

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 : L00 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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	R.T.	QIon	Response	Conc	Units	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

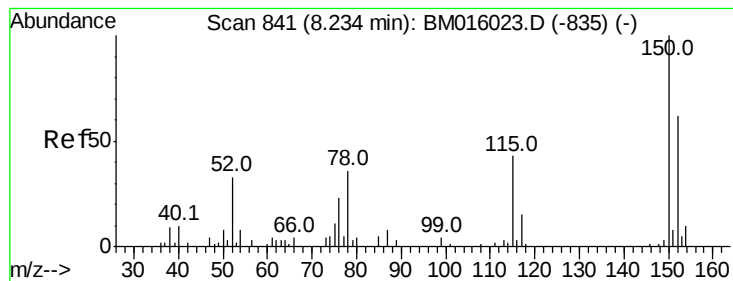
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072518\
 Data File : BM016072.D
 Acq On : 25 Jul 2018 13:38
 Operator : SJ/JU
 Sample : J3762-02
 Misc : L00 20 PPM
 ALS Vial : 3 Sample Multiplier: 1

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

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

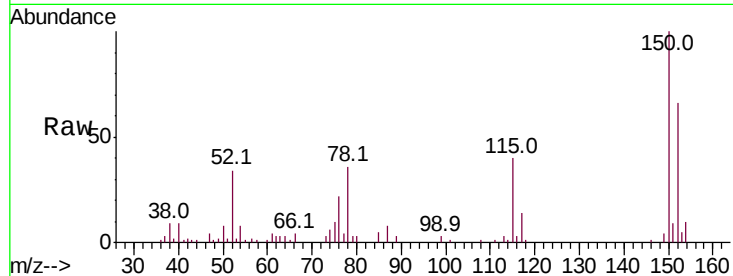


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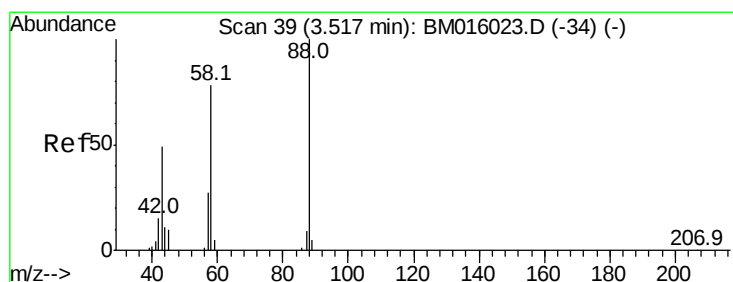
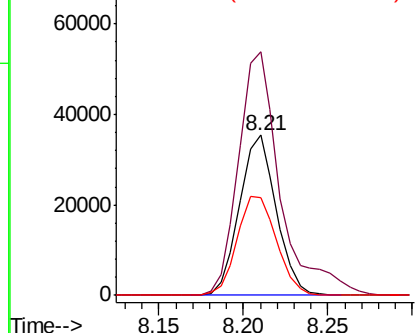
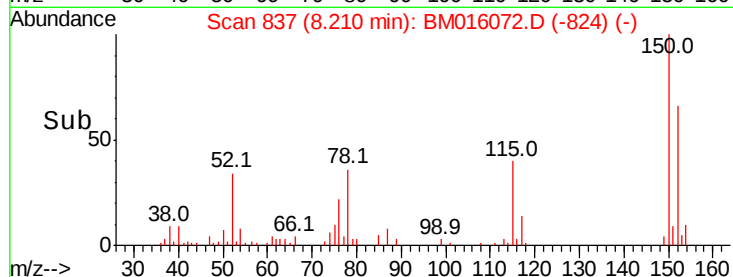
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.21 min Scan# 837
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

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

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



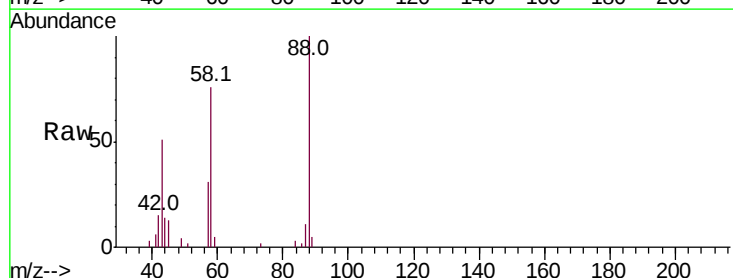
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



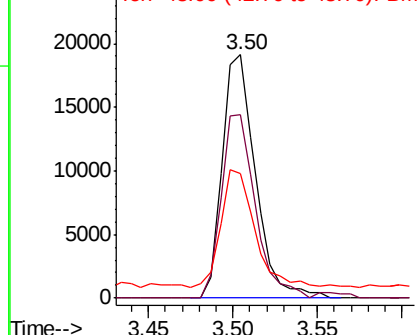
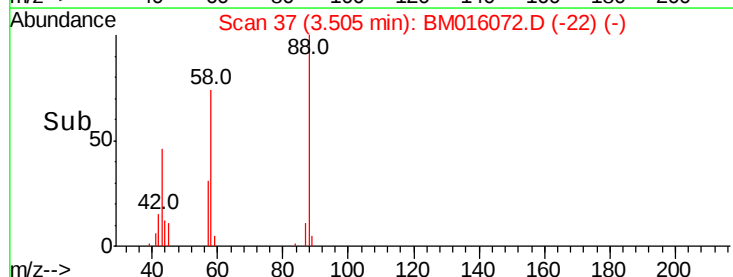
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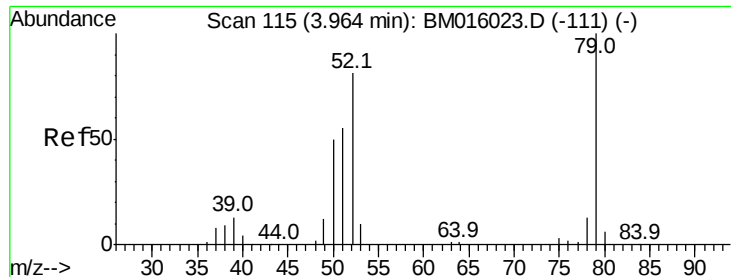
1,4-Dioxane
Concen: 17.285 ng
RT: 3.50 min Scan# 37
Delta R.T. -0.01 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

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

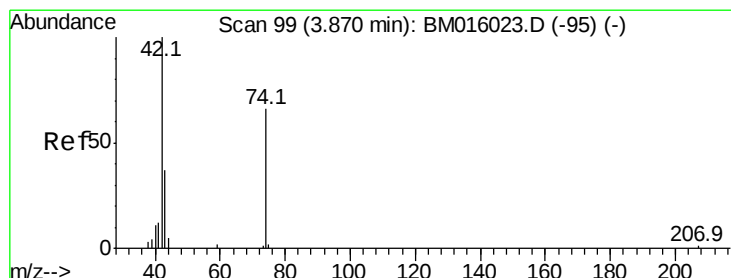
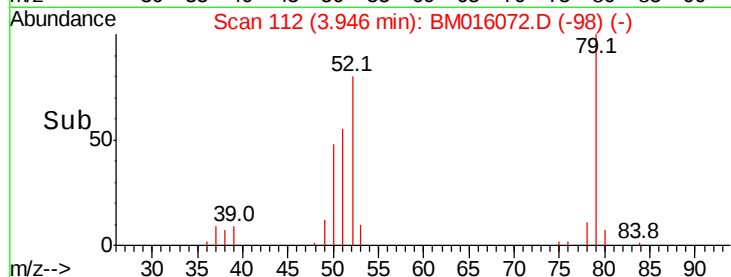
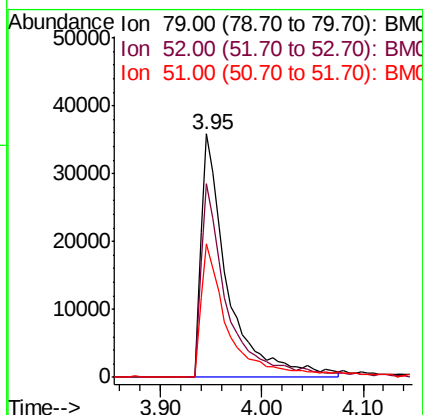
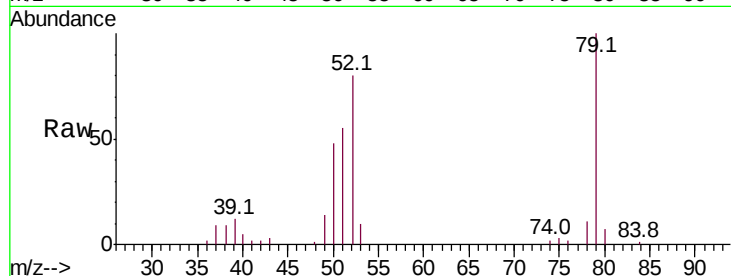




#3
 Pvridine
 Concen: 17.805 ng
 RT: 3.95 min Scan# 112
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

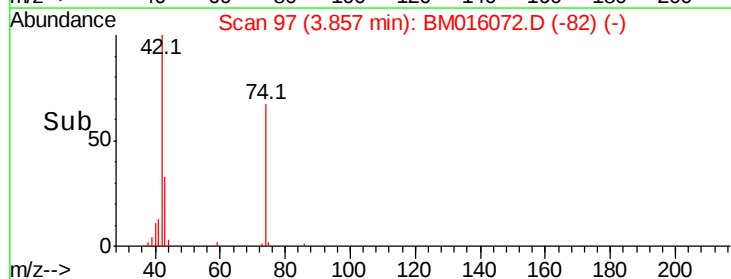
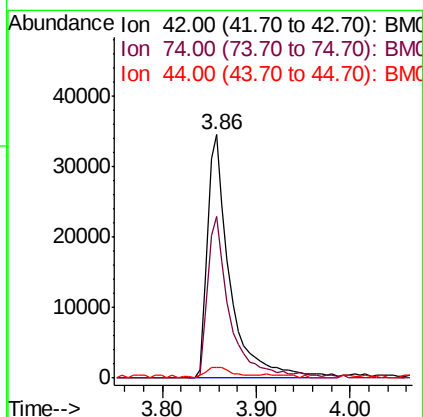
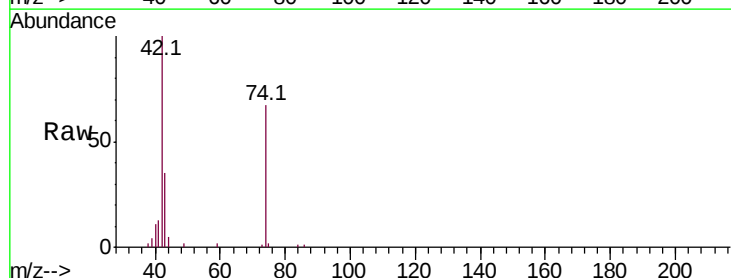
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

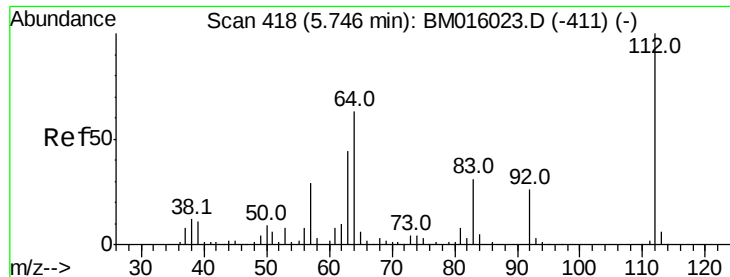
Tot Ion: 79 Resp: 65028
 Ion Ratio Lower Upper
 79 100
 52 79.7 51.1 76.7#
 51 55.0 26.1 39.1#



#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#





#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

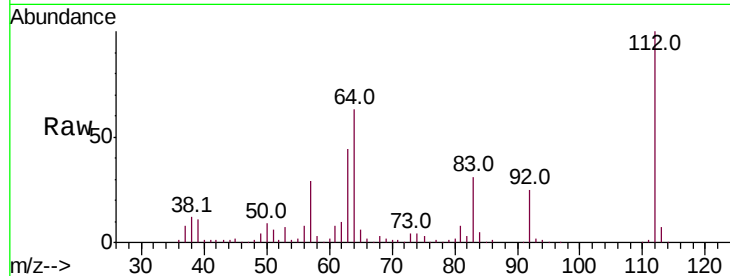
Tot Ion:112 Resp: 438377

Ion Ratio Lower Upper

112 100

64 62.7 38.6 57.8#

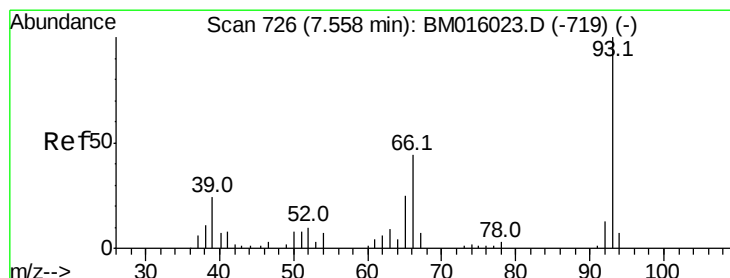
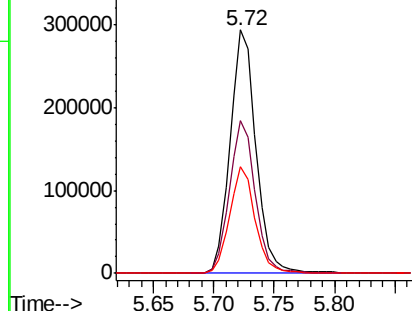
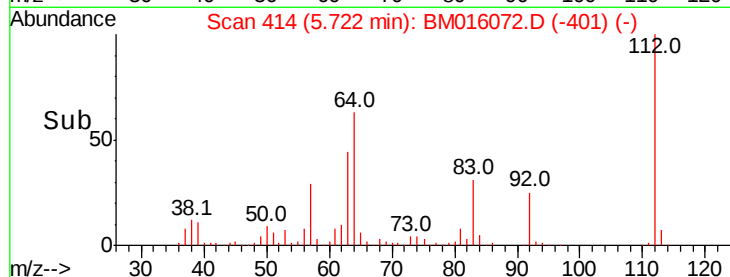
63 43.8 19.3 28.9#



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

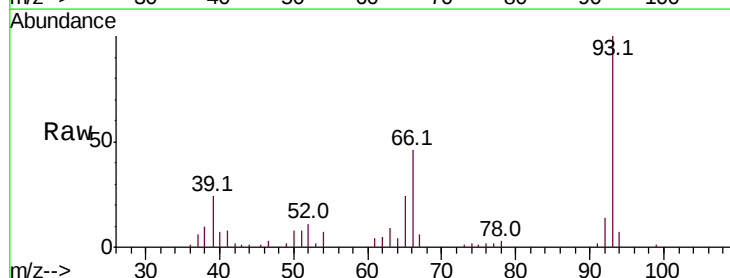
Tgt Ion: 93 Resp: 78750

Ion Ratio Lower Upper

93 100

66 45.6 30.8 46.2

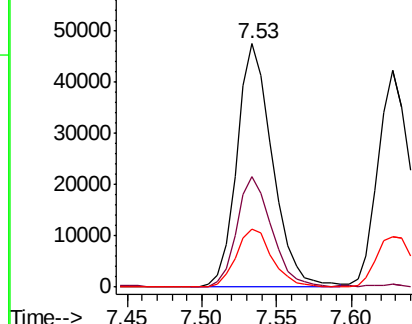
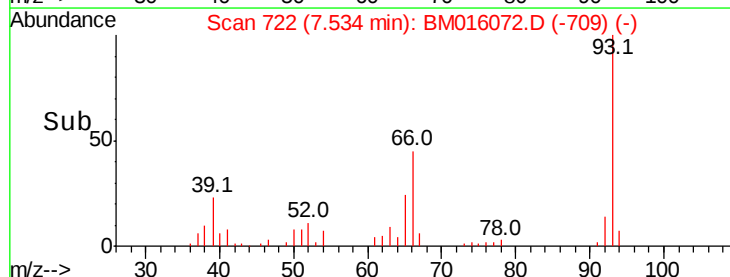
65 24.0 16.0 24.0#

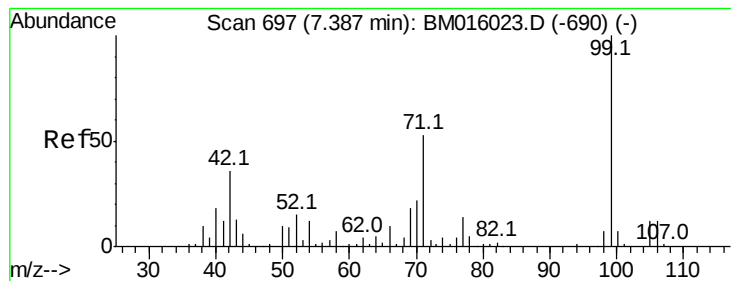


Abundance Ion 93.00 (92.70 to 93.70): BM

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

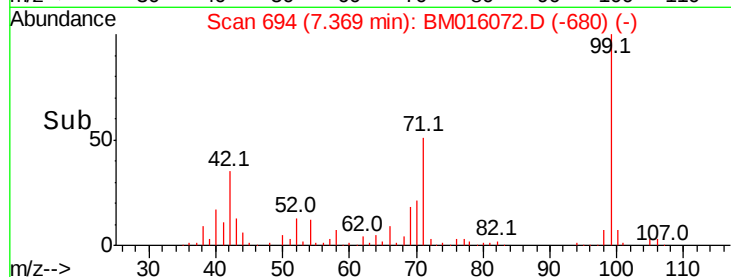
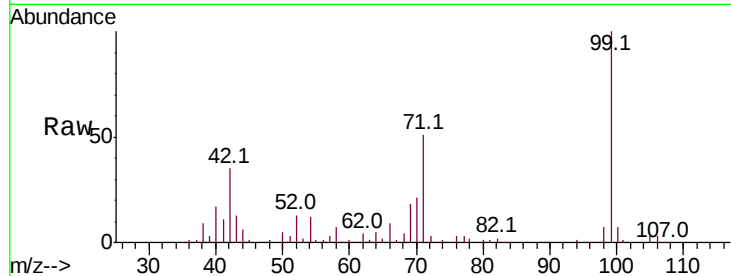
Tot Ion: 99 Resp: 559564

Ion Ratio Lower Upper

99 100

42 34.7 11.0 16.4#

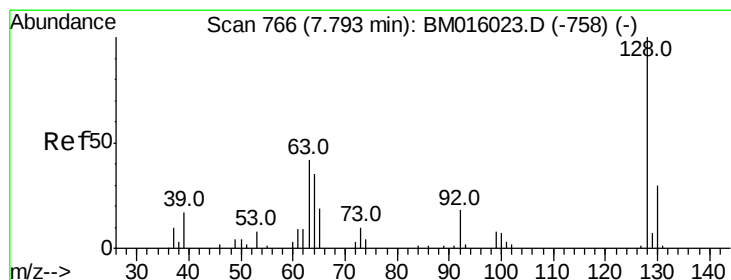
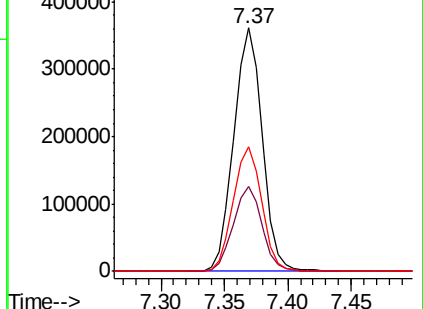
71 51.2 23.4 35.2#



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

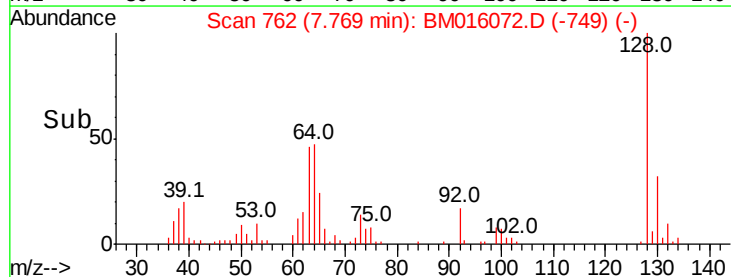
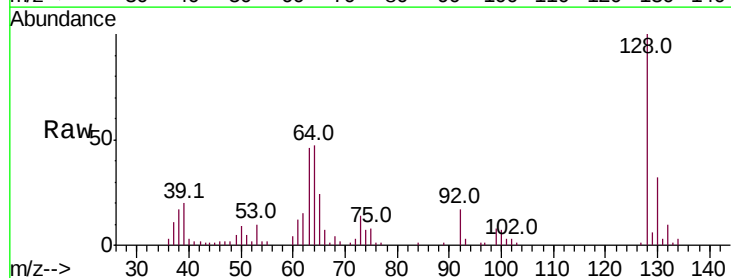
Tgt Ion: 128 Resp: 78345

Ion Ratio Lower Upper

128 100

130 32.3 12.0 52.0

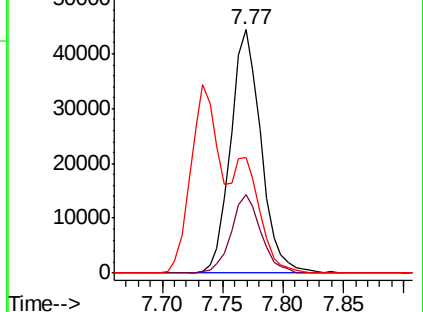
64 47.5 24.9 64.9

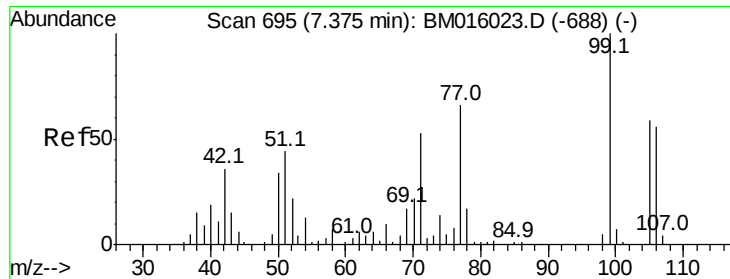


Abundance Ion 128.00 (127.70 to 128.70): BM016072.D (-749) (-)

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

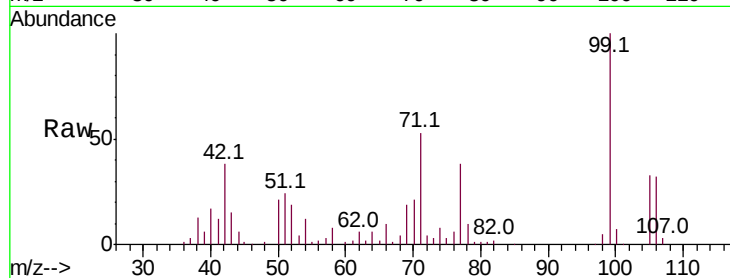
Tot Ion: 77 Resp: 64811

Ion	Ratio	Lower	Upper
77	100		
105	86.4	78.8	118.8
106	84.5	73.7	113.7

77 100

105 86.4 78.8 118.8

106 84.5 73.7 113.7

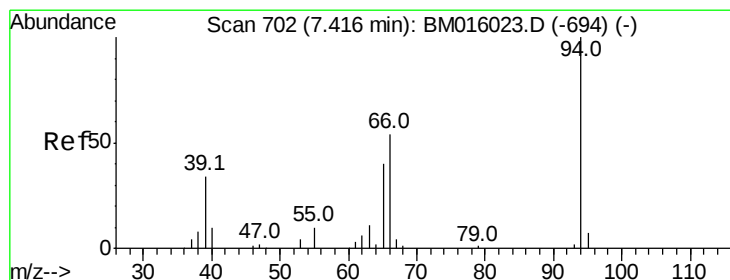
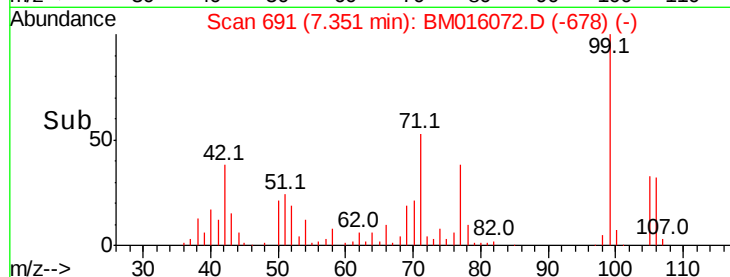
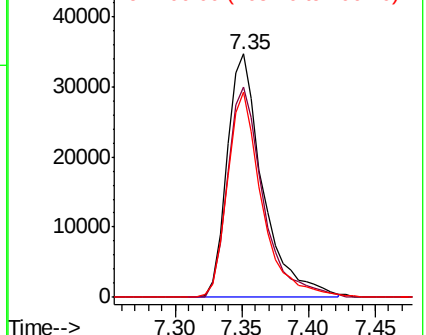


Abundance

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

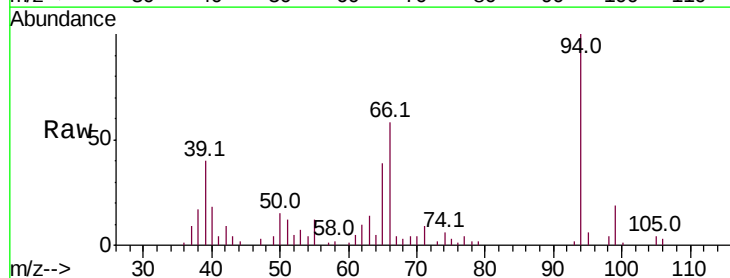
Tgt Ion: 94 Resp: 86584

Ion	Ratio	Lower	Upper
94	100		
65	38.9	18.8	58.8
66	58.2	39.9	79.9

94 100

65 38.9 18.8 58.8

66 58.2 39.9 79.9

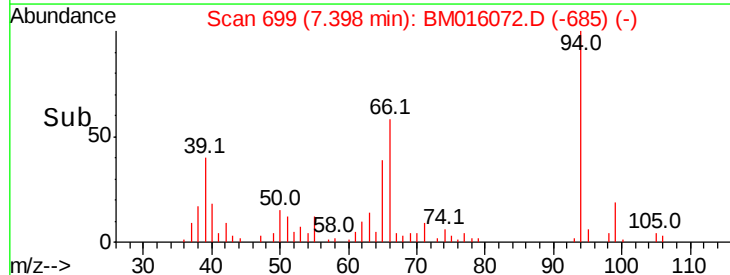
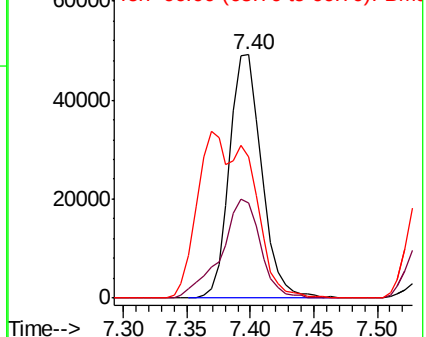


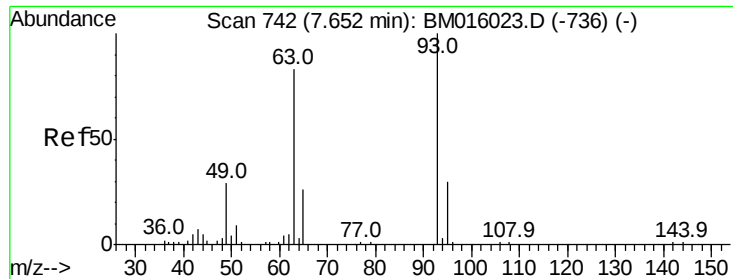
Abundance

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) (-)

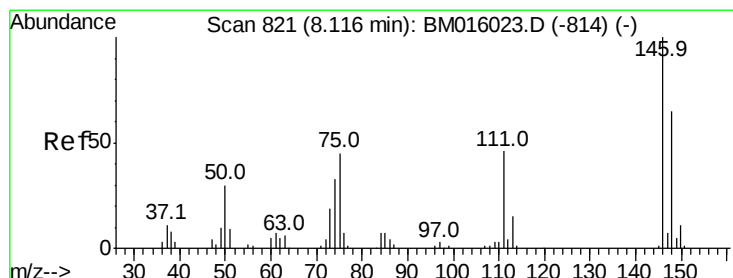
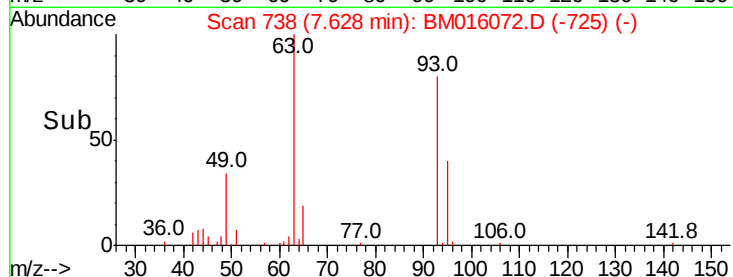
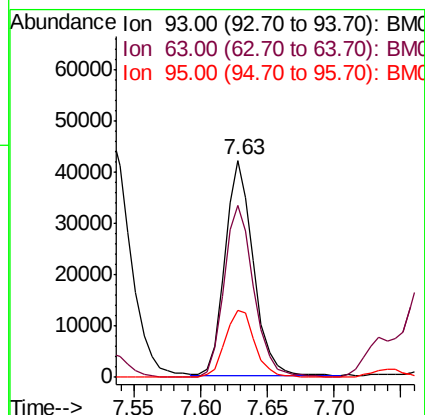
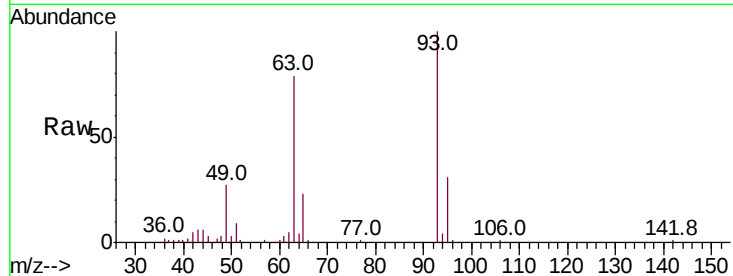




#11
bis(2-Chloroethyl)ether
Concen: 18.687 ng
RT: 7.63 min Scan# 738
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

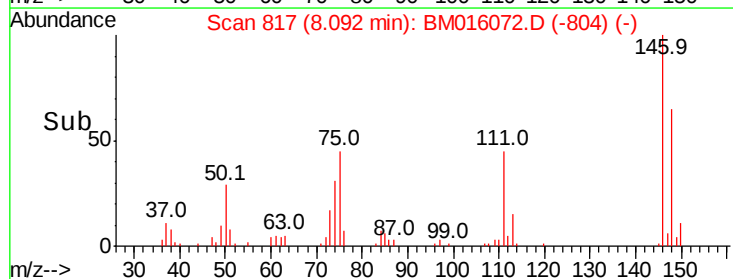
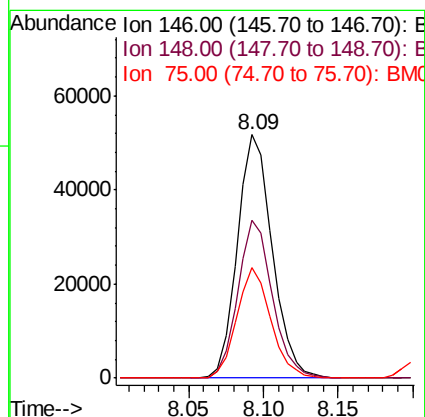
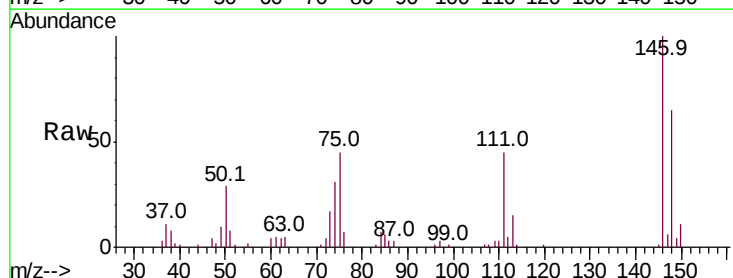
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

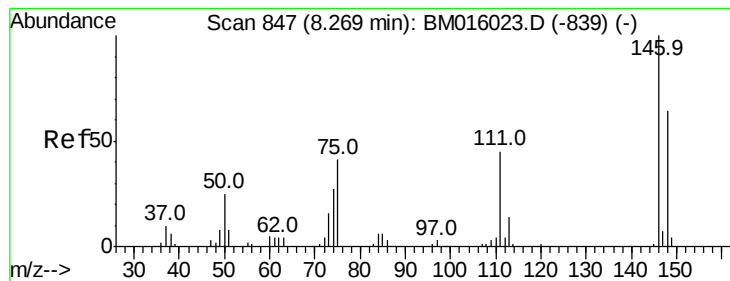
Tot Ion: 93 Resp: 62380
Ion Ratio Lower Upper
93 100
63 79.2 49.5 89.5
95 30.6 13.5 53.5



#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

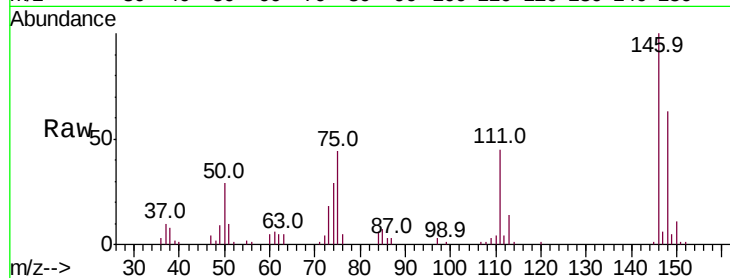
Tot Ion:146 Resp: 86139

Ion Ratio Lower Upper

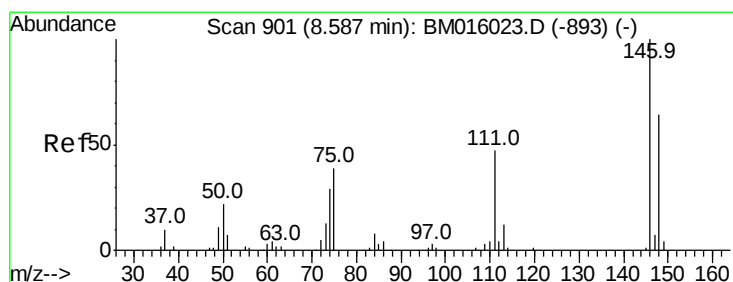
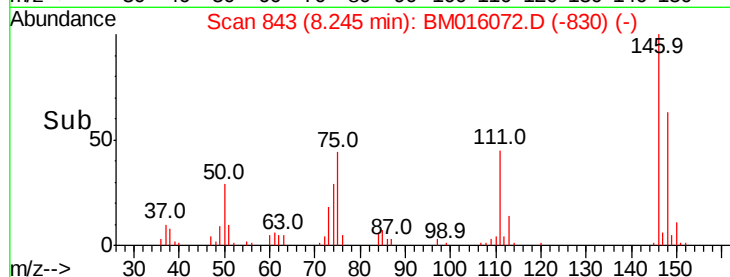
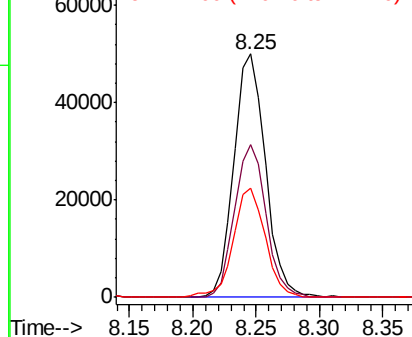
146 100

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

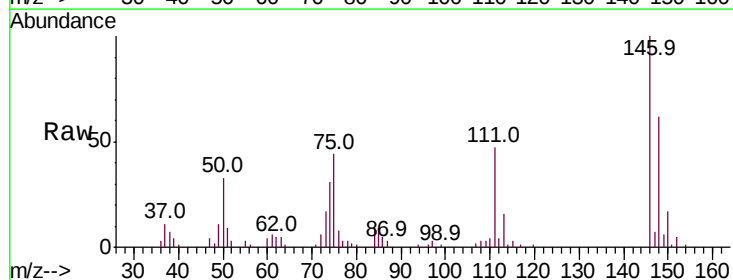
Tgt Ion:146 Resp: 81731

Ion Ratio Lower Upper

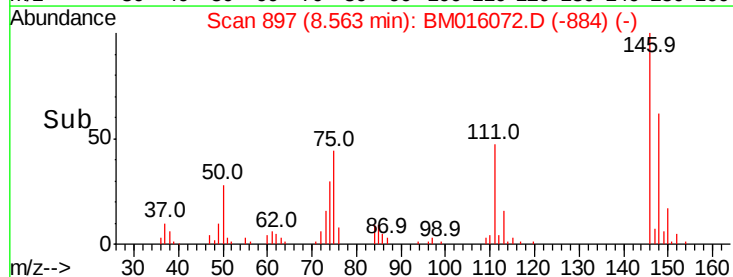
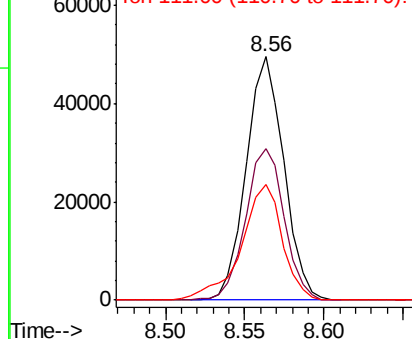
146 100

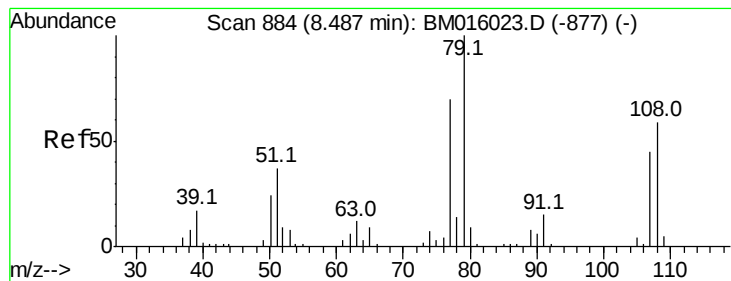
148 62.1 52.3 78.5

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

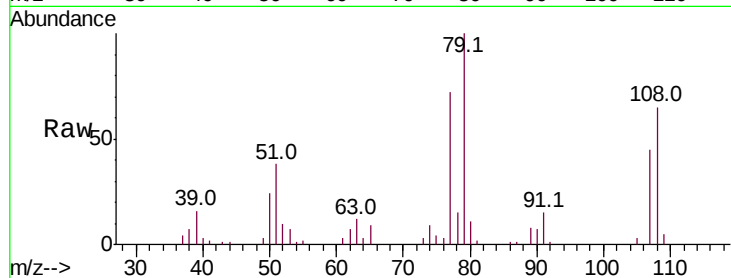
Tot Ion: 79 Resp: 62548

Ion Ratio Lower Upper

79 100

108 64.9 65.0 97.4#

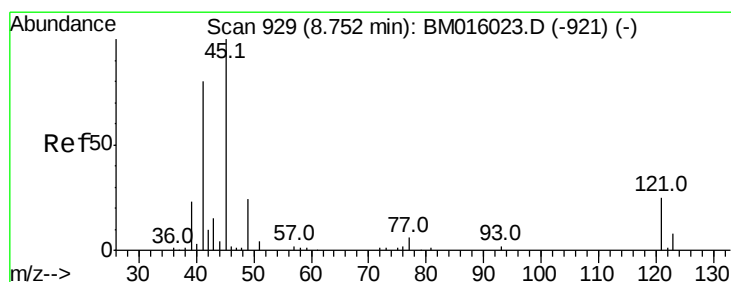
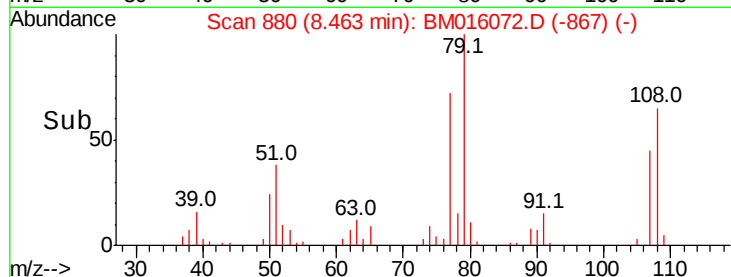
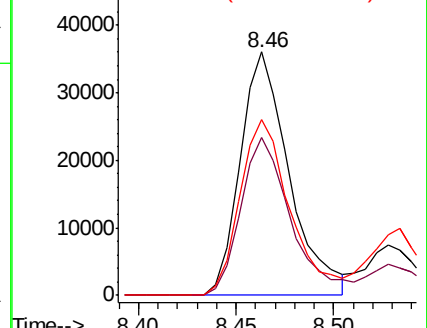
77 72.4 53.0 79.6



Abundance Ion 79.00 (78.70 to 79.70): BM016072.D (-867) (-)

Ion 108.00 (107.70 to 108.70): BM016072.D (-867) (-)

Ion 77.00 (76.70 to 77.70): BM016072.D (-867) (-)



#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

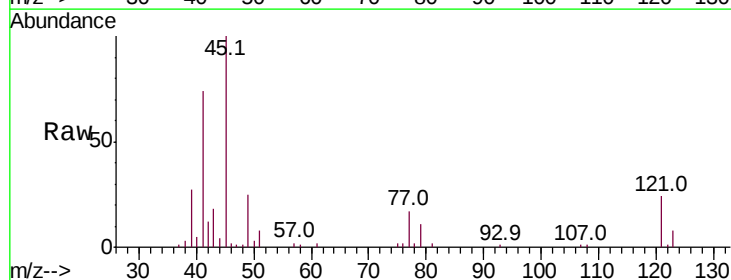
Tgt Ion: 45 Resp: 95836

Ion Ratio Lower Upper

45 100

77 16.7 0.0 35.2

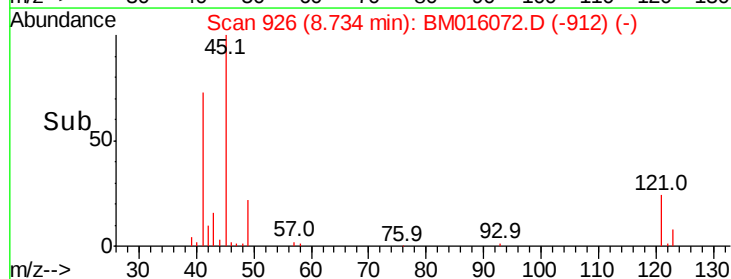
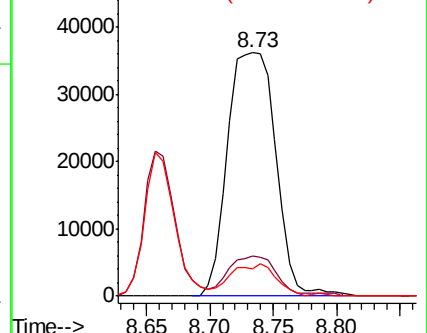
79 11.1 0.0 32.0

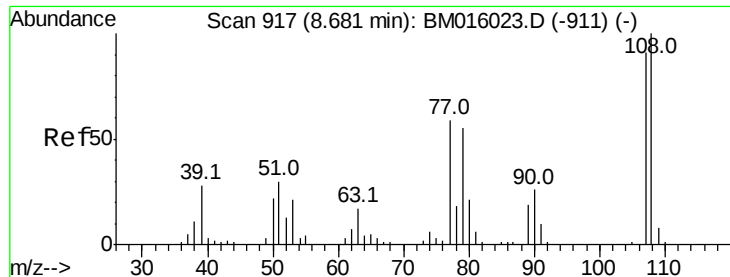


Abundance Ion 45.00 (44.70 to 45.70): BM016072.D (-912) (-)

Ion 77.00 (76.70 to 77.70): BM016072.D (-912) (-)

Ion 79.00 (78.70 to 79.70): BM016072.D (-912) (-)





#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

Tot Ion:107 Resp: 59759

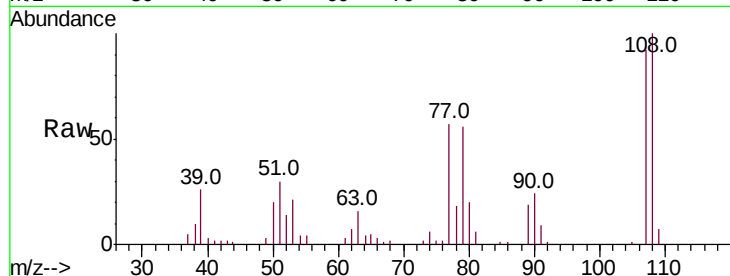
Ion Ratio Lower Upper

107 100

108 108.5 89.8 134.8

77 61.5 32.6 48.8#

79 61.1 32.8 49.2#



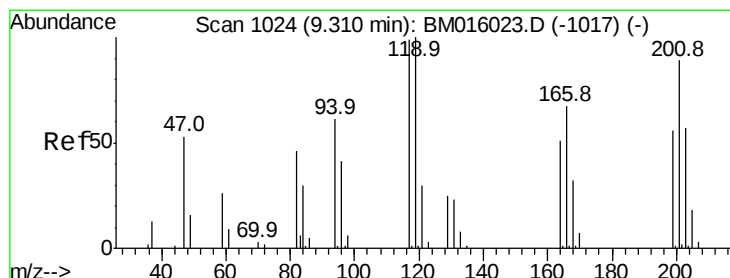
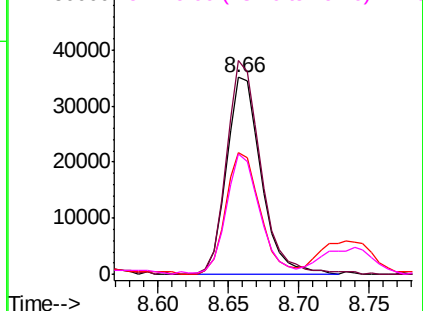
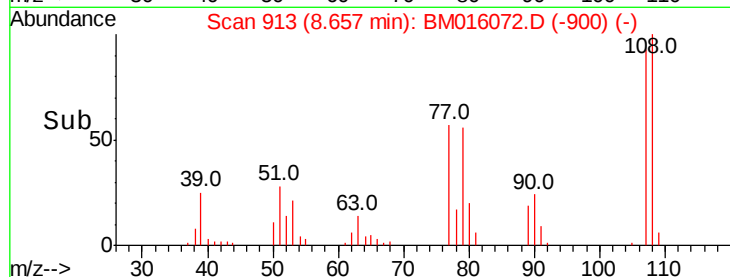
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



#18

Hexachloroethane

Concen: 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

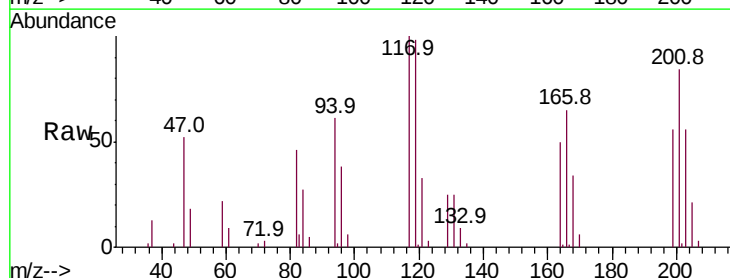
Tgt Ion:117 Resp: 37401

Ion Ratio Lower Upper

117 100

119 98.4 79.2 118.8

201 85.8 69.8 104.6

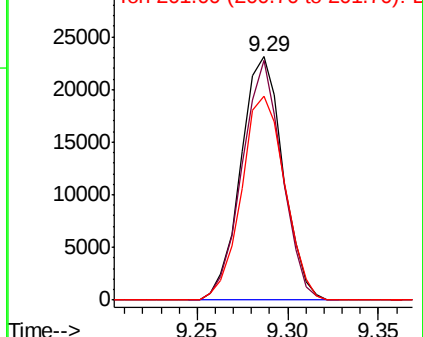
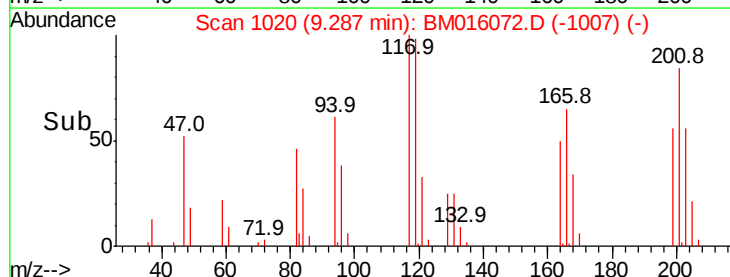


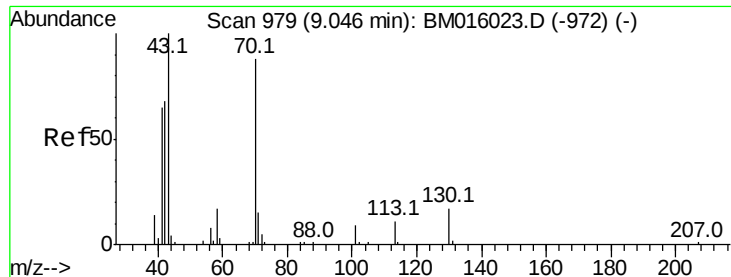
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

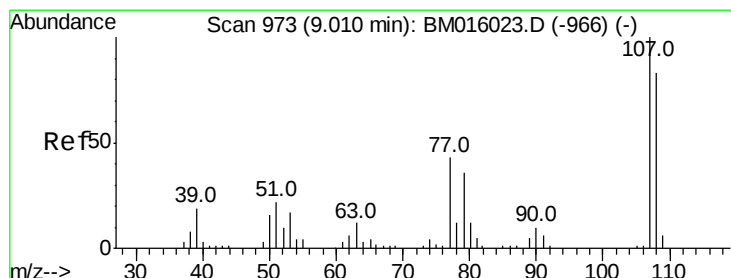
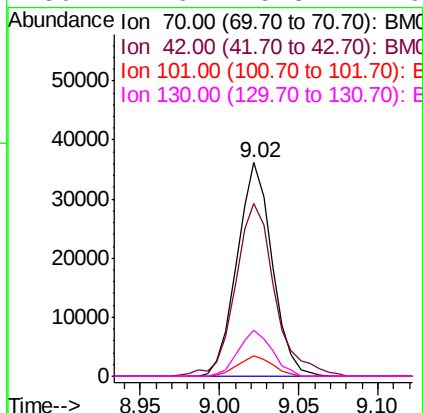
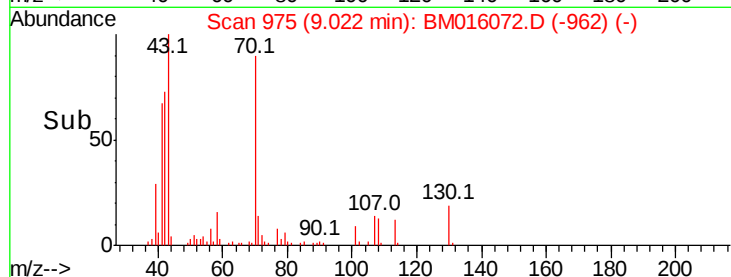
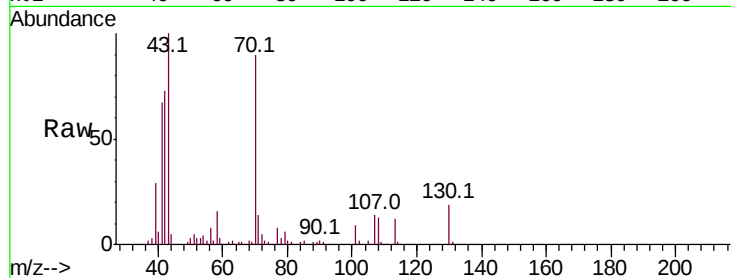




#19
n-Nitroso-di-n-propylamine
Concen: 18.017 ng
RT: 9.02 min Scan# 975
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

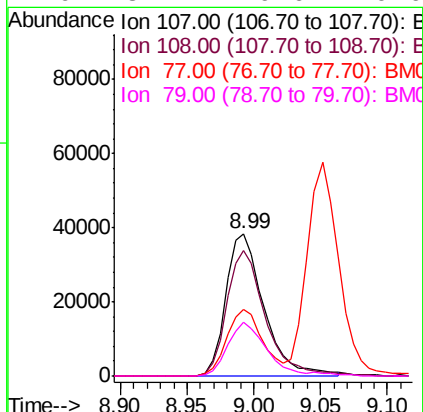
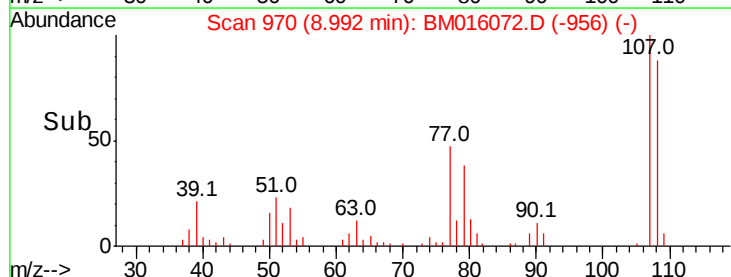
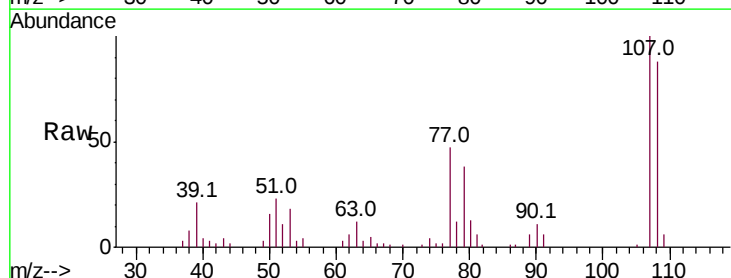
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot 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

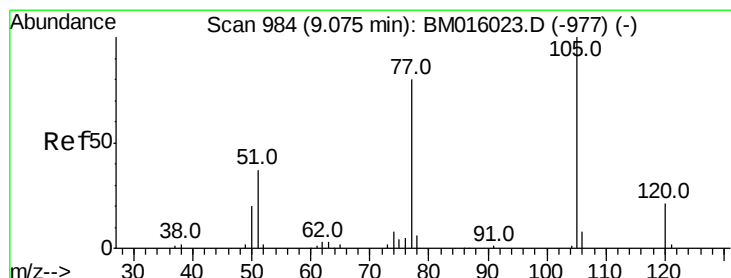
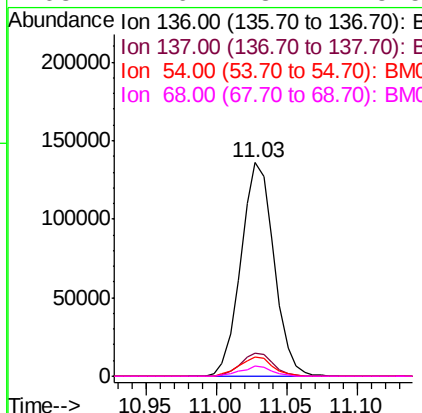
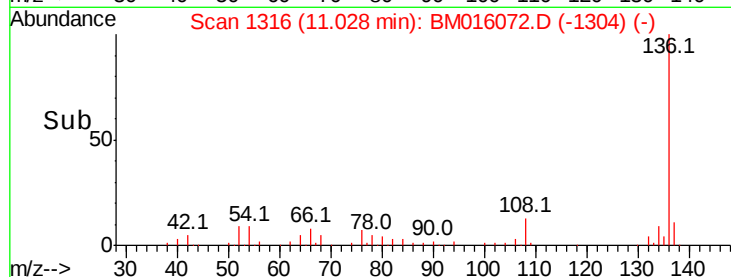
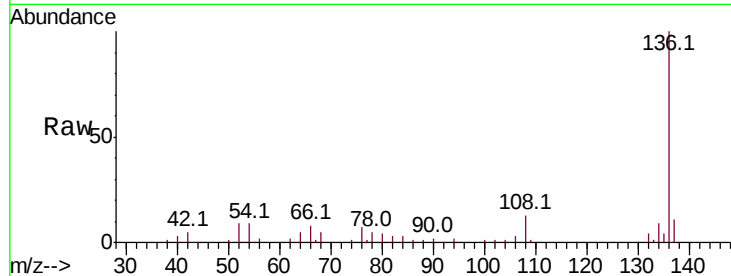




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.03 min Scan# 1316
Delta R.T. -0.03 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

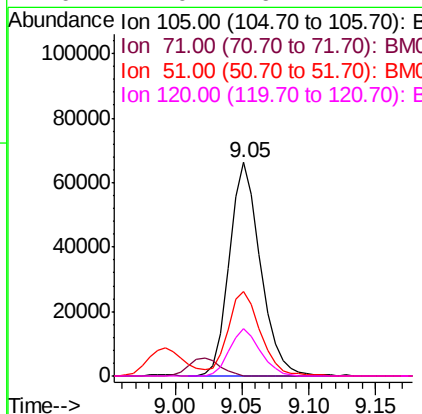
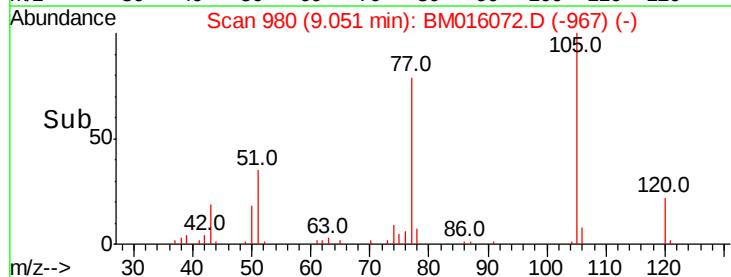
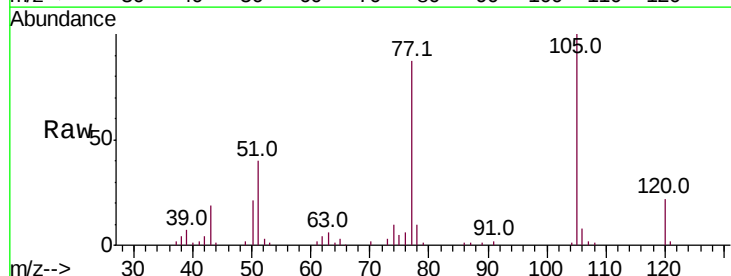
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

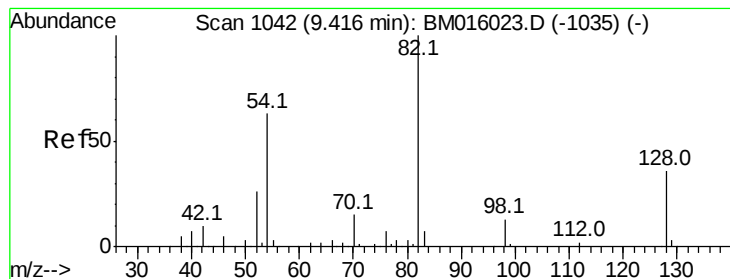
Tot Ion:	136	Resp:	223478
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	9.2	4.6	6.8#
68	4.6	3.7	5.5



#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

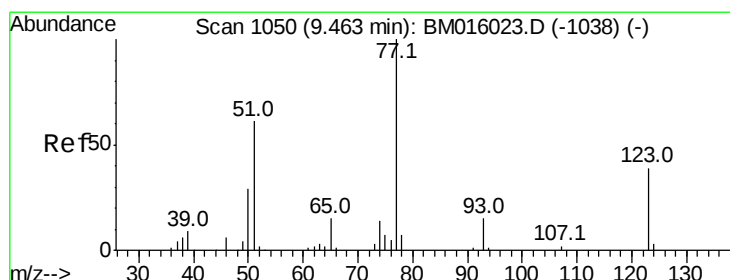
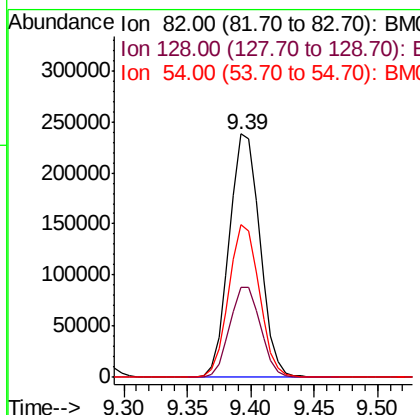
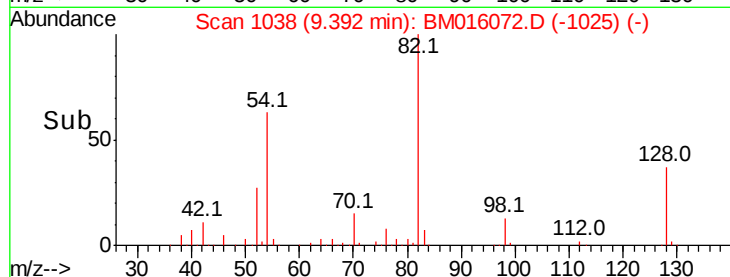
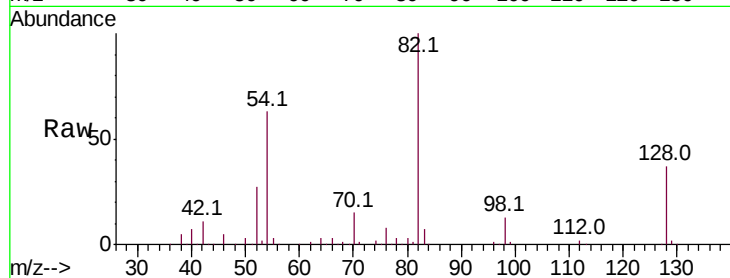




#23
 Nitrobenzene-d5
 Concen: 19.233 ng
 RT: 9.39 min Scan# 1038
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

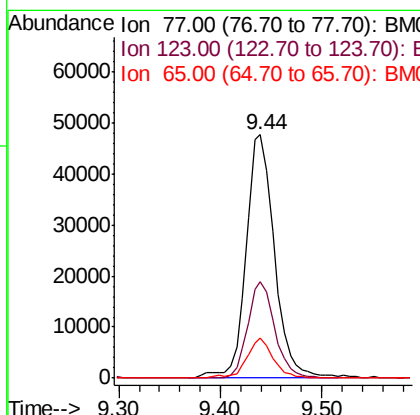
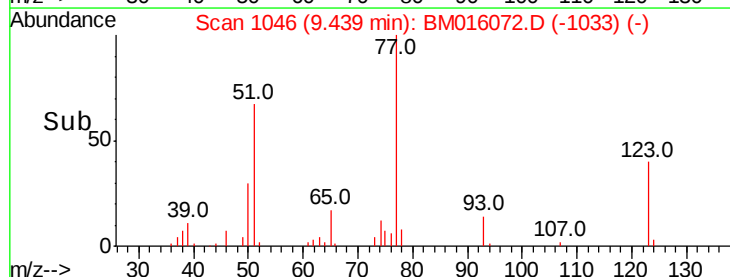
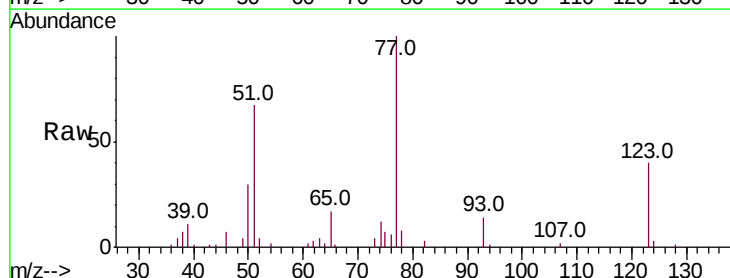
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

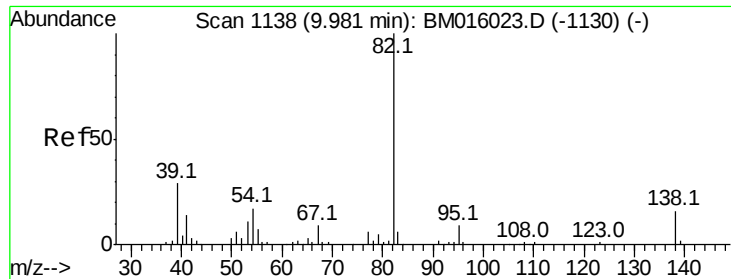
Tot Ion	Ratio	Lower	Upper
82	100		
128	36.9	32.8	49.2
54	62.7	40.6	60.8#



#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#





#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

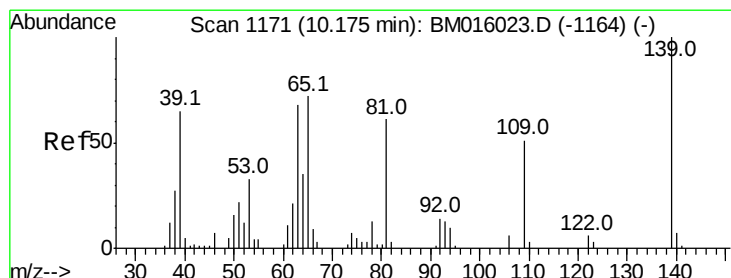
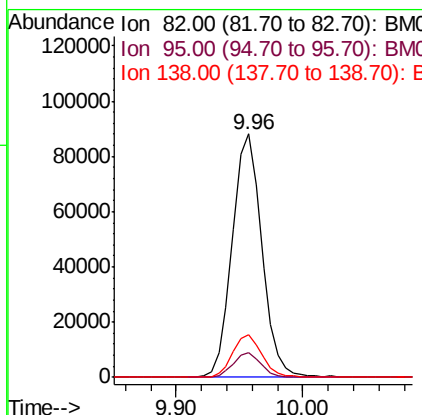
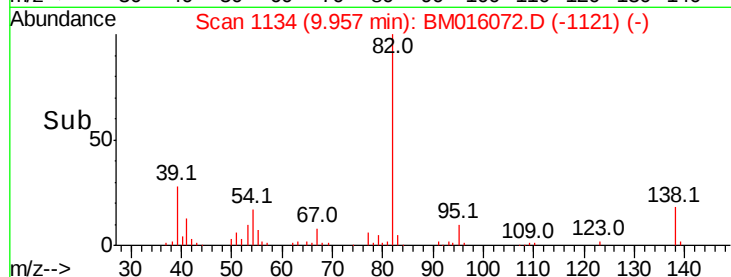
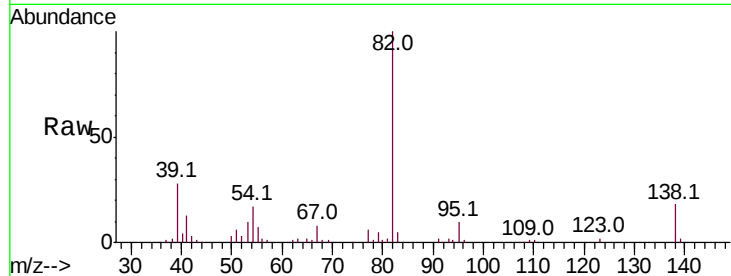
Tot Ion: 82 Resp: 142325

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

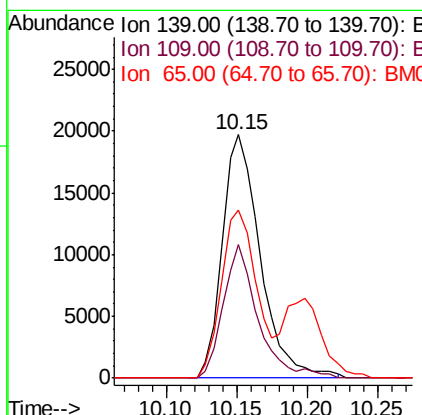
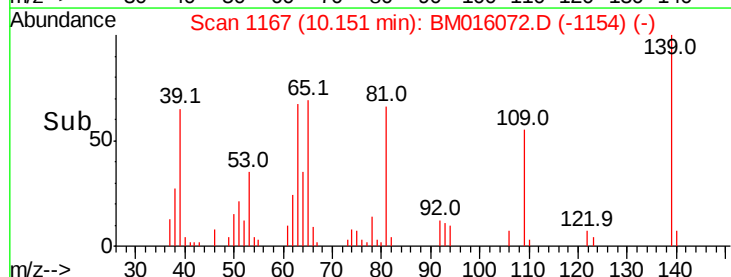
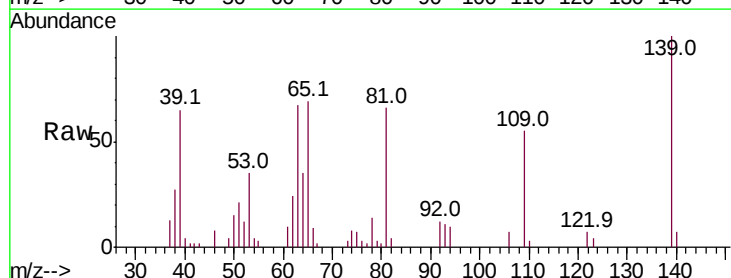
Tgt Ion: 139 Resp: 36927

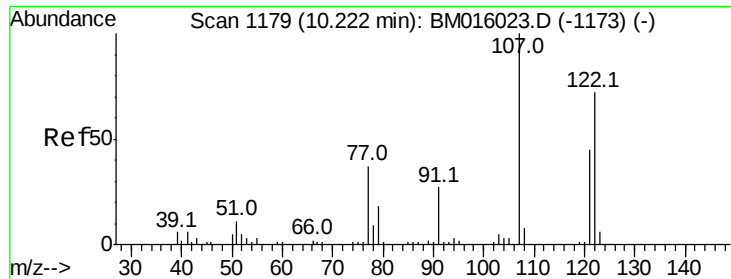
Ion Ratio Lower Upper

139 100

109 55.0 20.1 30.1#

65 69.1 31.5 47.3#

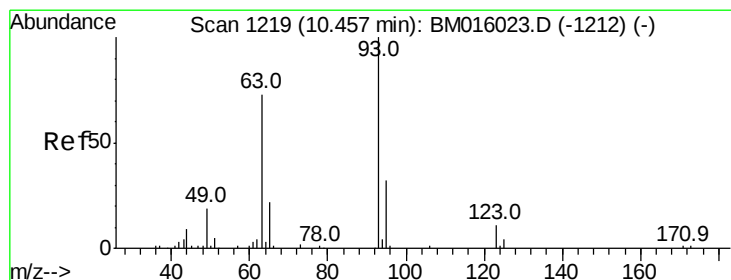
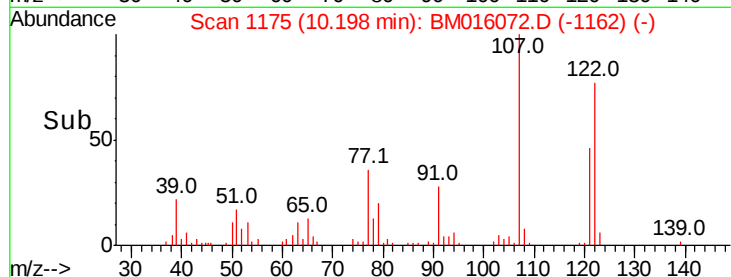
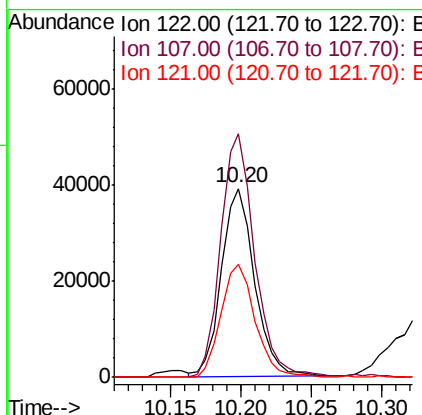
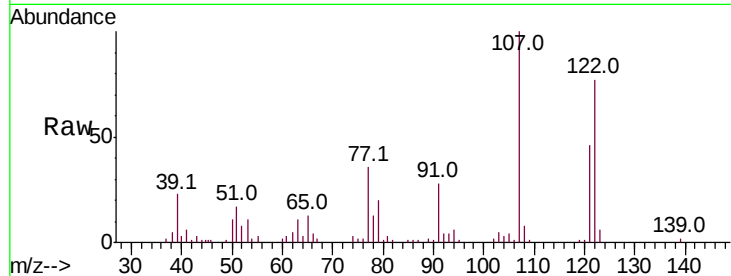




#27
 2,4-Dimethylphenol
 Concen: 22.751 ng
 RT: 10.20 min Scan# 1175
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

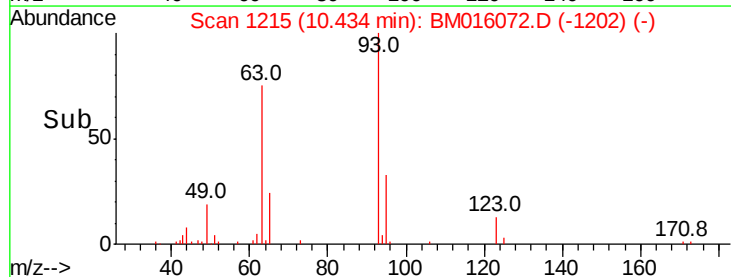
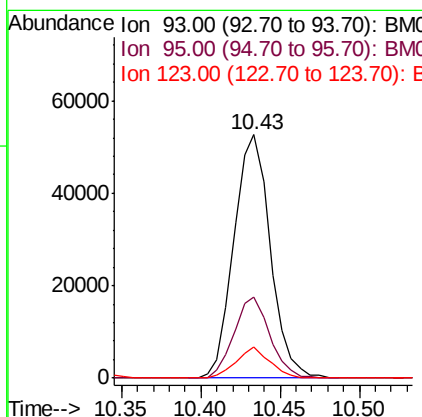
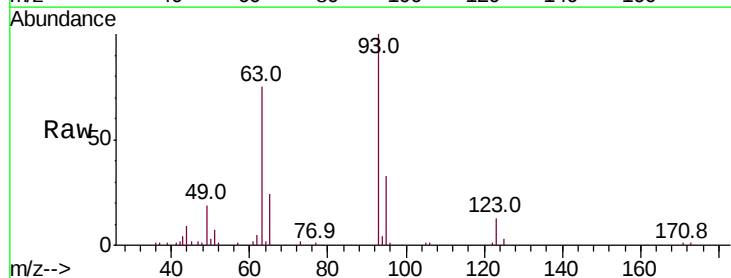
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

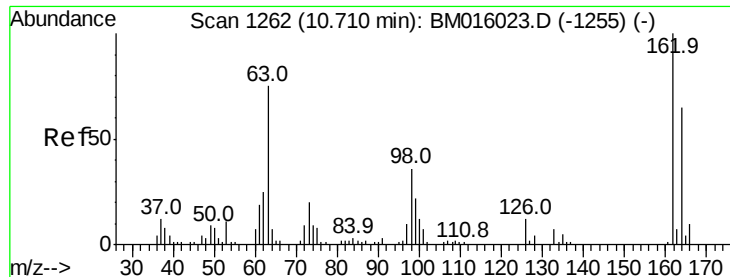
Tot Ion:122 Resp: 63993
 Ion Ratio Lower Upper
 122 100
 107 129.1 84.7 127.1#
 121 59.9 46.6 69.8



#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

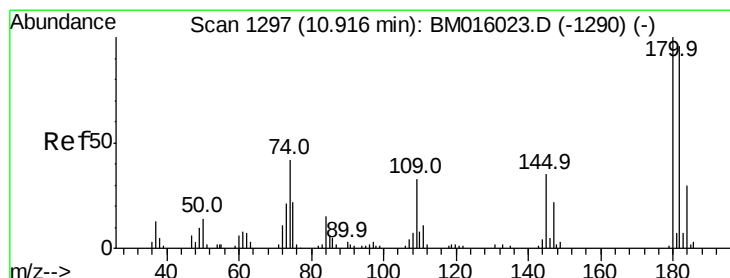
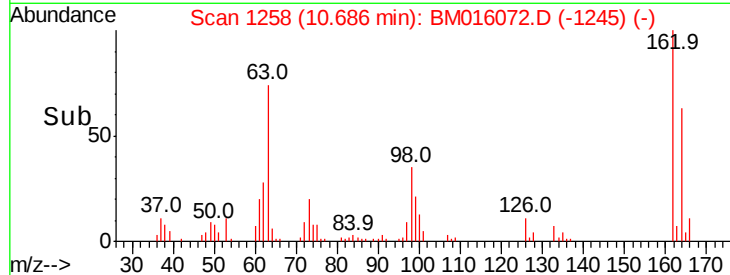
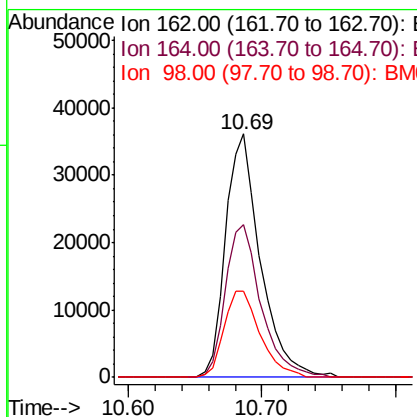
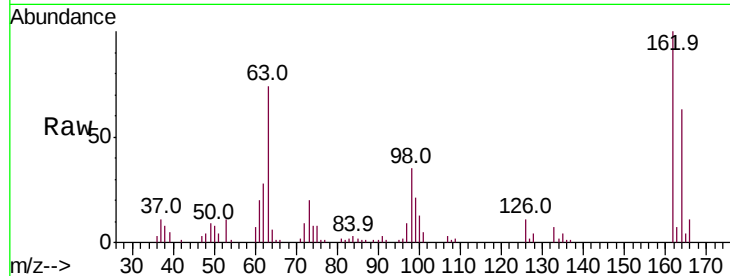




#29
 2,4-Dichlorophenol
 Concen: 19.732 ng
 RT: 10.69 min Scan# 1258
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

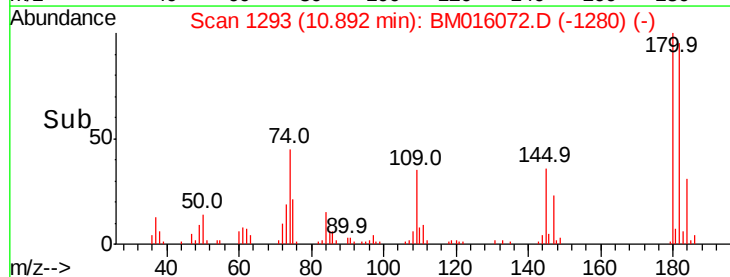
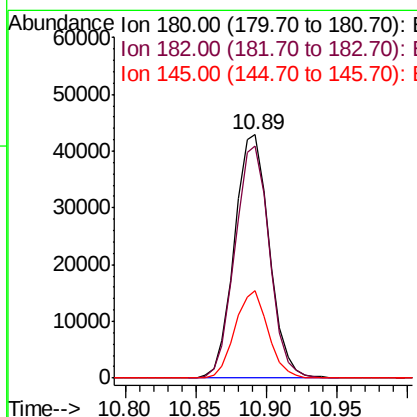
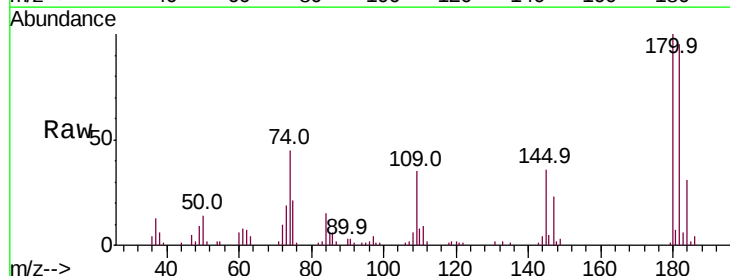
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

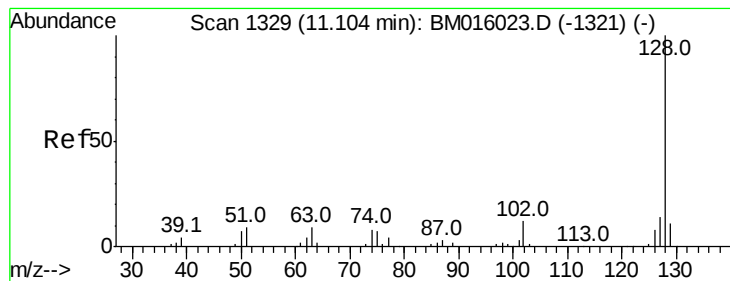
Tot Ion	Ratio	Lower	Upper
162	100		
164	62.6	42.8	82.8
98	35.4	14.5	54.5



#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	Ratio	Lower	Upper
180	100		
182	95.3	77.6	116.4
145	36.0	23.4	35.2





#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

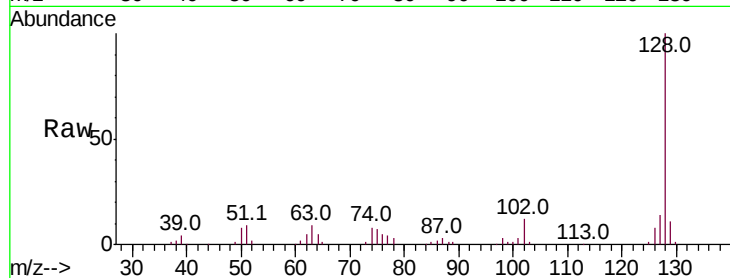
Tot Ion:128 Resp: 224034

Ion Ratio Lower Upper

128 100

129 11.4 8.9 13.3

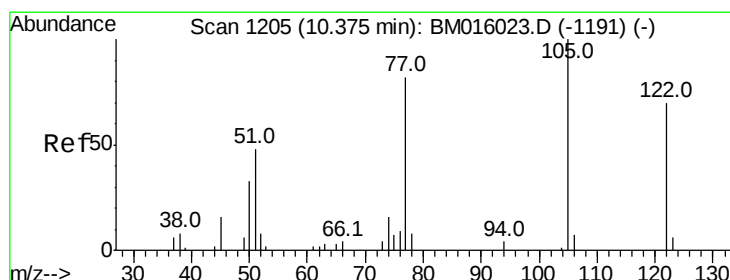
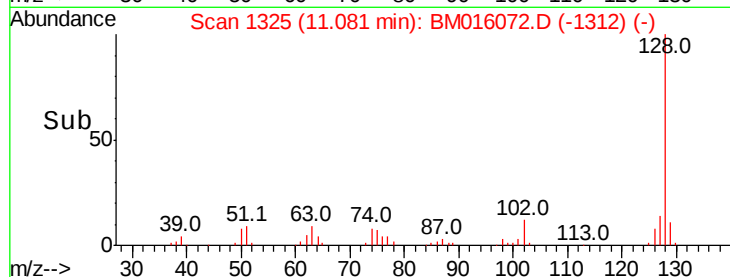
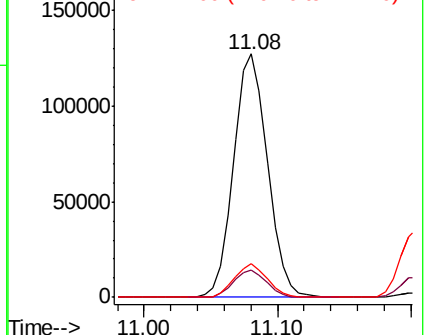
127 13.7 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 16.908 ng

RT: 10.33 min Scan# 1198

Delta R.T. -0.04 min

Lab File: BM016072.D

Acq: 25 Jul 2018 13:38

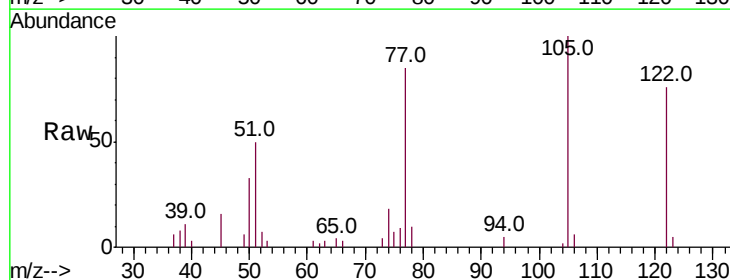
Tgt Ion:122 Resp: 36254

Ion Ratio Lower Upper

122 100

105 131.0 99.9 139.9

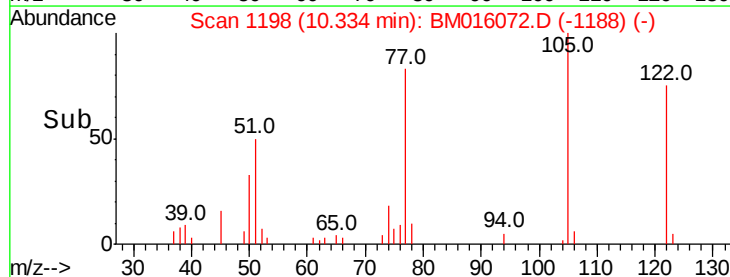
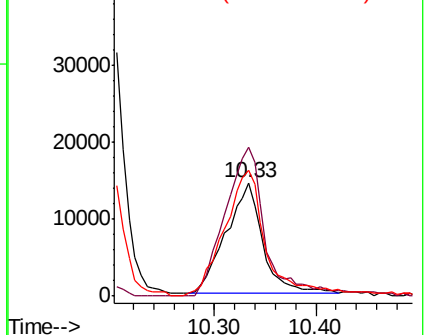
77 111.2 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

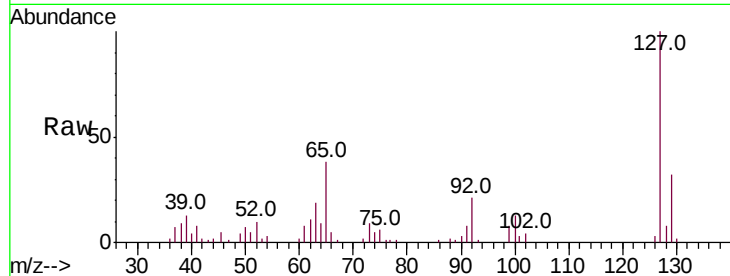




#33
4-Chloroaniline
Concen: 13.847 ng
RT: 11.20 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

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

Tot 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



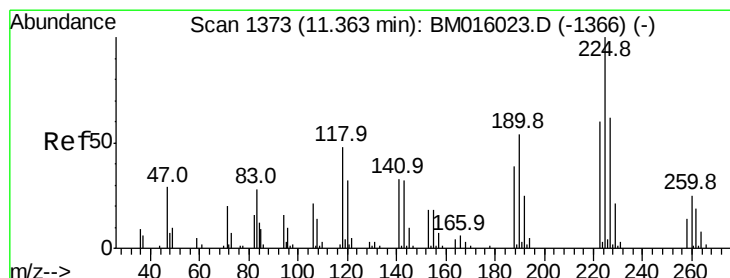
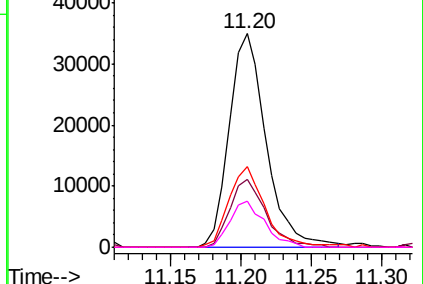
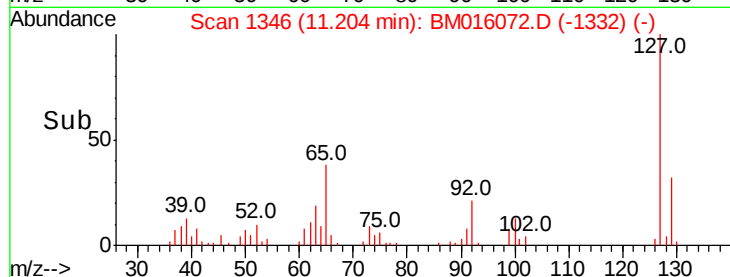
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

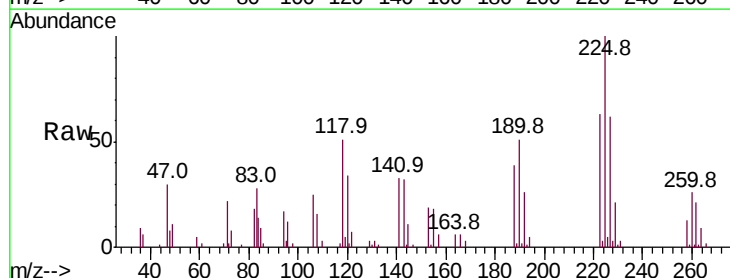
Ion 65.00 (64.70 to 65.70): BM

Ion 92.00 (91.70 to 92.70): BM



#34
Hexachlorobutadiene
Concen: 18.153 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

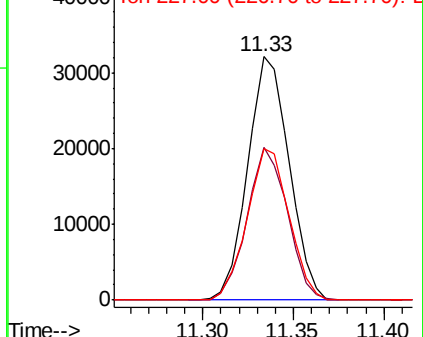
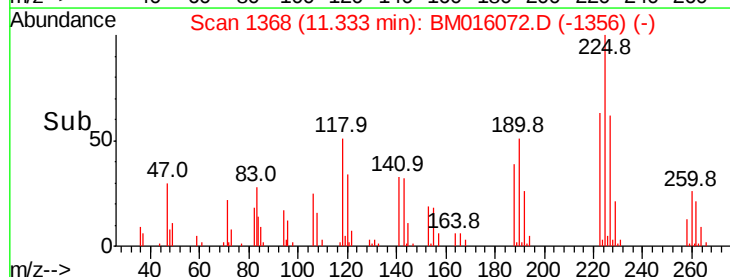


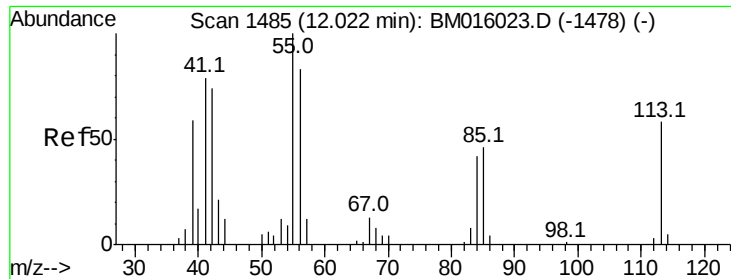
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

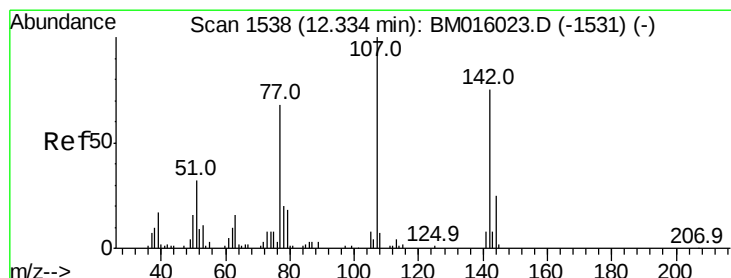
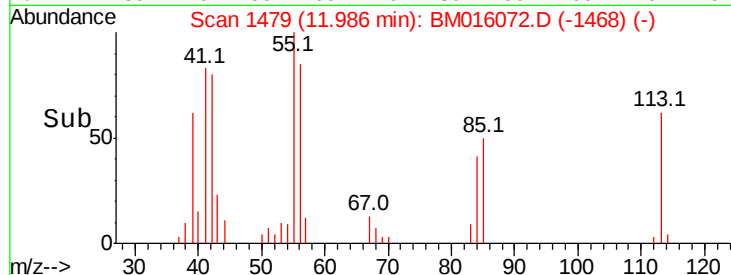
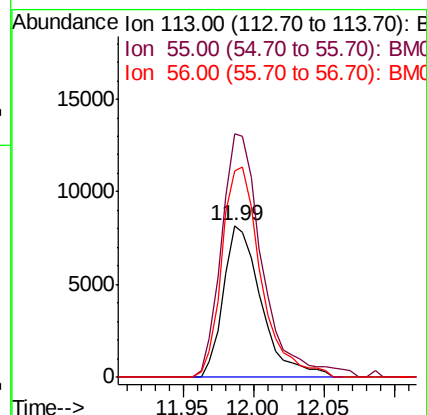
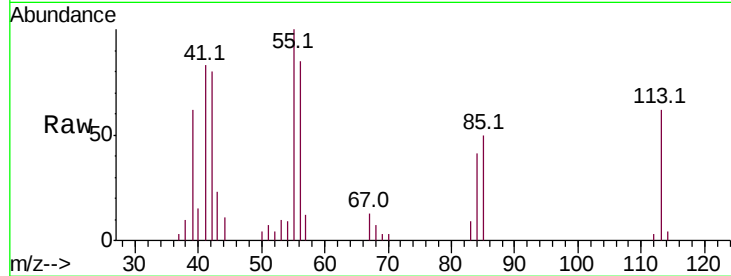




#35
 Caprolactam
 Concen: 16.604 ng
 RT: 11.99 min Scan# 1479
 Delta R.T. -0.04 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

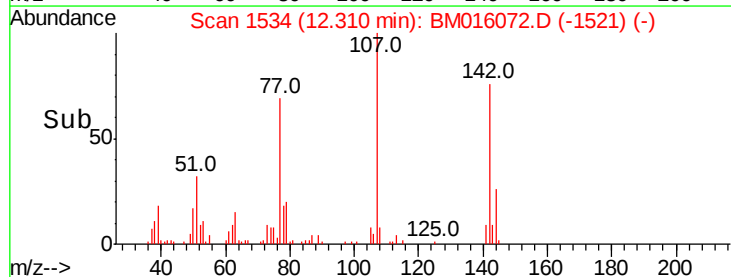
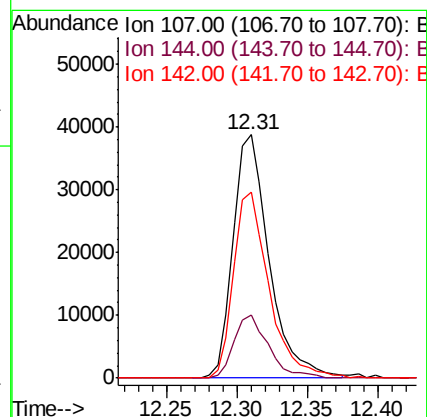
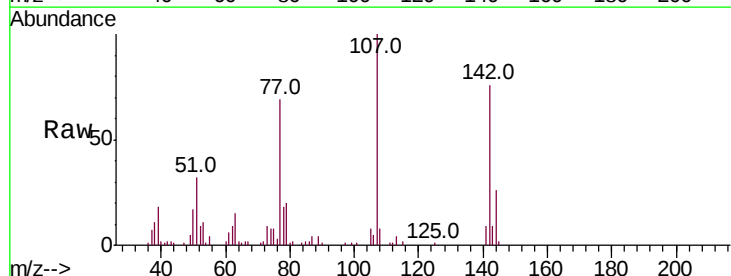
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

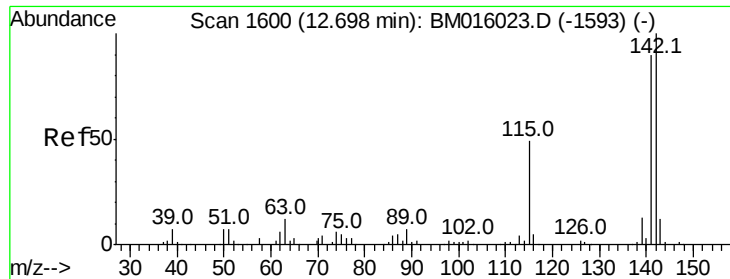
Tot Ion:113 Resp: 15371
 Ion Ratio Lower Upper
 113 100
 55 160.5 145.9 185.9
 56 136.4 101.0 141.0



#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

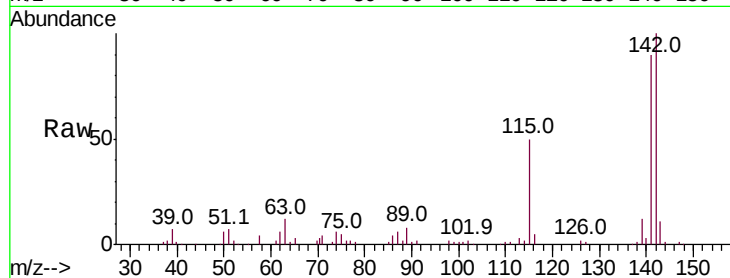




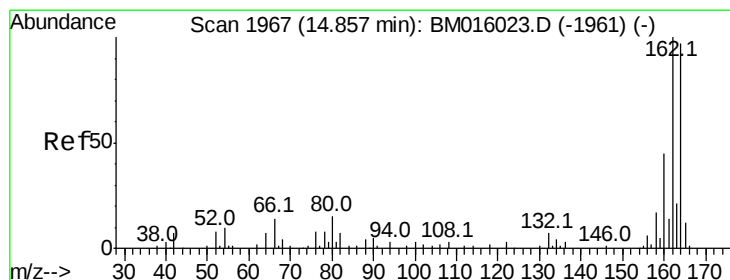
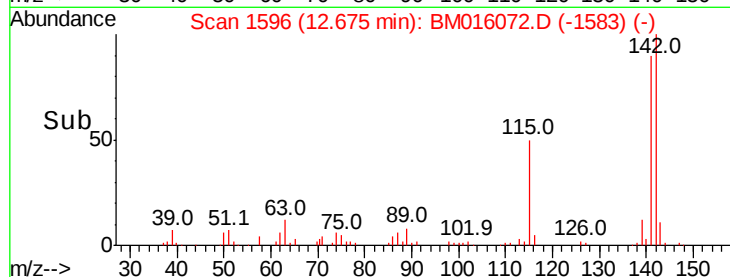
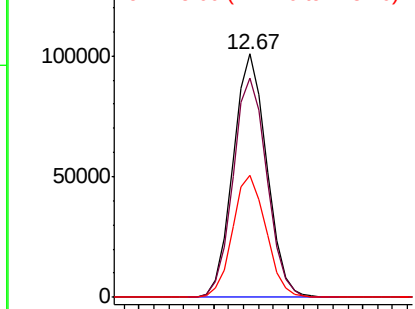
#37
 2-Methylnaphthalene
 Concen: 20.942 ng
 RT: 12.67 min Scan# 1596
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

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

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

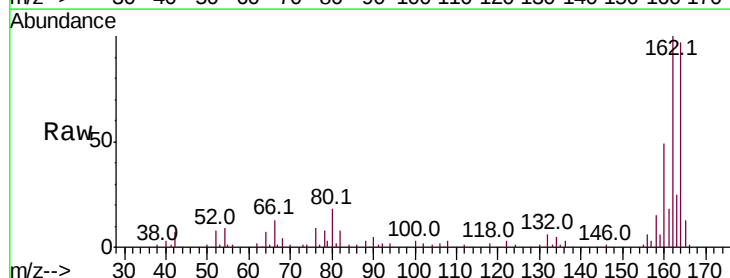


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

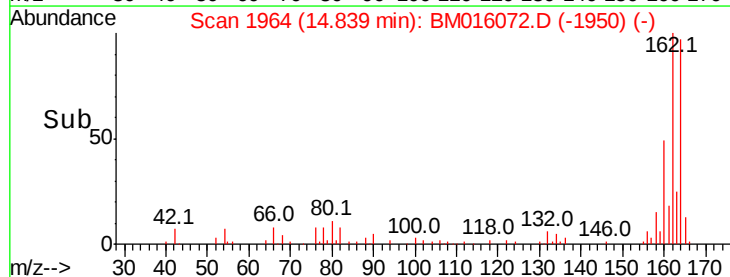
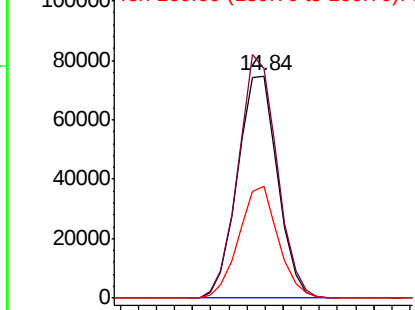


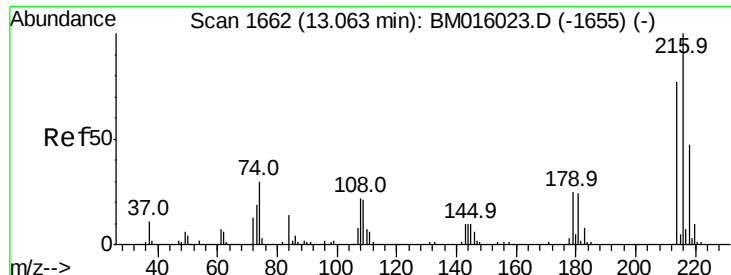
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.84 min Scan# 1964
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

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

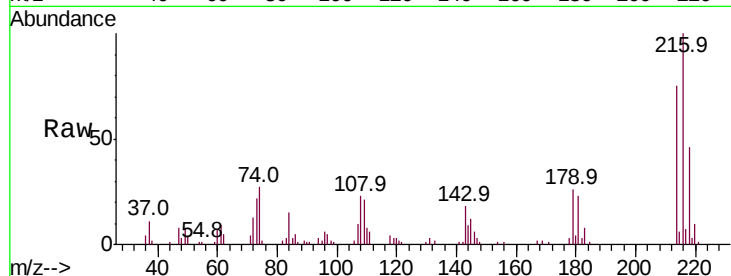




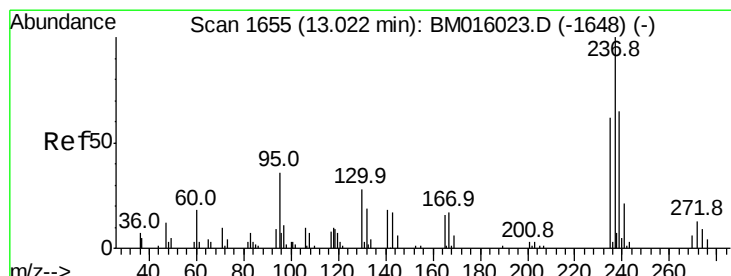
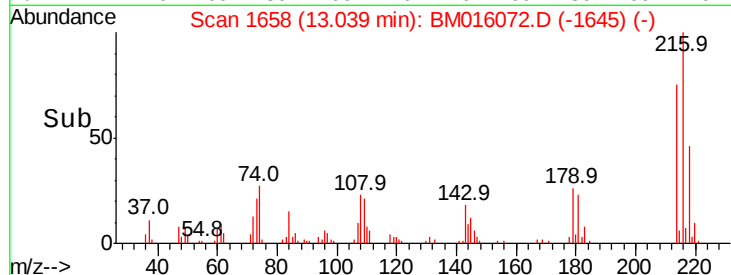
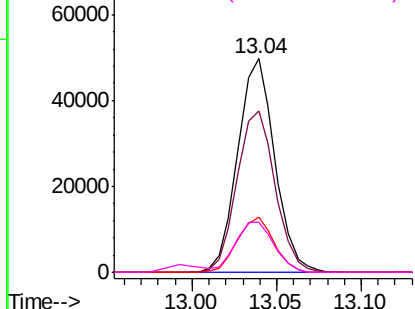
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 19.414 ng
 RT: 13.04 min Scan# 1658
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

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

Tot 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#

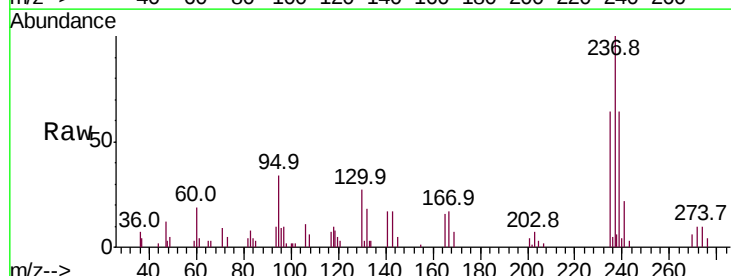


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

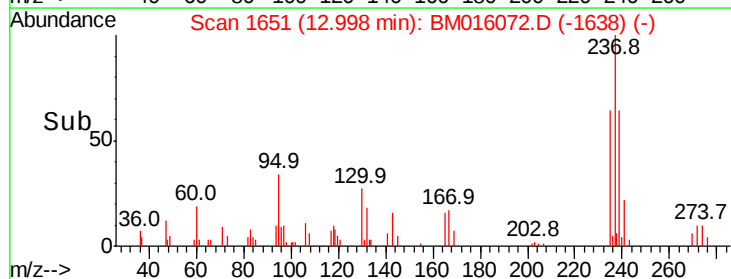
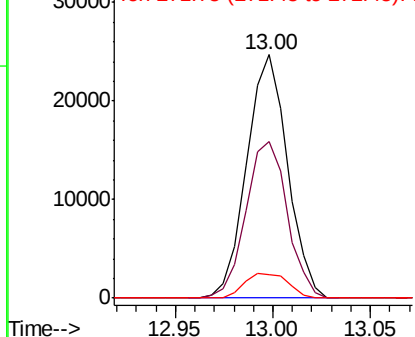


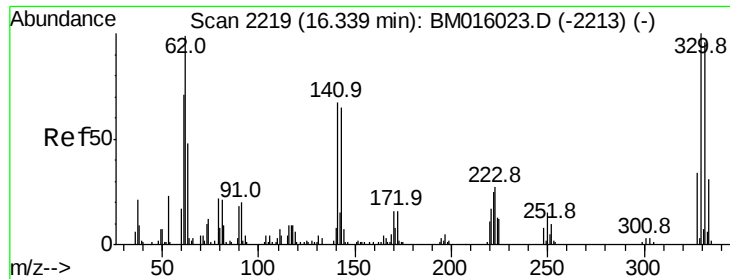
#40
 Hexachlorocyclopentadiene
 Concen: 24.500 ng
 RT: 13.00 min Scan# 1651
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

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

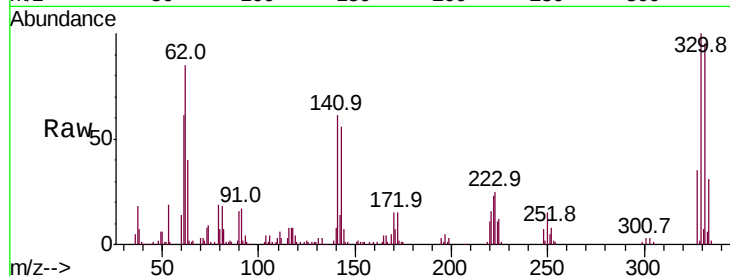




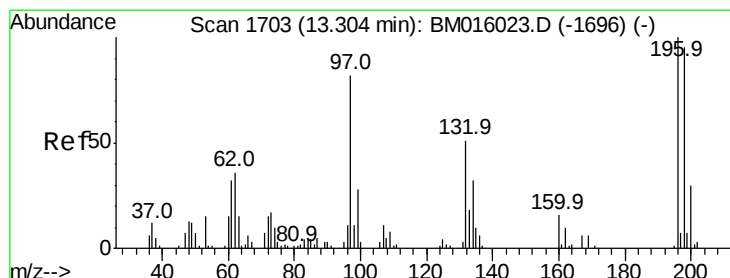
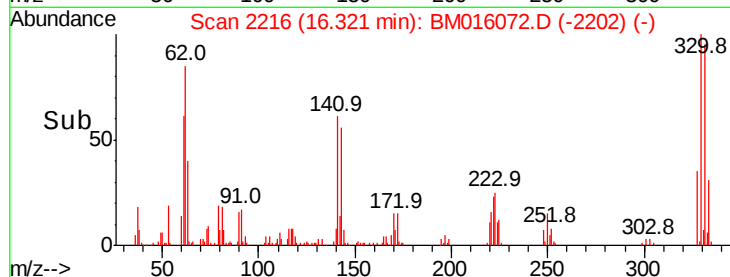
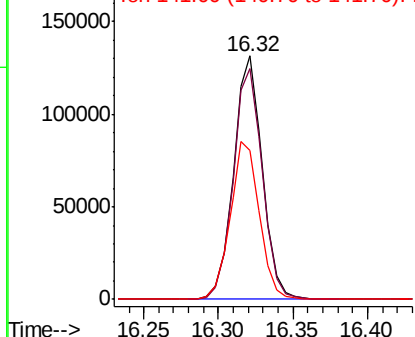
#41
 2,4,6-Tribromophenol
 Concen: 24.500 ng
 RT: 16.32 min Scan# 2216
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	0.0	0.0#
141	65.8	0.0	0.0#

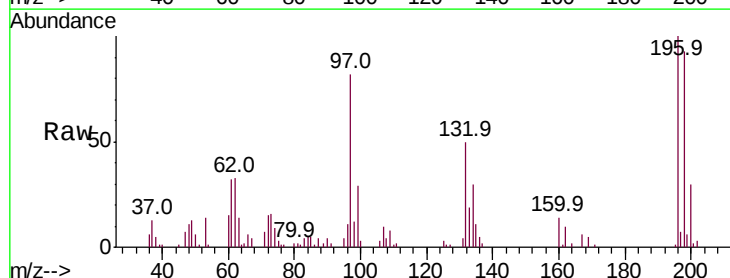


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

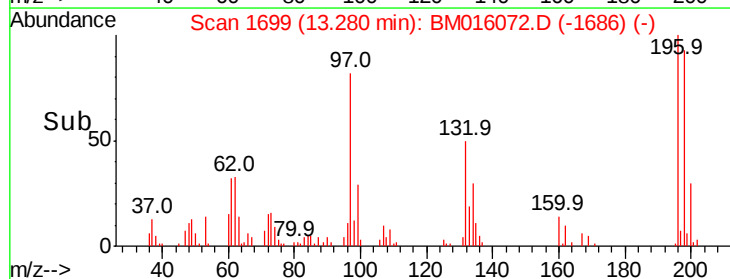
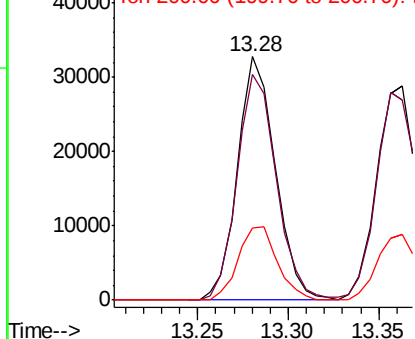


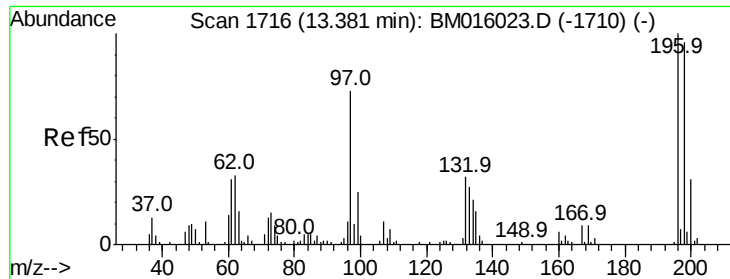
#42
 2,4,6-Trichlorophenol
 Concen: 19.516 ng
 RT: 13.28 min Scan# 1699
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

Tgt Ion	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

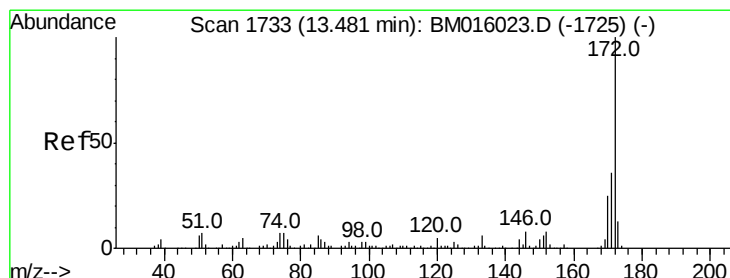
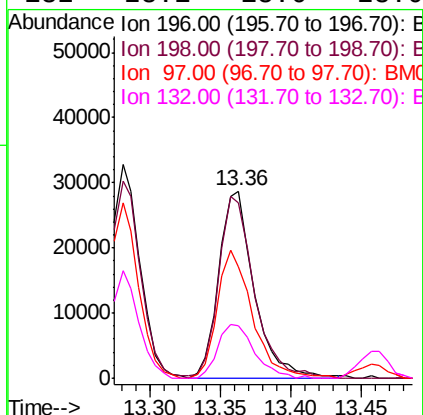
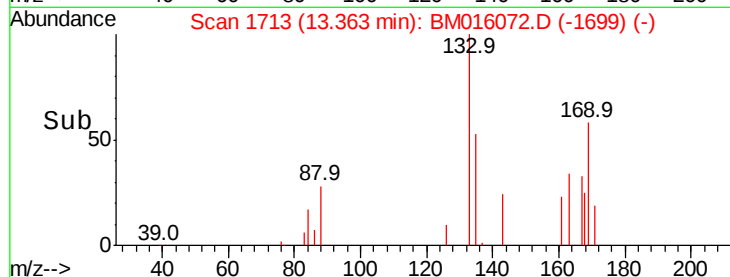
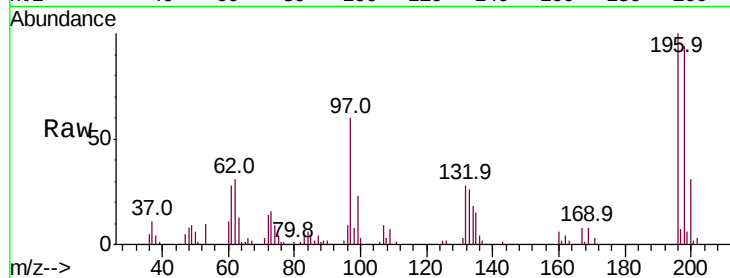




#43
2,4,5-Trichlorophenol
Concen: 19.957 ng
RT: 13.36 min Scan# 1713
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

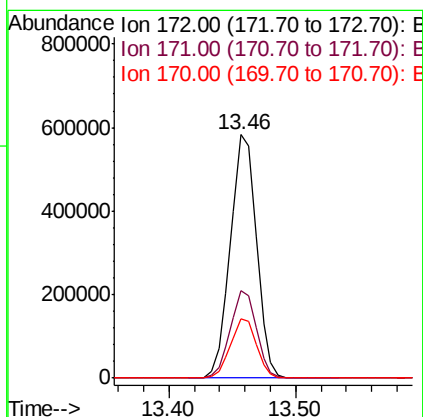
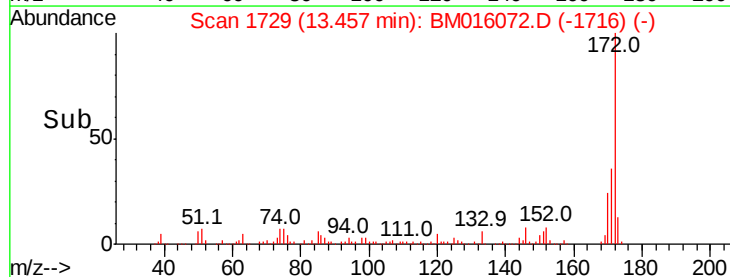
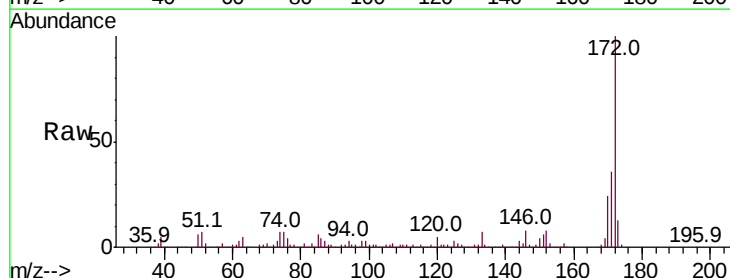
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

Tot Ion:196 Resp: 50359
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:172 Resp: 828858
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 24.3 18.8 28.2

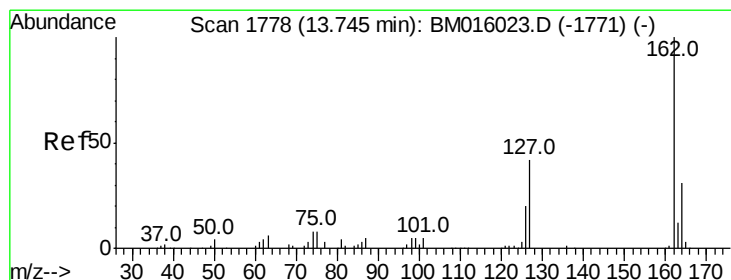
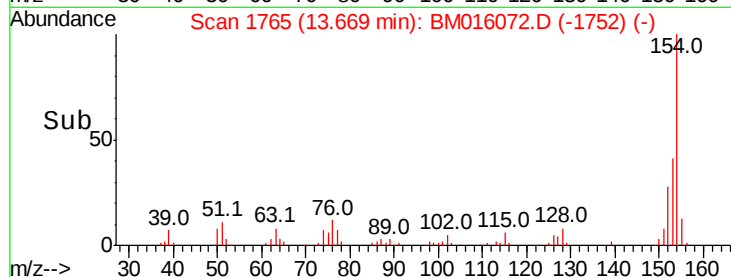
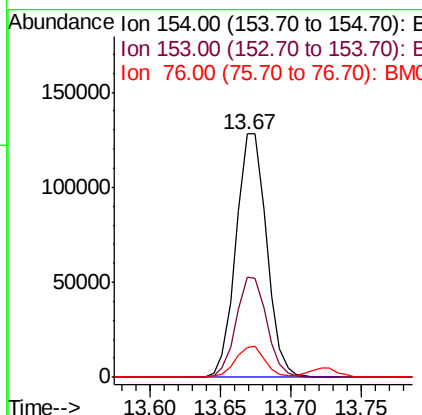
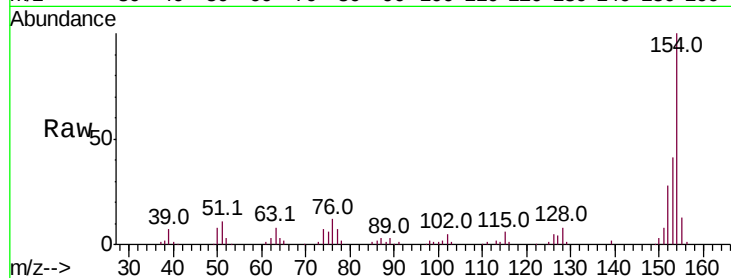




#45
 1,1'-Biphenyl
 Concen: 18.771 ng
 RT: 13.67 min Scan# 1765
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

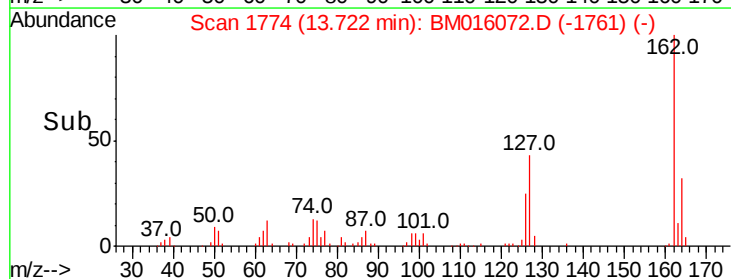
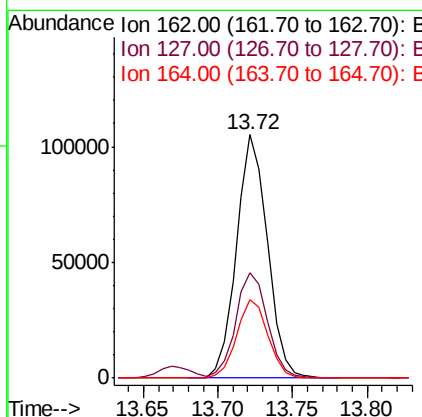
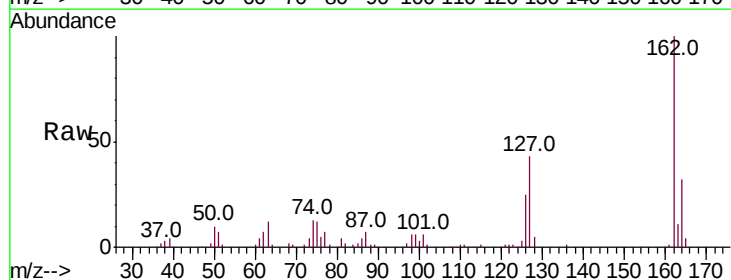
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

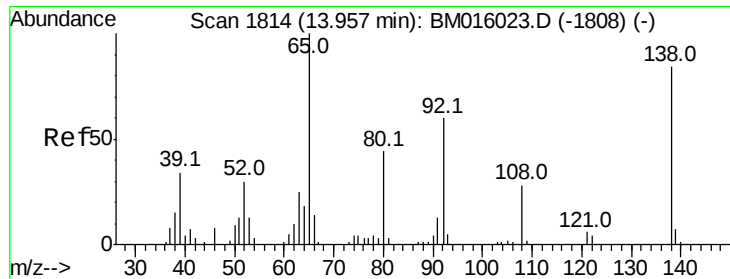
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.4	20.7	60.7
76	12.1	0.0	30.9



#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	Ratio	Lower	Upper
162	100		
127	43.4	26.9	40.3#
164	32.3	26.8	40.2

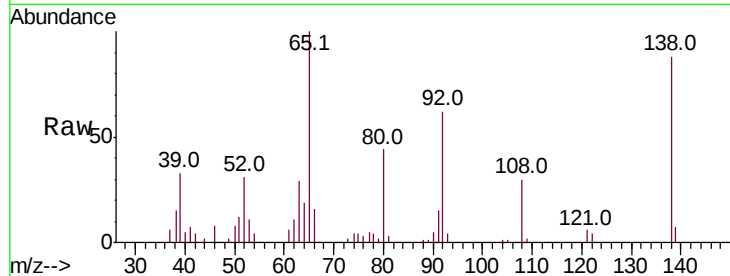




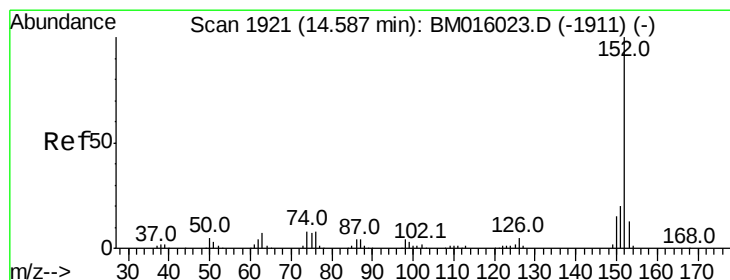
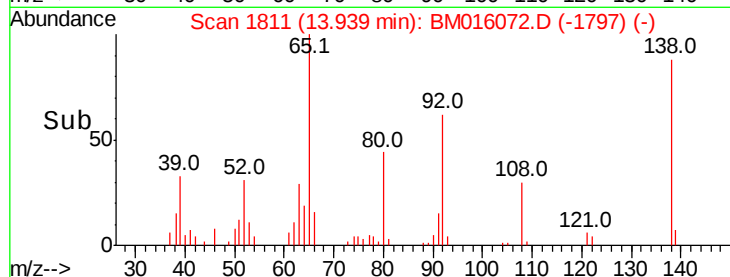
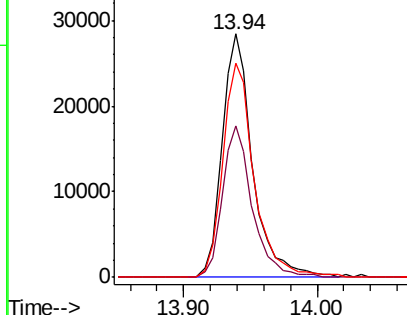
#47
2-Nitroaniline
Concen: 17.055 ng
RT: 13.94 min Scan# 1811
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

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

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

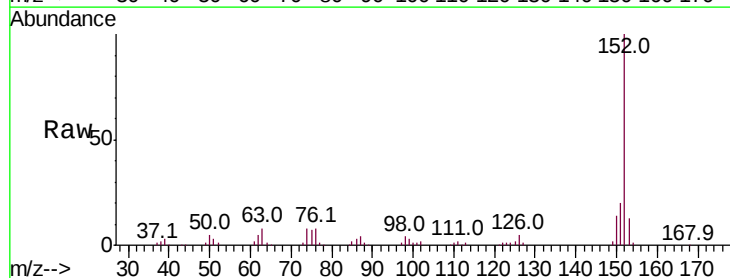


Abundance Ion 65.00 (64.70 to 65.70): BM016072.D (-1904) (-)
Ion 92.00 (91.70 to 92.70): BM016072.D (-1904) (-)
Ion 138.00 (137.70 to 138.70): BM016072.D (-1904) (-)

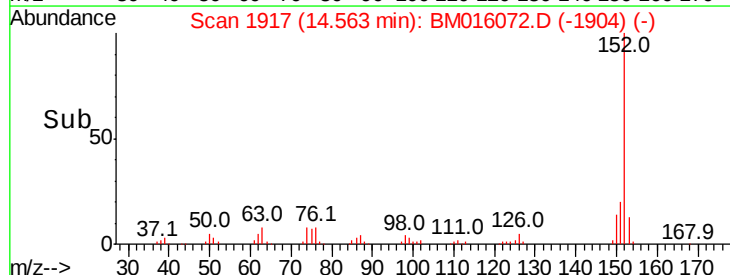
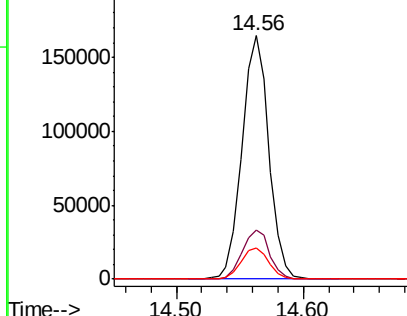


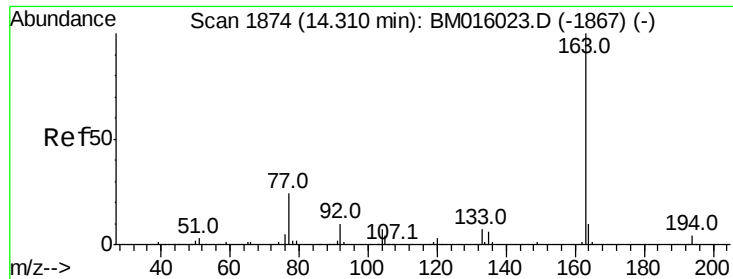
#48
Acenaphthylene
Concen: 20.399 ng
RT: 14.56 min Scan# 1917
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

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



Abundance Ion 152.00 (151.70 to 152.70): BM016072.D (-1904) (-)
Ion 151.00 (150.70 to 151.70): BM016072.D (-1904) (-)
Ion 153.00 (152.70 to 153.70): BM016072.D (-1904) (-)





#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

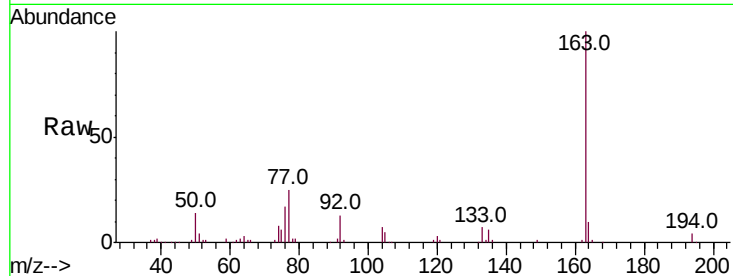
Tot Ion:163 Resp: 185859

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

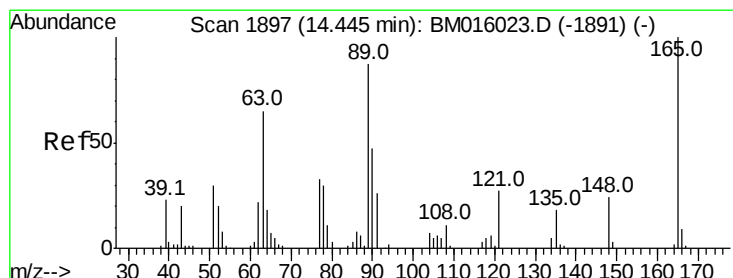
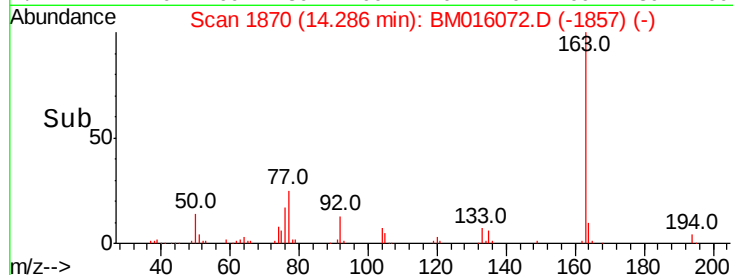
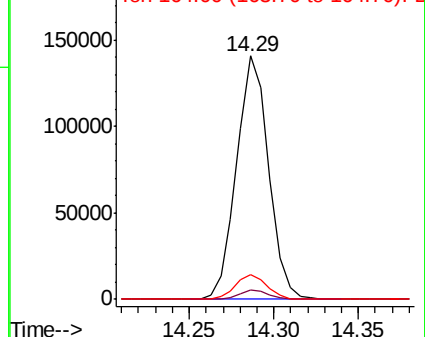
164 10.2 8.2 12.2



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

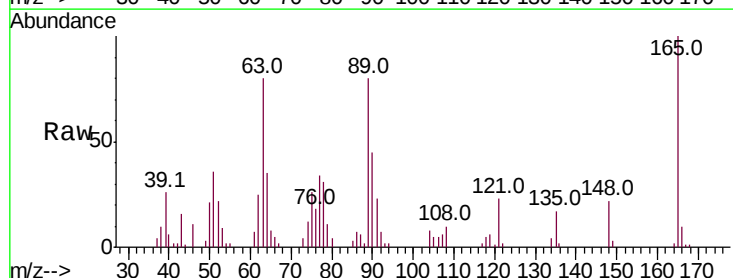
Tgt Ion:165 Resp: 36847

Ion Ratio Lower Upper

165 100

63 80.0 44.1 66.1#

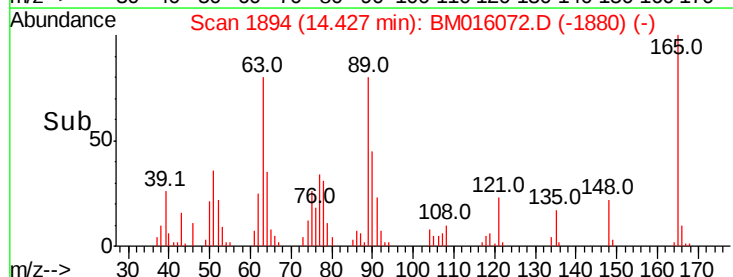
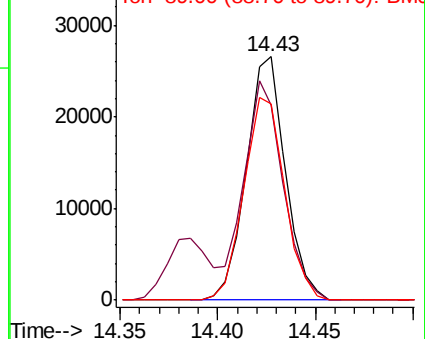
89 80.4 44.3 66.5#

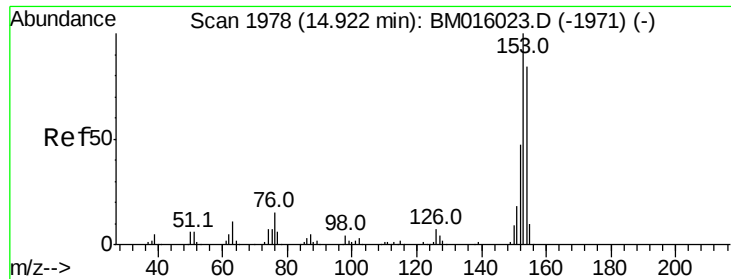


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BMC

Ion 89.00 (88.70 to 89.70): BMC





#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

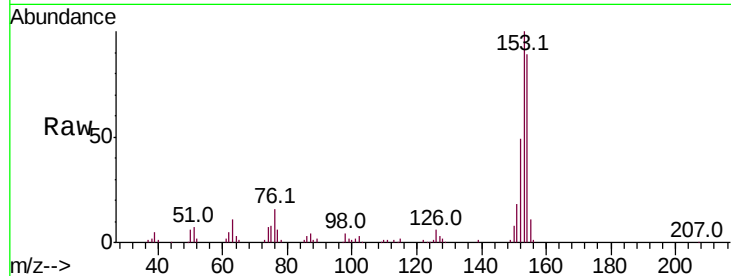
Tot Ion:154 Resp: 138529

Ion Ratio Lower Upper

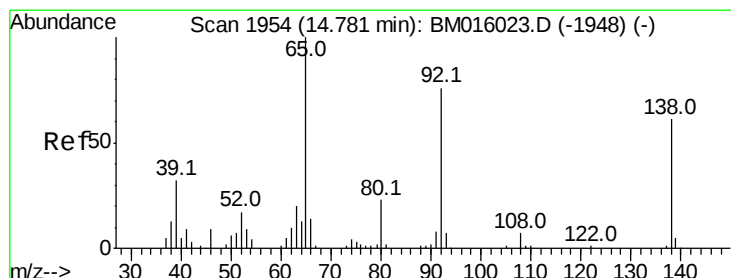
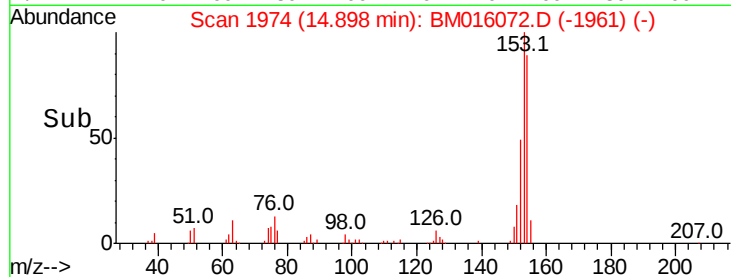
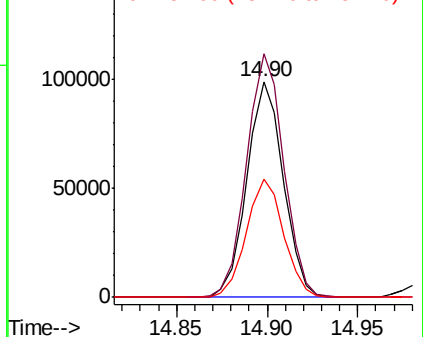
154 100

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

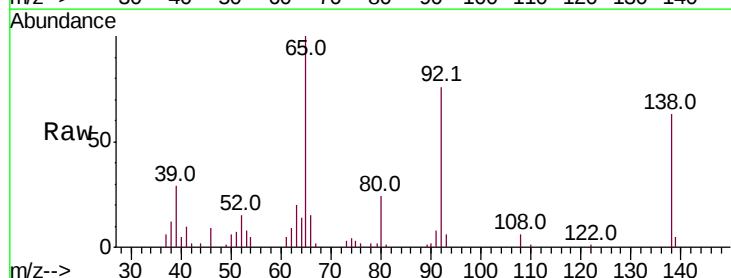
Tgt Ion:138 Resp: 29221

Ion Ratio Lower Upper

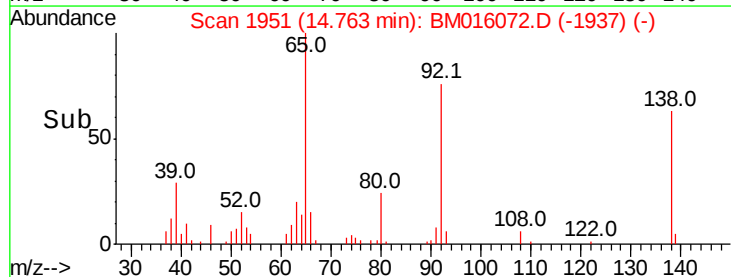
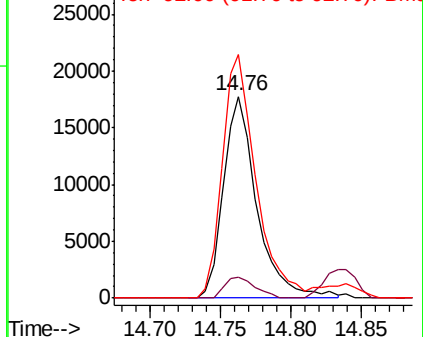
138 100

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

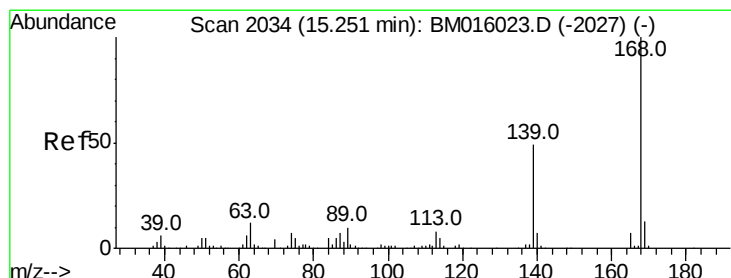
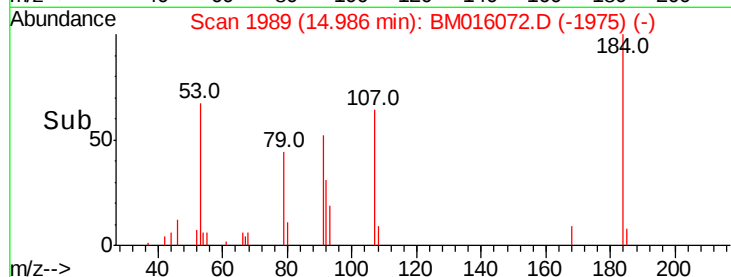
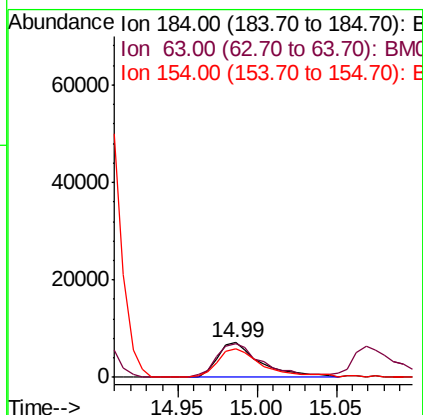
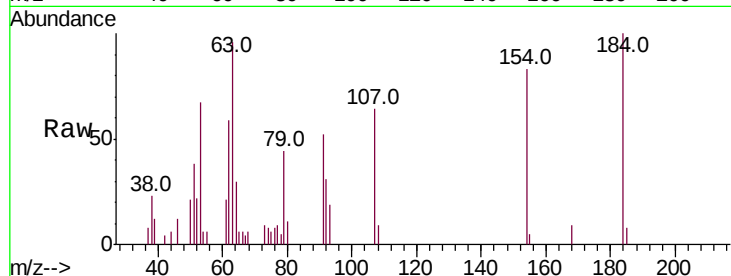




#53
2,4-Dinitrophenol
Concen: 20.270 ng
RT: 14.99 min Scan# 1989
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

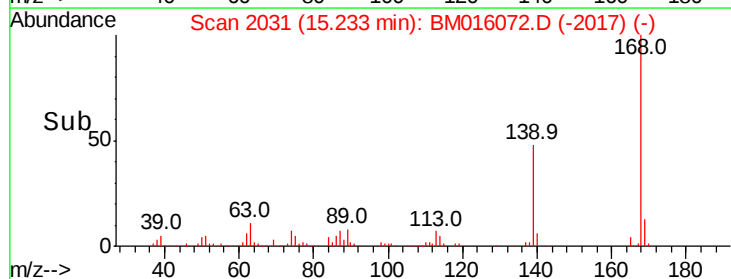
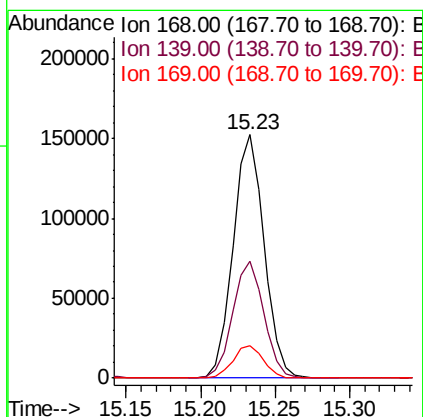
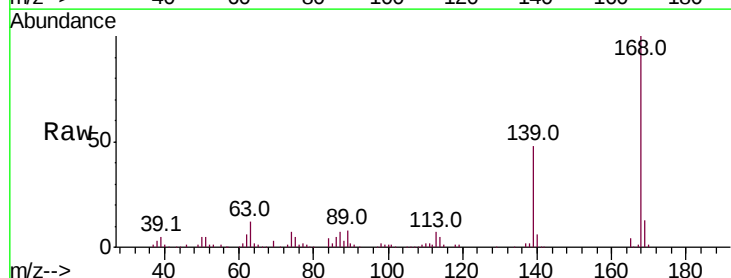
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

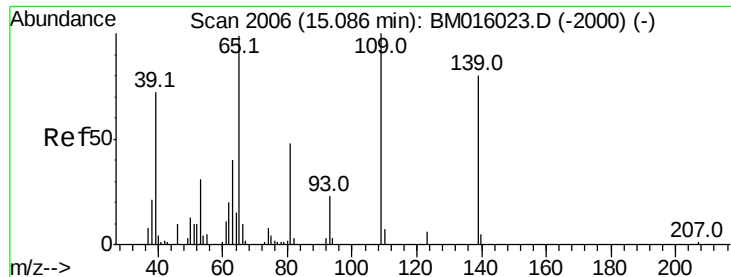
Tot Ion:184 Resp: 13306
Ion Ratio Lower Upper
184 100
63 95.6 69.2 103.8
154 82.5 53.3 79.9#



#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





#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

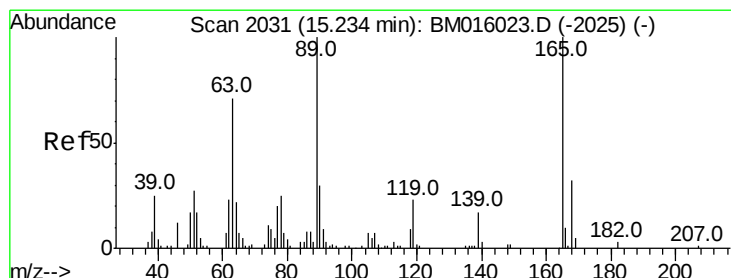
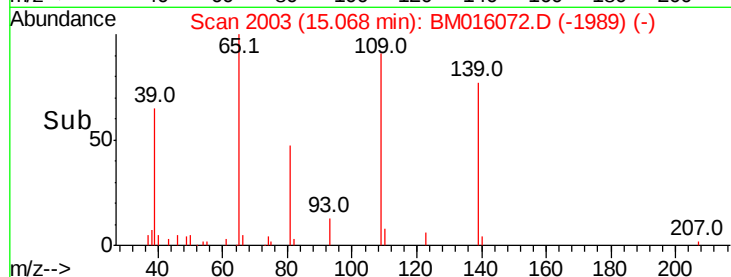
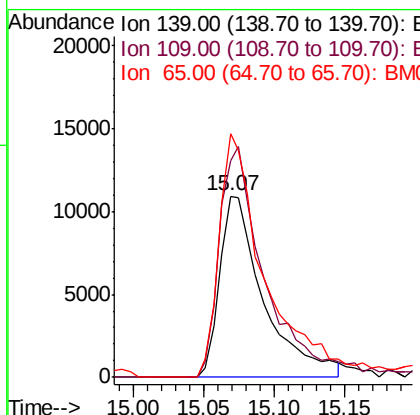
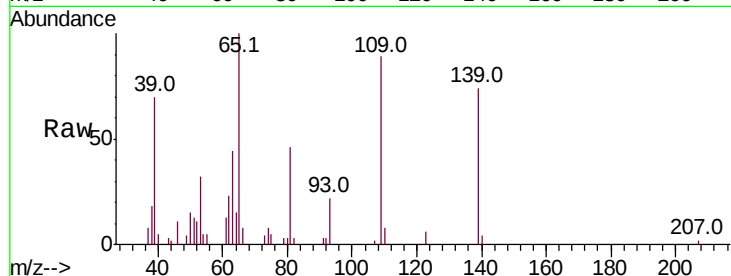
Tot Ion:139 Resp: 23712

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

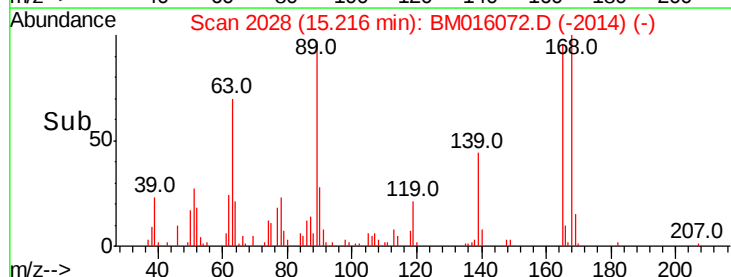
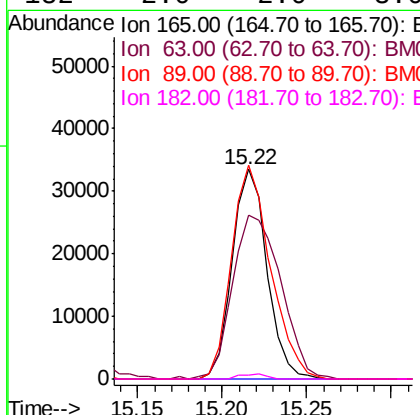
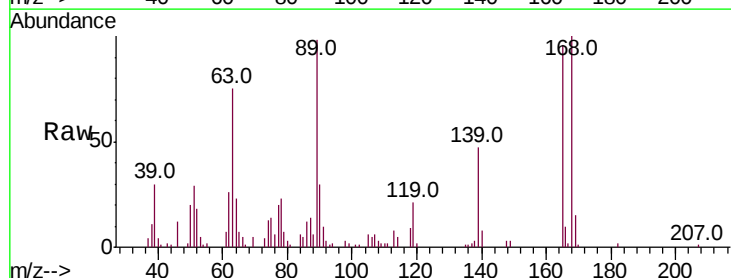
Ion Ratio Lower Upper

165 100

63 78.0 52.4 78.6

89 102.0 72.4 108.6

182 2.0 2.0 3.0

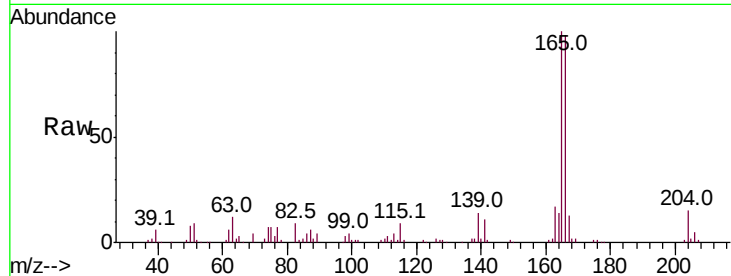




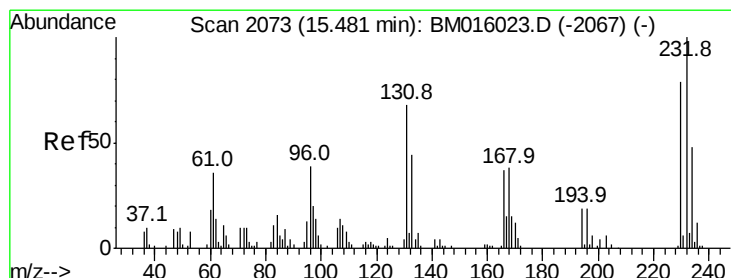
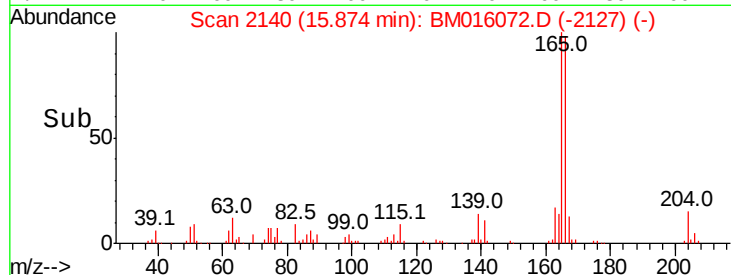
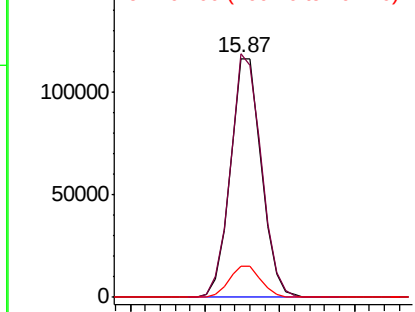
#57
Fluorene
Concen: 19.116 ng
RT: 15.87 min Scan# 2140
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

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

Tot Ion:166 Resp: 169903
Ion Ratio Lower Upper
166 100
165 102.0 79.0 118.4
167 13.2 10.3 15.5



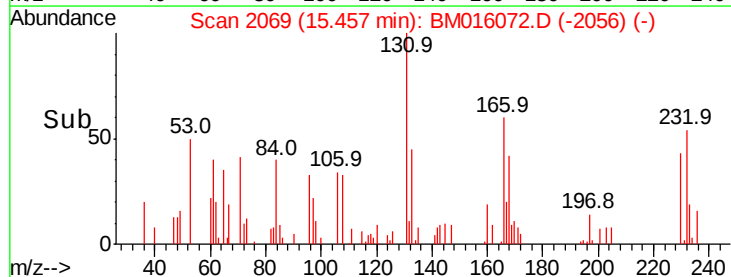
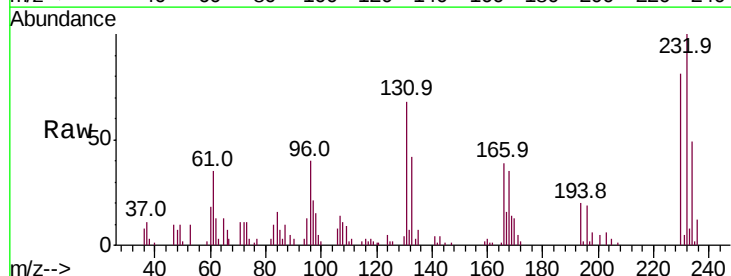
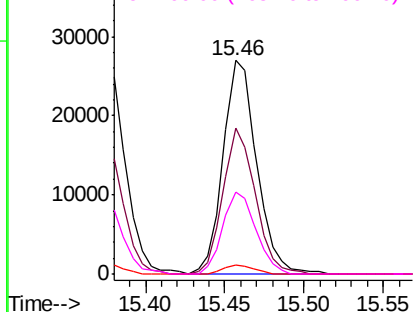
Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

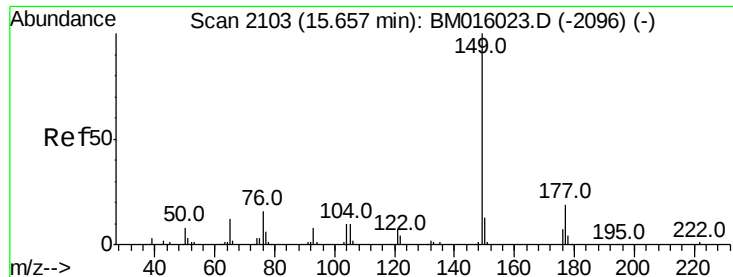


#58
2,3,4,6-Tetrachlorophenol
Concen: 18.371 ng
RT: 15.46 min Scan# 2069
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

Tgt Ion:232 Resp: 39846
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#

Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

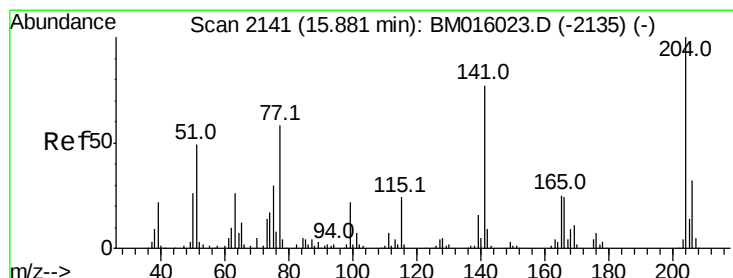
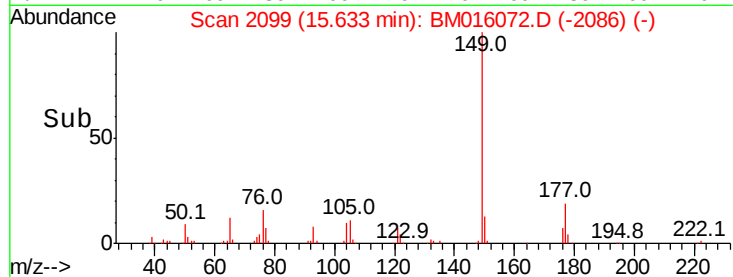
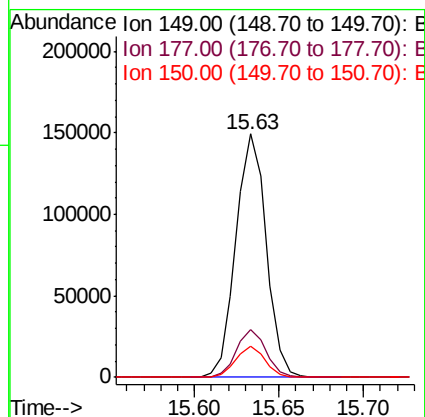
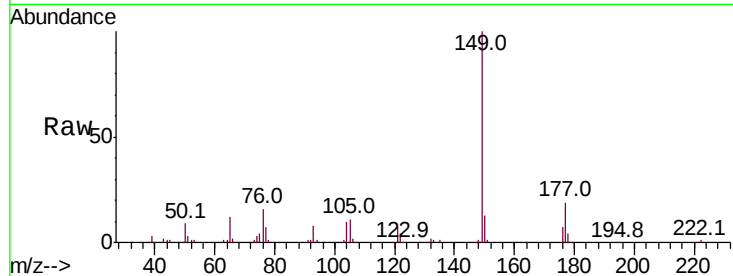




#59
Diethylphthalate
Concen: 17.255 ng
RT: 15.63 min Scan# 2099
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

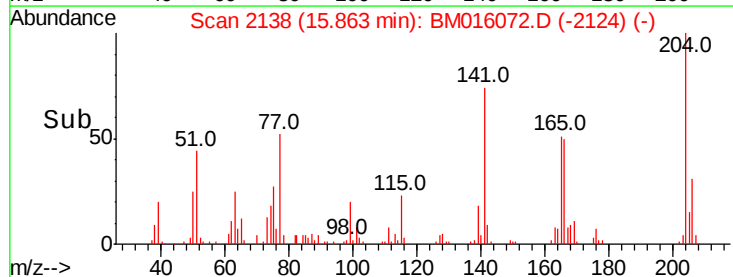
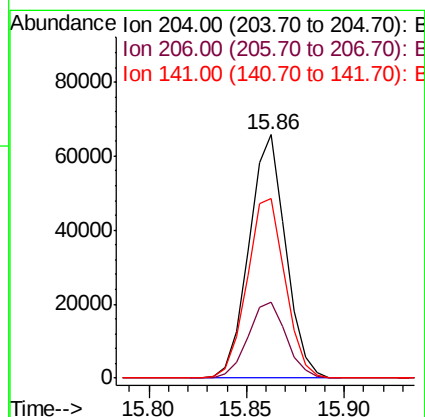
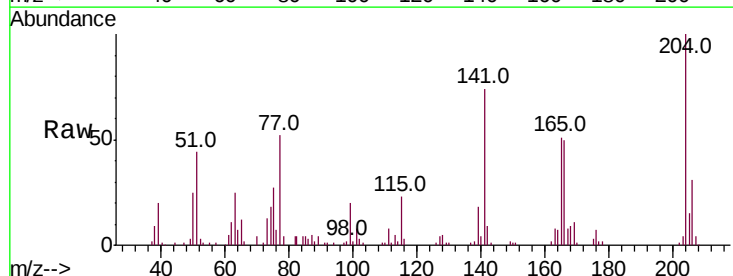
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

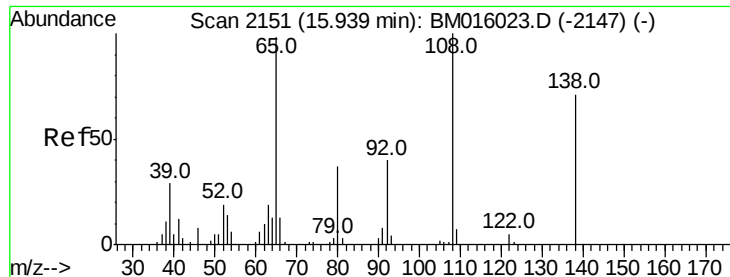
Tot Ion:149 Resp: 186936
Ion Ratio Lower Upper
149 100
177 19.5 18.3 27.5
150 12.6 9.8 14.8



#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#





#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

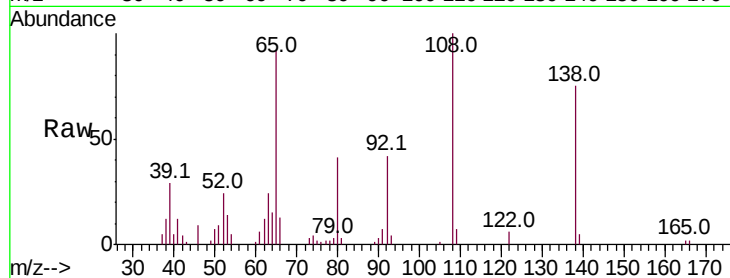
Tot Ion:138 Resp: 31052

Ion Ratio Lower Upper

138 100

92 56.6 16.7 56.7

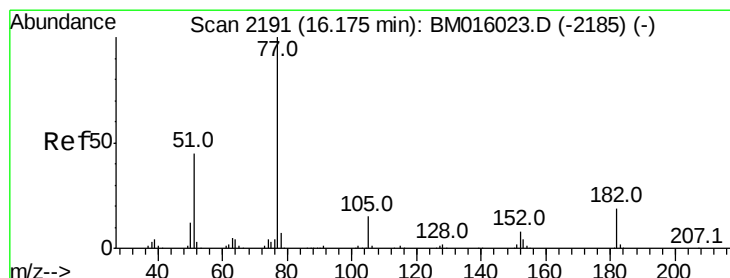
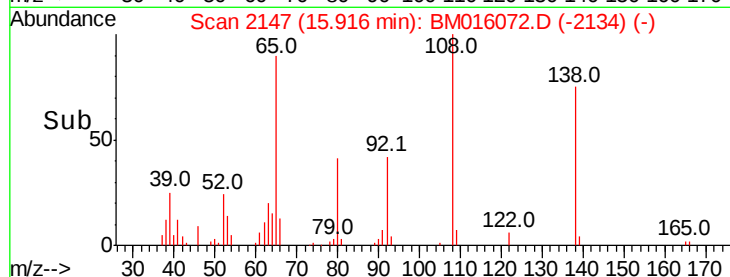
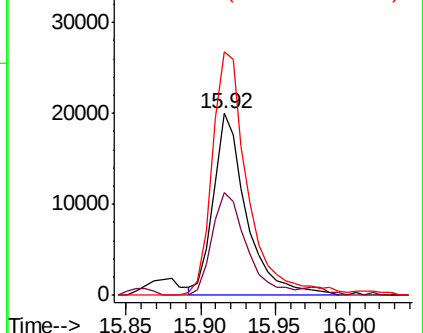
108 133.8 37.6 77.6#



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

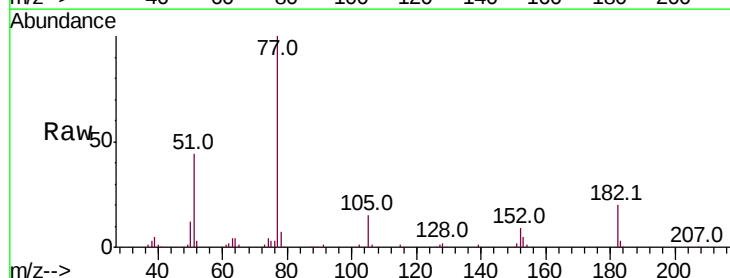
Ion Ratio Lower Upper

77 100

182 19.6 6.5 46.5

105 15.2 3.8 43.8

51 43.9 5.5 45.5

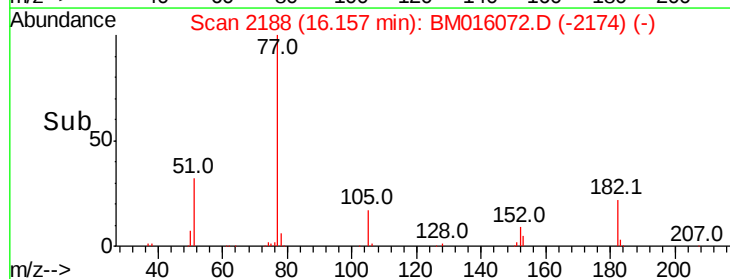
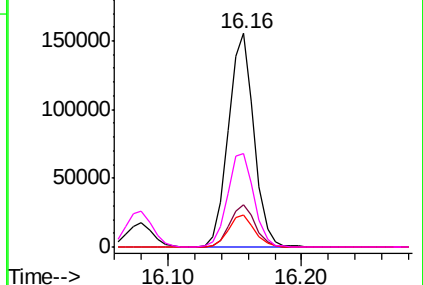


Abundance Ion 77.00 (76.70 to 77.70): BM

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

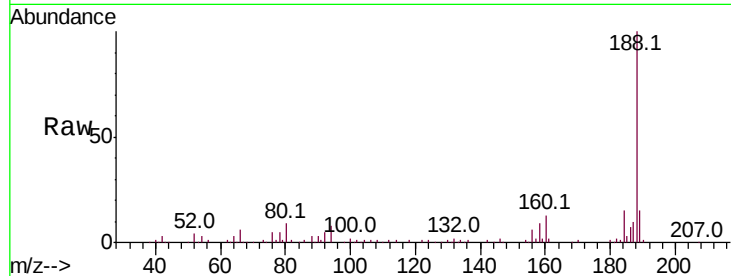
Tot Ion:188 Resp: 213577

Ion Ratio Lower Upper

188 100

94 7.5 8.7 13.1#

80 9.1 9.3 13.9#

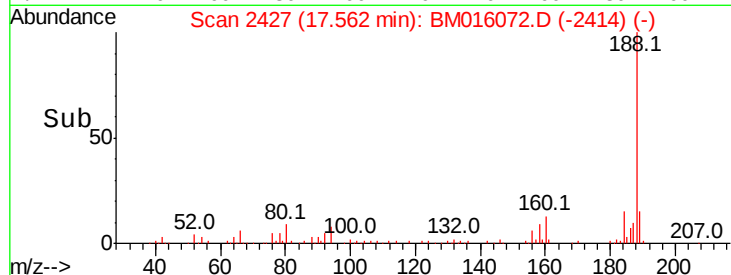


Abundance Ion 188.00 (187.70 to 188.70): E

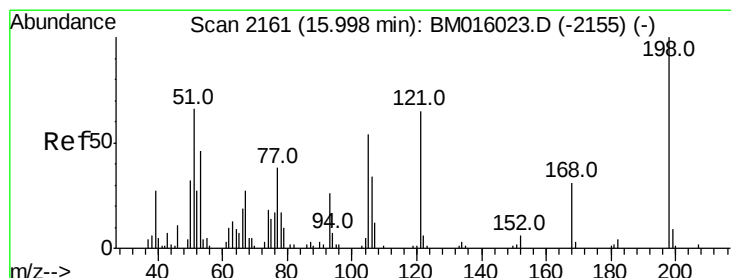
Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM

17.56



Time-->



#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

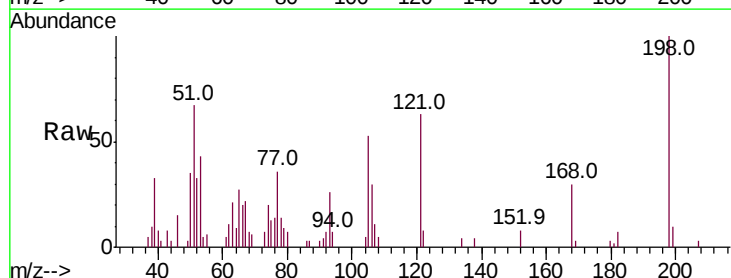
Tgt Ion:198 Resp: 22098

Ion Ratio Lower Upper

198 100

51 66.7 28.8 68.8

105 52.8 30.5 70.5

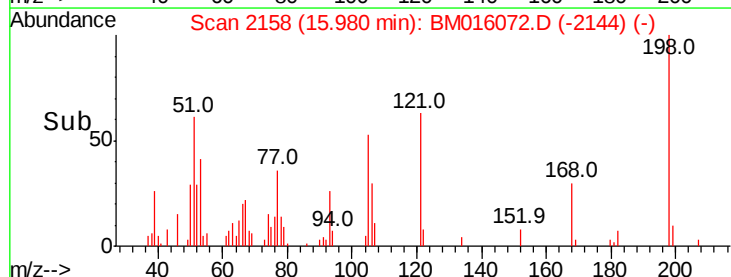


Abundance Ion 198.00 (197.70 to 198.70): E

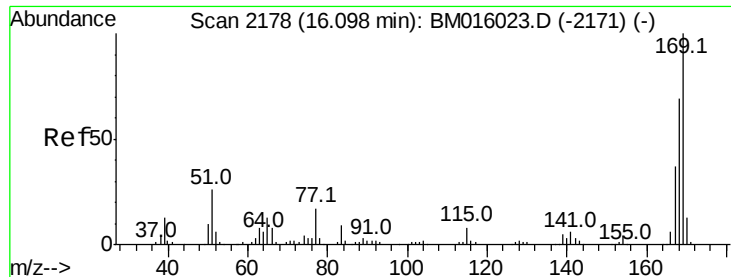
Ion 51.00 (50.70 to 51.70): BM

Ion 105.00 (104.70 to 105.70): E

15.98



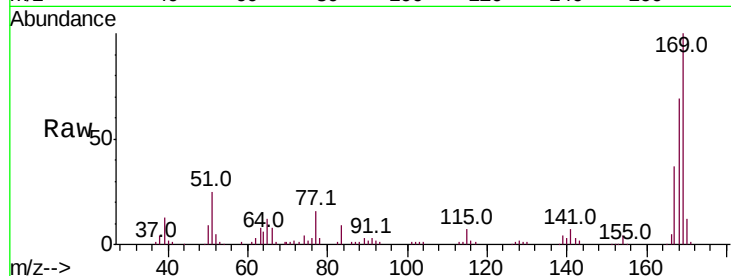
Time-->



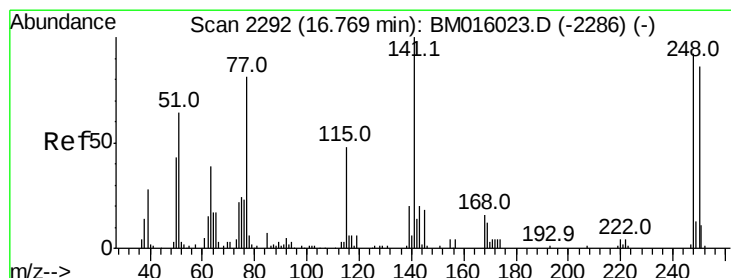
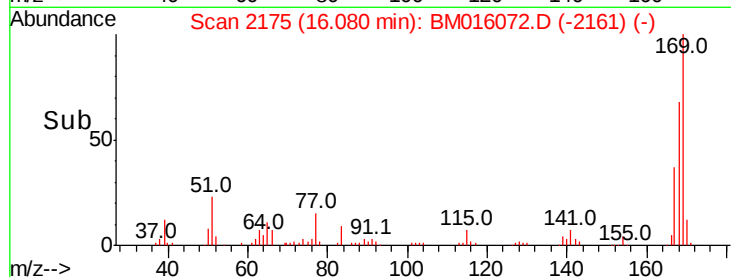
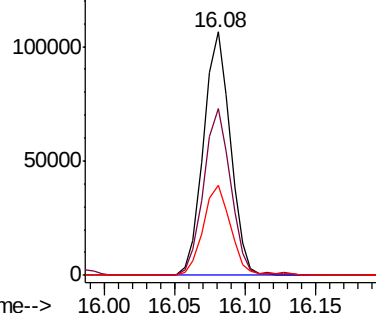
#65
 n-Nitrosodiphenylamine
 Concen: 20.114 ng
 RT: 16.08 min Scan# 2175
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

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

Tot Ion:169 Resp: 141457
 Ion Ratio Lower Upper
 169 100
 168 68.6 53.9 80.9
 167 37.2 28.9 43.3

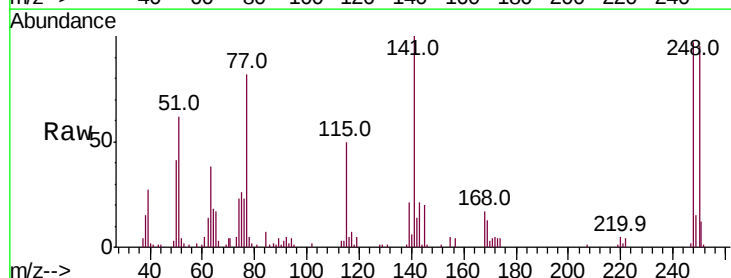


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

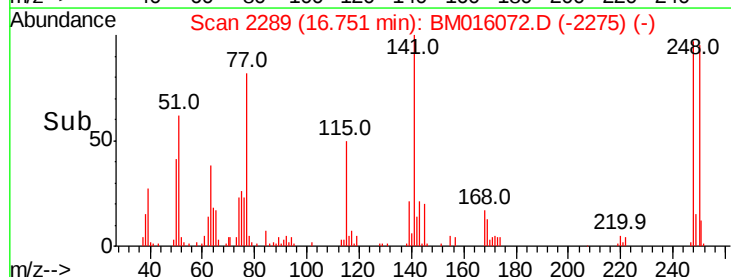
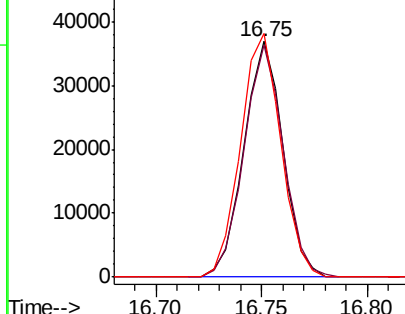


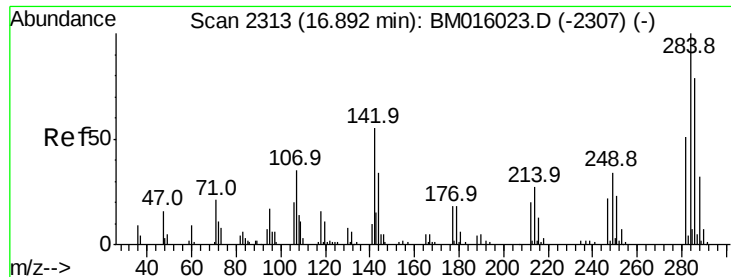
#66
 4-Bromophenyl-phenylether
 Concen: 19.566 ng
 RT: 16.75 min Scan# 2289
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

Tgt Ion:248 Resp: 47320
 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

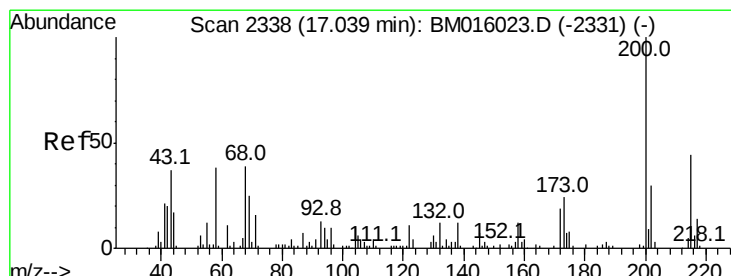
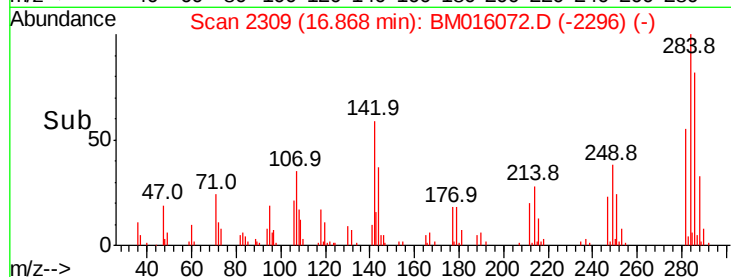
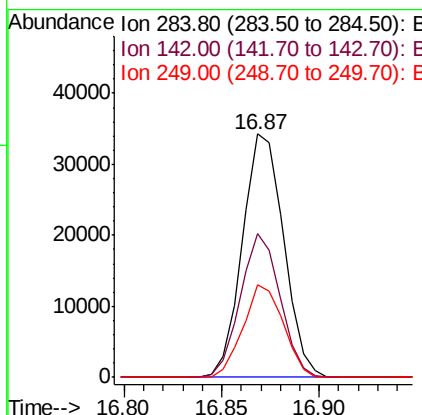
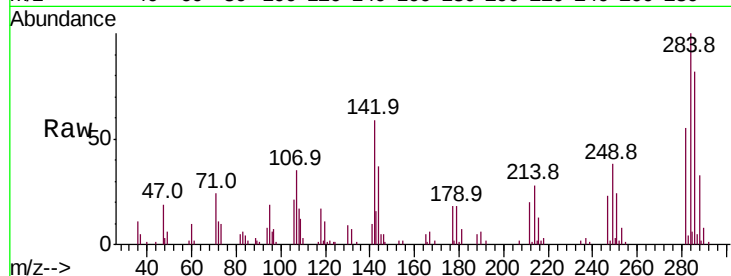




#67
Hexachlorobenzene
Concen: 18.887 ng
RT: 16.87 min Scan# 2309
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

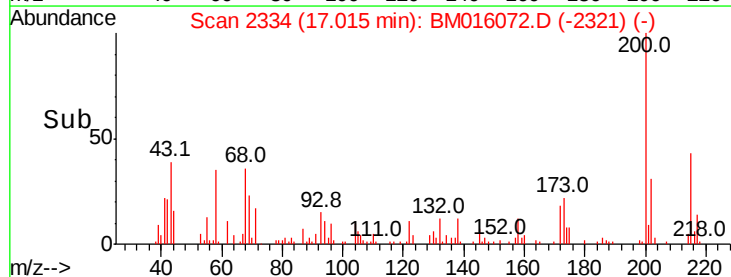
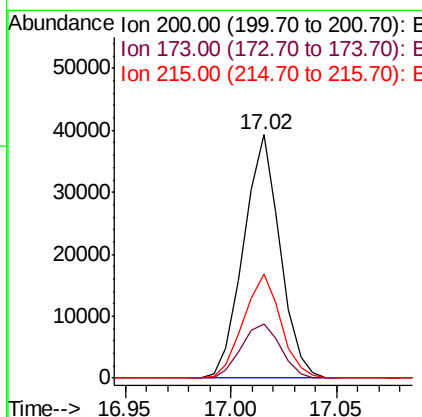
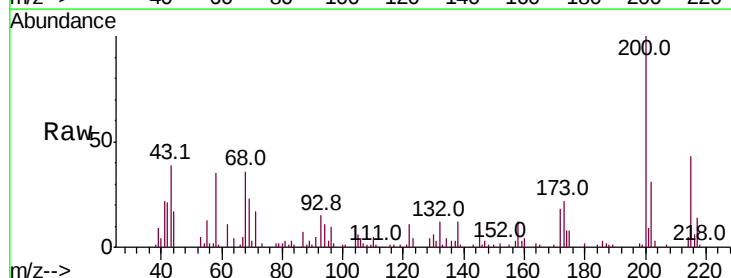
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

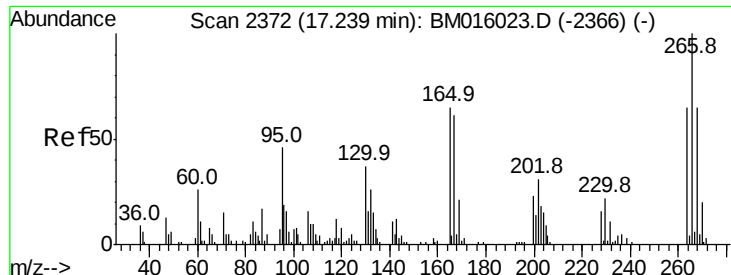
Tot Ion:284 Resp: 50300
Ion Ratio Lower Upper
284 100
142 59.2 20.4 30.6#
249 37.8 23.8 35.6#



#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





#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

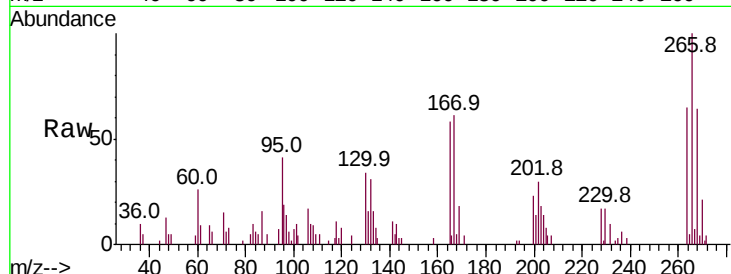
Tot Ion:266 Resp: 22244

Ion Ratio Lower Upper

266 100

268 64.5 52.0 78.0

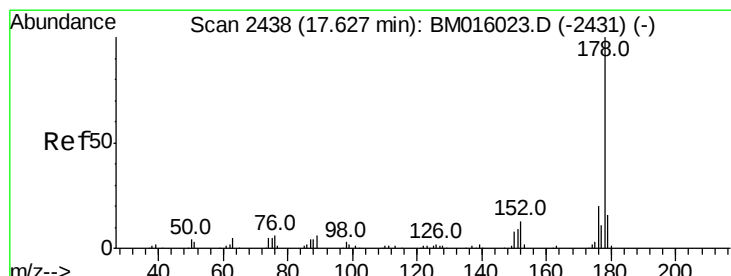
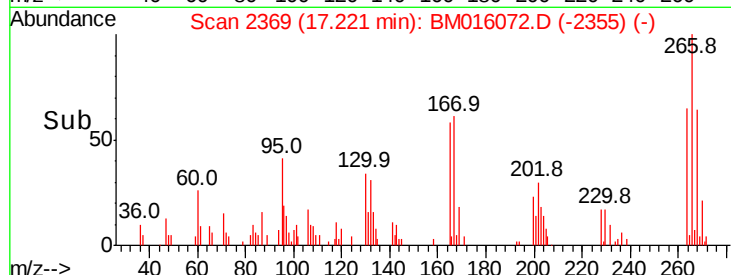
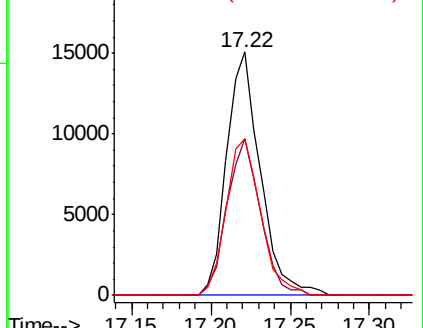
264 64.5 49.0 73.4



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

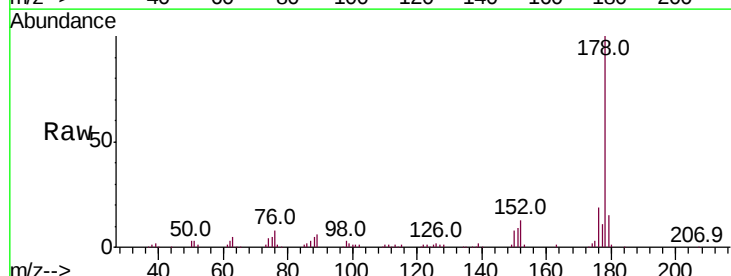
Tgt Ion:178 Resp: 240641

Ion Ratio Lower Upper

178 100

176 19.4 15.2 22.8

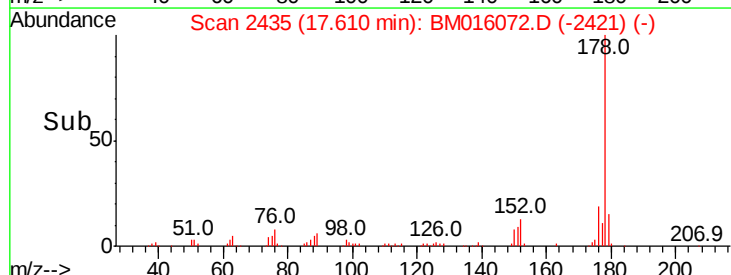
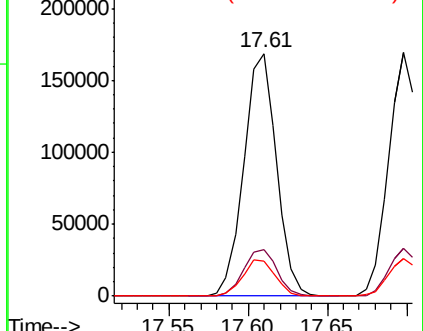
179 14.7 12.1 18.1

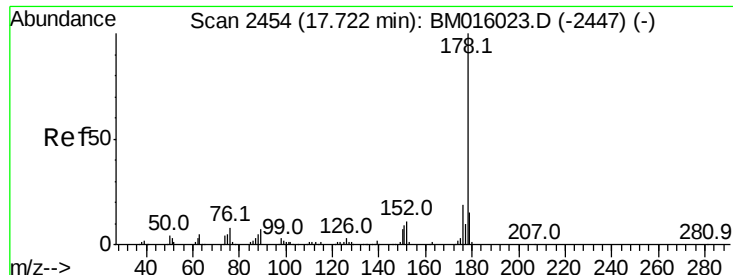


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

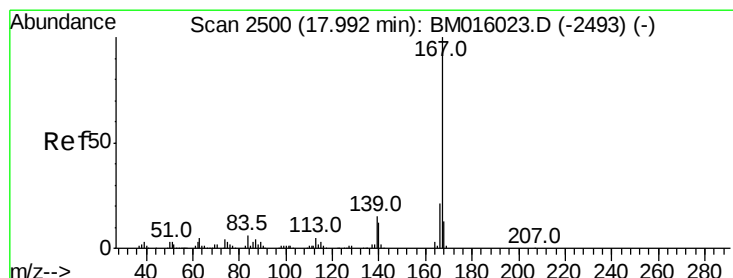
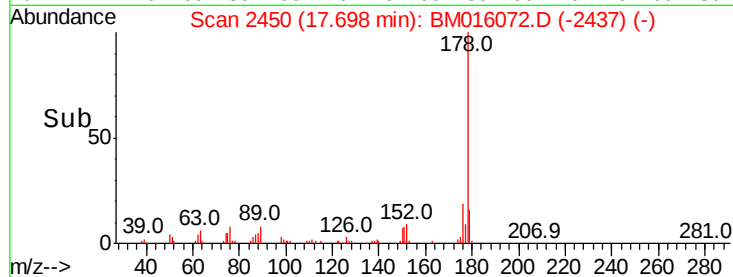
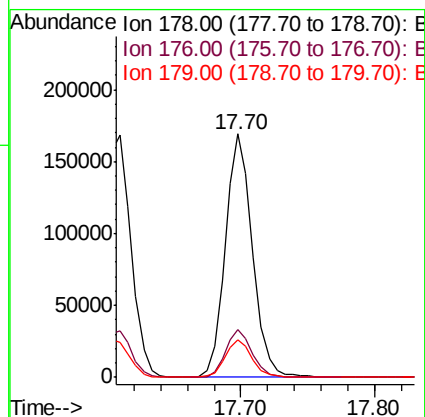
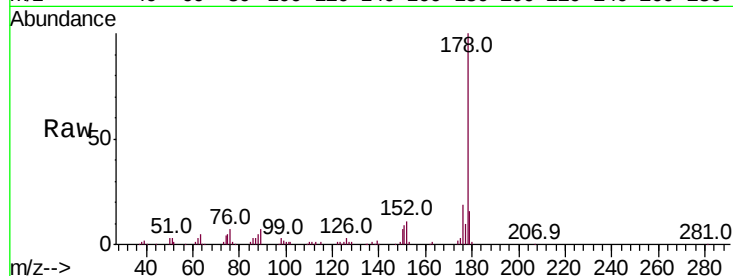




#71
 Anthracene
 Concen: 20.705 ng
 RT: 17.70 min Scan# 2450
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

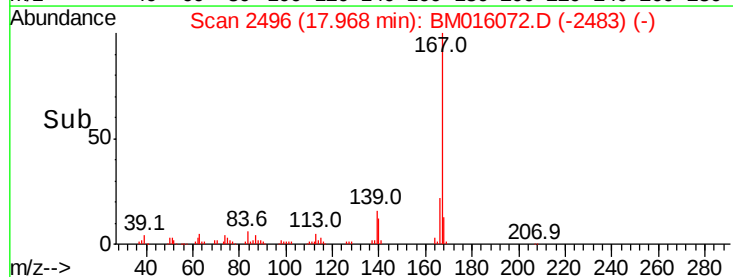
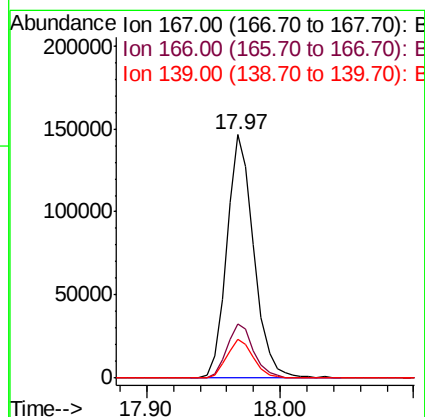
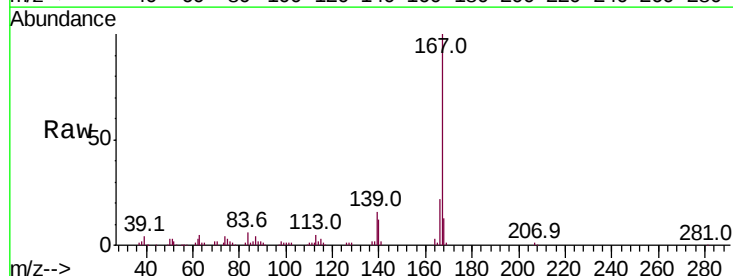
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

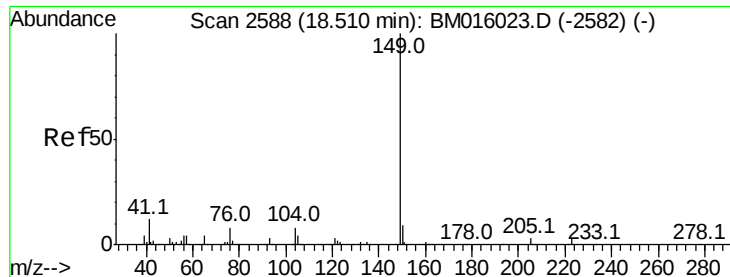
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	14.6	22.0
179	15.6	12.6	19.0



#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

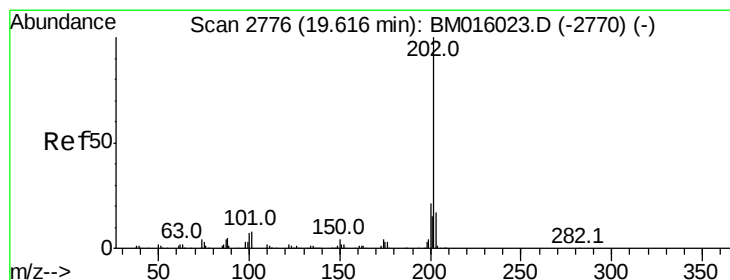
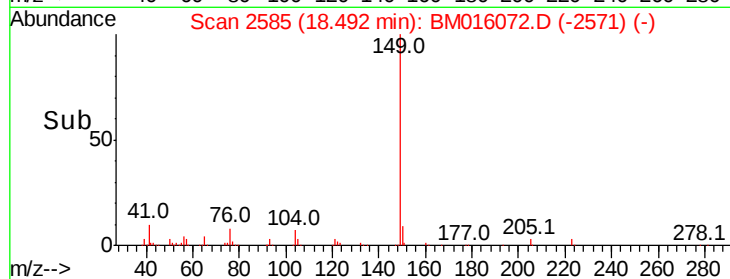
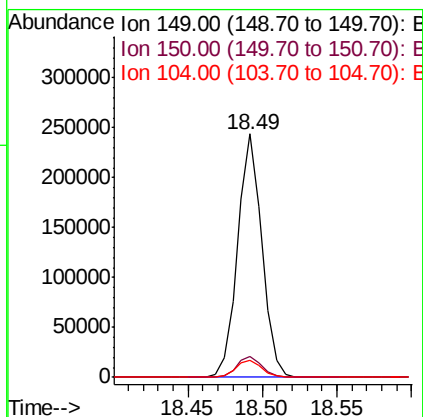
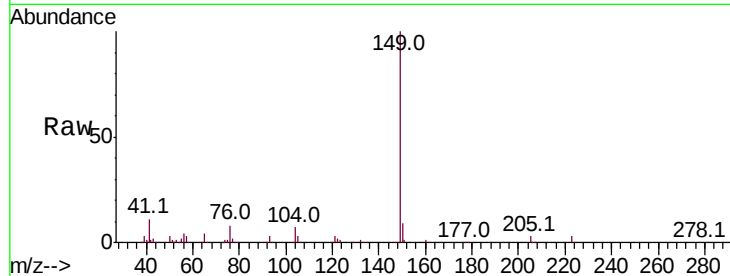




#73
Di-n-butylphthalate
Concen: 18.425 ng
RT: 18.49 min Scan# 2585
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

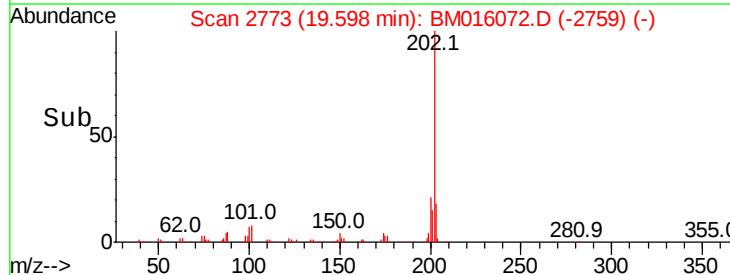
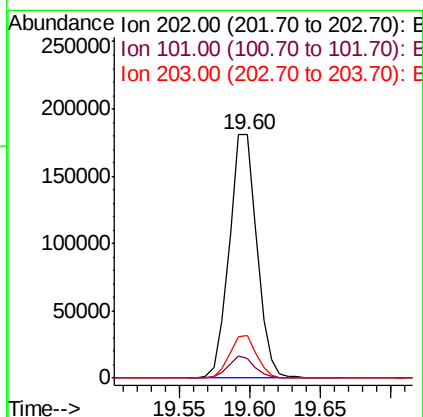
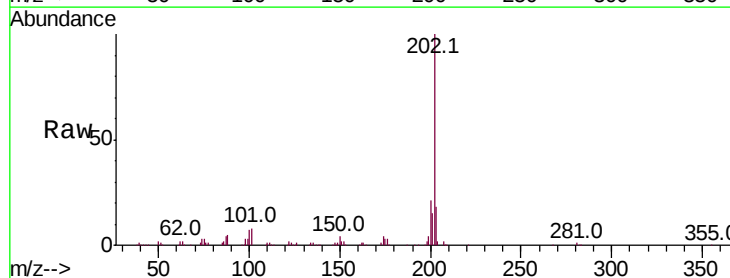
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

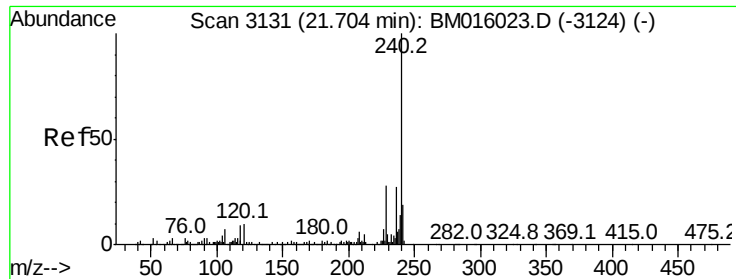
Tot Ion	Ratio	Lower	Upper
149	100		
150	8.6	7.5	11.3
104	7.0	3.7	5.5



#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	Ratio	Lower	Upper
202	100		
101	7.9	0.0	28.7
203	17.8	0.0	37.2





#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

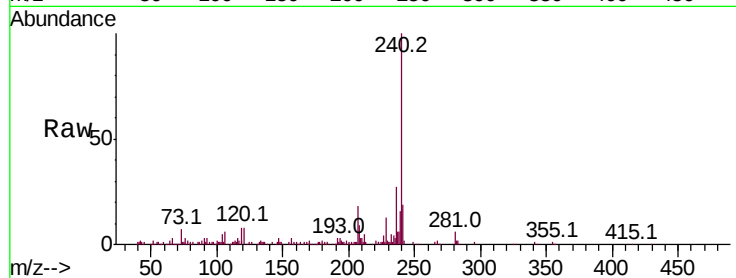
Tot Ion:240 Resp: 185010

Ion Ratio Lower Upper

240 100

120 8.4 8.2 12.2

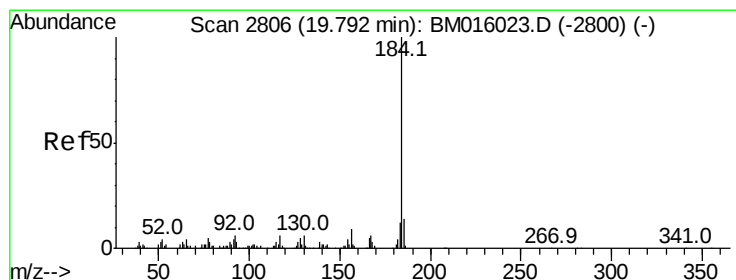
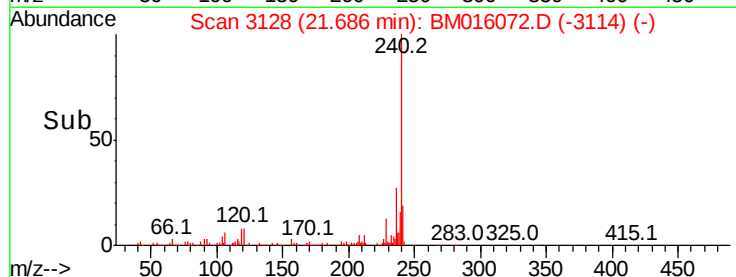
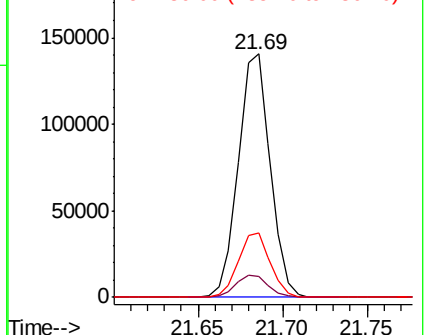
236 26.7 20.0 30.0



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

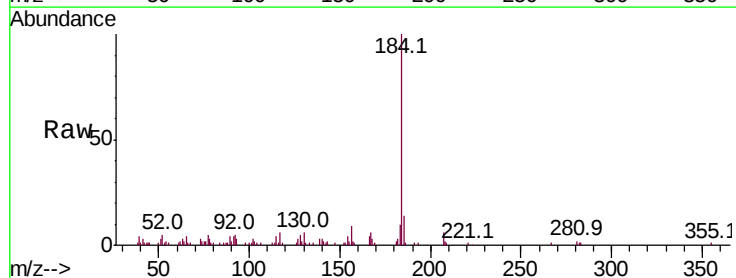
Tgt Ion:184 Resp: 83558

Ion Ratio Lower Upper

184 100

185 14.0 11.3 16.9

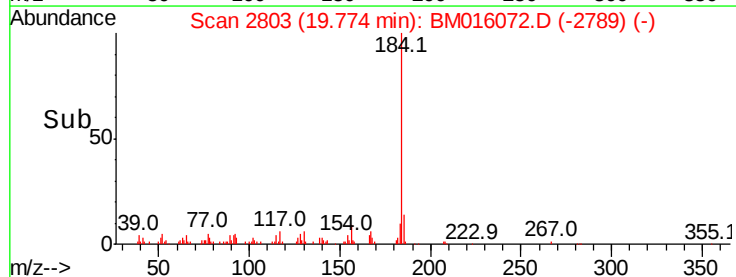
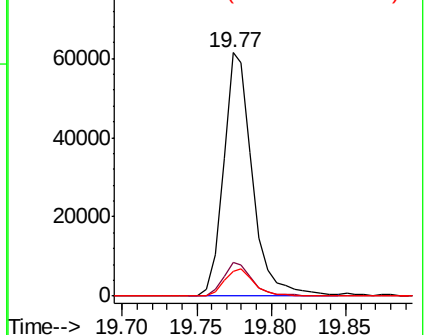
183 10.3 8.9 13.3

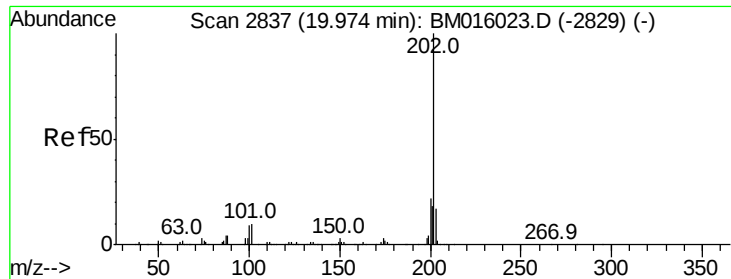


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

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

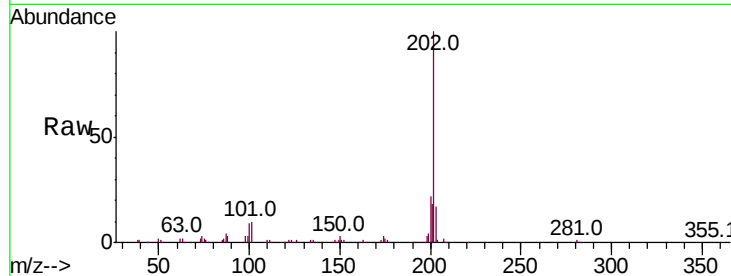
Tot Ion:202 Resp: 249680

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

250000

200000

150000

100000

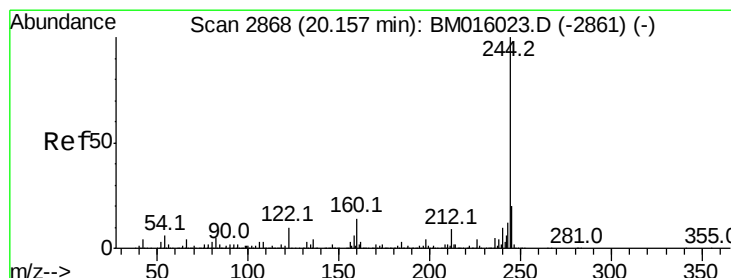
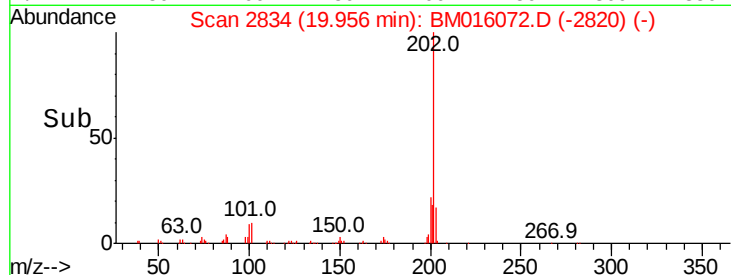
50000

0

19.96

19.90 19.95 20.00

Time-->



#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

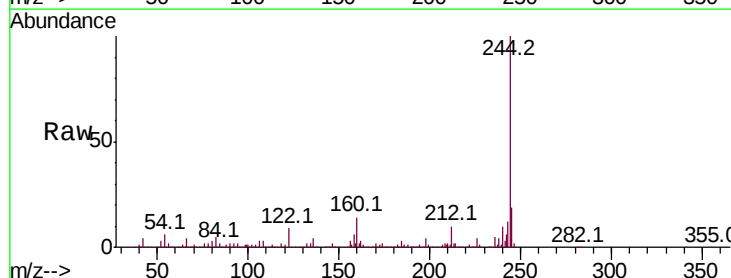
Tgt Ion:244 Resp: 898144

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

1000000

800000

600000

400000

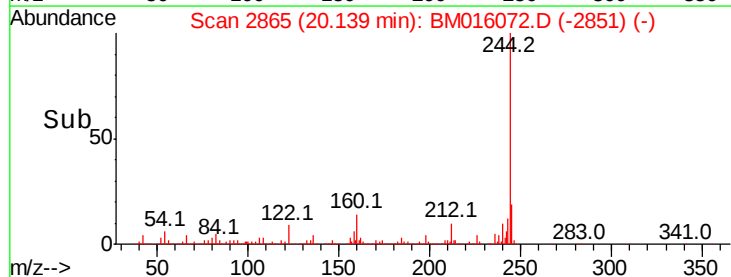
200000

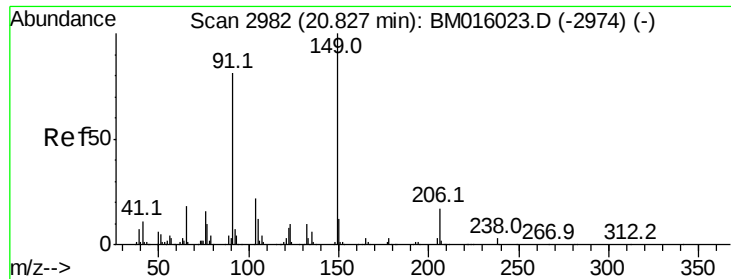
0

20.14

20.10 20.15 20.20

Time-->

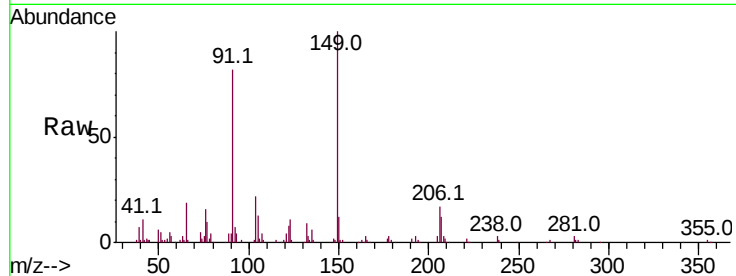




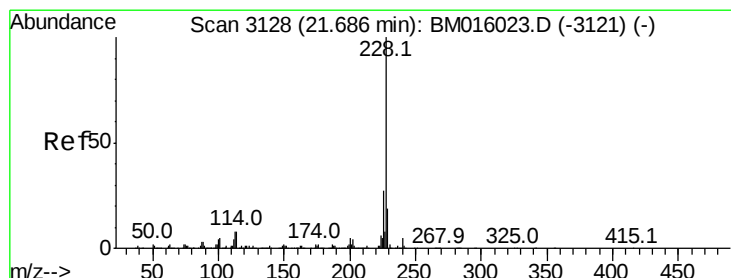
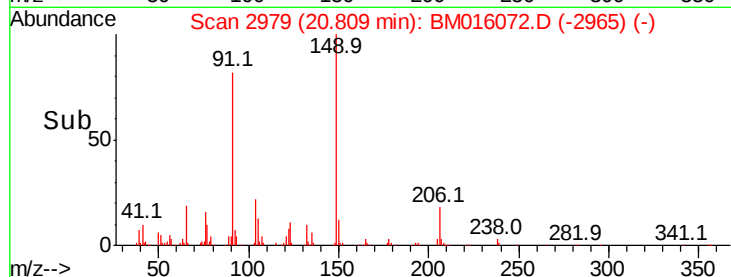
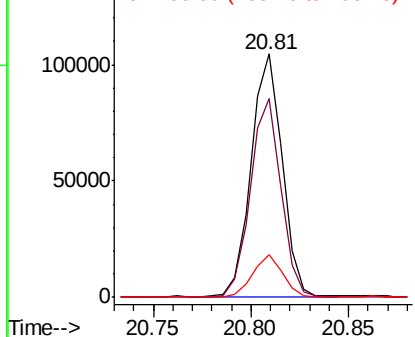
#79
Butylbenzylphthalate
Concen: 20.605 ng
RT: 20.81 min Scan# 2979
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

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

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

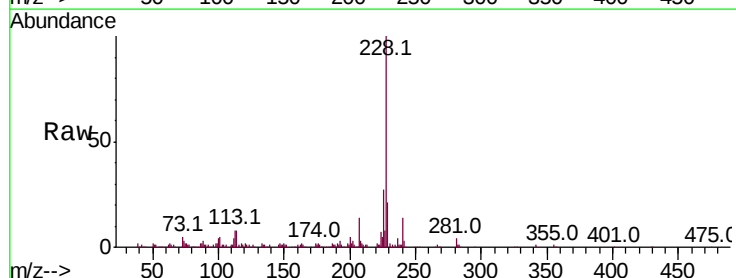


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BM0
Ion 206.00 (205.70 to 206.70): E

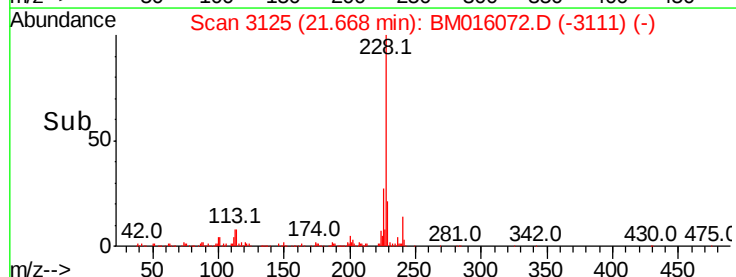
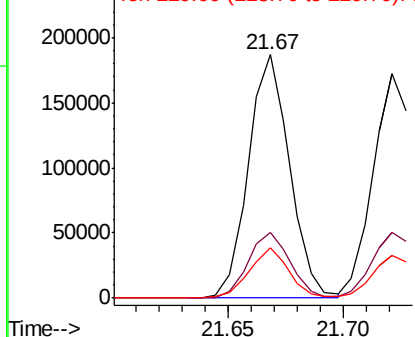


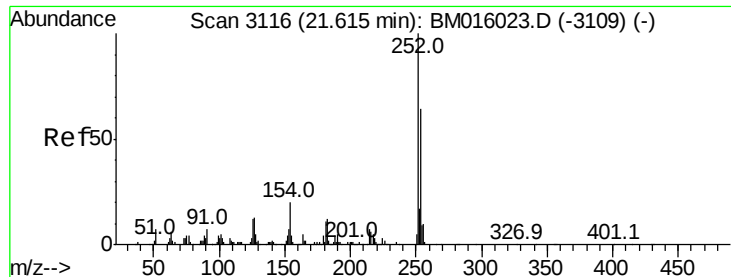
#80
Benzo(a)anthracene
Concen: 20.418 ng
RT: 21.67 min Scan# 3125
Delta R.T. -0.02 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

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

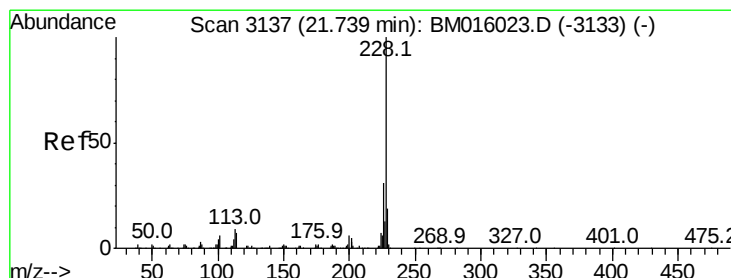
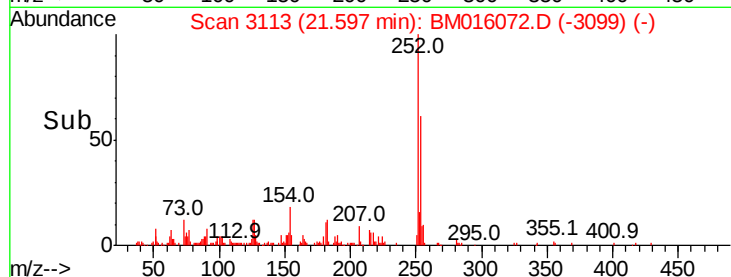
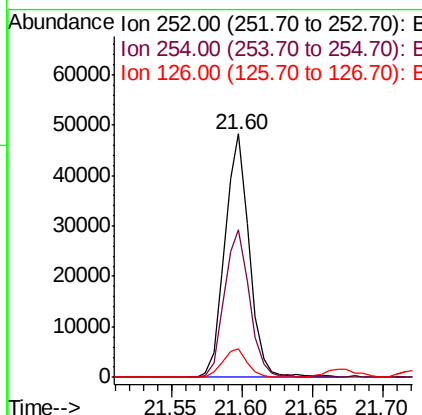
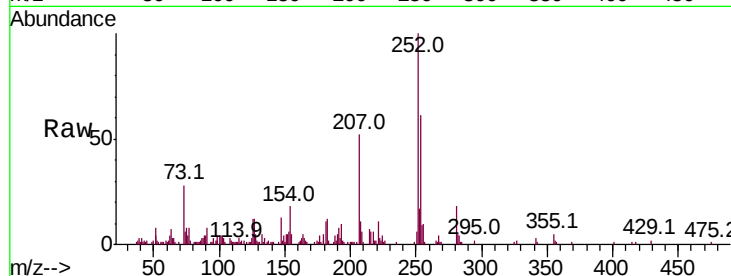




#81
 3,3'-Dichlorobenzidine
 Concen: 12.613 ng
 RT: 21.60 min Scan# 3113
 Delta R.T. -0.02 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

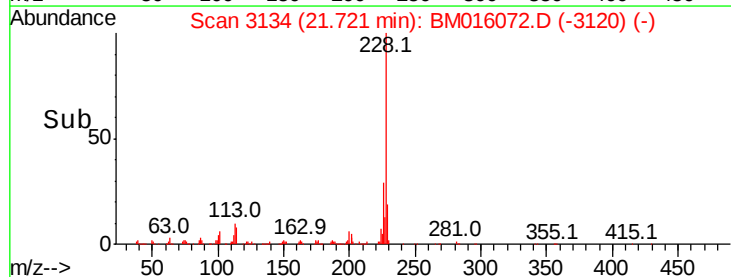
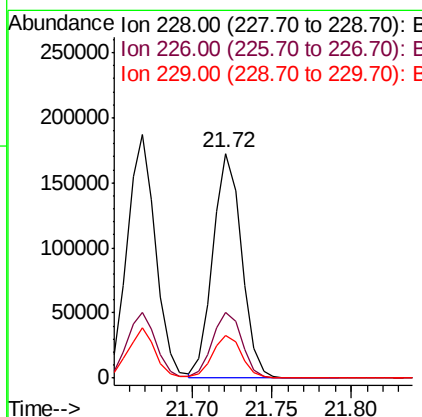
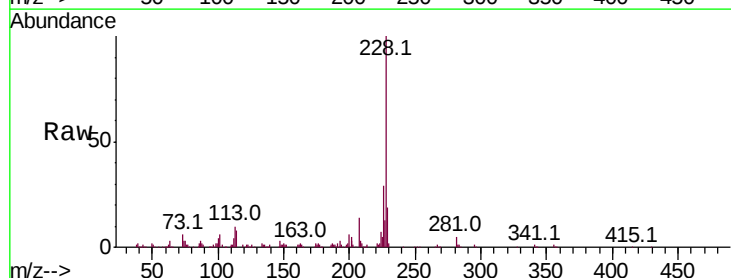
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

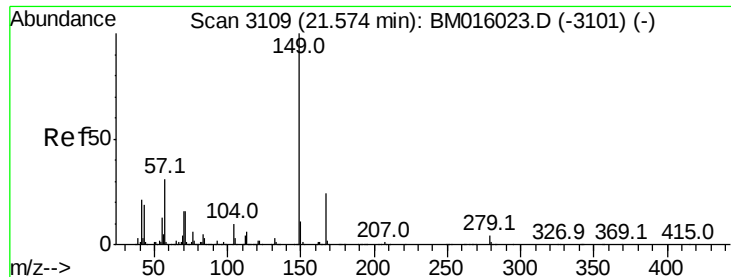
Tot Ion	Ratio	Lower	Upper
252	100		
254	60.6	51.9	77.9
126	11.7	9.8	14.8



#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

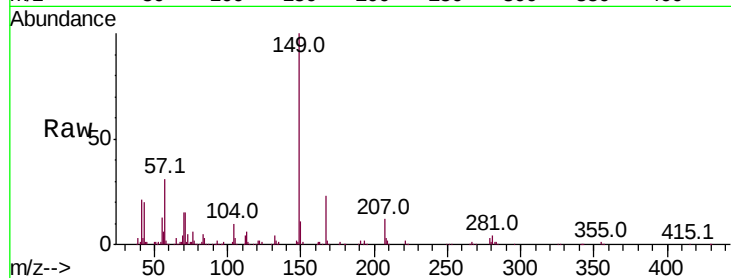
Tot Ion:149 Resp: 190157

Ion Ratio Lower Upper

149 100

167 23.4 22.4 33.6

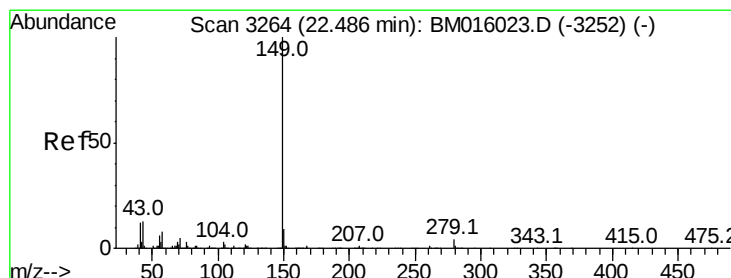
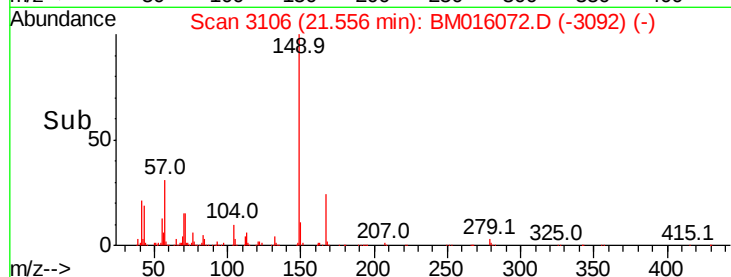
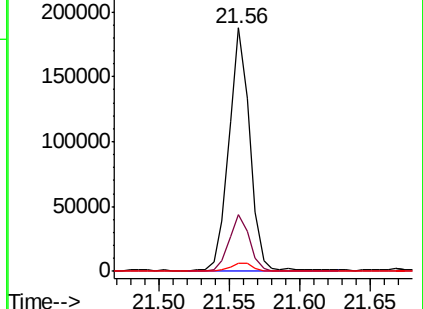
279 3.2 3.4 5.0#



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

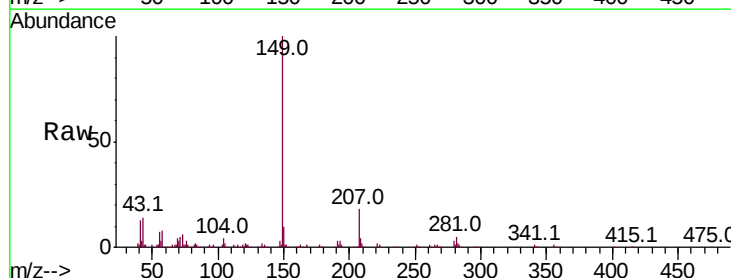
Tgt Ion:149 Resp: 257449

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

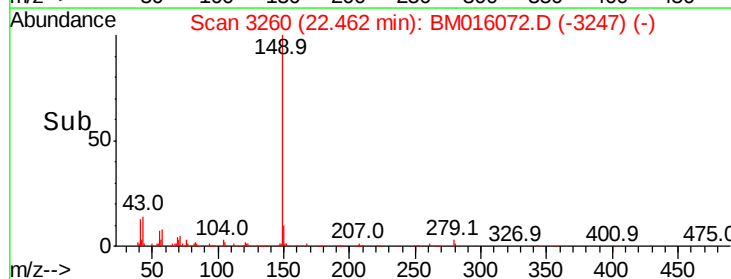
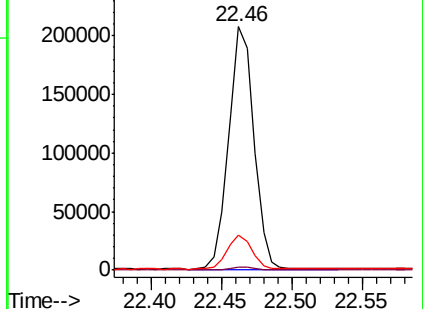
43 13.7 7.3 10.9#



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

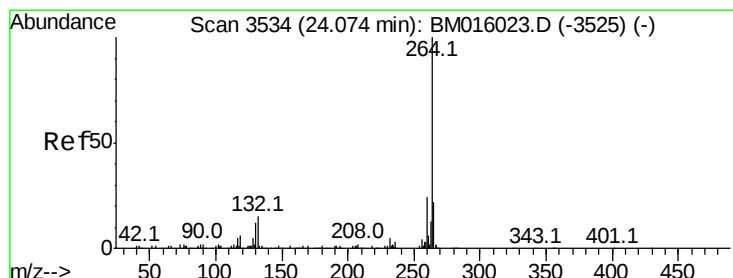
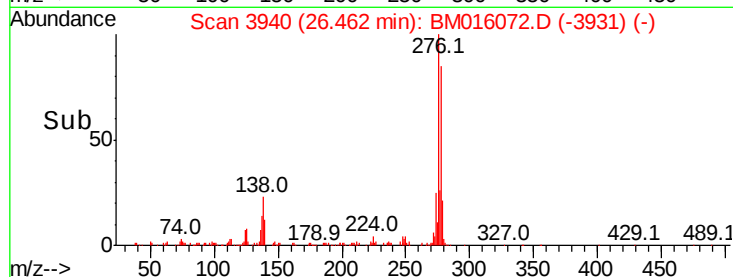
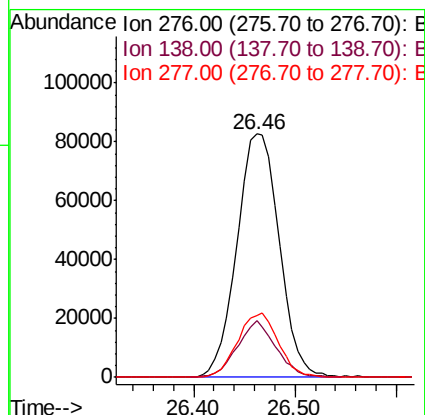
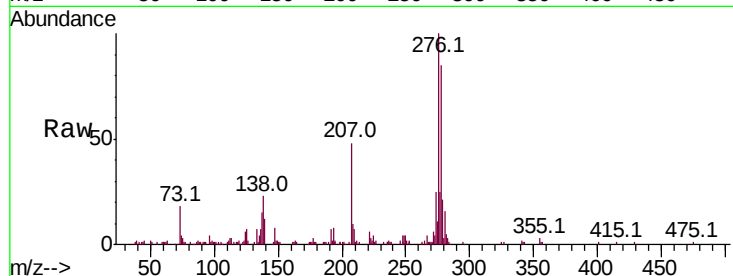




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 18.525 ng
 RT: 26.46 min Scan# 3940
 Delta R.T. -0.05 min
 Lab File: BM016072.D
 Acq: 25 Jul 2018 13:38

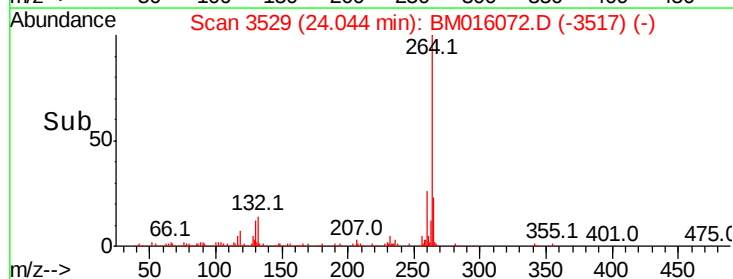
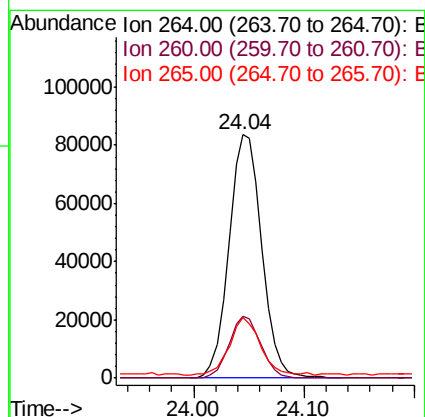
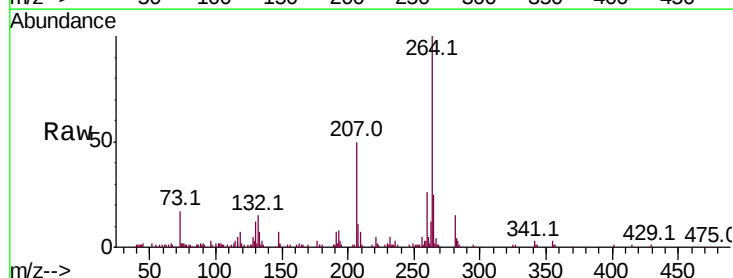
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

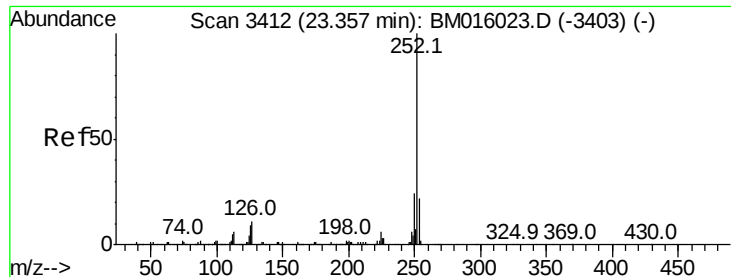
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.2	12.0	18.0#
277	25.2	20.0	30.0



#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

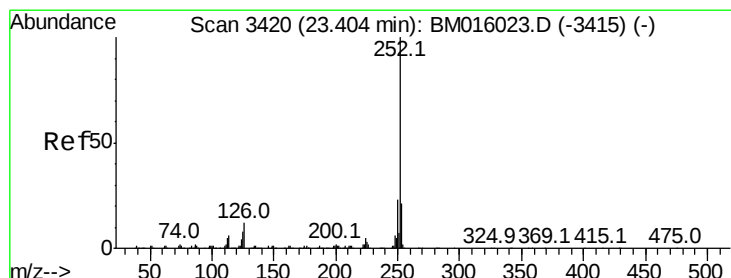
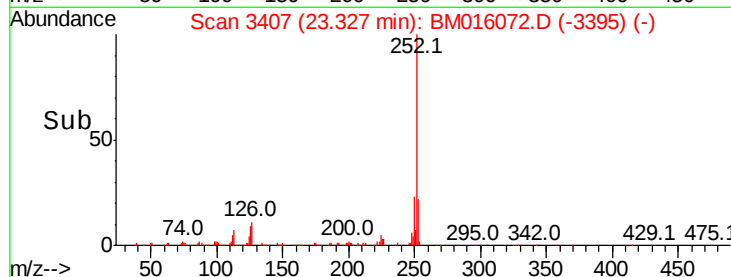
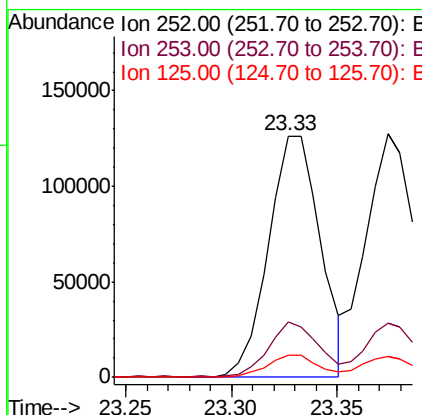
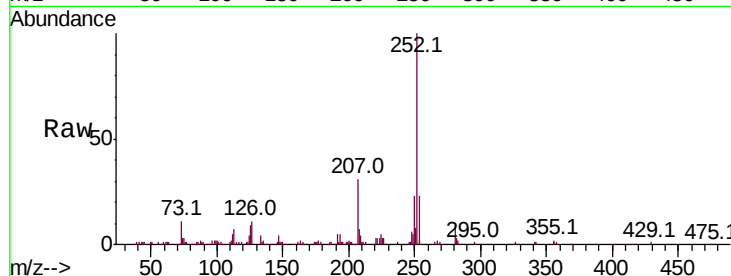




#87
Benzo(b)fluoranthene
Concen: 21.186 ng
RT: 23.33 min Scan# 3407
Delta R.T. -0.03 min
Lab File: BM016072.D
Acq: 25 Jul 2018 13:38

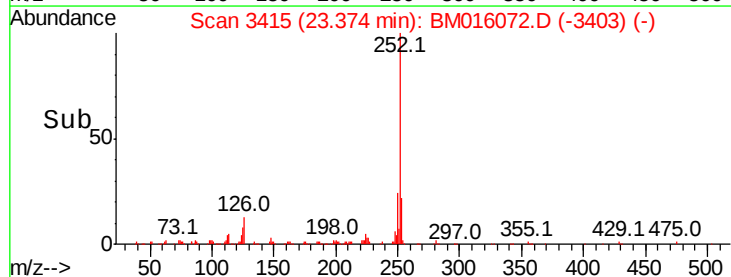
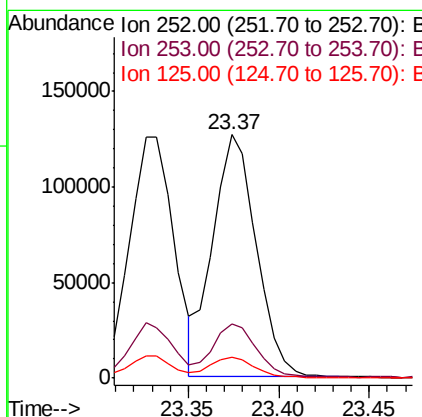
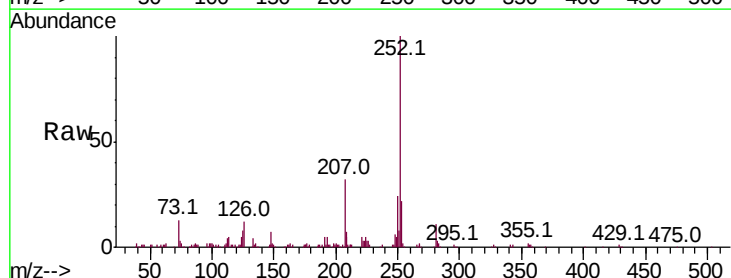
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2018

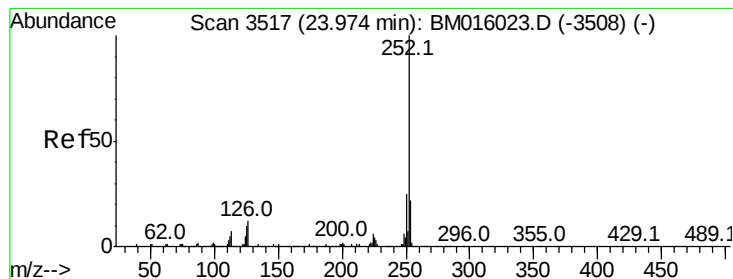
Tot Ion:252 Resp: 217217
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 9.2 9.9 14.9#



#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

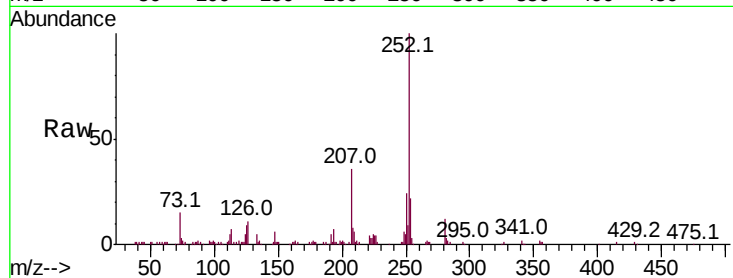
Tot Ion:252 Resp: 206140

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

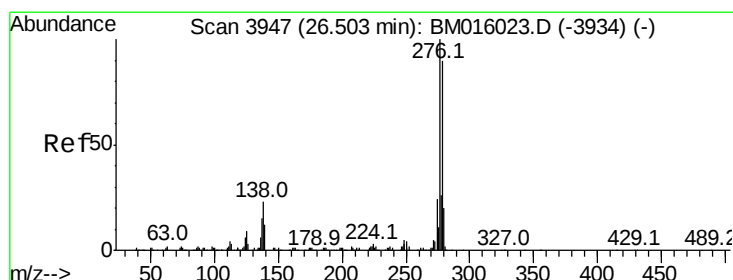
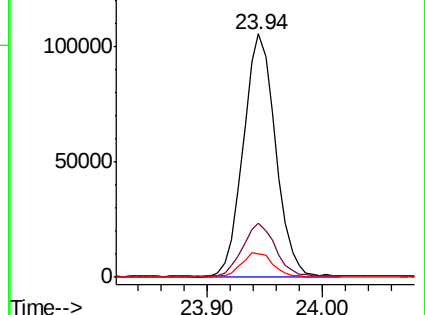
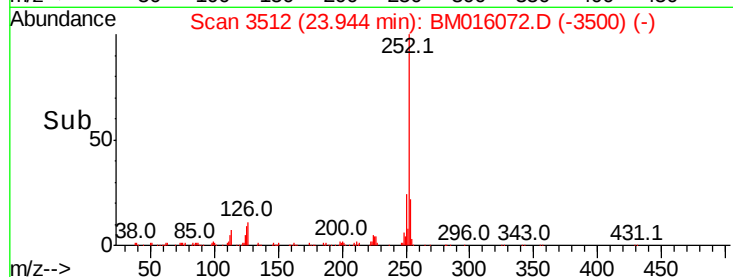
125 9.4 7.4 11.2



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

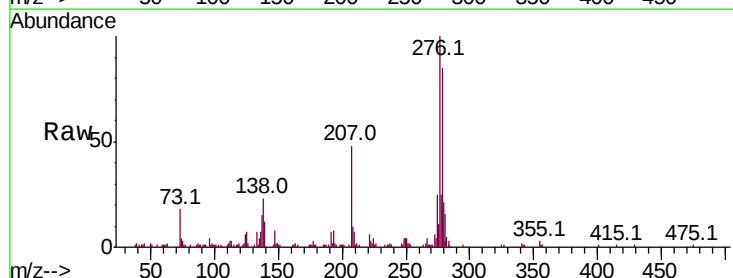
Tgt Ion:278 Resp: 201046

Ion Ratio Lower Upper

278 100

139 13.8 13.4 20.0

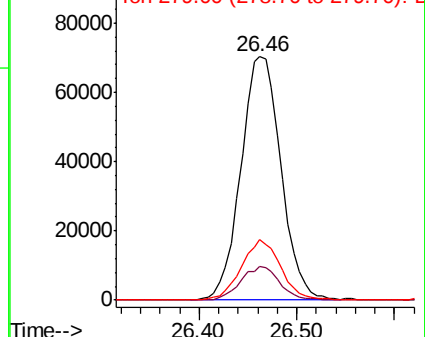
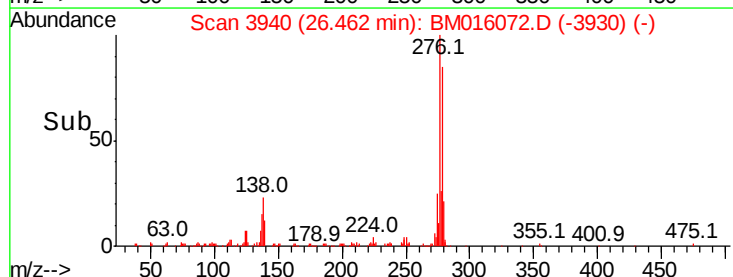
279 24.9 19.0 28.4

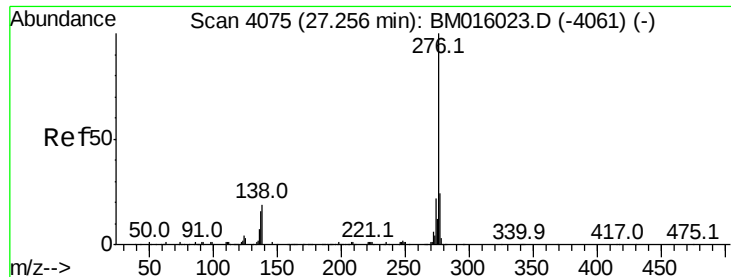


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,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

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.5	27.7
138	18.5	19.0	28.6

