

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM072518\
 Data File : BM016072.D
 Acq On : 25 Jul 2018 13:38
 Operator : SJ/JU
 Sample : J3762-02
 Misc : LOQ 20 PPM
 ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Jul 25 14:25:36 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	8.21	152	53750	20.00	ng	-0.02
21) Naphthalene-d8	11.03	136	223478	20.00	ng	-0.03
38) Acenaphthene-d10	14.84	164	114848	20.00	ng	-0.02
63) Phenanthrene-d10	17.56	188	213577	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	185010	20.00	ng	-0.02
86) Perylene-d12	24.04	264	174142	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.72	112	438377	135.48	ng	-0.02
7) Phenol-d6	7.37	99	559564	132.42	ng	-0.02
23) Nitrobenzene-d5	9.39	82	399884	83.23	ng	-0.02
41) 2,4,6-Tribromophenol	16.32	330	175909	120.76	ng	-0.02
44) 2-Fluorobiphenyl	13.46	172	828858	87.81	ng	-0.02
78) Terphenyl-d14	20.14	244	898144	101.62	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.50	88	26205	17.285	ng	# 100
3) Pyridine	3.95	79	65028	17.805	ng	# 73
4) n-Nitrosodimethylamine	3.86	42	58175	20.422	ng	# 37
6) Aniline	7.53	93	78750	16.185	ng	# 89
8) 2-Chlorophenol	7.77	128	78345	20.372	ng	97
9) Benzaldehyde	7.35	77	64811	21.830	ng	89
10) Phenol	7.40	94	86584	20.491	ng	99
11) bis(2-Chloroethyl)ether	7.63	93	62380	18.687	ng	90
12) 1,3-Dichlorobenzene	8.09	146	84262	18.719	ng	# 88
13) 1,4-Dichlorobenzene	8.25	146	86139	18.868	ng	# 93
14) 1,2-Dichlorobenzene	8.56	146	81731	18.296	ng	# 92
15) Benzyl Alcohol	8.46	79	62548	18.589	ng	# 86
16) 2,2'-oxybis(1-Chloropropan	8.73	45	95836	18.759	ng	97
17) 2-Methylphenol	8.66	107	59759	20.692	ng	# 84
18) Hexachloroethane	9.29	117	37401	18.952	ng	99
19) n-Nitroso-di-n-propylamine	9.02	70	55648	18.017	ng	# 76
20) 3+4-Methylphenols	8.99	107	76649	18.446	ng	88
22) Acetophenone	9.05	105	108226	19.233	ng	# 84
24) Nitrobenzene	9.44	77	92628	19.152	ng	# 97
25) Isophorone	9.96	82	142325	21.655	ng	# 93
26) 2-Nitrophenol	10.15	139	36927	18.290	ng	# 47
27) 2,4-Dimethylphenol	10.20	122	63993	22.751	ng	# 85
28) bis(2-Chloroethoxy)methane	10.43	93	83759	19.608	ng	97
29) 2,4-Dichlorophenol	10.69	162	65951	19.732	ng	99
30) 1,2,4-Trichlorobenzene	10.89	180	74051	18.234	ng	# 96
31) Naphthalene	11.08	128	224034	19.808	ng	99
32) Benzoic acid	10.33	122	36254	16.908	ng	86
33) 4-Chloroaniline	11.20	127	63911	13.847	ng	# 87
34) Hexachlorobutadiene	11.33	225	51137	18.153	ng	98
35) Caprolactam	11.99	113	15371	16.604	ng	92
36) 4-Chloro-3-methylphenol	12.31	107	69233	18.832	ng	87
37) 2-Methylnaphthalene	12.67	142	158669	20.942	ng	# 91
39) 1,2,4,5-Tetrachlorobenzene	13.04	216	75909	19.414	ng	# 100
40) Hexachlorocyclopentadiene	13.00	237	35721	24.500	ng	96

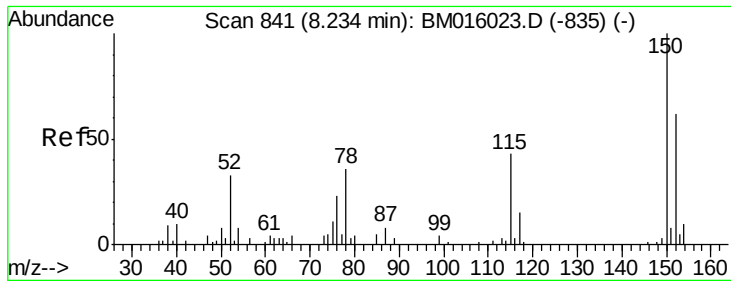
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM072518\
 Data File : BM016072.D
 Acq On : 25 Jul 2018 13:38
 Operator : SJ/JU
 Sample : J3762-02
 Misc : LOQ 20 PPM
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Instrument :
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Quant Time: Jul 25 14:25:36 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)
42) 2,4,6-Trichlorophenol	13.28	196	47742	19.516	ng	97
43) 2,4,5-Trichlorophenol	13.36	196	50359	19.957	ng	# 85
45) 1,1'-Biphenyl	13.67	154	194558	18.771	ng	98
46) 2-Chloronaphthalene	13.72	162	151626	18.809	ng	# 90
47) 2-Nitroaniline	13.94	65	45455	17.055	ng	# 78
48) Acenaphthylene	14.56	152	240743	20.399	ng	99
49) Dimethylphthalate	14.29	163	185859	18.492	ng	100
50) 2,6-Dinitrotoluene	14.43	165	36847	18.220	ng	# 66
51) Acenaphthene	14.90	154	138529	19.086	ng	99
52) 3-Nitroaniline	14.76	138	29221	13.378	ng	# 76
53) 2,4-Dinitrophenol	14.99	184	13306	20.270	ng	# 86
54) Dibenzofuran	15.23	168	220830	18.463	ng	# 83
55) 4-Nitrophenol	15.07	139	23712	15.143	ng	# 82
56) 2,4-Dinitrotoluene	15.22	165	47846	16.546	ng	87
57) Fluorene	15.87	166	169903	19.116	ng	97
58) 2,3,4,6-Tetrachlorophenol	15.46	232	39846	18.371	ng	# 100
59) Diethylphthalate	15.63	149	186936	17.255	ng	95
60) 4-Chlorophenyl-phenylether	15.86	204	85328	17.246	ng	# 84
61) 4-Nitroaniline	15.92	138	31052	14.817	ng	# 24
62) Azobenzene	16.16	77	208307	18.258	ng	78
64) 4,6-Dinitro-2-methylphenol	15.98	198	22098	17.046	ng	85
65) n-Nitrosodiphenylamine	16.08	169	141457	20.114	ng	98
66) 4-Bromophenyl-phenylether	16.75	248	47320	19.566	ng	# 75
67) Hexachlorobenzene	16.87	284	50300	18.887	ng	# 61
68) Atrazine	17.02	200	47025	18.656	ng	94
69) Pentachlorophenol	17.22	266	22244	13.488	ng	98
70) Phenanthrene	17.61	178	240641	20.125	ng	99
71) Anthracene	17.70	178	240618	20.705	ng	98
72) Carbazole	17.97	167	208193	17.293	ng	96
73) Di-n-butylphthalate	18.49	149	276416	18.425	ng	# 96
74) Fluoranthene	19.60	202	246797	18.503	ng	98
76) Benzidine	19.77	184	83558	16.162	ng	99
77) Pyrene	19.96	202	249680	22.520	ng	98
79) Butylbenzylphthalate	20.81	149	116052	20.605	ng	# 80
80) Benzo(a)anthracene	21.67	228	232660	20.418	ng	99
81) 3,3'-Dichlorobenzidine	21.60	252	57889	12.613	ng	95
82) Chrysene	21.72	228	218533	19.993	ng	99
83) Bis(2-ethylhexyl)phthalate	21.56	149	190157	23.296	ng	# 92
84) Di-n-octyl phthalate	22.46	149	257449	18.766	ng	# 89
85) Indeno(1,2,3-cd)pyrene	26.46	276	240288	18.525	ng	# 94
87) Benzo(b)fluoranthene	23.33	252	217217	21.186	ng	# 97
88) Benzo(k)fluoranthene	23.37	252	211916	20.394	ng	98
89) Benzo(a)pyrene	23.94	252	206140	20.914	ng	100
90) Dibenzo(a,h)anthracene	26.46	278	201046	19.687	ng	96
91) Benzo(g,h,i)perylene	27.20	276	196360	20.330	ng	# 94

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

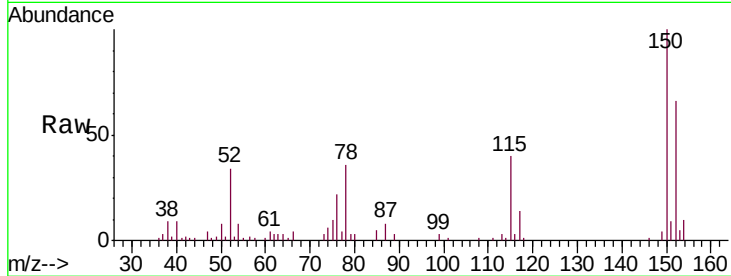


#1

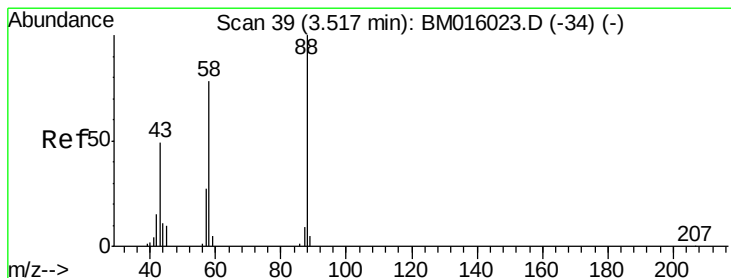
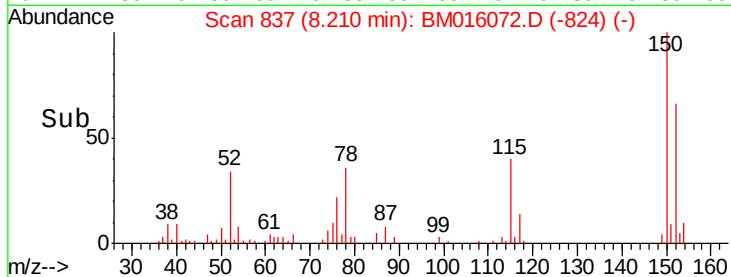
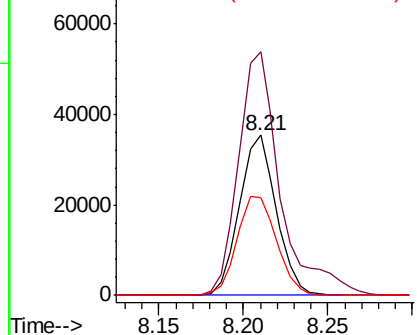
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.21 min Scan# 837
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

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

Tgt Ion:152 Resp: 53750
Ion Ratio Lower Upper
152 100
150 152.3 119.5 179.3
115 61.3 43.0 64.4



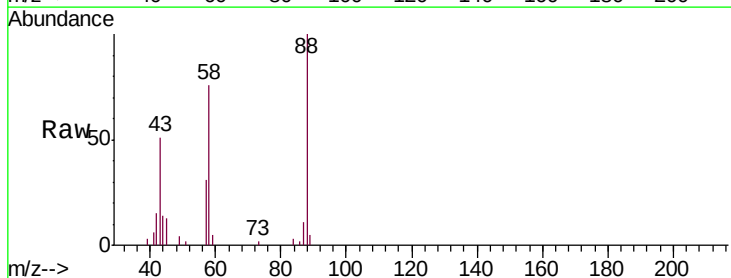
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



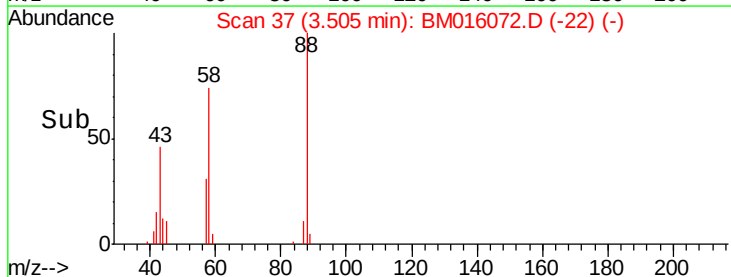
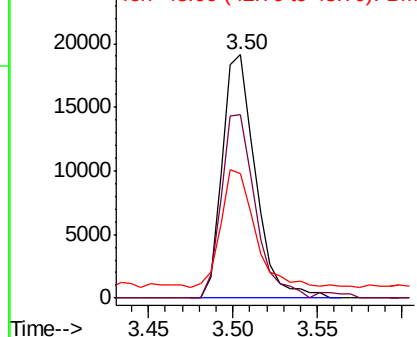
#2

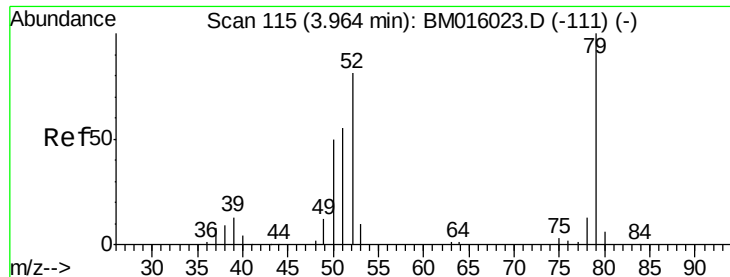
1,4-Dioxane
Concen: 17.285 ng
RT: 3.50 min Scan# 37
Delta R.T. -0.01 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

Tgt Ion: 88 Resp: 26205
Ion Ratio Lower Upper
88 100
58 77.2 0.0 0.0#
43 50.5 0.0 0.0#



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





#3

Pyridine

Concen: 17.805 ng

RT: 3.95 min Scan# 112

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

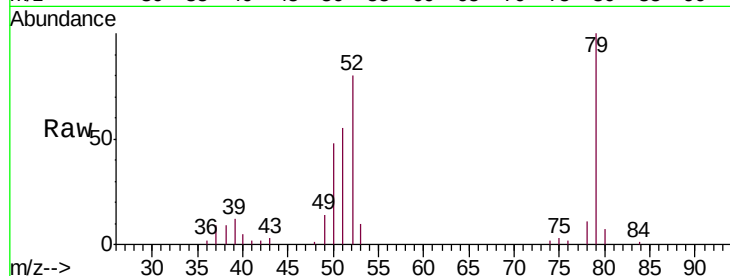
Tgt Ion: 79 Resp: 65028

Ion Ratio Lower Upper

79 100

52 79.7 51.1 76.7#

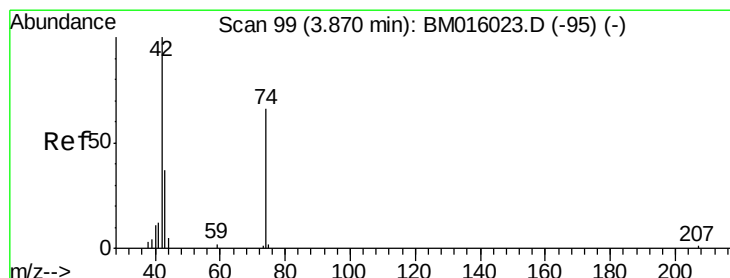
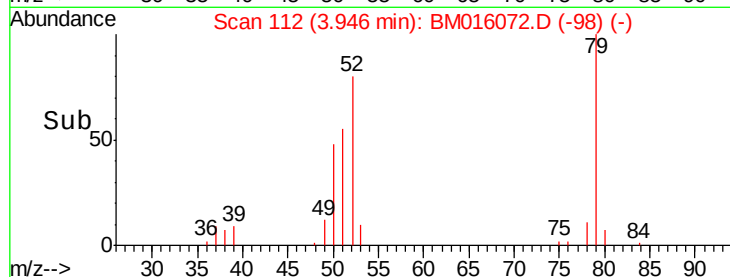
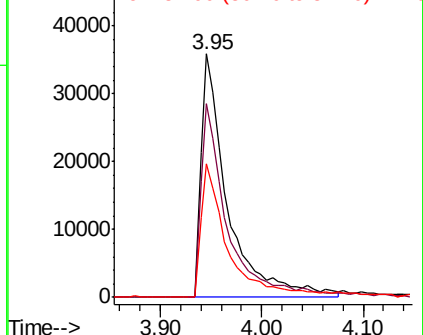
51 55.0 26.1 39.1#



Abundance Ion 79.00 (78.70 to 79.70): BM016072.D (-98) (-)

Ion 52.00 (51.70 to 52.70): BM016072.D (-98) (-)

Ion 51.00 (50.70 to 51.70): BM016072.D (-98) (-)



#4

n-Nitrosodimethylamine

Concen: 20.422 ng

RT: 3.86 min Scan# 97

Delta R.T. -0.01 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

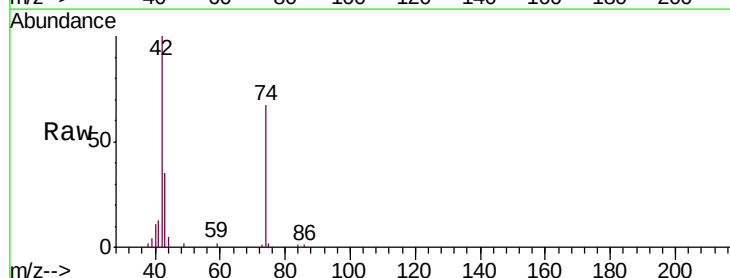
Tgt Ion: 42 Resp: 58175

Ion Ratio Lower Upper

42 100

74 66.5 119.3 178.9#

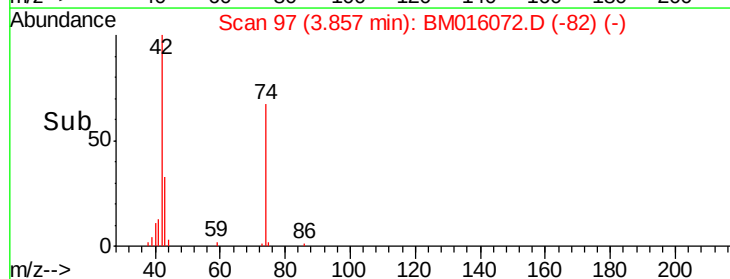
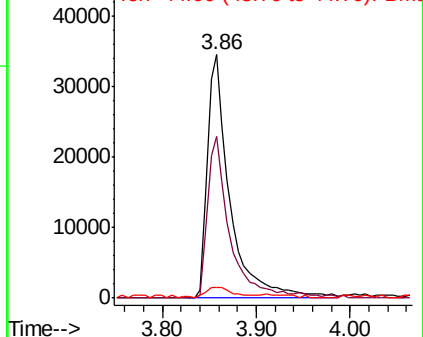
44 4.5 5.4 8.2#

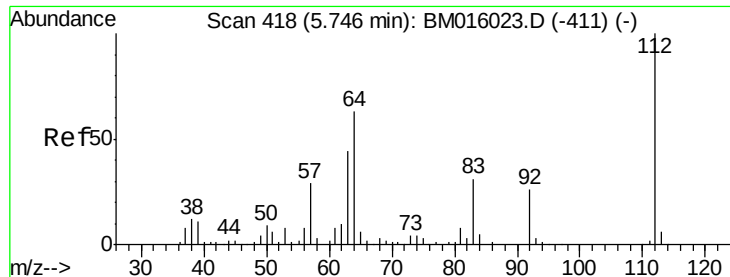


Abundance Ion 42.00 (41.70 to 42.70): BM016072.D (-82) (-)

Ion 74.00 (73.70 to 74.70): BM016072.D (-82) (-)

Ion 44.00 (43.70 to 44.70): BM016072.D (-82) (-)





#5

2-Fluorophenol

Concen: 20.422 ng

RT: 5.72 min Scan# 414

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

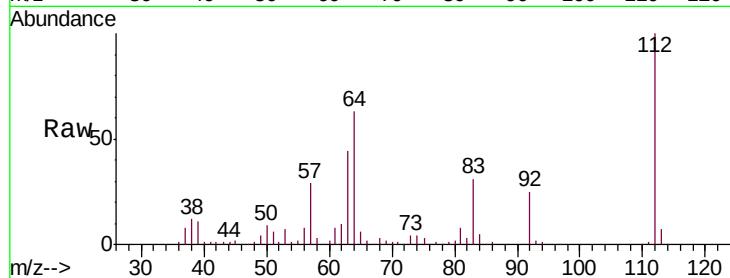
Tgt Ion: 112 Resp: 438377

Ion Ratio Lower Upper

112 100

64 62.7 38.6 57.8#

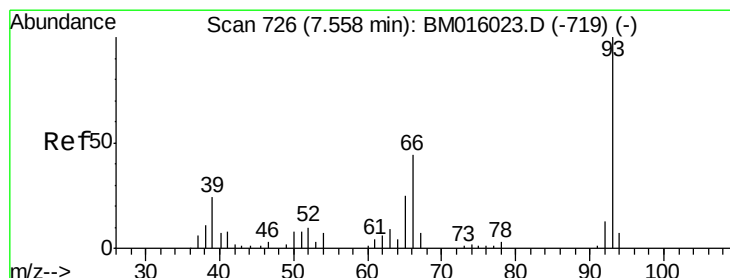
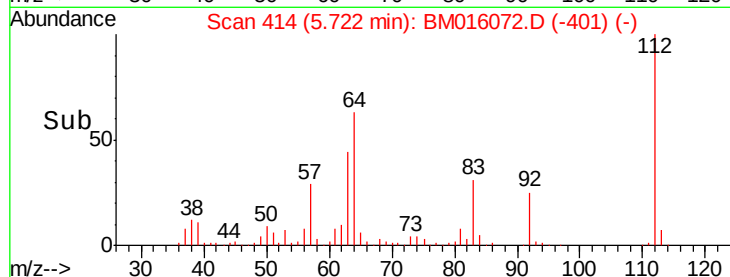
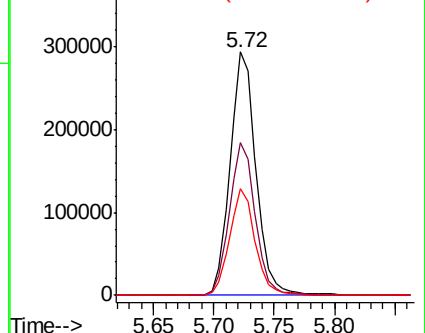
63 43.8 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#6

Aniline

Concen: 16.185 ng

RT: 7.53 min Scan# 722

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

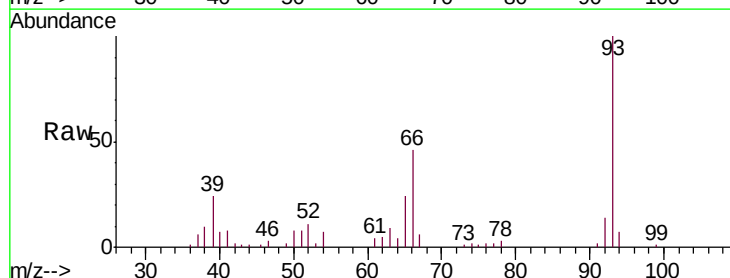
Tgt Ion: 93 Resp: 78750

Ion Ratio Lower Upper

93 100

66 45.6 30.8 46.2

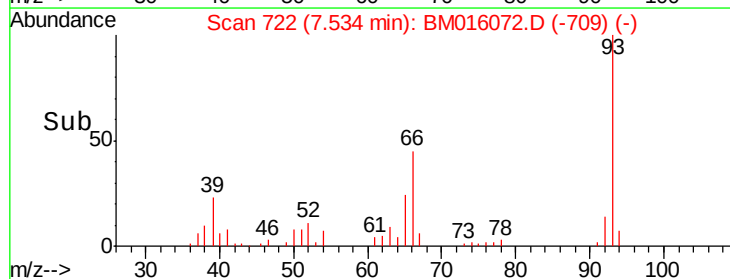
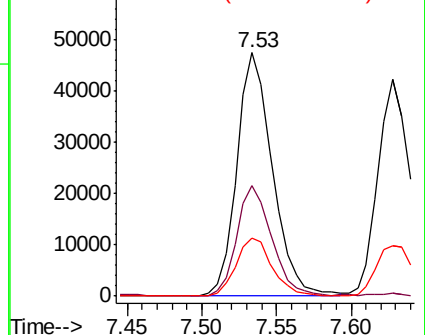
65 24.0 16.0 24.0#

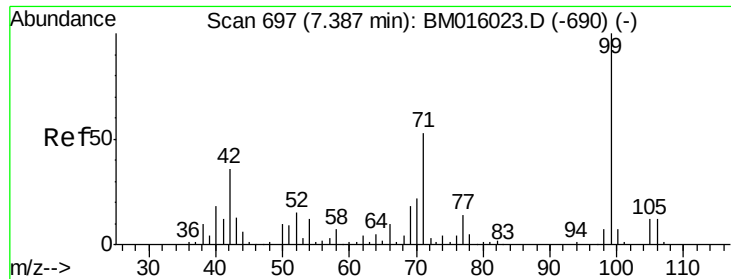


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 16.185 ng

RT: 7.37 min Scan# 694

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Instrument :

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ClientSampleId :

LOQ-SOIL-02-QT3-2018

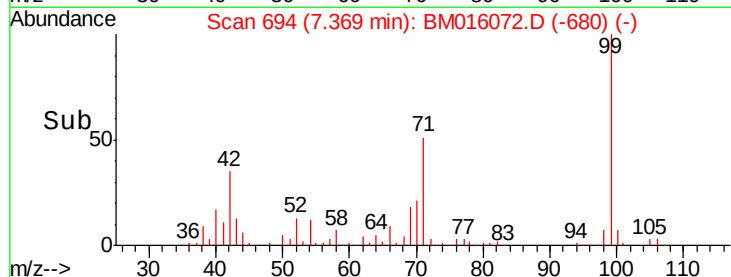
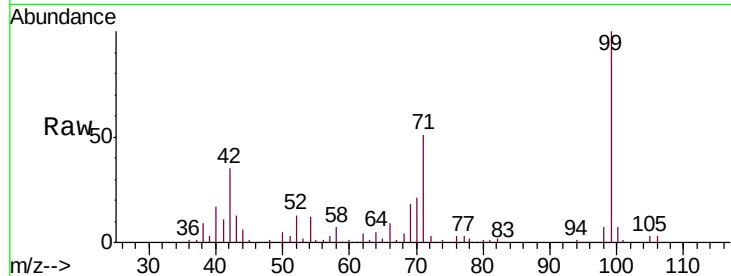
Tgt Ion: 99 Resp: 559564

Ion Ratio Lower Upper

99 100

42 34.7 11.0 16.4#

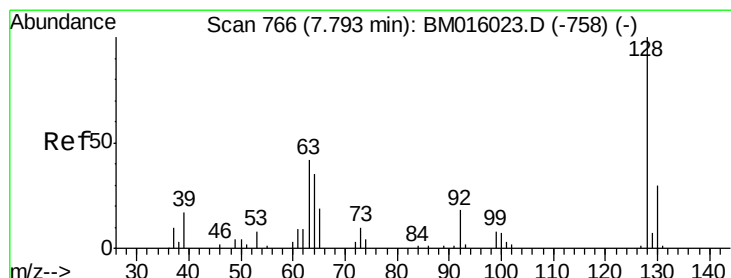
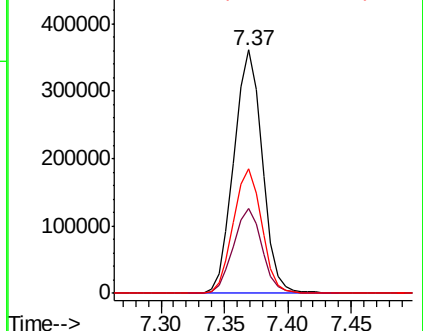
71 51.2 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016072.D (-680) (-)

Ion 42.00 (41.70 to 42.70): BM016072.D (-680) (-)

Ion 71.00 (70.70 to 71.70): BM016072.D (-680) (-)



#8

2-Chlorophenol

Concen: 20.372 ng

RT: 7.77 min Scan# 762

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

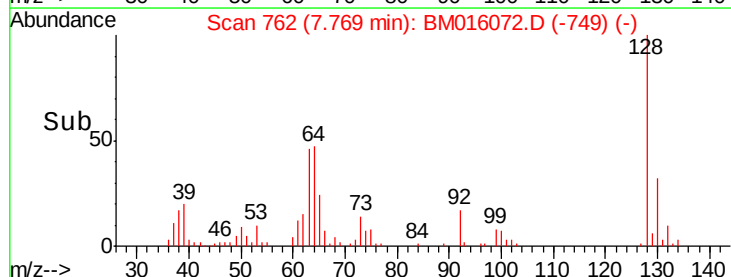
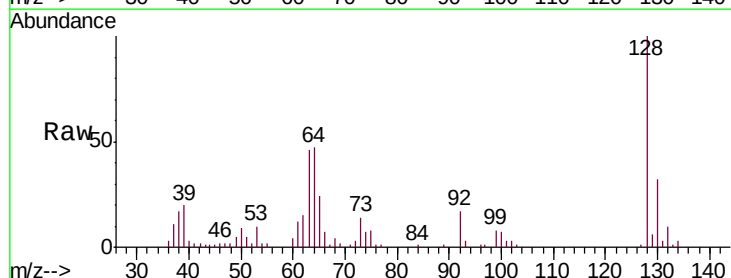
Tgt Ion: 128 Resp: 78345

Ion Ratio Lower Upper

128 100

130 32.3 12.0 52.0

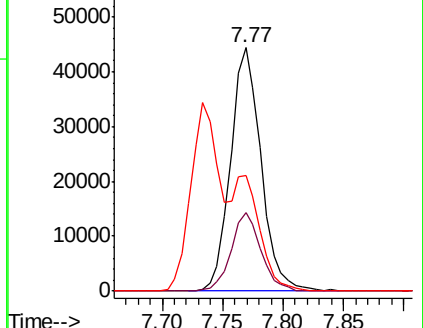
64 47.5 24.9 64.9

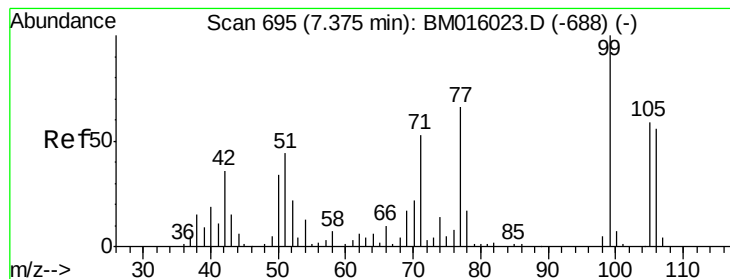


Abundance Ion 128.00 (127.70 to 128.70): BM016072.D (-749) (-)

Ion 130.00 (129.70 to 130.70): BM016072.D (-749) (-)

Ion 64.00 (63.70 to 64.70): BM016072.D (-749) (-)





#9

Benzaldehyde

Concen: 21.830 ng

RT: 7.35 min Scan# 691

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

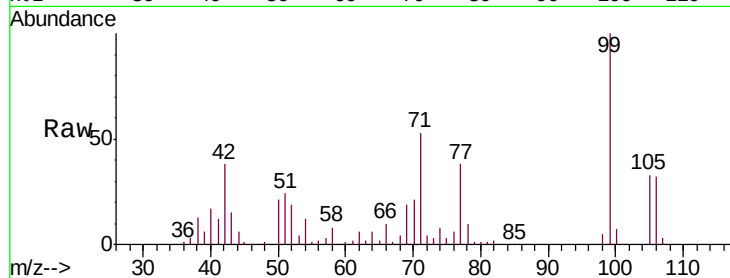
Tgt Ion: 77 Resp: 64811

Ion Ratio Lower Upper

77 100

105 86.4 78.8 118.8

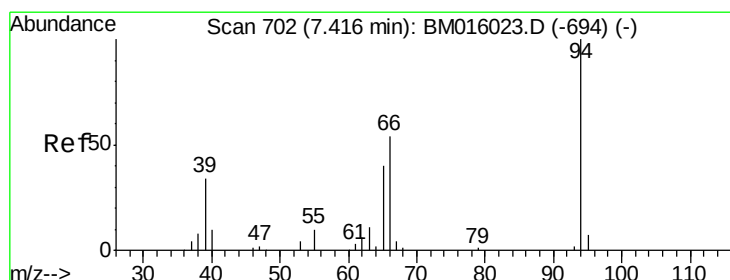
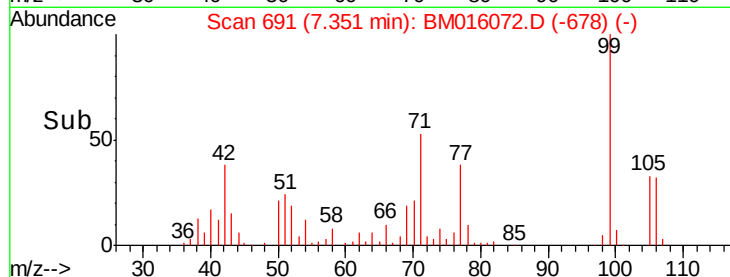
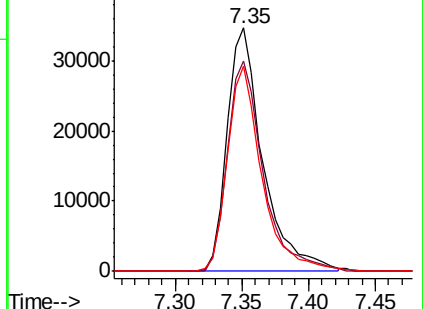
106 84.5 73.7 113.7



Abundance Ion 77.00 (76.70 to 77.70): BM016072.D (-688) (-)

Ion 105.00 (104.70 to 105.70): BM016072.D (-688) (-)

Ion 106.00 (105.70 to 106.70): BM016072.D (-688) (-)



#10

Phenol

Concen: 20.491 ng

RT: 7.40 min Scan# 699

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

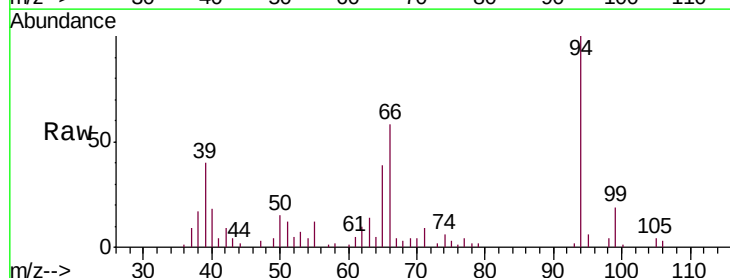
Tgt Ion: 94 Resp: 86584

Ion Ratio Lower Upper

94 100

65 38.9 18.8 58.8

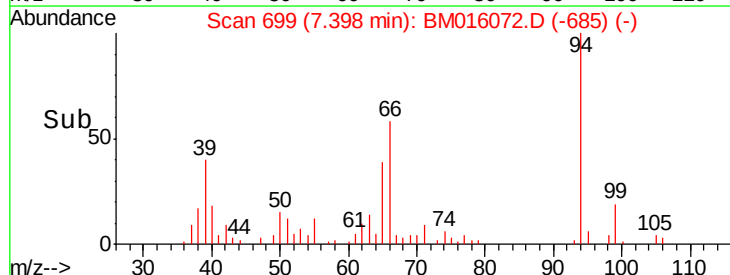
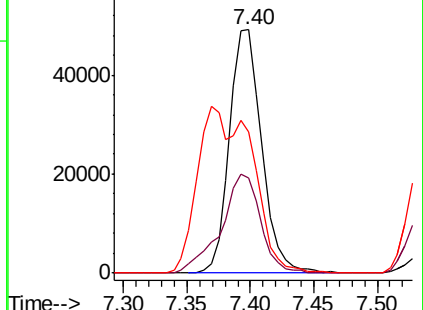
66 58.2 39.9 79.9

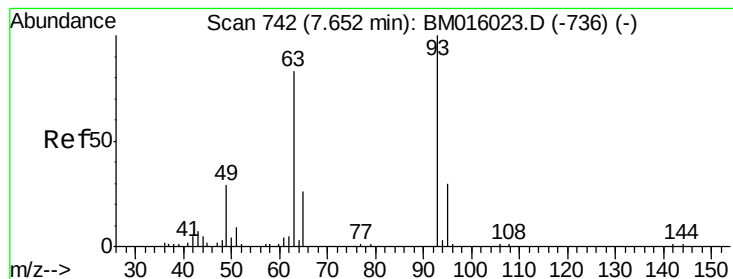


Abundance Ion 94.00 (93.70 to 94.70): BM016072.D (-685) (-)

Ion 65.00 (64.70 to 65.70): BM016072.D (-685) (-)

Ion 66.00 (65.70 to 66.70): BM016072.D (-685) (-)





#11

bis(2-Chloroethyl)ether

Concen: 18.687 ng

RT: 7.63 min Scan# 738

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

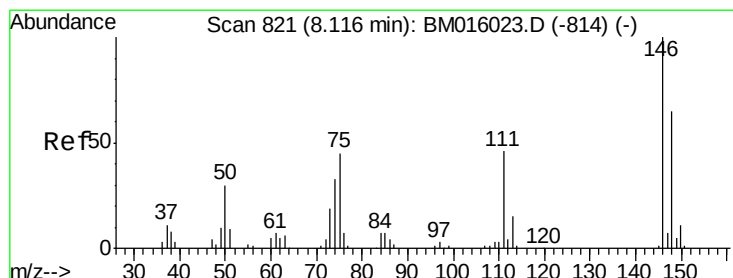
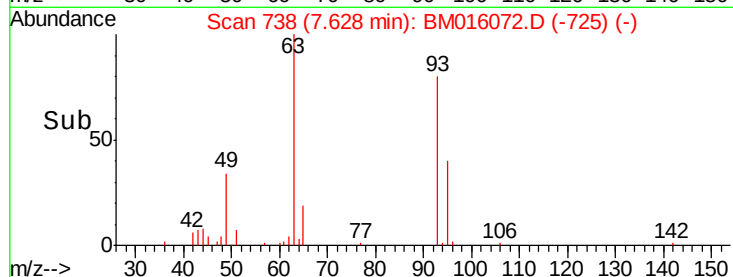
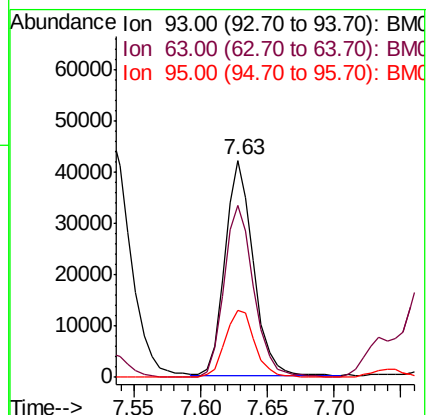
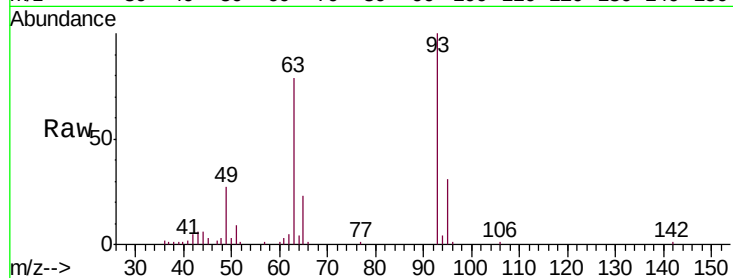
Tgt Ion: 93 Resp: 62380

Ion Ratio Lower Upper

93 100

63 79.2 49.5 89.5

95 30.6 13.5 53.5



#12

1,3-Dichlorobenzene

Concen: 18.719 ng

RT: 8.09 min Scan# 817

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

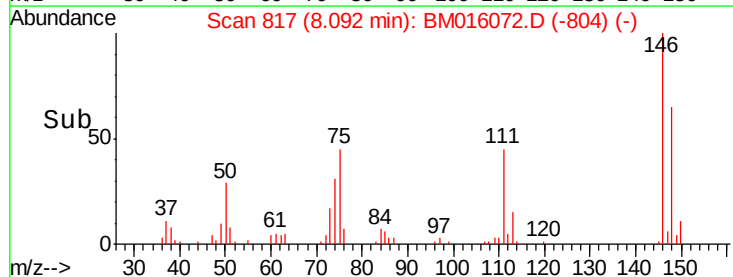
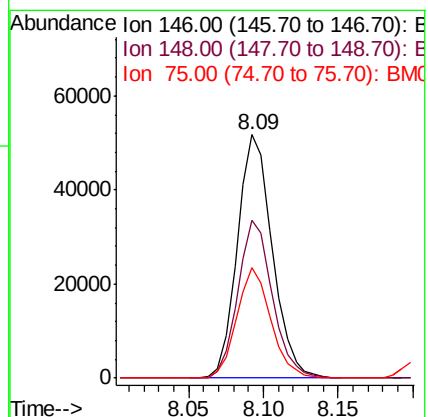
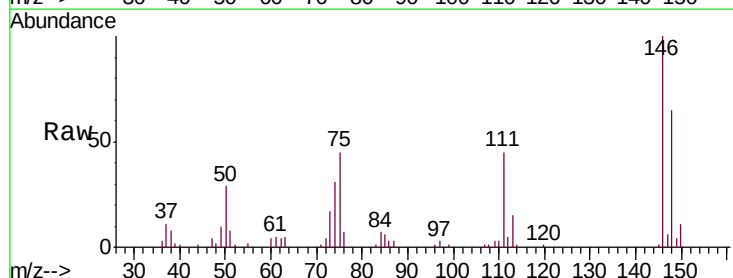
Tgt Ion: 146 Resp: 84262

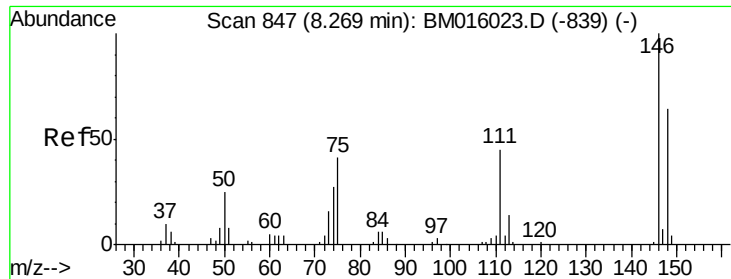
Ion Ratio Lower Upper

146 100

148 65.0 50.9 76.3

75 45.3 21.4 32.2#

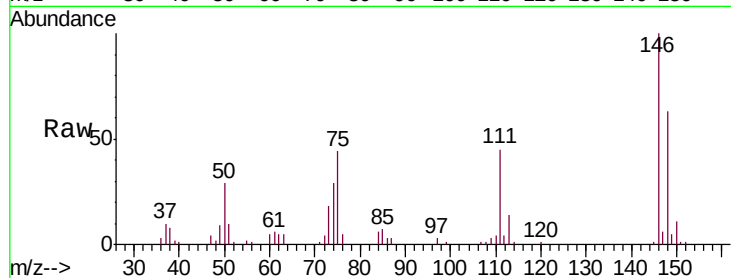




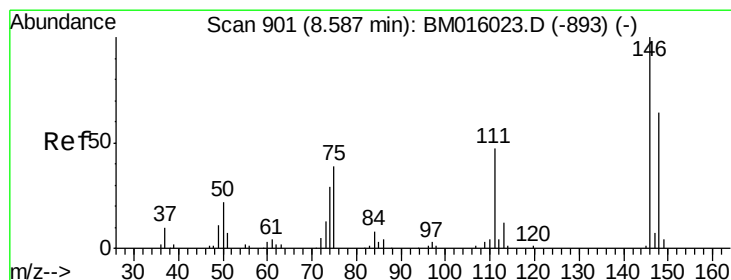
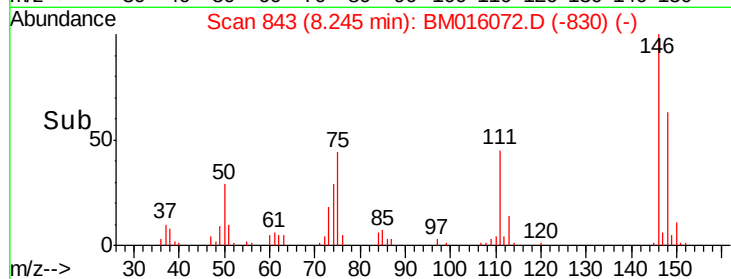
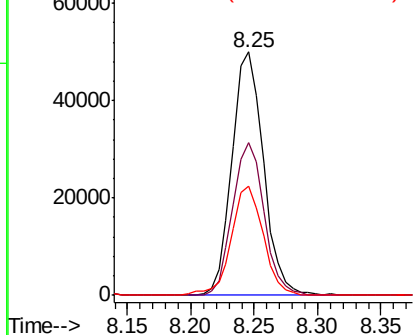
#13
 1,4-Dichlorobenzene
 Concen: 18.868 ng
 RT: 8.25 min Scan# 843
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

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

Tgt Ion:146 Resp: 86139
 Ion Ratio Lower Upper
 146 100
 148 62.6 51.9 77.9
 111 45.0 29.2 43.8#

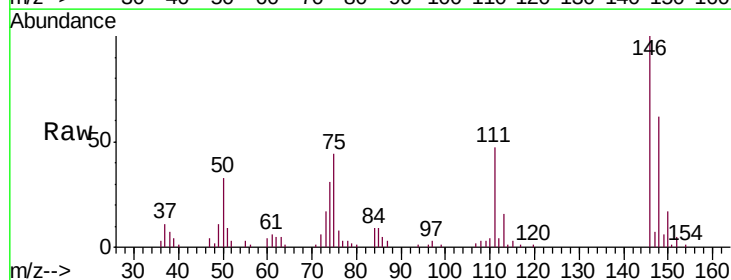


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

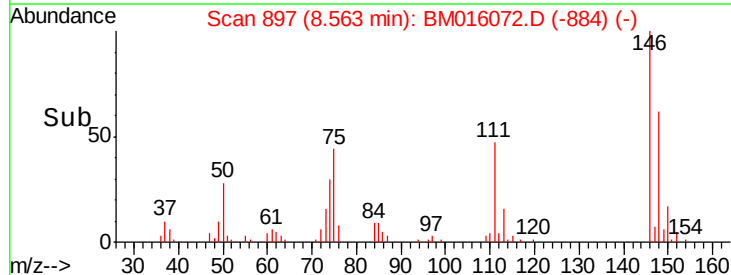
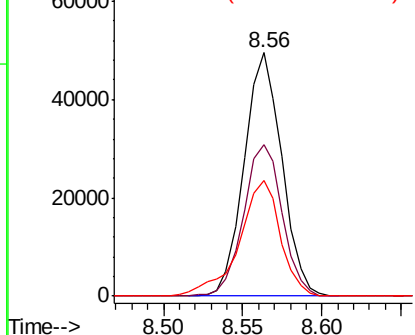


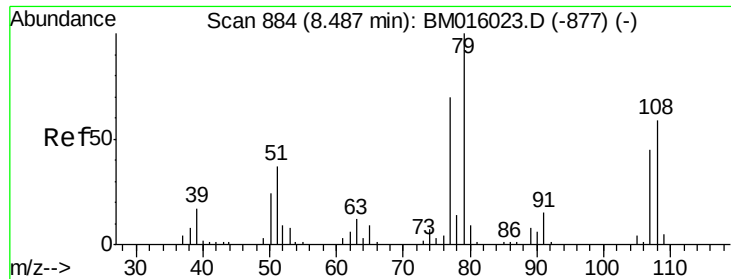
#14
 1,2-Dichlorobenzene
 Concen: 18.296 ng
 RT: 8.56 min Scan# 897
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

Tgt Ion:146 Resp: 81731
 Ion Ratio Lower Upper
 146 100
 148 62.1 52.3 78.5
 111 47.2 30.6 45.8#



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

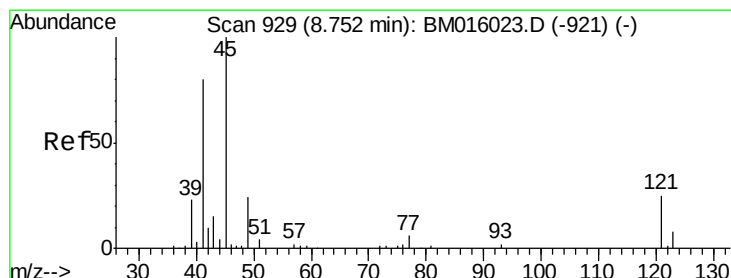
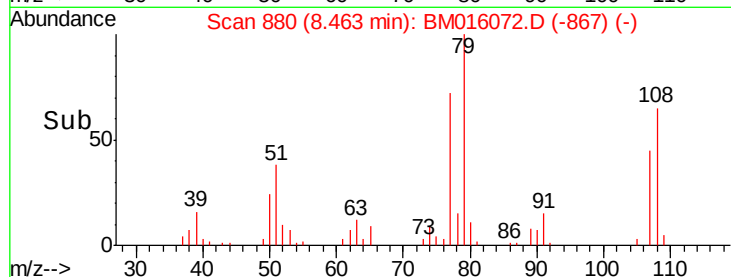
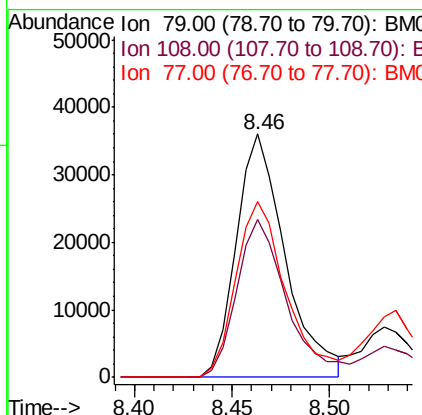
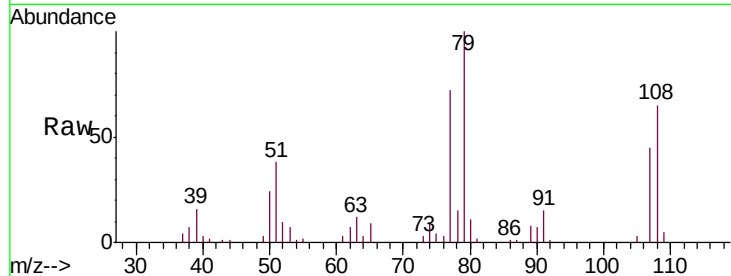




#15
Benzyl Alcohol
Concen: 18.589 ng
RT: 8.46 min Scan# 880
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

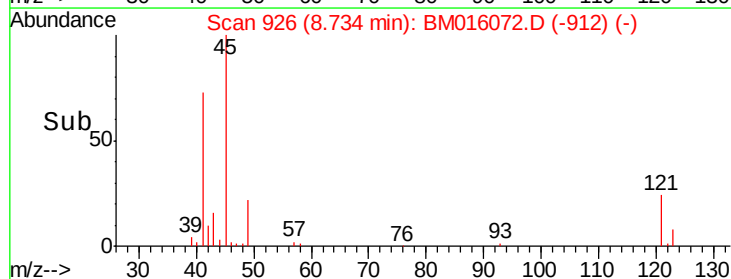
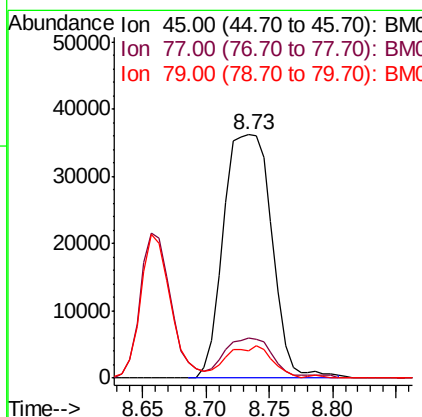
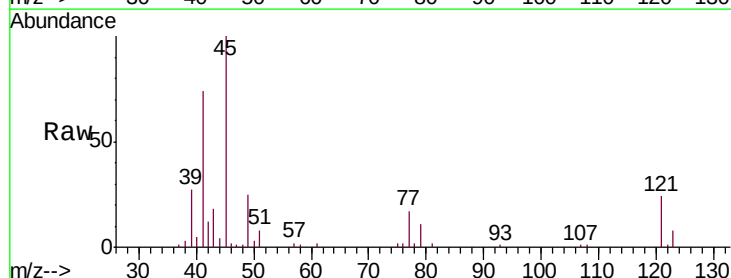
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

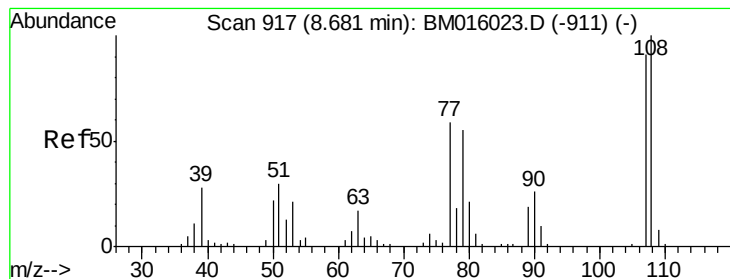
Tgt Ion: 79 Resp: 62548
Ion Ratio Lower Upper
79 100
108 64.9 65.0 97.4#
77 72.4 53.0 79.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 18.759 ng
RT: 8.73 min Scan# 926
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

Tgt Ion: 45 Resp: 95836
Ion Ratio Lower Upper
45 100
77 16.7 0.0 35.2
79 11.1 0.0 32.0





#17

2-Methylphenol

Concen: 20.692 ng

RT: 8.66 min Scan# 913

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

Tgt Ion:107 Resp: 59759

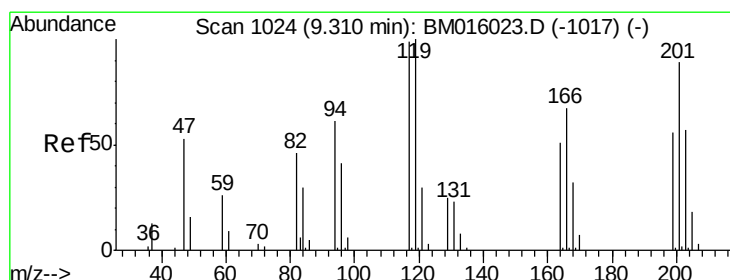
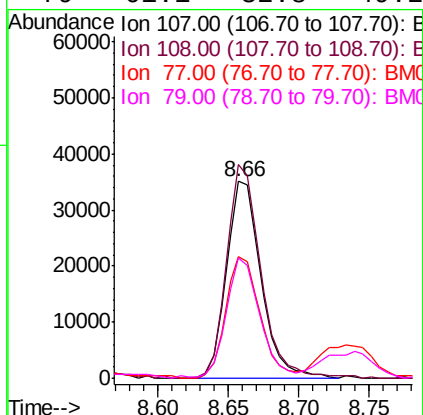
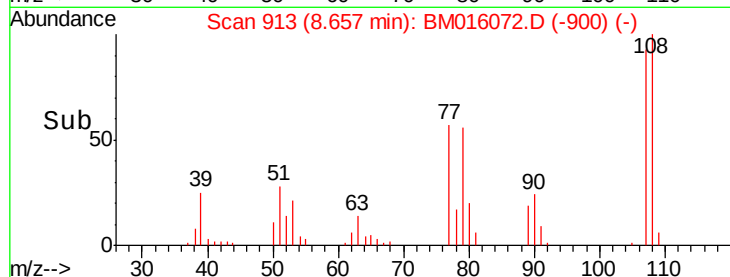
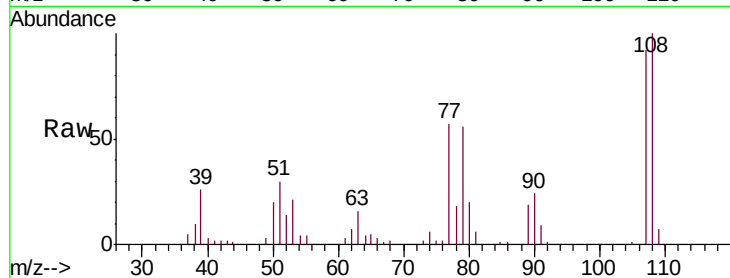
Ion Ratio Lower Upper

107 100

108 108.5 89.8 134.8

77 61.5 32.6 48.8#

79 61.1 32.8 49.2#



#18

Hexachloroethane

Concen: 18.952 ng

RT: 9.29 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

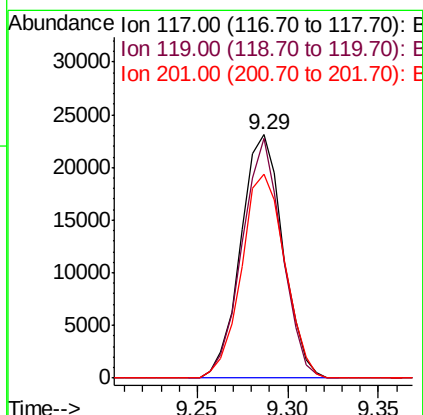
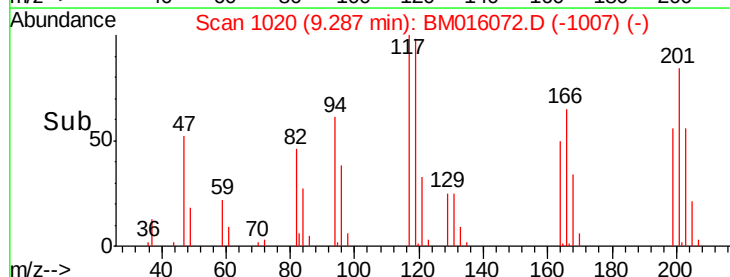
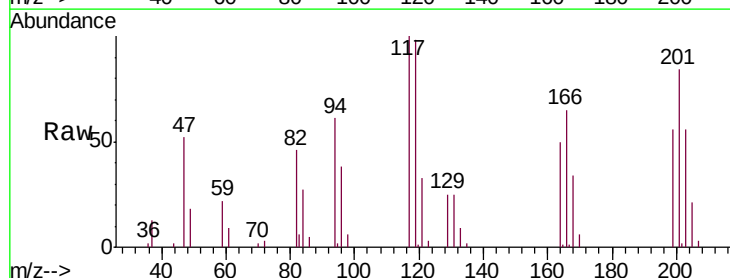
Tgt Ion:117 Resp: 37401

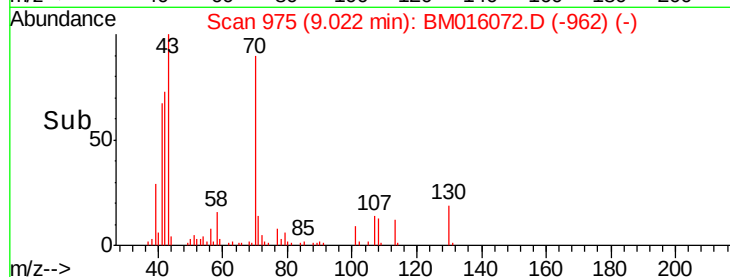
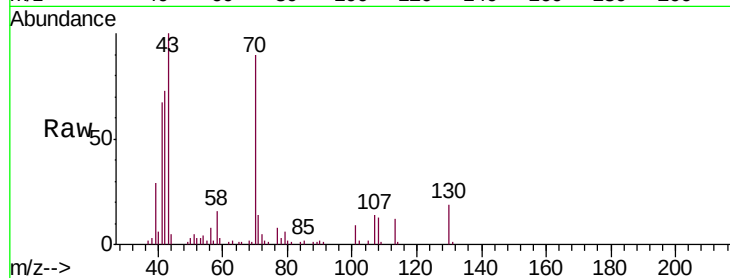
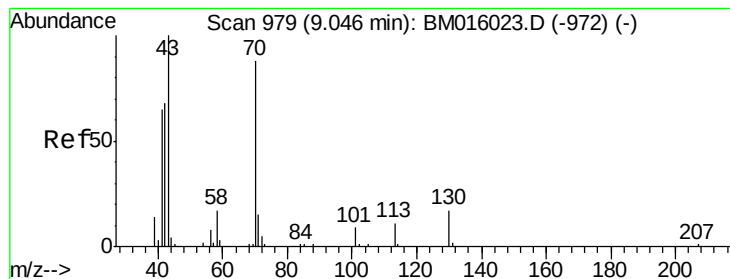
Ion Ratio Lower Upper

117 100

119 98.4 79.2 118.8

201 85.8 69.8 104.6





#19

n-Nitroso-di-n-propylamine

Concen: 18.017 ng

RT: 9.02 min Scan# 975

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

Tgt Ion: 70 Resp: 55648

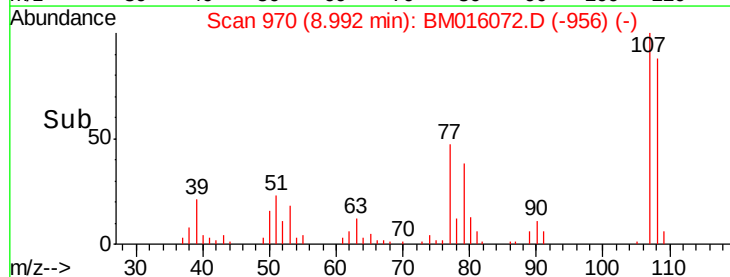
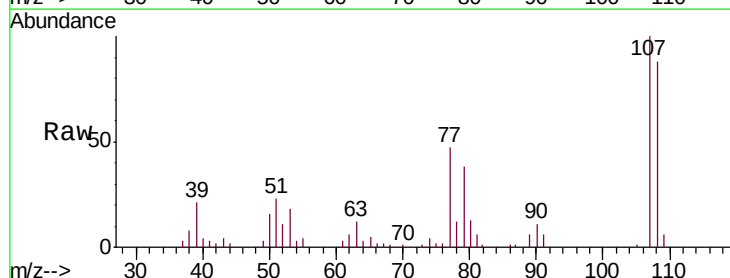
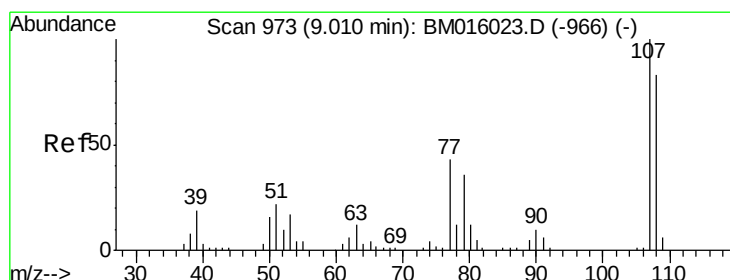
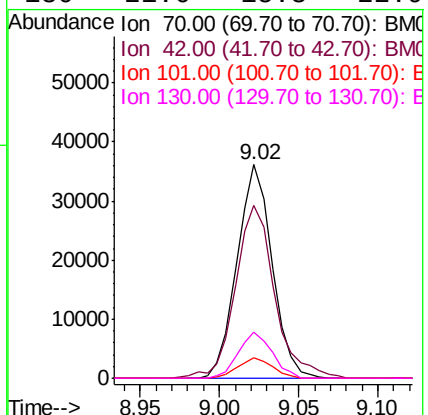
Ion Ratio Lower Upper

70 100

42 80.8 44.5 66.7#

101 9.9 7.4 11.2

130 21.6 15.3 22.9



#20

3+4-Methylphenols

Concen: 18.446 ng

RT: 8.99 min Scan# 970

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Tgt Ion: 107 Resp: 76649

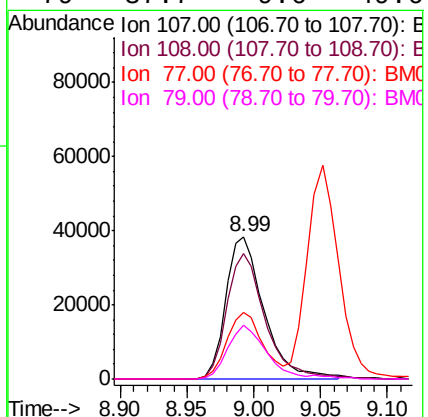
Ion Ratio Lower Upper

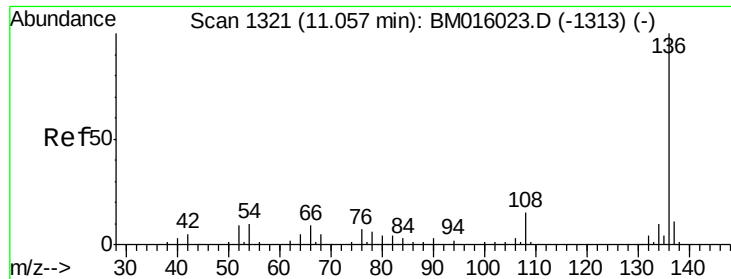
107 100

108 87.9 73.2 113.2

77 47.0 10.7 50.7

79 37.7 9.6 49.6

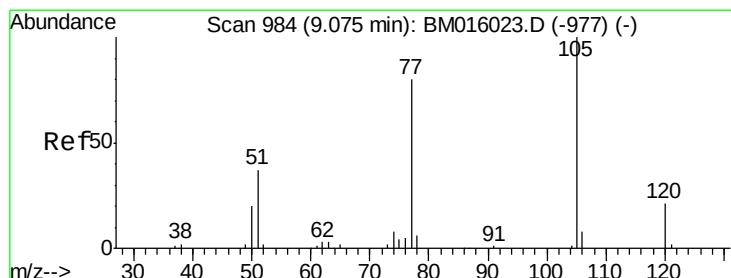
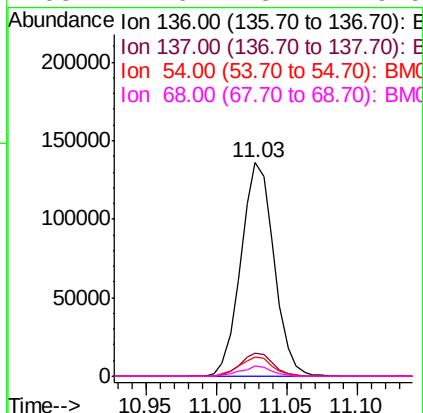
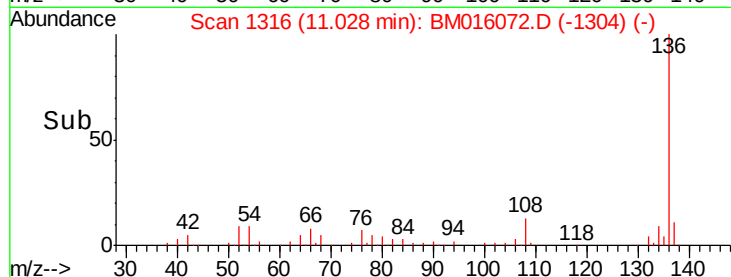
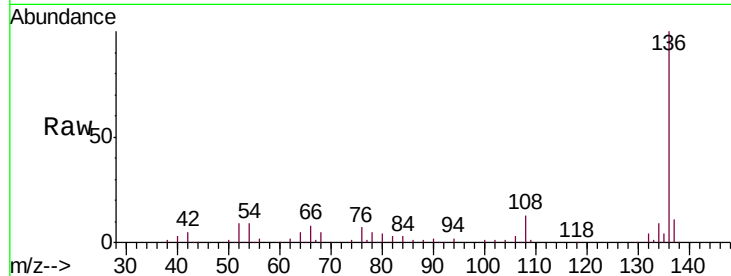




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.03 min Scan# 1316
Delta R.T. -0.03 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

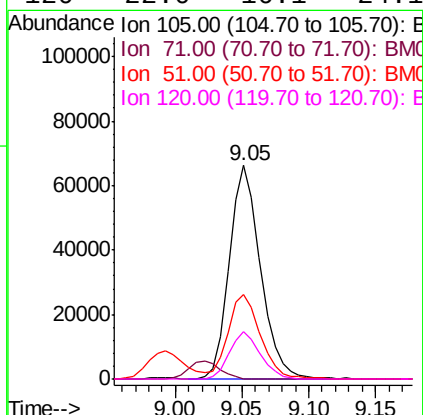
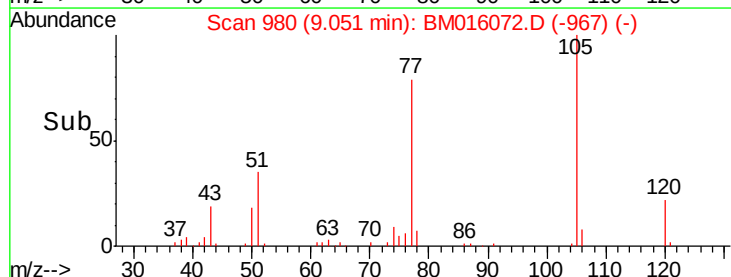
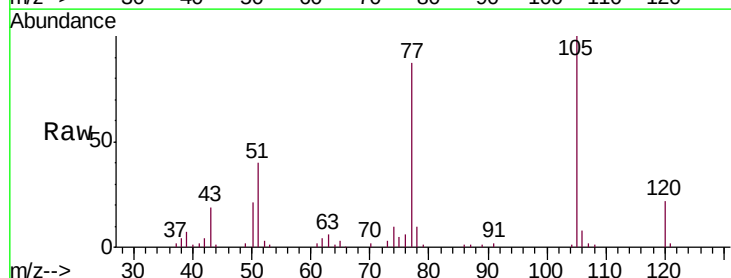
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

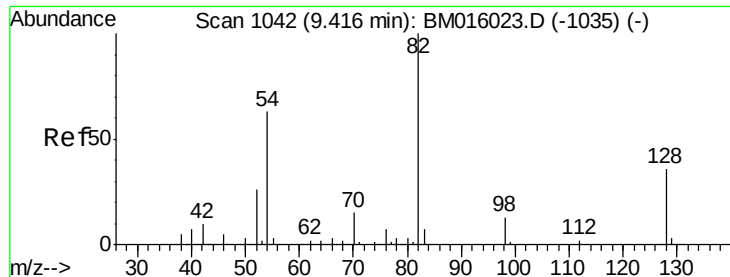
Tgt Ion:	136	Resp:	223478
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	9.2	4.6	6.8#
68	4.6	3.7	5.5



#22
Acetophenone
Concen: 19.233 ng
RT: 9.05 min Scan# 980
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

Tgt Ion:	105	Resp:	108226
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.6	1.0#
51	39.8	21.6	32.4#
120	22.0	16.1	24.1

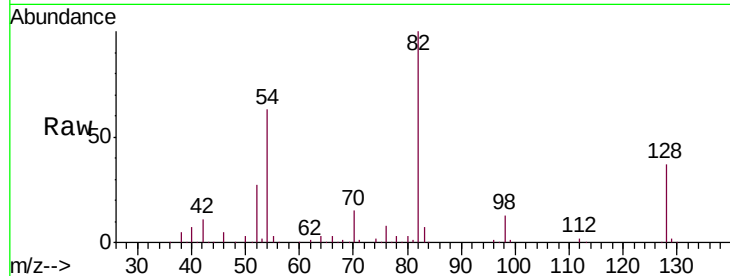




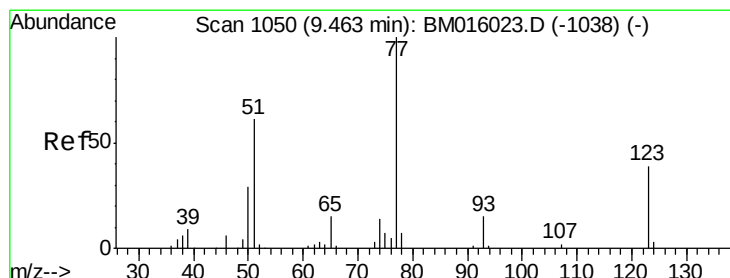
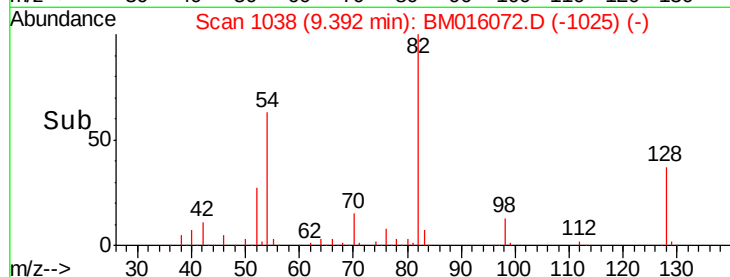
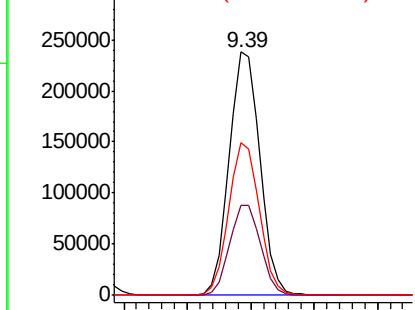
#23
Nitrobenzene-d5
Concen: 19.233 ng
RT: 9.39 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

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

Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.9	32.8	49.2
54	62.7	40.6	60.8#

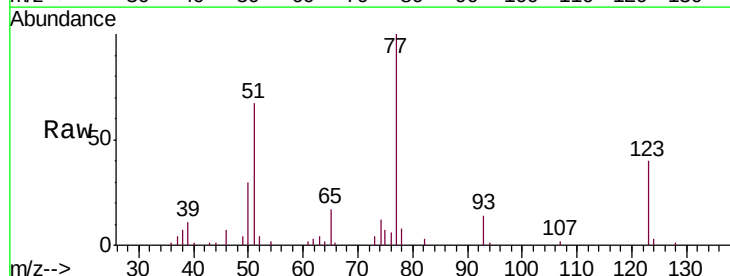


Abundance Ion 82.00 (81.70 to 82.70): BM016072.D (-1035) (-)
Ion 128.00 (127.70 to 128.70): BM016072.D (-1035) (-)
Ion 54.00 (53.70 to 54.70): BM016072.D (-1035) (-)

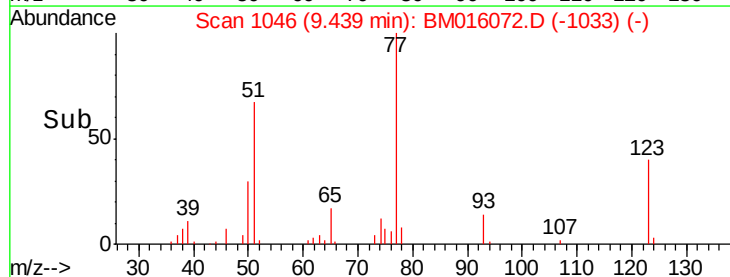
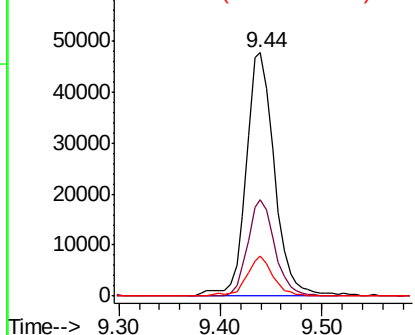


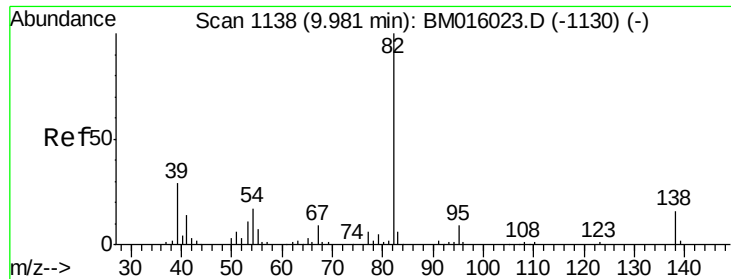
#24
Nitrobenzene
Concen: 19.152 ng
RT: 9.44 min Scan# 1046
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

Tgt Ion	Ratio	Lower	Upper
77	100		
123	39.6	32.6	49.0
65	16.5	10.9	16.3#



Abundance Ion 77.00 (76.70 to 77.70): BM016072.D (-1033) (-)
Ion 123.00 (122.70 to 123.70): BM016072.D (-1033) (-)
Ion 65.00 (64.70 to 65.70): BM016072.D (-1033) (-)

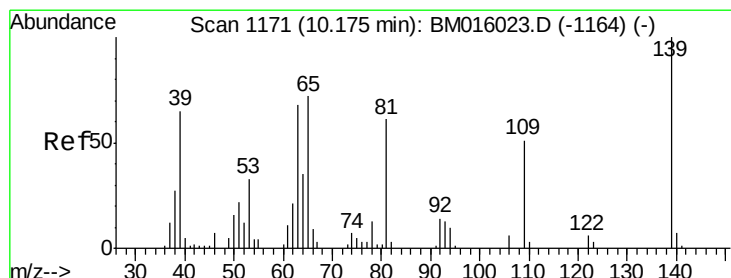
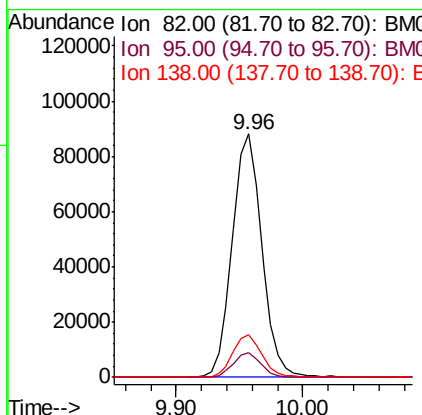
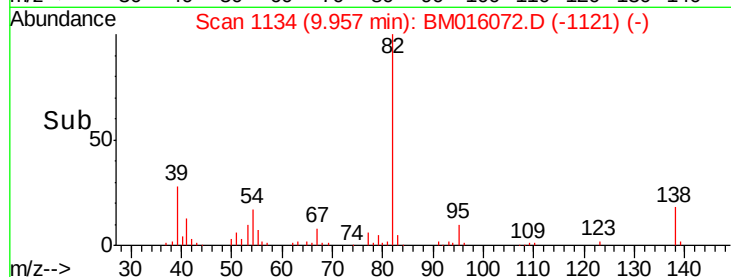
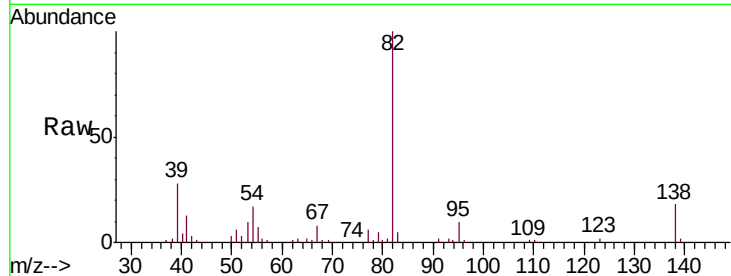




#25
Isophorone
Concen: 21.655 ng
RT: 9.96 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

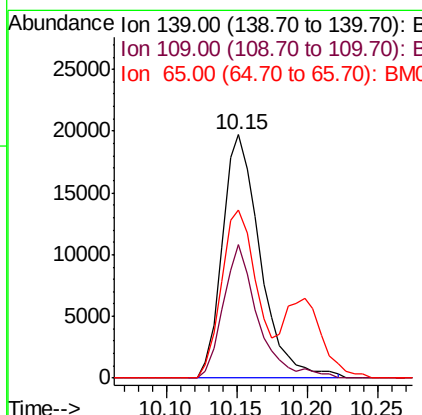
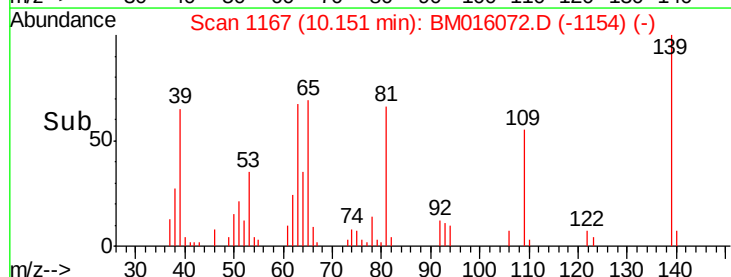
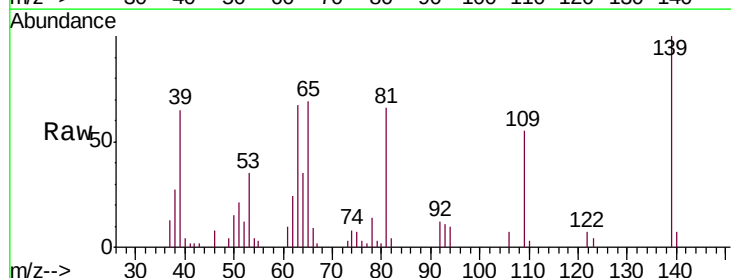
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

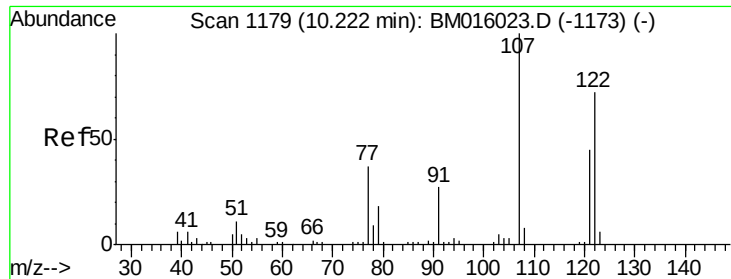
Tgt Ion: 82 Resp: 142325
Ion Ratio Lower Upper
82 100
95 10.3 5.8 8.6#
138 17.7 16.3 24.5



#26
2-Nitrophenol
Concen: 18.290 ng
RT: 10.15 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

Tgt Ion: 139 Resp: 36927
Ion Ratio Lower Upper
139 100
109 55.0 20.1 30.1#
65 69.1 31.5 47.3#

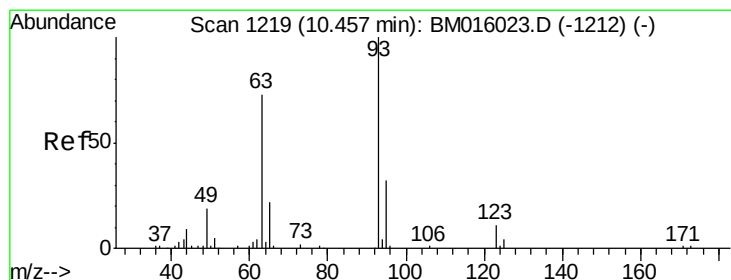
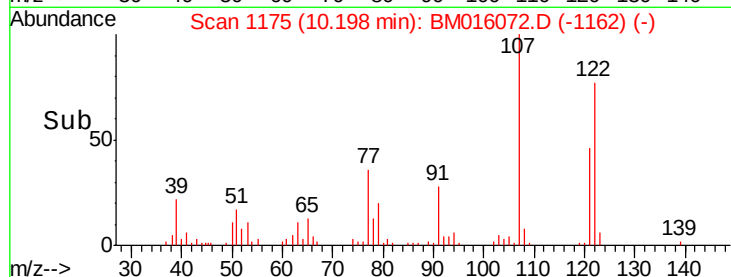
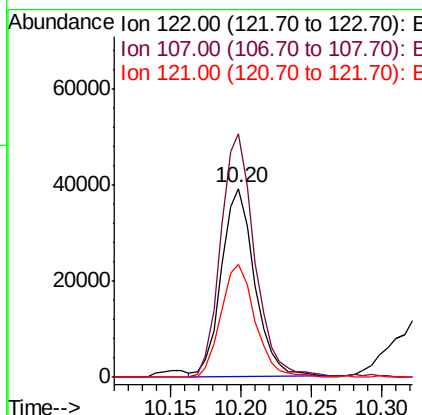
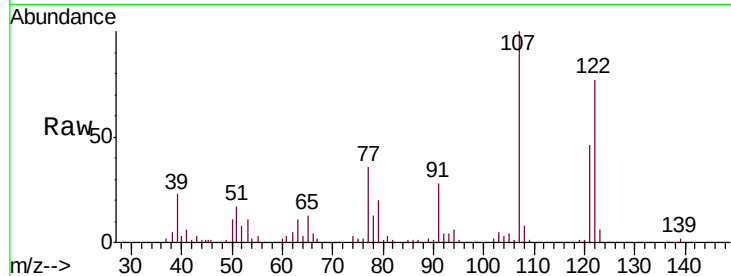




#27
2,4-Dimethylphenol
Concen: 22.751 ng
RT: 10.20 min Scan# 1175
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

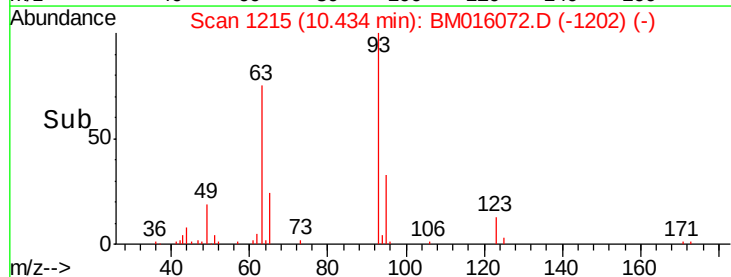
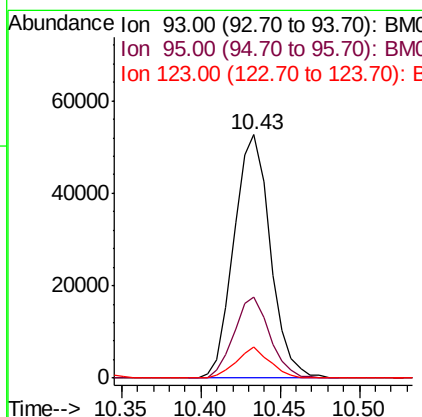
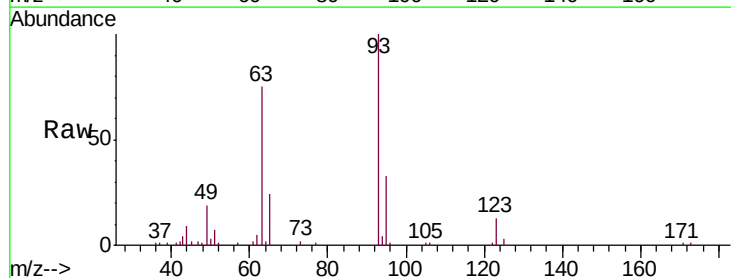
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

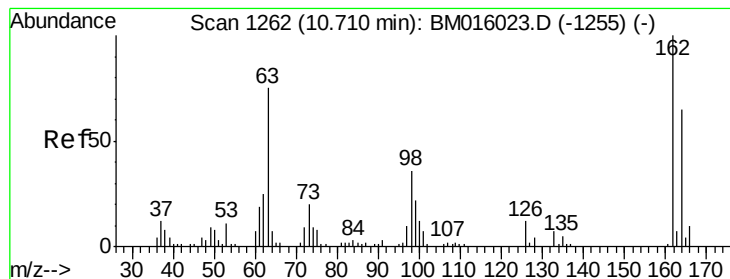
Tgt Ion:122 Resp: 63993
Ion Ratio Lower Upper
122 100
107 129.1 84.7 127.1#
121 59.9 46.6 69.8



#28
bis(2-Chloroethoxy)methane
Concen: 19.608 ng
RT: 10.43 min Scan# 1215
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

Tgt Ion: 93 Resp: 83759
Ion Ratio Lower Upper
93 100
95 33.2 25.5 38.3
123 12.8 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 19.732 ng

RT: 10.69 min Scan# 1258

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

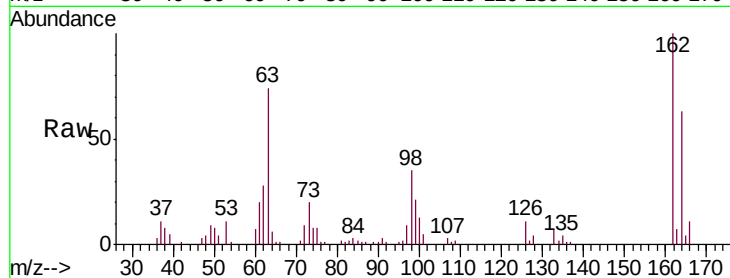
Tgt Ion:162 Resp: 65951

Ion Ratio Lower Upper

162 100

164 62.6 42.8 82.8

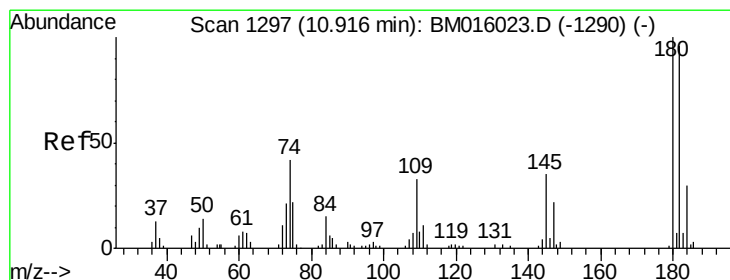
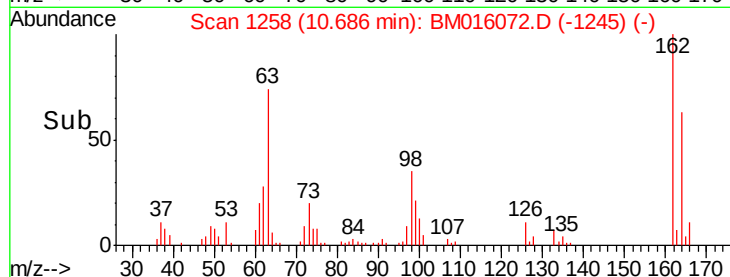
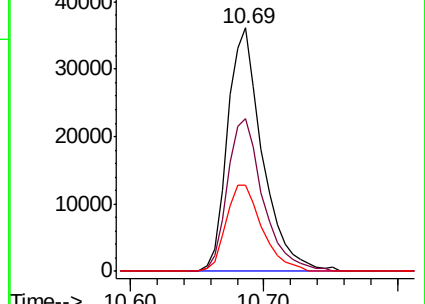
98 35.4 14.5 54.5



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: 18.234 ng

RT: 10.89 min Scan# 1293

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

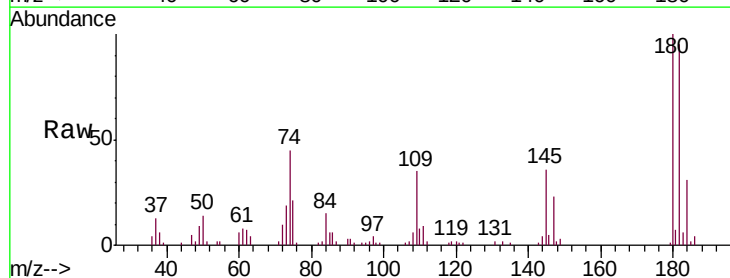
Tgt Ion:180 Resp: 74051

Ion Ratio Lower Upper

180 100

182 95.3 77.6 116.4

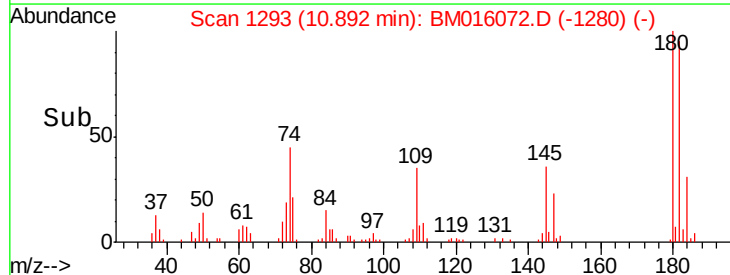
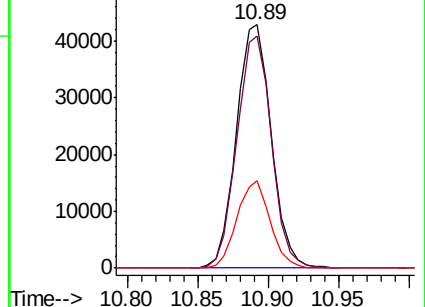
145 36.0 23.4 35.2#

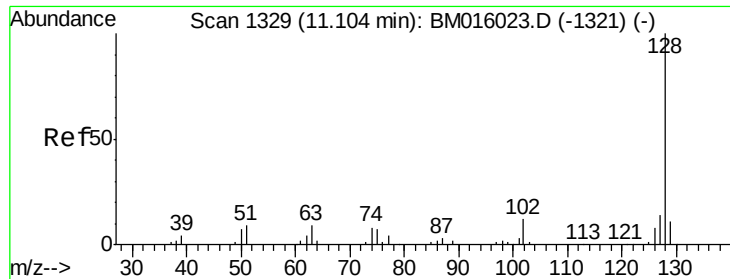


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

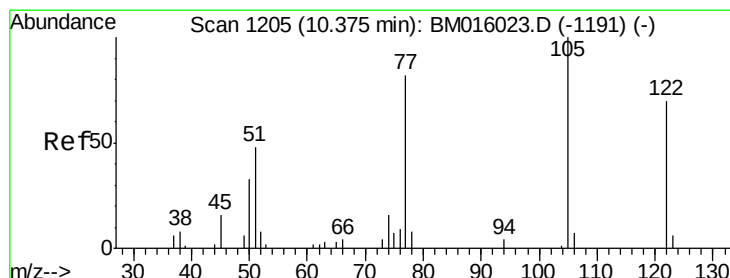
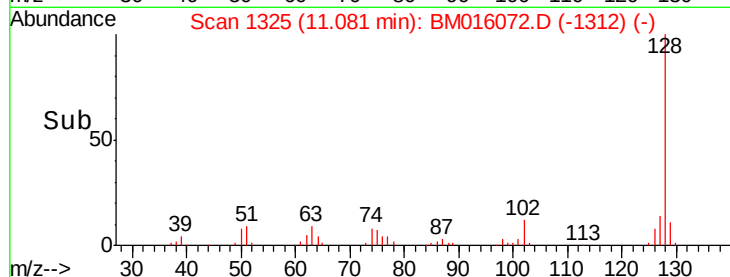
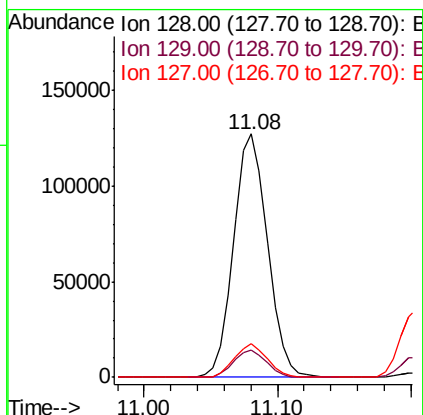
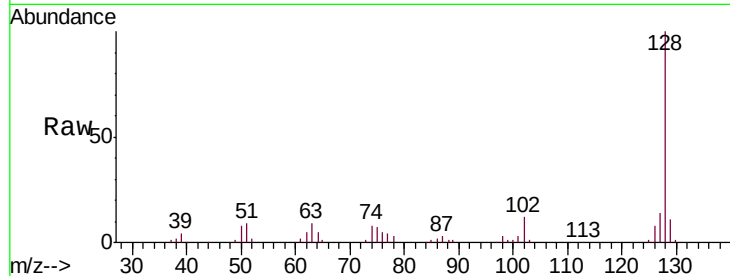




#31
Naphthalene
Concen: 19.808 ng
RT: 11.08 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

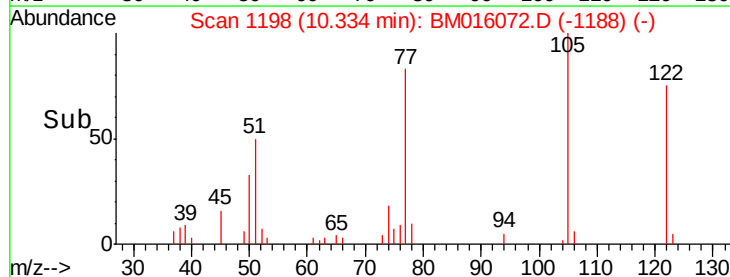
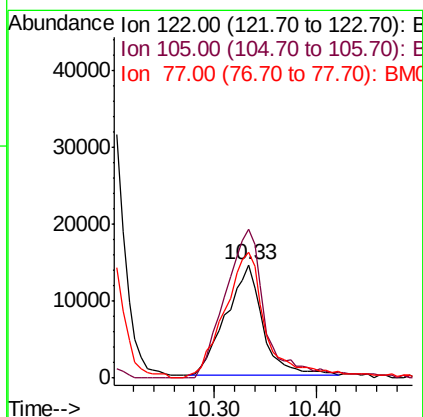
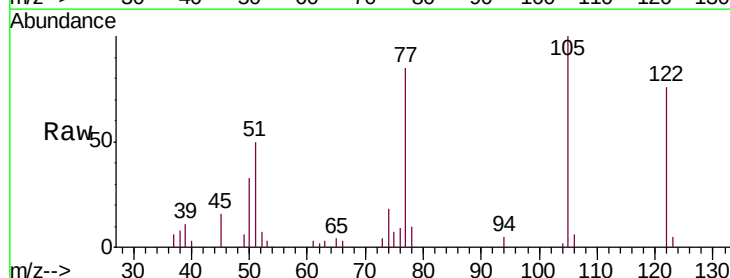
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

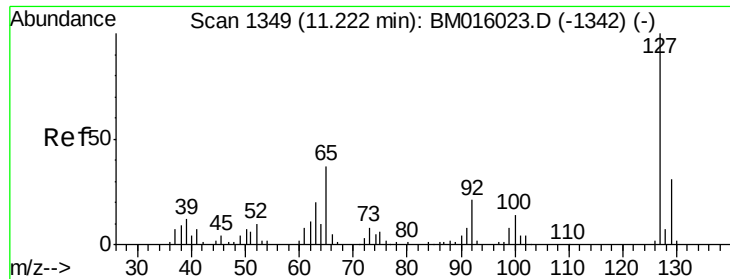
Tgt Ion:128 Resp: 224034
Ion Ratio Lower Upper
128 100
129 11.4 8.9 13.3
127 13.7 10.4 15.6



#32
Benzoic acid
Concen: 16.908 ng
RT: 10.33 min Scan# 1198
Delta R.T. -0.04 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

Tgt Ion:122 Resp: 36254
Ion Ratio Lower Upper
122 100
105 131.0 99.9 139.9
77 111.2 73.7 113.7

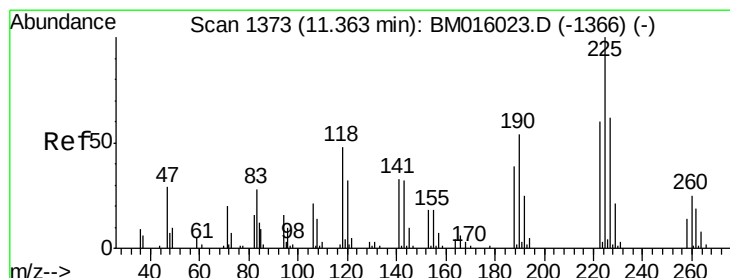
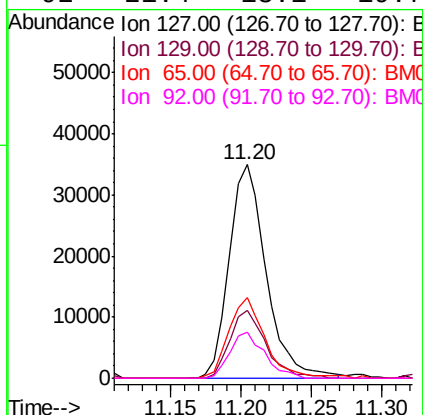
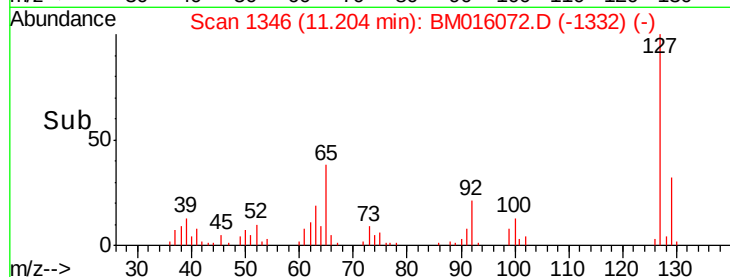
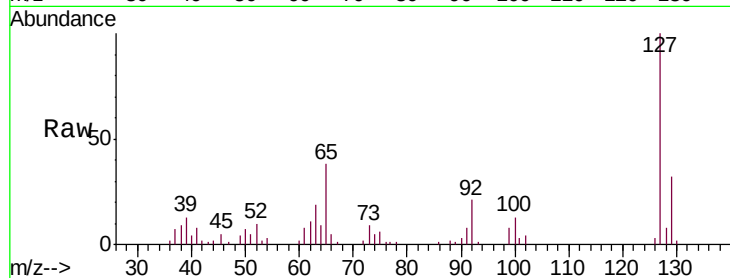




#33
4-Chloroaniline
Concen: 13.847 ng
RT: 11.20 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

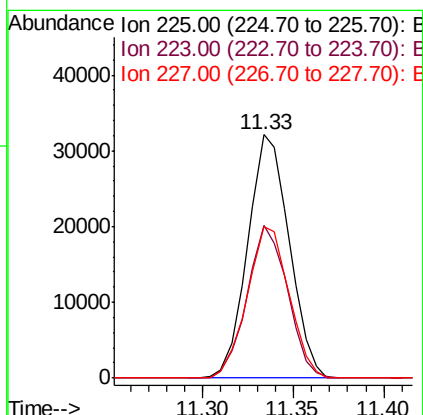
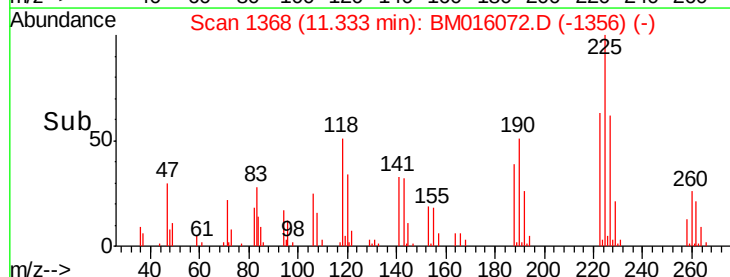
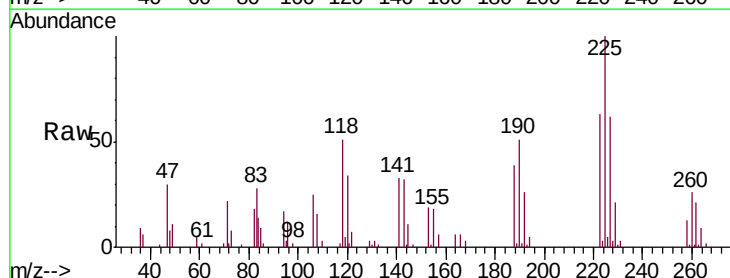
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

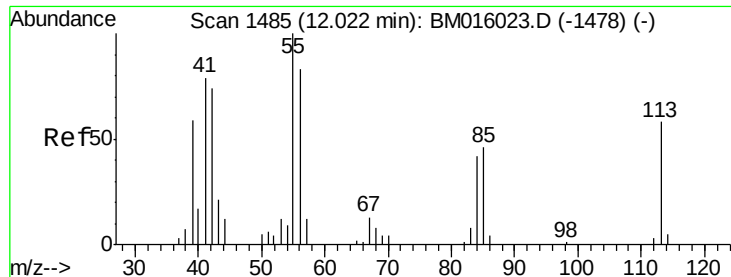
Tgt Ion:127 Resp: 63911
Ion Ratio Lower Upper
127 100
129 31.7 25.3 37.9
65 37.6 17.6 26.4#
92 21.4 13.1 19.7#



#34
Hexachlorobutadiene
Concen: 18.153 ng
RT: 11.33 min Scan# 1368
Delta R.T. -0.03 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

Tgt Ion:225 Resp: 51137
Ion Ratio Lower Upper
225 100
223 62.8 47.9 71.9
227 62.4 50.1 75.1





#35

Caprolactam

Concen: 16.604 ng

RT: 11.99 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

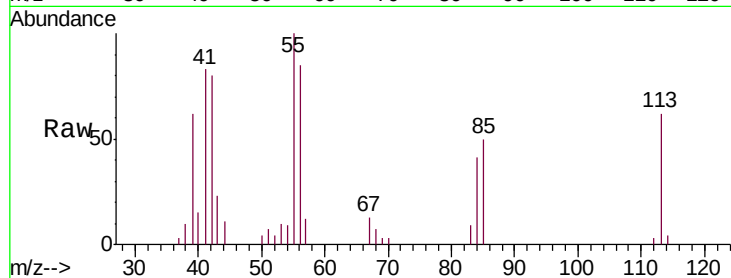
Tgt Ion:113 Resp: 15371

Ion Ratio Lower Upper

113 100

55 160.5 145.9 185.9

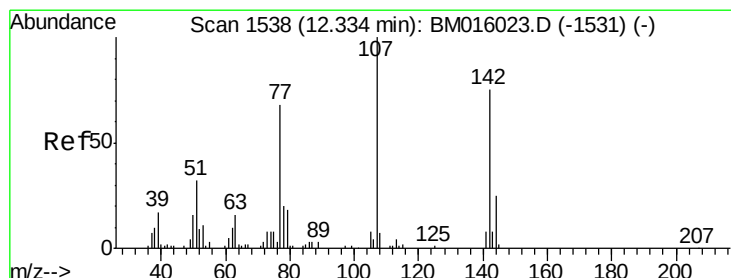
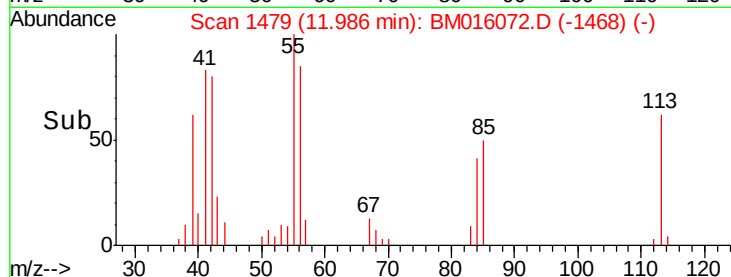
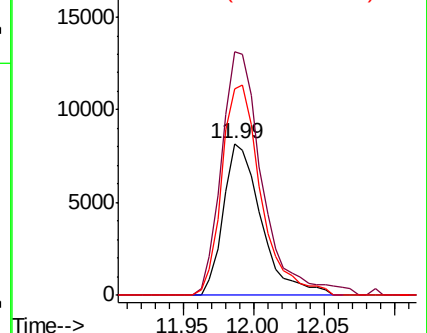
56 136.4 101.0 141.0



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM



#36

4-Chloro-3-methylphenol

Concen: 18.832 ng

RT: 12.31 min Scan# 1534

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

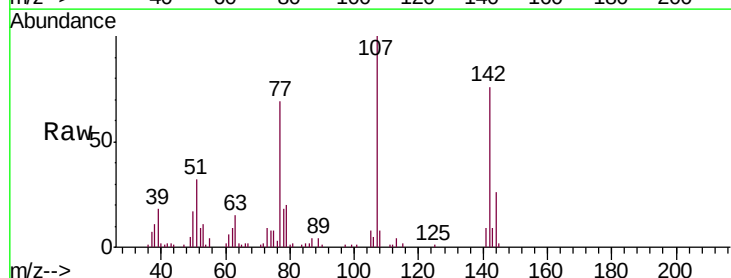
Tgt Ion:107 Resp: 69233

Ion Ratio Lower Upper

107 100

144 26.0 23.3 34.9

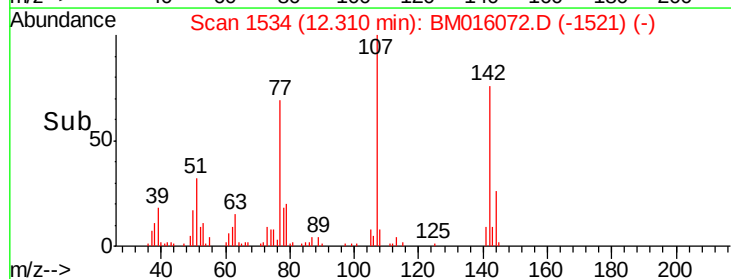
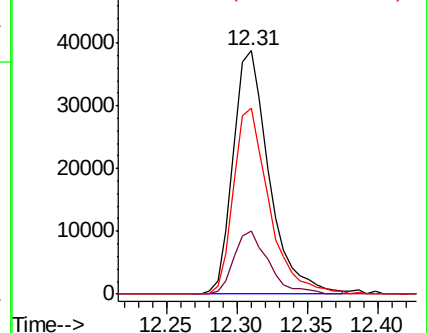
142 76.4 72.6 109.0

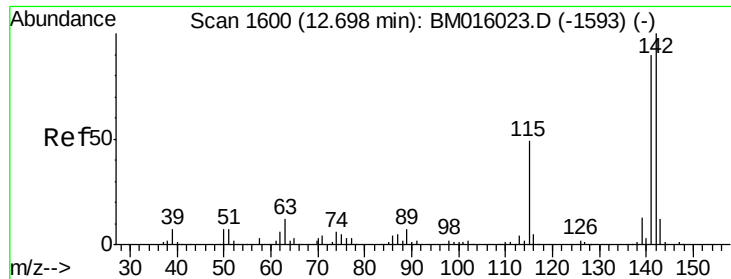


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

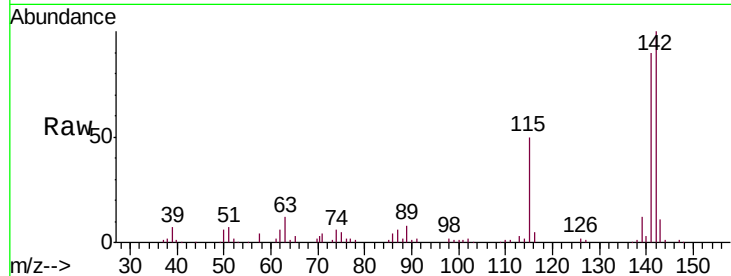




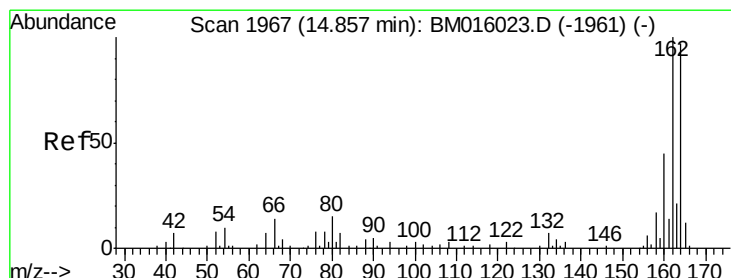
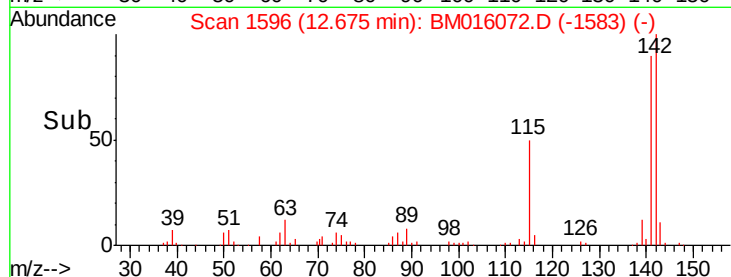
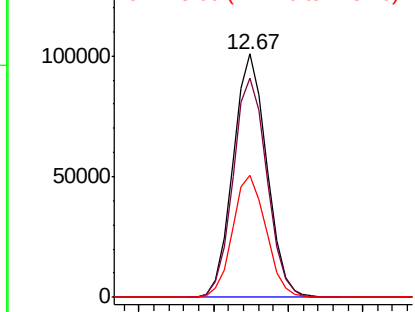
#37
 2-Methylnaphthalene
 Concen: 20.942 ng
 RT: 12.67 min Scan# 1596
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

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

Tgt Ion:142 Resp: 158669
 Ion Ratio Lower Upper
 142 100
 141 90.2 71.9 107.9
 115 50.1 25.4 38.0#

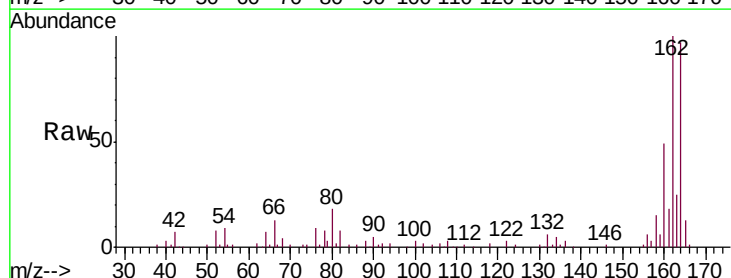


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

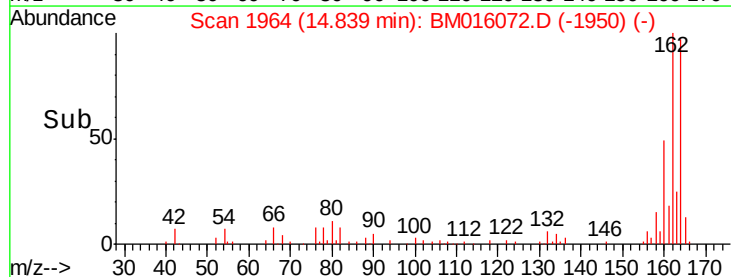
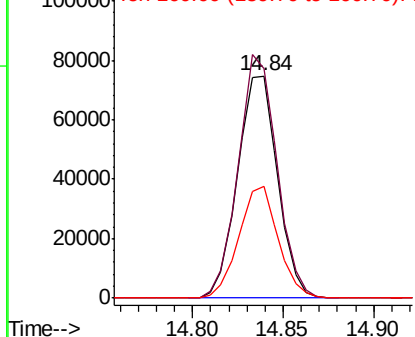


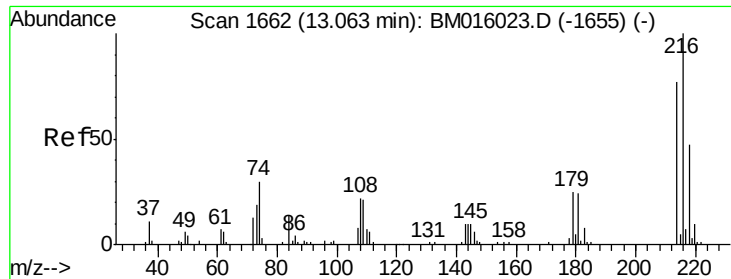
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.84 min Scan# 1964
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

Tgt Ion:164 Resp: 114848
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.4 123.6
 160 50.1 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

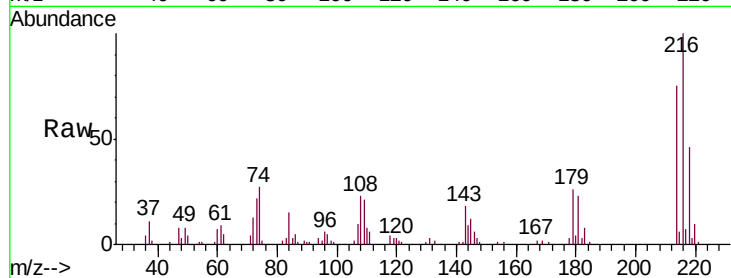




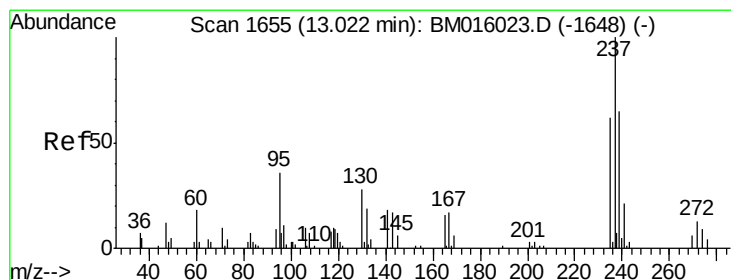
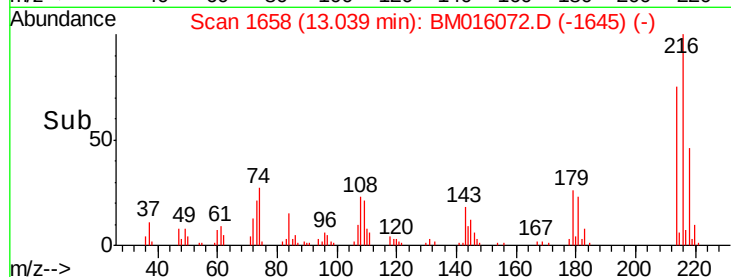
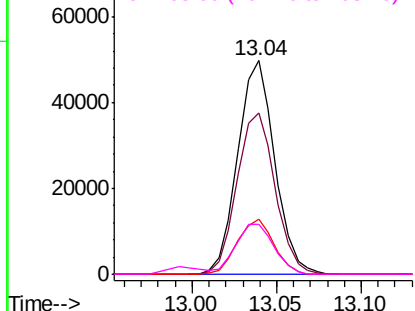
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 19.414 ng
 RT: 13.04 min Scan# 1658
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

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

Tgt Ion:	216	Resp:	75909
Ion	Ratio	Lower	Upper
216	100		
214	77.7	0.0	0.0#
179	25.5	0.0	0.0#
108	24.5	0.0	0.0#

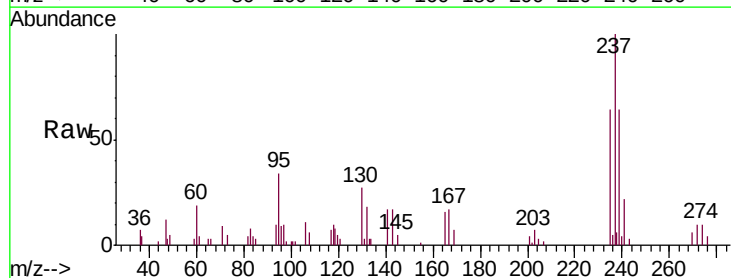


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

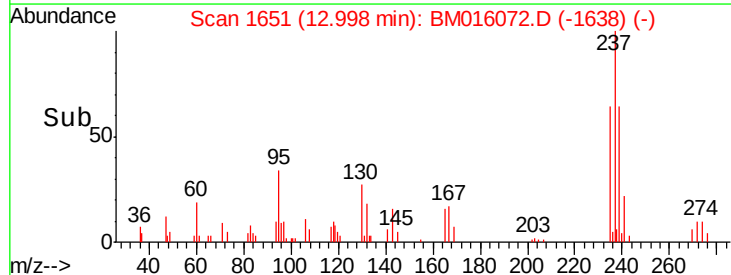
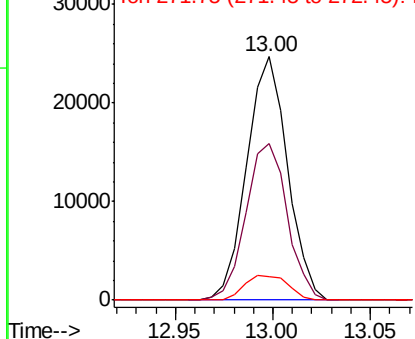


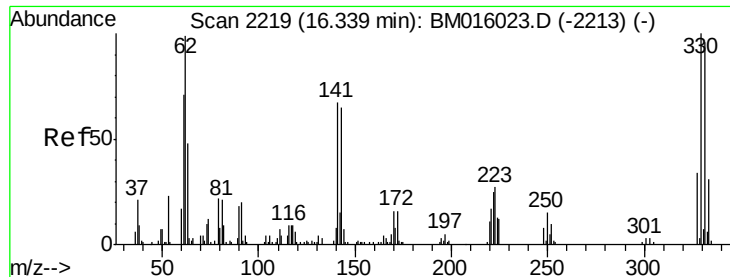
#40
 Hexachlorocyclopentadiene
 Concen: 24.500 ng
 RT: 13.00 min Scan# 1651
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

Tgt Ion:	237	Resp:	35721
Ion	Ratio	Lower	Upper
237	100		
235	64.2	42.0	82.0
272	9.6	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

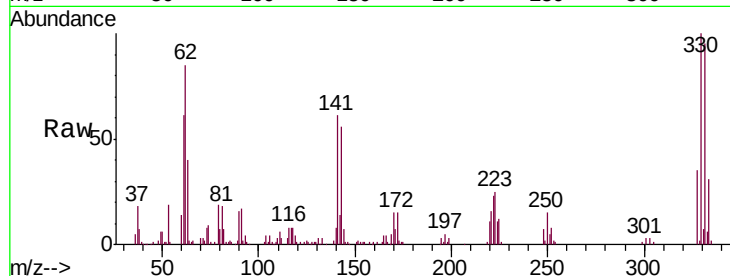




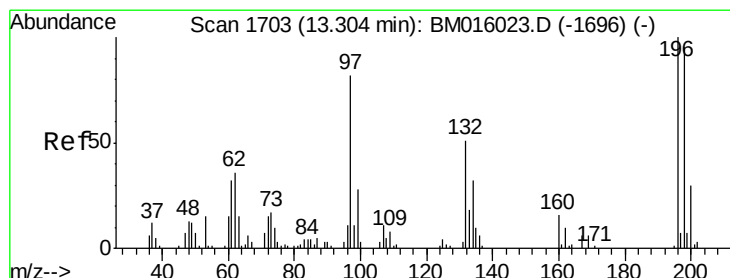
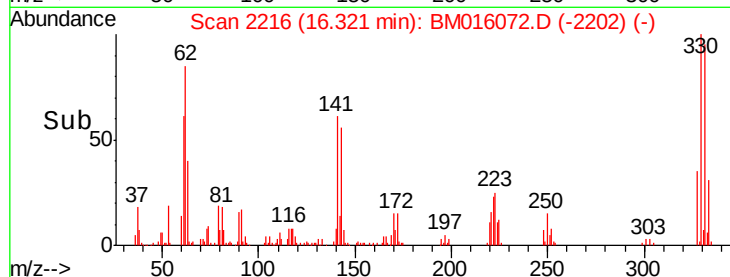
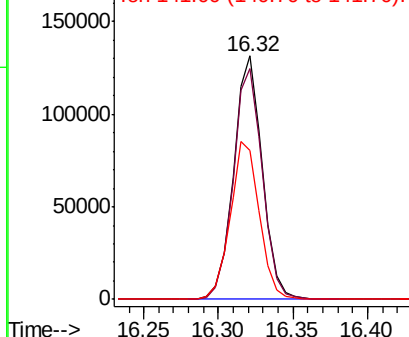
#41
 2,4,6-Tribromophenol
 Concen: 24.500 ng
 RT: 16.32 min Scan# 2216
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

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

Tgt Ion:330 Resp: 175909
 Ion Ratio Lower Upper
 330 100
 332 96.1 0.0 0.0#
 141 65.8 0.0 0.0#

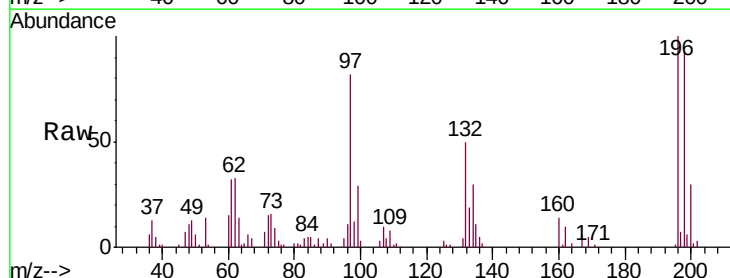


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

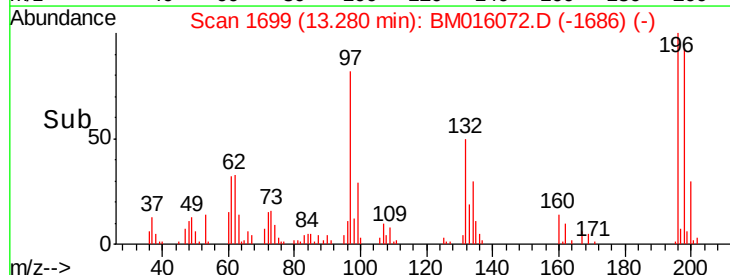
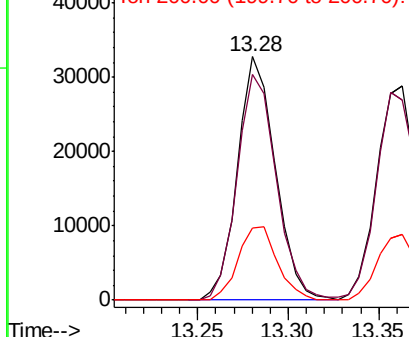


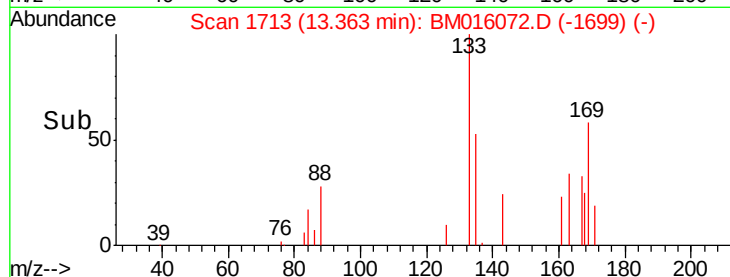
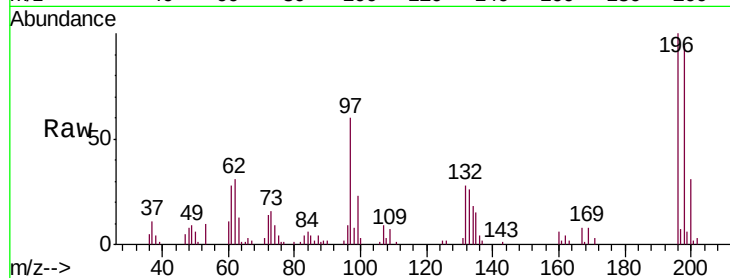
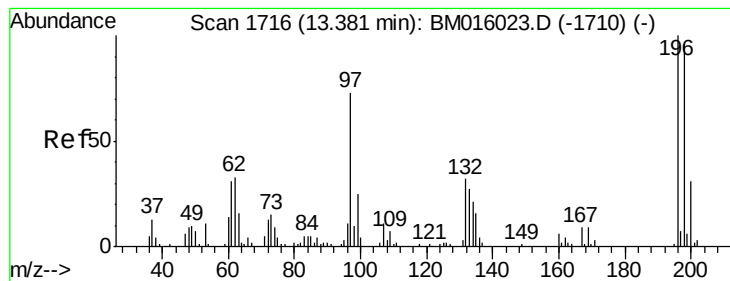
#42
 2,4,6-Trichlorophenol
 Concen: 19.516 ng
 RT: 13.28 min Scan# 1699
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

Tgt Ion:196 Resp: 47742
 Ion Ratio Lower Upper
 196 100
 198 92.6 76.3 114.5
 200 29.6 25.6 38.4



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

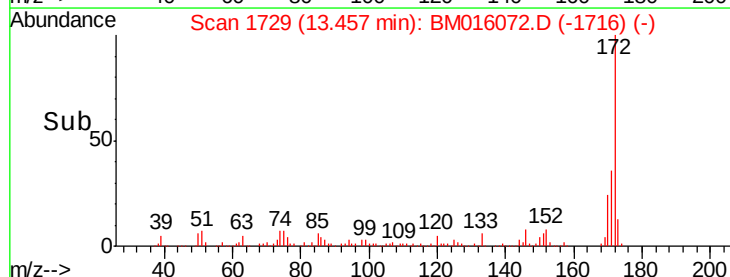
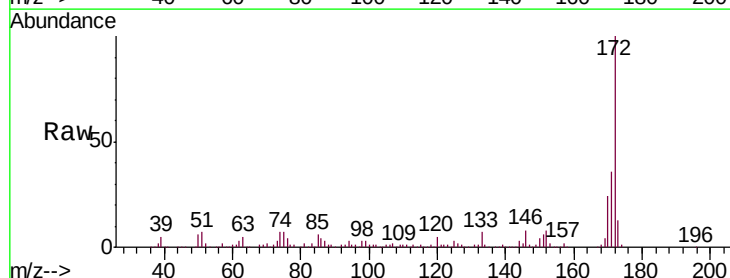
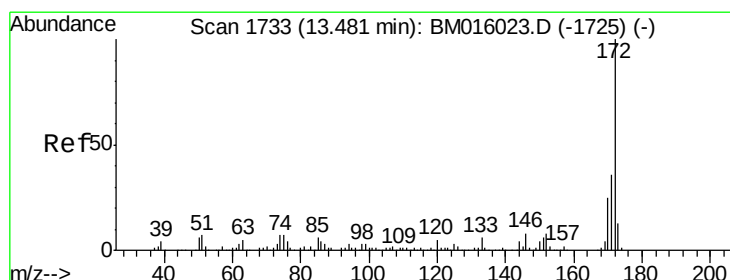
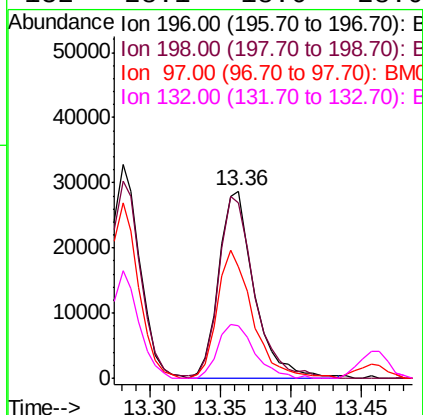




#43
2,4,5-Trichlorophenol
Concen: 19.957 ng
RT: 13.36 min Scan# 1713
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

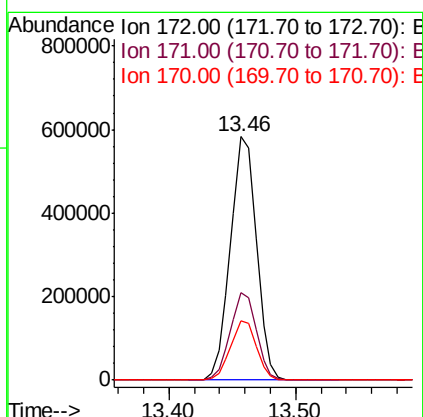
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

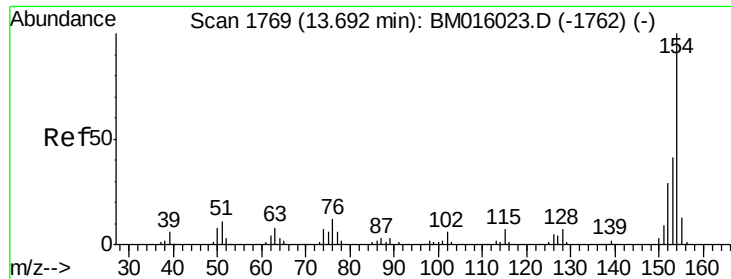
Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.9	79.4	119.0
97	59.7	26.8	40.2
132	28.1	18.6	28.0



#44
2-Fluorobiphenyl
Concen: 19.957 ng
RT: 13.46 min Scan# 1729
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.5	42.7
170	24.3	18.8	28.2

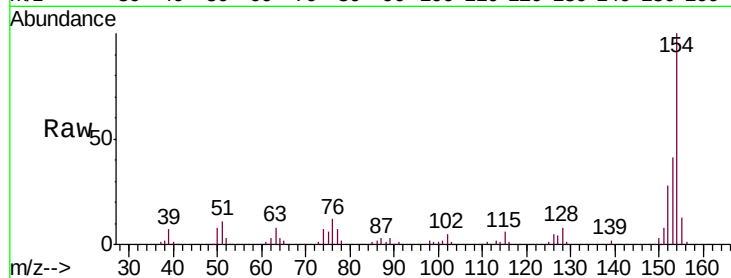




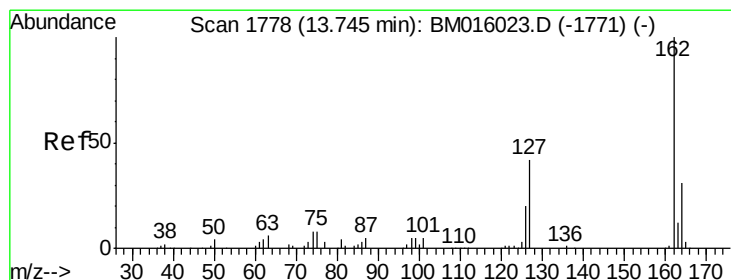
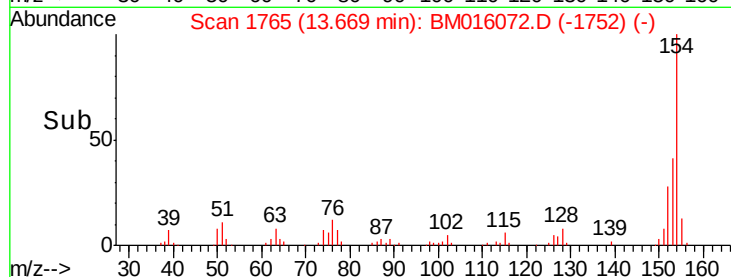
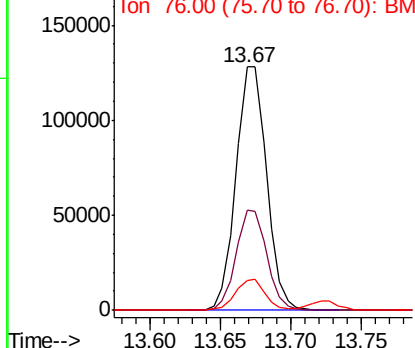
#45
 1,1'-Biphenyl
 Concen: 18.771 ng
 RT: 13.67 min Scan# 1765
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

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

Tgt Ion:	154	Resp:	194558
Ion	Ratio	Lower	Upper
154	100		
153	41.4	20.7	60.7
76	12.1	0.0	30.9

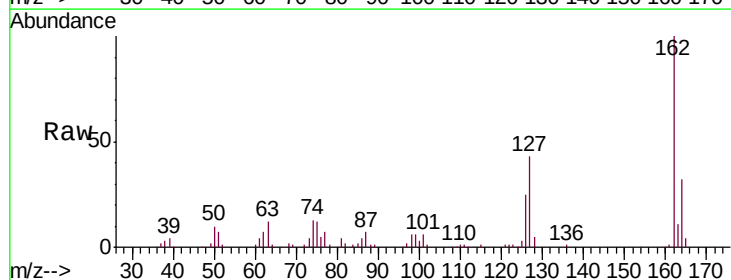


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

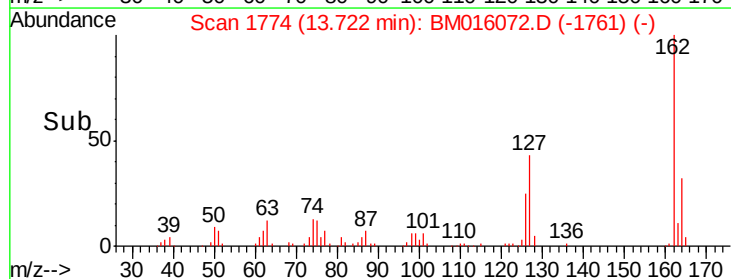
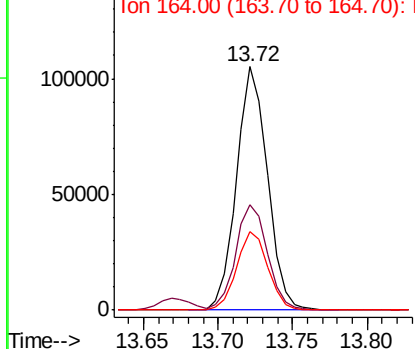


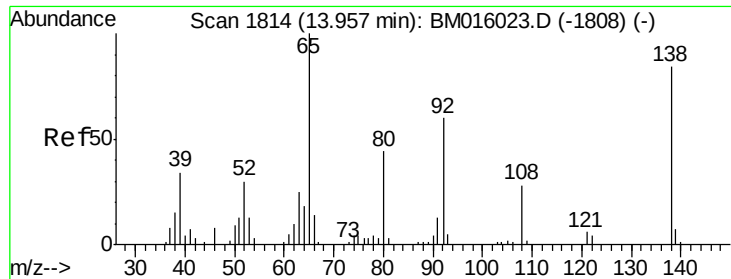
#46
 2-Chloronaphthalene
 Concen: 18.809 ng
 RT: 13.72 min Scan# 1774
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

Tgt Ion:	162	Resp:	151626
Ion	Ratio	Lower	Upper
162	100		
127	43.4	26.9	40.3#
164	32.3	26.8	40.2



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

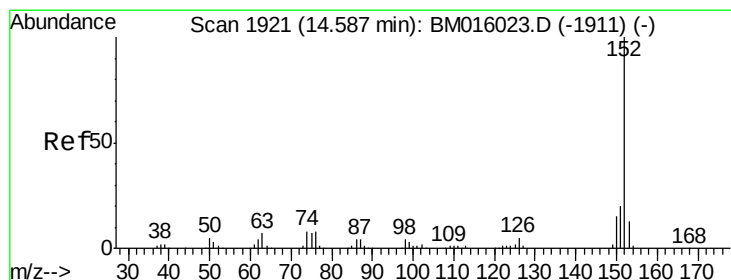
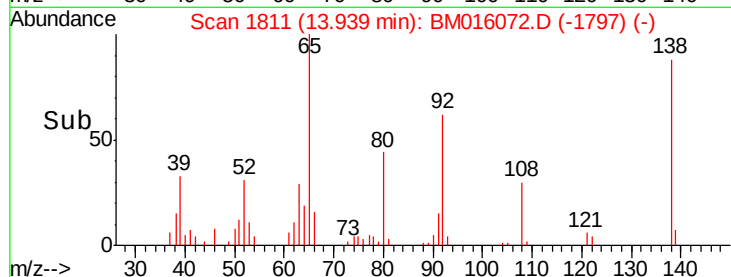
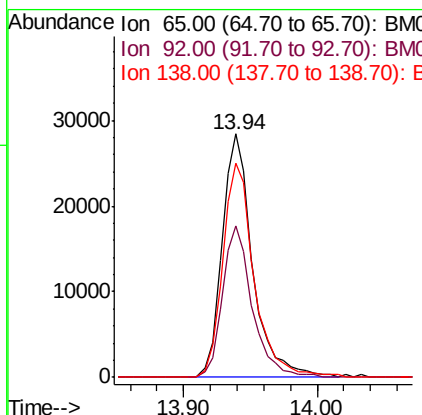
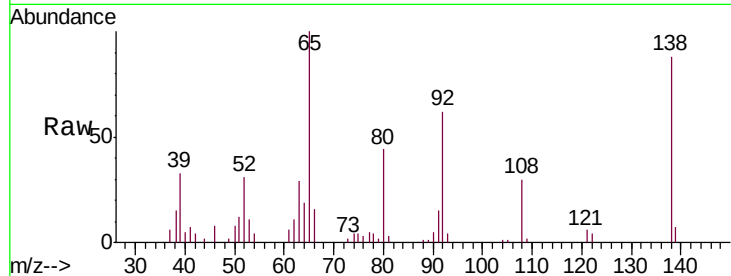




#47
2-Nitroaniline
Concen: 17.055 ng
RT: 13.94 min Scan# 1811
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

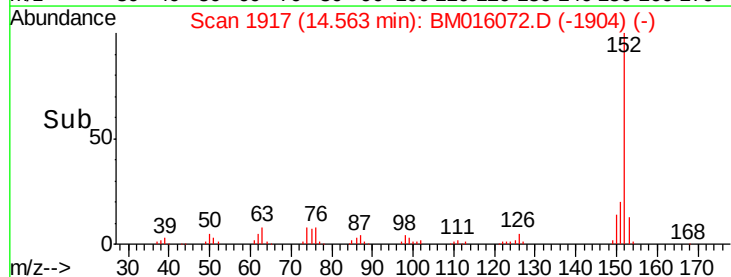
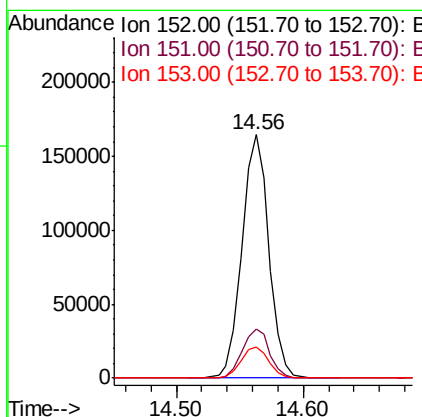
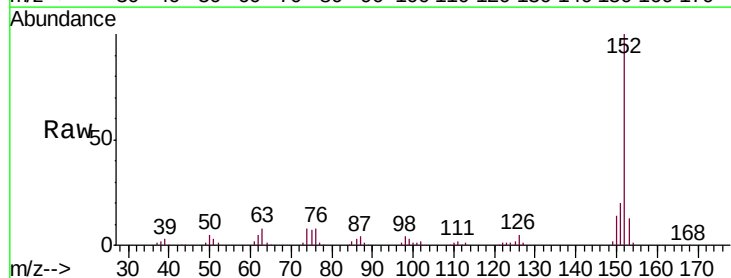
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

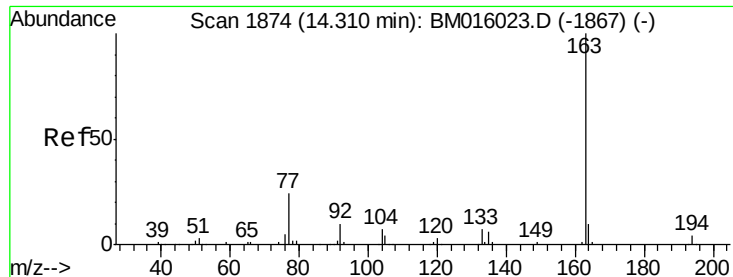
Tgt Ion: 65 Resp: 45455
Ion Ratio Lower Upper
65 100
92 62.2 59.1 88.7
138 88.0 93.9 140.9#



#48
Acenaphthylene
Concen: 20.399 ng
RT: 14.56 min Scan# 1917
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

Tgt Ion: 152 Resp: 240743
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 12.7 10.6 16.0





#49

Dimethylphthalate

Concen: 18.492 ng

RT: 14.29 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

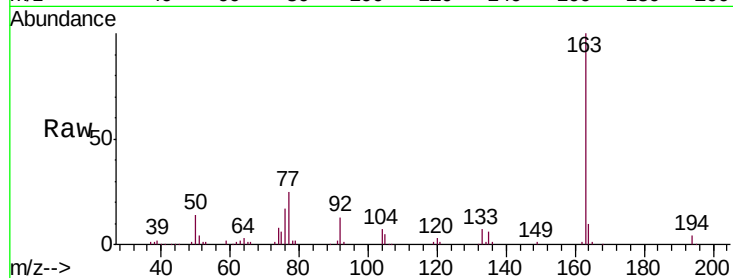
Tgt Ion:163 Resp: 185859

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

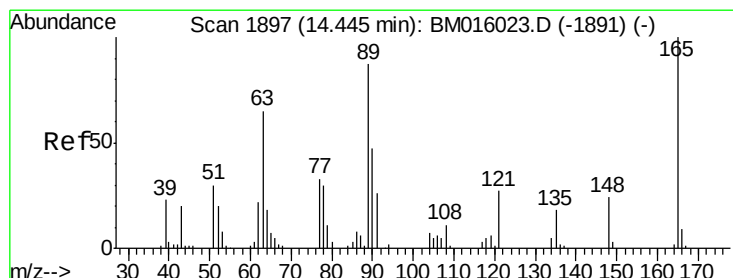
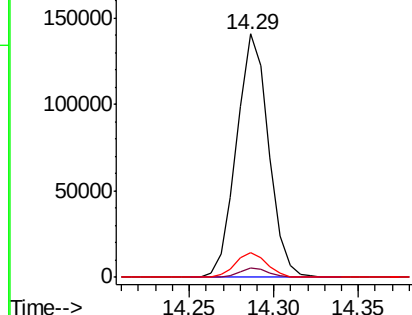
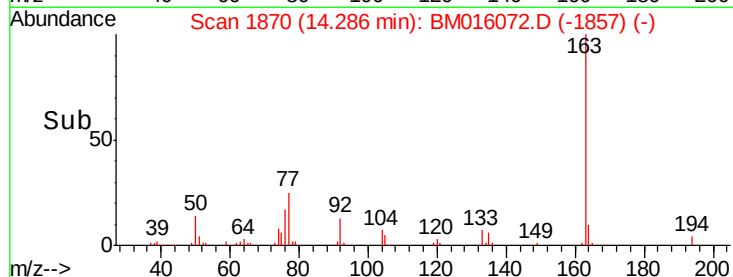
164 10.2 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 18.220 ng

RT: 14.43 min Scan# 1894

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

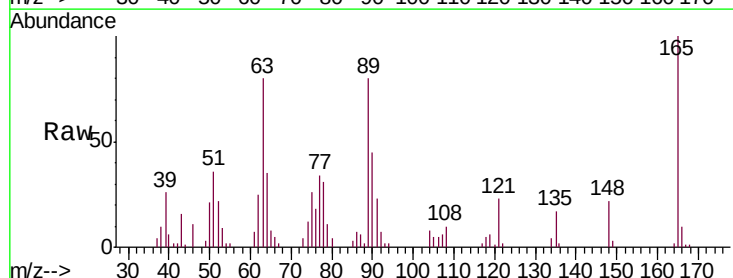
Tgt Ion:165 Resp: 36847

Ion Ratio Lower Upper

165 100

63 80.0 44.1 66.1#

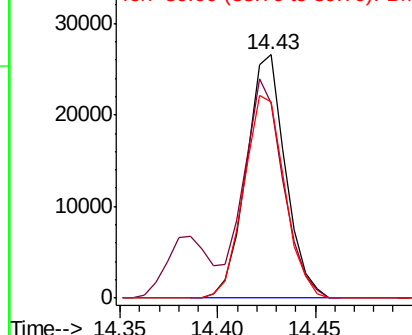
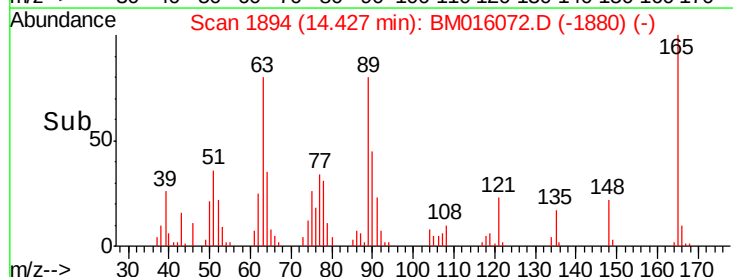
89 80.4 44.3 66.5#

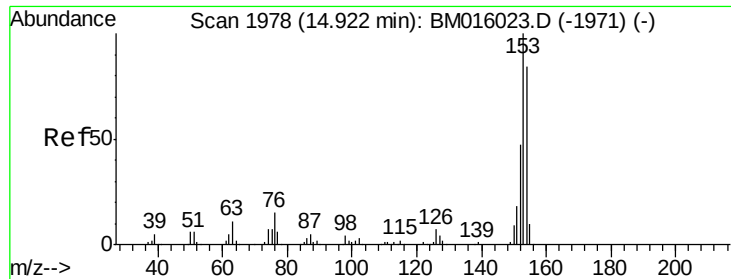


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0





#51

Acenaphthene

Concen: 19.086 ng

RT: 14.90 min Scan# 1974

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

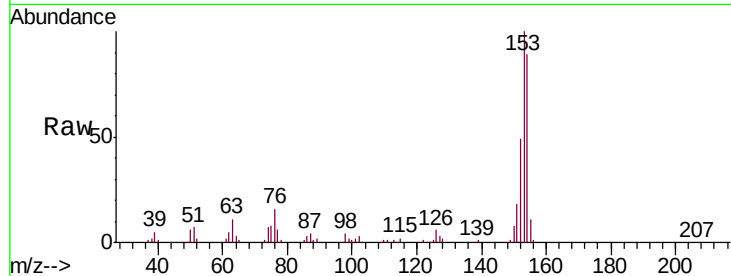
Tgt Ion:154 Resp: 138529

Ion Ratio Lower Upper

154 100

153 112.7 90.0 135.0

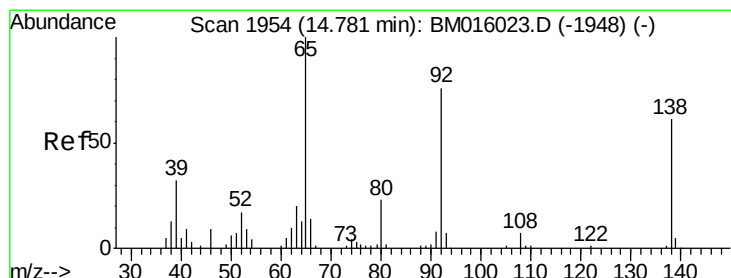
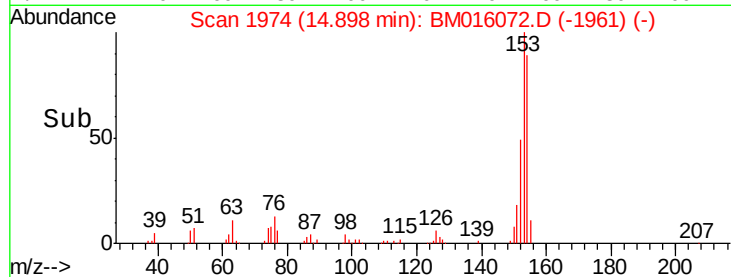
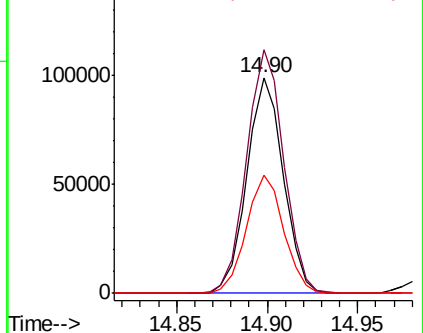
152 55.0 42.6 63.8



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: 13.378 ng

RT: 14.76 min Scan# 1951

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

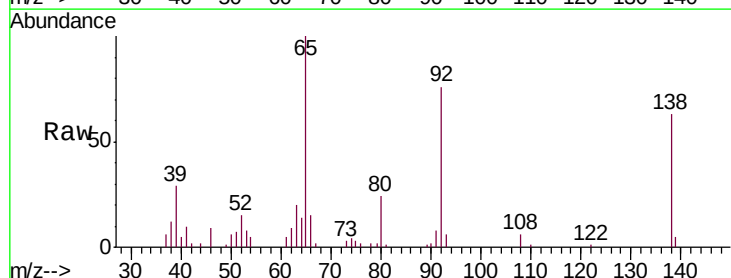
Tgt Ion:138 Resp: 29221

Ion Ratio Lower Upper

138 100

108 10.1 7.3 10.9

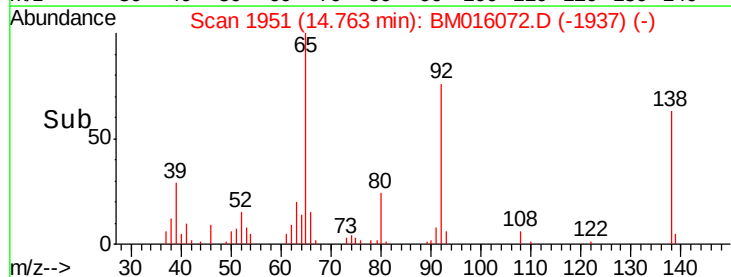
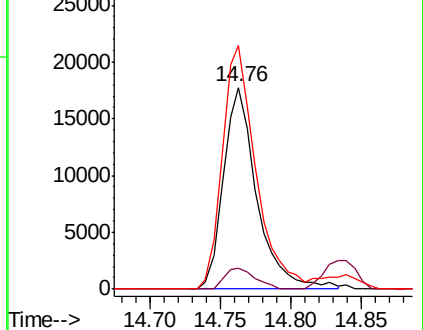
92 120.7 76.6 114.8#

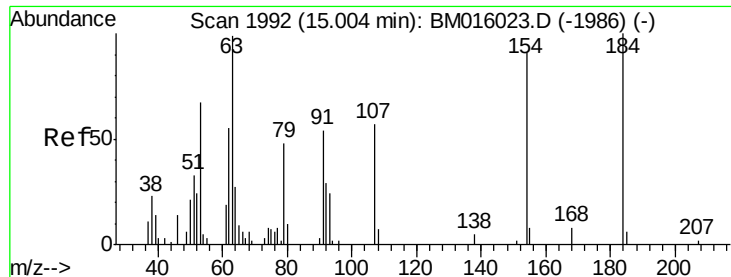


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): E





#53

2,4-Dinitrophenol

Concen: 20.270 ng

RT: 14.99 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

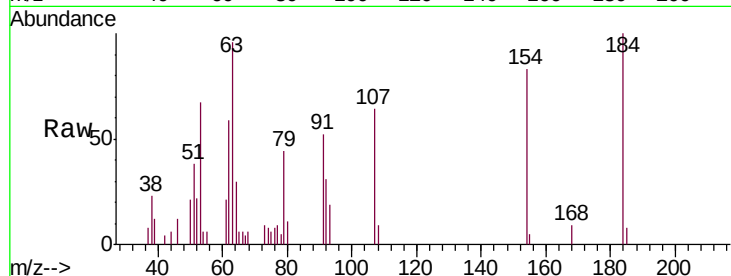
Tgt Ion:184 Resp: 13306

Ion Ratio Lower Upper

184 100

63 95.6 69.2 103.8

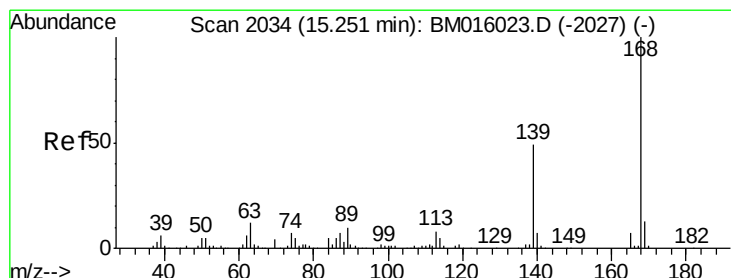
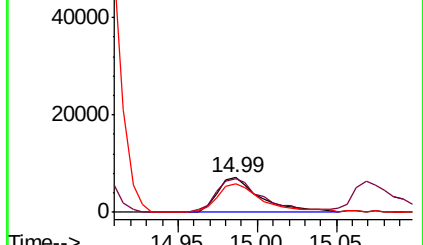
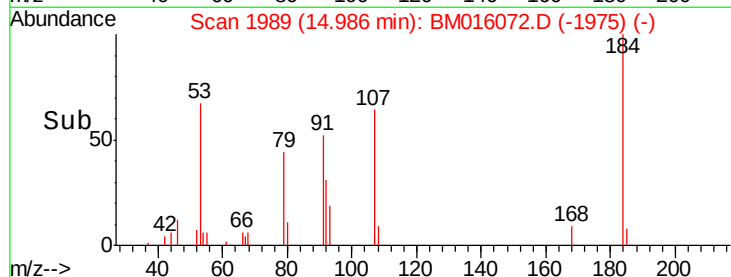
154 82.5 53.3 79.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 18.463 ng

RT: 15.23 min Scan# 2031

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

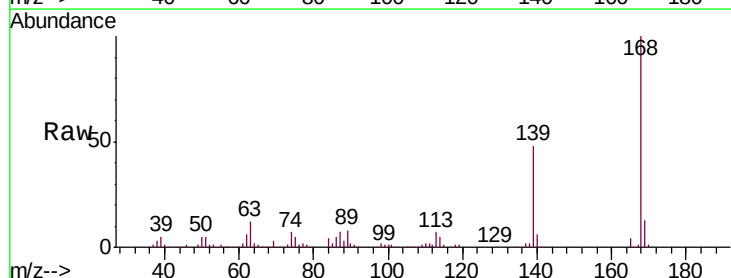
Tgt Ion:168 Resp: 220830

Ion Ratio Lower Upper

168 100

139 48.0 27.3 40.9#

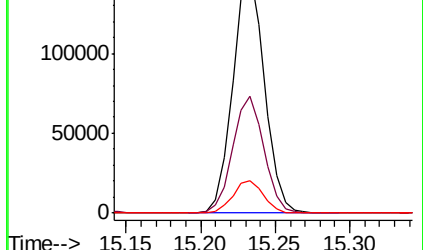
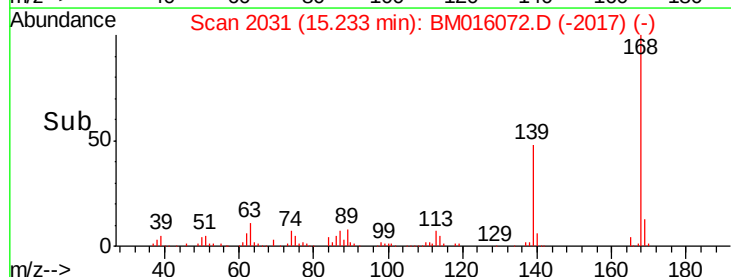
169 13.2 10.6 16.0

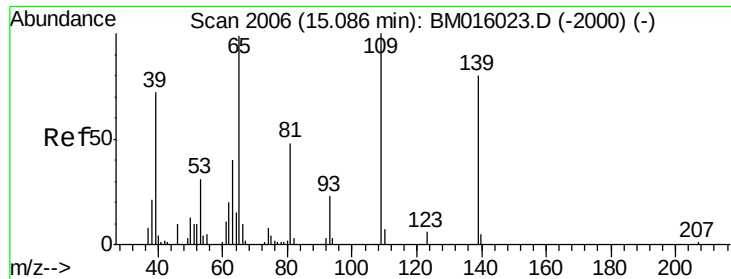


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

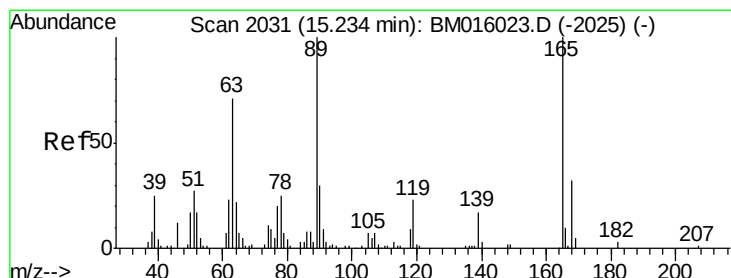
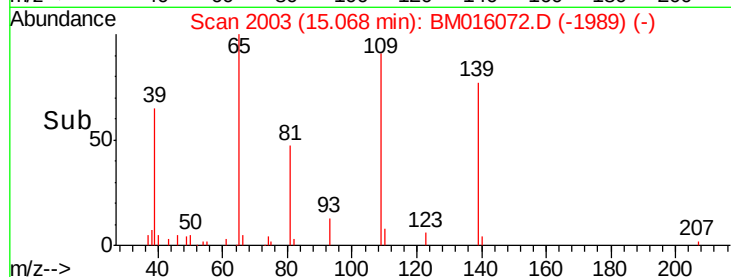
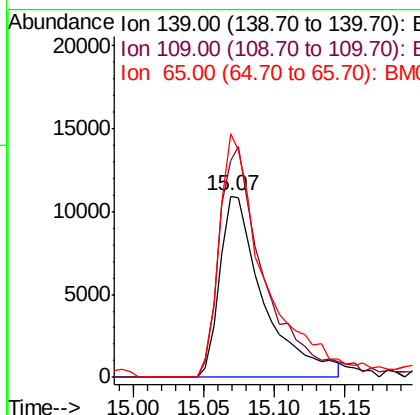
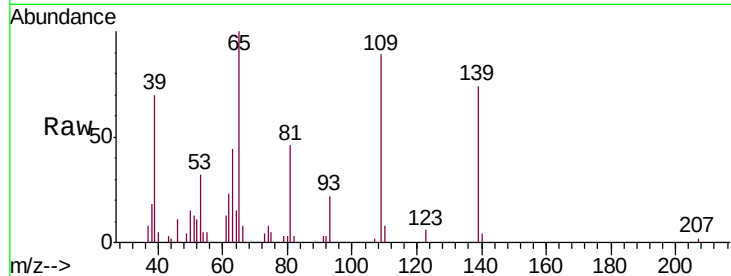




#55
4-Nitrophenol
Concen: 15.143 ng
RT: 15.07 min Scan# 2003
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

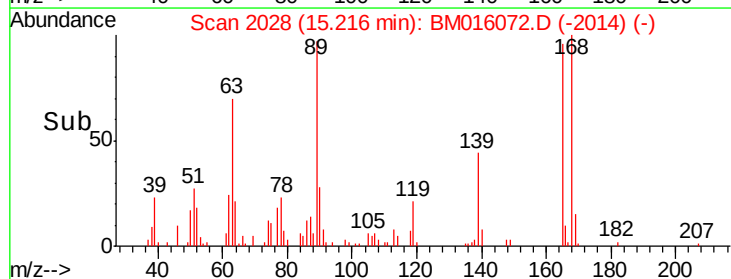
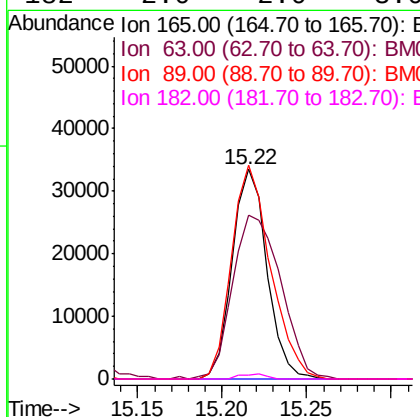
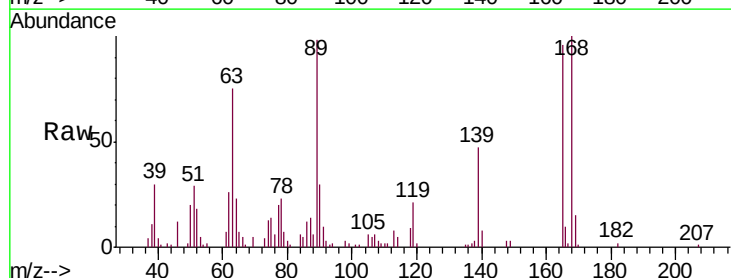
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

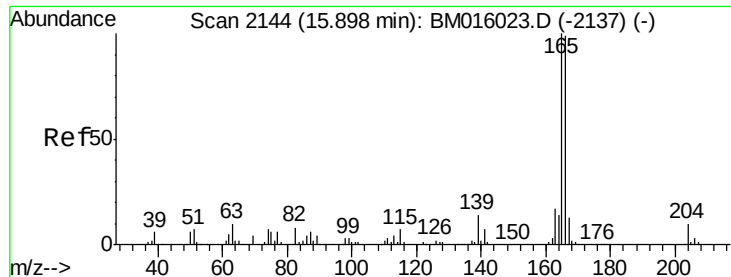
Tgt Ion:139 Resp: 23712
Ion Ratio Lower Upper
139 100
109 119.3 130.0 170.0#
65 134.3 130.0 170.0



#56
2,4-Dinitrotoluene
Concen: 16.546 ng
RT: 15.22 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

Tgt Ion:165 Resp: 47846
Ion Ratio Lower Upper
165 100
63 78.0 52.4 78.6
89 102.0 72.4 108.6
182 2.0 2.0 3.0

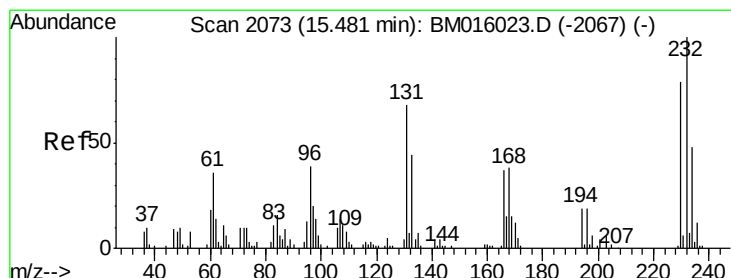
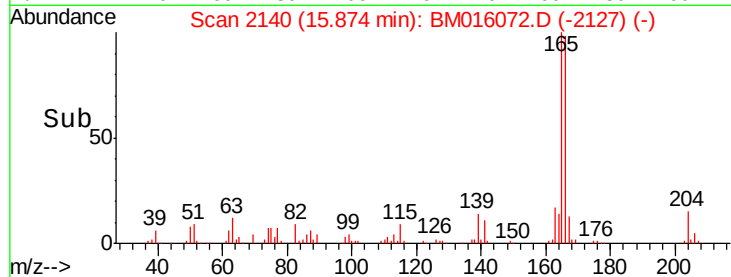
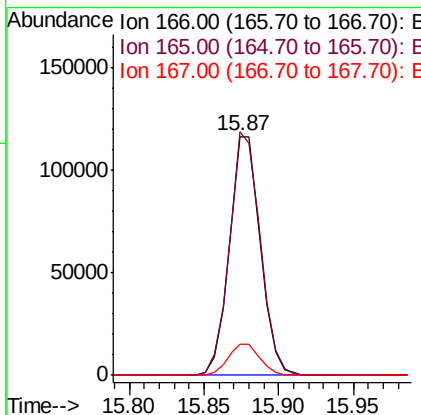
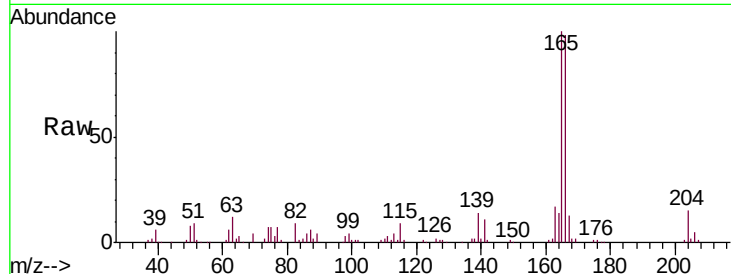




#57
 Fluorene
 Concen: 19.116 ng
 RT: 15.87 min Scan# 2140
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

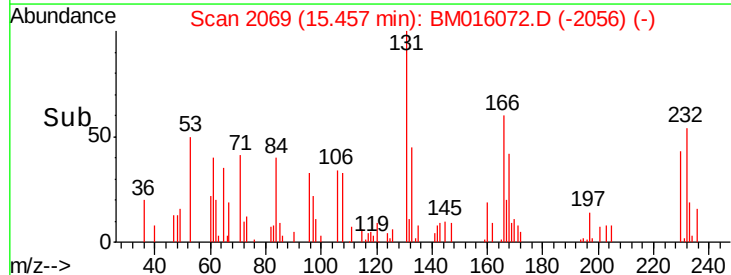
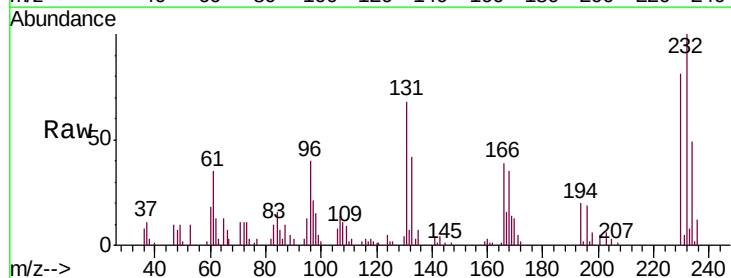
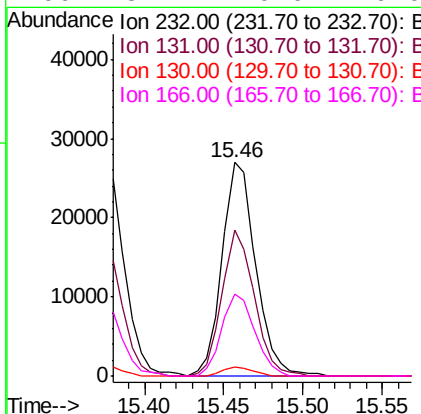
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

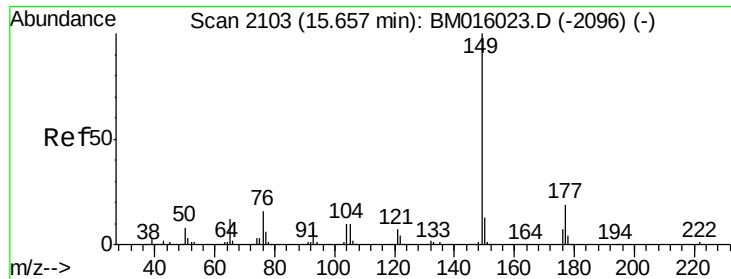
Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.0	79.0	118.4
167	13.2	10.3	15.5



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 18.371 ng
 RT: 15.46 min Scan# 2069
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

Tgt Ion	Ratio	Lower	Upper
232	100		
131	65.4	0.0	0.0#
130	3.9	0.0	0.0#
166	37.7	0.0	0.0#





#59

Diethylphthalate

Concen: 17.255 ng

RT: 15.63 min Scan# 2099

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

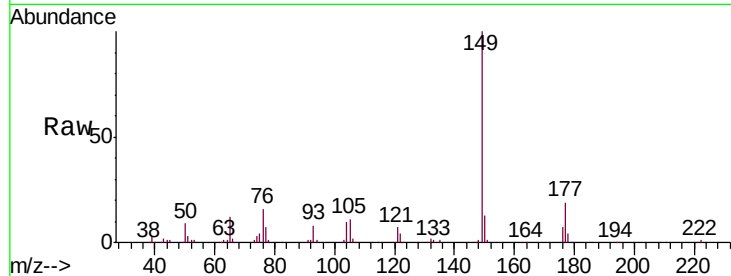
Tgt Ion:149 Resp: 186936

Ion Ratio Lower Upper

149 100

177 19.5 18.3 27.5

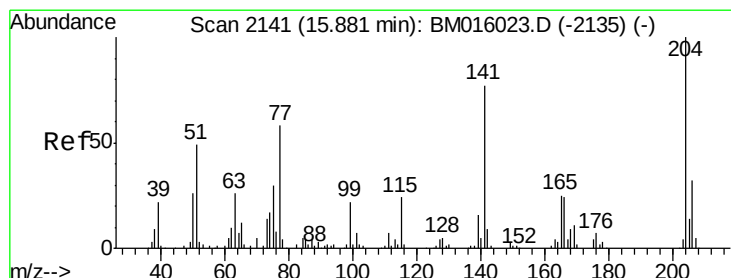
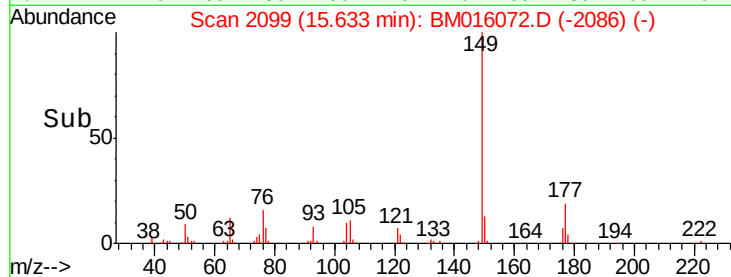
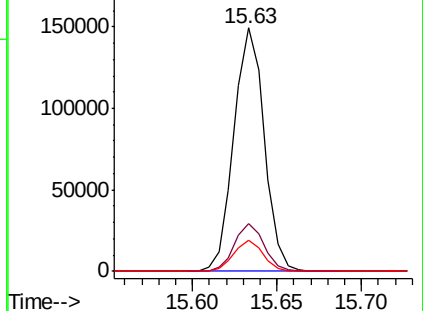
150 12.6 9.8 14.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 17.246 ng

RT: 15.86 min Scan# 2138

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

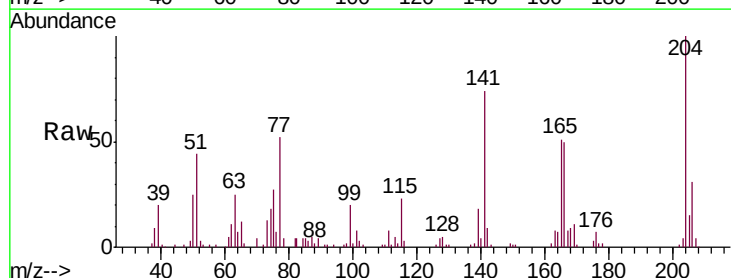
Tgt Ion:204 Resp: 85328

Ion Ratio Lower Upper

204 100

206 31.4 26.6 39.8

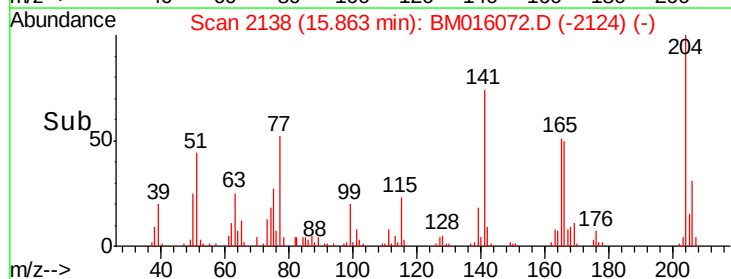
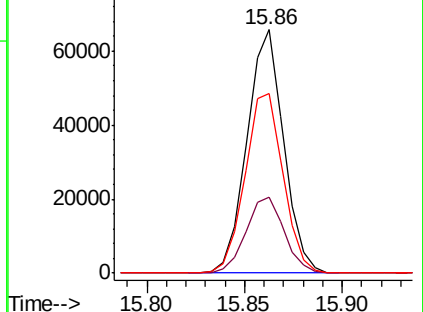
141 73.6 45.2 67.8#

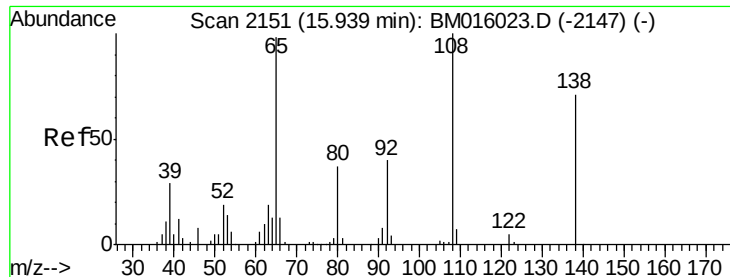


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 14.817 ng

RT: 15.92 min Scan# 2147

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

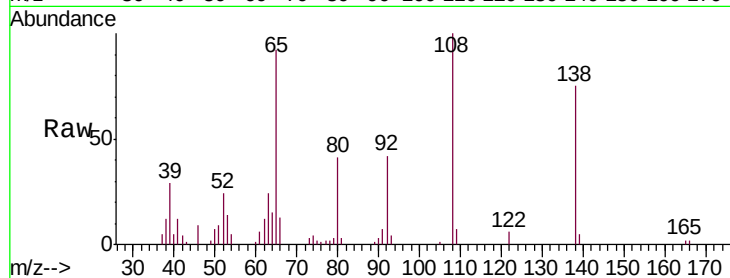
Tgt Ion:138 Resp: 31052

Ion Ratio Lower Upper

138 100

92 56.6 16.7 56.7

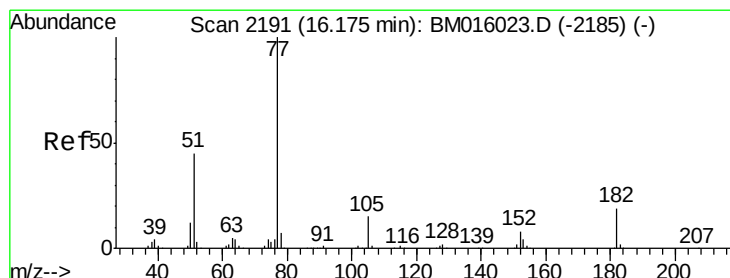
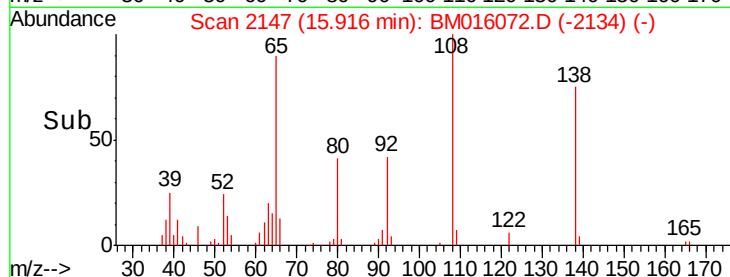
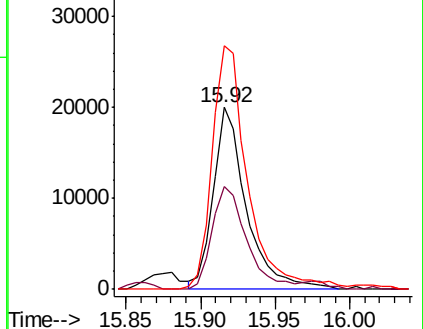
108 133.8 37.6 77.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 18.258 ng

RT: 16.16 min Scan# 2188

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Tgt Ion: 77 Resp: 208307

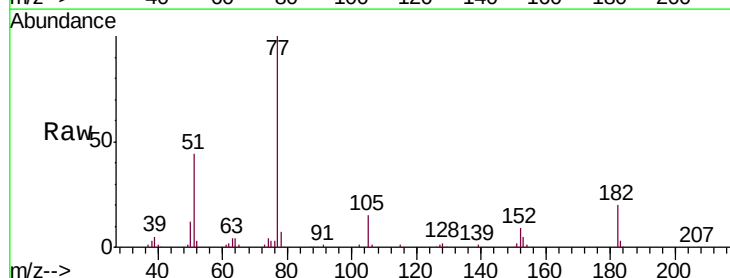
Ion Ratio Lower Upper

77 100

182 19.6 6.5 46.5

105 15.2 3.8 43.8

51 43.9 5.5 45.5

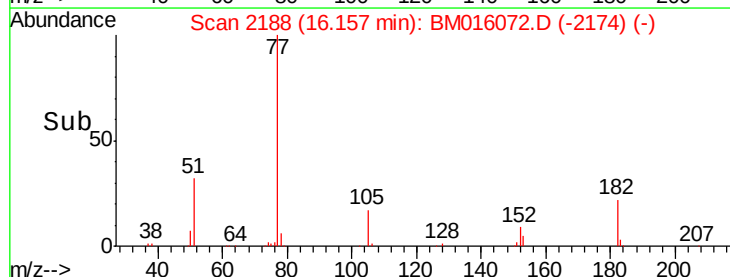
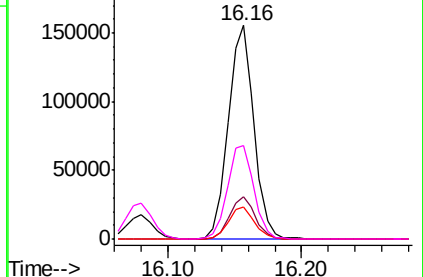


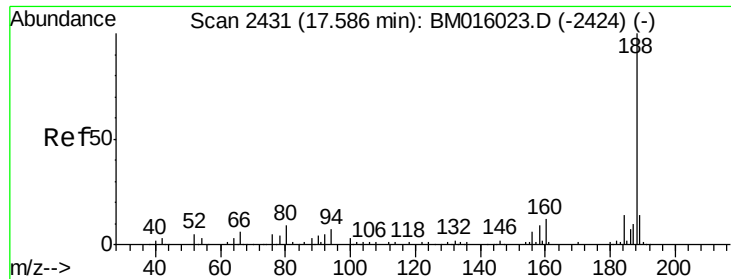
Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM

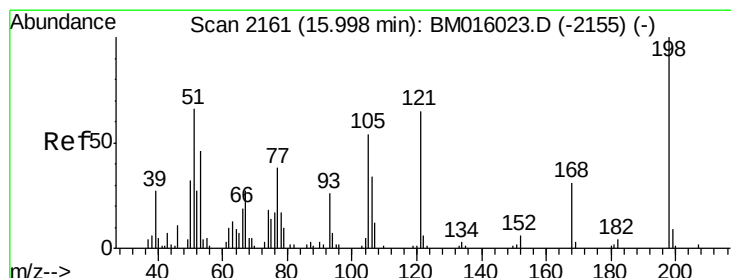
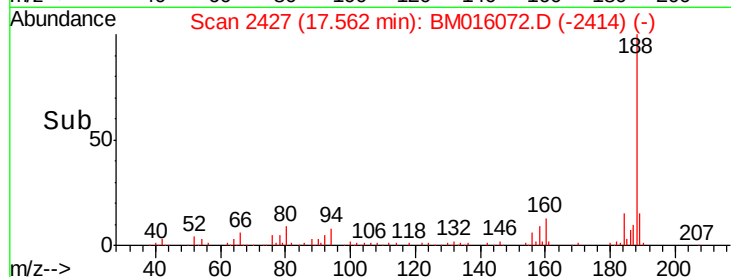
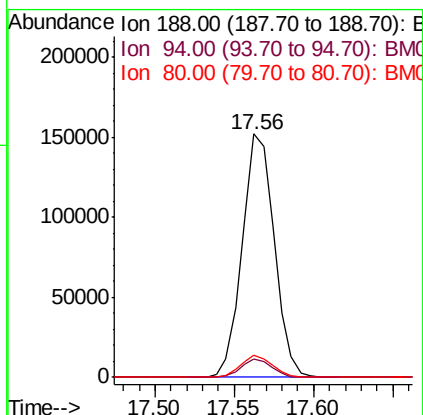
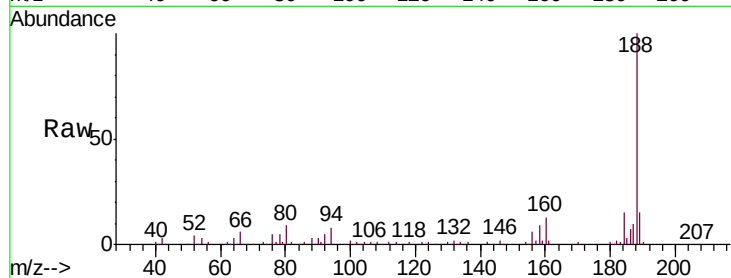




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.56 min Scan# 2427
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

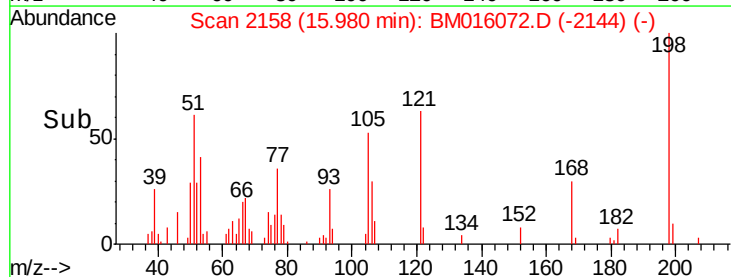
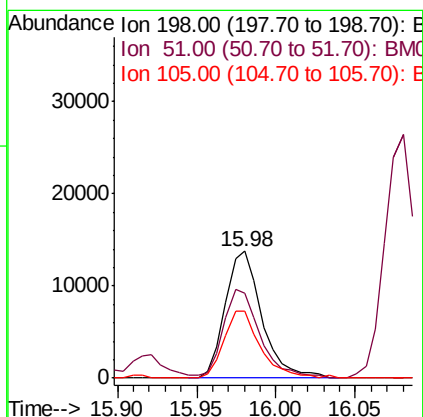
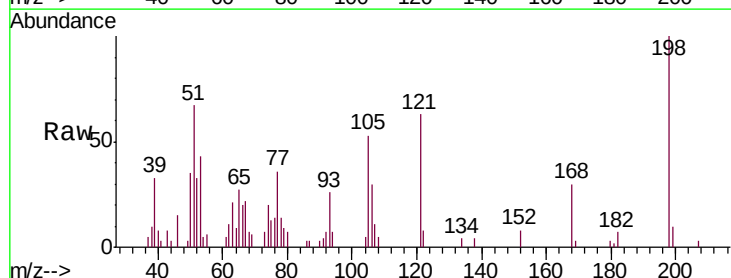
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

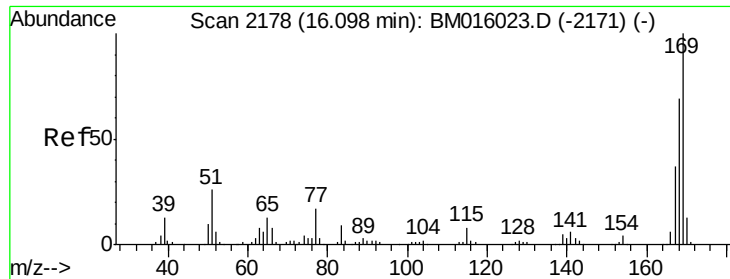
Tgt Ion:188 Resp: 213577
Ion Ratio Lower Upper
188 100
94 7.5 8.7 13.1#
80 9.1 9.3 13.9#



#64
4,6-Dinitro-2-methylphenol
Concen: 17.046 ng
RT: 15.98 min Scan# 2158
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

Tgt Ion:198 Resp: 22098
Ion Ratio Lower Upper
198 100
51 66.7 28.8 68.8
105 52.8 30.5 70.5

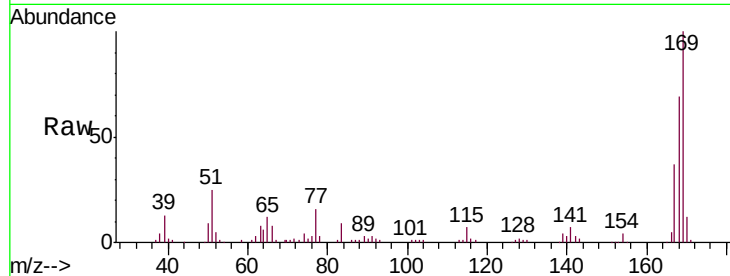




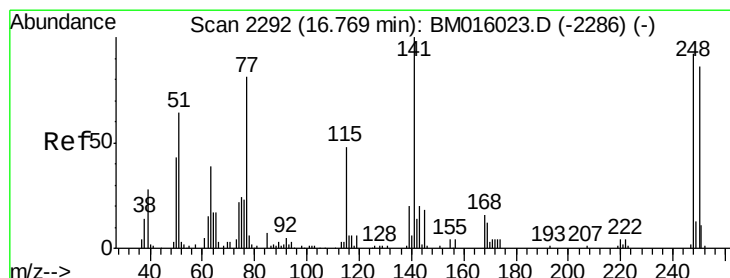
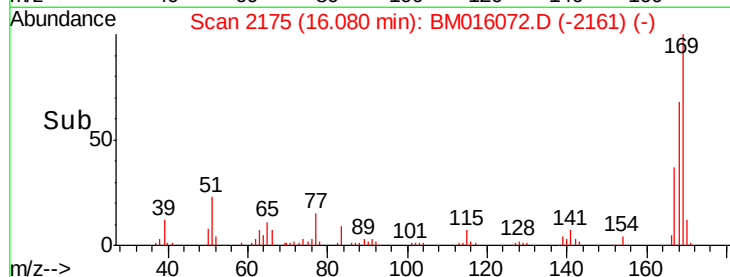
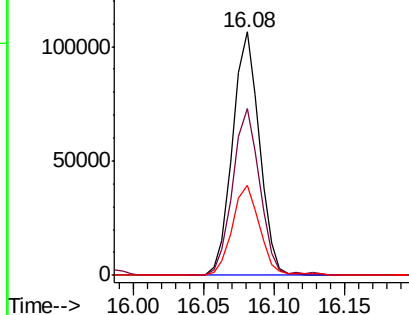
#65
 n-Nitrosodiphenylamine
 Concen: 20.114 ng
 RT: 16.08 min Scan# 2175
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

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

Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.6	53.9	80.9
167	37.2	28.9	43.3

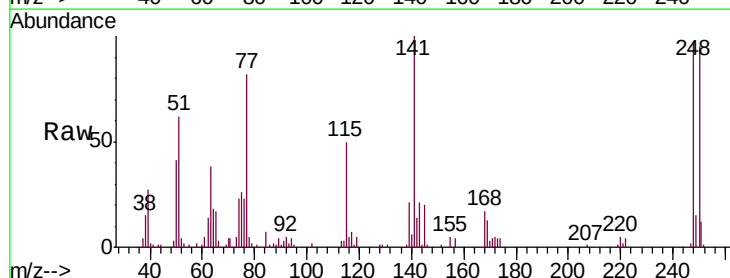


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

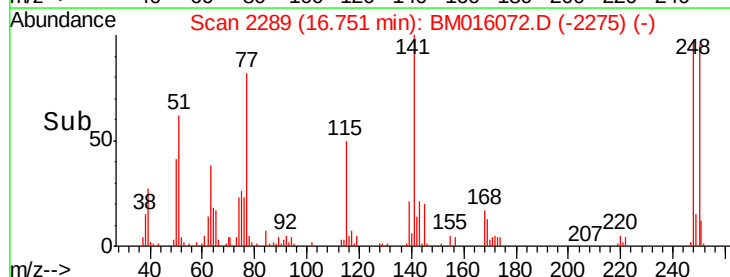
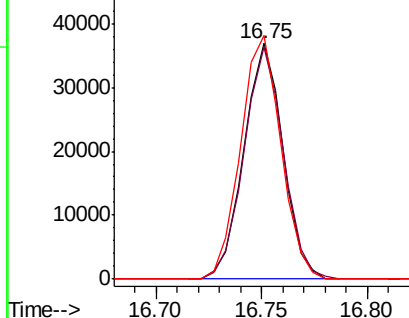


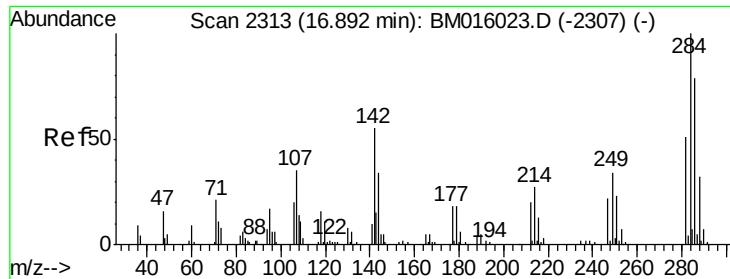
#66
 4-Bromophenyl-phenylether
 Concen: 19.566 ng
 RT: 16.75 min Scan# 2289
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.3	77.4	116.0
141	103.3	45.2	67.8



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





#67

Hexachlorobenzene

Concen: 18.887 ng

RT: 16.87 min Scan# 2309

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

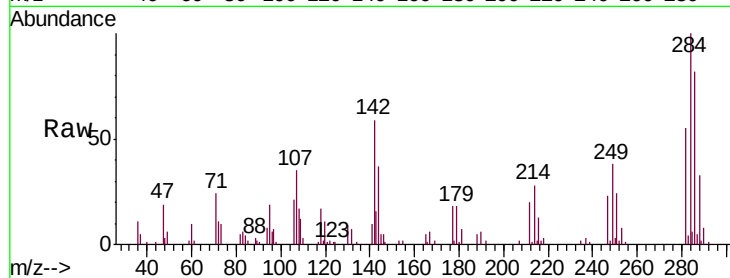
Tgt Ion:284 Resp: 50300

Ion Ratio Lower Upper

284 100

142 59.2 20.4 30.6#

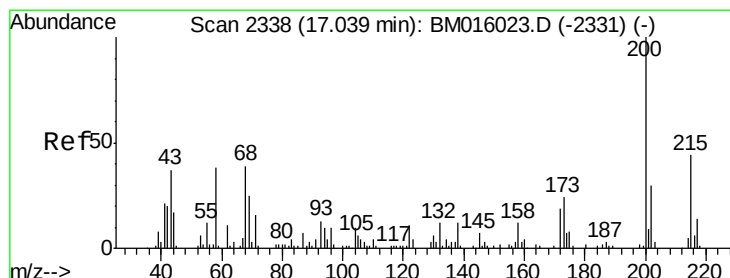
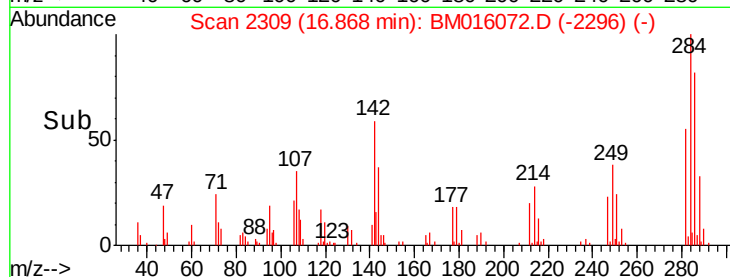
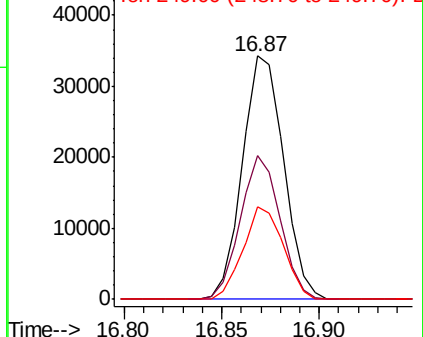
249 37.8 23.8 35.6#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 18.656 ng

RT: 17.02 min Scan# 2334

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

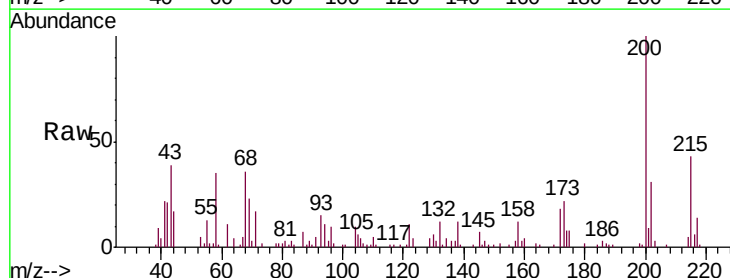
Tgt Ion:200 Resp: 47025

Ion Ratio Lower Upper

200 100

173 22.0 4.8 44.8

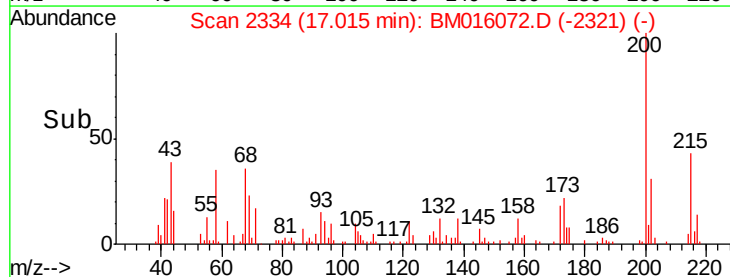
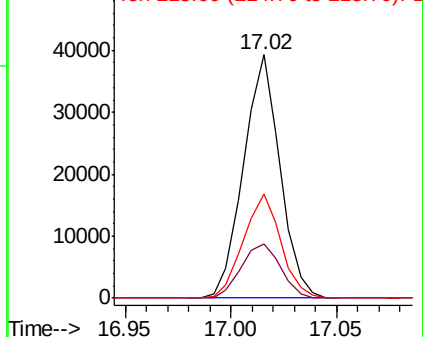
215 42.6 26.9 66.9

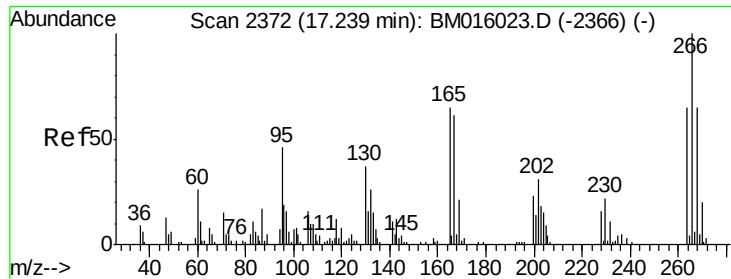


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 13.488 ng

RT: 17.22 min Scan# 2369

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

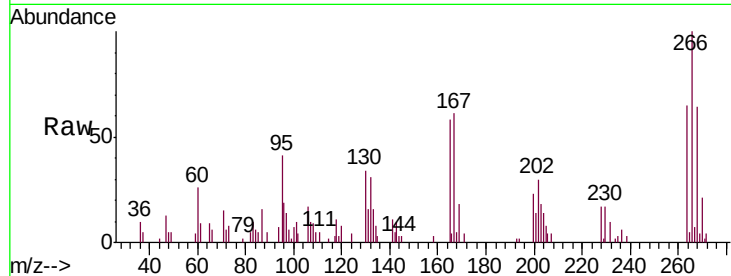
Tgt Ion:266 Resp: 22244

Ion Ratio Lower Upper

266 100

268 64.5 52.0 78.0

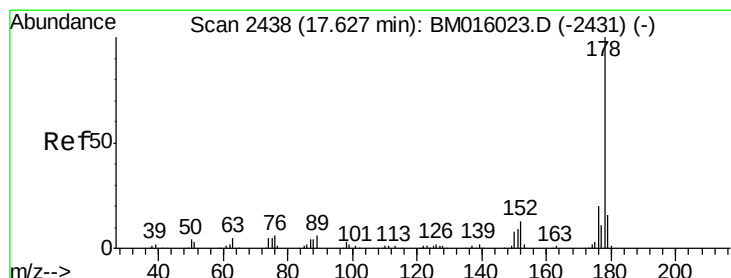
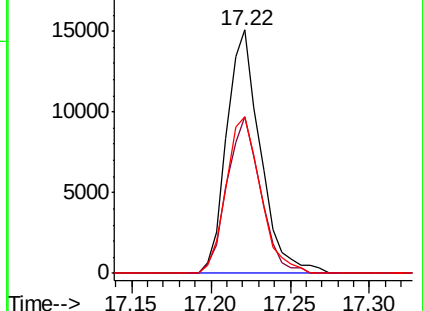
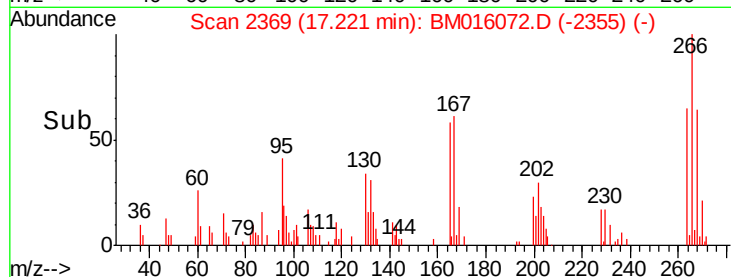
264 64.5 49.0 73.4



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 20.125 ng

RT: 17.61 min Scan# 2435

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

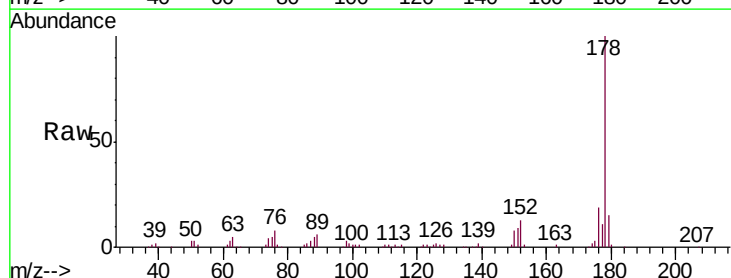
Tgt Ion:178 Resp: 240641

Ion Ratio Lower Upper

178 100

176 19.4 15.2 22.8

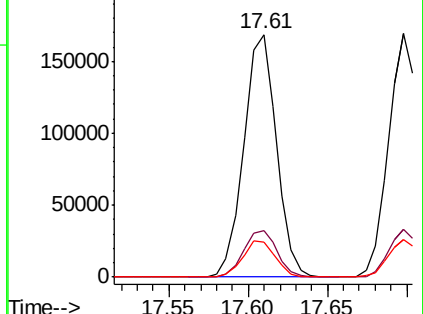
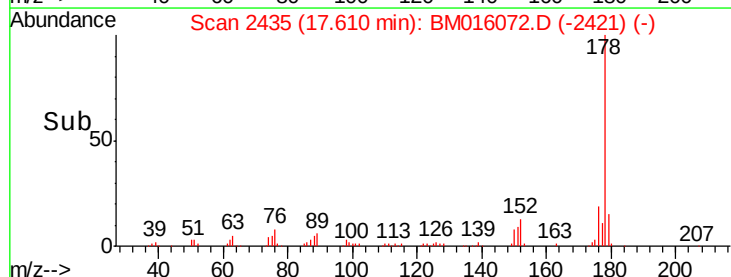
179 14.7 12.1 18.1

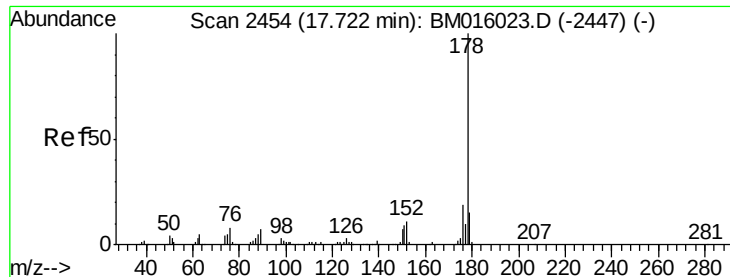


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

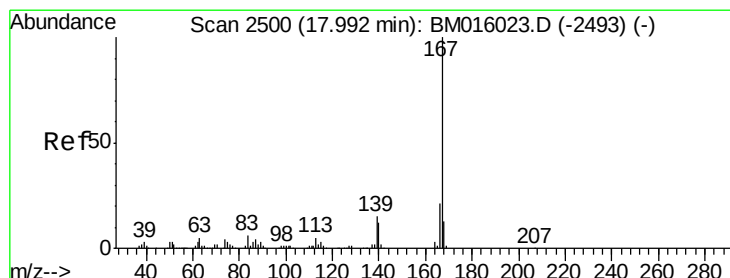
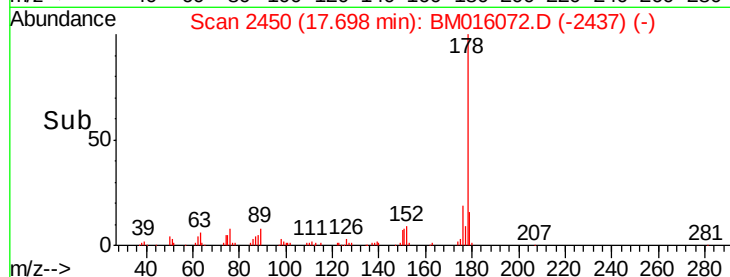
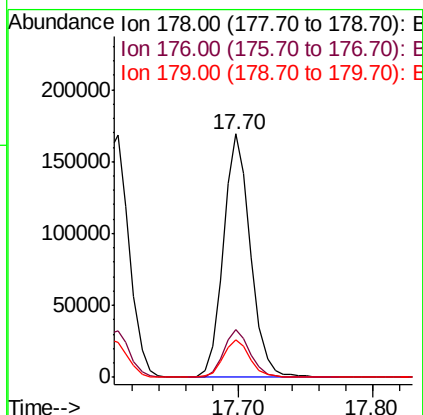
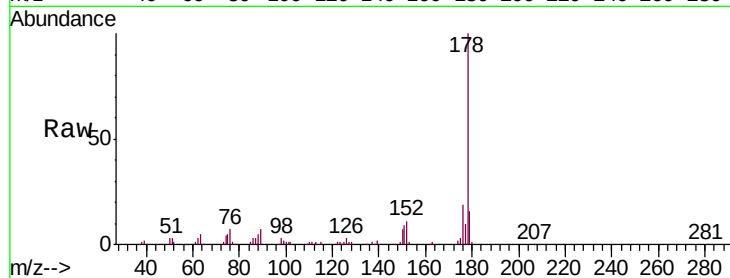




#71
 Anthracene
 Concen: 20.705 ng
 RT: 17.70 min Scan# 2450
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

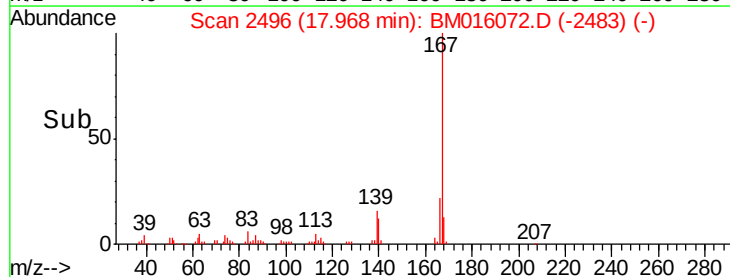
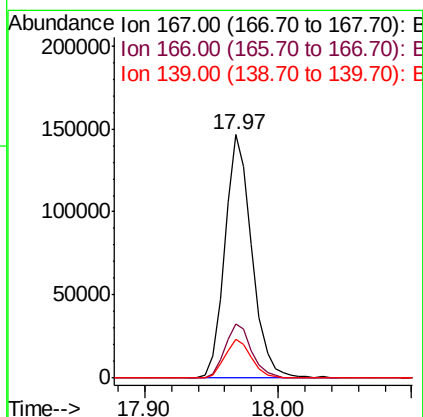
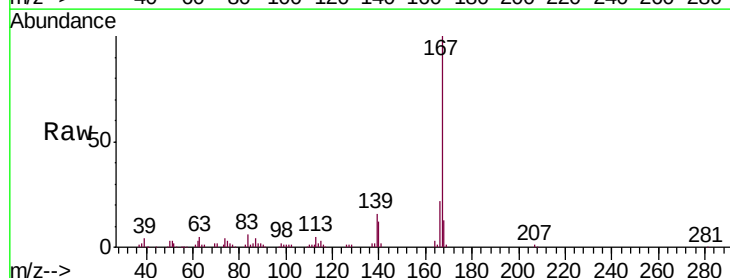
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

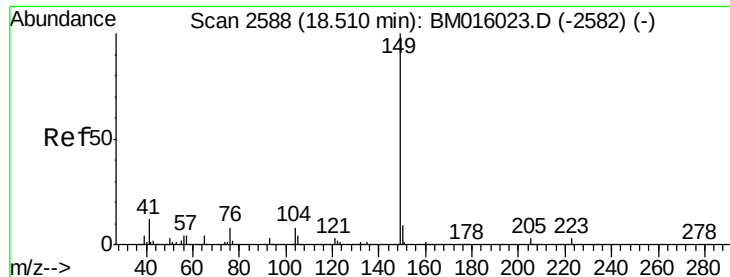
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	14.6	22.0
179	15.6	12.6	19.0



#72
 Carbazole
 Concen: 17.293 ng
 RT: 17.97 min Scan# 2496
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

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





#73

Di-n-butylphthalate

Concen: 18.425 ng

RT: 18.49 min Scan# 2585

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

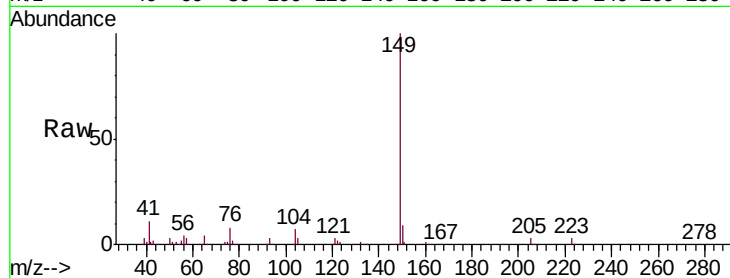
Tgt Ion:149 Resp: 276416

Ion Ratio Lower Upper

149 100

150 8.6 7.5 11.3

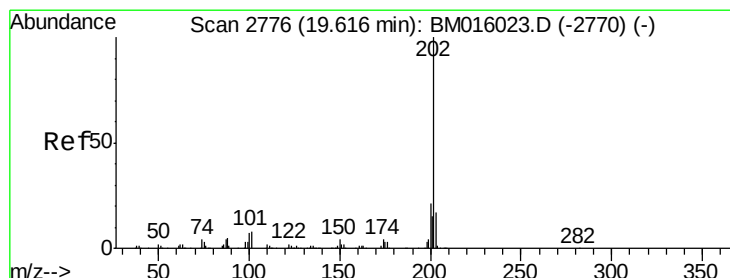
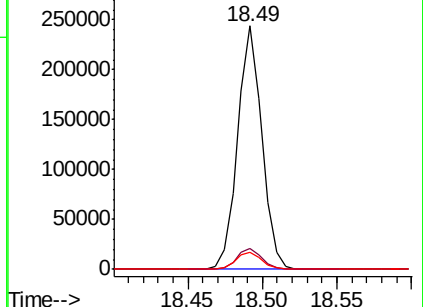
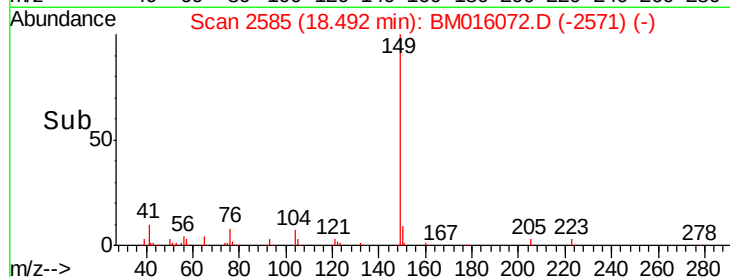
104 7.0 3.7 5.5#



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: 18.503 ng

RT: 19.60 min Scan# 2773

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

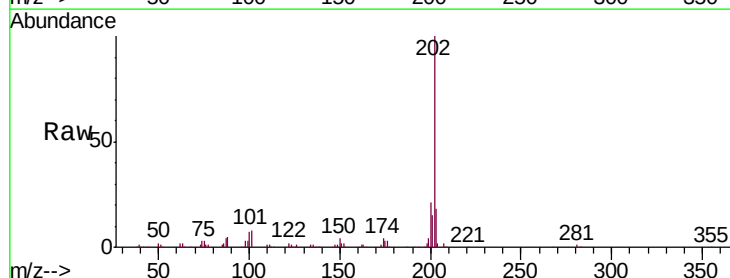
Tgt Ion:202 Resp: 246797

Ion Ratio Lower Upper

202 100

101 7.9 0.0 28.7

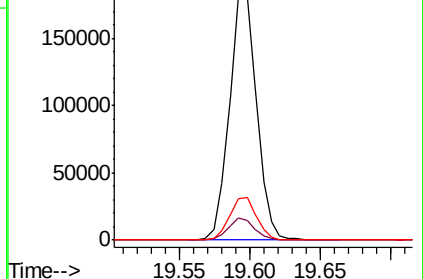
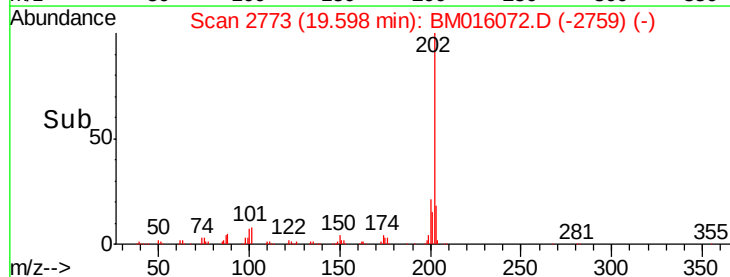
203 17.8 0.0 37.2

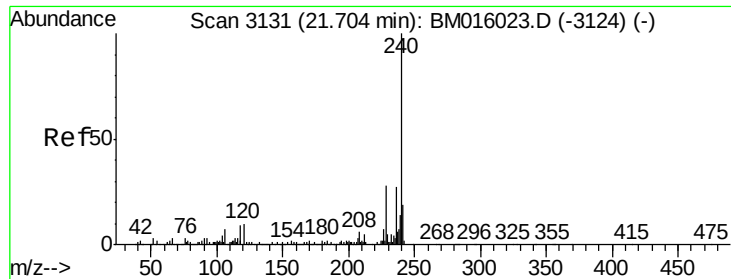


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.69 min Scan# 3128

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

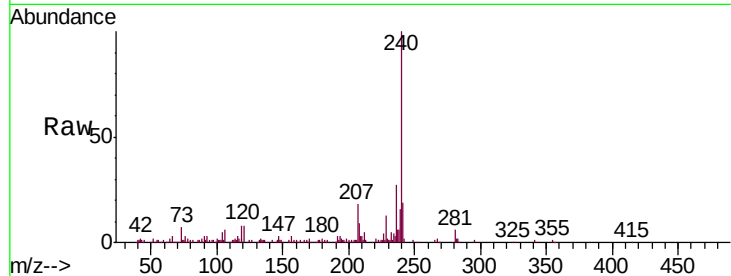
Tgt Ion:240 Resp: 185010

Ion Ratio Lower Upper

240 100

120 8.4 8.2 12.2

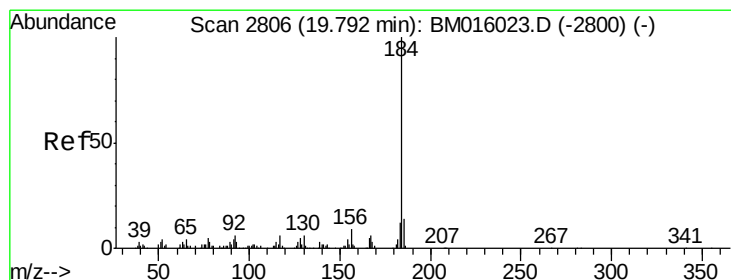
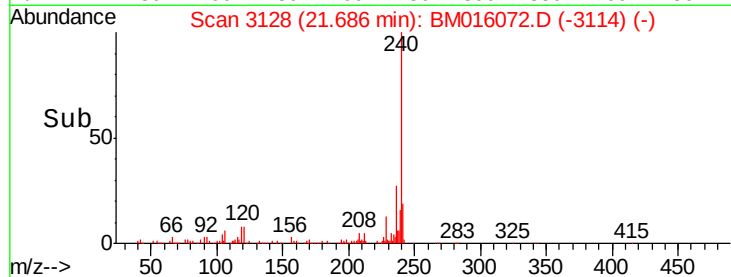
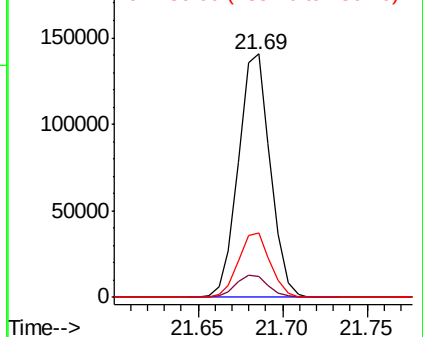
236 26.7 20.0 30.0



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: 16.162 ng

RT: 19.77 min Scan# 2803

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

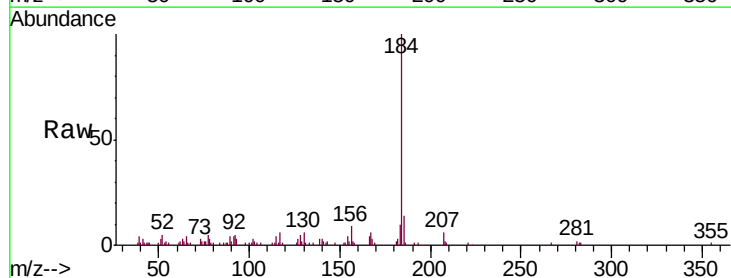
Tgt Ion:184 Resp: 83558

Ion Ratio Lower Upper

184 100

185 14.0 11.3 16.9

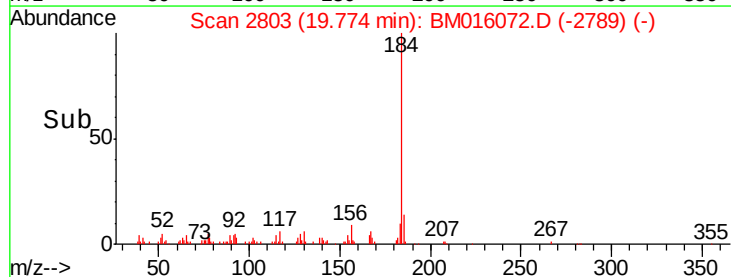
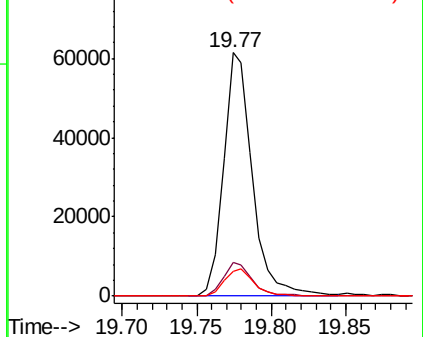
183 10.3 8.9 13.3

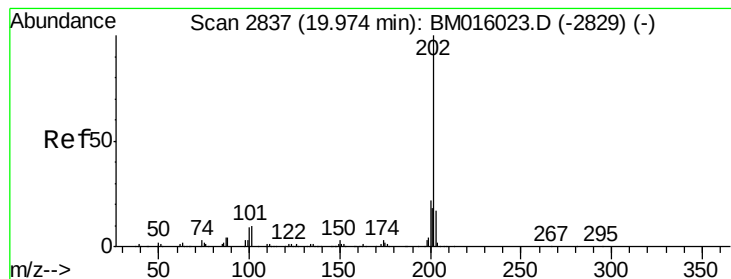


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 22.520 ng

RT: 19.96 min Scan# 2834

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

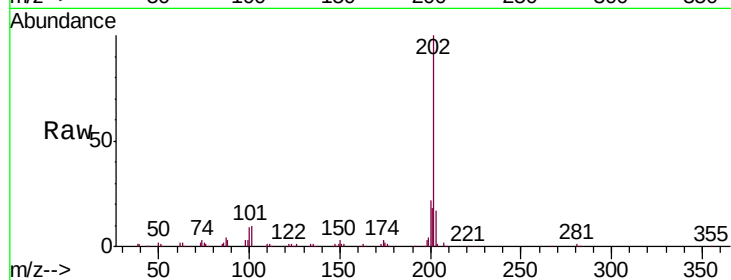
Tgt Ion:202 Resp: 249680

Ion Ratio Lower Upper

202 100

200 21.8 16.9 25.3

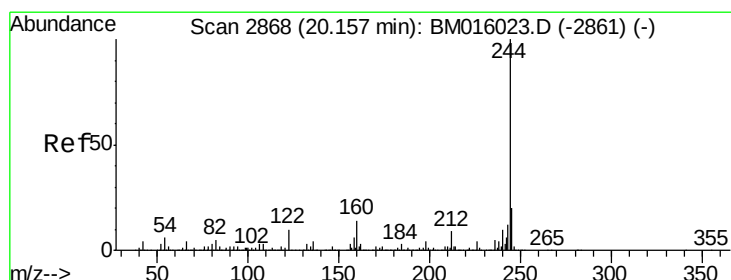
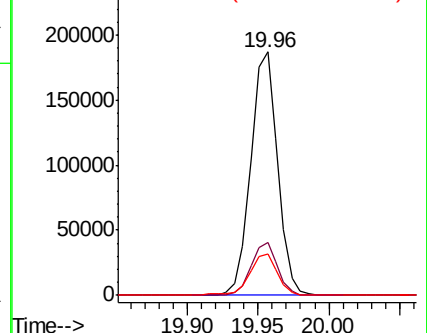
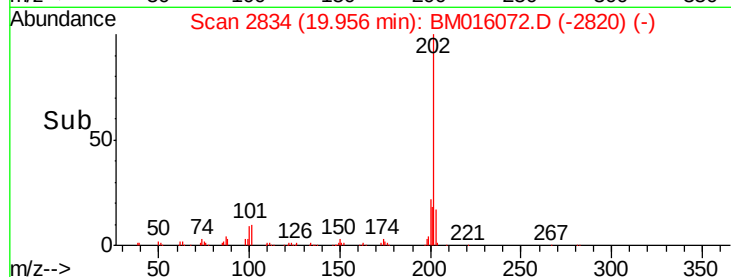
203 16.8 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 22.520 ng

RT: 20.14 min Scan# 2865

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

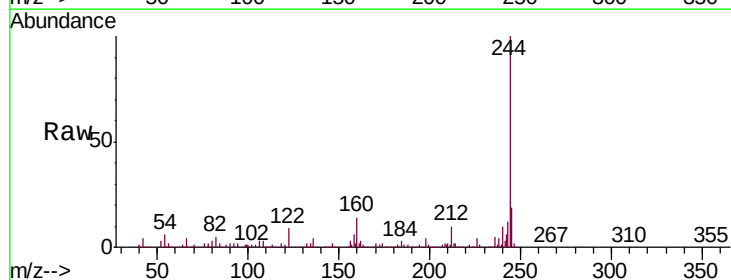
Tgt Ion:244 Resp: 898144

Ion Ratio Lower Upper

244 100

212 9.7 4.9 7.3#

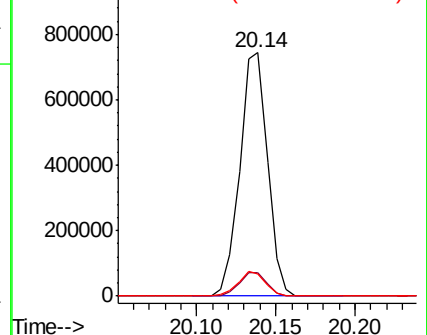
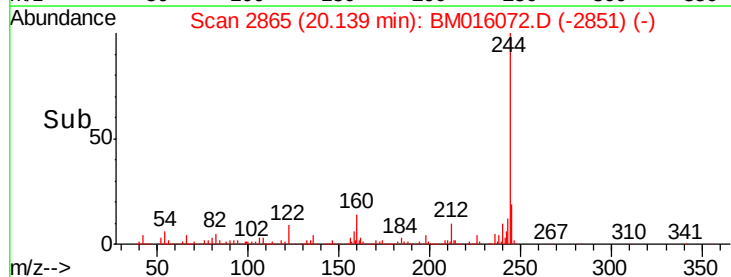
122 9.3 6.2 9.4

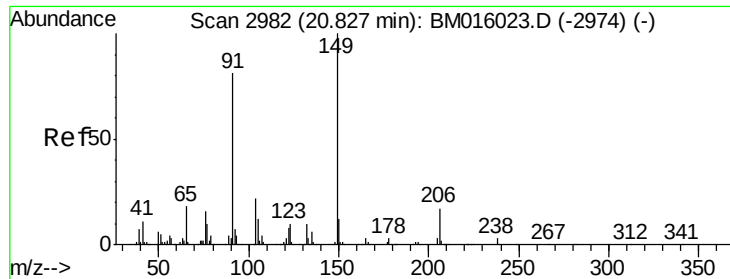


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

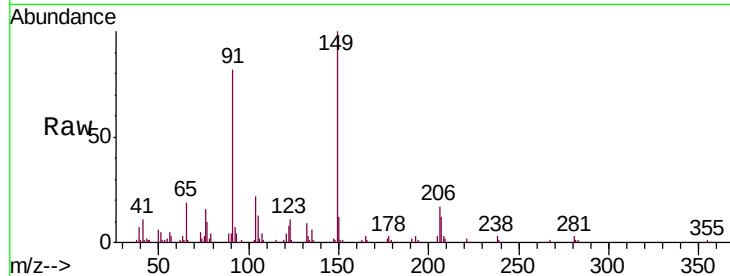




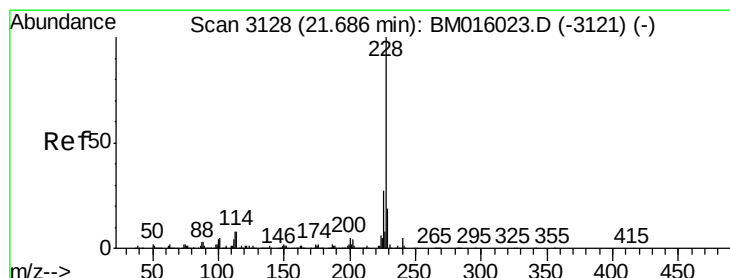
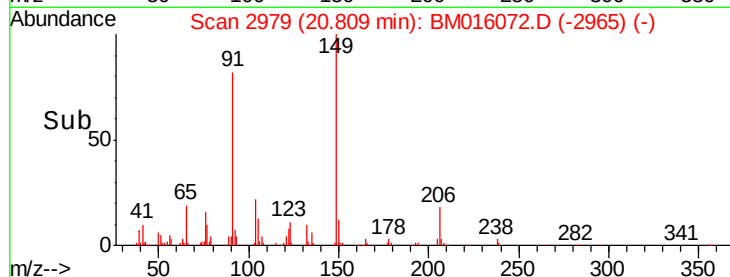
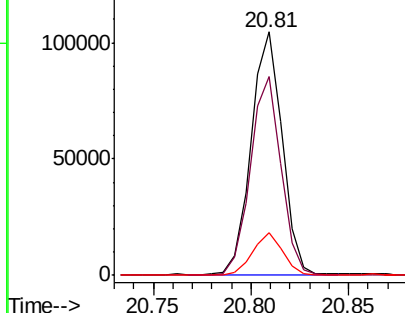
#79
Butylbenzylphthalate
Concen: 20.605 ng
RT: 20.81 min Scan# 2979
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

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

Tgt Ion:149 Resp: 116052
Ion Ratio Lower Upper
149 100
91 81.6 50.1 75.1#
206 17.5 16.2 24.2

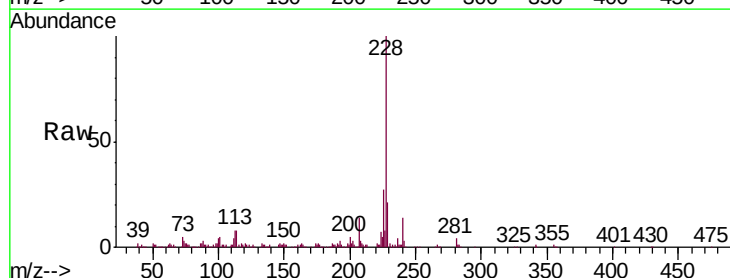


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BM016072.D (-2965) (-)
Ion 206.00 (205.70 to 206.70): E

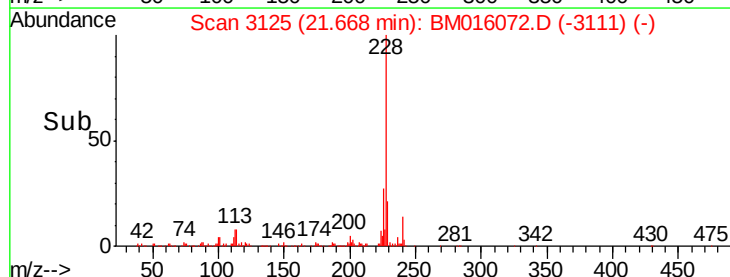
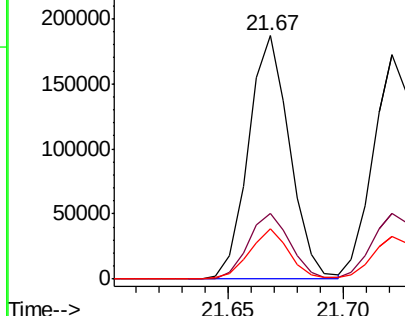


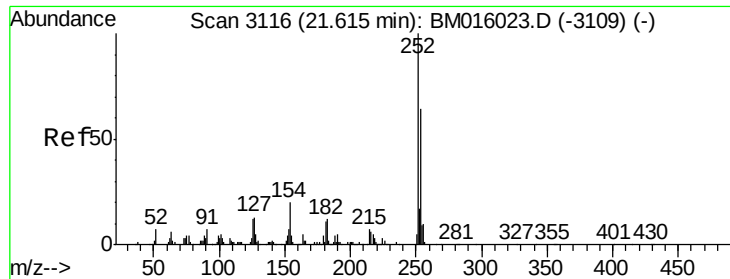
#80
Benzo(a)anthracene
Concen: 20.418 ng
RT: 21.67 min Scan# 3125
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

Tgt Ion:228 Resp: 232660
Ion Ratio Lower Upper
228 100
226 27.2 21.7 32.5
229 20.5 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

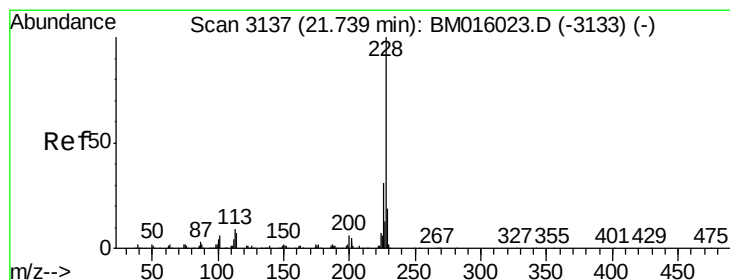
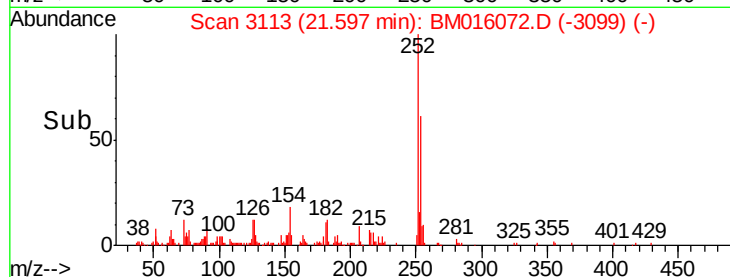
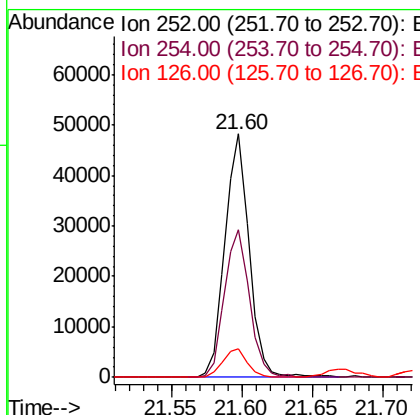
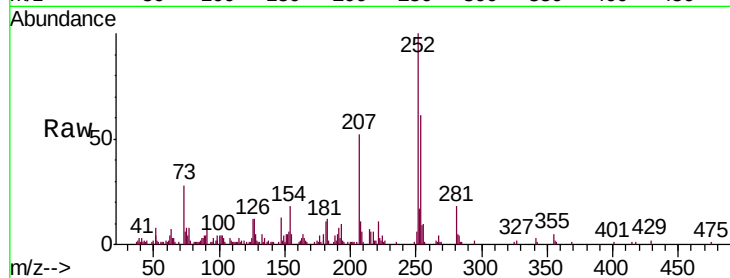




#81
 3,3'-Dichlorobenzidine
 Concen: 12.613 ng
 RT: 21.60 min Scan# 3113
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

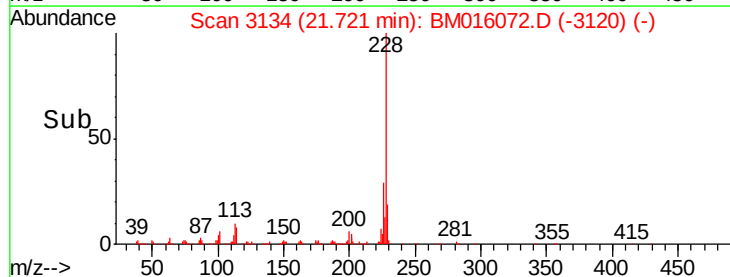
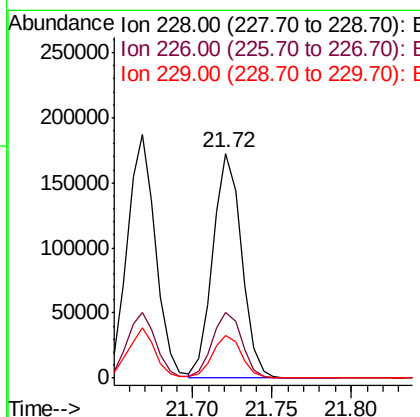
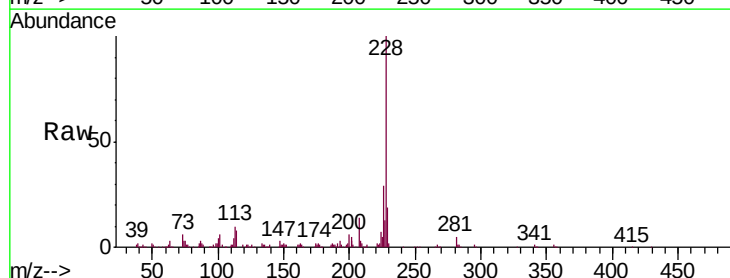
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

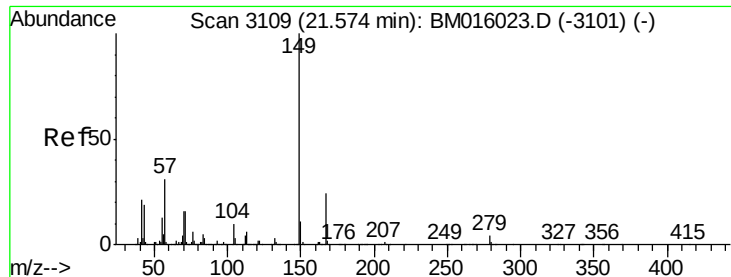
Tgt Ion	Ratio	Lower	Upper
252	100		
254	60.6	51.9	77.9
126	11.7	9.8	14.8



#82
 Chrysene
 Concen: 19.993 ng
 RT: 21.72 min Scan# 3134
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.1	36.1
229	19.1	15.5	23.3





#83

Bis(2-ethylhexyl)phthalate

Concen: 23.296 ng

RT: 21.56 min Scan# 3106

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

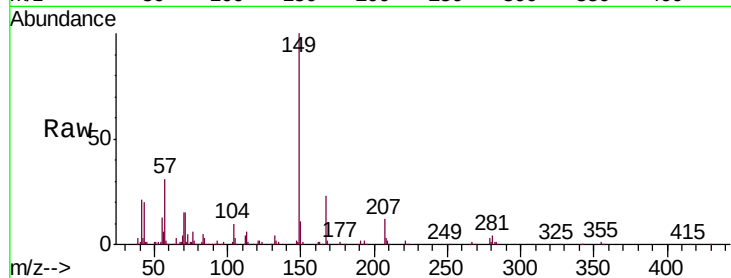
Tgt Ion:149 Resp: 190157

Ion Ratio Lower Upper

149 100

167 23.4 22.4 33.6

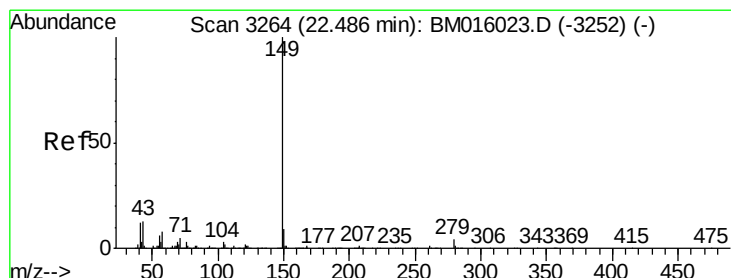
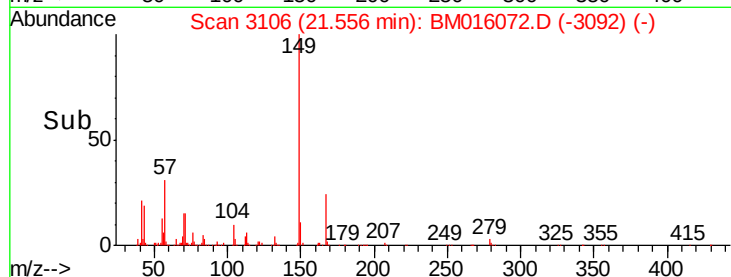
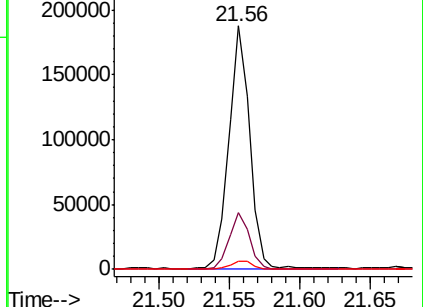
279 3.2 3.4 5.0#



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: 18.766 ng

RT: 22.46 min Scan# 3260

Delta R.T. -0.02 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

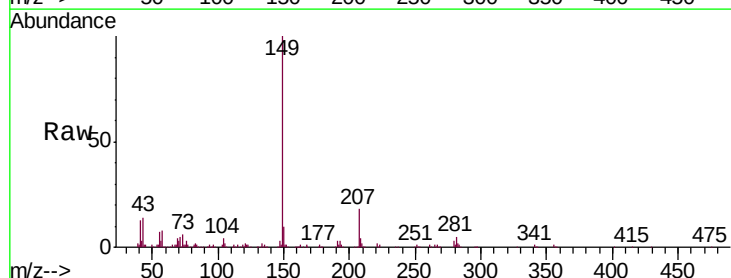
Tgt Ion:149 Resp: 257449

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

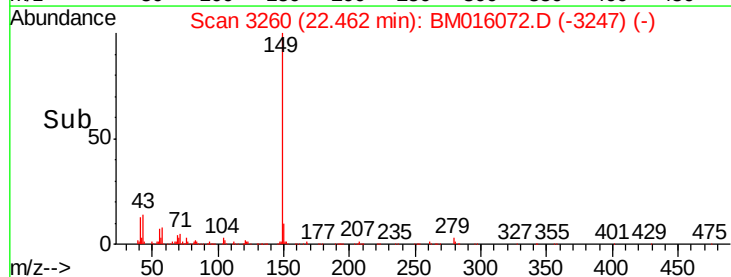
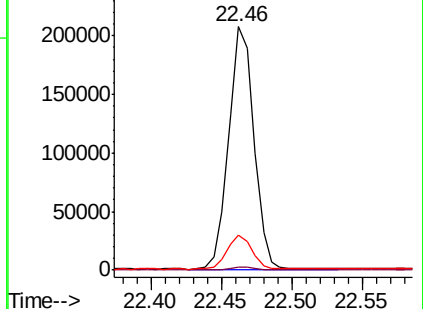
43 13.7 7.3 10.9#

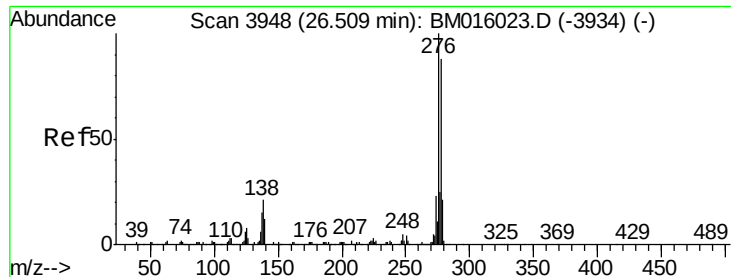


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM

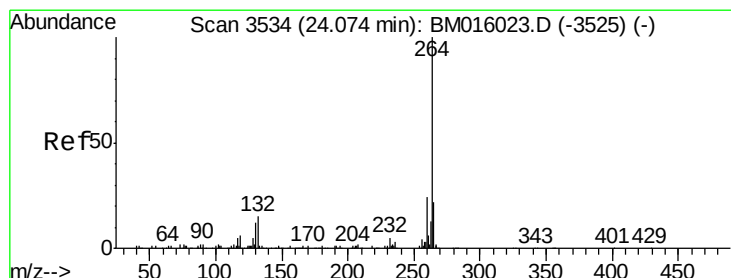
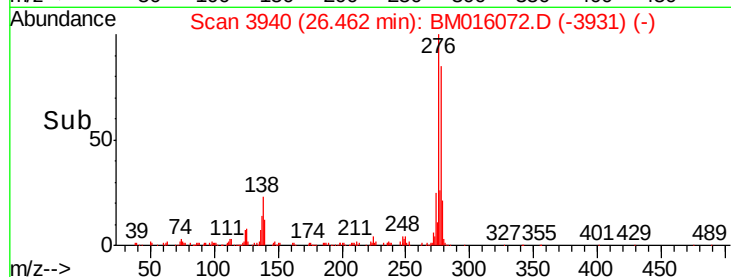
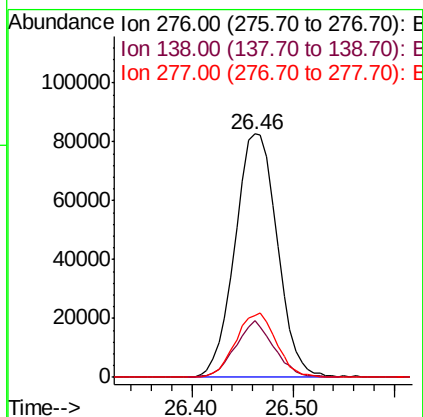
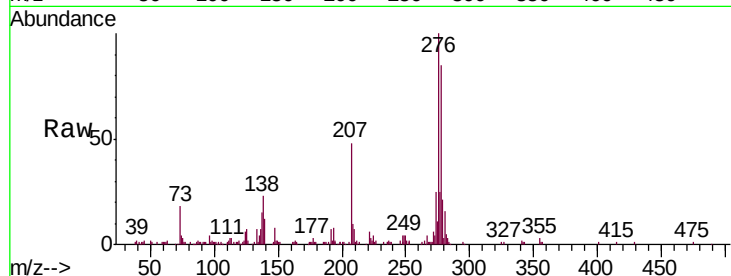




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 18.525 ng
 RT: 26.46 min Scan# 3940
 Delta R.T. -0.05 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

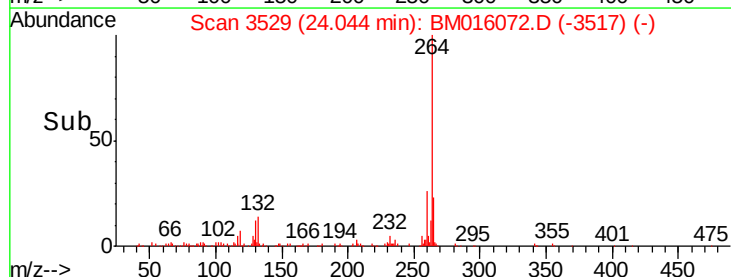
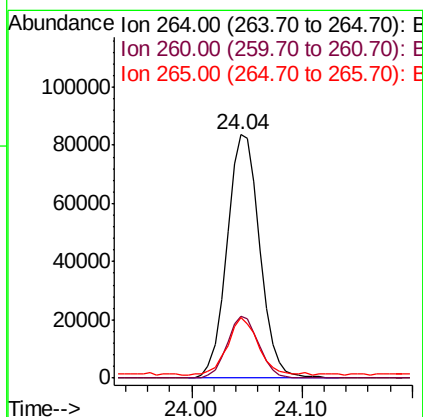
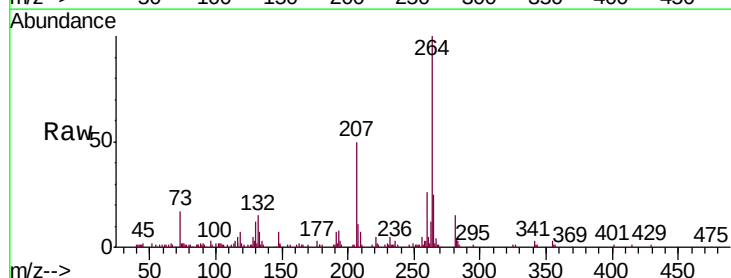
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

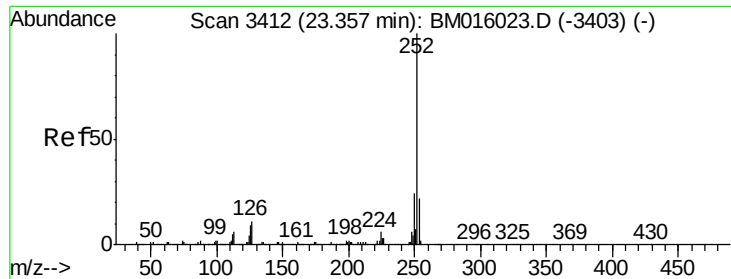
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.2	12.0	18.0#
277	25.2	20.0	30.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.04 min Scan# 3529
 Delta R.T. -0.03 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	18.6	27.8
265	24.8	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 21.186 ng

RT: 23.33 min Scan# 3407

Delta R.T. -0.03 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

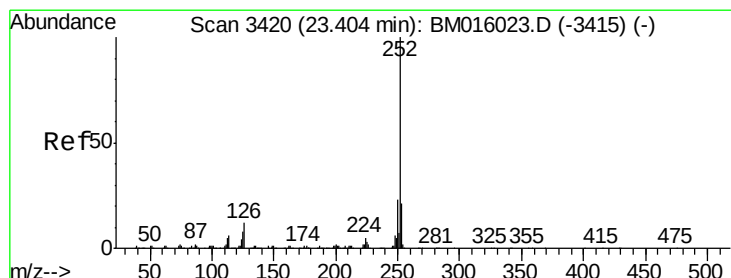
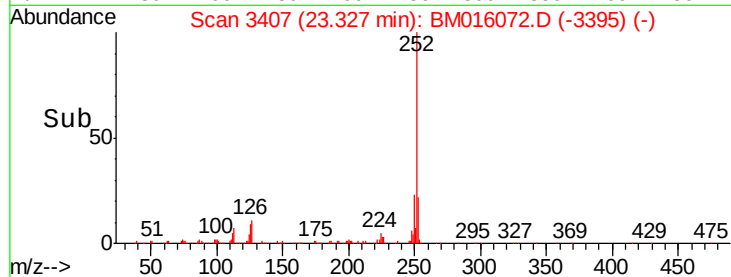
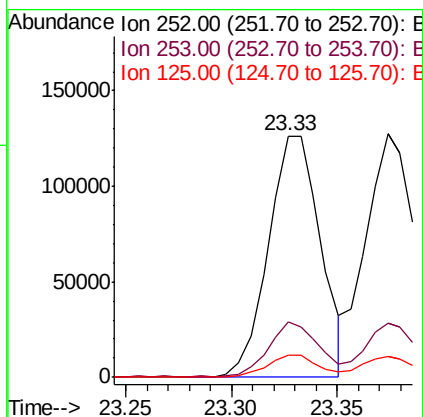
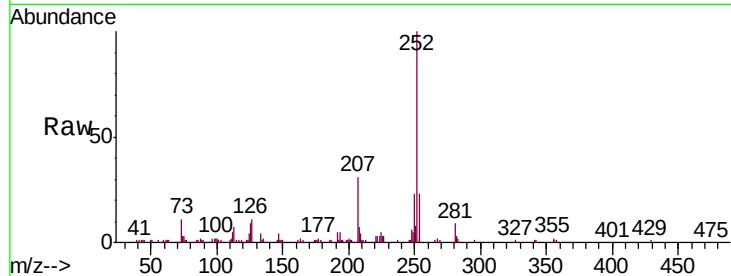
Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

Tgt Ion:	252	Resp:	217217
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.0	27.0
125	9.2	9.9	14.9#



#88

Benzo(k)fluoranthene

Concen: 20.394 ng

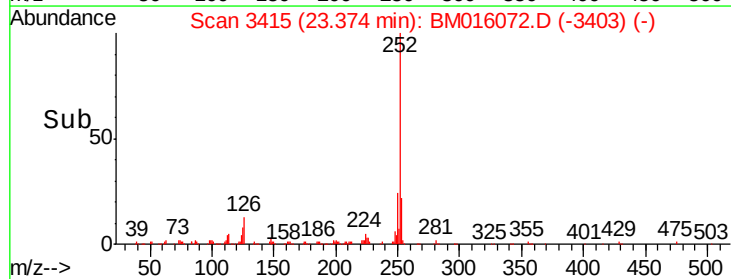
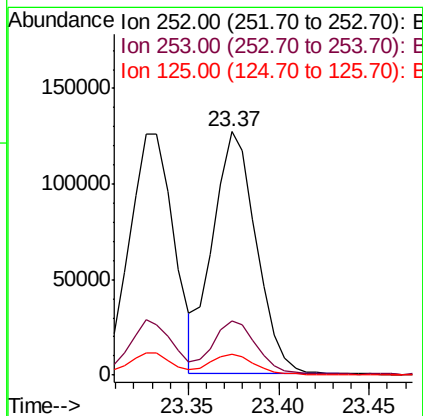
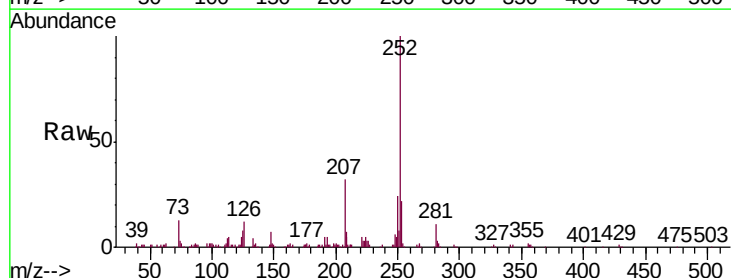
RT: 23.37 min Scan# 3415

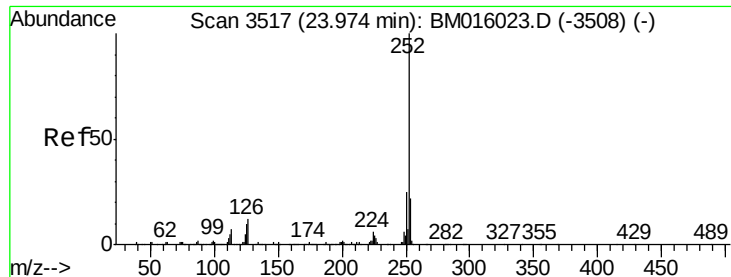
Delta R.T. -0.03 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

Tgt Ion:	252	Resp:	211916
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.2	25.8
125	8.4	8.1	12.1





#89

Benzo(a)pyrene

Concen: 20.914 ng

RT: 23.94 min Scan# 3512

Delta R.T. -0.03 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

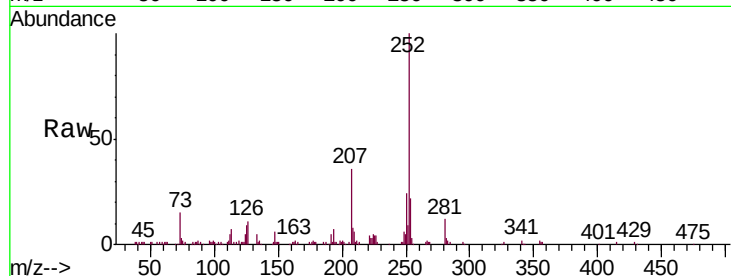
Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018

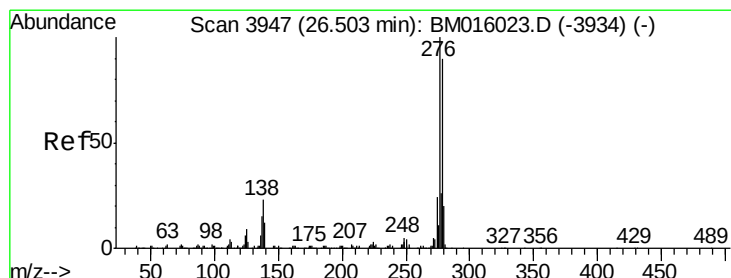
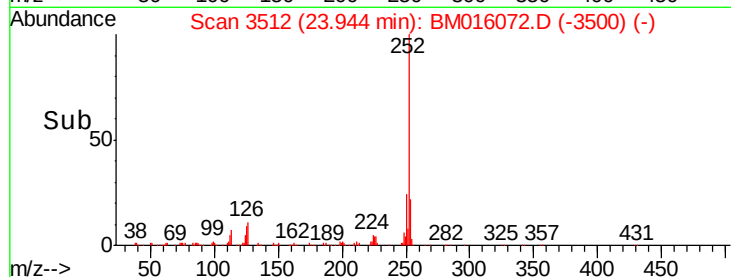
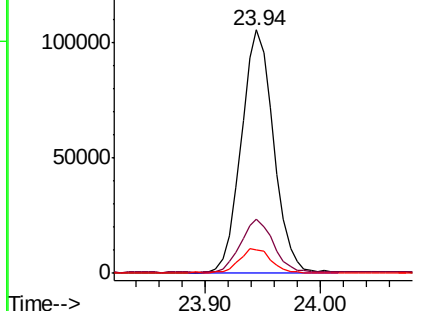
Tgt Ion:	252	Resp:	206140
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.6	26.4
125	9.4	7.4	11.2



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: 19.687 ng

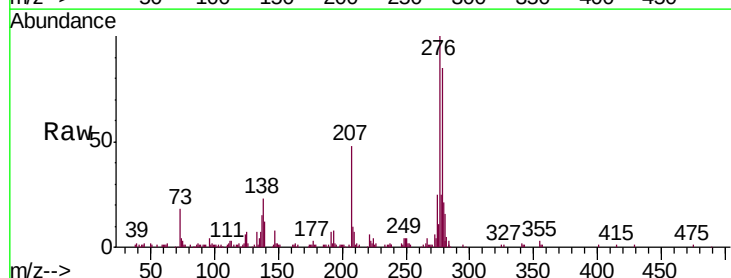
RT: 26.46 min Scan# 3940

Delta R.T. -0.04 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

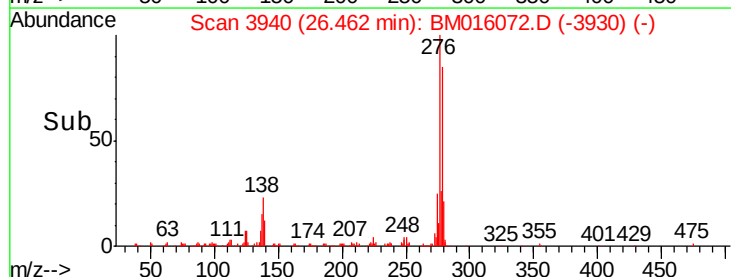
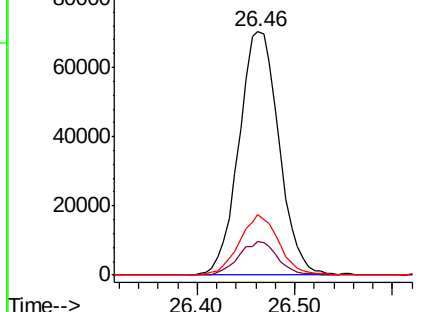
Tgt Ion:	278	Resp:	201046
Ion Ratio	Lower	Upper	
278	100		
139	13.8	13.4	20.0
279	24.9	19.0	28.4

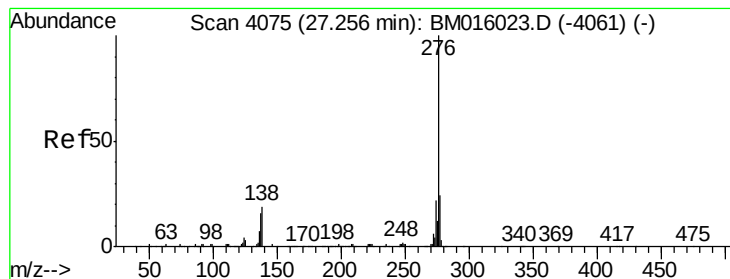


Abundance Ion 278.00 (277.70 to 278.70): E

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: 20.330 ng

RT: 27.20 min Scan# 4066

Delta R.T. -0.05 min

Lab File: BM016072.D

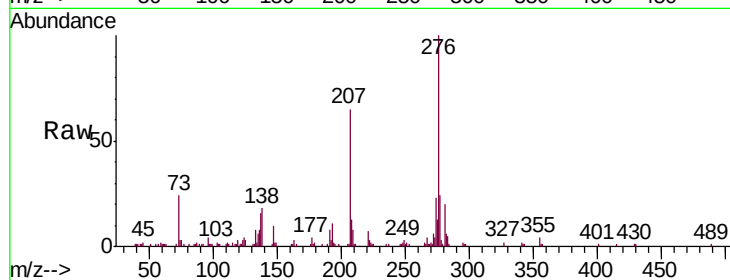
Acq: 25 Jul 2018 13:38

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2018



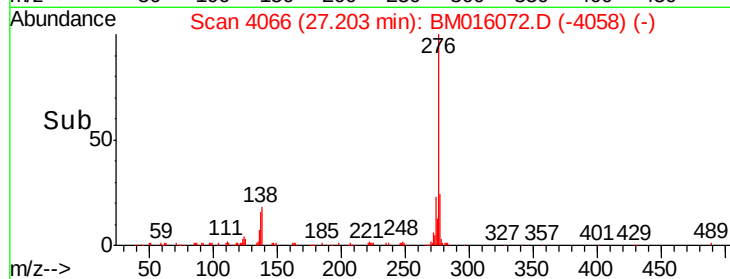
Tgt Ion: 276 Resp: 196360

Ion Ratio Lower Upper

276 100

277 23.9 18.5 27.7

138 18.5 19.0 28.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

