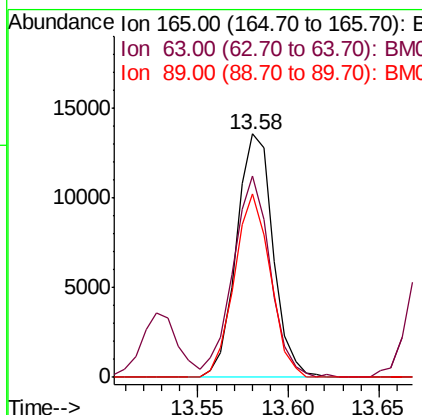
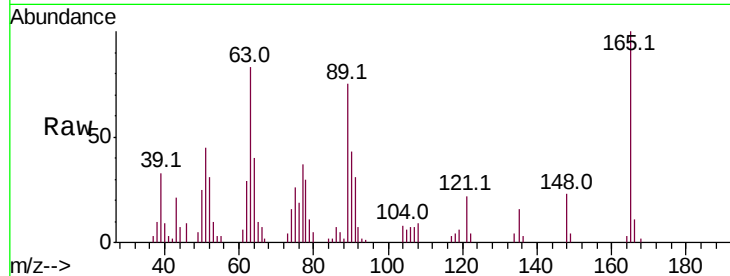




#51
2,6-Dinitrotoluene
Concen: 7.983 ng
RT: 13.58 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

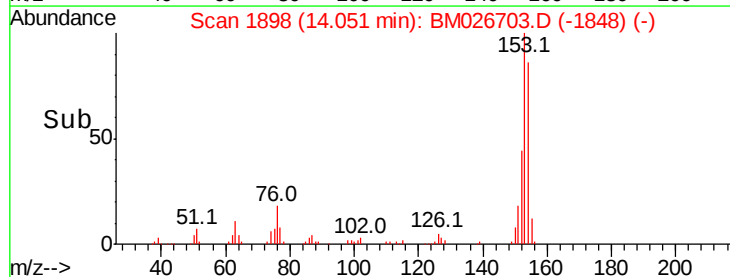
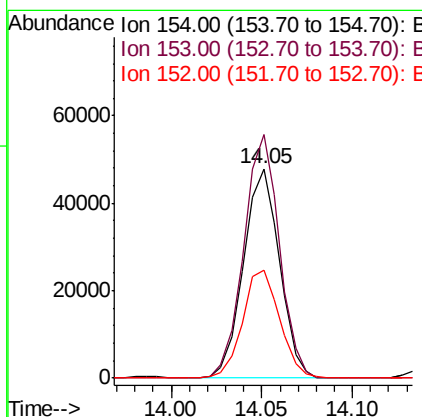
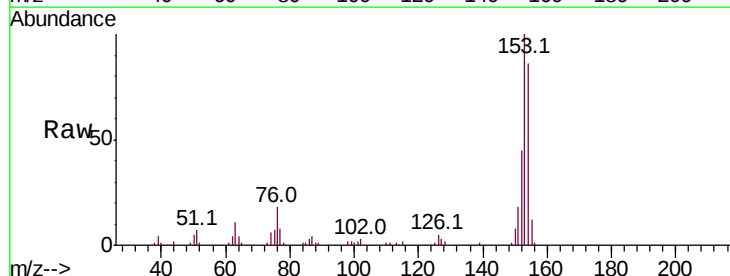
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

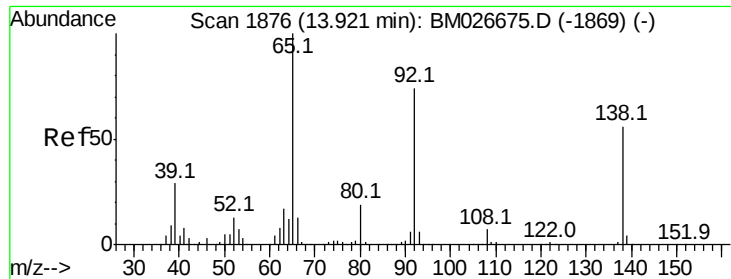
Tot Ion:165 Resp: 19043
Ion Ratio Lower Upper
165 100
63 82.5 61.1 91.7
89 75.1 54.9 82.3



#52
Acenaphthene
Concen: 8.204 ng
RT: 14.05 min Scan# 1898
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion:154 Resp: 66236
Ion Ratio Lower Upper
154 100
153 116.1 88.3 132.5
152 51.7 41.1 61.7

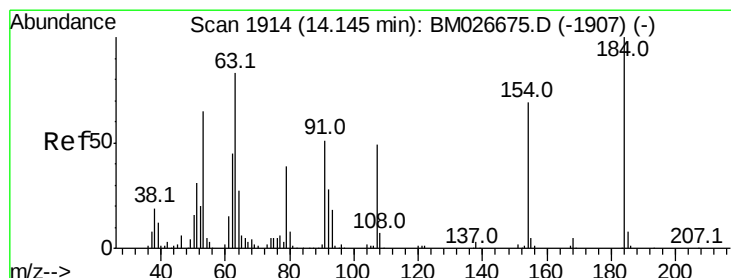
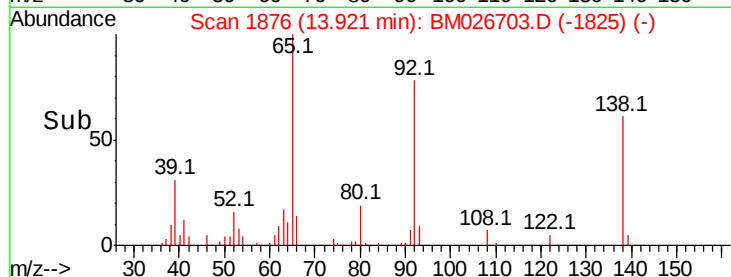
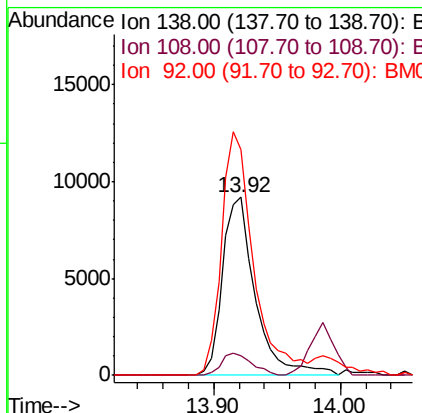
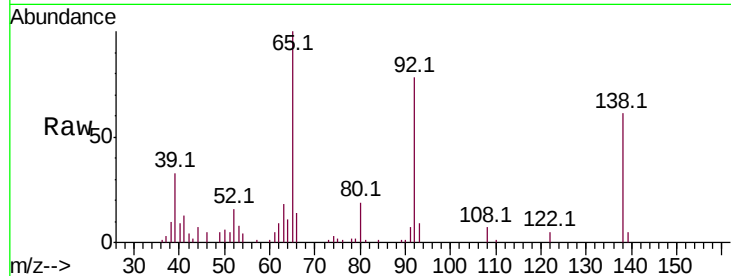




#53
3-Nitroaniline
Concen: 6.623 ng
RT: 13.92 min Scan# 1876
Delta R.T. 0.00 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

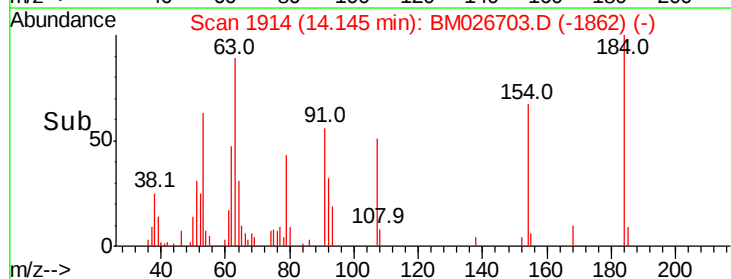
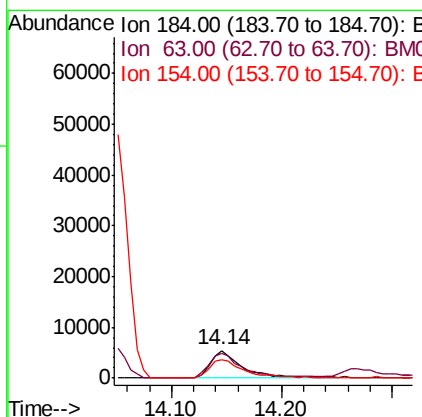
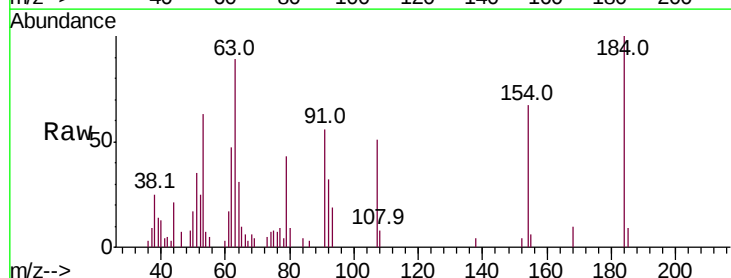
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

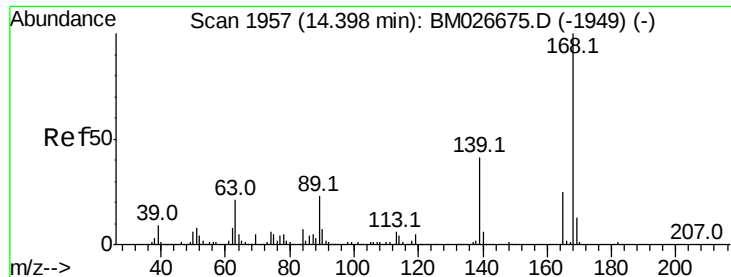
Tot Ion:138 Resp: 16436
Ion Ratio Lower Upper
138 100
108 11.1 9.7 14.5
92 127.2 105.6 158.4



#54
2,4-Dinitrophenol
Concen: 7.727 ng
RT: 14.14 min Scan# 1914
Delta R.T. 0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion:184 Resp: 10788
Ion Ratio Lower Upper
184 100
63 88.9 66.2 99.4
154 66.5 55.2 82.8

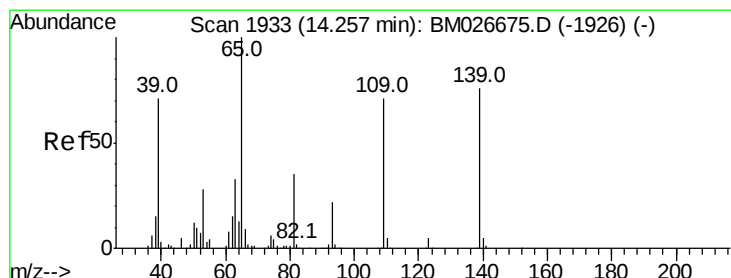
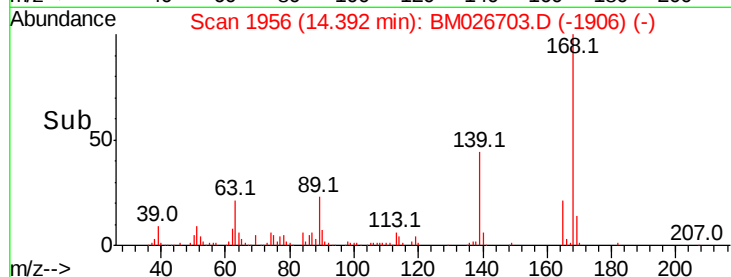
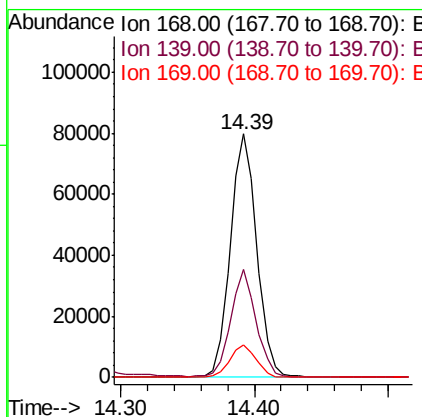
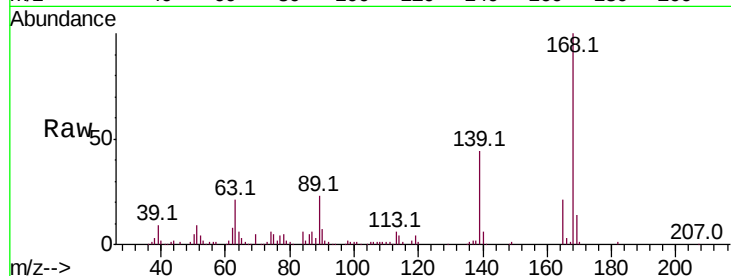




#55
 Dibenzofuran
 Concen: 8.306 ng
 RT: 14.39 min Scan# 1956
 Delta R.T. -0.01 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

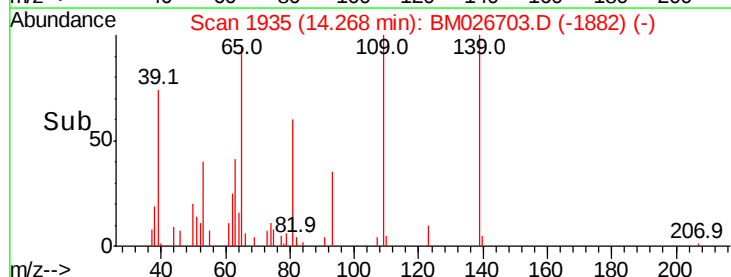
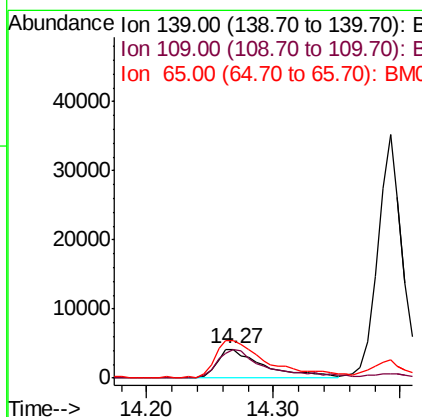
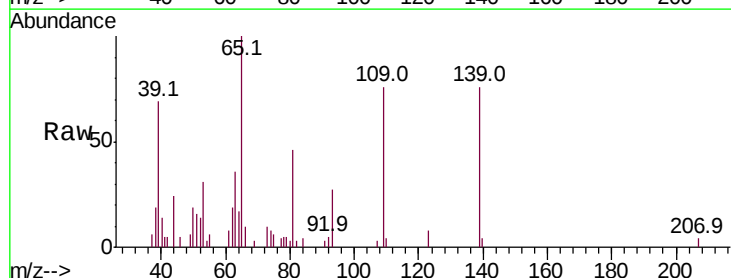
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

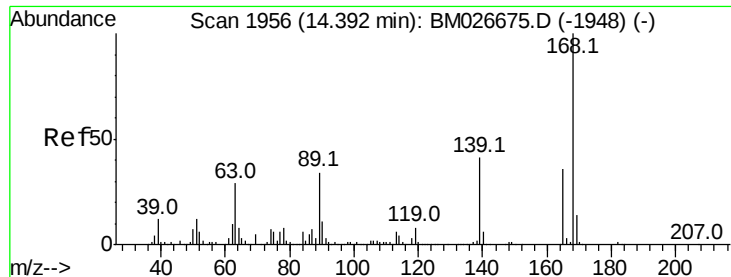
Tot Ion:168	Resp:	109961
Ion	Ratio	Lower Upper
168	100	
139	44.2	32.6 48.8
169	13.5	10.5 15.7



#56
 4-Nitrophenol
 Concen: 5.507 ng
 RT: 14.27 min Scan# 1935
 Delta R.T. 0.01 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

Tgt Ion:139	Resp:	10723
Ion	Ratio	Lower Upper
139	100	
109	100.0	73.7 113.7
65	130.9	111.5 151.5

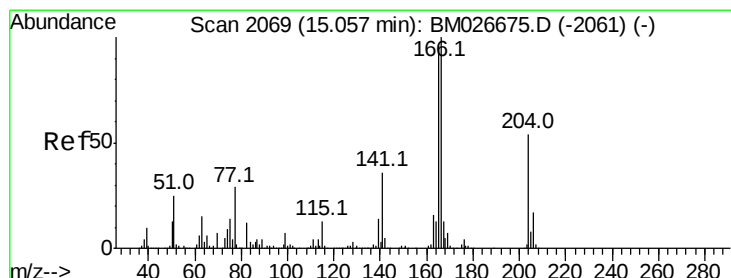
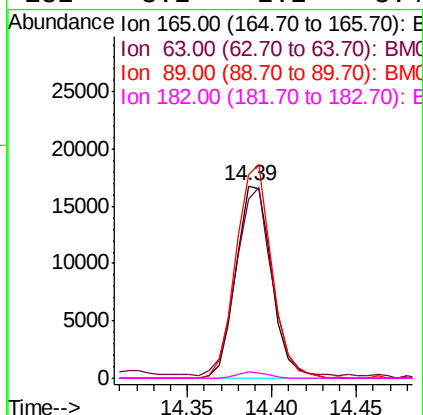
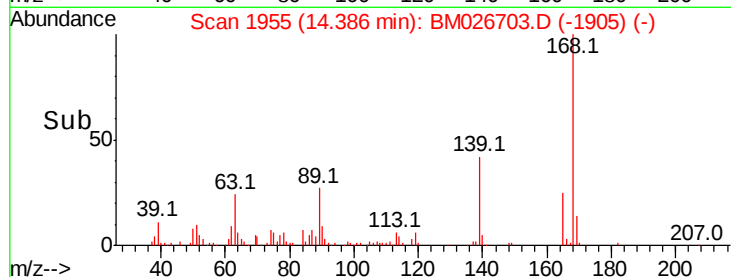
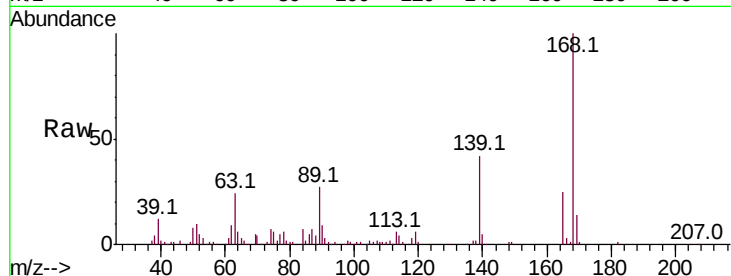




#57
2,4-Dinitrotoluene
Concen: 7.189 ng
RT: 14.39 min Scan# 1955
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

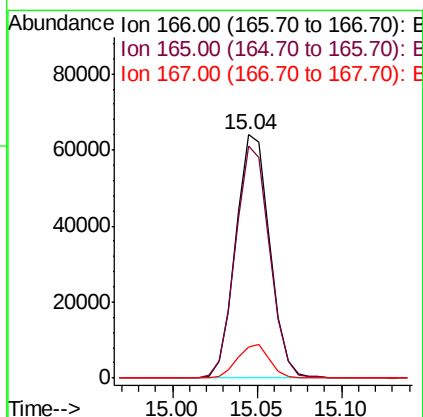
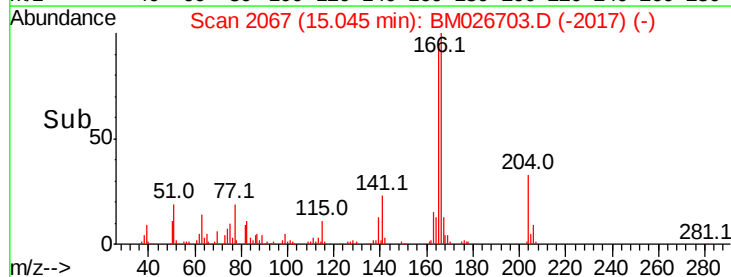
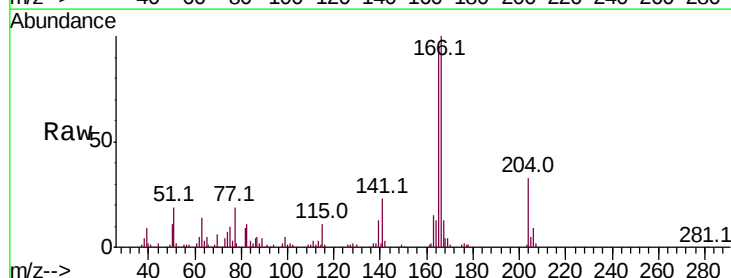
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

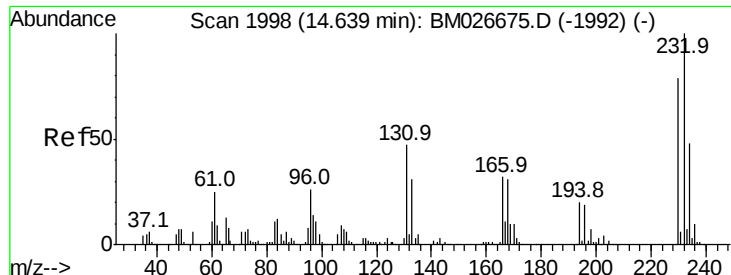
Tot Ion:165 Resp: 24750
Ion Ratio Lower Upper
165 100
63 93.4 64.6 97.0
89 106.0 75.4 113.2
182 3.2 2.2 3.4



#58
Fluorene
Concen: 8.176 ng
RT: 15.04 min Scan# 2067
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion:166 Resp: 89609
Ion Ratio Lower Upper
166 100
165 95.5 77.1 115.7
167 13.0 10.8 16.2

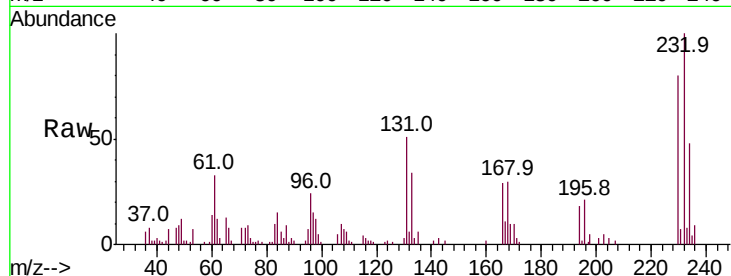




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 8.244 ng
 RT: 14.63 min Scan# 1997
 Delta R.T. 0.00 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Lower	Upper
232	100		
131	48.6	38.4	57.6
130	2.8	2.2	3.2
166	31.4	25.4	38.0



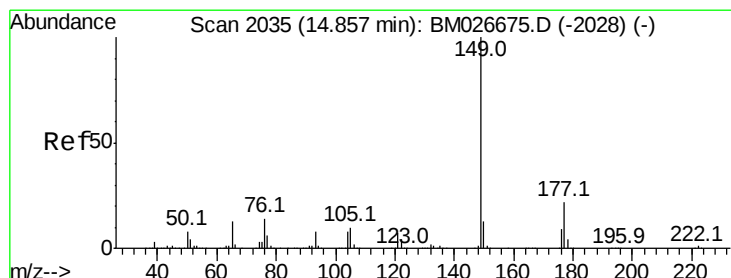
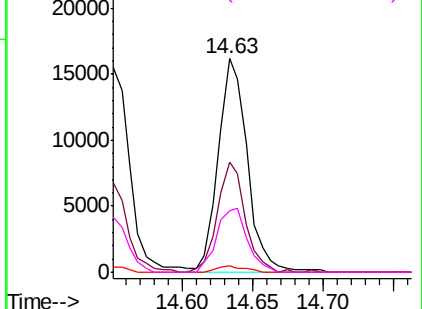
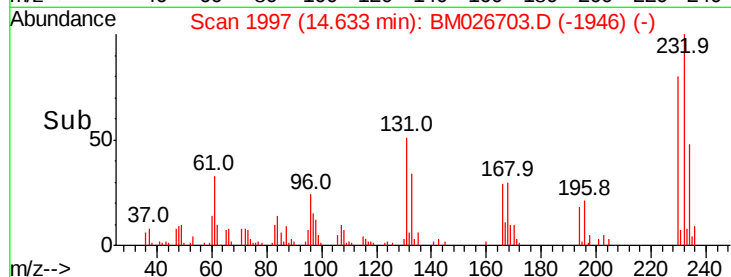
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

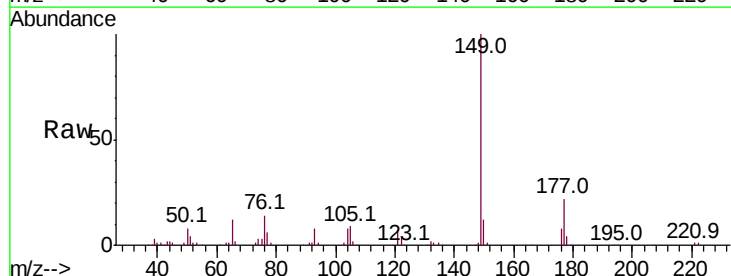
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 8.026 ng
 RT: 14.85 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.8	26.6
150	12.0	10.2	15.4

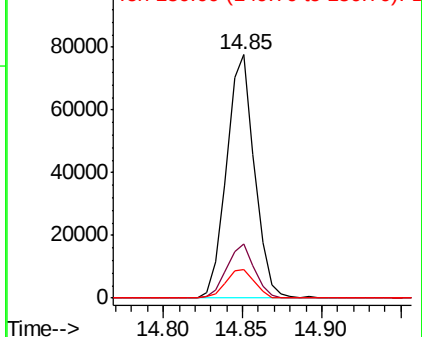
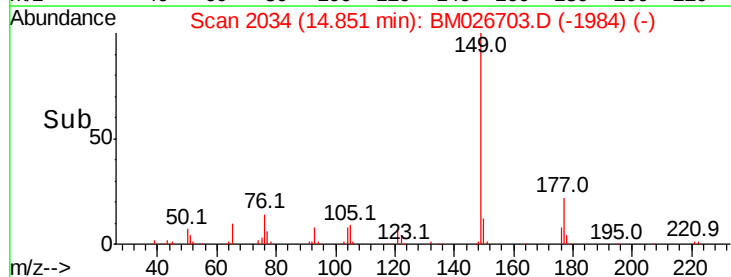


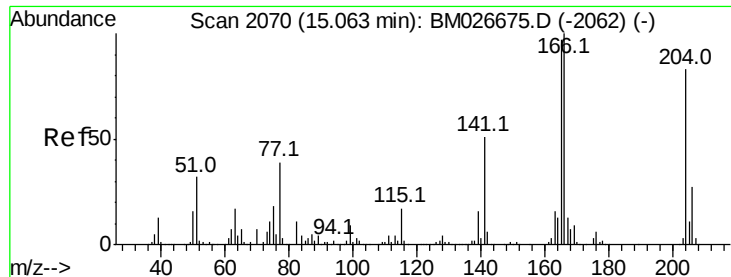
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

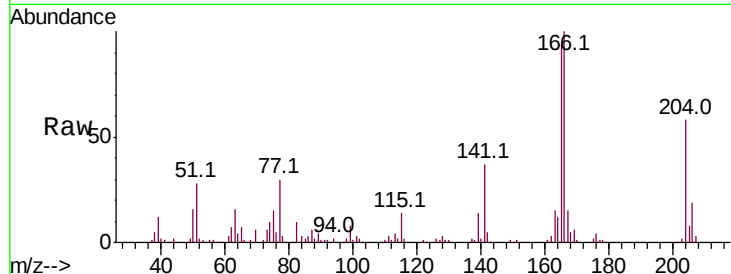




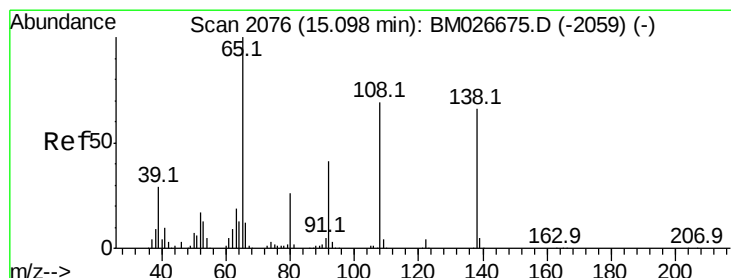
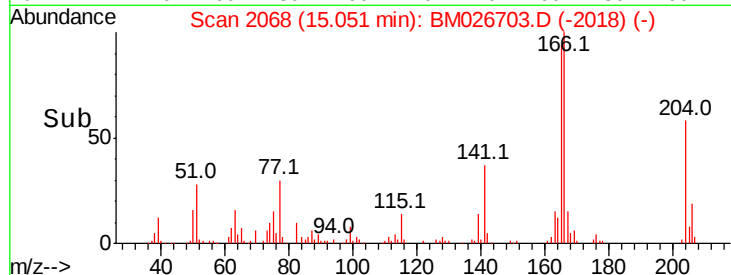
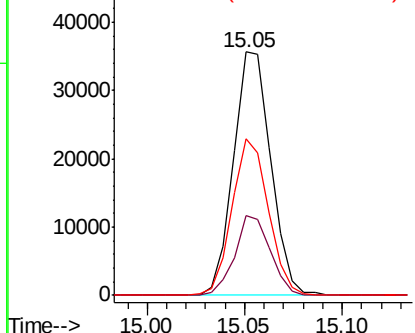
#61
4-Chlorophenyl-phenylether
Concen: 7.980 ng
RT: 15.05 min Scan# 2068
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion:204 Resp: 47389
Ion Ratio Lower Upper
204 100
206 32.8 25.9 38.9
141 64.2 49.5 74.3

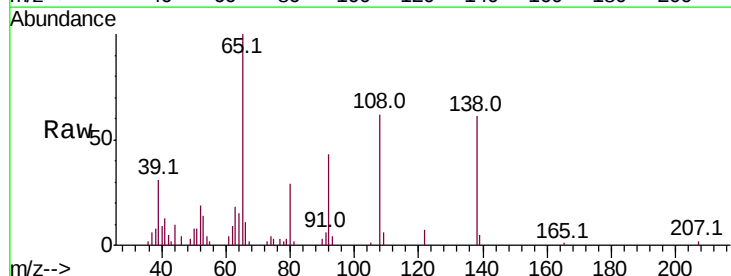


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

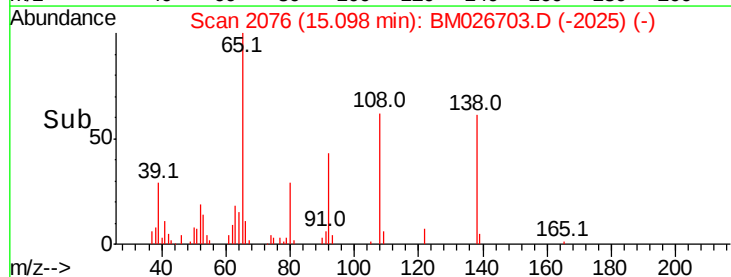
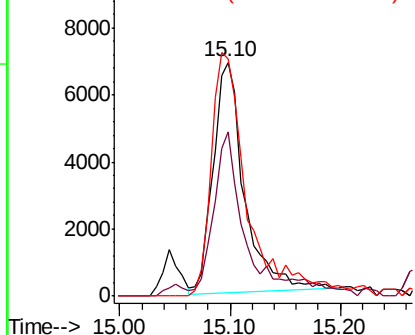


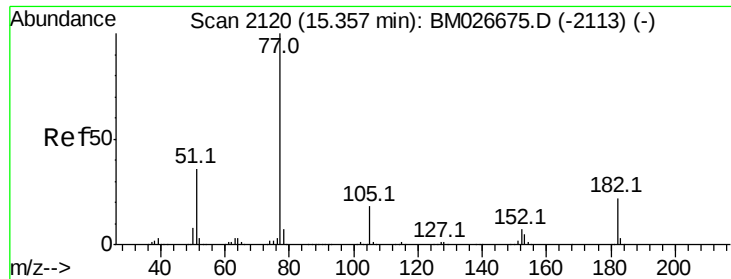
#62
4-Nitroaniline
Concen: 5.232 ng
RT: 15.10 min Scan# 2076
Delta R.T. 0.00 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion:138 Resp: 13551
Ion Ratio Lower Upper
138 100
92 70.3 41.5 81.5
108 101.5 84.8 124.8



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

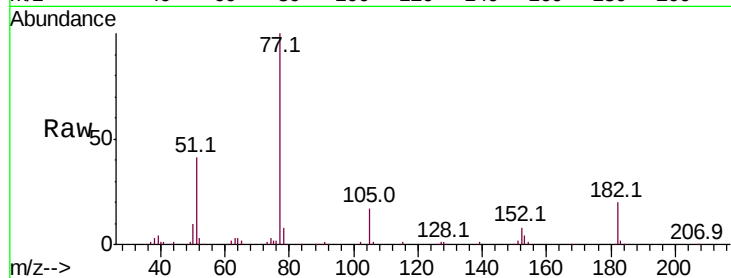




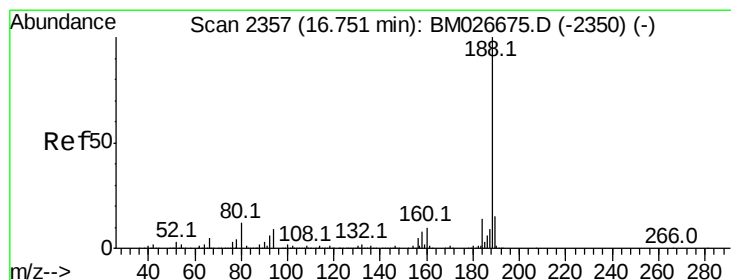
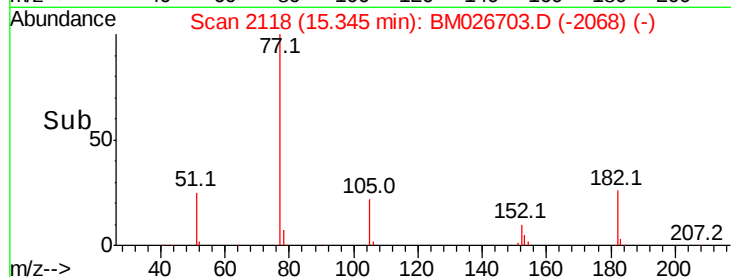
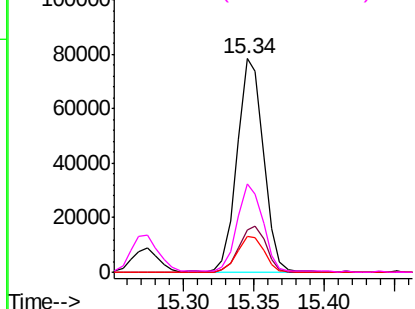
#63
Azobenzene
Concen: 7.864 ng
RT: 15.34 min Scan# 2118
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion: 77 Resp: 101739
Ion Ratio Lower Upper
77 100
182 19.8 1.6 41.6
105 17.0 0.0 37.8
51 41.3 16.5 56.5

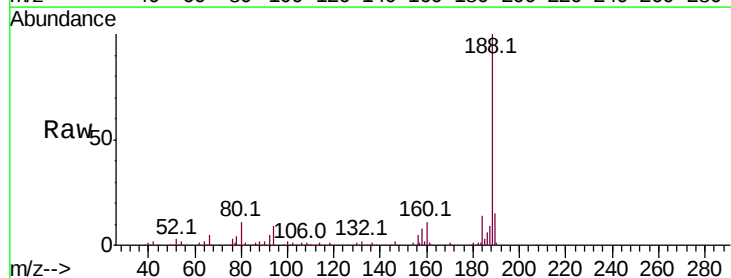


Abundance Ion 77.00 (76.70 to 77.70): BM0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BM0

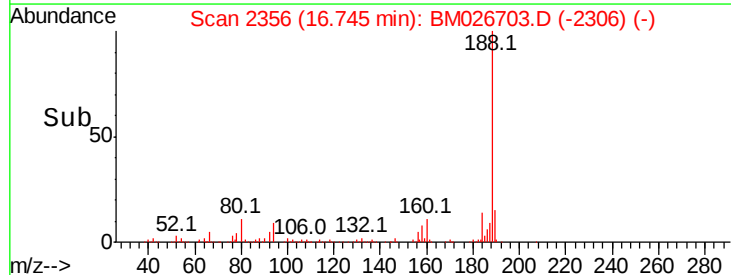
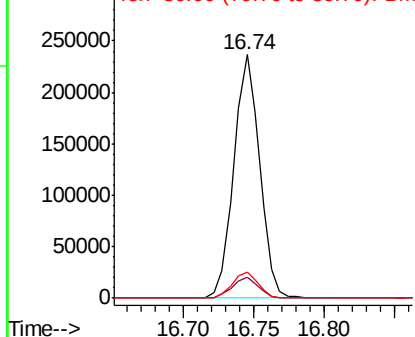


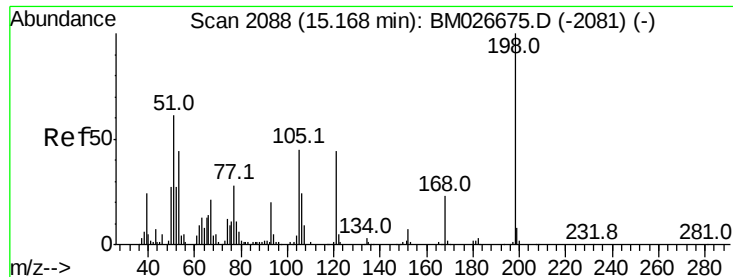
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.74 min Scan# 2356
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion: 188 Resp: 302153
Ion Ratio Lower Upper
188 100
94 8.7 7.4 11.0
80 10.7 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

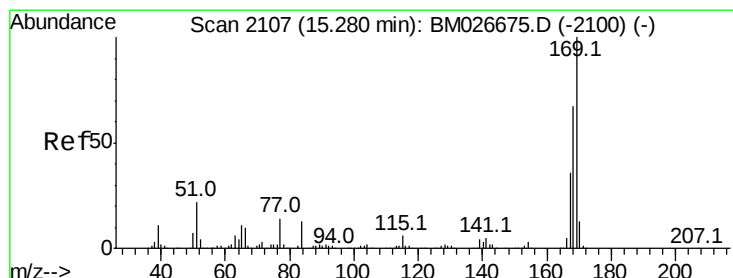
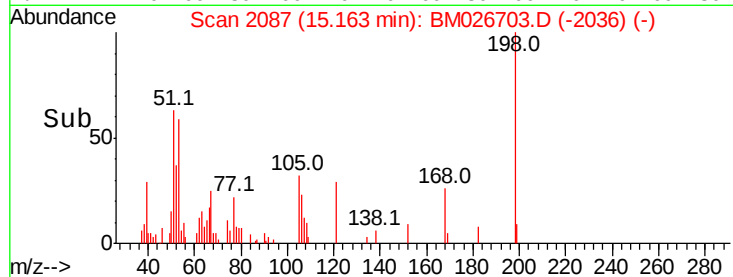
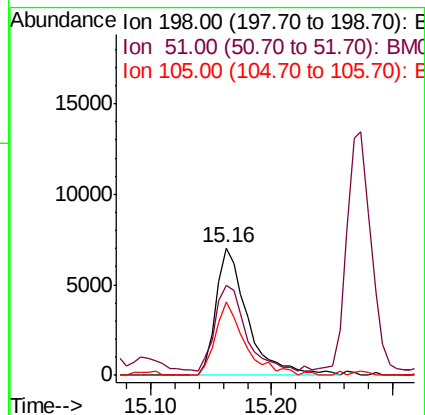
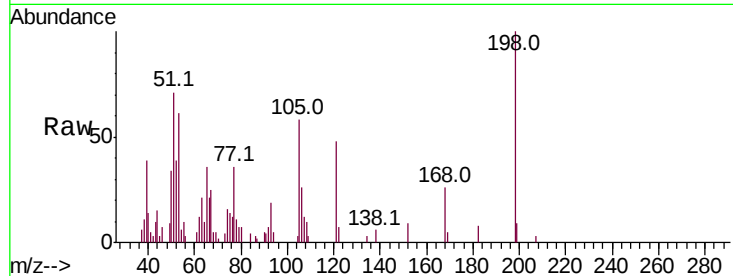




#65
4,6-Dinitro-2-methylphenol
Concen: 6.184 ng
RT: 15.16 min Scan# 2087
Delta R.T. -0.00 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

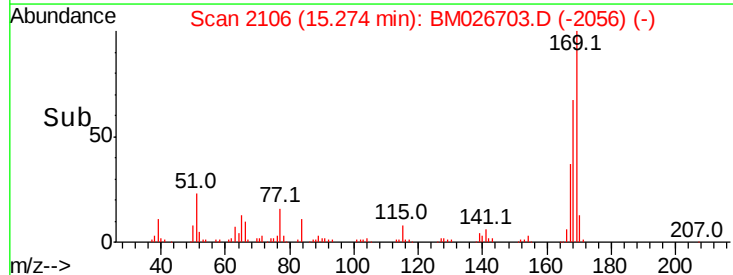
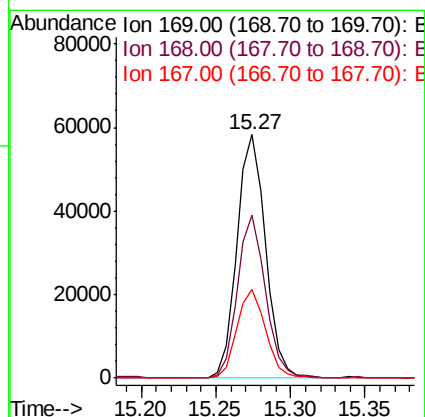
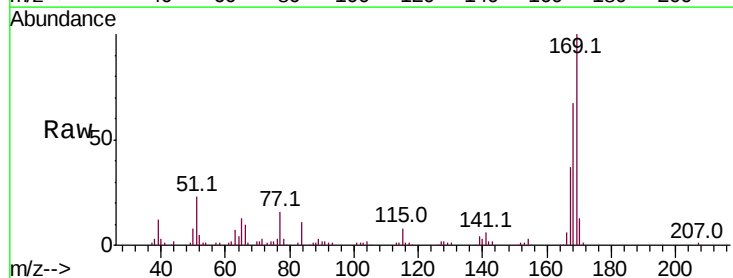
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

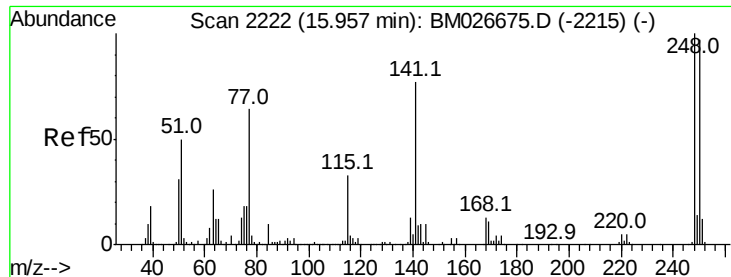
Tot Ion:198 Resp: 12702
Ion Ratio Lower Upper
198 100
51 70.6 42.0 82.0
105 57.5 24.9 64.9



#66
n-Nitrosodiphenylamine
Concen: 8.131 ng
RT: 15.27 min Scan# 2106
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion:169 Resp: 78070
Ion Ratio Lower Upper
169 100
168 67.1 53.8 80.8
167 36.5 28.6 43.0

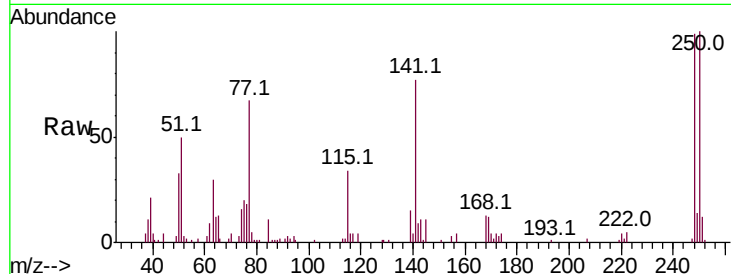




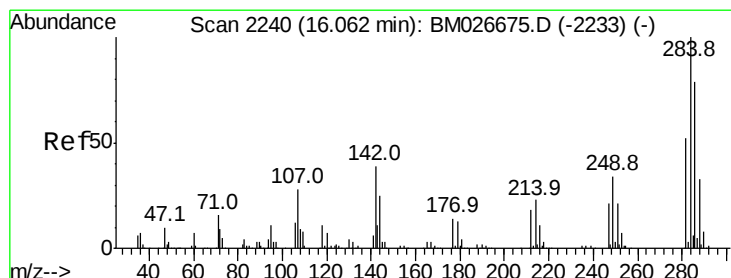
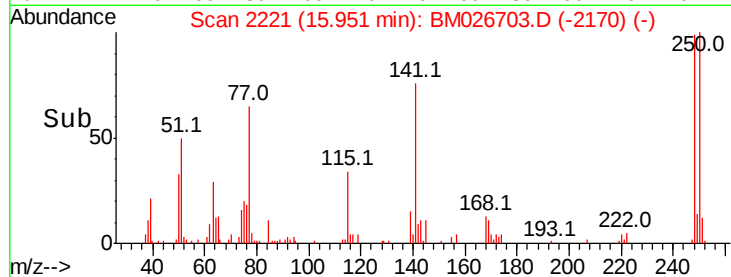
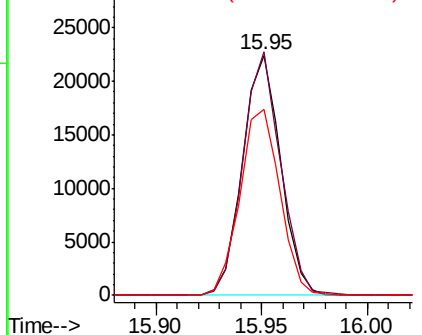
#67
4-Bromophenyl-phenylether
Concen: 7.473 ng
RT: 15.95 min Scan# 2221
Delta R.T. 0.00 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion:248 Resp: 28105
Ion Ratio Lower Upper
248 100
250 101.5 77.4 116.2
141 77.8 61.9 92.9

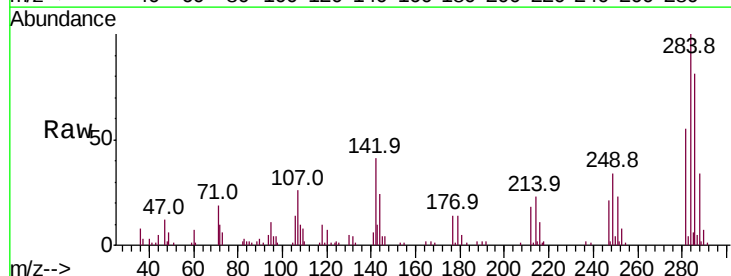


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

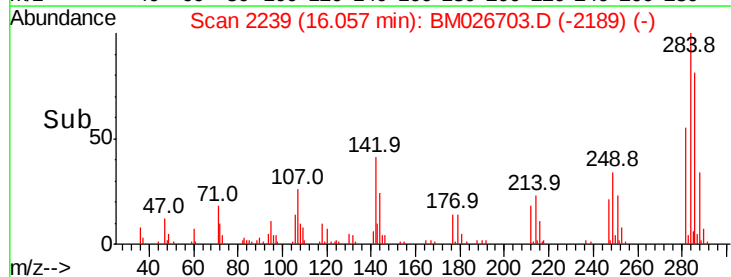
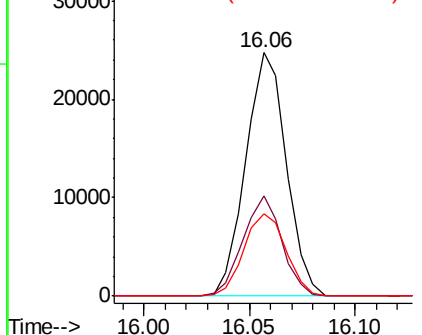


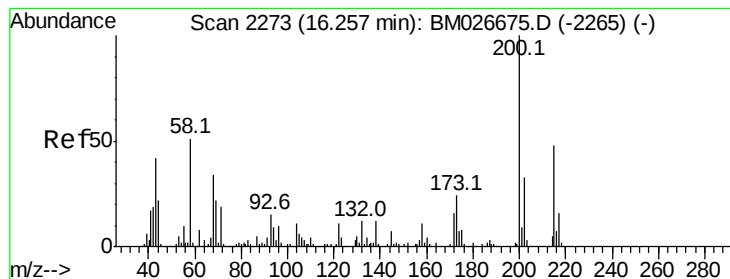
#68
Hexachlorobenzene
Concen: 8.328 ng
RT: 16.06 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion:284 Resp: 32964
Ion Ratio Lower Upper
284 100
142 41.2 31.1 46.7
249 33.6 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

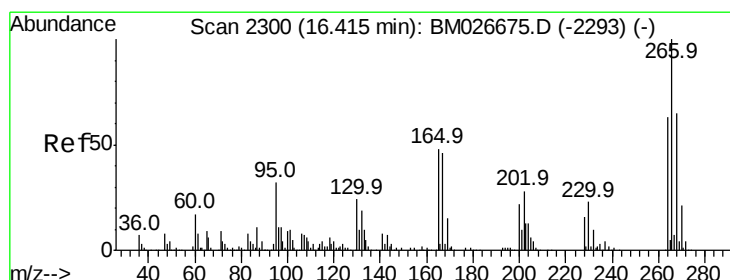
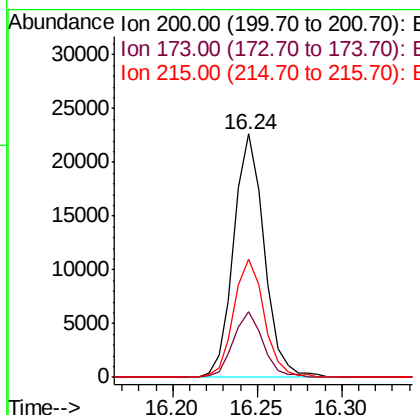
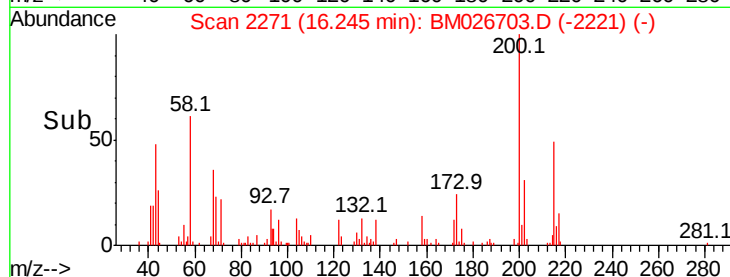
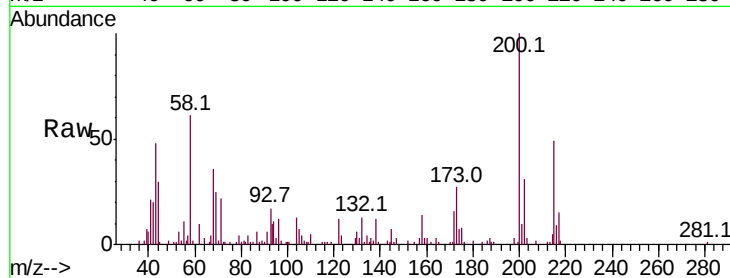




#69
Atrazine
Concen: 9.851 ng
RT: 16.24 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

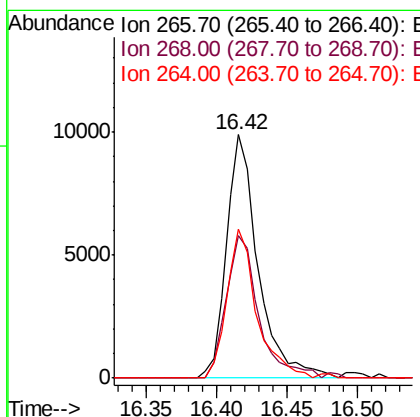
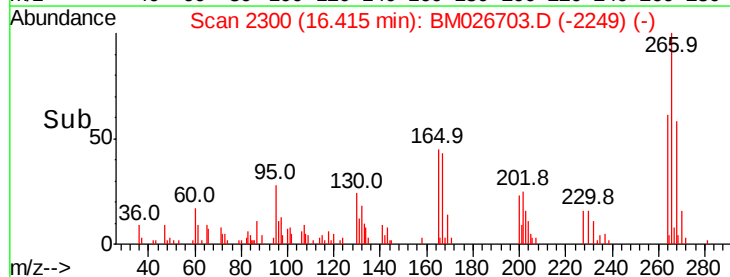
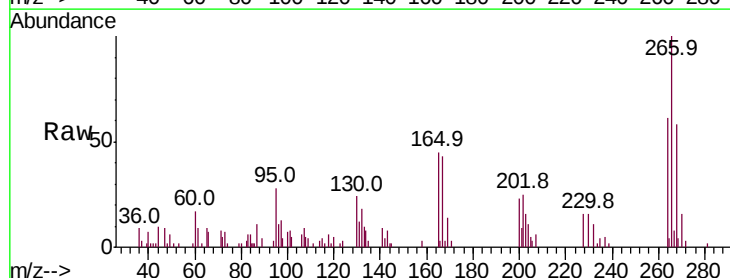
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

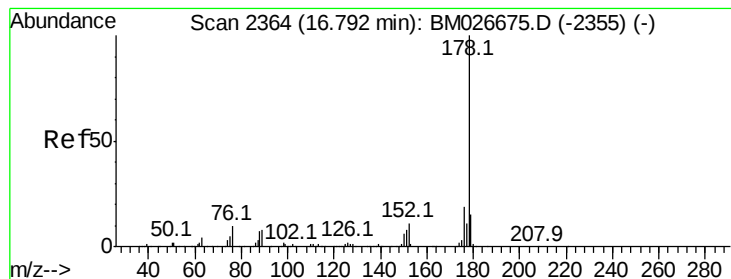
Tot Ion:200 Resp: 28444
Ion Ratio Lower Upper
200 100
173 27.1 4.5 44.5
215 48.6 28.4 68.4



#70
Pentachlorophenol
Concen: 6.900 ng
RT: 16.42 min Scan# 2300
Delta R.T. 0.00 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion:266 Resp: 15451
Ion Ratio Lower Upper
266 100
268 62.4 51.8 77.6
264 61.2 50.1 75.1





#71

Phenanthrene

Concen: 8.516 ng

RT: 16.79 min Scan# 2363

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

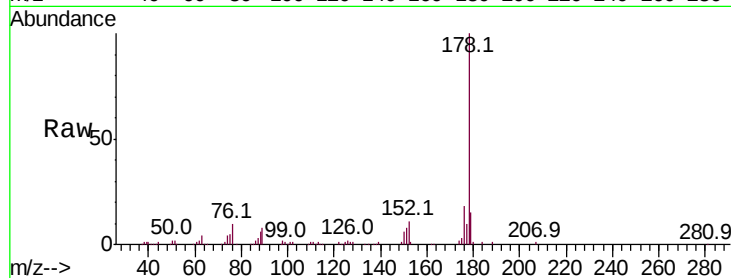
Tot Ion:178 Resp: 151904

Ion Ratio Lower Upper

178 100

176 17.5 15.0 22.6

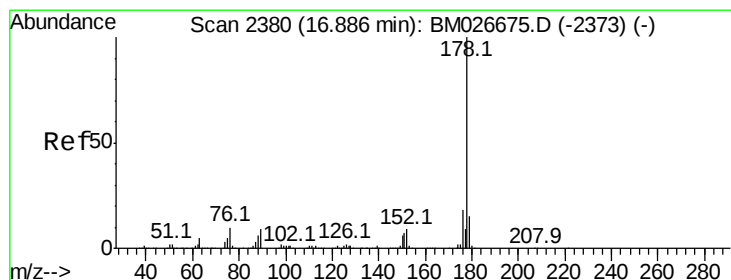
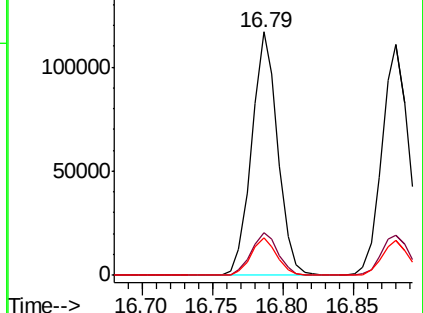
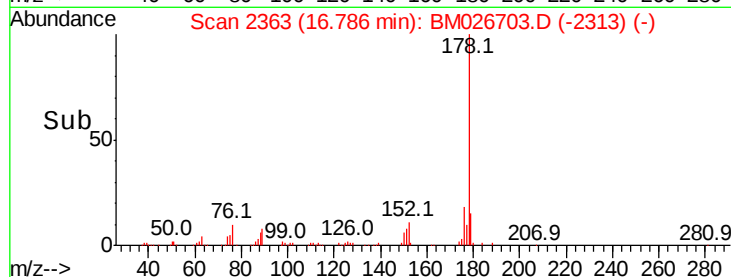
179 15.3 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 8.495 ng

RT: 16.88 min Scan# 2379

Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

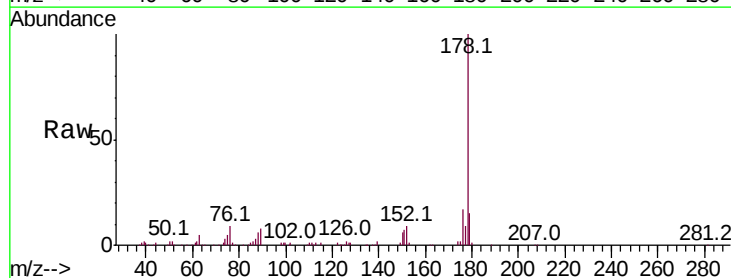
Tgt Ion:178 Resp: 150856

Ion Ratio Lower Upper

178 100

176 17.3 14.7 22.1

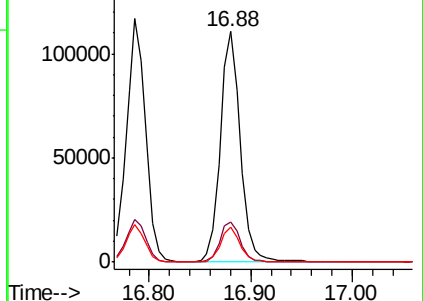
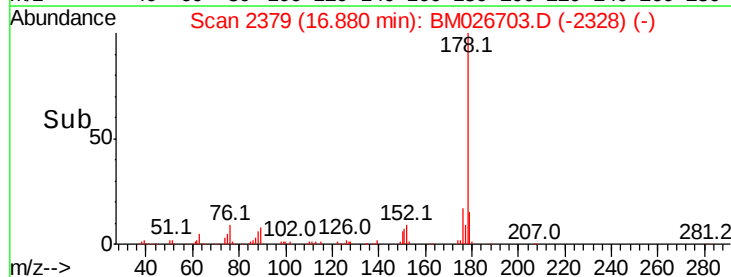
179 15.0 12.1 18.1

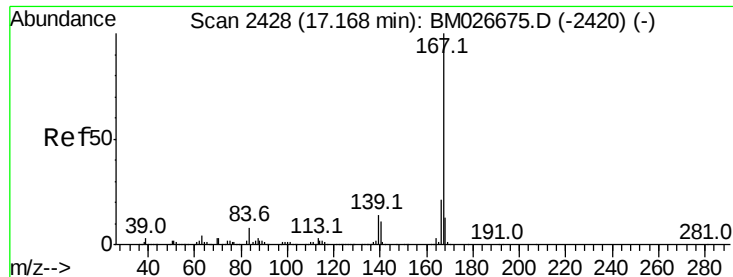


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

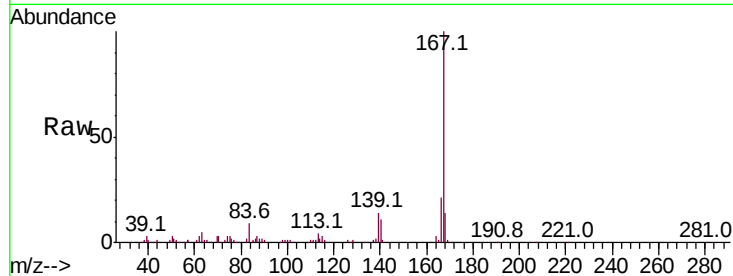




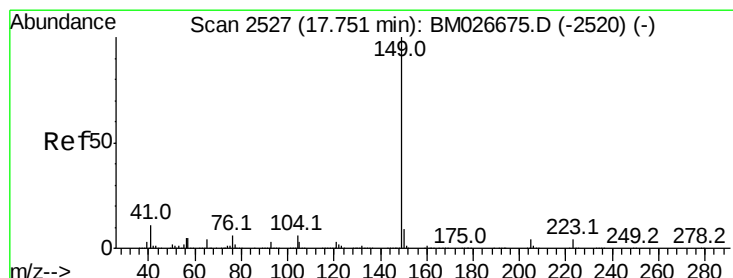
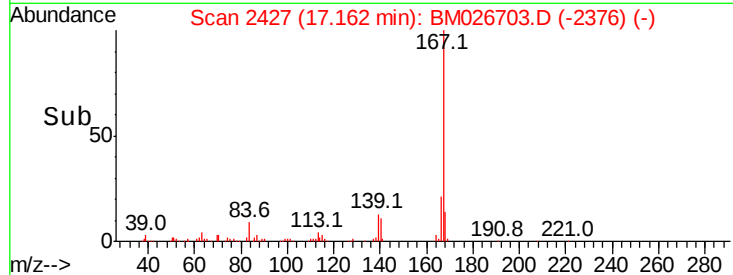
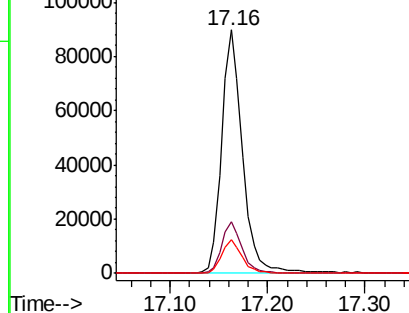
#73
 Carbazole
 Concen: 7.883 ng
 RT: 17.16 min Scan# 2427
 Delta R.T. 0.00 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.4	16.9	25.3
139	13.6	10.8	16.2

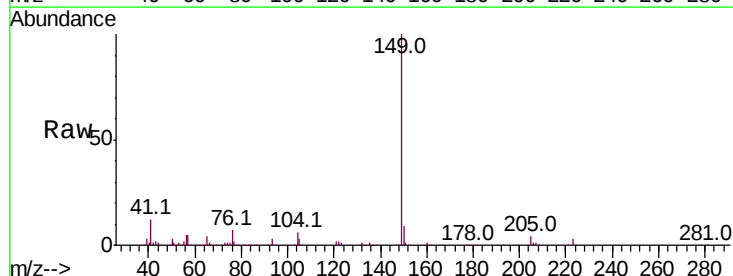


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

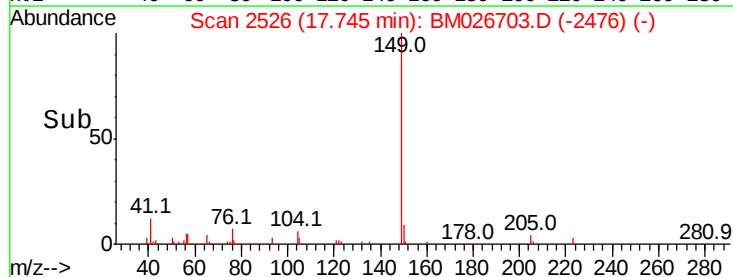
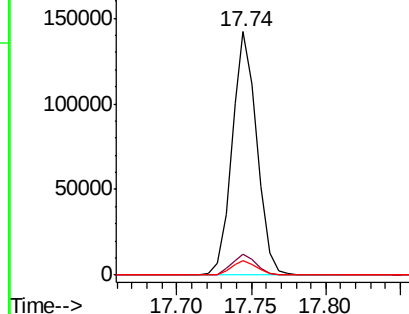


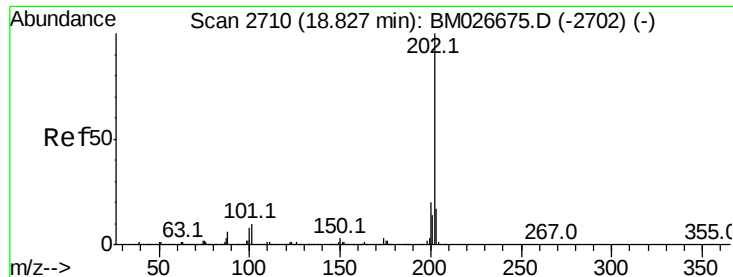
#74
 Di-n-butylphthalate
 Concen: 7.745 ng
 RT: 17.74 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.3	10.9
104	6.2	5.0	7.4



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 8.540 ng

RT: 18.82 min Scan# 2708

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

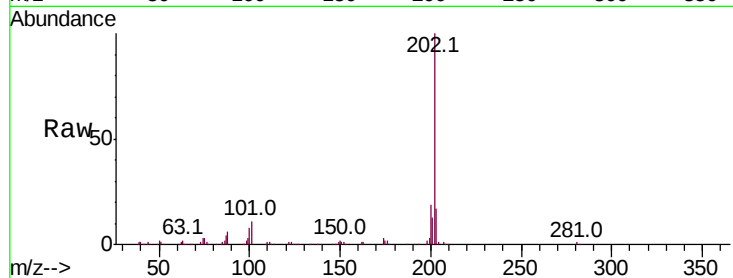
Tot Ion:202 Resp: 187616

Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.1

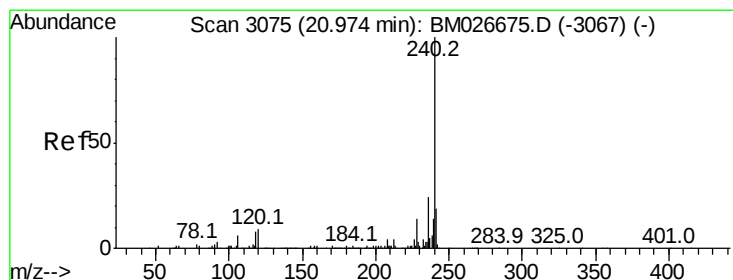
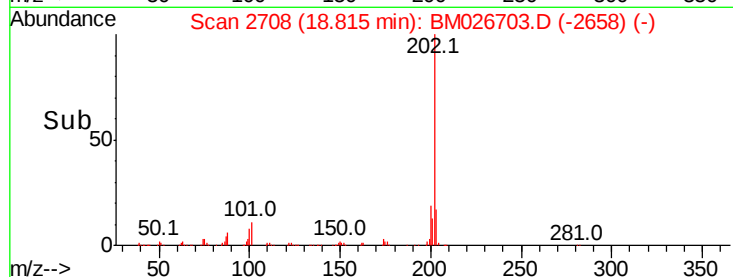
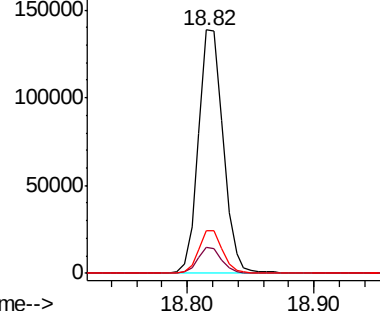
203 17.5 0.0 37.2



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: BM026703.D

Acq: 08 Jul 2020 13:52

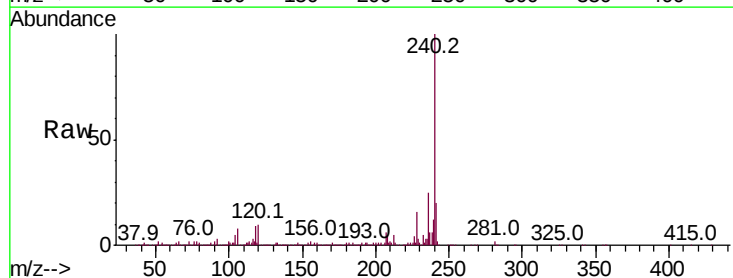
Tgt Ion:240 Resp: 387351

Ion Ratio Lower Upper

240 100

120 10.1 7.3 10.9

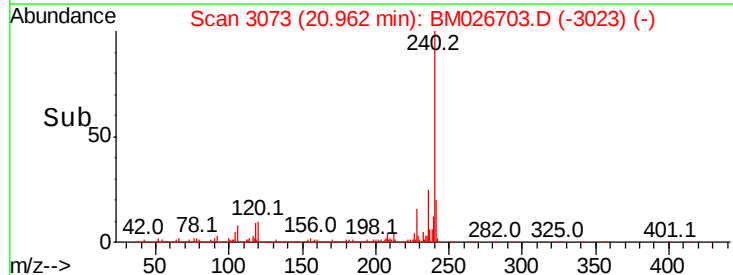
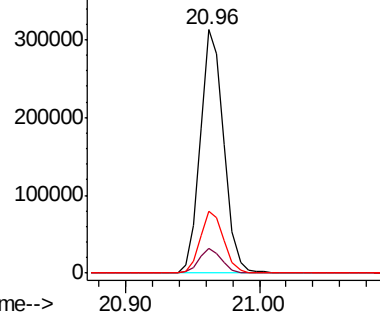
236 25.5 19.4 29.2

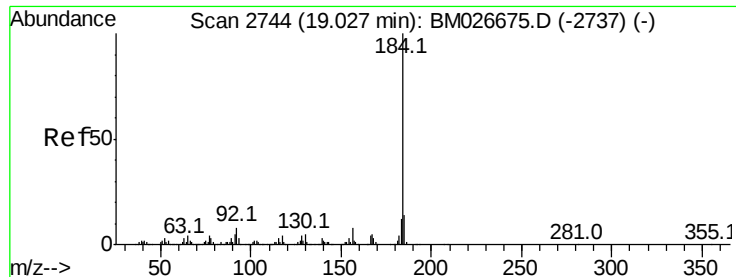


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 9.307 ng

RT: 19.03 min Scan# 2744

Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

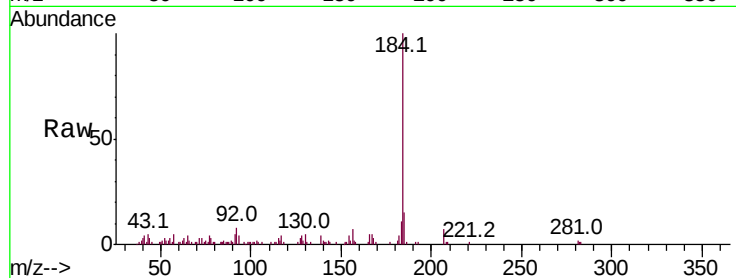
Tot Ion:184 Resp: 71072

Ion Ratio Lower Upper

184 100

185 14.7 10.9 16.3

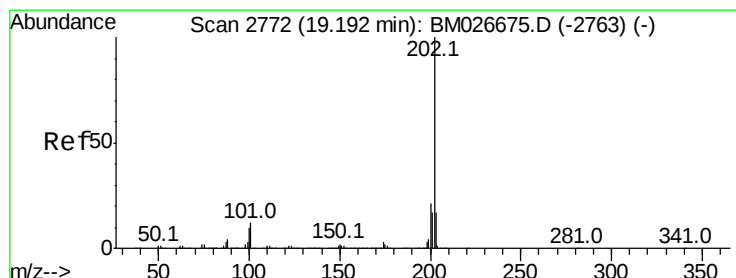
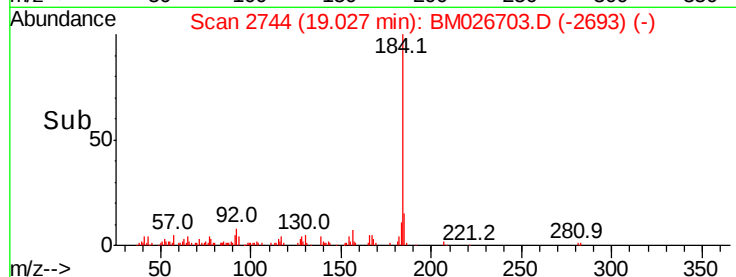
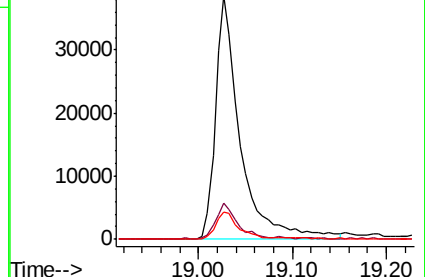
183 11.2 9.3 13.9



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



#78

Pyrene

Concen: 8.252 ng

RT: 19.19 min Scan# 2771

Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

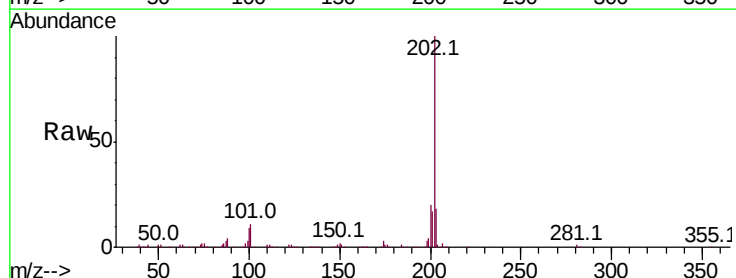
Tgt Ion:202 Resp: 201369

Ion Ratio Lower Upper

202 100

200 20.4 16.6 24.8

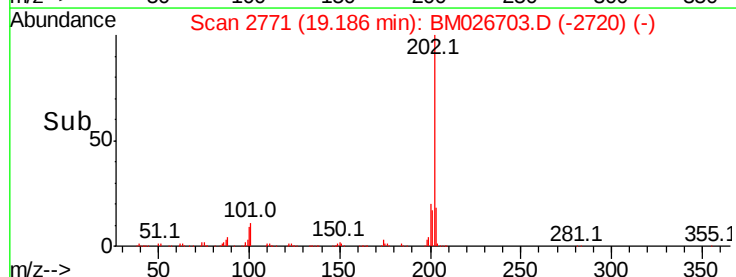
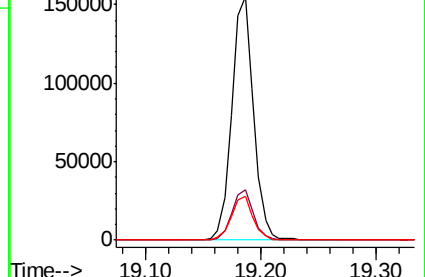
203 17.9 13.7 20.5

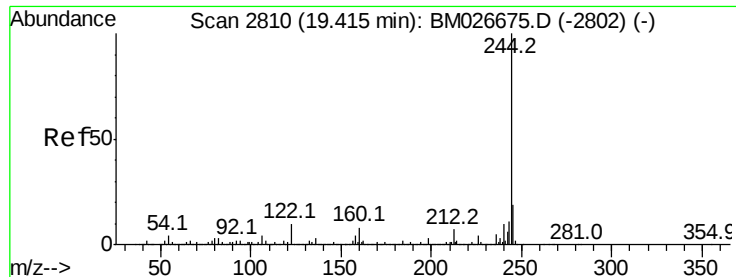


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 56.377 ng

RT: 19.41 min Scan# 2809

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

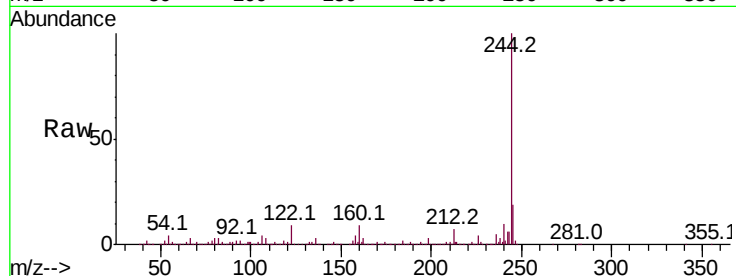
Tot Ion:244 Resp: 1109624

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

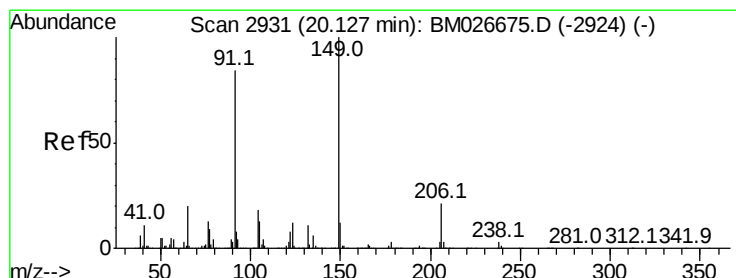
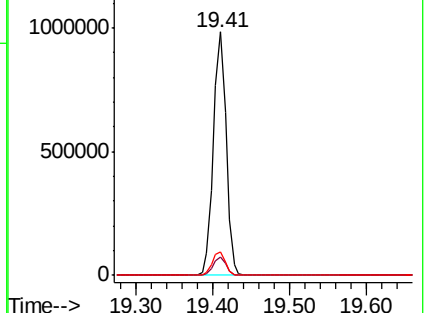
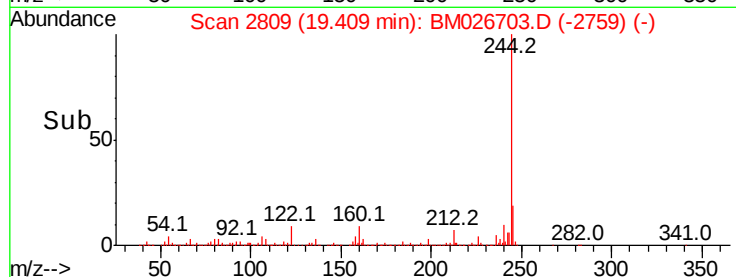
122 9.4 8.2 12.4



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: 7.334 ng

RT: 20.13 min Scan# 2931

Delta R.T. -0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

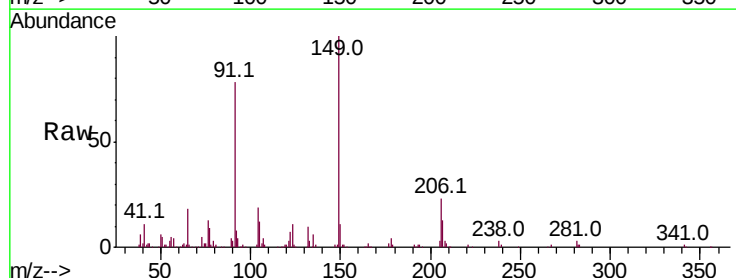
Tgt Ion:149 Resp: 80305

Ion Ratio Lower Upper

149 100

91 78.0 67.6 101.4

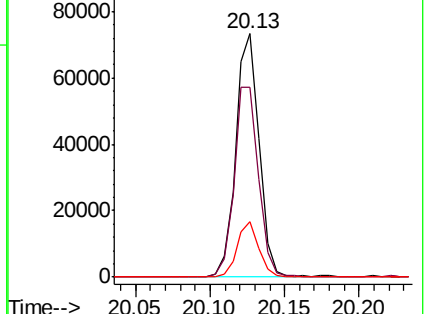
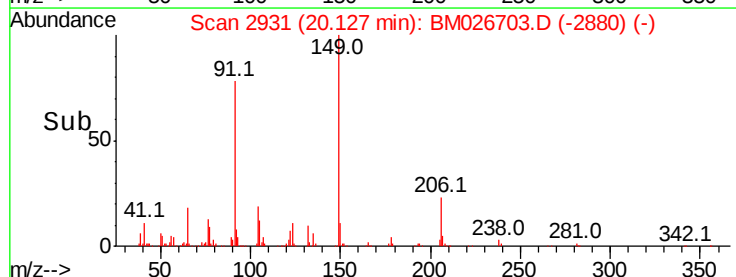
206 22.7 16.7 25.1

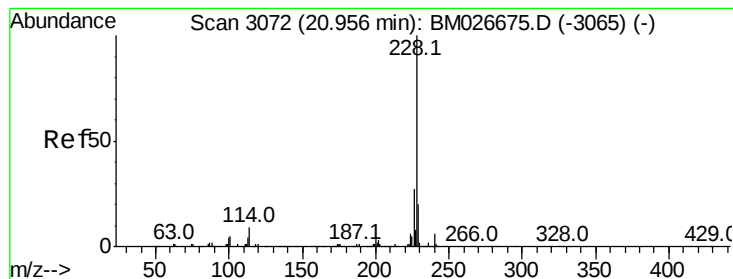


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 8.487 ng

RT: 20.95 min Scan# 3071

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

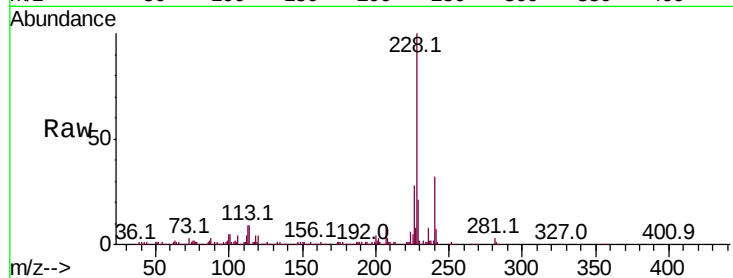
Tot Ion:228 Resp: 220815

Ion Ratio Lower Upper

228 100

226 27.8 21.4 32.2

229 20.6 15.6 23.4

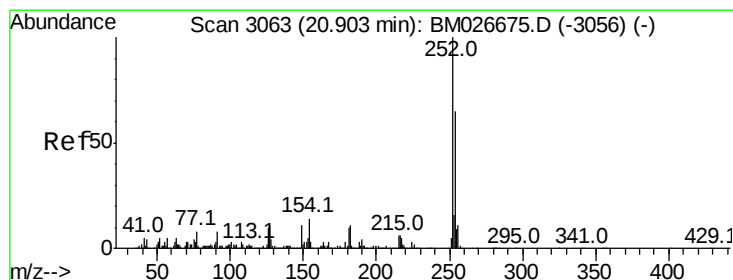
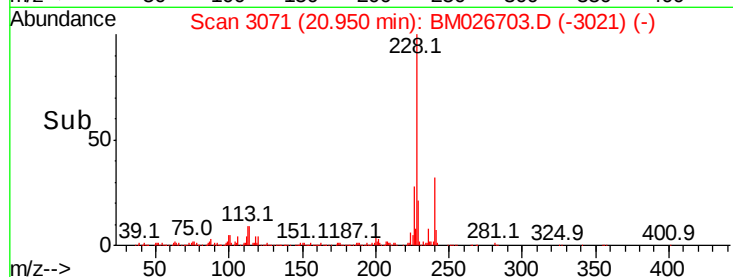
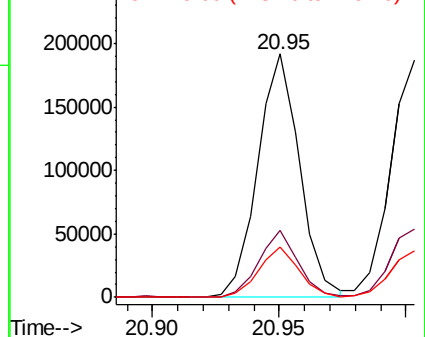


Abundance

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



#82

3,3'-Dichlorobenzidine

Concen: 9.282 ng

RT: 20.90 min Scan# 3062

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

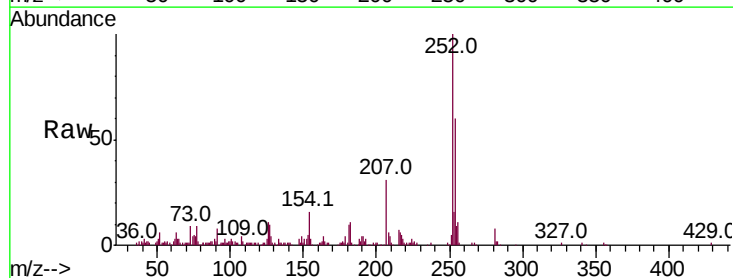
Tgt Ion:252 Resp: 76650

Ion Ratio Lower Upper

252 100

254 59.6 51.9 77.9

126 11.3 8.2 12.2

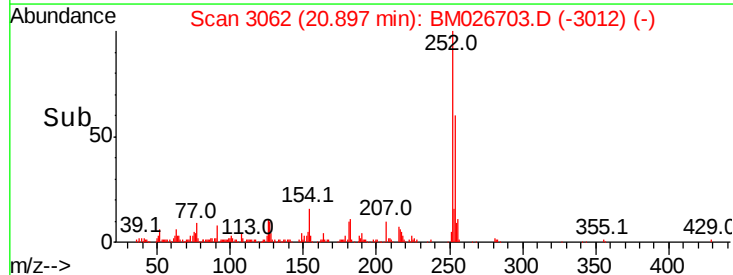
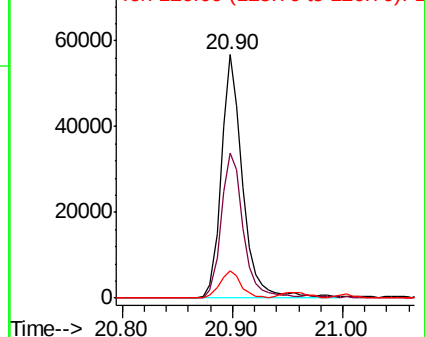


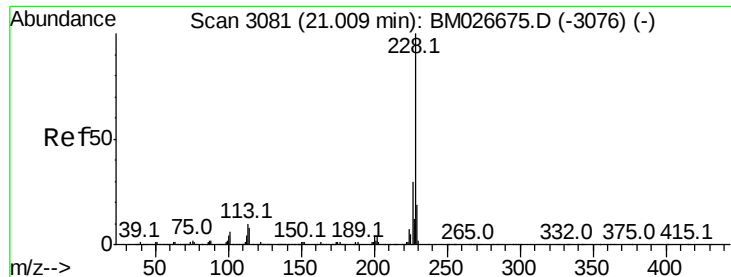
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 8.715 ng

RT: 21.00 min Scan# 3080

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

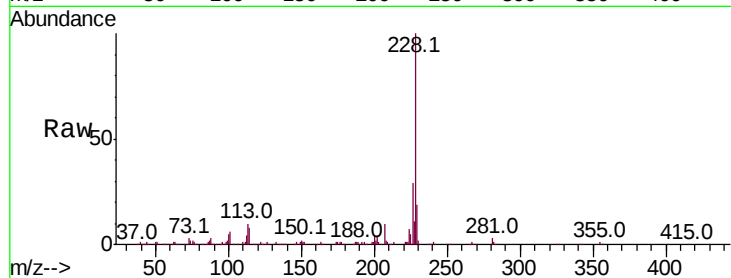
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:228 Resp: 220709

Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.7	35.5
229	19.4	15.4	23.0

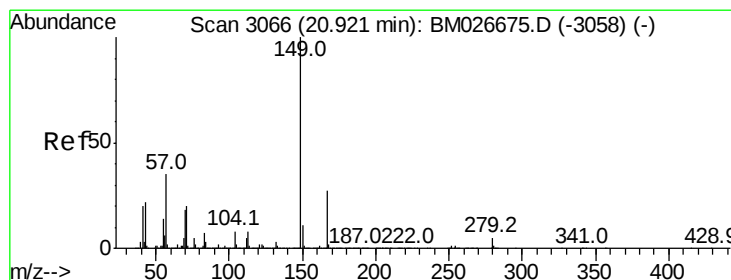
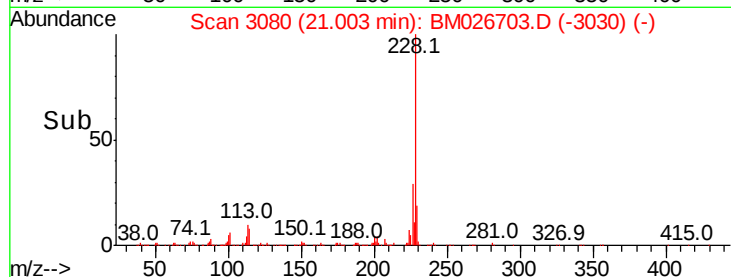
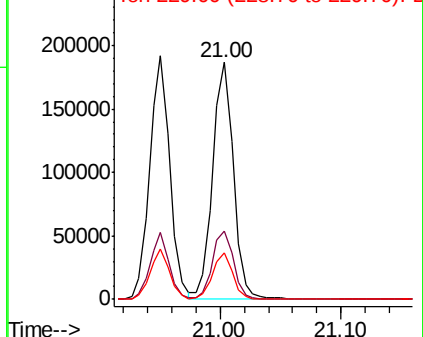


Abundance

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: 7.265 ng

RT: 20.92 min Scan# 3065

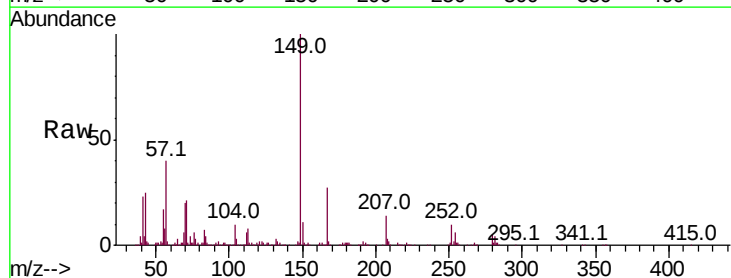
Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Tgt Ion:149 Resp: 127447

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.9	32.9
279	4.6	3.7	5.5

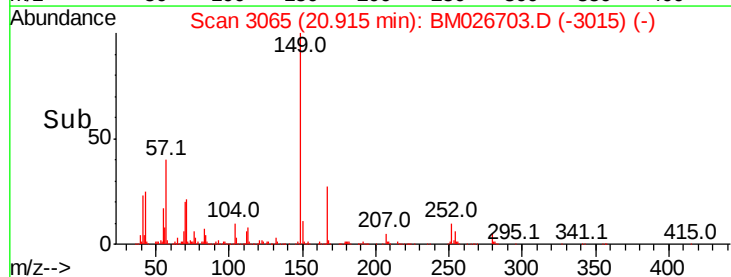
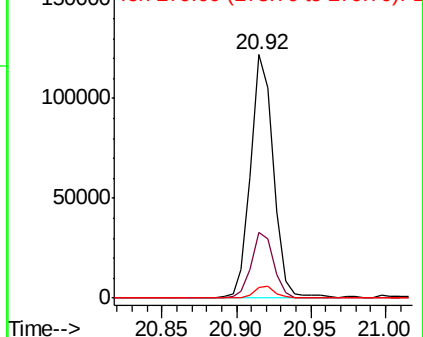


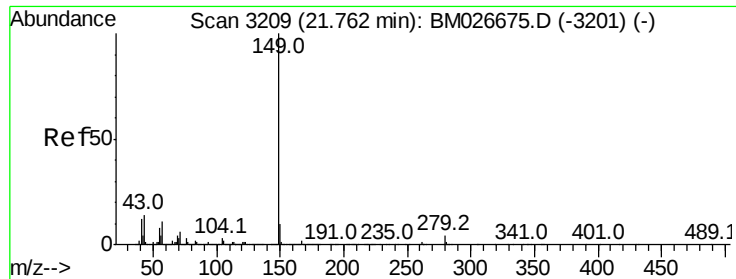
Abundance

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: 7.545 ng

RT: 21.76 min Scan# 3209

Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

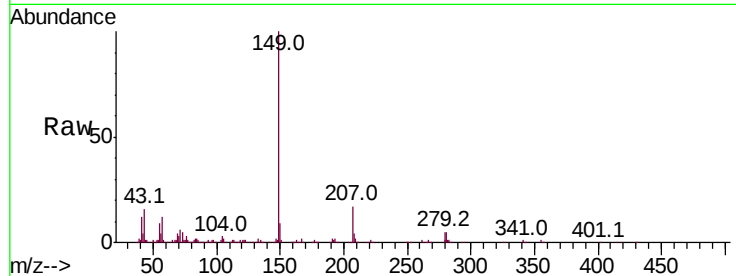
Tot Ion:149 Resp: 226211

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 17.8 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

21.76

250000

200000

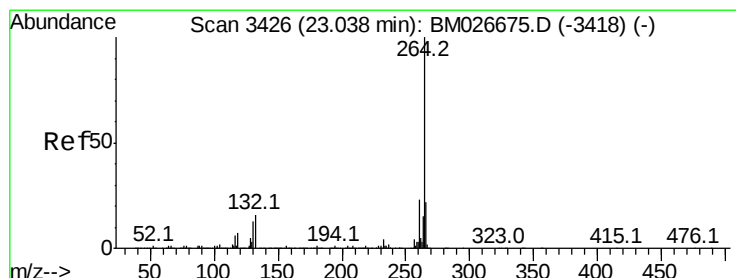
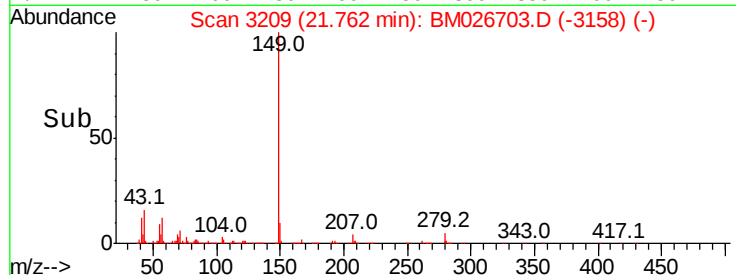
150000

100000

50000

0

Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.04 min Scan# 3426

Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

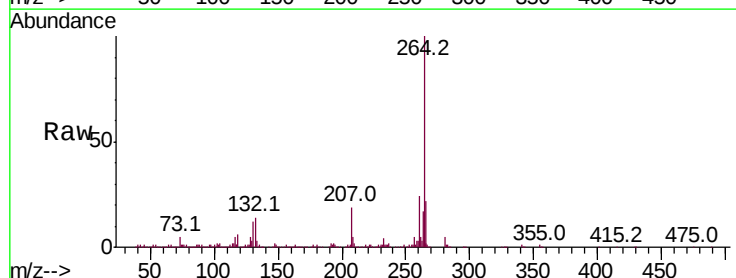
Tgt Ion:264 Resp: 431581

Ion Ratio Lower Upper

264 100

260 24.2 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

23.04

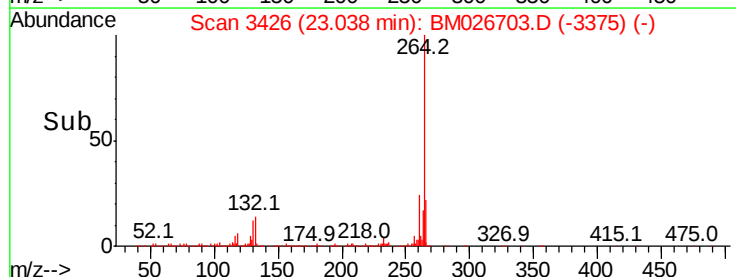
300000

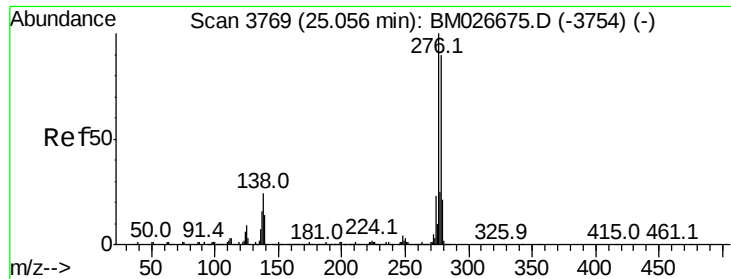
200000

100000

0

Time-->

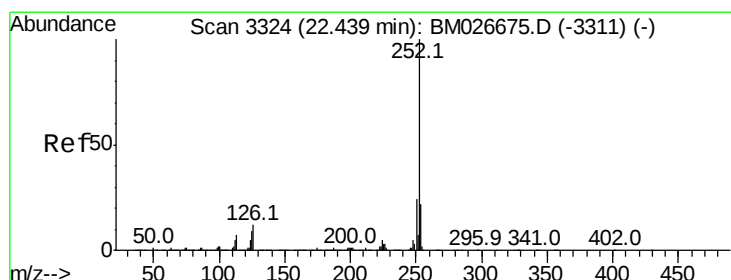
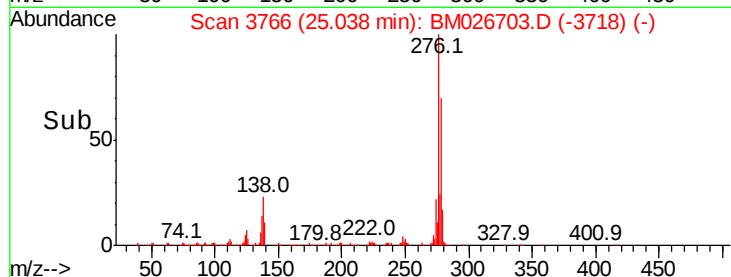
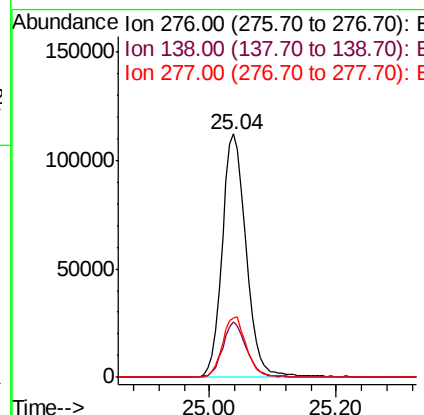
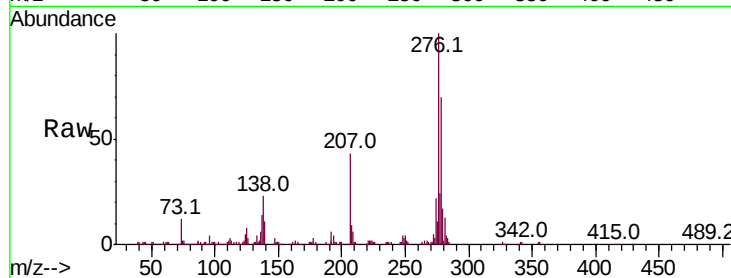




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.648 ng
 RT: 25.04 min Scan# 3766
 Delta R.T. -0.02 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

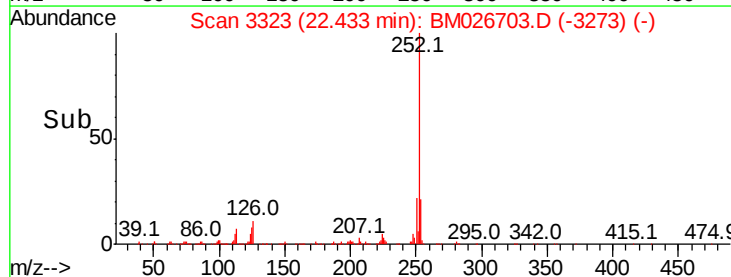
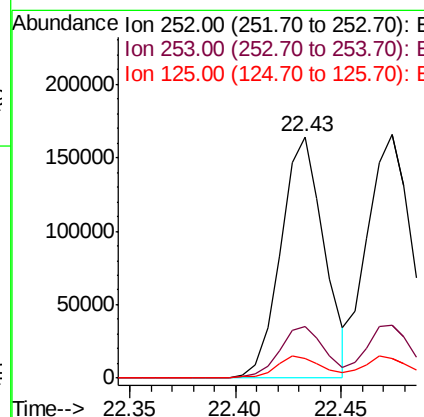
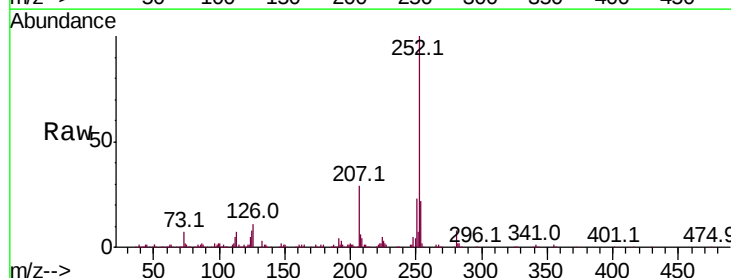
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

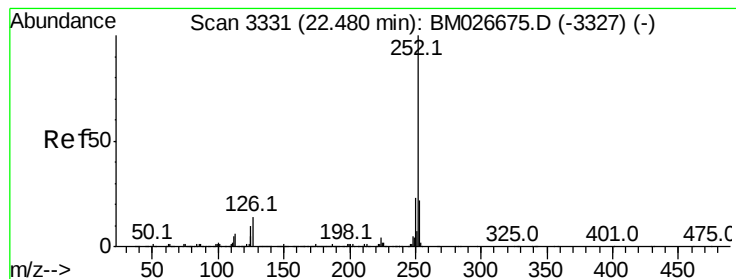
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.5	18.4	27.6
277	24.9	20.0	30.0



#88
 Benzo(b)fluoranthene
 Concen: 8.210 ng
 RT: 22.43 min Scan# 3323
 Delta R.T. -0.01 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	8.3	7.5	11.3





#89

Benzo(k)fluoranthene

Concen: 8.888 ng

RT: 22.47 min Scan# 3330

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

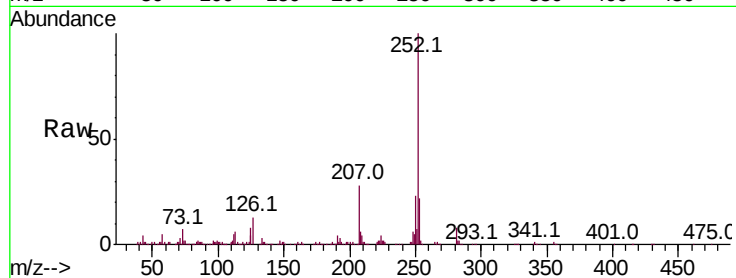
Tot Ion:252 Resp: 247910

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

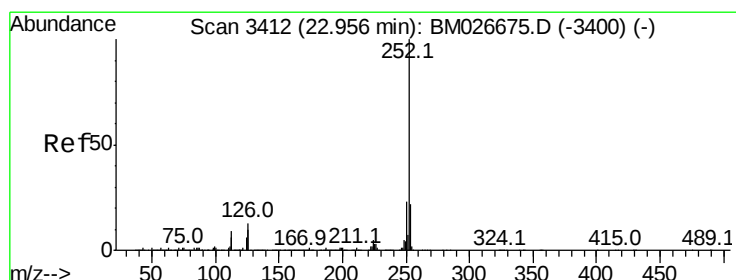
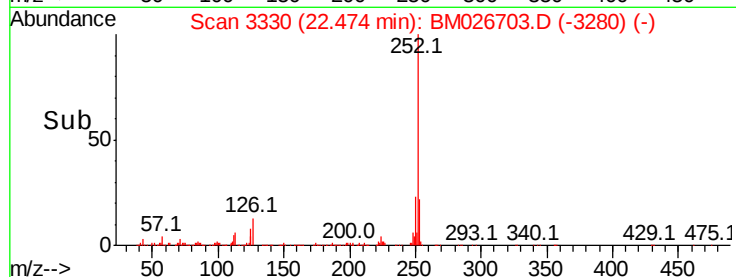
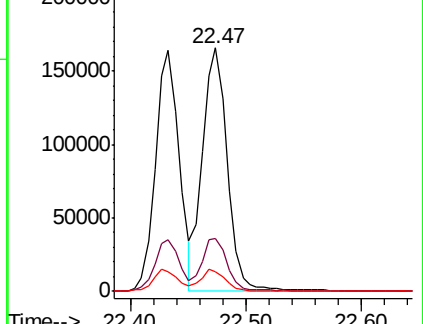
125 8.3 7.8 11.8



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: 8.288 ng

RT: 22.95 min Scan# 3411

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

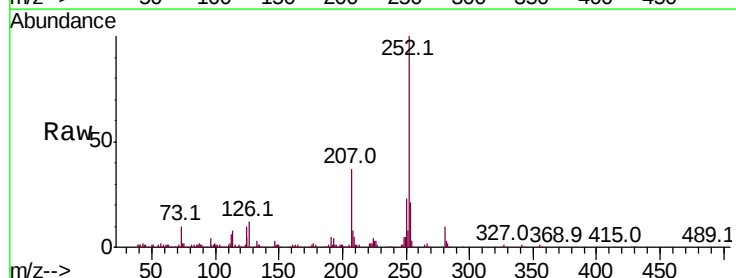
Tgt Ion:252 Resp: 218804

Ion Ratio Lower Upper

252 100

253 20.7 17.4 26.2

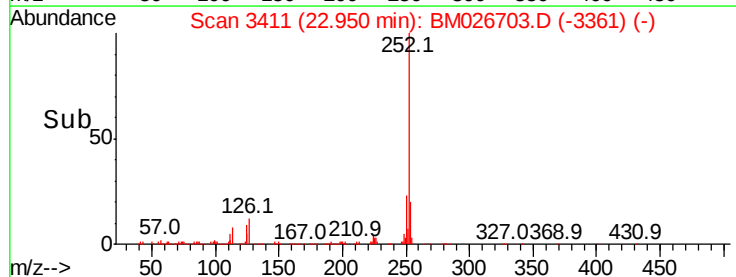
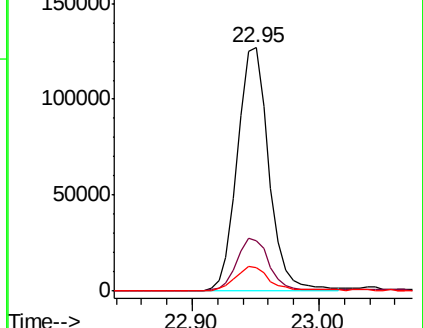
125 9.8 8.2 12.4

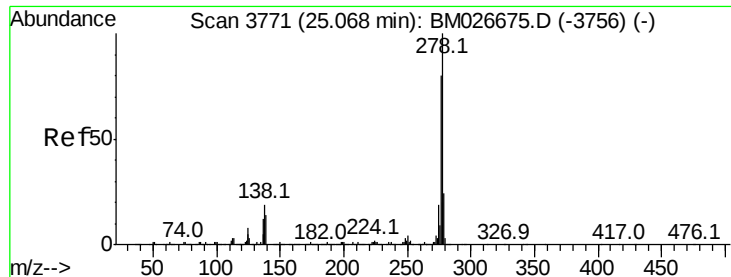


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

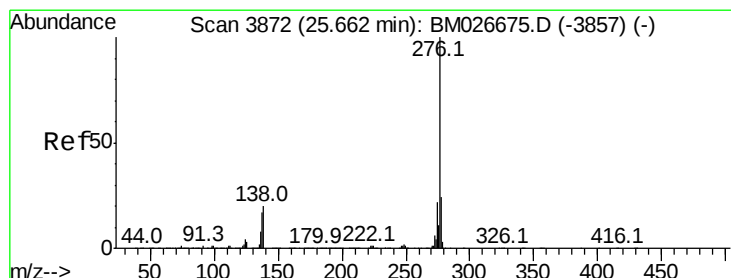
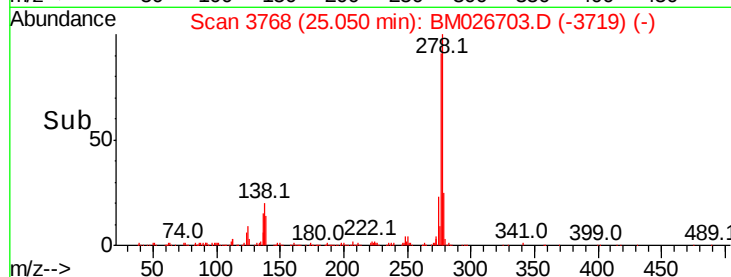
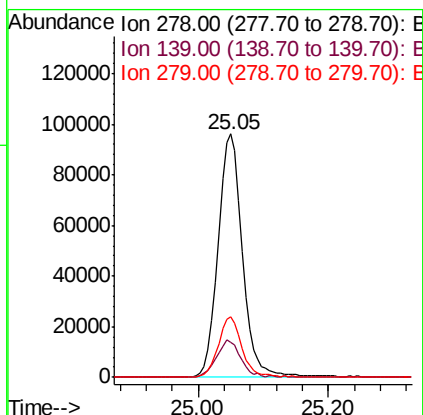
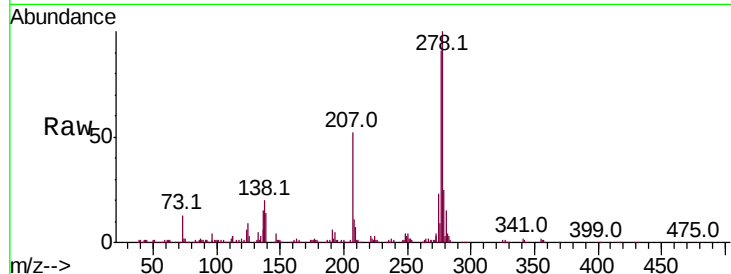




#91
Dibenzo(a,h)anthracene
Concen: 9.627 ng
RT: 25.05 min Scan# 3768
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion:278 Resp: 249696
Ion Ratio Lower Upper
278 100
139 14.2 11.2 16.8
279 24.8 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 10.433 ng
RT: 25.65 min Scan# 3870
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion:276 Resp: 249322
Ion Ratio Lower Upper
276 100
277 22.6 19.1 28.7
138 19.1 15.8 23.8

