

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070820\
 Data File : BM026689.D
 Acq On : 07 Jul 2020 22:44
 Operator : JU/CG
 Sample : L3216-01
 Misc : LOD-MDL-S-8PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Quant Time: Jul 08 05:24:35 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 05:15:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	59962	20.00	ng	0.00
21) Naphthalene-d8	10.08	136	267788	20.00	ng	0.00
39) Acenaphthene-d10	13.99	164	184205	20.00	ng	0.00
64) Phenanthrene-d10	16.74	188	428464	20.00	ng	0.00
76) Chrysene-d12	20.96	240	514169	20.00	ng	-0.01
86) Perylene-d12	23.03	264	532647	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	4.97	112	627140	175.30	ng	0.00
7) Phenol-d6	6.54	99	937915	164.55	ng	0.00
23) Nitrobenzene-d5	8.48	82	981853	156.43	ng	0.00
42) 2,4,6-Tribromophenol	15.50	330	512794	191.11	ng	0.00
45) 2-Fluorobiphenyl	12.60	172	2189059	158.01	ng	0.00
79) Terphenyl-d14	19.42	244	4087478	156.45	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.95	88	17067	9.929	ng	92
3) Pyridine	3.36	79	27430	5.579	ng	93
4) n-Nitrosodimethylamine	3.27	42	21672	7.365	ng	# 87
6) Aniline	6.68	93	52970	7.572	ng	99
8) 2-Chlorophenol	6.90	128	32679	7.668	ng	97
9) Benzaldehyde	6.49	77	36794	11.631	ng	97
10) Phenol	6.56	94	43292	7.685	ng	95
11) bis(2-Chloroethyl)ether	6.78	93	34906	7.411	ng	97
12) 1,3-Dichlorobenzene	7.22	146	35762	7.720	ng	95
13) 1,4-Dichlorobenzene	7.36	146	36458	7.732	ng	98
14) 1,2-Dichlorobenzene	7.67	146	35610	7.582	ng	97
15) Benzyl Alcohol	7.59	79	31867	6.534	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.86	45	73127	7.522	ng	97
17) 2-Methylphenol	7.79	107	28265	6.602	ng	95
18) Hexachloroethane	8.37	117	13674	7.302	ng	97
19) n-Nitroso-di-n-propylamine	8.14	70	34282	7.229	ng	99
20) 3+4-Methylphenols	8.12	107	37801	6.422	ng	98
22) Acetophenone	8.15	105	59863	7.867	ng	# 96
24) Nitrobenzene	8.52	77	49372	7.477	ng	99
25) Isophorone	9.05	82	85420	7.097	ng	99
26) 2-Nitrophenol	9.22	139	15592	6.398	ng	86
27) 2,4-Dimethylphenol	9.30	122	30987	7.819	ng	92
28) bis(2-Chloroethoxy)methane	9.53	93	49798	7.489	ng	98
29) 2,4-Dichlorophenol	9.76	162	29510	6.761	ng	98
30) 1,2,4-Trichlorobenzene	9.96	180	36398	7.475	ng	96
31) Naphthalene	10.13	128	110432	7.414	ng	99
32) Benzoic acid	9.42	122	5921	1.969	ng	# 79
33) 4-Chloroaniline	10.27	127	45359	6.962	ng	96
34) Hexachlorobutadiene	10.42	225	23662	7.338	ng	97
35) Caprolactam	11.05	113	10208	6.603	ng	# 83
36) 4-Chloro-3-methylphenol	11.41	107	38269	6.938	ng	99
37) 2-Methylnaphthalene	11.76	142	83054	7.528	ng	97
38) 1-Methylnaphthalene	11.99	142	80513	7.617	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.15	216	47460	7.970	ng	99

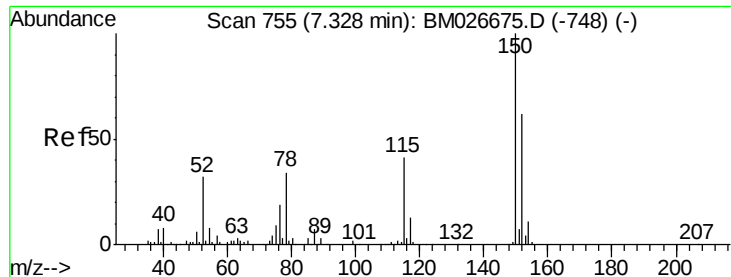
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070820\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.12	237	15379	5.413	ng	98
43) 2,4,6-Trichlorophenol	12.41	196	25539	6.547	ng	97
44) 2,4,5-Trichlorophenol	12.49	196	29640	6.466	ng	92
46) 1,1'-Biphenyl	12.81	154	119519	8.214	ng	99
47) 2-Chloronaphthalene	12.85	162	85235	7.251	ng	100
48) 2-Nitroaniline	13.07	65	30245	6.253	ng	97
49) Acenaphthylene	13.70	152	137611	7.323	ng	98
50) Dimethylphthalate	13.47	163	115685	7.342	ng	100
51) 2,6-Dinitrotoluene	13.59	165	23724	7.032	ng	93
52) Acenaphthene	14.05	154	83309	7.295	ng	99
53) 3-Nitroaniline	13.92	138	20460	5.829	ng	# 98
54) 2,4-Dinitrophenol	14.16	184	6355	3.218	ng	89
55) Dibenzofuran	14.39	168	137551	7.346	ng	98
56) 4-Nitrophenol	14.26	139	12318	4.472	ng	93
57) 2,4-Dinitrotoluene	14.39	165	31019	6.370	ng	91
58) Fluorene	15.05	166	109331	7.052	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.64	232	28939	7.229	ng	98
60) Diethylphthalate	14.85	149	119134	7.151	ng	99
61) 4-Chlorophenyl-phenylether	15.06	204	58705	6.989	ng	99
62) 4-Nitroaniline	15.09	138	16611	4.534	ng	95
63) Azobenzene	15.35	77	130695	7.142	ng	97
65) 4,6-Dinitro-2-methylphenol	15.17	198	14599	5.012	ng	89
66) n-Nitrosodiphenylamine	15.27	169	96771	7.107	ng	98
67) 4-Bromophenyl-phenylether	15.95	248	35991	6.749	ng	94
68) Hexachlorobenzene	16.06	284	40996	7.304	ng	97
69) Atrazine	16.24	200	34711	8.478	ng	99
70) Pentachlorophenol	16.42	266	16734	5.270	ng	95
71) Phenanthrene	16.79	178	186101	7.357	ng	99
72) Anthracene	16.88	178	182265	7.238	ng	99
73) Carbazole	17.16	167	161376	6.722	ng	100
74) Di-n-butylphthalate	17.75	149	200609	6.646	ng	99
75) Fluoranthene	18.82	202	226864	7.282	ng	98
77) Benzidine	19.03	184	88702	8.750	ng	99
78) Pyrene	19.19	202	238285	7.357	ng	100
80) Butylbenzylphthalate	20.13	149	93916	6.461	ng	97
81) Benzo(a)anthracene	20.95	228	255025	7.384	ng	100
82) 3,3'-Dichlorobenzidine	20.90	252	87201	7.955	ng	99
83) Chrysene	21.00	228	247436	7.361	ng	98
84) Bis(2-ethylhexyl)phthalate	20.92	149	156640	6.727	ng	97
85) Di-n-octyl phthalate	21.76	149	260907	6.555	ng	97
87) Indeno(1,2,3-cd)pyrene	25.04	276	283011	7.463	ng	100
88) Benzo(b)fluoranthene	22.43	252	259925	7.406	ng	98
89) Benzo(k)fluoranthene	22.47	252	268171	7.790	ng	99
90) Benzo(a)pyrene	22.94	252	229191	7.035	ng	98
91) Dibenzo(a,h)anthracene	25.04	278	238418	7.448	ng	99
92) Benzo(g,h,i)perylene	25.64	276	232660	7.888	ng	97

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

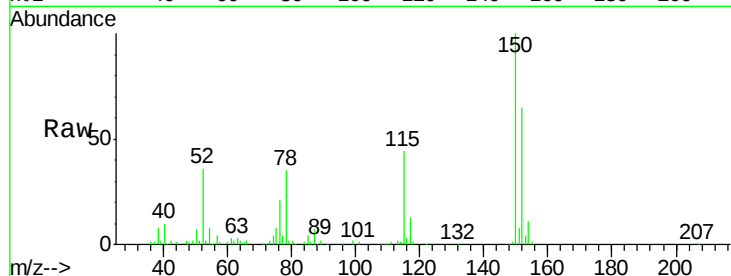


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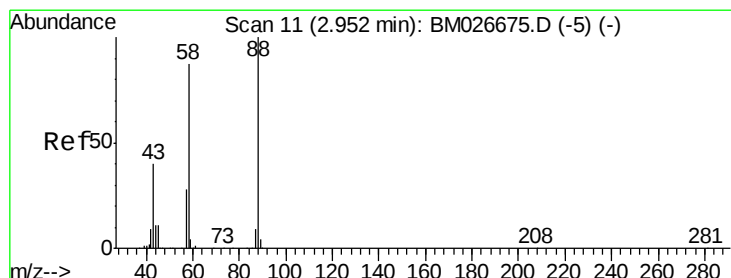
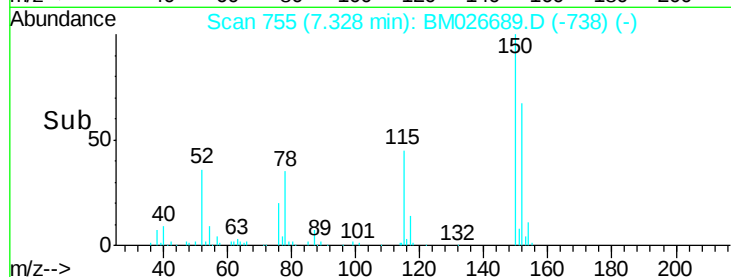
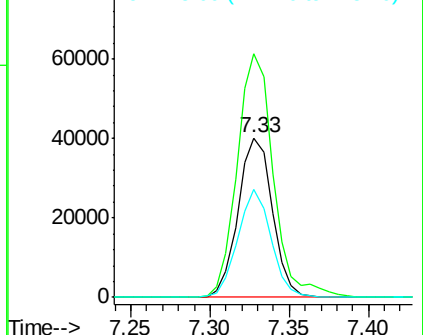
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.33 min Scan# 755
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:152 Resp: 59962
Ion Ratio Lower Upper
152 100
150 152.8 128.1 192.1
115 67.8 52.2 78.4



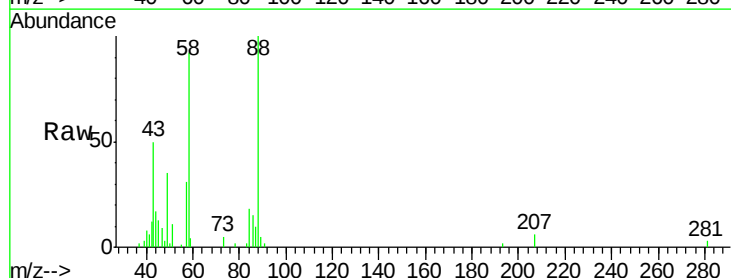
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



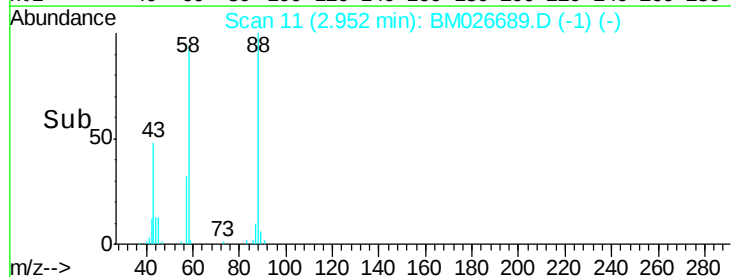
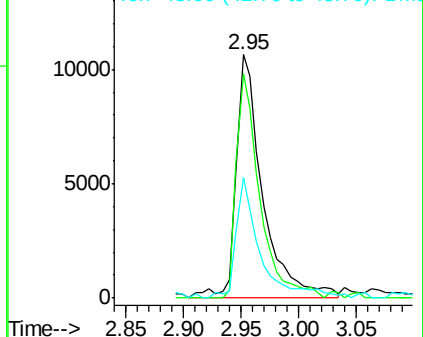
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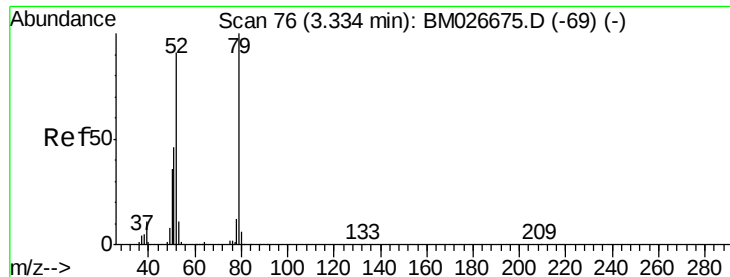
1,4-Dioxane
Concen: 9.929 ng
RT: 2.95 min Scan# 11
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion: 88 Resp: 17067
Ion Ratio Lower Upper
88 100
58 81.1 73.2 109.8
43 44.8 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: 5.579 ng

RT: 3.36 min Scan# 81

Delta R.T. 0.03 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

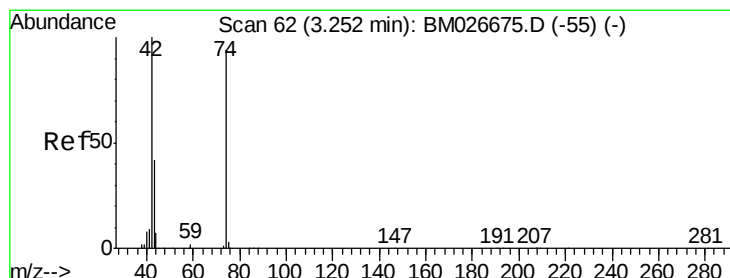
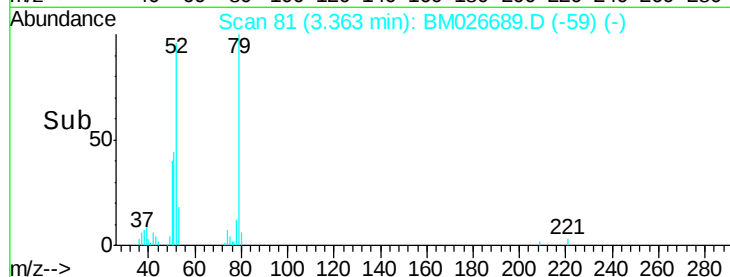
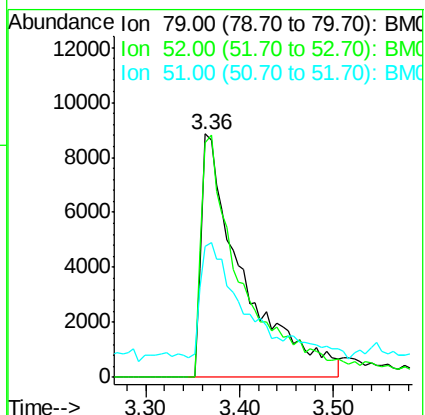
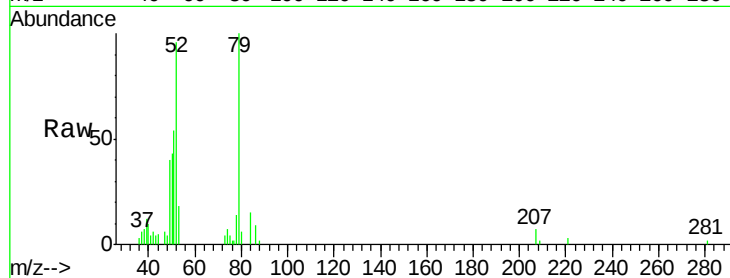
Tot Ion: 79 Resp: 27430

Ion Ratio Lower Upper

79 100

52 96.5 72.9 109.3

51 54.0 37.6 56.4



#4

n-Nitrosodimethylamine

Concen: 7.365 ng

RT: 3.27 min Scan# 65

Delta R.T. 0.02 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

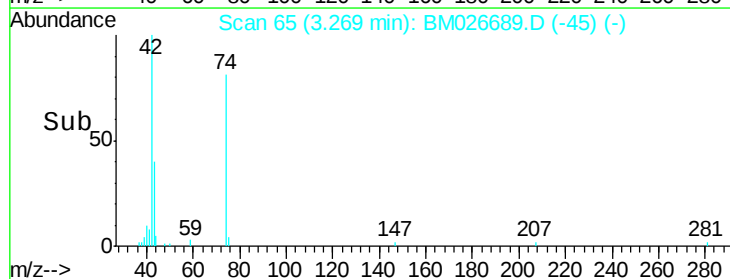
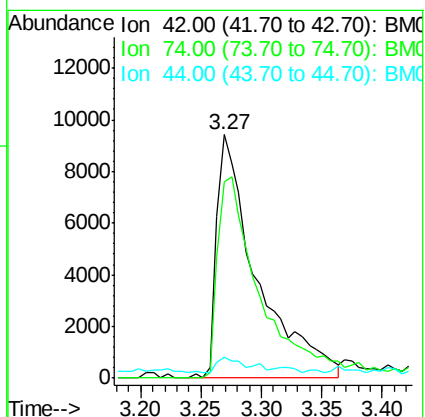
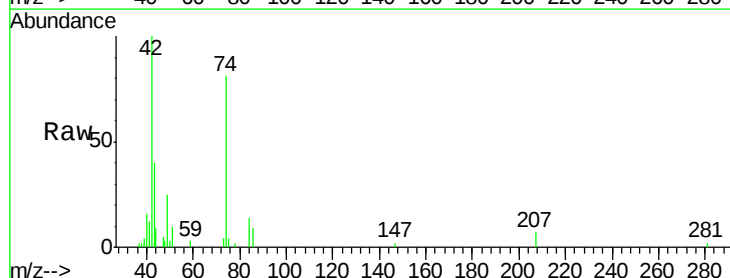
Tgt Ion: 42 Resp: 21672

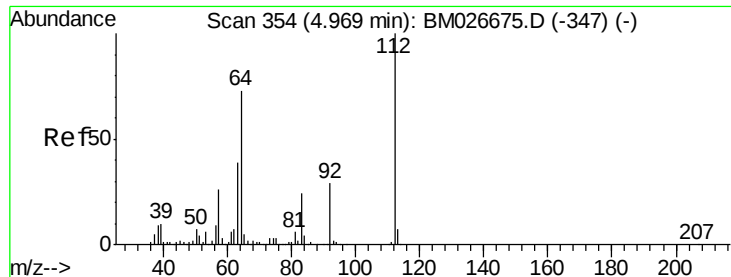
Ion Ratio Lower Upper

42 100

74 80.7 75.1 112.7

44 8.7 5.7 8.5#





#5

2-Fluorophenol

Concen: 175.302 ng

RT: 4.97 min Scan# 354

Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

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ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

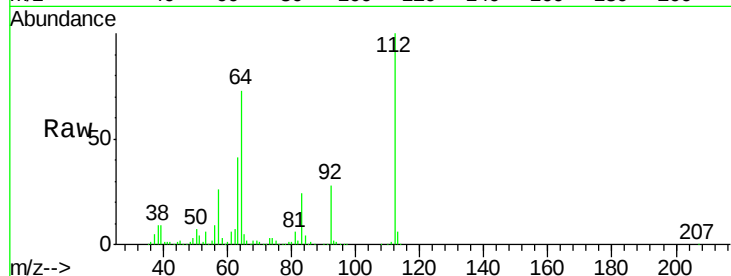
Tot Ion:112 Resp: 627140

Ion Ratio Lower Upper

112 100

64 73.1 58.4 87.6

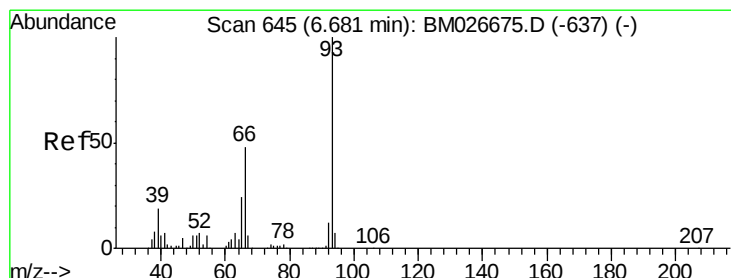
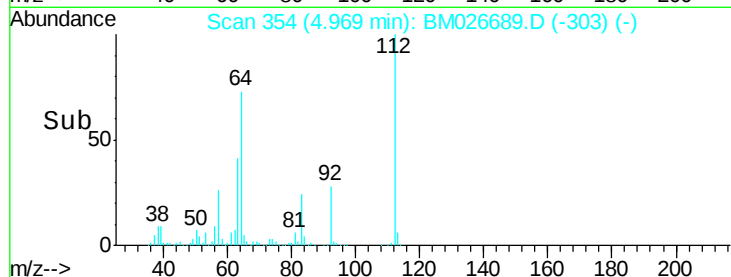
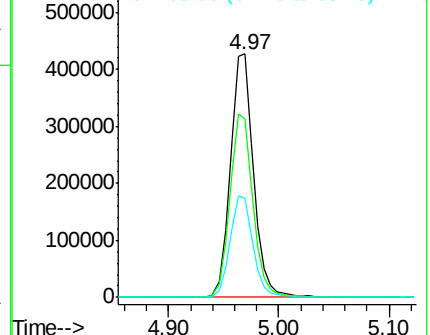
63 40.5 31.5 47.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#6

Aniline

Concen: 7.572 ng

RT: 6.68 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

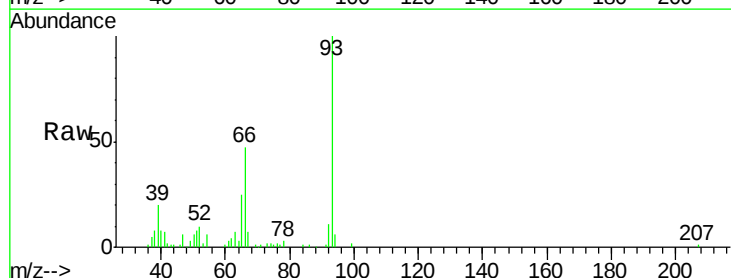
Tgt Ion: 93 Resp: 52970

Ion Ratio Lower Upper

93 100

66 46.9 38.2 57.4

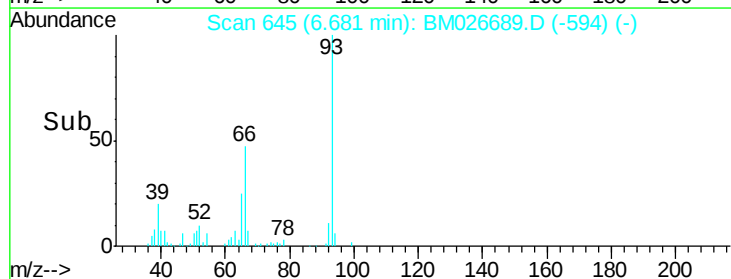
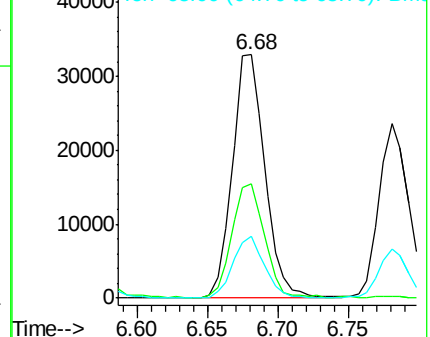
65 25.4 19.6 29.4

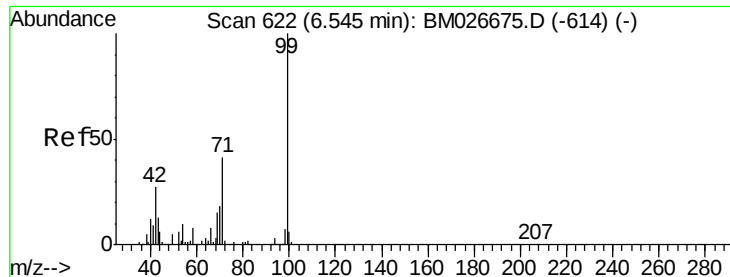


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0





#7

Phenol-d6

Concen: 164.551 ng

RT: 6.54 min Scan# 621

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

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ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

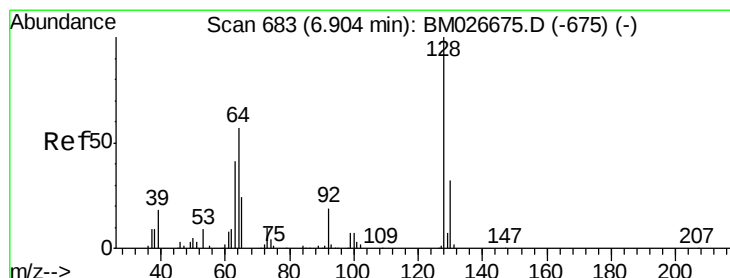
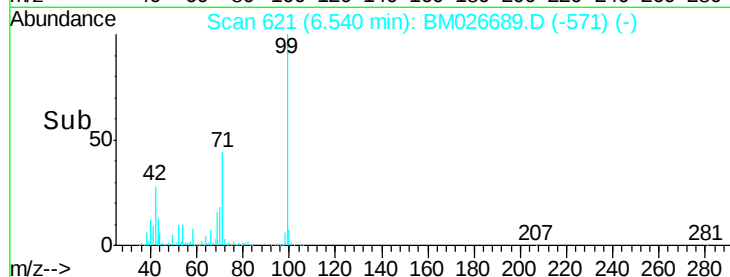
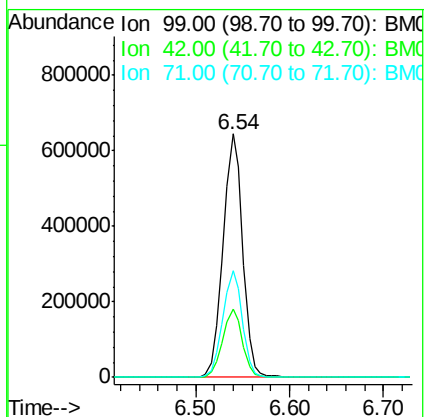
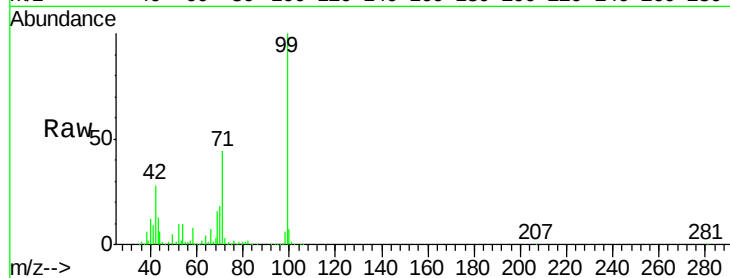
Tot Ion: 99 Resp: 937915

Ion Ratio Lower Upper

99 100

42 27.9 21.7 32.5

71 43.9 33.2 49.8



#8

2-Chlorophenol

Concen: 7.668 ng

RT: 6.90 min Scan# 683

Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

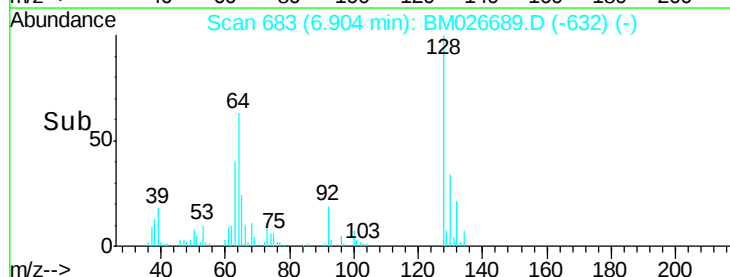
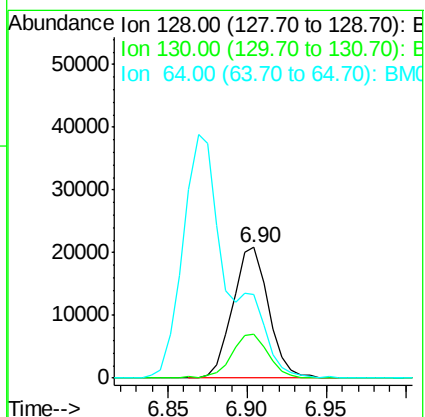
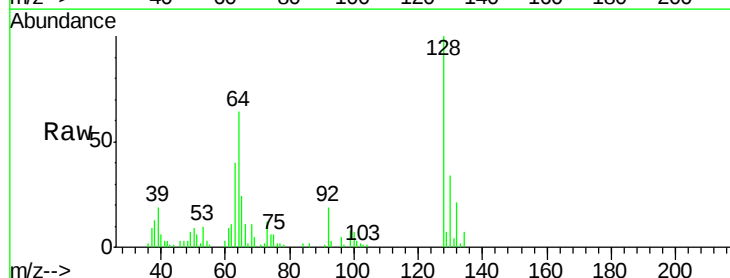
Tgt Ion:128 Resp: 32679

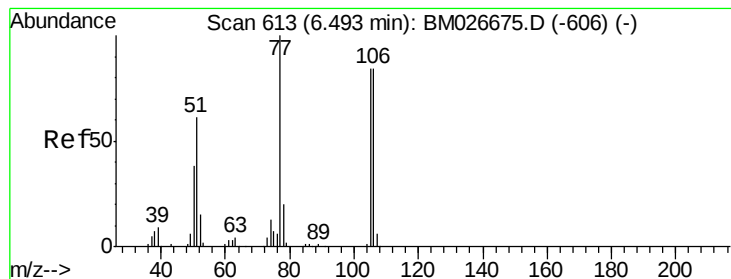
Ion Ratio Lower Upper

128 100

130 33.6 12.2 52.2

64 63.7 41.4 81.4





#9

Benzaldehyde

Concen: 11.631 ng

RT: 6.49 min Scan# 613

Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

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ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

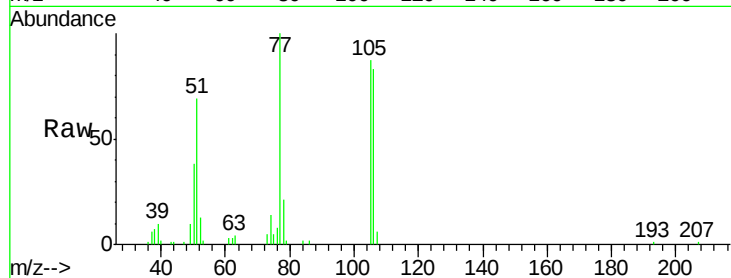
Tot Ion: 77 Resp: 36794

Ion Ratio Lower Upper

77 100

105 87.5 64.4 104.4

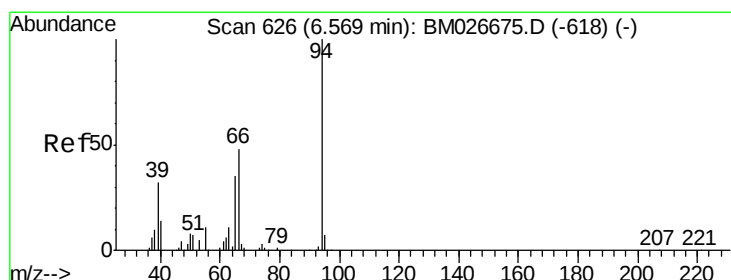
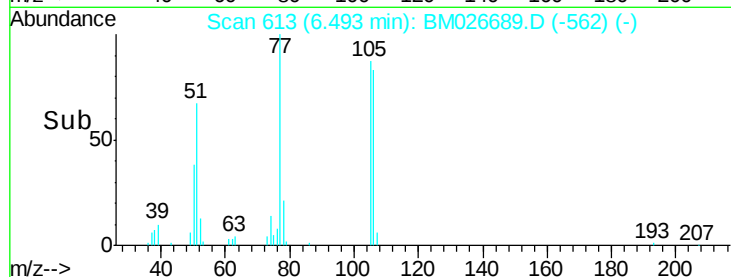
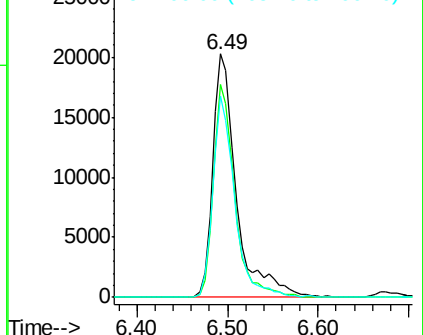
106 82.7 64.3 104.3



Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B



#10

Phenol

Concen: 7.685 ng

RT: 6.56 min Scan# 625

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

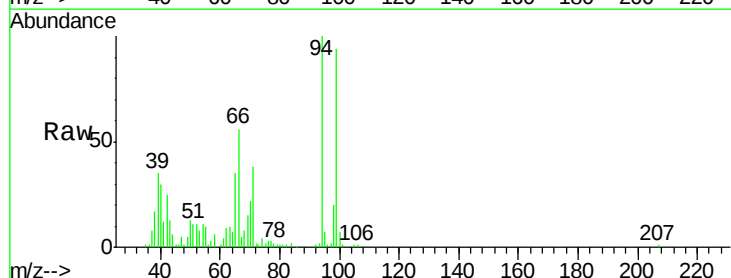
Tgt Ion: 94 Resp: 43292

Ion Ratio Lower Upper

94 100

65 35.1 15.5 55.5

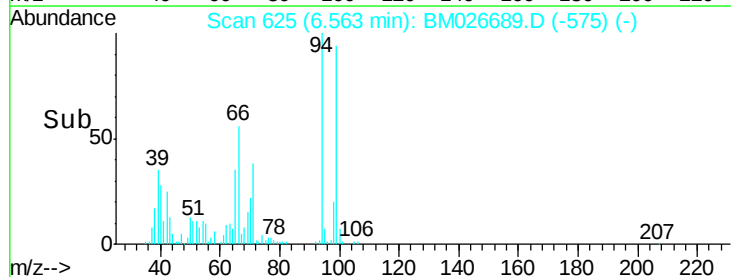
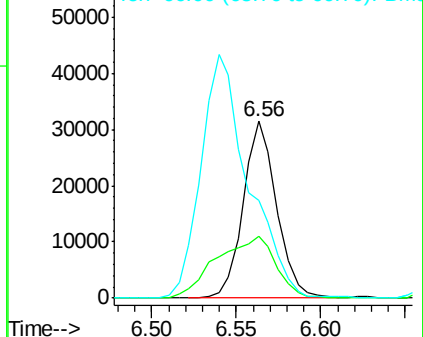
66 55.6 29.8 69.8

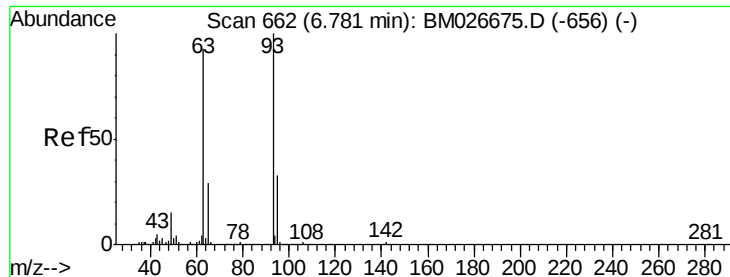


Abundance Ion 94.00 (93.70 to 94.70): BM0

Ion 65.00 (64.70 to 65.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

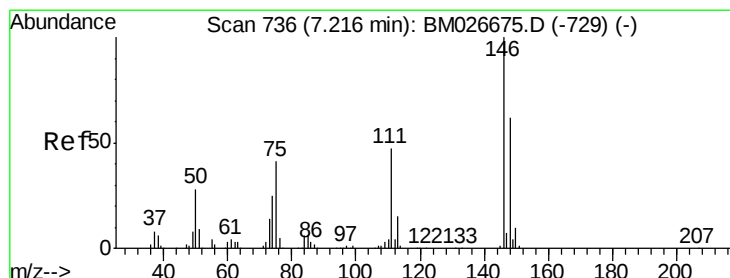
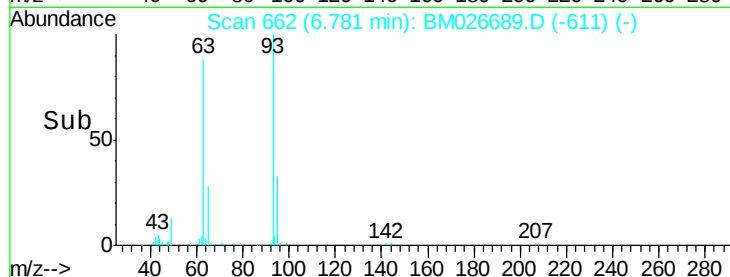
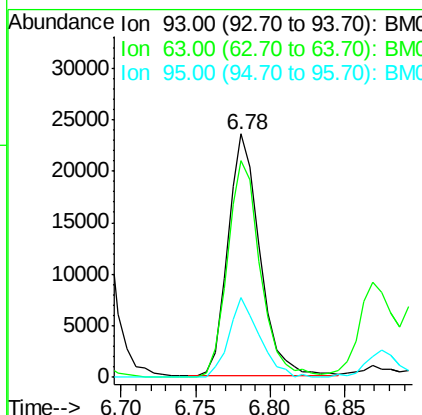
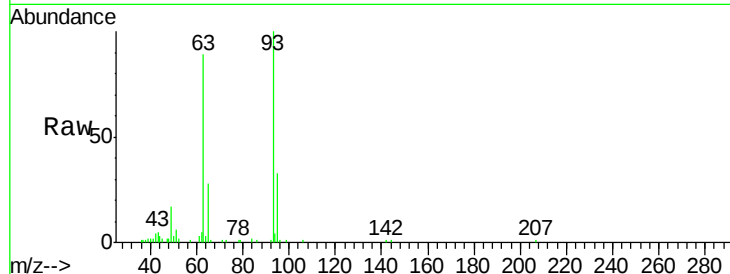




#11
bis(2-Chloroethyl)ether
Concen: 7.411 ng
RT: 6.78 min Scan# 662
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

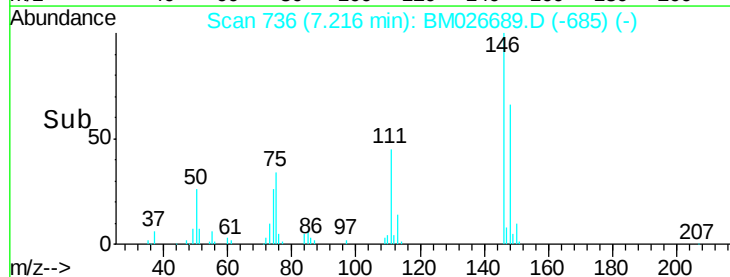
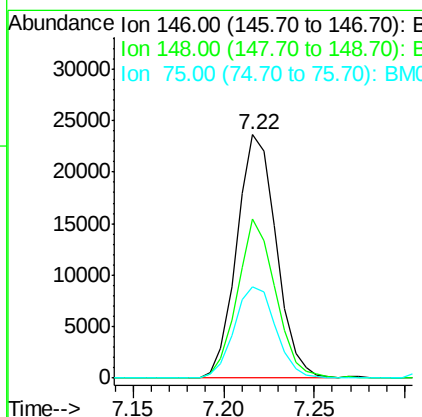
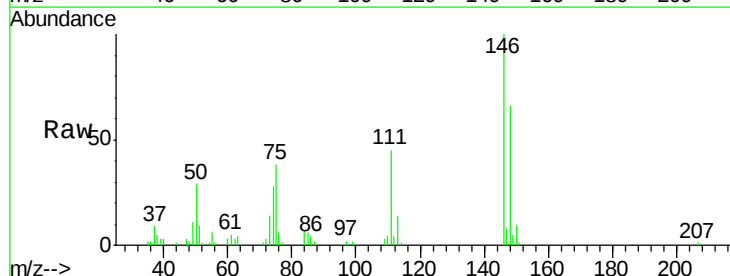
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

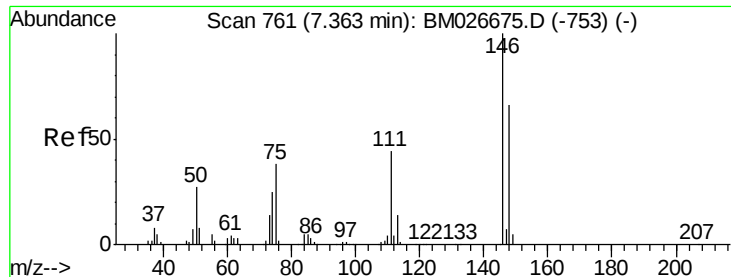
Tot Ion	93	Resp	34906
Ion	Ratio	Lower	Upper
93	100		
63	89.3	72.6	112.6
95	33.0	12.3	52.3



#12
1,3-Dichlorobenzene
Concen: 7.720 ng
RT: 7.22 min Scan# 736
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	146	Resp	35762
Ion	Ratio	Lower	Upper
146	100		
148	65.5	49.7	74.5
75	37.7	32.7	49.1

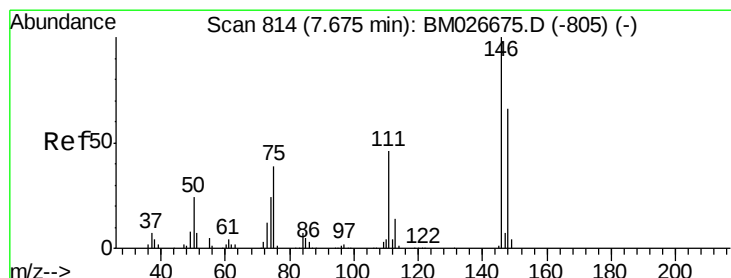
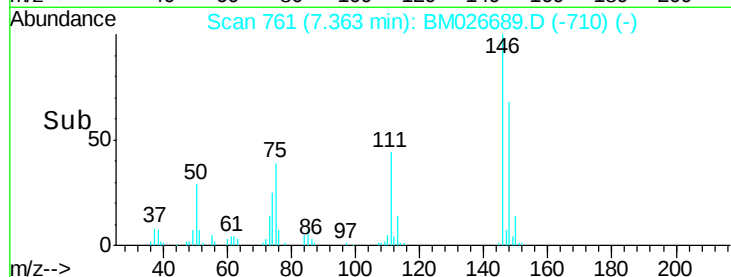
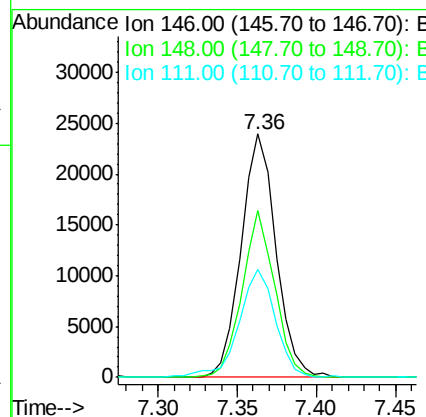
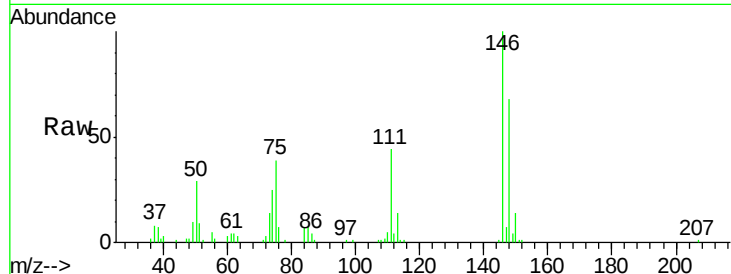




#13
 1,4-Dichlorobenzene
 Concen: 7.732 ng
 RT: 7.36 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

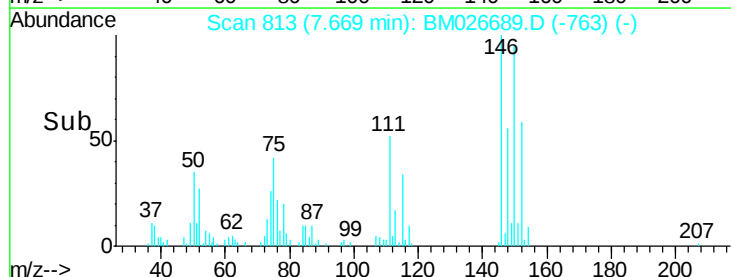
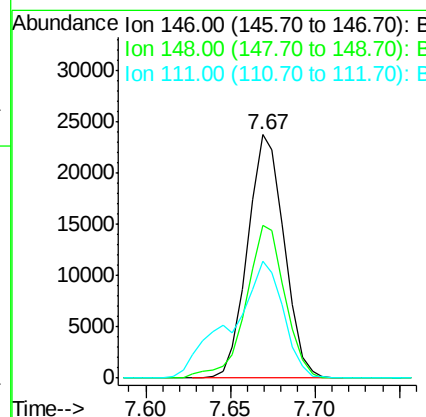
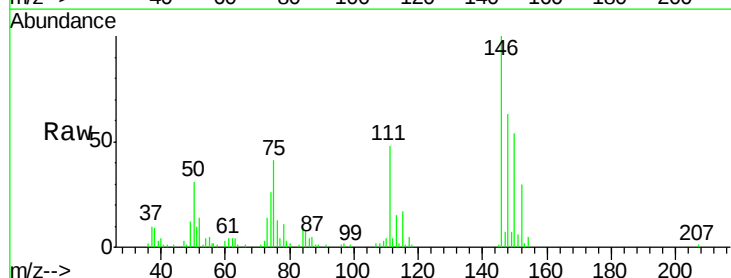
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

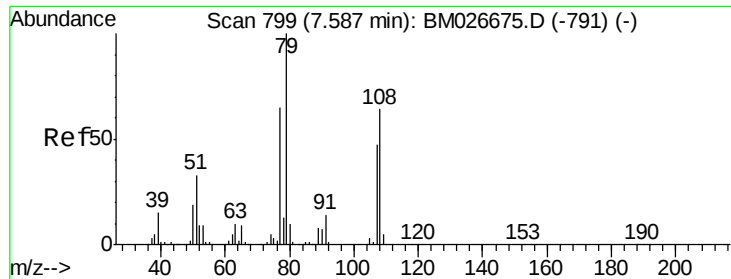
Tot Ion:146 Resp: 36458
 Ion Ratio Lower Upper
 146 100
 148 68.3 52.4 78.6
 111 44.4 35.6 53.4



#14
 1,2-Dichlorobenzene
 Concen: 7.582 ng
 RT: 7.67 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

Tgt Ion:146 Resp: 35610
 Ion Ratio Lower Upper
 146 100
 148 62.7 52.6 78.8
 111 47.9 37.2 55.8

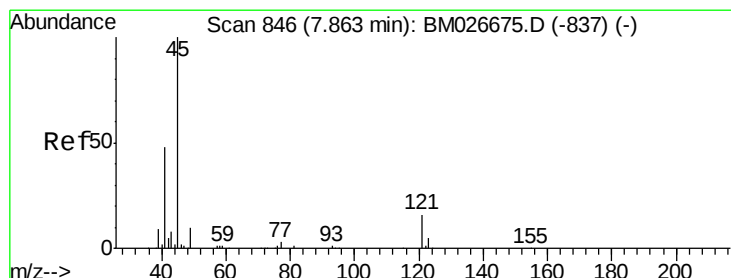
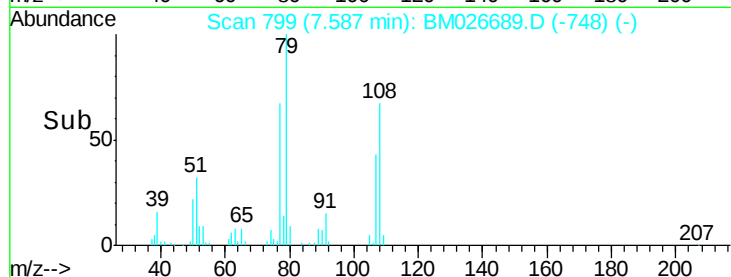
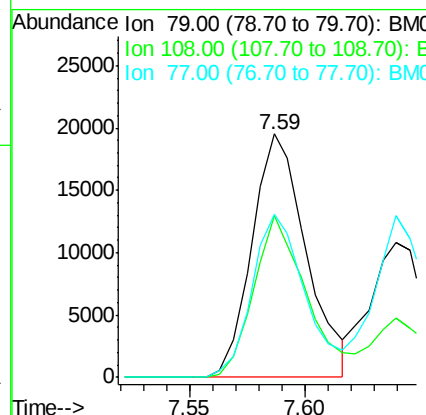
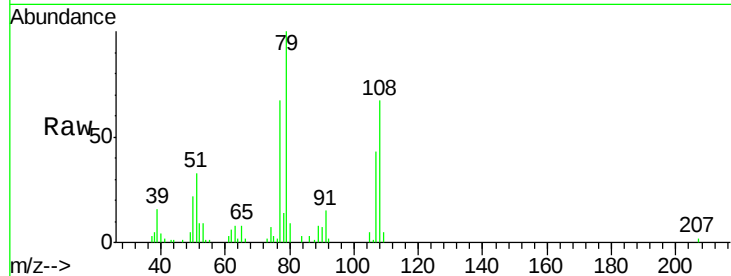




#15
Benzyl Alcohol
Concen: 6.534 ng
RT: 7.59 min Scan# 799
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

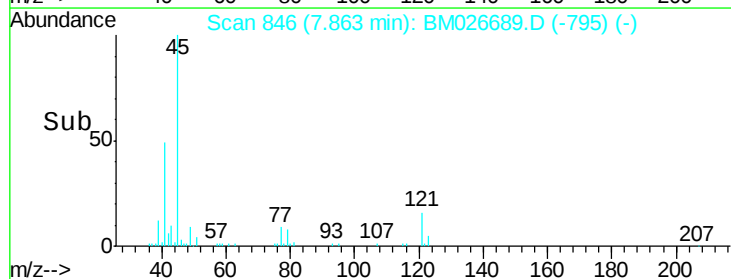
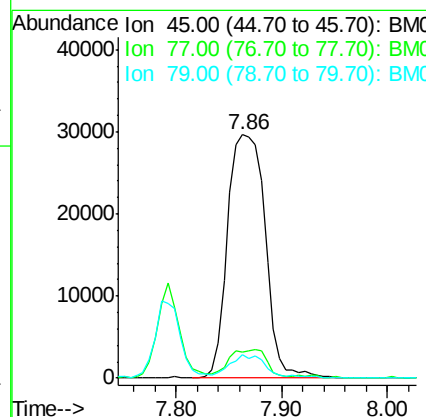
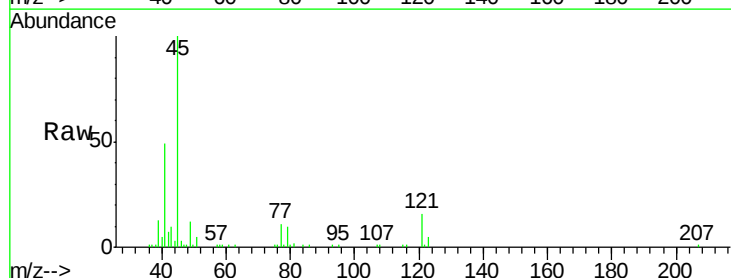
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

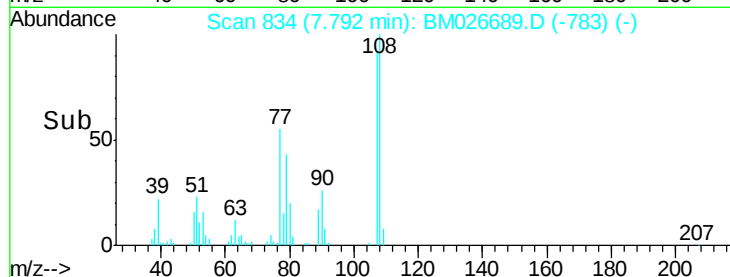
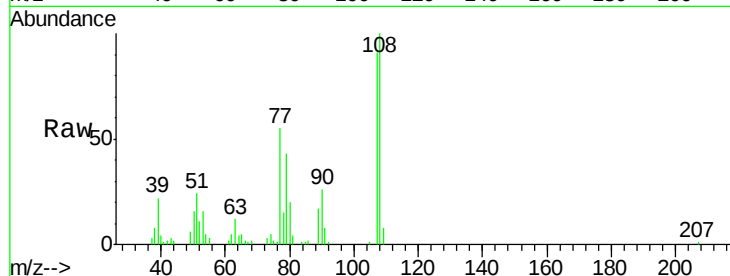
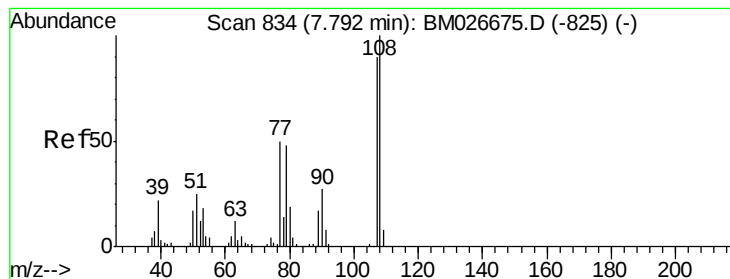
Tot Ion: 79 Resp: 31867
Ion Ratio Lower Upper
79 100
108 66.5 51.0 76.4
77 67.0 52.1 78.1



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.522 ng
RT: 7.86 min Scan# 846
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion: 45 Resp: 73127
Ion Ratio Lower Upper
45 100
77 10.5 0.0 31.4
79 9.6 0.0 28.4





#17

2-Methylphenol

Concen: 6.602 ng

RT: 7.79 min Scan# 834

Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:107 Resp: 28265

Ion Ratio Lower Upper

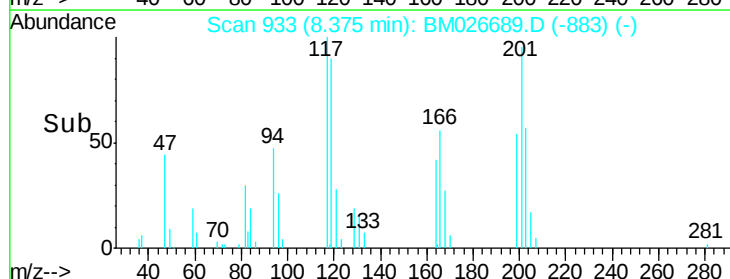
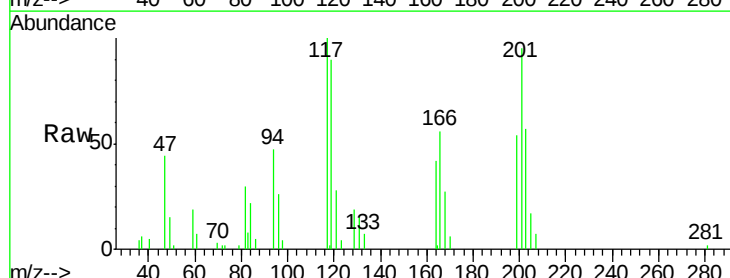
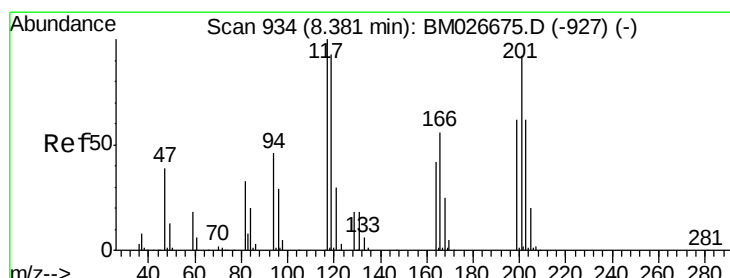
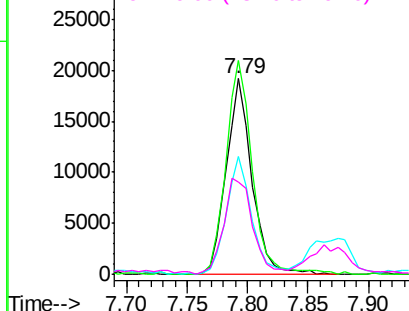
107 100

108 109.4 89.4 134.0

77 60.4 45.2 67.8

79 47.4 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: 7.302 ng

RT: 8.37 min Scan# 933

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Tgt Ion:117 Resp: 13674

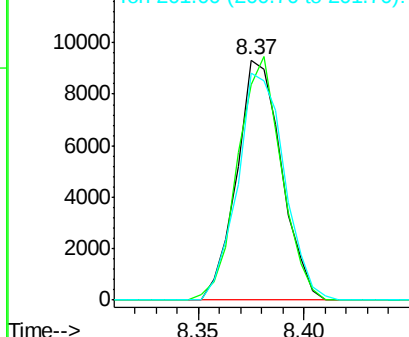
Ion Ratio Lower Upper

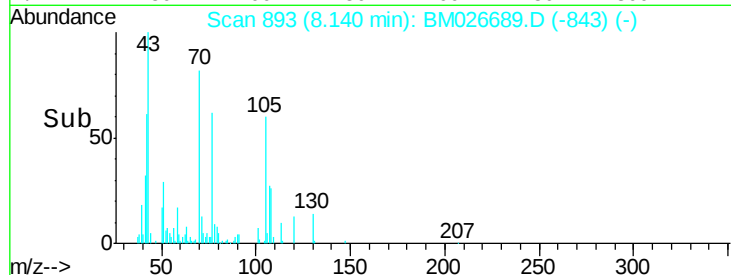
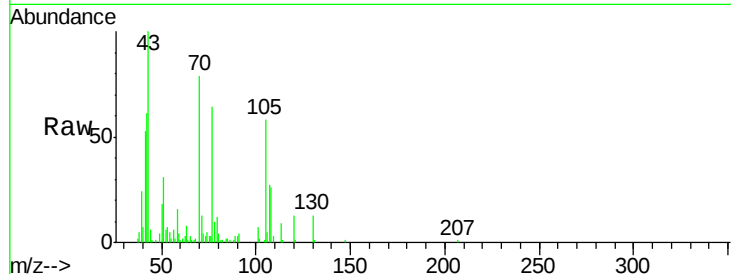
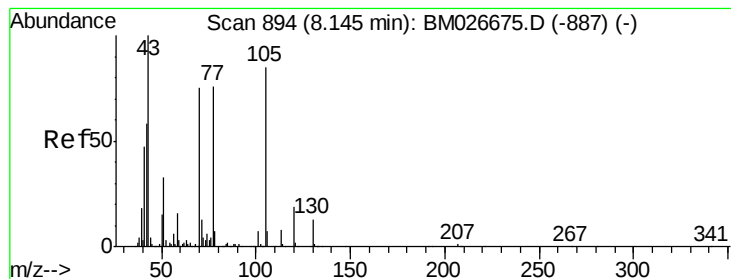
117 100

119 90.1 74.2 111.2

201 94.5 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: 7.229 ng

RT: 8.14 min Scan# 893

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 70 Resp: 34282

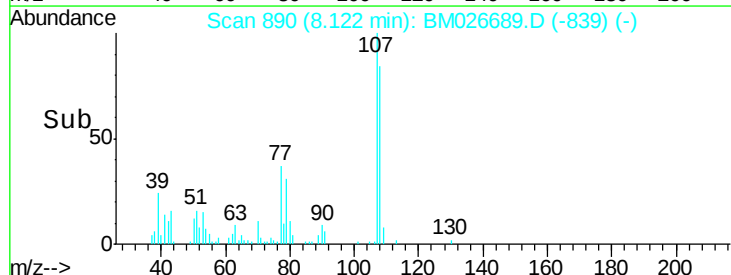
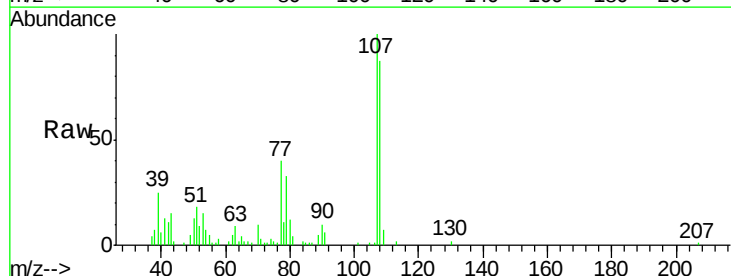
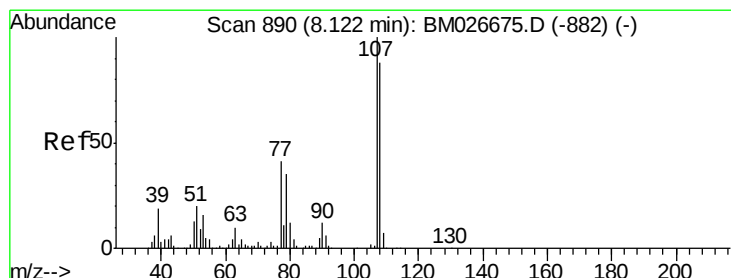
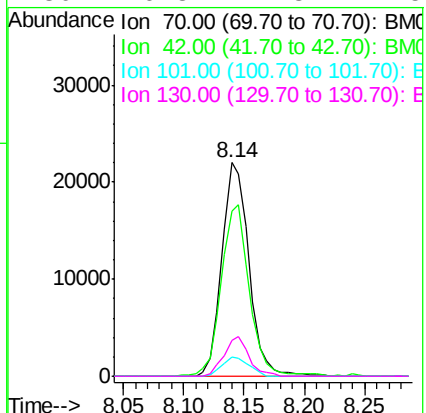
Ion Ratio Lower Upper

70 100

42 77.2 62.3 93.5

101 8.9 7.1 10.7

130 16.8 14.3 21.5



#20

3+4-Methylphenols

Concen: 6.422 ng

RT: 8.12 min Scan# 890

Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Tgt Ion: 107 Resp: 37801

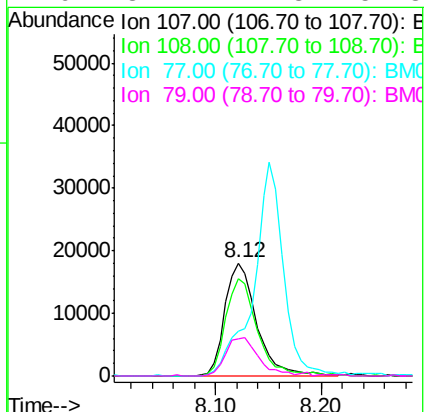
Ion Ratio Lower Upper

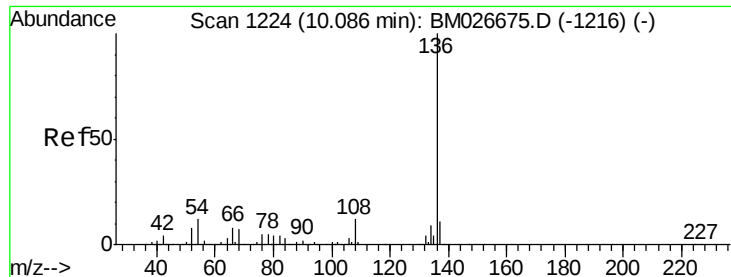
107 100

108 86.6 68.5 108.5

77 40.0 20.8 60.8

79 32.7 14.8 54.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.08 min Scan# 1223

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:136 Resp: 267788

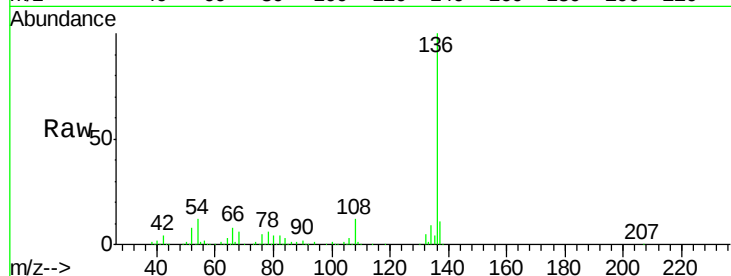
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 11.7 9.8 14.6

68 6.2 5.8 8.6

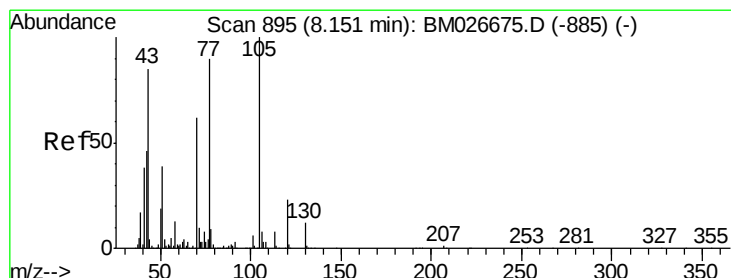
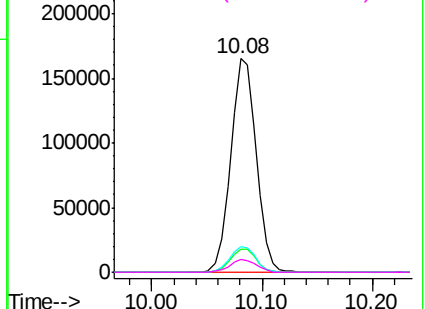
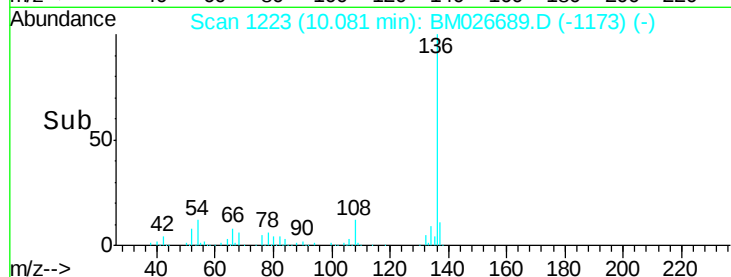


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22

Acetophenone

Concen: 7.867 ng

RT: 8.15 min Scan# 895

Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Tgt Ion:105 Resp: 59863

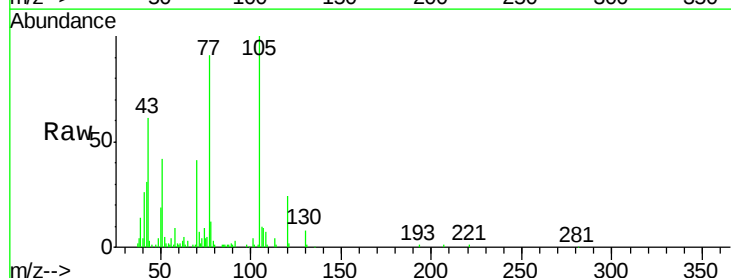
Ion Ratio Lower Upper

105 100

71 7.0 8.1 12.1#

51 42.0 31.9 47.9

120 23.7 18.0 27.0

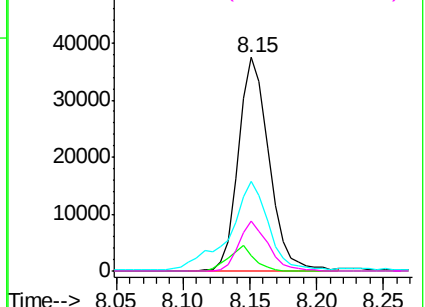
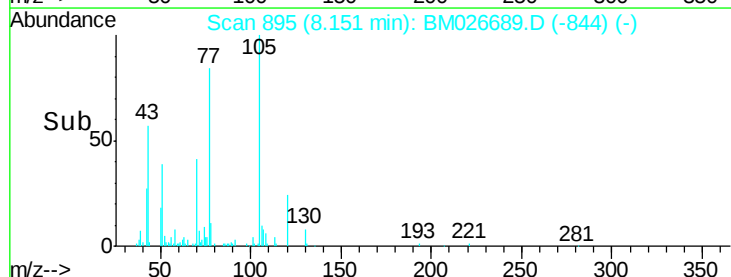


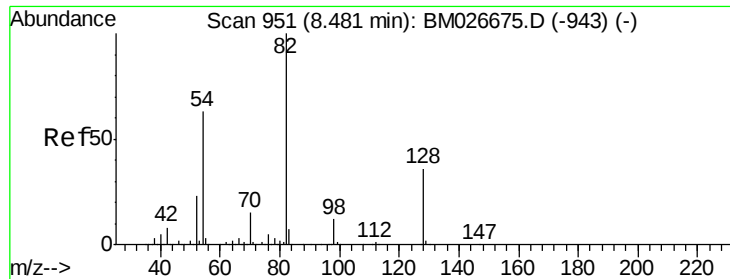
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E

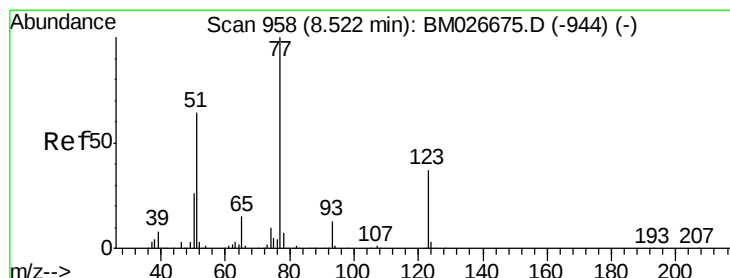
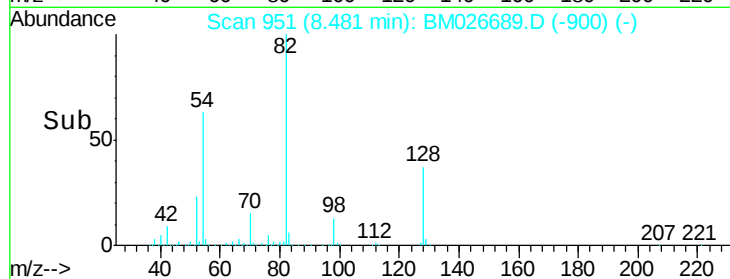
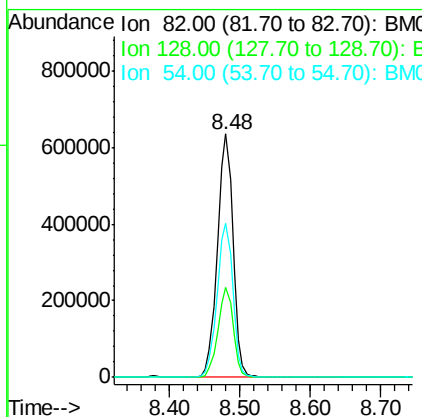
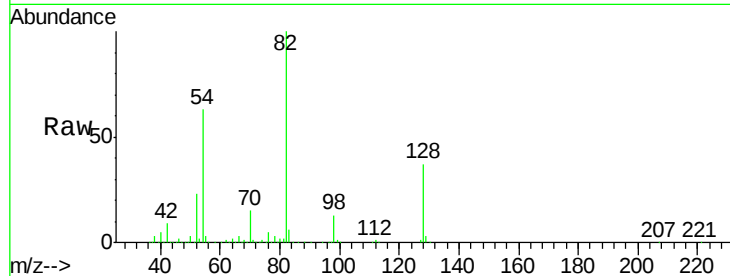




#23
 Nitrobenzene-d5
 Concen: 156.426 ng
 RT: 8.48 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

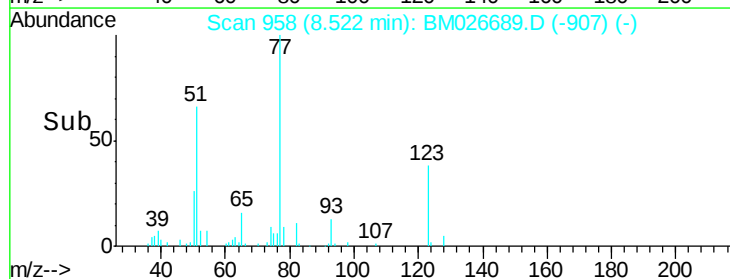
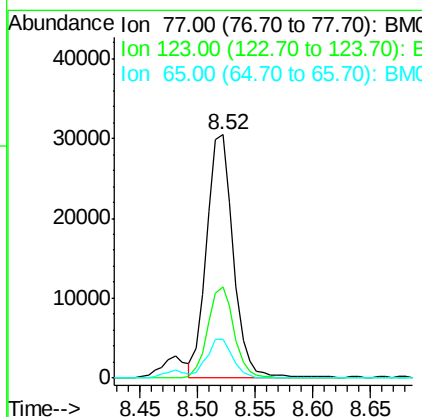
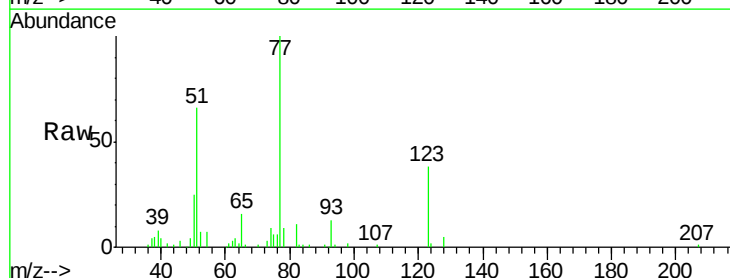
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

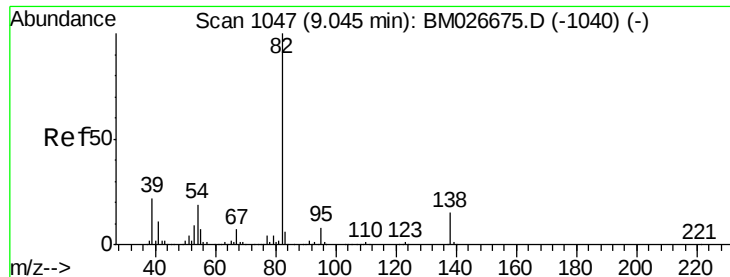
Tot Ion	82	Resp	981853
Ion Ratio	100	Lower	Upper
128	36.8	29.1	43.7
54	63.1	50.2	75.4



#24
 Nitrobenzene
 Concen: 7.477 ng
 RT: 8.52 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

Tgt Ion	77	Resp	49372
Ion Ratio	100	Lower	Upper
123	37.6	29.8	44.6
65	16.1	12.2	18.4





#25

Isophorone

Concen: 7.097 ng

RT: 9.05 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

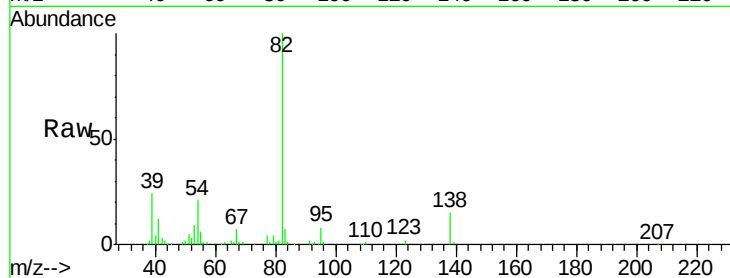
Tot Ion: 82 Resp: 85420

Ion Ratio Lower Upper

82 100

95 8.1 6.3 9.5

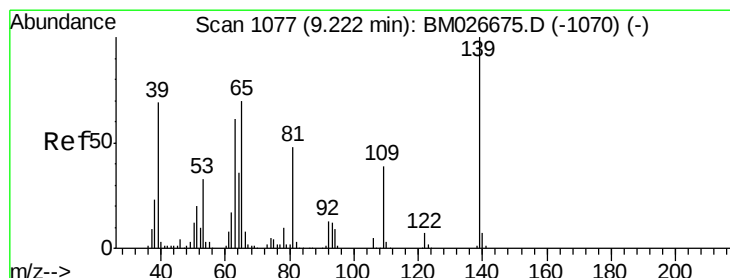
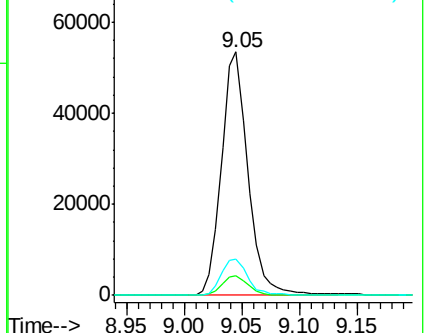
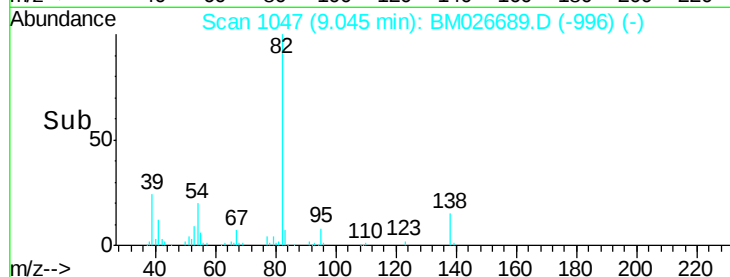
138 14.7 12.0 18.0



Abundance Ion 82.00 (81.70 to 82.70): BM026689.D (-996) (-)

Ion 95.00 (94.70 to 95.70): BM026689.D (-996) (-)

Ion 138.00 (137.70 to 138.70): BM026689.D (-996) (-)



#26

2-Nitrophenol

Concen: 6.398 ng

RT: 9.22 min Scan# 1077

Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

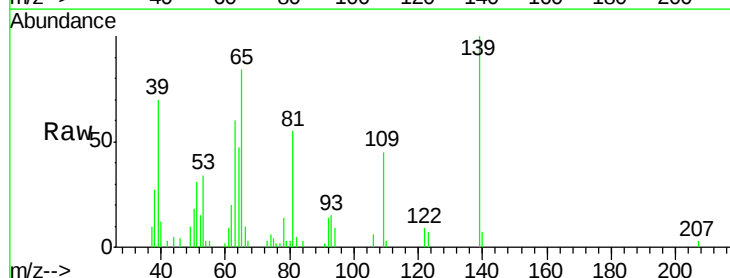
Tgt Ion: 139 Resp: 15592

Ion Ratio Lower Upper

139 100

109 45.0 30.8 46.2

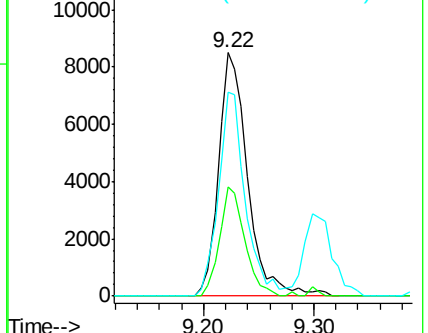
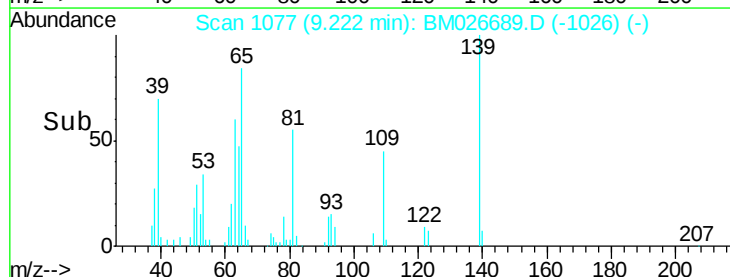
65 83.8 56.2 84.4

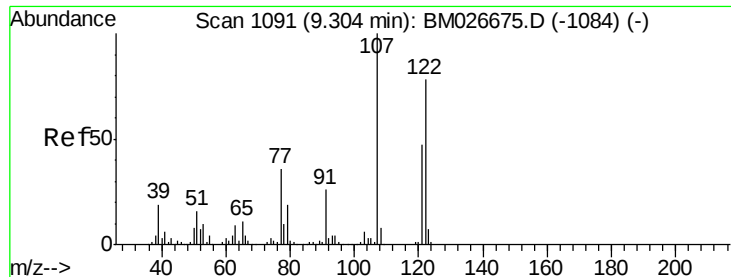


Abundance Ion 139.00 (138.70 to 139.70): BM026689.D (-1026) (-)

Ion 109.00 (108.70 to 109.70): BM026689.D (-1026) (-)

Ion 65.00 (64.70 to 65.70): BM026689.D (-1026) (-)

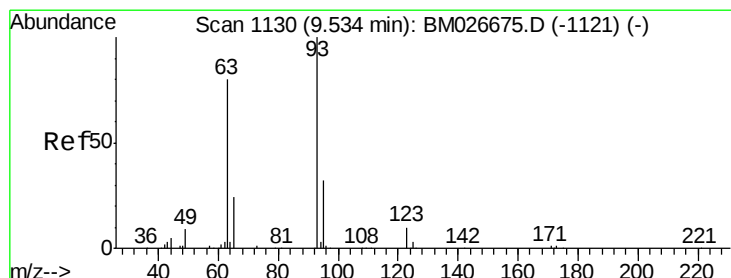
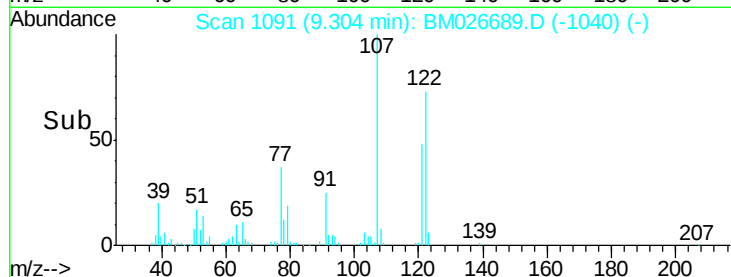
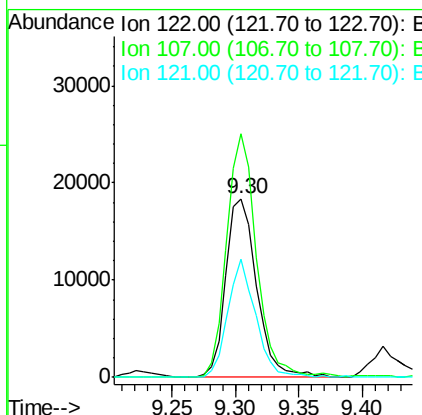
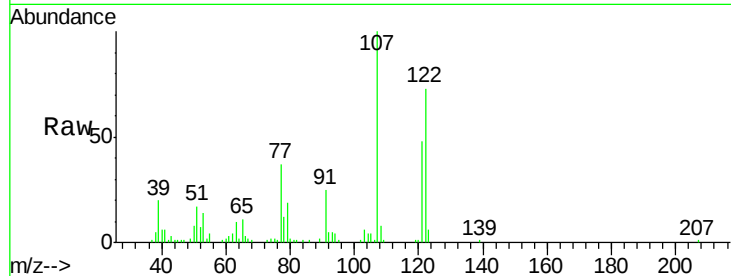




#27
 2,4-Dimethylphenol
 Concen: 7.819 ng
 RT: 9.30 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

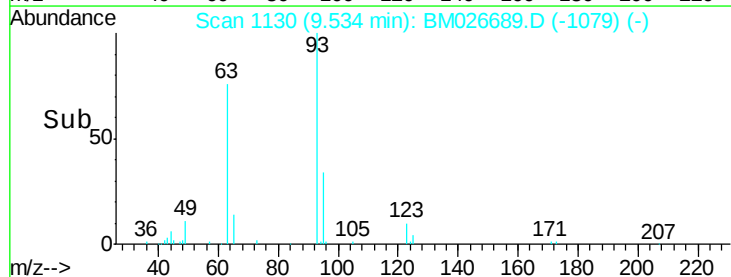
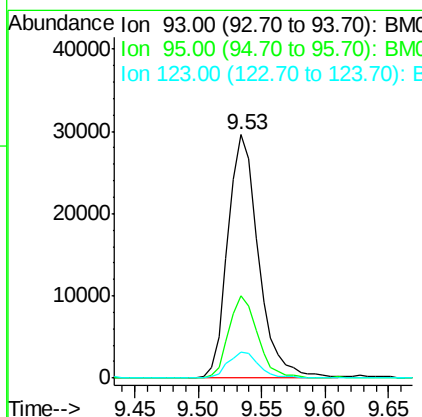
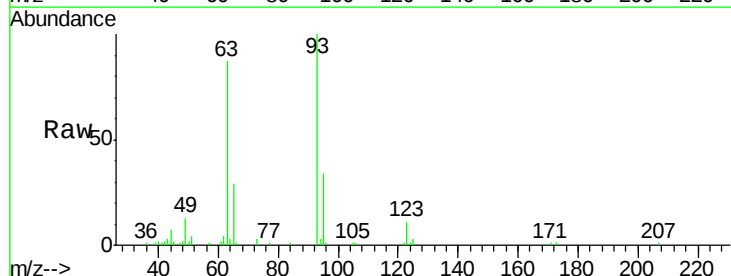
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

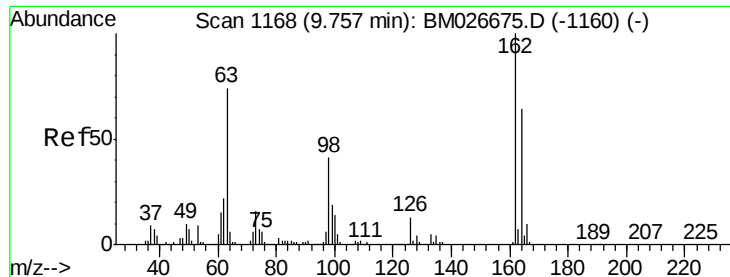
Tot Ion:122 Resp: 30987
 Ion Ratio Lower Upper
 122 100
 107 136.2 102.1 153.1
 121 66.0 48.2 72.2



#28
 bis(2-Chloroethoxy)methane
 Concen: 7.489 ng
 RT: 9.53 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

Tgt Ion: 93 Resp: 49798
 Ion Ratio Lower Upper
 93 100
 95 33.7 25.7 38.5
 123 10.6 8.7 13.1





#29

2,4-Dichlorophenol

Concen: 6.761 ng

RT: 9.76 min Scan# 1169

Delta R.T. 0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

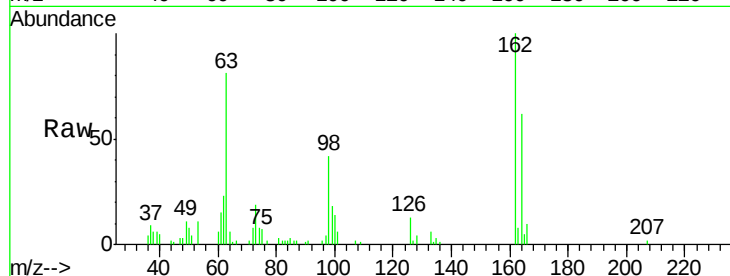
Tot Ion:162 Resp: 29510

Ion Ratio Lower Upper

162 100

164 62.4 44.3 84.3

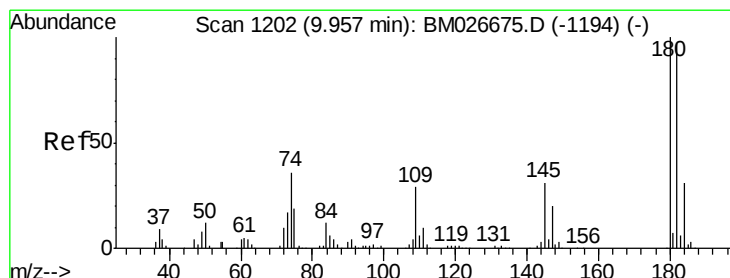
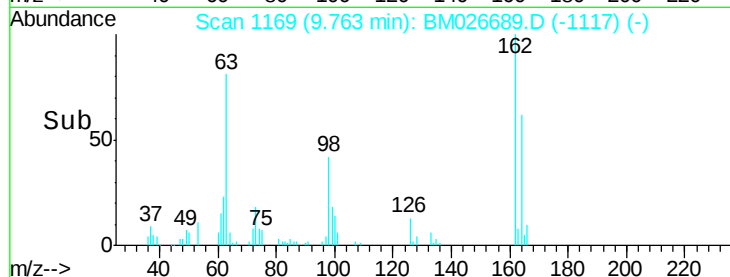
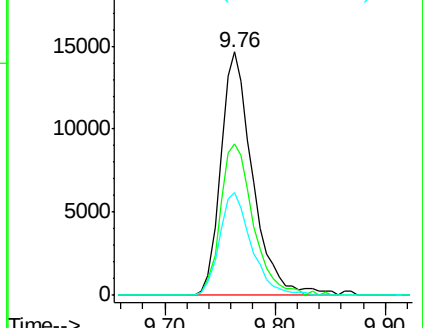
98 42.1 21.0 61.0



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#30

1,2,4-Trichlorobenzene

Concen: 7.475 ng

RT: 9.96 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

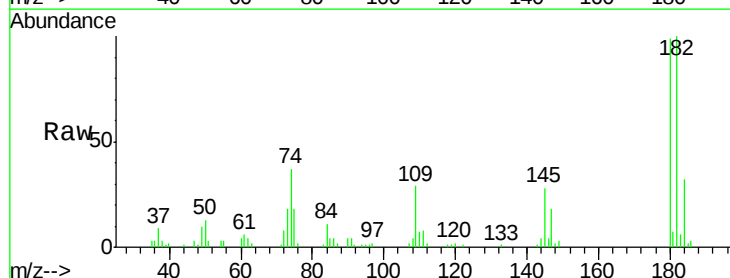
Tgt Ion:180 Resp: 36398

Ion Ratio Lower Upper

180 100

182 100.6 77.8 116.6

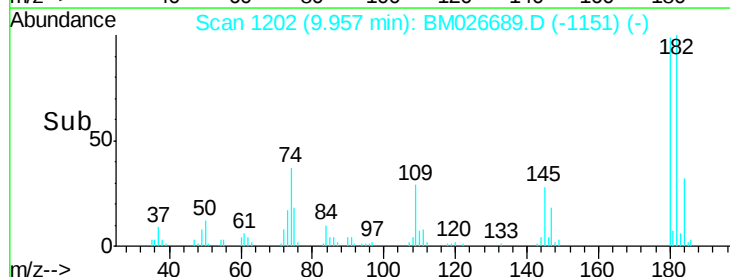
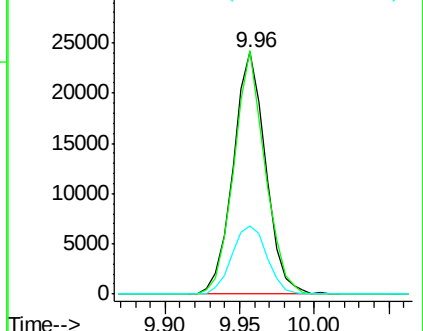
145 28.4 25.0 37.6

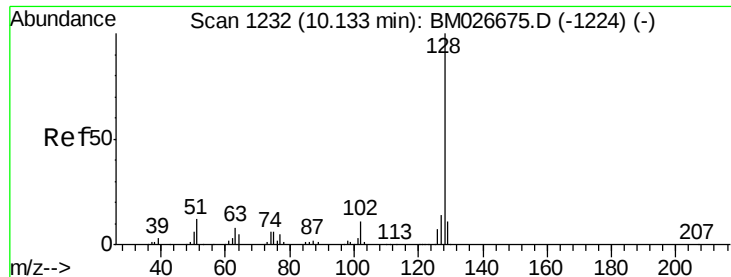


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

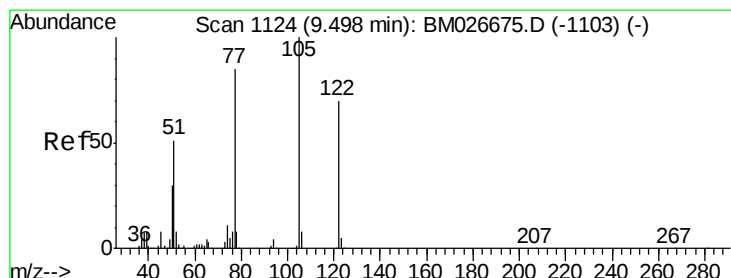
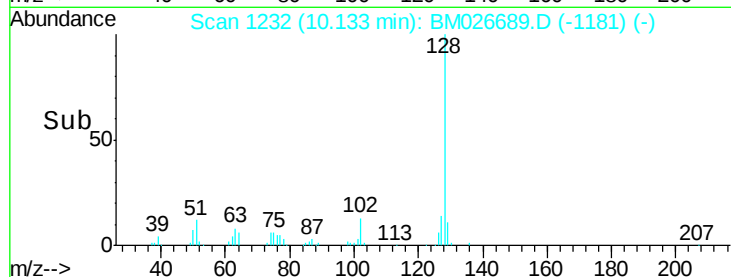
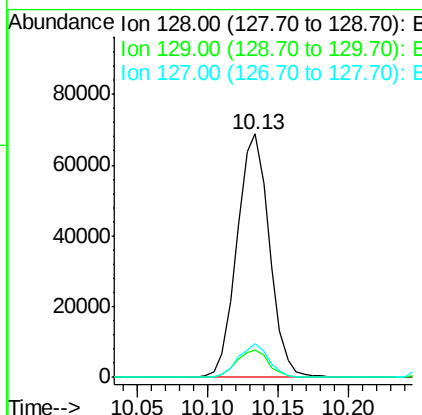
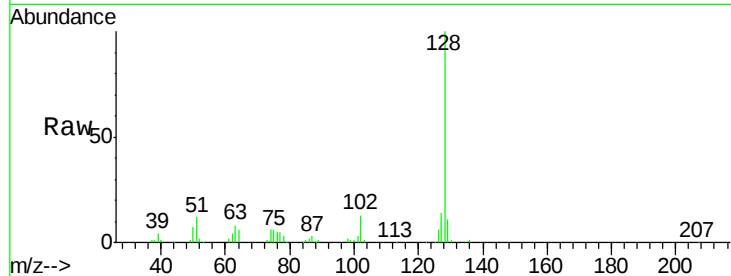




#31
Naphthalene
Concen: 7.414 ng
RT: 10.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

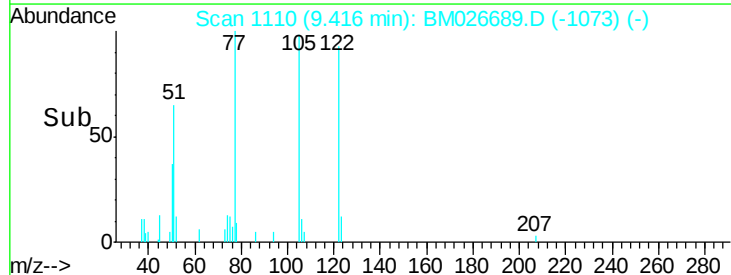
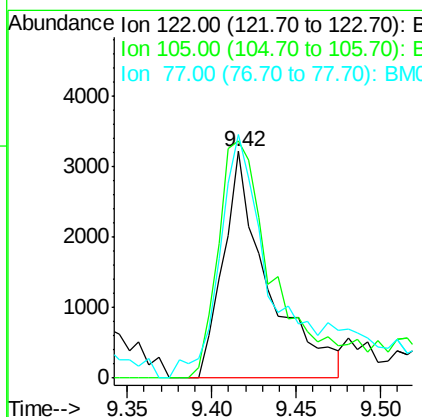
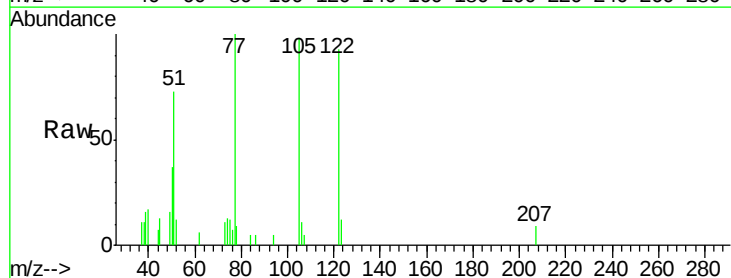
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

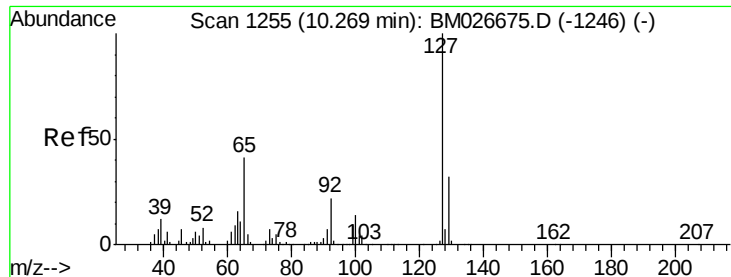
Tot Ion:128 Resp: 110432
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.9 10.8 16.2



#32
Benzoic acid
Concen: 1.969 ng
RT: 9.42 min Scan# 1110
Delta R.T. -0.08 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion:122 Resp: 5921
Ion Ratio Lower Upper
122 100
105 105.0 120.9 160.9#
77 107.5 100.0 140.0

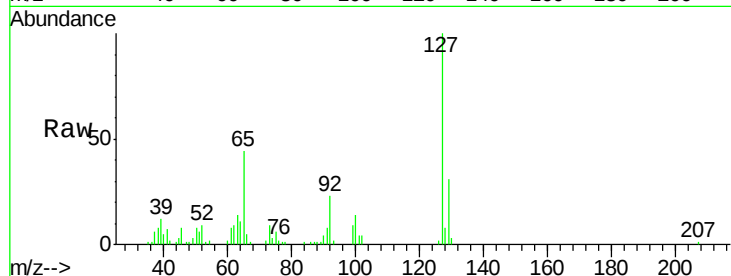




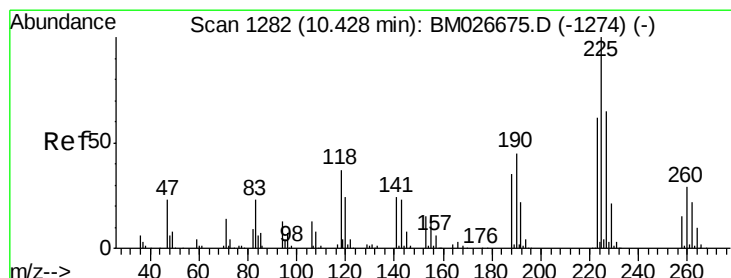
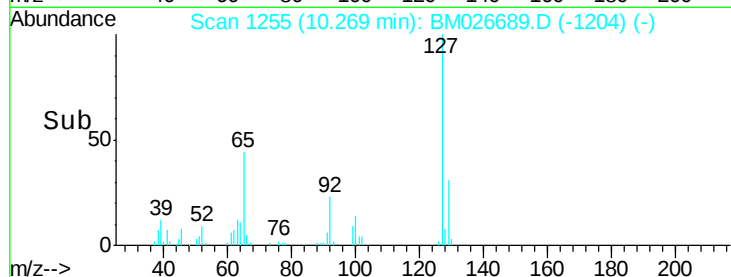
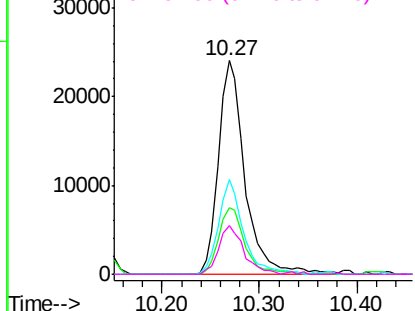
#33
4-Chloroaniline
Concen: 6.962 ng
RT: 10.27 min Scan# 1255
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	127	Resp:	45359
Ion	Ratio	Lower	Upper
127	100		
129	30.9	25.8	38.6
65	44.4	32.5	48.7
92	22.7	17.8	26.8

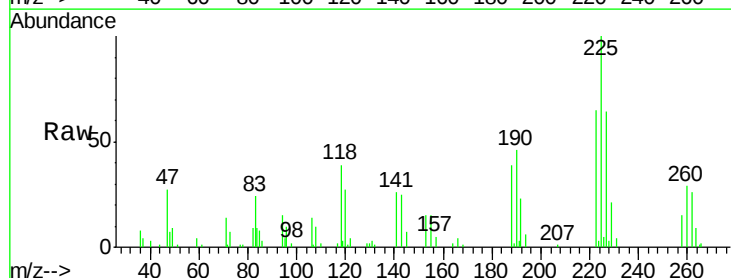


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

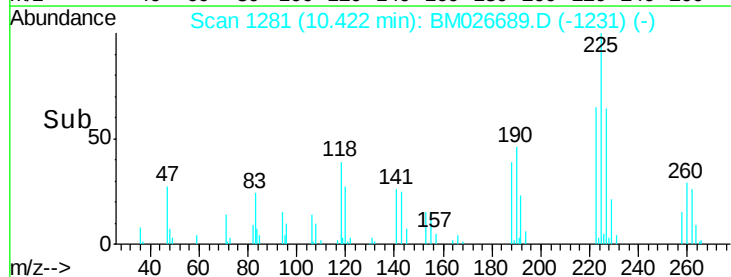
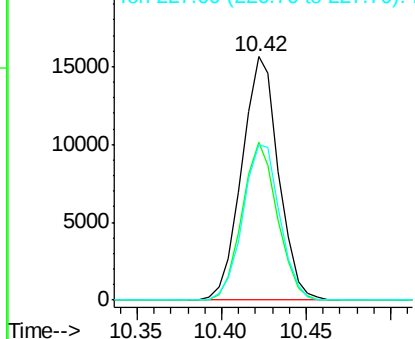


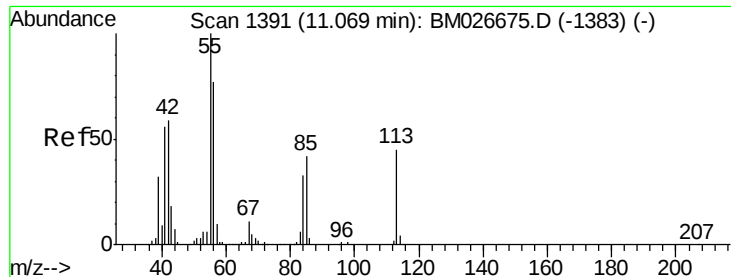
#34
Hexachlorobutadiene
Concen: 7.338 ng
RT: 10.42 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion:	225	Resp:	23662
Ion	Ratio	Lower	Upper
225	100		
223	64.8	49.8	74.8
227	63.7	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: 6.603 ng

RT: 11.05 min Scan# 1388

Delta R.T. -0.02 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

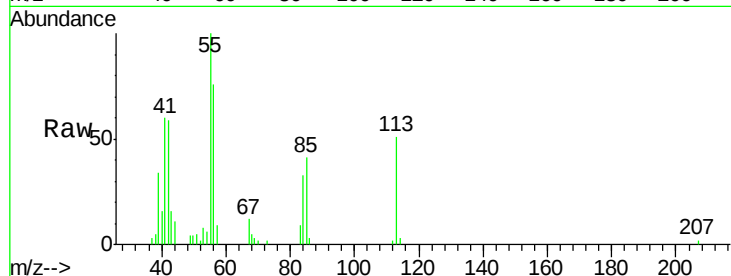
Tot Ion:113 Resp: 10208

Ion Ratio Lower Upper

113 100

55 194.7 203.5 243.5#

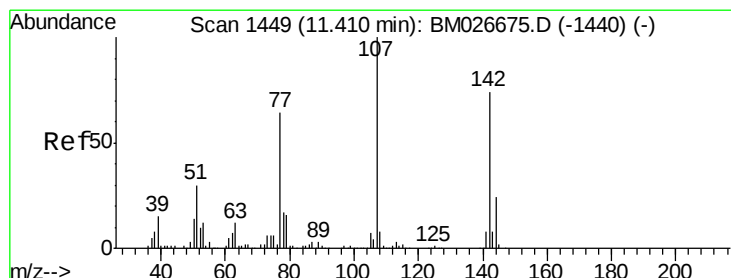
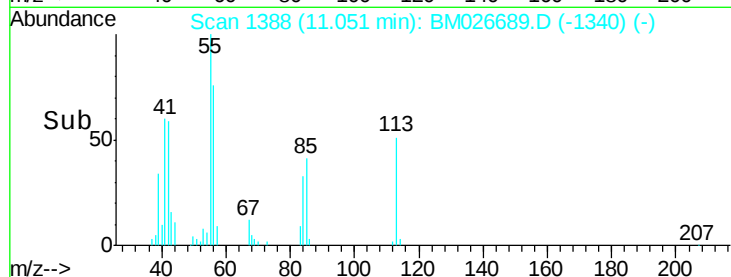
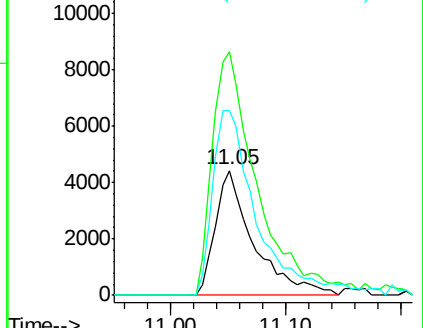
56 148.2 151.6 191.6#



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: 6.938 ng

RT: 11.41 min Scan# 1449

Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

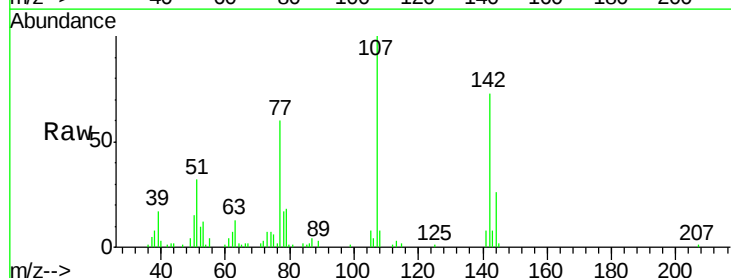
Tgt Ion:107 Resp: 38269

Ion Ratio Lower Upper

107 100

144 26.0 18.9 28.3

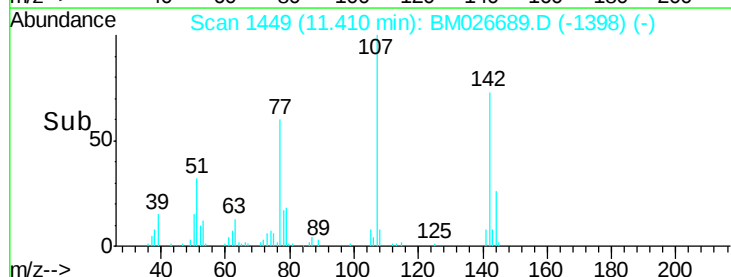
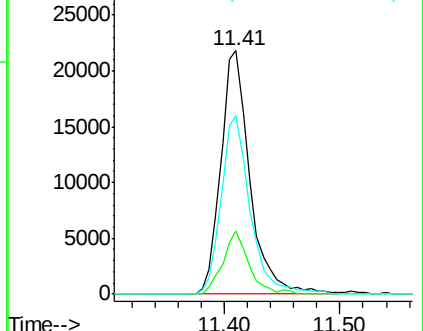
142 73.4 59.0 88.4

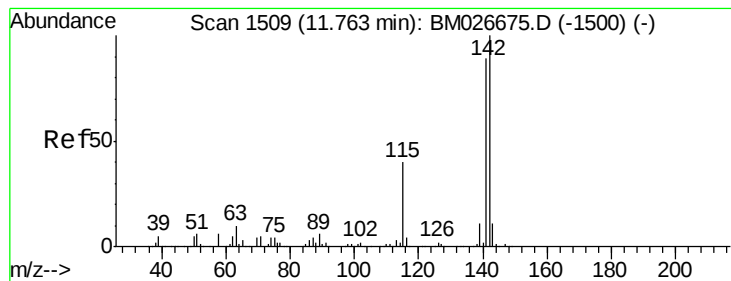


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 7.528 ng

RT: 11.76 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

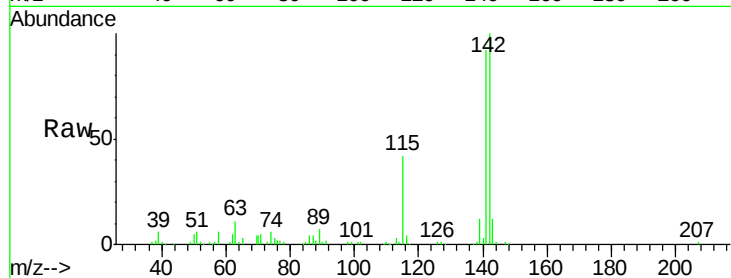
Tot Ion:142 Resp: 83054

Ion Ratio Lower Upper

142 100

141 91.6 71.4 107.0

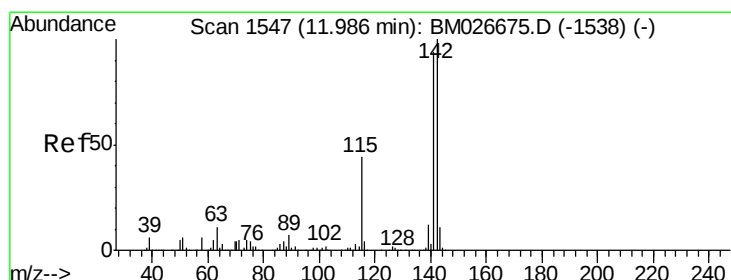
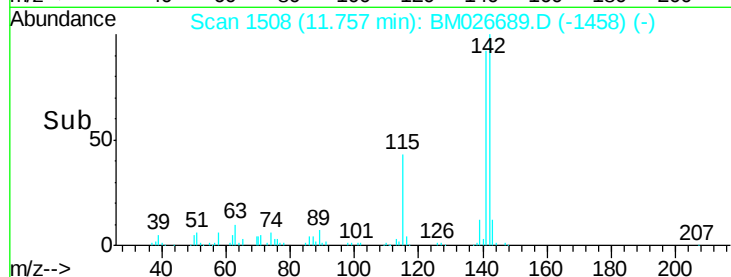
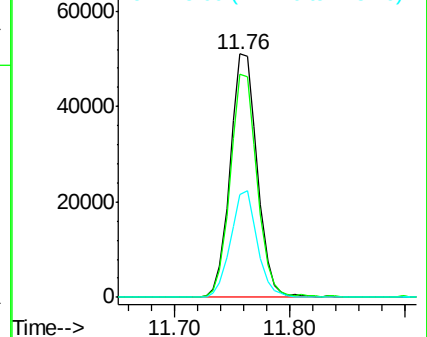
115 42.2 32.1 48.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 7.617 ng

RT: 11.99 min Scan# 1547

Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

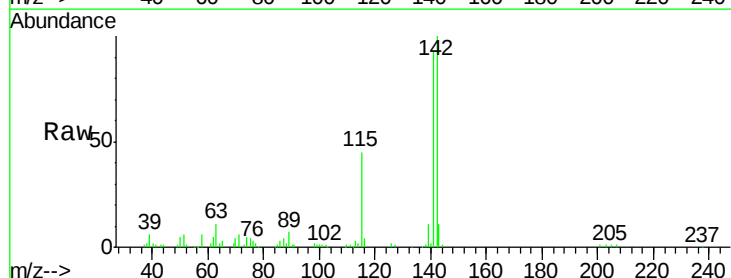
Tgt Ion:142 Resp: 80513

Ion Ratio Lower Upper

142 100

141 93.3 75.0 112.6

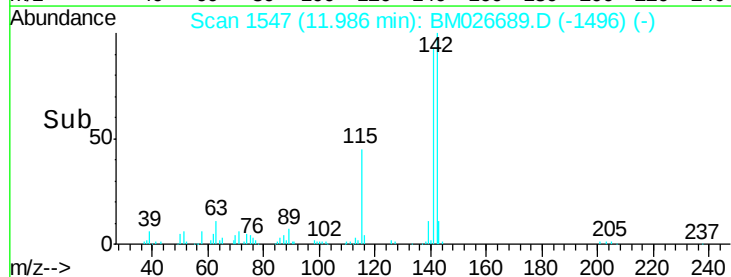
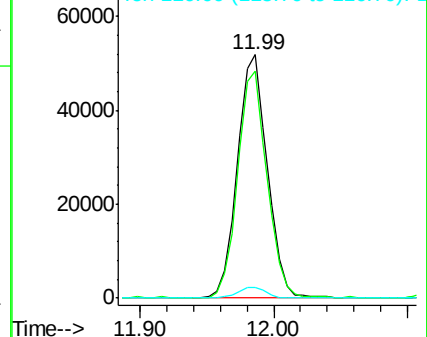
116 4.4 3.5 5.3

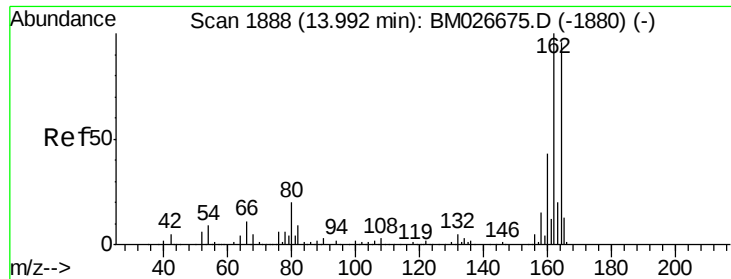


Abundance Ion 142.00 (141.70 to 142.70): E

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: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

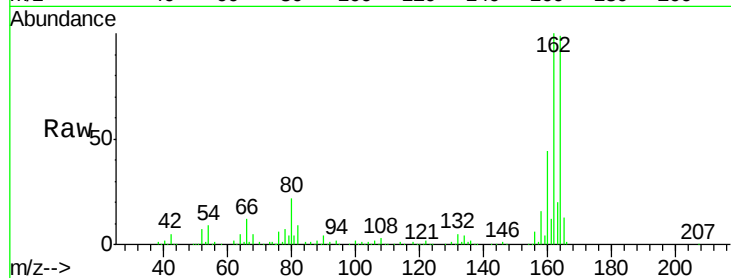
Tot Ion:164 Resp: 184205

Ion Ratio Lower Upper

164 100

162 100.5 83.7 125.5

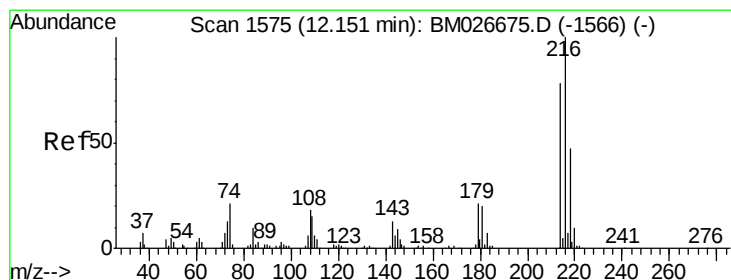
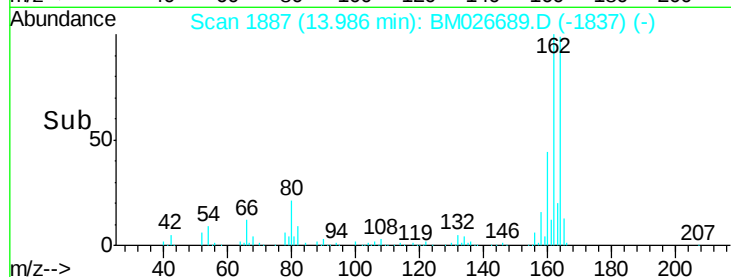
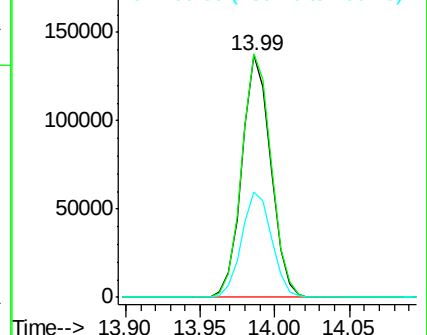
160 43.7 36.2 54.2



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: 7.970 ng

RT: 12.15 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Tgt Ion:216 Resp: 47460

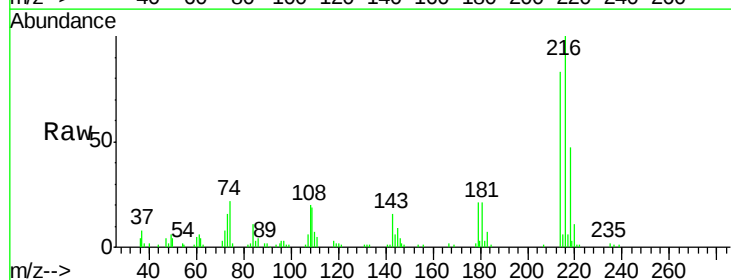
Ion Ratio Lower Upper

216 100

214 77.8 62.6 93.8

179 20.4 17.5 26.3

108 20.1 16.7 25.1

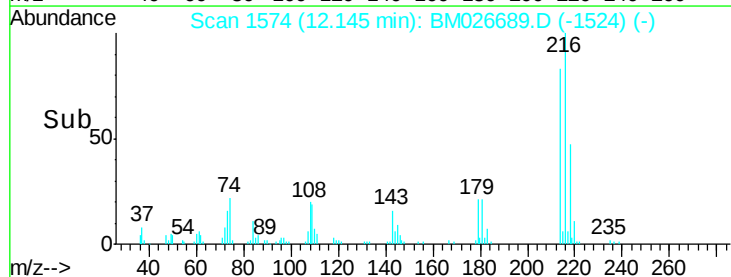
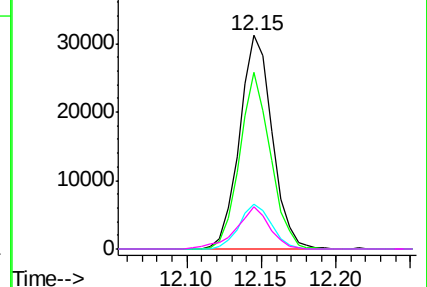


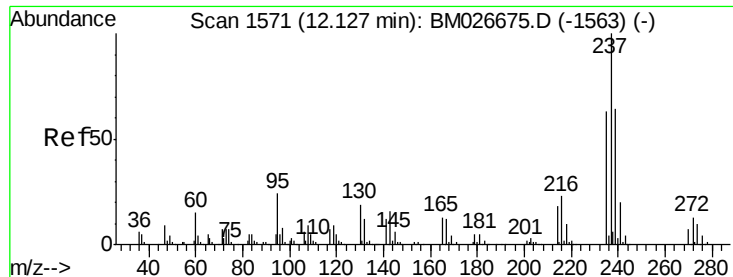
Abundance Ion 216.00 (215.70 to 216.70): E

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: 5.413 ng

RT: 12.12 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

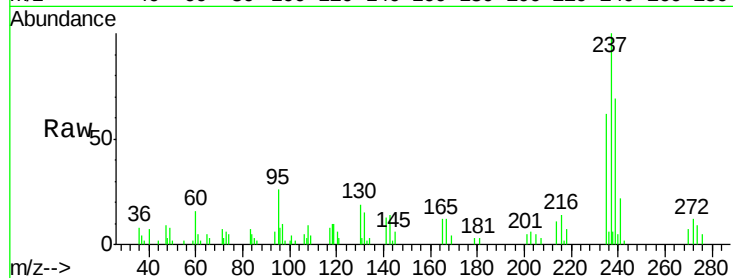
Tot Ion:237 Resp: 15379

Ion Ratio Lower Upper

237 100

235 61.8 42.8 82.8

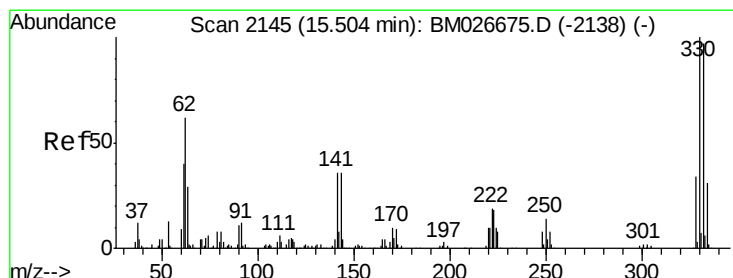
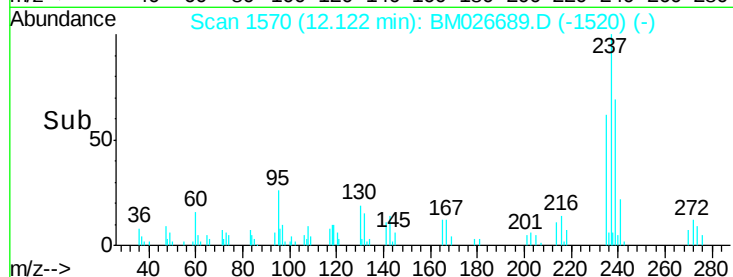
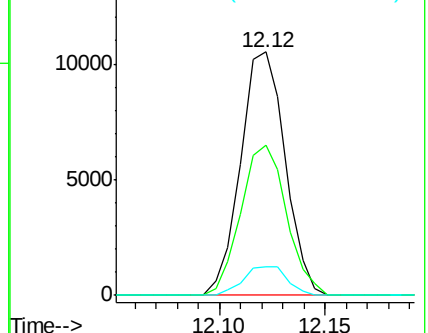
272 11.5 0.0 32.8



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: 191.106 ng

RT: 15.50 min Scan# 2144

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

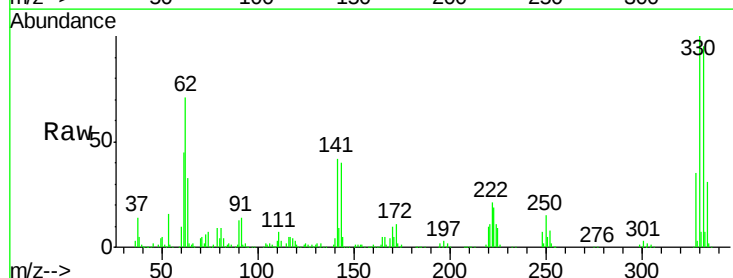
Tgt Ion:330 Resp: 512794

Ion Ratio Lower Upper

330 100

332 96.1 77.5 116.3

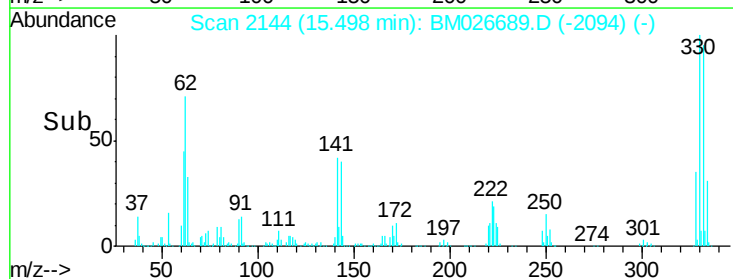
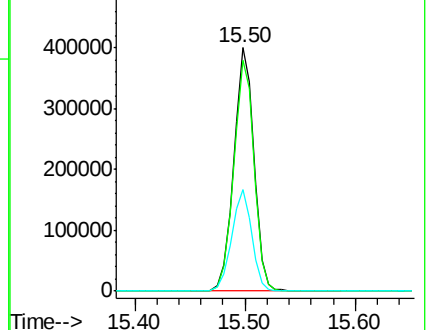
141 41.4 32.4 48.6

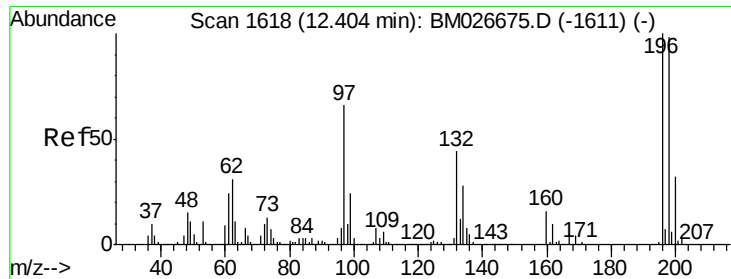


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

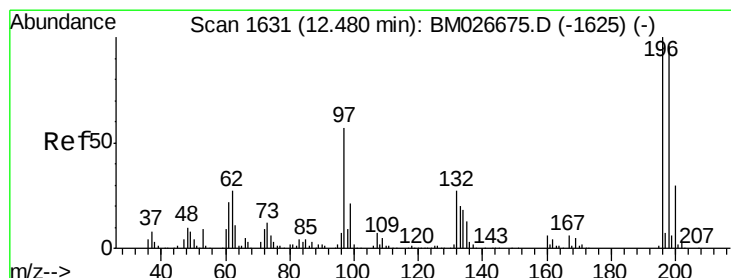
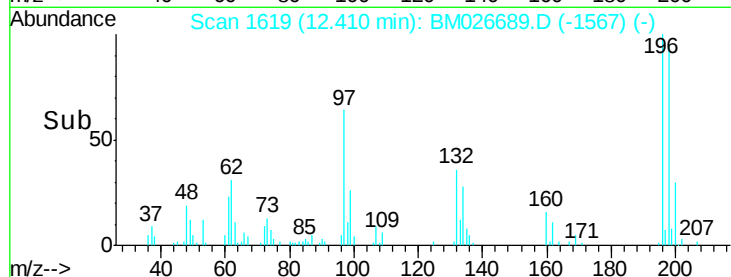
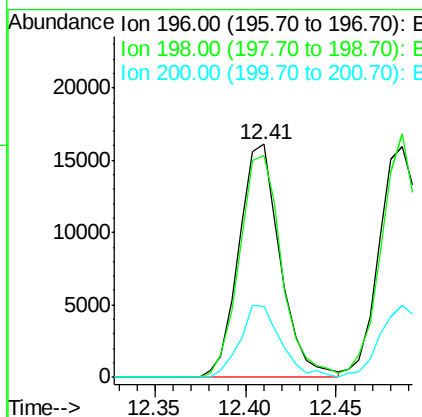
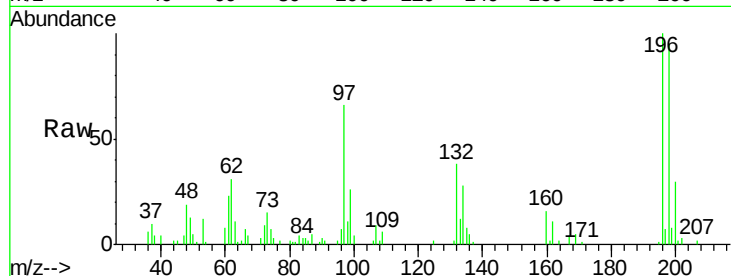




#43
 2,4,6-Trichlorophenol
 Concen: 6.547 ng
 RT: 12.41 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

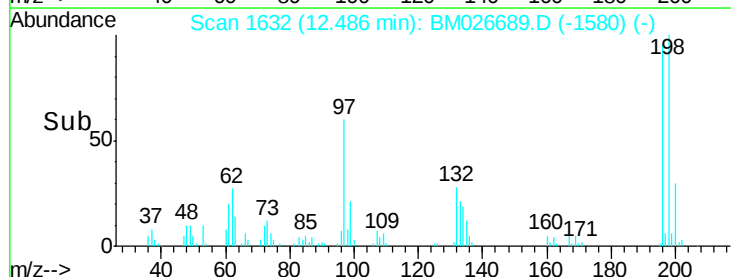
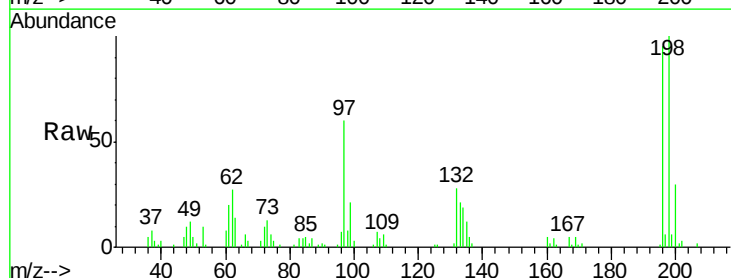
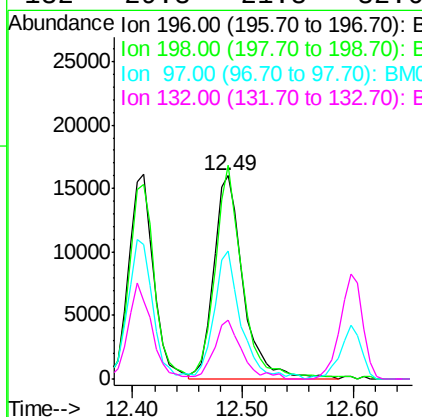
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

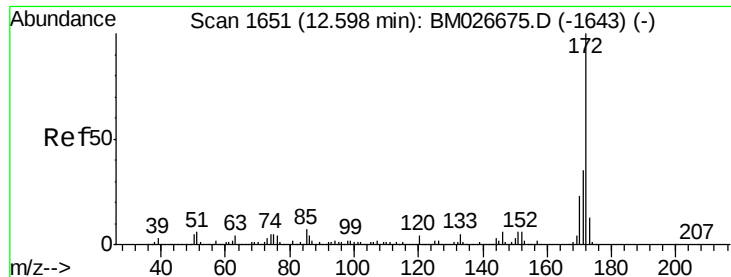
Tot Ion:196 Resp: 25539
 Ion Ratio Lower Upper
 196 100
 198 95.1 78.6 118.0
 200 30.3 25.3 37.9



#44
 2,4,5-Trichlorophenol
 Concen: 6.466 ng
 RT: 12.49 min Scan# 1632
 Delta R.T. 0.01 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

Tgt Ion:196 Resp: 29640
 Ion Ratio Lower Upper
 196 100
 198 105.2 77.0 115.6
 97 63.2 45.7 68.5
 132 29.3 21.8 32.6

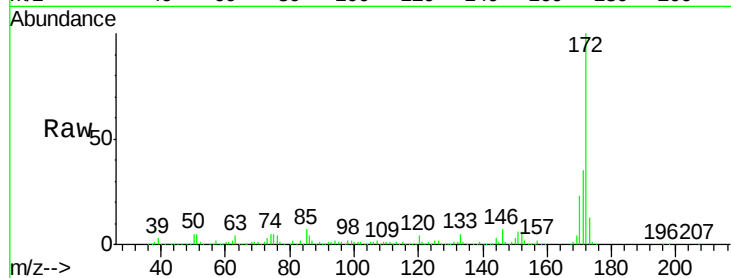




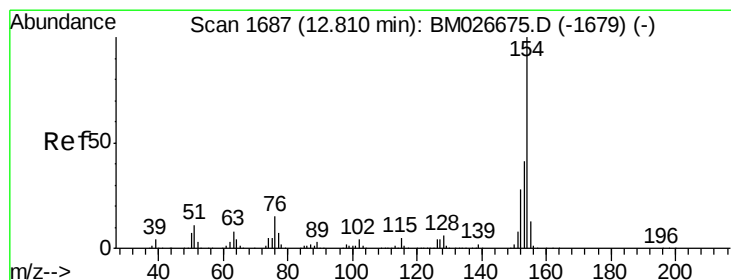
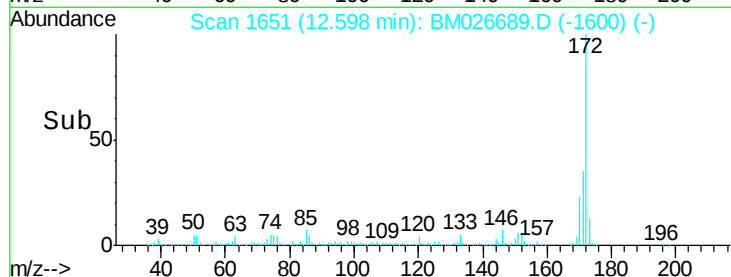
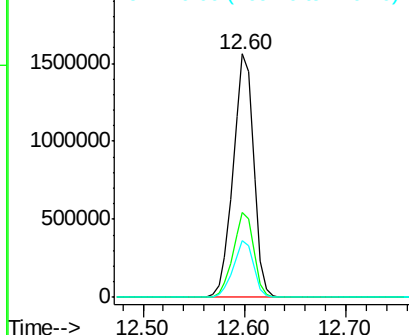
#45
2-Fluorobiphenyl
Concen: 158.011 ng
RT: 12.60 min Scan# 1651
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:172 Resp: 2189059
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.6
170 23.2 18.5 27.7

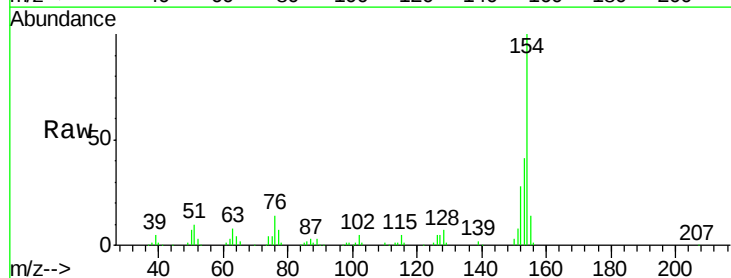


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

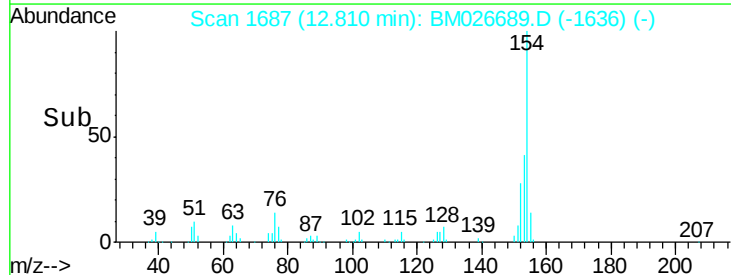
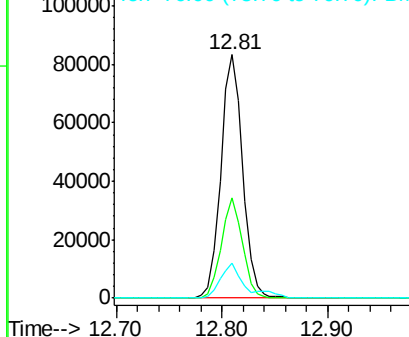


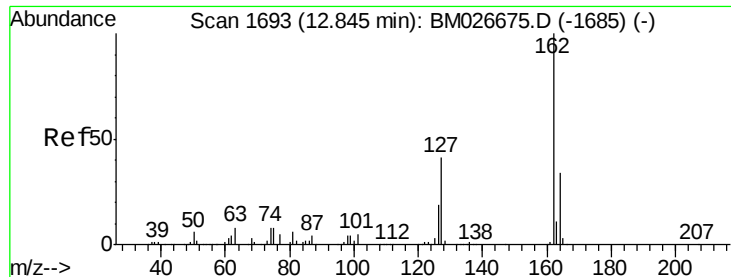
#46
1,1'-Biphenyl
Concen: 8.214 ng
RT: 12.81 min Scan# 1687
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion:154 Resp: 119519
Ion Ratio Lower Upper
154 100
153 41.0 20.9 60.9
76 14.4 0.0 35.2



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

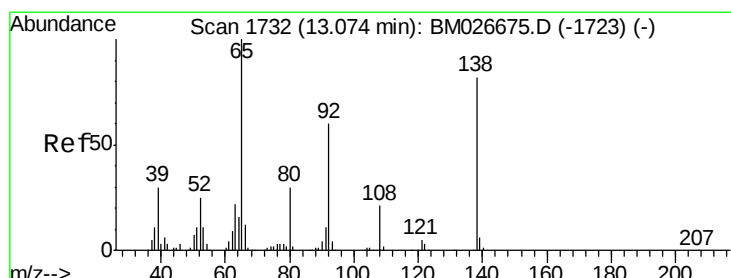
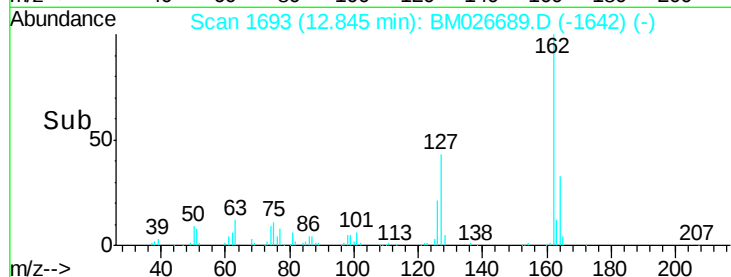
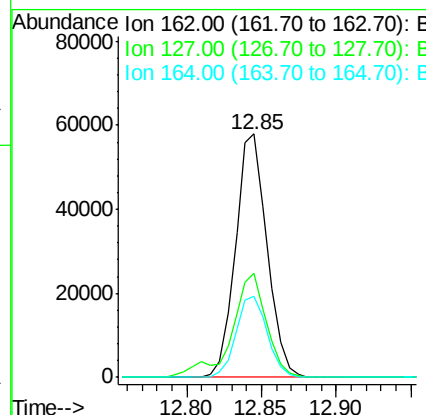
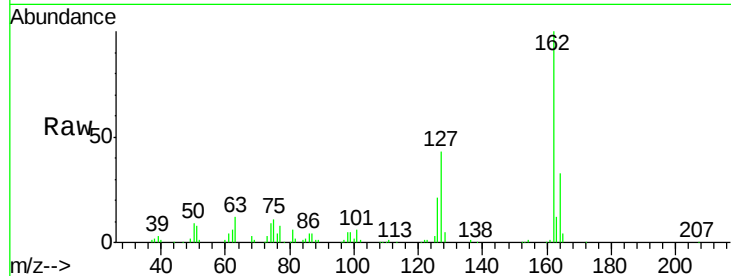




#47
2-Chloronaphthalene
Concen: 7.251 ng
RT: 12.85 min Scan# 1693
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

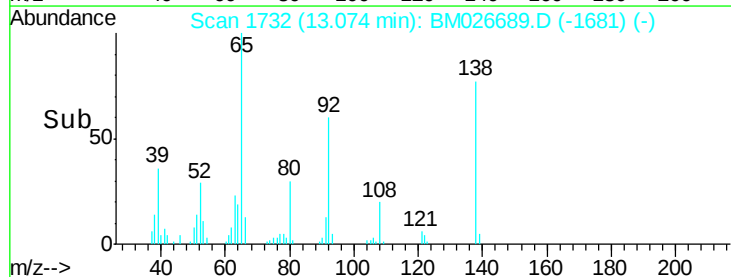
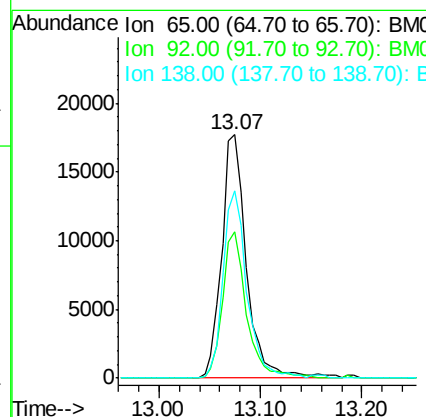
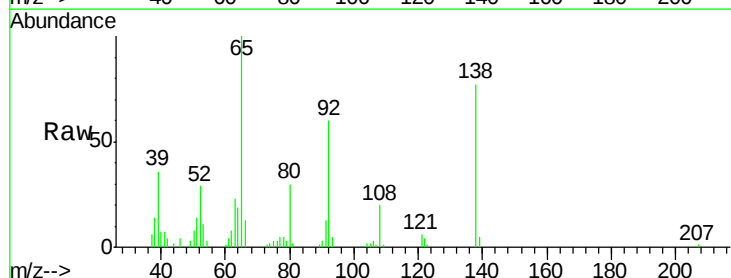
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

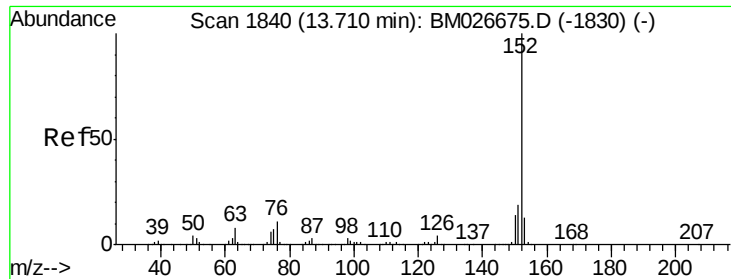
Tot Ion	Ratio	Lower	Upper
162	100		
127	42.6	34.0	51.0
164	33.3	26.9	40.3



#48
2-Nitroaniline
Concen: 6.253 ng
RT: 13.07 min Scan# 1732
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
65	100		
92	59.8	47.8	71.8
138	76.9	65.6	98.4





#49

Acenaphthylene

Concen: 7.323 ng

RT: 13.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

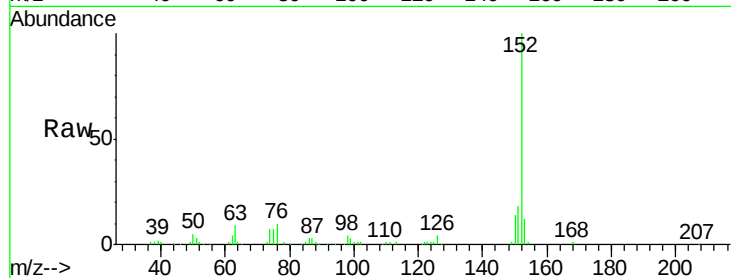
Tot Ion:152 Resp: 137611

Ion Ratio Lower Upper

152 100

151 18.2 15.6 23.4

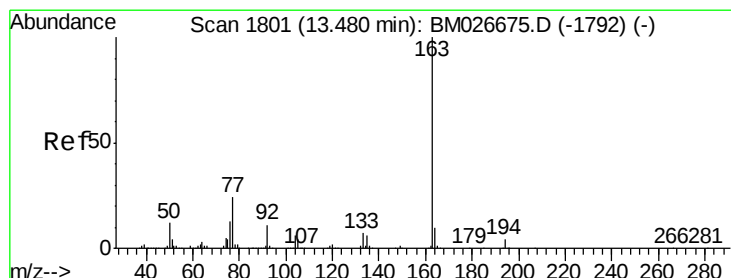
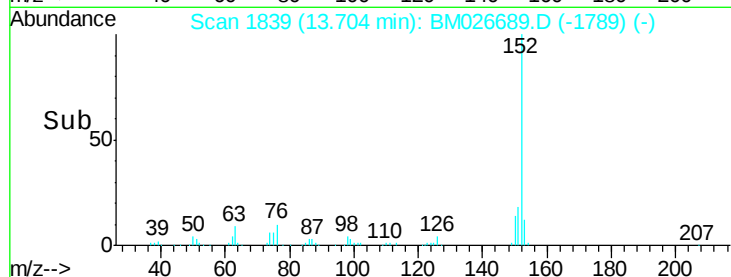
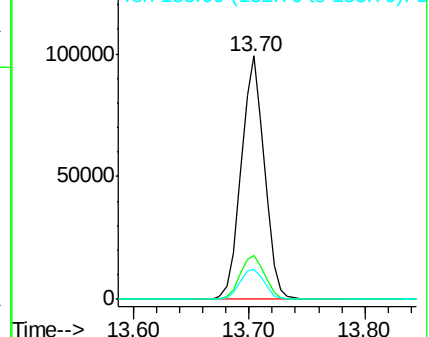
153 12.3 10.4 15.6



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: 7.342 ng

RT: 13.47 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

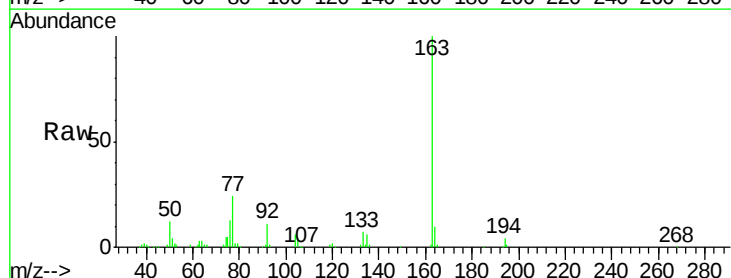
Tgt Ion:163 Resp: 115685

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.2

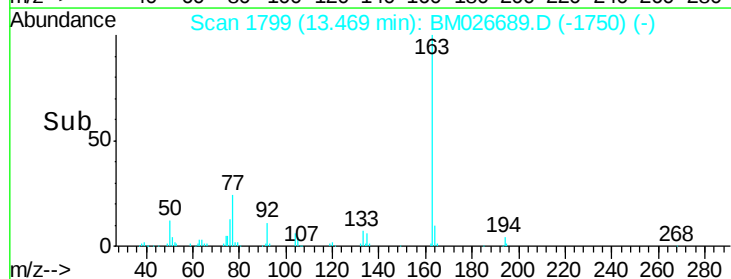
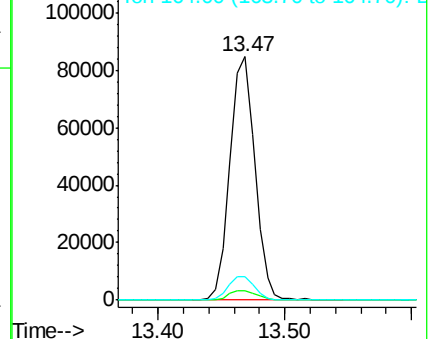
164 9.7 7.8 11.6

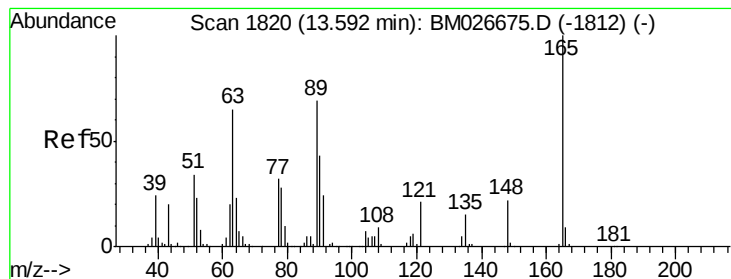


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 7.032 ng

RT: 13.59 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

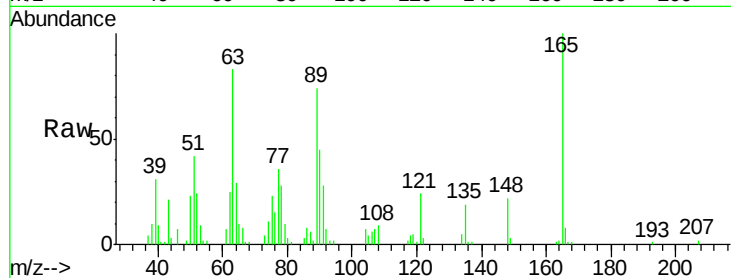
Tot Ion:165 Resp: 23724

Ion Ratio Lower Upper

165 100

63 82.7 61.1 91.7

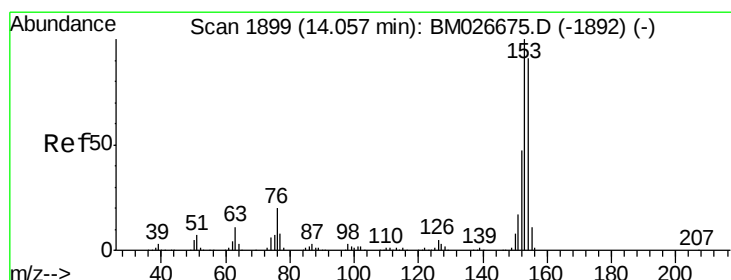
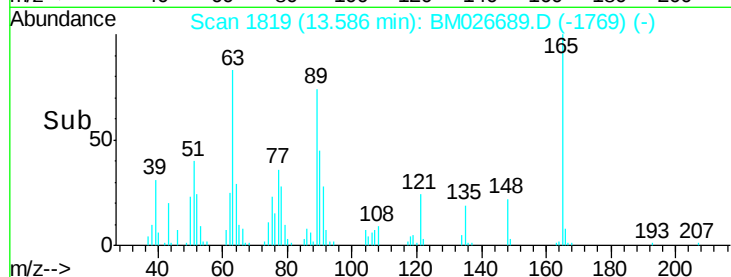
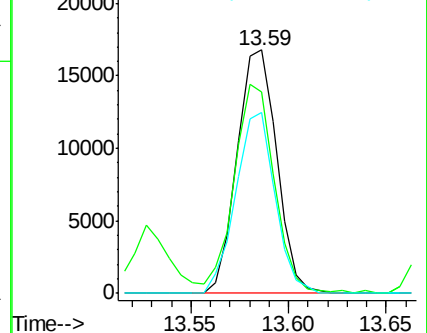
89 74.1 54.9 82.3



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0



#52

Acenaphthene

Concen: 7.295 ng

RT: 14.05 min Scan# 1898

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

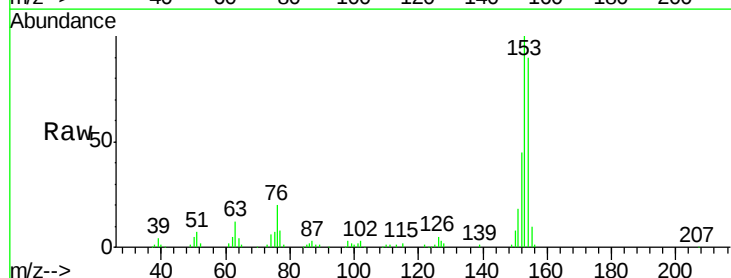
Tgt Ion:154 Resp: 83309

Ion Ratio Lower Upper

154 100

153 110.8 88.3 132.5

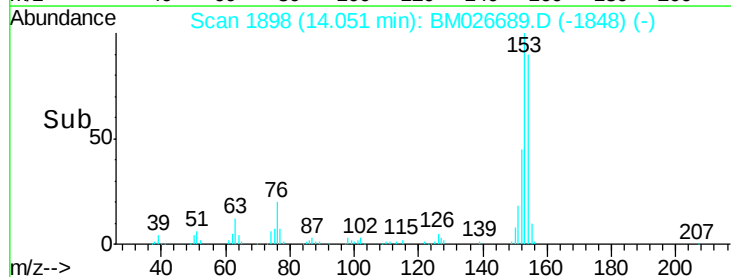
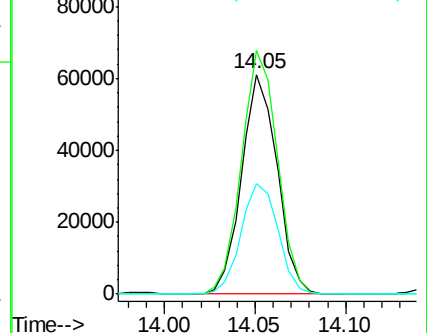
152 50.0 41.1 61.7

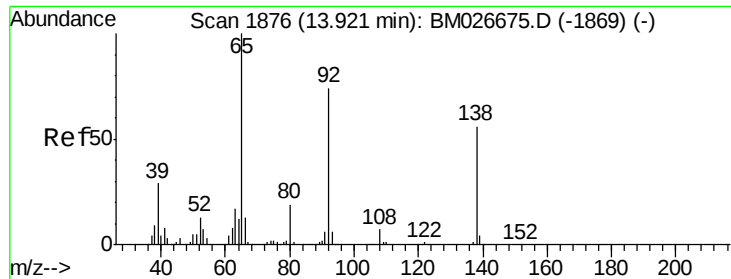


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

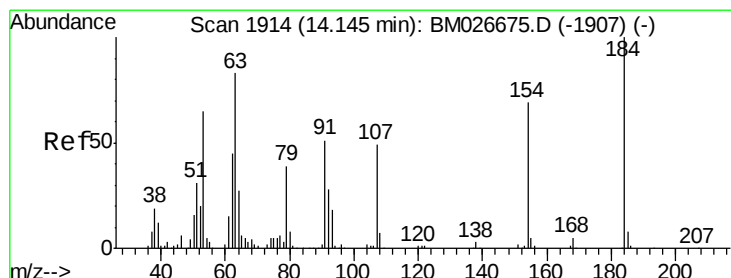
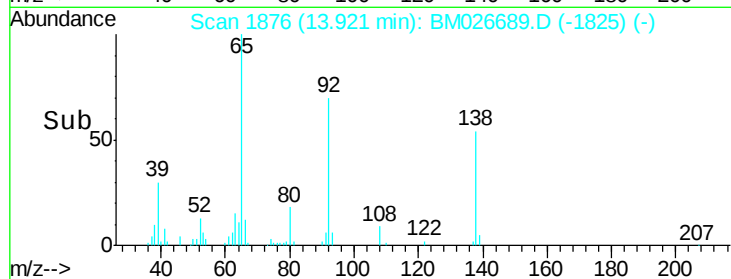
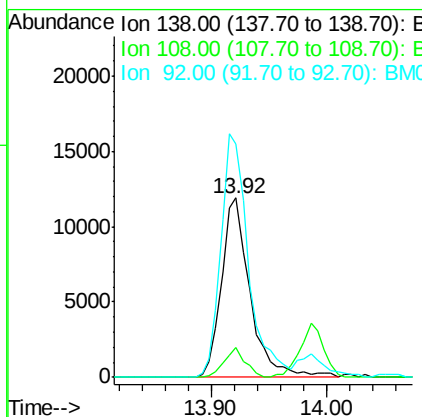
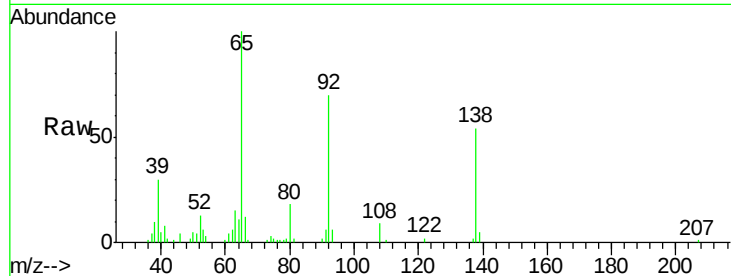




#53
 3-Nitroaniline
 Concen: 5.829 ng
 RT: 13.92 min Scan# 1876
 Delta R.T. 0.00 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

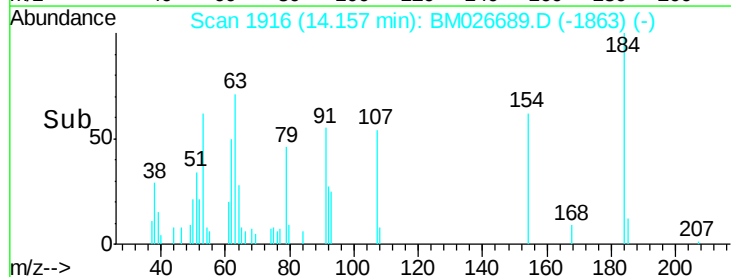
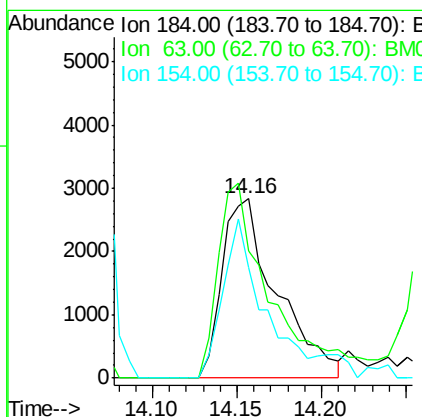
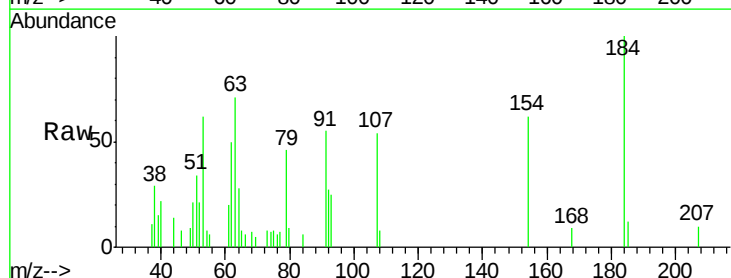
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

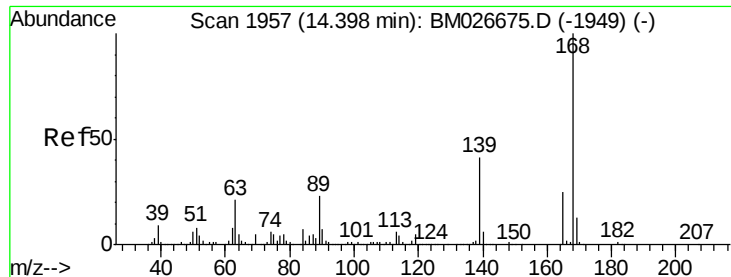
Tot Ion:138 Resp: 20460
 Ion Ratio Lower Upper
 138 100
 108 16.3 9.7 14.5#
 92 130.2 105.6 158.4



#54
 2,4-Dinitrophenol
 Concen: 3.218 ng
 RT: 14.16 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

Tgt Ion:184 Resp: 6355
 Ion Ratio Lower Upper
 184 100
 63 70.9 66.2 99.4
 154 61.8 55.2 82.8

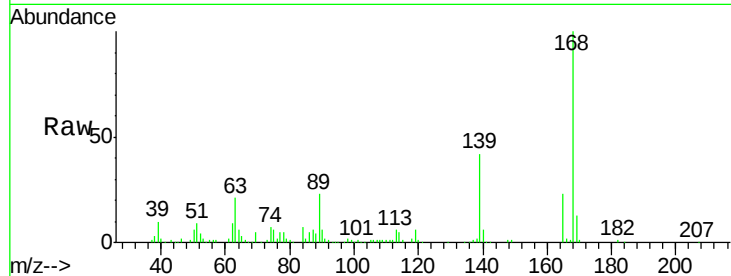




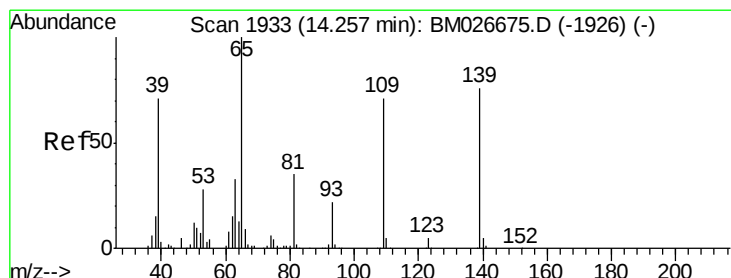
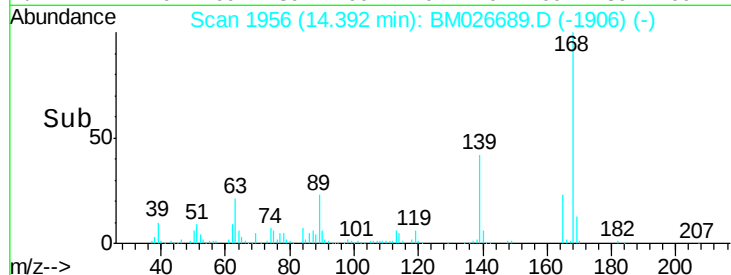
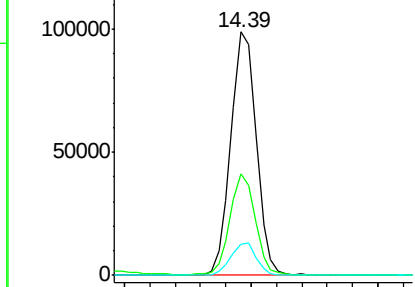
#55
Dibenzofuran
Concen: 7.346 ng
RT: 14.39 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:168 Resp: 137551
Ion Ratio Lower Upper
168 100
139 41.9 32.6 48.8
169 12.7 10.5 15.7

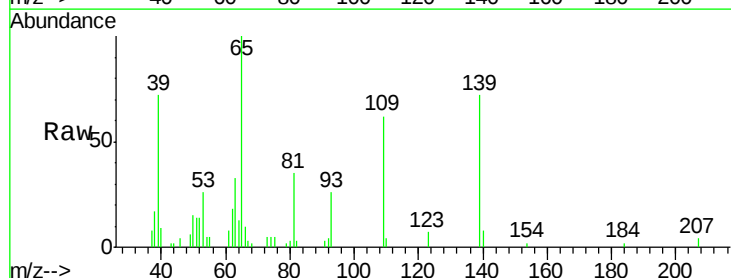


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

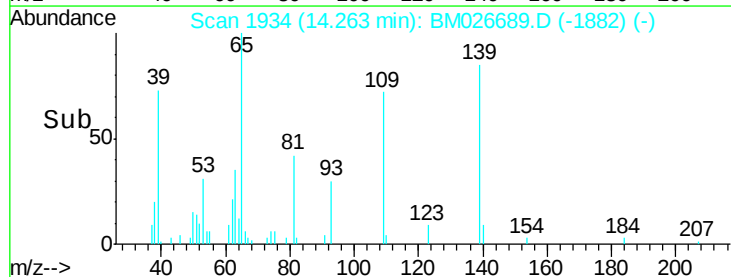
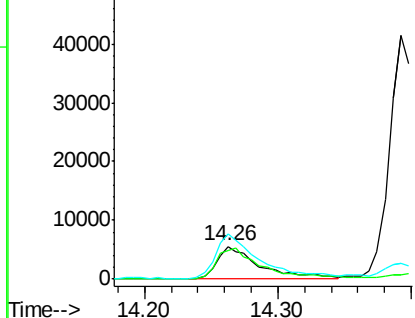


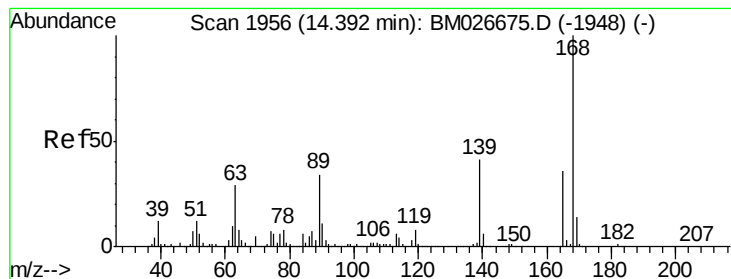
#56
4-Nitrophenol
Concen: 4.472 ng
RT: 14.26 min Scan# 1934
Delta R.T. 0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion:139 Resp: 12318
Ion Ratio Lower Upper
139 100
109 85.5 73.7 113.7
65 138.4 111.5 151.5



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BM





#57

2,4-Dinitrotoluene

Concen: 6.370 ng

RT: 14.39 min Scan# 1956

Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:165 Resp: 31019

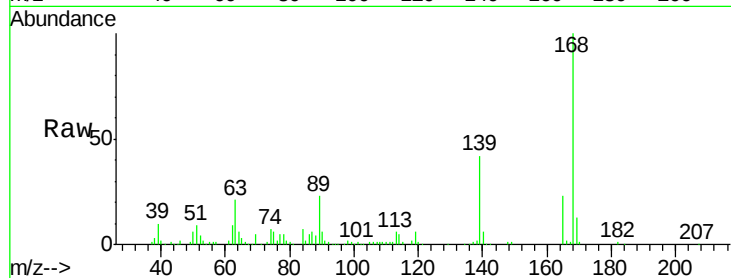
Ion Ratio Lower Upper

165 100

63 92.7 64.6 97.0

89 100.0 75.4 113.2

182 2.9 2.2 3.4

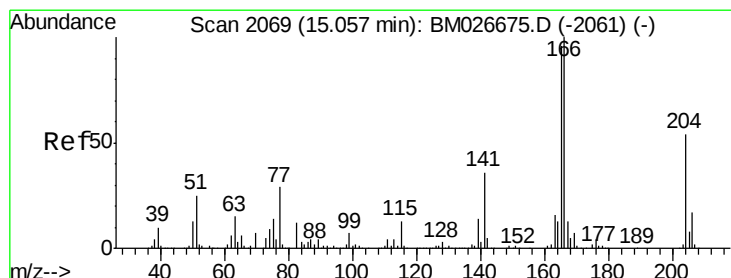
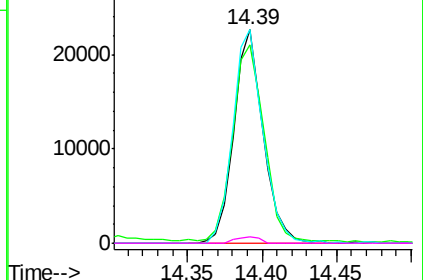
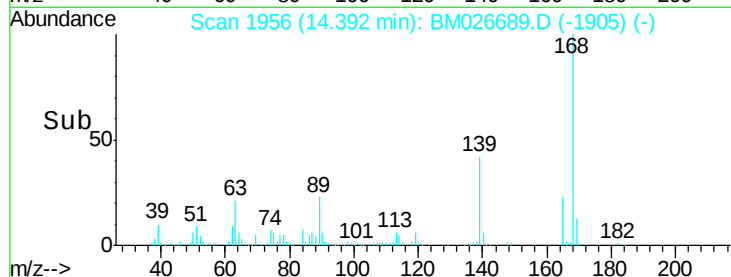


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 7.052 ng

RT: 15.05 min Scan# 2068

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

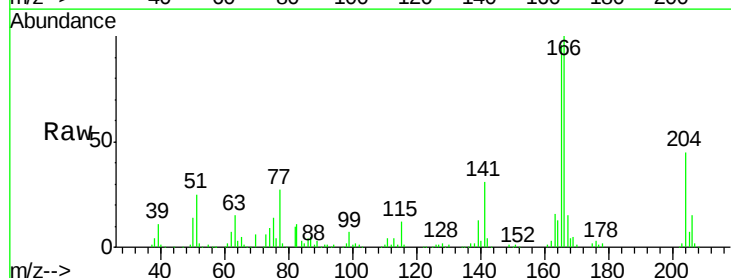
Tgt Ion:166 Resp: 109331

Ion Ratio Lower Upper

166 100

165 96.3 77.1 115.7

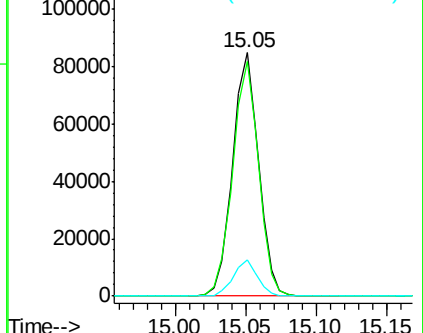
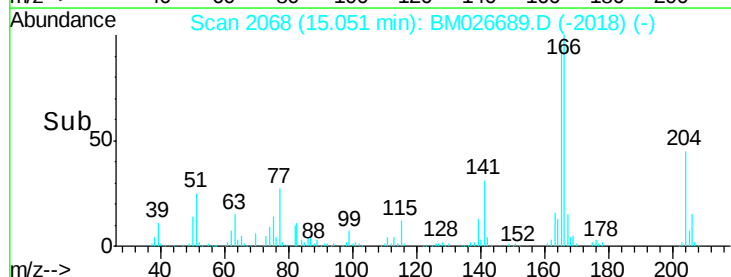
167 14.7 10.8 16.2

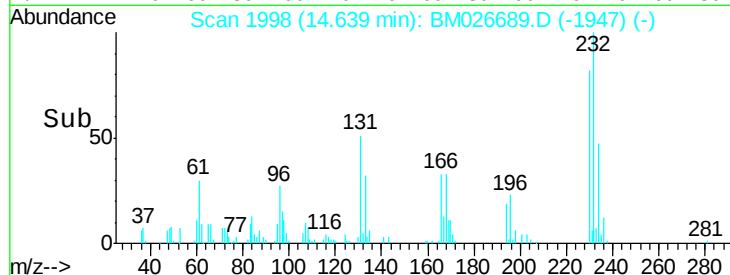
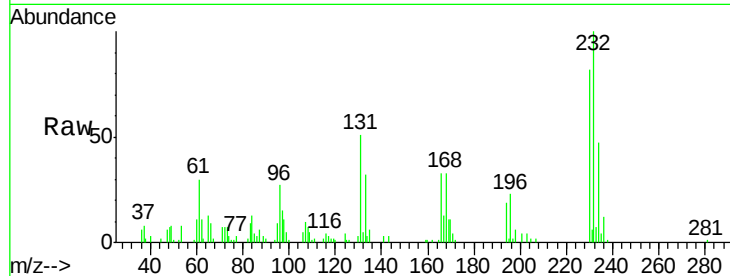
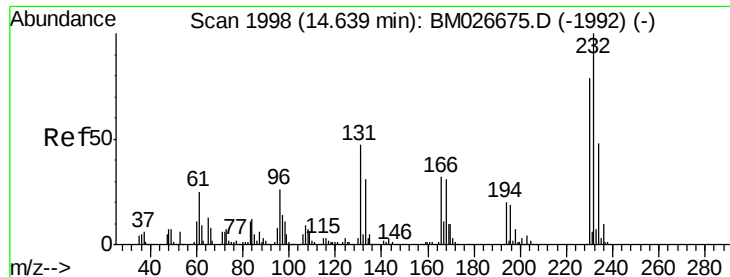


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

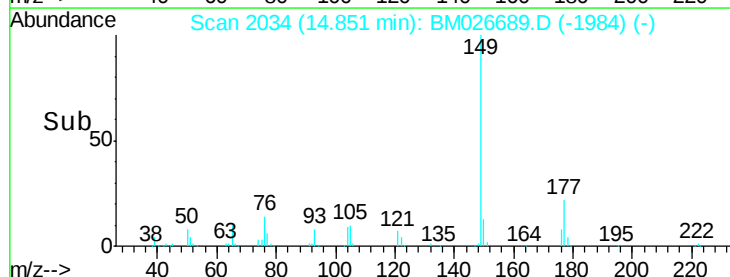
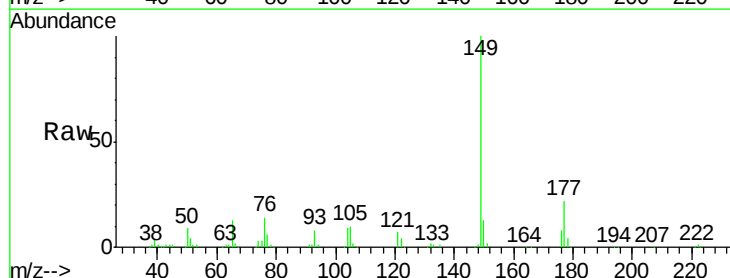
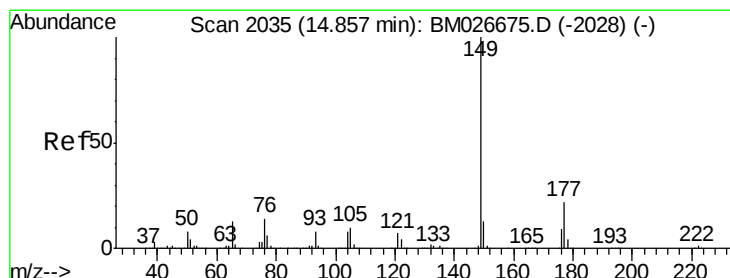
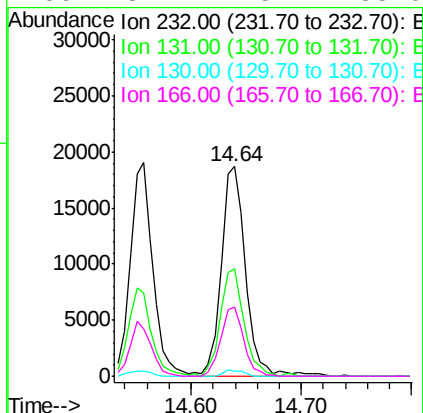




#59
2,3,4,6-Tetrachlorophenol
Concen: 7.229 ng
RT: 14.64 min Scan# 1998
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

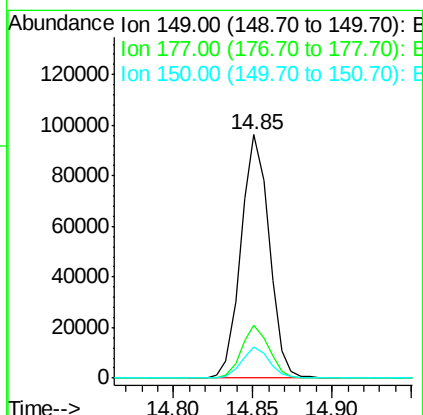
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

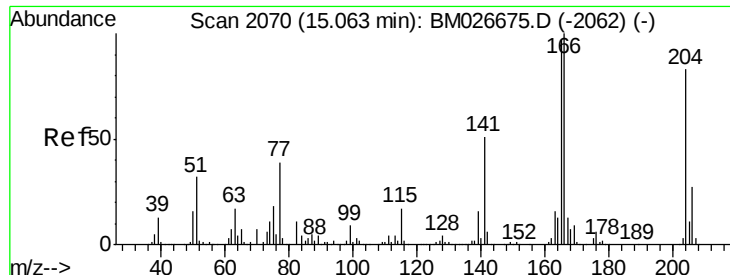
Tot Ion:232 Resp: 28939
Ion Ratio Lower Upper
232 100
131 49.7 38.4 57.6
130 2.4 2.2 3.2
166 31.1 25.4 38.0



#60
Diethylphthalate
Concen: 7.151 ng
RT: 14.85 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion:149 Resp: 119134
Ion Ratio Lower Upper
149 100
177 21.8 17.8 26.6
150 12.8 10.2 15.4

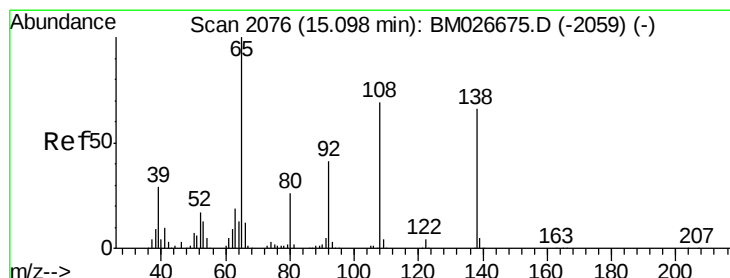
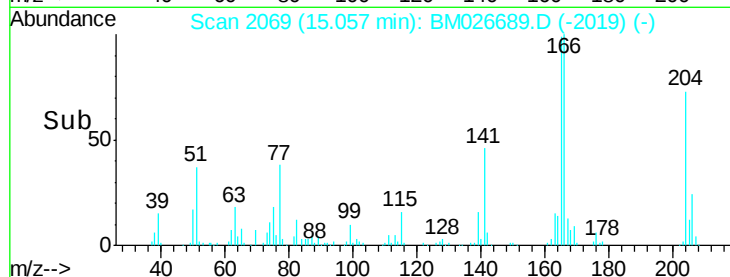
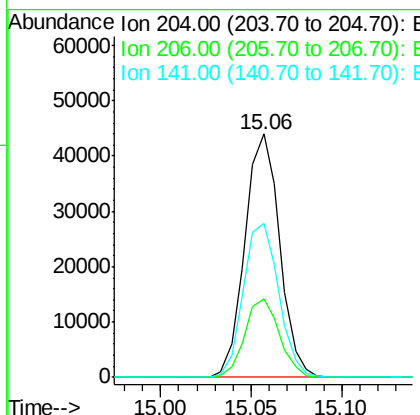
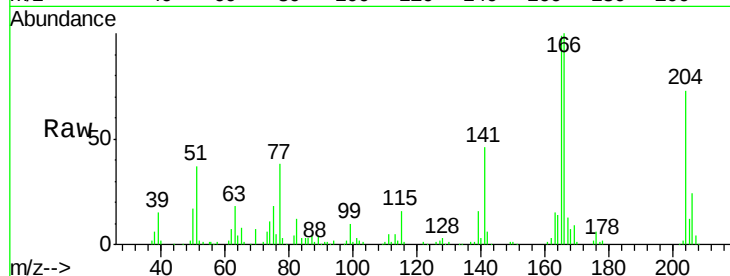




#61
4-Chlorophenyl-phenylether
Concen: 6.989 ng
RT: 15.06 min Scan# 2069
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

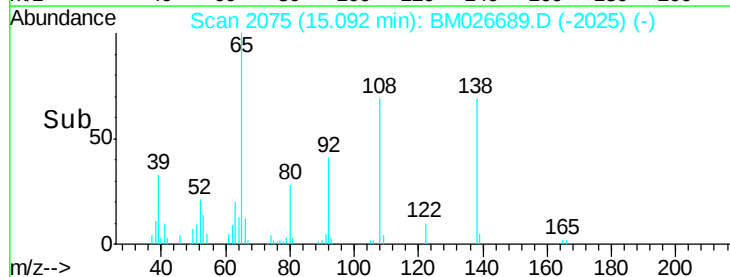
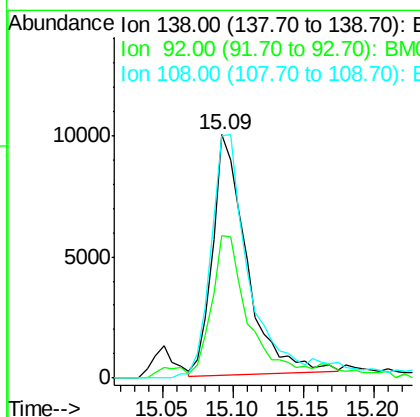
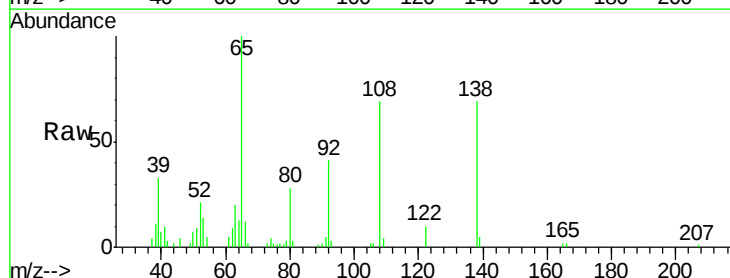
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

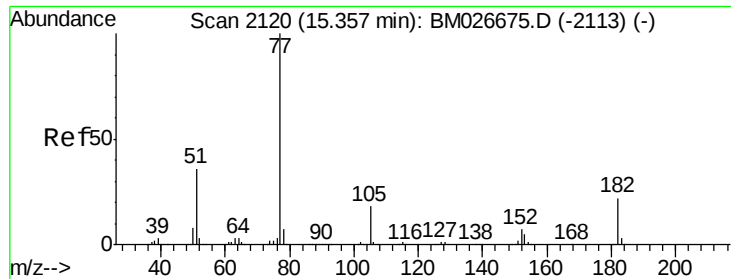
Tot Ion:204 Resp: 58705
Ion Ratio Lower Upper
204 100
206 32.3 25.9 38.9
141 63.4 49.5 74.3



#62
4-Nitroaniline
Concen: 4.534 ng
RT: 15.09 min Scan# 2075
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion:138 Resp: 16611
Ion Ratio Lower Upper
138 100
92 58.3 41.5 81.5
108 99.8 84.8 124.8





#63

Azobenzene

Concen: 7.142 ng

RT: 15.35 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 77 Resp: 130695

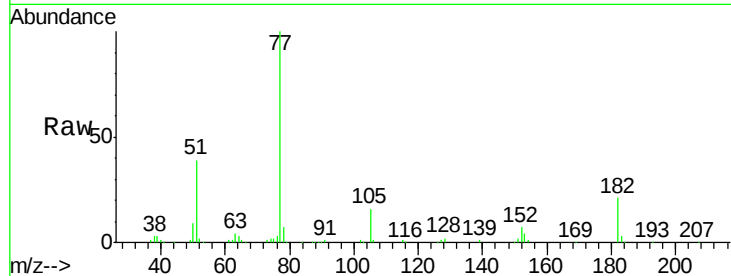
Ion Ratio Lower Upper

77 100

182 20.9 1.6 41.6

105 15.8 0.0 37.8

51 38.8 16.5 56.5

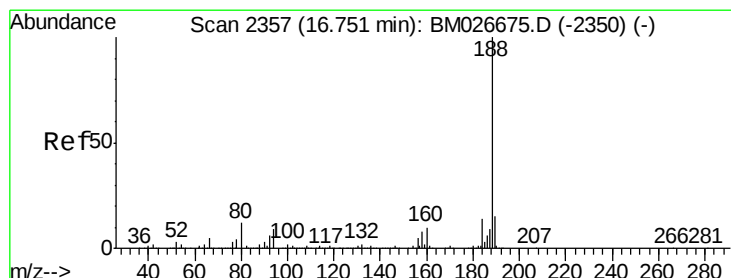
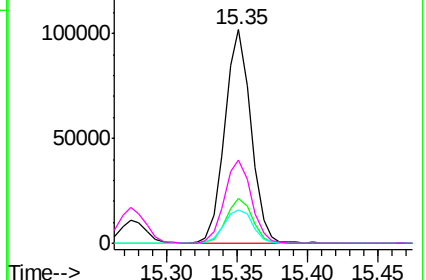
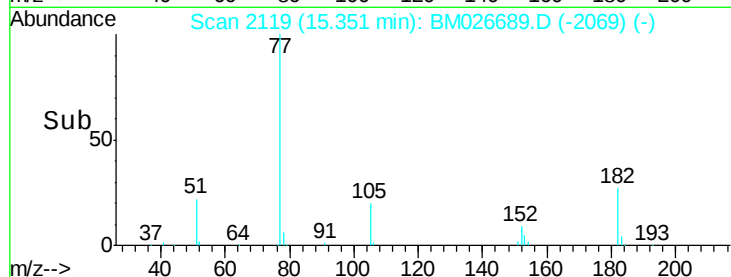


Abundance Ion 77.00 (76.70 to 77.70): BM0

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: BM026689.D

Acq: 07 Jul 2020 22:44

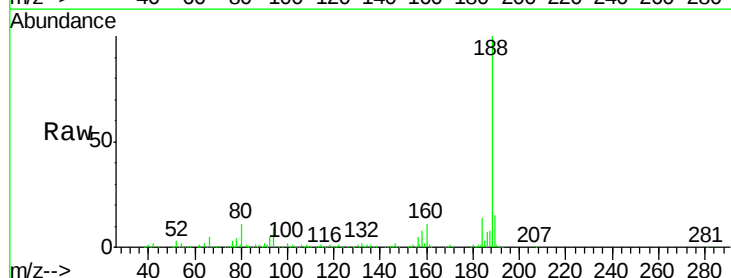
Tgt Ion: 188 Resp: 428464

Ion Ratio Lower Upper

188 100

94 9.1 7.4 11.0

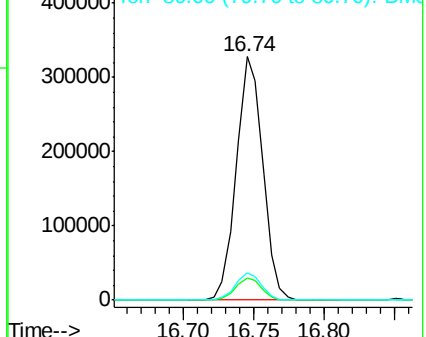
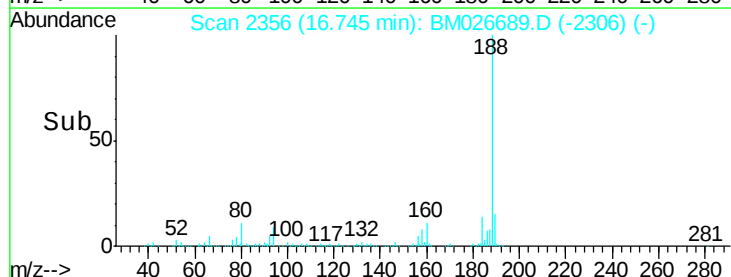
80 11.0 9.3 13.9

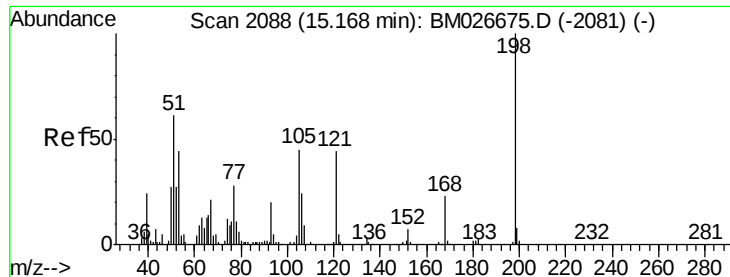


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

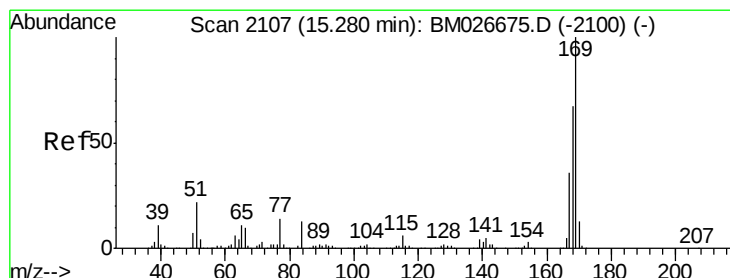
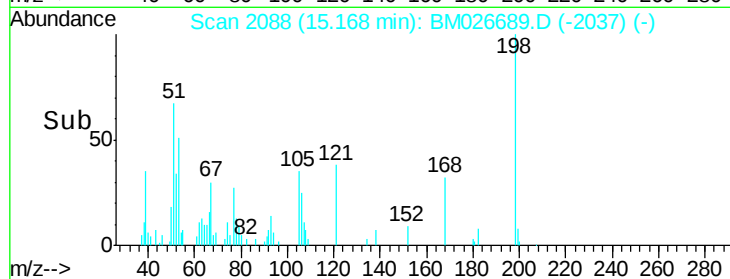
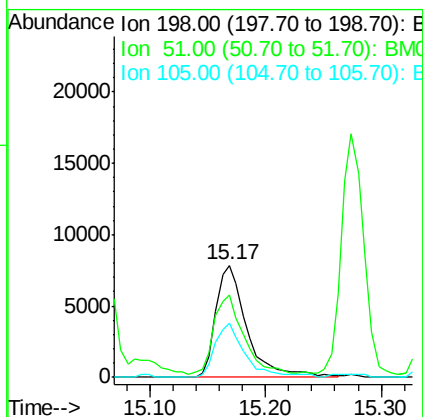
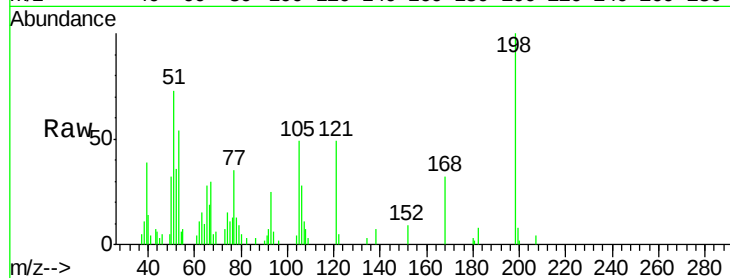




#65
4,6-Dinitro-2-methylphenol
Concen: 5.012 ng
RT: 15.17 min Scan# 2088
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

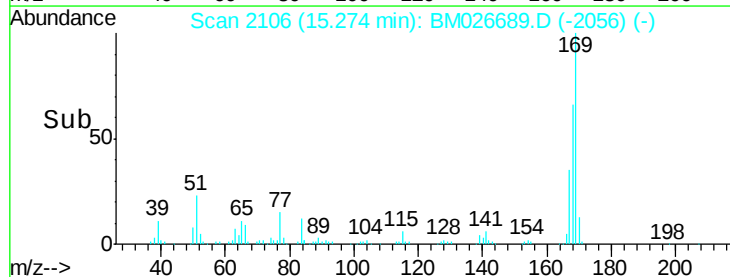
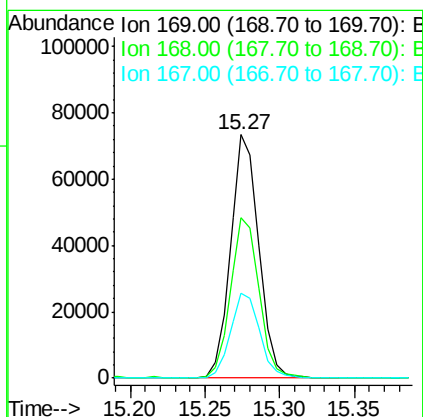
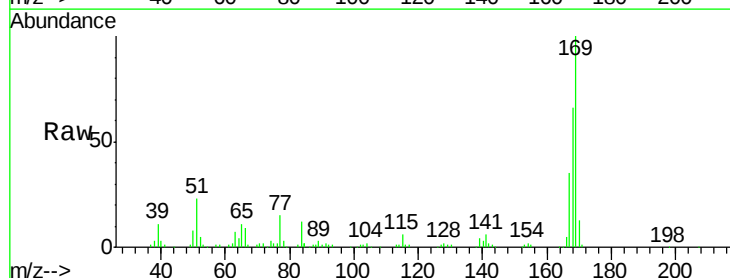
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

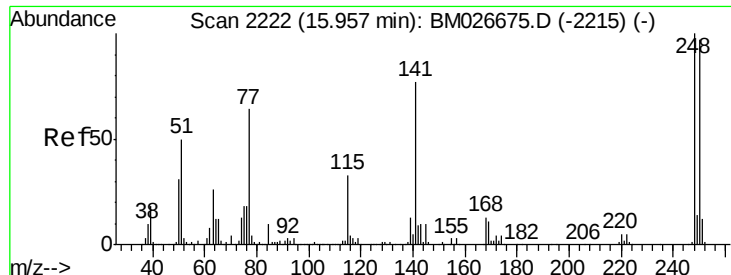
Tot Ion:198 Resp: 14599
Ion Ratio Lower Upper
198 100
51 73.1 42.0 82.0
105 48.6 24.9 64.9



#66
n-Nitrosodiphenylamine
Concen: 7.107 ng
RT: 15.27 min Scan# 2106
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion:169 Resp: 96771
Ion Ratio Lower Upper
169 100
168 65.8 53.8 80.8
167 34.7 28.6 43.0

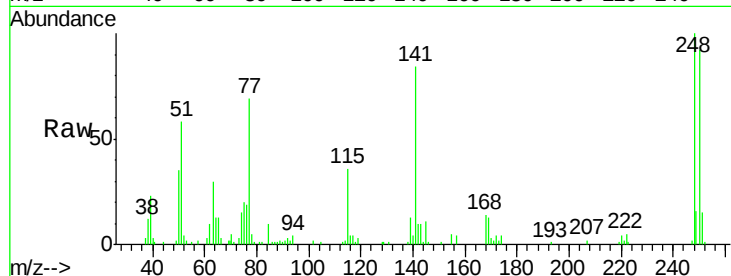




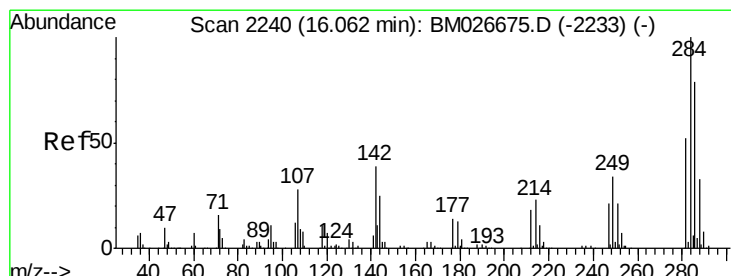
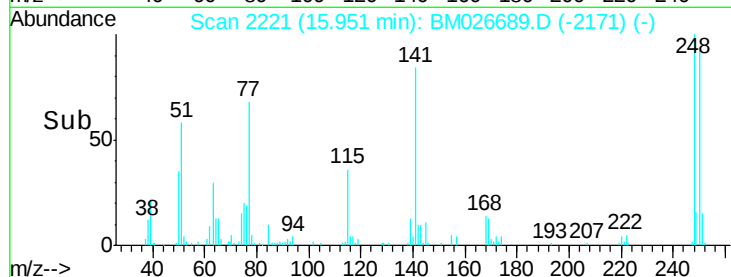
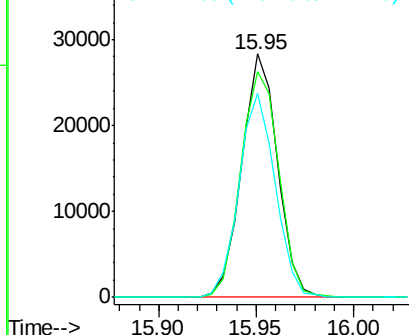
#67
 4-Bromophenyl-phenylether
 Concen: 6.749 ng
 RT: 15.95 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion:248 Resp: 35991
 Ion Ratio Lower Upper
 248 100
 250 92.5 77.4 116.2
 141 83.6 61.9 92.9

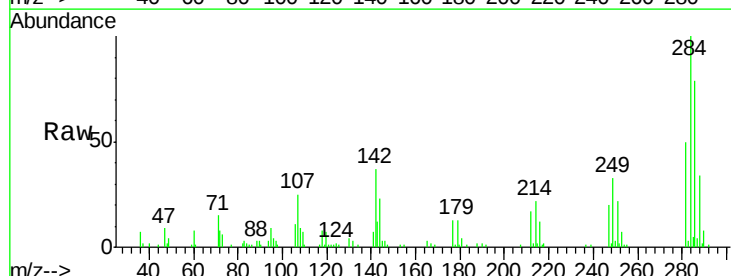


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

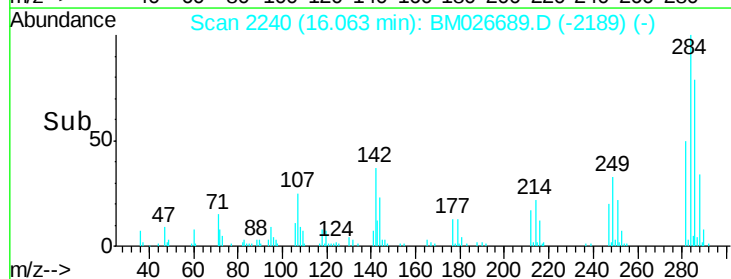
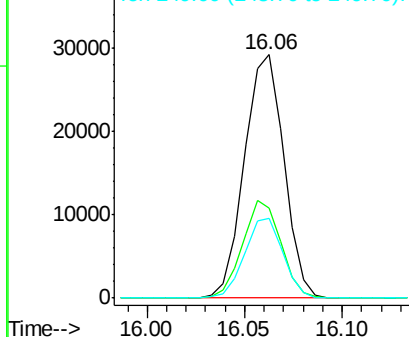


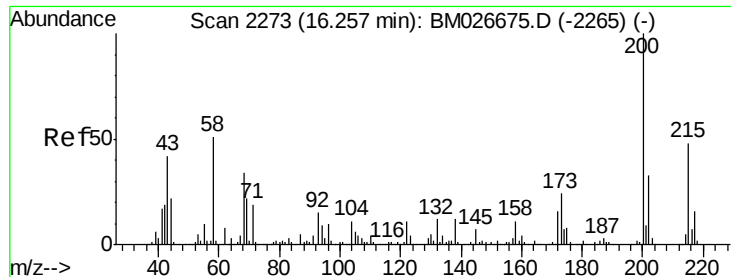
#68
 Hexachlorobenzene
 Concen: 7.304 ng
 RT: 16.06 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

Tgt Ion:284 Resp: 40996
 Ion Ratio Lower Upper
 284 100
 142 36.8 31.1 46.7
 249 33.0 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

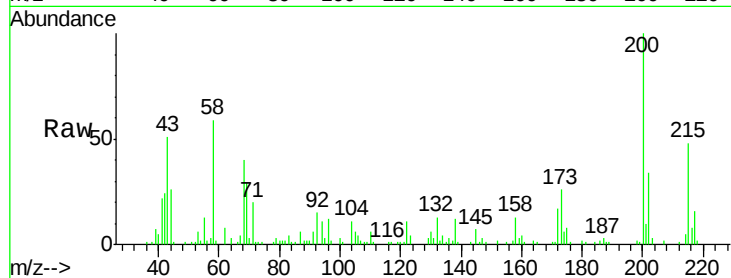




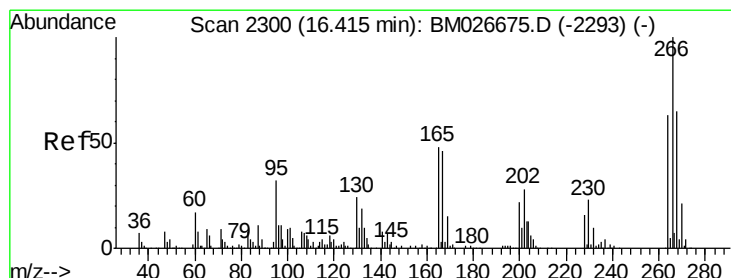
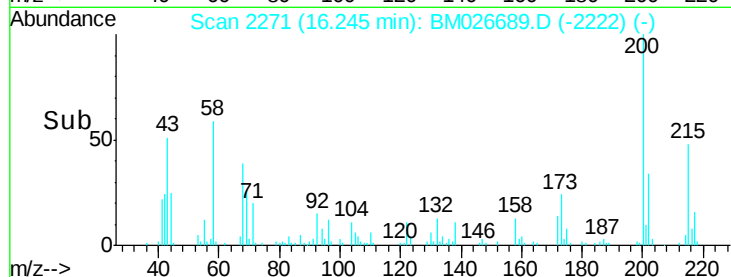
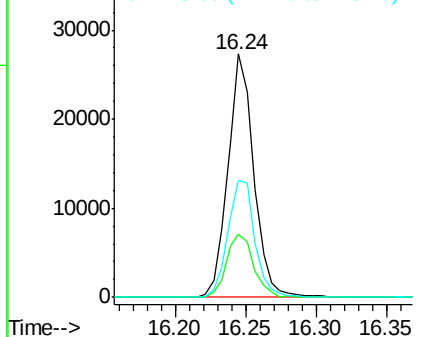
#69
Atrazine
Concen: 8.478 ng
RT: 16.24 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:200 Resp: 34711
Ion Ratio Lower Upper
200 100
173 25.7 4.5 44.5
215 48.3 28.4 68.4

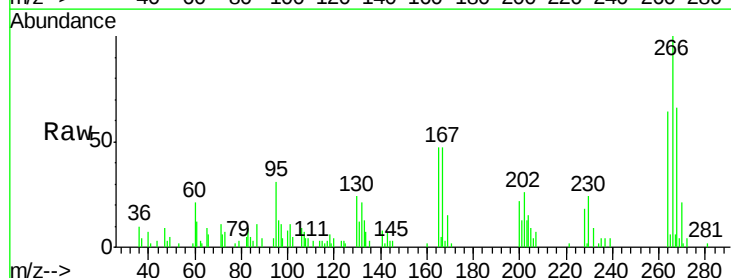


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

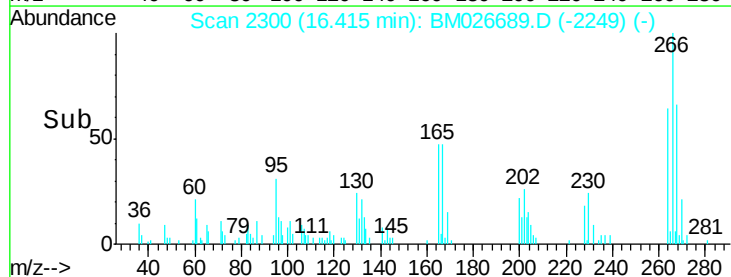
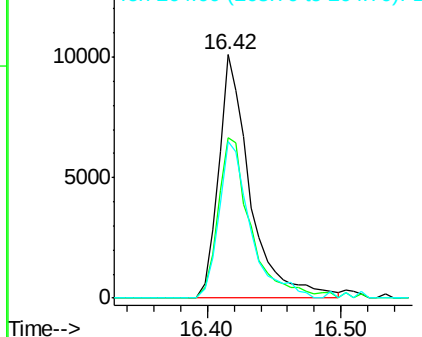


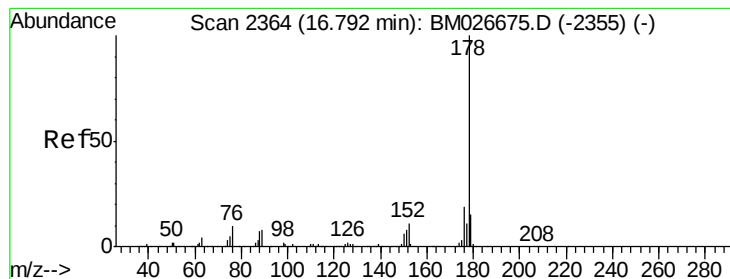
#70
Pentachlorophenol
Concen: 5.270 ng
RT: 16.42 min Scan# 2300
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion:266 Resp: 16734
Ion Ratio Lower Upper
266 100
268 66.0 51.8 77.6
264 69.9 50.1 75.1



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 7.357 ng

RT: 16.79 min Scan# 2363

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

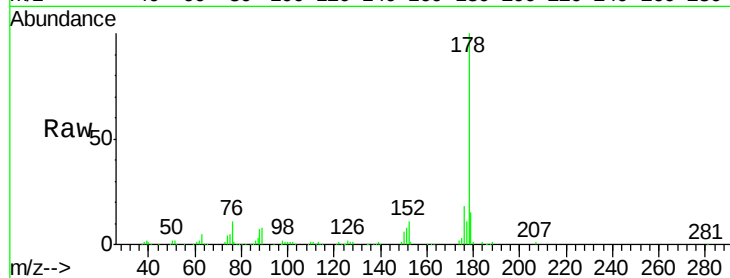
Tot Ion:178 Resp: 186101

Ion Ratio Lower Upper

178 100

176 17.9 15.0 22.6

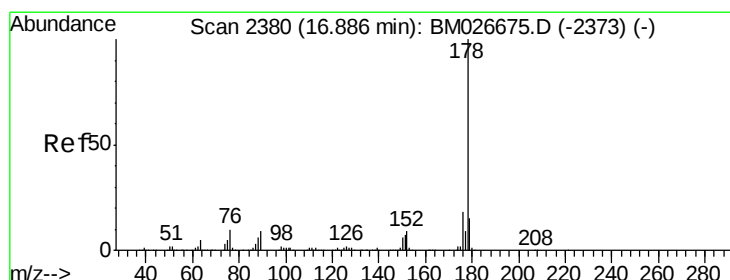
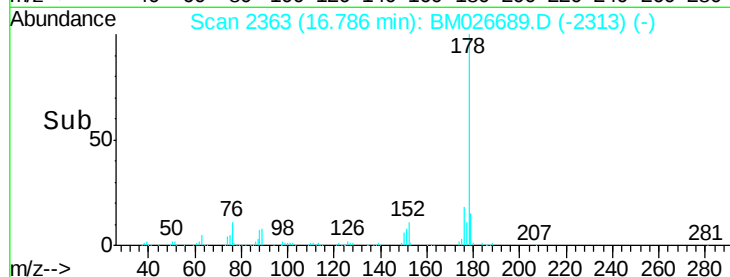
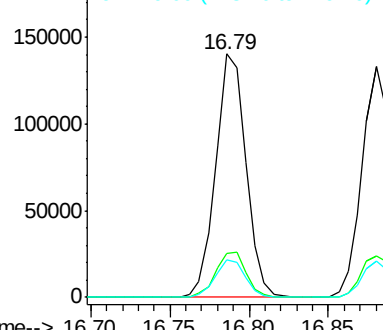
179 15.2 12.1 18.1



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: 7.238 ng

RT: 16.88 min Scan# 2379

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

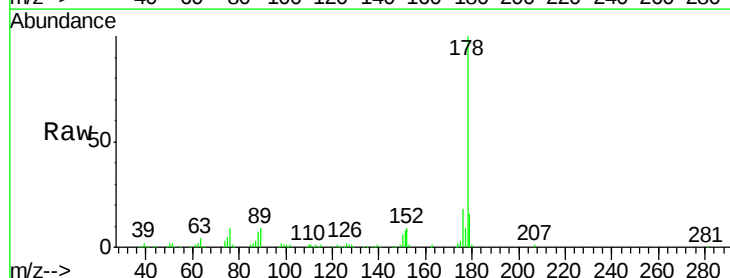
Tgt Ion:178 Resp: 182265

Ion Ratio Lower Upper

178 100

176 18.1 14.7 22.1

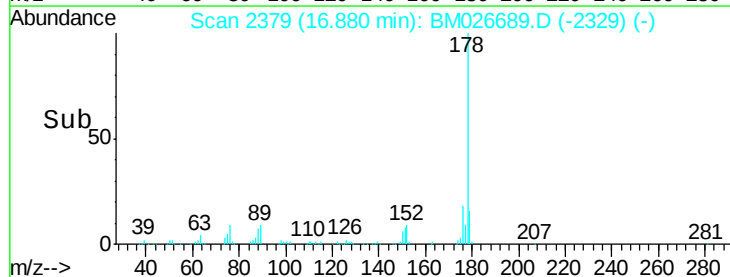
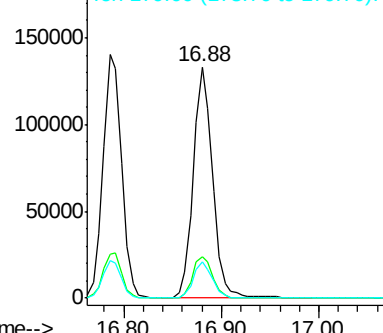
179 15.5 12.1 18.1

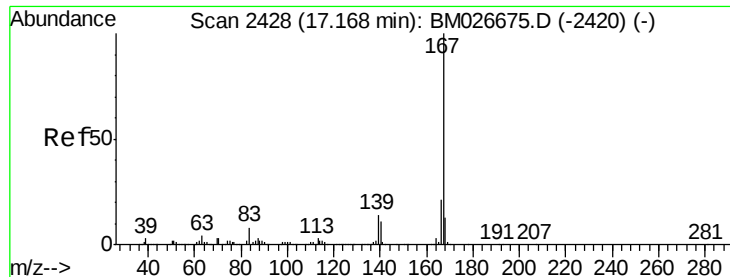


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

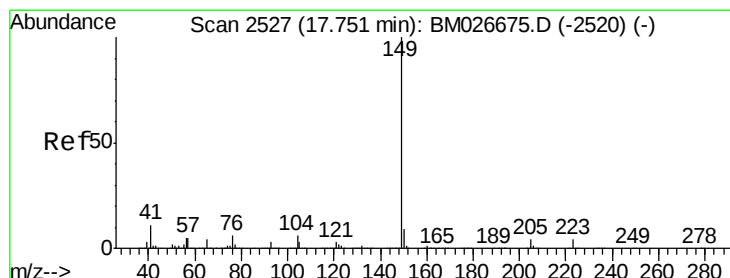
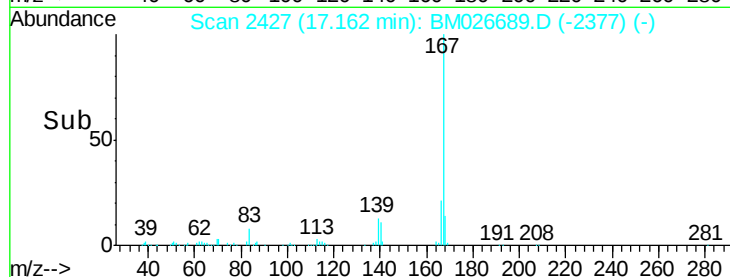
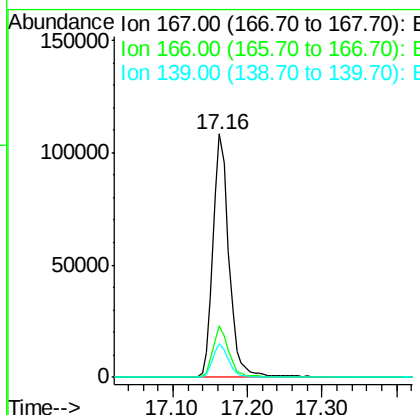
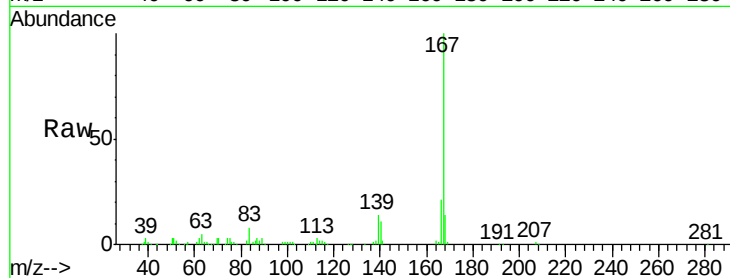




#73
 Carbazole
 Concen: 6.722 ng
 RT: 17.16 min Scan# 2427
 Delta R.T. -0.01 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

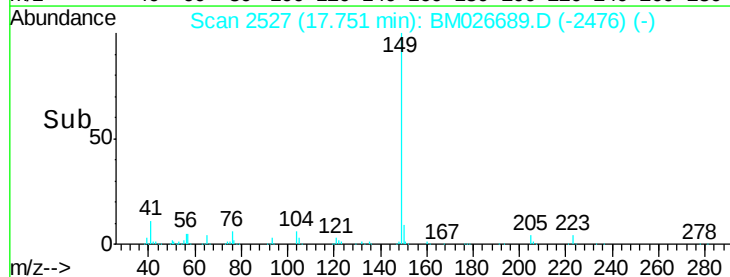
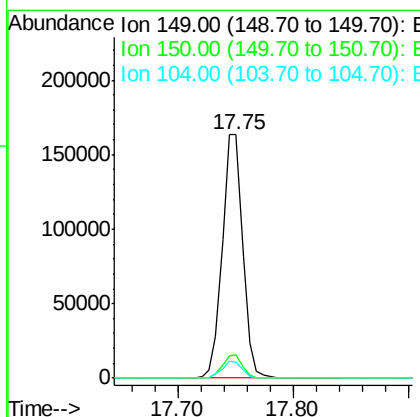
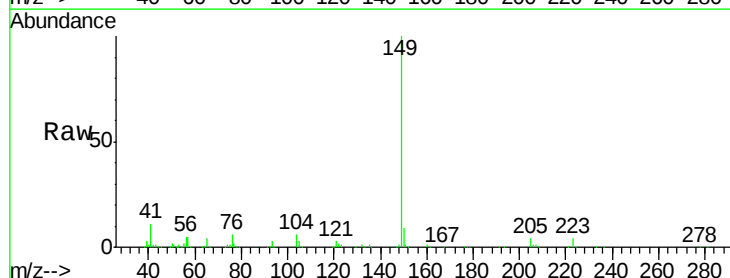
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

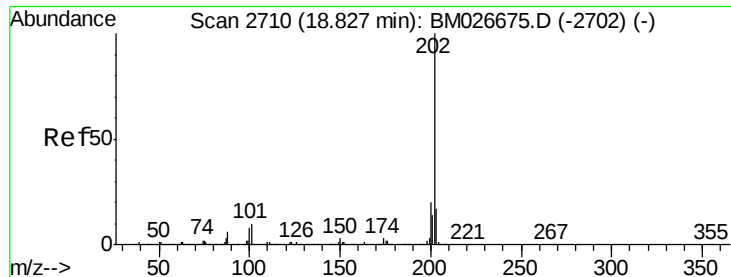
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	13.8	10.8	16.2



#74
 Di-n-butylphthalate
 Concen: 6.646 ng
 RT: 17.75 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.3	10.9
104	6.4	5.0	7.4





#75

Fluoranthene

Concen: 7.282 ng

RT: 18.82 min Scan# 2709

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

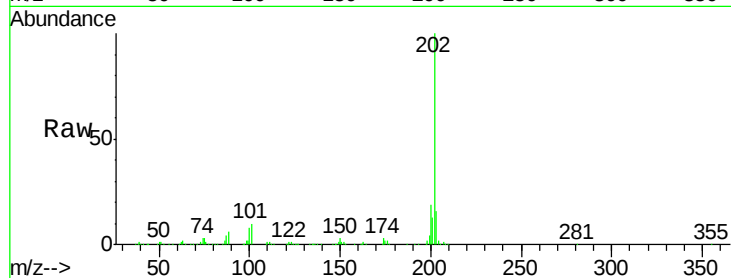
Tot Ion:202 Resp: 226864

Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.1

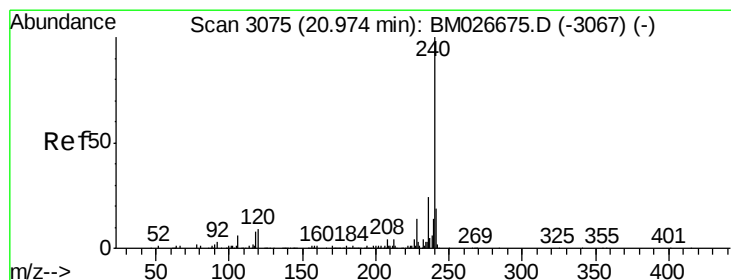
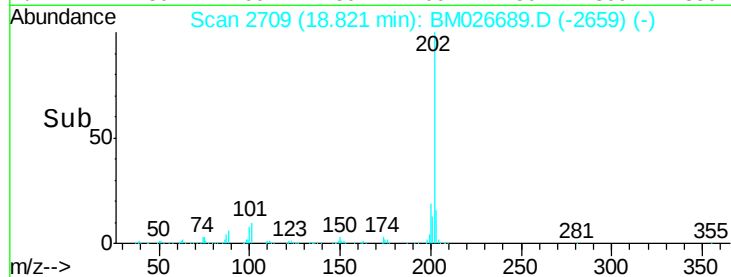
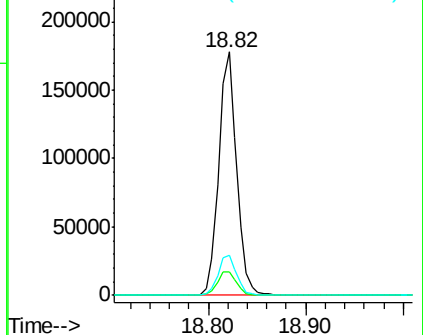
203 16.2 0.0 37.2



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: BM026689.D

Acq: 07 Jul 2020 22:44

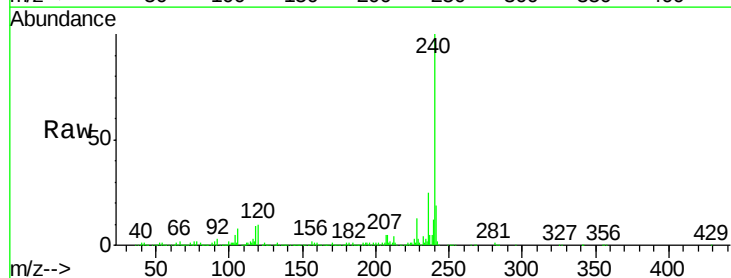
Tgt Ion:240 Resp: 514169

Ion Ratio Lower Upper

240 100

120 10.3 7.3 10.9

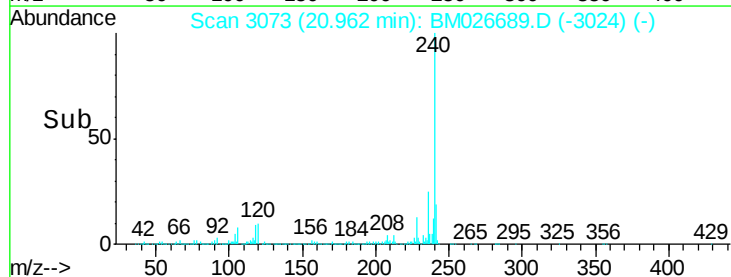
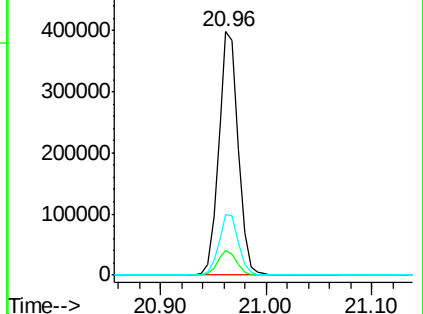
236 24.7 19.4 29.2

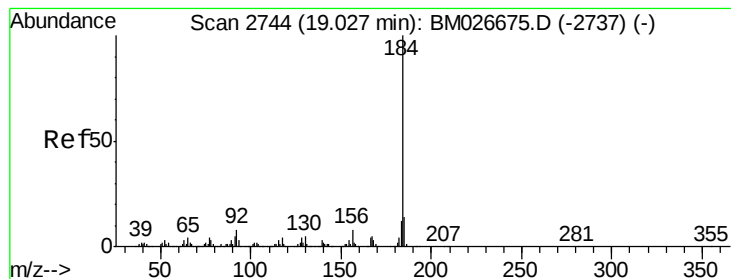


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 8.750 ng

RT: 19.03 min Scan# 2744

Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

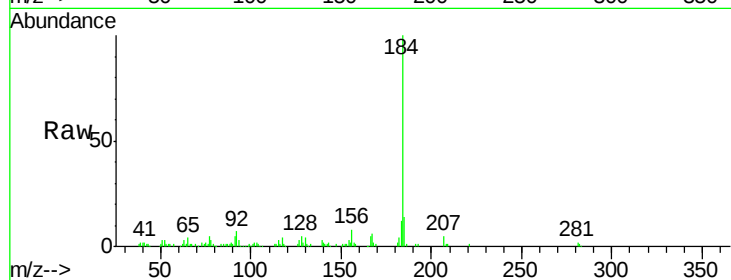
Tot Ion:184 Resp: 88702

Ion Ratio Lower Upper

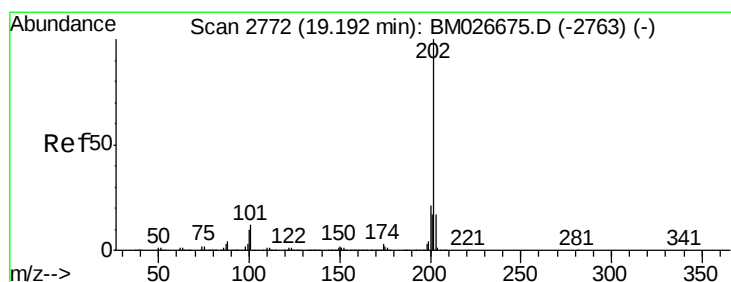
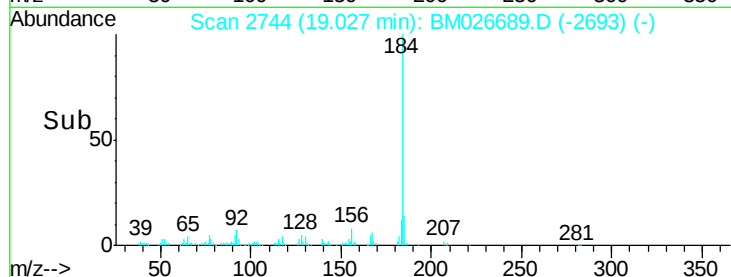
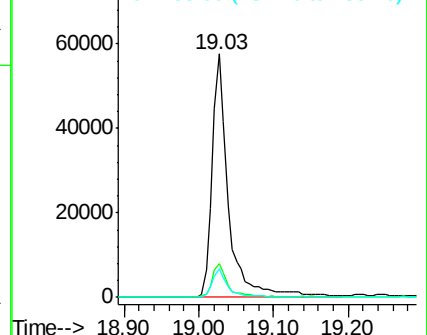
184 100

185 13.9 10.9 16.3

183 11.9 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: 7.357 ng

RT: 19.19 min Scan# 2771

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

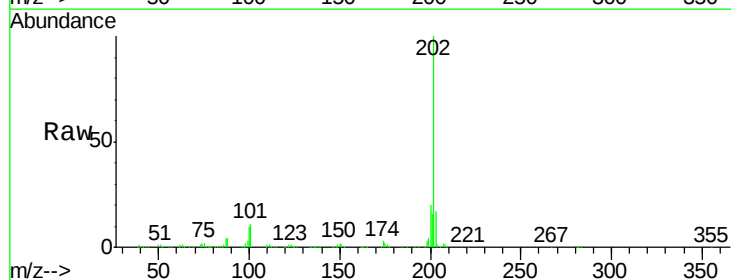
Tgt Ion:202 Resp: 238285

Ion Ratio Lower Upper

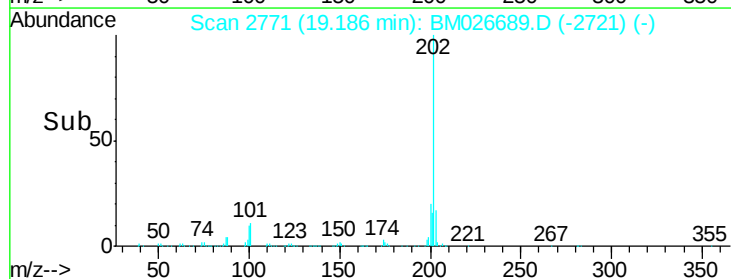
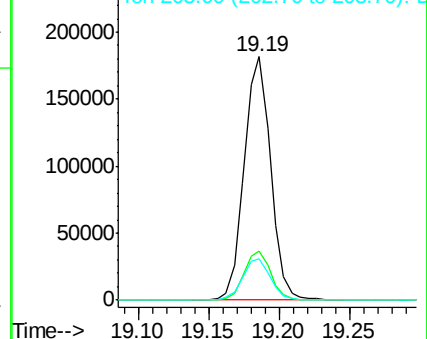
202 100

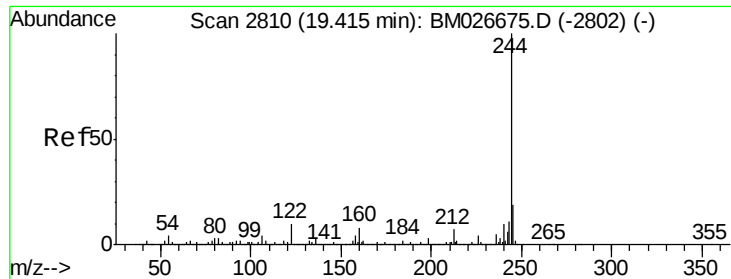
200 20.4 16.6 24.8

203 17.1 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

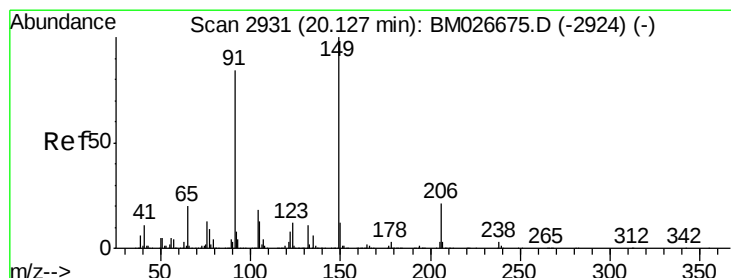
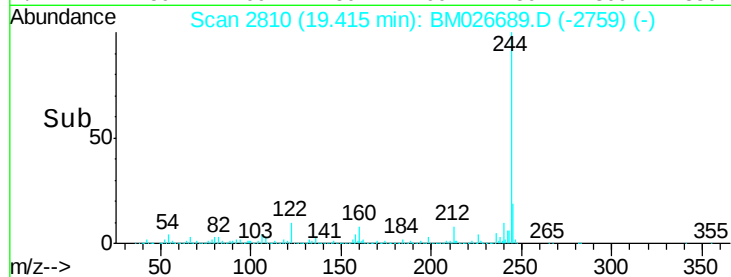
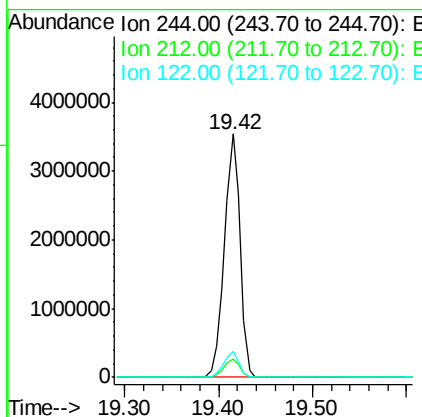
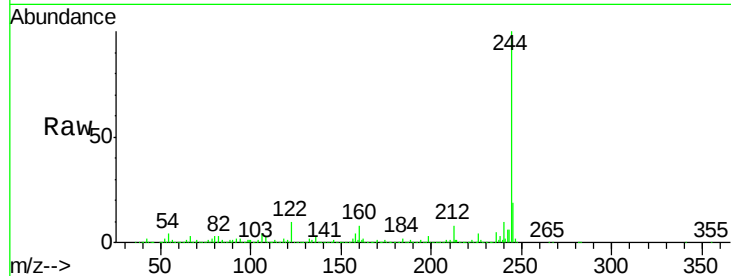




#79
 Terphenyl-d14
 Concen: 156.451 ng
 RT: 19.42 min Scan# 2810
 Delta R.T. 0.00 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

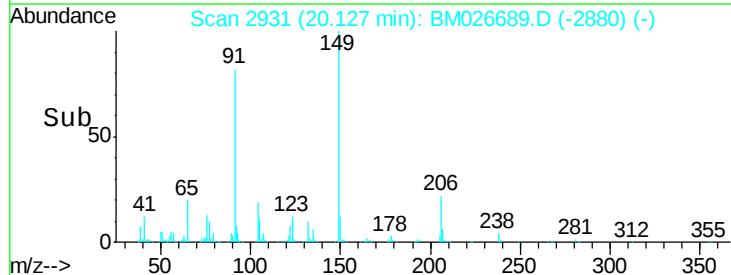
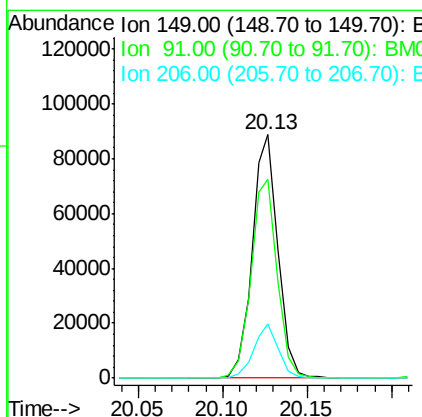
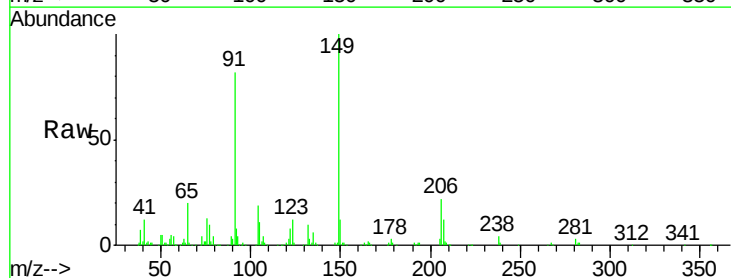
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

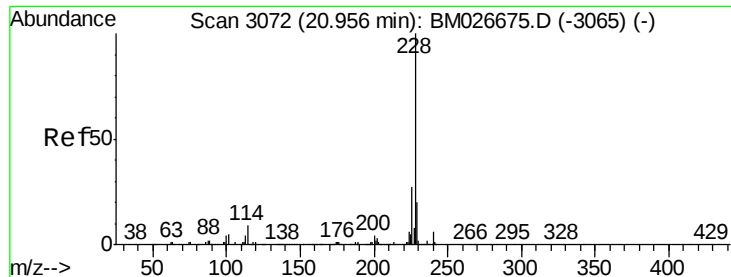
Tot Ion:244 Resp: 4087478
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.9 8.9
 122 10.5 8.2 12.4



#80
 Butylbenzylphthalate
 Concen: 6.461 ng
 RT: 20.13 min Scan# 2931
 Delta R.T. 0.00 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

Tgt Ion:149 Resp: 93916
 Ion Ratio Lower Upper
 149 100
 91 81.8 67.6 101.4
 206 22.1 16.7 25.1





#81

Benzo(a)anthracene

Concen: 7.384 ng

RT: 20.95 min Scan# 3071

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

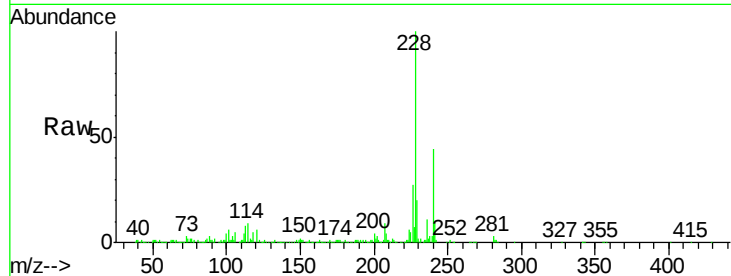
Tot Ion:228 Resp: 255025

Ion Ratio Lower Upper

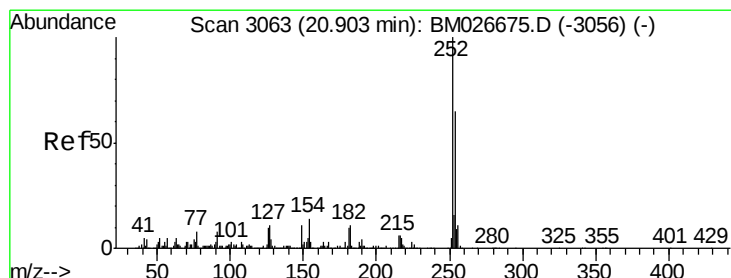
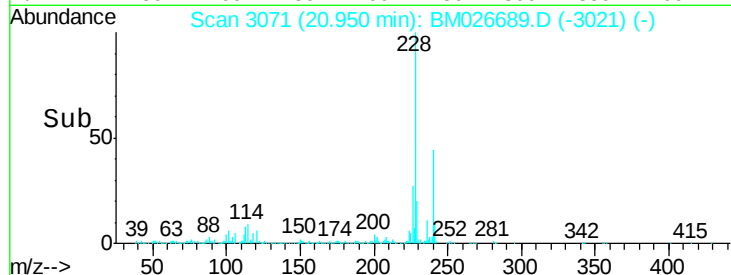
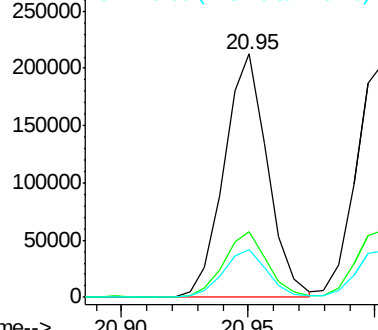
228 100

226 26.8 21.4 32.2

229 19.7 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: 7.955 ng

RT: 20.90 min Scan# 3062

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

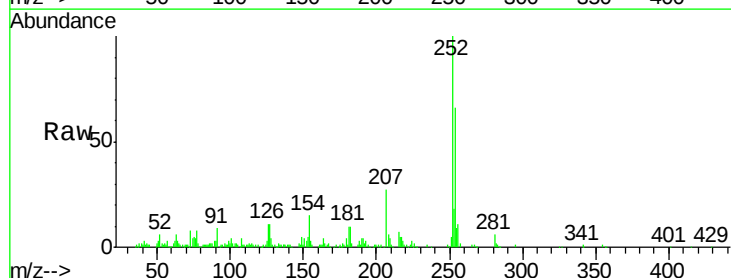
Tgt Ion:252 Resp: 87201

Ion Ratio Lower Upper

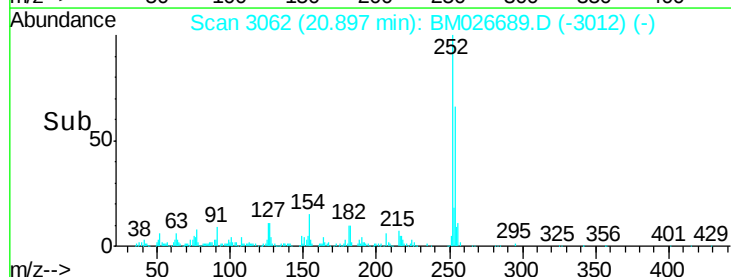
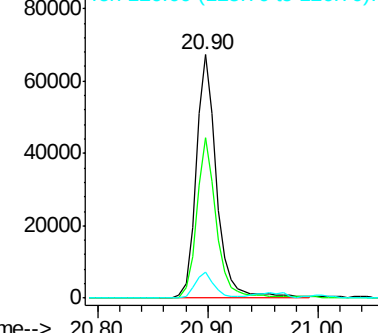
252 100

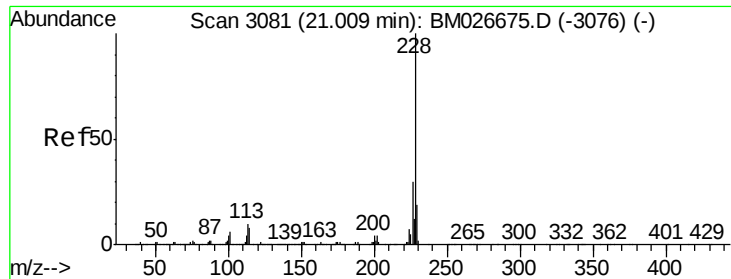
254 66.1 51.9 77.9

126 10.6 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

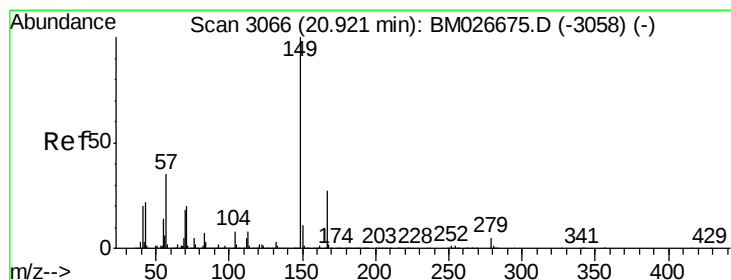
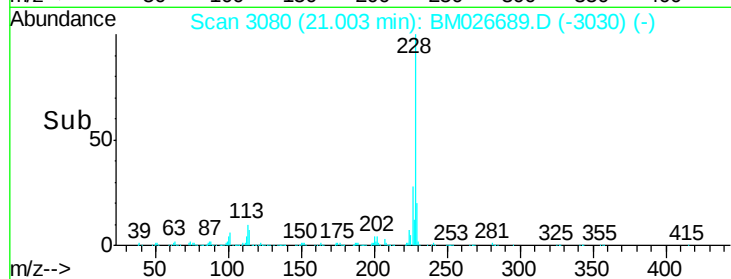
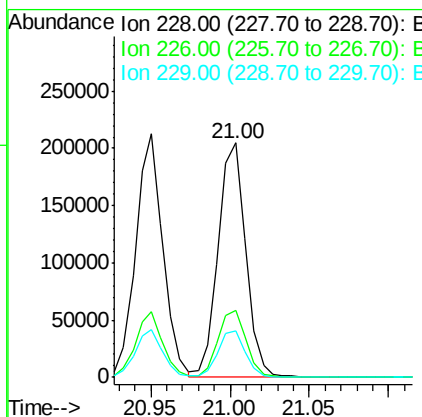
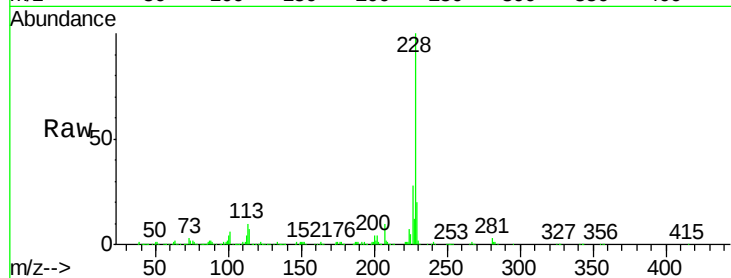




#83
Chrysene
Concen: 7.361 ng
RT: 21.00 min Scan# 3080
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

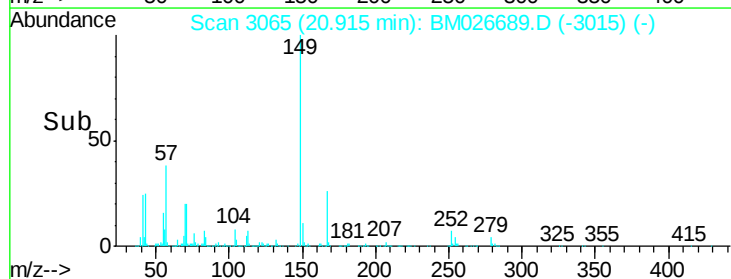
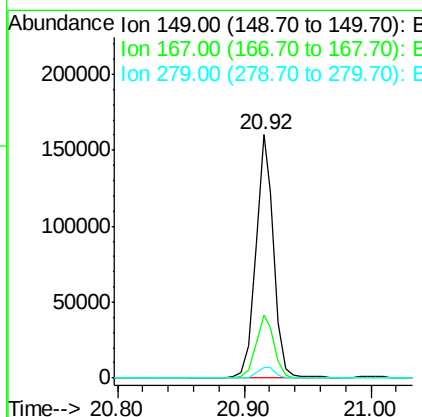
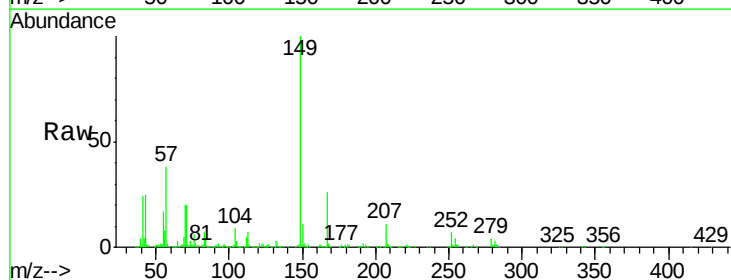
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

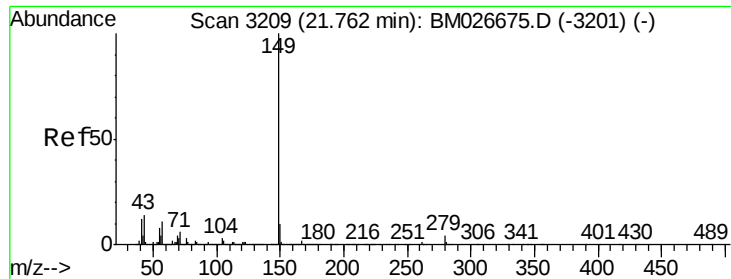
Tot Ion:228 Resp: 247436
Ion Ratio Lower Upper
228 100
226 28.5 23.7 35.5
229 19.7 15.4 23.0



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.727 ng
RT: 20.92 min Scan# 3065
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion:149 Resp: 156640
Ion Ratio Lower Upper
149 100
167 25.9 21.9 32.9
279 4.3 3.7 5.5

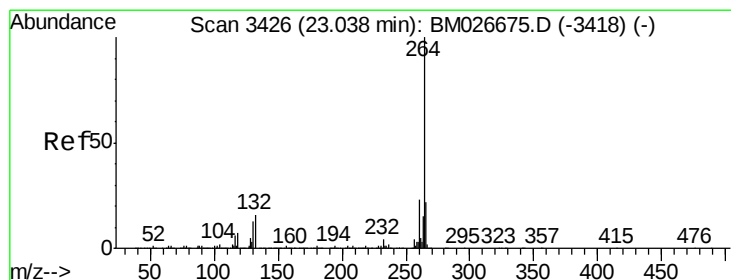
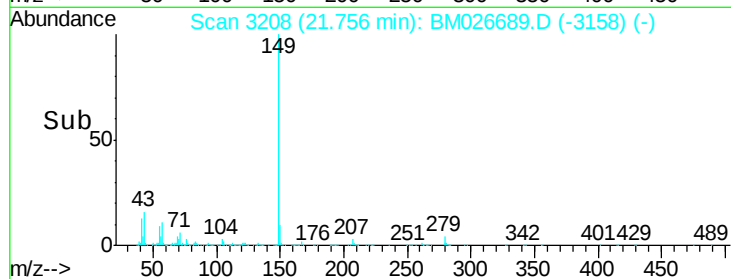
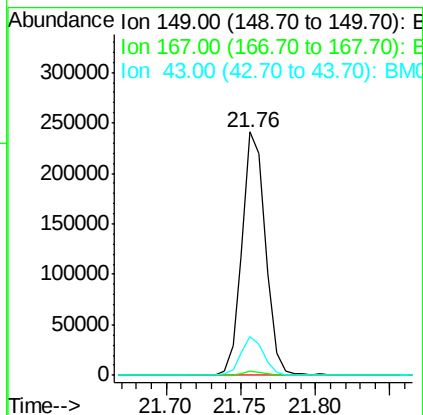
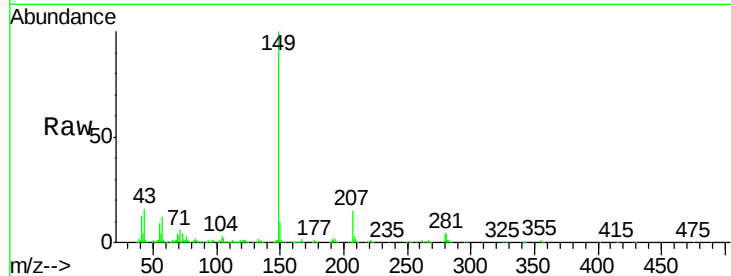




#85
Di-n-octyl phthalate
Concen: 6.555 ng
RT: 21.76 min Scan# 3208
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

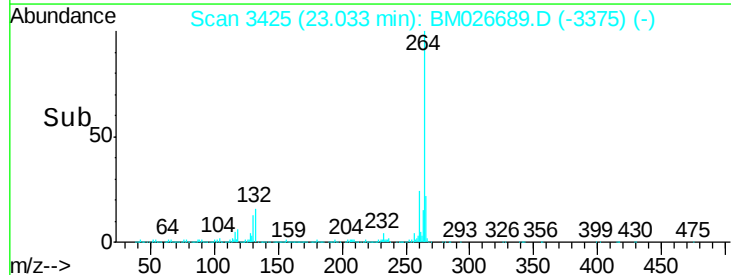
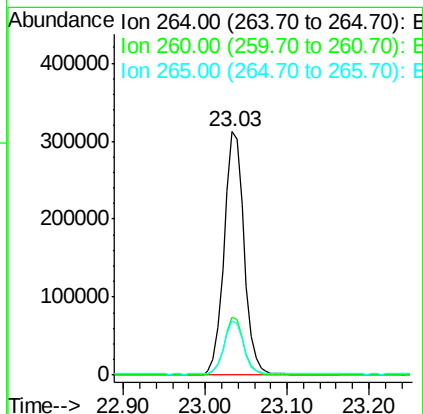
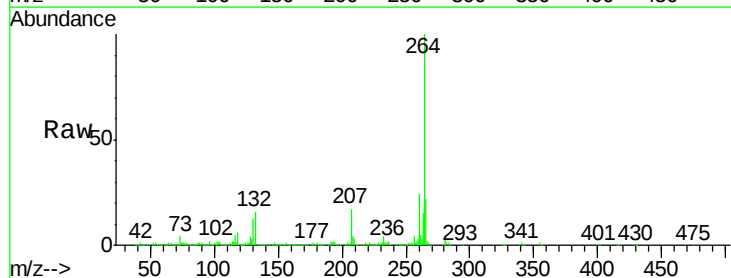
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

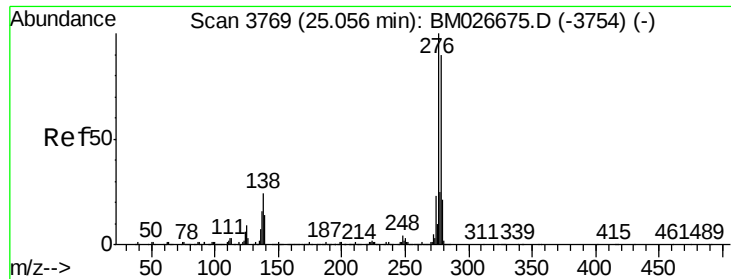
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	15.3	11.2	16.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.03 min Scan# 3425
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.2
265	22.0	17.6	26.4

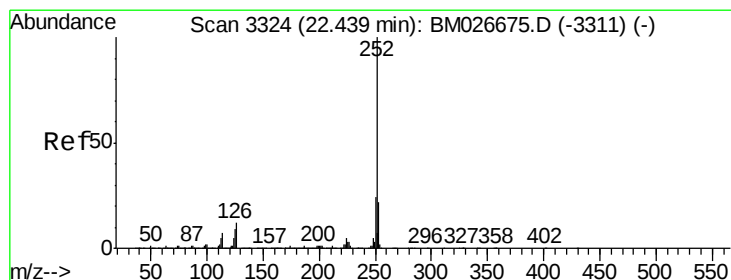
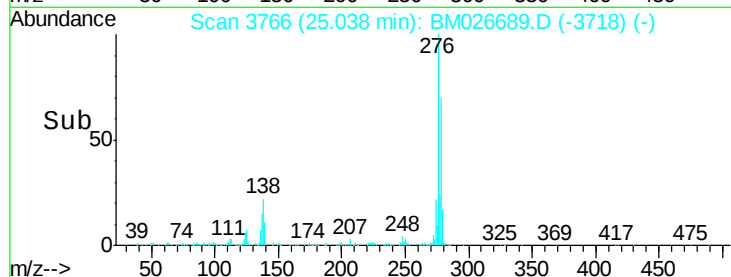
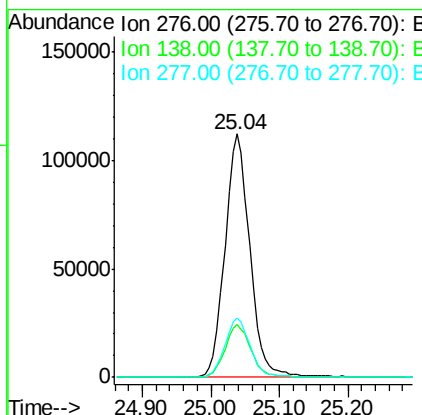
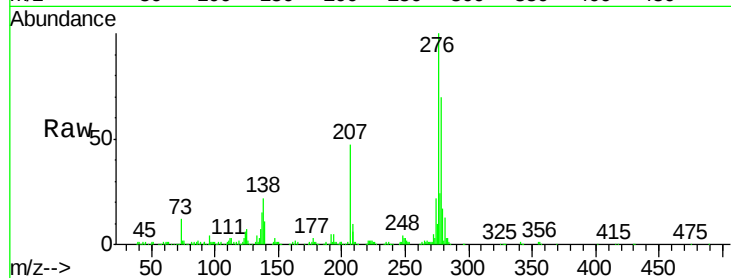




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.463 ng
 RT: 25.04 min Scan# 3766
 Delta R.T. -0.02 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

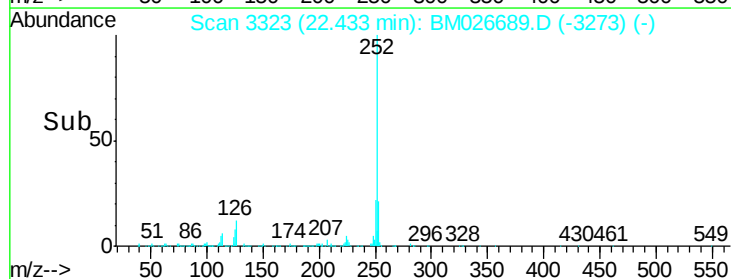
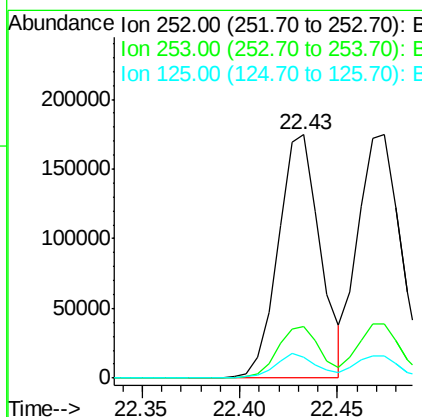
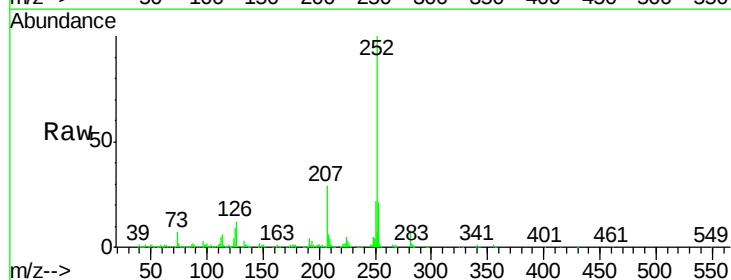
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

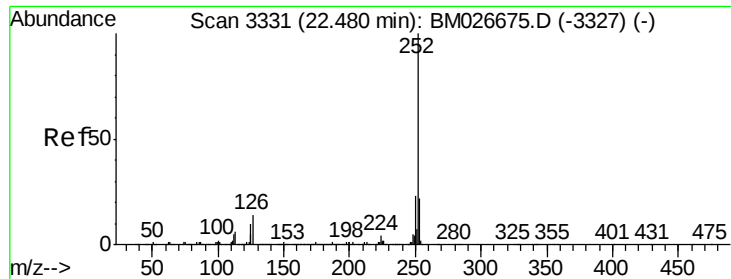
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.7	18.4	27.6
277	24.8	20.0	30.0



#88
 Benzo(b)fluoranthene
 Concen: 7.406 ng
 RT: 22.43 min Scan# 3323
 Delta R.T. -0.01 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.5	26.3
125	8.6	7.5	11.3

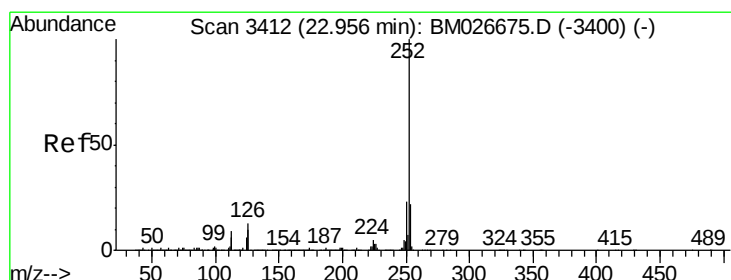
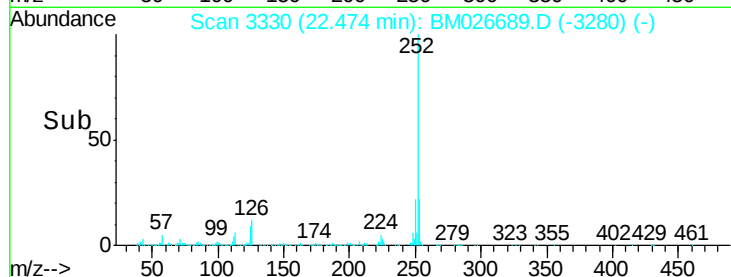
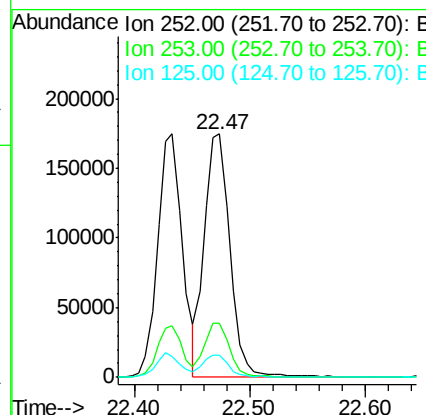
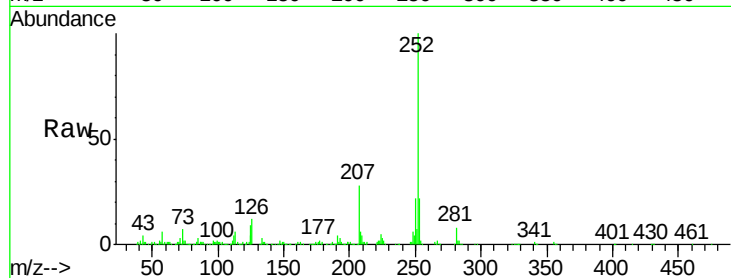




#89
Benzo(k)fluoranthene
Concen: 7.790 ng
RT: 22.47 min Scan# 3330
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

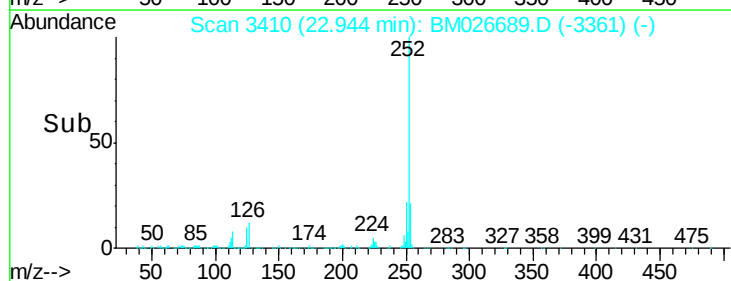
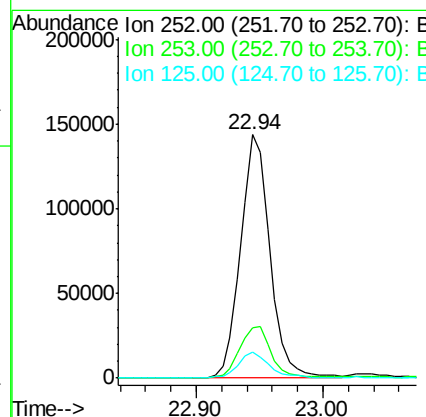
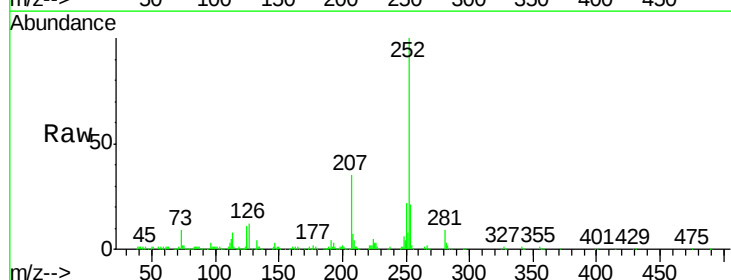
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

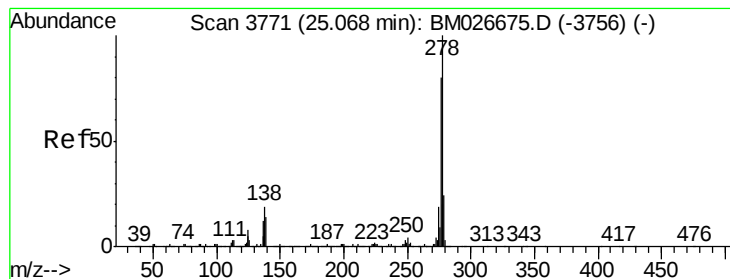
Tot Ion:252 Resp: 268171
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 8.9 7.8 11.8



#90
Benzo(a)pyrene
Concen: 7.035 ng
RT: 22.94 min Scan# 3410
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion:252 Resp: 229191
Ion Ratio Lower Upper
252 100
253 20.7 17.4 26.2
125 10.5 8.2 12.4





#91

Dibenzo(a,h)anthracene

Concen: 7.448 ng

RT: 25.04 min Scan# 3767

Delta R.T. -0.02 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

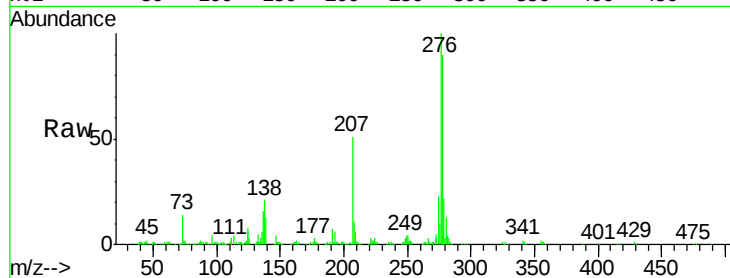
BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:278 Resp: 238418

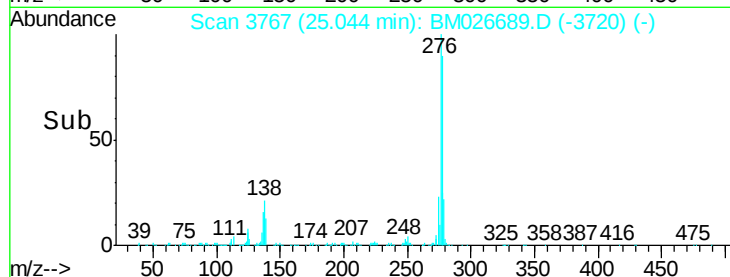
Ion	Ratio	Lower	Upper
278	100		
139	14.4	11.2	16.8
279	23.9	19.0	28.4



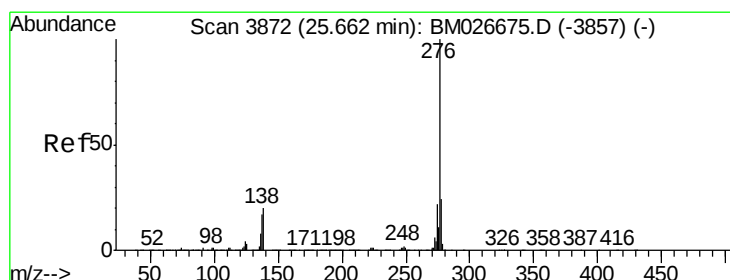
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#92

Benzo(g,h,i)perylene

Concen: 7.888 ng

RT: 25.64 min Scan# 3869

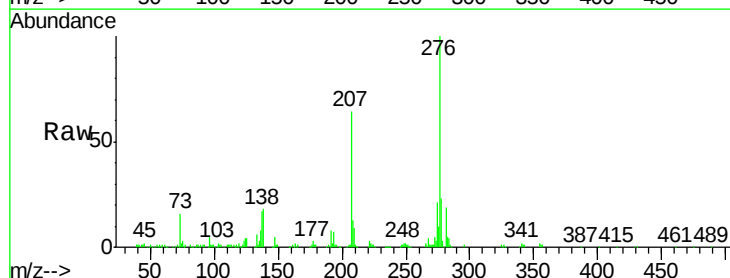
Delta R.T. -0.02 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Tgt Ion:276 Resp: 232660

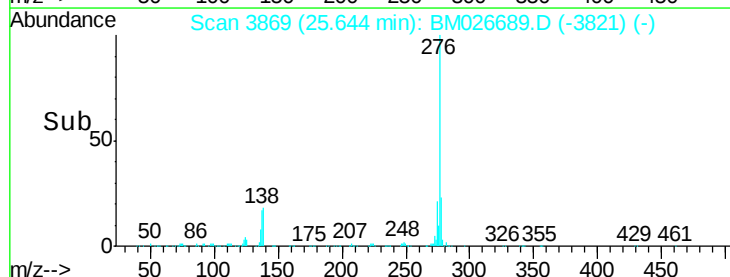
Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.1	28.7
138	17.9	15.8	23.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



Time-->