

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071317\
 Data File : BM010806.D
 Acq On : 13 Jul 2017 11:17
 Operator : SJ/JU
 Sample : I3757-01
 Misc : 8PPM LOD
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Quant Time: Jul 13 13:47:36 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM071217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 12 14:21:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	194747	20.00	ng	0.00
21) Naphthalene-d8	10.21	136	814036	20.00	ng	0.00
38) Acenaphthene-d10	14.10	164	569806	20.00	ng	0.00
63) Phenanthrene-d10	16.85	188	1427612	20.00	ng	0.00
75) Chrysene-d12	21.07	240	1512495	20.00	ng	0.00
86) Perylene-d12	23.20	264	1389517	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.08	112	1649316	140.29	ng	0.00
7) Phenol-d6	6.64	99	2294529	141.57	ng	0.00
23) Nitrobenzene-d5	8.59	82	2174591	102.68	ng	0.00
41) 2,4,6-Tribromophenol	15.60	330	1315598	151.08	ng	0.00
44) 2-Fluorobiphenyl	12.71	172	4643716	101.38	ng	0.00
78) Terphenyl-d14	19.51	244	7441543	95.16	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	48155	9.283	ng	# 100
3) Pyridine	3.47	79	122296	8.625	ng	# 86
4) n-Nitrosodimethylamine	3.39	42	56990	7.864	ng	# 61
6) Aniline	6.79	93	166107	8.181	ng	# 92
8) 2-Chlorophenol	7.02	128	97440	8.371	ng	# 86
9) Benzaldehyde	6.61	77	87811	7.803	ng	# 73
10) Phenol	6.66	94	147523	8.609	ng	# 92
11) bis(2-Chloroethyl)ether	6.89	93	113355	8.589	ng	# 98
12) 1,3-Dichlorobenzene	7.33	146	121287	8.432	ng	# 84
13) 1,4-Dichlorobenzene	7.48	146	117766	7.933	ng	# 91
14) 1,2-Dichlorobenzene	7.79	146	111775	7.902	ng	# 85
15) Benzyl Alcohol	7.69	79	129416	8.433	ng	# 85
16) 2,2'-oxybis(1-Chloropropan	7.98	45	105879	9.253	ng	# 81
17) 2-Methylphenol	7.89	107	91367	8.244	ng	# 81
18) Hexachloroethane	8.50	117	52569	8.443	ng	# 84
19) n-Nitroso-di-n-propylamine	8.25	70	117170	9.126	ng	# 93
20) 3+4-Methylphenols	8.22	107	127998	8.313	ng	# 85
22) Acetophenone	8.26	105	202880	8.277	ng	# 90
24) Nitrobenzene	8.63	77	185788	8.560	ng	# 88
25) Isophorone	9.15	82	297841	8.585	ng	# 88
26) 2-Nitrophenol	9.33	139	58085	8.043	ng	# 46
27) 2,4-Dimethylphenol	9.40	122	104235	8.086	ng	# 74
28) bis(2-Chloroethoxy)methane	9.64	93	159713	8.212	ng	# 99
29) 2,4-Dichlorophenol	9.86	162	114969	7.896	ng	# 97
30) 1,2,4-Trichlorobenzene	10.07	180	139181	7.819	ng	# 87
31) Naphthalene	10.26	128	339283	8.197	ng	# 97
32) Benzoic acid	9.49	122	83249	8.231	ng	# 78
33) 4-Chloroaniline	10.37	127	135966	8.153	ng	# 75
34) Hexachlorobutadiene	10.55	225	109794	7.949	ng	# 95
35) Caprolactam	11.14	113	29919	7.718	ng	# 87
36) 4-Chloro-3-methylphenol	11.50	107	150533	8.547	ng	# 62
37) 2-Methylnaphthalene	11.88	142	245706	8.265	ng	# 85
39) 1,2,4,5-Tetrachlorobenzene	12.26	216	189612	7.634	ng	# 100
40) Hexachlorocyclopentadiene	12.24	237	101061	7.098	ng	# 92

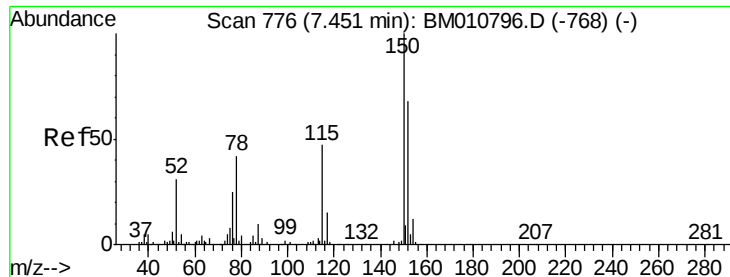
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071317\
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Quant Time: Jul 13 13:47:36 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM071217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 12 14:21:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.50	196	113530	7.423	ng	97
43) 2,4,5-Trichlorophenol	12.57	196	120507	7.981	ng	# 82
45) 1,1'-Biphenyl	12.92	154	382798	7.711	ng	99
46) 2-Chloronaphthalene	12.96	162	291517	8.009	ng	93
47) 2-Nitroaniline	13.17	65	91862	7.677	ng	# 68
48) Acenaphthylene	13.82	152	434398	8.024	ng	97
49) Dimethylphthalate	13.57	163	398288	8.216	ng	# 98
50) 2,6-Dinitrotoluene	13.68	165	78448	8.250	ng	# 56
51) Acenaphthene	14.16	154	265448	8.024	ng	95
52) 3-Nitroaniline	14.01	138	64586	7.472	ng	# 34
53) 2,4-Dinitrophenol	14.22	184	44184	6.722	ng	# 91
54) Dibenzofuran	14.50	168	436237	8.152	ng	92
55) 4-Nitrophenol	14.32	139	54442	7.252	ng	# 1
56) 2,4-Dinitrotoluene	14.47	165	99495	7.541	ng	92
57) Fluorene	15.15	166	359312	7.811	ng	97
58) 2,3,4,6-Tetrachlorophenol	14.73	232	109013	7.770	ng	# 100
59) Diethylphthalate	14.95	149	421918	8.813	ng	100
60) 4-Chlorophenyl-phenylether	15.16	204	218060	7.717	ng	96
61) 4-Nitroaniline	15.17	138	68634	7.597	ng	# 1
62) Azobenzene	15.45	77	394989	8.125	ng	88
64) 4,6-Dinitro-2-methylphenol	15.24	198	66658	7.081	ng	93
65) n-Nitrosodiphenylamine	15.37	169	317317	7.768	ng	97
66) 4-Bromophenyl-phenylether	16.05	248	138587	7.660	ng	# 83
67) Hexachlorobenzene	16.16	284	159983	7.733	ng	# 79
68) Atrazine	16.34	200	131386	7.766	ng	97
69) Pentachlorophenol	16.50	266	99927	7.535	ng	95
70) Phenanthrene	16.89	178	599365	8.070	ng	97
71) Anthracene	16.98	178	583869	7.920	ng	98
72) Carbazole	17.26	167	506011	7.793	ng	98
73) Di-n-butylphthalate	17.84	149	584051	7.603	ng	# 95
74) Fluoranthene	18.92	202	701326	7.625	ng	96
76) Benzidine	19.12	184	228164	5.637	ng	99
77) Pyrene	19.29	202	732548	8.355	ng	99
79) Butylbenzylphthalate	20.22	149	225495	7.346	ng	# 79
80) Benzo(a)anthracene	21.05	228	714076	8.148	ng	99
81) 3,3'-Dichlorobenzidine	21.00	252	251077	7.286	ng	# 95
82) Chrysene	21.10	228	672241	8.054	ng	99
83) Bis(2-ethylhexyl)phthalate	21.01	149	327304	7.322	ng	# 99
84) Di-n-octyl phthalate	21.86	149	519156	7.088	ng	# 99
85) Indeno(1,2,3-cd)pyrene	25.30	276	735537	7.685	ng	# 100
87) Benzo(b)fluoranthene	22.56	252	674008	7.636	ng	# 90
88) Benzo(k)fluoranthene	22.61	252	681896	8.089	ng	# 94
89) Benzo(a)pyrene	23.10	252	605289	7.534	ng	# 93
90) Dibenzo(a,h)anthracene	25.31	278	601690	7.716	ng	# 89
91) Benzo(g,h,i)perylene	25.93	276	589232	7.687	ng	# 85

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

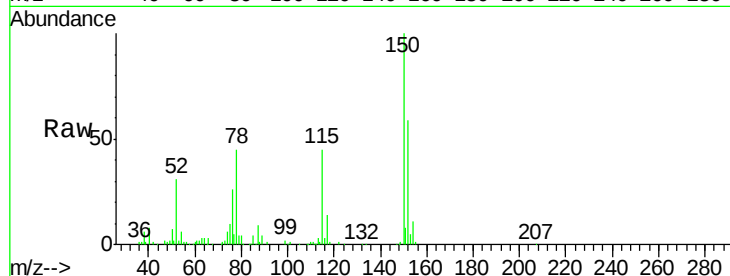


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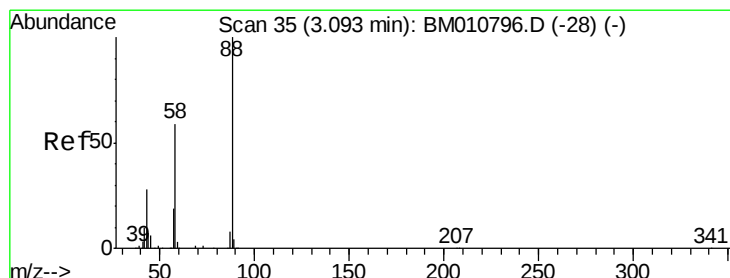
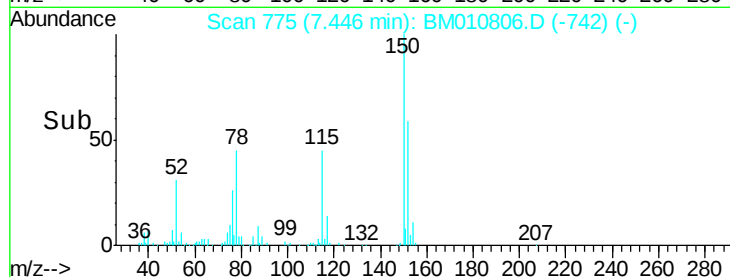
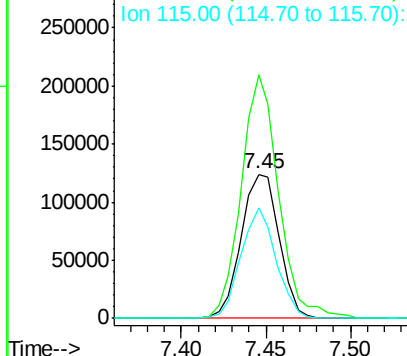
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Concen: 20.000 ng
RT: 7.45 min Scan# 775
Delta R.T. -0.01 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion:152 Resp: 194747
Ion Ratio Lower Upper
152 100
150 169.2 119.5 179.3
115 76.6 43.0 64.4#



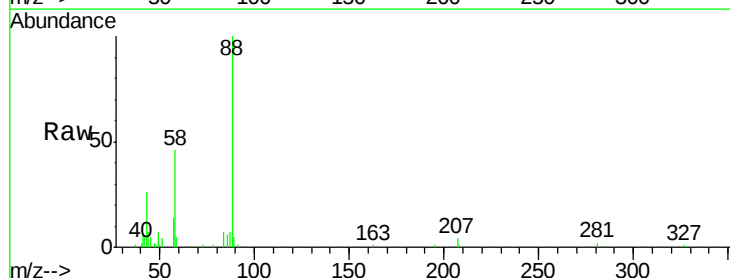
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



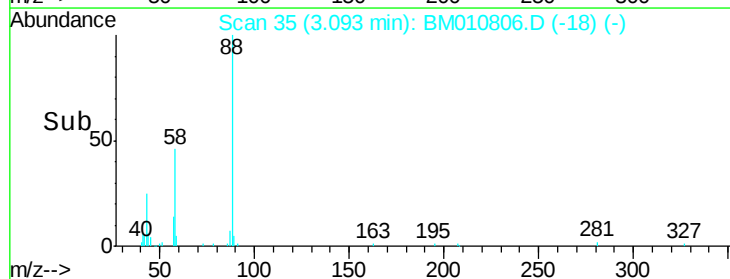
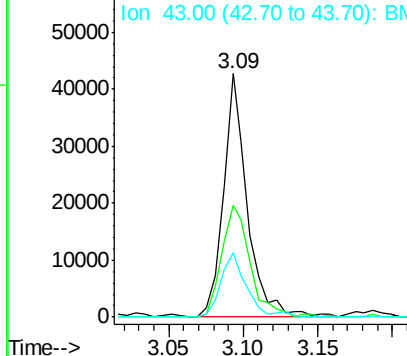
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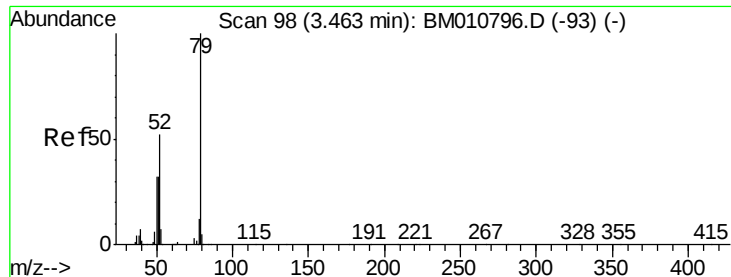
1,4-Dioxane
Concen: 9.283 ng
RT: 3.09 min Scan# 35
Delta R.T. 0.00 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

Tgt Ion: 88 Resp: 48155
Ion Ratio Lower Upper
88 100
58 54.1 0.0 0.0#
43 28.6 0.0 0.0#



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





#3

Pyridine

Concen: 8.625 ng

RT: 3.47 min Scan# 99

Delta R.T. 0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

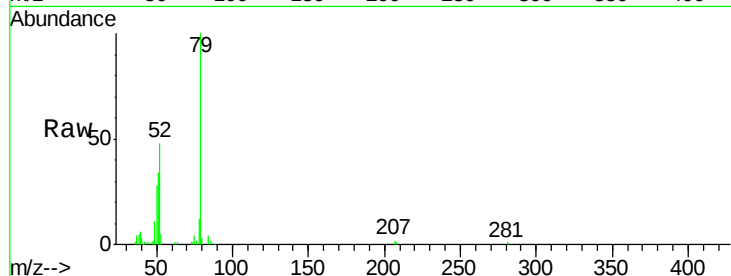
Tgt Ion: 79 Resp: 122296

Ion Ratio Lower Upper

79 100

52 48.3 51.1 76.7#

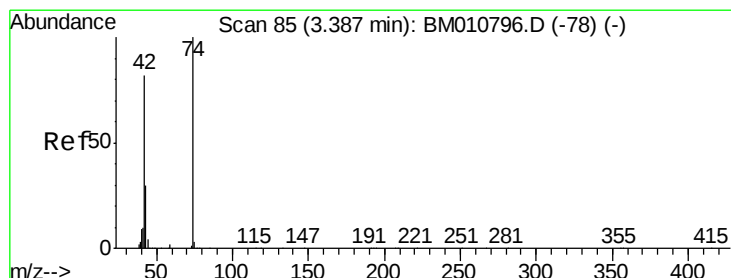
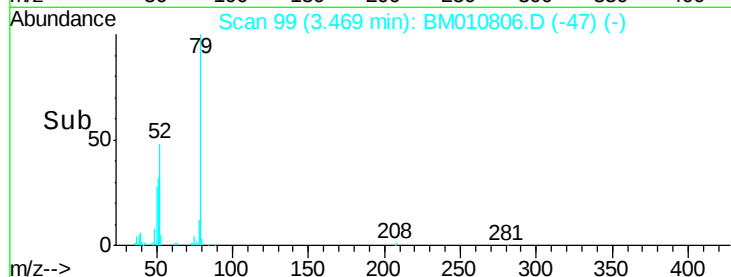
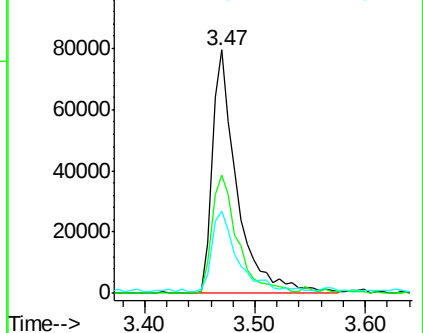
51 33.7 26.1 39.1



Abundance Ion 79.00 (78.70 to 79.70): BM010796.D (-93) (-)

Ion 52.00 (51.70 to 52.70): BM010796.D (-93) (-)

Ion 51.00 (50.70 to 51.70): BM010796.D (-93) (-)



#4

n-Nitrosodimethylamine

Concen: 7.864 ng

RT: 3.39 min Scan# 85

Delta R.T. 0.00 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

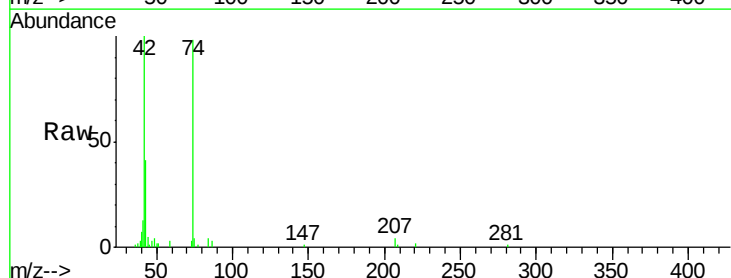
Tgt Ion: 42 Resp: 56990

Ion Ratio Lower Upper

42 100

74 98.3 119.3 178.9#

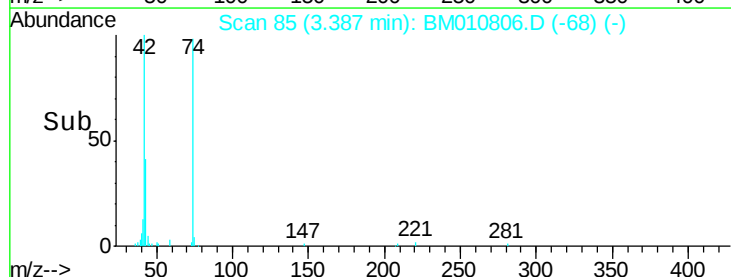
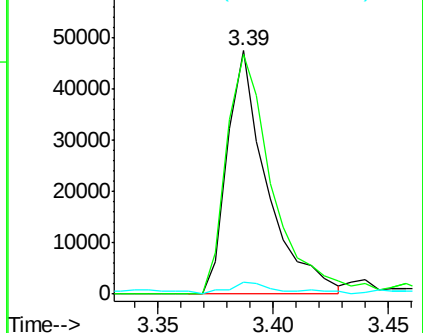
44 4.9 5.4 8.2#



Abundance Ion 42.00 (41.70 to 42.70): BM010796.D (-78) (-)

Ion 74.00 (73.70 to 74.70): BM010796.D (-78) (-)

Ion 44.00 (43.70 to 44.70): BM010796.D (-78) (-)





#5

2-Fluorophenol

Concen: 140.288 ng

RT: 5.08 min Scan# 373

Delta R.T. 0.00 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

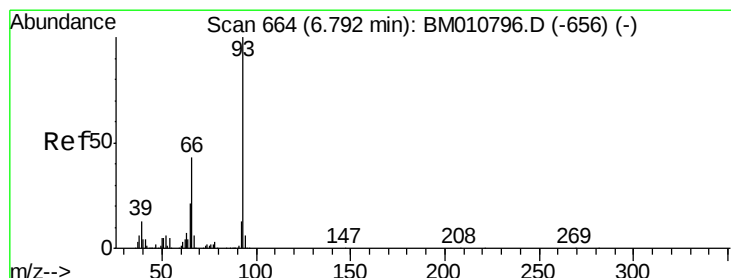
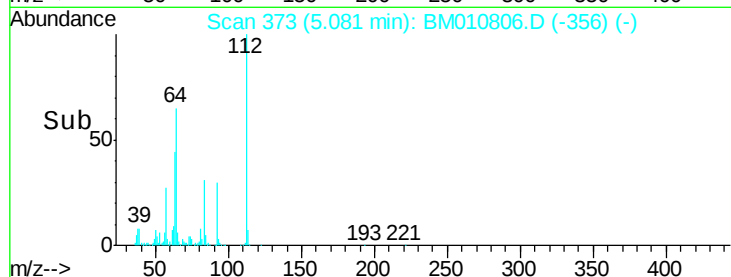
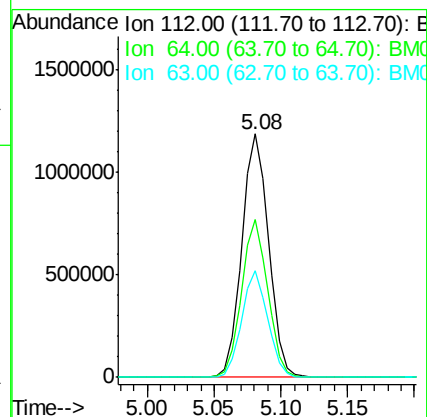
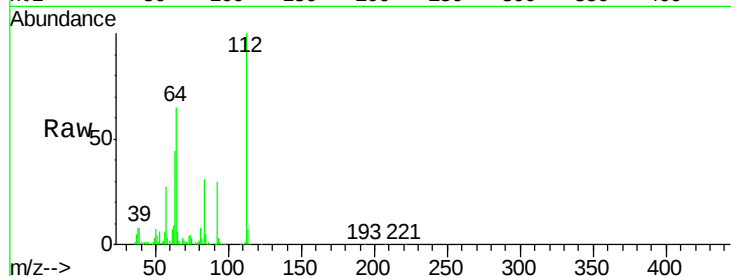
Tgt Ion:112 Resp: 1649316

Ion Ratio Lower Upper

112 100

64 64.8 38.6 57.8#

63 43.9 19.3 28.9#



#6

Aniline

Concen: 8.181 ng

RT: 6.79 min Scan# 664

Delta R.T. 0.00 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

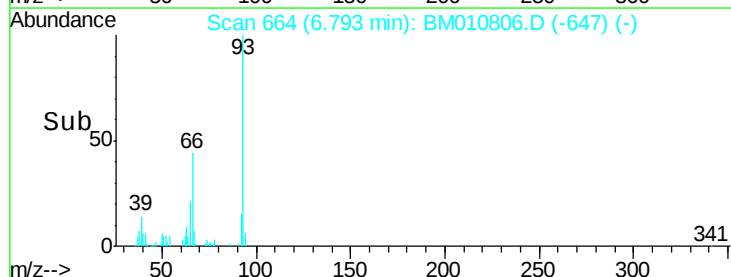
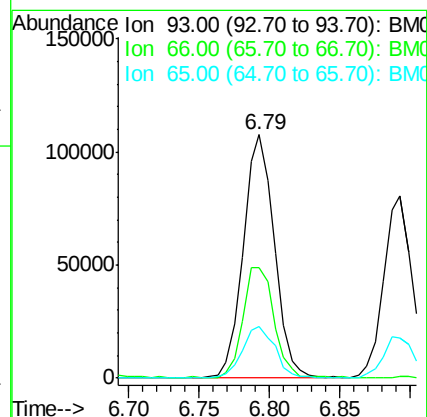
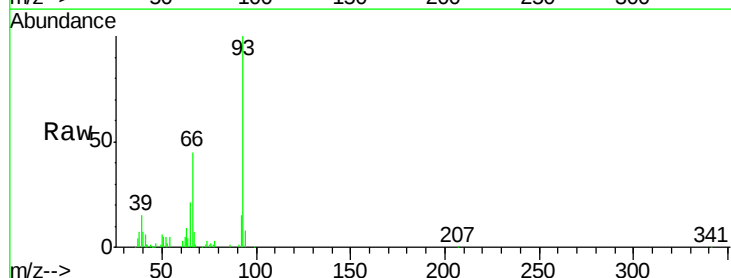
Tgt Ion: 93 Resp: 166107

Ion Ratio Lower Upper

93 100

66 45.3 30.8 46.2

65 21.2 16.0 24.0





#7

Phenol-d6

Concen: 141.572 ng

RT: 6.64 min Scan# 638

Delta R.T. 0.00 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

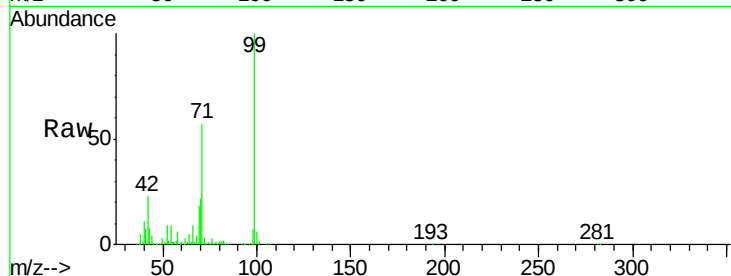
Tgt Ion: 99 Resp: 2294529

Ion Ratio Lower Upper

99 100

42 22.7 11.0 16.4#

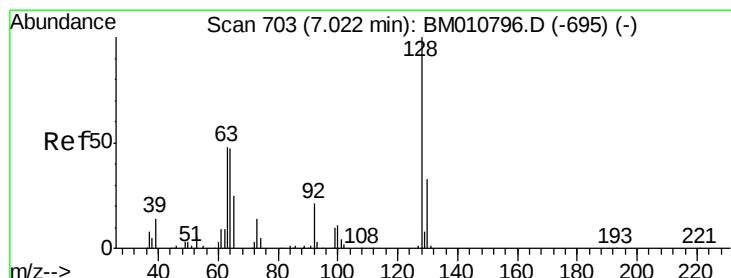
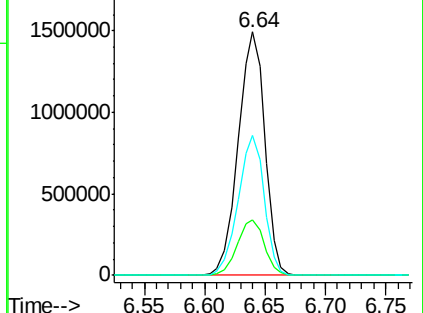
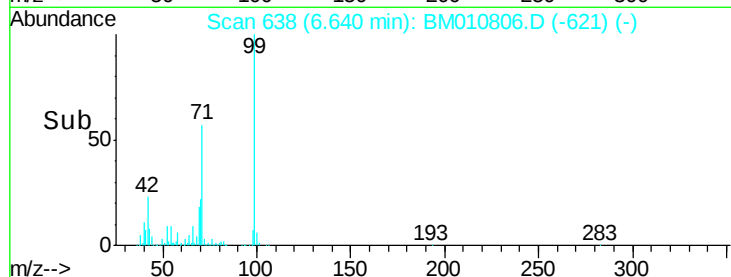
71 57.3 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM010806.D (-621) (-)

Ion 42.00 (41.70 to 42.70): BM010806.D (-621) (-)

Ion 71.00 (70.70 to 71.70): BM010806.D (-621) (-)



#8

2-Chlorophenol

Concen: 8.371 ng

RT: 7.02 min Scan# 702

Delta R.T. -0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

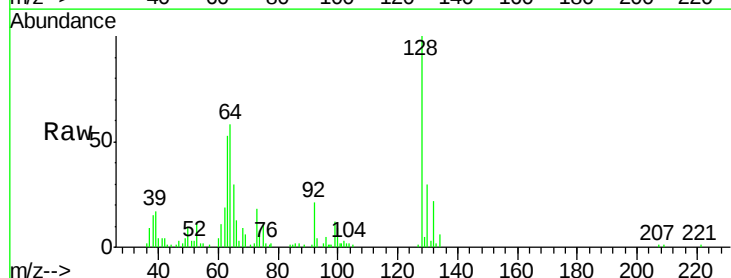
Tgt Ion: 128 Resp: 97440

Ion Ratio Lower Upper

128 100

130 29.5 12.0 52.0

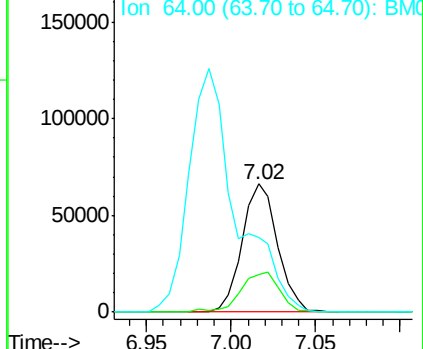
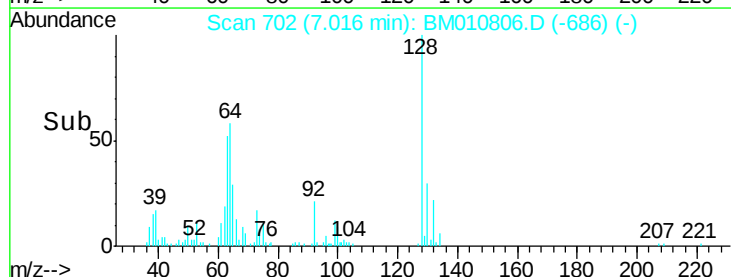
64 58.0 24.9 64.9

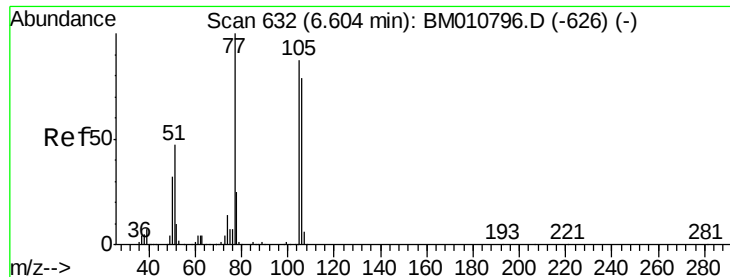


Abundance Ion 128.00 (127.70 to 128.70): BM010806.D (-686) (-)

Ion 130.00 (129.70 to 130.70): BM010806.D (-686) (-)

Ion 64.00 (63.70 to 64.70): BM010806.D (-686) (-)





#9

Benzaldehyde

Concen: 7.803 ng

RT: 6.61 min Scan# 633

Delta R.T. 0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

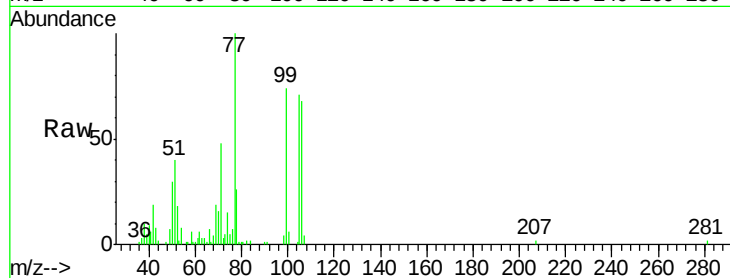
Tgt Ion: 77 Resp: 87811

Ion Ratio Lower Upper

77 100

105 71.5 78.8 118.8#

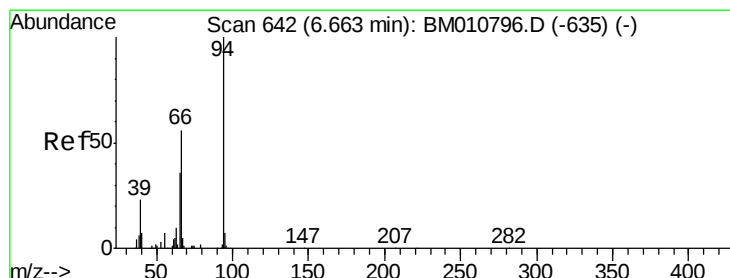
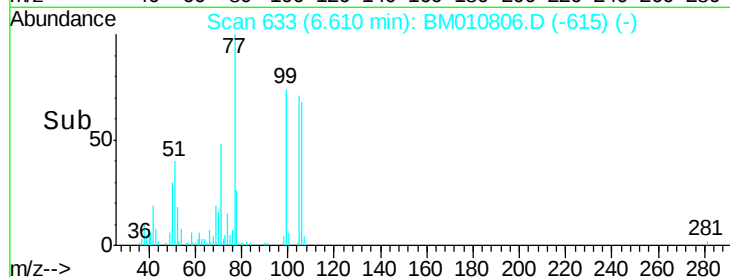
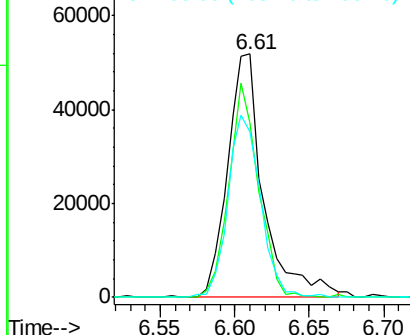
106 68.2 73.7 113.7#



Abundance Ion 77.00 (76.70 to 77.70): BM010806.D (-615) (-)

Ion 105.00 (104.70 to 105.70): BM010806.D (-615) (-)

Ion 106.00 (105.70 to 106.70): BM010806.D (-615) (-)



#10

Phenol

Concen: 8.609 ng

RT: 6.66 min Scan# 642

Delta R.T. 0.00 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

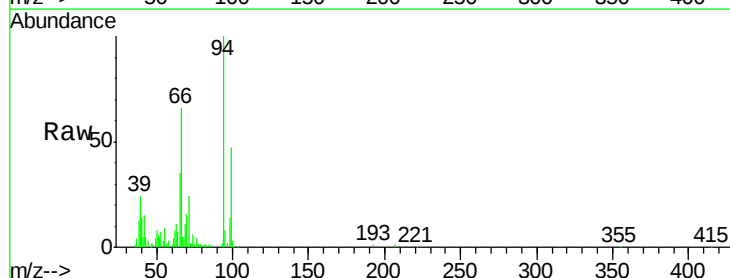
Tgt Ion: 94 Resp: 147523

Ion Ratio Lower Upper

94 100

65 34.9 18.8 58.8

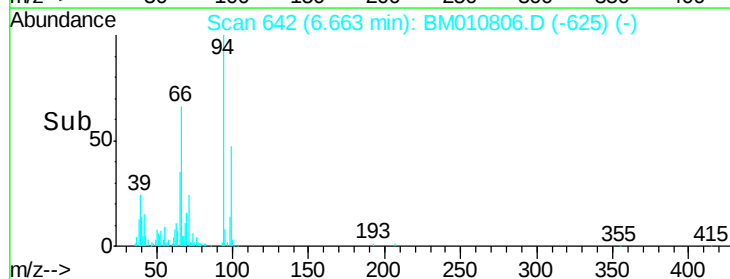
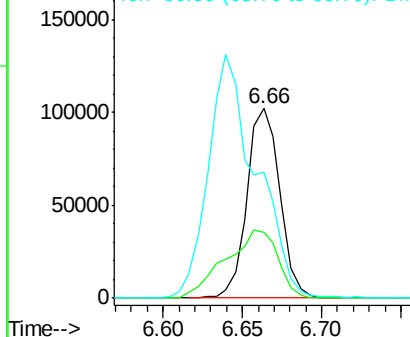
66 66.2 39.9 79.9

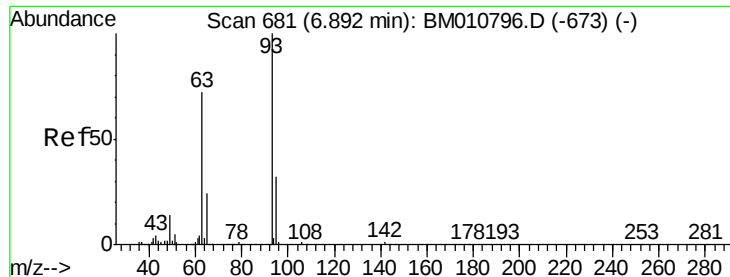


Abundance Ion 94.00 (93.70 to 94.70): BM010806.D (-625) (-)

Ion 65.00 (64.70 to 65.70): BM010806.D (-625) (-)

Ion 66.00 (65.70 to 66.70): BM010806.D (-625) (-)

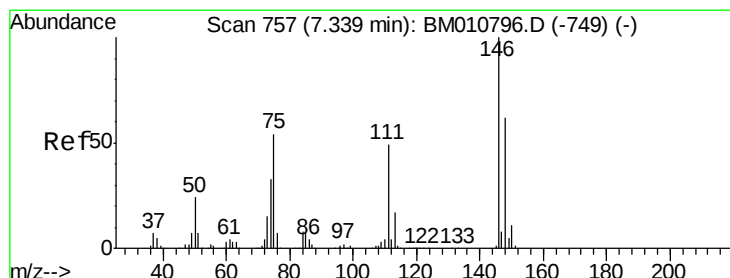
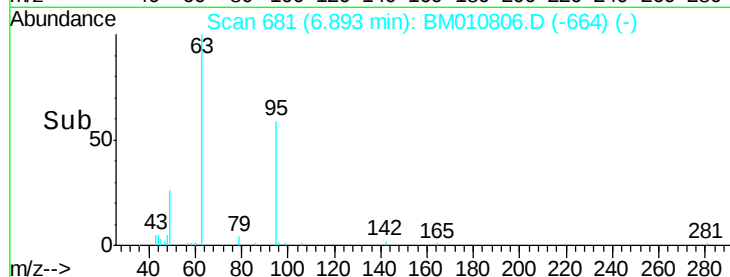
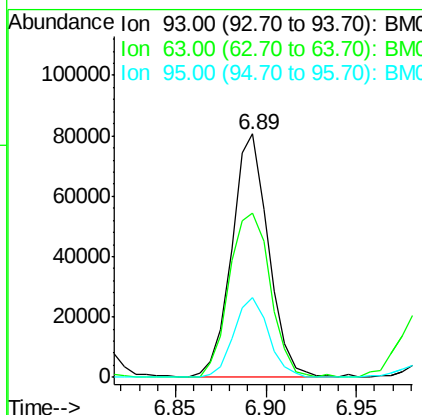
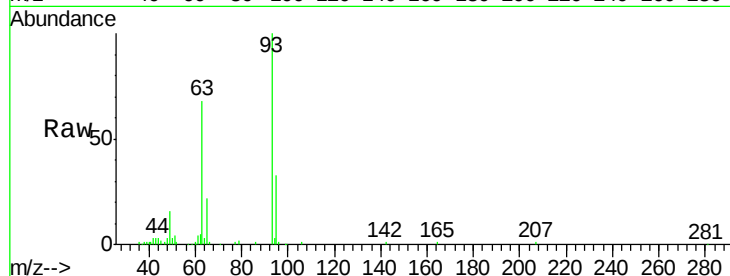




#11
bis(2-Chloroethyl)ether
Concen: 8.589 ng
RT: 6.89 min Scan# 681
Delta R.T. 0.00 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

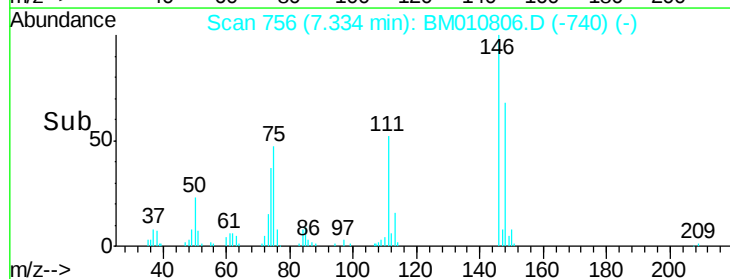
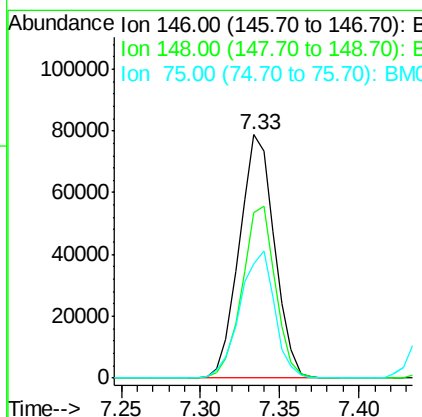
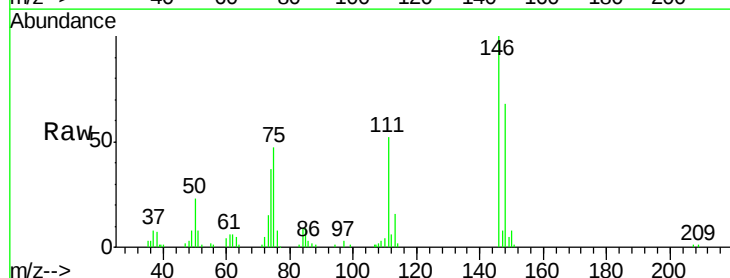
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

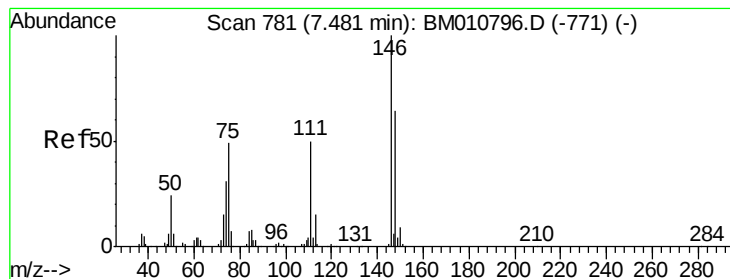
Tgt Ion	Ratio	Lower	Upper
93	100		
63	67.7	49.5	89.5
95	32.8	13.5	53.5



#12
1,3-Dichlorobenzene
Concen: 8.432 ng
RT: 7.33 min Scan# 756
Delta R.T. -0.01 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

Tgt Ion	Ratio	Lower	Upper
146	100		
148	67.9	50.9	76.3
75	47.1	21.4	32.2





#13

1,4-Dichlorobenzene

Concen: 7.933 ng

RT: 7.48 min Scan# 781

Delta R.T. 0.00 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Instrument :

BNA_M

ClientSampleID :

LOD-SOIL-01-QT3-2017

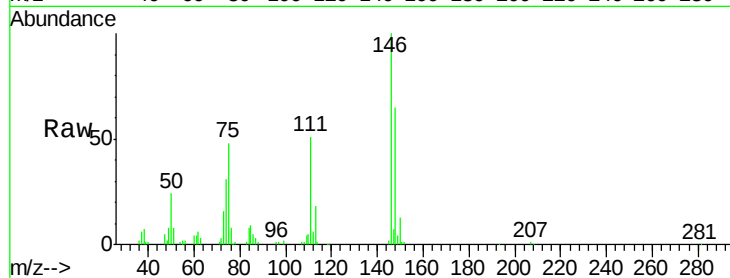
Tgt Ion:146 Resp: 117766

Ion Ratio Lower Upper

146 100

148 64.7 51.9 77.9

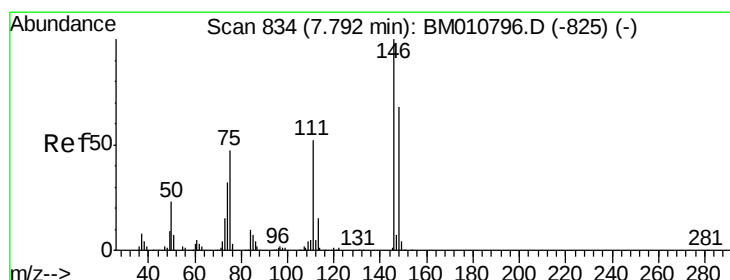
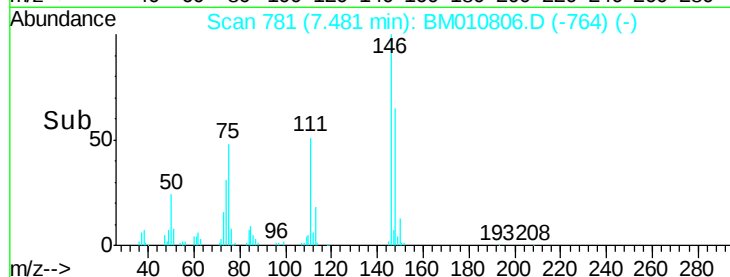
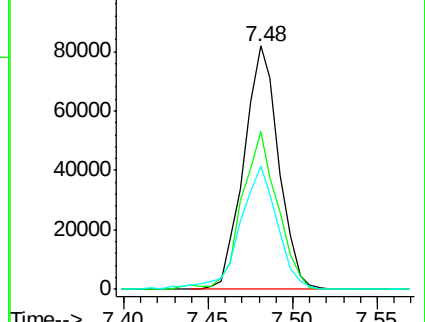
111 50.6 29.2 43.8#



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: 7.902 ng

RT: 7.79 min Scan# 834

Delta R.T. 0.00 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

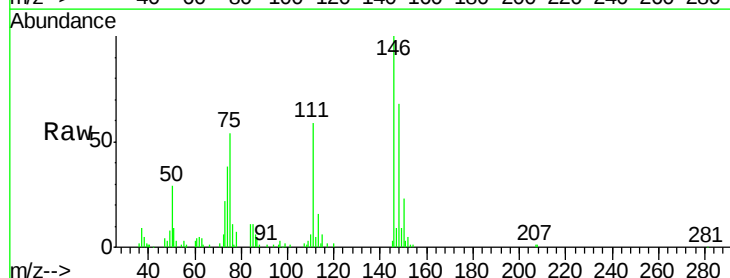
Tgt Ion:146 Resp: 111775

Ion Ratio Lower Upper

146 100

148 67.8 52.3 78.5

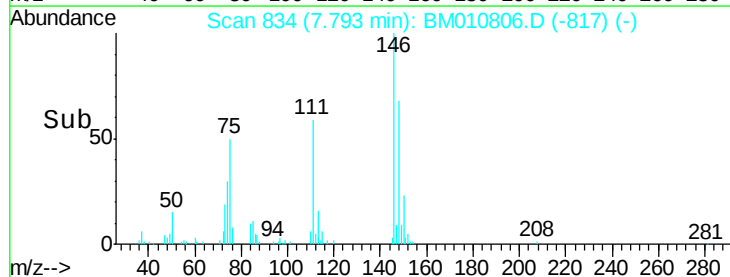
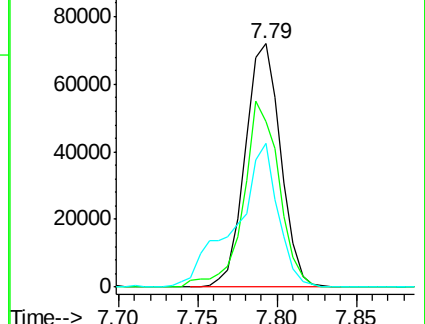
111 59.0 30.6 45.8#

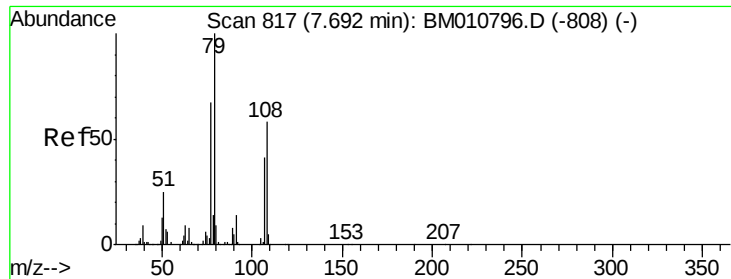


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

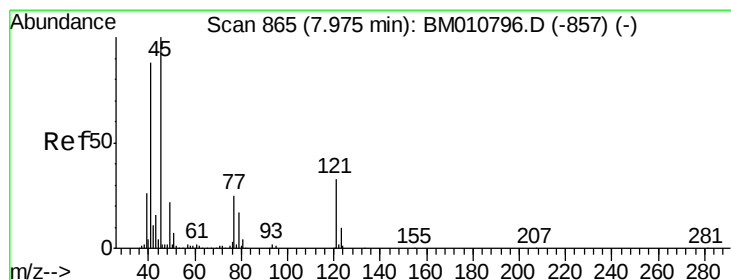
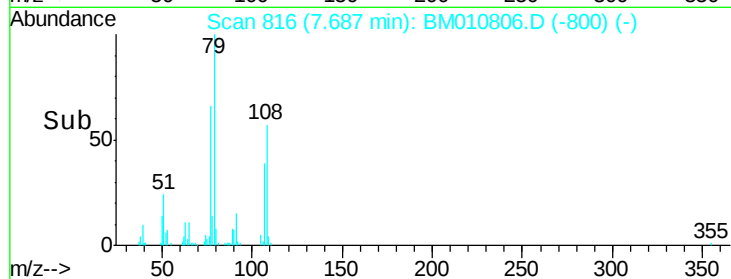
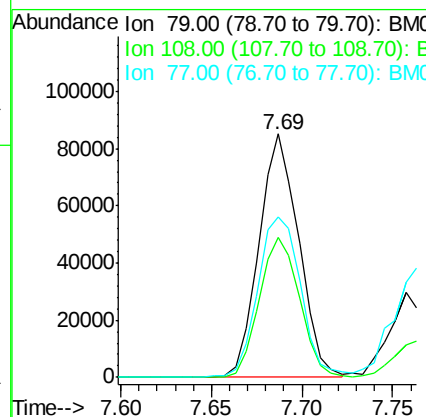
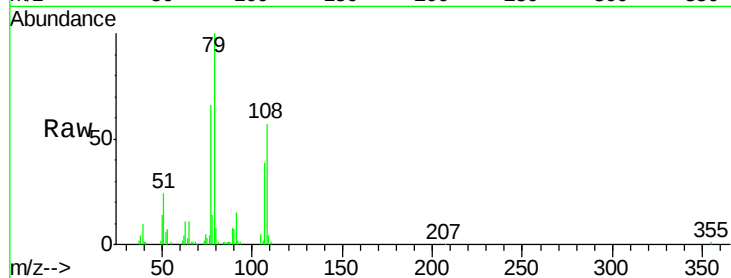




#15
Benzyl Alcohol
Concen: 8.433 ng
RT: 7.69 min Scan# 816
Delta R.T. -0.01 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

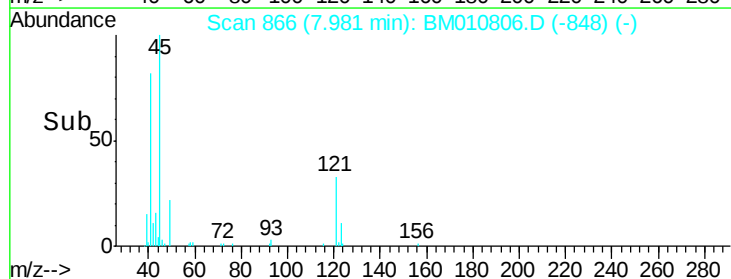
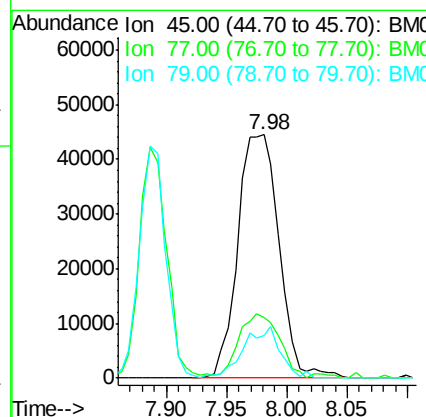
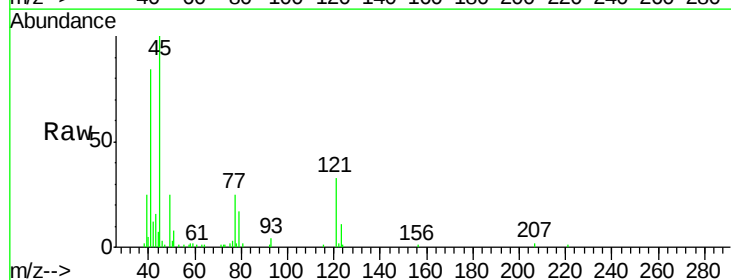
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

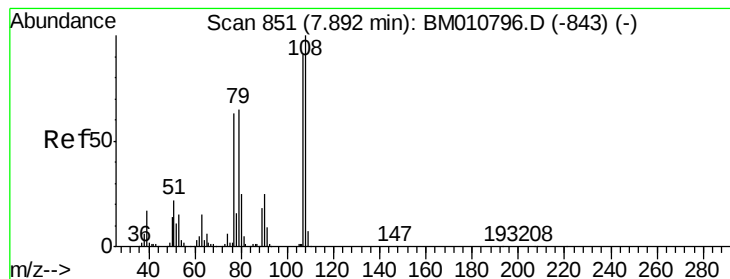
Tgt Ion: 79 Resp: 129416
Ion Ratio Lower Upper
79 100
108 57.2 65.0 97.4#
77 66.1 53.0 79.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.253 ng
RT: 7.98 min Scan# 866
Delta R.T. 0.01 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

Tgt Ion: 45 Resp: 105879
Ion Ratio Lower Upper
45 100
77 25.0 0.0 35.2
79 17.4 0.0 32.0





#17

2-Methylphenol

Concen: 8.244 ng

RT: 7.89 min Scan# 851

Delta R.T. 0.00 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tgt Ion:107 Resp: 91367

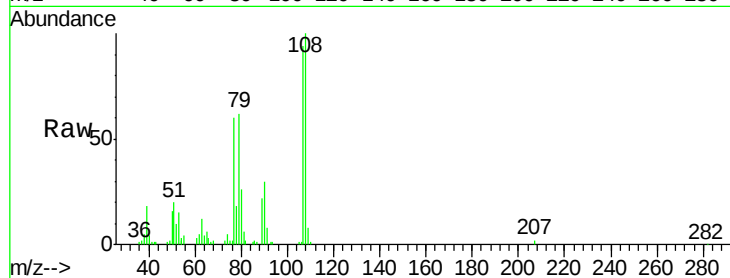
Ion Ratio Lower Upper

107 100

108 106.9 89.8 134.8

77 64.0 32.6 48.8#

79 66.7 32.8 49.2#



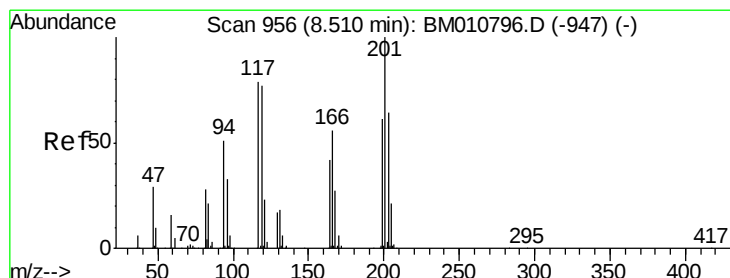
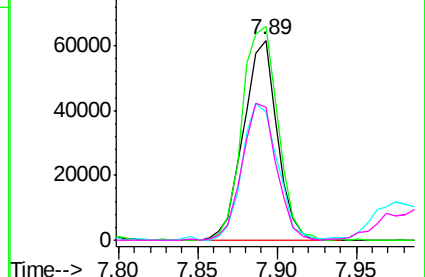
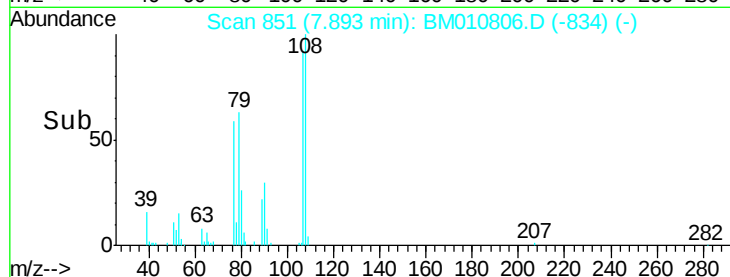
Abundance Ion 107.00 (106.70 to 107.70): E

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

Time-->



#18

Hexachloroethane

Concen: 8.443 ng

RT: 8.50 min Scan# 956

Delta R.T. -0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

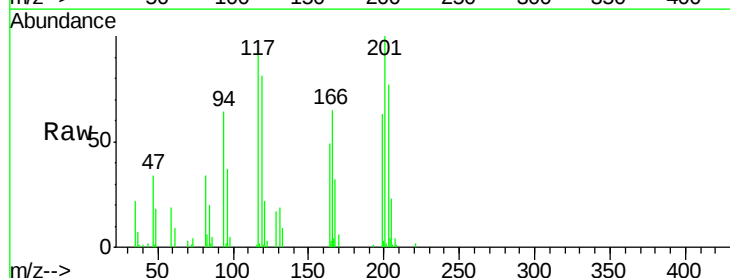
Tgt Ion:117 Resp: 52569

Ion Ratio Lower Upper

117 100

119 89.4 79.2 118.8

201 108.1 69.8 104.6#

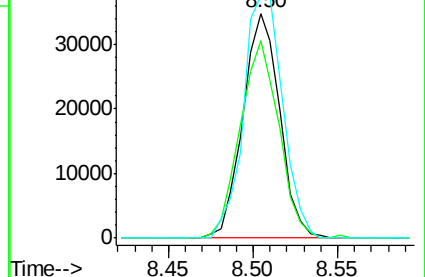
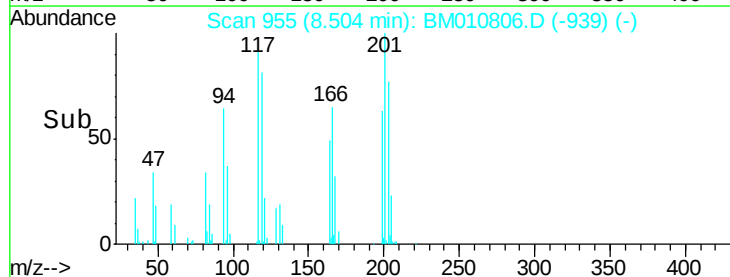


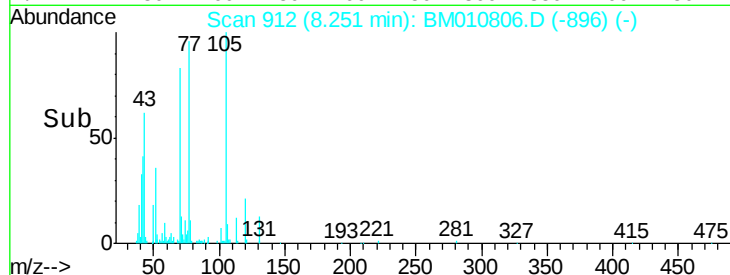
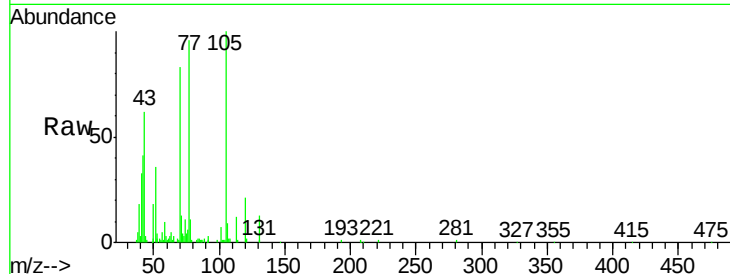
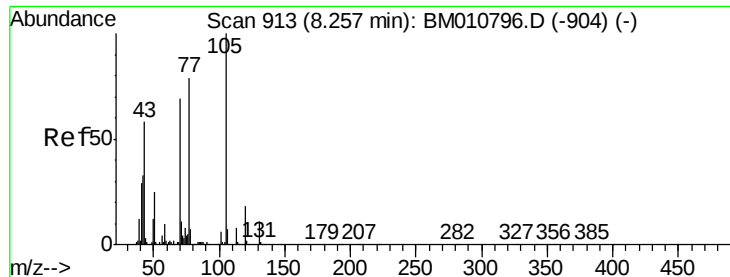
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

Time-->

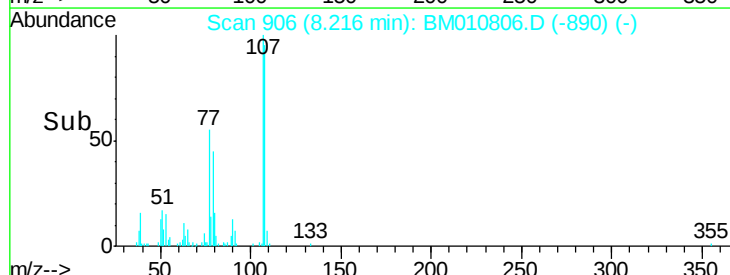
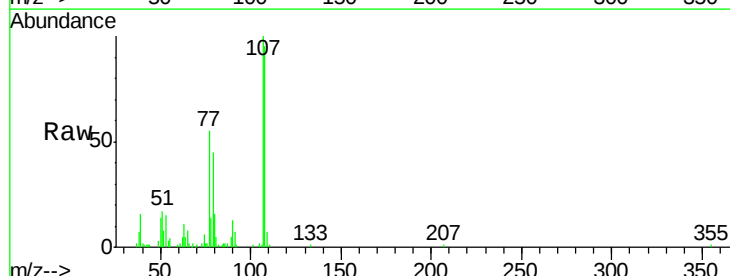
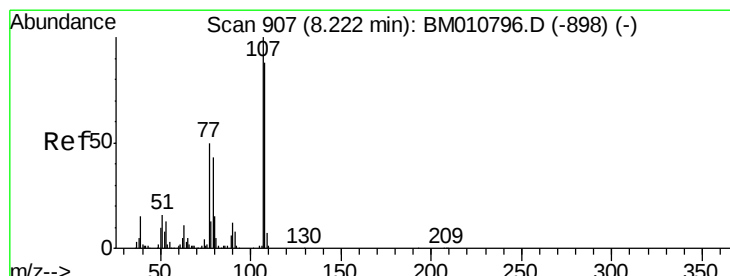
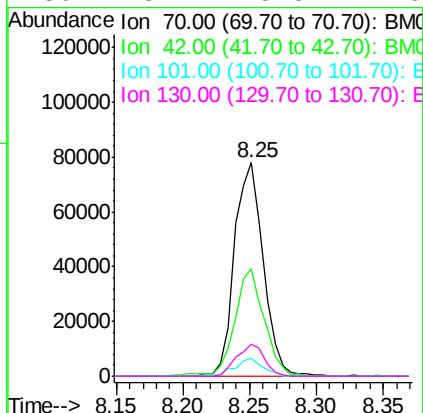




#19
n-Nitroso-di-n-propylamine
Concen: 9.126 ng
RT: 8.25 min Scan# 912
Delta R.T. -0.01 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

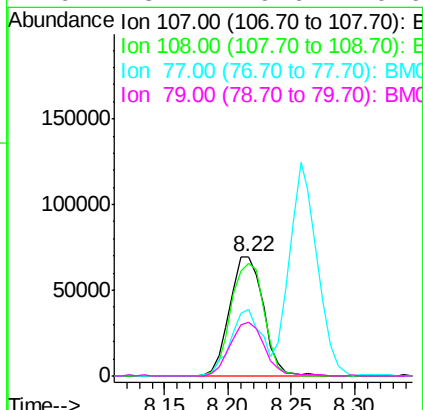
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

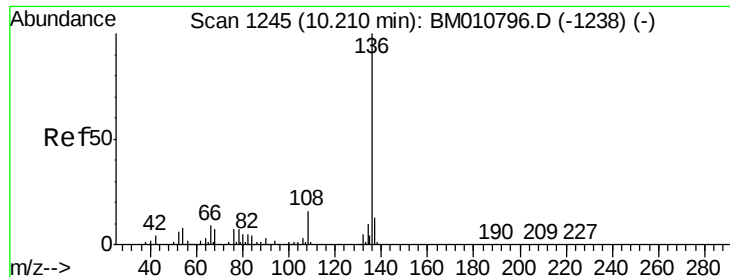
Tgt Ion:	70	Resp:	117170
Ion	Ratio	Lower	Upper
70	100		
42	50.1	44.5	66.7
101	8.5	7.4	11.2
130	15.2	15.3	22.9#



#20
3+4-Methylphenols
Concen: 8.313 ng
RT: 8.22 min Scan# 906
Delta R.T. -0.01 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

Tgt Ion:	107	Resp:	127998
Ion	Ratio	Lower	Upper
107	100		
108	94.6	73.2	113.2
77	55.2	10.7	50.7#
79	45.4	9.6	49.6

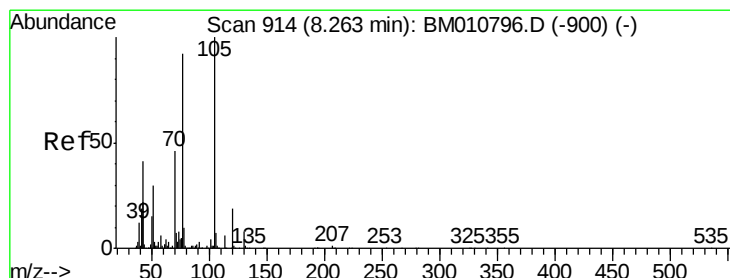
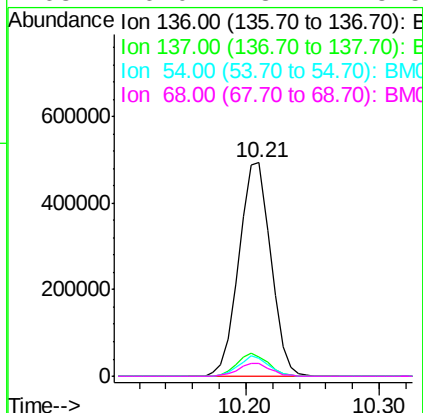
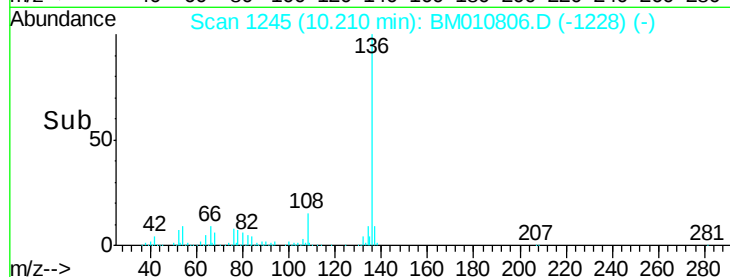
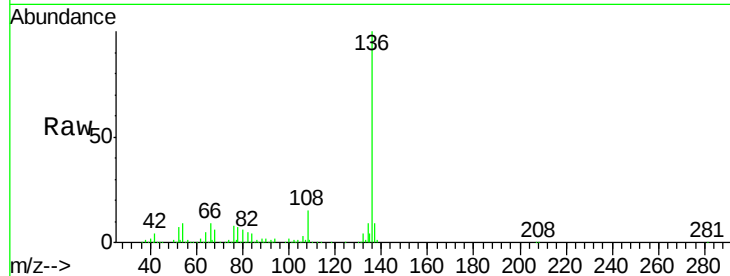




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.21 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

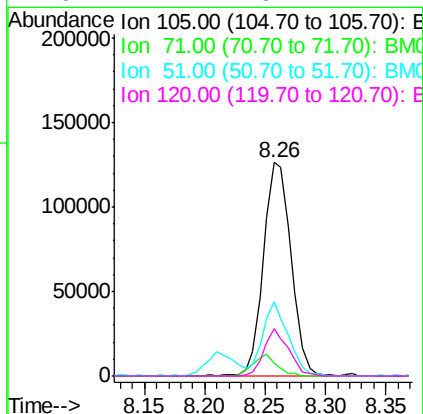
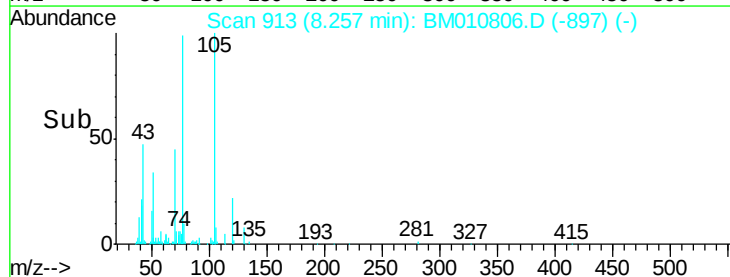
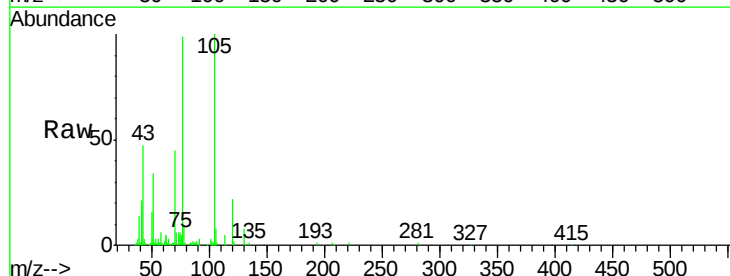
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

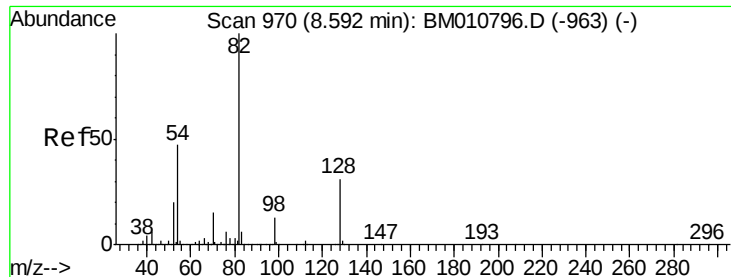
Tgt Ion:	136	Resp:	814036
Ion Ratio	Lower	Upper	
136	100		
137	9.2	8.7	13.1
54	8.5	4.6	6.8#
68	6.0	3.7	5.5#



#22
Acetophenone
Concen: 8.277 ng
RT: 8.26 min Scan# 913
Delta R.T. -0.01 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

Tgt Ion:	105	Resp:	202880
Ion Ratio	Lower	Upper	
105	100		
71	6.3	0.6	1.0#
51	34.5	21.6	32.4#
120	22.1	16.1	24.1

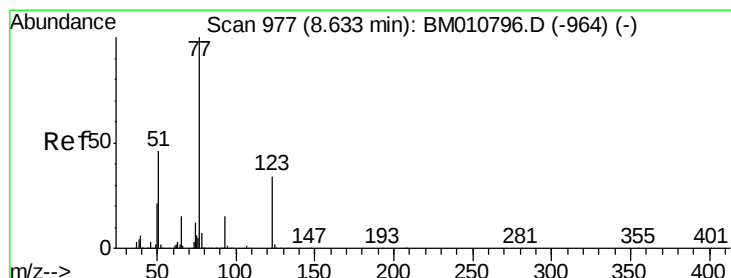
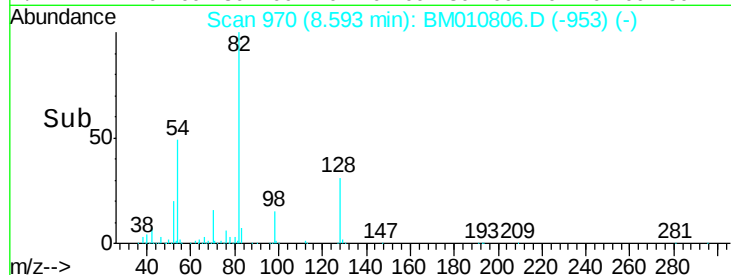
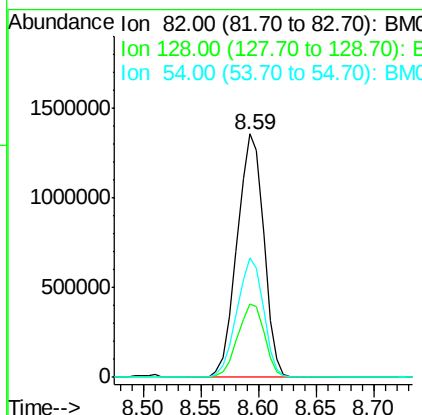
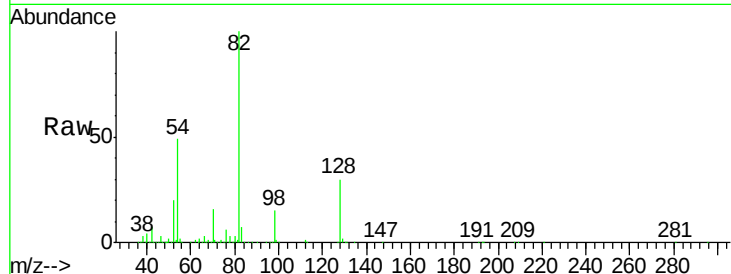




#23
 Nitrobenzene-d5
 Concen: 102.681 ng
 RT: 8.59 min Scan# 970
 Delta R.T. 0.00 min
 Lab File: BM010806.D
 Acq: 13 Jul 2017 11:17

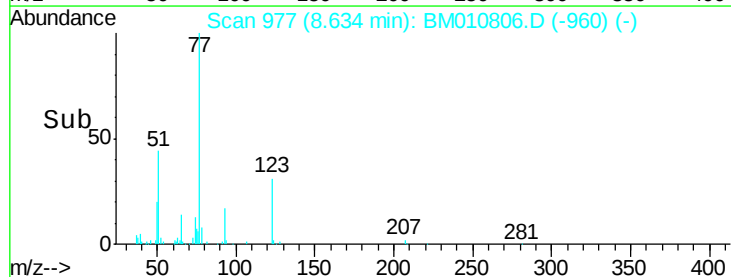
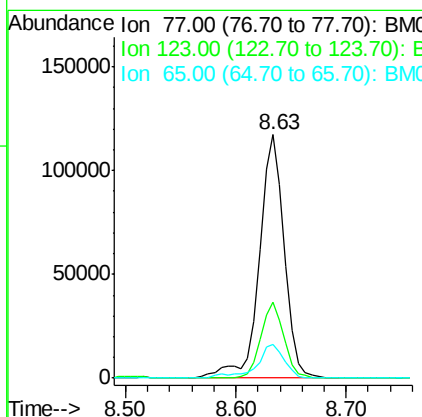
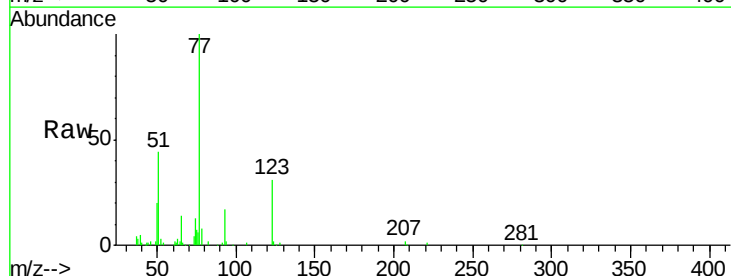
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tgt Ion: 82 Resp: 2174591
 Ion Ratio Lower Upper
 82 100
 128 30.4 32.8 49.2#
 54 49.1 40.6 60.8



#24
 Nitrobenzene
 Concen: 8.560 ng
 RT: 8.63 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: BM010806.D
 Acq: 13 Jul 2017 11:17

Tgt Ion: 77 Resp: 185788
 Ion Ratio Lower Upper
 77 100
 123 31.1 32.6 49.0#
 65 14.1 10.9 16.3





#25

Isophorone

Concen: 8.585 ng

RT: 9.15 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

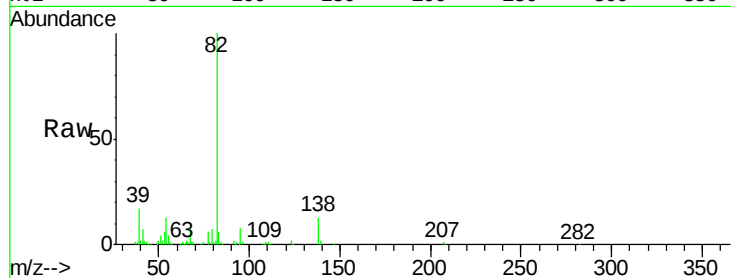
Tgt Ion: 82 Resp: 297841

Ion Ratio Lower Upper

82 100

95 8.5 5.8 8.6

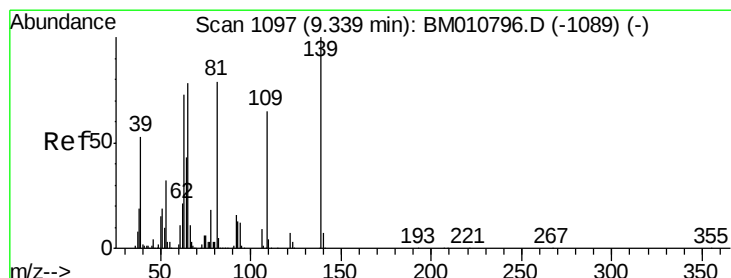
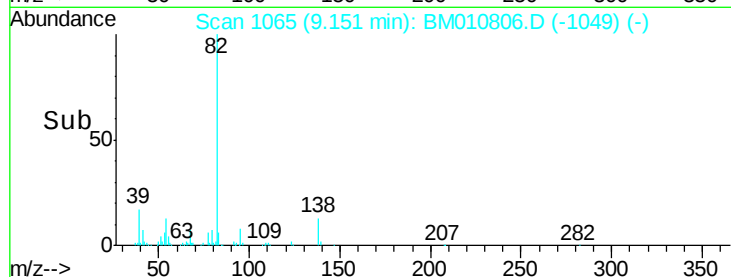
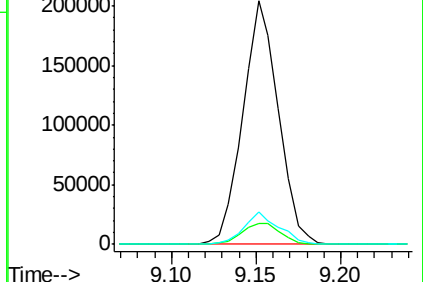
138 13.5 16.3 24.5#



Abundance Ion 82.00 (81.70 to 82.70): BM010806.D (-1049) (-)

Ion 95.00 (94.70 to 95.70): BM010806.D (-1049) (-)

Ion 138.00 (137.70 to 138.70): BM010806.D (-1049) (-)



#26

2-Nitrophenol

Concen: 8.043 ng

RT: 9.33 min Scan# 1096

Delta R.T. -0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

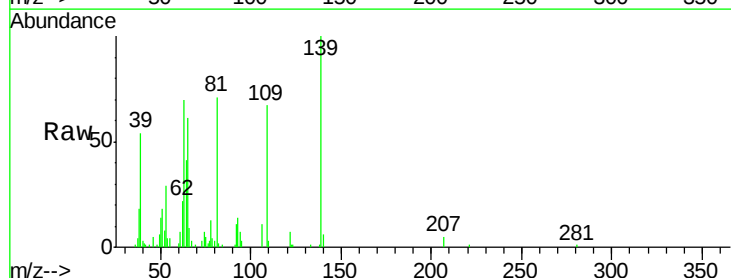
Tgt Ion: 139 Resp: 58085

Ion Ratio Lower Upper

139 100

109 67.1 20.1 30.1#

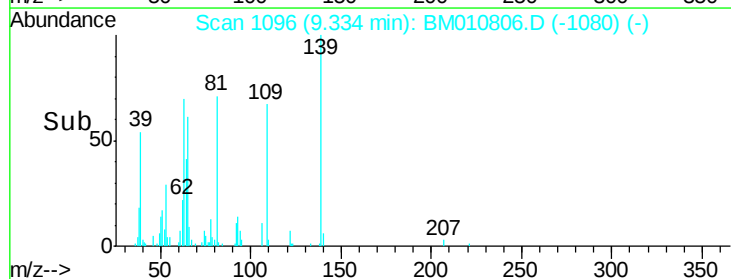
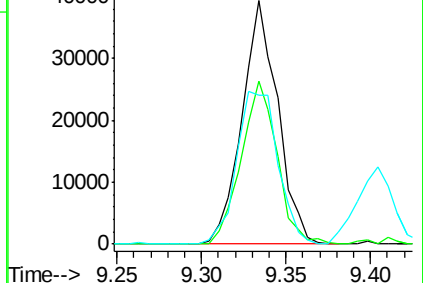
65 61.2 31.5 47.3#

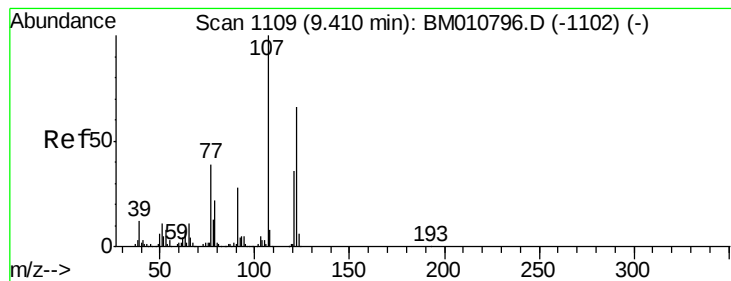


Abundance Ion 139.00 (138.70 to 139.70): BM010806.D (-1080) (-)

Ion 109.00 (108.70 to 109.70): BM010806.D (-1080) (-)

Ion 65.00 (64.70 to 65.70): BM010806.D (-1080) (-)





#27

2,4-Dimethylphenol

Concen: 8.086 ng

RT: 9.40 min Scan# 1108

Delta R.T. -0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

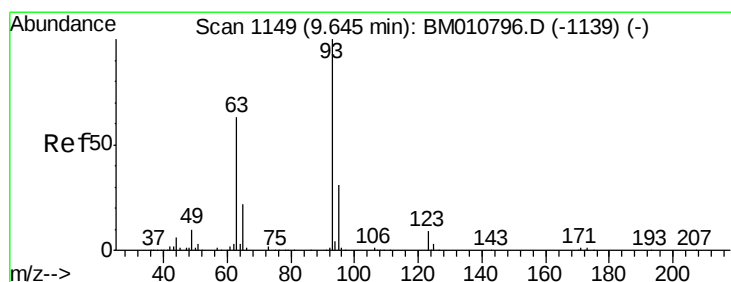
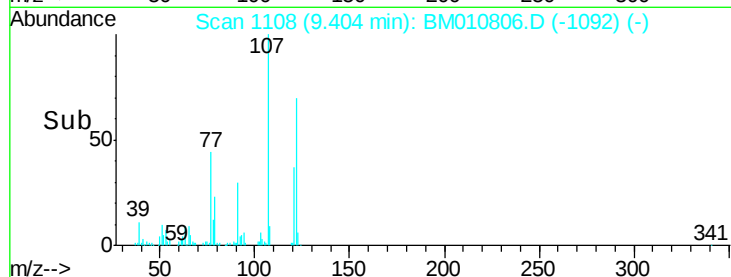
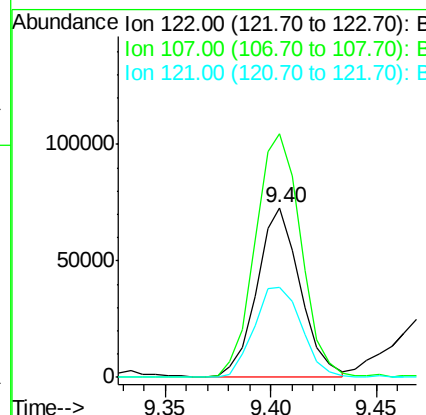
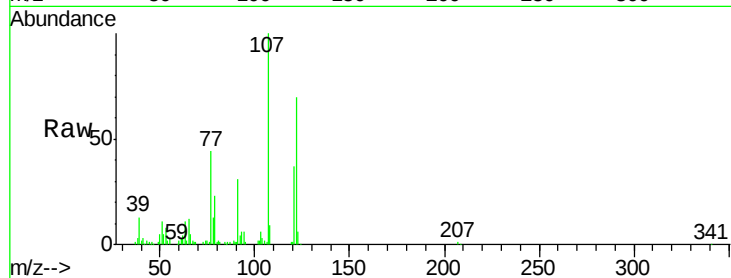
Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tgt Ion:	122	Resp:	104235
Ion	Ratio	Lower	Upper
122	100		
107	143.6	84.7	127.1#
121	52.8	46.6	69.8



#28

bis(2-Chloroethoxy)methane

Concen: 8.212 ng

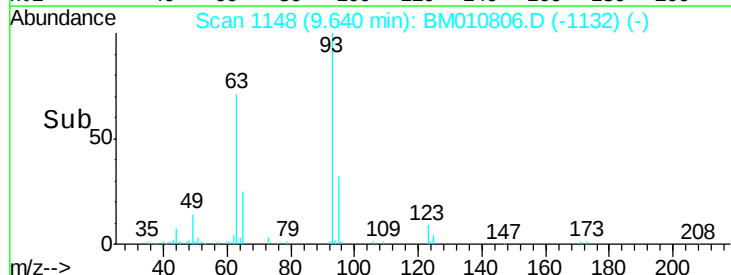
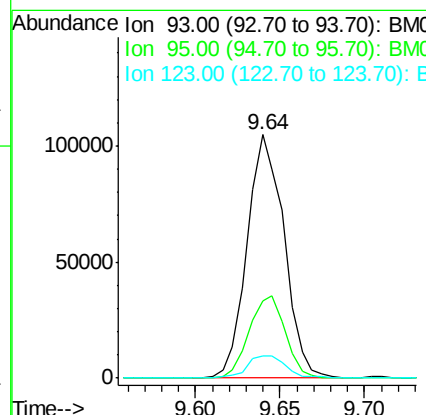
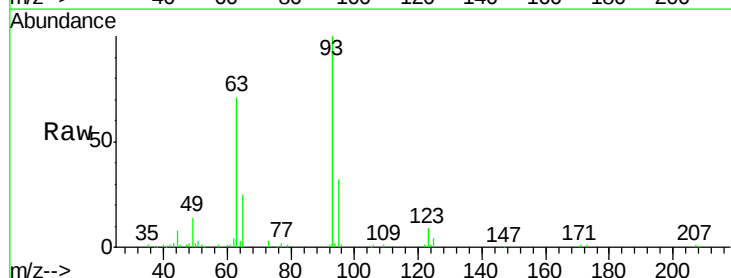
RT: 9.64 min Scan# 1148

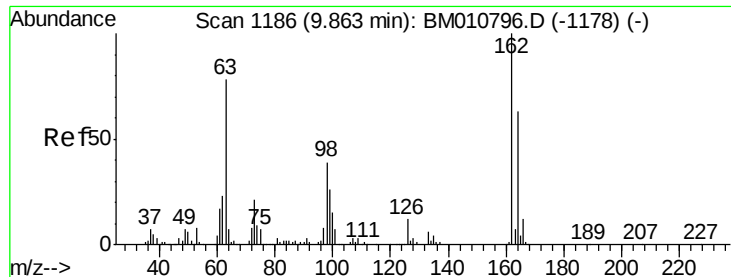
Delta R.T. -0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Tgt Ion:	93	Resp:	159713
Ion	Ratio	Lower	Upper
93	100		
95	31.9	25.5	38.3
123	9.3	8.6	13.0

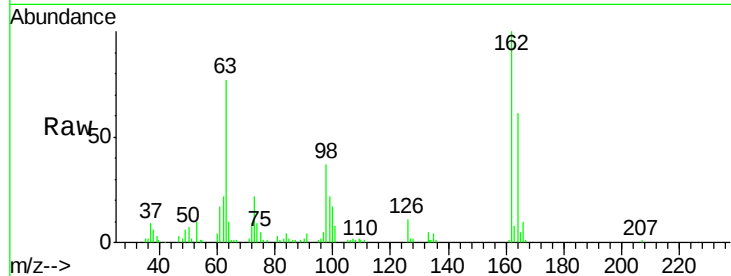




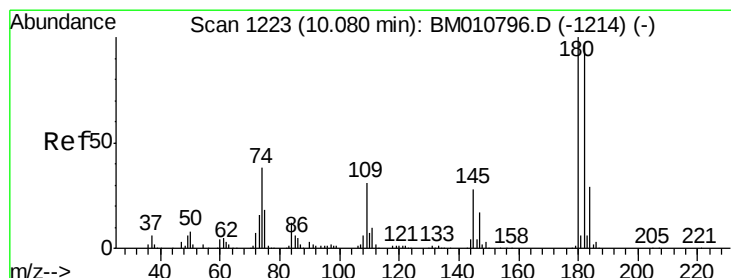
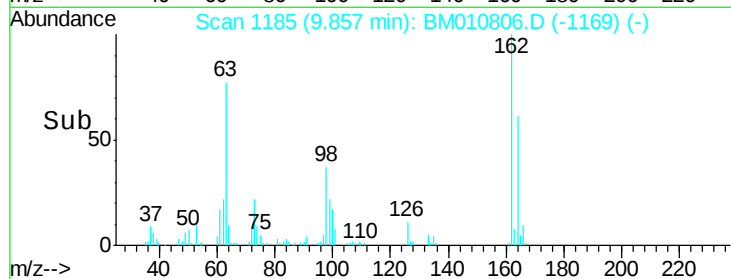
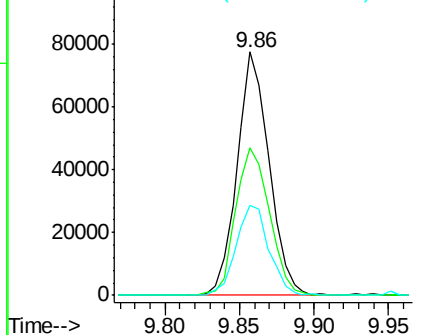
#29
 2,4-Dichlorophenol
 Concen: 7.896 ng
 RT: 9.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BM010806.D
 Acq: 13 Jul 2017 11:17

Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tgt Ion:162 Resp: 114969
 Ion Ratio Lower Upper
 162 100
 164 60.9 42.8 82.8
 98 37.2 14.5 54.5

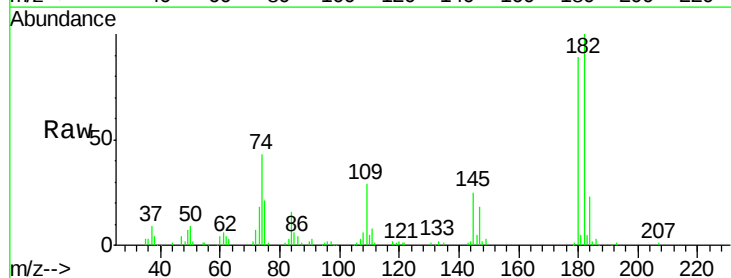


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BM

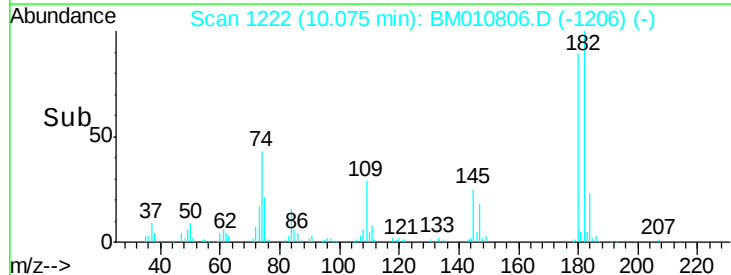
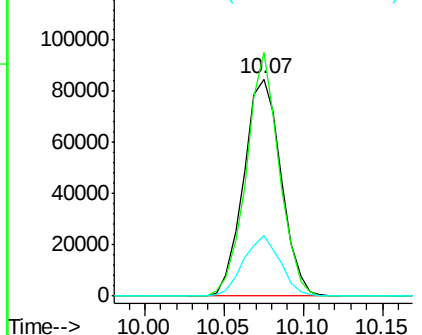


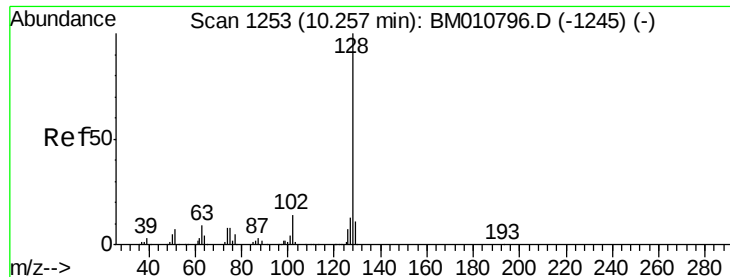
#30
 1,2,4-Trichlorobenzene
 Concen: 7.819 ng
 RT: 10.07 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: BM010806.D
 Acq: 13 Jul 2017 11:17

Tgt Ion:180 Resp: 139181
 Ion Ratio Lower Upper
 180 100
 182 112.2 77.6 116.4
 145 27.6 23.4 35.2



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

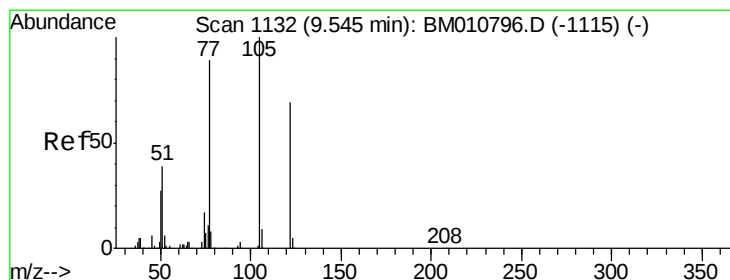
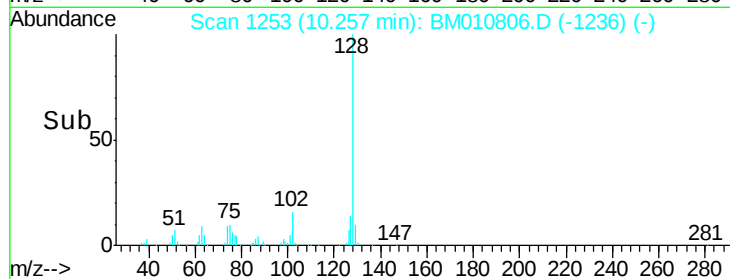
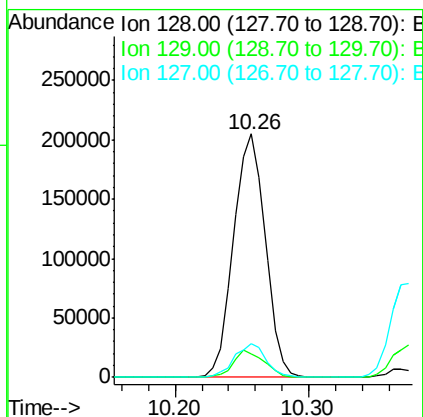
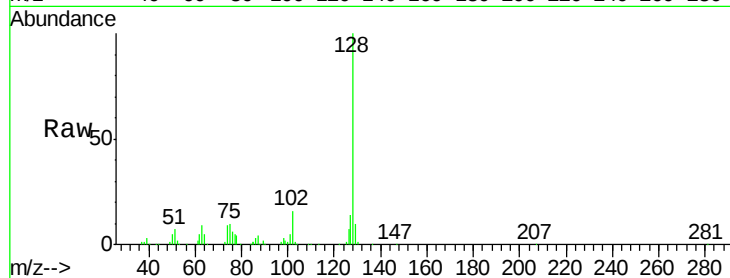




#31
Naphthalene
Concen: 8.197 ng
RT: 10.26 min Scan# 1253
Delta R.T. 0.00 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

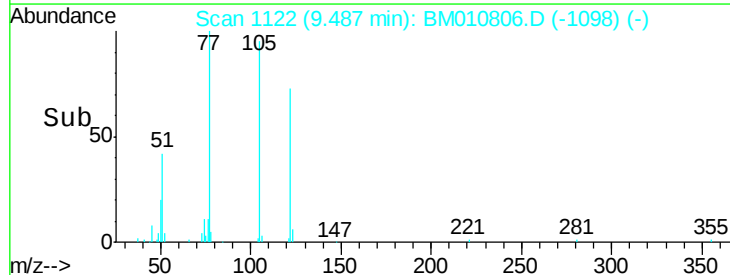
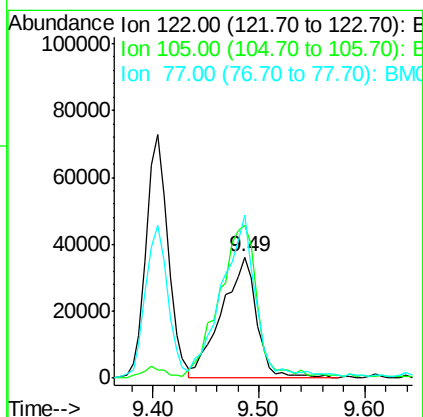
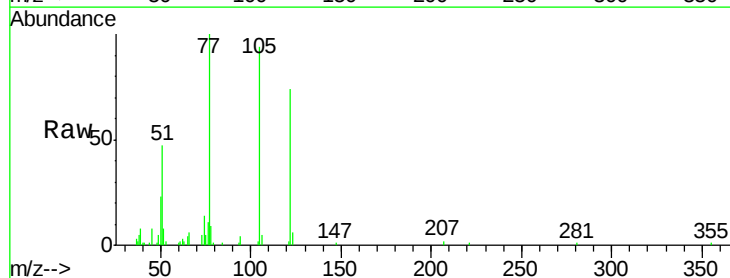
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

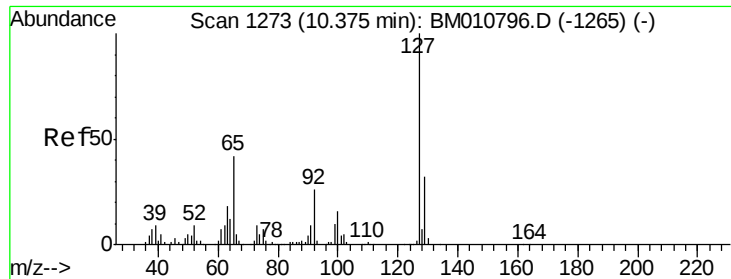
Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.5	8.9	13.3
127	13.9	10.4	15.6



#32
Benzoic acid
Concen: 8.231 ng
RT: 9.49 min Scan# 1122
Delta R.T. -0.06 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

Tgt Ion	Ratio	Lower	Upper
122	100		
105	126.3	99.9	139.9
77	134.7	73.7	113.7

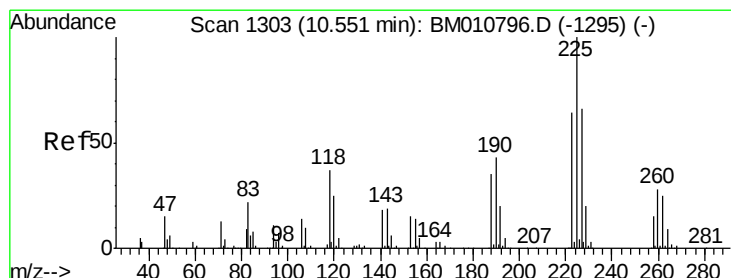
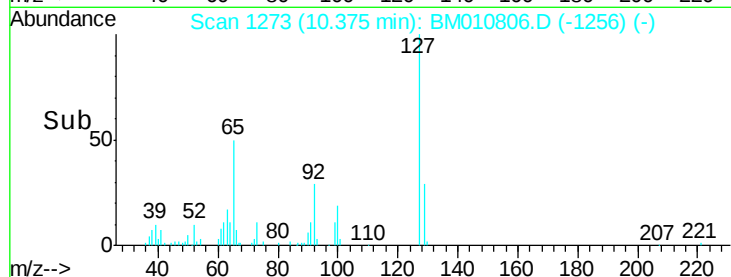
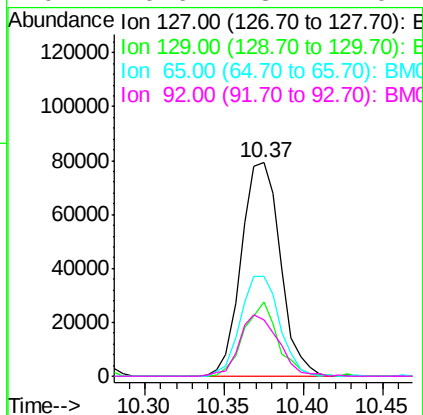
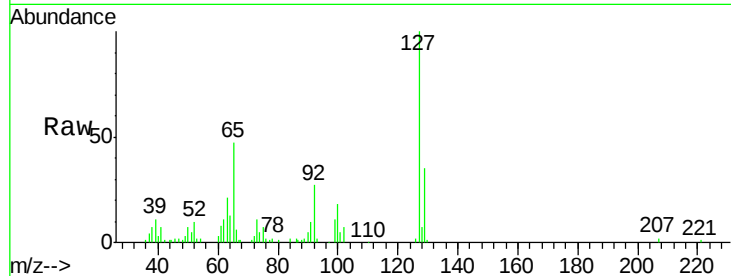




#33
4-Chloroaniline
Concen: 8.153 ng
RT: 10.37 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

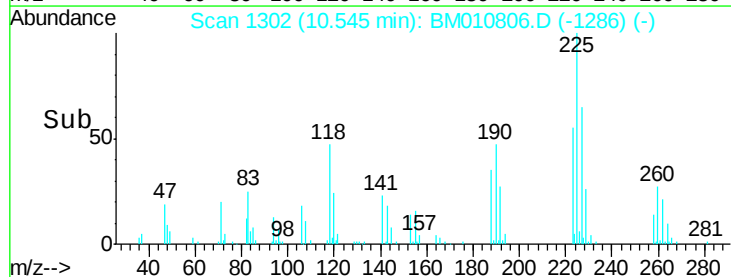
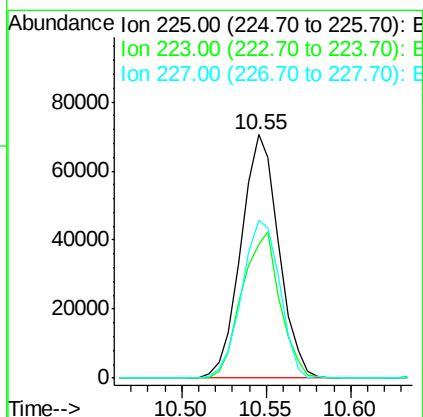
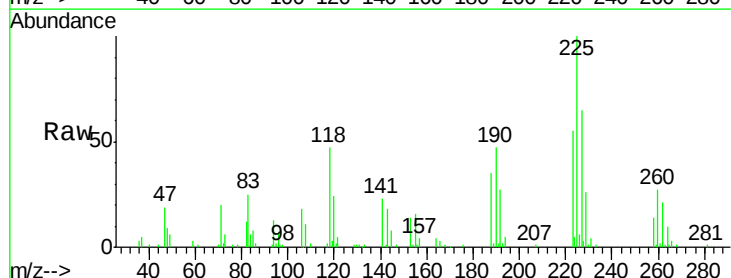
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

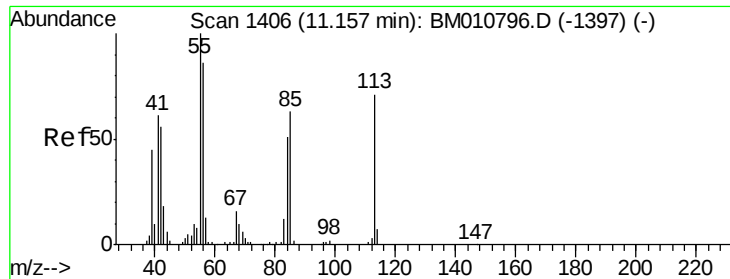
Tgt Ion:	127	Resp:	135966
Ion	Ratio	Lower	Upper
127	100		
129	34.7	25.3	37.9
65	47.0	17.6	26.4
92	26.6	13.1	19.7



#34
Hexachlorobutadiene
Concen: 7.949 ng
RT: 10.55 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

Tgt Ion:	225	Resp:	109794
Ion	Ratio	Lower	Upper
225	100		
223	54.7	47.9	71.9
227	65.0	50.1	75.1

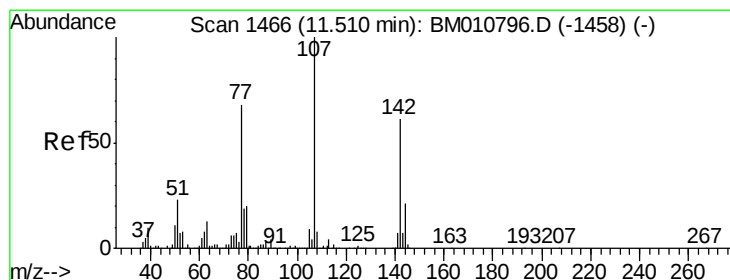
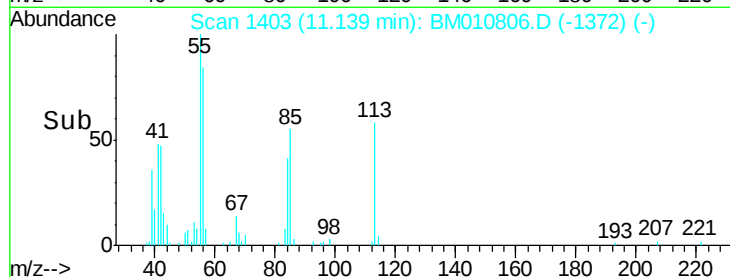
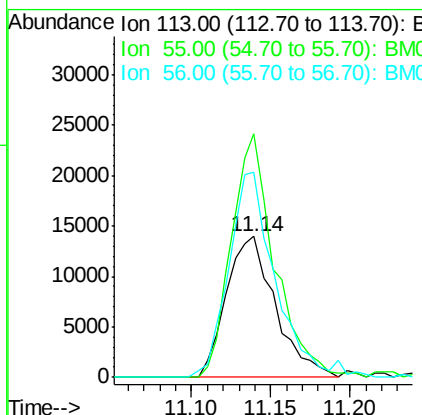
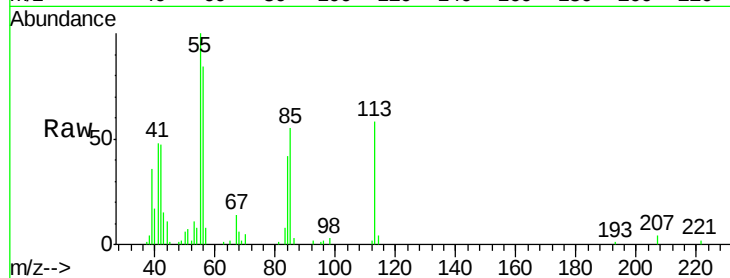




#35
 Caprolactam
 Concen: 7.718 ng
 RT: 11.14 min Scan# 1403
 Delta R.T. -0.02 min
 Lab File: BM010806.D
 Acq: 13 Jul 2017 11:17

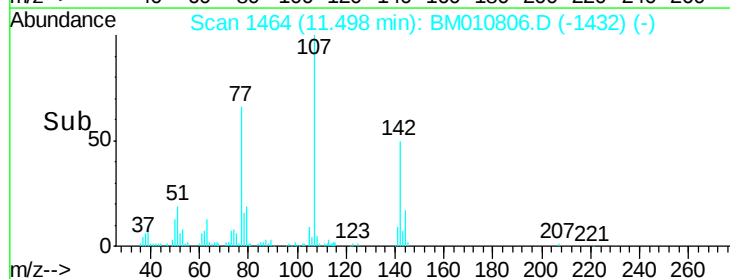
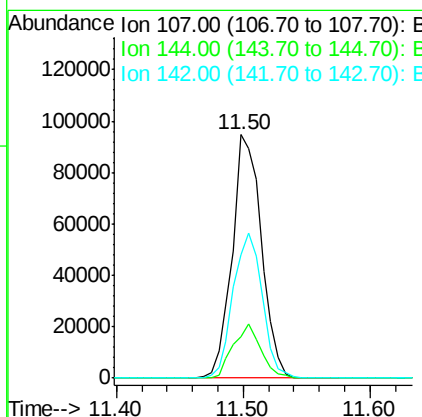
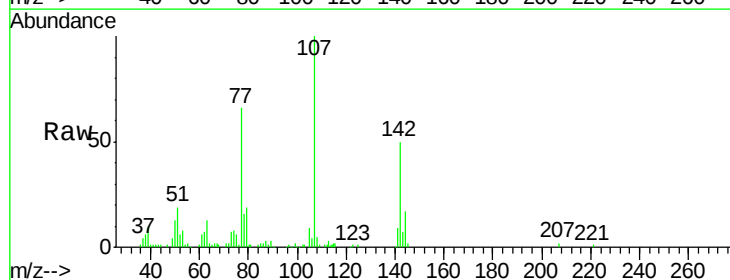
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

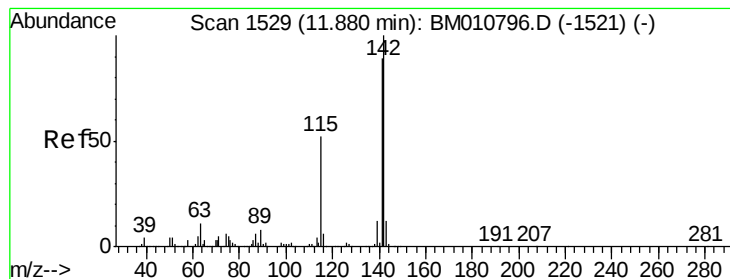
Tgt Ion:113 Resp: 29919
 Ion Ratio Lower Upper
 113 100
 55 173.1 145.9 185.9
 56 146.0 101.0 141.0#



#36
 4-Chloro-3-methylphenol
 Concen: 8.547 ng
 RT: 11.50 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BM010806.D
 Acq: 13 Jul 2017 11:17

Tgt Ion:107 Resp: 150533
 Ion Ratio Lower Upper
 107 100
 144 16.9 23.3 34.9#
 142 50.4 72.6 109.0#





#37

2-Methylnaphthalene

Concen: 8.265 ng

RT: 11.88 min Scan# 1529

Delta R.T. 0.00 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

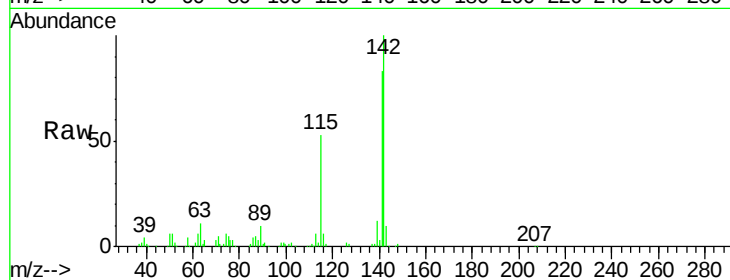
Tgt Ion:142 Resp: 245706

Ion Ratio Lower Upper

142 100

141 83.5 71.9 107.9

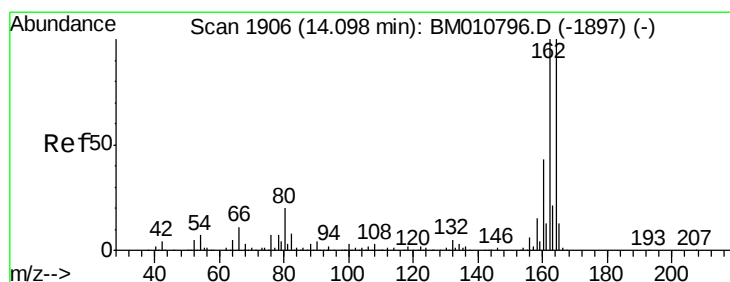
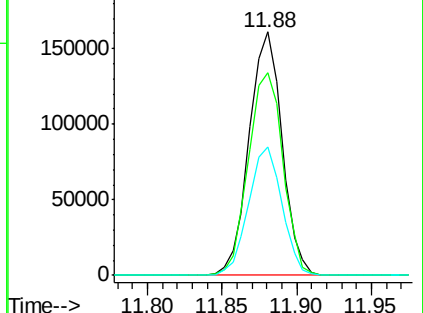
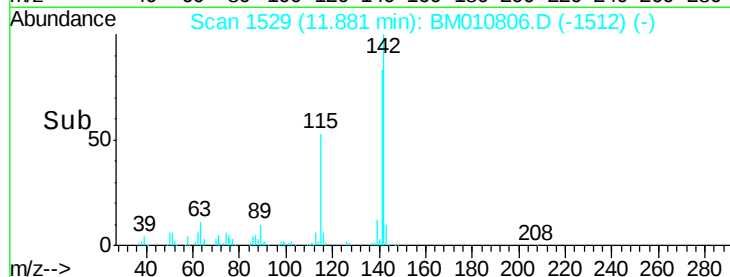
115 52.7 25.4 38.0#



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: 14.10 min Scan# 1906

Delta R.T. 0.00 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

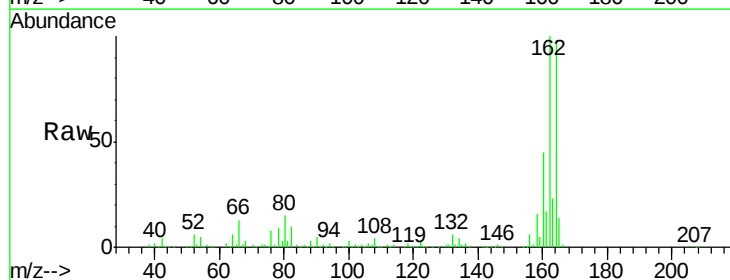
Tgt Ion:164 Resp: 569806

Ion Ratio Lower Upper

164 100

162 102.1 82.4 123.6

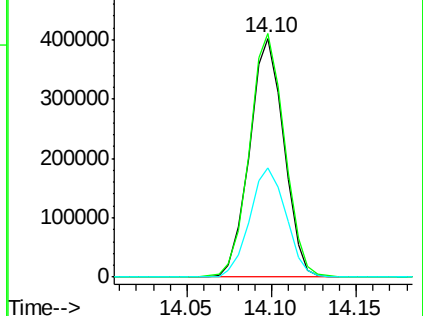
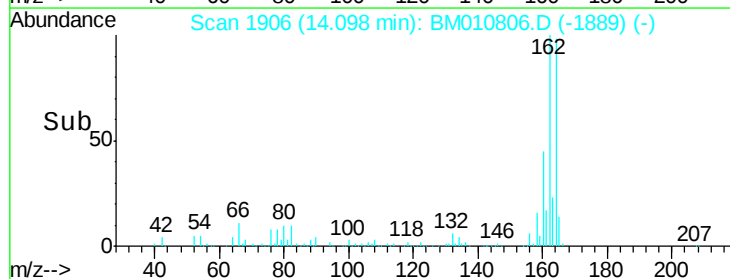
160 45.9 35.8 53.6

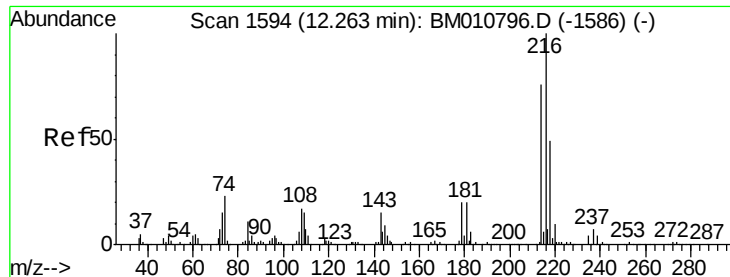


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

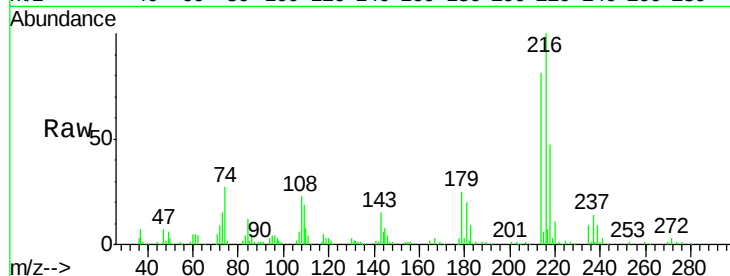




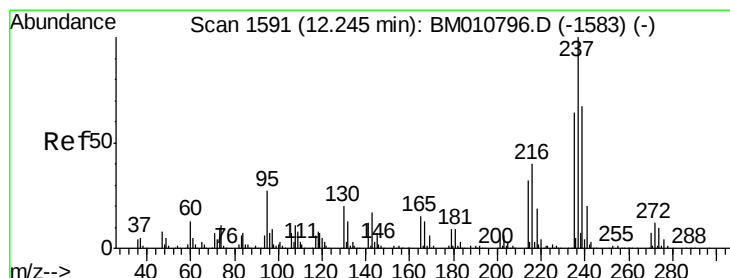
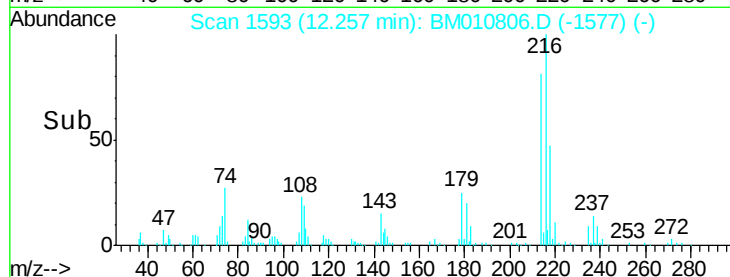
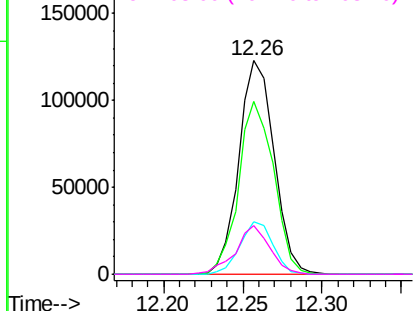
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 7.634 ng
 RT: 12.26 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BM010806.D
 Acq: 13 Jul 2017 11:17

Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tgt Ion:	216	Resp:	189612
Ion	Ratio	Lower	Upper
216	100		
214	80.6	0.0	0.0#
179	23.1	0.0	0.0#
108	22.3	0.0	0.0#

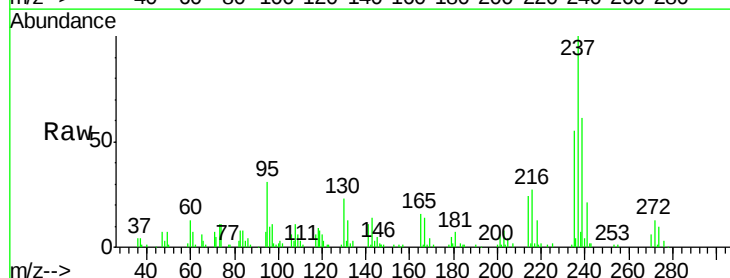


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

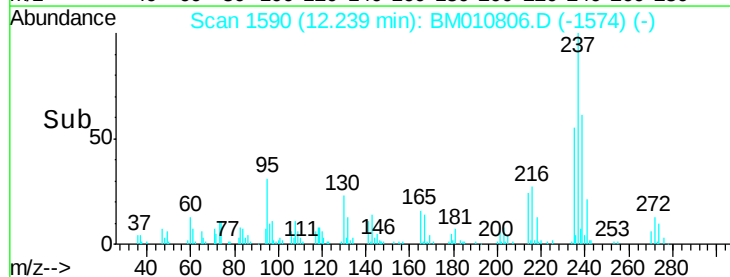
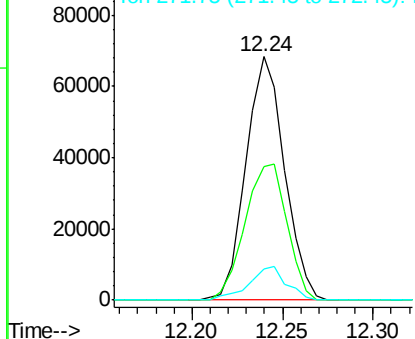


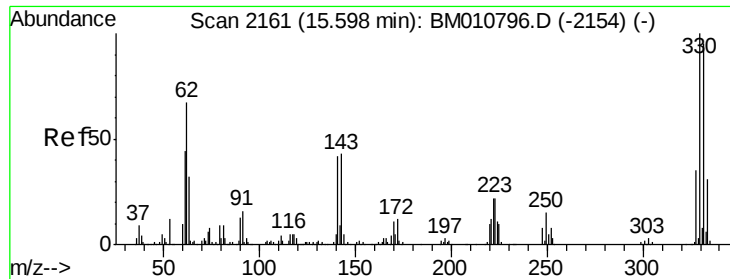
#40
 Hexachlorocyclopentadiene
 Concen: 7.098 ng
 RT: 12.24 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BM010806.D
 Acq: 13 Jul 2017 11:17

Tgt Ion:	237	Resp:	101061
Ion	Ratio	Lower	Upper
237	100		
235	54.9	42.0	82.0
272	12.8	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

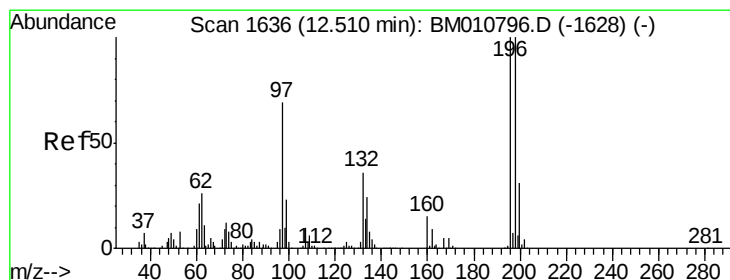
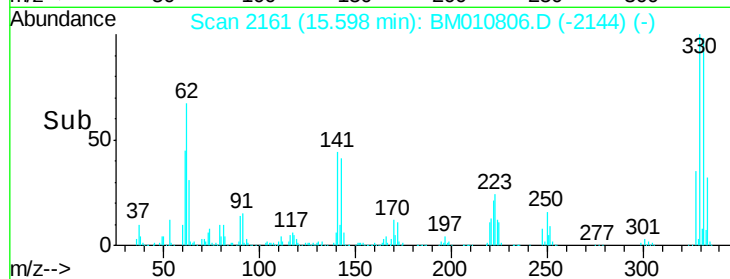
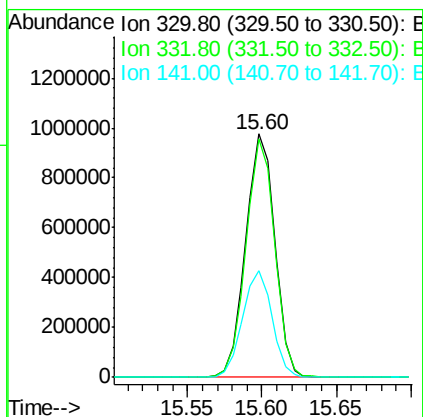
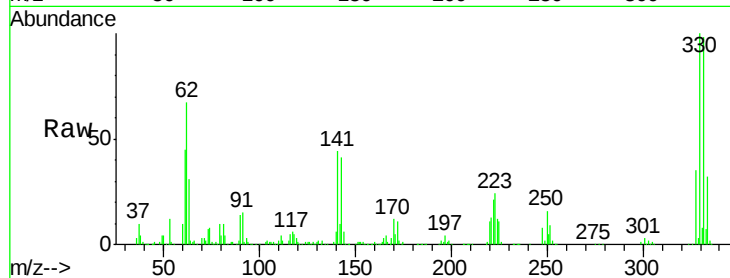




#41
 2,4,6-Tribromophenol
 Concen: 151.084 ng
 RT: 15.60 min Scan# 2161
 Delta R.T. 0.00 min
 Lab File: BM010806.D
 Acq: 13 Jul 2017 11:17

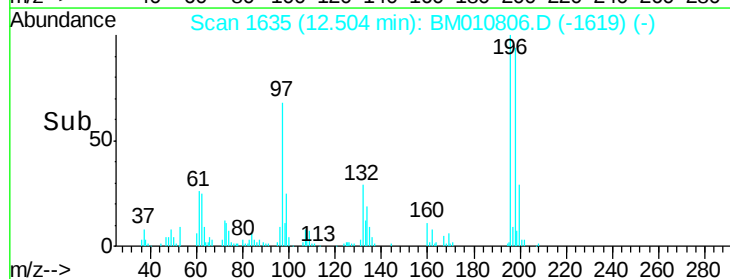
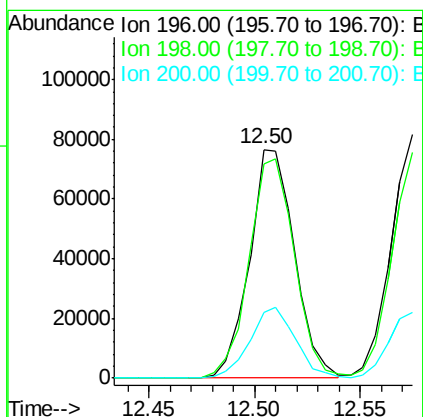
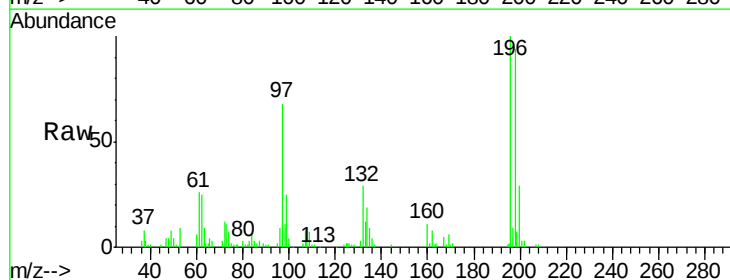
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

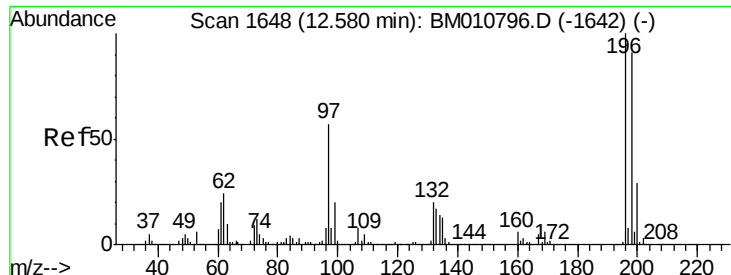
Tgt Ion:330 Resp: 1315598
 Ion Ratio Lower Upper
 330 100
 332 96.8 0.0 0.0#
 141 44.3 0.0 0.0#



#42
 2,4,6-Trichlorophenol
 Concen: 7.423 ng
 RT: 12.50 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BM010806.D
 Acq: 13 Jul 2017 11:17

Tgt Ion:196 Resp: 113530
 Ion Ratio Lower Upper
 196 100
 198 93.7 76.3 114.5
 200 29.0 25.6 38.4

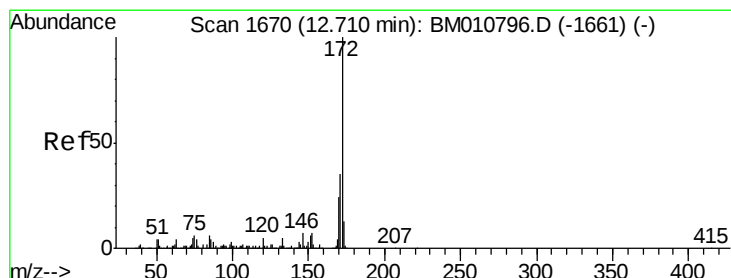
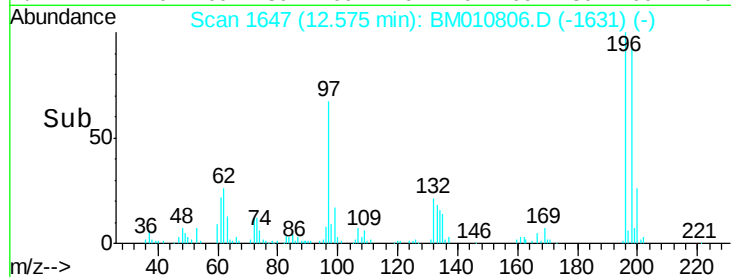
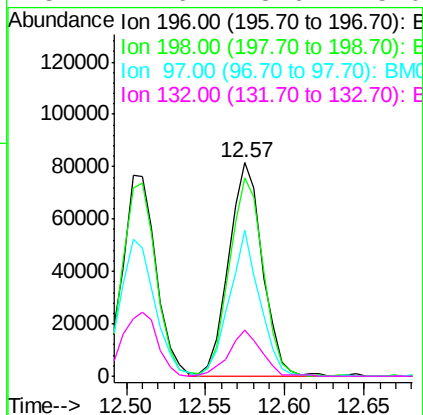
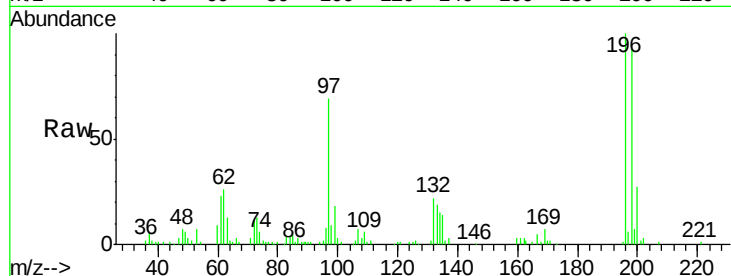




#43
2,4,5-Trichlorophenol
Concen: 7.981 ng
RT: 12.57 min Scan# 1647
Delta R.T. -0.01 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

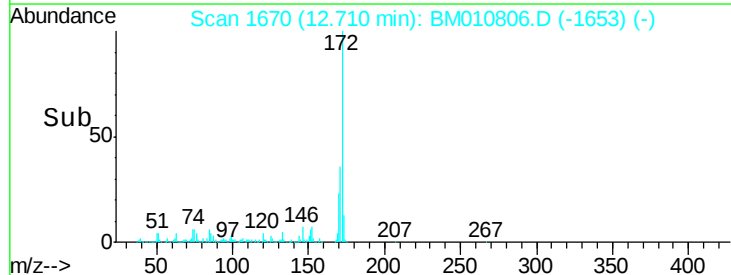
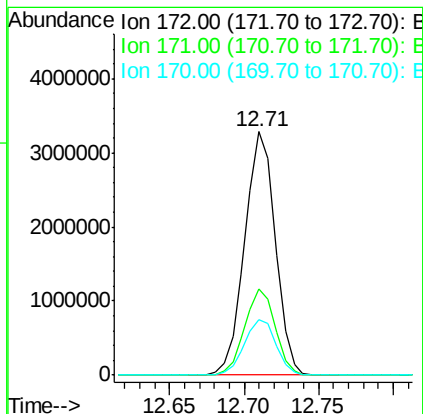
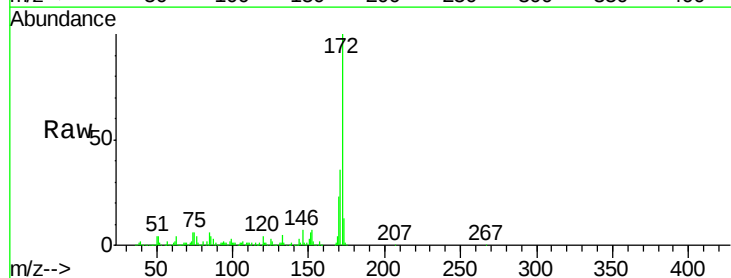
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

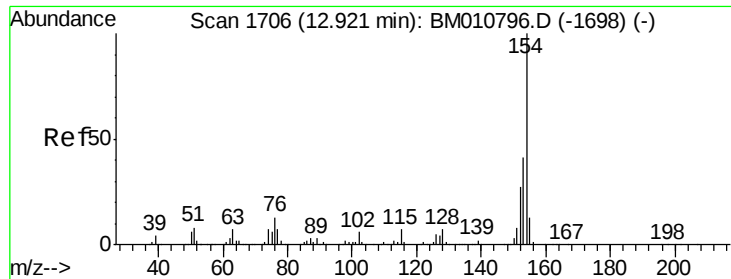
Tgt Ion	Ratio	Lower	Upper
196	100		
198	92.8	79.4	119.0
97	68.6	26.8	40.2
132	21.6	18.6	28.0



#44
2-Fluorobiphenyl
Concen: 101.384 ng
RT: 12.71 min Scan# 1670
Delta R.T. 0.00 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.5	42.7
170	23.0	18.8	28.2

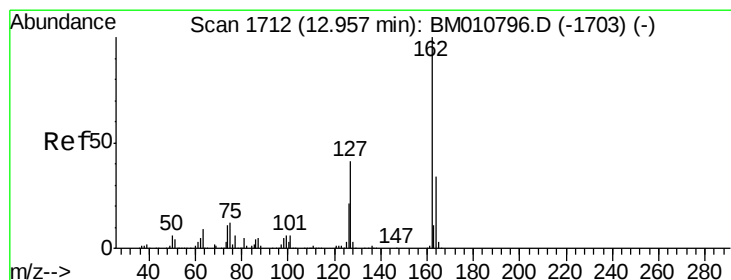
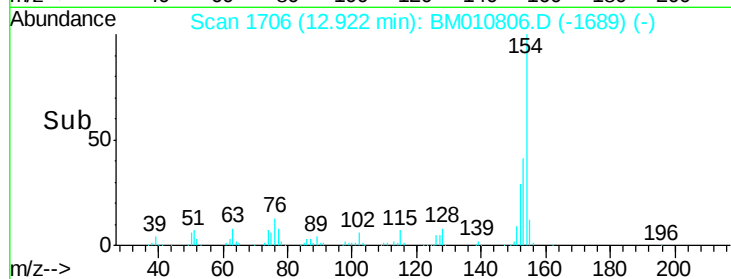
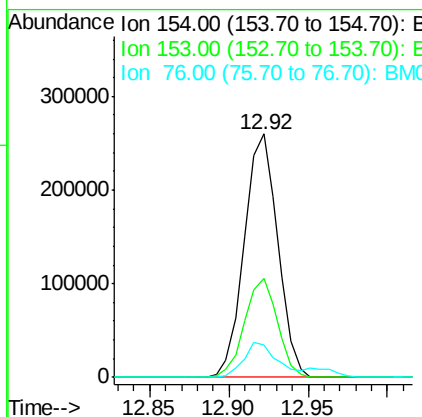
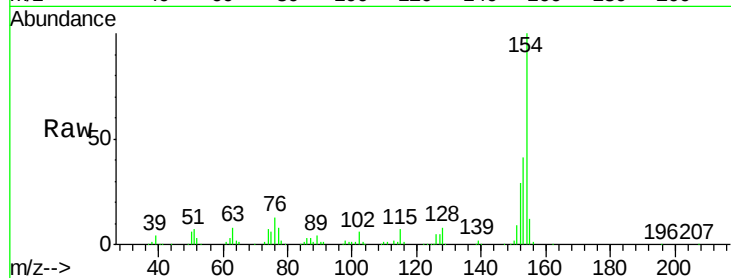




#45
 1,1'-Biphenyl
 Concen: 7.711 ng
 RT: 12.92 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: BM010806.D
 Acq: 13 Jul 2017 11:17

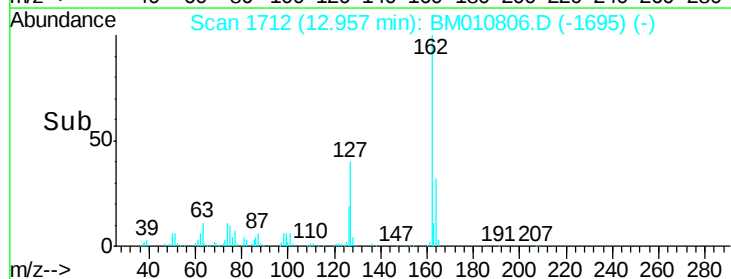
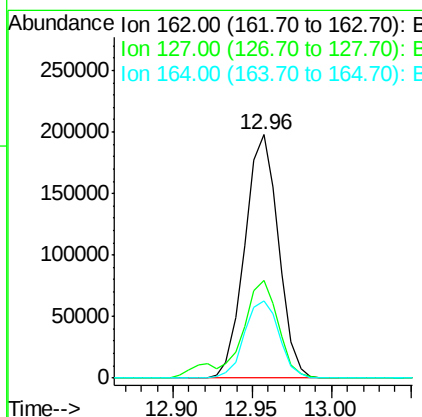
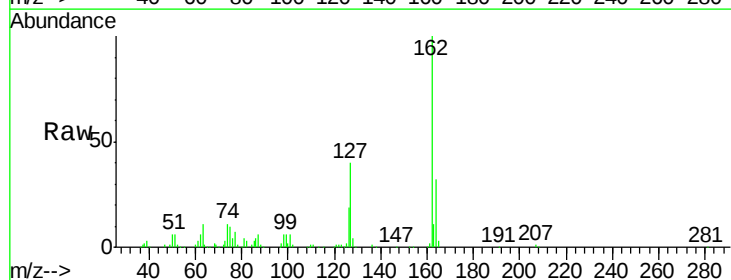
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

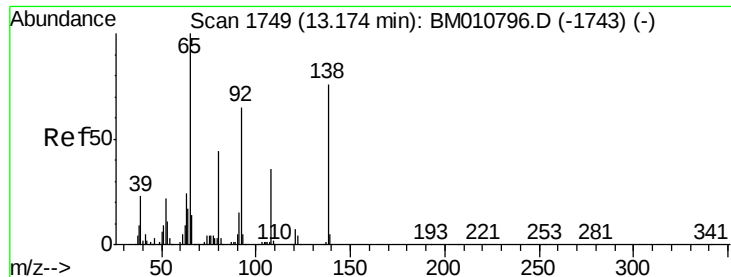
Tgt Ion:154 Resp: 382798
 Ion Ratio Lower Upper
 154 100
 153 40.7 20.7 60.7
 76 13.2 0.0 30.9



#46
 2-Chloronaphthalene
 Concen: 8.009 ng
 RT: 12.96 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: BM010806.D
 Acq: 13 Jul 2017 11:17

Tgt Ion:162 Resp: 291517
 Ion Ratio Lower Upper
 162 100
 127 40.2 26.9 40.3
 164 31.6 26.8 40.2





#47

2-Nitroaniline

Concen: 7.677 ng

RT: 13.17 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

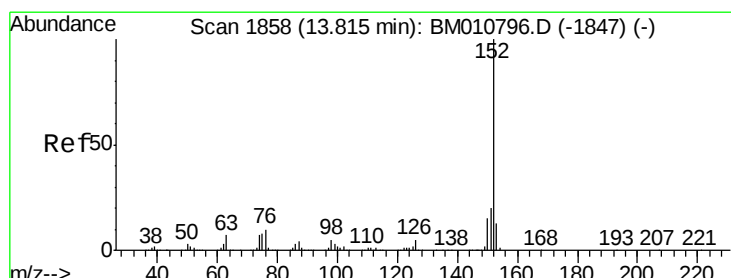
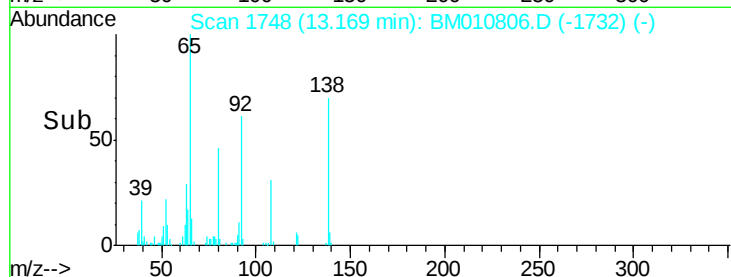
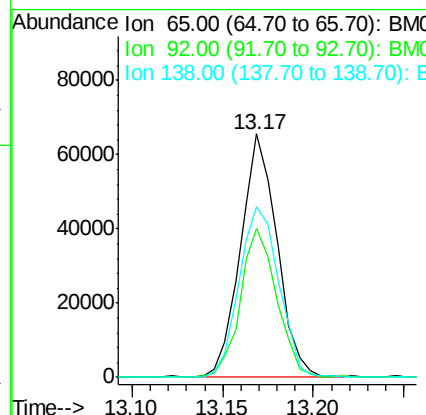
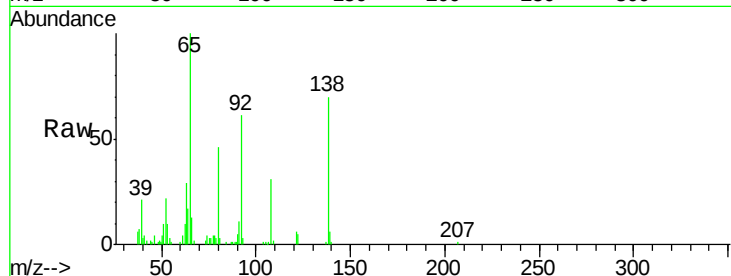
Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Lower	Upper
65	100		
92	60.9	59.1	88.7
138	69.9	93.9	140.9#



#48

Acenaphthylene

Concen: 8.024 ng

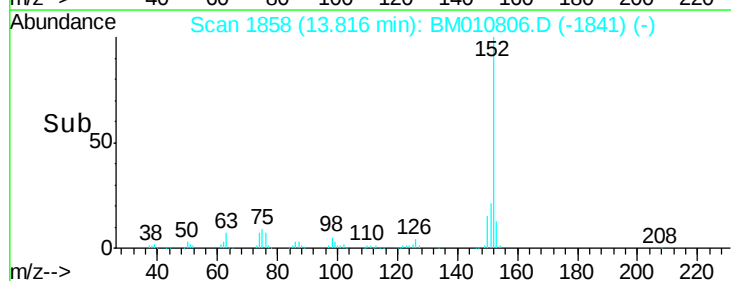
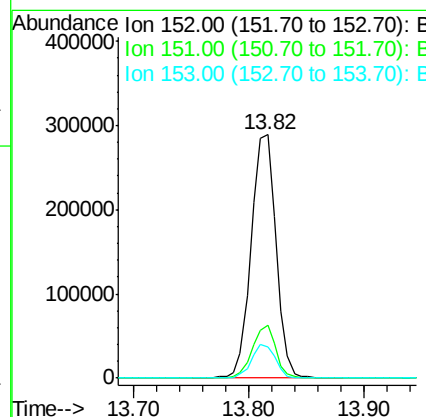
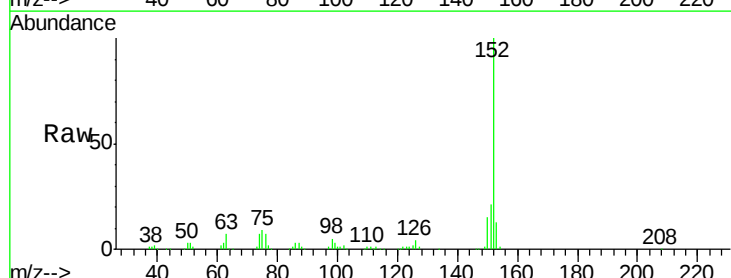
RT: 13.82 min Scan# 1858

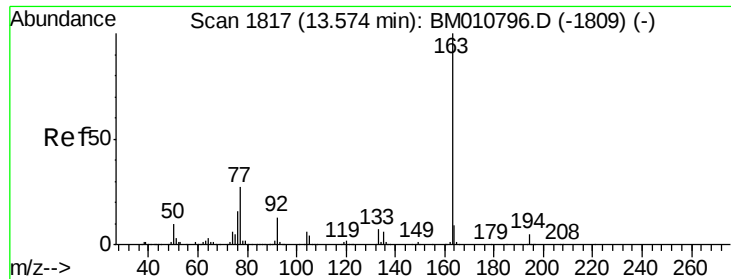
Delta R.T. 0.00 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.5	15.9	23.9
153	12.8	10.6	16.0





#49

Dimethylphthalate

Concen: 8.216 ng

RT: 13.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

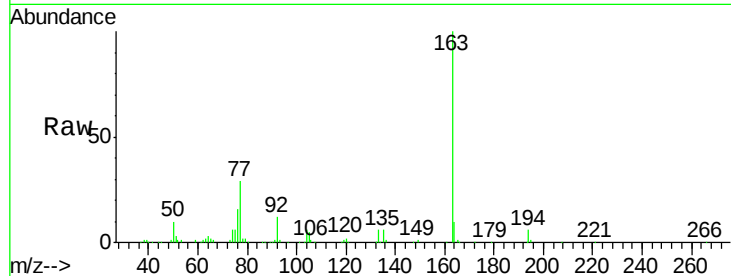
Tgt Ion:163 Resp: 398288

Ion Ratio Lower Upper

163 100

194 5.7 2.7 4.1#

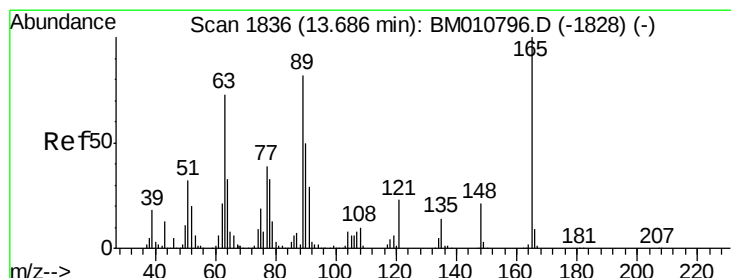
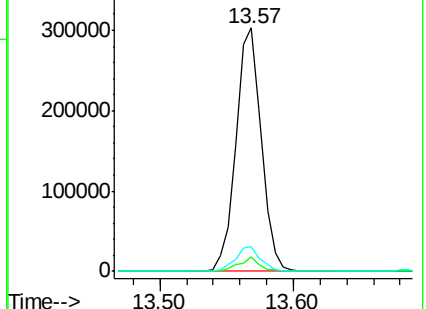
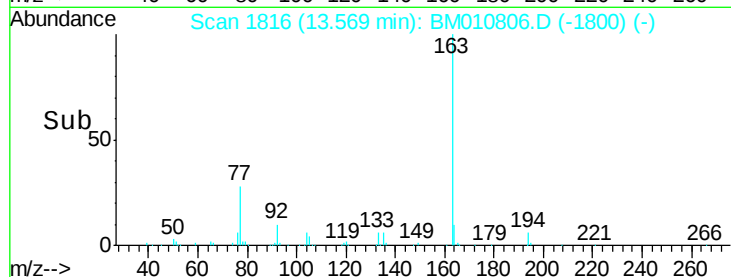
164 10.1 8.2 12.2



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: 8.250 ng

RT: 13.68 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

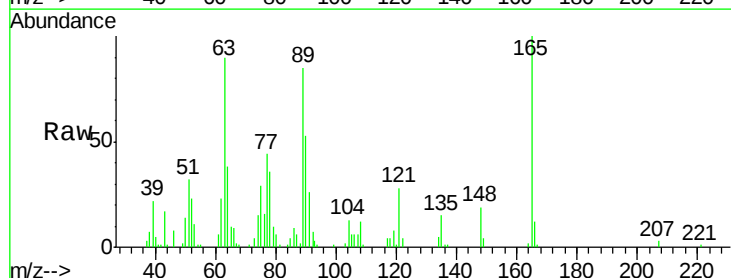
Tgt Ion:165 Resp: 78448

Ion Ratio Lower Upper

165 100

63 89.5 44.1 66.1#

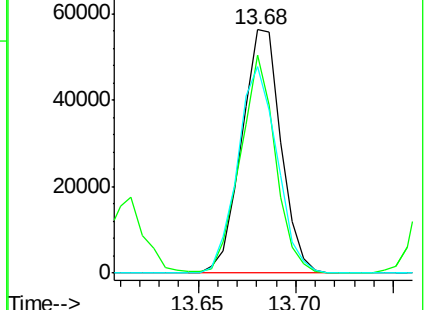
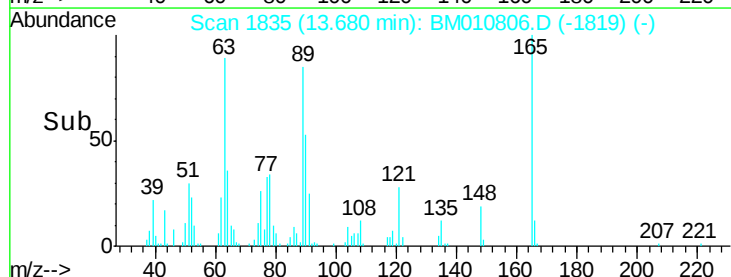
89 84.7 44.3 66.5#

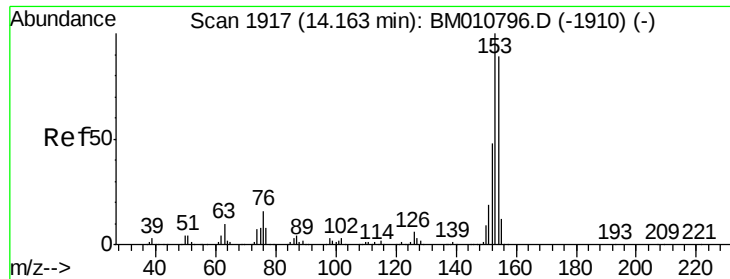


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0





#51

Acenaphthene

Concen: 8.024 ng

RT: 14.16 min Scan# 1916

Delta R.T. -0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

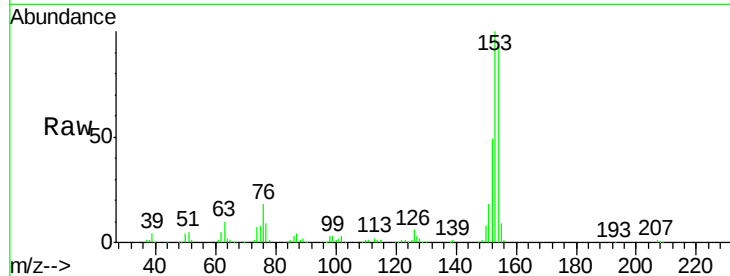
Tgt Ion:154 Resp: 265448

Ion Ratio Lower Upper

154 100

153 105.7 90.0 135.0

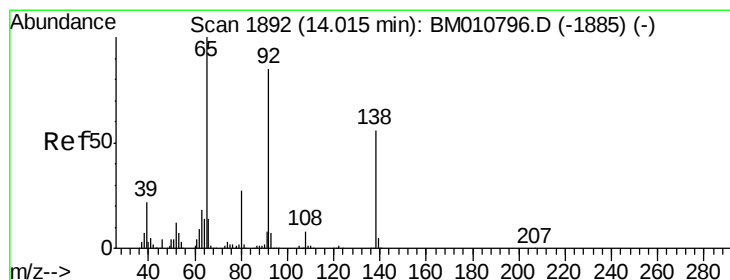
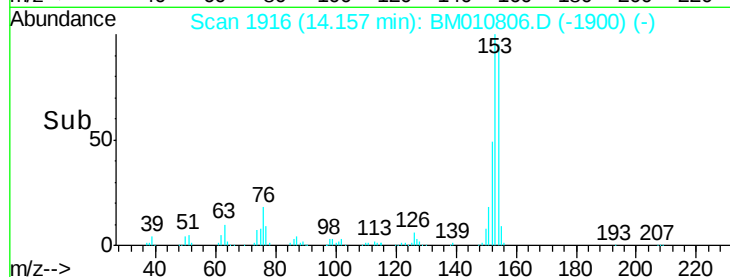
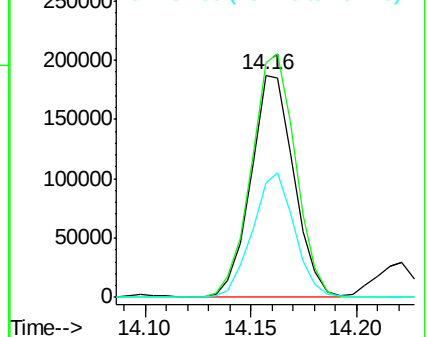
152 51.8 42.6 63.8



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: 7.472 ng

RT: 14.01 min Scan# 1891

Delta R.T. -0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

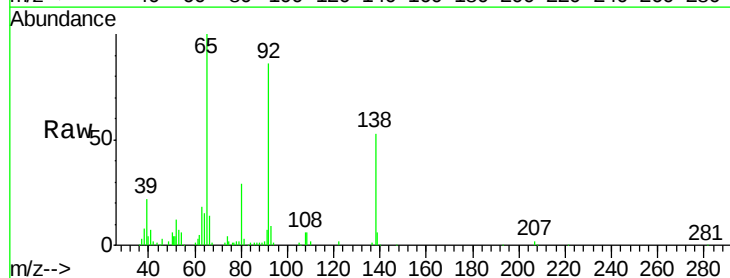
Tgt Ion:138 Resp: 64586

Ion Ratio Lower Upper

138 100

108 22.9 7.3 10.9#

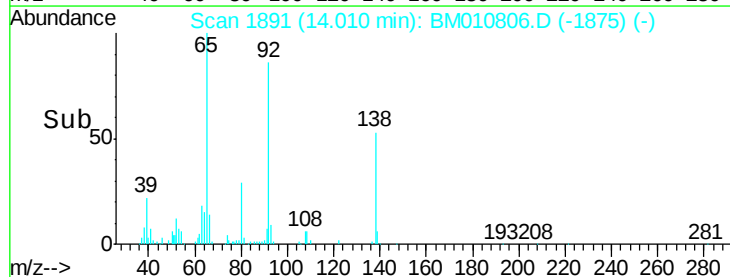
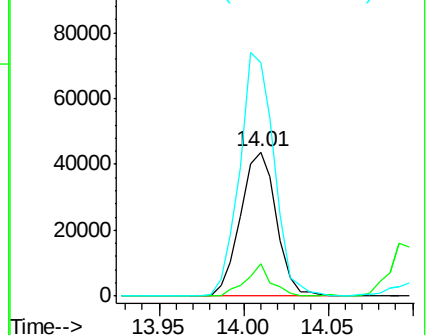
92 162.7 76.6 114.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM

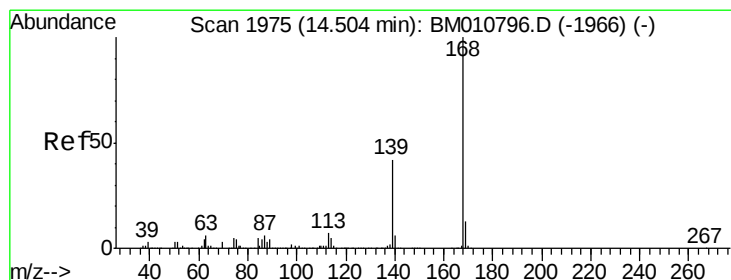
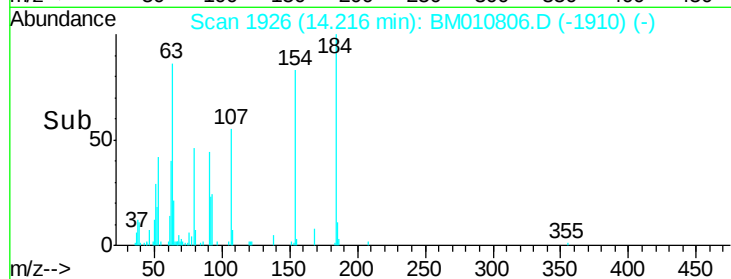
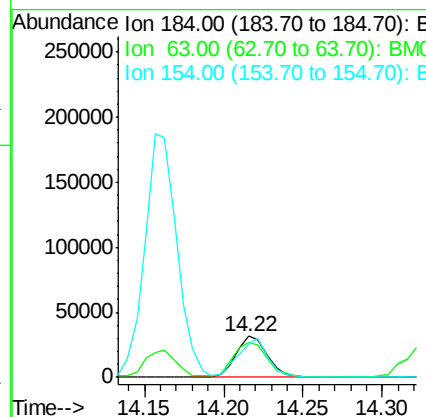
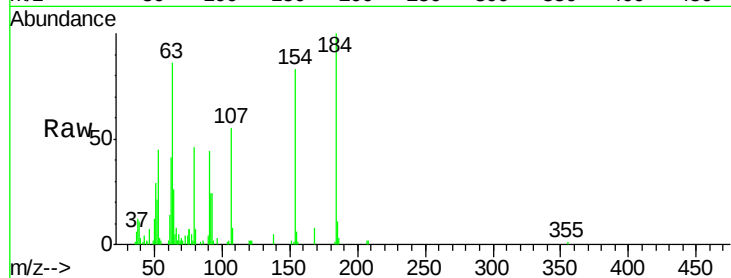




#53
2,4-Dinitrophenol
Concen: 6.722 ng
RT: 14.22 min Scan# 1926
Delta R.T. -0.01 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

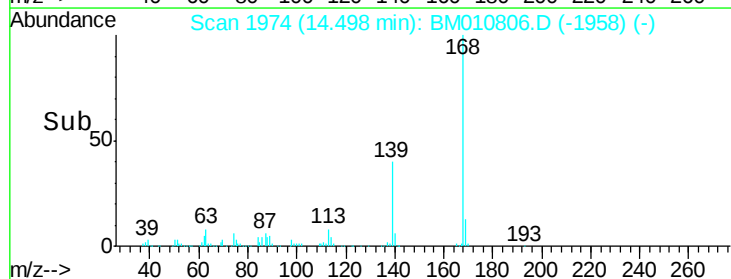
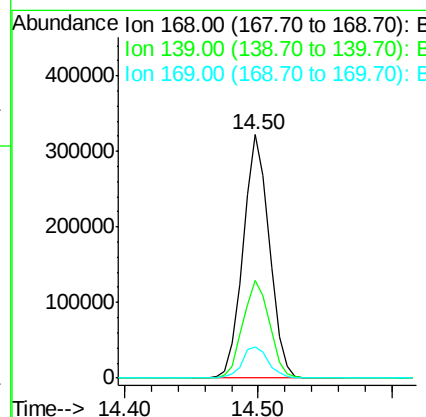
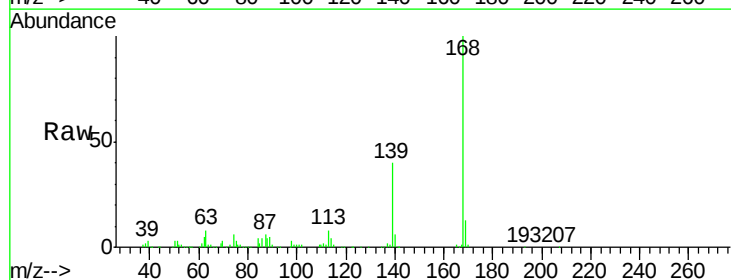
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

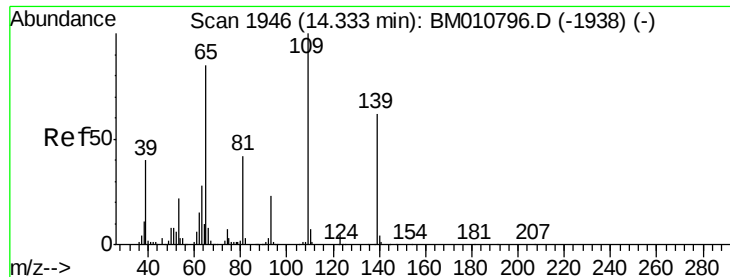
Tgt Ion:184 Resp: 44184
Ion Ratio Lower Upper
184 100
63 86.0 69.2 103.8
154 83.0 53.3 79.9#



#54
Dibenzofuran
Concen: 8.152 ng
RT: 14.50 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

Tgt Ion:168 Resp: 436237
Ion Ratio Lower Upper
168 100
139 40.0 27.3 40.9
169 12.6 10.6 16.0

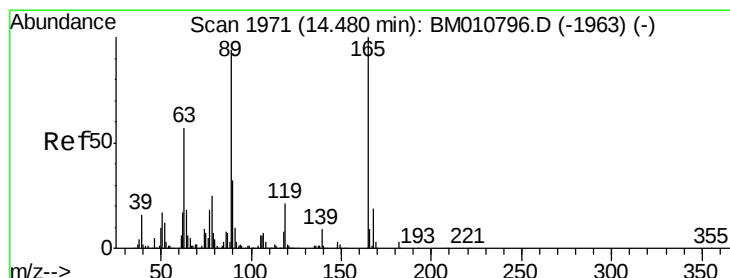
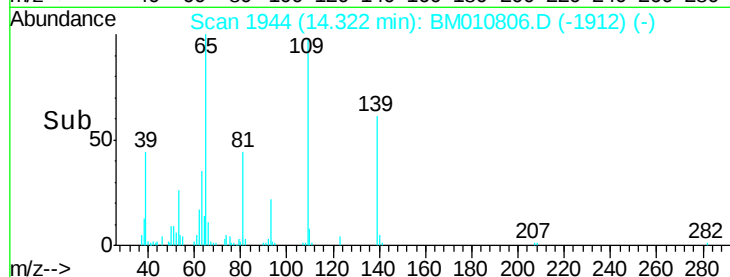
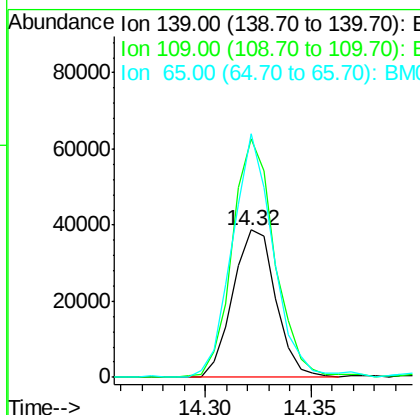
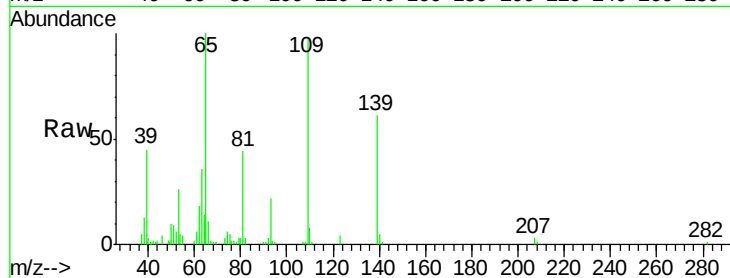




#55
4-Nitrophenol
Concen: 7.252 ng
RT: 14.32 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

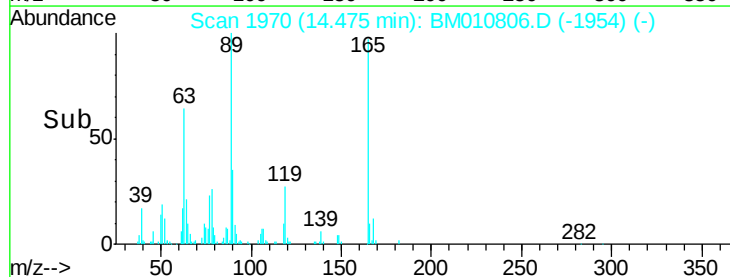
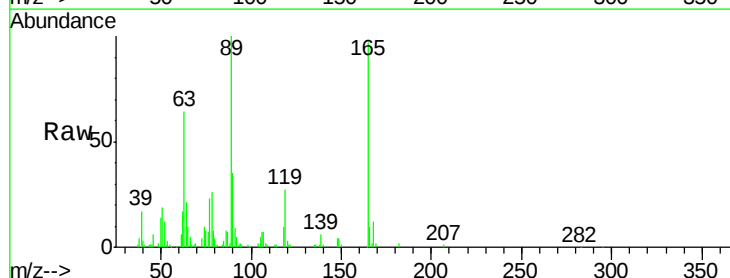
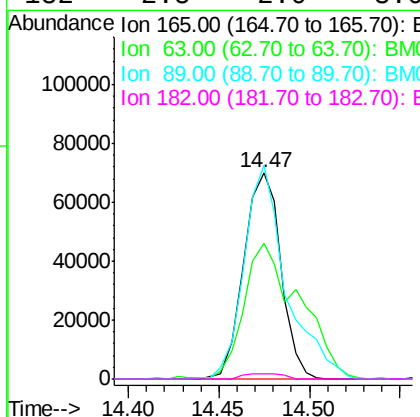
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion:139 Resp: 54442
Ion Ratio Lower Upper
139 100
109 162.0 37.7 77.7#
65 165.1 49.9 89.9#



#56
2,4-Dinitrotoluene
Concen: 7.541 ng
RT: 14.47 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

Tgt Ion:165 Resp: 99495
Ion Ratio Lower Upper
165 100
63 65.7 52.4 78.6
89 103.4 72.4 108.6
182 2.5 2.0 3.0





#57

Fluorene

Concen: 7.811 ng

RT: 15.15 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

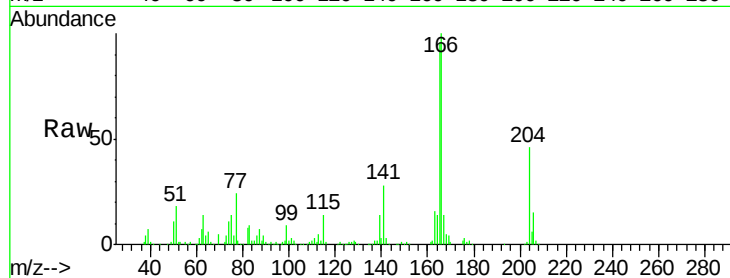
Tgt Ion:166 Resp: 359312

Ion Ratio Lower Upper

166 100

165 96.0 79.0 118.4

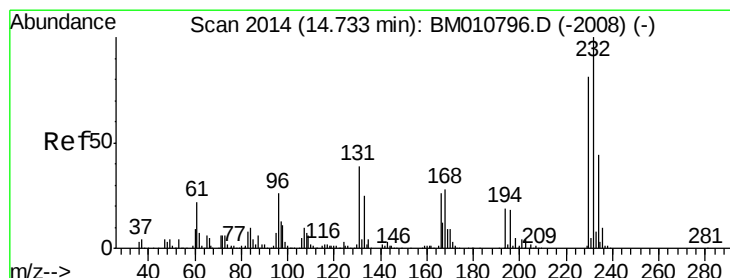
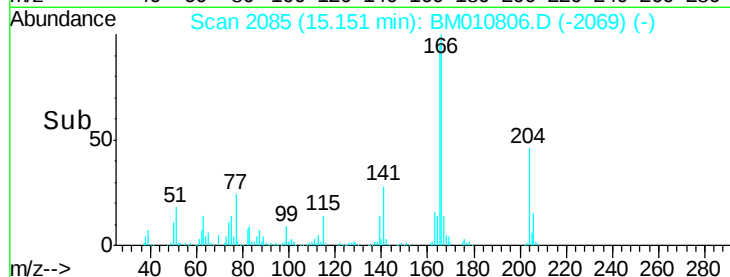
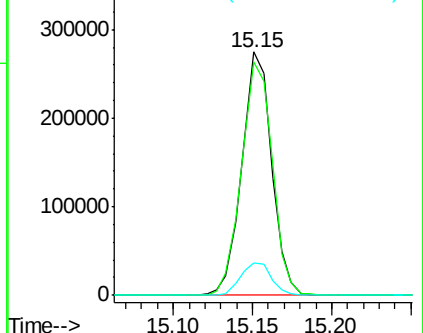
167 13.5 10.3 15.5



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: 7.770 ng

RT: 14.73 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Tgt Ion:232 Resp: 109013

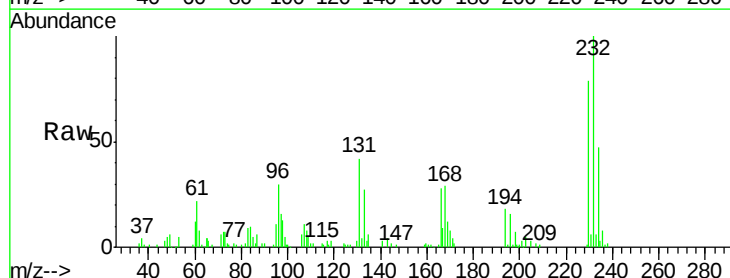
Ion Ratio Lower Upper

232 100

131 43.4 0.0 0.0#

130 2.7 0.0 0.0#

166 29.2 0.0 0.0#

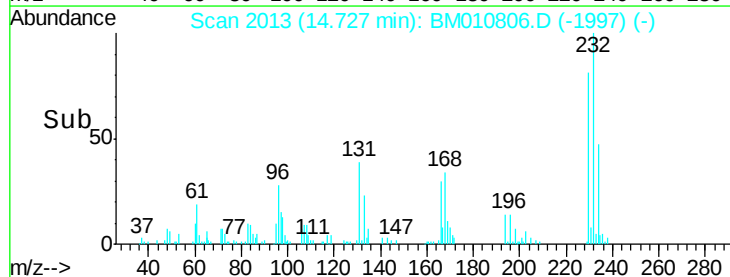
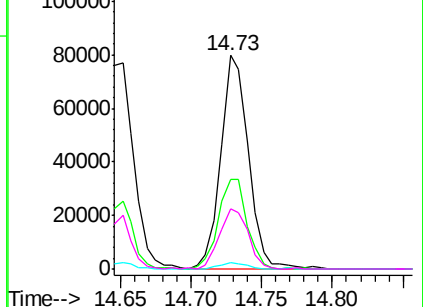


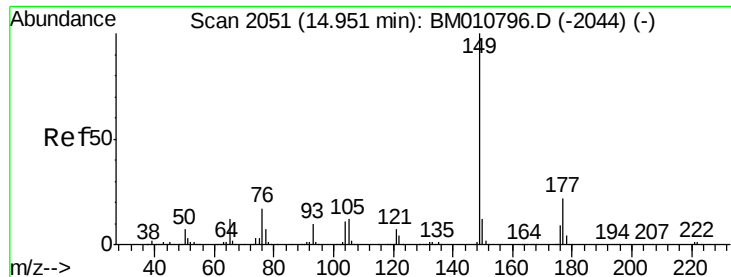
Abundance Ion 232.00 (231.70 to 232.70): E

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

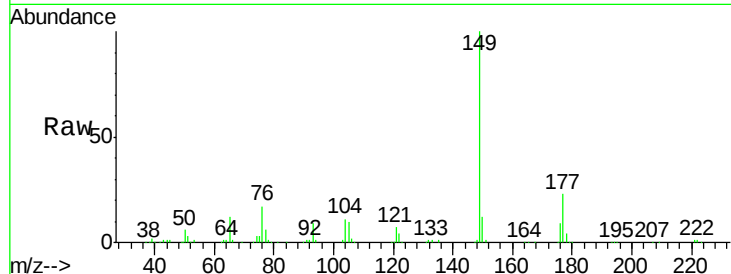




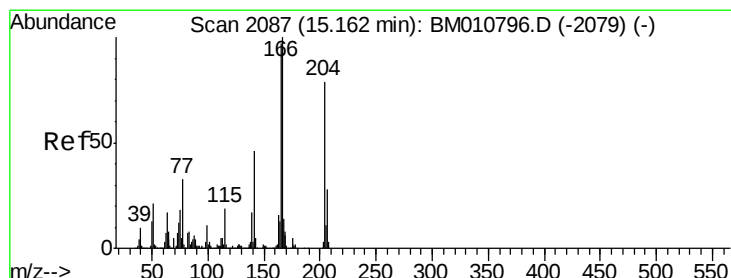
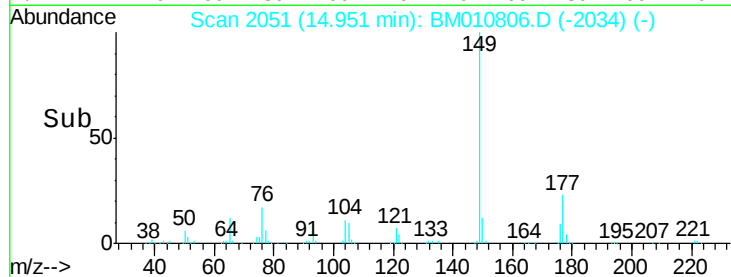
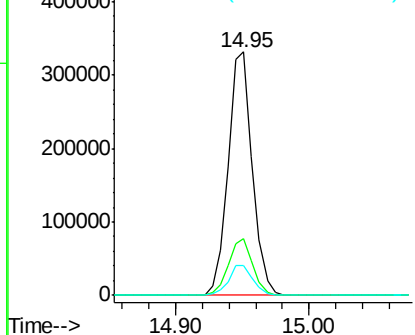
#59
Diethylphthalate
Concen: 8.813 ng
RT: 14.95 min Scan# 2051
Delta R.T. 0.00 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion:149 Resp: 421918
Ion Ratio Lower Upper
149 100
177 23.0 18.3 27.5
150 12.0 9.8 14.8

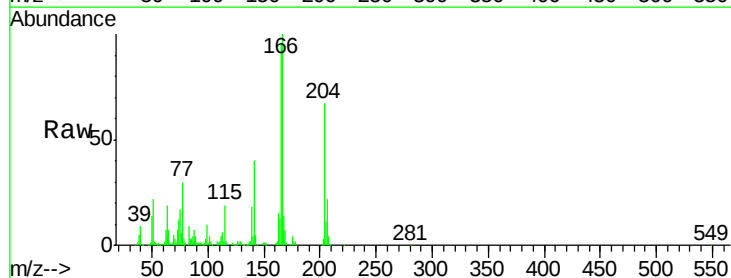


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

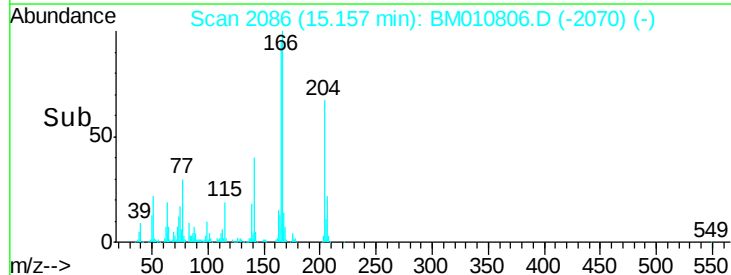
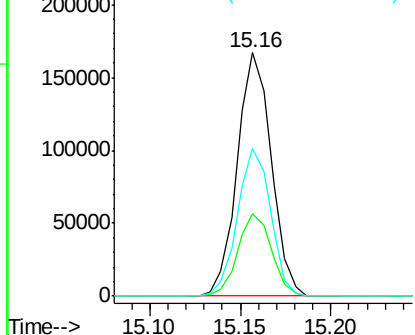


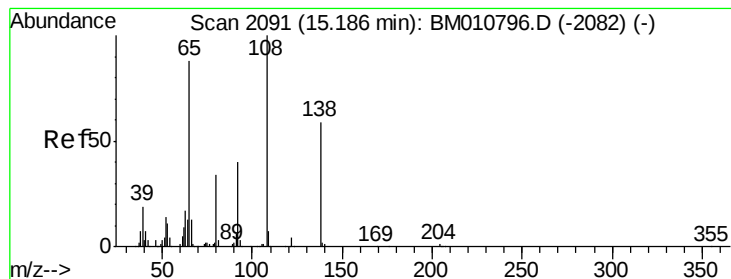
#60
4-Chlorophenyl-phenylether
Concen: 7.717 ng
RT: 15.16 min Scan# 2086
Delta R.T. -0.01 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

Tgt Ion:204 Resp: 218060
Ion Ratio Lower Upper
204 100
206 33.8 26.6 39.8
141 60.7 45.2 67.8



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





#61

4-Nitroaniline

Concen: 7.597 ng

RT: 15.17 min Scan# 2089

Delta R.T. -0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

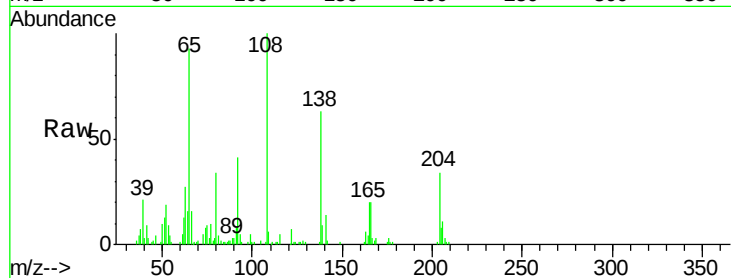
Tgt Ion: 138 Resp: 68634

Ion Ratio Lower Upper

138 100

92 65.3 16.7 56.7#

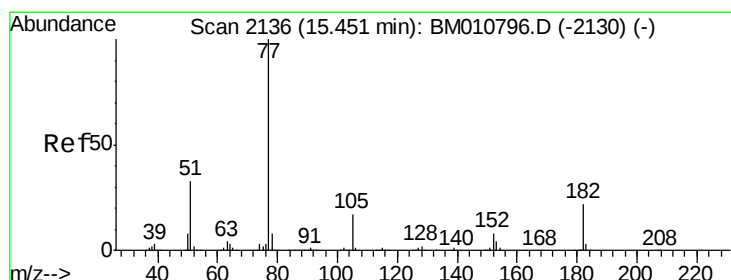
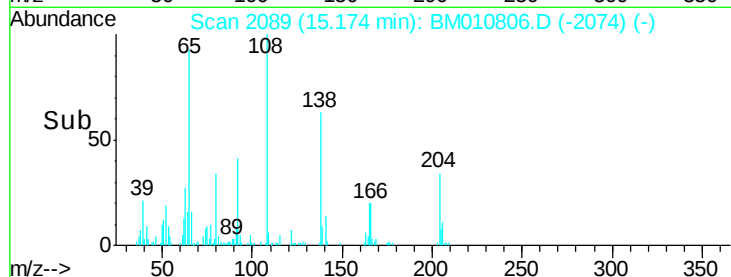
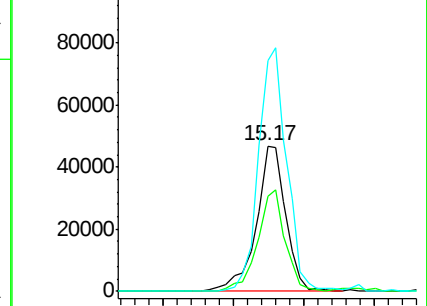
108 158.8 37.6 77.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 8.125 ng

RT: 15.45 min Scan# 2136

Delta R.T. 0.00 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Tgt Ion: 77 Resp: 394989

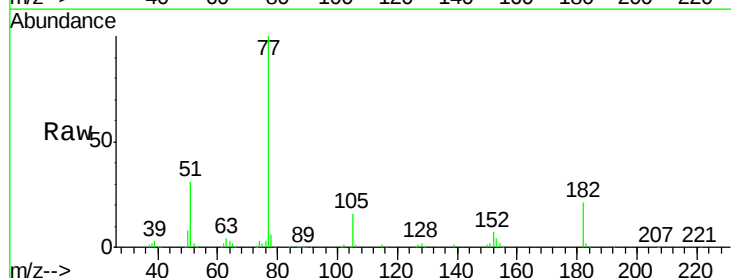
Ion Ratio Lower Upper

77 100

182 21.4 6.5 46.5

105 15.9 3.8 43.8

51 31.5 5.5 45.5

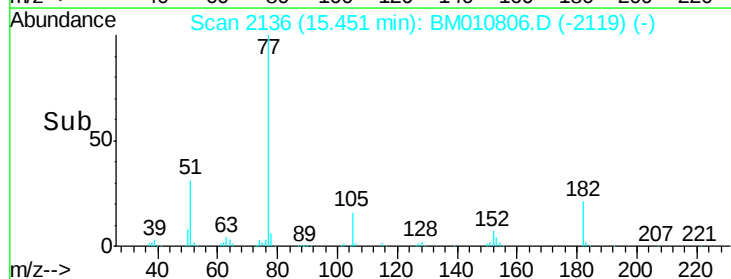
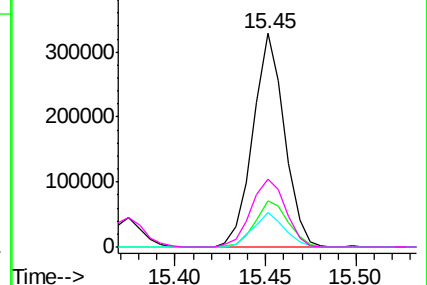


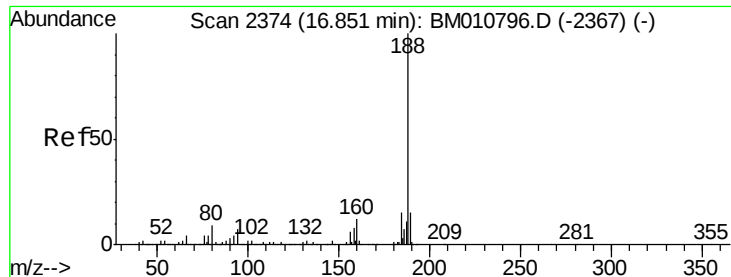
Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.85 min Scan# 2374

Delta R.T. 0.00 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

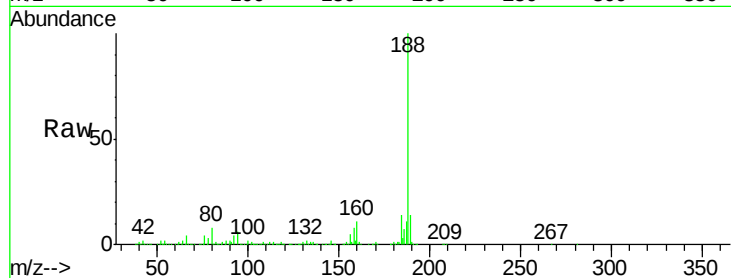
Tgt Ion:188 Resp: 1427612

Ion Ratio Lower Upper

188 100

94 6.5 8.7 13.1#

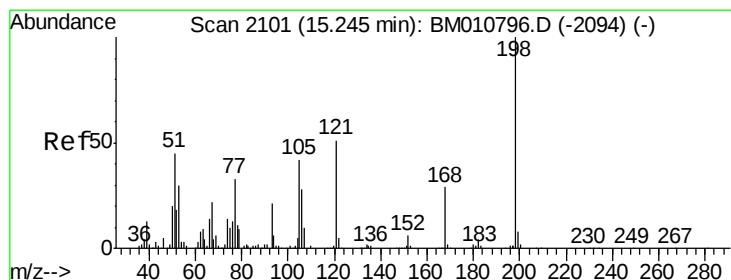
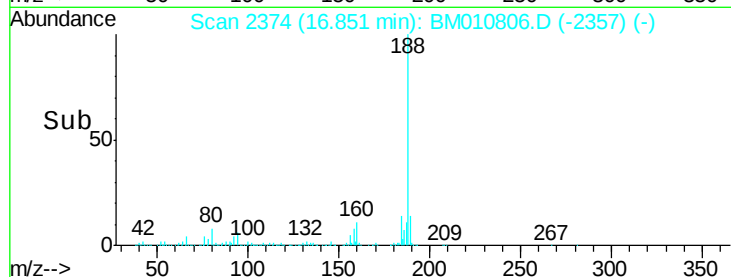
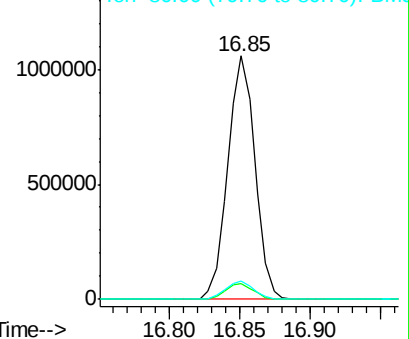
80 7.6 9.3 13.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#64

4,6-Dinitro-2-methylphenol

Concen: 7.081 ng

RT: 15.24 min Scan# 2100

Delta R.T. -0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

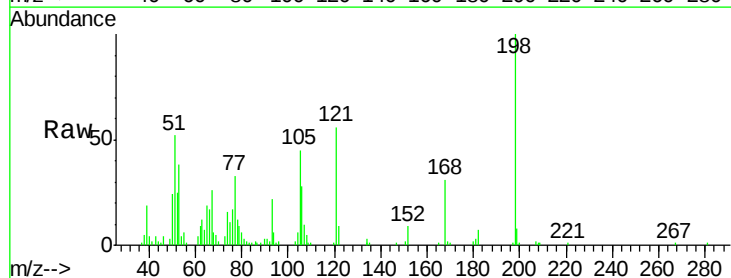
Tgt Ion:198 Resp: 66658

Ion Ratio Lower Upper

198 100

51 52.1 28.8 68.8

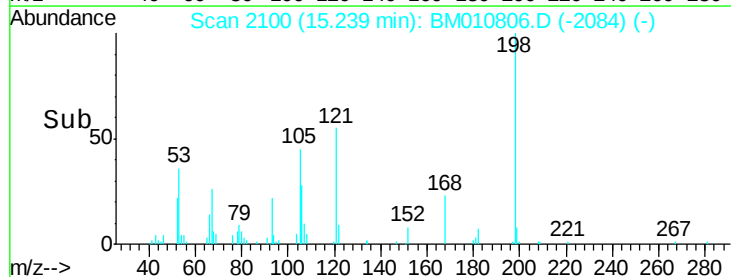
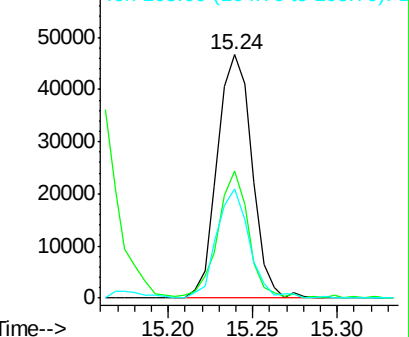
105 44.7 30.5 70.5

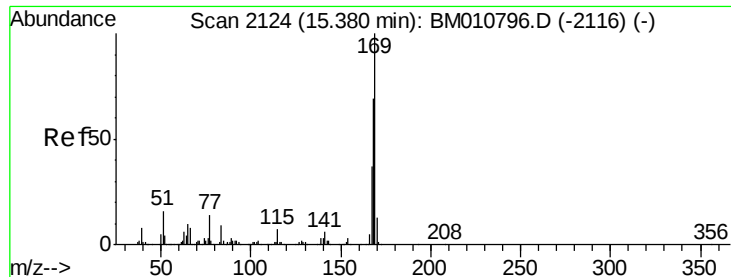


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E

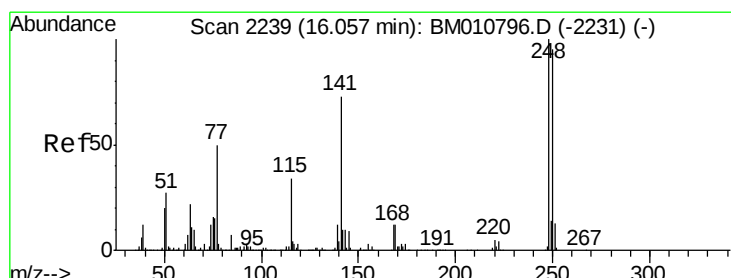
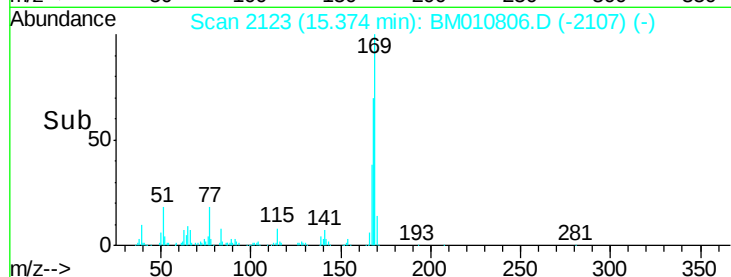
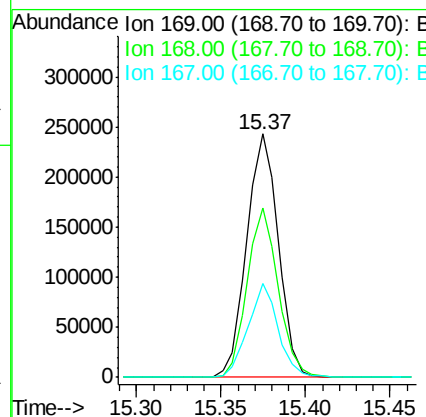
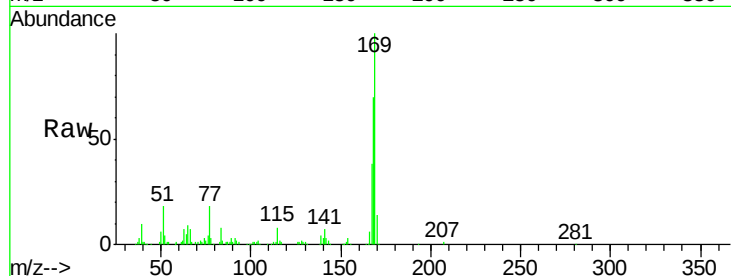




#65
n-Nitrosodiphenylamine
Concen: 7.768 ng
RT: 15.37 min Scan# 2123
Delta R.T. -0.01 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

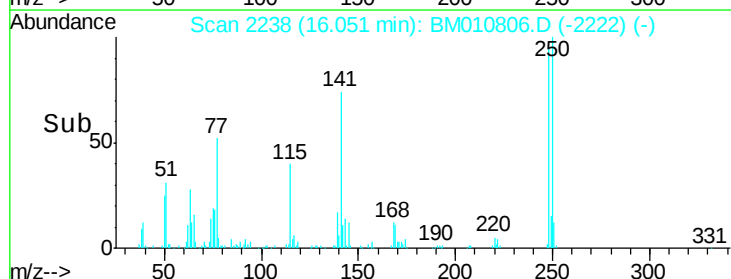
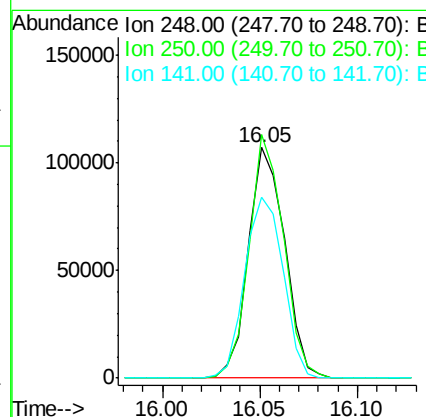
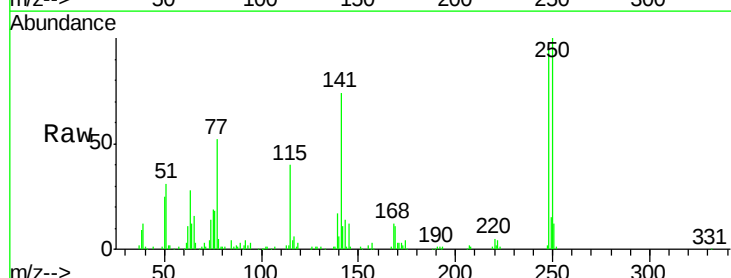
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

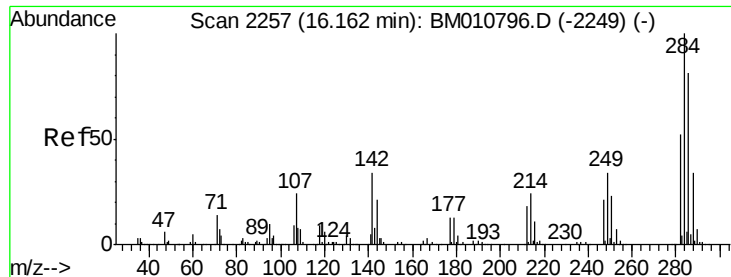
Tgt Ion:169 Resp: 317317
Ion Ratio Lower Upper
169 100
168 69.7 53.9 80.9
167 38.5 28.9 43.3



#66
4-Bromophenyl-phenylether
Concen: 7.660 ng
RT: 16.05 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

Tgt Ion:248 Resp: 138587
Ion Ratio Lower Upper
248 100
250 105.5 77.4 116.0
141 78.6 45.2 67.8#

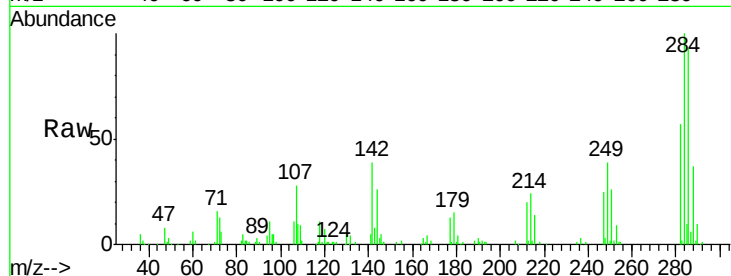




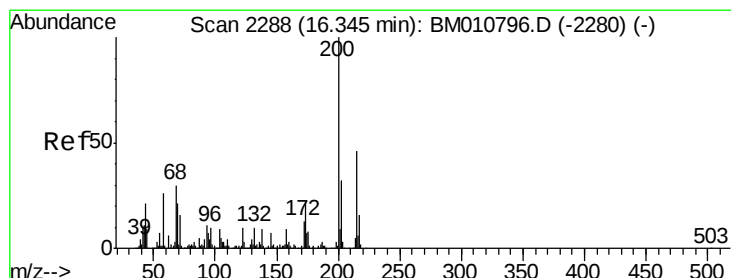
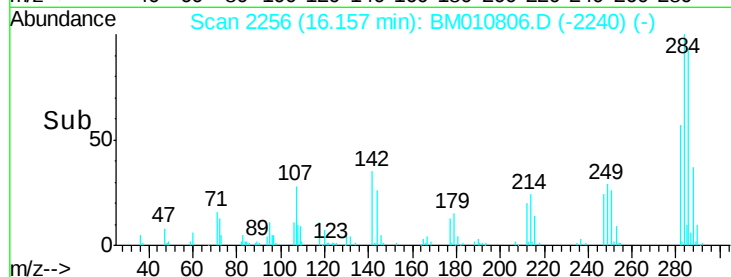
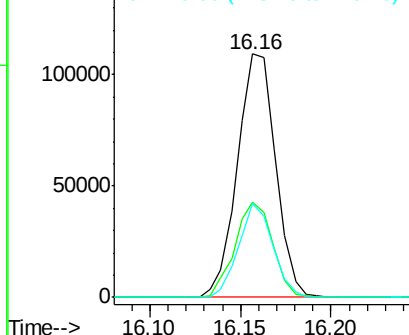
#67
Hexachlorobenzene
Concen: 7.733 ng
RT: 16.16 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion	Ratio	Lower	Upper
284	100		
142	39.2	20.4	30.6#
249	38.6	23.8	35.6#

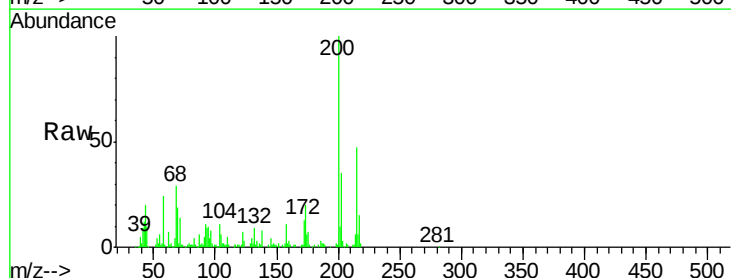


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

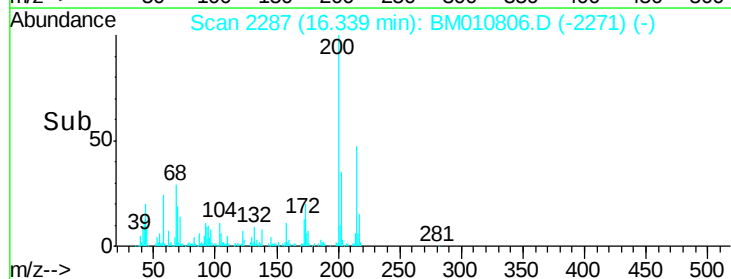
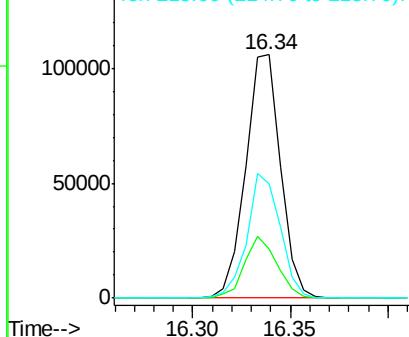


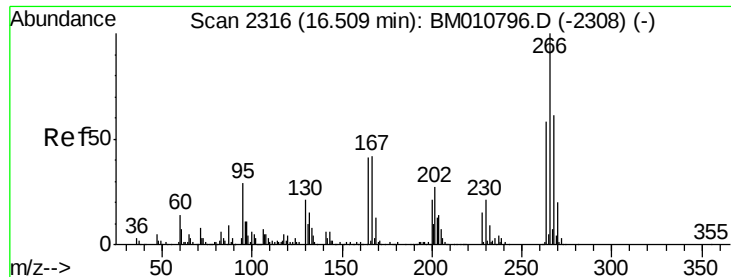
#68
Atrazine
Concen: 7.766 ng
RT: 16.34 min Scan# 2287
Delta R.T. -0.01 min
Lab File: BM010806.D
Acq: 13 Jul 2017 11:17

Tgt Ion	Ratio	Lower	Upper
200	100		
173	20.4	4.8	44.8
215	46.7	26.9	66.9



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

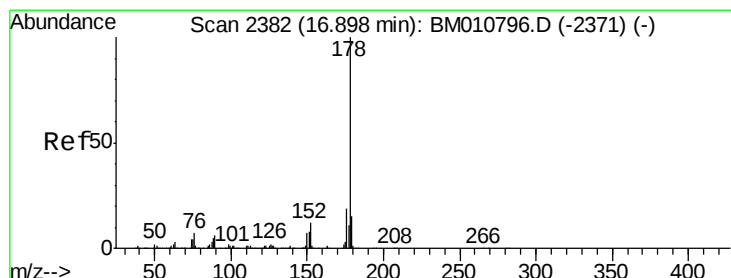
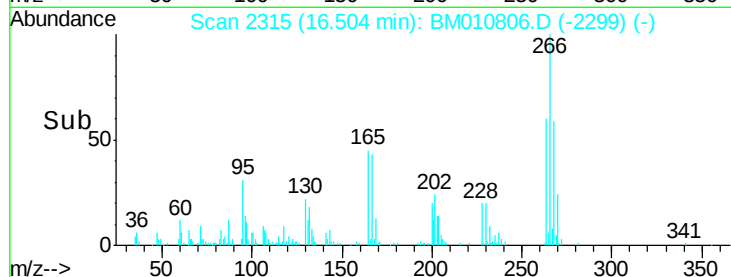
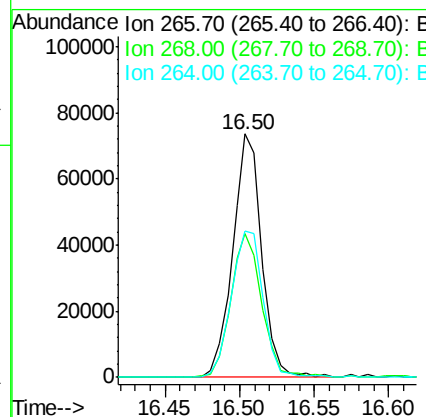
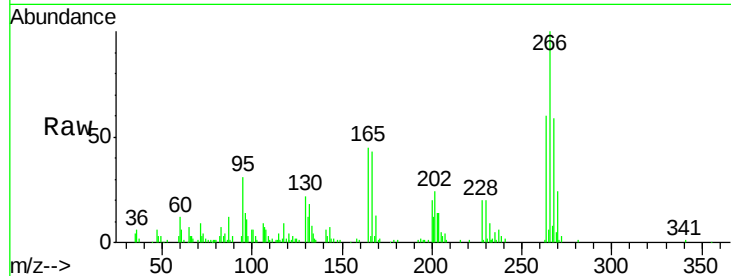




#69
 Pentachlorophenol
 Concen: 7.535 ng
 RT: 16.50 min Scan# 2315
 Delta R.T. -0.01 min
 Lab File: BM010806.D
 Acq: 13 Jul 2017 11:17

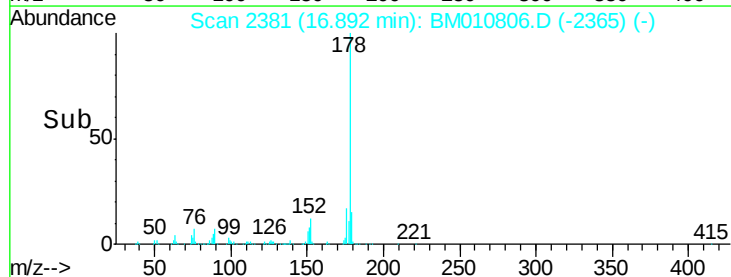
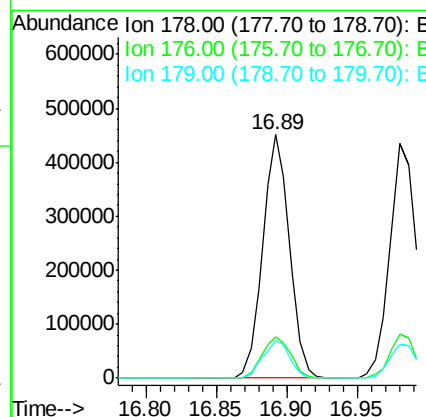
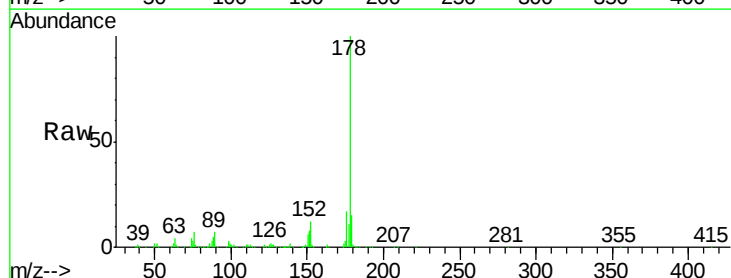
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

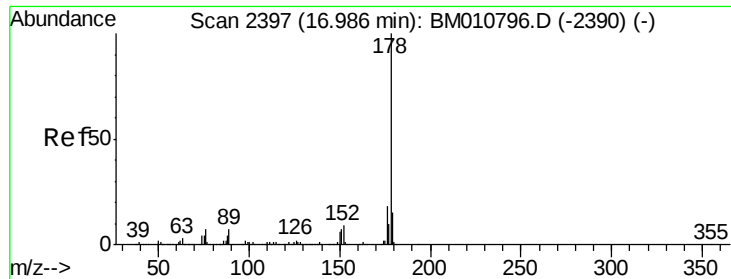
Tgt Ion	Ratio	Lower	Upper
266	100		
268	58.9	52.0	78.0
264	60.3	49.0	73.4



#70
 Phenanthrene
 Concen: 8.070 ng
 RT: 16.89 min Scan# 2381
 Delta R.T. -0.01 min
 Lab File: BM010806.D
 Acq: 13 Jul 2017 11:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.8	15.2	22.8
179	15.3	12.1	18.1

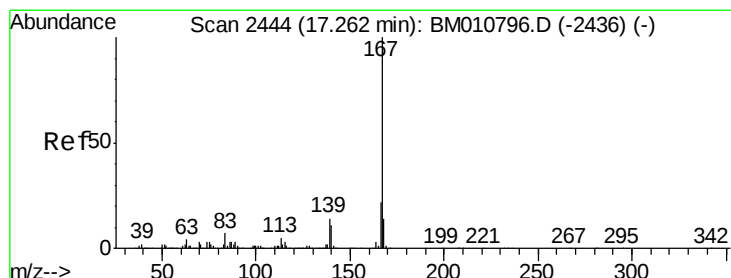
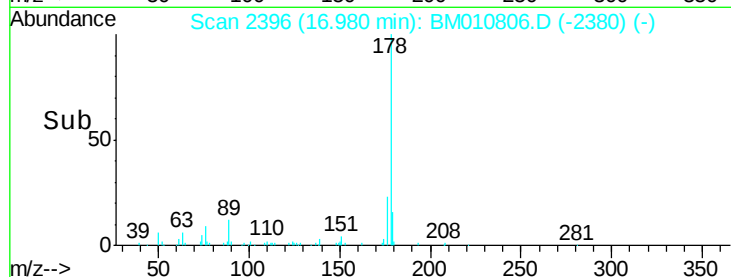
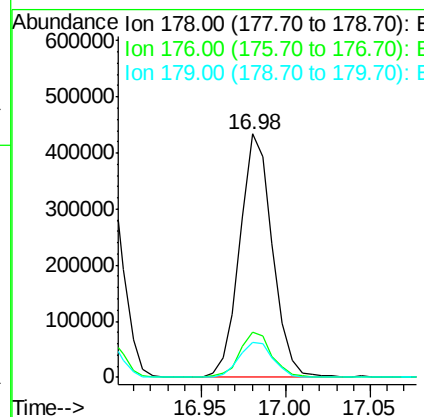
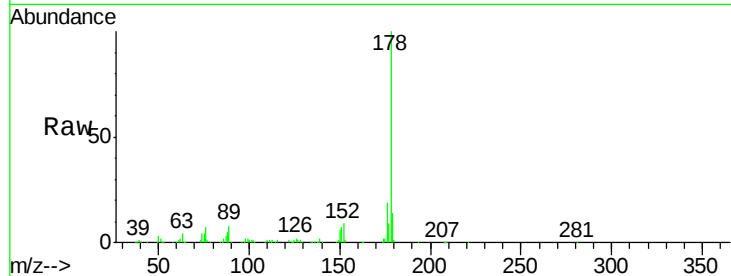




#71
 Anthracene
 Concen: 7.920 ng
 RT: 16.98 min Scan# 2396
 Delta R.T. -0.01 min
 Lab File: BM010806.D
 Acq: 13 Jul 2017 11:17

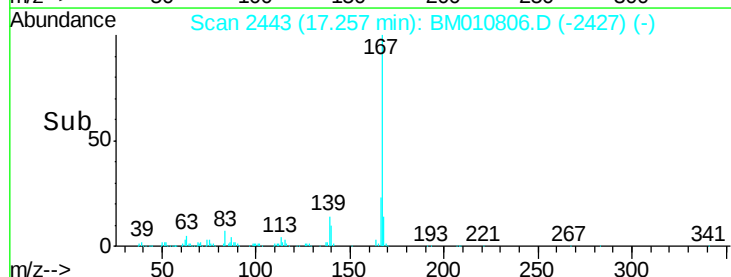
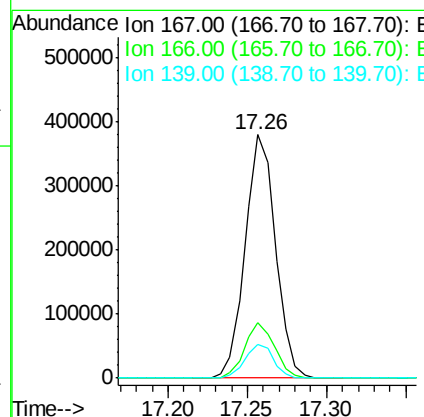
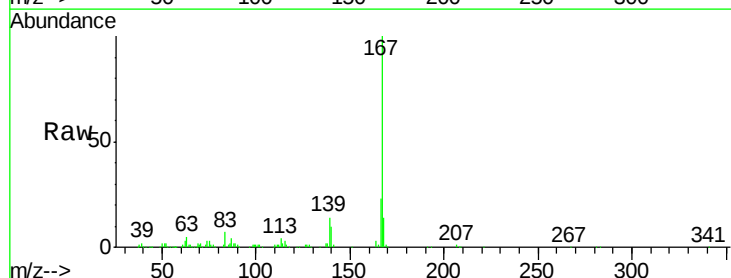
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

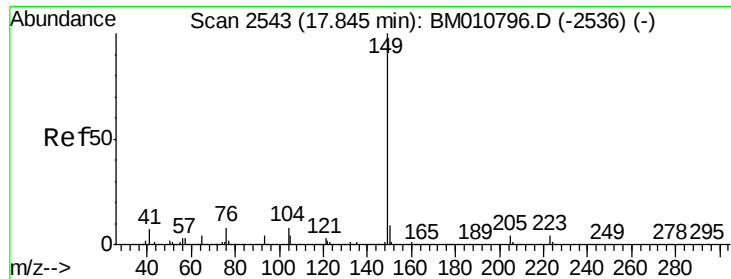
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	14.4	12.6	19.0



#72
 Carbazole
 Concen: 7.793 ng
 RT: 17.26 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BM010806.D
 Acq: 13 Jul 2017 11:17

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.2	25.8
139	14.0	10.8	16.2





#73

Di-n-butylphthalate

Concen: 7.603 ng

RT: 17.84 min Scan# 2543

Delta R.T. 0.00 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Instrument :

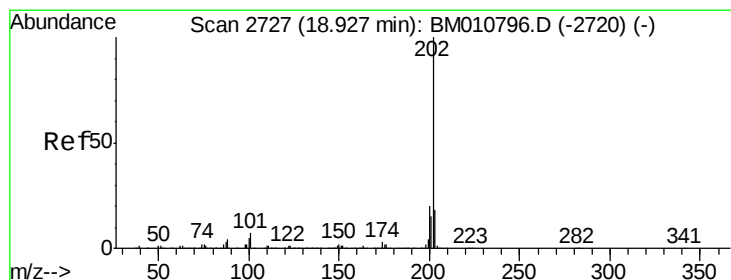
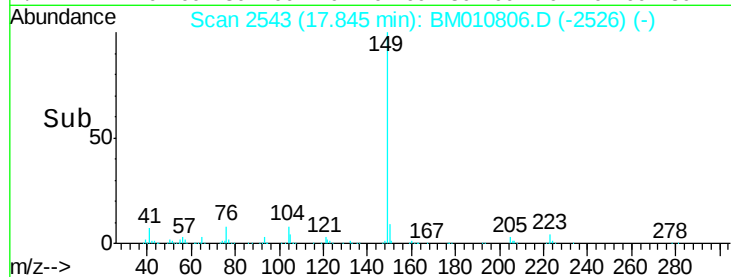
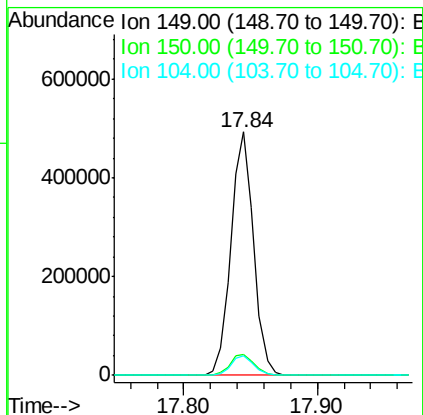
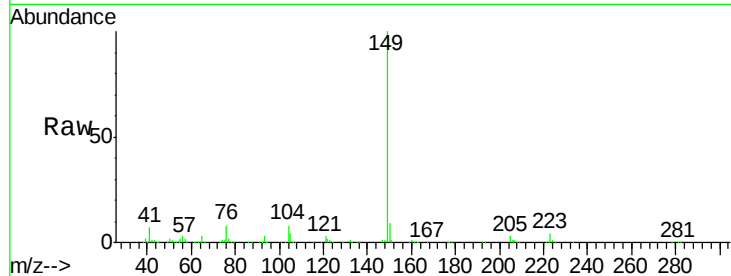
BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tgt Ion:149 Resp: 584051

Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.5	11.3
104	7.9	3.7	5.5#



#74

Fluoranthene

Concen: 7.625 ng

RT: 18.92 min Scan# 2726

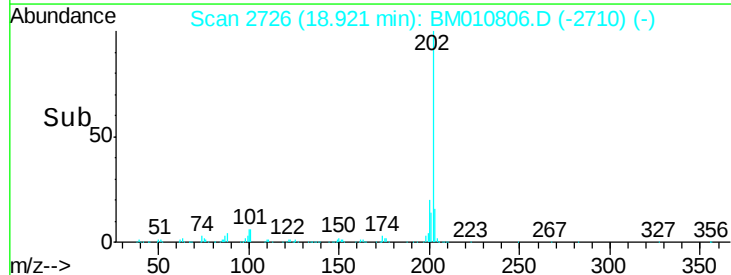
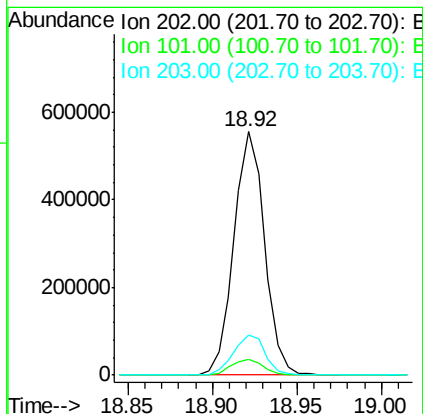
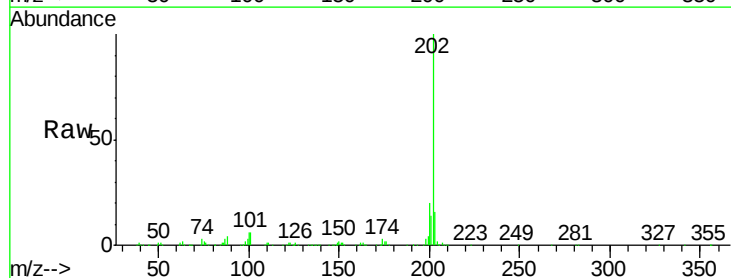
Delta R.T. -0.01 min

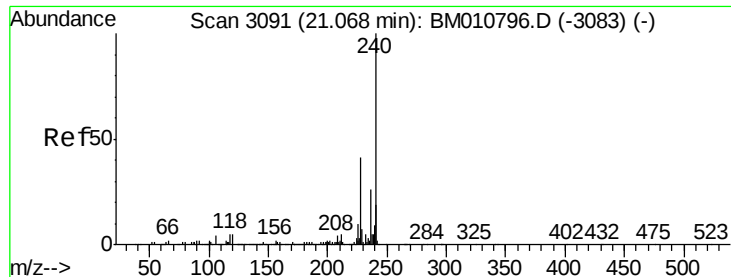
Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Tgt Ion:202 Resp: 701326

Ion	Ratio	Lower	Upper
202	100		
101	6.4	0.0	28.7
203	16.2	0.0	37.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.07 min Scan# 3091

Delta R.T. 0.00 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

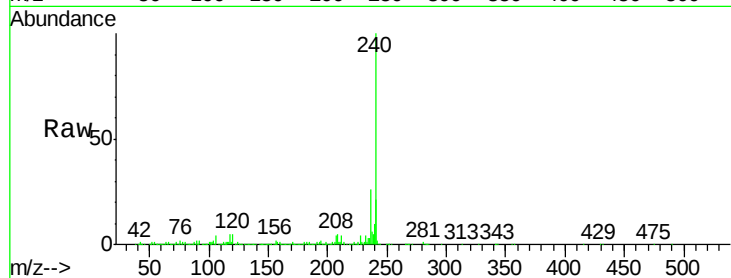
Tgt Ion:240 Resp: 1512495

Ion Ratio Lower Upper

240 100

120 5.1 8.2 12.2#

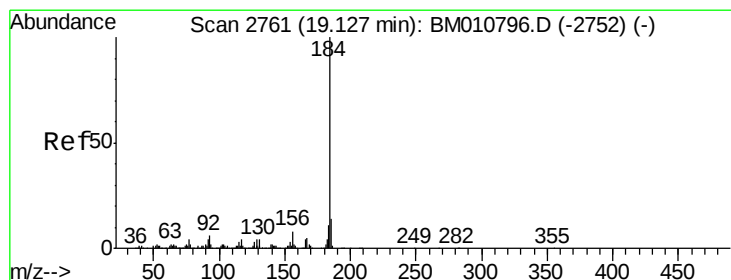
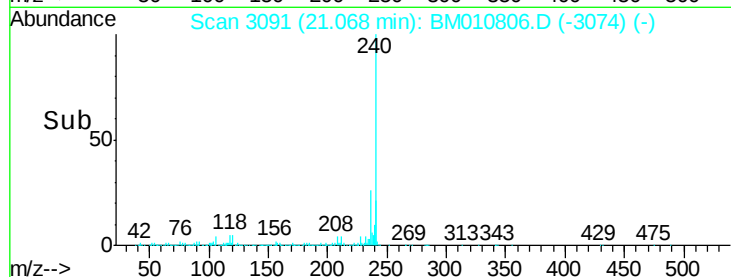
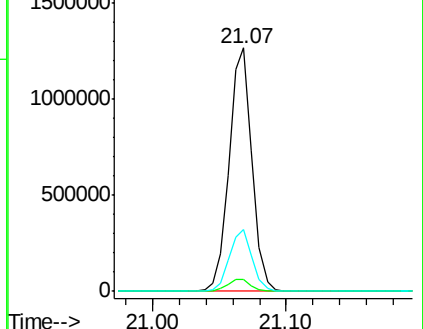
236 25.6 20.0 30.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 5.637 ng

RT: 19.12 min Scan# 2760

Delta R.T. -0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

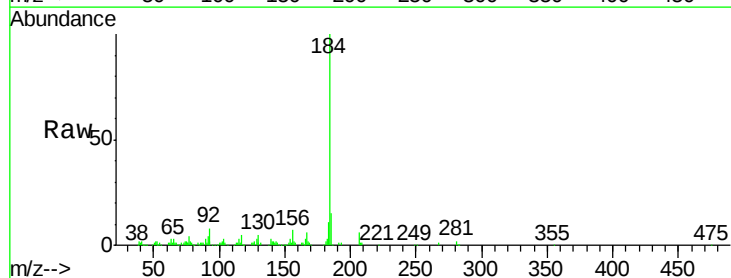
Tgt Ion:184 Resp: 228164

Ion Ratio Lower Upper

184 100

185 14.7 11.3 16.9

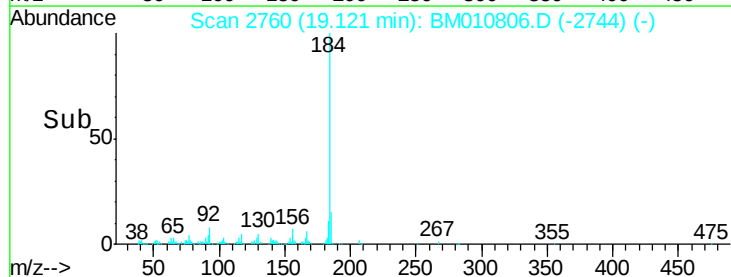
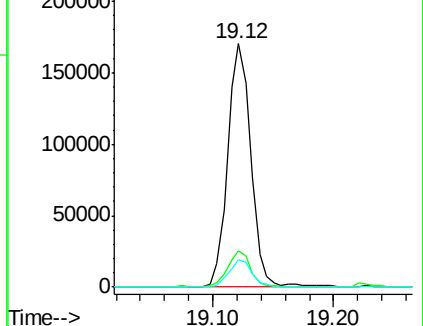
183 11.0 8.9 13.3

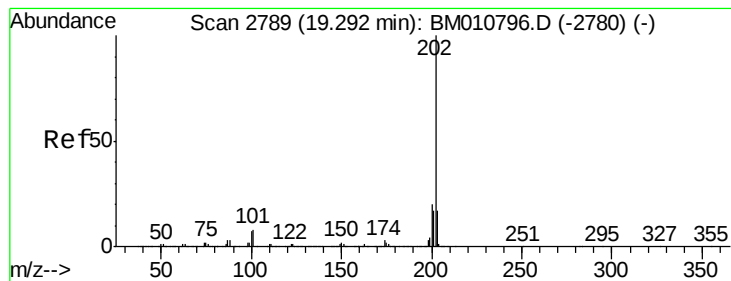


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 8.355 ng

RT: 19.29 min Scan# 2788

Delta R.T. -0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

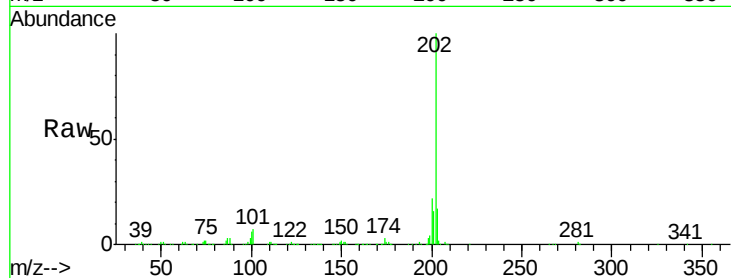
Tgt Ion:202 Resp: 732548

Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

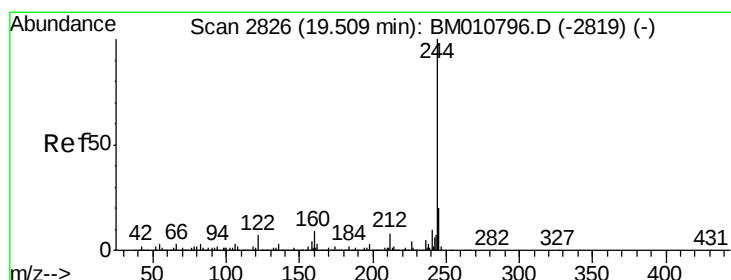
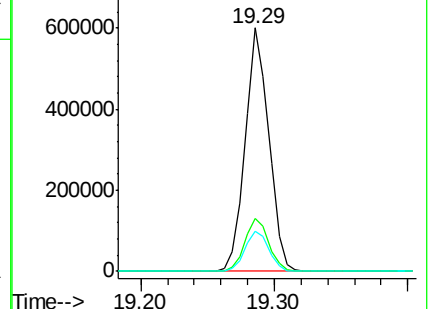
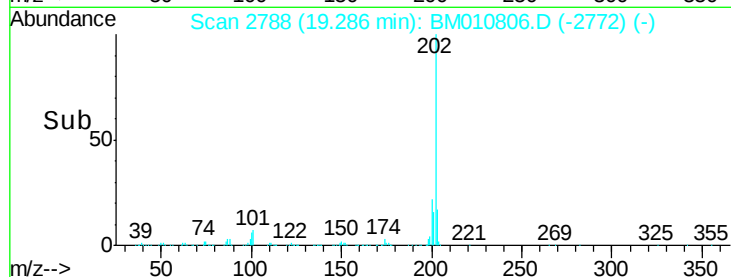
203 16.7 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 95.159 ng

RT: 19.51 min Scan# 2826

Delta R.T. 0.00 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

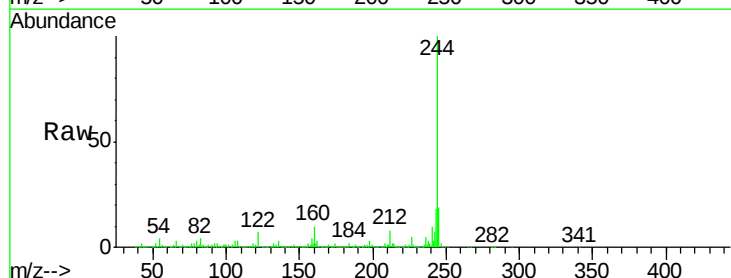
Tgt Ion:244 Resp: 7441543

Ion Ratio Lower Upper

244 100

212 8.3 4.9 7.3#

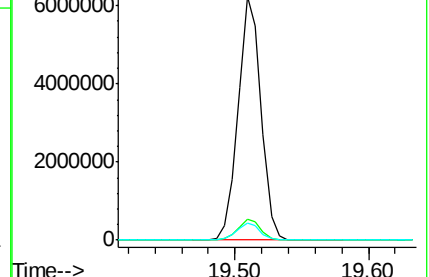
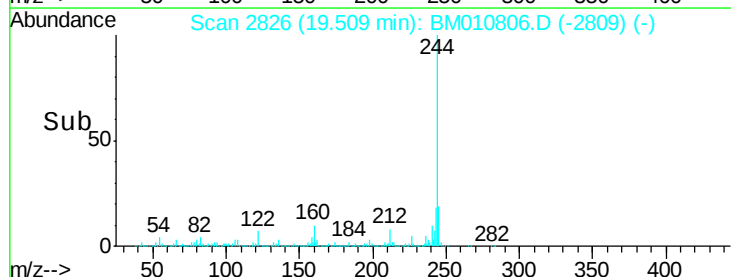
122 7.2 6.2 9.4

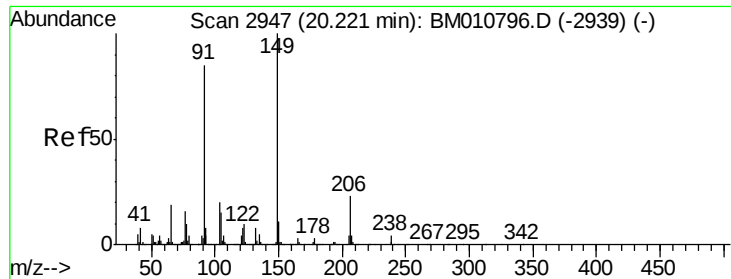


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 7.346 ng

RT: 20.22 min Scan# 2947

Delta R.T. 0.00 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

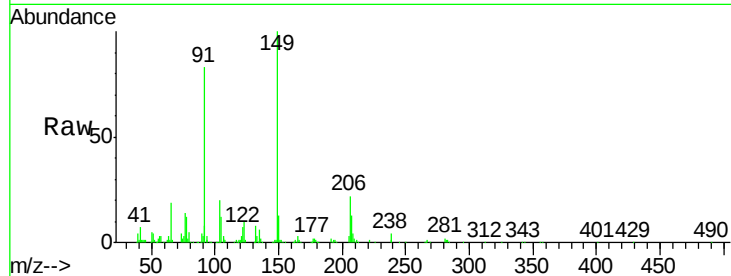
Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

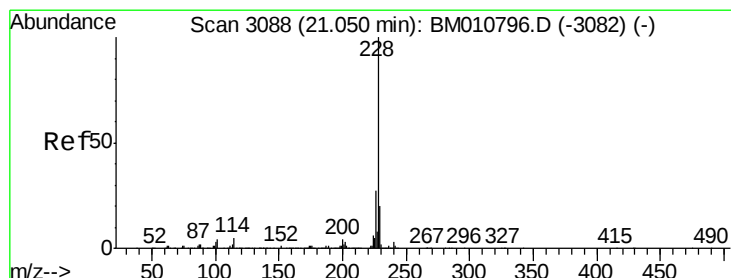
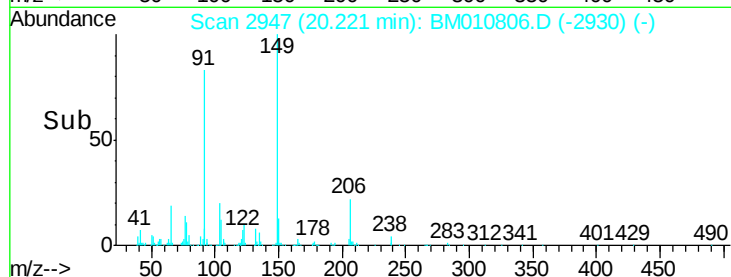
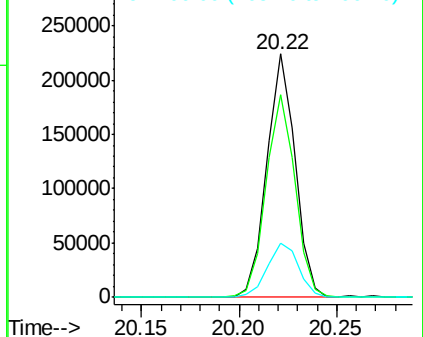
Tgt Ion:	149	Resp:	225495
Ion Ratio	Lower	Upper	
149	100		
91	83.2	50.1	75.1#
206	22.3	16.2	24.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM010806.D (-2930) (-)

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 8.148 ng

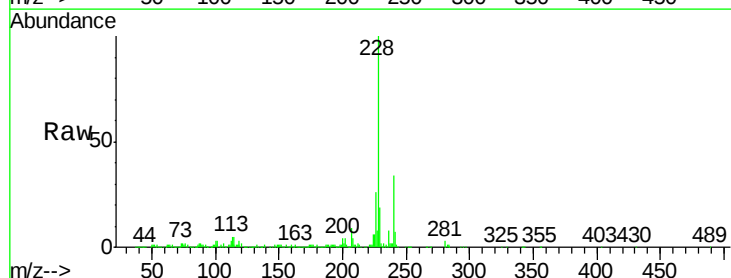
RT: 21.05 min Scan# 3088

Delta R.T. 0.00 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

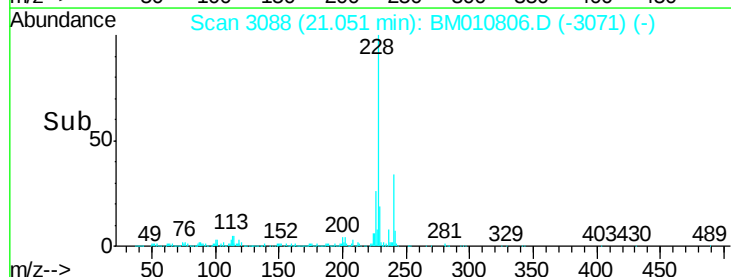
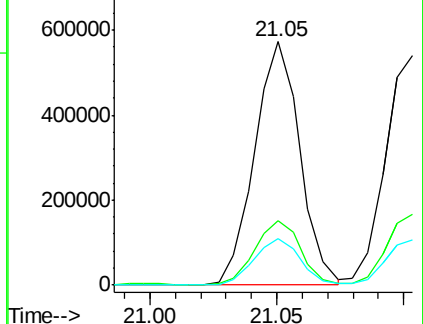
Tgt Ion:	228	Resp:	714076
Ion Ratio	Lower	Upper	
228	100		
226	26.3	21.7	32.5
229	19.3	16.0	24.0

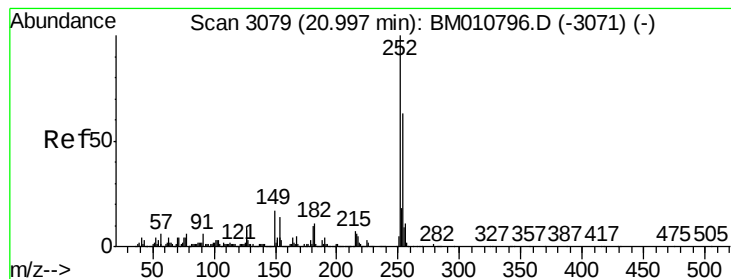


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

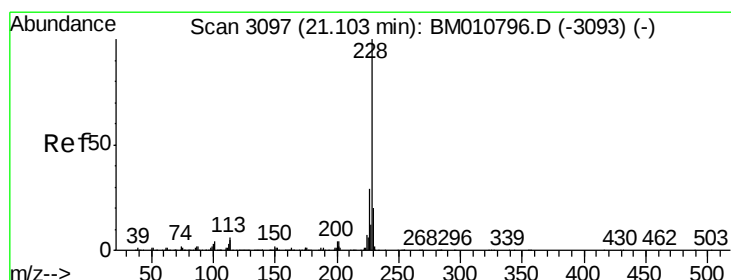
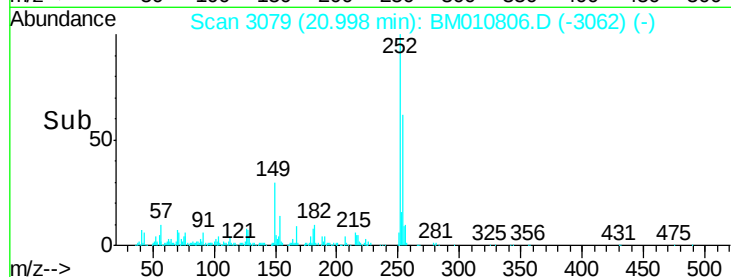
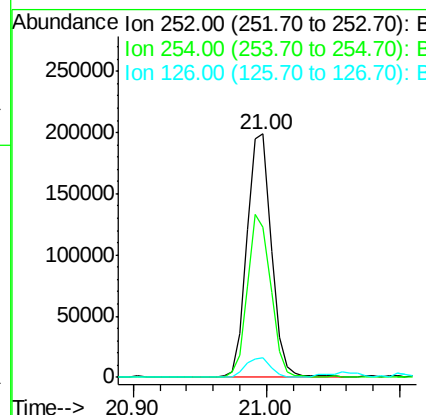
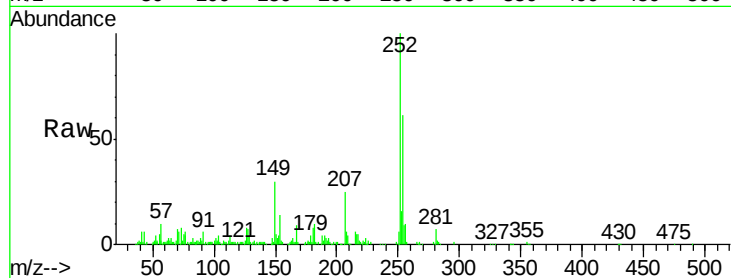




#81
 3,3'-Dichlorobenzidine
 Concen: 7.286 ng
 RT: 21.00 min Scan# 3079
 Delta R.T. 0.00 min
 Lab File: BM010806.D
 Acq: 13 Jul 2017 11:17

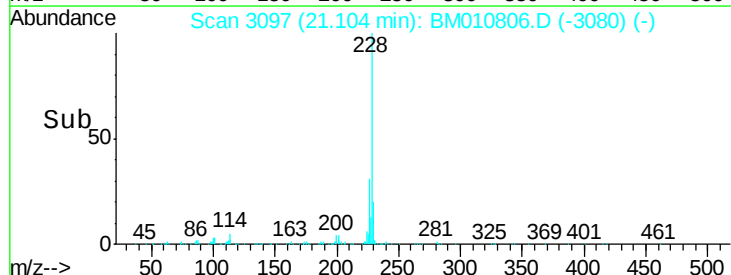
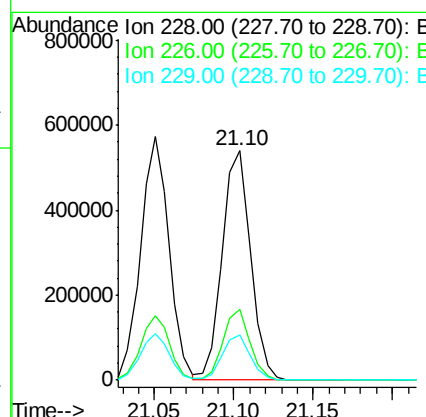
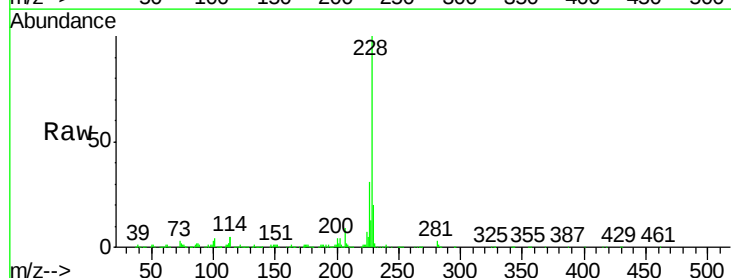
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

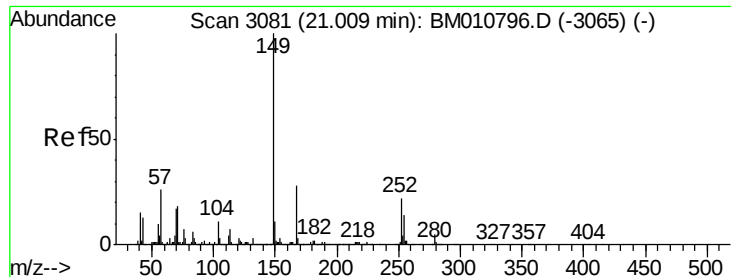
Tgt Ion: 252 Resp: 251077
 Ion Ratio Lower Upper
 252 100
 254 61.4 51.9 77.9
 126 8.1 9.8 14.8#



#82
 Chrysene
 Concen: 8.054 ng
 RT: 21.10 min Scan# 3097
 Delta R.T. 0.00 min
 Lab File: BM010806.D
 Acq: 13 Jul 2017 11:17

Tgt Ion: 228 Resp: 672241
 Ion Ratio Lower Upper
 228 100
 226 31.1 24.1 36.1
 229 19.6 15.5 23.3

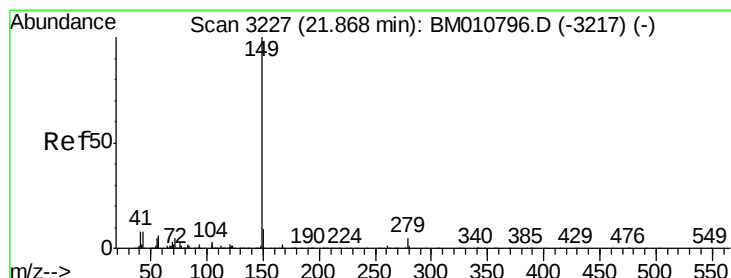
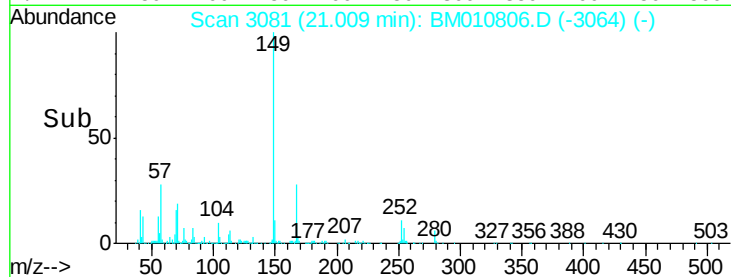
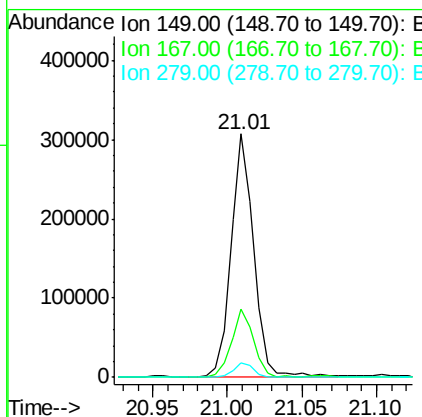
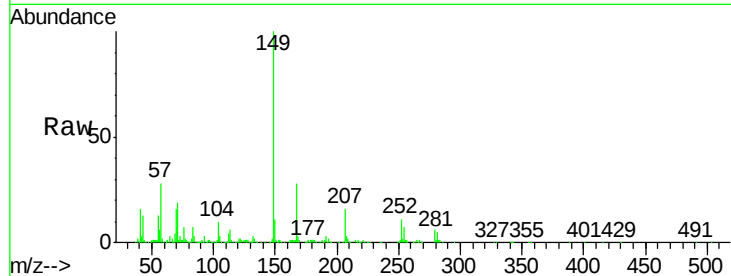




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.322 ng
 RT: 21.01 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: BM010806.D
 Acq: 13 Jul 2017 11:17

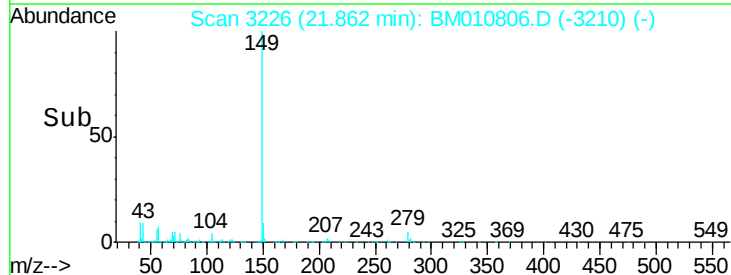
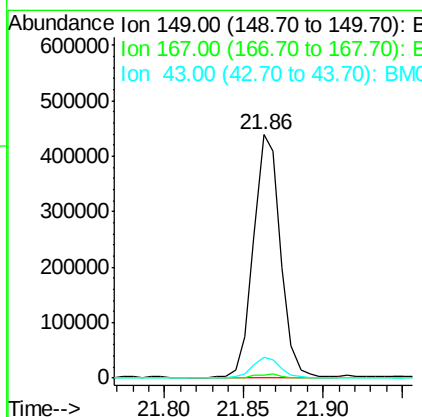
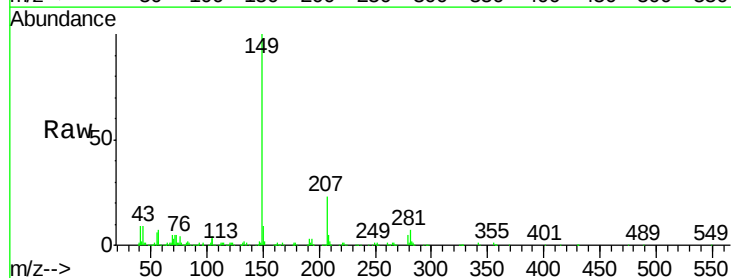
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

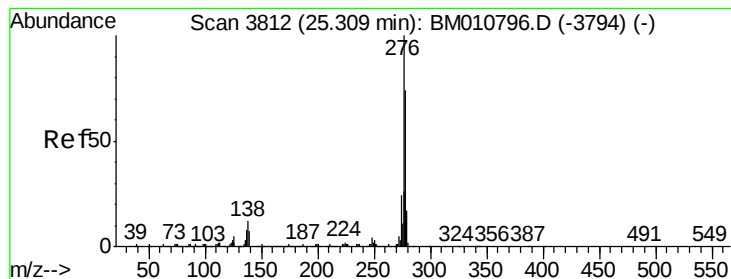
Tgt Ion:149 Resp: 327304
 Ion Ratio Lower Upper
 149 100
 167 28.3 22.4 33.6
 279 6.1 3.4 5.0#



#84
 Di-n-octyl phthalate
 Concen: 7.088 ng
 RT: 21.86 min Scan# 3226
 Delta R.T. -0.01 min
 Lab File: BM010806.D
 Acq: 13 Jul 2017 11:17

Tgt Ion:149 Resp: 519156
 Ion Ratio Lower Upper
 149 100
 167 1.9 1.2 1.8#
 43 9.6 7.3 10.9





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.685 ng

RT: 25.30 min Scan# 3810

Delta R.T. -0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

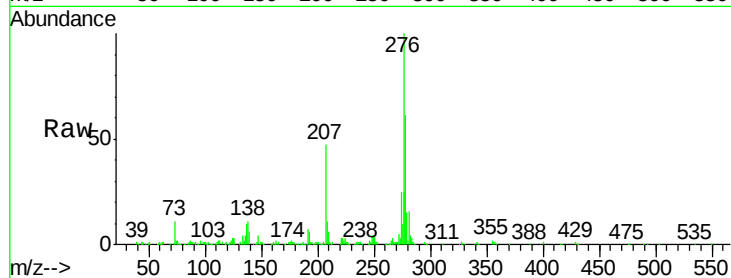
Tgt Ion:276 Resp: 735537

Ion Ratio Lower Upper

276 100

138 12.7 0.0 0.0#

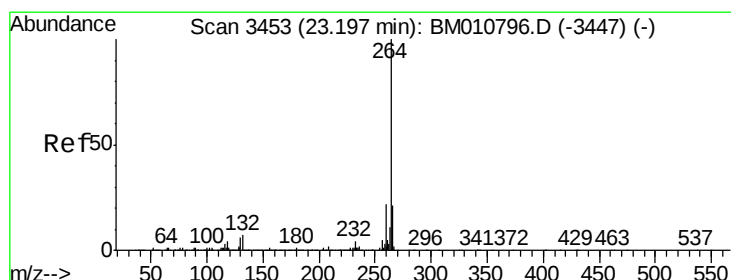
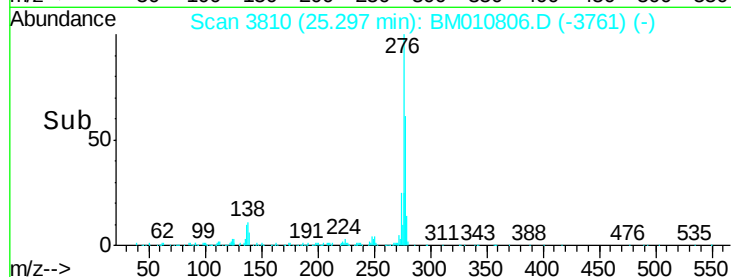
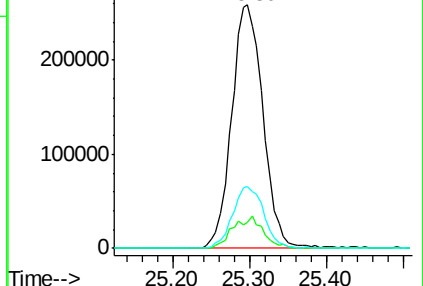
277 25.4 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.20 min Scan# 3453

Delta R.T. 0.00 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

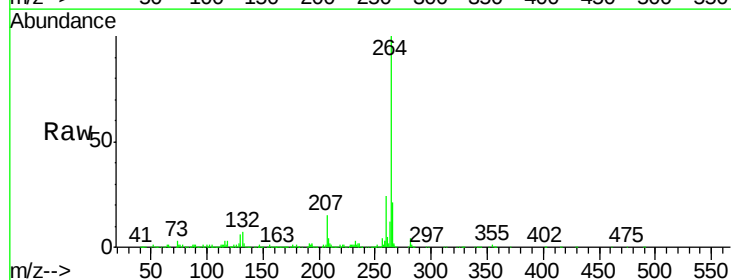
Tgt Ion:264 Resp: 1389517

Ion Ratio Lower Upper

264 100

260 23.7 18.6 27.8

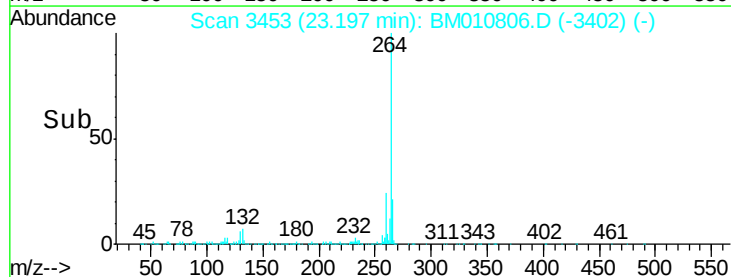
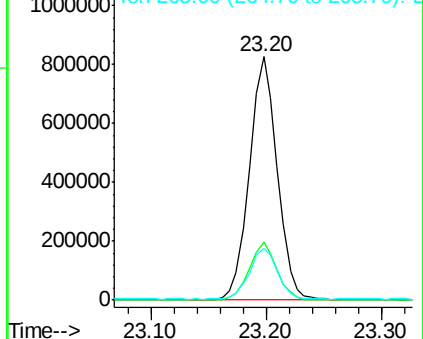
265 21.0 17.3 25.9

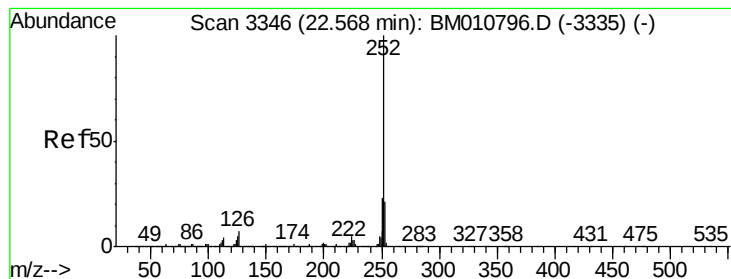


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 7.636 ng

RT: 22.56 min Scan# 3345

Delta R.T. -0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

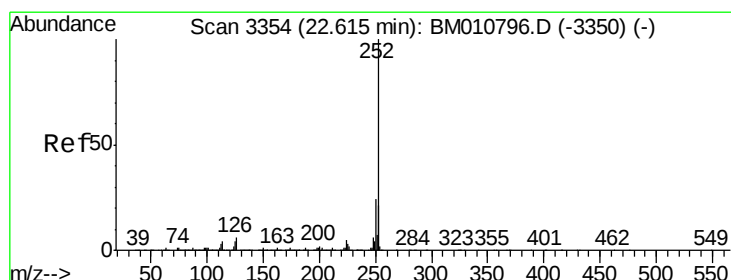
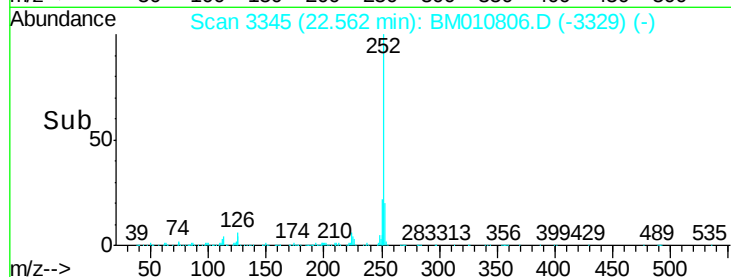
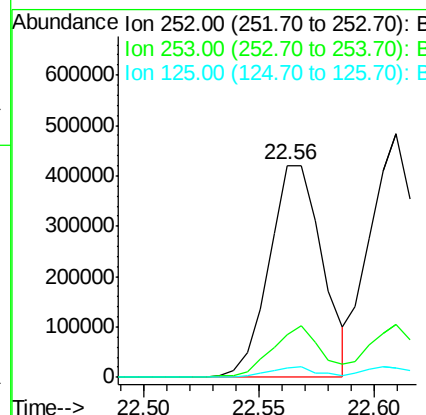
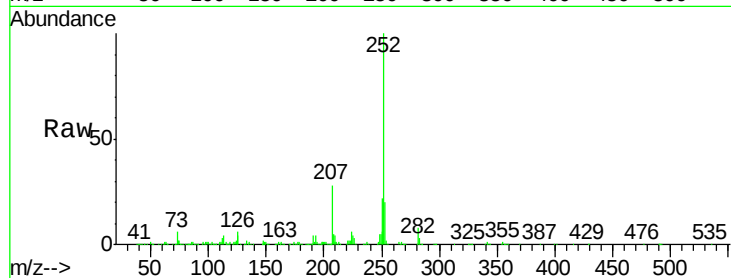
Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tgt Ion:	252	Resp:	674008
Ion Ratio		Lower	Upper
252	100		
253	20.1	18.0	27.0
125	4.4	9.9	14.9#



#88

Benzo(k)fluoranthene

Concen: 8.089 ng

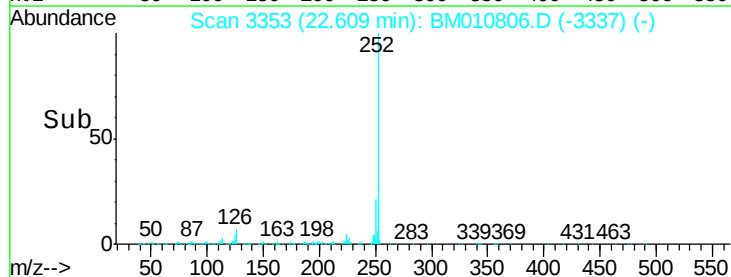
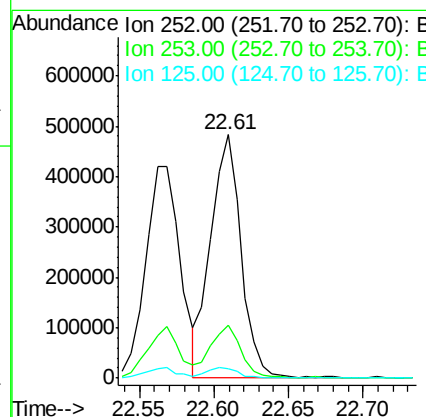
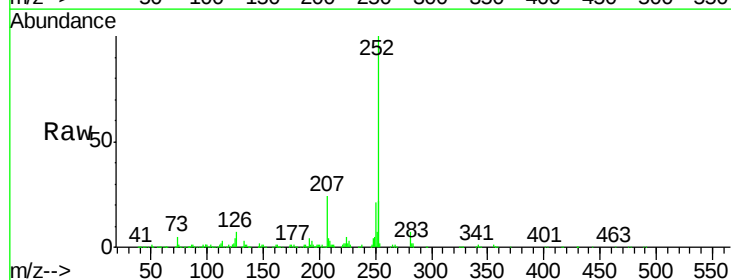
RT: 22.61 min Scan# 3353

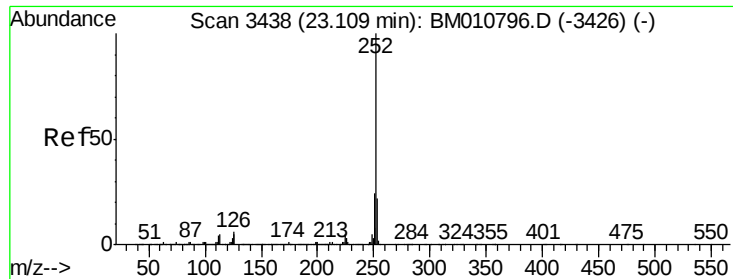
Delta R.T. -0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Tgt Ion:	252	Resp:	681896
Ion Ratio		Lower	Upper
252	100		
253	21.7	17.2	25.8
125	3.8	8.1	12.1#





#89

Benzo(a)pyrene

Concen: 7.534 ng

RT: 23.10 min Scan# 3437

Delta R.T. -0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

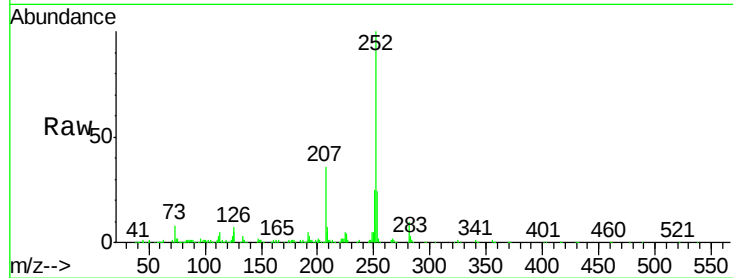
Tgt Ion:252 Resp: 605289

Ion Ratio Lower Upper

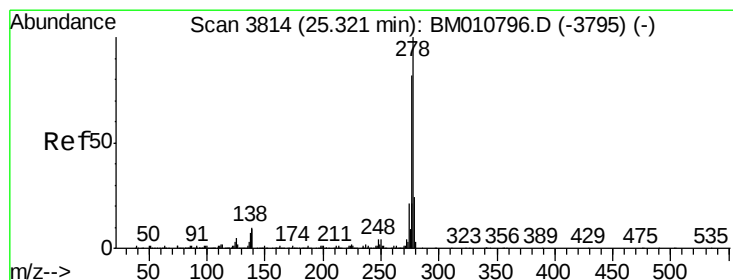
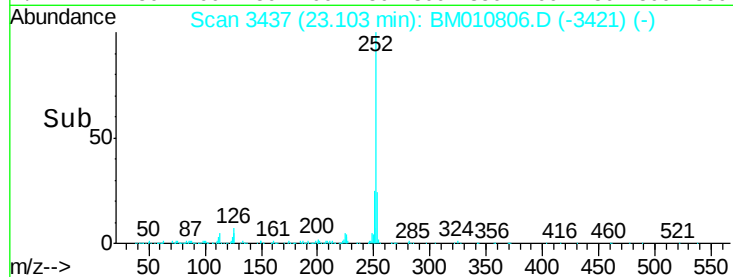
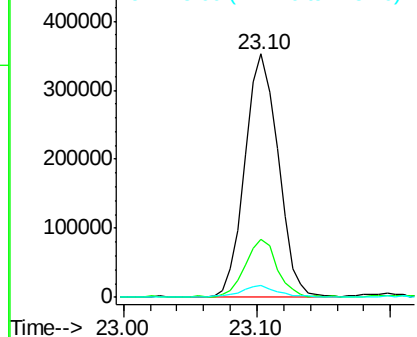
252 100

253 24.0 17.6 26.4

125 4.8 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: 7.716 ng

RT: 25.31 min Scan# 3812

Delta R.T. -0.01 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

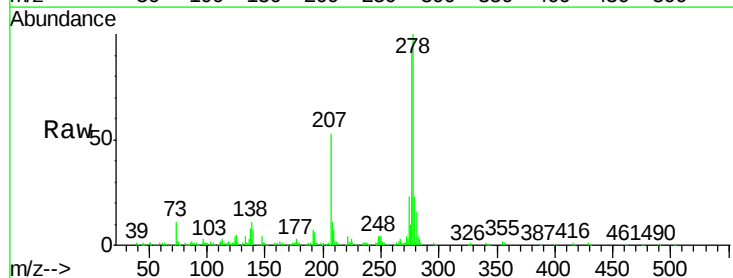
Tgt Ion:278 Resp: 601690

Ion Ratio Lower Upper

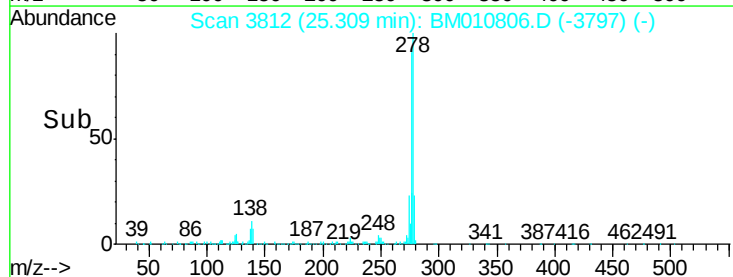
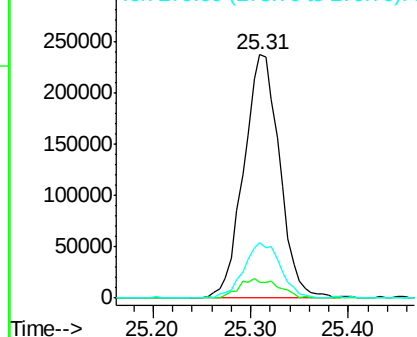
278 100

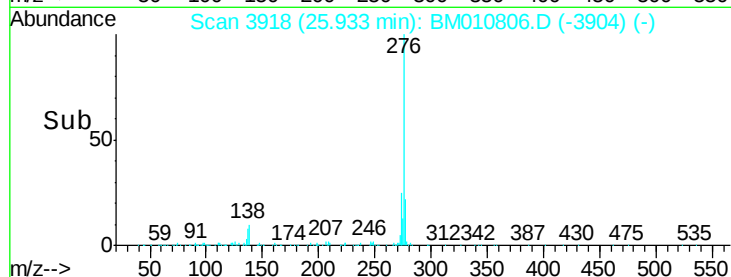
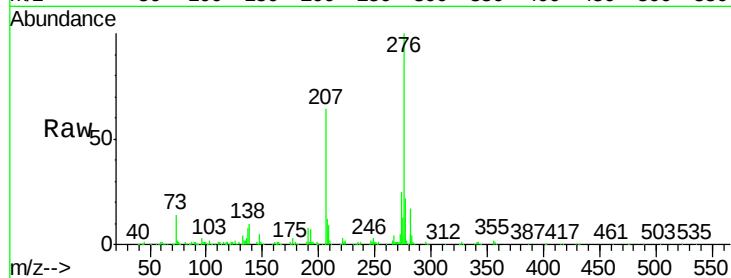
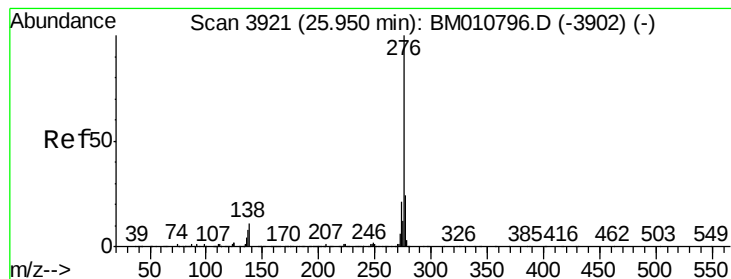
139 6.6 13.4 20.0#

279 22.9 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 7.687 ng

RT: 25.93 min Scan# 3918

Delta R.T. -0.02 min

Lab File: BM010806.D

Acq: 13 Jul 2017 11:17

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tgt Ion: 276 Resp: 589232

Ion Ratio Lower Upper

276 100

277 22.2 18.5 27.7

138 10.0 19.0 28.6#

