

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM072418\
 Data File : BM016067.D
 Acq On : 24 Jul 2018 22:09
 Operator : SJ/JU
 Sample : J3762-02
 Misc : LOQ 20 PPM
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Jul 25 05:36:43 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	8.22	152	41225	20.00	ng	-0.01
21) Naphthalene-d8	11.05	136	171265	20.00	ng	-0.01
38) Acenaphthene-d10	14.85	164	86517	20.00	ng	0.00
63) Phenanthrene-d10	17.58	188	184888	20.00	ng	0.00
75) Chrysene-d12	21.70	240	190946	20.00	ng	0.00
86) Perylene-d12	24.07	264	197588	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.74	112	332953	134.16	ng	0.00
7) Phenol-d6	7.38	99	406802	125.52	ng	0.00
23) Nitrobenzene-d5	9.41	82	311152	84.50	ng	0.00
41) 2,4,6-Tribromophenol	16.33	330	141916	129.33	ng	0.00
44) 2-Fluorobiphenyl	13.47	172	616849	86.75	ng	0.00
78) Terphenyl-d14	20.15	244	855792	93.82	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.52	88	21578	18.557	ng	# 100
3) Pyridine	3.96	79	51353	18.333	ng	# 73
4) n-Nitrosodimethylamine	3.87	42	46063	21.083	ng	# 33
6) Aniline	7.55	93	53805	14.418	ng	# 89
8) 2-Chlorophenol	7.78	128	59483	20.167	ng	93
9) Benzaldehyde	7.37	77	48805	21.433	ng	90
10) Phenol	7.41	94	62532	19.295	ng	96
11) bis(2-Chloroethyl)ether	7.65	93	45721	17.858	ng	87
12) 1,3-Dichlorobenzene	8.11	146	65839	19.070	ng	# 89
13) 1,4-Dichlorobenzene	8.26	146	66709	19.051	ng	# 93
14) 1,2-Dichlorobenzene	8.58	146	64025	18.687	ng	# 94
15) Benzyl Alcohol	8.48	79	47151	18.271	ng	86
16) 2,2'-oxybis(1-Chloropropan	8.75	45	75049	19.153	ng	99
17) 2-Methylphenol	8.67	107	44663	20.163	ng	# 84
18) Hexachloroethane	9.30	117	29311	19.365	ng	96
19) n-Nitroso-di-n-propylamine	9.04	70	42275	17.846	ng	# 79
20) 3+4-Methylphenols	9.01	107	58018	18.205	ng	92
22) Acetophenone	9.07	105	83163	19.284	ng	# 88
24) Nitrobenzene	9.46	77	71211	19.213	ng	# 96
25) Isophorone	9.97	82	107693	21.382	ng	93
26) 2-Nitrophenol	10.17	139	26222	16.948	ng	# 53
27) 2,4-Dimethylphenol	10.22	122	47621	22.092	ng	# 85
28) bis(2-Chloroethoxy)methane	10.45	93	64617	19.739	ng	98
29) 2,4-Dichlorophenol	10.70	162	49288	19.242	ng	98
30) 1,2,4-Trichlorobenzene	10.90	180	56524	18.162	ng	# 96
31) Naphthalene	11.10	128	172862	19.943	ng	100
32) Benzoic acid	10.33	122	27067	16.472	ng	91
33) 4-Chloroaniline	11.22	127	47389	13.398	ng	# 86
34) Hexachlorobutadiene	11.35	225	39113	18.118	ng	95
35) Caprolactam	12.01	113	11201	15.788	ng	95
36) 4-Chloro-3-methylphenol	12.33	107	49379	17.527	ng	# 82
37) 2-Methylnaphthalene	12.69	142	119106	20.513	ng	# 91
39) 1,2,4,5-Tetrachlorobenzene	13.05	216	57959	19.677	ng	# 100
40) Hexachlorocyclopentadiene	13.02	237	24464	22.971	ng	97

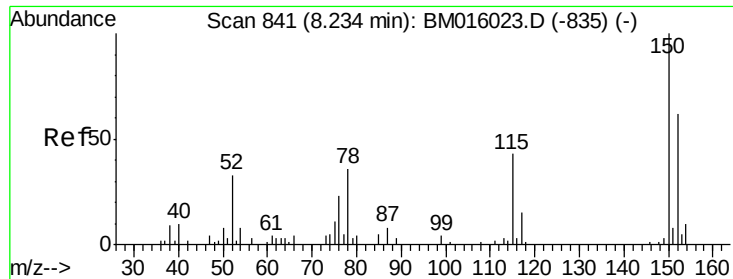
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM072418\
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 QLast Update : Mon Jul 23 16:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.30	196	34838	18.905	ng	96
43) 2,4,5-Trichlorophenol	13.37	196	35689	18.775	ng	# 81
45) 1,1'-Biphenyl	13.69	154	145225	18.600	ng	97
46) 2-Chloronaphthalene	13.74	162	114393	18.837	ng	# 90
47) 2-Nitroaniline	13.96	65	34292	17.080	ng	# 77
48) Acenaphthylene	14.57	152	181723	20.441	ng	98
49) Dimethylphthalate	14.30	163	143825	18.995	ng	99
50) 2,6-Dinitrotoluene	14.44	165	29051	19.069	ng	# 68
51) Acenaphthene	14.92	154	105491	19.294	ng	95
52) 3-Nitroaniline	14.78	138	23340	14.184	ng	88
53) 2,4-Dinitrophenol	15.00	184	8756	18.480	ng	# 68
54) Dibenzofuran	15.24	168	171059	18.985	ng	# 79
55) 4-Nitrophenol	15.09	139	18154	15.390	ng	# 80
56) 2,4-Dinitrotoluene	15.23	165	39239	18.014	ng	# 88
57) Fluorene	15.89	166	135845	20.289	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.47	232	32348	19.798	ng	# 100
59) Diethylphthalate	15.64	149	158818	19.461	ng	94
60) 4-Chlorophenyl-phenylether	15.87	204	69777	18.721	ng	# 80
61) 4-Nitroaniline	15.93	138	24154	15.299	ng	# 9
62) Azobenzene	16.17	77	171431	19.946	ng	77
64) 4,6-Dinitro-2-methylphenol	15.99	198	18063	16.096	ng	# 80
65) n-Nitrosodiphenylamine	16.09	169	117930	19.371	ng	98
66) 4-Bromophenyl-phenylether	16.76	248	37929	18.117	ng	# 64
67) Hexachlorobenzene	16.89	284	41721	18.096	ng	# 65
68) Atrazine	17.03	200	41650	19.088	ng	96
69) Pentachlorophenol	17.23	266	18410	12.895	ng	97
70) Phenanthrene	17.62	178	206835	19.982	ng	99
71) Anthracene	17.72	178	207457	20.621	ng	98
72) Carbazole	17.99	167	185748	17.822	ng	96
73) Di-n-butylphthalate	18.50	149	236426	18.205	ng	# 97
74) Fluoranthene	19.61	202	227941	19.741	ng	98
76) Benzidine	19.79	184	65558	12.286	ng	98
77) Pyrene	19.97	202	232902	20.354	ng	99
79) Butylbenzylphthalate	20.82	149	110283	18.972	ng	# 81
80) Benzo(a)anthracene	21.68	228	240230	20.427	ng	99
81) 3,3'-Dichlorobenzidine	21.61	252	54112	11.423	ng	99
82) Chrysene	21.73	228	223284	19.792	ng	100
83) Bis(2-ethylhexyl)phthalate	21.57	149	156205	18.542	ng	93
84) Di-n-octyl phthalate	22.48	149	270479	19.103	ng	# 88
85) Indeno(1,2,3-cd)pyrene	26.49	276	278103	20.774	ng	# 94
87) Benzo(b)fluoranthene	23.34	252	237896	20.449	ng	# 97
88) Benzo(k)fluoranthene	23.39	252	234483	19.888	ng	98
89) Benzo(a)pyrene	23.96	252	229752	20.543	ng	99
90) Dibenzo(a,h)anthracene	26.49	278	236456	20.407	ng	96
91) Benzo(g,h,i)perylene	27.24	276	229851	20.973	ng	# 93

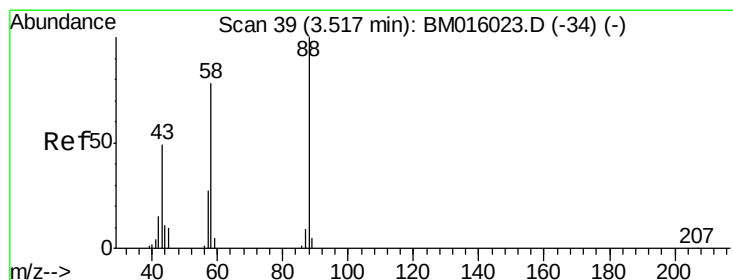
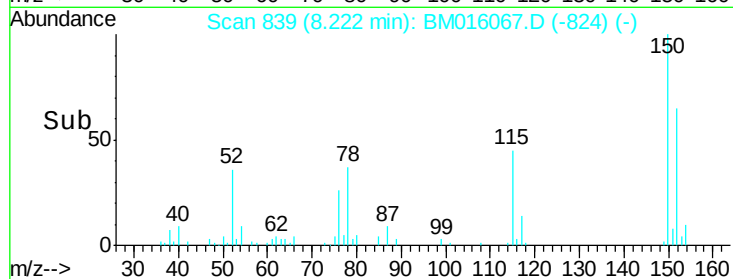
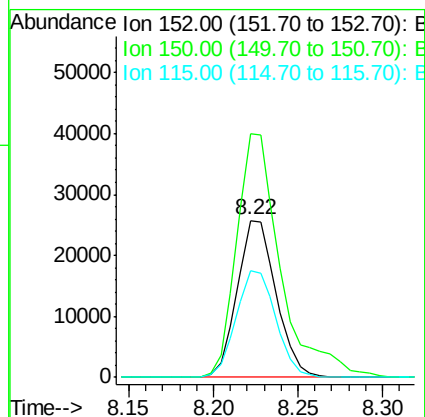
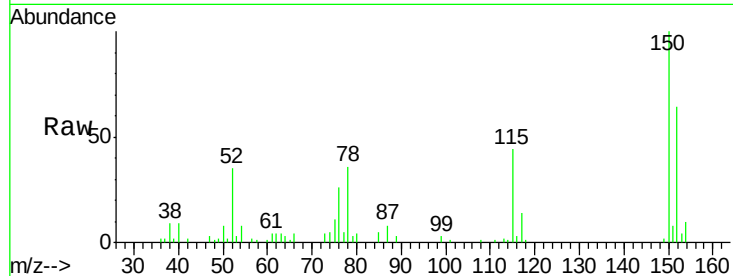
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.22 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

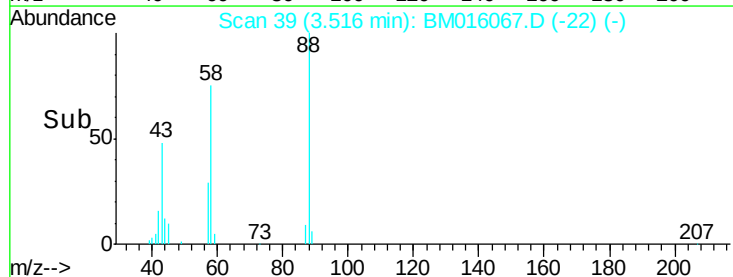
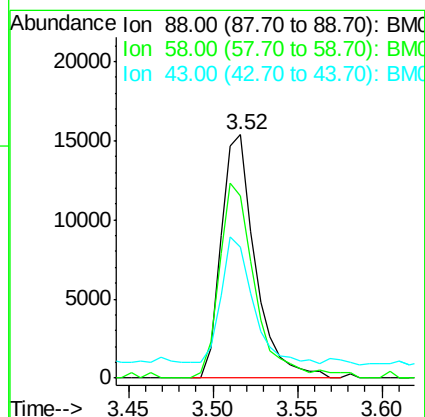
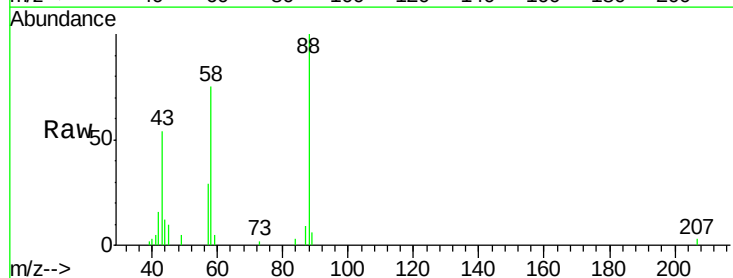
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

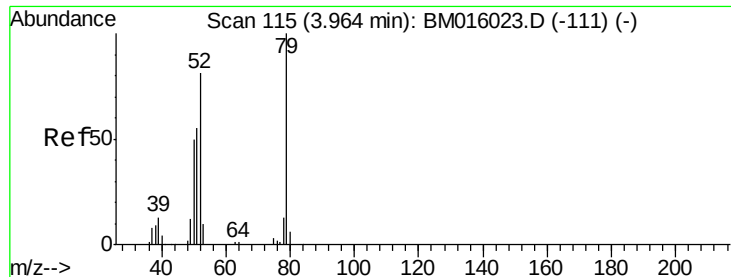
Tgt Ion:152 Resp: 41225
 Ion Ratio Lower Upper
 152 100
 150 155.4 119.5 179.3
 115 68.3 43.0 64.4#



#2
 1,4-Dioxane
 Concen: 18.557 ng
 RT: 3.52 min Scan# 39
 Delta R.T. -0.00 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

Tgt Ion: 88 Resp: 21578
 Ion Ratio Lower Upper
 88 100
 58 84.6 0.0 0.0#
 43 49.1 0.0 0.0#





#3

Pyridine

Concen: 18.333 ng

RT: 3.96 min Scan# 115

Delta R.T. -0.00 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

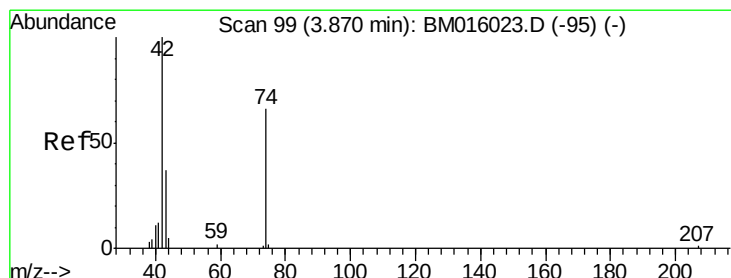
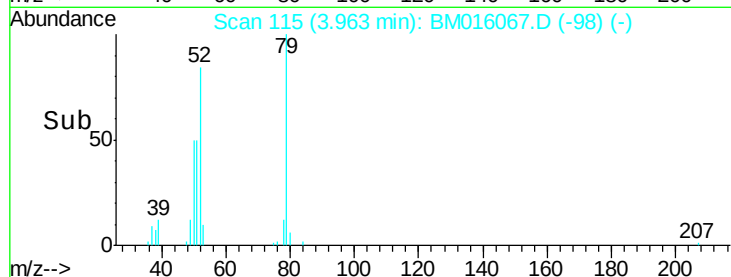
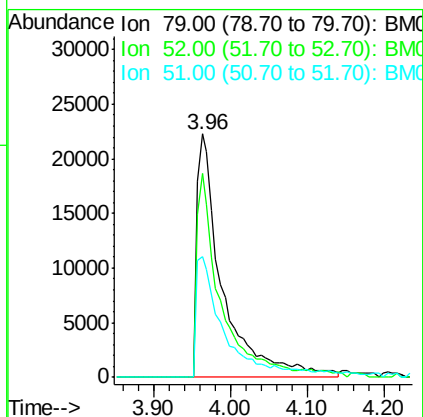
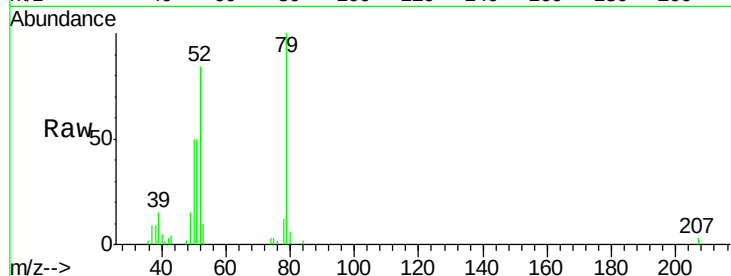
Tgt Ion: 79 Resp: 51353

Ion Ratio Lower Upper

79 100

52 83.5 51.1 76.7#

51 49.9 26.1 39.1#



#4

n-Nitrosodimethylamine

Concen: 21.083 ng

RT: 3.87 min Scan# 99

Delta R.T. -0.00 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

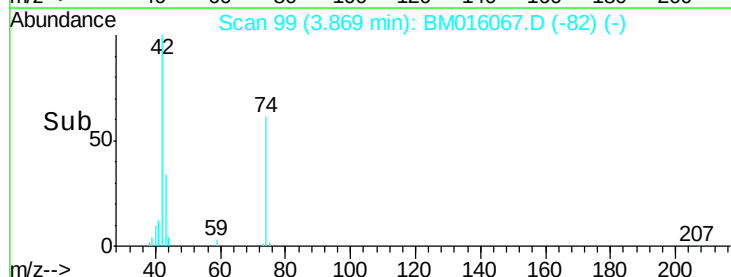
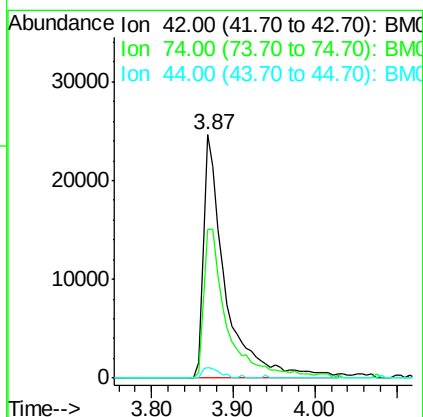
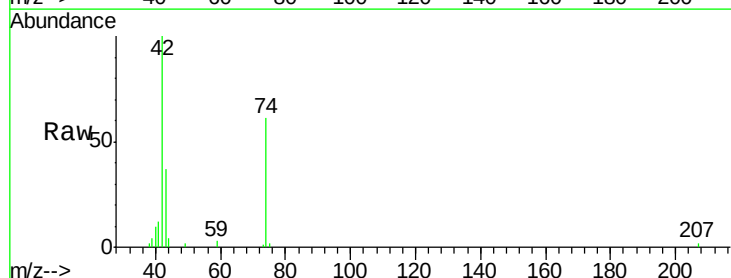
Tgt Ion: 42 Resp: 46063

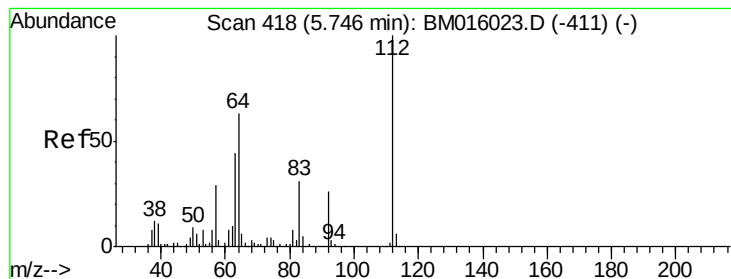
Ion Ratio Lower Upper

42 100

74 61.1 119.3 178.9#

44 4.5 5.4 8.2#





#5

2-Fluorophenol

Concen: 21.083 ng

RT: 5.74 min Scan# 417

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

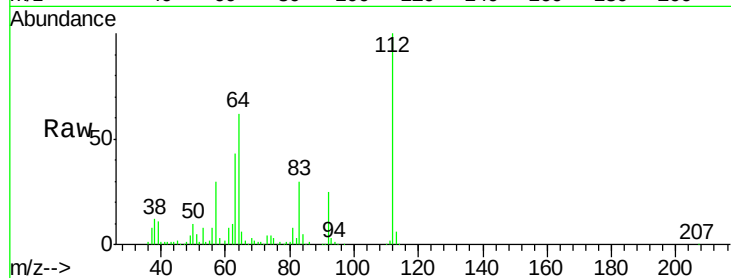
Tgt Ion: 112 Resp: 332953

Ion Ratio Lower Upper

112 100

64 61.5 38.6 57.8#

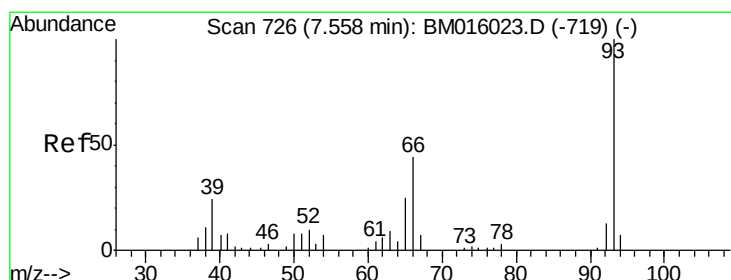
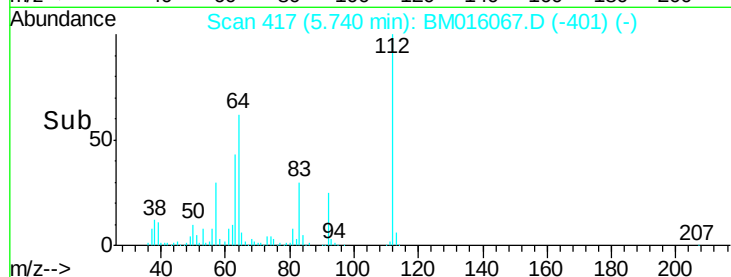
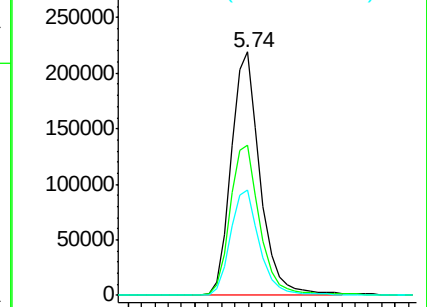
63 43.5 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#6

Aniline

Concen: 14.418 ng

RT: 7.55 min Scan# 725

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

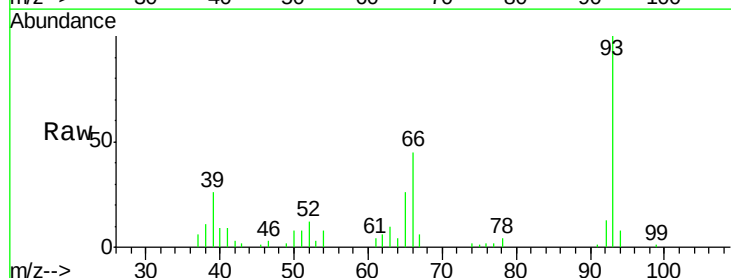
Tgt Ion: 93 Resp: 53805

Ion Ratio Lower Upper

93 100

66 44.7 30.8 46.2

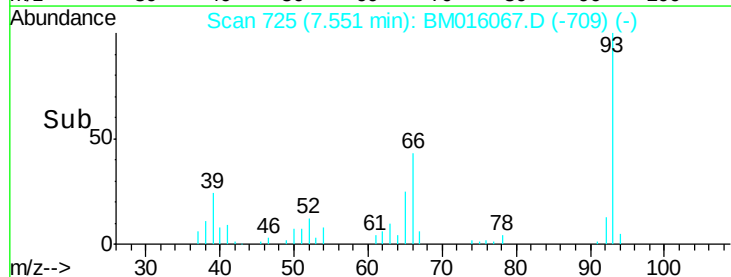
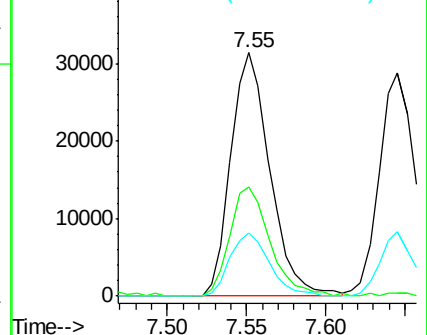
65 25.9 16.0 24.0#

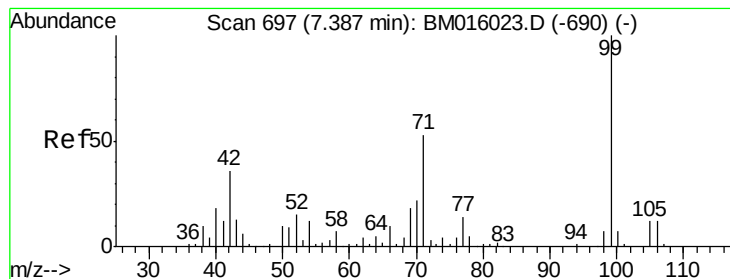


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0





#7

Phenol-d6

Concen: 14.418 ng

RT: 7.38 min Scan# 696

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

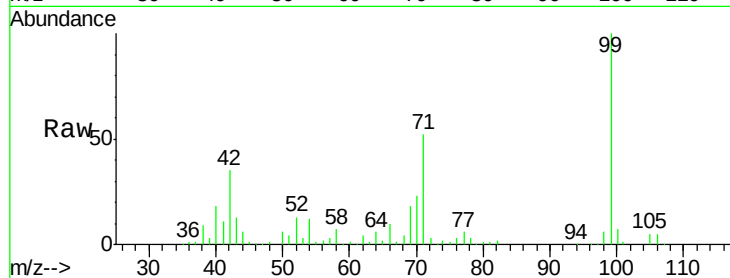
Tgt Ion: 99 Resp: 406802

Ion Ratio Lower Upper

99 100

42 35.4 11.0 16.4#

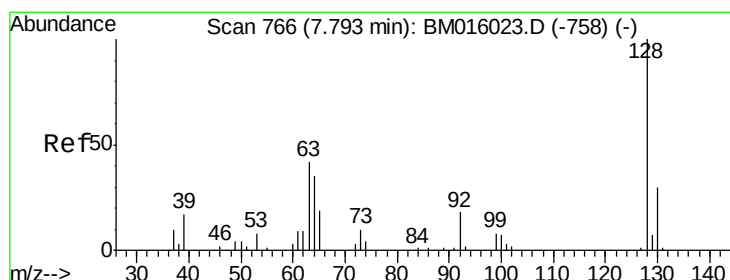
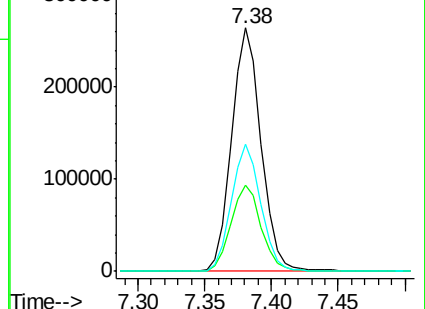
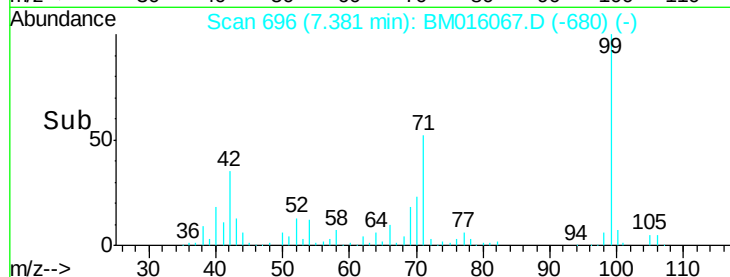
71 52.4 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016023.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016023.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016023.D (-690) (-)



#8

2-Chlorophenol

Concen: 20.167 ng

RT: 7.78 min Scan# 764

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

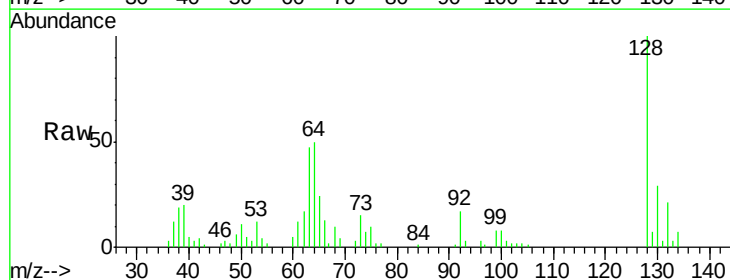
Tgt Ion: 128 Resp: 59483

Ion Ratio Lower Upper

128 100

130 29.3 12.0 52.0

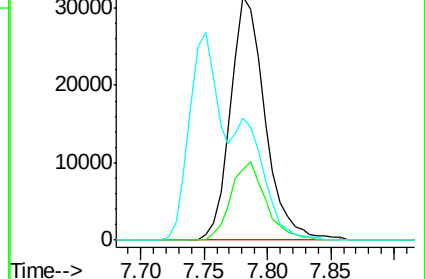
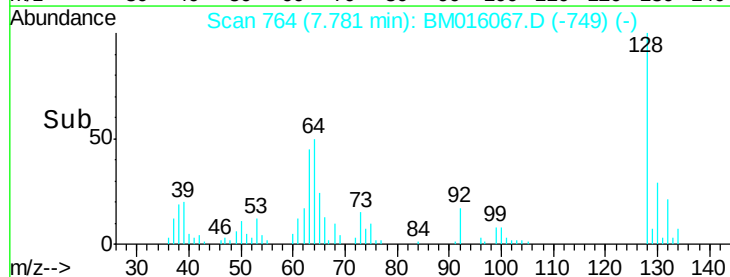
64 50.1 24.9 64.9

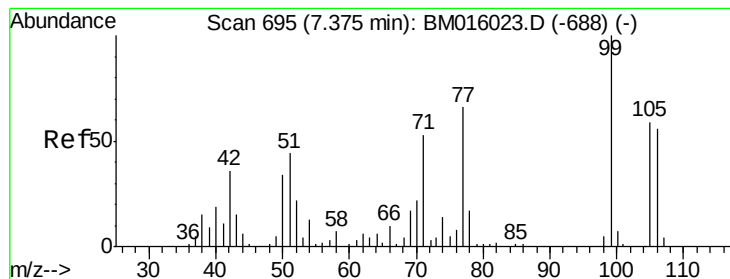


Abundance Ion 128.00 (127.70 to 128.70): BM016023.D (-758) (-)

Ion 130.00 (129.70 to 130.70): BM016023.D (-758) (-)

Ion 64.00 (63.70 to 64.70): BM016023.D (-758) (-)





#9

Benzaldehyde

Concen: 21.433 ng

RT: 7.37 min Scan# 694

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

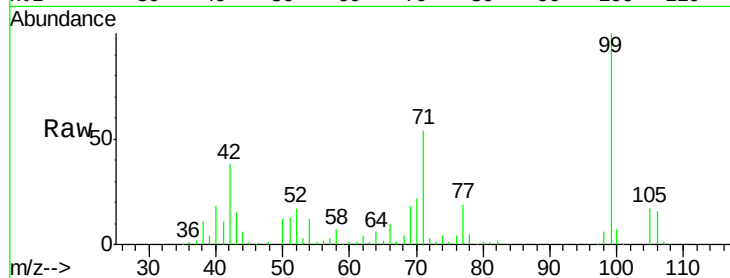
Tgt Ion: 77 Resp: 48805

Ion Ratio Lower Upper

77 100

105 88.2 78.8 118.8

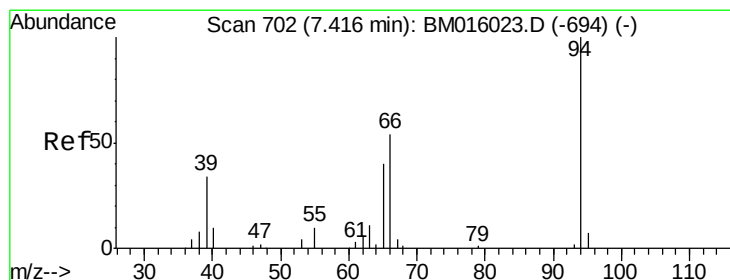
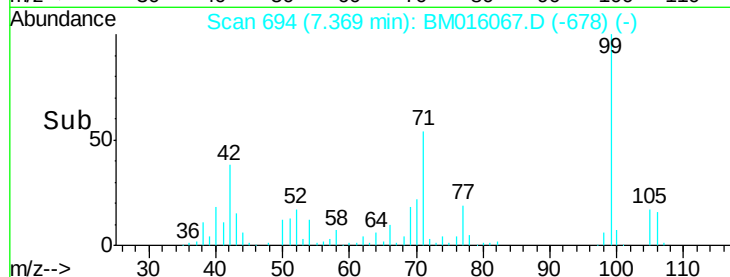
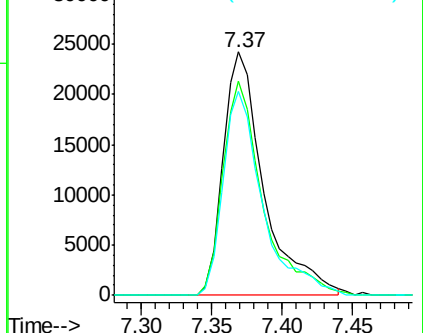
106 83.8 73.7 113.7



Abundance Ion 77.00 (76.70 to 77.70): BM016067.D (-678) (-)

Ion 105.00 (104.70 to 105.70): BM016067.D (-678) (-)

Ion 106.00 (105.70 to 106.70): BM016067.D (-678) (-)



#10

Phenol

Concen: 19.295 ng

RT: 7.41 min Scan# 701

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

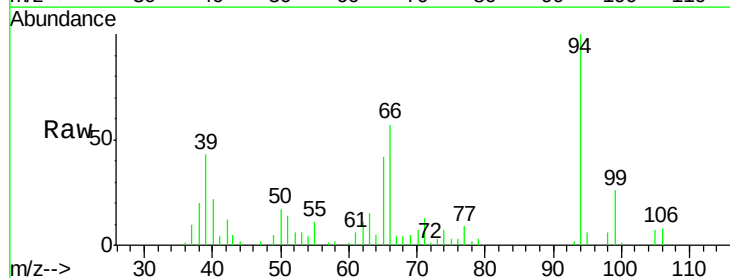
Tgt Ion: 94 Resp: 62532

Ion Ratio Lower Upper

94 100

65 41.7 18.8 58.8

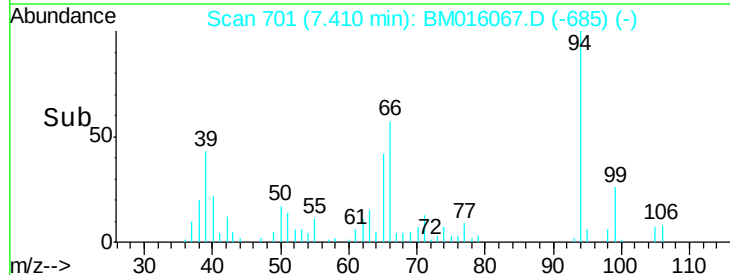
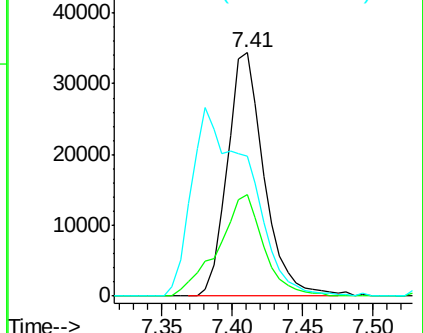
66 57.5 39.9 79.9

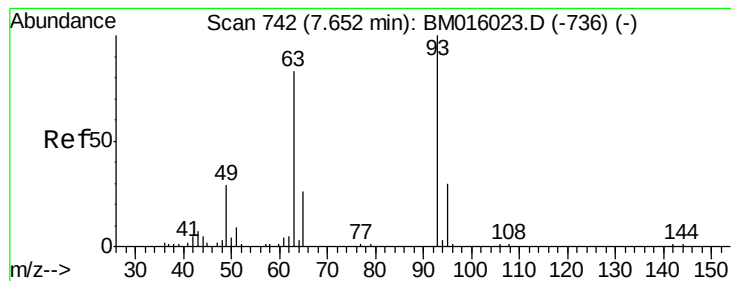


Abundance Ion 94.00 (93.70 to 94.70): BM016067.D (-685) (-)

Ion 65.00 (64.70 to 65.70): BM016067.D (-685) (-)

Ion 66.00 (65.70 to 66.70): BM016067.D (-685) (-)

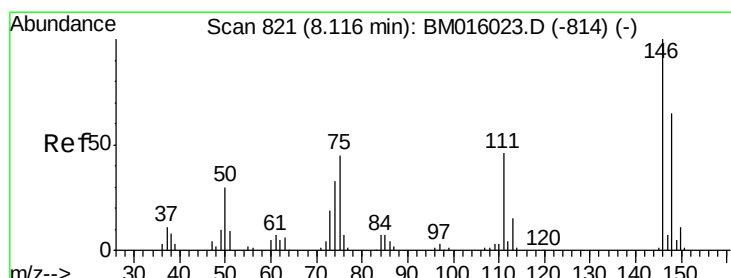
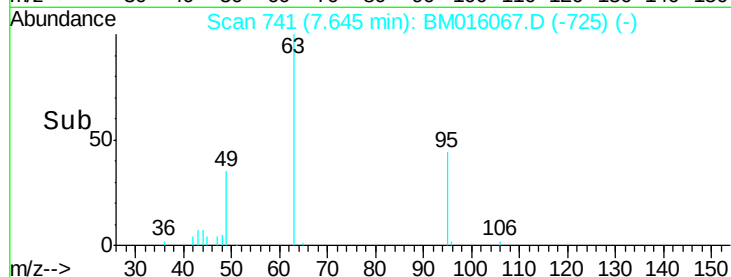
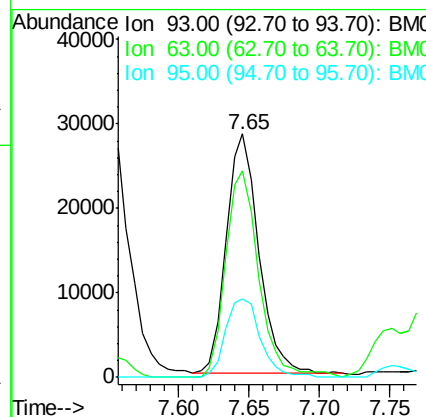
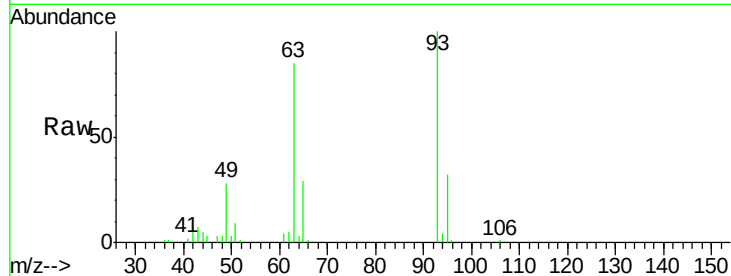




#11
 bis(2-Chloroethyl)ether
 Concen: 17.858 ng
 RT: 7.65 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

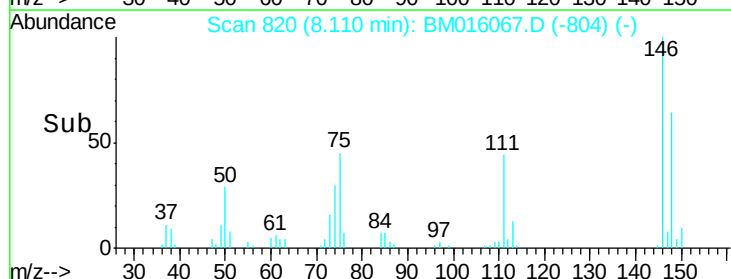
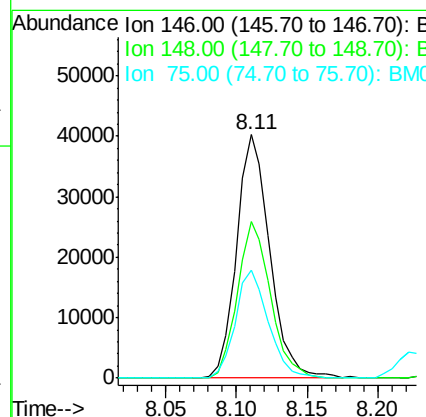
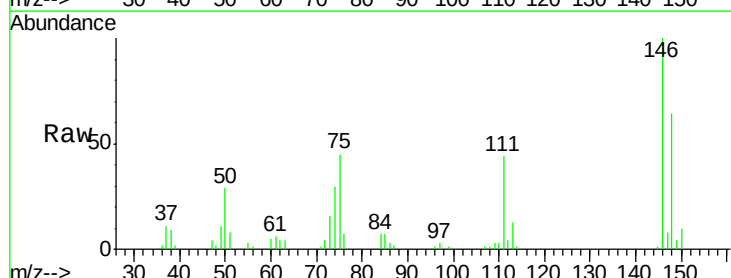
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

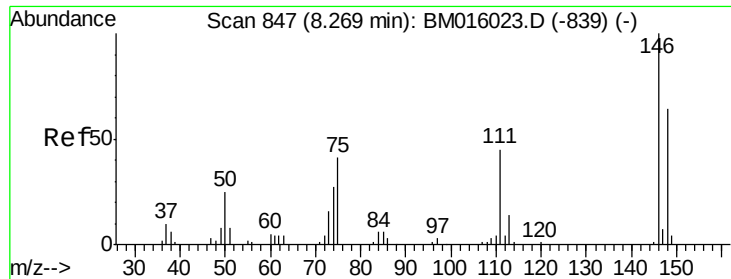
Tgt Ion: 93 Resp: 45721
 Ion Ratio Lower Upper
 93 100
 63 84.9 49.5 89.5
 95 32.3 13.5 53.5



#12
 1,3-Dichlorobenzene
 Concen: 19.070 ng
 RT: 8.11 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

Tgt Ion: 146 Resp: 65839
 Ion Ratio Lower Upper
 146 100
 148 64.3 50.9 76.3
 75 44.6 21.4 32.2#

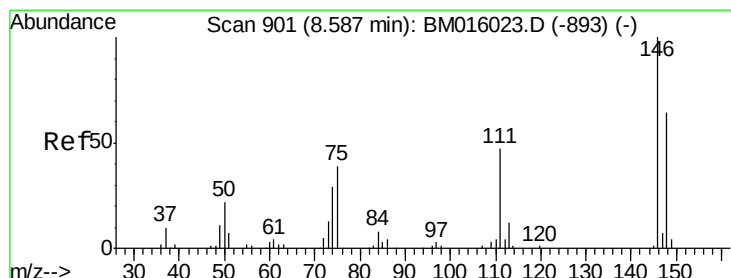
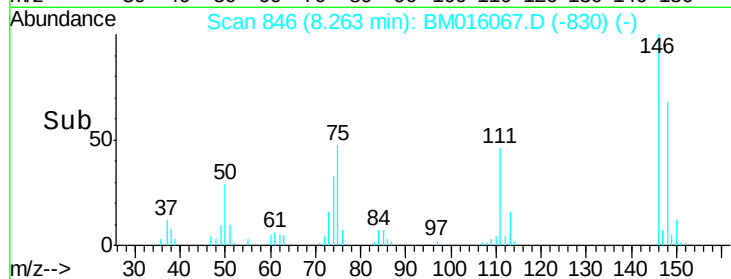
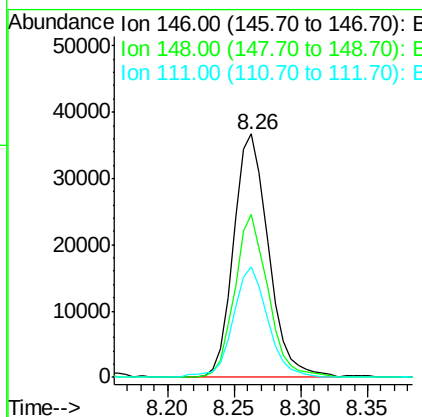
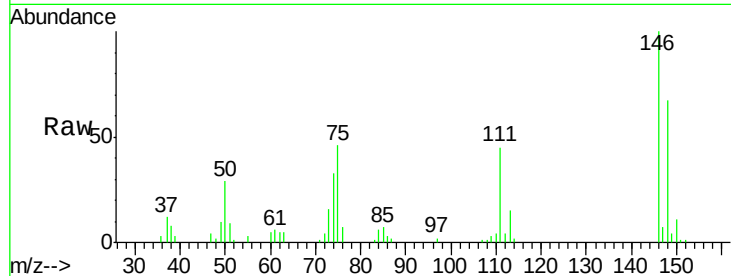




#13
 1,4-Dichlorobenzene
 Concen: 19.051 ng
 RT: 8.26 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

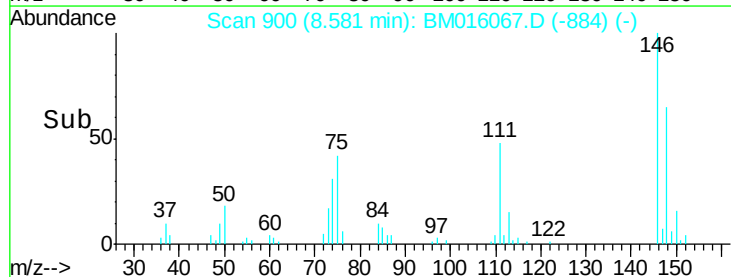
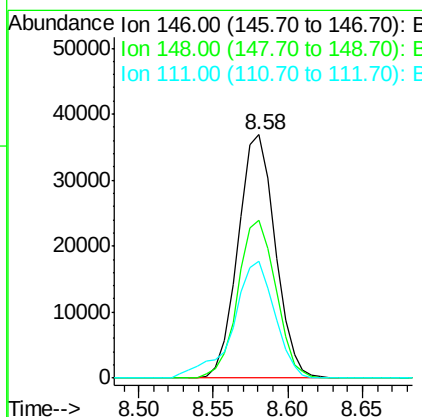
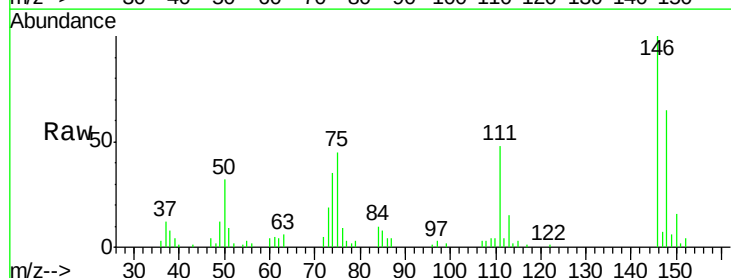
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

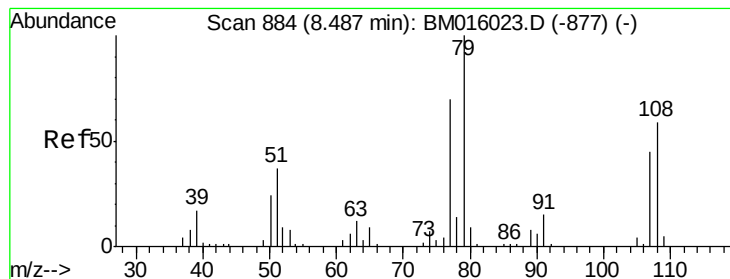
Tgt Ion:146 Resp: 66709
 Ion Ratio Lower Upper
 146 100
 148 66.9 51.9 77.9
 111 45.4 29.2 43.8#



#14
 1,2-Dichlorobenzene
 Concen: 18.687 ng
 RT: 8.58 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

Tgt Ion:146 Resp: 64025
 Ion Ratio Lower Upper
 146 100
 148 64.9 52.3 78.5
 111 47.9 30.6 45.8#





#15

Benzyl Alcohol

Concen: 18.271 ng

RT: 8.48 min Scan# 883

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

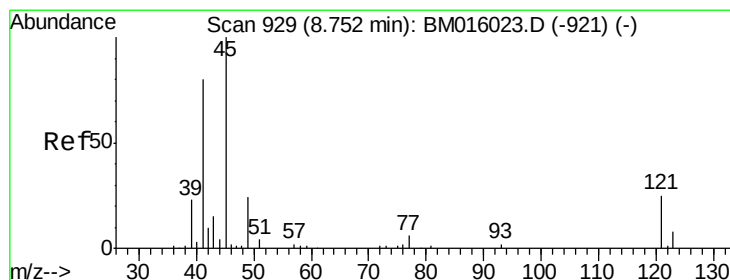
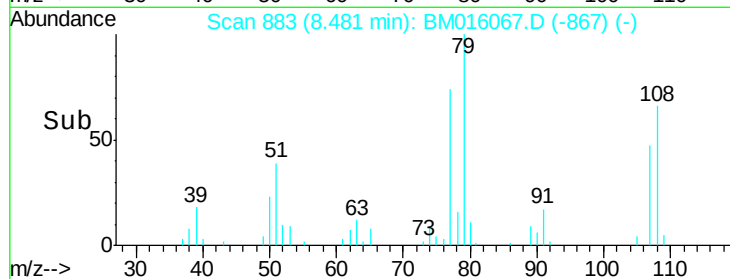
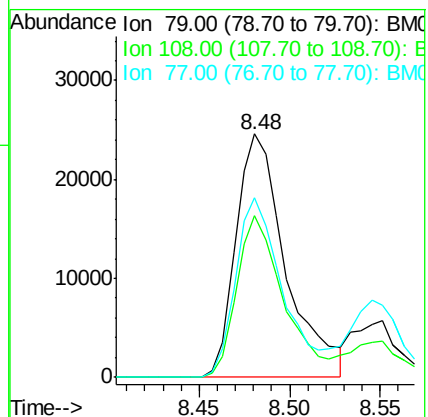
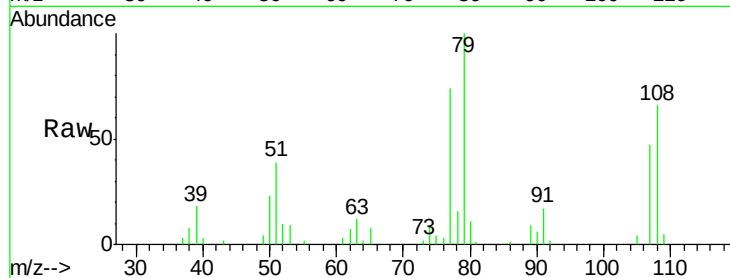
Tgt Ion: 79 Resp: 47151

Ion Ratio Lower Upper

79 100

108 66.2 65.0 97.4

77 73.8 53.0 79.6



#16

2,2'-oxybis(1-chloropropane)

Concen: 19.153 ng

RT: 8.75 min Scan# 928

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

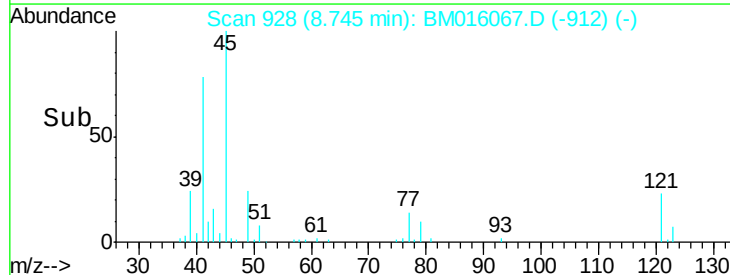
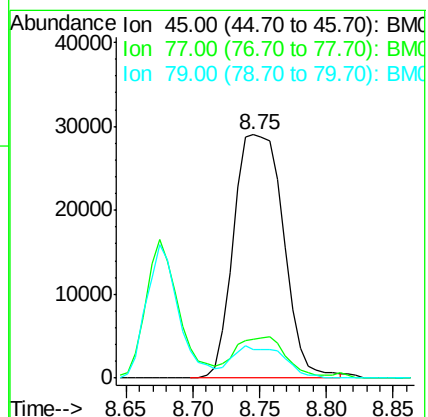
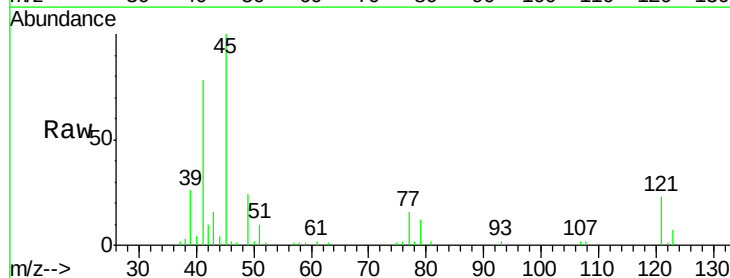
Tgt Ion: 45 Resp: 75049

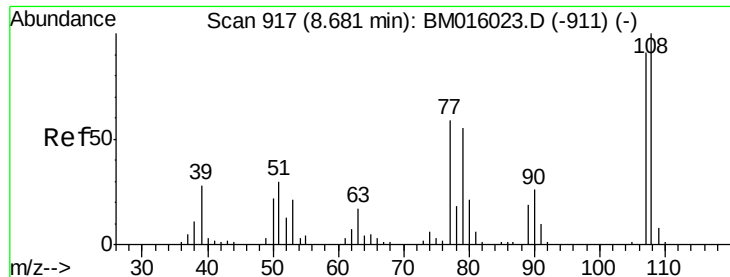
Ion Ratio Lower Upper

45 100

77 16.0 0.0 35.2

79 11.7 0.0 32.0

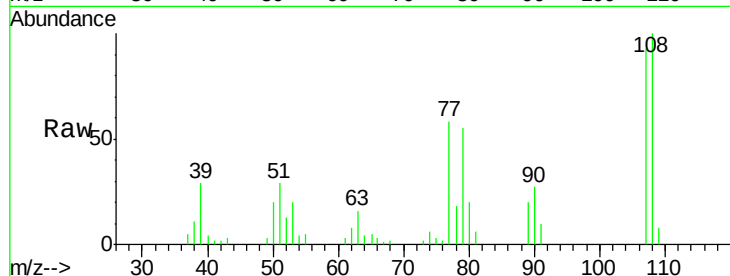




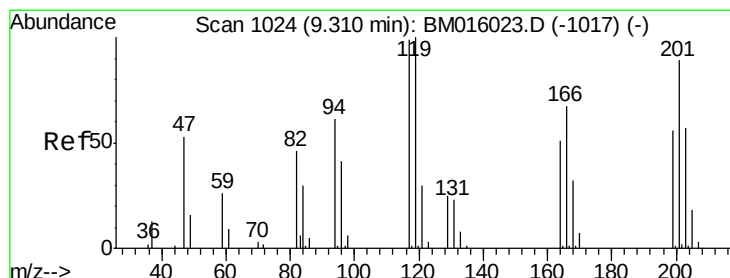
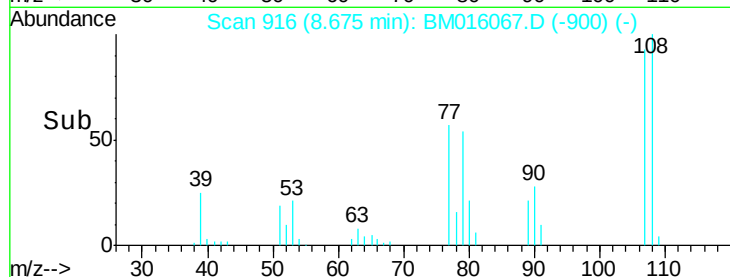
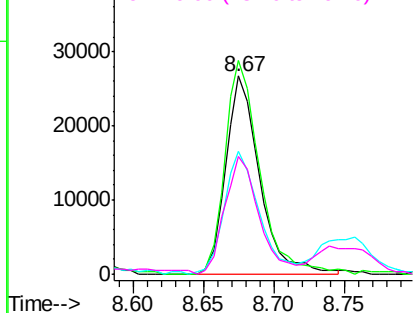
#17
2-Methylphenol
Concen: 20.163 ng
RT: 8.67 min Scan# 916
Delta R.T. -0.01 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

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

Tgt Ion:107 Resp: 44663
Ion Ratio Lower Upper
107 100
108 107.9 89.8 134.8
77 62.1 32.6 48.8#
79 59.8 32.8 49.2#

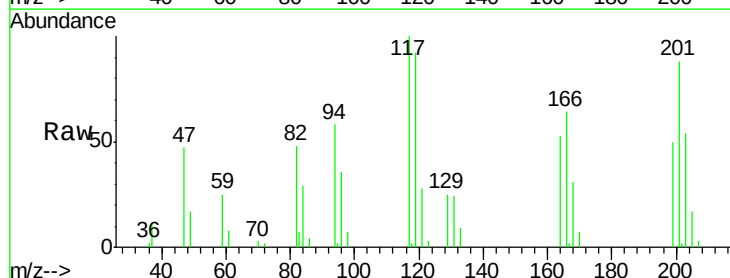


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM
Ion 79.00 (78.70 to 79.70): BM

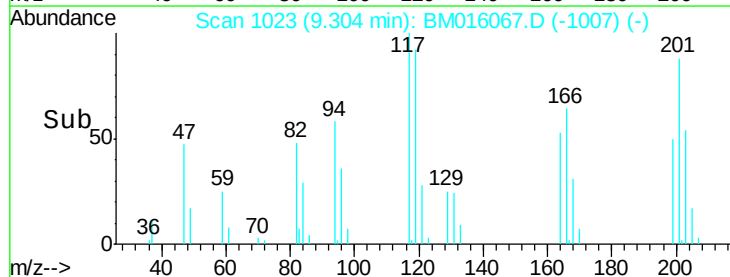
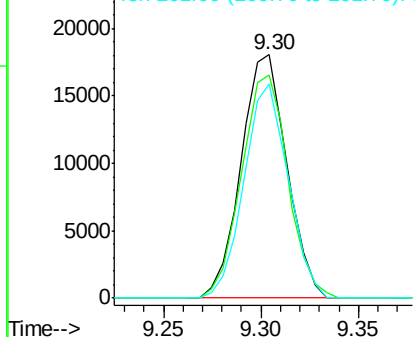


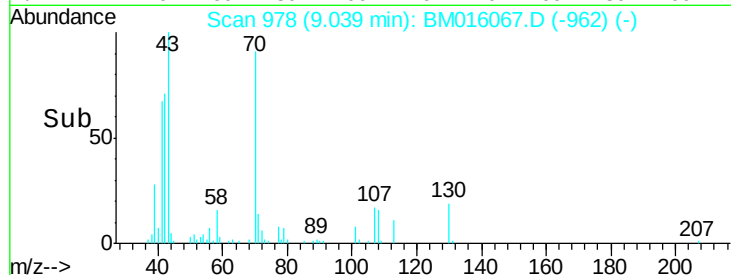
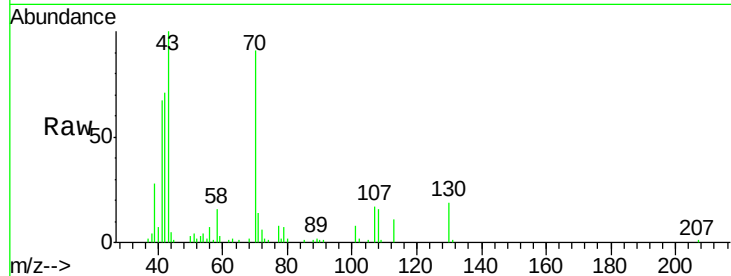
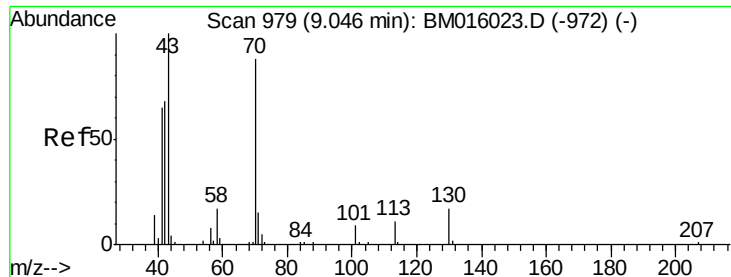
#18
Hexachloroethane
Concen: 19.365 ng
RT: 9.30 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

Tgt Ion:117 Resp: 29311
Ion Ratio Lower Upper
117 100
119 91.8 79.2 118.8
201 88.1 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

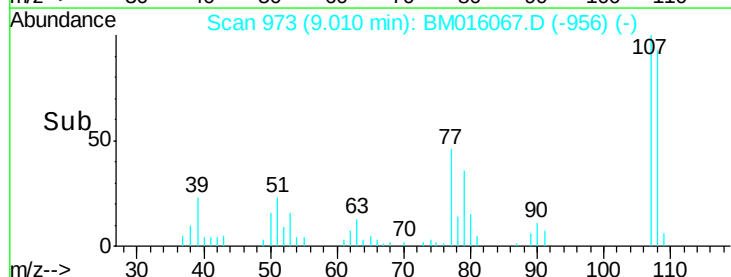
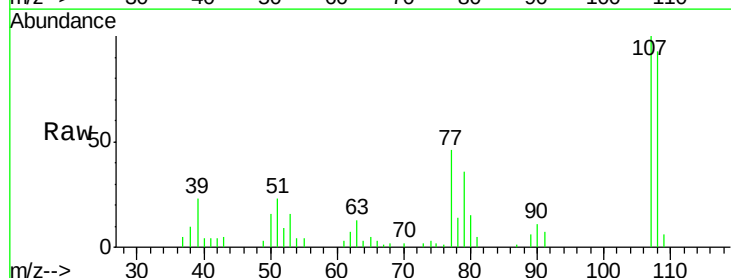
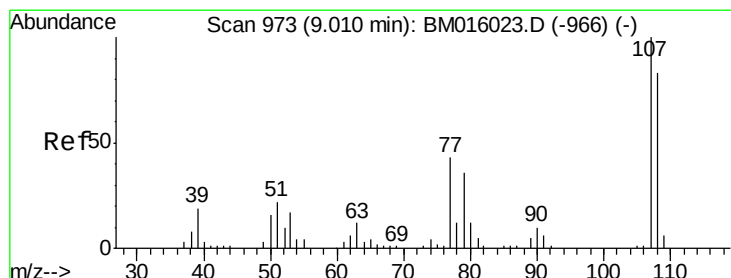
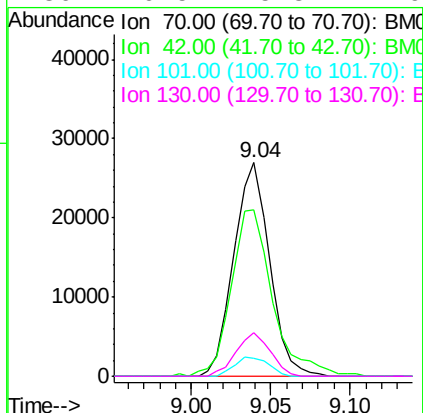




#19
n-Nitroso-di-n-propylamine
Concen: 17.846 ng
RT: 9.04 min Scan# 978
Delta R.T. -0.01 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

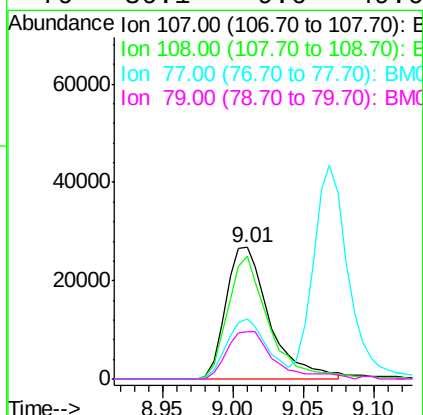
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

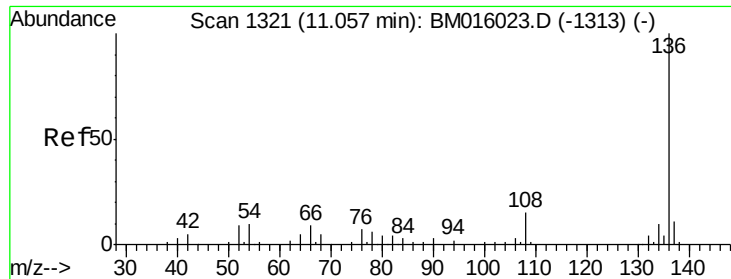
Tgt Ion:	70	Resp:	42275
Ion	Ratio	Lower	Upper
70	100		
42	77.9	44.5	66.7#
101	8.6	7.4	11.2
130	20.5	15.3	22.9



#20
3+4-Methylphenols
Concen: 18.205 ng
RT: 9.01 min Scan# 973
Delta R.T. -0.00 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

Tgt Ion:	107	Resp:	58018
Ion	Ratio	Lower	Upper
107	100		
108	93.0	73.2	113.2
77	45.9	10.7	50.7
79	36.1	9.6	49.6

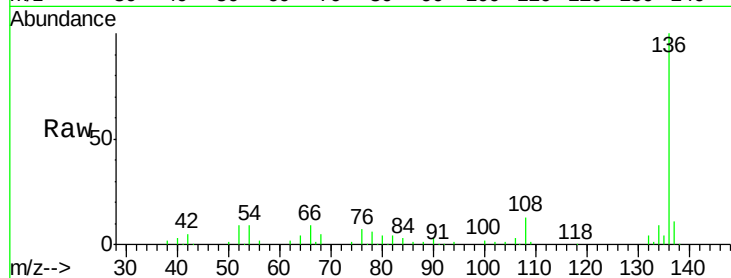




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.05 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

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

Tgt Ion:	136	Resp:	171265
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	8.6	4.6	6.8#
68	5.1	3.7	5.5



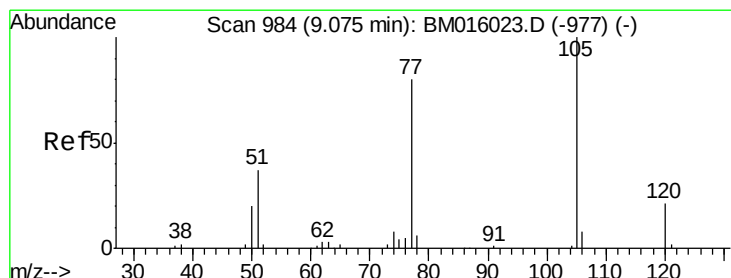
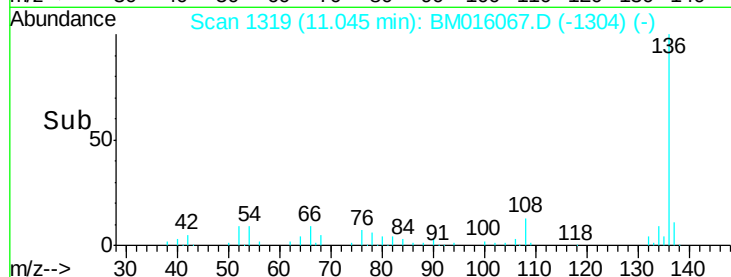
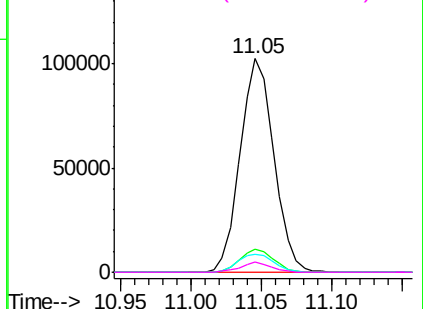
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

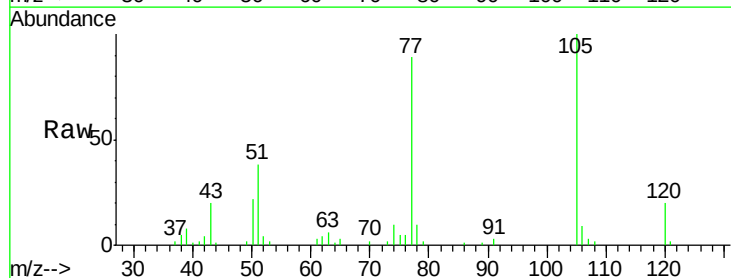
Ion 54.00 (53.70 to 54.70): BM0

Ion 68.00 (67.70 to 68.70): BM0



#22
Acetophenone
Concen: 19.284 ng
RT: 9.07 min Scan# 983
Delta R.T. -0.01 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

Tgt Ion:	105	Resp:	83163
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.6	1.0#
51	38.3	21.6	32.4#
120	20.2	16.1	24.1



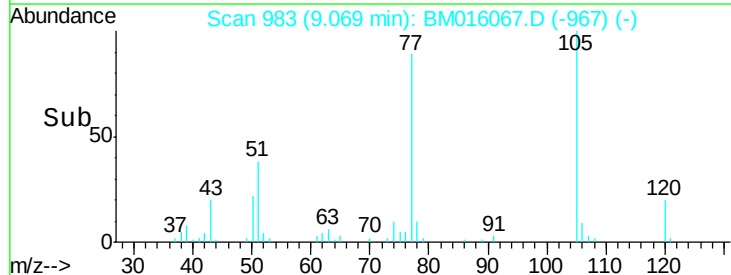
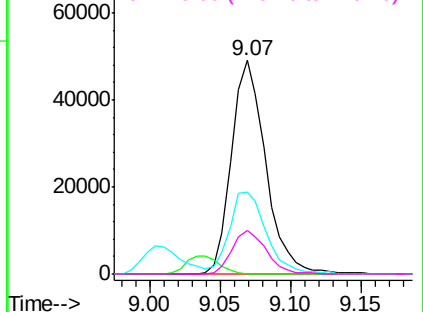
Abundance

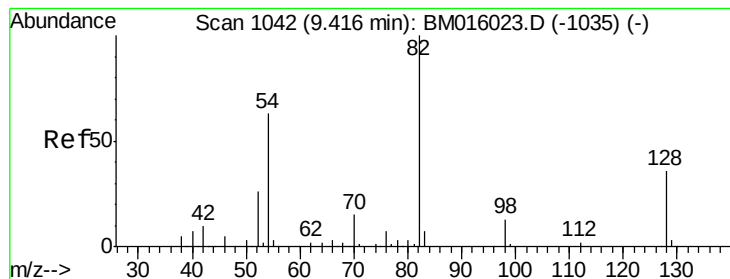
Ion 105.00 (104.70 to 105.70): E

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: 19.284 ng

RT: 9.41 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

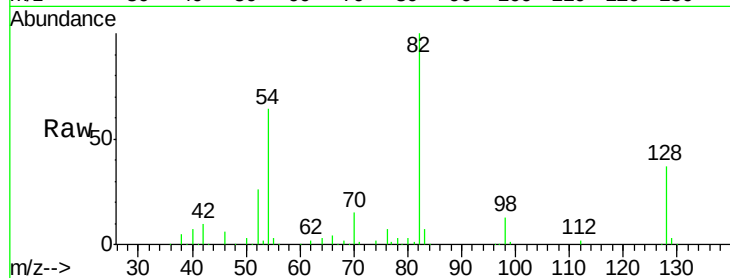
Tgt Ion: 82 Resp: 311152

Ion Ratio Lower Upper

82 100

128 37.5 32.8 49.2

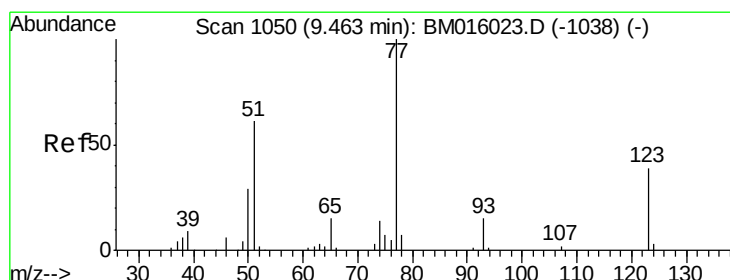
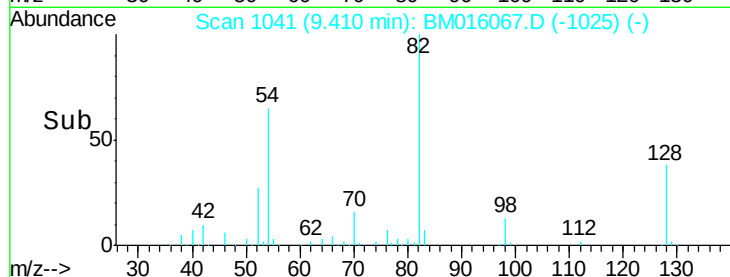
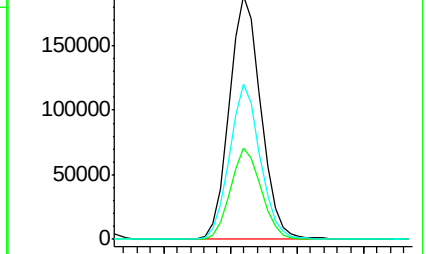
54 63.9 40.6 60.8#



Abundance Ion 82.00 (81.70 to 82.70): BM016067.D (-1025) (-)

Ion 128.00 (127.70 to 128.70): BM016067.D (-1025) (-)

Ion 54.00 (53.70 to 54.70): BM016067.D (-1025) (-)



#24

Nitrobenzene

Concen: 19.213 ng

RT: 9.46 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

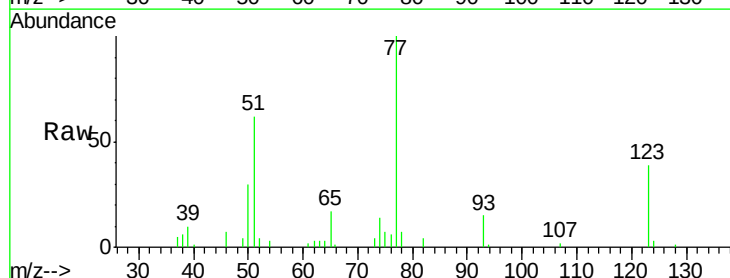
Tgt Ion: 77 Resp: 71211

Ion Ratio Lower Upper

77 100

123 39.4 32.6 49.0

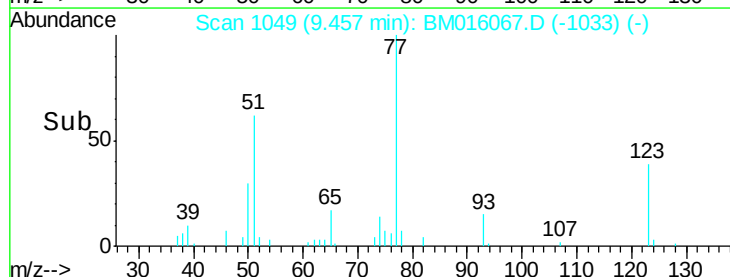
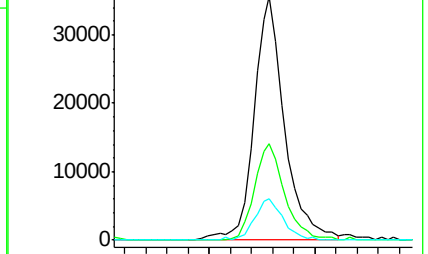
65 16.8 10.9 16.3#

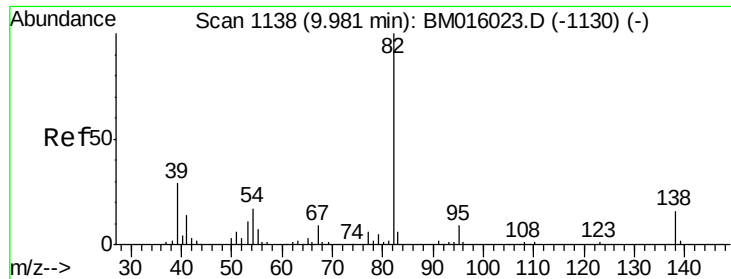


Abundance Ion 77.00 (76.70 to 77.70): BM016067.D (-1033) (-)

Ion 123.00 (122.70 to 123.70): BM016067.D (-1033) (-)

Ion 65.00 (64.70 to 65.70): BM016067.D (-1033) (-)

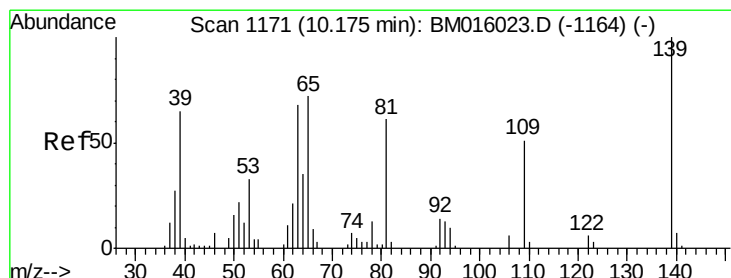
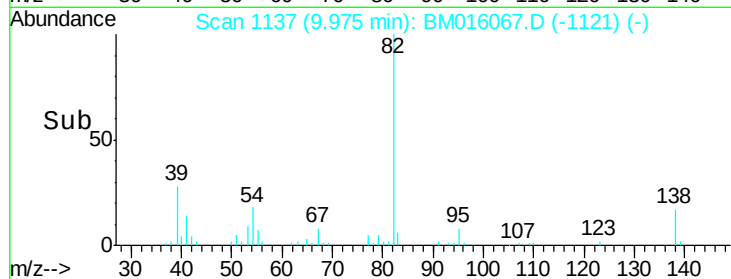
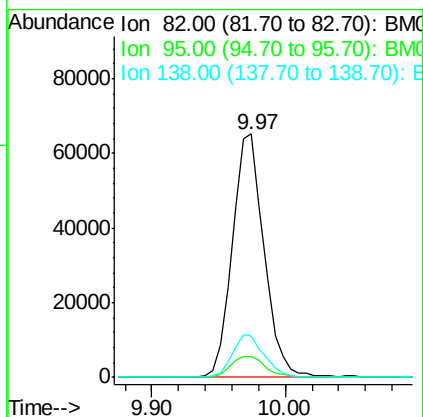
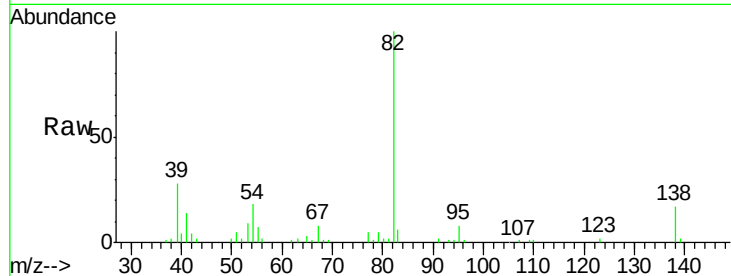




#25
Isophorone
Concen: 21.382 ng
RT: 9.97 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

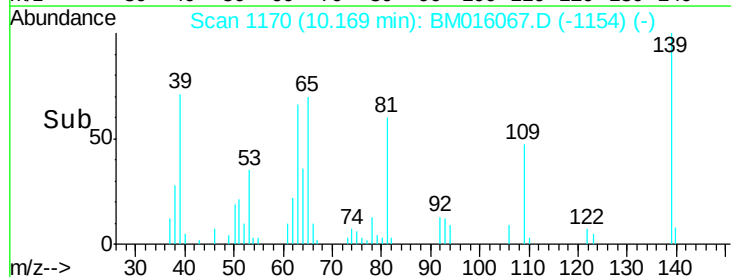
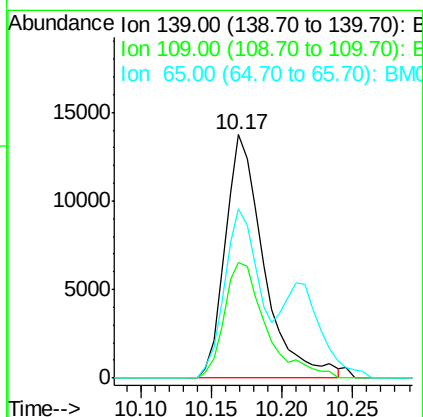
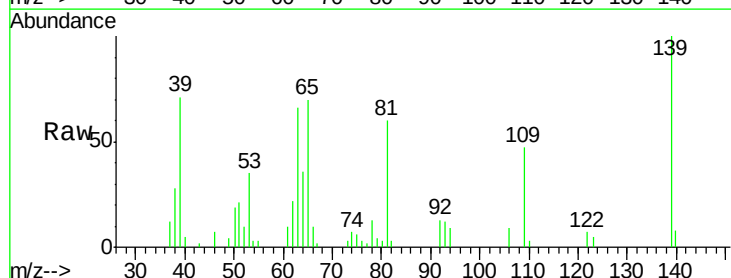
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

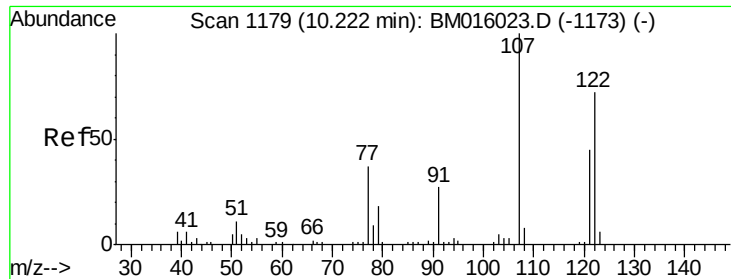
Tgt Ion: 82 Resp: 107693
Ion Ratio Lower Upper
82 100
95 8.4 5.8 8.6
138 16.9 16.3 24.5



#26
2-Nitrophenol
Concen: 16.948 ng
RT: 10.17 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

Tgt Ion: 139 Resp: 26222
Ion Ratio Lower Upper
139 100
109 47.4 20.1 30.1#
65 69.6 31.5 47.3#

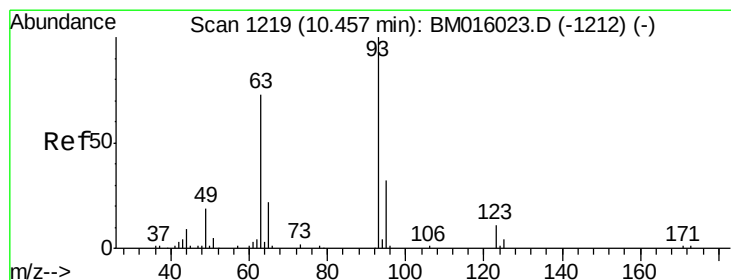
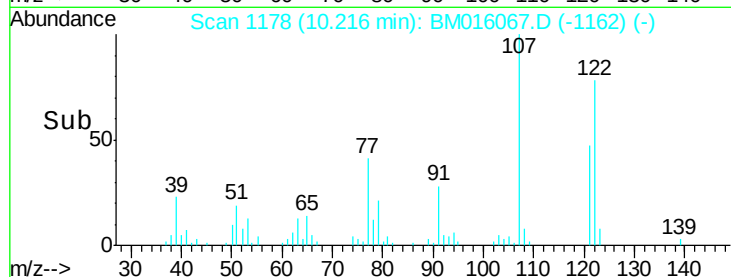
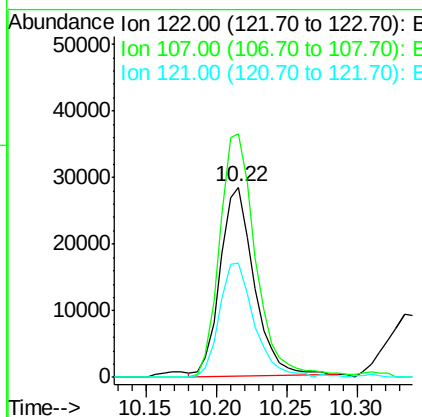
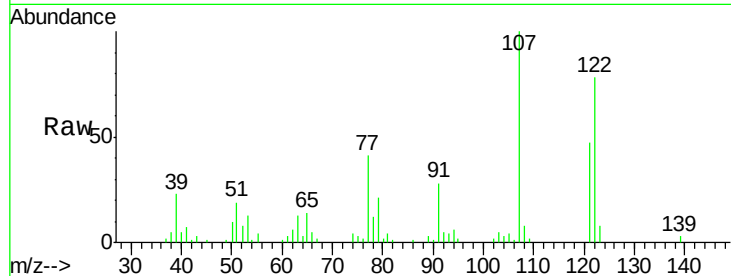




#27
2,4-Dimethylphenol
Concen: 22.092 ng
RT: 10.22 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

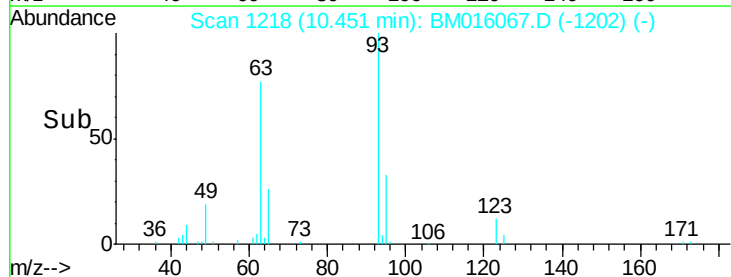
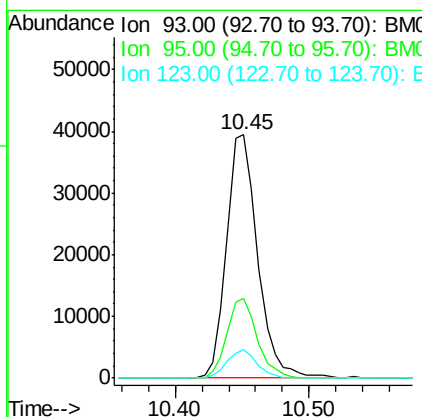
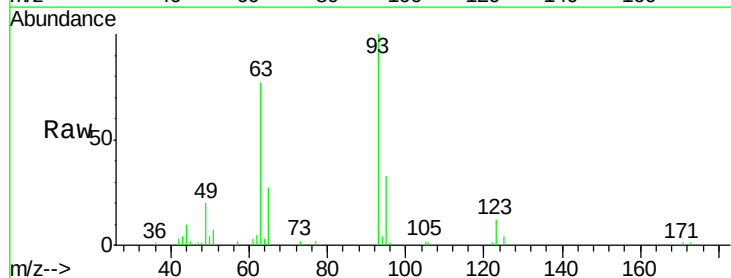
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

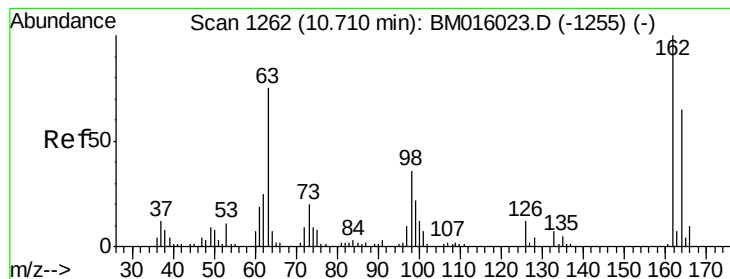
Tgt Ion:122 Resp: 47621
Ion Ratio Lower Upper
122 100
107 127.9 84.7 127.1#
121 60.1 46.6 69.8



#28
bis(2-Chloroethoxy)methane
Concen: 19.739 ng
RT: 10.45 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

Tgt Ion: 93 Resp: 64617
Ion Ratio Lower Upper
93 100
95 33.0 25.5 38.3
123 11.7 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 19.242 ng

RT: 10.70 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

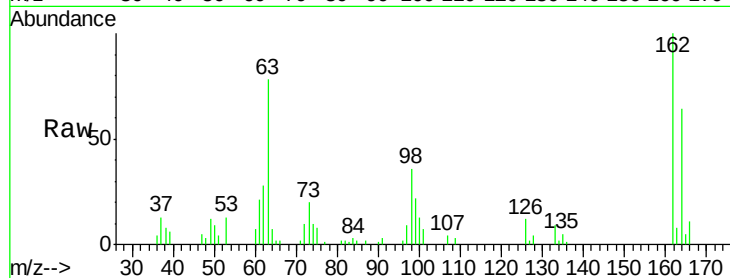
Tgt Ion:162 Resp: 49288

Ion Ratio Lower Upper

162 100

164 64.4 42.8 82.8

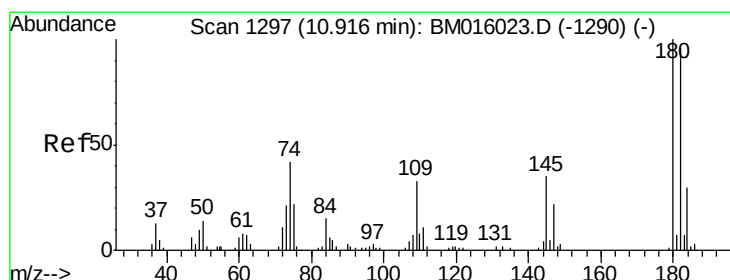
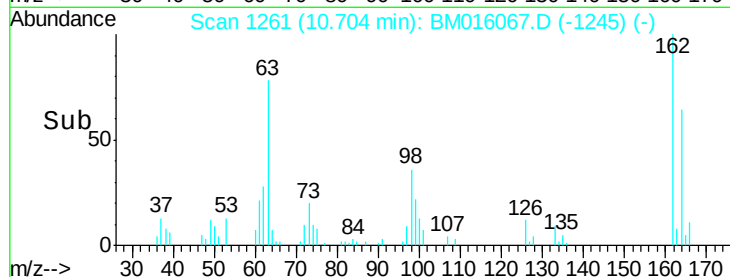
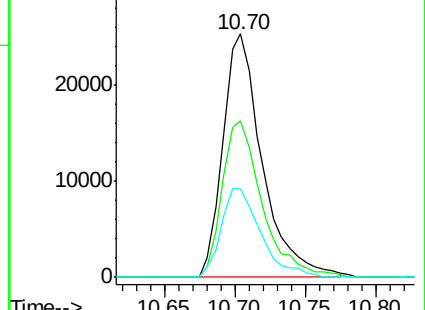
98 36.3 14.5 54.5



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#30

1,2,4-Trichlorobenzene

Concen: 18.162 ng

RT: 10.90 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

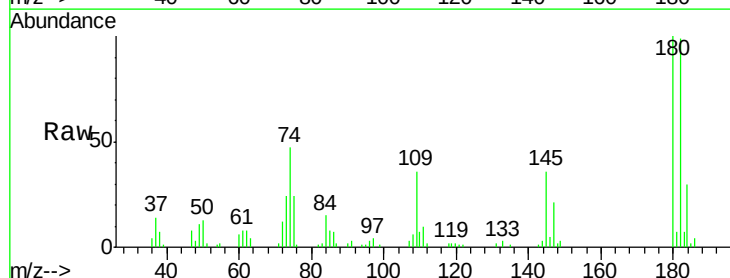
Tgt Ion:180 Resp: 56524

Ion Ratio Lower Upper

180 100

182 98.6 77.6 116.4

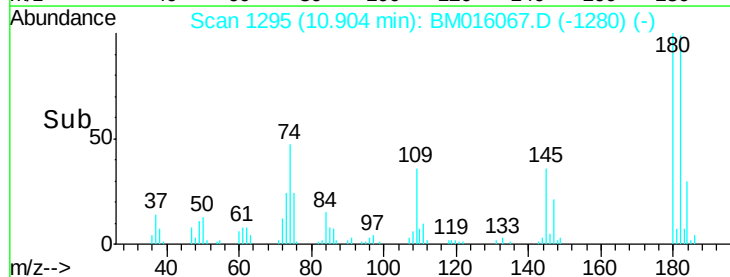
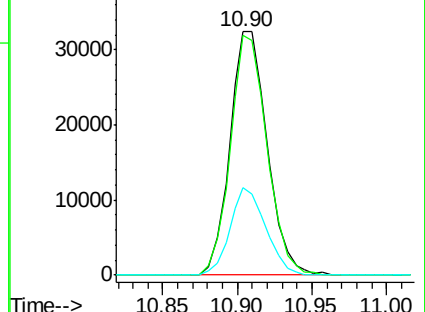
145 35.7 23.4 35.2#

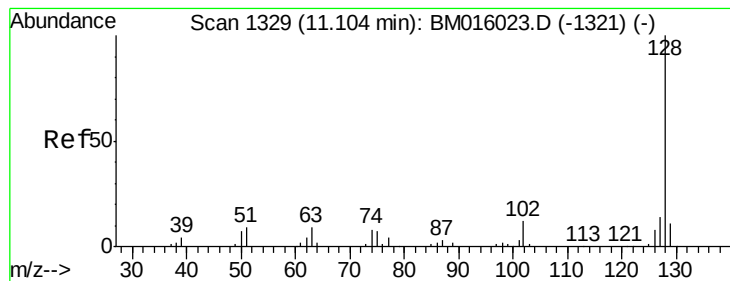


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 19.943 ng

RT: 11.10 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

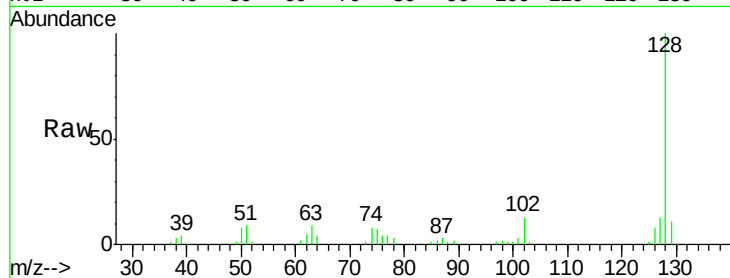
Tgt Ion:128 Resp: 172862

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

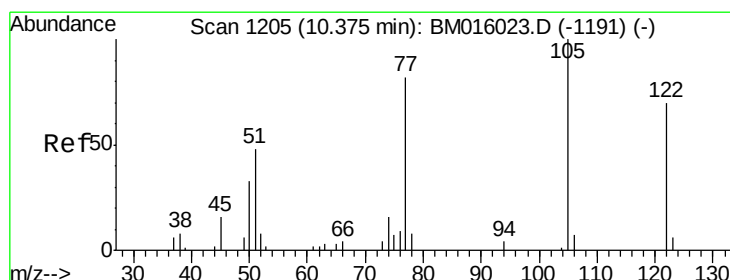
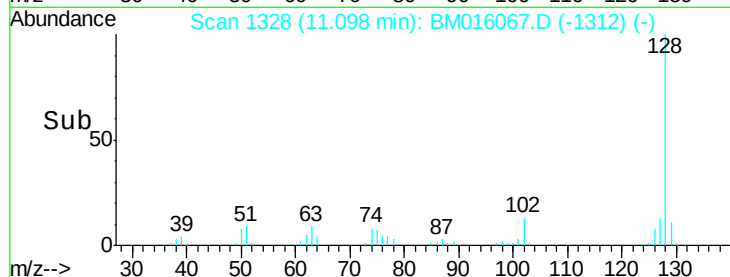
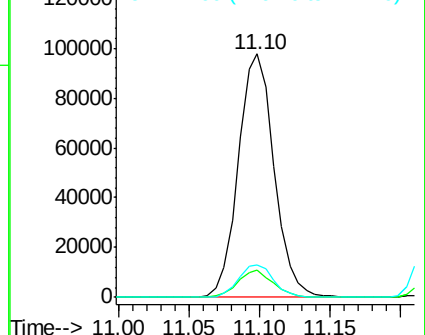
127 13.2 10.4 15.6



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: 16.472 ng

RT: 10.33 min Scan# 1198

Delta R.T. -0.04 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

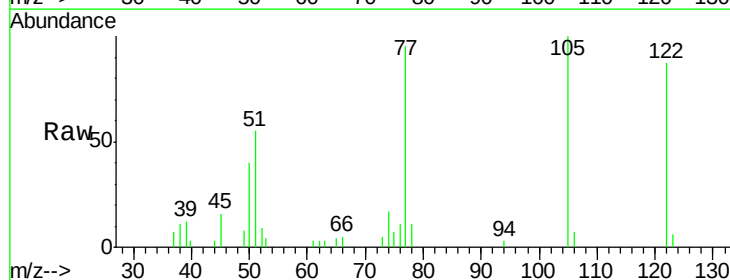
Tgt Ion:122 Resp: 27067

Ion Ratio Lower Upper

122 100

105 115.2 99.9 139.9

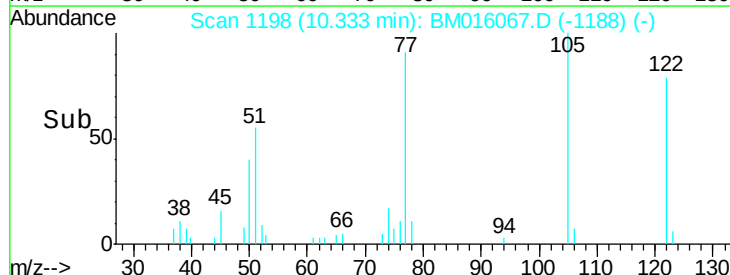
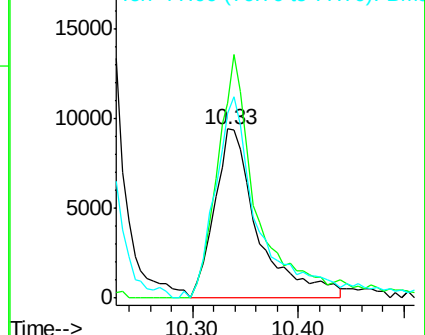
77 109.1 73.7 113.7

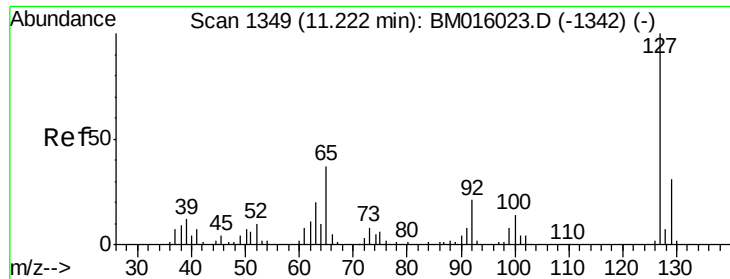


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

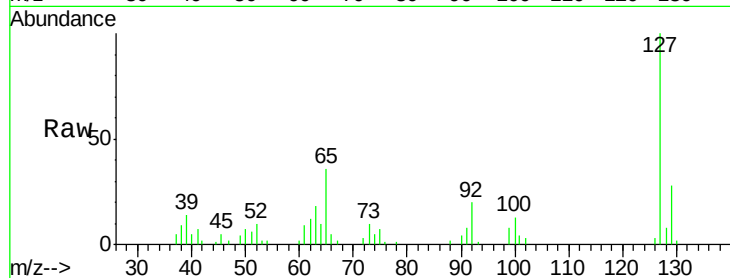




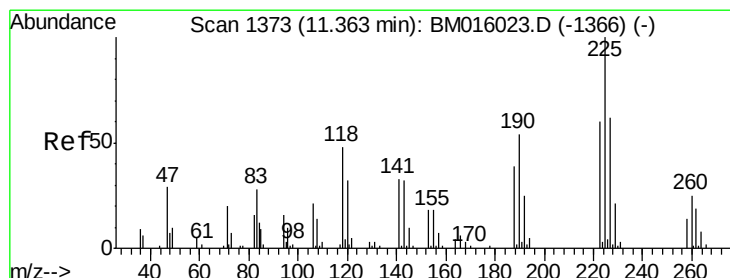
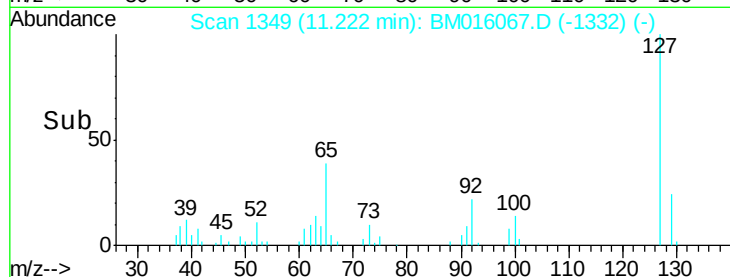
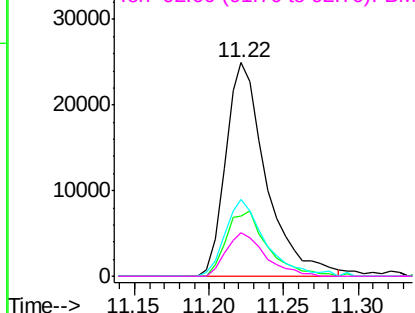
#33
4-Chloroaniline
Concen: 13.398 ng
RT: 11.22 min Scan# 1349
Delta R.T. -0.00 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

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

Tgt Ion:	127	Resp:	47389
Ion	Ratio	Lower	Upper
127	100		
129	28.3	25.3	37.9
65	36.1	17.6	26.4
92	20.2	13.1	19.7

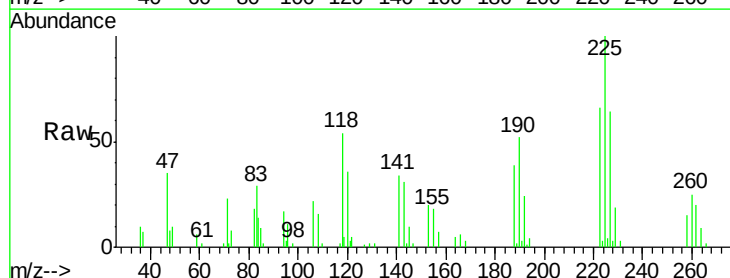


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM
Ion 92.00 (91.70 to 92.70): BM

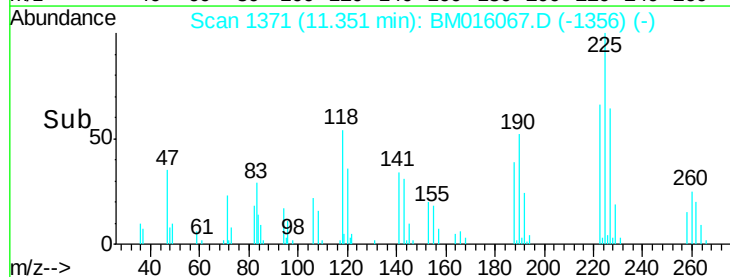
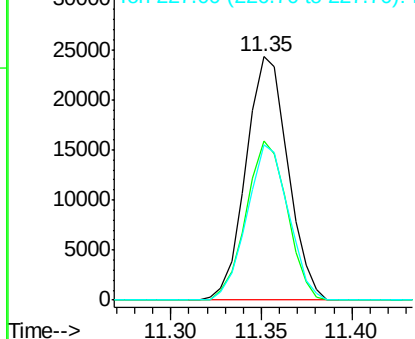


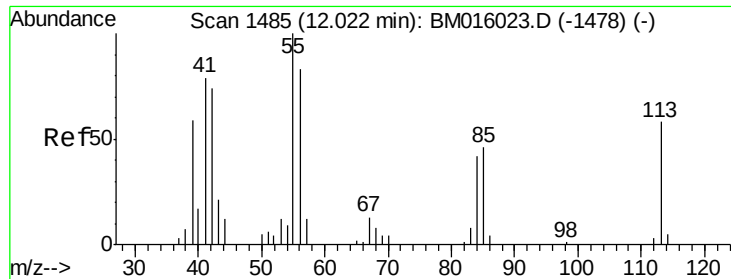
#34
Hexachlorobutadiene
Concen: 18.118 ng
RT: 11.35 min Scan# 1371
Delta R.T. -0.01 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

Tgt Ion:	225	Resp:	39113
Ion	Ratio	Lower	Upper
225	100		
223	65.6	47.9	71.9
227	63.8	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: 15.788 ng

RT: 12.01 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

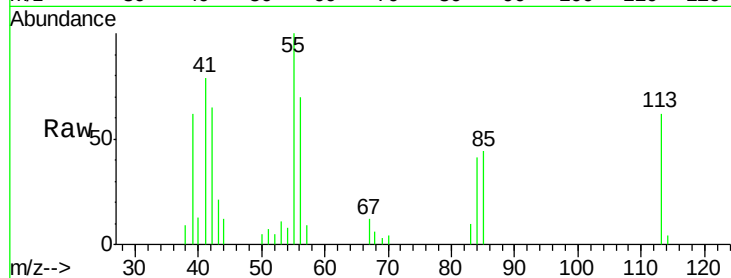
Tgt Ion:113 Resp: 11201

Ion Ratio Lower Upper

113 100

55 162.4 145.9 185.9

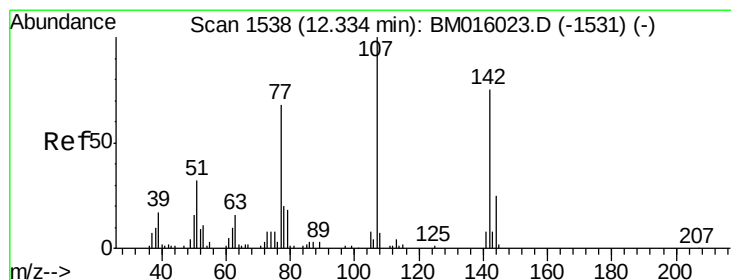
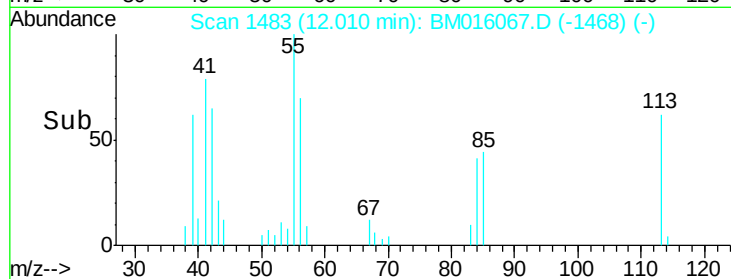
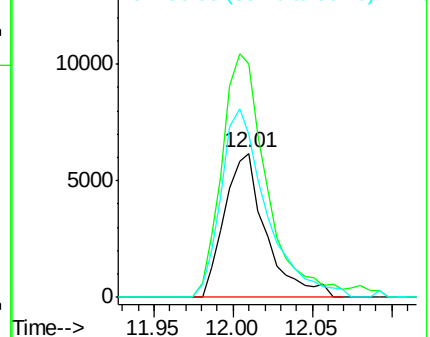
56 112.9 101.0 141.0



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: 17.527 ng

RT: 12.33 min Scan# 1537

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

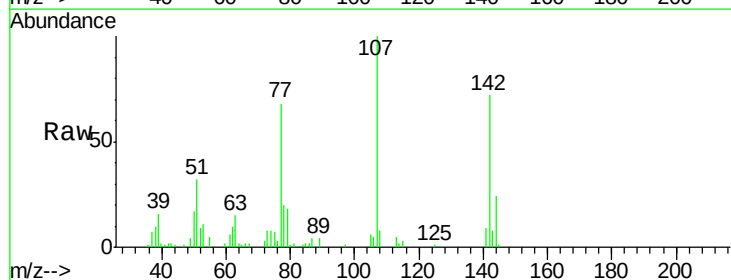
Tgt Ion:107 Resp: 49379

Ion Ratio Lower Upper

107 100

144 23.6 23.3 34.9

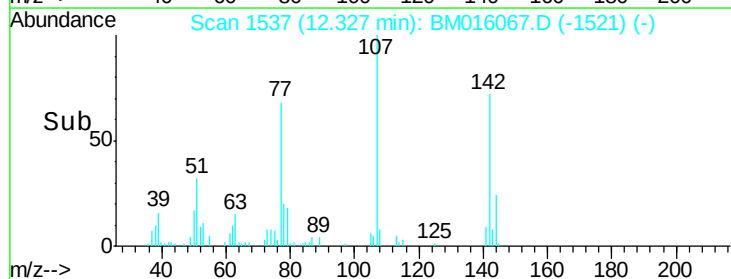
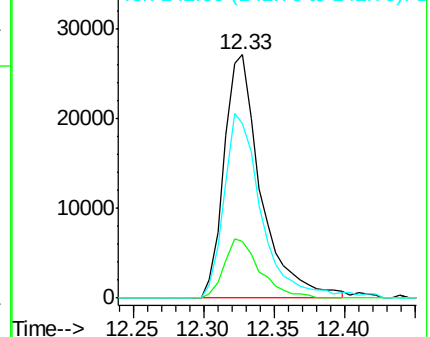
142 71.6 72.6 109.0#

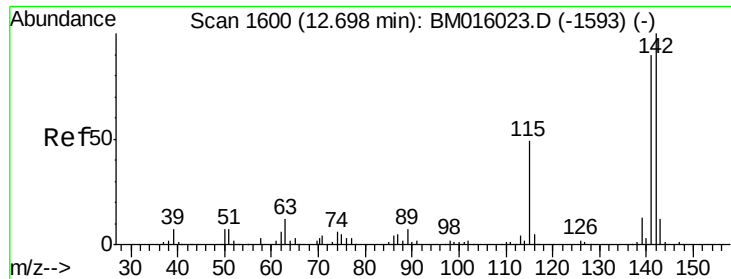


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

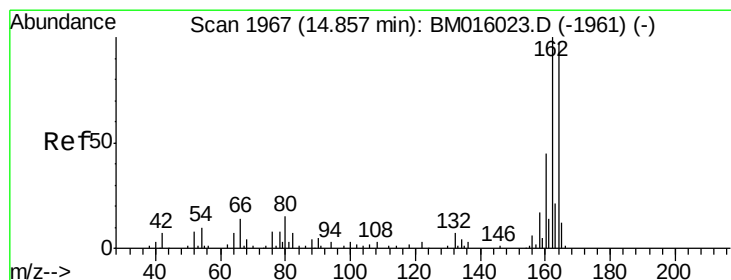
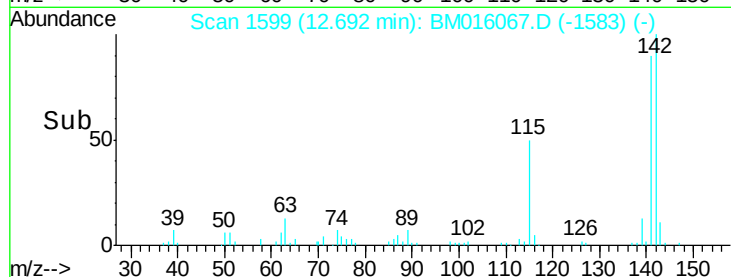
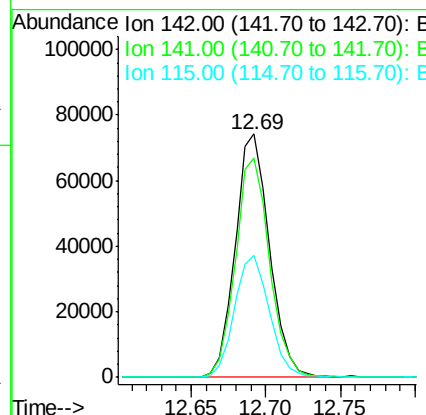
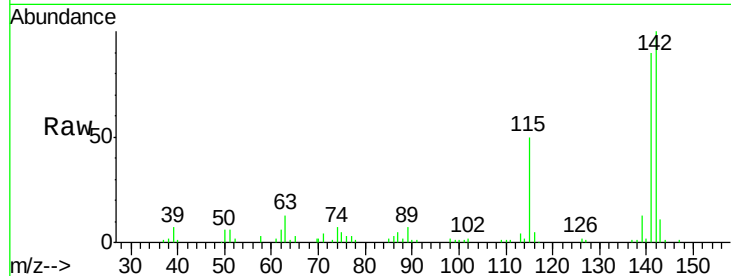




#37
 2-Methylnaphthalene
 Concen: 20.513 ng
 RT: 12.69 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

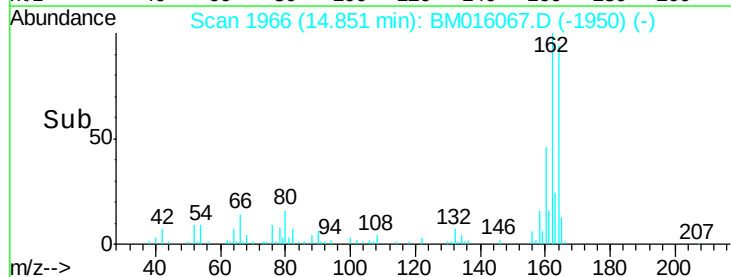
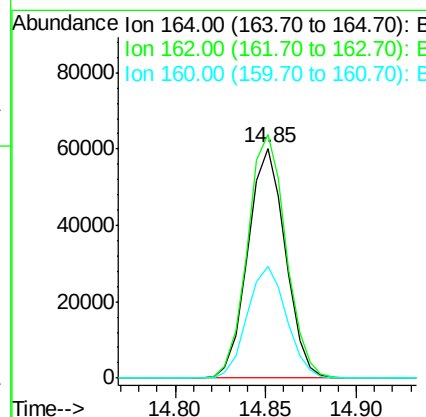
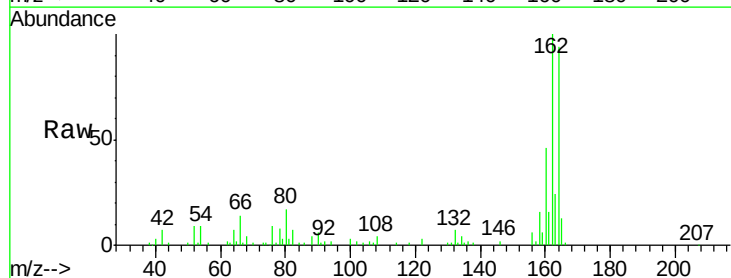
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

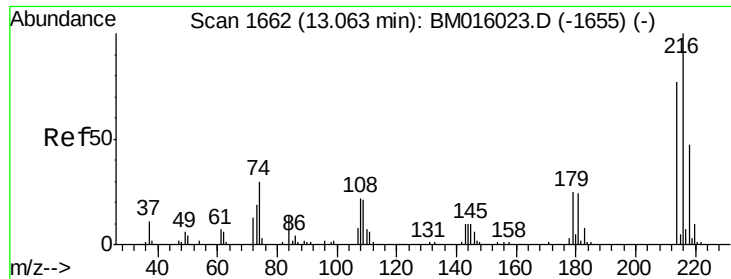
Tgt Ion:142 Resp: 119106
 Ion Ratio Lower Upper
 142 100
 141 90.1 71.9 107.9
 115 50.1 25.4 38.0#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.85 min Scan# 1966
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

Tgt Ion:164 Resp: 86517
 Ion Ratio Lower Upper
 164 100
 162 106.0 82.4 123.6
 160 48.8 35.8 53.6

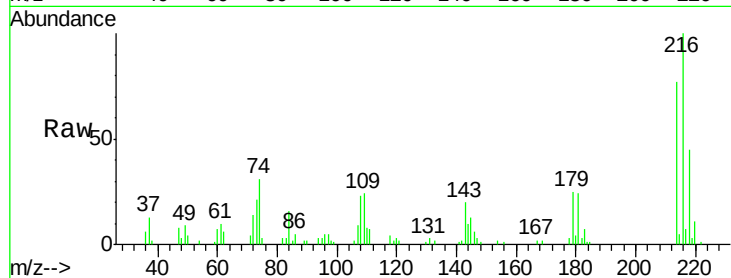




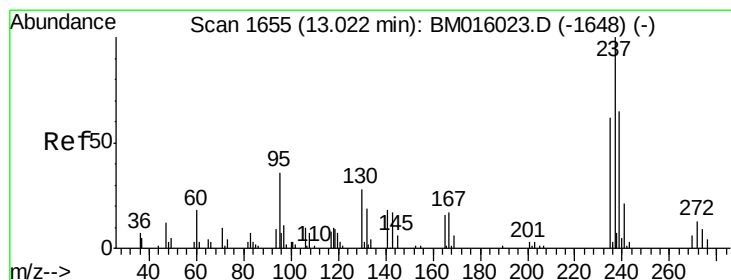
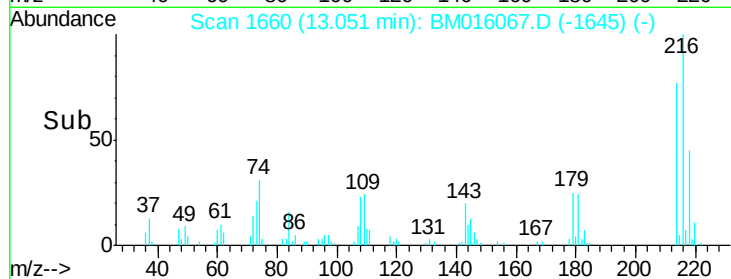
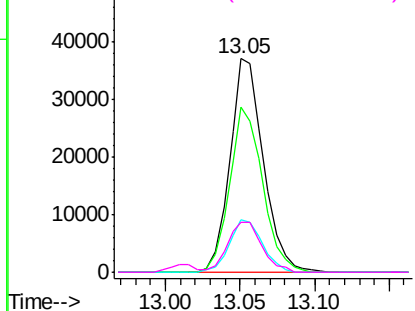
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 19.677 ng
 RT: 13.05 min Scan# 1660
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

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

Tgt Ion:	216	Resp:	57959
Ion	Ratio	Lower	Upper
216	100		
214	76.4	0.0	0.0#
179	24.2	0.0	0.0#
108	24.3	0.0	0.0#

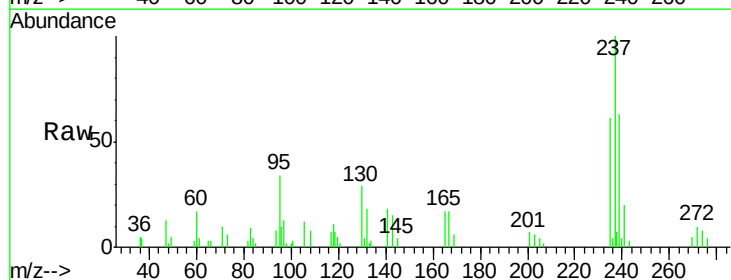


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

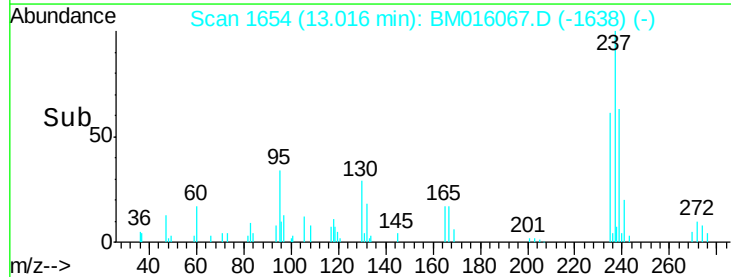
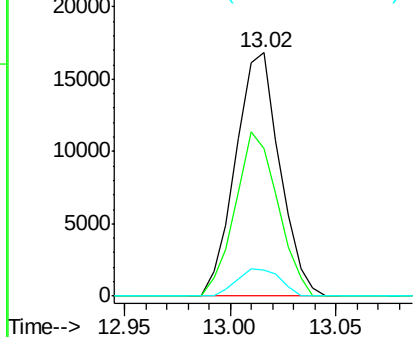


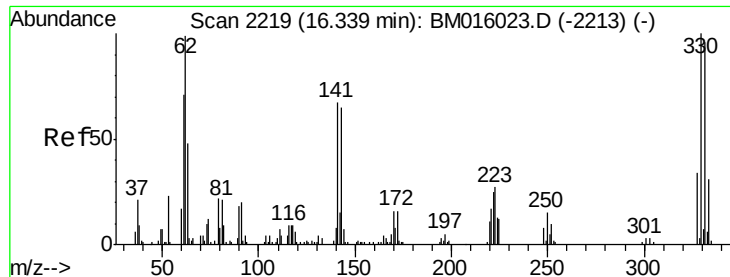
#40
 Hexachlorocyclopentadiene
 Concen: 22.971 ng
 RT: 13.02 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

Tgt Ion:	237	Resp:	24464
Ion	Ratio	Lower	Upper
237	100		
235	60.7	42.0	82.0
272	10.5	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

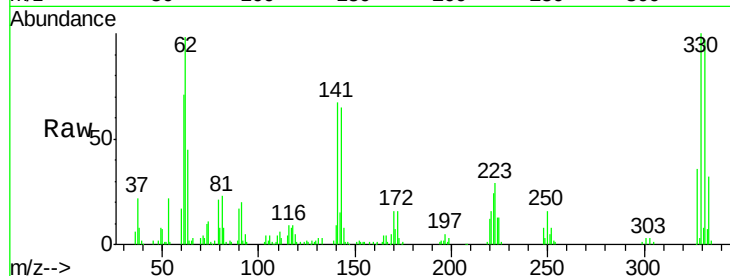




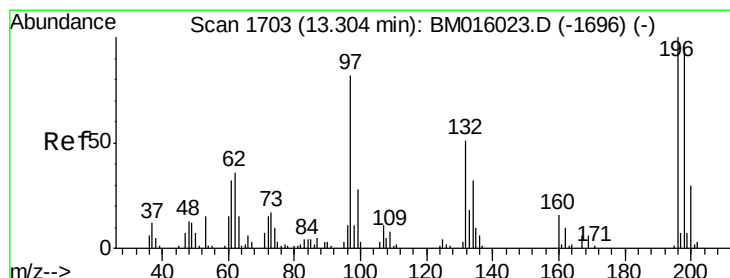
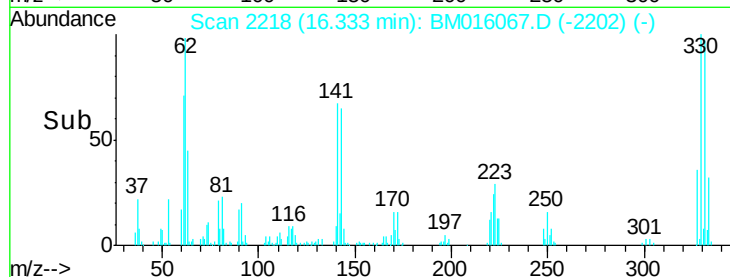
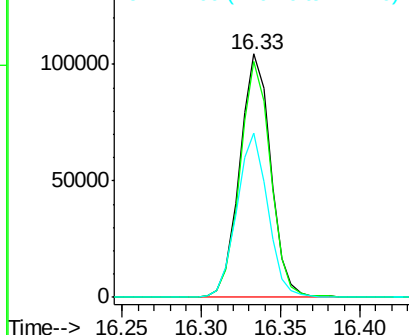
#41
 2,4,6-Tribromophenol
 Concen: 22.971 ng
 RT: 16.33 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

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

Tgt Ion:330 Resp: 141916
 Ion Ratio Lower Upper
 330 100
 332 95.7 0.0 0.0#
 141 67.1 0.0 0.0#

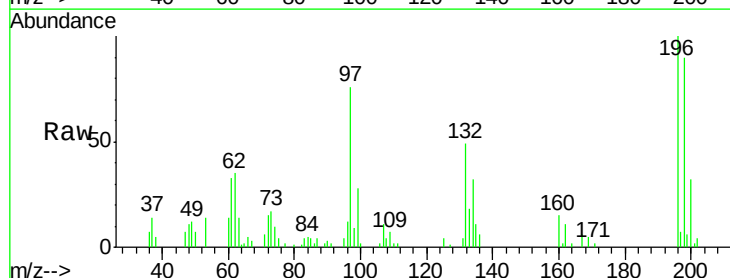


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

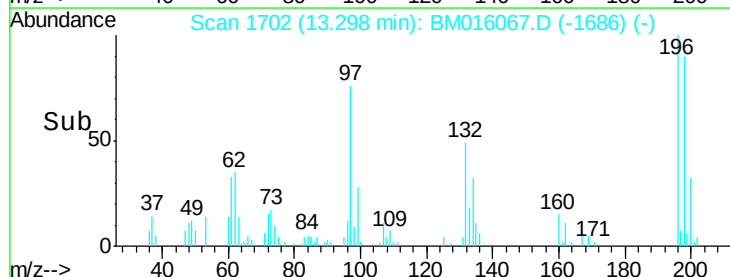
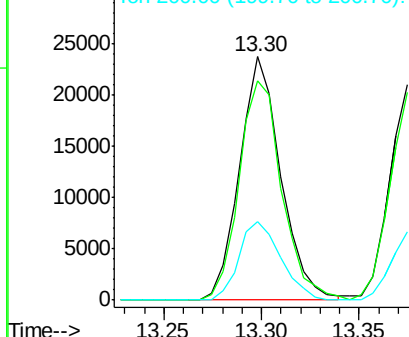


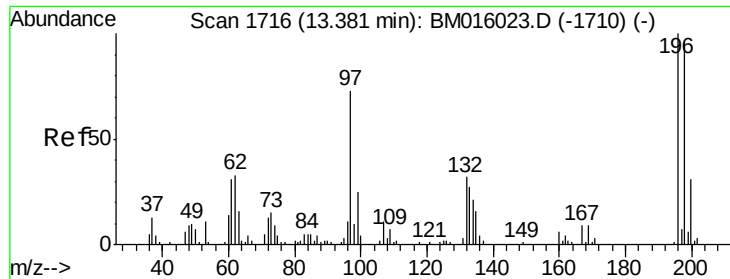
#42
 2,4,6-Trichlorophenol
 Concen: 18.905 ng
 RT: 13.30 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

Tgt Ion:196 Resp: 34838
 Ion Ratio Lower Upper
 196 100
 198 90.1 76.3 114.5
 200 32.3 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

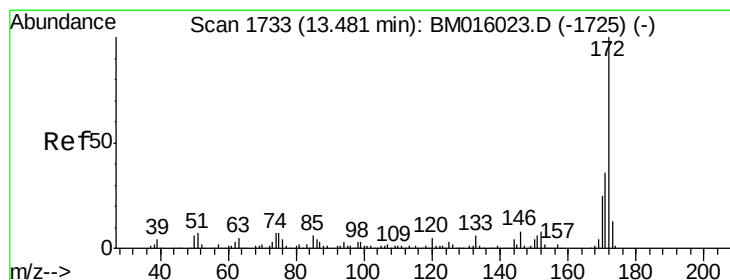
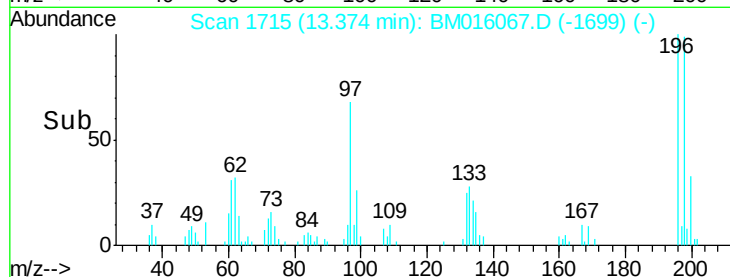
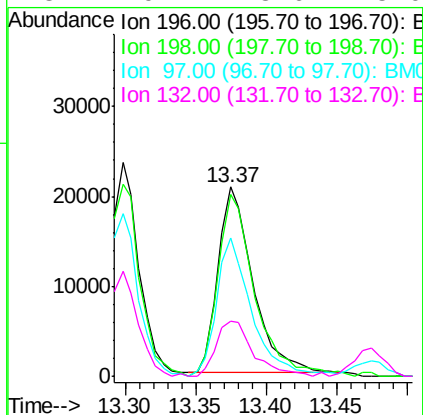
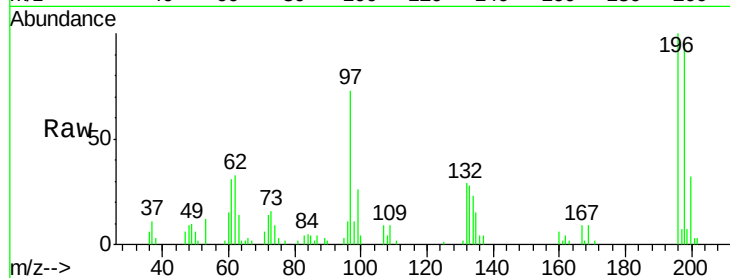




#43
 2,4,5-Trichlorophenol
 Concen: 18.775 ng
 RT: 13.37 min Scan# 1715
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

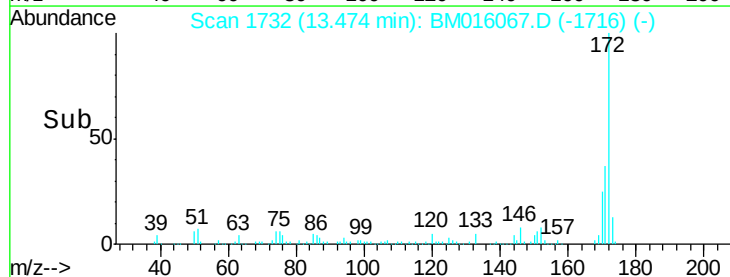
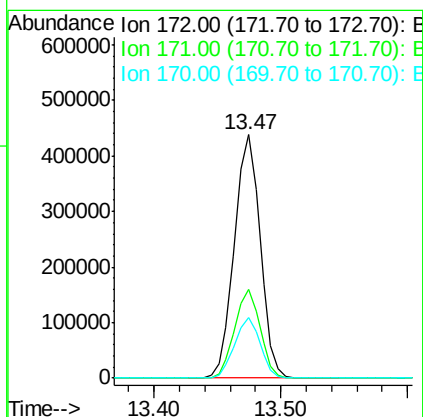
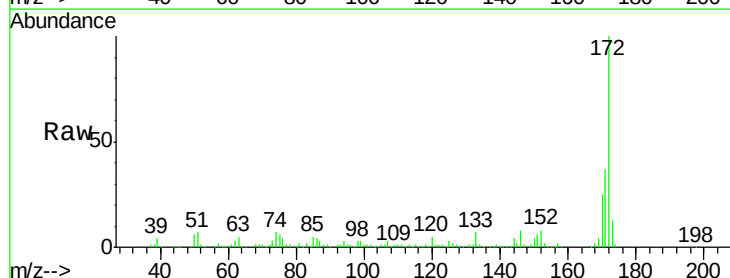
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

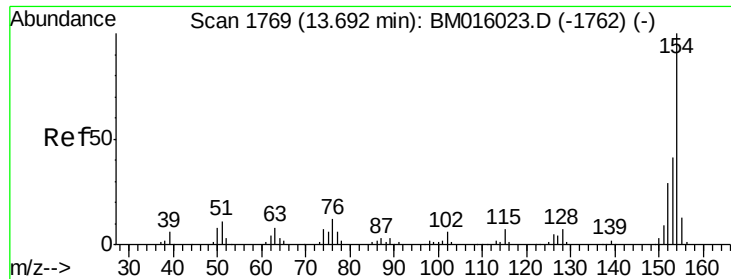
Tgt Ion:196 Resp: 35689
 Ion Ratio Lower Upper
 196 100
 198 96.1 79.4 119.0
 97 72.9 26.8 40.2#
 132 29.2 18.6 28.0#



#44
 2-Fluorobiphenyl
 Concen: 18.775 ng
 RT: 13.47 min Scan# 1732
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

Tgt Ion:172 Resp: 616849
 Ion Ratio Lower Upper
 172 100
 171 36.6 28.5 42.7
 170 24.9 18.8 28.2

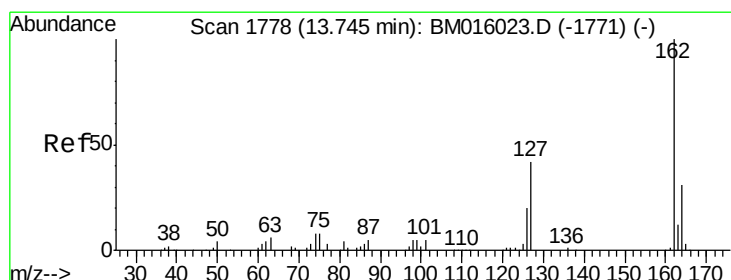
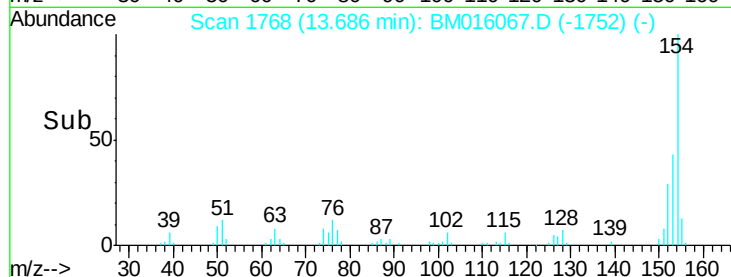
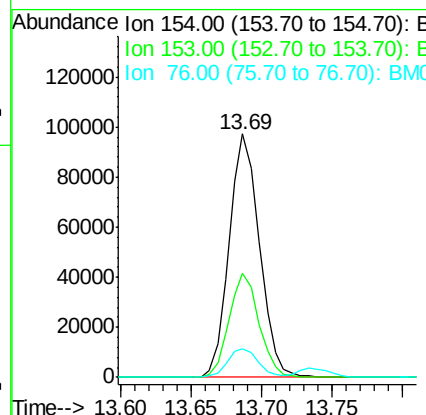
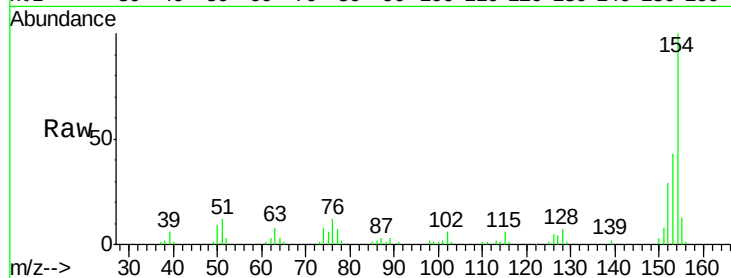




#45
 1,1'-Biphenyl
 Concen: 18.600 ng
 RT: 13.69 min Scan# 1768
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

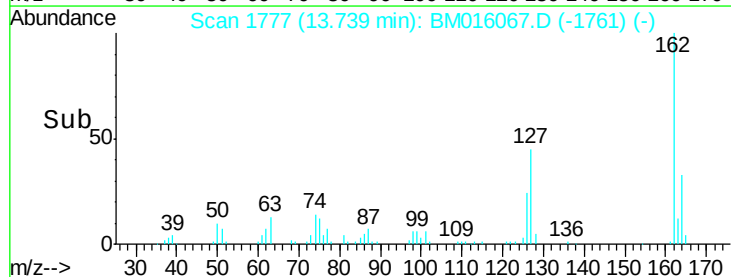
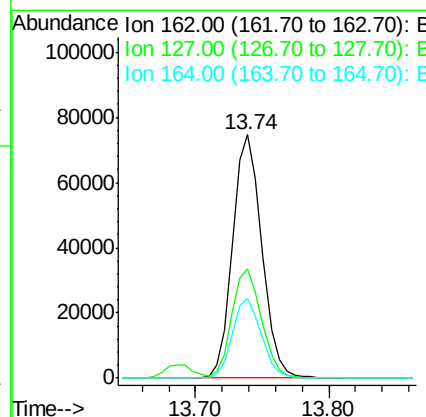
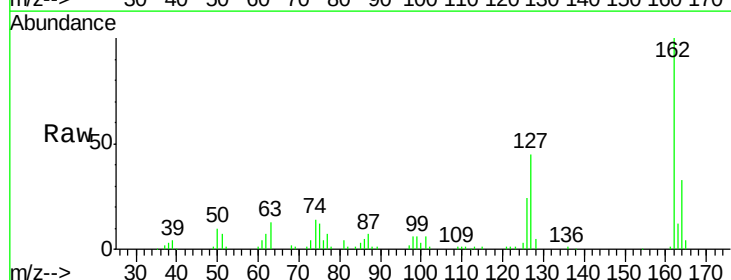
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

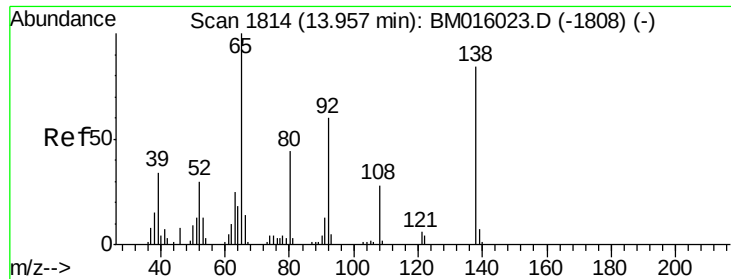
Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.8	20.7	60.7
76	11.7	0.0	30.9



#46
 2-Chloronaphthalene
 Concen: 18.837 ng
 RT: 13.74 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

Tgt Ion	Ratio	Lower	Upper
162	100		
127	44.7	26.9	40.3#
164	32.9	26.8	40.2

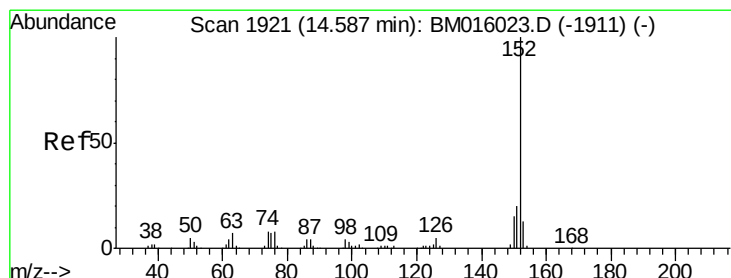
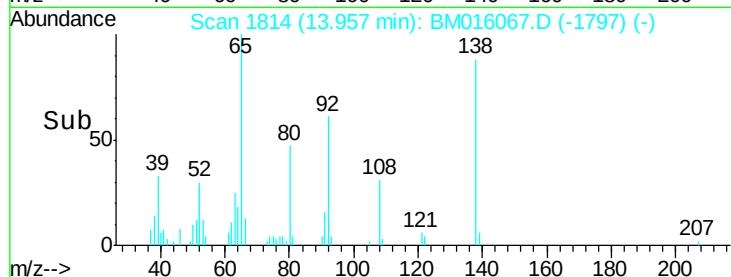
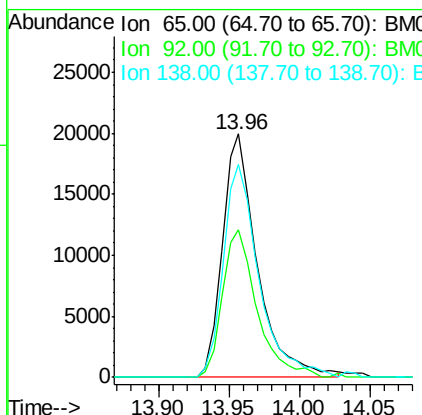
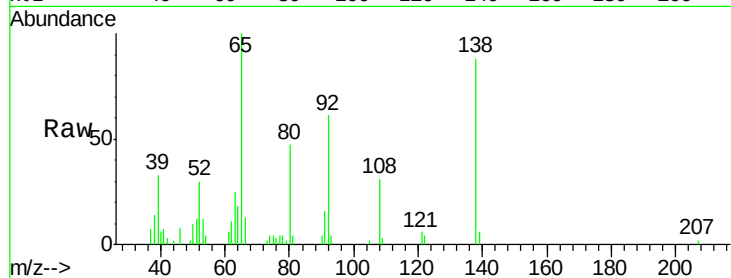




#47
2-Nitroaniline
Concen: 17.080 ng
RT: 13.96 min Scan# 1814
Delta R.T. -0.00 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

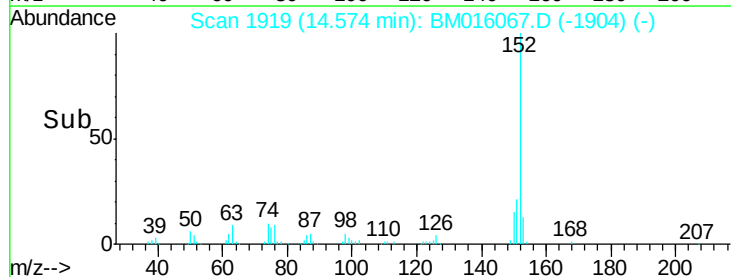
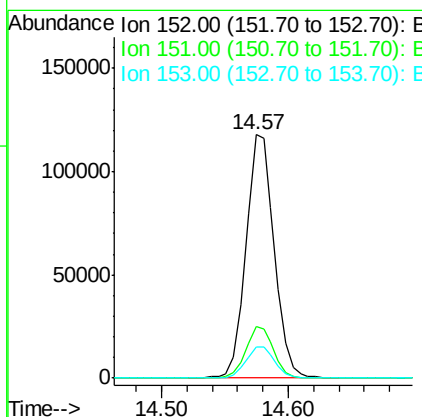
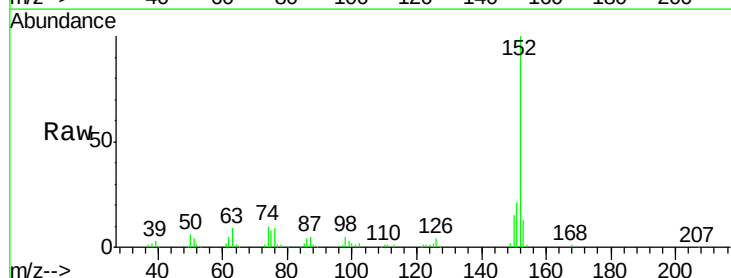
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

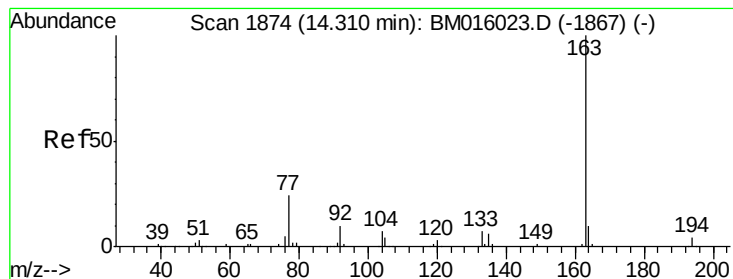
Tgt Ion: 65 Resp: 34292
Ion Ratio Lower Upper
65 100
92 60.5 59.1 88.7
138 87.7 93.9 140.9#



#48
Acenaphthylene
Concen: 20.441 ng
RT: 14.57 min Scan# 1919
Delta R.T. -0.01 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

Tgt Ion: 152 Resp: 181723
Ion Ratio Lower Upper
152 100
151 21.0 15.9 23.9
153 12.9 10.6 16.0





#49

Dimethylphthalate

Concen: 18.995 ng

RT: 14.30 min Scan# 1873

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

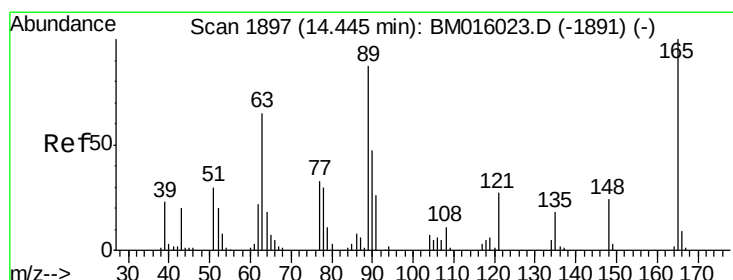
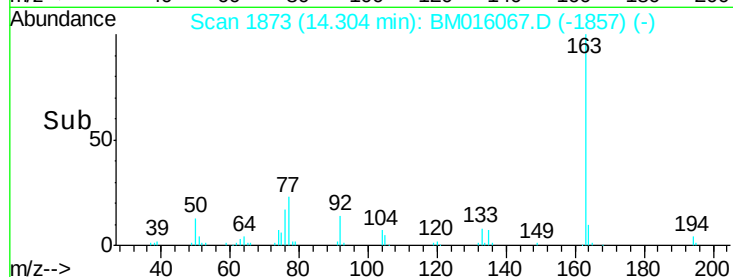
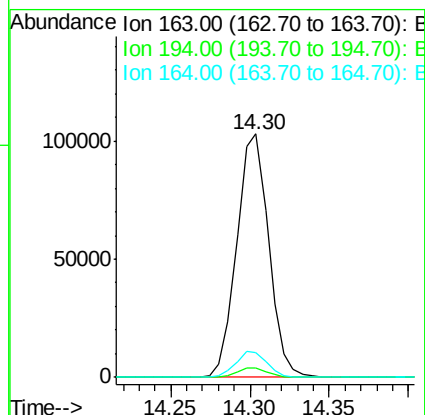
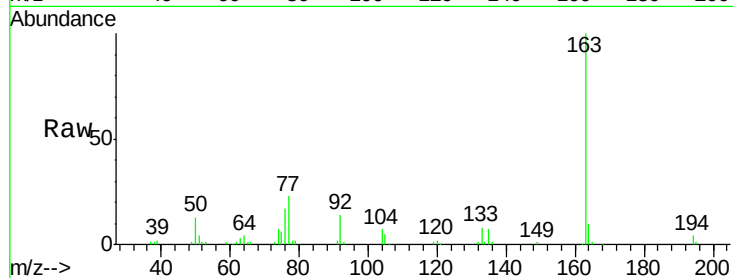
Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

Tgt Ion:	163	Resp:	143825
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.7	4.1
164	9.9	8.2	12.2



#50

2,6-Dinitrotoluene

Concen: 19.069 ng

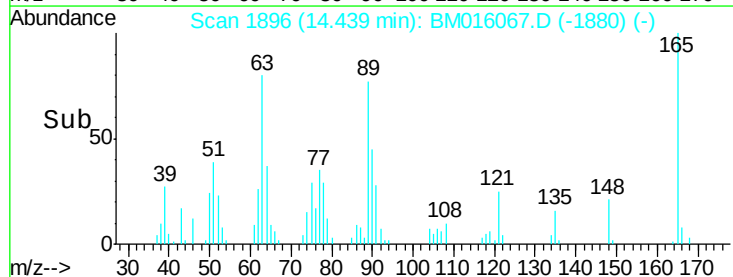
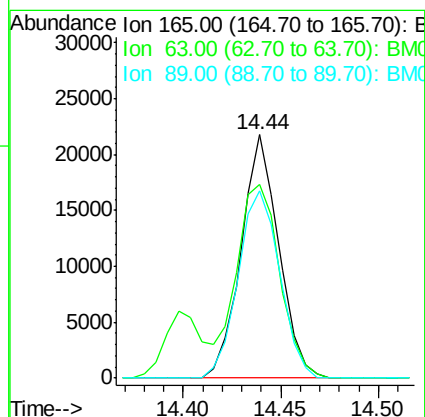
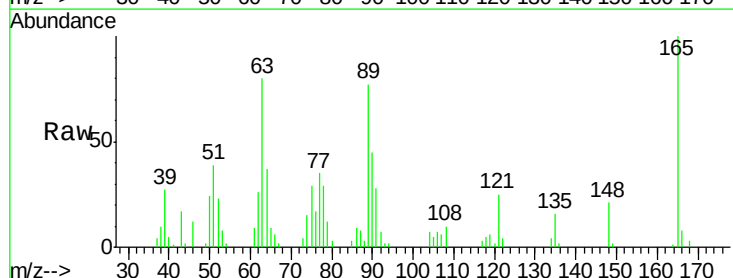
RT: 14.44 min Scan# 1896

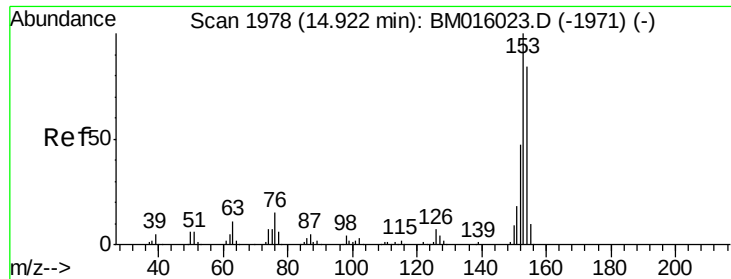
Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

Tgt Ion:	165	Resp:	29051
Ion Ratio	Lower	Upper	
165	100		
63	79.8	44.1	66.1#
89	76.9	44.3	66.5#





#51

Acenaphthene

Concen: 19.294 ng

RT: 14.92 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

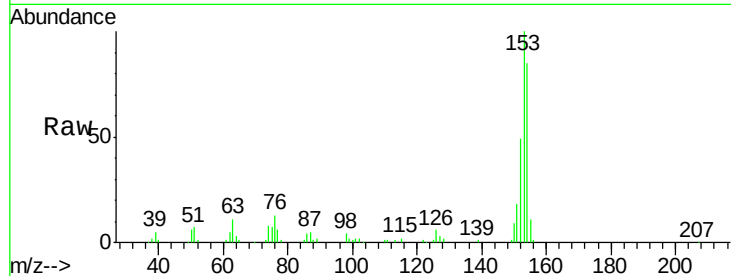
Tgt Ion:154 Resp: 105491

Ion Ratio Lower Upper

154 100

153 117.5 90.0 135.0

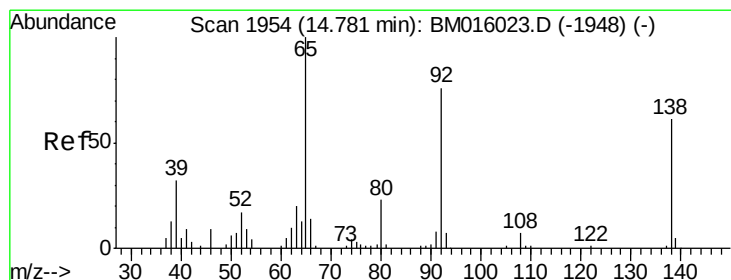
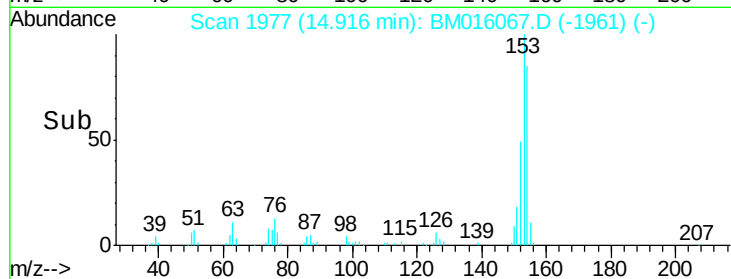
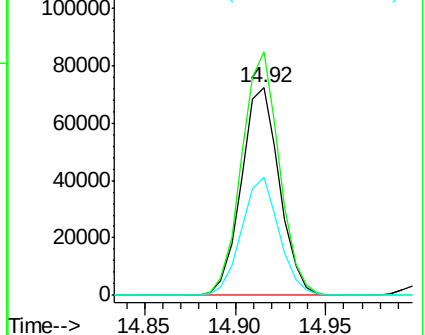
152 57.0 42.6 63.8



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: 14.184 ng

RT: 14.78 min Scan# 1954

Delta R.T. -0.00 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

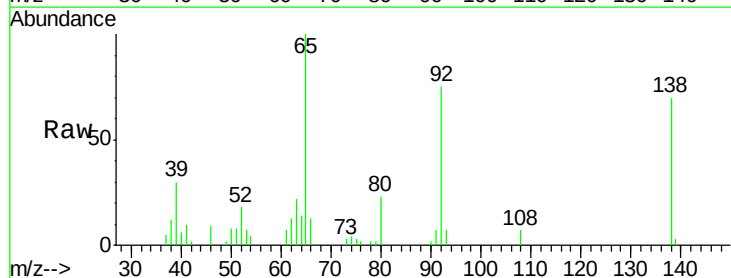
Tgt Ion:138 Resp: 23340

Ion Ratio Lower Upper

138 100

108 9.5 7.3 10.9

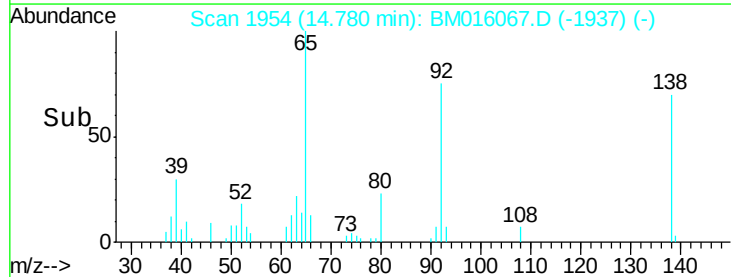
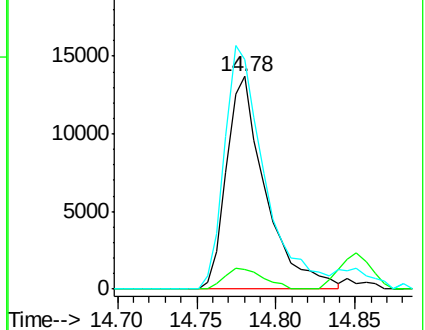
92 108.0 76.6 114.8

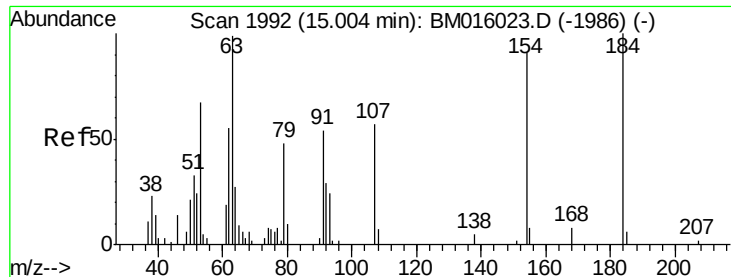


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM

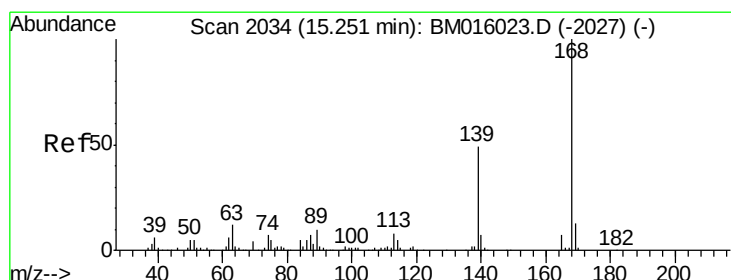
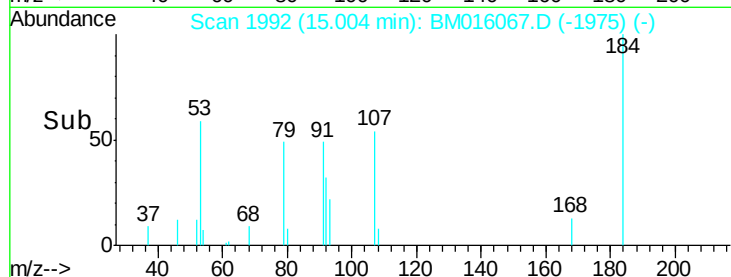
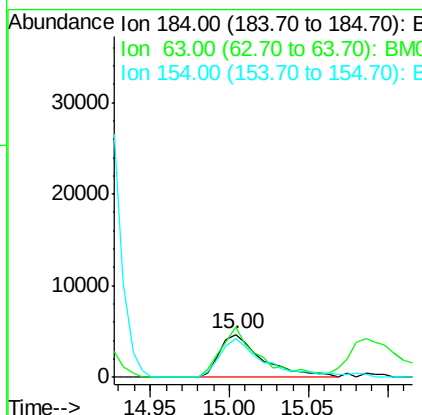
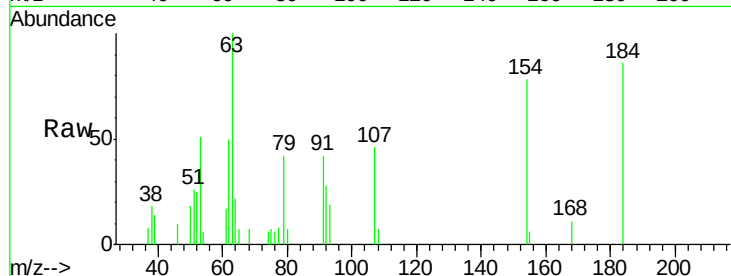




#53
2,4-Dinitrophenol
Concen: 18.480 ng
RT: 15.00 min Scan# 1992
Delta R.T. -0.00 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

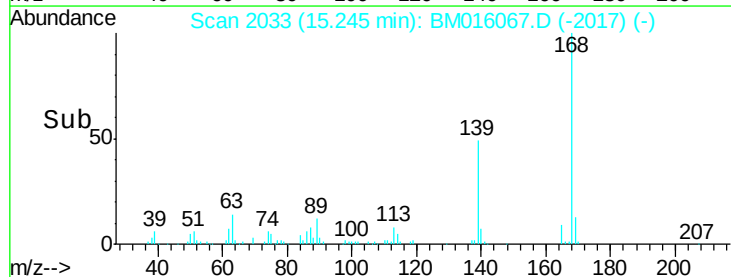
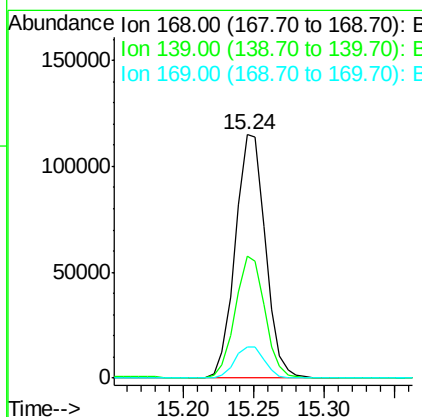
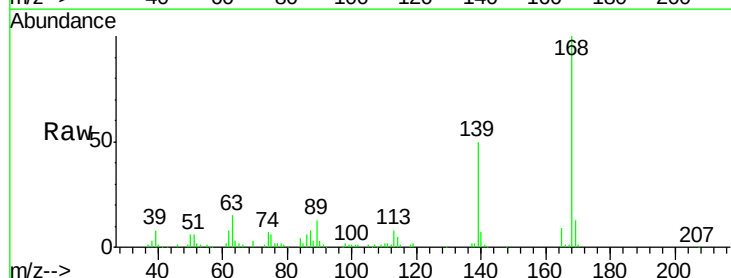
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

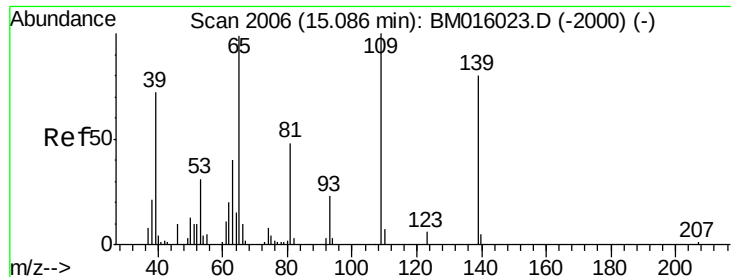
Tgt Ion:184 Resp: 8756
Ion Ratio Lower Upper
184 100
63 116.9 69.2 103.8#
154 90.8 53.3 79.9#



#54
Dibenzofuran
Concen: 18.985 ng
RT: 15.24 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

Tgt Ion:168 Resp: 171059
Ion Ratio Lower Upper
168 100
139 50.2 27.3 40.9#
169 12.6 10.6 16.0

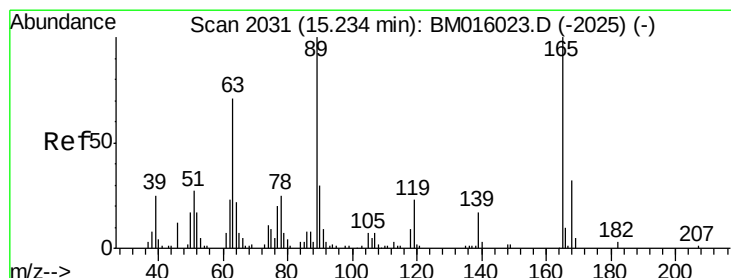
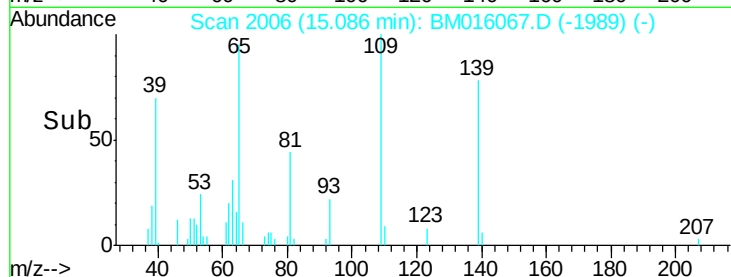
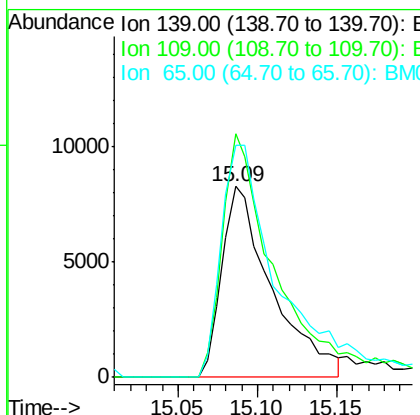
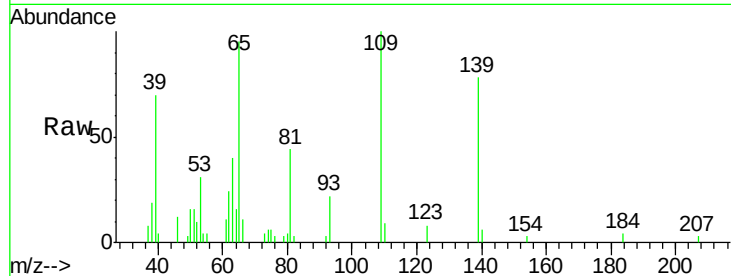




#55
4-Nitrophenol
Concen: 15.390 ng
RT: 15.09 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

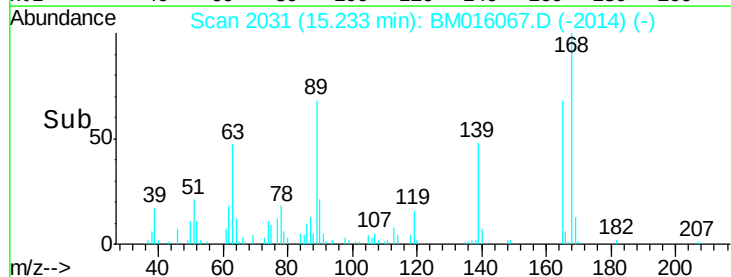
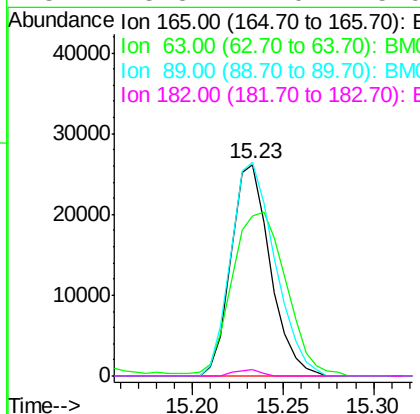
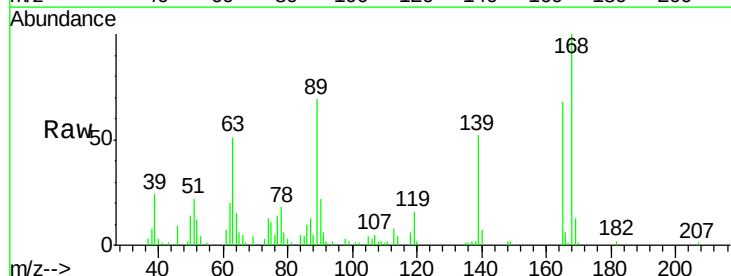
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

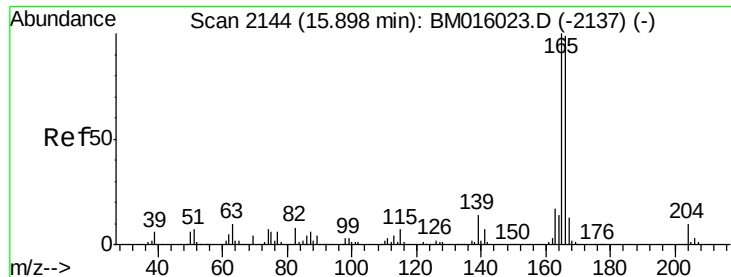
Tgt Ion:139 Resp: 18154
Ion Ratio Lower Upper
139 100
109 127.5 130.0 170.0#
65 121.4 130.0 170.0#



#56
2,4-Dinitrotoluene
Concen: 18.014 ng
RT: 15.23 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

Tgt Ion:165 Resp: 39239
Ion Ratio Lower Upper
165 100
63 75.5 52.4 78.6
89 101.0 72.4 108.6
182 3.3 2.0 3.0#

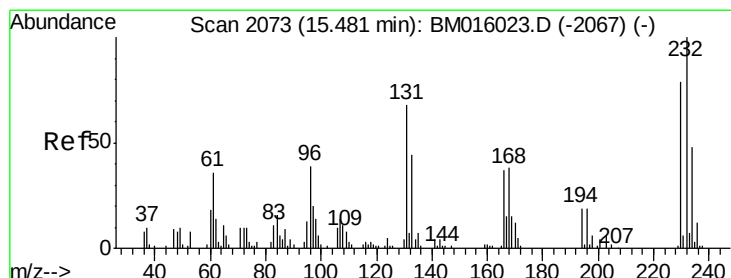
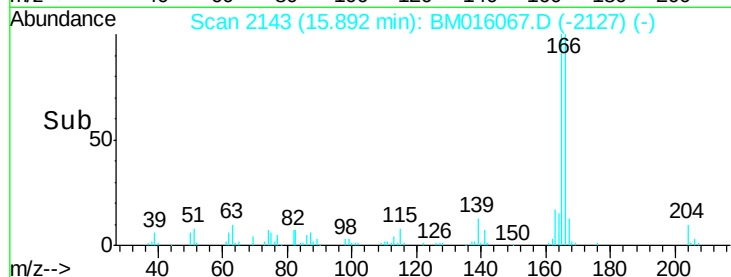
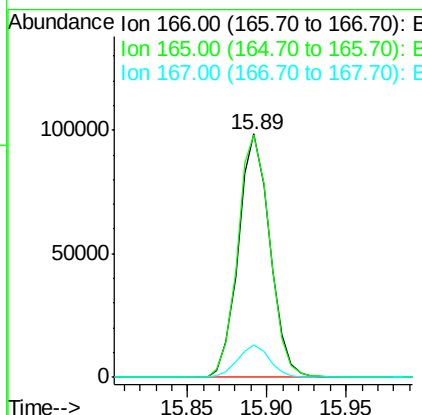
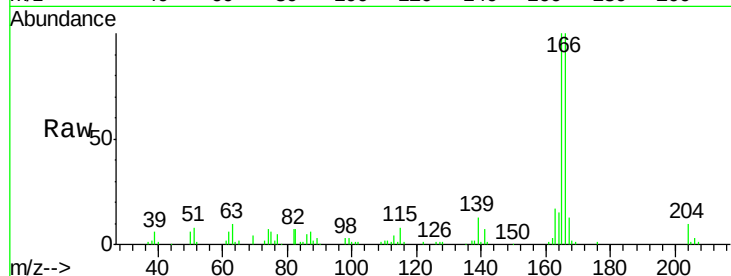




#57
 Fluorene
 Concen: 20.289 ng
 RT: 15.89 min Scan# 2143
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

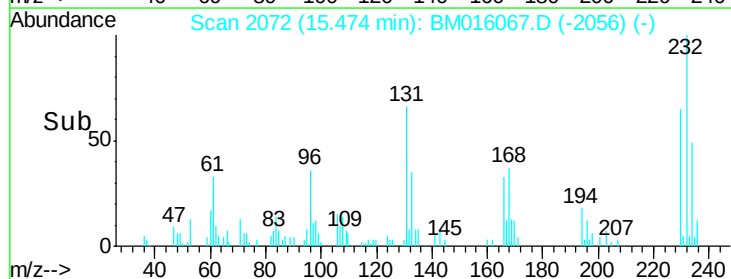
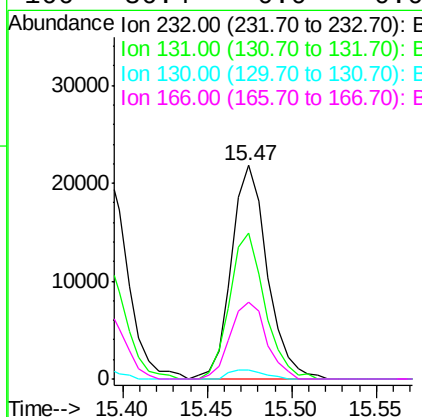
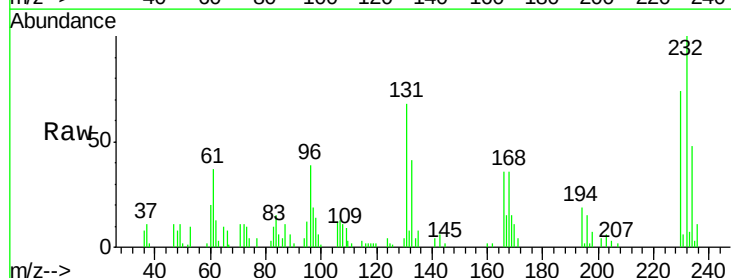
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

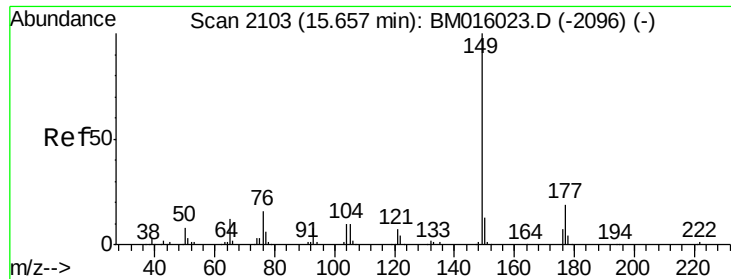
Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.0	118.4
167	13.3	10.3	15.5



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 19.798 ng
 RT: 15.47 min Scan# 2072
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

Tgt Ion	Ratio	Lower	Upper
232	100		
131	66.6	0.0	0.0#
130	4.1	0.0	0.0#
166	36.4	0.0	0.0#

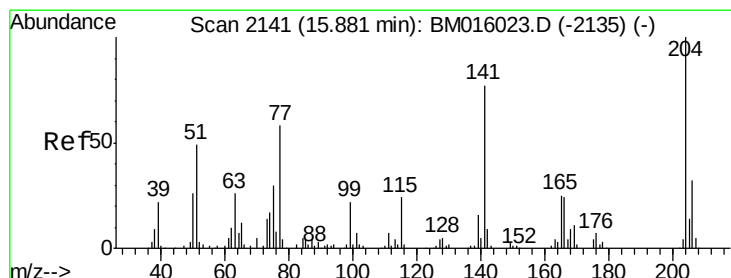
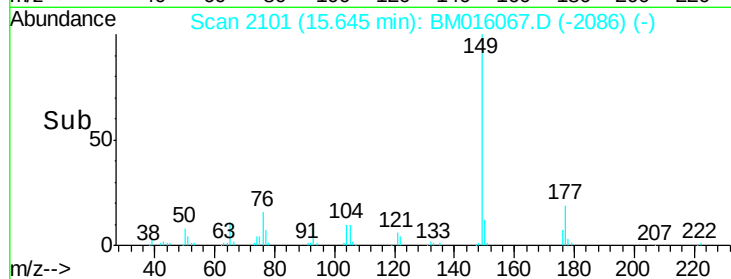
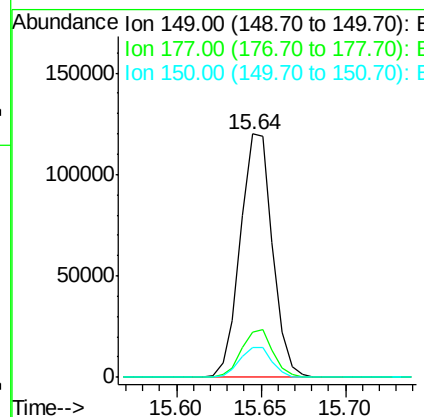
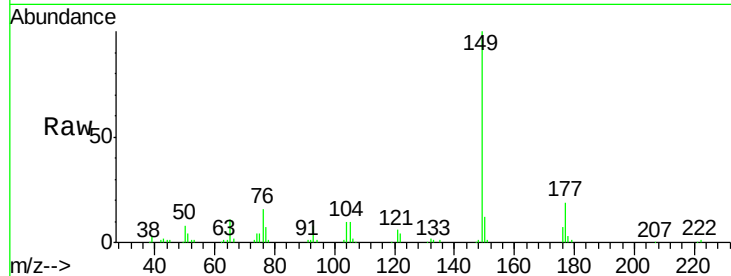




#59
Diethylphthalate
Concen: 19.461 ng
RT: 15.64 min Scan# 2101
Delta R.T. -0.01 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

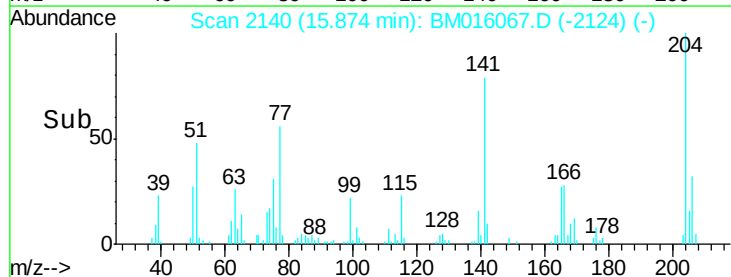
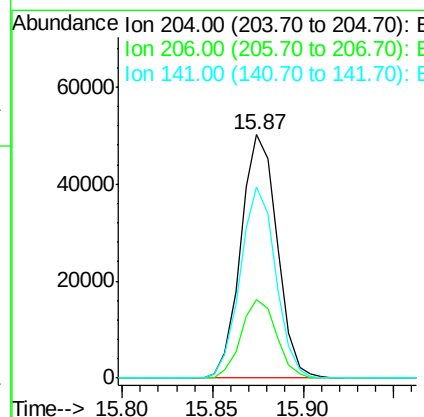
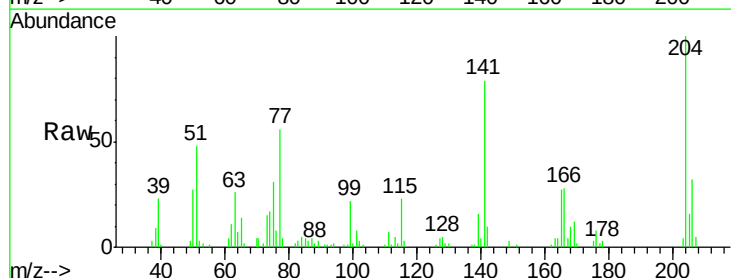
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

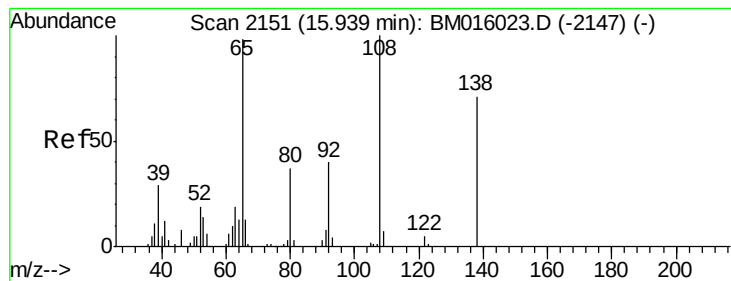
Tgt Ion:149 Resp: 158818
Ion Ratio Lower Upper
149 100
177 18.8 18.3 27.5
150 12.3 9.8 14.8



#60
4-Chlorophenyl-phenylether
Concen: 18.721 ng
RT: 15.87 min Scan# 2140
Delta R.T. -0.01 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

Tgt Ion:204 Resp: 69777
Ion Ratio Lower Upper
204 100
206 32.3 26.6 39.8
141 78.7 45.2 67.8#





#61

4-Nitroaniline

Concen: 15.299 ng

RT: 15.93 min Scan# 2150

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

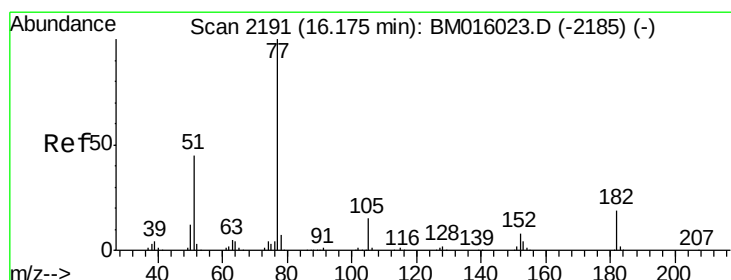
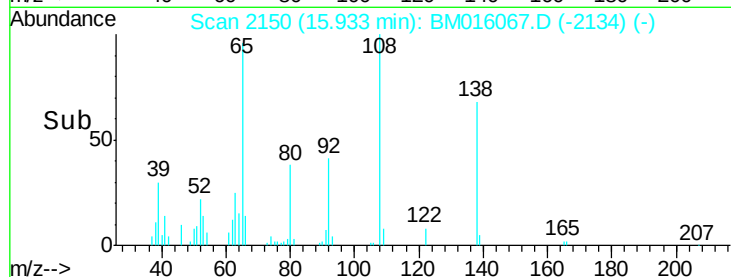
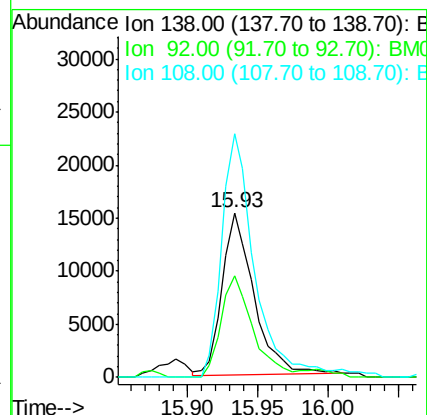
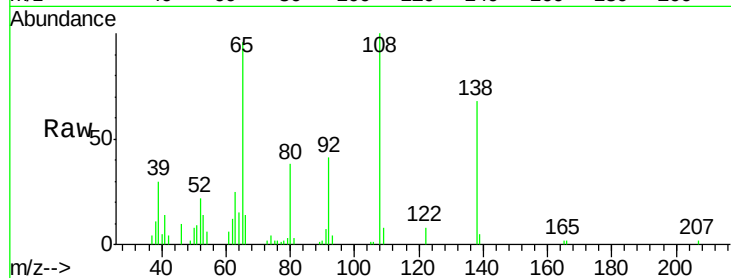
Tgt Ion:138 Resp: 24154

Ion Ratio Lower Upper

138 100

92 61.4 16.7 56.7#

108 148.1 37.6 77.6#



#62

Azobenzene

Concen: 19.946 ng

RT: 16.17 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

Tgt Ion: 77 Resp: 171431

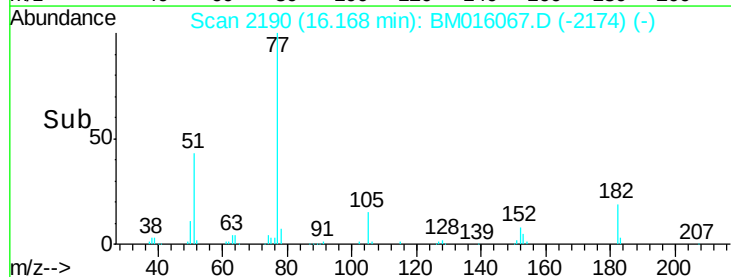
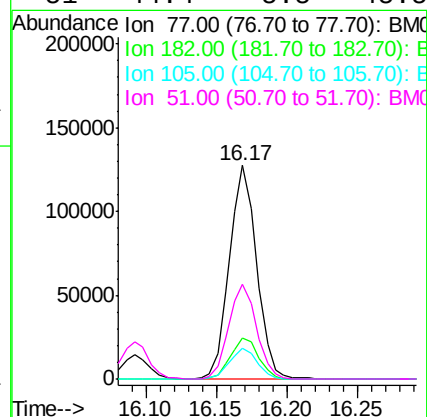
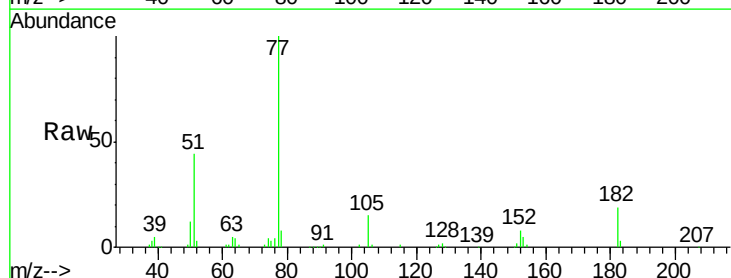
Ion Ratio Lower Upper

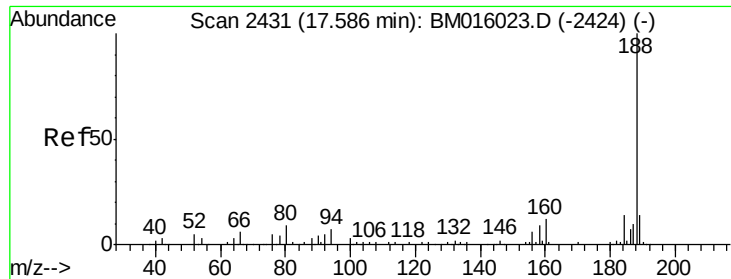
77 100

182 19.3 6.5 46.5

105 14.5 3.8 43.8

51 44.4 5.5 45.5

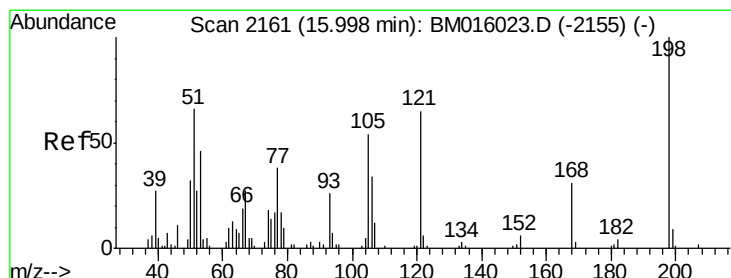
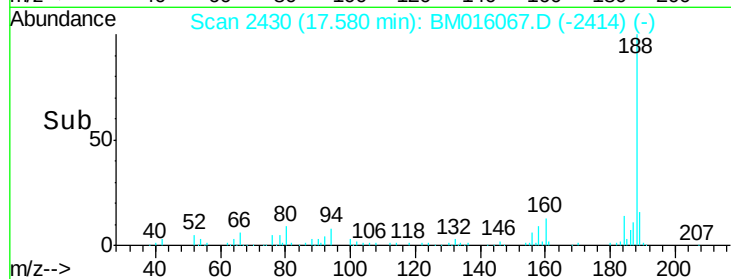
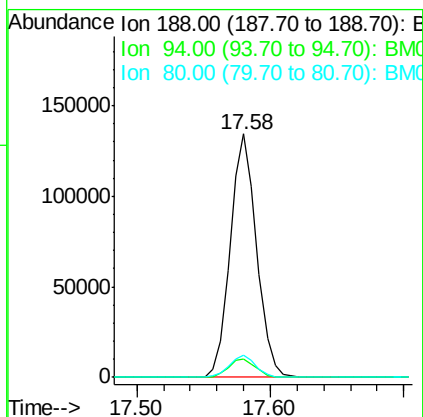
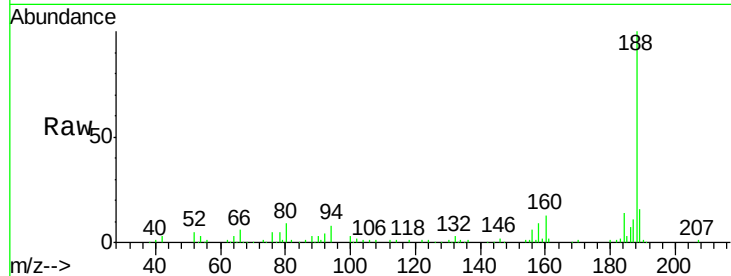




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.58 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

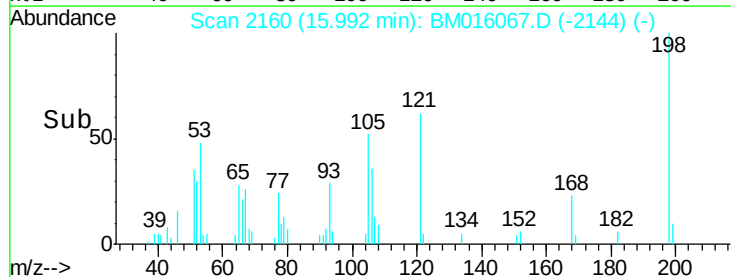
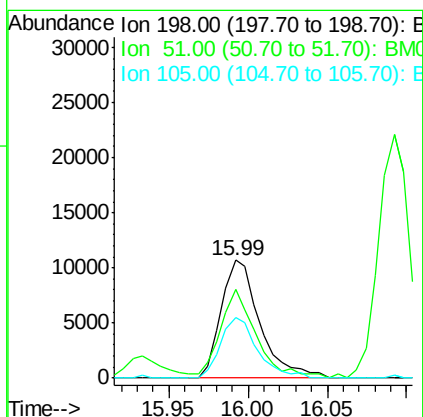
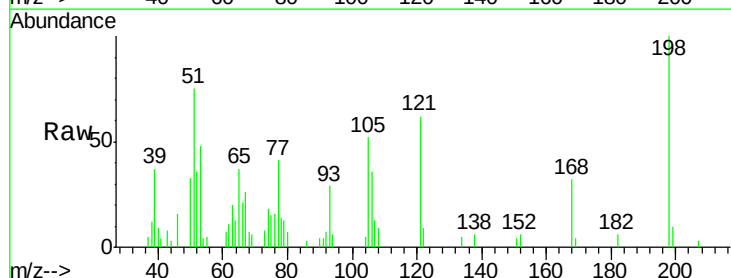
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

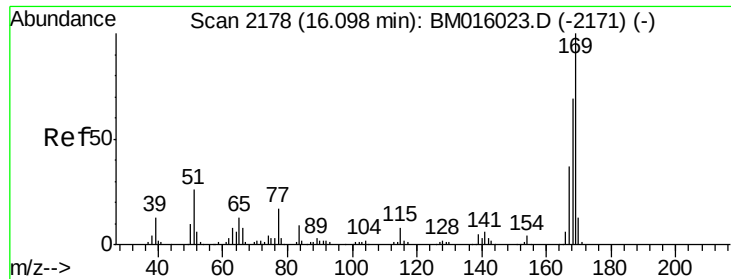
Tgt Ion:188 Resp: 184888
Ion Ratio Lower Upper
188 100
94 7.6 8.7 13.1#
80 8.9 9.3 13.9#



#64
4,6-Dinitro-2-methylphenol
Concen: 16.096 ng
RT: 15.99 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

Tgt Ion:198 Resp: 18063
Ion Ratio Lower Upper
198 100
51 75.1 28.8 68.8#
105 52.0 30.5 70.5

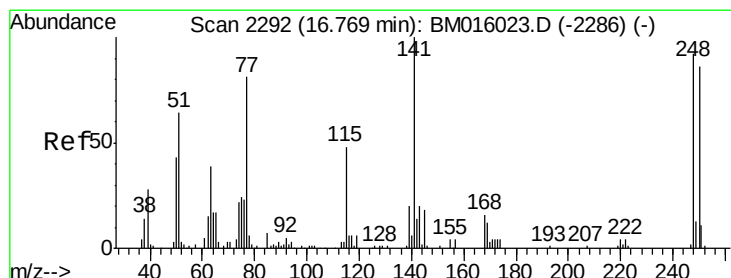
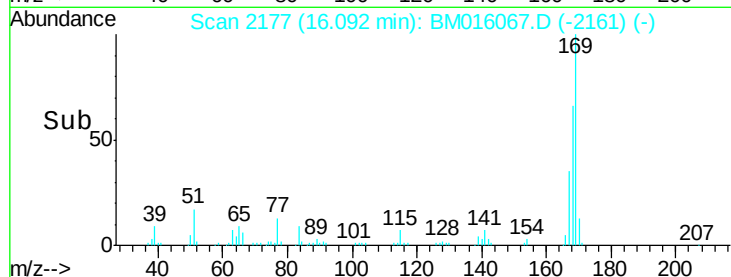
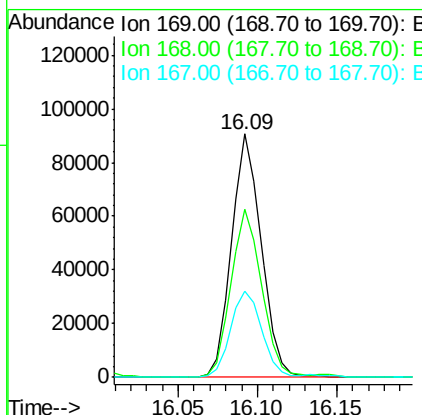
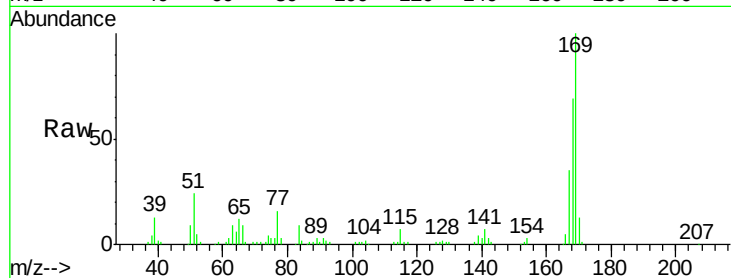




#65
 n-Nitrosodiphenylamine
 Concen: 19.371 ng
 RT: 16.09 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

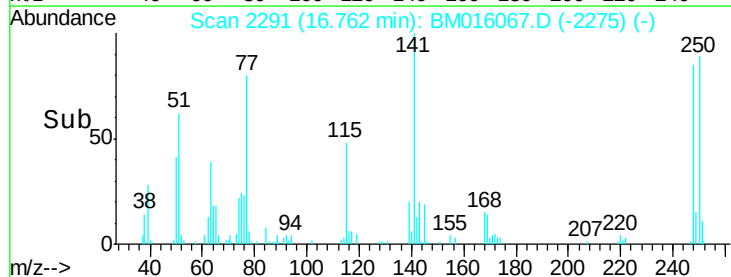
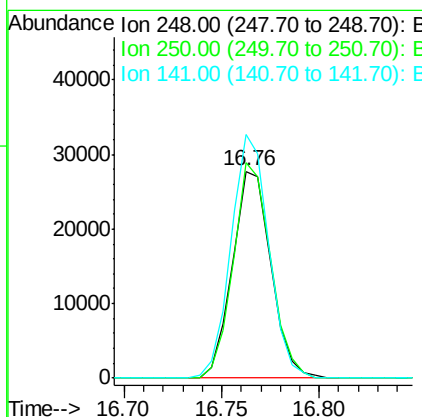
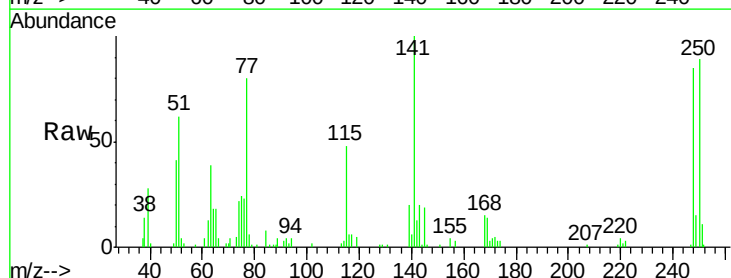
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

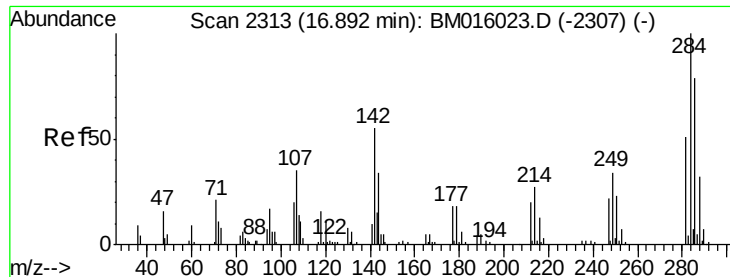
Tgt Ion:169 Resp: 117930
 Ion Ratio Lower Upper
 169 100
 168 68.9 53.9 80.9
 167 35.4 28.9 43.3



#66
 4-Bromophenyl-phenylether
 Concen: 18.117 ng
 RT: 16.76 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

Tgt Ion:248 Resp: 37929
 Ion Ratio Lower Upper
 248 100
 250 104.4 77.4 116.0
 141 117.7 45.2 67.8#

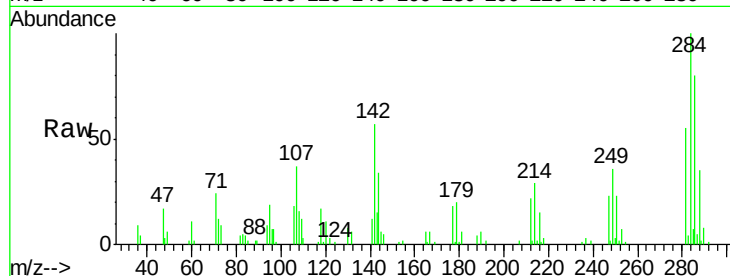




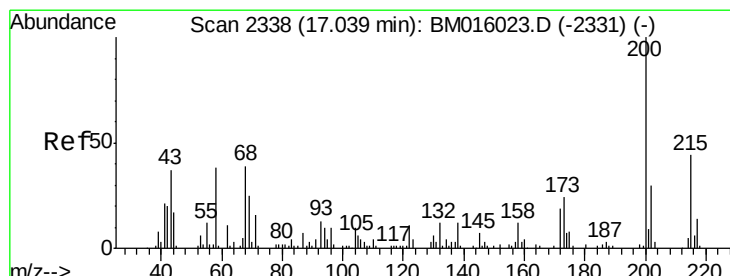
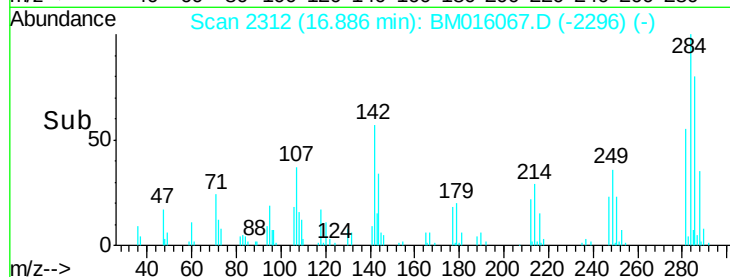
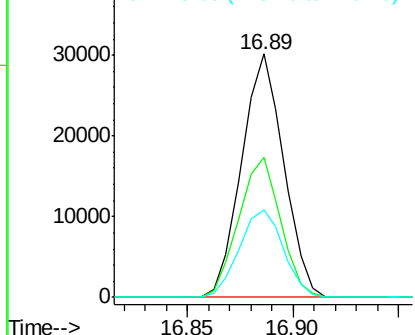
#67
Hexachlorobenzene
Concen: 18.096 ng
RT: 16.89 min Scan# 2312
Delta R.T. -0.01 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

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

Tgt Ion:284 Resp: 41721
Ion Ratio Lower Upper
284 100
142 57.3 20.4 30.6#
249 36.1 23.8 35.6#

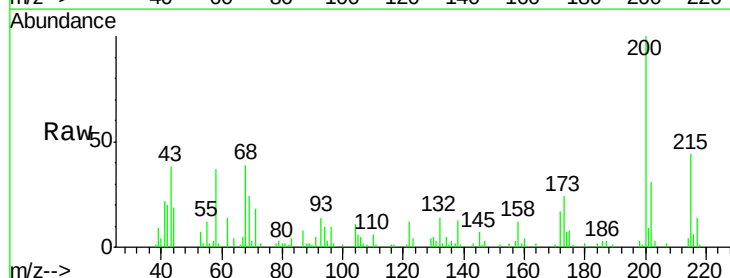


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

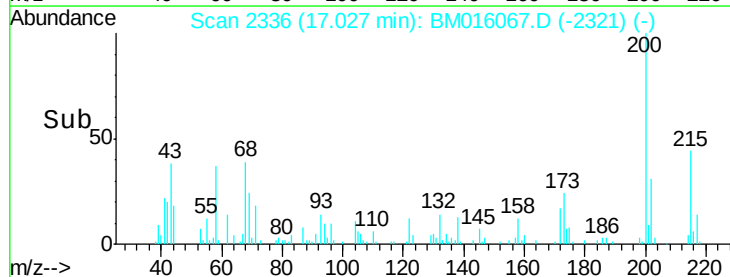
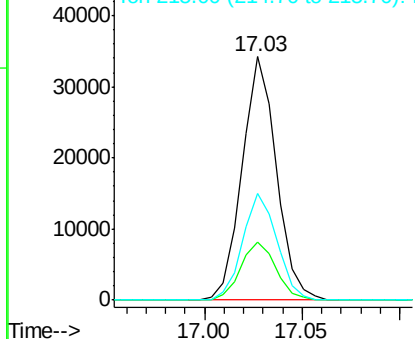


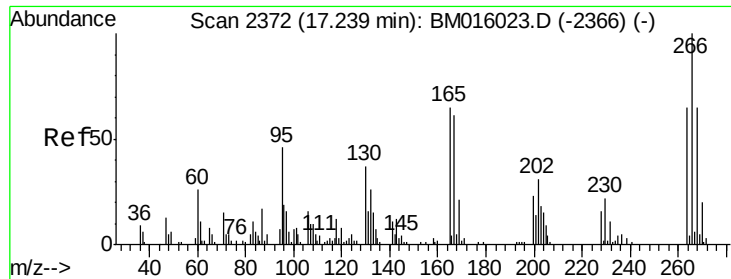
#68
Atrazine
Concen: 19.088 ng
RT: 17.03 min Scan# 2336
Delta R.T. -0.01 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

Tgt Ion:200 Resp: 41650
Ion Ratio Lower Upper
200 100
173 23.9 4.8 44.8
215 43.7 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

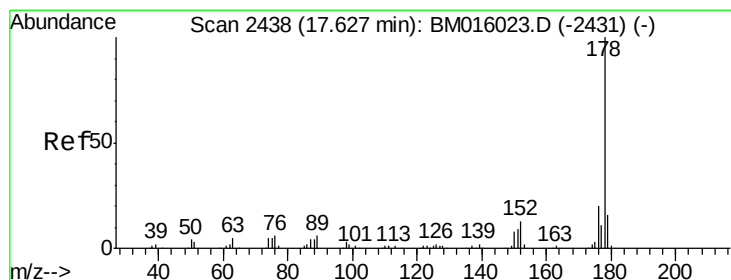
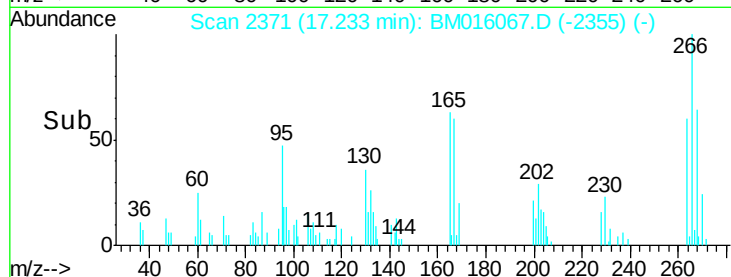
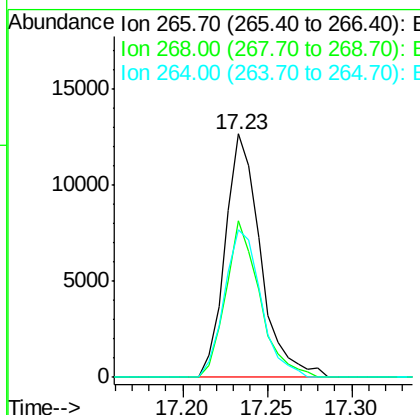
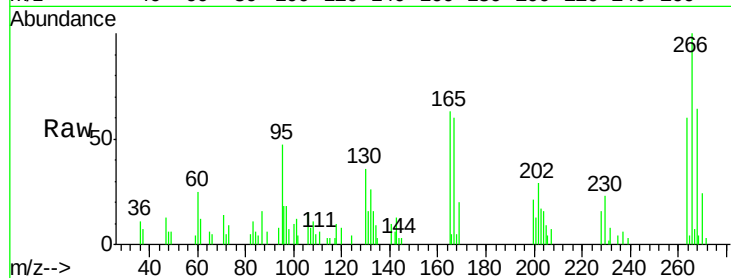




#69
 Pentachlorophenol
 Concen: 12.895 ng
 RT: 17.23 min Scan# 2371
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

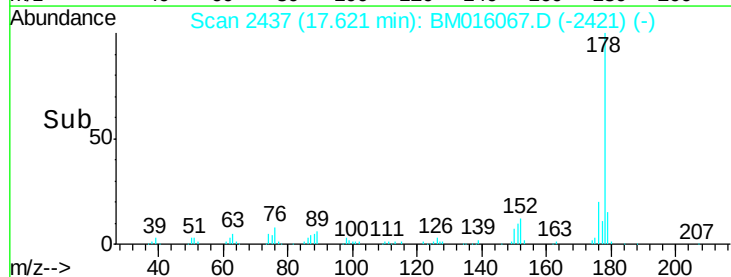
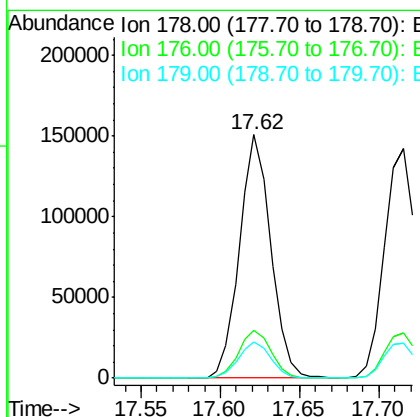
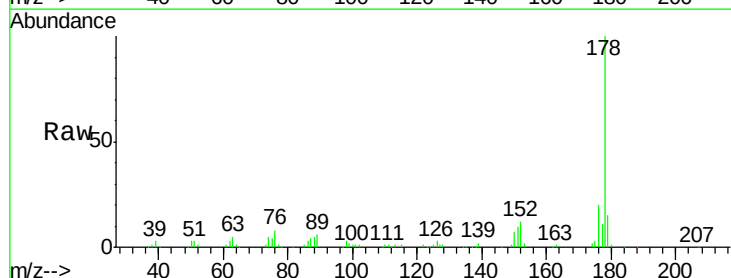
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

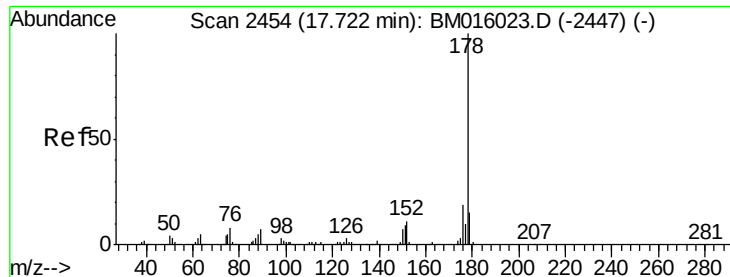
Tgt Ion:266 Resp: 18410
 Ion Ratio Lower Upper
 266 100
 268 68.1 52.0 78.0
 264 60.4 49.0 73.4



#70
 Phenanthrene
 Concen: 19.982 ng
 RT: 17.62 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

Tgt Ion:178 Resp: 206835
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.2 22.8
 179 14.9 12.1 18.1

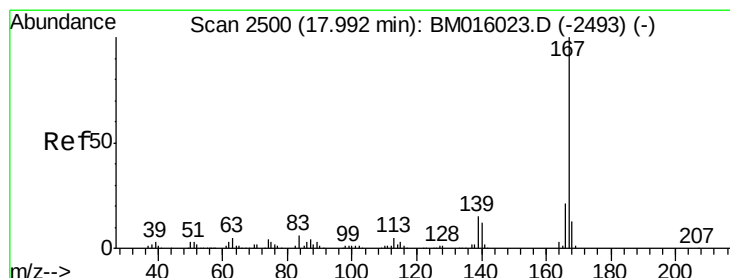
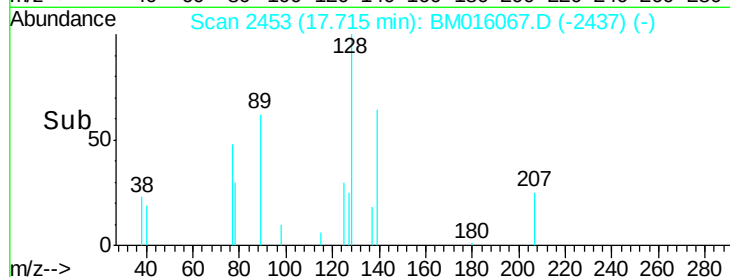
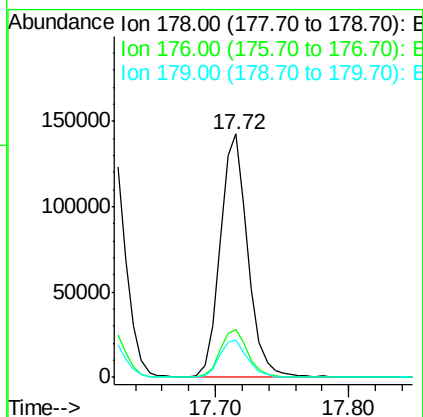
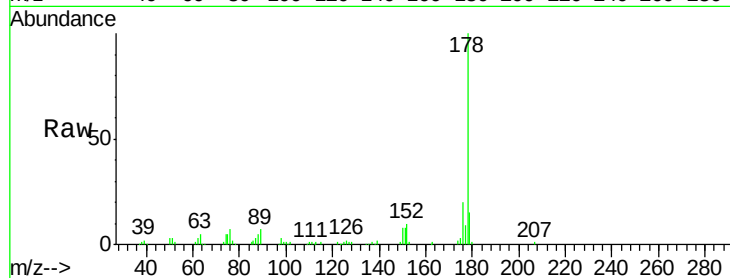




#71
 Anthracene
 Concen: 20.621 ng
 RT: 17.72 min Scan# 2453
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

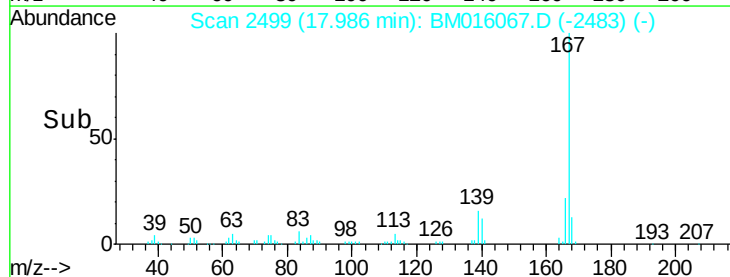
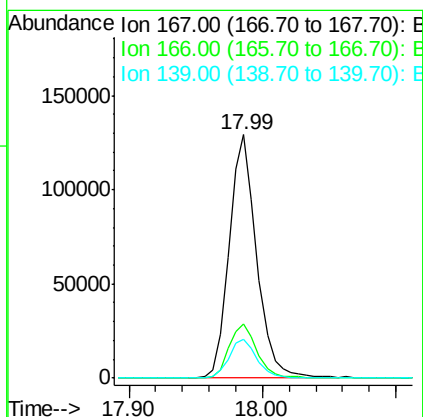
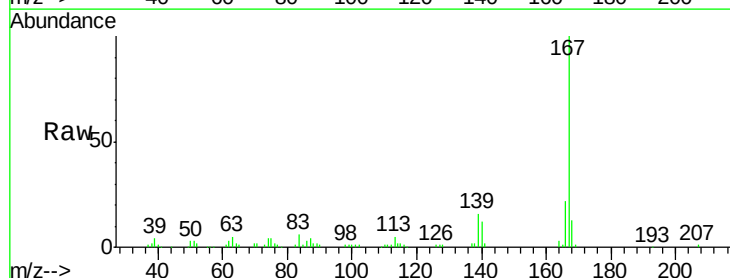
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

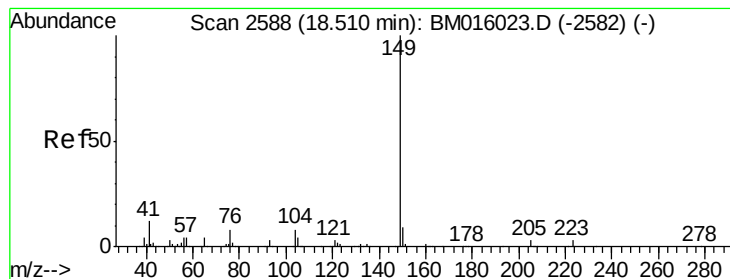
Tgt Ion:178 Resp: 207457
 Ion Ratio Lower Upper
 178 100
 176 19.6 14.6 22.0
 179 15.3 12.6 19.0



#72
 Carbazole
 Concen: 17.822 ng
 RT: 17.99 min Scan# 2499
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

Tgt Ion:167 Resp: 185748
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.2 25.8
 139 16.1 10.8 16.2





#73

Di-n-butylphthalate

Concen: 18.205 ng

RT: 18.50 min Scan# 2587

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

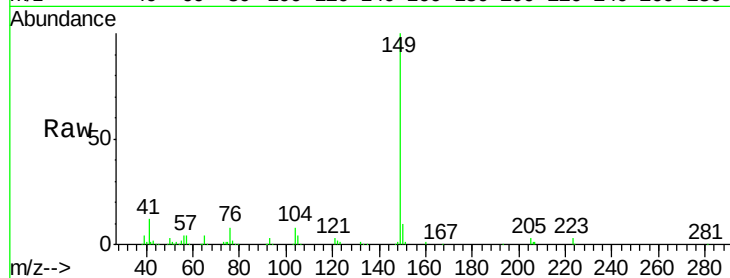
Tgt Ion:149 Resp: 236426

Ion Ratio Lower Upper

149 100

150 9.6 7.5 11.3

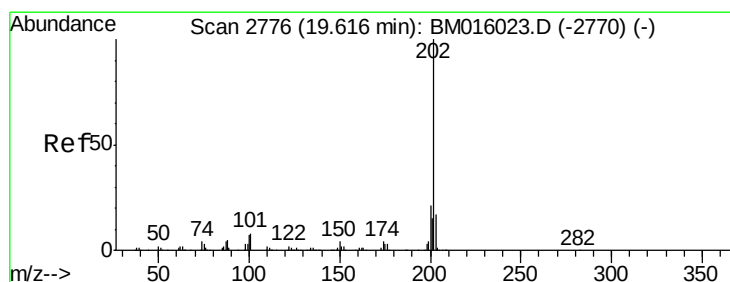
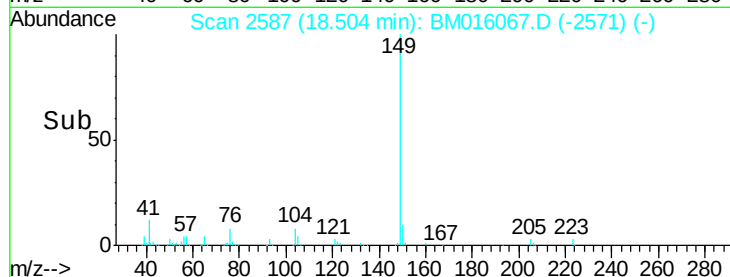
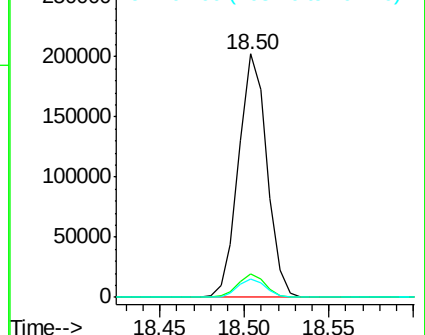
104 7.7 3.7 5.5#



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: 19.741 ng

RT: 19.61 min Scan# 2775

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

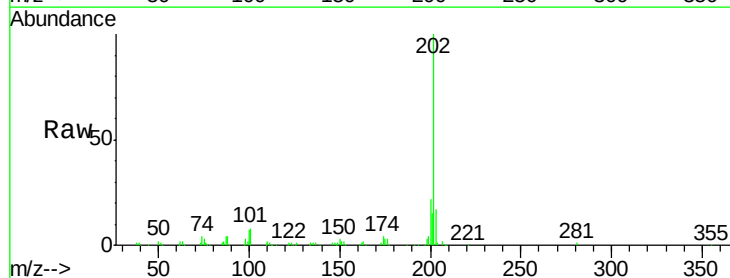
Tgt Ion:202 Resp: 227941

Ion Ratio Lower Upper

202 100

101 8.2 0.0 28.7

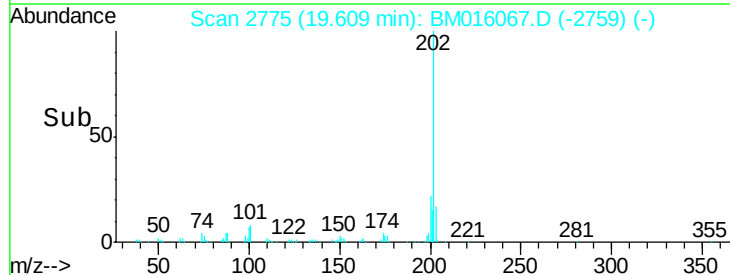
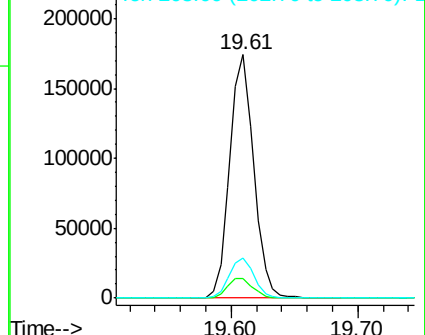
203 16.5 0.0 37.2

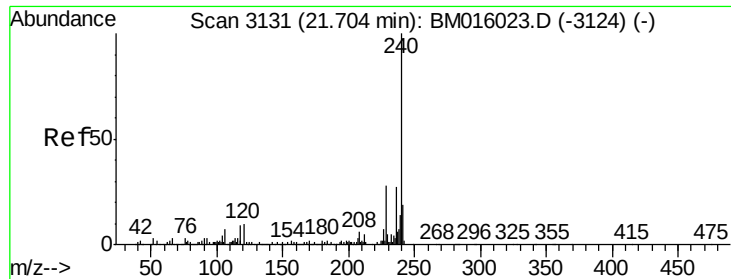


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

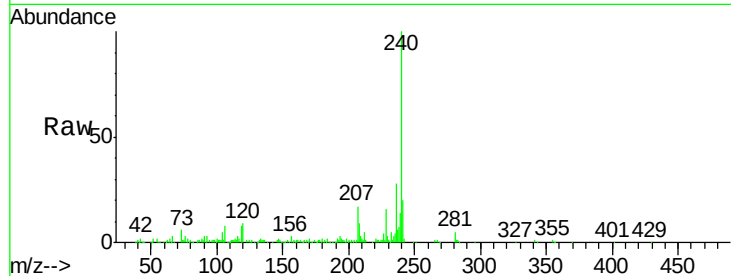
Tgt Ion:240 Resp: 190946

Ion Ratio Lower Upper

240 100

120 8.7 8.2 12.2

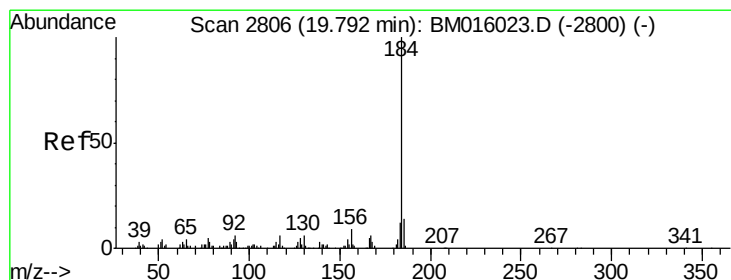
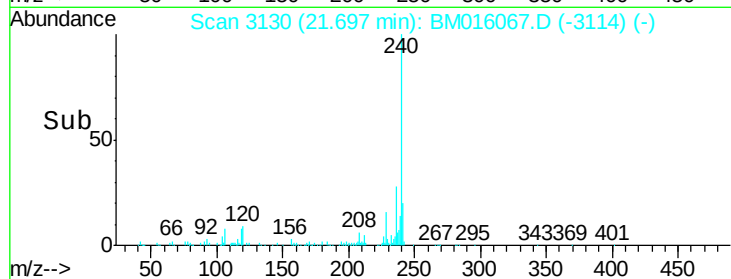
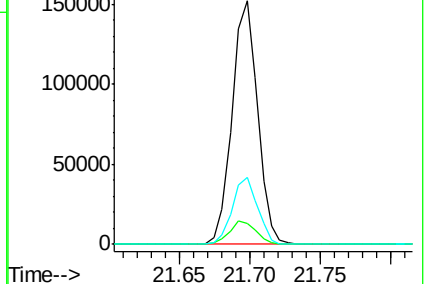
236 27.6 20.0 30.0



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: 12.286 ng

RT: 19.79 min Scan# 2806

Delta R.T. -0.00 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

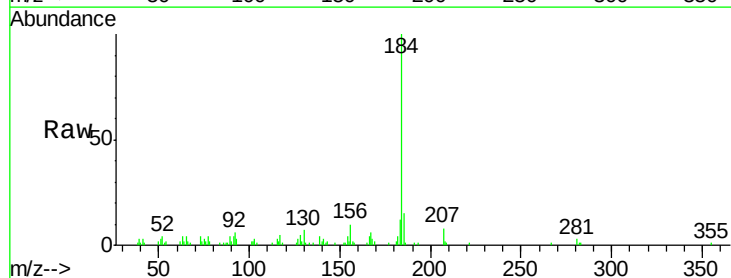
Tgt Ion:184 Resp: 65558

Ion Ratio Lower Upper

184 100

185 14.9 11.3 16.9

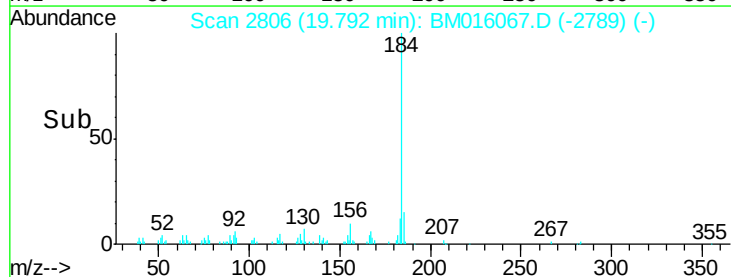
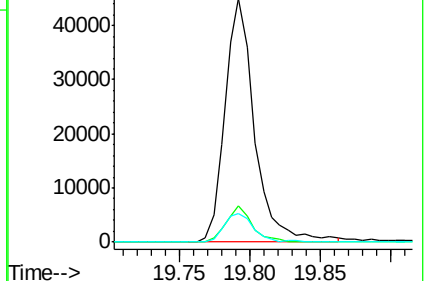
183 12.0 8.9 13.3

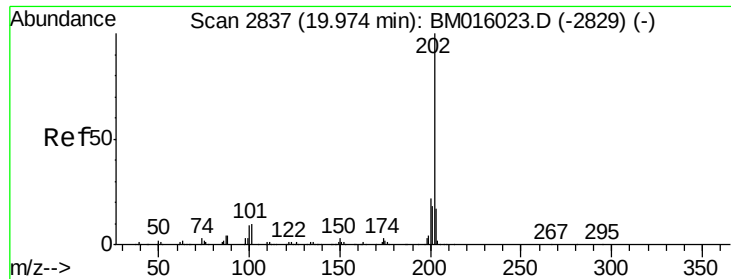


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

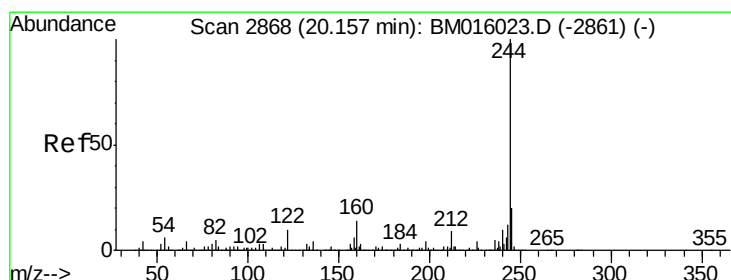
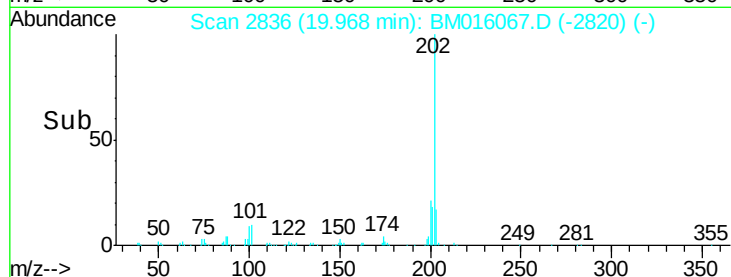
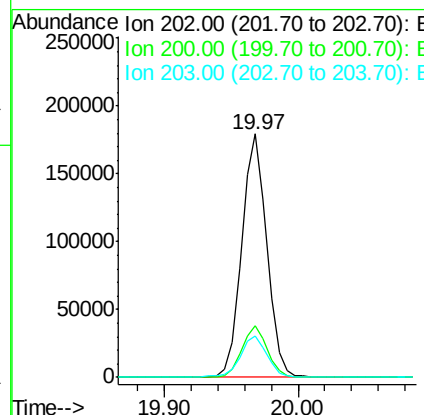
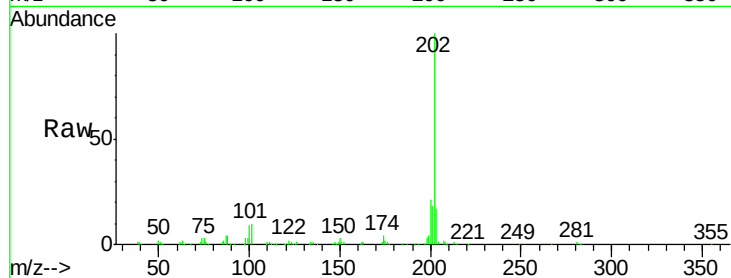




#77
 Pyrene
 Concen: 20.354 ng
 RT: 19.97 min Scan# 2836
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

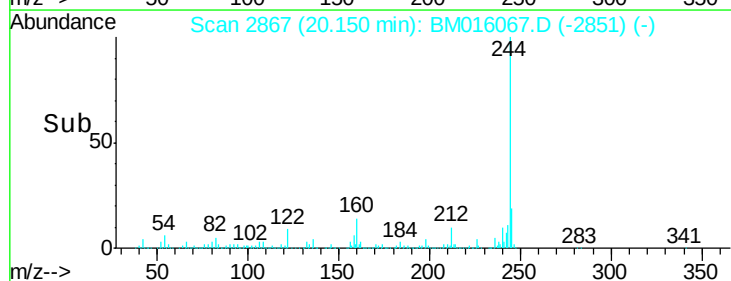
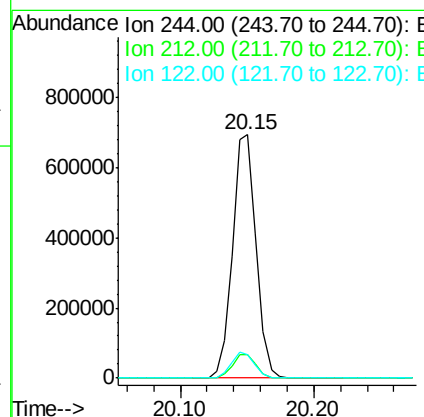
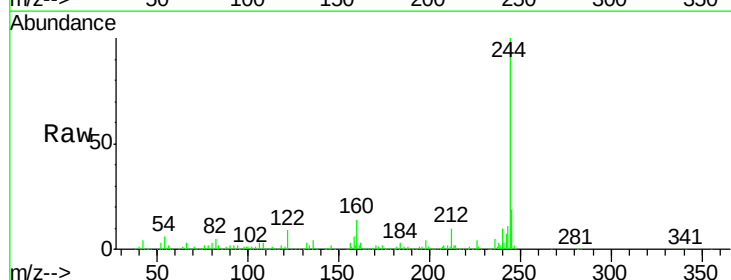
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

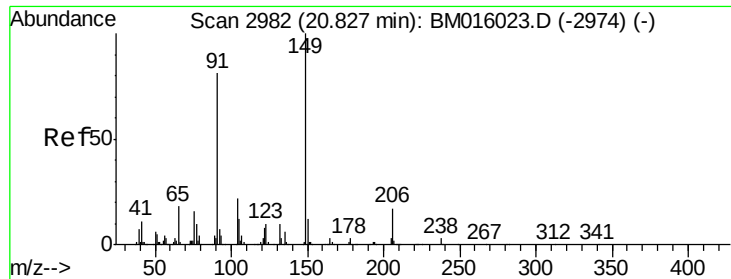
Tgt Ion:	202	Resp:	232902
Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	17.2	14.1	21.1



#78
 Terphenyl-d14
 Concen: 20.354 ng
 RT: 20.15 min Scan# 2867
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

Tgt Ion:	244	Resp:	855792
Ion	Ratio	Lower	Upper
244	100		
212	9.7	4.9	7.3#
122	9.4	6.2	9.4#

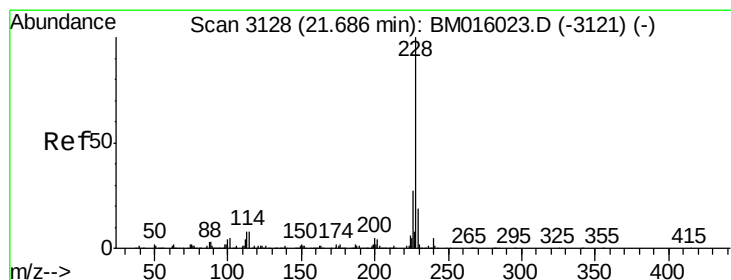
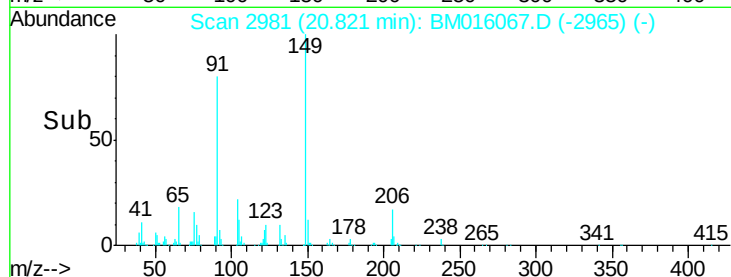
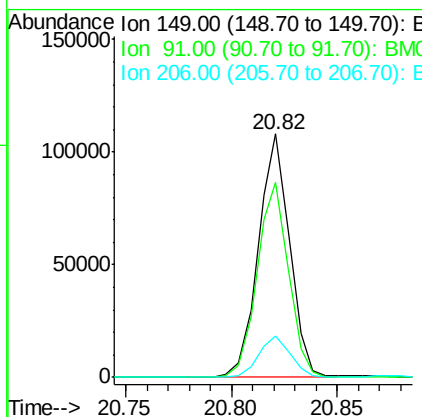
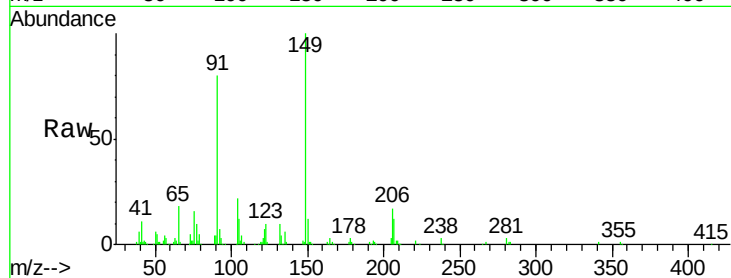




#79
Butylbenzylphthalate
Concen: 18.972 ng
RT: 20.82 min Scan# 2981
Delta R.T. -0.01 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

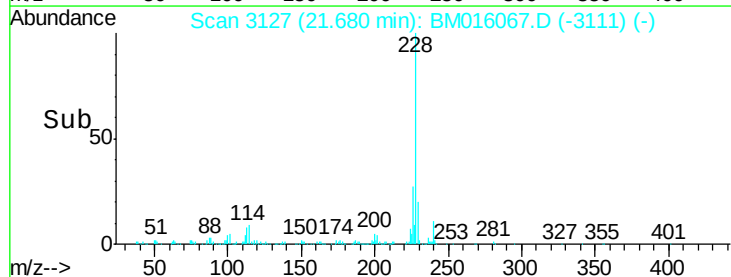
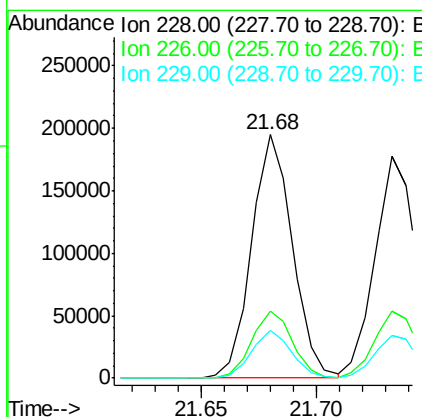
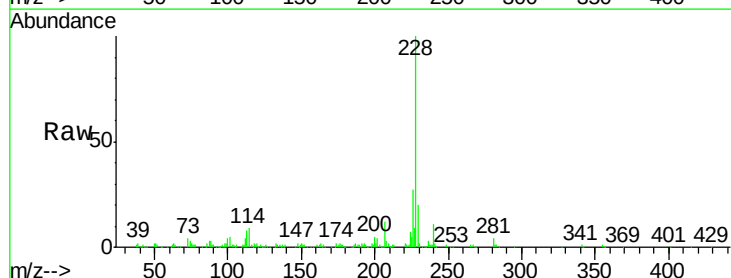
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

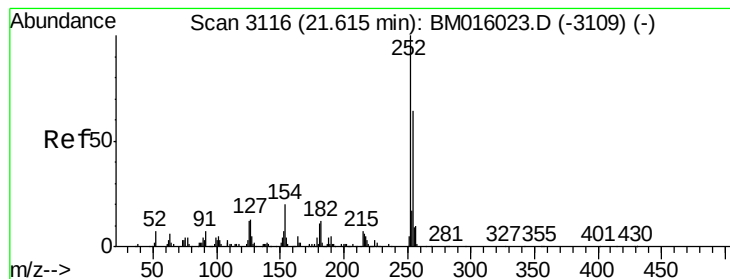
Tgt Ion:149 Resp: 110283
Ion Ratio Lower Upper
149 100
91 80.3 50.1 75.1#
206 16.7 16.2 24.2



#80
Benzo(a)anthracene
Concen: 20.427 ng
RT: 21.68 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BM016067.D
Acq: 24 Jul 2018 22:09

Tgt Ion:228 Resp: 240230
Ion Ratio Lower Upper
228 100
226 27.4 21.7 32.5
229 19.6 16.0 24.0





#81

3,3'-Dichlorobenzidine

Concen: 11.423 ng

RT: 21.61 min Scan# 3115

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

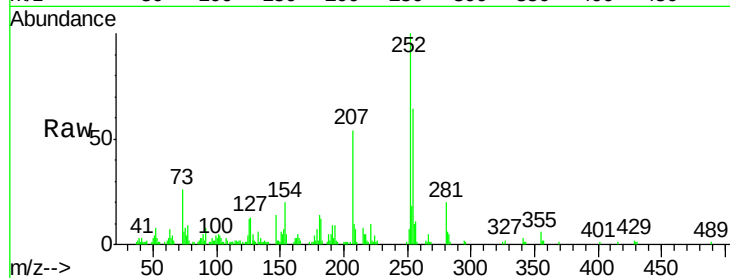
Tgt Ion:252 Resp: 54112

Ion Ratio Lower Upper

252 100

254 64.3 51.9 77.9

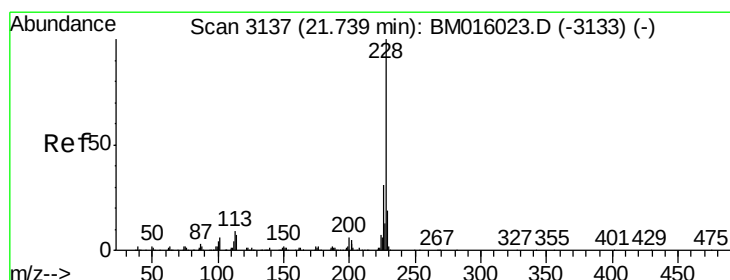
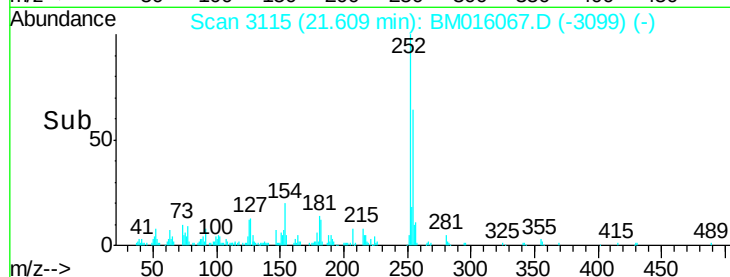
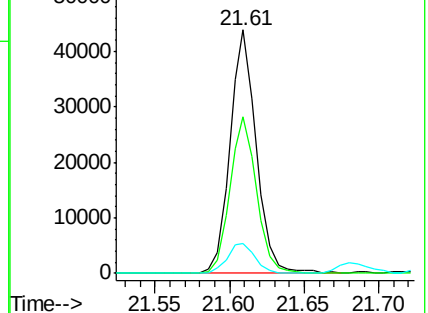
126 12.4 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 19.792 ng

RT: 21.73 min Scan# 3136

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

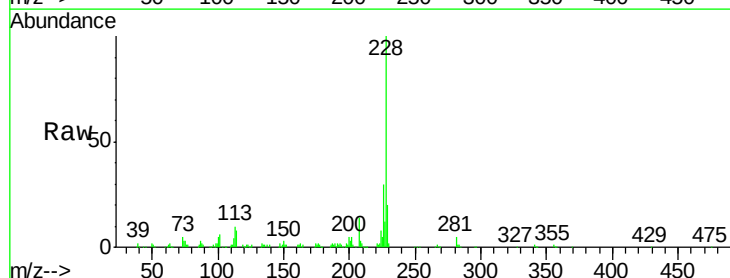
Tgt Ion:228 Resp: 223284

Ion Ratio Lower Upper

228 100

226 30.2 24.1 36.1

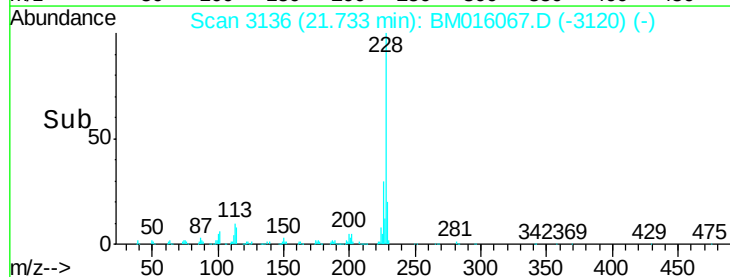
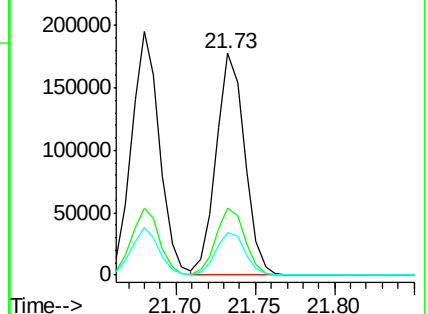
229 19.5 15.5 23.3

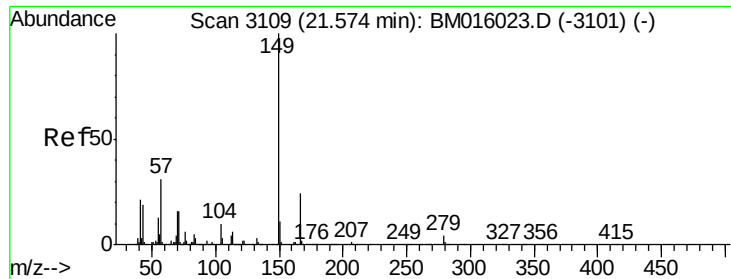


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 18.542 ng

RT: 21.57 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

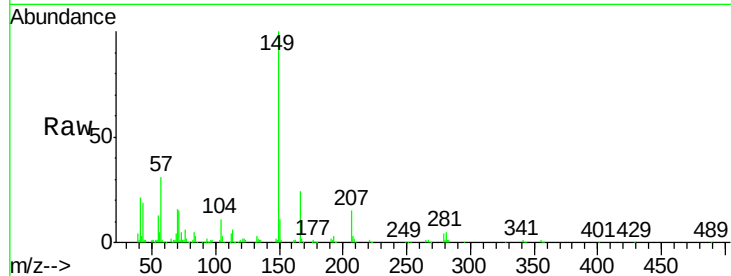
Tgt Ion:149 Resp: 156205

Ion Ratio Lower Upper

149 100

167 23.8 22.4 33.6

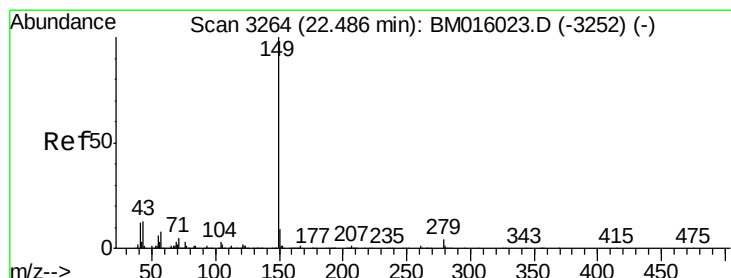
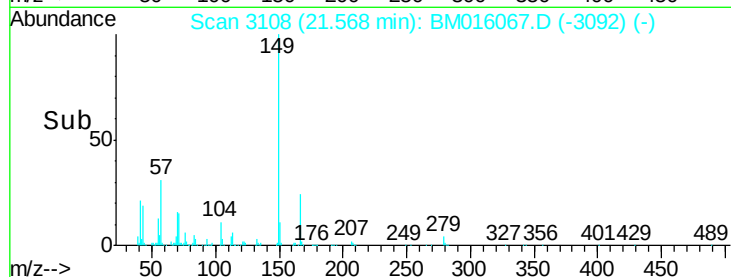
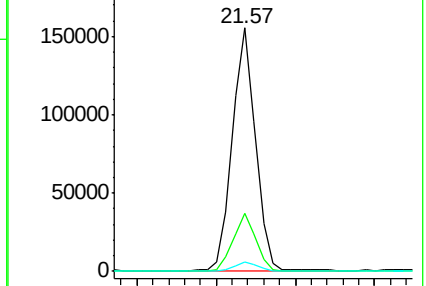
279 3.7 3.4 5.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 19.103 ng

RT: 22.48 min Scan# 3263

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

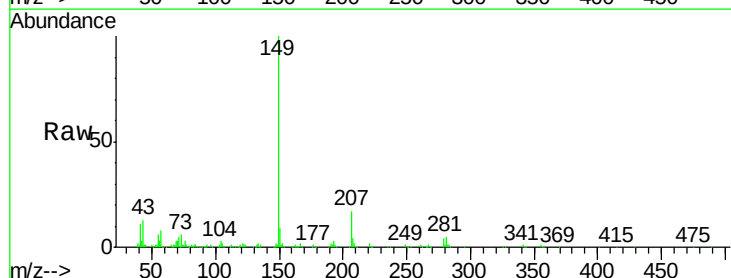
Tgt Ion:149 Resp: 270479

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

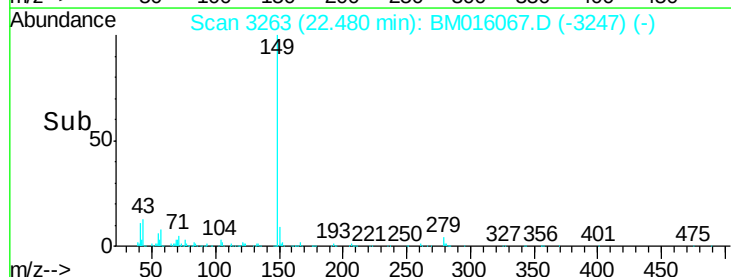
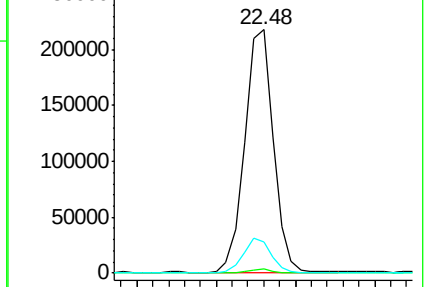
43 14.0 7.3 10.9#

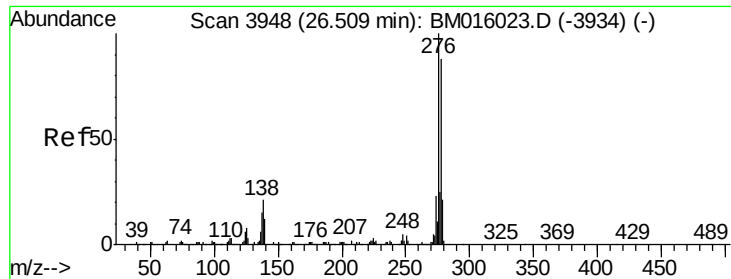


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM0

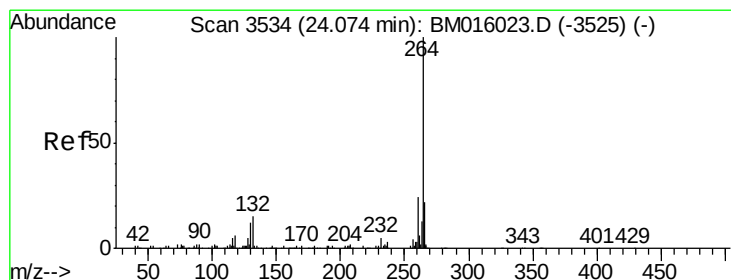
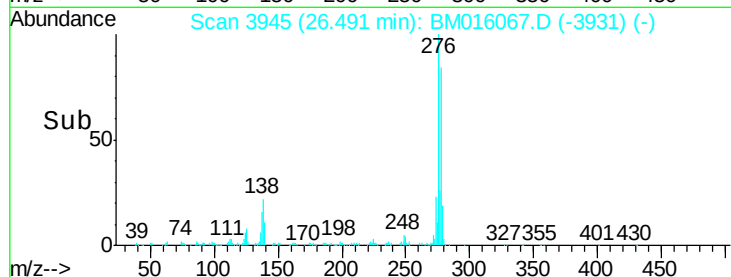
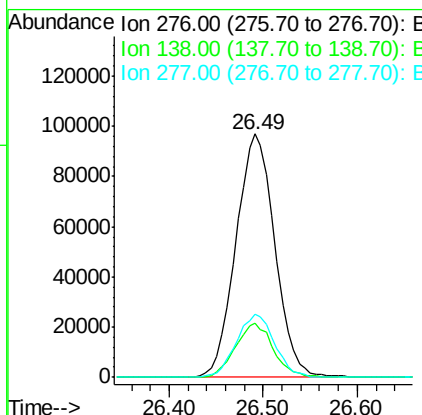
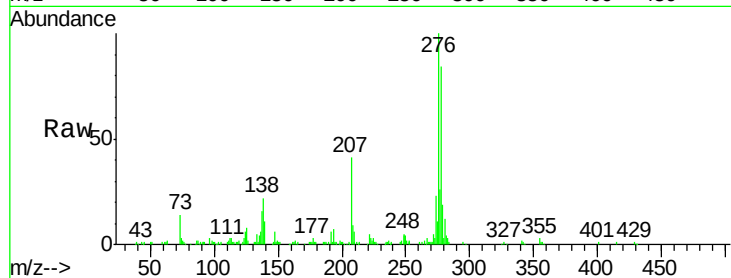




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 20.774 ng
 RT: 26.49 min Scan# 3945
 Delta R.T. -0.02 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

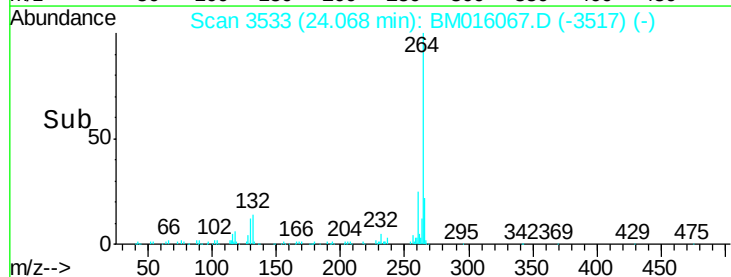
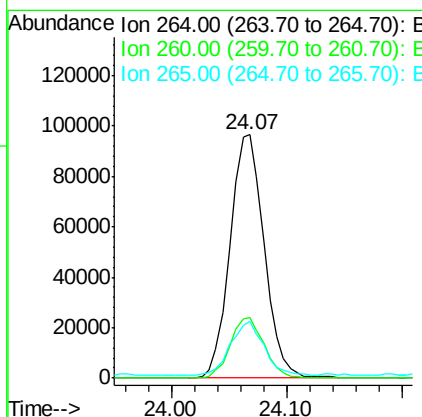
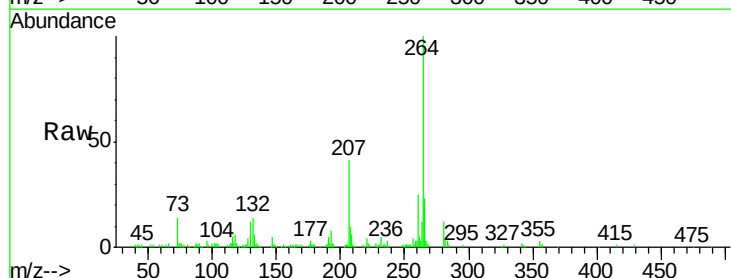
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

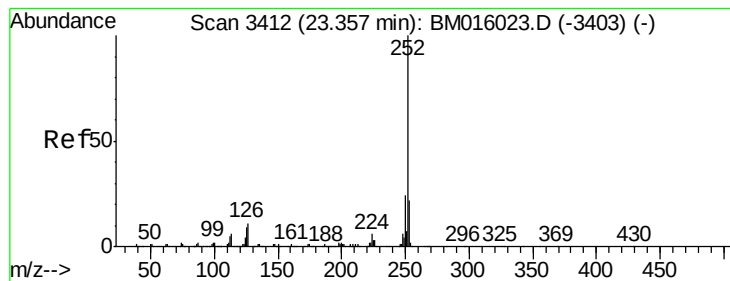
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.6	12.0	18.0#
277	25.4	20.0	30.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.07 min Scan# 3533
 Delta R.T. -0.01 min
 Lab File: BM016067.D
 Acq: 24 Jul 2018 22:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.6	27.8
265	23.1	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 20.449 ng

RT: 23.34 min Scan# 3410

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

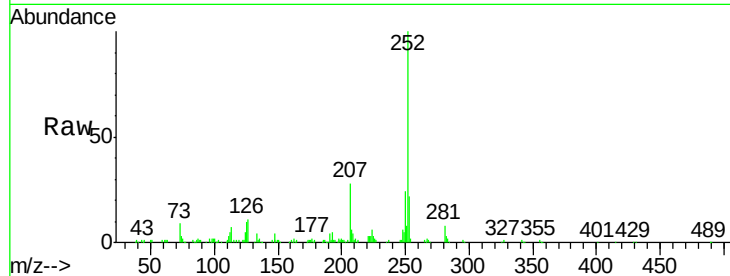
Tgt Ion:252 Resp: 237896

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

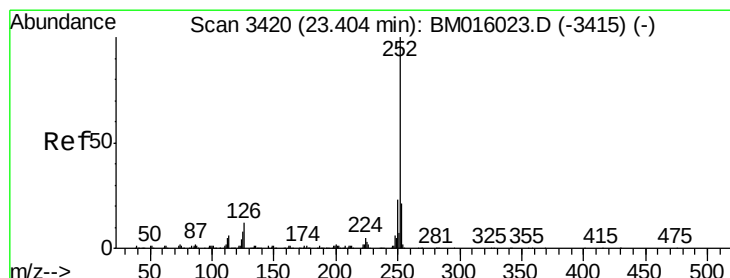
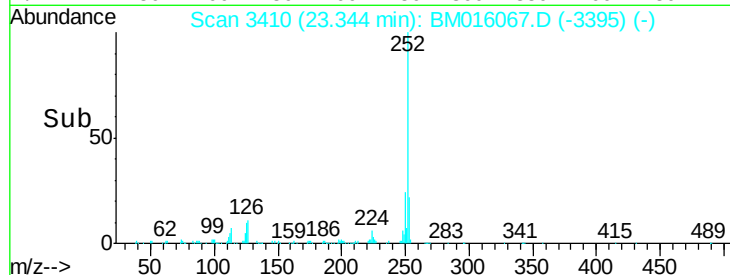
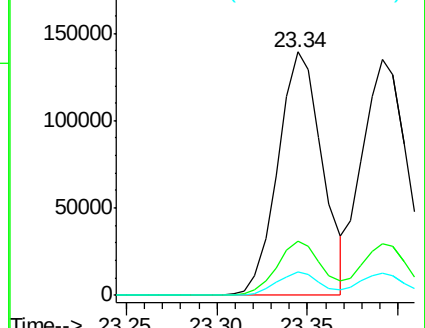
125 9.6 9.9 14.9#



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: 19.888 ng

RT: 23.39 min Scan# 3418

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

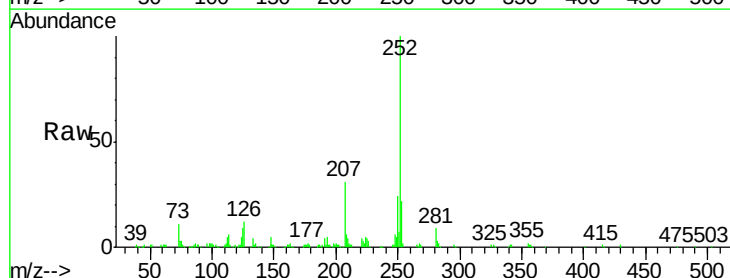
Tgt Ion:252 Resp: 234483

Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

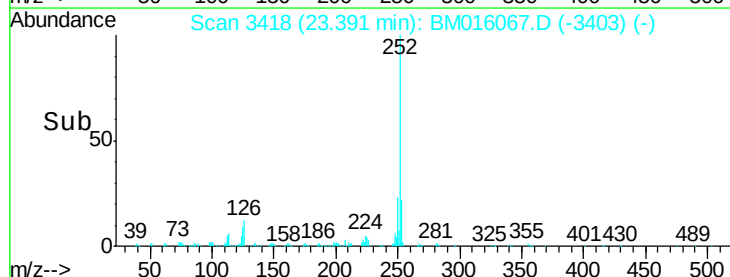
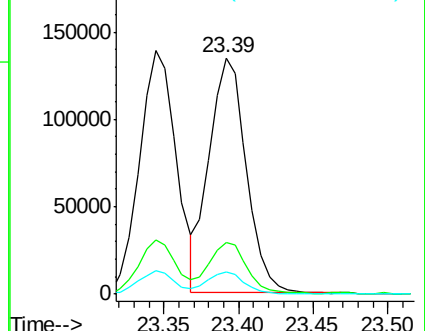
125 9.2 8.1 12.1

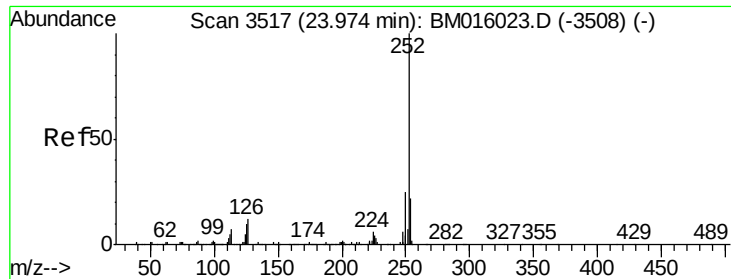


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 20.543 ng

RT: 23.96 min Scan# 3515

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

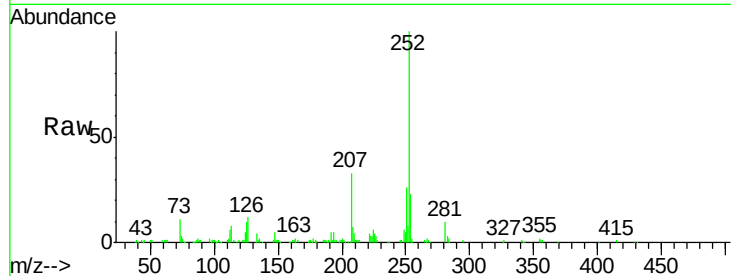
Tgt Ion:252 Resp: 229752

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

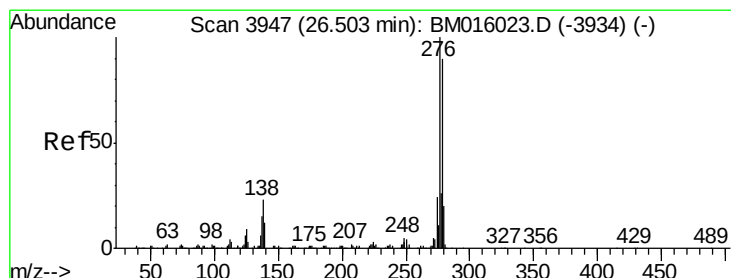
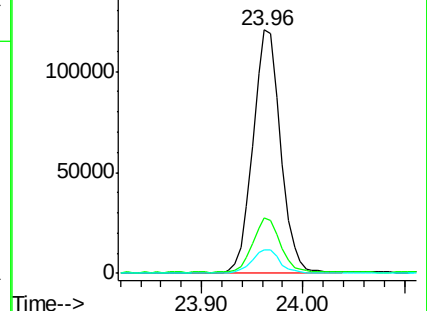
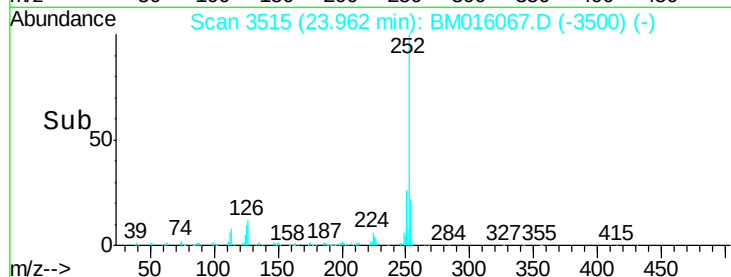
125 9.6 7.4 11.2



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: 20.407 ng

RT: 26.49 min Scan# 3945

Delta R.T. -0.01 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

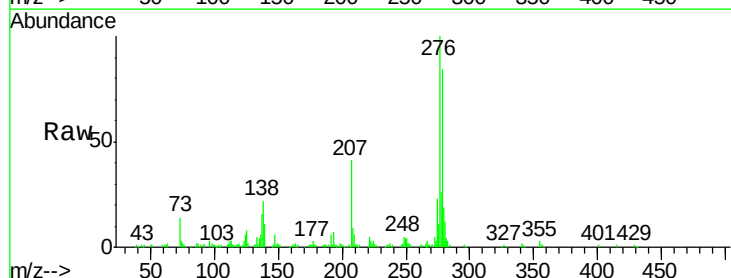
Tgt Ion:278 Resp: 236456

Ion Ratio Lower Upper

278 100

139 13.6 13.4 20.0

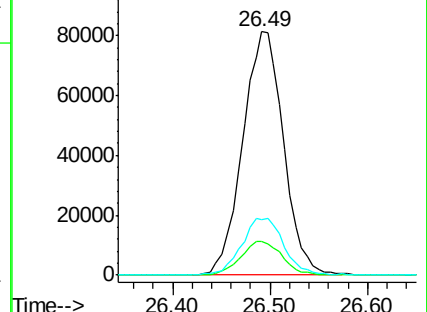
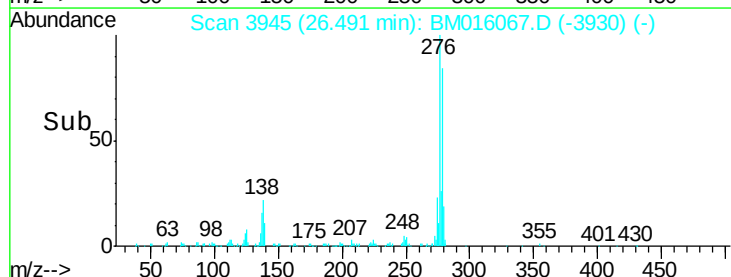
279 22.9 19.0 28.4

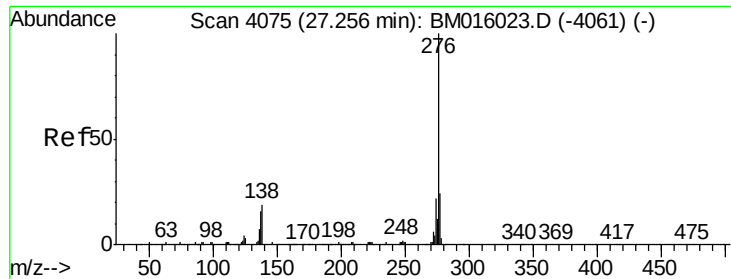


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 20.973 ng

RT: 27.24 min Scan# 4072

Delta R.T. -0.02 min

Lab File: BM016067.D

Acq: 24 Jul 2018 22:09

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

Tgt Ion: 276 Resp: 229851

Ion Ratio Lower Upper

276 100

277 22.4 18.5 27.7

138 17.8 19.0 28.6#

