

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072318\
 Data File : BM016035.D
 Acq On : 23 Jul 2018 20:51
 Operator : SJ/JU
 Sample : J3762-02
 Misc : L00 20 PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Quant Time: Jul 24 06:05:33 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 23 16:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	41298	20.00	ng	0.00
21) Naphthalene-d8	11.05	136	157206	20.00	ng	0.00
38) Acenaphthene-d10	14.86	164	82748	20.00	ng	0.00
63) Phenanthrene-d10	17.59	188	179548	20.00	ng	0.00
75) Chrysene-d12	21.70	240	194373	20.00	ng	0.00
86) Perylene-d12	24.07	264	199592	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.74	112	321452	129.30	ng	0.00
7) Phenol-d6	7.39	99	398586	122.76	ng	0.00
23) Nitrobenzene-d5	9.42	82	302101	89.38	ng	0.00
41) 2,4,6-Tribromophenol	16.34	330	142450	135.73	ng	0.00
44) 2-Fluorobiphenyl	13.48	172	611439	89.91	ng	0.00
78) Terphenyl-d14	20.16	244	1109535	119.49	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	19068	16.370	ng	# 100
3) Pyridine	3.97	79	44901	16.001	ng	# 79
4) n-Nitrosodimethylamine	3.88	42	40226	18.379	ng	# 38
6) Aniline	7.56	93	48117	12.871	ng	92
8) 2-Chlorophenol	7.79	128	52995	17.935	ng	99
9) Benzaldehyde	7.37	77	46781	20.508	ng	89
10) Phenol	7.42	94	58826	18.120	ng	96
11) bis(2-Chloroethyl)ether	7.65	93	42532	16.583	ng	90
12) 1,3-Dichlorobenzene	8.12	146	58748	16.986	ng	# 85
13) 1,4-Dichlorobenzene	8.27	146	60178	17.156	ng	# 93
14) 1,2-Dichlorobenzene	8.59	146	58641	17.085	ng	# 93
15) Benzyl Alcohol	8.49	79	40493	15.663	ng	89
16) 2,2'-oxybis(1-Chloropropan	8.75	45	65596	16.711	ng	97
17) 2-Methylphenol	8.68	107	40673	18.329	ng	# 86
18) Hexachloroethane	9.31	117	26039	17.173	ng	97
19) n-Nitroso-di-n-propylamine	9.05	70	38039	16.029	ng	# 75
20) 3+4-Methylphenols	9.01	107	52552	16.460	ng	89
22) Acetophenone	9.07	105	75379	19.043	ng	# 80
24) Nitrobenzene	9.46	77	64942	19.088	ng	95
25) Isophorone	9.98	82	94880	20.522	ng	# 94
26) 2-Nitrophenol	10.17	139	23774	16.740	ng	# 56
27) 2,4-Dimethylphenol	10.22	122	41842	21.147	ng	# 78
28) bis(2-Chloroethoxy)methane	10.46	93	58982	19.629	ng	99
29) 2,4-Dichlorophenol	10.71	162	44988	19.134	ng	92
30) 1,2,4-Trichlorobenzene	10.92	180	52384	18.337	ng	# 95
31) Naphthalene	11.10	128	159587	20.058	ng	98
32) Benzoic acid	10.35	122	25026	16.592	ng	# 85
33) 4-Chloroaniline	11.23	127	41597	12.812	ng	# 89
34) Hexachlorobutadiene	11.36	225	36779	18.560	ng	96
35) Caprolactam	12.02	113	10007	15.367	ng	93
36) 4-Chloro-3-methylphenol	12.33	107	47834	18.497	ng	86
37) 2-Methylnaphthalene	12.70	142	113003	21.202	ng	# 90
39) 1,2,4,5-Tetrachlorobenzene	13.06	216	55052	19.542	ng	# 100
40) Hexachlorocyclopentadiene	13.02	237	23125	22.792	ng	95

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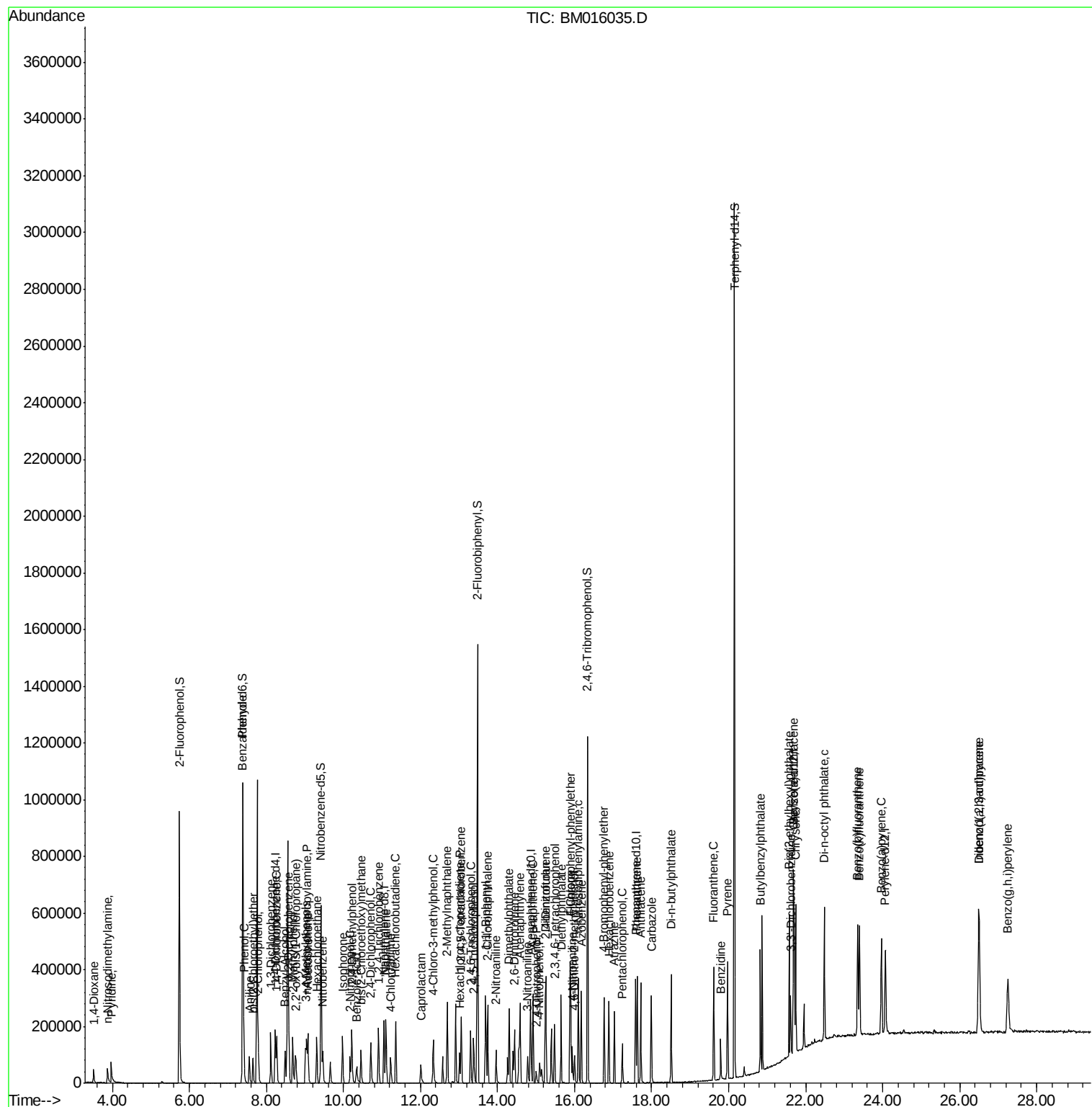
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42) 2,4,6-Trichlorophenol	13.30	196	33733	19.139	nq	99
43) 2,4,5-Trichlorophenol	13.38	196	35827	19.706	nq #	83
45) 1,1'-Biphenyl	13.69	154	139360	18.661	nq	96
46) 2-Chloronaphthalene	13.74	162	109197	18.800	nq #	89
47) 2-Nitroaniline	13.96	65	32181	16.759	nq #	75
48) Acenaphthylene	14.59	152	173215	20.371	nq	99
49) Dimethylphthalate	14.31	163	140648	19.422	nq	99
50) 2,6-Dinitrotoluene	14.44	165	27851	19.114	nq #	51
51) Acenaphthene	14.92	154	101400	19.390	nq	98
52) 3-Nitroaniline	14.78	138	21002	13.345	nq #	68
53) 2,4-Dinitrophenol	15.00	184	9193	19.688	nq #	83
54) Dibenzofuran	15.25	168	164946	19.141	nq #	79
55) 4-Nitrophenol	15.10	139	18363	16.276	nq #	82
56) 2,4-Dinitrotoluene	15.24	165	37133	17.823	nq #	85
57) Fluorene	15.90	166	130145	20.323	nq	97
58) 2,3,4,6-Tetrachlorophenol	15.48	232	30955	19.809	nq #	100
59) Diethylphthalate	15.65	149	147397	18.884	nq	95
60) 4-Chlorophenyl-phenylether	15.88	204	64887	18.202	nq #	80
61) 4-Nitroaniline	15.94	138	23437	15.521	nq #	10
62) Azobenzene	16.17	77	159447	19.397	nq #	76
64) 4,6-Dinitro-2-methylphenol	16.00	198	16140	14.810	nq	85
65) n-Nitrosodiphenylamine	16.10	169	110167	18.634	nq	95
66) 4-Bromophenyl-phenylether	16.77	248	37318	18.355	nq #	75
67) Hexachlorobenzene	16.89	284	41078	18.347	nq #	67
68) Atrazine	17.03	200	39676	18.724	nq	97
69) Pentachlorophenol	17.24	266	17560	12.666	nq	96
70) Phenanthrene	17.63	178	200626	19.958	nq	99
71) Anthracene	17.72	178	200001	20.472	nq	98
72) Carbazole	17.99	167	179246	17.710	nq	98
73) Di-n-butylphthalate	18.51	149	225573	17.886	nq #	96
74) Fluoranthene	19.61	202	219751	19.598	nq	99
76) Benzidine	19.79	184	72240	13.300	nq	100
77) Pyrene	19.97	202	228913	19.652	nq	99
79) Butylbenzylphthalate	20.83	149	107928	18.239	nq #	84
80) Benzo(a)anthracene	21.69	228	238198	19.897	nq	99
81) 3,3'-Dichlorobenzidine	21.62	252	48562	10.071	nq	95
82) Chrysene	21.74	228	229142	19.953	nq	99
83) Bis(2-ethylhexyl)phthalate	21.57	149	150825	17.587	nq	91
84) Di-n-octyl phthalate	22.48	149	264474	18.349	nq #	89
85) Indeno(1,2,3-cd)pyrene	26.50	276	279498	20.510	nq #	94
87) Benzo(b)fluoranthene	23.35	252	241442	20.546	nq #	95
88) Benzo(k)fluoranthene	23.40	252	236134	19.827	nq	97
89) Benzo(a)pyrene	23.97	252	233110	20.634	nq	100
90) Dibenzo(a,h)anthracene	26.50	278	235904	20.155	nq #	96
91) Benzo(g,h,i)perylene	27.25	276	226988	20.504	nq #	94

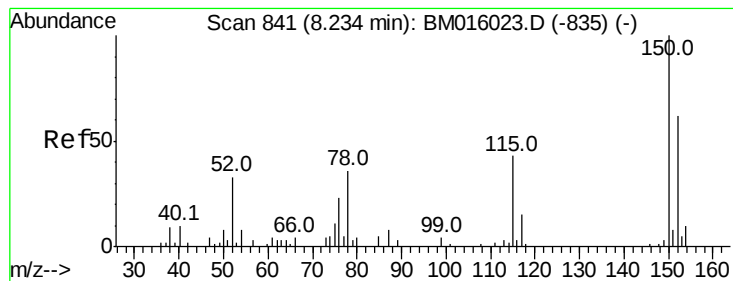
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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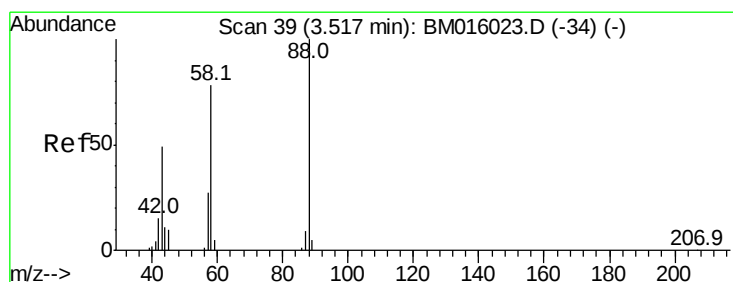
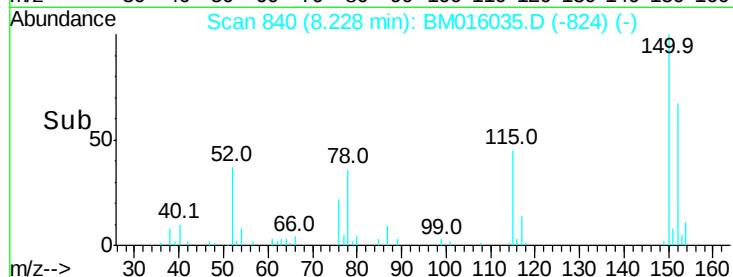
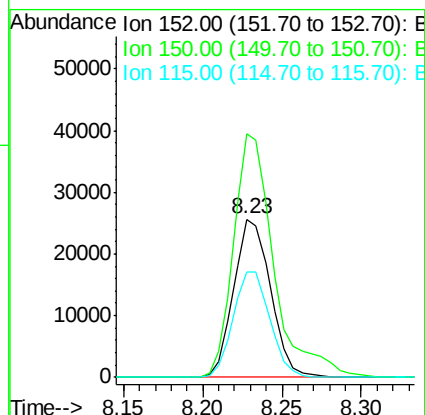
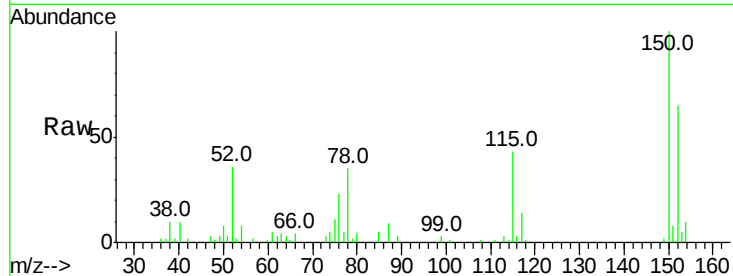




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.23 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

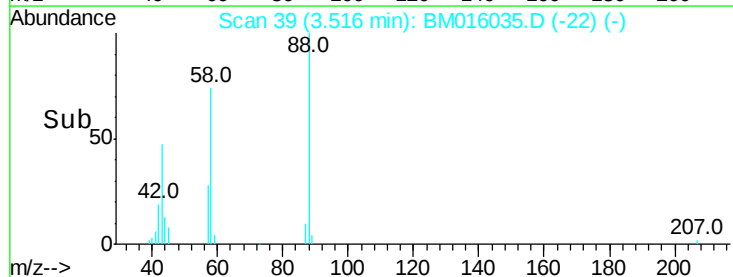
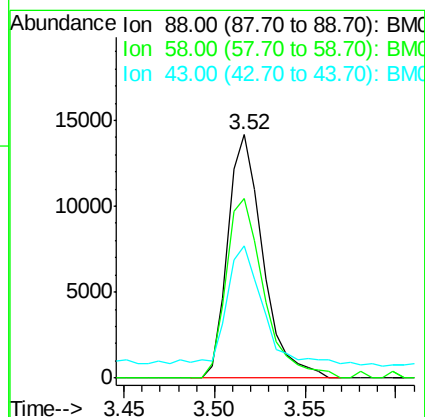
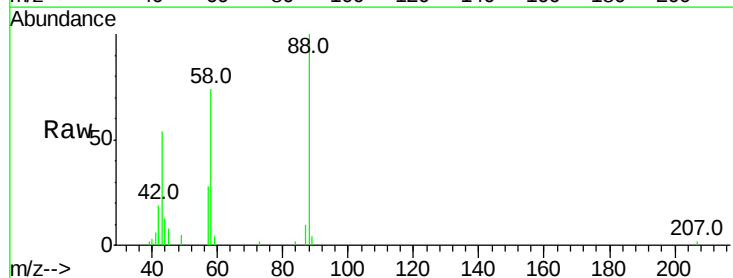
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

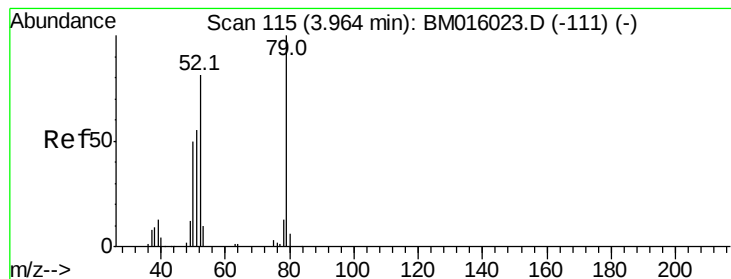
Tot Ion:152 Resp: 41298
 Ion Ratio Lower Upper
 152 100
 150 154.2 119.5 179.3
 115 66.6 43.0 64.4#



#2
 1,4-Dioxane
 Concen: 16.370 ng
 RT: 3.52 min Scan# 39
 Delta R.T. -0.00 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

Tgt Ion: 88 Resp: 19068
 Ion Ratio Lower Upper
 88 100
 58 79.9 0.0 0.0#
 43 53.7 0.0 0.0#





#3

Pvridine

Concen: 16.001 ng

RT: 3.97 min Scan# 116

Delta R.T. 0.01 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

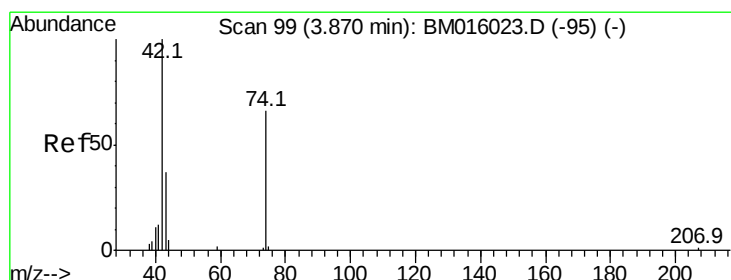
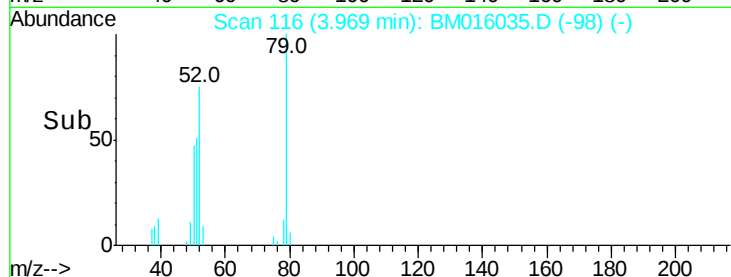
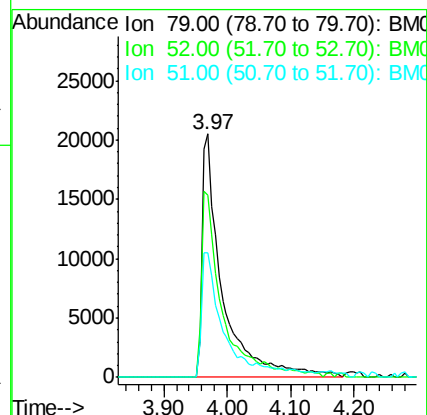
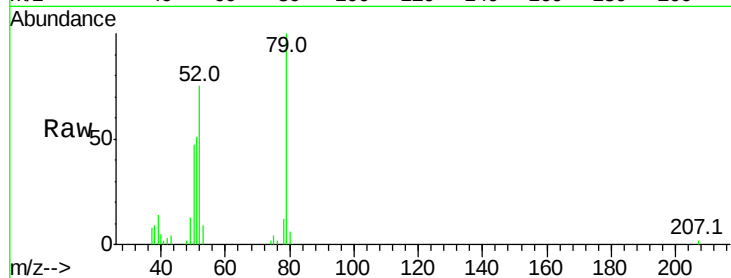
Tot Ion: 79 Resp: 44901

Ion Ratio Lower Upper

79 100

52 75.1 51.1 76.7

51 51.4 26.1 39.1#



#4

n-Nitrosodimethylamine

Concen: 18.379 ng

RT: 3.88 min Scan# 100

Delta R.T. 0.01 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

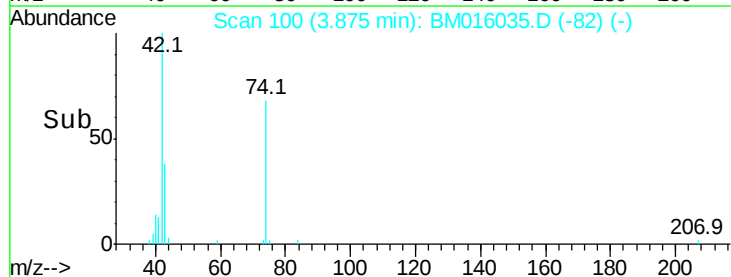
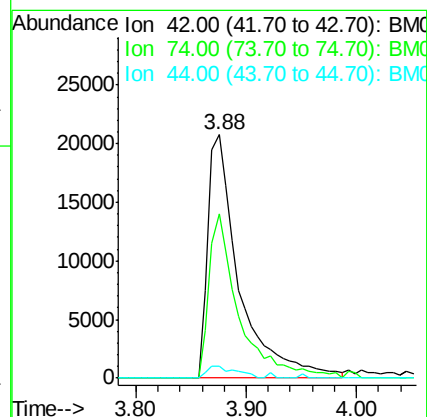
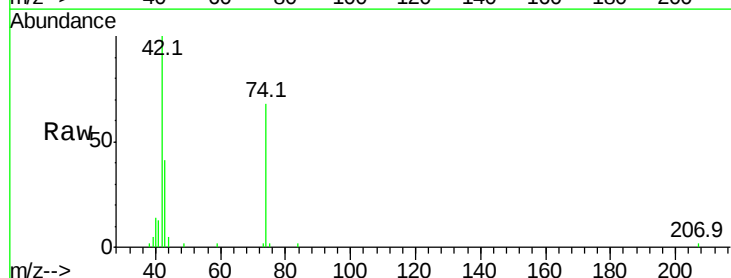
Tgt Ion: 42 Resp: 40226

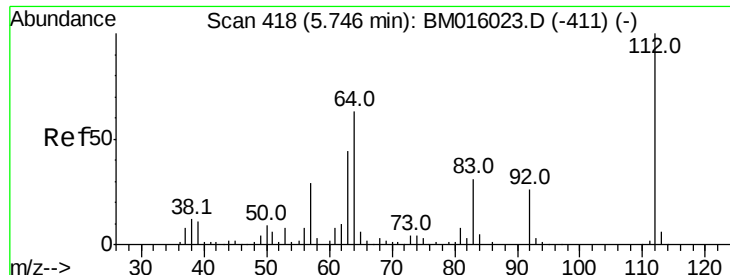
Ion Ratio Lower Upper

42 100

74 67.7 119.3 178.9#

44 4.8 5.4 8.2#





#5

2-Fluorophenol

Concen: 18.379 ng

RT: 5.74 min Scan# 417

Delta R.T. -0.01 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

Instrument :

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ClientSampleId :

LOQ-SOIL-02-QT3-2018

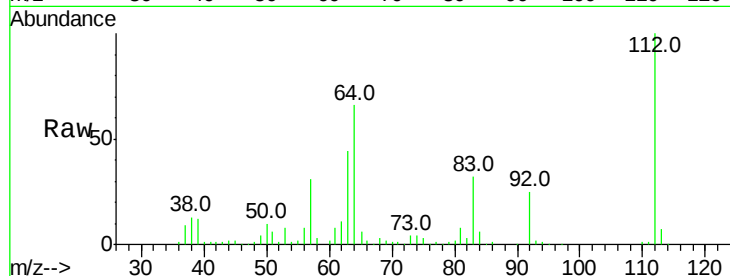
Tot Ion:112 Resp: 321452

Ion Ratio Lower Upper

112 100

64 65.6 38.6 57.8#

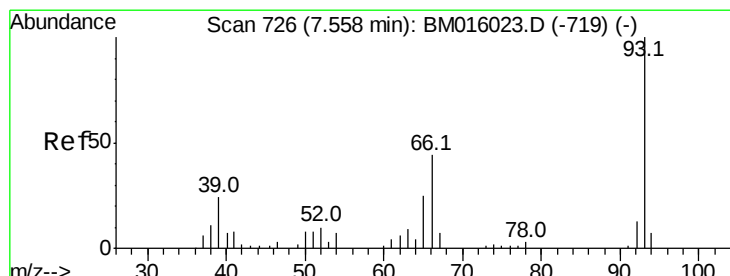
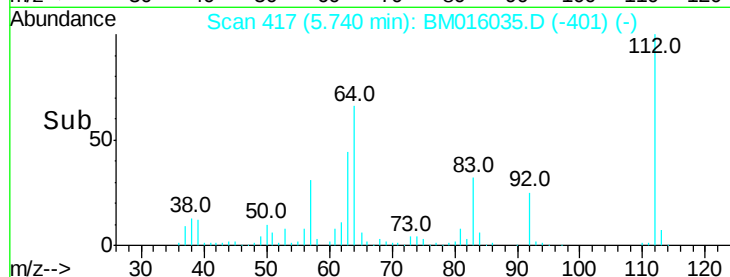
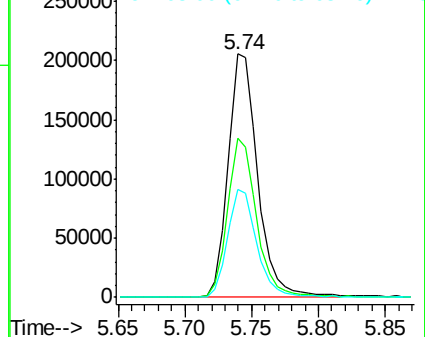
63 44.4 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#6

Aniline

Concen: 12.871 ng

RT: 7.56 min Scan# 726

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

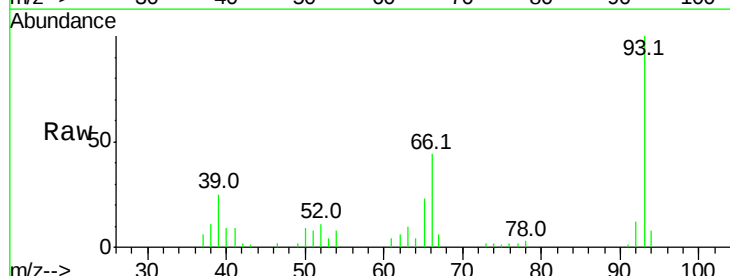
Tgt Ion: 93 Resp: 48117

Ion Ratio Lower Upper

93 100

66 43.8 30.8 46.2

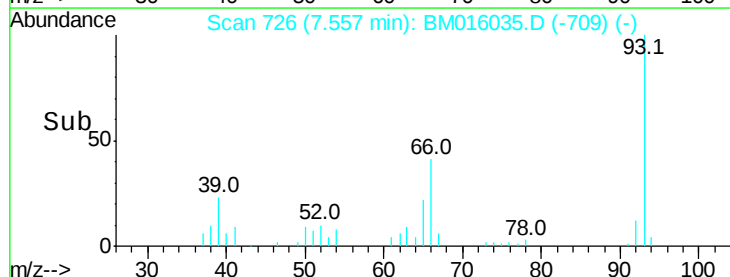
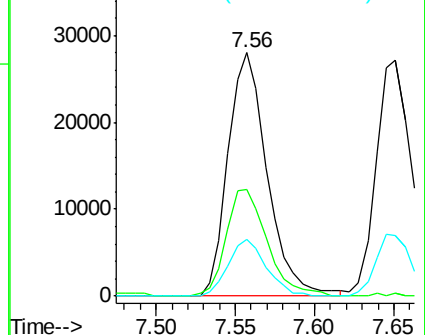
65 23.4 16.0 24.0

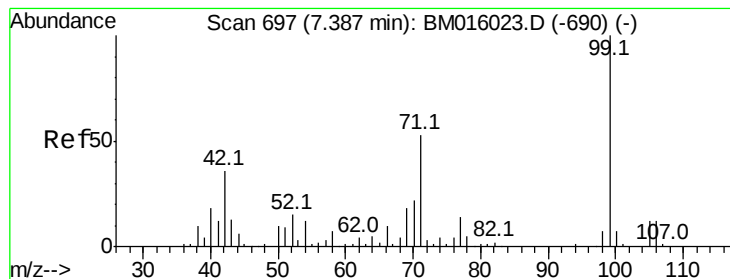


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 12.871 ng

RT: 7.39 min Scan# 697

Delta R.T. -0.00 min

Lab File: BM016035.D

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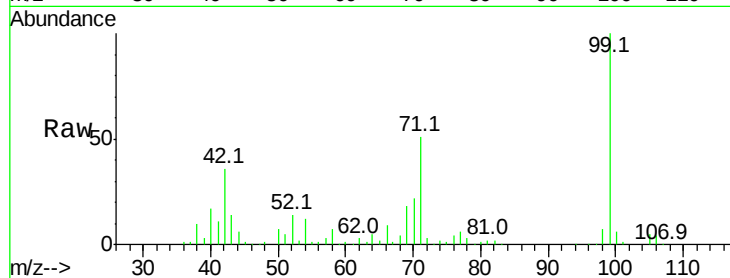
Tot Ion: 99 Resp: 398586

Ion Ratio Lower Upper

99 100

42 35.8 11.0 16.4#

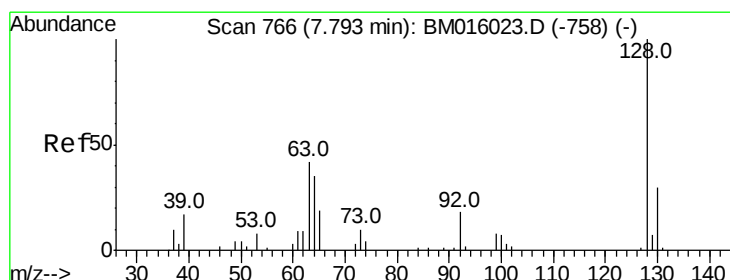
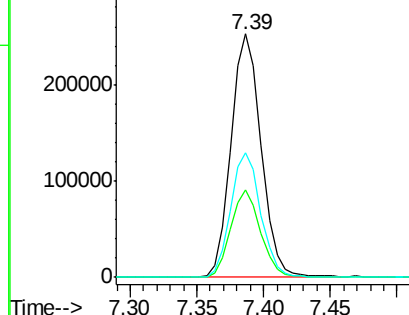
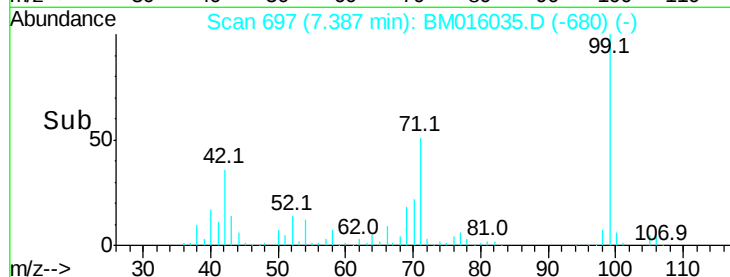
71 51.0 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016035.D (-680) (-)

Ion 42.00 (41.70 to 42.70): BM016035.D (-680) (-)

Ion 71.00 (70.70 to 71.70): BM016035.D (-680) (-)



#8

2-Chlorophenol

Concen: 17.935 ng

RT: 7.79 min Scan# 766

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

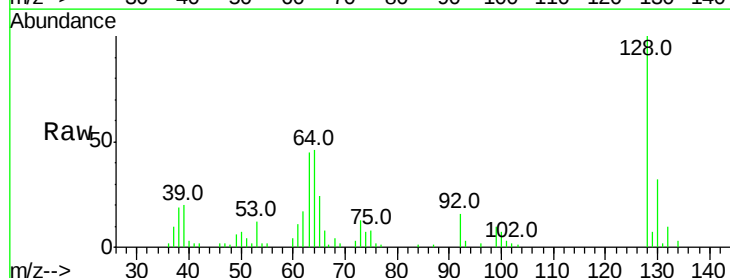
Tgt Ion: 128 Resp: 52995

Ion Ratio Lower Upper

128 100

130 31.9 12.0 52.0

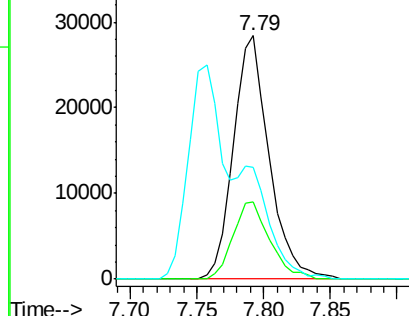
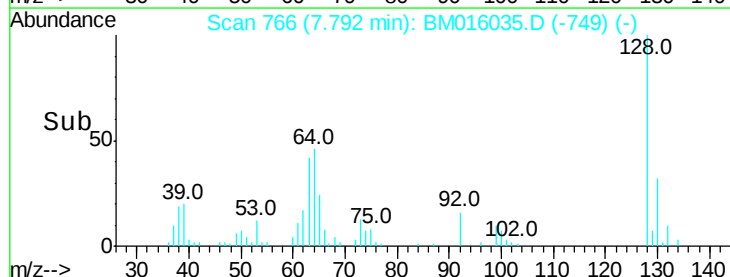
64 45.8 24.9 64.9

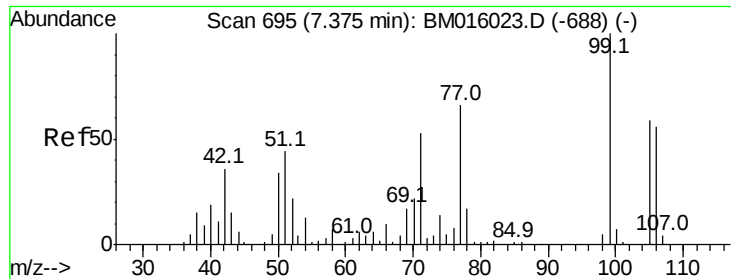


Abundance Ion 128.00 (127.70 to 128.70): BM016035.D (-749) (-)

Ion 130.00 (129.70 to 130.70): BM016035.D (-749) (-)

Ion 64.00 (63.70 to 64.70): BM016035.D (-749) (-)

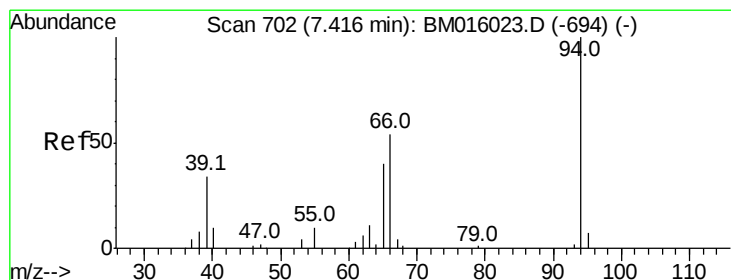
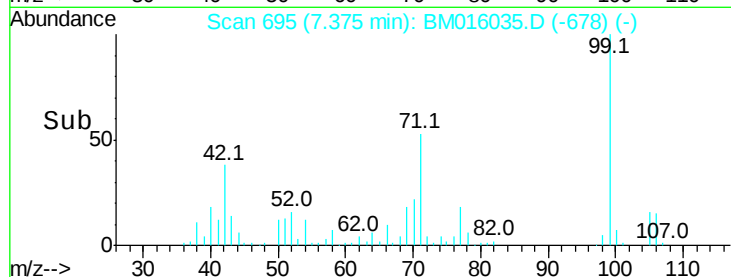
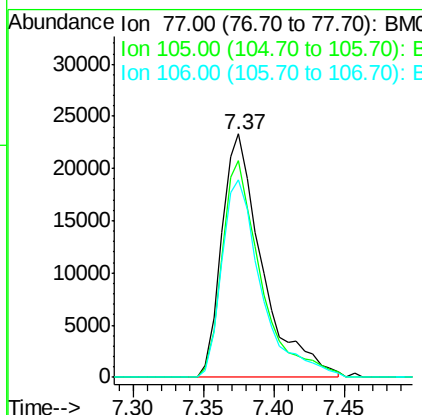
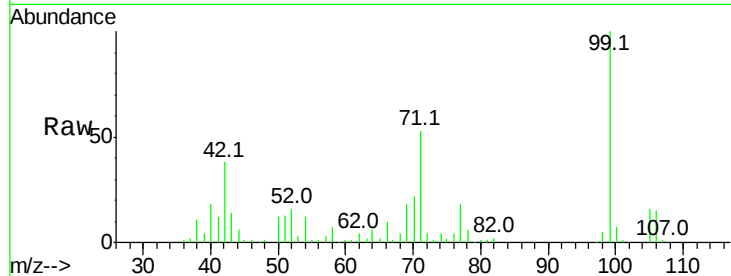




#9
Benzaldehyde
Concen: 20.508 ng
RT: 7.37 min Scan# 695
Delta R.T. -0.00 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

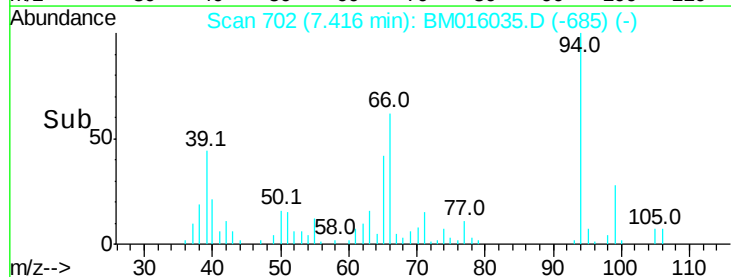
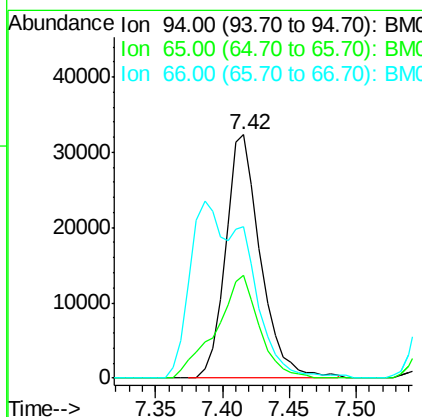
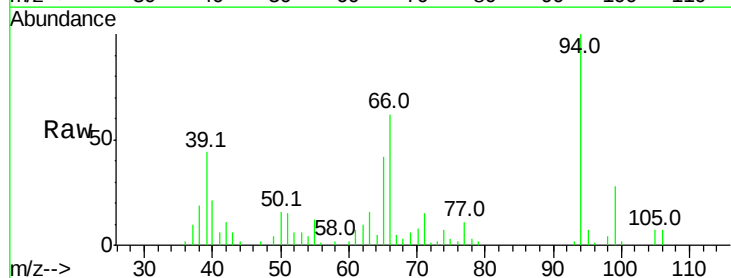
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

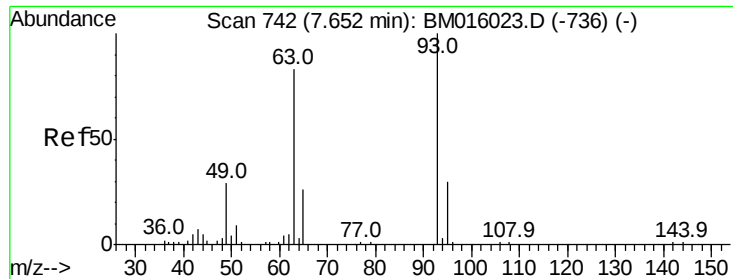
Tot Ion: 77 Resp: 46781
Ion Ratio Lower Upper
77 100
105 89.3 78.8 118.8
106 81.3 73.7 113.7



#10
Phenol
Concen: 18.120 ng
RT: 7.42 min Scan# 702
Delta R.T. -0.00 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

Tgt Ion: 94 Resp: 58826
Ion Ratio Lower Upper
94 100
65 42.2 18.8 58.8
66 62.3 39.9 79.9

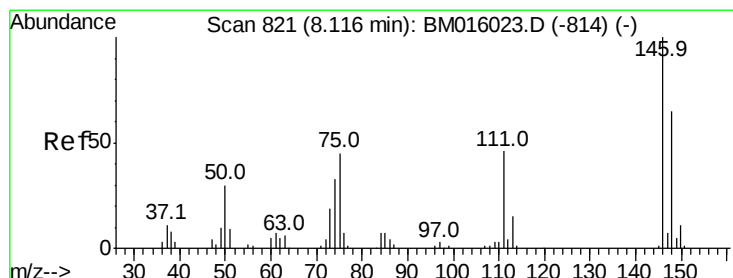
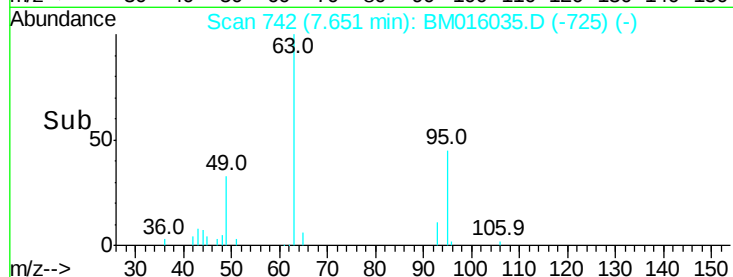
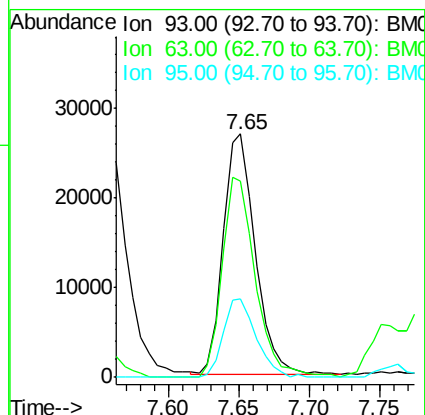
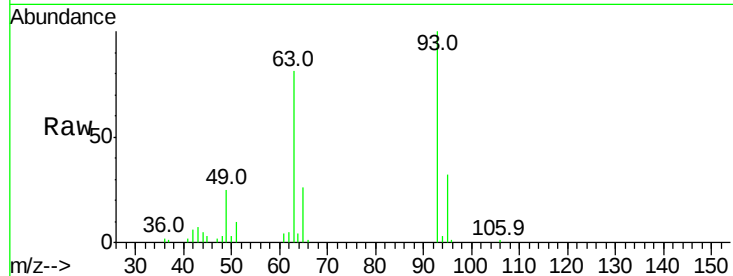




#11
bis(2-Chloroethyl)ether
Concen: 16.583 ng
RT: 7.65 min Scan# 742
Delta R.T. -0.00 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

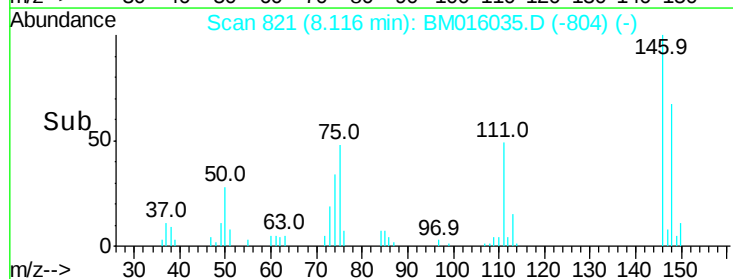
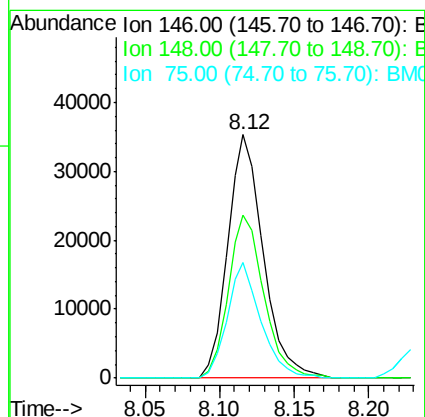
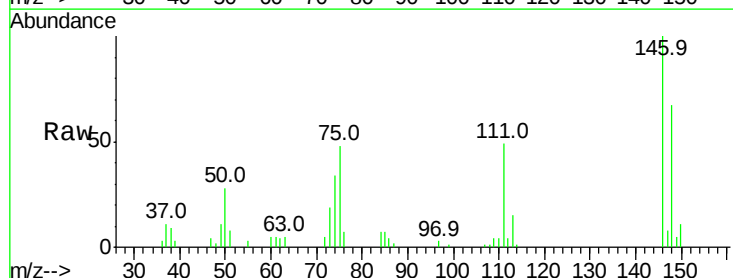
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

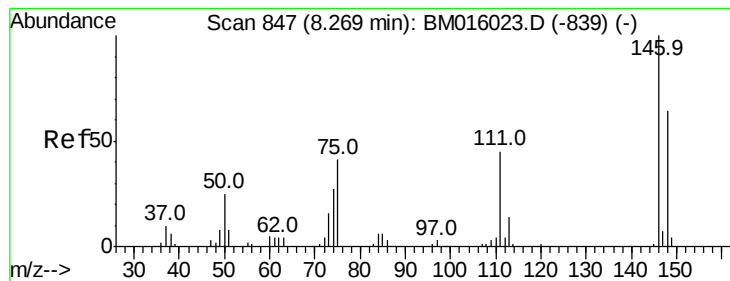
Tot Ion	Ratio	Lower	Upper
93	100		
63	80.7	49.5	89.5
95	32.3	13.5	53.5



#12
1,3-Dichlorobenzene
Concen: 16.986 ng
RT: 8.12 min Scan# 821
Delta R.T. -0.00 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

Tgt Ion	Ratio	Lower	Upper
146	100		
148	67.0	50.9	76.3
75	47.6	21.4	32.2





#13

1,4-Dichlorobenzene

Concen: 17.156 ng

RT: 8.27 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

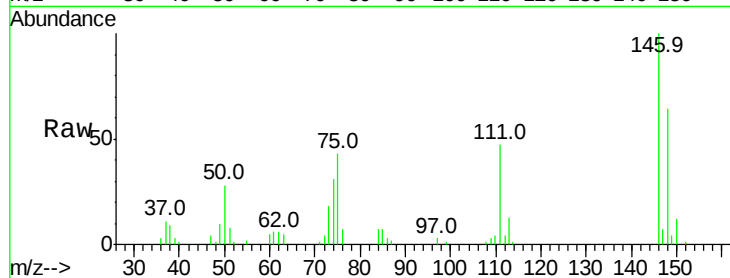
Tot Ion:146 Resp: 60178

Ion Ratio Lower Upper

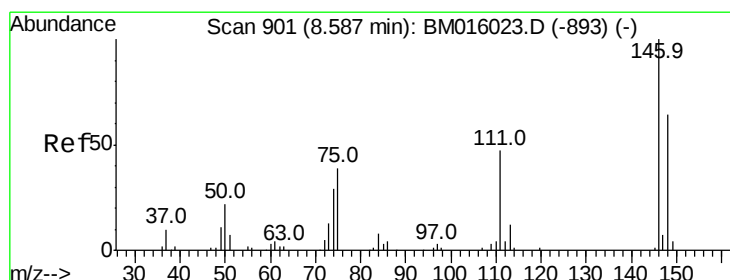
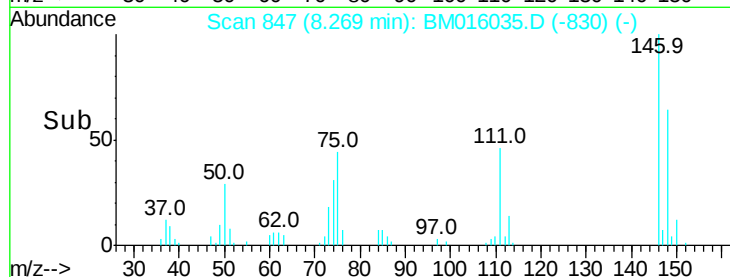
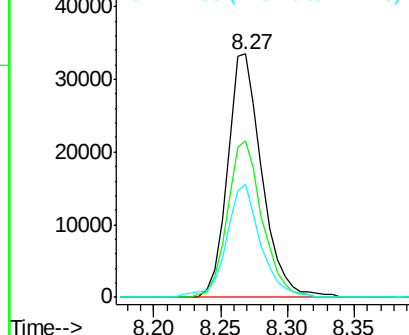
146 100

148 64.4 51.9 77.9

111 46.5 29.2 43.8#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 17.085 ng

RT: 8.59 min Scan# 901

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

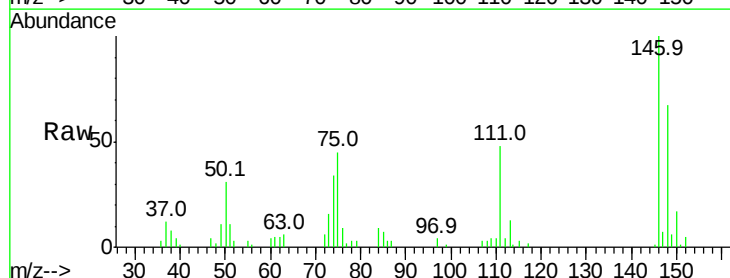
Tgt Ion:146 Resp: 58641

Ion Ratio Lower Upper

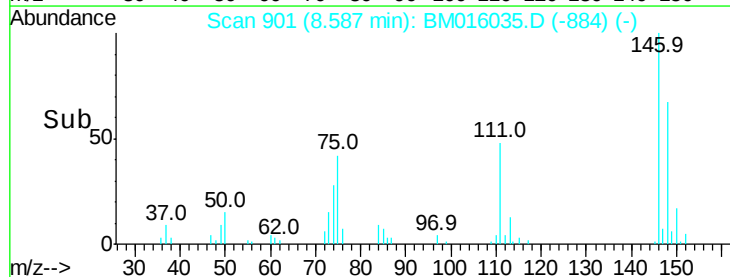
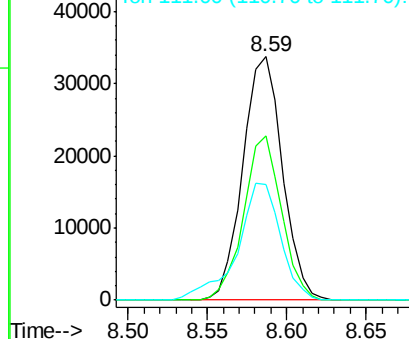
146 100

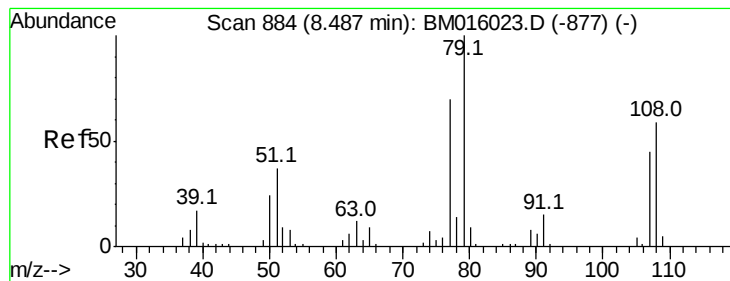
148 67.4 52.3 78.5

111 47.7 30.6 45.8#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 15.663 ng

RT: 8.49 min Scan# 884

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

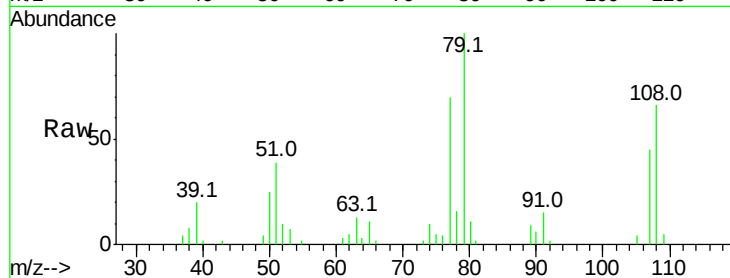
Tot Ion: 79 Resp: 40493

Ion Ratio Lower Upper

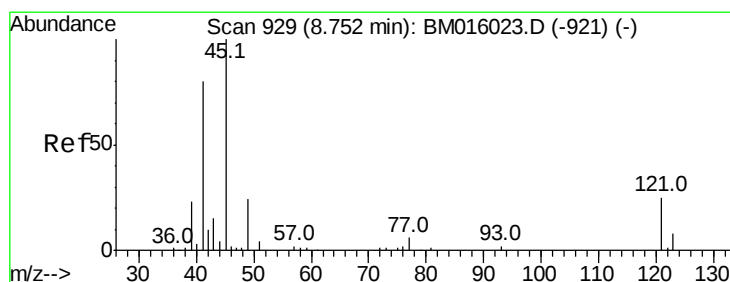
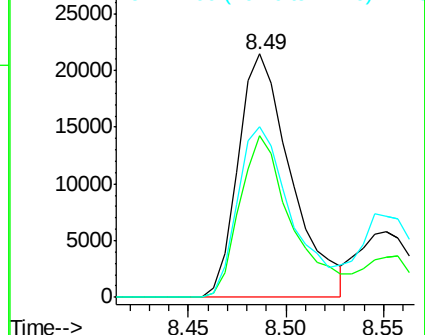
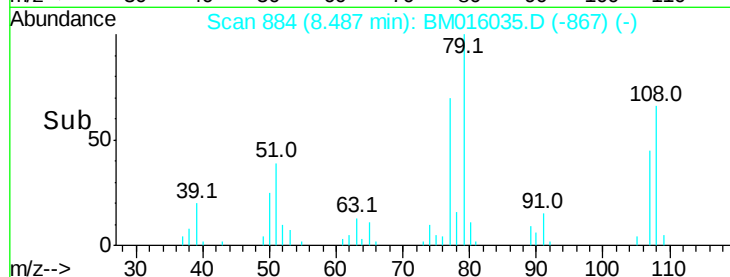
79 100

108 66.2 65.0 97.4

77 70.1 53.0 79.6



Abundance Ion 79.00 (78.70 to 79.70): BM016035.D (-867) (-)



#16

2,2'-oxybis(1-chloropropane)

Concen: 16.711 ng

RT: 8.75 min Scan# 929

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

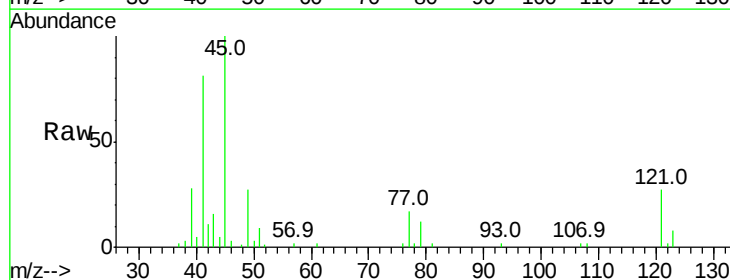
Tgt Ion: 45 Resp: 65596

Ion Ratio Lower Upper

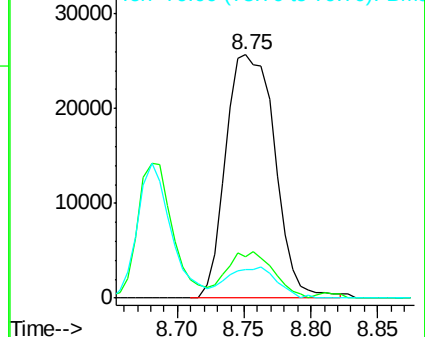
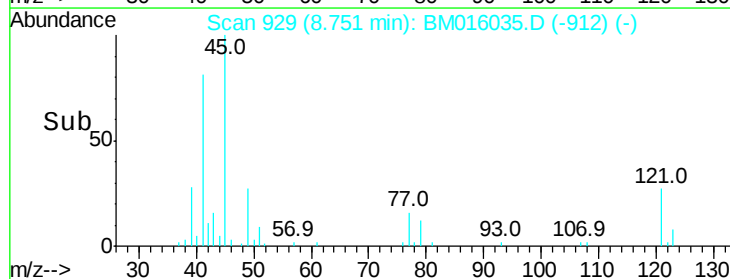
45 100

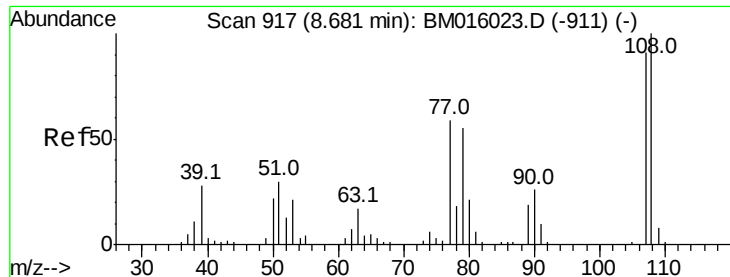
77 17.2 0.0 35.2

79 11.8 0.0 32.0



Abundance Ion 45.00 (44.70 to 45.70): BM016035.D (-912) (-)





#17

2-Methylphenol

Concen: 18.329 ng

RT: 8.68 min Scan# 917

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

Tot Ion:107 Resp: 40673

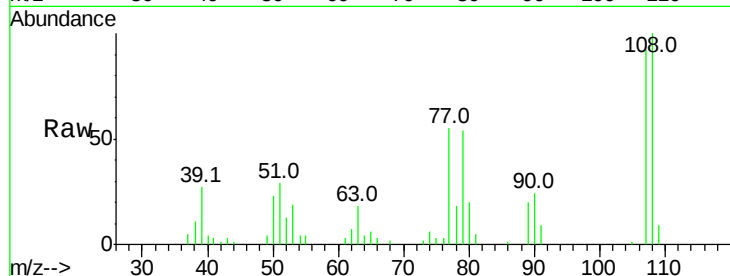
Ion Ratio Lower Upper

107 100

108 109.1 89.8 134.8

77 59.5 32.6 48.8#

79 59.2 32.8 49.2#

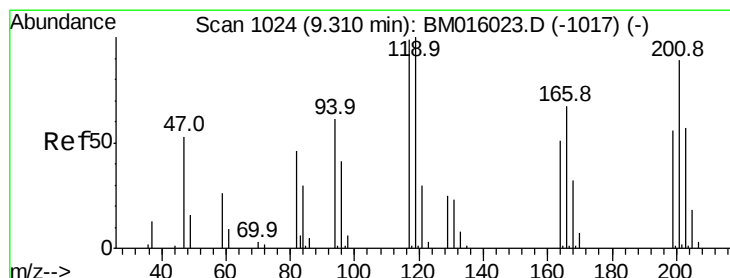
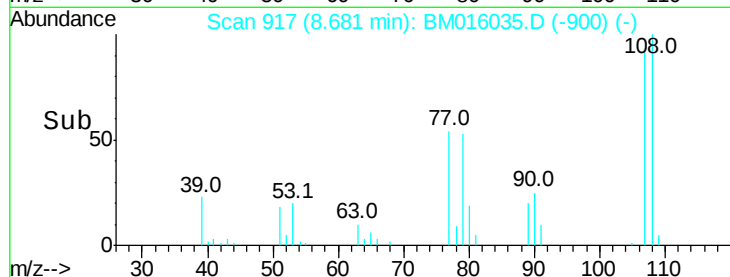
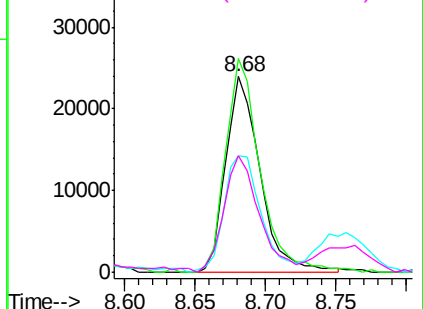


Abundance Ion 107.00 (106.70 to 107.70): E

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: 17.173 ng

RT: 9.31 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

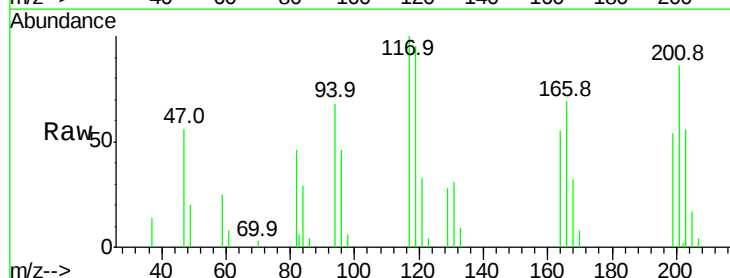
Tgt Ion:117 Resp: 26039

Ion Ratio Lower Upper

117 100

119 94.8 79.2 118.8

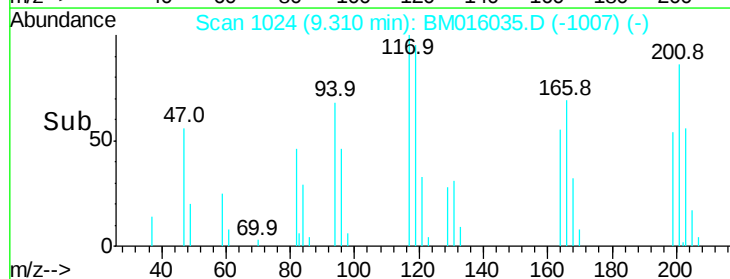
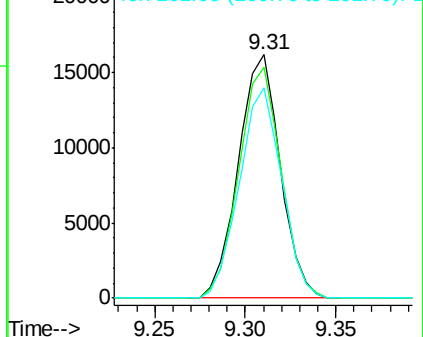
201 86.4 69.8 104.6

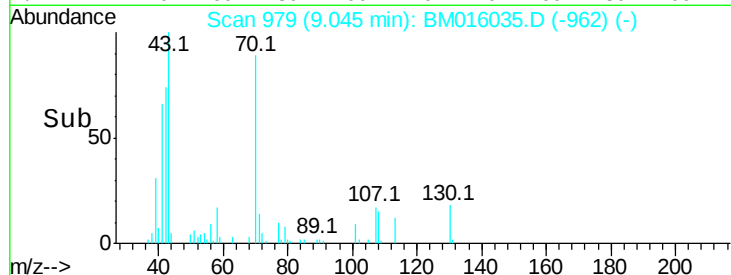
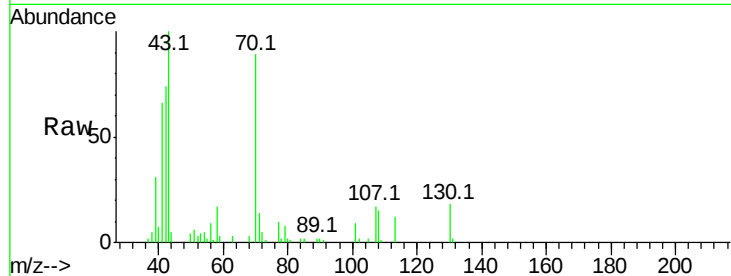
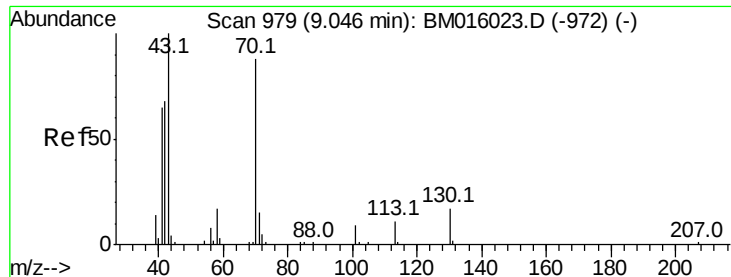


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

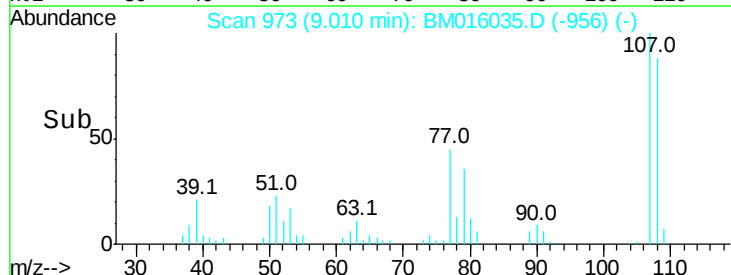
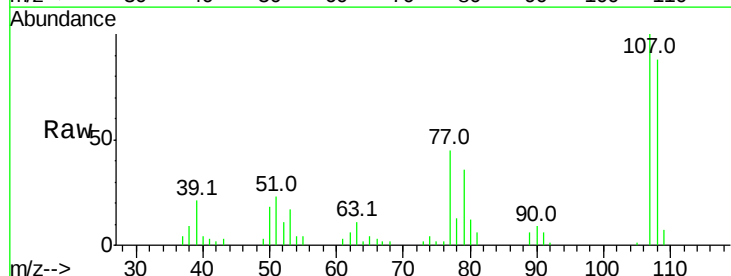
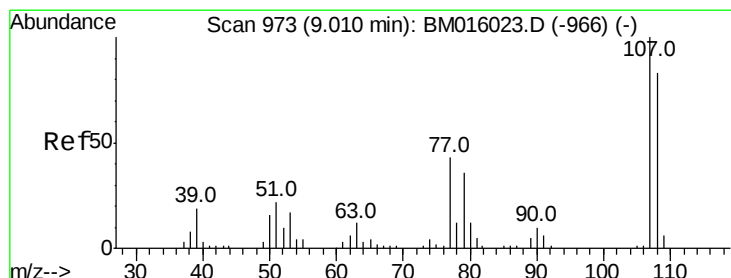
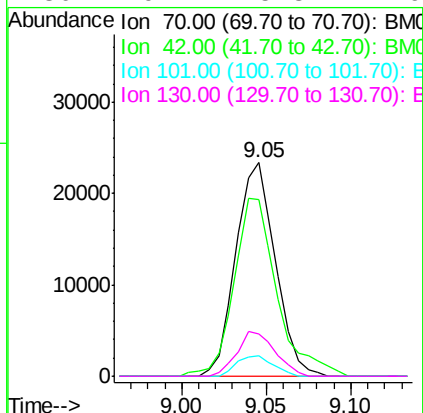




#19
n-Nitroso-di-n-propylamine
Concen: 16.029 ng
RT: 9.05 min Scan# 979
Delta R.T. -0.00 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

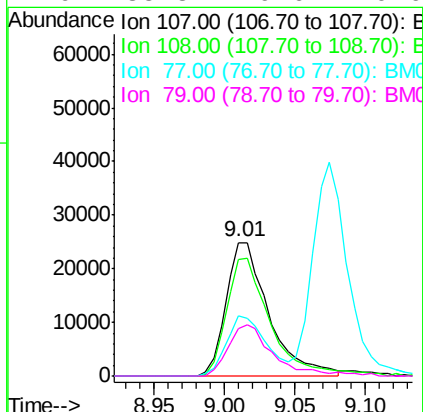
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:	70	Resp:	38039
Ion	Ratio	Lower	Upper
70	100		
42	82.6	44.5	66.7#
101	9.6	7.4	11.2
130	19.7	15.3	22.9



#20
3+4-Methylphenols
Concen: 16.460 ng
RT: 9.01 min Scan# 973
Delta R.T. -0.00 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

Tgt Ion:	107	Resp:	52552
Ion	Ratio	Lower	Upper
107	100		
108	87.5	73.2	113.2
77	44.8	10.7	50.7
79	35.8	9.6	49.6

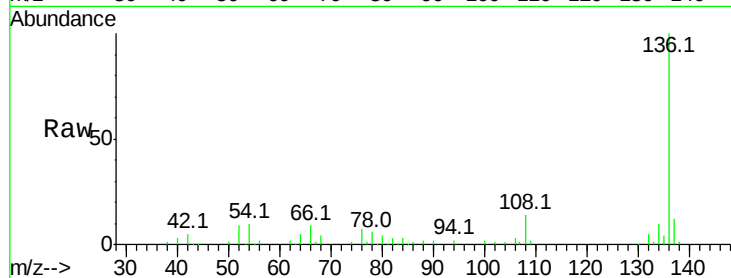




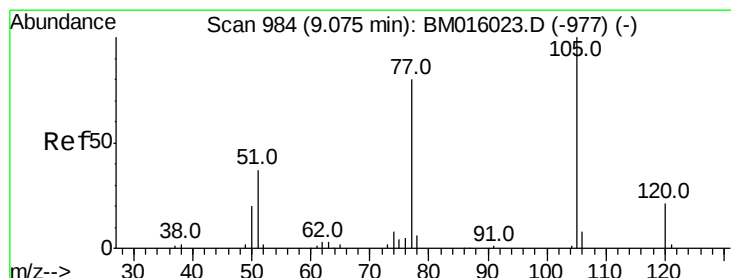
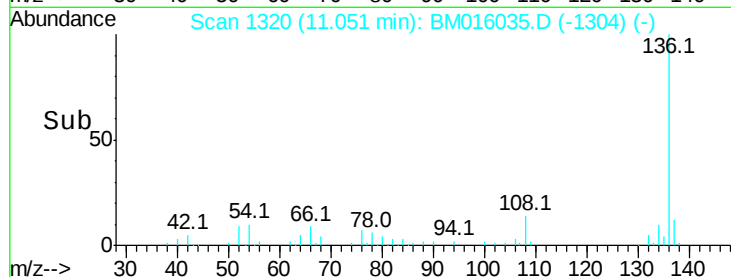
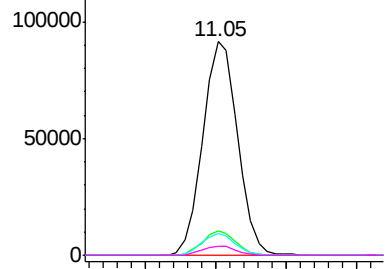
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.05 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:	136	Resp:	157206
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.7	13.1
54	9.9	4.6	6.8#
68	4.3	3.7	5.5



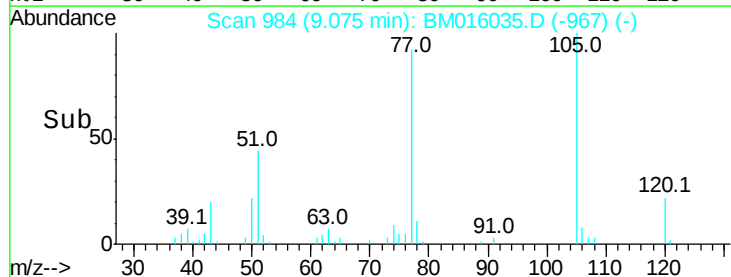
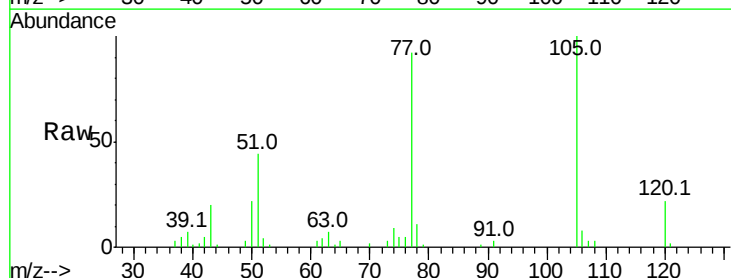
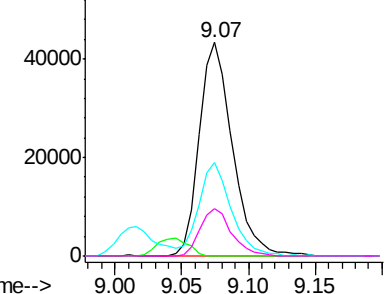
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM0
Ion 68.00 (67.70 to 68.70): BM0

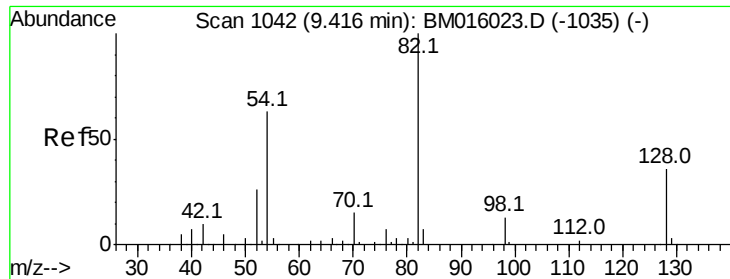


#22
Acetophenone
Concen: 19.043 ng
RT: 9.07 min Scan# 984
Delta R.T. -0.00 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

Tgt Ion:	105	Resp:	75379
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.6	1.0#
51	43.6	21.6	32.4#
120	22.0	16.1	24.1

Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BM0
Ion 51.00 (50.70 to 51.70): BM0
Ion 120.00 (119.70 to 120.70): E

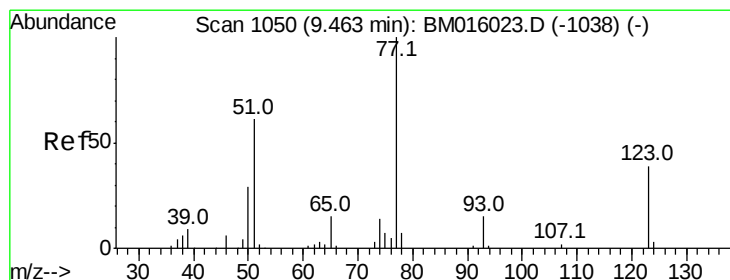
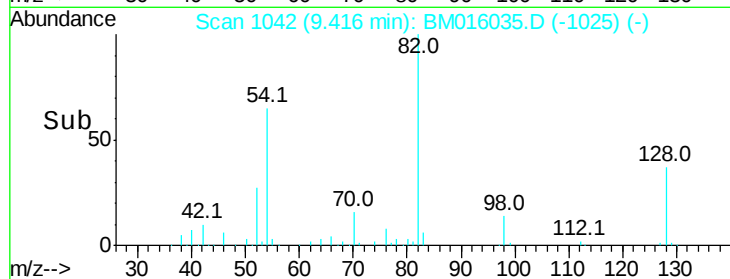
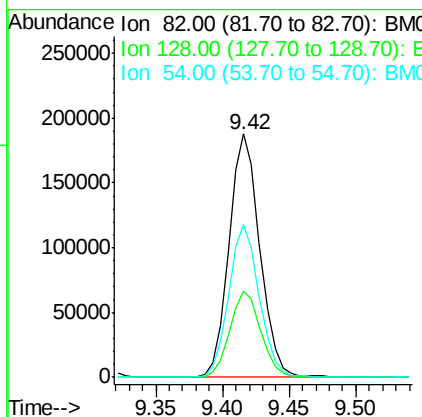
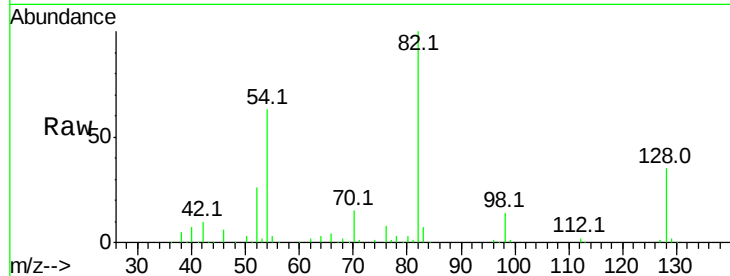




#23
Nitrobenzene-d5
Concen: 19.043 ng
RT: 9.42 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

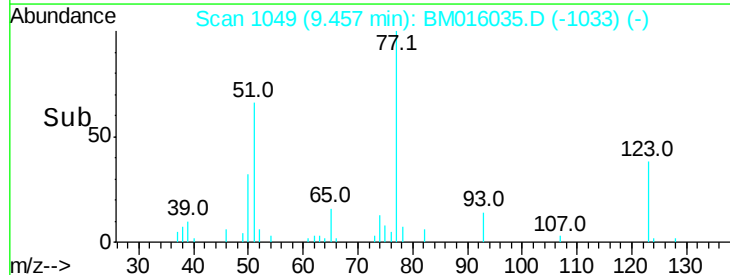
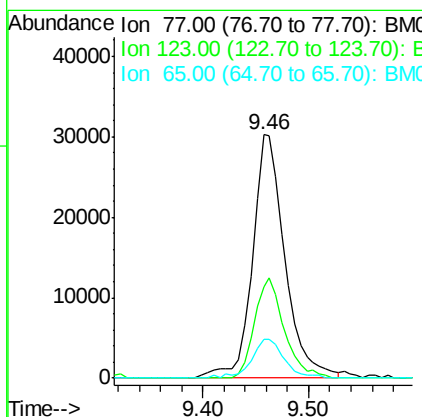
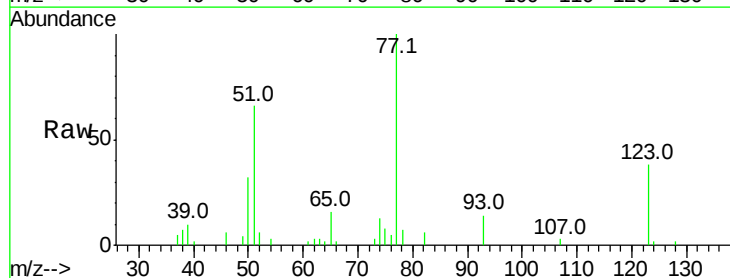
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

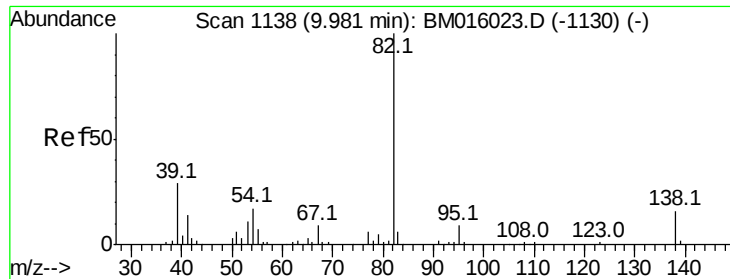
Tot Ion: 82 Resp: 302101
Ion Ratio Lower Upper
82 100
128 35.3 32.8 49.2
54 62.8 40.6 60.8#



#24
Nitrobenzene
Concen: 19.088 ng
RT: 9.46 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

Tgt Ion: 77 Resp: 64942
Ion Ratio Lower Upper
77 100
123 37.5 32.6 49.0
65 16.0 10.9 16.3





#25

Isophorone

Concen: 20.522 ng

RT: 9.98 min Scan# 1138

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

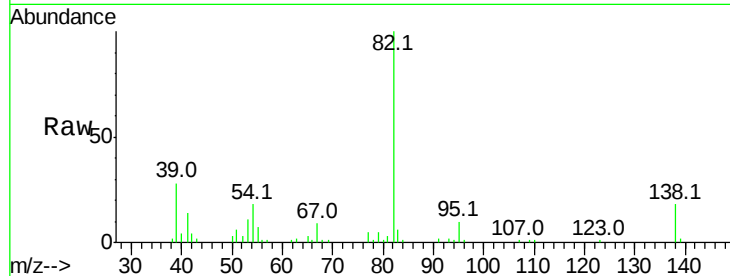
Tot Ion: 82 Resp: 94880

Ion Ratio Lower Upper

82 100

95 9.6 5.8 8.6#

138 17.6 16.3 24.5

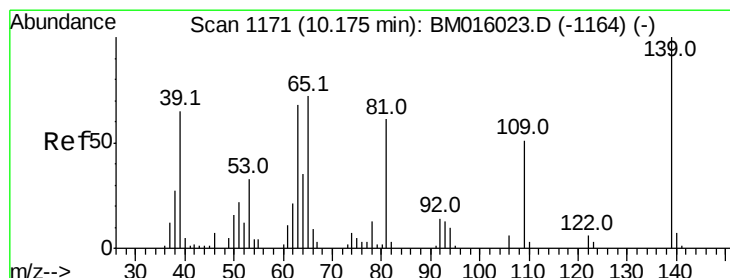
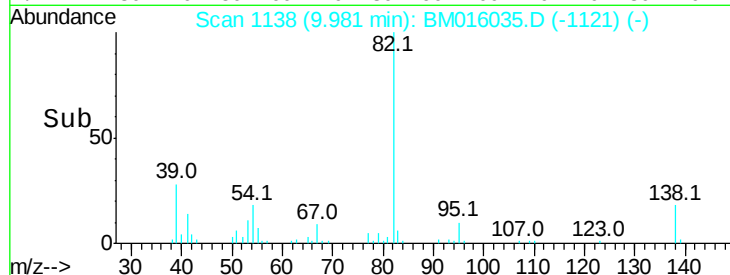
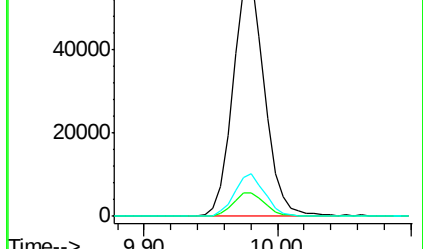


Abundance Ion 82.00 (81.70 to 82.70): BM016023.D (-1130) (-)

Ion 95.00 (94.70 to 95.70): BM016023.D (-1130) (-)

Ion 138.00 (137.70 to 138.70): BM016023.D (-1130) (-)

Time-->



#26

2-Nitrophenol

Concen: 16.740 ng

RT: 10.17 min Scan# 1171

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

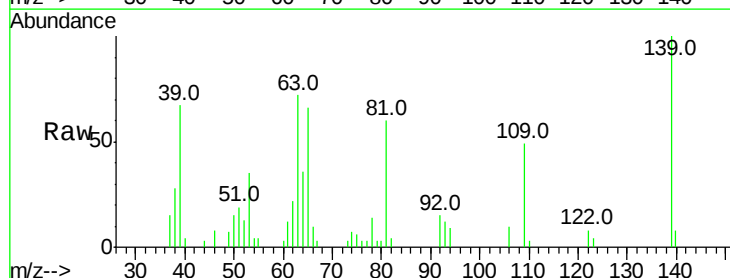
Tgt Ion:139 Resp: 23774

Ion Ratio Lower Upper

139 100

109 48.5 20.1 30.1#

65 65.7 31.5 47.3#

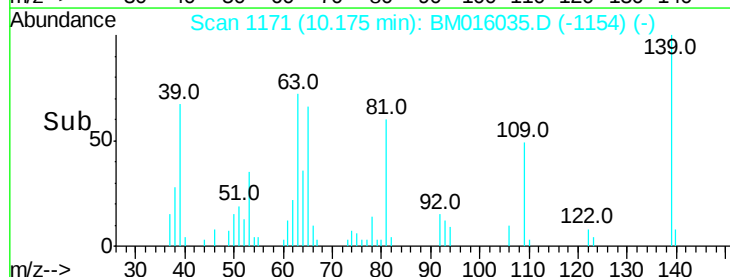
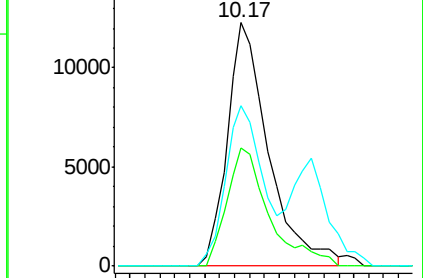


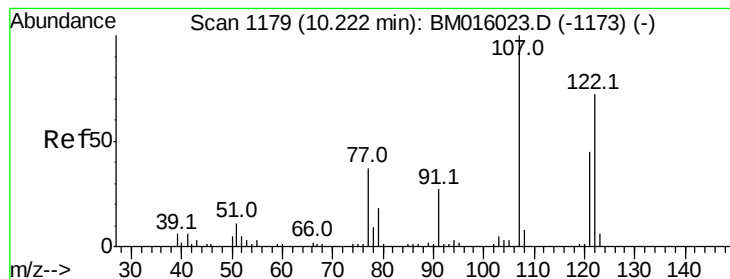
Abundance Ion 139.00 (138.70 to 139.70): BM016023.D (-1164) (-)

Ion 109.00 (108.70 to 109.70): BM016023.D (-1164) (-)

Ion 65.00 (64.70 to 65.70): BM016023.D (-1164) (-)

Time-->





#27

2,4-Dimethylphenol

Concen: 21.147 ng

RT: 10.22 min Scan# 1179

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

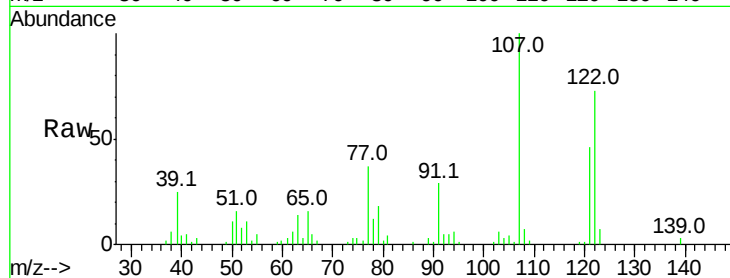
Tot Ion:122 Resp: 41842

Ion Ratio Lower Upper

122 100

107 137.0 84.7 127.1#

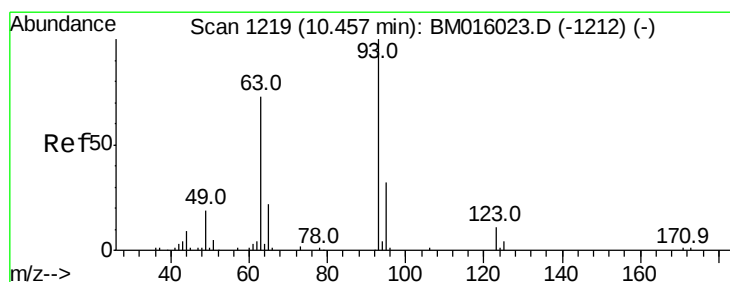
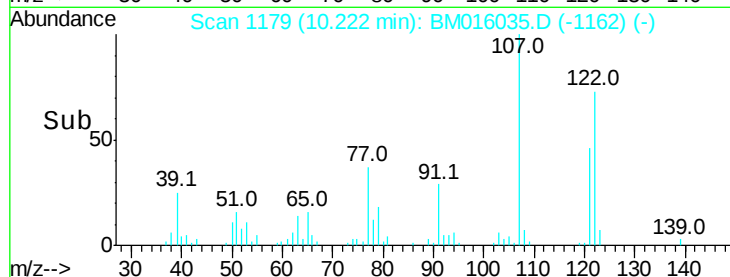
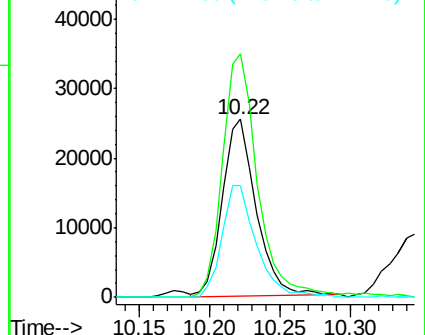
121 62.8 46.6 69.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 19.629 ng

RT: 10.46 min Scan# 1219

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

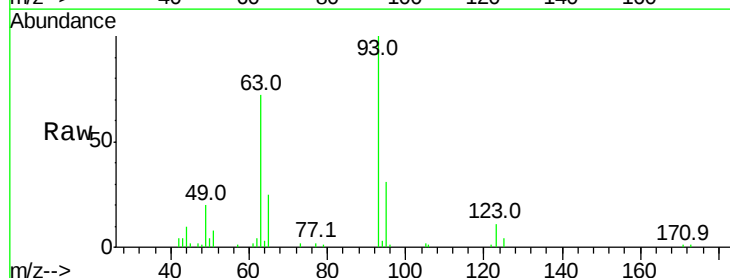
Tgt Ion: 93 Resp: 58982

Ion Ratio Lower Upper

93 100

95 31.3 25.5 38.3

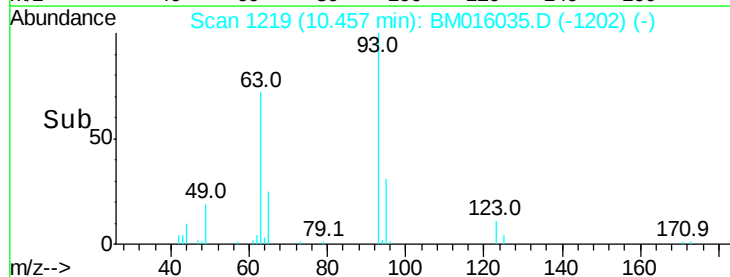
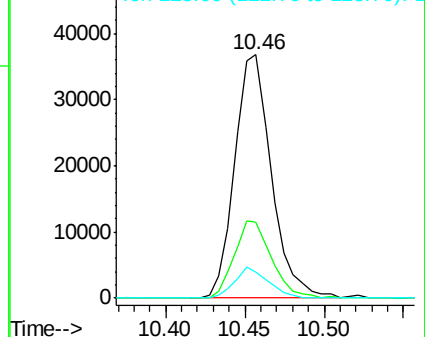
123 10.7 8.6 13.0

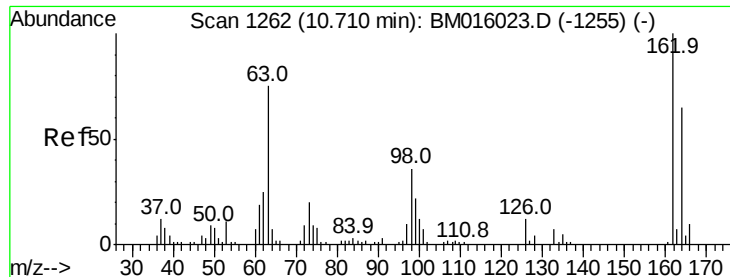


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E

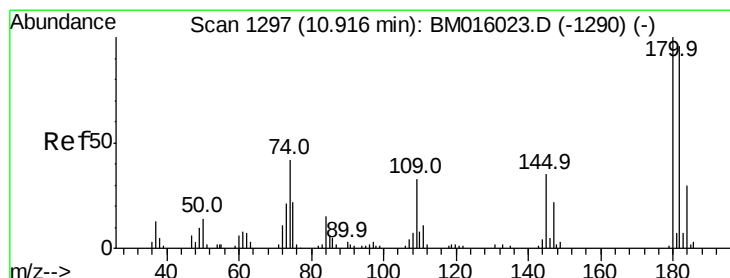
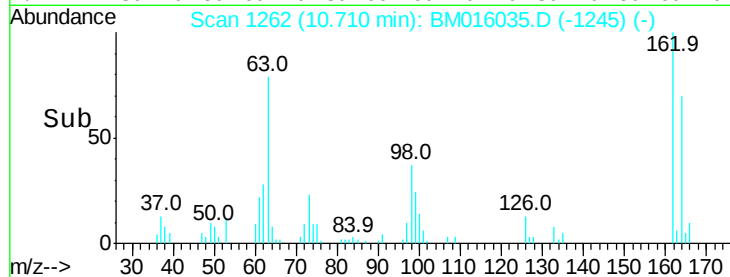
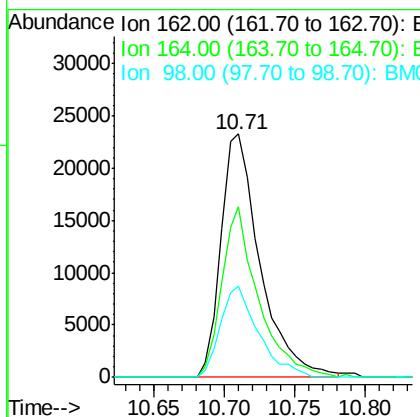
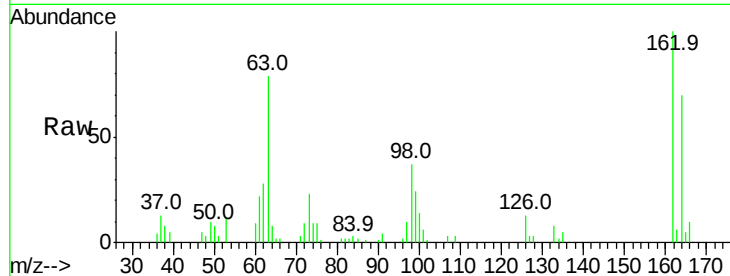




#29
 2,4-Dichlorophenol
 Concen: 19.134 ng
 RT: 10.71 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

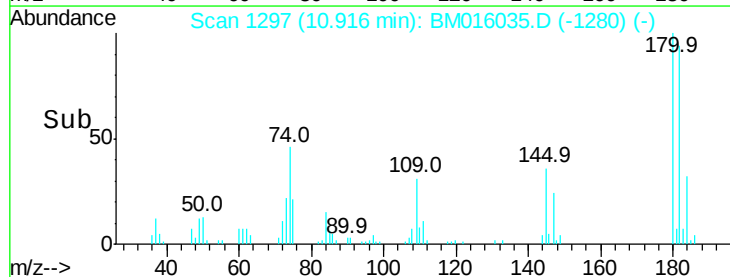
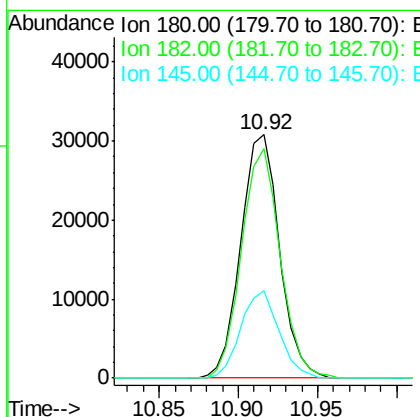
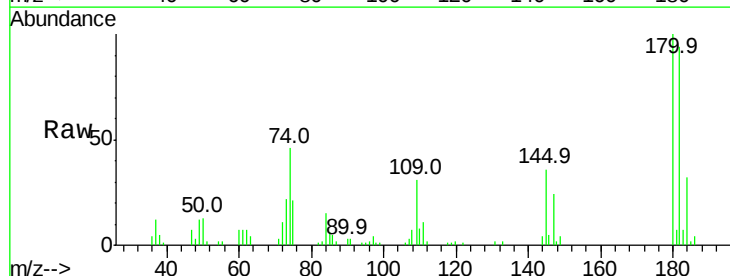
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

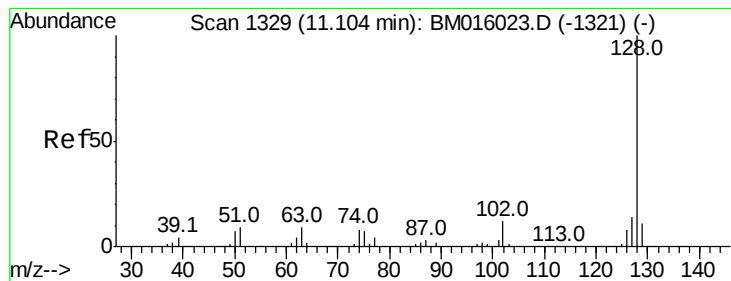
Tot Ion:162 Resp: 44988
 Ion Ratio Lower Upper
 162 100
 164 70.4 42.8 82.8
 98 37.5 14.5 54.5



#30
 1,2,4-Trichlorobenzene
 Concen: 18.337 ng
 RT: 10.92 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

Tgt Ion:180 Resp: 52384
 Ion Ratio Lower Upper
 180 100
 182 94.3 77.6 116.4
 145 36.0 23.4 35.2#





#31

Naphthalene

Concen: 20.058 ng

RT: 11.10 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

Instrument :

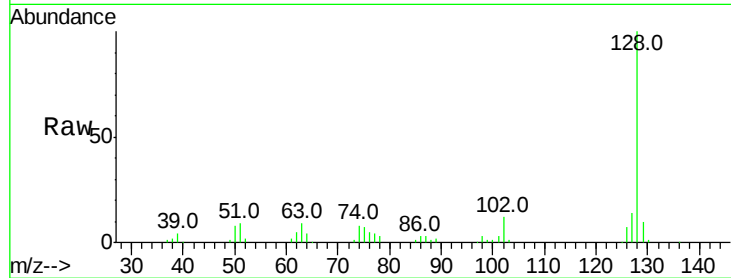
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

Tot Ion:128 Resp: 159587

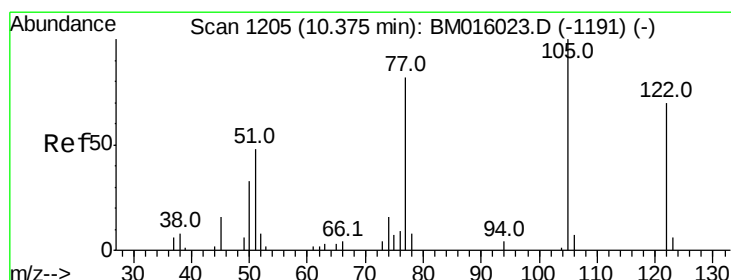
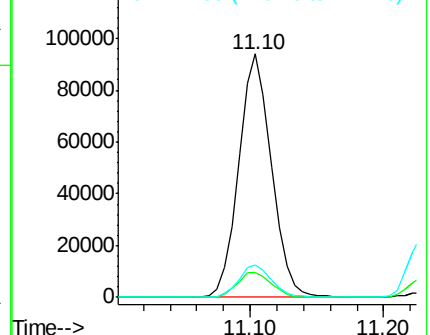
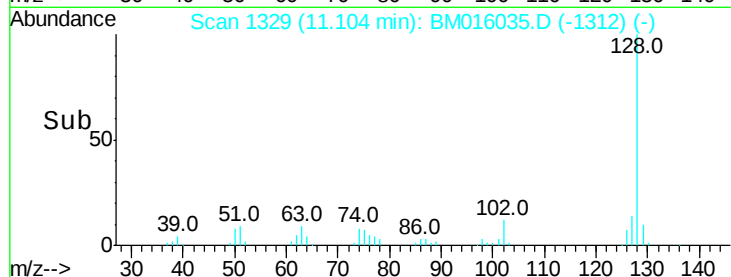
Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.9	13.3
127	13.5	10.4	15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 16.592 ng

RT: 10.35 min Scan# 1200

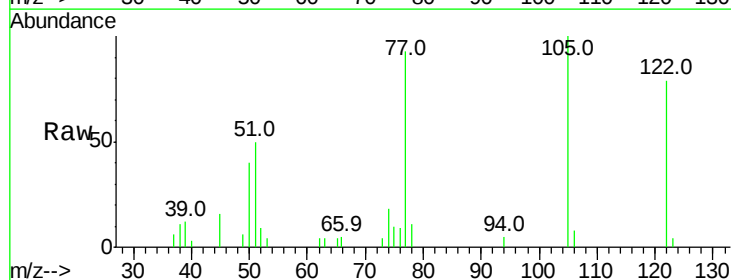
Delta R.T. -0.03 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

Tgt Ion:122 Resp: 25026

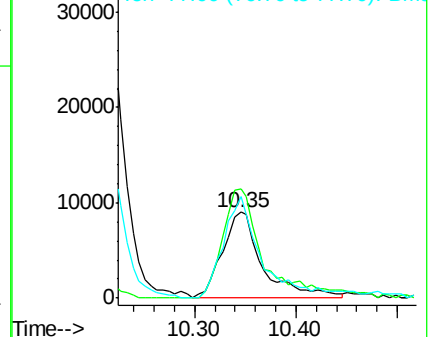
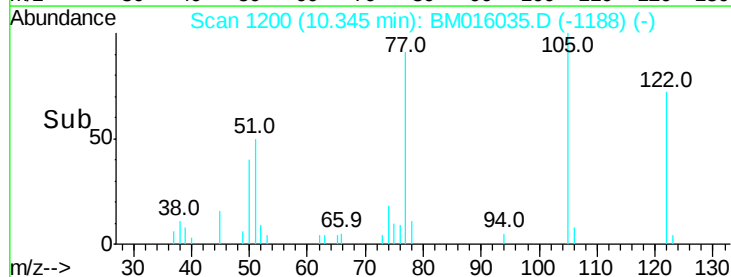
Ion	Ratio	Lower	Upper
122	100		
105	127.3	99.9	139.9
77	118.7	73.7	113.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

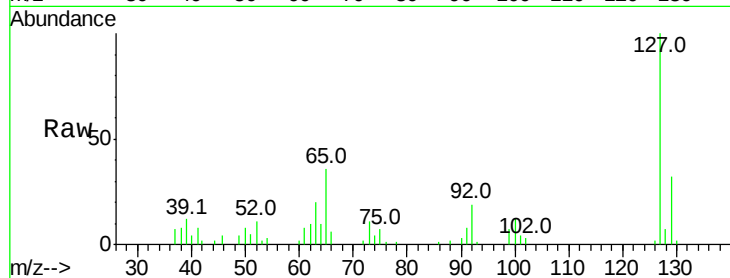




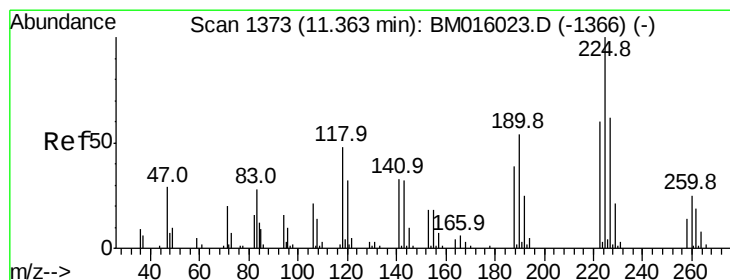
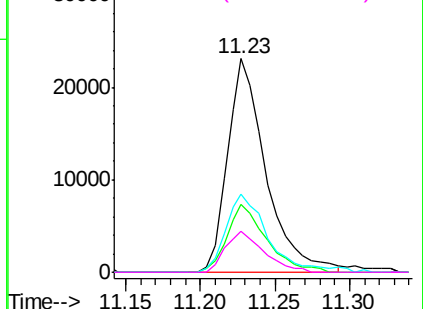
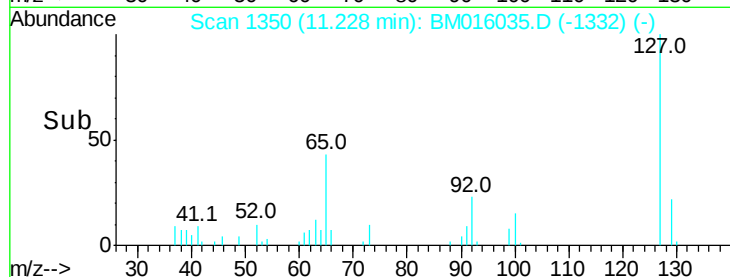
#33
4-Chloroaniline
Concen: 12.812 ng
RT: 11.23 min Scan# 1350
Delta R.T. 0.01 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:	127	Resp:	41597
Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.3	37.9
65	36.3	17.6	26.4
92	19.3	13.1	19.7

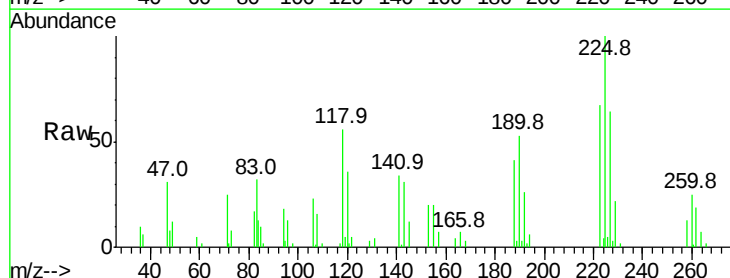


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM
Ion 92.00 (91.70 to 92.70): BM

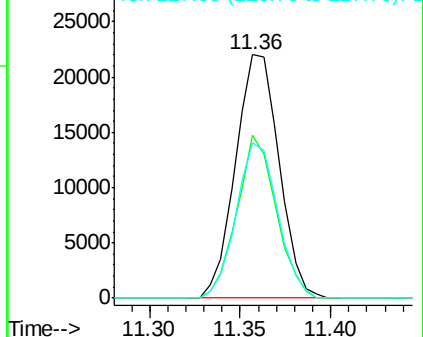
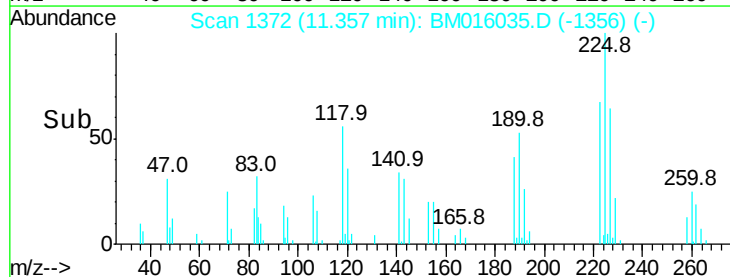


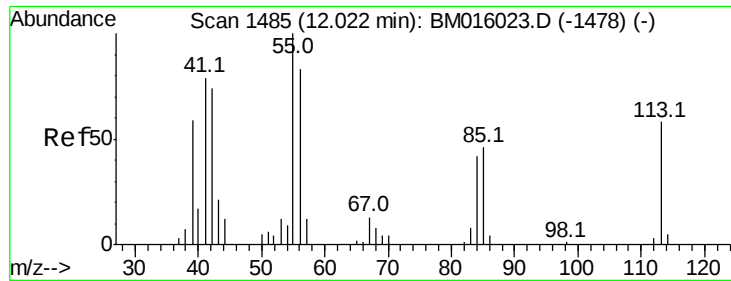
#34
Hexachlorobutadiene
Concen: 18.560 ng
RT: 11.36 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

Tgt Ion:	225	Resp:	36779
Ion	Ratio	Lower	Upper
225	100		
223	64.1	47.9	71.9
227	64.2	50.1	75.1



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: 15.367 ng

RT: 12.02 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

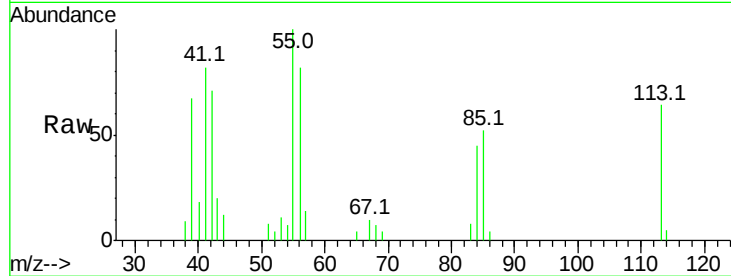
Tot Ion:113 Resp: 10007

Ion Ratio Lower Upper

113 100

55 156.6 145.9 185.9

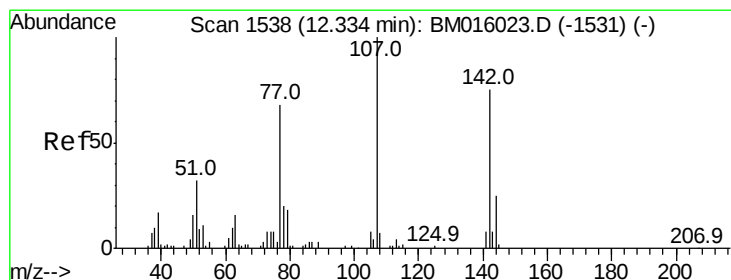
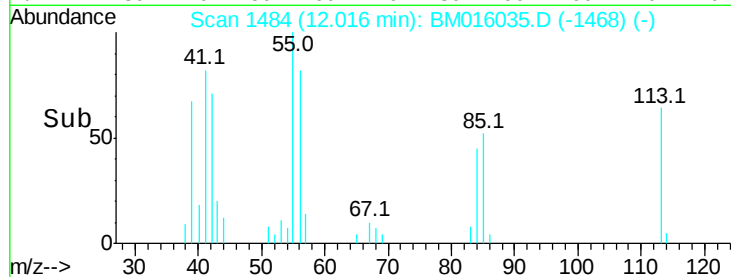
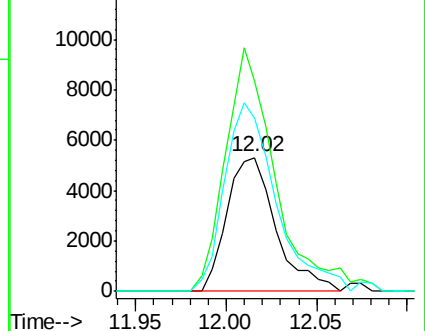
56 128.8 101.0 141.0



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: 18.497 ng

RT: 12.33 min Scan# 1538

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

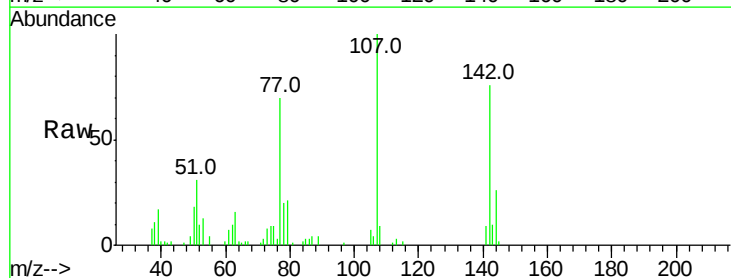
Tgt Ion:107 Resp: 47834

Ion Ratio Lower Upper

107 100

144 25.8 23.3 34.9

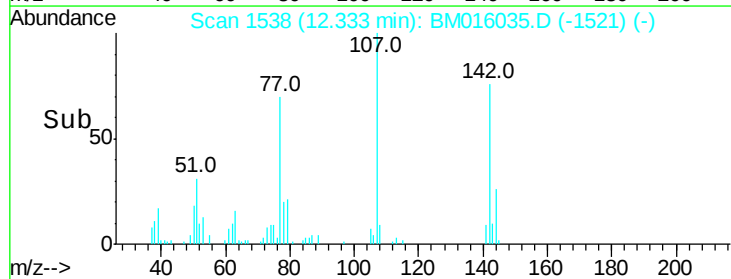
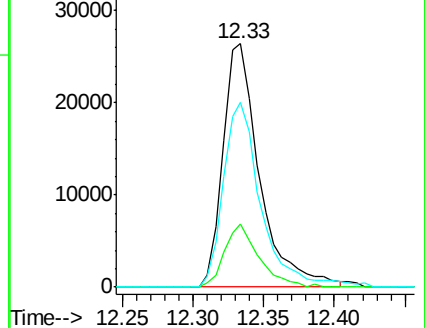
142 75.8 72.6 109.0

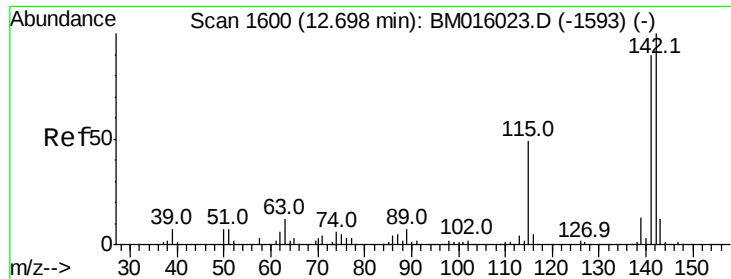


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

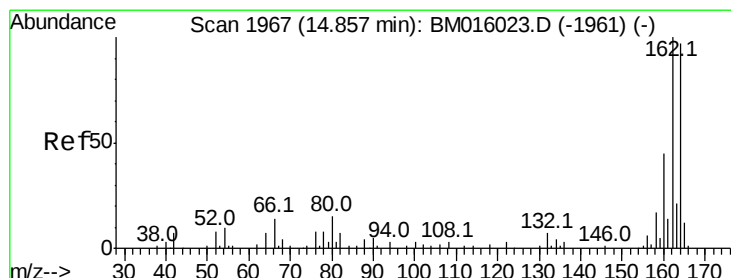
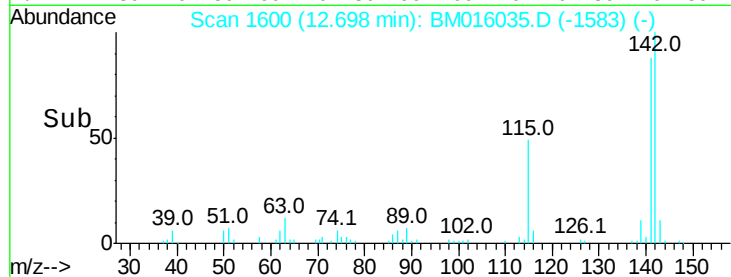
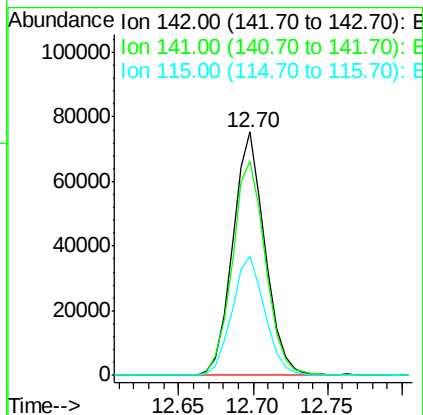
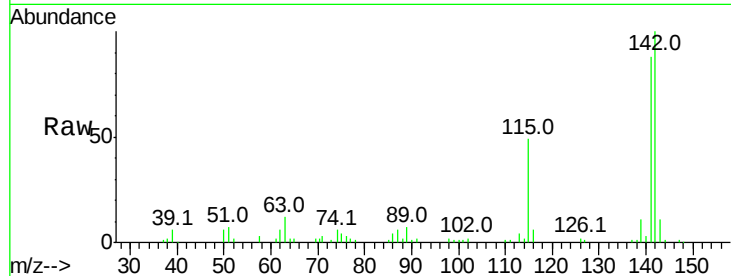




#37
 2-Methylnaphthalene
 Concen: 21.202 ng
 RT: 12.70 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

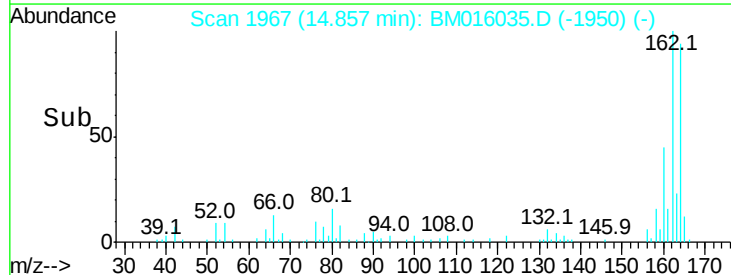
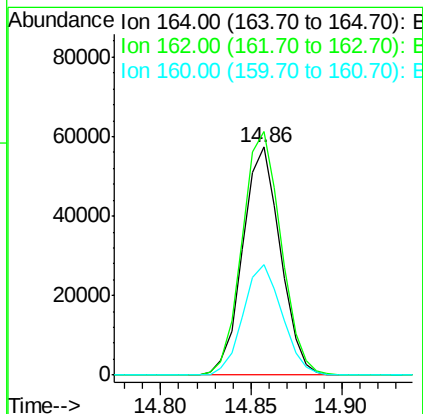
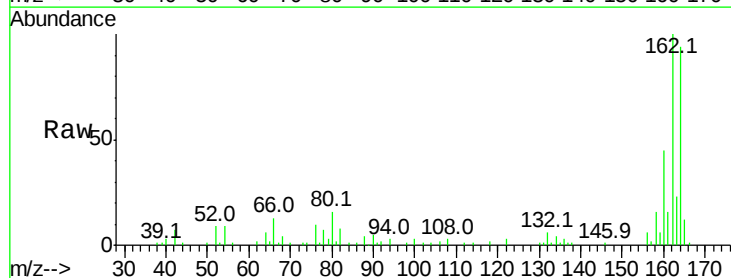
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

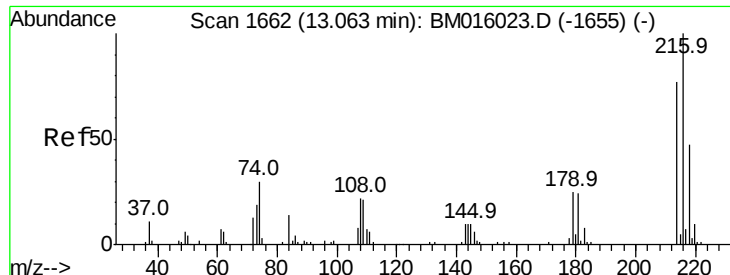
Tot Ion:142 Resp: 113003
 Ion Ratio Lower Upper
 142 100
 141 87.8 71.9 107.9
 115 48.8 25.4 38.0#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.86 min Scan# 1967
 Delta R.T. -0.00 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

Tgt Ion:164 Resp: 82748
 Ion Ratio Lower Upper
 164 100
 162 106.9 82.4 123.6
 160 48.4 35.8 53.6

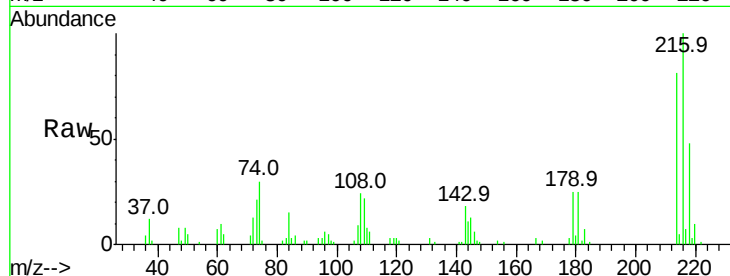




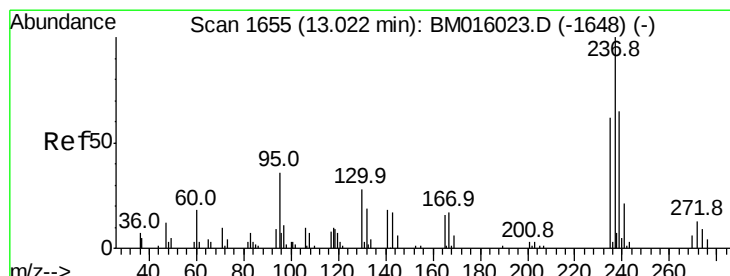
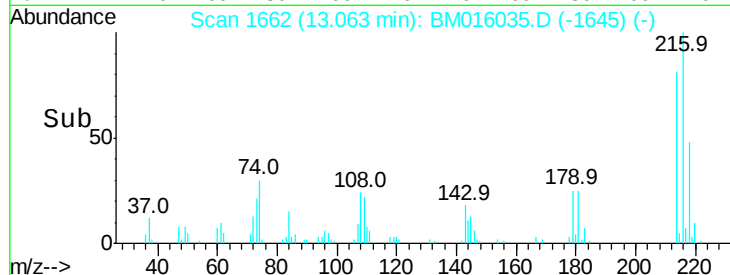
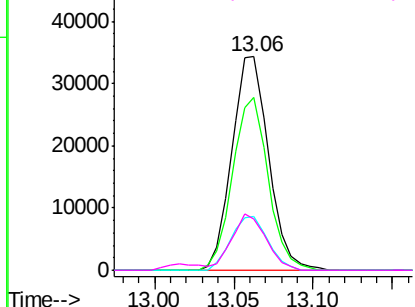
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 19.542 ng
 RT: 13.06 min Scan# 1662
 Delta R.T. -0.00 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Tot Ion:	216	Resp:	55052
Ion	Ratio	Lower	Upper
216	100		
214	78.6	0.0	0.0#
179	25.1	0.0	0.0#
108	24.7	0.0	0.0#

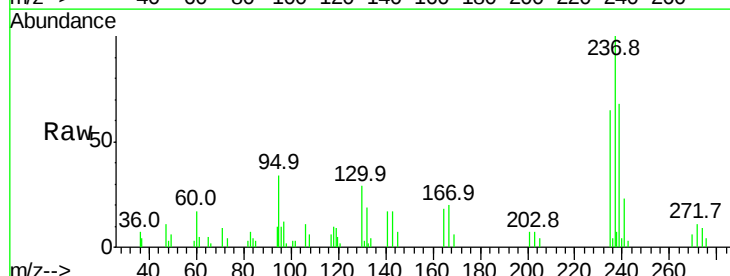


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

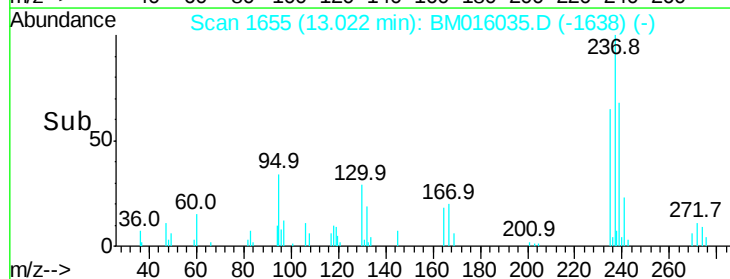
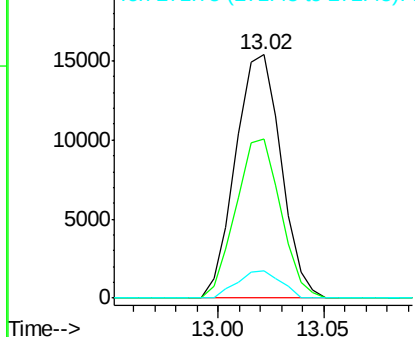


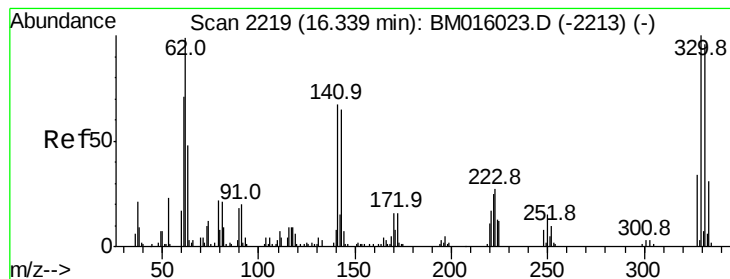
#40
 Hexachlorocyclopentadiene
 Concen: 22.792 ng
 RT: 13.02 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

Tgt Ion:	237	Resp:	23125
Ion	Ratio	Lower	Upper
237	100		
235	65.5	42.0	82.0
272	11.4	0.0	33.4



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





#41

2,4,6-Tribromophenol

Concen: 22.792 ng

RT: 16.34 min Scan# 2219

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

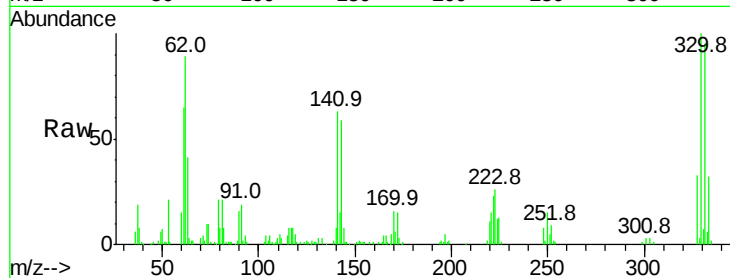
Tot Ion:330 Resp: 142450

Ion Ratio Lower Upper

330 100

332 96.1 0.0 0.0#

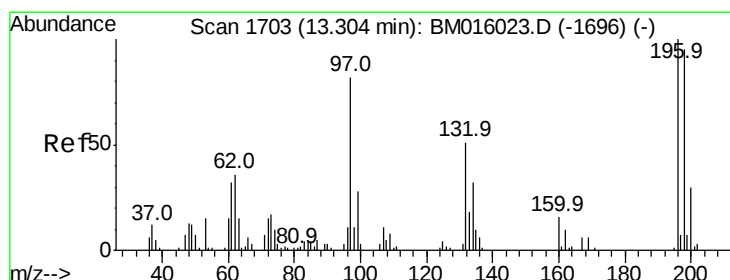
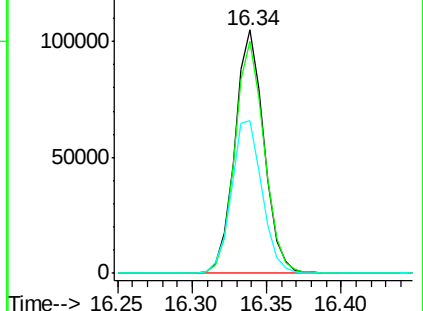
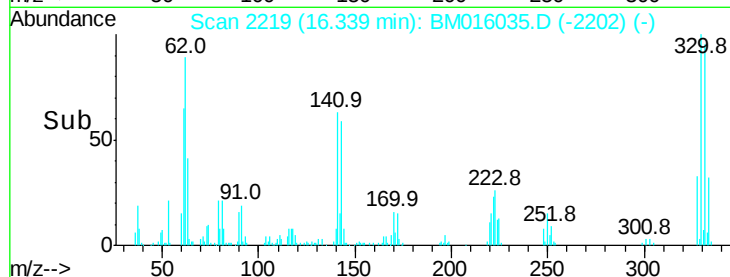
141 66.6 0.0 0.0#



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



#42

2,4,6-Trichlorophenol

Concen: 19.139 ng

RT: 13.30 min Scan# 1703

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

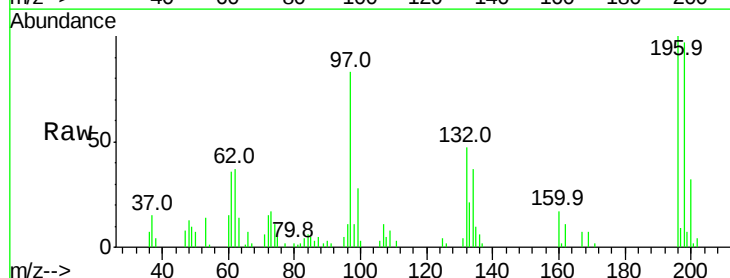
Tgt Ion:196 Resp: 33733

Ion Ratio Lower Upper

196 100

198 96.7 76.3 114.5

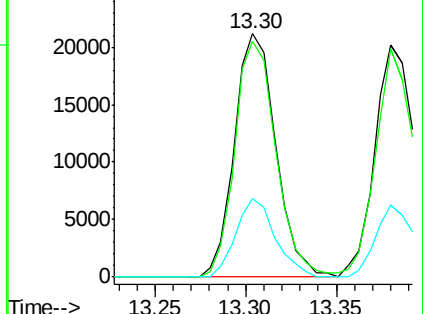
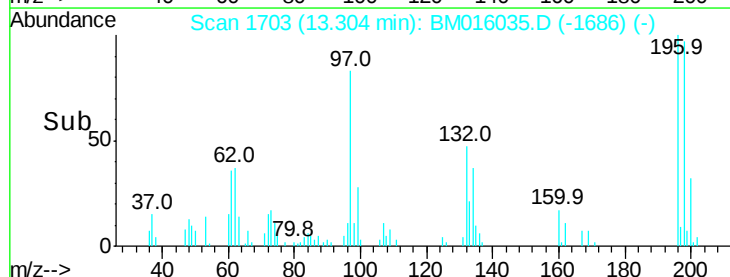
200 32.1 25.6 38.4

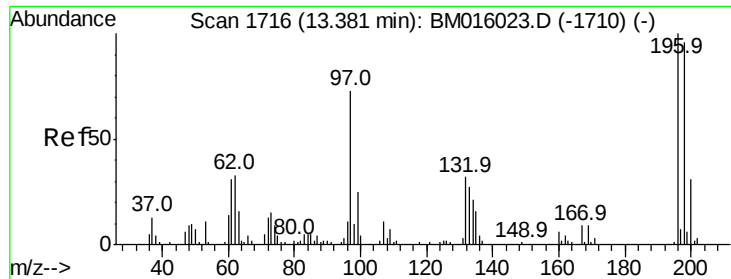


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

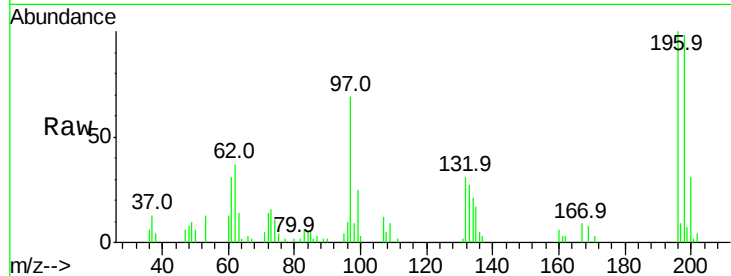




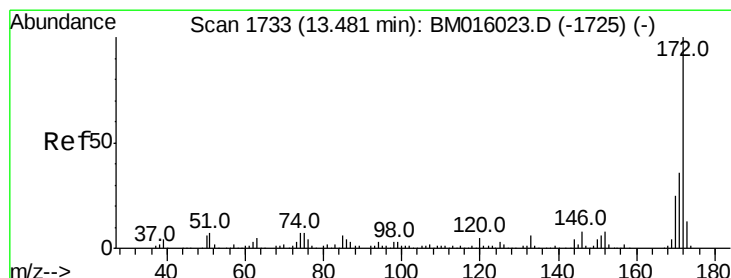
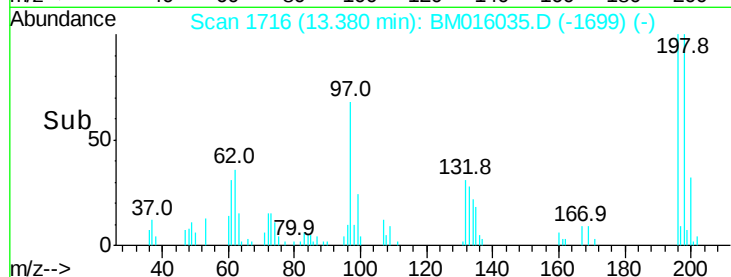
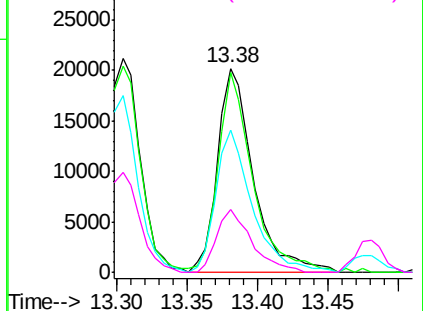
#43
 2,4,5-Trichlorophenol
 Concen: 19.706 ng
 RT: 13.38 min Scan# 1716
 Delta R.T. -0.00 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Tot Ion:196 Resp: 35827
 Ion Ratio Lower Upper
 196 100
 198 98.0 79.4 119.0
 97 69.4 26.8 40.2#
 132 30.8 18.6 28.0#

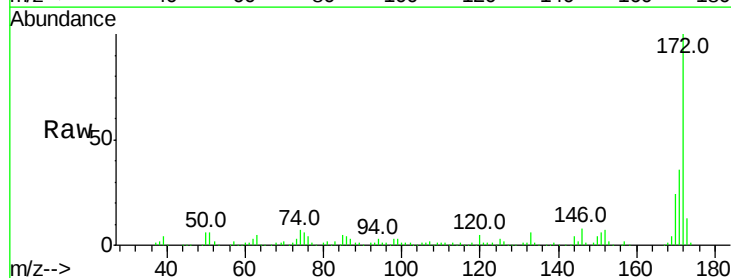


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BM
 Ion 132.00 (131.70 to 132.70): E

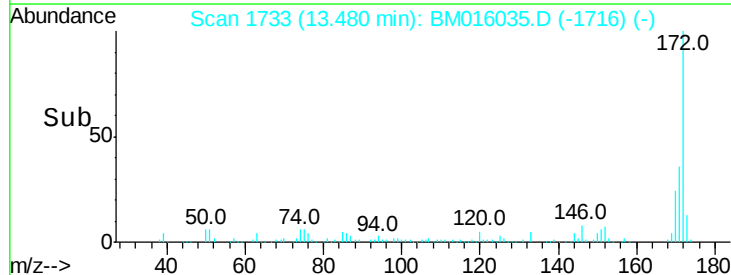
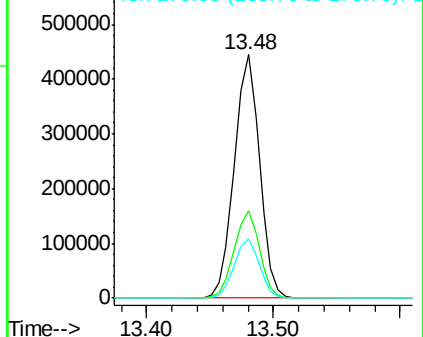


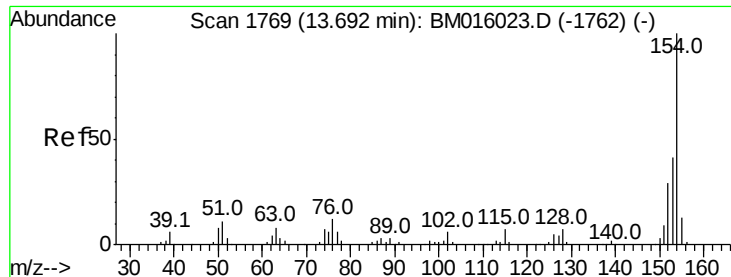
#44
 2-Fluorobiphenyl
 Concen: 19.706 ng
 RT: 13.48 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

Tgt Ion:172 Resp: 611439
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.5 42.7
 170 24.2 18.8 28.2



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

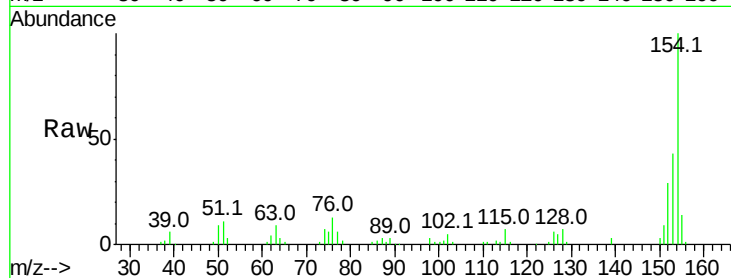




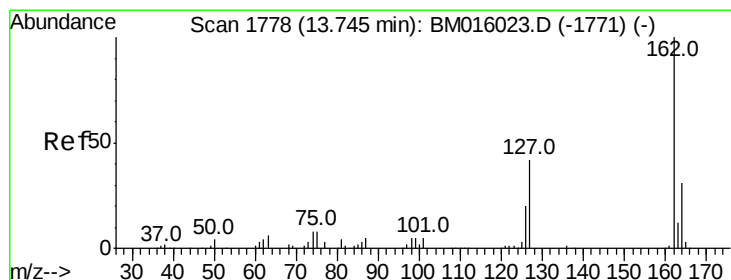
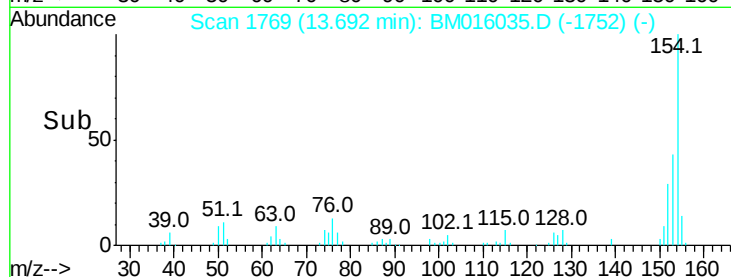
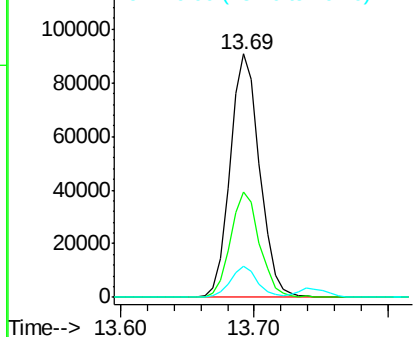
#45
1,1'-Biphenyl
Concen: 18.661 ng
RT: 13.69 min Scan# 1769
Delta R.T. -0.00 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
154	100		
153	43.4	20.7	60.7
76	12.9	0.0	30.9

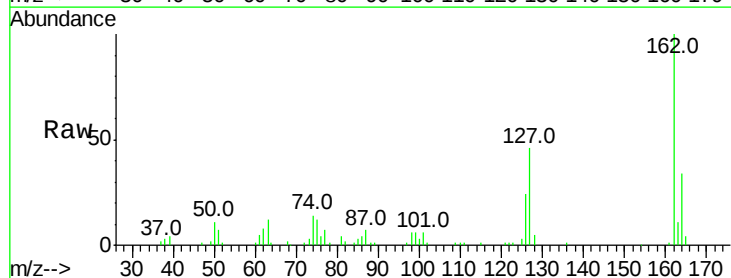


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BM

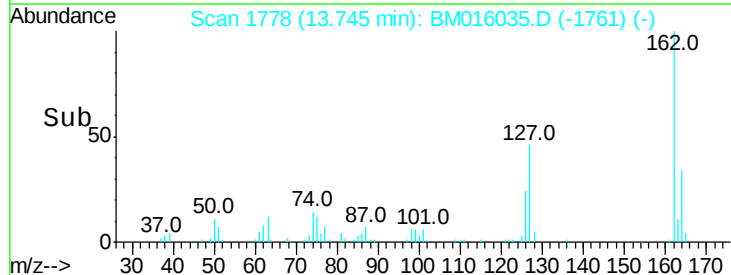
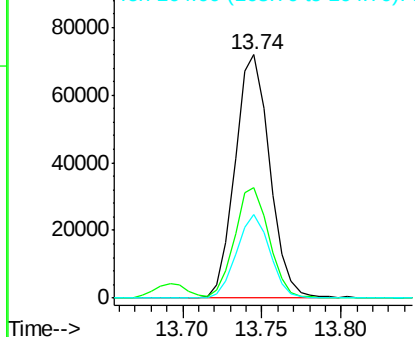


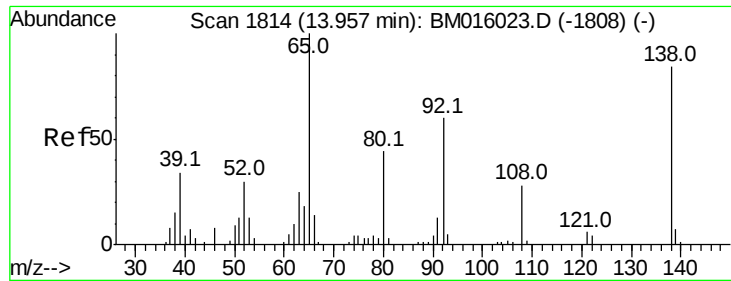
#46
2-Chloronaphthalene
Concen: 18.800 ng
RT: 13.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

Tgt Ion	Ratio	Lower	Upper
162	100		
127	45.6	26.9	40.3#
164	34.5	26.8	40.2



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

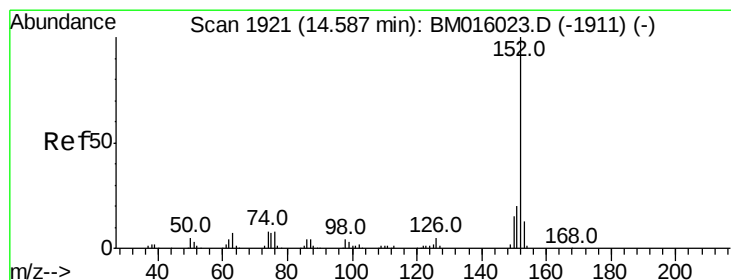
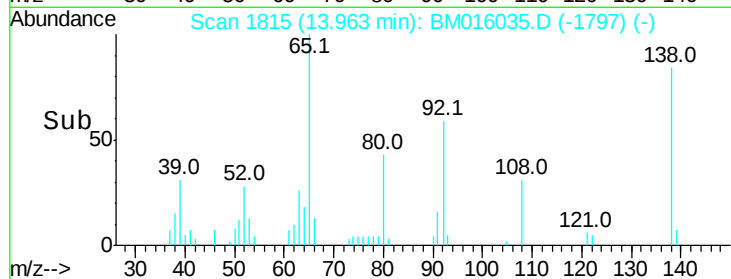
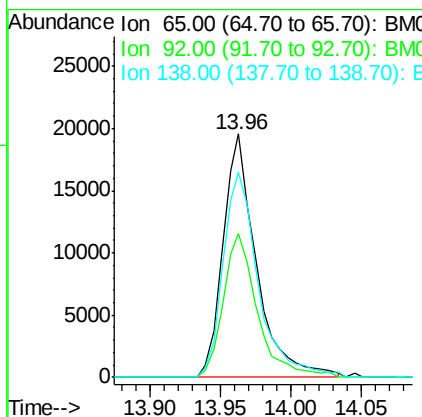
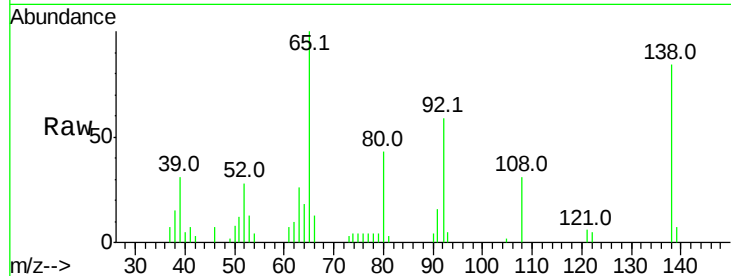




#47
 2-Nitroaniline
 Concen: 16.759 ng
 RT: 13.96 min Scan# 1815
 Delta R.T. 0.01 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

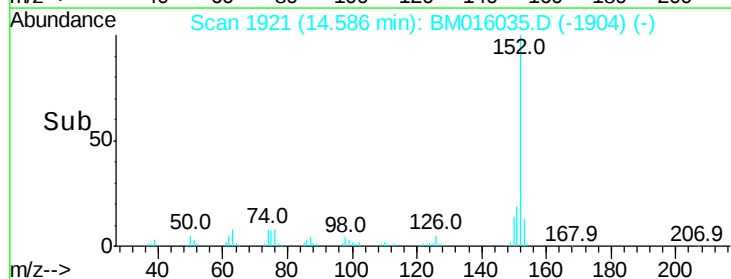
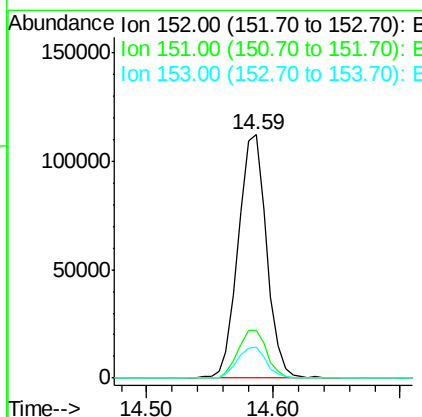
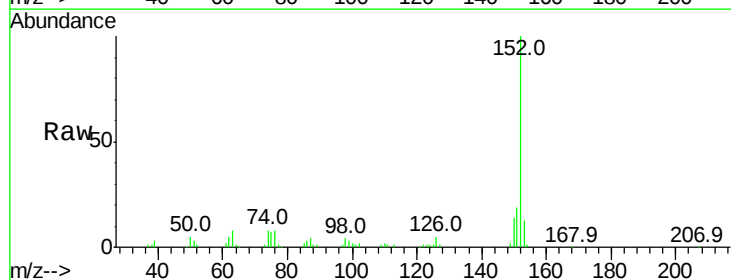
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

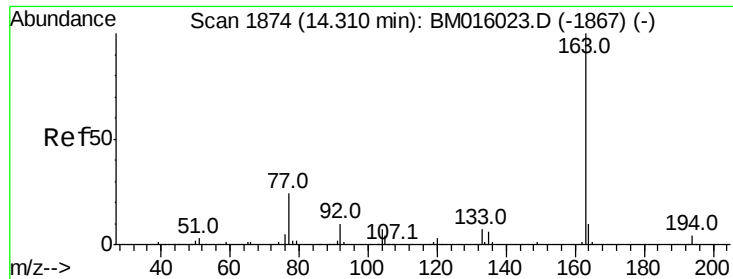
Tot Ion: 65 Resp: 32181
 Ion Ratio Lower Upper
 65 100
 92 58.9 59.1 88.7#
 138 84.2 93.9 140.9#



#48
 Acenaphthylene
 Concen: 20.371 ng
 RT: 14.59 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

Tgt Ion: 152 Resp: 173215
 Ion Ratio Lower Upper
 152 100
 151 19.4 15.9 23.9
 153 12.9 10.6 16.0





#49

Dimethylphthalate

Concen: 19.422 ng

RT: 14.31 min Scan# 1874

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

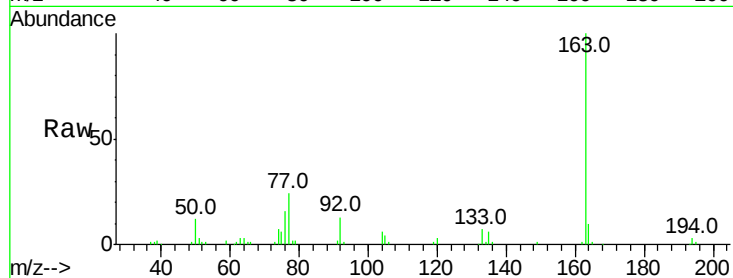
Tot Ion:163 Resp: 140648

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

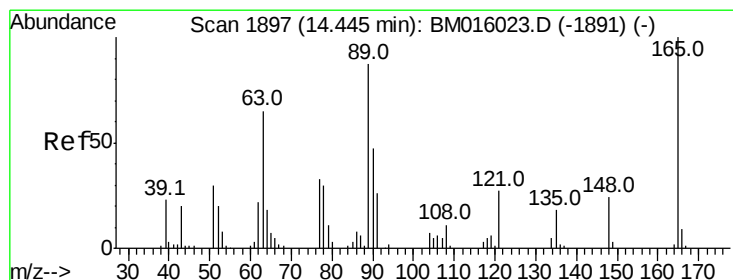
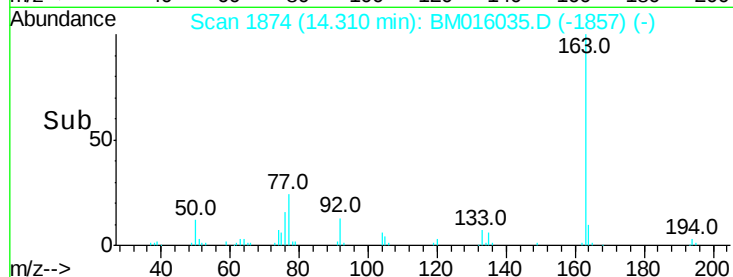
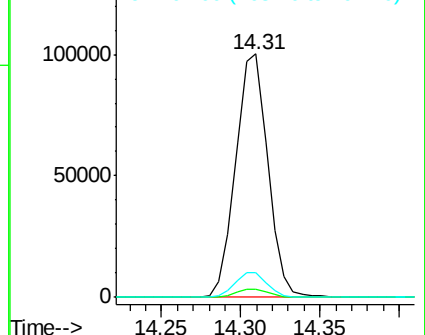
164 9.9 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 19.114 ng

RT: 14.44 min Scan# 1897

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

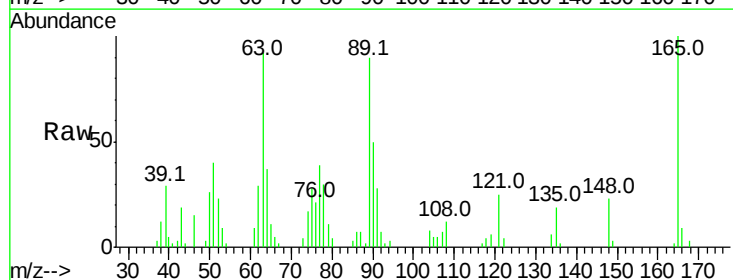
Tgt Ion:165 Resp: 27851

Ion Ratio Lower Upper

165 100

63 92.1 44.1 66.1#

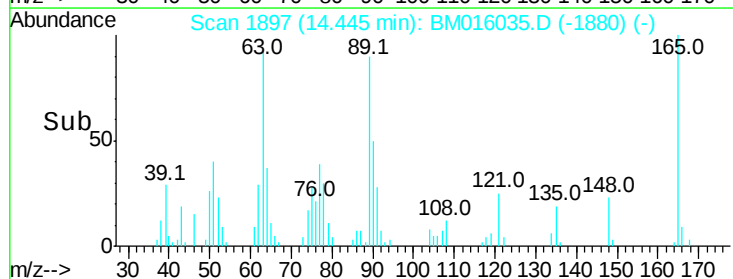
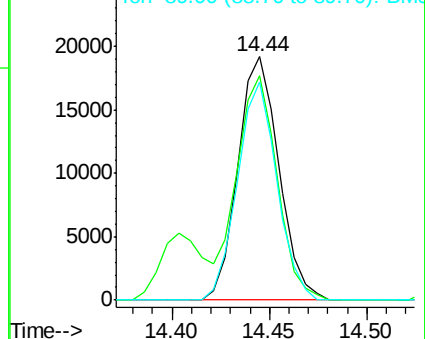
89 89.6 44.3 66.5#

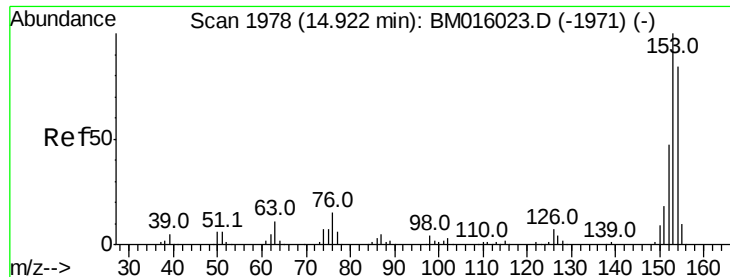


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0





#51

Acenaphthene

Concen: 19.390 ng

RT: 14.92 min Scan# 1978

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

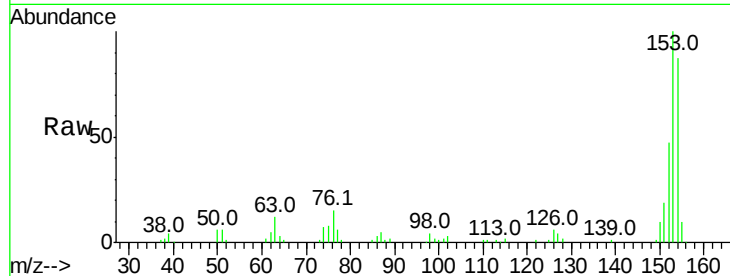
Tot Ion:154 Resp: 101400

Ion Ratio Lower Upper

154 100

153 115.1 90.0 135.0

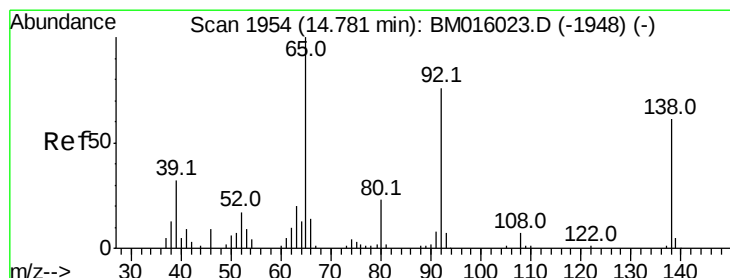
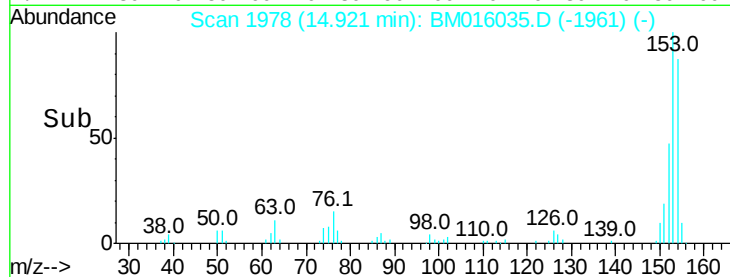
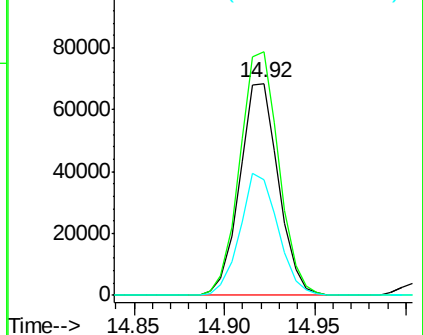
152 54.6 42.6 63.8



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



#52

3-Nitroaniline

Concen: 13.345 ng

RT: 14.78 min Scan# 1954

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

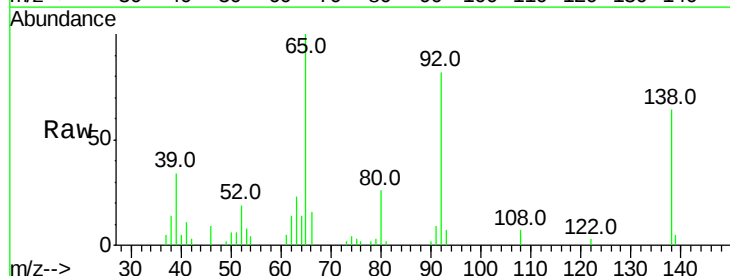
Tgt Ion:138 Resp: 21002

Ion Ratio Lower Upper

138 100

108 11.8 7.3 10.9#

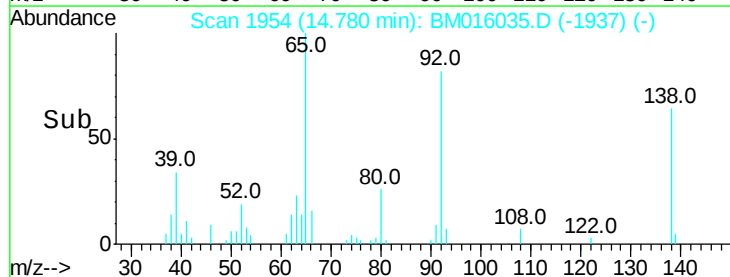
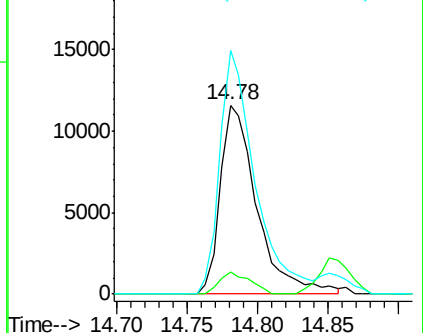
92 128.7 76.6 114.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM

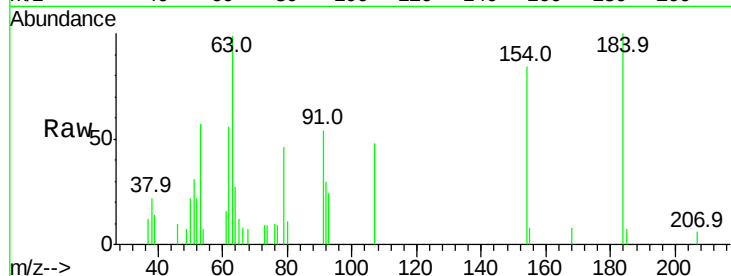




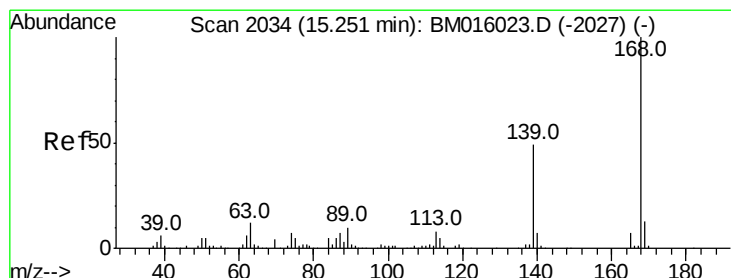
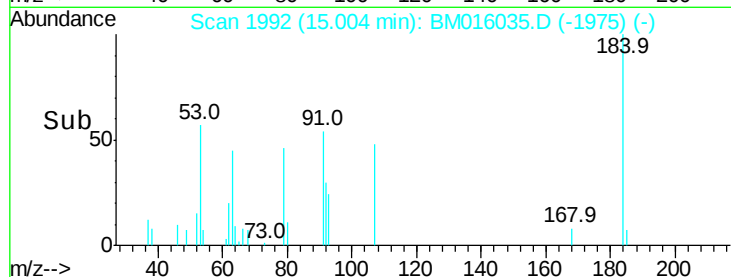
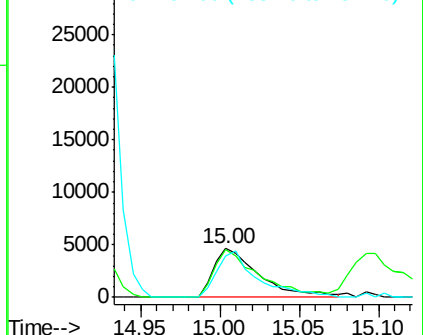
#53
2,4-Dinitrophenol
Concen: 19.688 ng
RT: 15.00 min Scan# 1992
Delta R.T. -0.00 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:184 Resp: 9193
Ion Ratio Lower Upper
184 100
63 98.9 69.2 103.8
154 83.8 53.3 79.9#

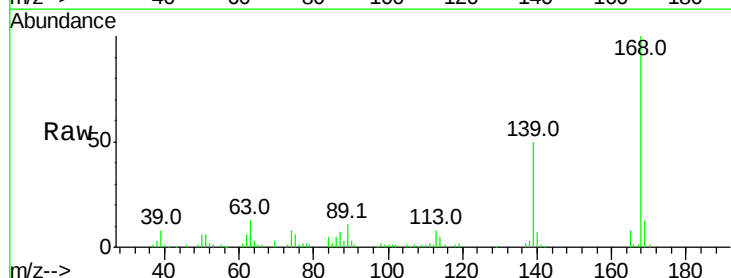


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BM0
Ion 154.00 (153.70 to 154.70): E

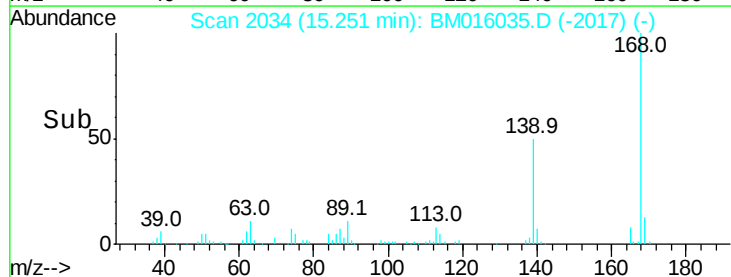
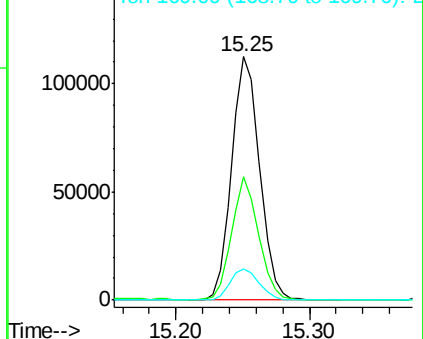


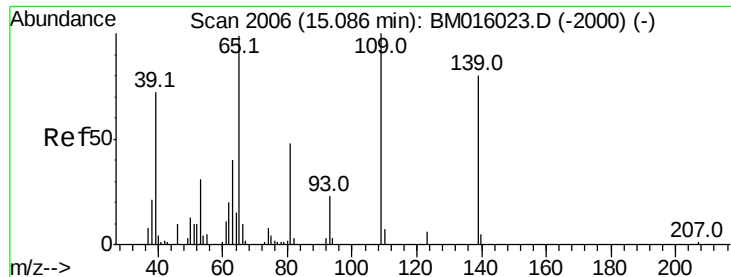
#54
Dibenzofuran
Concen: 19.141 ng
RT: 15.25 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

Tgt Ion:168 Resp: 164946
Ion Ratio Lower Upper
168 100
139 50.5 27.3 40.9#
169 13.0 10.6 16.0



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

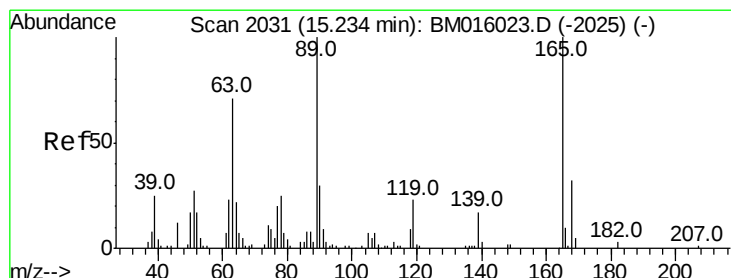
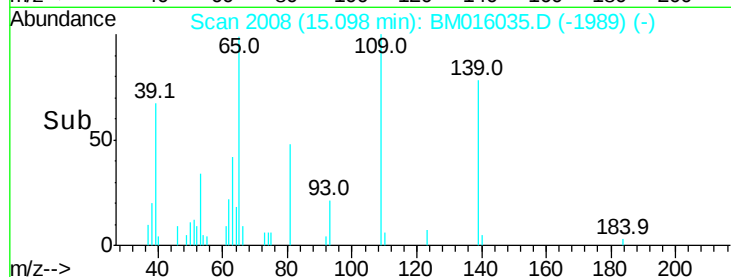
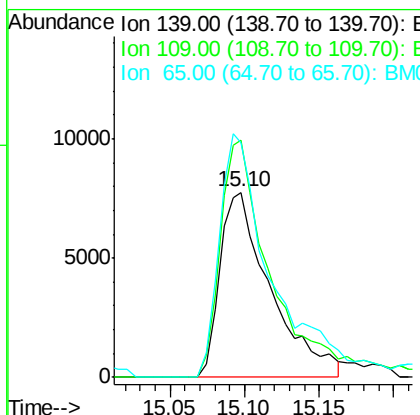
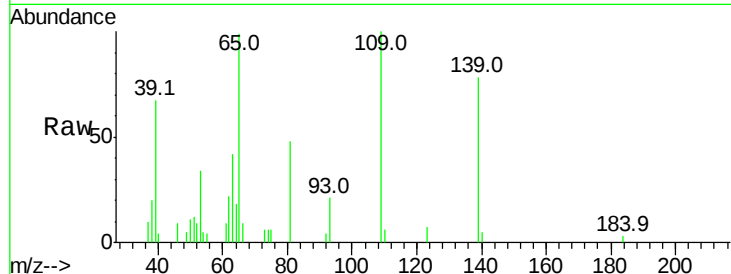




#55
4-Nitrophenol
Concen: 16.276 ng
RT: 15.10 min Scan# 2008
Delta R.T. 0.01 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

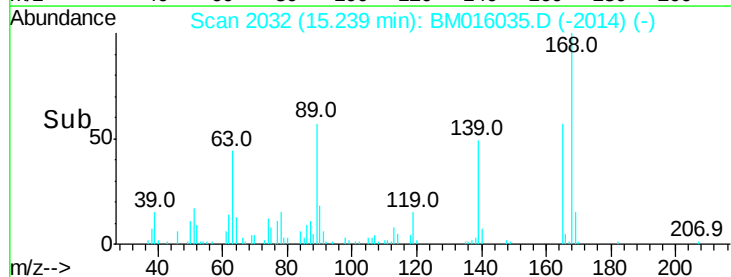
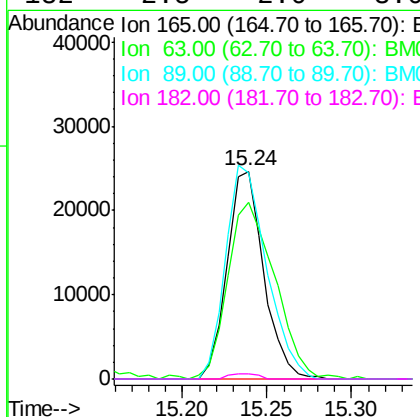
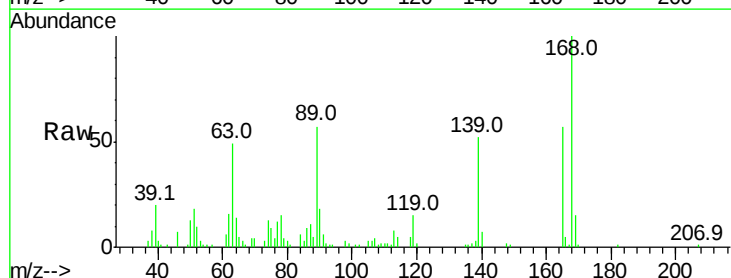
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

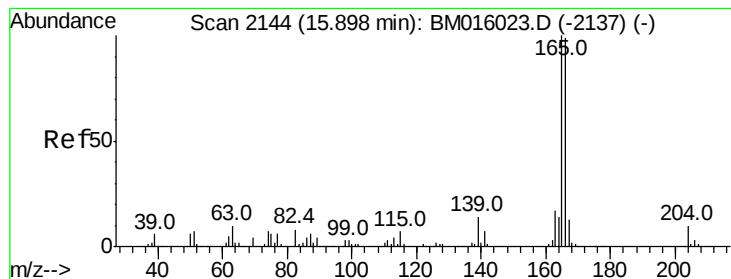
Tot Ion:139 Resp: 18363
Ion Ratio Lower Upper
139 100
109 128.7 130.0 170.0#
65 126.8 130.0 170.0#



#56
2,4-Dinitrotoluene
Concen: 17.823 ng
RT: 15.24 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

Tgt Ion:165 Resp: 37133
Ion Ratio Lower Upper
165 100
63 84.7 52.4 78.6#
89 99.3 72.4 108.6
182 2.5 2.0 3.0





#57

Fluorene

Concen: 20.323 ng

RT: 15.90 min Scan# 2144

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

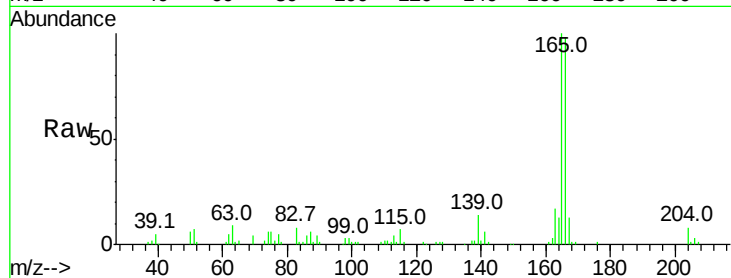
Tot Ion:166 Resp: 130145

Ion Ratio Lower Upper

166 100

165 101.9 79.0 118.4

167 13.6 10.3 15.5

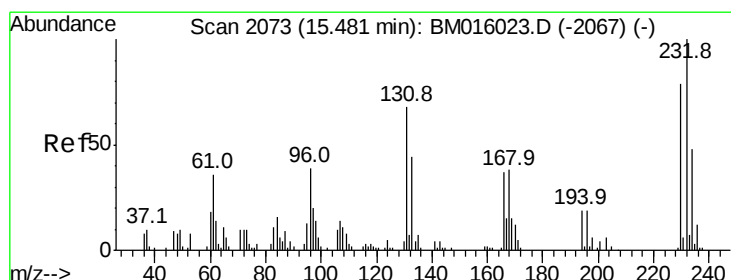
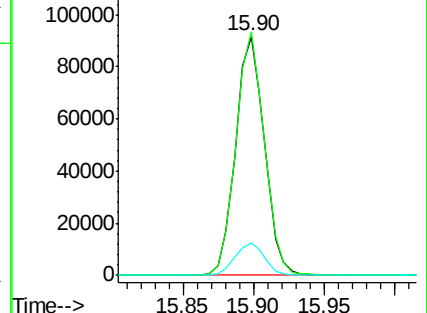
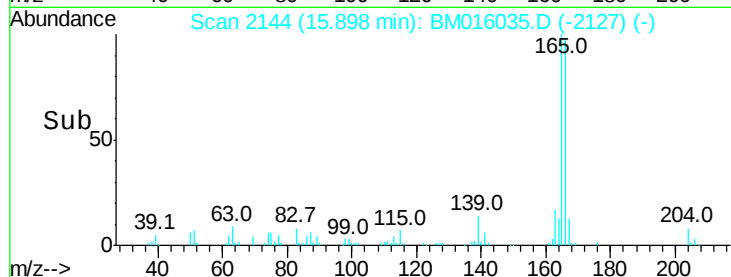


Abundance

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



#58

2,3,4,6-Tetrachlorophenol

Concen: 19.809 ng

RT: 15.48 min Scan# 2073

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

Tgt Ion:232 Resp: 30955

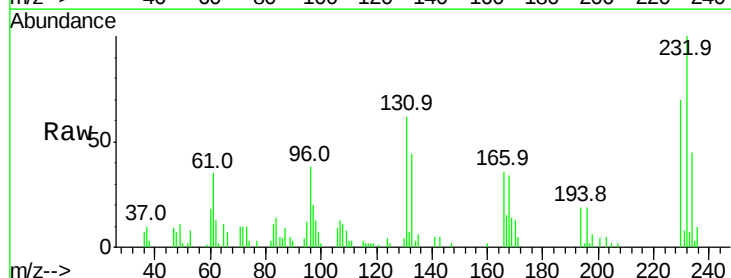
Ion Ratio Lower Upper

232 100

131 66.7 0.0 0.0#

130 3.5 0.0 0.0#

166 38.1 0.0 0.0#



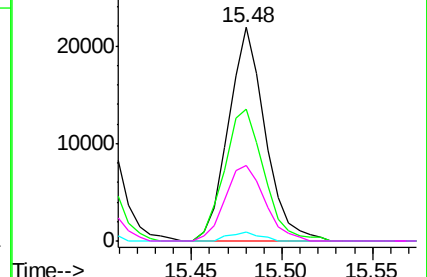
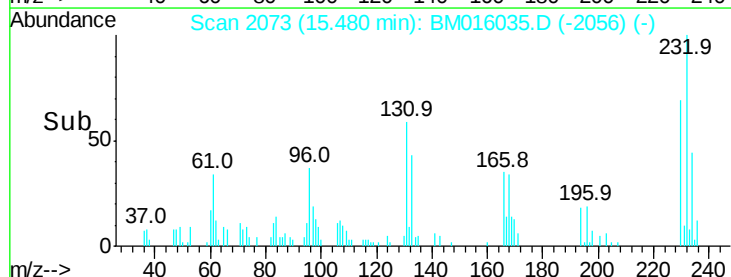
Abundance

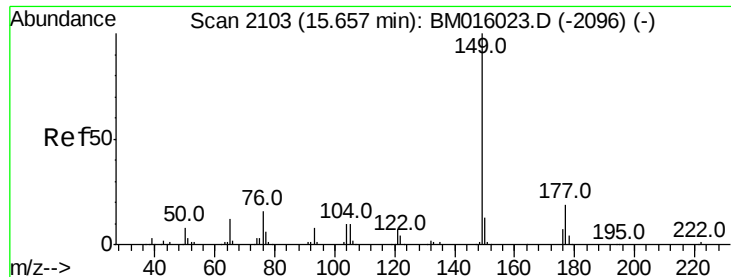
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

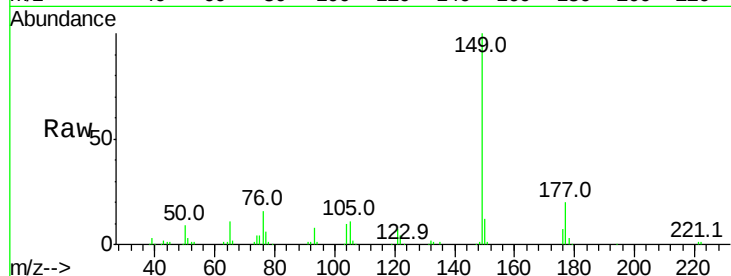




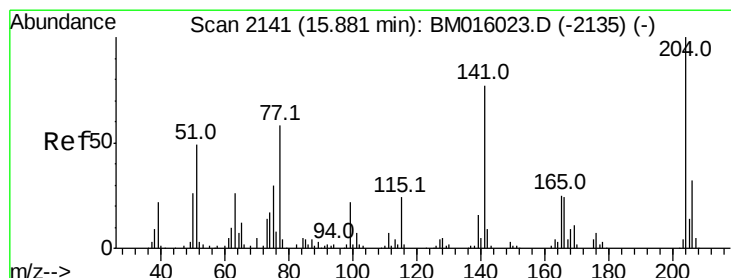
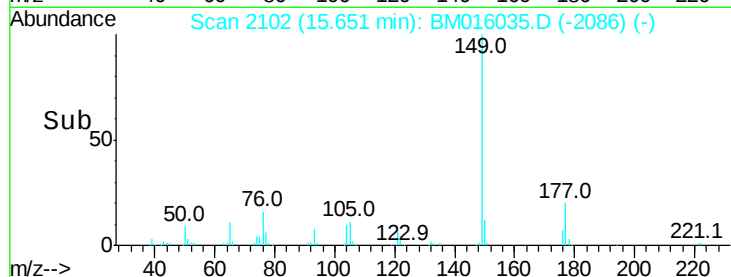
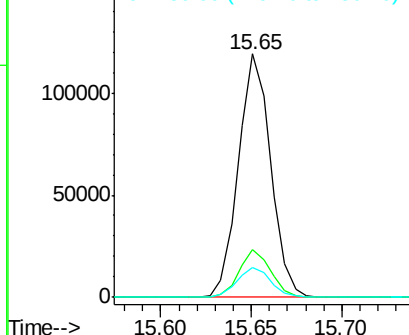
#59
Diethylphthalate
Concen: 18.884 ng
RT: 15.65 min Scan# 2102
Delta R.T. -0.01 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:149 Resp: 147397
Ion Ratio Lower Upper
149 100
177 19.5 18.3 27.5
150 12.3 9.8 14.8

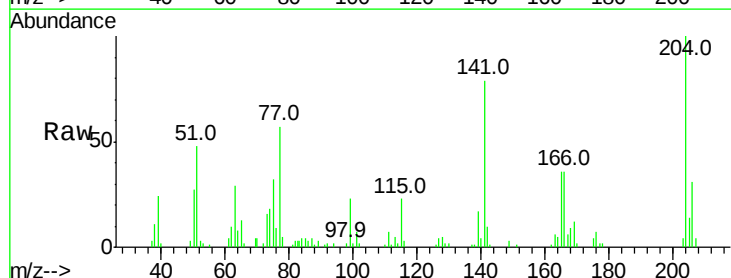


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

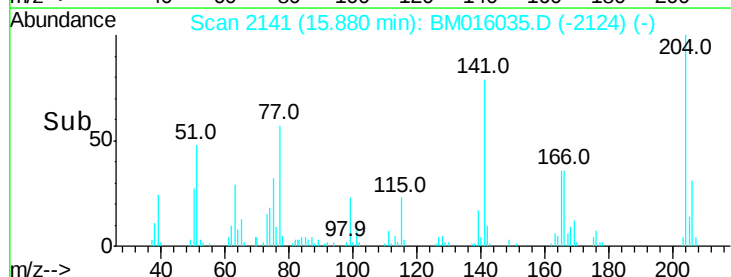
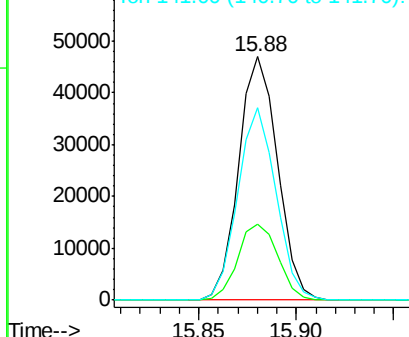


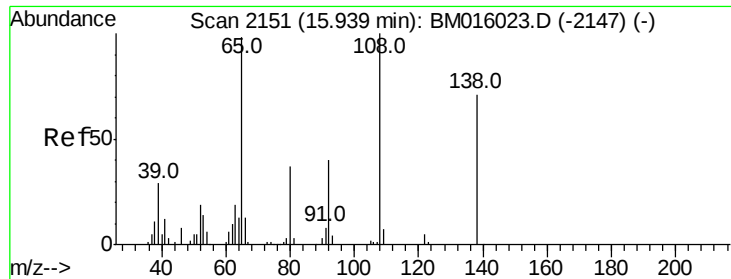
#60
4-Chlorophenyl-phenylether
Concen: 18.202 ng
RT: 15.88 min Scan# 2141
Delta R.T. -0.00 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

Tgt Ion:204 Resp: 64887
Ion Ratio Lower Upper
204 100
206 31.2 26.6 39.8
141 78.8 45.2 67.8#



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





#61

4-Nitroaniline

Concen: 15.521 ng

RT: 15.94 min Scan# 2151

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

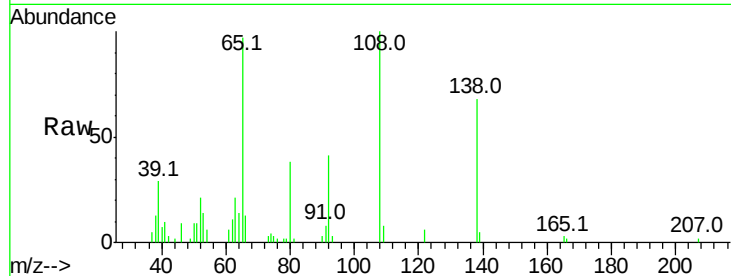
Tot Ion:138 Resp: 23437

Ion Ratio Lower Upper

138 100

92 60.4 16.7 56.7#

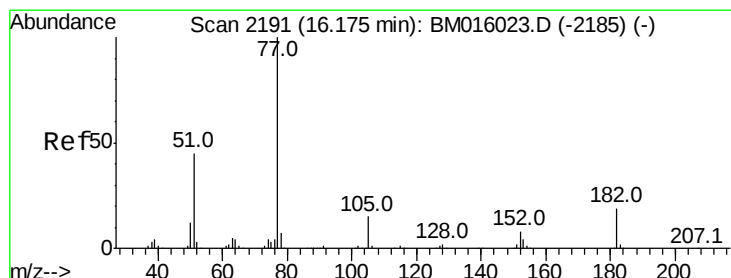
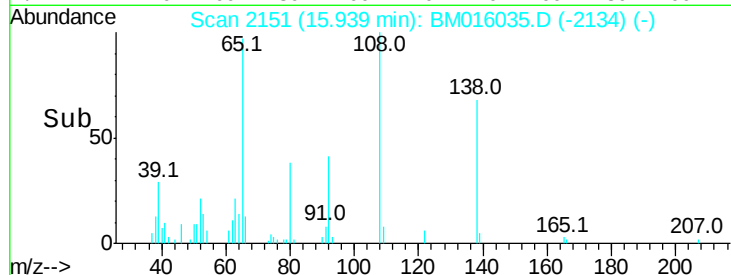
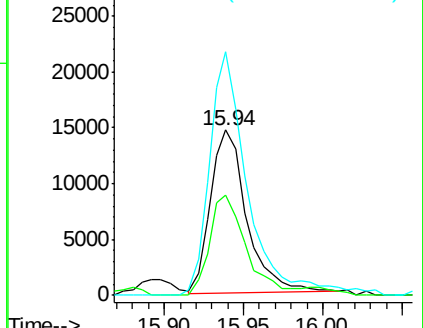
108 147.3 37.6 77.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 19.397 ng

RT: 16.17 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

Tgt Ion: 77 Resp: 159447

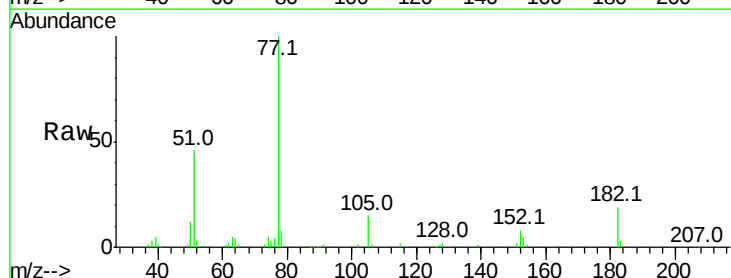
Ion Ratio Lower Upper

77 100

182 19.1 6.5 46.5

105 15.2 3.8 43.8

51 45.9 5.5 45.5#

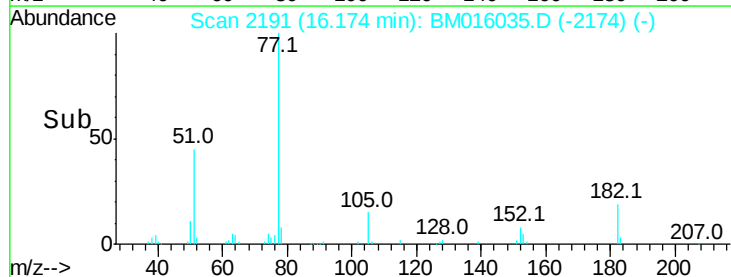
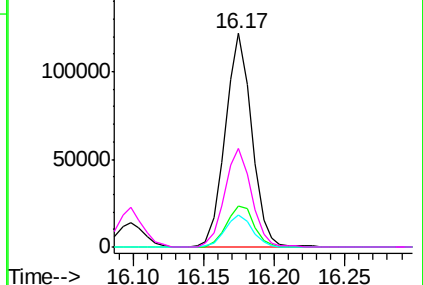


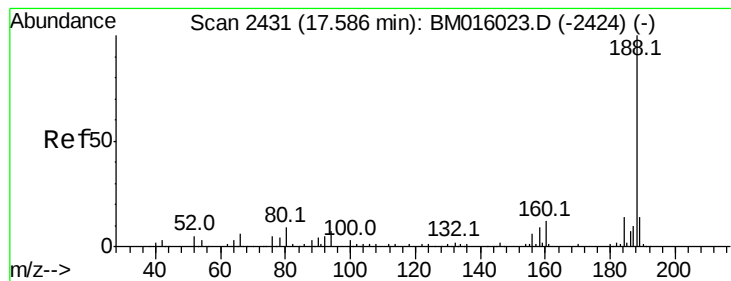
Abundance Ion 77.00 (76.70 to 77.70): BM0

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.59 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

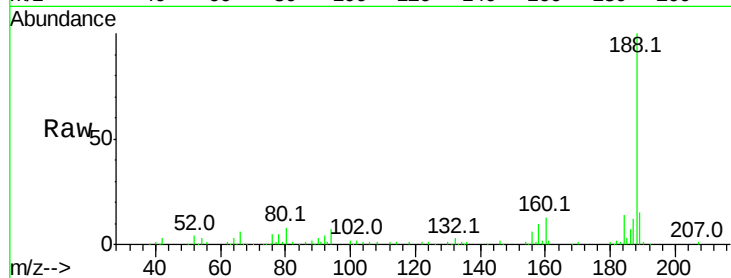
Tot Ion:188 Resp: 179548

Ion Ratio Lower Upper

188 100

94 6.7 8.7 13.1#

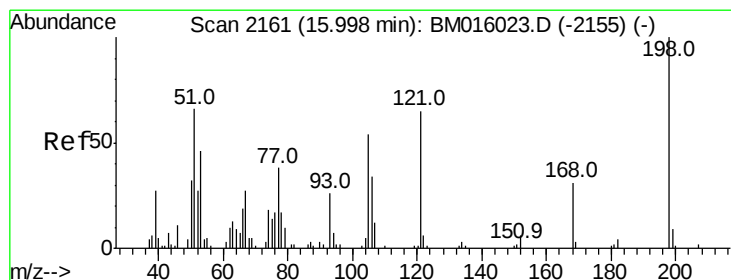
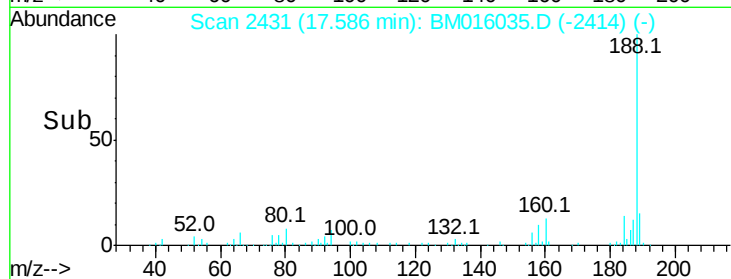
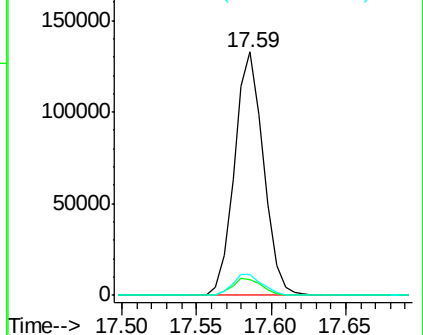
80 8.4 9.3 13.9#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 14.810 ng

RT: 16.00 min Scan# 2161

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

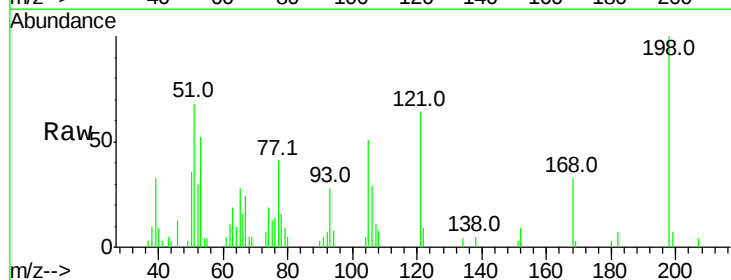
Tgt Ion:198 Resp: 16140

Ion Ratio Lower Upper

198 100

51 68.2 28.8 68.8

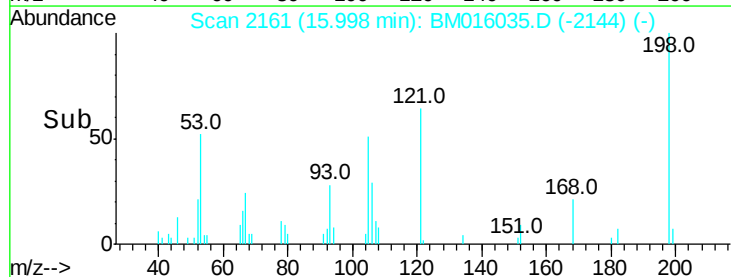
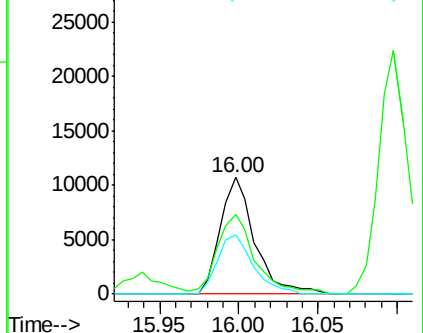
105 51.4 30.5 70.5

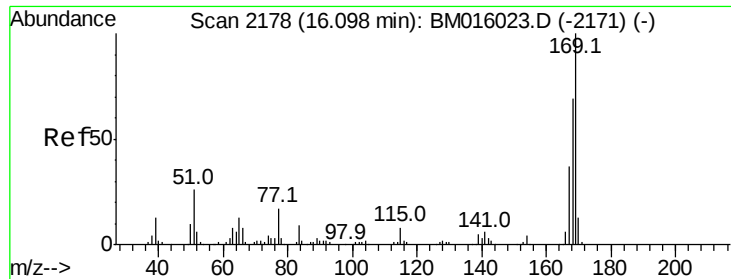


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E

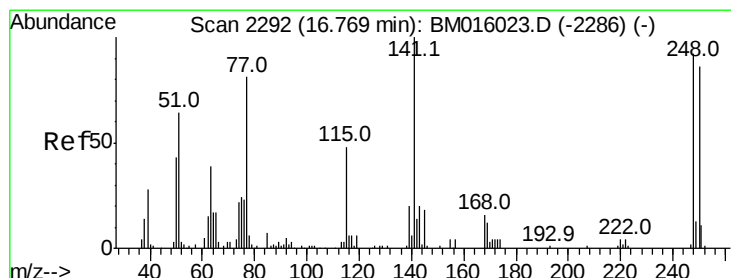
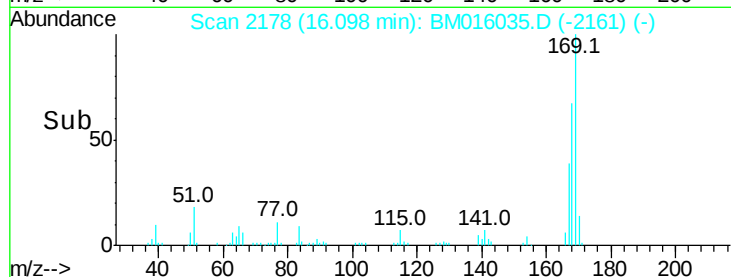
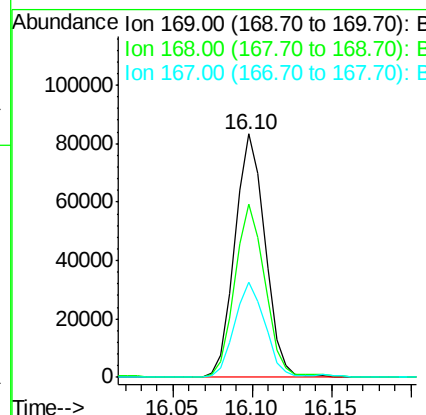
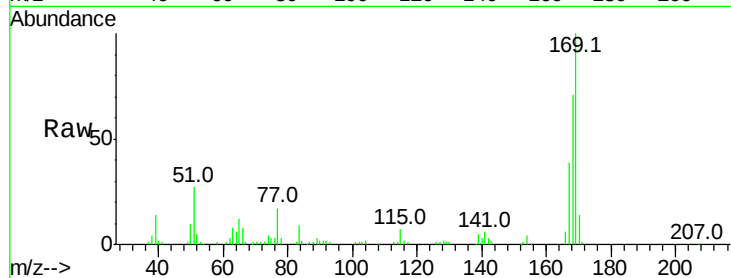




#65
 n-Nitrosodiphenylamine
 Concen: 18.634 ng
 RT: 16.10 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

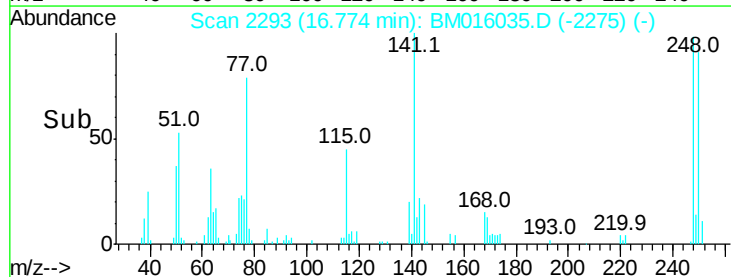
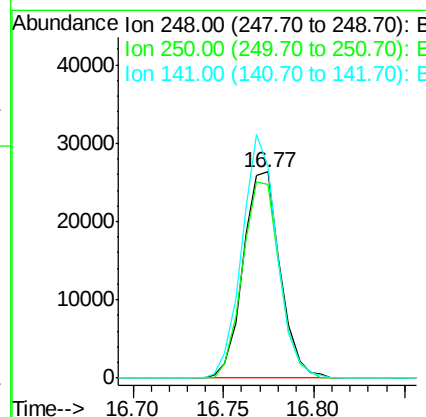
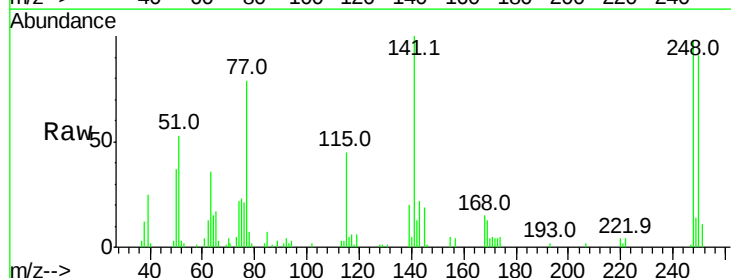
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

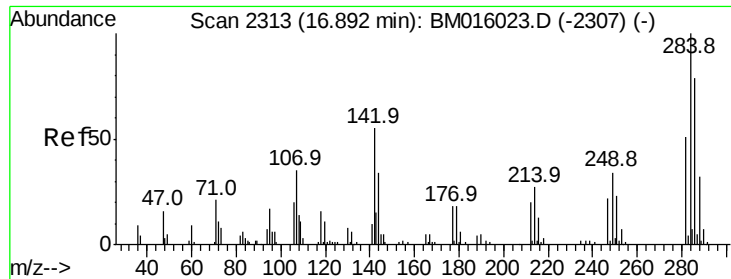
Tot Ion:169 Resp: 110167
 Ion Ratio Lower Upper
 169 100
 168 70.9 53.9 80.9
 167 39.3 28.9 43.3



#66
 4-Bromophenyl-phenylether
 Concen: 18.355 ng
 RT: 16.77 min Scan# 2293
 Delta R.T. 0.01 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

Tgt Ion:248 Resp: 37318
 Ion Ratio Lower Upper
 248 100
 250 93.5 77.4 116.0
 141 102.3 45.2 67.8#

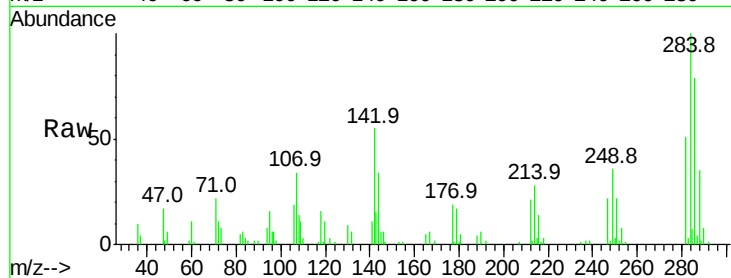




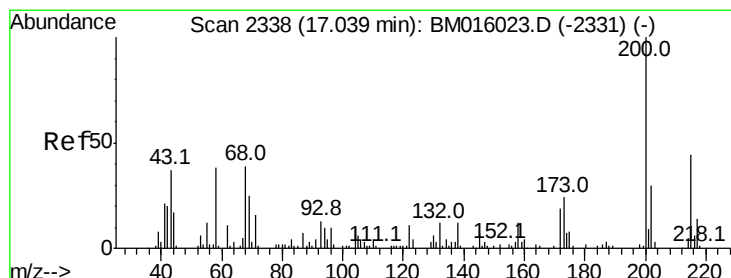
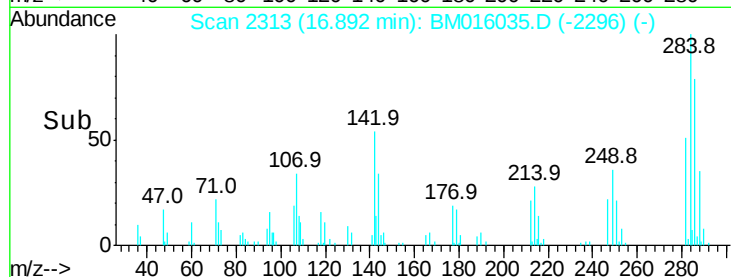
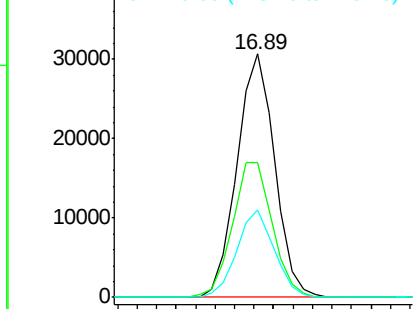
#67
Hexachlorobenzene
Concen: 18.347 ng
RT: 16.89 min Scan# 2313
Delta R.T. -0.00 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:284 Resp: 41078
Ion Ratio Lower Upper
284 100
142 55.4 20.4 30.6#
249 35.8 23.8 35.6#

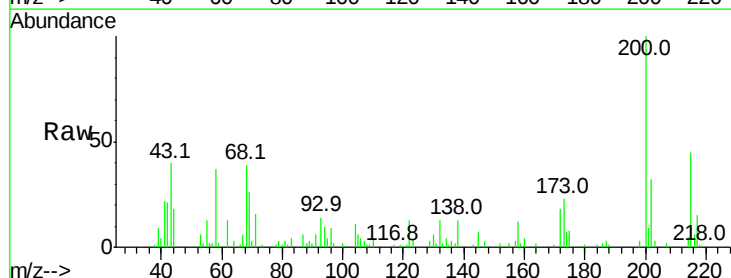


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

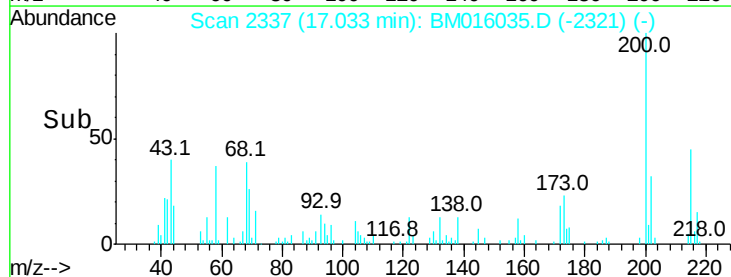
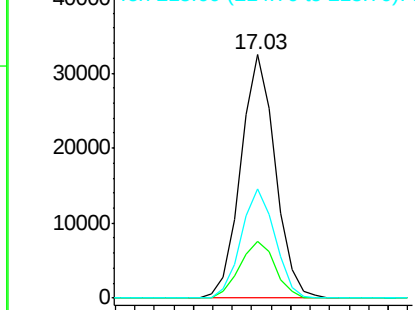


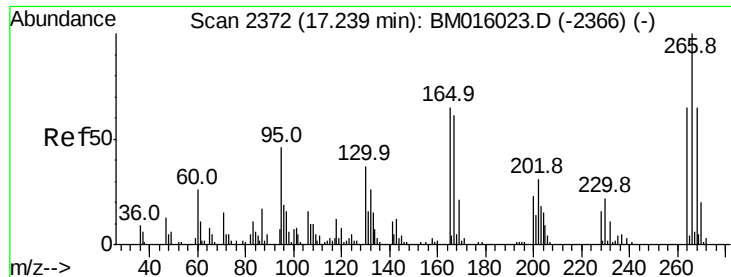
#68
Atrazine
Concen: 18.724 ng
RT: 17.03 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

Tgt Ion:200 Resp: 39676
Ion Ratio Lower Upper
200 100
173 23.2 4.8 44.8
215 44.7 26.9 66.9



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

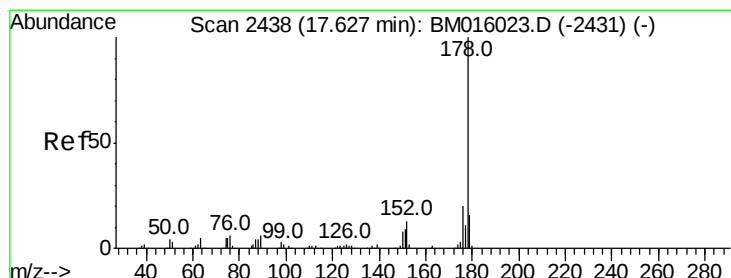
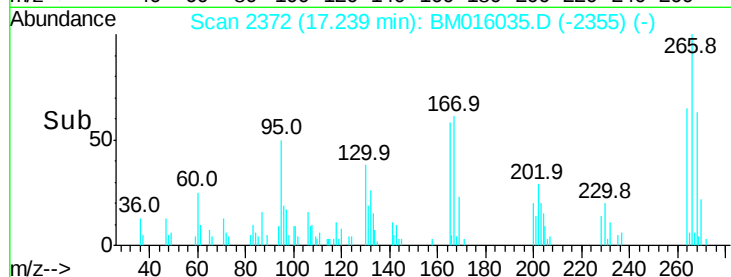
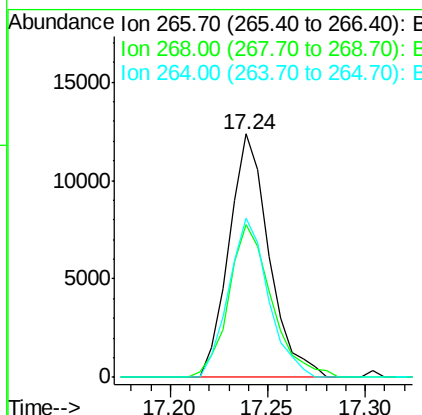
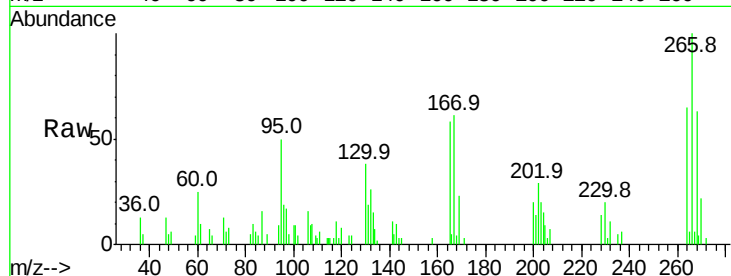




#69
 Pentachlorophenol
 Concen: 12.666 ng
 RT: 17.24 min Scan# 2372
 Delta R.T. -0.00 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

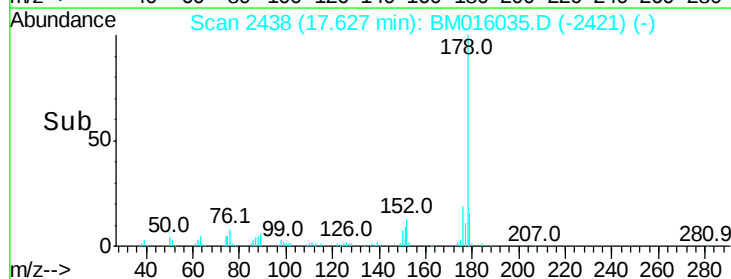
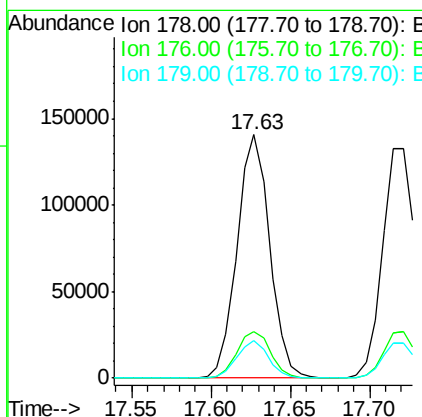
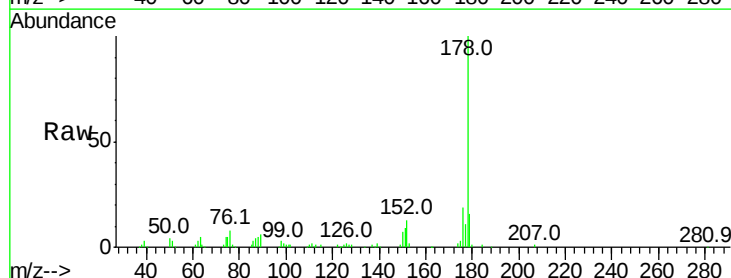
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Tot Ion:266 Resp: 17560
 Ion Ratio Lower Upper
 266 100
 268 66.8 52.0 78.0
 264 65.3 49.0 73.4



#70
 Phenanthrene
 Concen: 19.958 ng
 RT: 17.63 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

Tgt Ion:178 Resp: 200626
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.2 22.8
 179 15.5 12.1 18.1

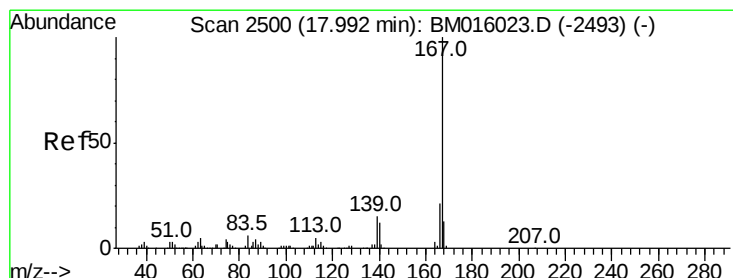
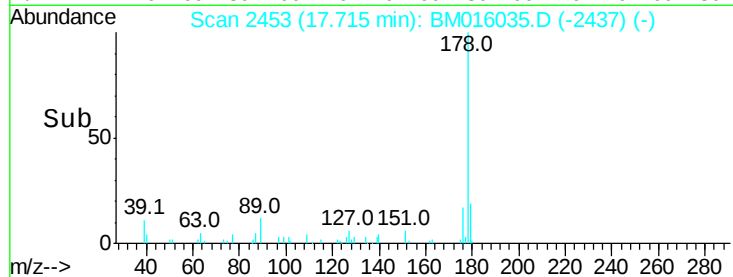
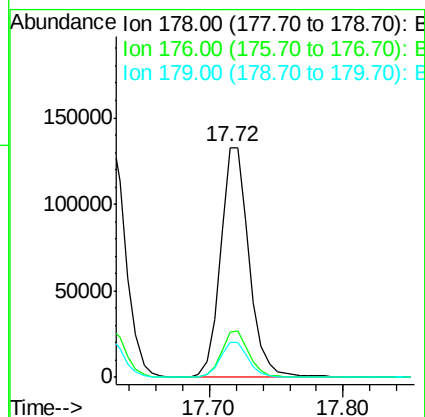
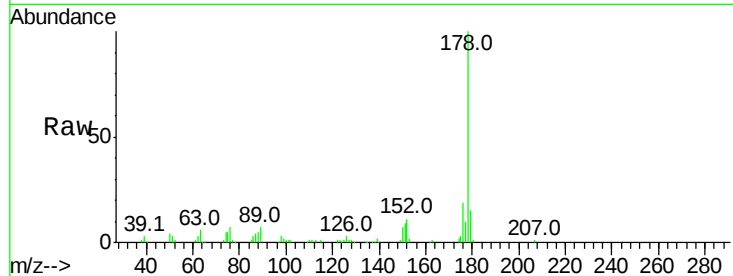




#71
 Anthracene
 Concen: 20.472 ng
 RT: 17.72 min Scan# 2453
 Delta R.T. -0.01 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

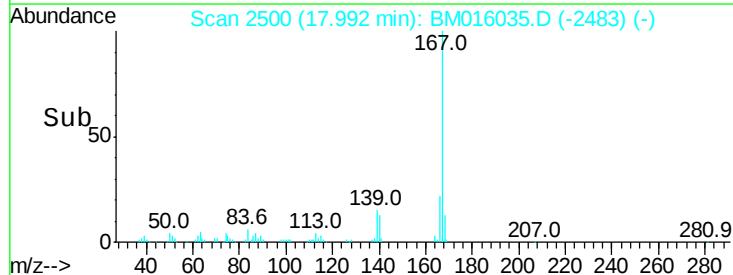
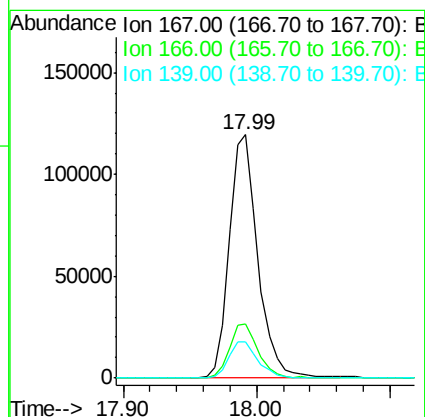
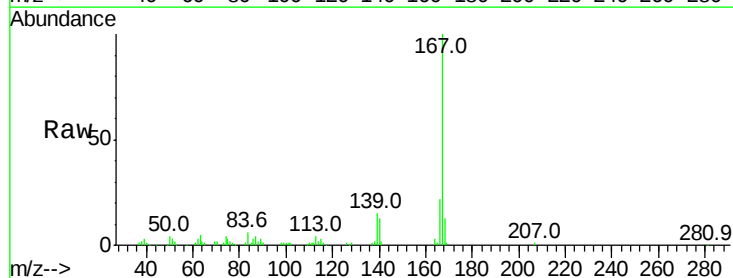
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

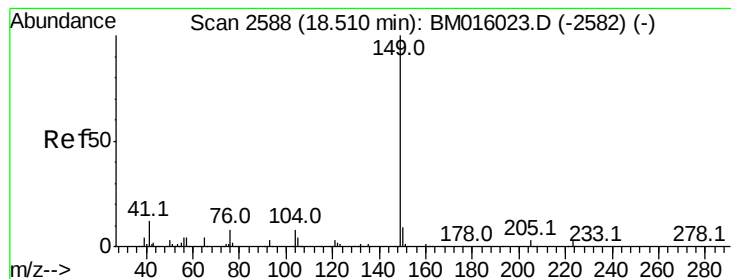
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.6	22.0
179	15.4	12.6	19.0



#72
 Carbazole
 Concen: 17.710 ng
 RT: 17.99 min Scan# 2500
 Delta R.T. -0.00 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.2	25.8
139	14.9	10.8	16.2





#73

Di-n-butylphthalate

Concen: 17.886 ng

RT: 18.51 min Scan# 2588

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

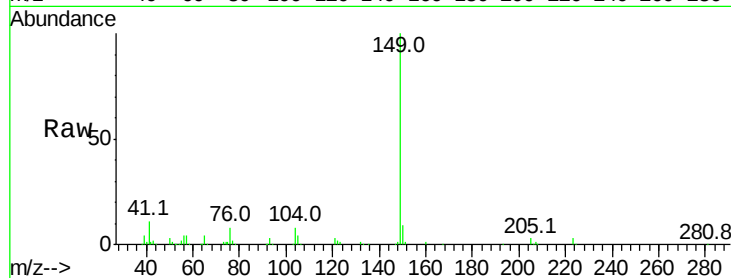
Tot Ion:149 Resp: 225573

Ion Ratio Lower Upper

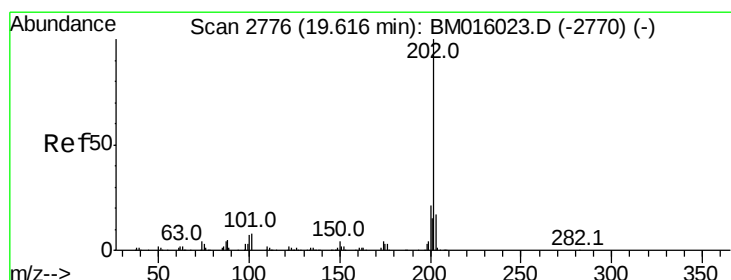
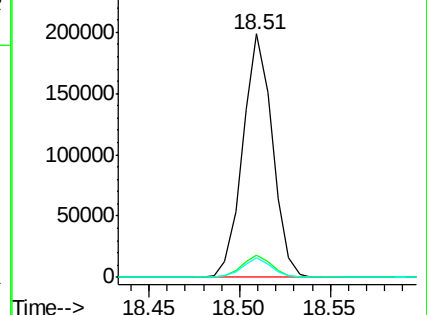
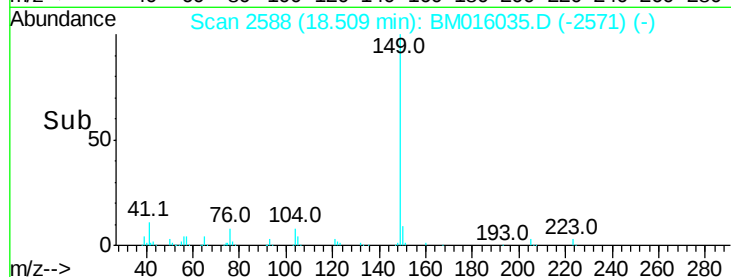
149 100

150 9.1 7.5 11.3

104 7.8 3.7 5.5#



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



#74

Fluoranthene

Concen: 19.598 ng

RT: 19.61 min Scan# 2775

Delta R.T. -0.01 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

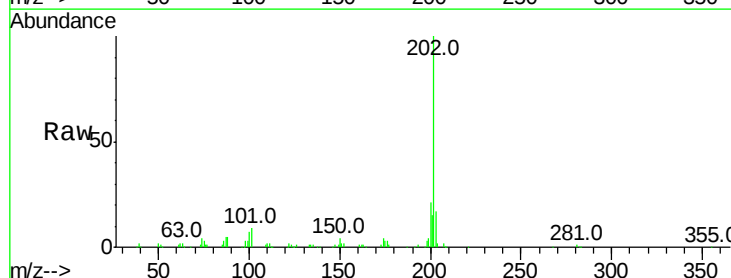
Tgt Ion:202 Resp: 219751

Ion Ratio Lower Upper

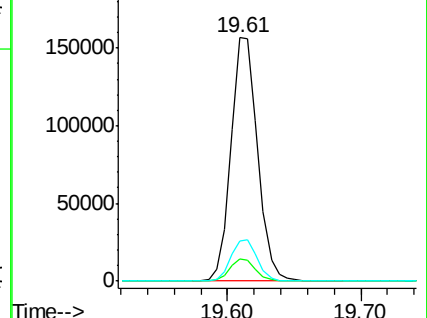
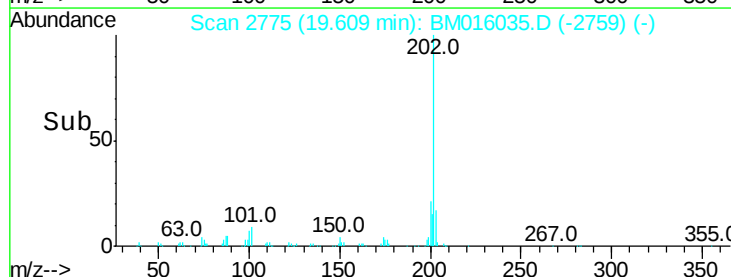
202 100

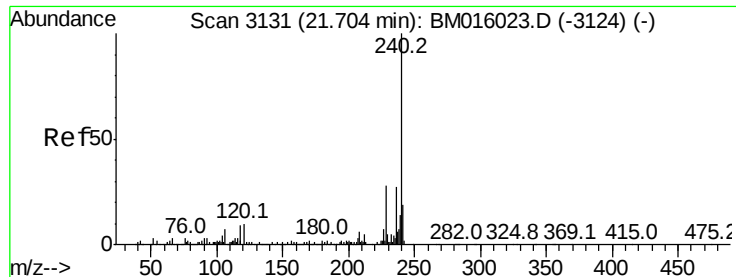
101 8.9 0.0 28.7

203 16.7 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

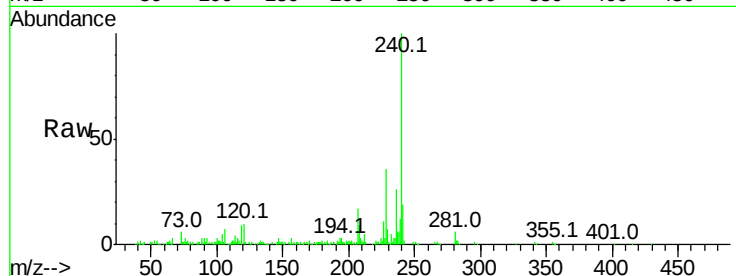
Tot Ion:240 Resp: 194373

Ion Ratio Lower Upper

240 100

120 9.7 8.2 12.2

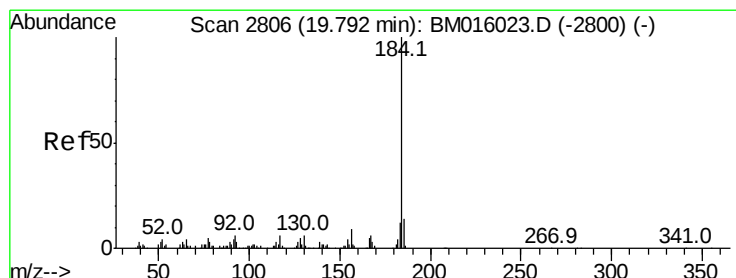
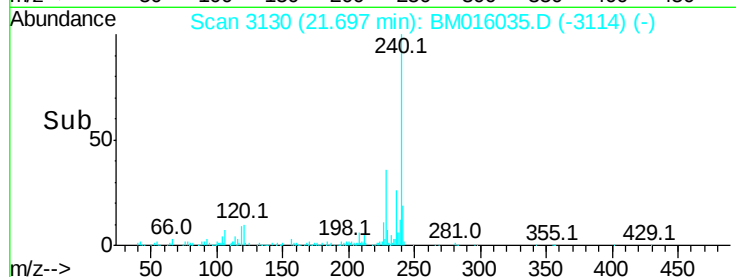
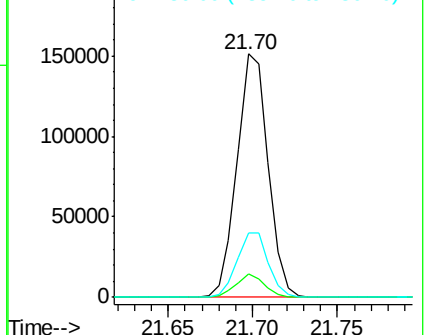
236 26.4 20.0 30.0



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



#76

Benzidine

Concen: 13.300 ng

RT: 19.79 min Scan# 2806

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

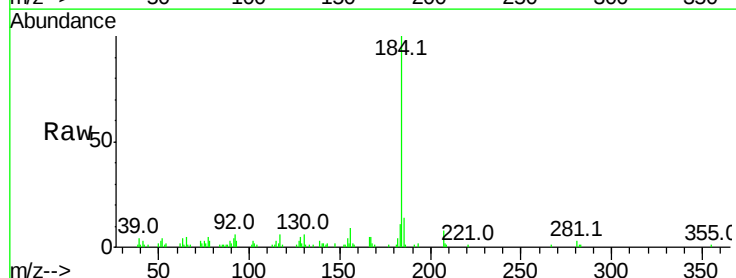
Tgt Ion:184 Resp: 72240

Ion Ratio Lower Upper

184 100

185 14.0 11.3 16.9

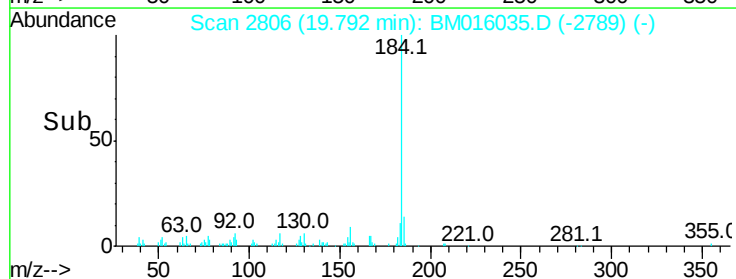
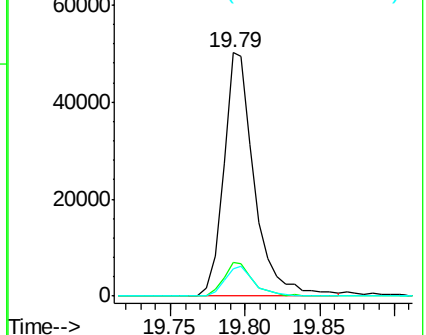
183 11.3 8.9 13.3

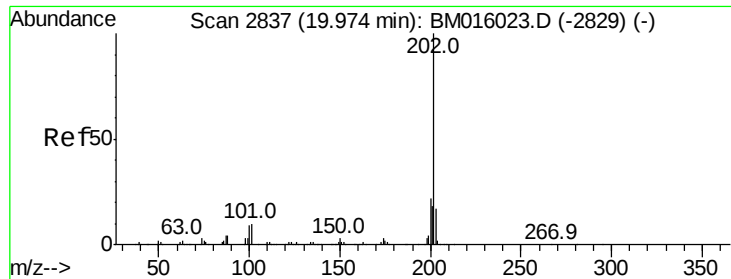


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

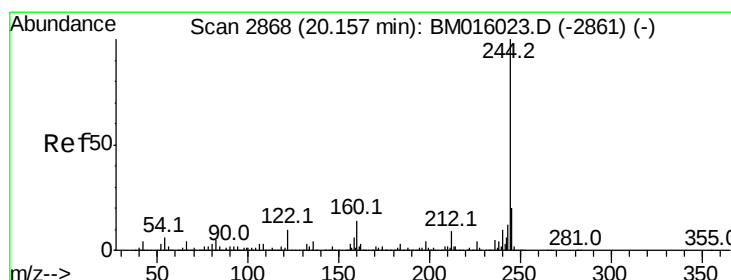
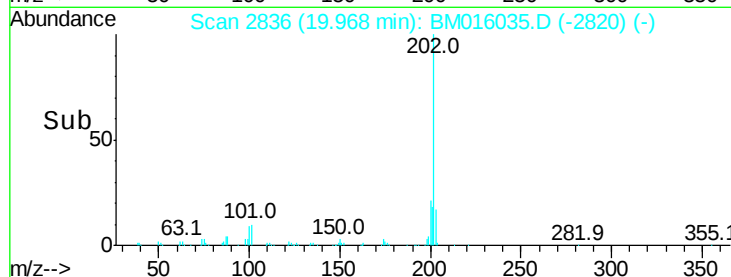
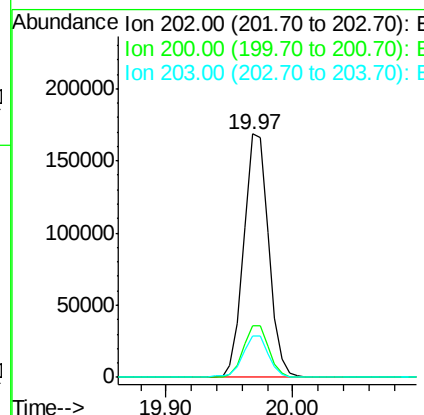
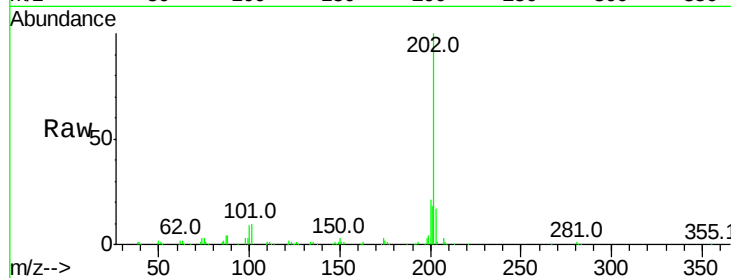




#77
Pvrene
Concen: 19.652 ng
RT: 19.97 min Scan# 2836
Delta R.T. -0.01 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

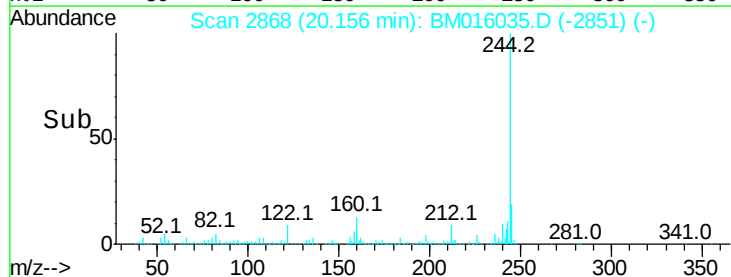
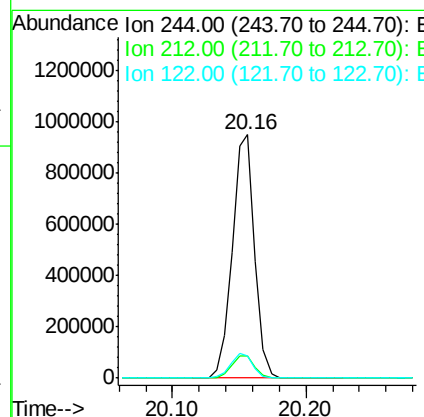
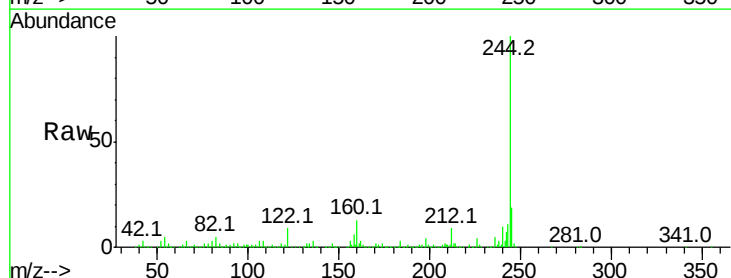
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

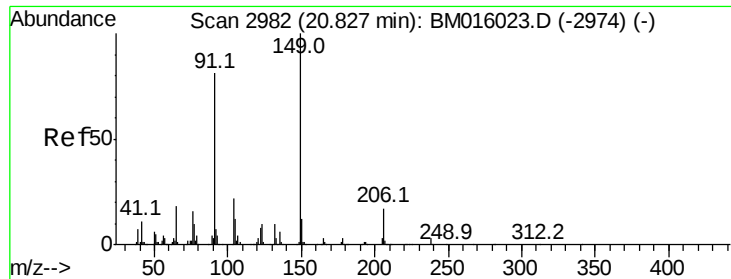
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	17.1	14.1	21.1



#78
Terphenyl-d14
Concen: 19.652 ng
RT: 20.16 min Scan# 2868
Delta R.T. -0.00 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.3	4.9	7.3#
122	9.0	6.2	9.4

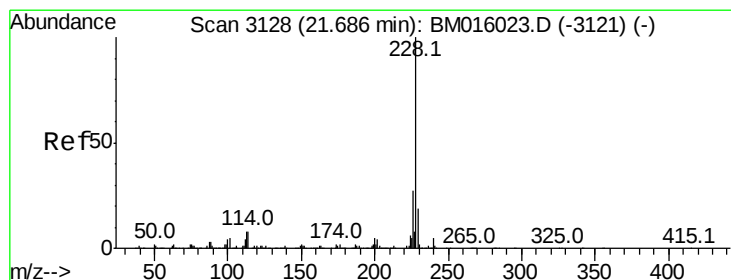
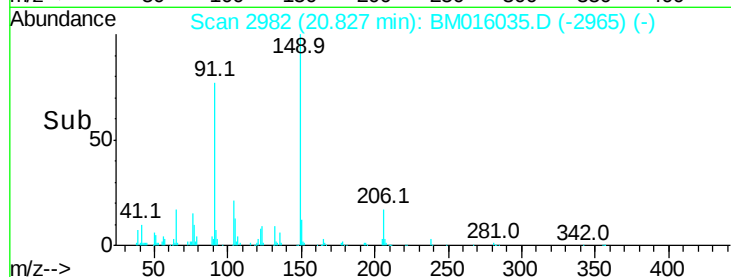
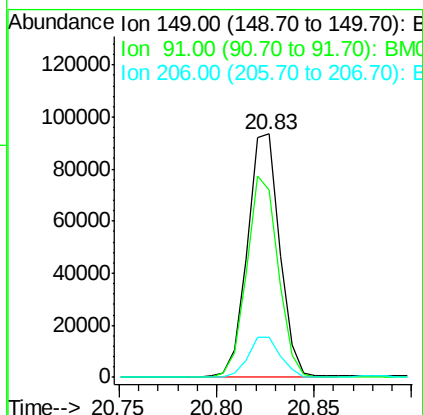
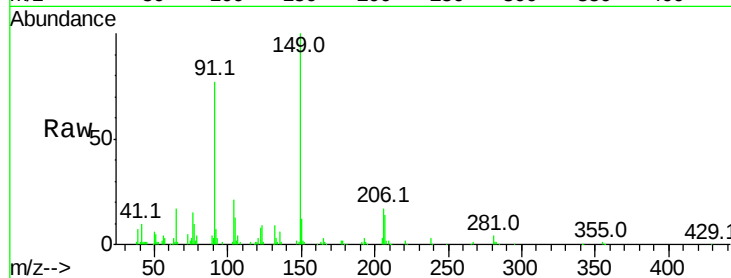




#79
Butylbenzylphthalate
Concen: 18.239 ng
RT: 20.83 min Scan# 2982
Delta R.T. -0.00 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

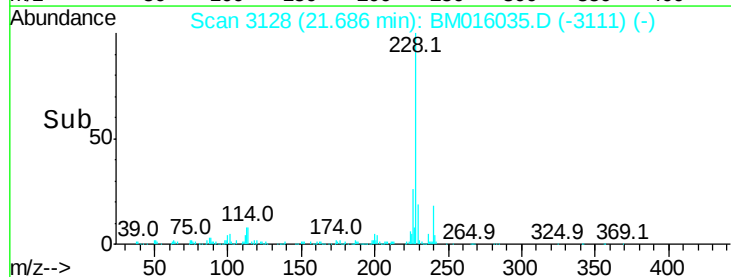
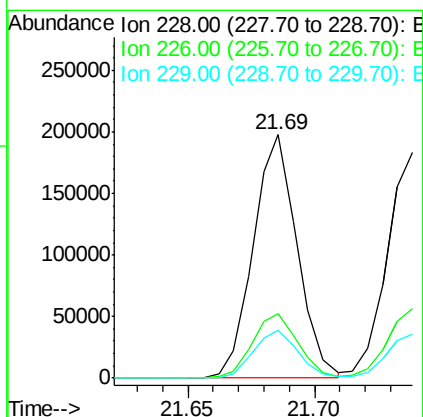
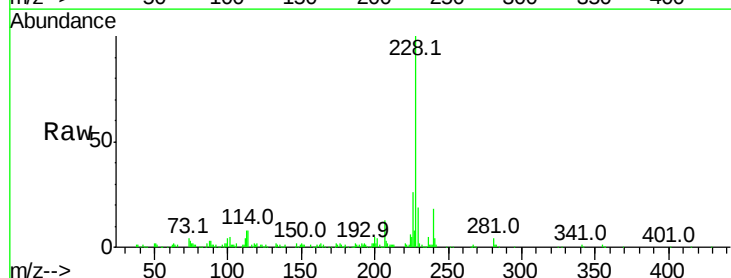
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

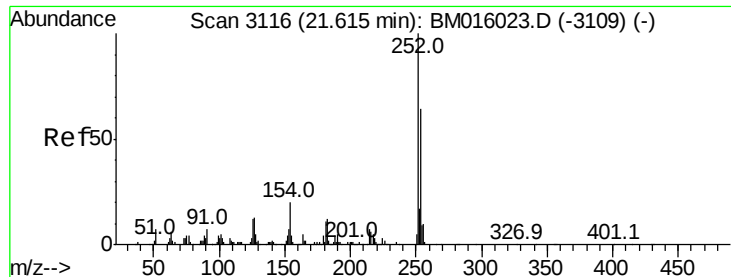
Tot Ion:149 Resp: 107928
Ion Ratio Lower Upper
149 100
91 76.9 50.1 75.1#
206 16.7 16.2 24.2



#80
Benzo(a)anthracene
Concen: 19.897 ng
RT: 21.69 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BM016035.D
Acq: 23 Jul 2018 20:51

Tgt Ion:228 Resp: 238198
Ion Ratio Lower Upper
228 100
226 26.3 21.7 32.5
229 19.5 16.0 24.0

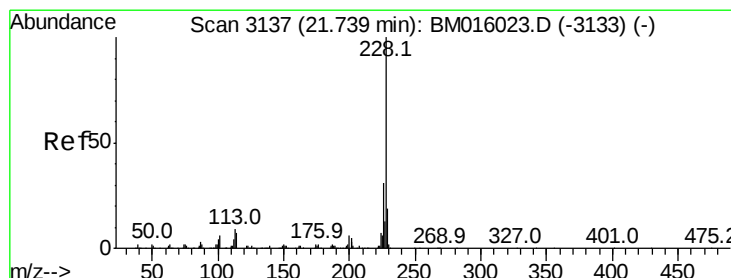
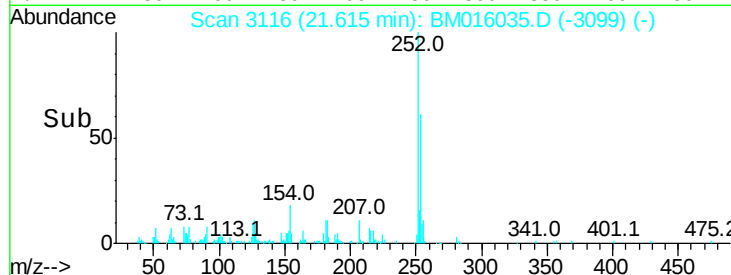
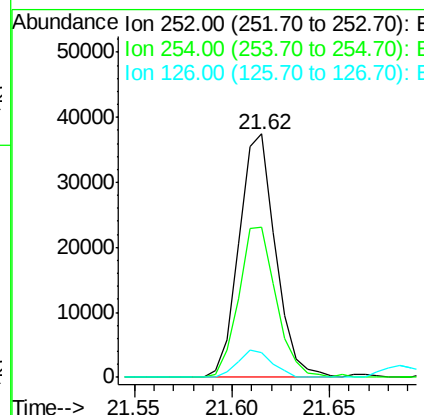
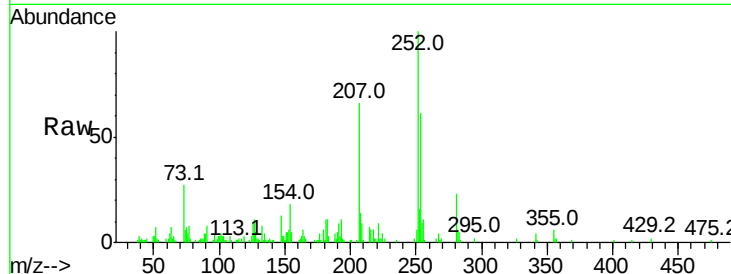




#81
 3,3'-Dichlorobenzidine
 Concen: 10.071 ng
 RT: 21.62 min Scan# 3116
 Delta R.T. -0.00 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

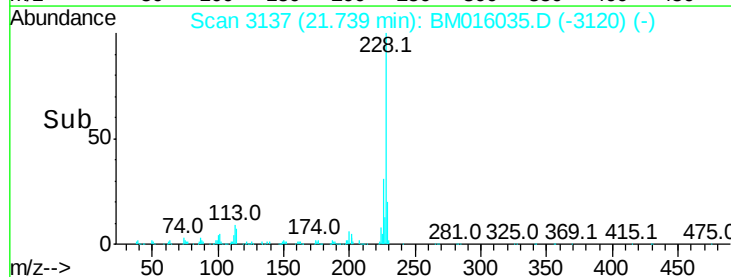
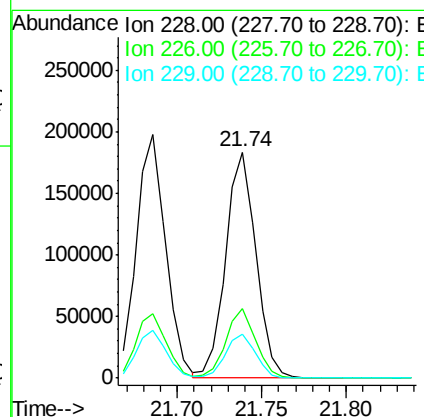
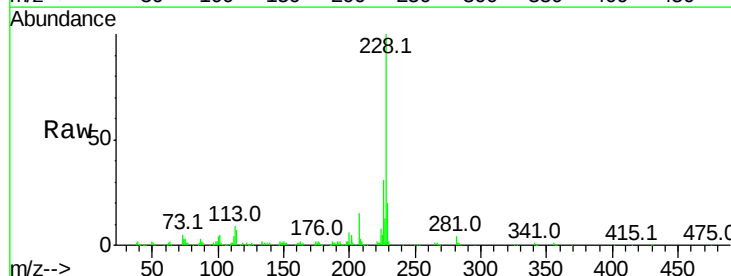
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

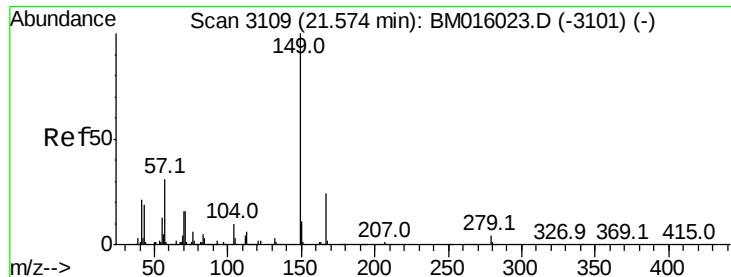
Tot Ion	Ratio	Lower	Upper
252	100		
254	61.5	51.9	77.9
126	10.1	9.8	14.8



#82
 Chrysene
 Concen: 19.953 ng
 RT: 21.74 min Scan# 3137
 Delta R.T. -0.00 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.1	36.1
229	19.5	15.5	23.3

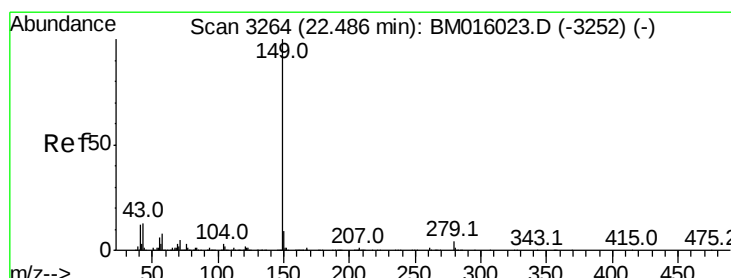
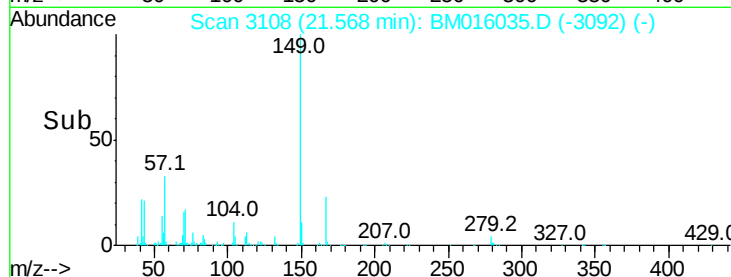
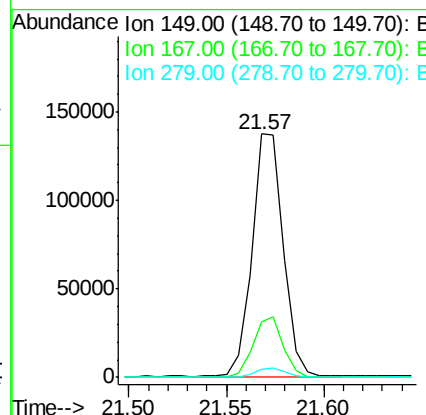
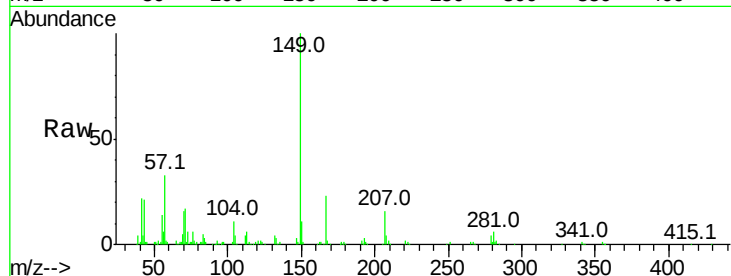




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 17.587 ng
 RT: 21.57 min Scan# 3108
 Delta R.T. -0.01 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

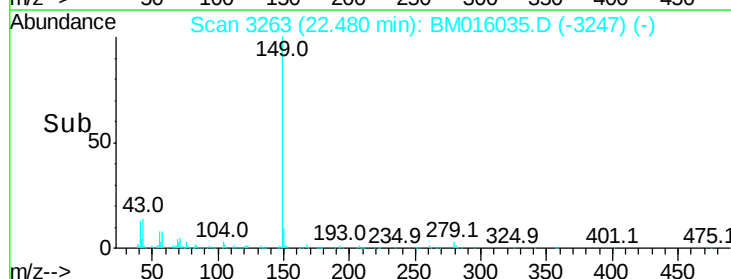
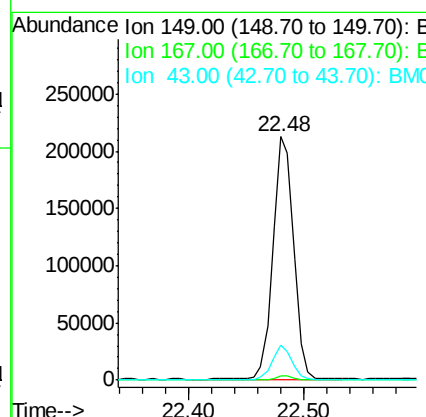
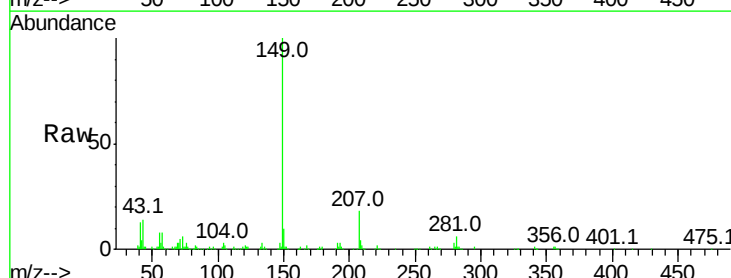
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

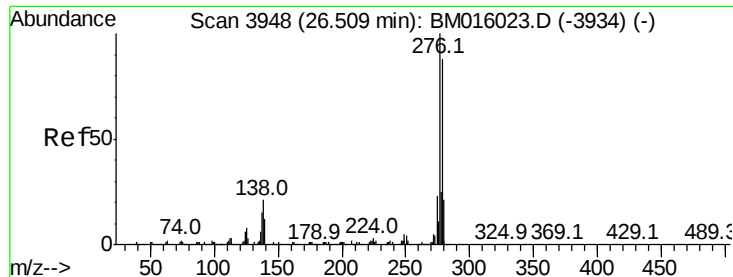
Tot Ion:149 Resp: 150825
 Ion Ratio Lower Upper
 149 100
 167 23.0 22.4 33.6
 279 3.6 3.4 5.0



#84
 Di-n-octyl phthalate
 Concen: 18.349 ng
 RT: 22.48 min Scan# 3263
 Delta R.T. -0.01 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

Tgt Ion:149 Resp: 264474
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 13.7 7.3 10.9#

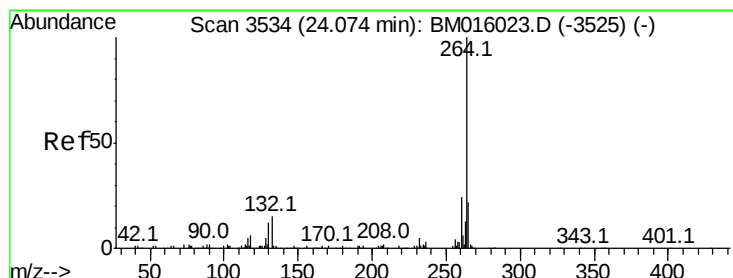
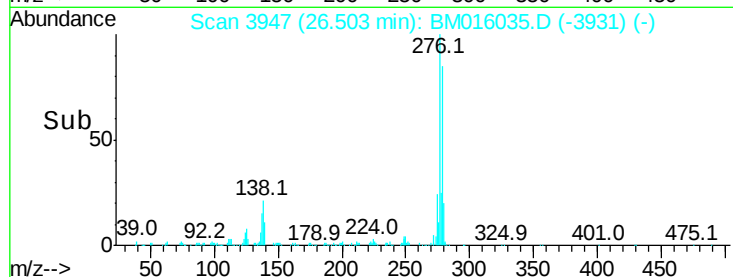
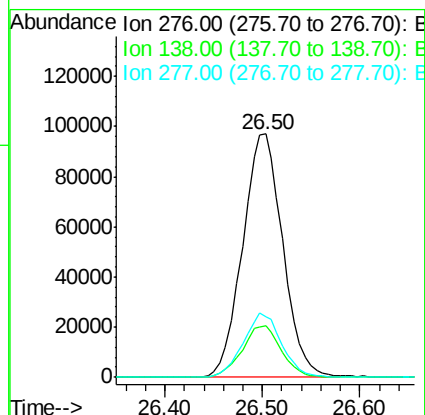
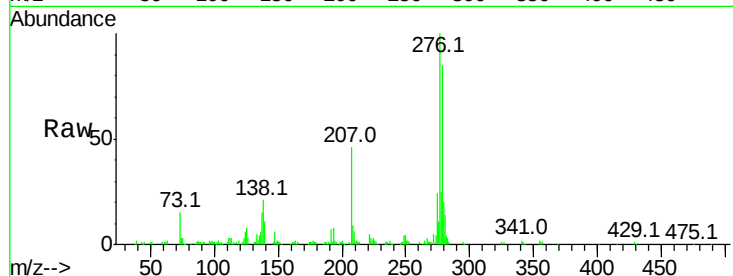




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 20.510 ng
 RT: 26.50 min Scan# 3947
 Delta R.T. -0.01 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

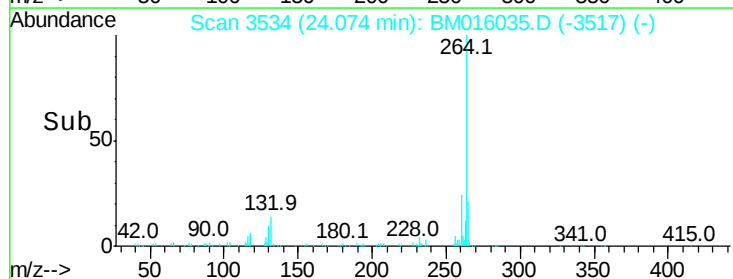
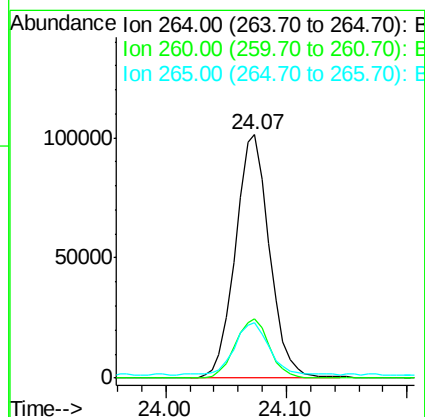
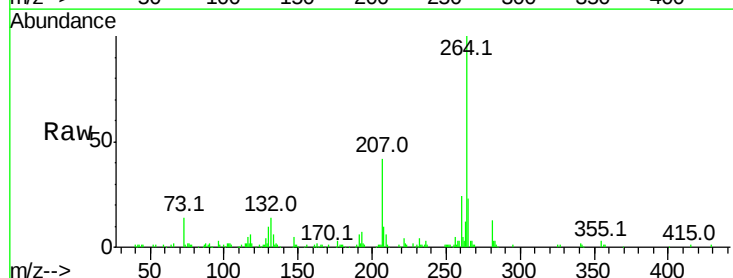
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

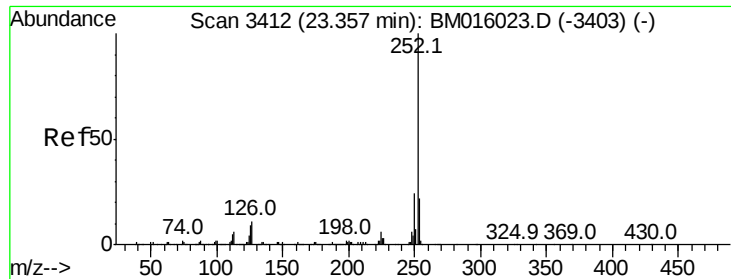
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	12.0	18.0#
277	25.4	20.0	30.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.07 min Scan# 3534
 Delta R.T. -0.00 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.6	27.8
265	22.5	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 20.546 ng

RT: 23.35 min Scan# 3411

Delta R.T. -0.01 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

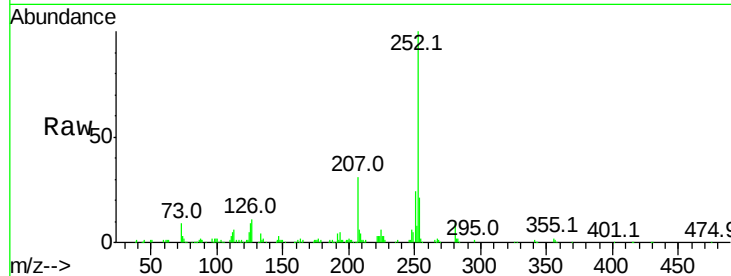
Tot Ion:252 Resp: 241442

Ion Ratio Lower Upper

252 100

253 21.3 18.0 27.0

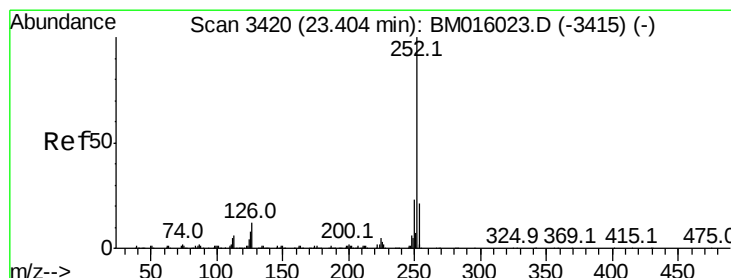
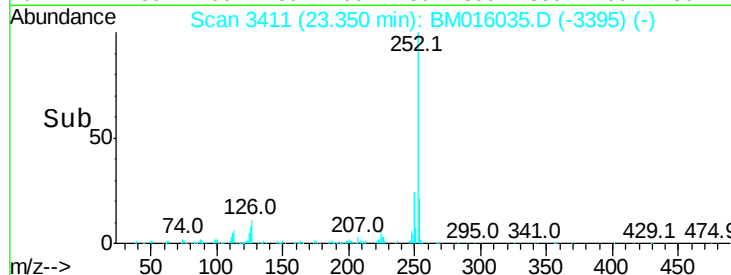
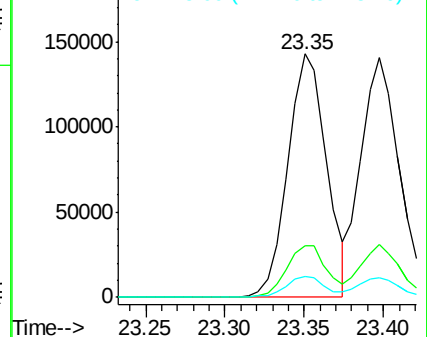
125 8.7 9.9 14.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 19.827 ng

RT: 23.40 min Scan# 3419

Delta R.T. -0.01 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

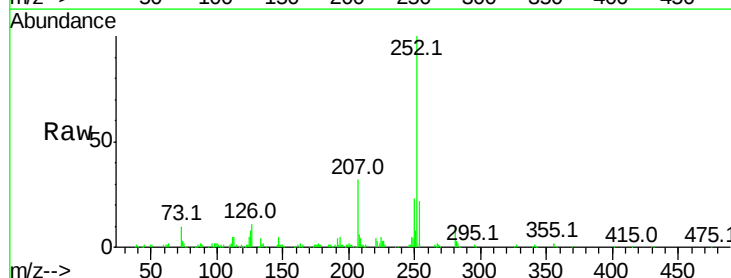
Tgt Ion:252 Resp: 236134

Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

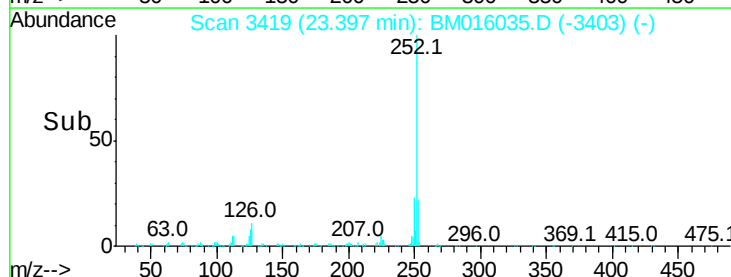
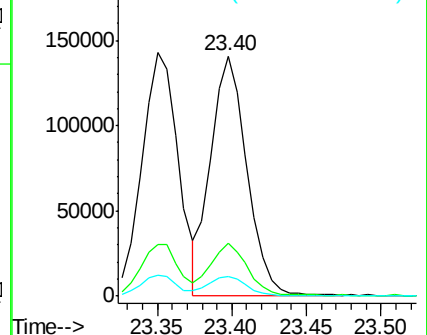
125 8.2 8.1 12.1

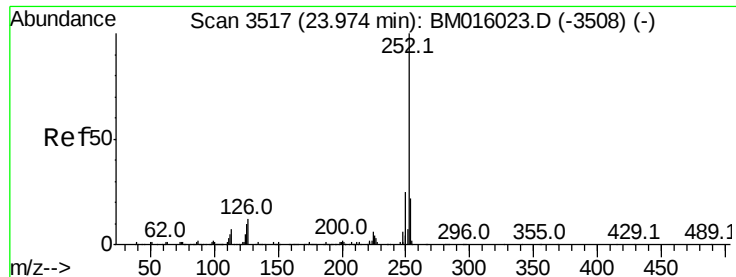


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 20.634 ng

RT: 23.97 min Scan# 3516

Delta R.T. -0.01 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

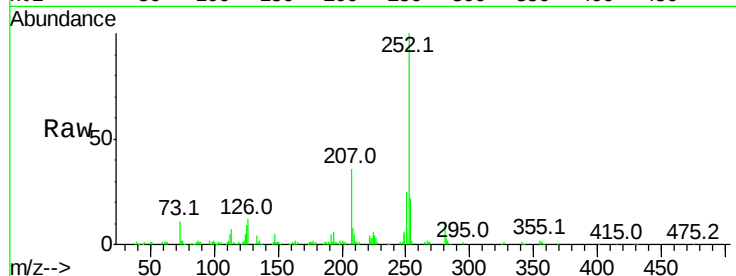
Tot Ion:252 Resp: 233110

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

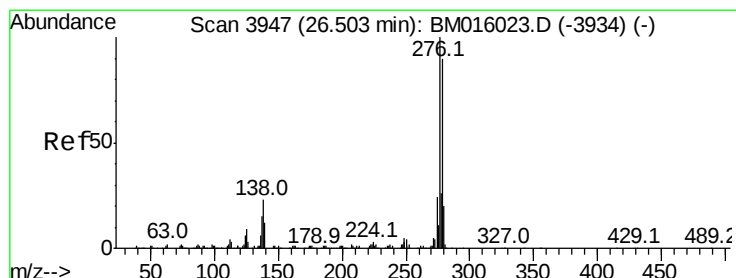
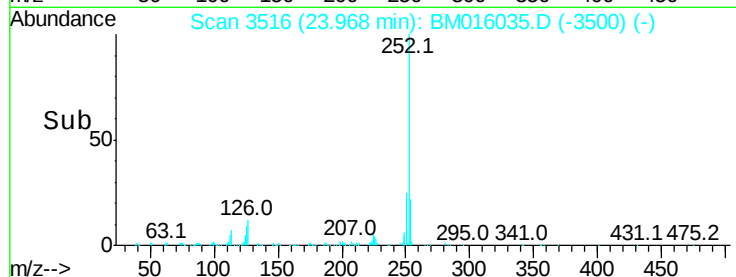
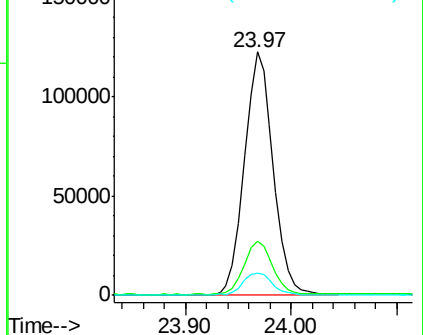
125 9.2 7.4 11.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 20.155 ng

RT: 26.50 min Scan# 3947

Delta R.T. -0.00 min

Lab File: BM016035.D

Acq: 23 Jul 2018 20:51

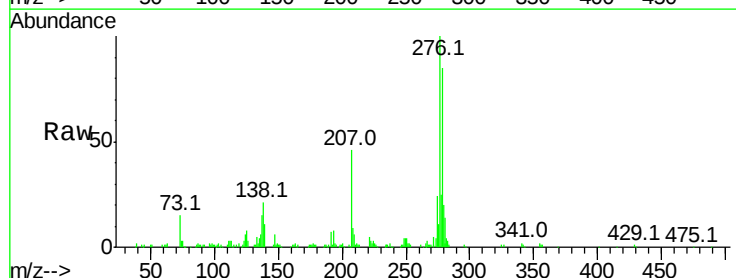
Tgt Ion:278 Resp: 235904

Ion Ratio Lower Upper

278 100

139 12.6 13.4 20.0#

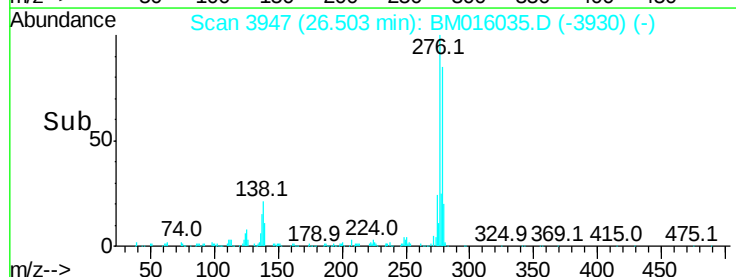
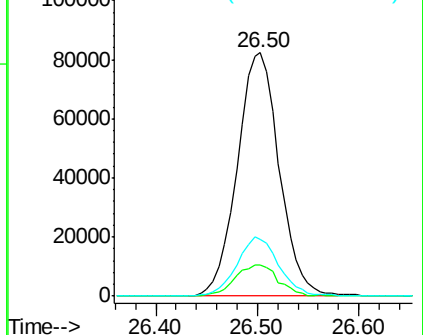
279 23.3 19.0 28.4

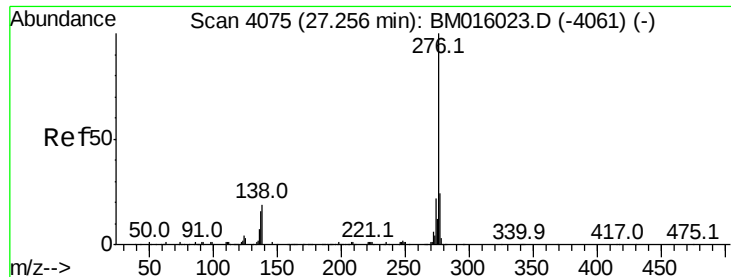


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 20.504 ng
 RT: 27.25 min Scan# 4074
 Delta R.T. -0.01 min
 Lab File: BM016035.D
 Acq: 23 Jul 2018 20:51

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.5	27.7
138	18.7	19.0	28.6

