

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071317\
 Data File : BM010807.D
 Acq On : 13 Jul 2017 11:53
 Operator : SJ/JU
 Sample : I3757-02
 Misc : 20PPM LOQ
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

Quant Time: Jul 13 13:57:37 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	240264	20.00	ng	0.00
21) Naphthalene-d8	10.21	136	997731	20.00	ng	0.00
38) Acenaphthene-d10	14.10	164	715931	20.00	ng	0.00
63) Phenanthrene-d10	16.85	188	1856664	20.00	ng	0.00
75) Chrysene-d12	21.07	240	2035881	20.00	ng	0.00
86) Perylene-d12	23.20	264	1609410	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.08	112	1762209	121.49	ng	0.00
7) Phenol-d6	6.64	99	2493829	124.72	ng	0.00
23) Nitrobenzene-d5	8.59	82	2319133	89.34	ng	0.00
41) 2,4,6-Tribromophenol	15.60	330	1534163	140.22	ng	0.00
44) 2-Fluorobiphenyl	12.71	172	5089013	88.43	ng	0.00
78) Terphenyl-d14	19.52	244	9204597	87.44	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	127846	19.976	ng	# 100
3) Pyridine	3.47	79	356198	20.361	ng	# 89
4) n-Nitrosodimethylamine	3.39	42	180044	20.137	ng	# 68
6) Aniline	6.79	93	503006	20.081	ng	# 88
8) 2-Chlorophenol	7.02	128	287559	20.024	ng	# 83
9) Benzaldehyde	6.60	77	234695	16.904	ng	# 84
10) Phenol	6.66	94	434140	20.535	ng	# 98
11) bis(2-Chloroethyl)ether	6.89	93	327943	20.141	ng	# 95
12) 1,3-Dichlorobenzene	7.33	146	343103	19.333	ng	# 79
13) 1,4-Dichlorobenzene	7.48	146	358849	19.594	ng	# 84
14) 1,2-Dichlorobenzene	7.79	146	346599	19.860	ng	# 91
15) Benzyl Alcohol	7.69	79	391356	20.670	ng	# 85
16) 2,2'-oxybis(1-Chloropropan	7.99	45	303929	21.530	ng	# 81
17) 2-Methylphenol	7.89	107	287406	21.020	ng	# 81
18) Hexachloroethane	8.50	117	145891	18.992	ng	# 80
19) n-Nitroso-di-n-propylamine	8.26	70	339879	21.458	ng	# 90
20) 3+4-Methylphenols	8.22	107	398965	21.003	ng	# 82
22) Acetophenone	8.26	105	610319	20.316	ng	# 95
24) Nitrobenzene	8.63	77	542829	20.405	ng	# 90
25) Isophorone	9.16	82	903813	21.254	ng	# 86
26) 2-Nitrophenol	9.34	139	178372	20.150	ng	# 42
27) 2,4-Dimethylphenol	9.40	122	321847	20.371	ng	# 69
28) bis(2-Chloroethoxy)methane	9.65	93	479307	20.107	ng	# 97
29) 2,4-Dichlorophenol	9.86	162	358031	20.061	ng	# 92
30) 1,2,4-Trichlorobenzene	10.07	180	422355	19.358	ng	# 98
31) Naphthalene	10.26	128	994835	19.610	ng	# 98
32) Benzoic acid	9.53	122	260260	20.995	ng	# 84
33) 4-Chloroaniline	10.37	127	431142	21.094	ng	# 78
34) Hexachlorobutadiene	10.55	225	336924	19.902	ng	# 98
35) Caprolactam	11.15	113	107440	22.612	ng	# 83
36) 4-Chloro-3-methylphenol	11.50	107	464420	21.513	ng	# 75
37) 2-Methylnaphthalene	11.88	142	753227	20.671	ng	# 88
39) 1,2,4,5-Tetrachlorobenzene	12.26	216	588815	18.868	ng	# 100
40) Hexachlorocyclopentadiene	12.24	237	325991	18.223	ng	# 96

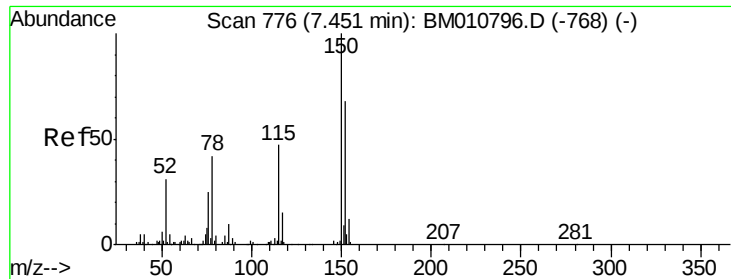
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 12 14:21:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.51	196	368969	19.201	ng	93
43) 2,4,5-Trichlorophenol	12.58	196	377767	19.912	ng #	89
45) 1,1'-Biphenyl	12.92	154	1194963	19.159	ng	98
46) 2-Chloronaphthalene	12.96	162	887451	19.405	ng #	93
47) 2-Nitroaniline	13.17	65	312522	20.788	ng #	73
48) Acenaphthylene	13.82	152	1347689	19.813	ng	99
49) Dimethylphthalate	13.57	163	1244543	20.434	ng #	98
50) 2,6-Dinitrotoluene	13.69	165	255275	21.368	ng #	73
51) Acenaphthene	14.16	154	825798	19.868	ng	97
52) 3-Nitroaniline	14.01	138	226371	20.844	ng #	46
53) 2,4-Dinitrophenol	14.22	184	168237	20.371	ng	90
54) Dibenzofuran	14.50	168	1337997	19.901	ng #	90
55) 4-Nitrophenol	14.33	139	199198	21.119	ng #	2
56) 2,4-Dinitrotoluene	14.47	165	350690	21.155	ng	95
57) Fluorene	15.16	166	1160707	20.083	ng	99
58) 2,3,4,6-Tetrachlorophenol	14.73	232	359335	20.385	ng #	100
59) Diethylphthalate	14.95	149	1309051	21.763	ng	100
60) 4-Chlorophenyl-phenylether	15.16	204	713811	20.106	ng	97
61) 4-Nitroaniline	15.18	138	242964	21.404	ng #	1
62) Azobenzene	15.45	77	1285991	21.054	ng	87
64) 4,6-Dinitro-2-methylphenol	15.24	198	245137	20.023	ng	90
65) n-Nitrosodiphenylamine	15.37	169	1035269	19.487	ng	99
66) 4-Bromophenyl-phenylether	16.06	248	469156	19.939	ng #	91
67) Hexachlorobenzene	16.16	284	537188	19.965	ng #	89
68) Atrazine	16.34	200	435292	19.785	ng	97
69) Pentachlorophenol	16.50	266	346792	20.106	ng	98
70) Phenanthrene	16.89	178	1929028	19.972	ng	99
71) Anthracene	16.99	178	1936101	20.193	ng	99
72) Carbazole	17.26	167	1689523	20.008	ng	100
73) Di-n-butylphthalate	17.84	149	2089912	20.920	ng #	95
74) Fluoranthene	18.92	202	2405875	20.112	ng	99
76) Benzidine	19.12	184	887491	16.290	ng	99
77) Pyrene	19.29	202	2440863	20.681	ng	99
79) Butylbenzylphthalate	20.22	149	844427	20.436	ng #	75
80) Benzo(a)anthracene	21.05	228	2310363	19.585	ng	100
81) 3,3'-Dichlorobenzidine	21.00	252	858423	18.507	ng #	97
82) Chrysene	21.10	228	2174272	19.353	ng	98
83) Bis(2-ethylhexyl)phthalate	21.01	149	1168914	19.426	ng	99
84) Di-n-octyl phthalate	21.86	149	1798811	18.246	ng	100
85) Indeno(1,2,3-cd)pyrene	25.30	276	1932998	15.004	ng #	100
87) Benzo(b)fluoranthene	22.57	252	2127945	20.815	ng #	92
88) Benzo(k)fluoranthene	22.61	252	1936003	19.827	ng #	95
89) Benzo(a)pyrene	23.11	252	1818383	19.542	ng #	96
90) Dibenzo(a,h)anthracene	25.31	278	1596341	17.675	ng #	91
91) Benzo(g,h,i)perylene	25.94	276	1531179	17.247	ng #	85

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.45 min Scan# 775

Delta R.T. -0.01 min

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LOQ-SOIL-02-QT3-2017

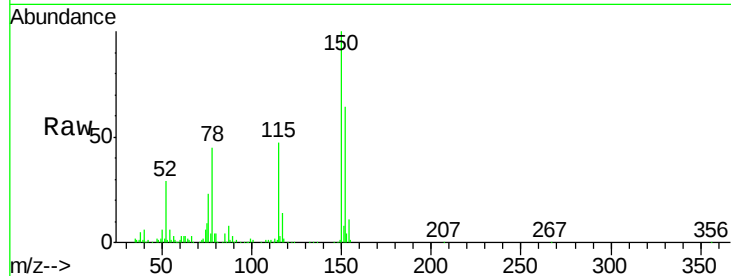
Tgt Ion:152 Resp: 240264

Ion Ratio Lower Upper

152 100

150 157.1 119.5 179.3

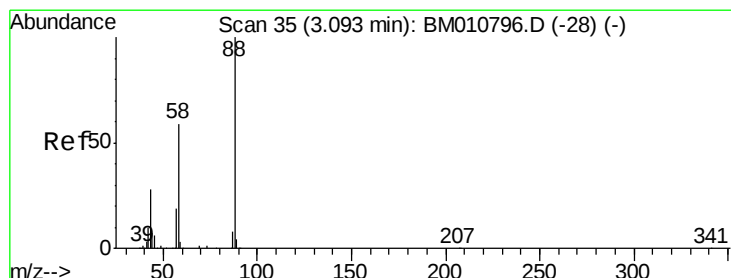
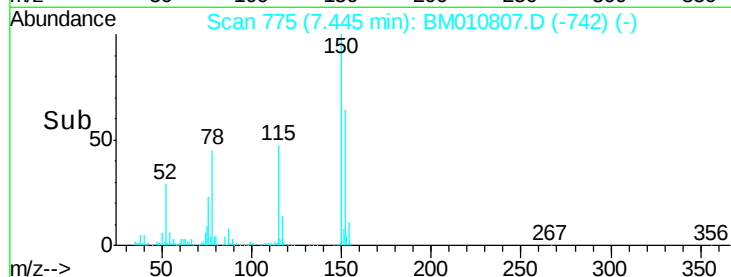
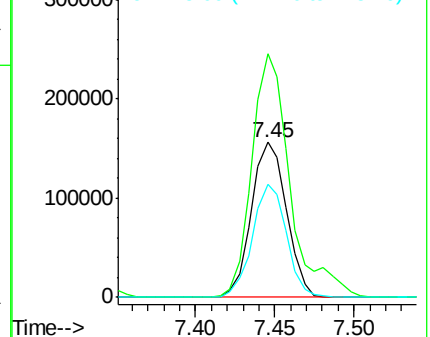
115 73.3 43.0 64.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 19.976 ng

RT: 3.09 min Scan# 35

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

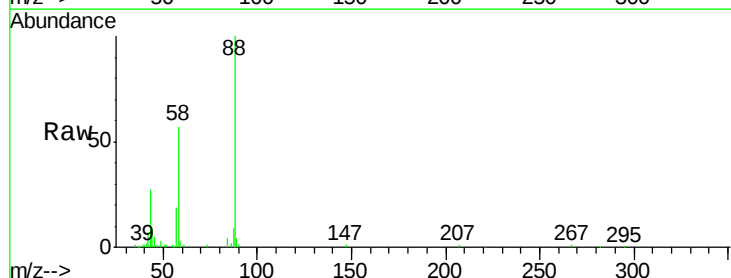
Tgt Ion: 88 Resp: 127846

Ion Ratio Lower Upper

88 100

58 57.7 0.0 0.0#

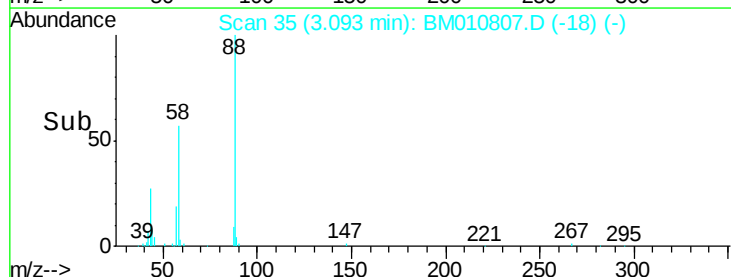
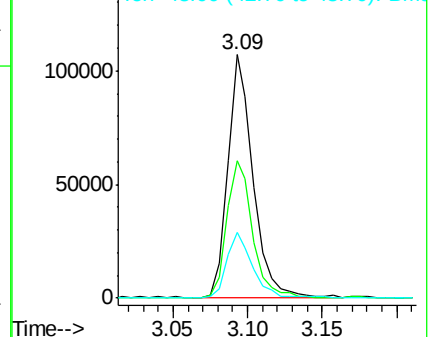
43 27.9 0.0 0.0#

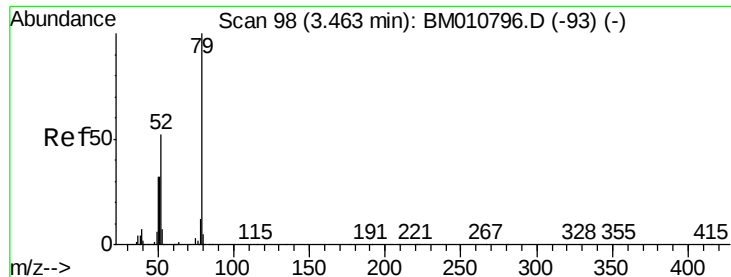


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

Pyridine

Concen: 20.361 ng

RT: 3.47 min Scan# 99

Delta R.T. 0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

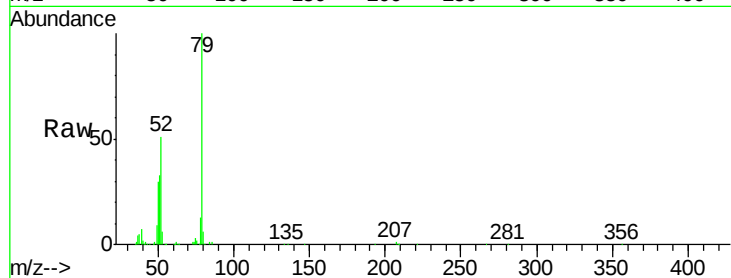
Tgt Ion: 79 Resp: 356198

Ion Ratio Lower Upper

79 100

52 51.5 51.1 76.7

51 33.3 26.1 39.1

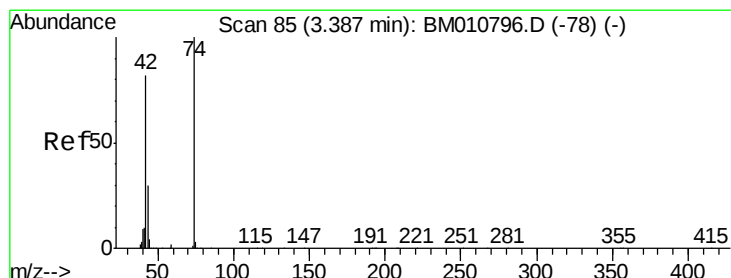
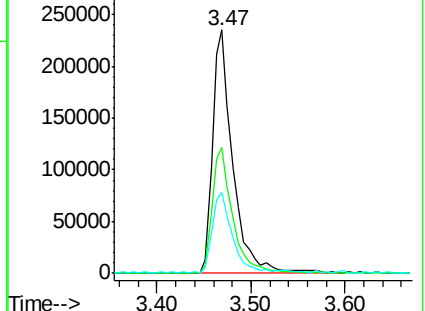
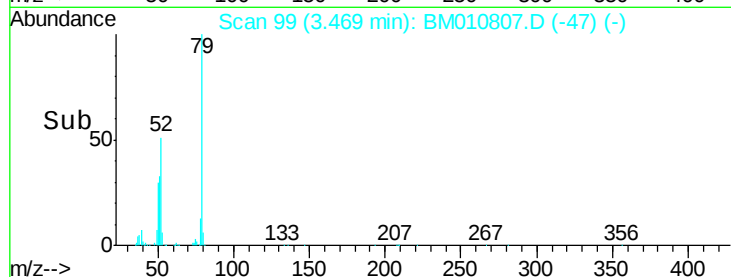


Abundance Ion 79.00 (78.70 to 79.70): BM010796.D (-93) (-)

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

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

3.47



#4

n-Nitrosodimethylamine

Concen: 20.137 ng

RT: 3.39 min Scan# 85

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

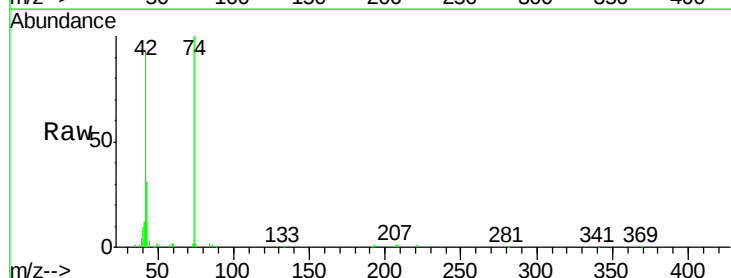
Tgt Ion: 42 Resp: 180044

Ion Ratio Lower Upper

42 100

74 107.4 119.3 178.9#

44 3.4 5.4 8.2#

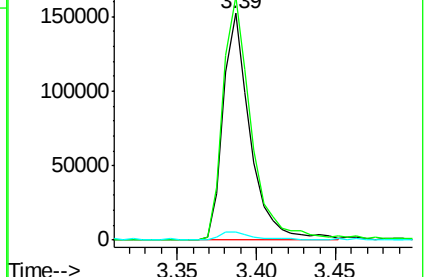
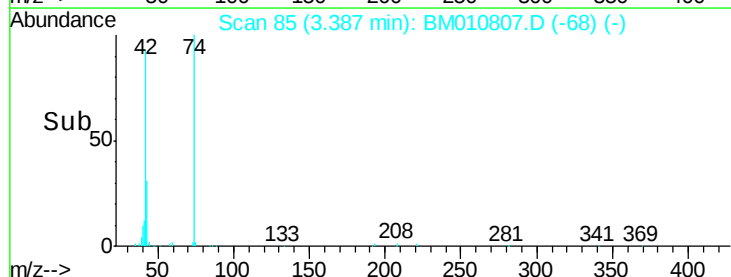


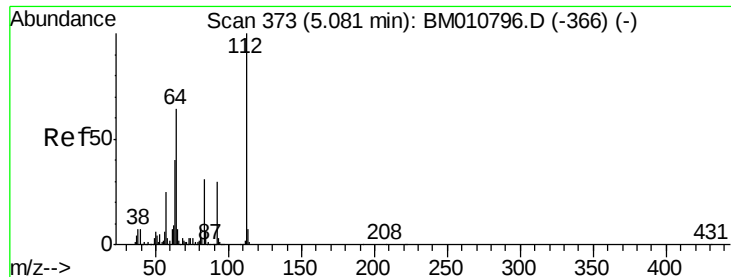
Abundance Ion 42.00 (41.70 to 42.70): BM010796.D (-78) (-)

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

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

3.39





#5

2-Fluorophenol

Concen: 121.495 ng

RT: 5.08 min Scan# 373

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

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ClientSampleId :

LOQ-SOIL-02-QT3-2017

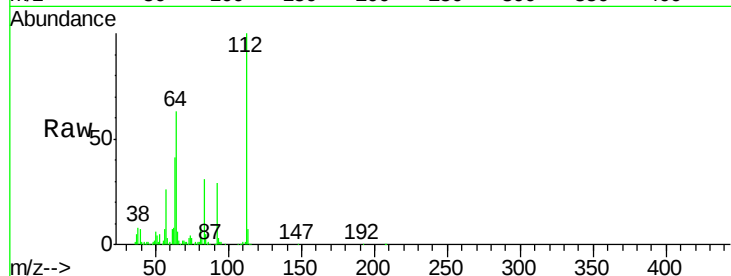
Tgt Ion:112 Resp: 1762209

Ion Ratio Lower Upper

112 100

64 63.1 38.6 57.8#

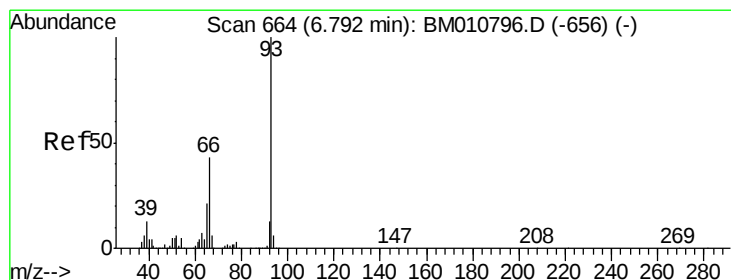
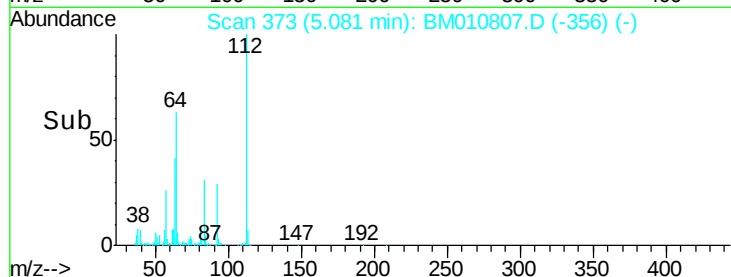
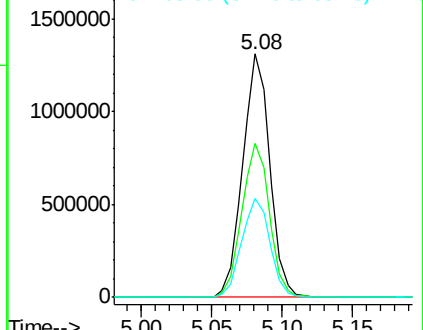
63 40.5 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 20.081 ng

RT: 6.79 min Scan# 664

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

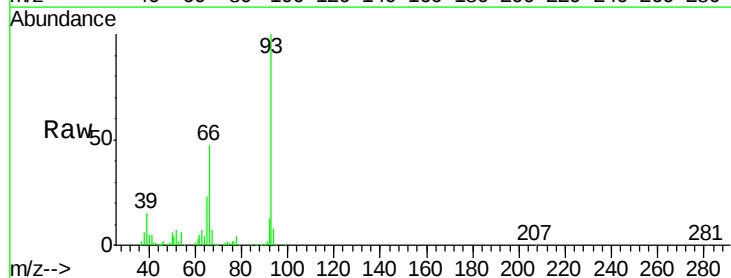
Tgt Ion: 93 Resp: 503006

Ion Ratio Lower Upper

93 100

66 47.1 30.8 46.2#

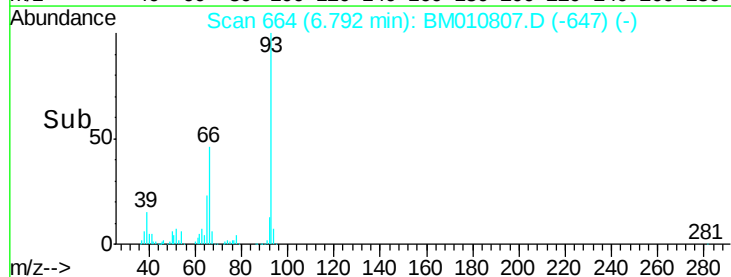
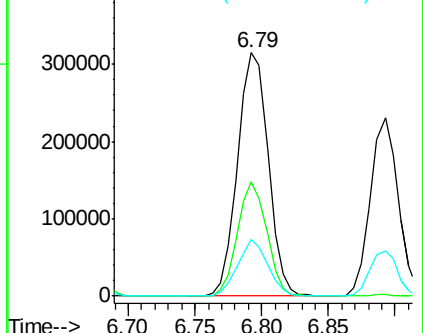
65 23.3 16.0 24.0

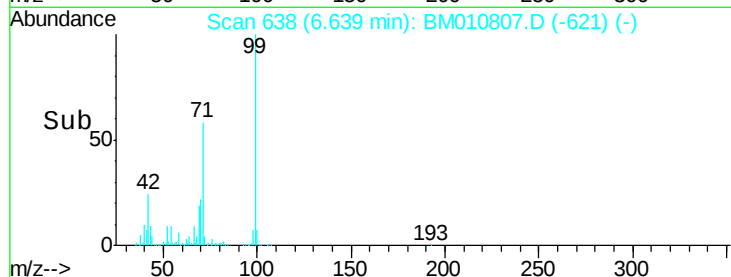
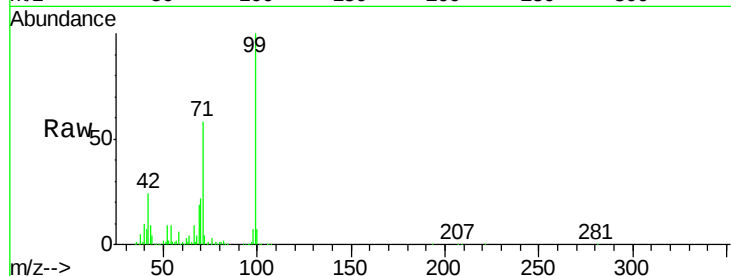
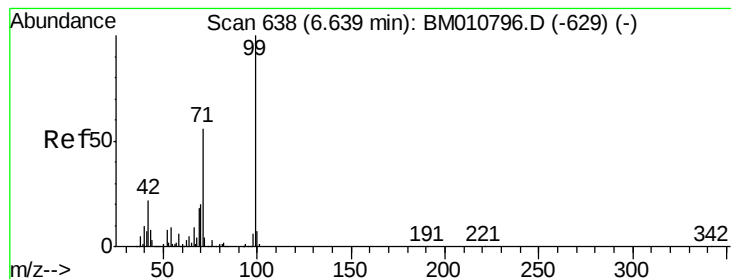


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 124.719 ng

RT: 6.64 min Scan# 638

Delta R.T. 0.00 min

Lab File: BM010807.D

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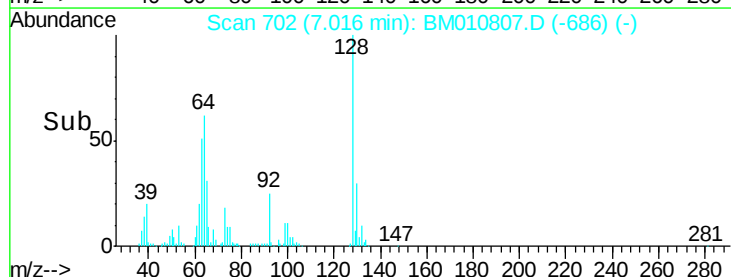
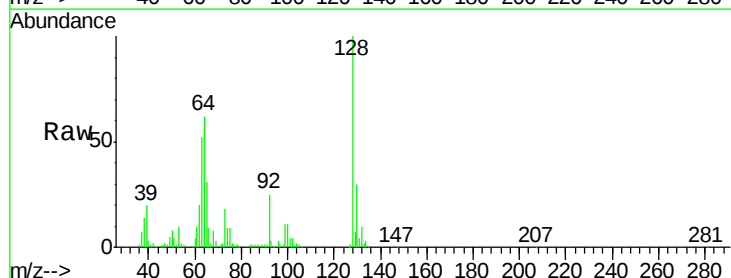
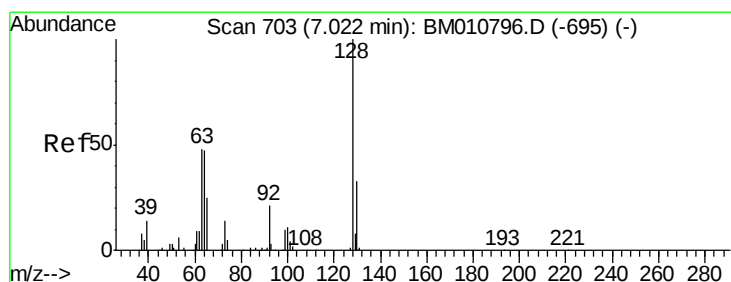
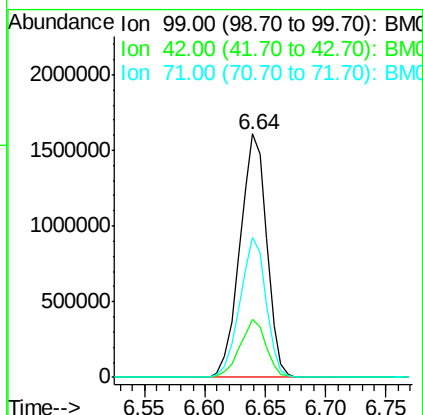
Tgt Ion: 99 Resp: 2493829

Ion Ratio Lower Upper

99 100

42 23.6 11.0 16.4#

71 57.7 23.4 35.2#



#8

2-Chlorophenol

Concen: 20.024 ng

RT: 7.02 min Scan# 702

Delta R.T. -0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

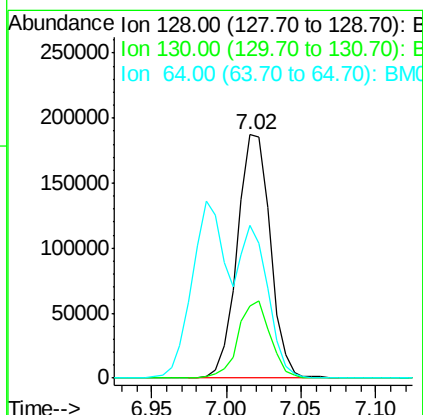
Tgt Ion: 128 Resp: 287559

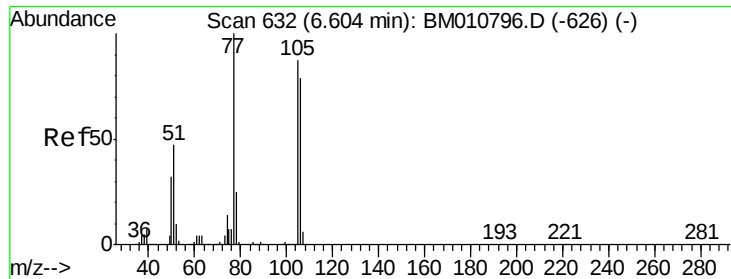
Ion Ratio Lower Upper

128 100

130 29.8 12.0 52.0

64 62.5 24.9 64.9





#9

Benzaldehyde

Concen: 16.904 ng

RT: 6.60 min Scan# 632

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

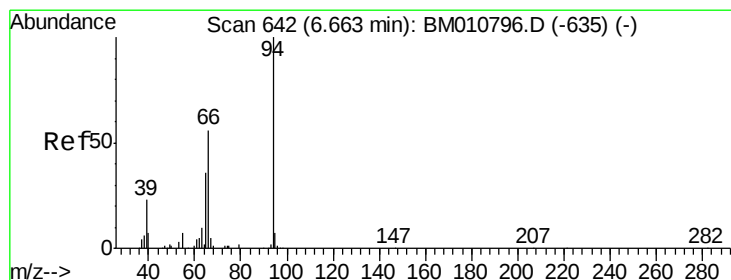
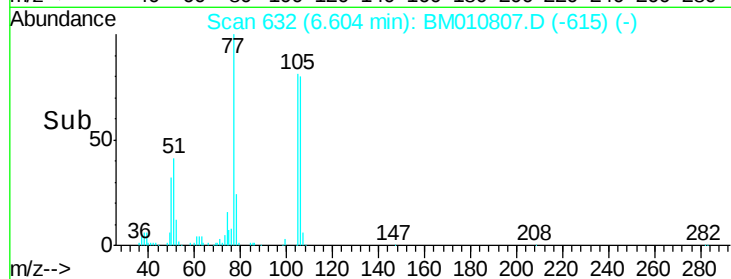
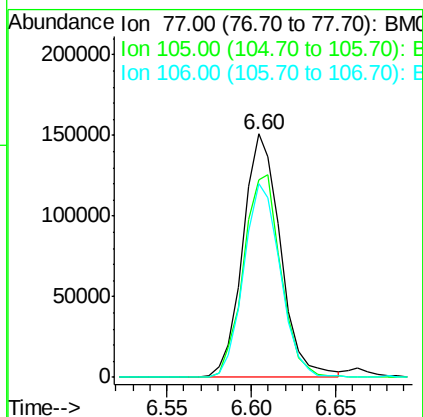
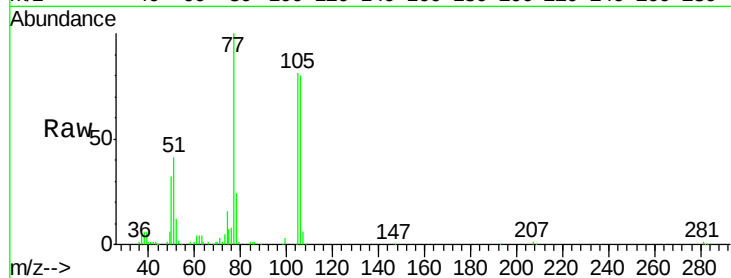
Tgt Ion: 77 Resp: 234695

Ion Ratio Lower Upper

77 100

105 81.2 78.8 118.8

106 79.8 73.7 113.7



#10

Phenol

Concen: 20.535 ng

RT: 6.66 min Scan# 642

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

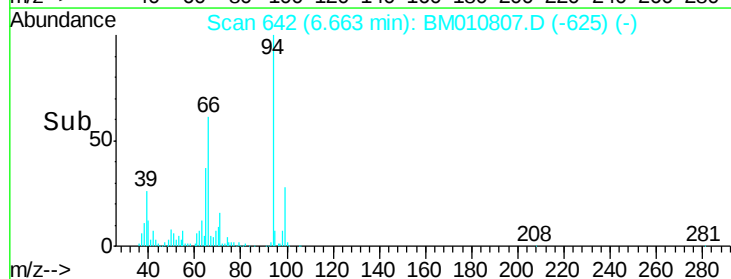
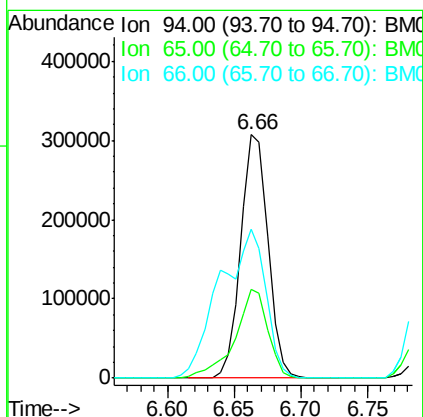
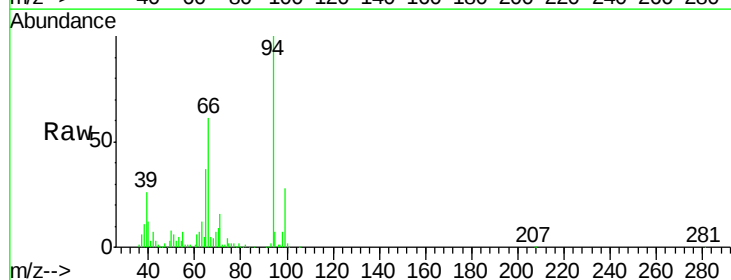
Tgt Ion: 94 Resp: 434140

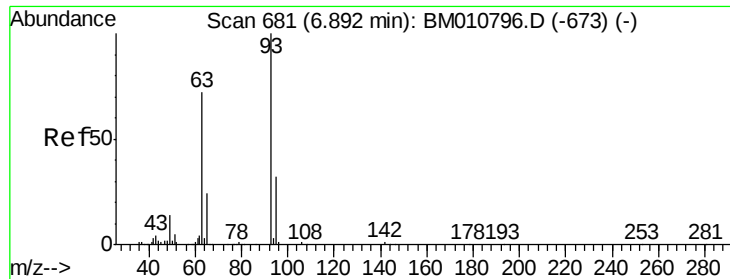
Ion Ratio Lower Upper

94 100

65 36.5 18.8 58.8

66 61.1 39.9 79.9

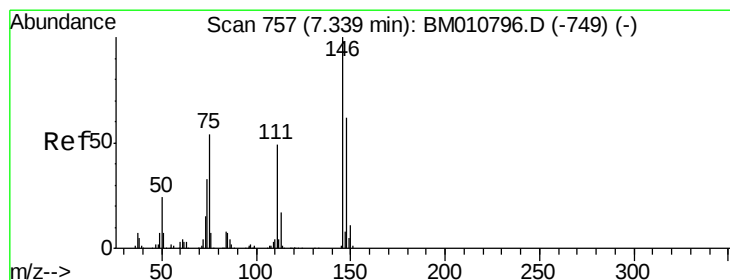
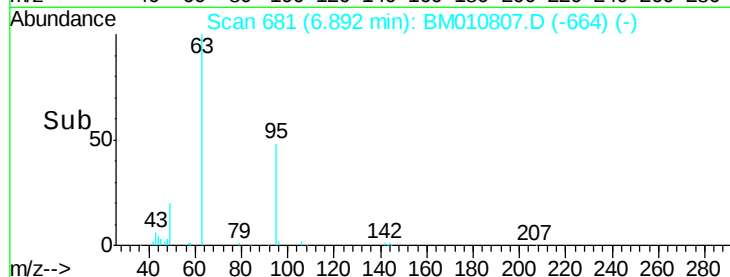
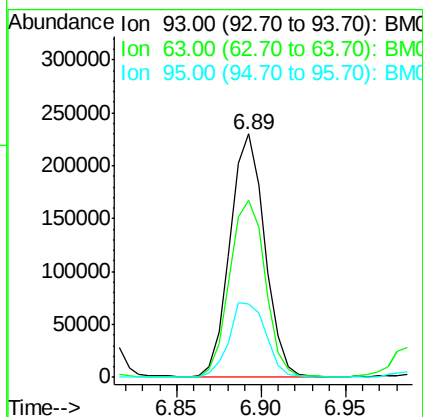
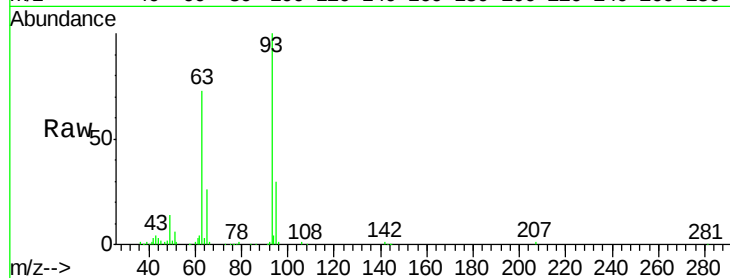




#11
bis(2-Chloroethyl)ether
Concen: 20.141 ng
RT: 6.89 min Scan# 681
Delta R.T. 0.00 min
Lab File: BM010807.D
Acq: 13 Jul 2017 11:53

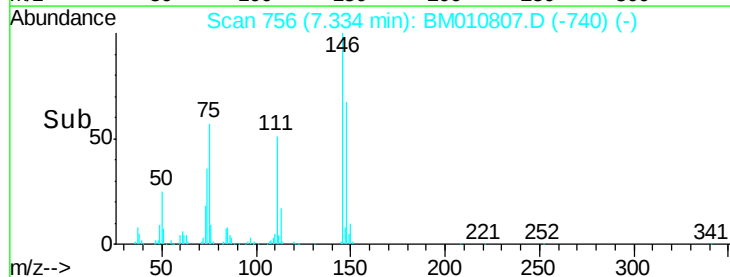
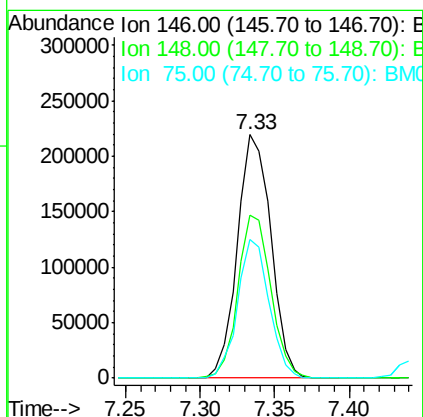
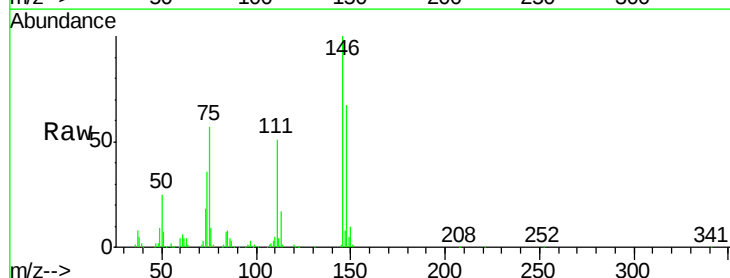
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2017

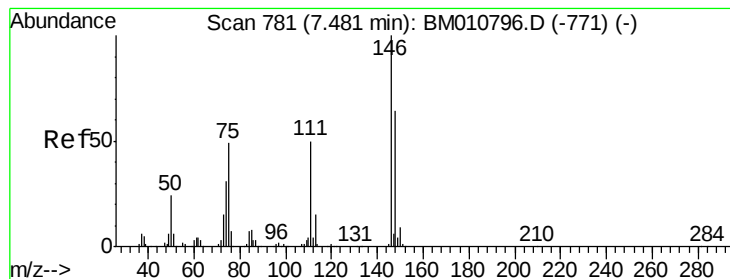
Tgt Ion	Ratio	Lower	Upper
93	100		
63	72.9	49.5	89.5
95	30.3	13.5	53.5



#12
1,3-Dichlorobenzene
Concen: 19.333 ng
RT: 7.33 min Scan# 756
Delta R.T. -0.01 min
Lab File: BM010807.D
Acq: 13 Jul 2017 11:53

Tgt Ion	Ratio	Lower	Upper
146	100		
148	67.2	50.9	76.3
75	56.9	21.4	32.2





#13

1,4-Dichlorobenzene

Concen: 19.594 ng

RT: 7.48 min Scan# 781

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

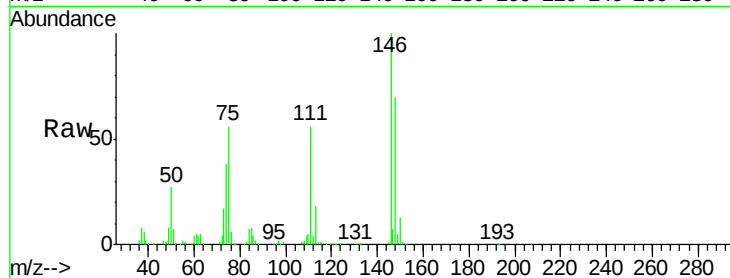
Tgt Ion:146 Resp: 358849

Ion Ratio Lower Upper

146 100

148 69.8 51.9 77.9

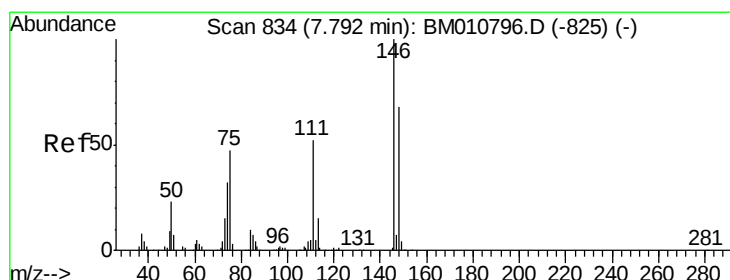
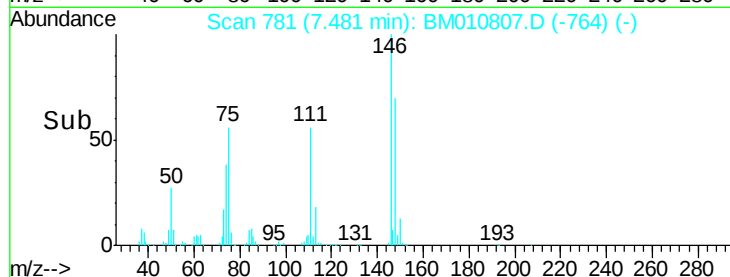
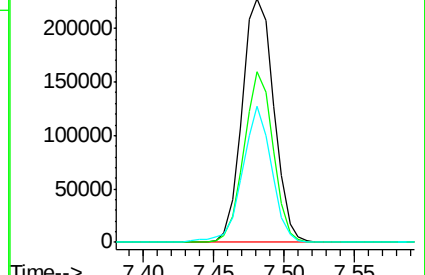
111 55.7 29.2 43.8#



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: 19.860 ng

RT: 7.79 min Scan# 834

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

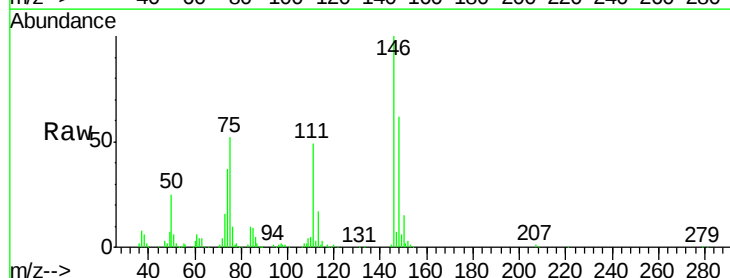
Tgt Ion:146 Resp: 346599

Ion Ratio Lower Upper

146 100

148 62.1 52.3 78.5

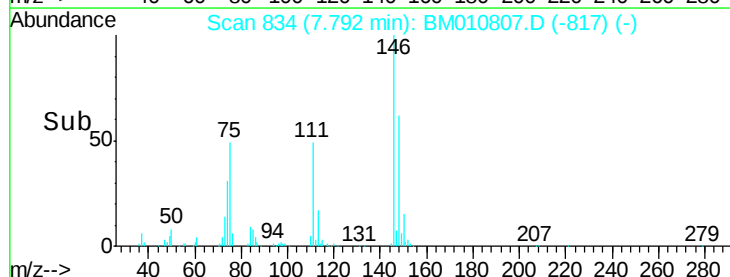
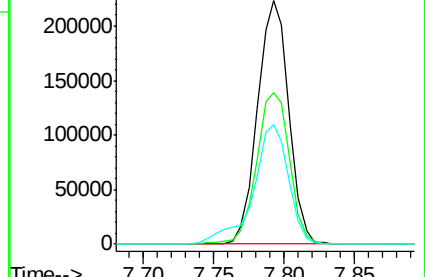
111 49.2 30.6 45.8#

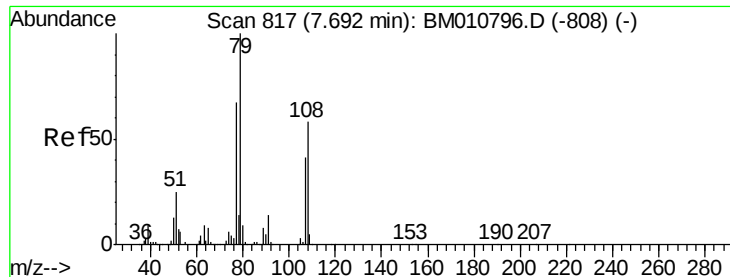


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 20.670 ng

RT: 7.69 min Scan# 816

Delta R.T. -0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

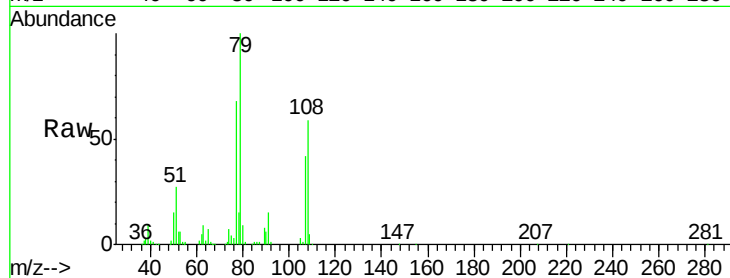
Tgt Ion: 79 Resp: 391356

Ion Ratio Lower Upper

79 100

108 59.1 65.0 97.4#

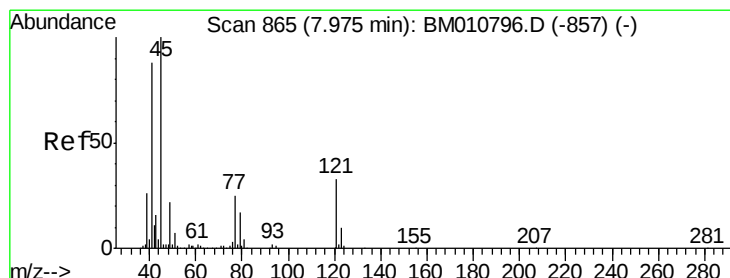
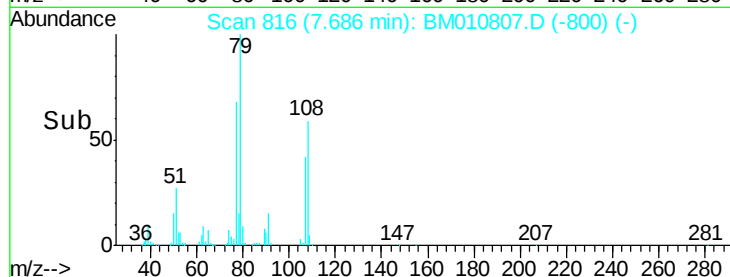
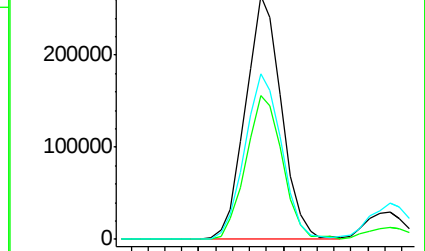
77 68.0 53.0 79.6



Abundance Ion 79.00 (78.70 to 79.70): BM010796.D (-808) (-)

Ion 108.00 (107.70 to 108.70): BM010796.D (-808) (-)

Ion 77.00 (76.70 to 77.70): BM010796.D (-808) (-)



#16

2,2'-oxybis(1-Chloropropane)

Concen: 21.530 ng

RT: 7.99 min Scan# 867

Delta R.T. 0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

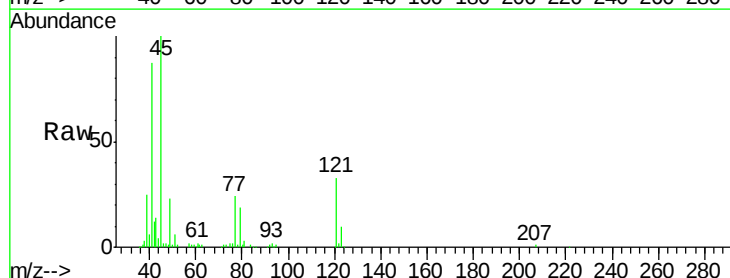
Tgt Ion: 45 Resp: 303929

Ion Ratio Lower Upper

45 100

77 23.6 0.0 35.2

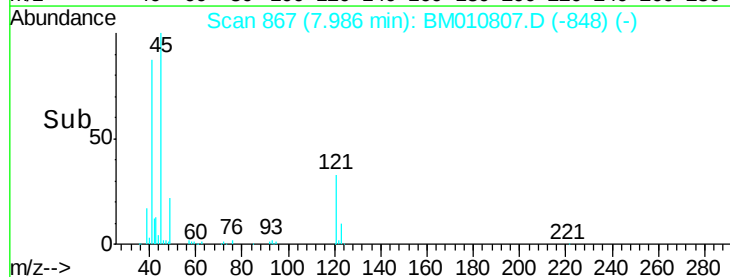
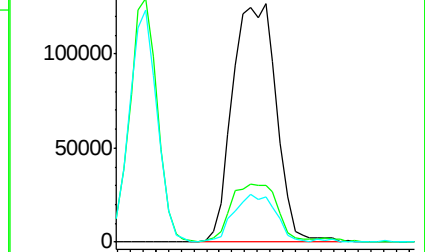
79 18.8 0.0 32.0

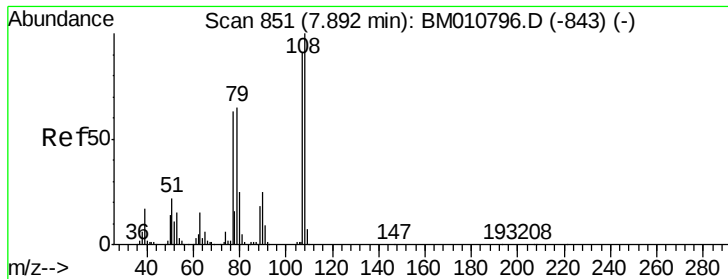


Abundance Ion 45.00 (44.70 to 45.70): BM010796.D (-857) (-)

Ion 77.00 (76.70 to 77.70): BM010796.D (-857) (-)

Ion 79.00 (78.70 to 79.70): BM010796.D (-857) (-)

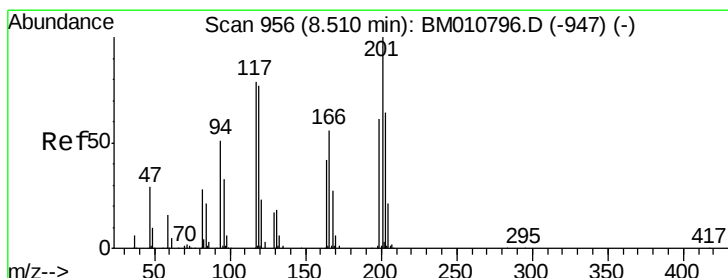
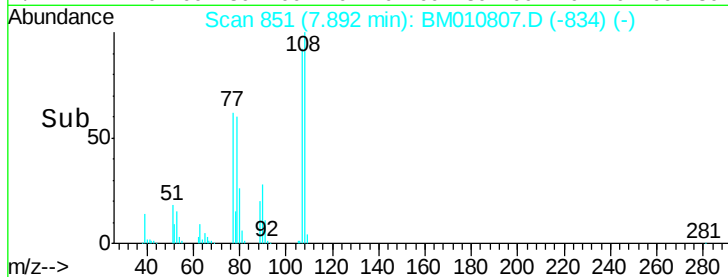
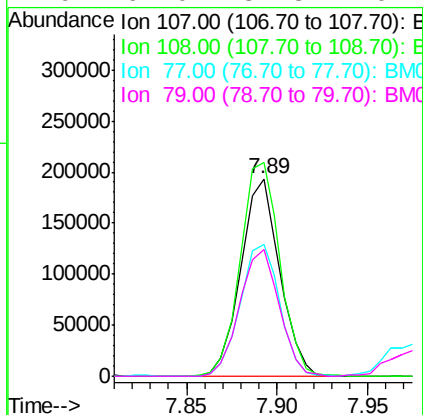
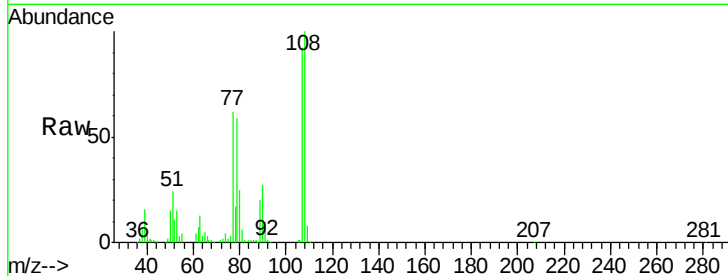




#17
2-Methylphenol
Concen: 21.020 ng
RT: 7.89 min Scan# 851
Delta R.T. 0.00 min
Lab File: BM010807.D
Acq: 13 Jul 2017 11:53

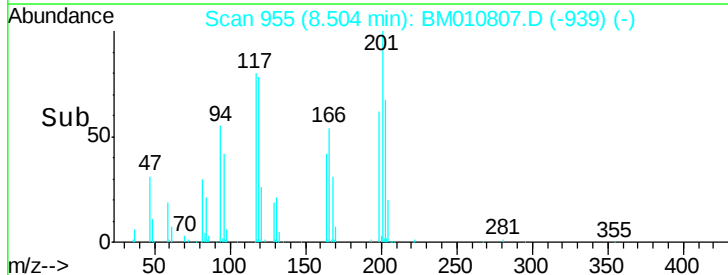
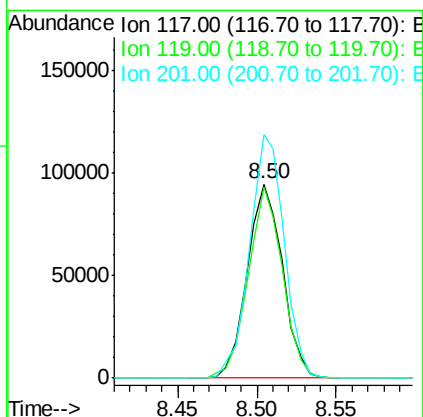
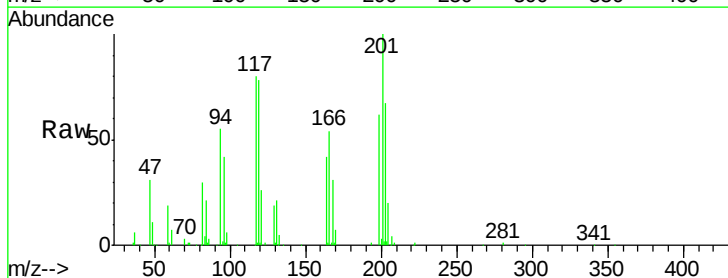
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2017

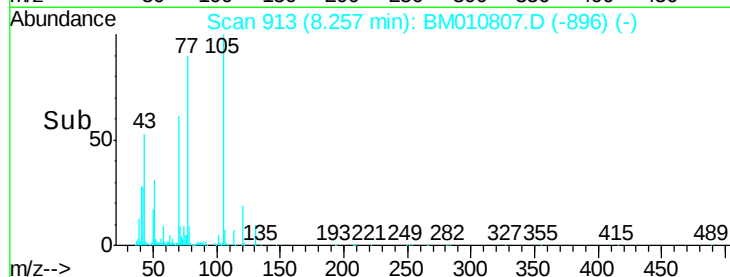
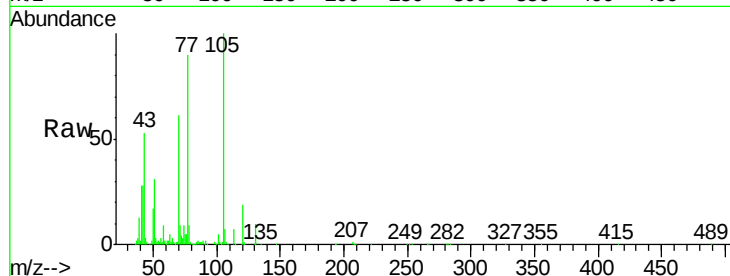
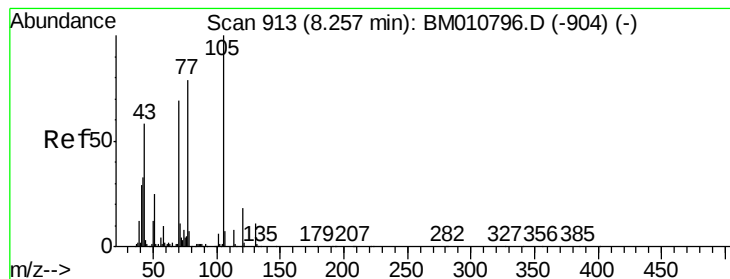
Tgt Ion	Ratio	Lower	Upper
107	100		
108	108.3	89.8	134.8
77	67.0	32.6	48.8#
79	64.0	32.8	49.2#



#18
Hexachloroethane
Concen: 18.992 ng
RT: 8.50 min Scan# 956
Delta R.T. -0.01 min
Lab File: BM010807.D
Acq: 13 Jul 2017 11:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	79.2	118.8
201	125.3	69.8	104.6#





#19

n-Nitroso-di-n-propylamine

Concen: 21.458 ng

RT: 8.26 min Scan# 913

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

Tgt Ion: 70 Resp: 339879

Ion Ratio Lower Upper

70 100

42 46.3 44.5 66.7

101 7.7 7.4 11.2

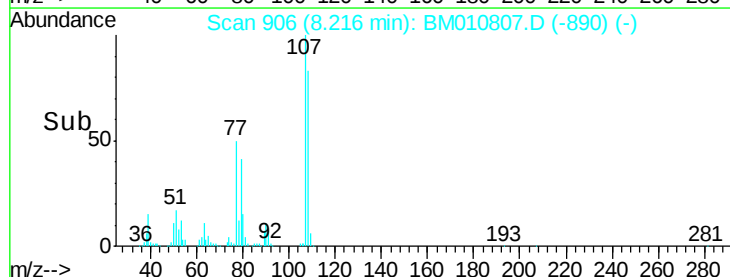
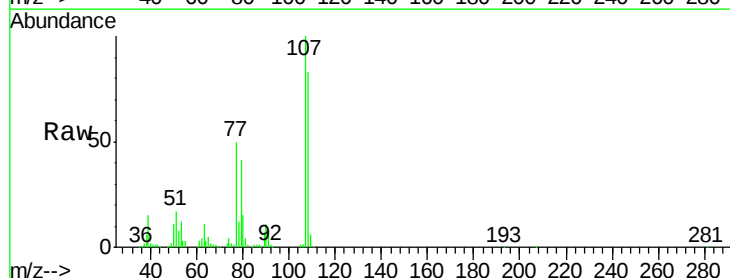
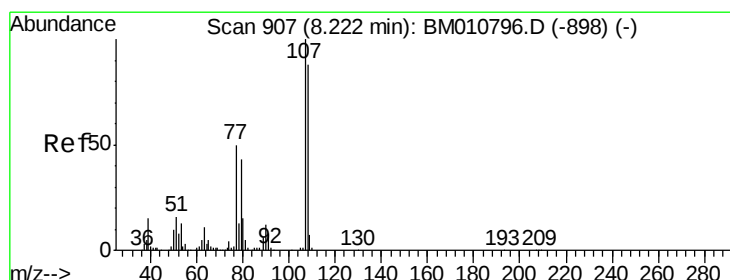
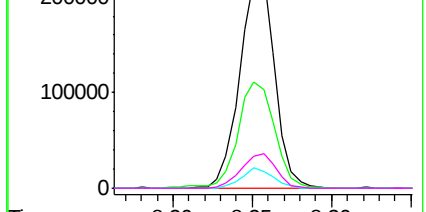
130 16.1 15.3 22.9

Abundance Ion 70.00 (69.70 to 70.70): BM010807.D (-896) (-)

Ion 42.00 (41.70 to 42.70): BM010807.D (-896) (-)

Ion 101.00 (100.70 to 101.70): BM010807.D (-896) (-)

Ion 130.00 (129.70 to 130.70): BM010807.D (-896) (-)



#20

3+4-Methylphenols

Concen: 21.003 ng

RT: 8.22 min Scan# 906

Delta R.T. -0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Tgt Ion: 107 Resp: 398965

Ion Ratio Lower Upper

107 100

108 83.4 73.2 113.2

77 50.5 10.7 50.7

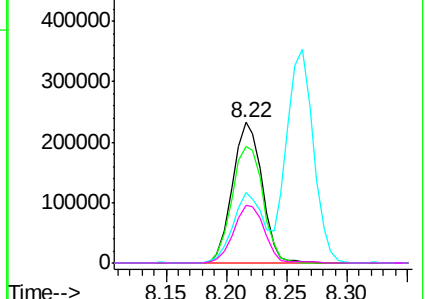
79 41.0 9.6 49.6

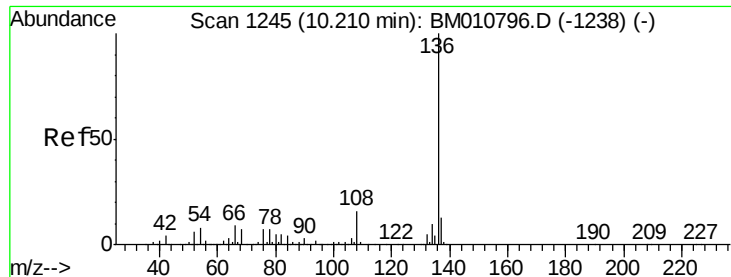
Abundance Ion 107.00 (106.70 to 107.70): BM010807.D (-890) (-)

Ion 108.00 (107.70 to 108.70): BM010807.D (-890) (-)

Ion 77.00 (76.70 to 77.70): BM010807.D (-890) (-)

Ion 79.00 (78.70 to 79.70): BM010807.D (-890) (-)

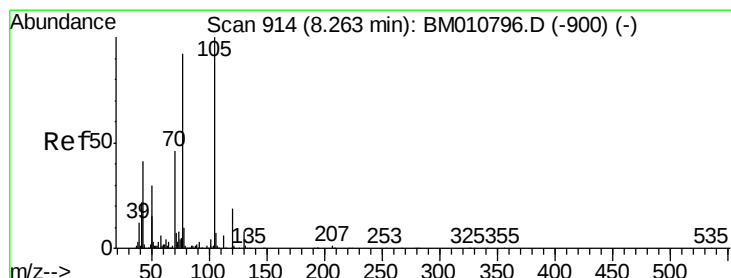
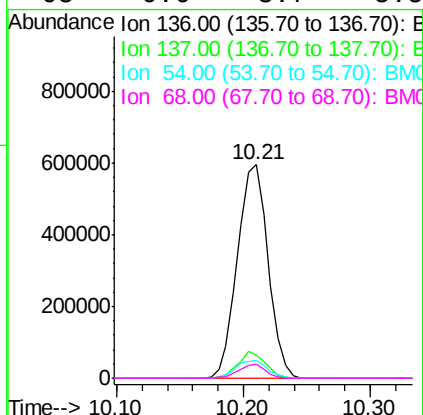
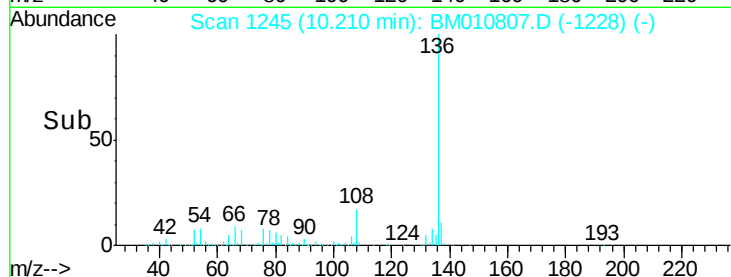
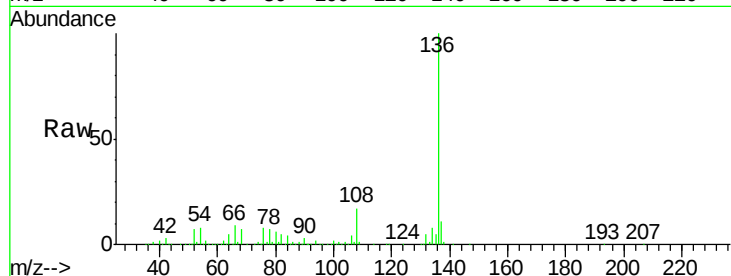




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.21 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BM010807.D
Acq: 13 Jul 2017 11:53

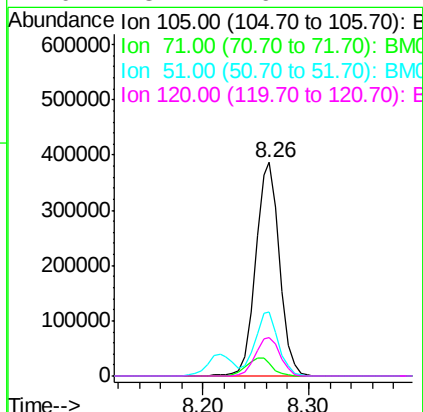
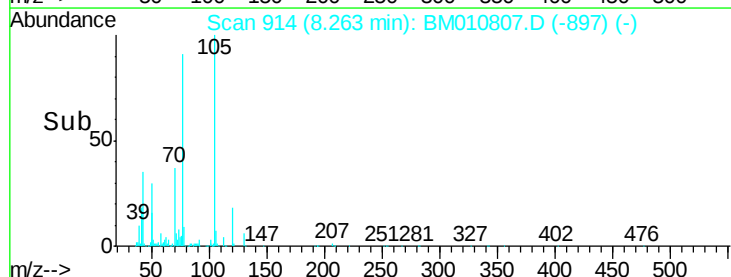
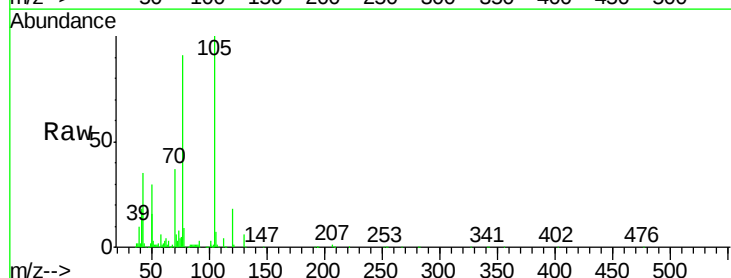
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2017

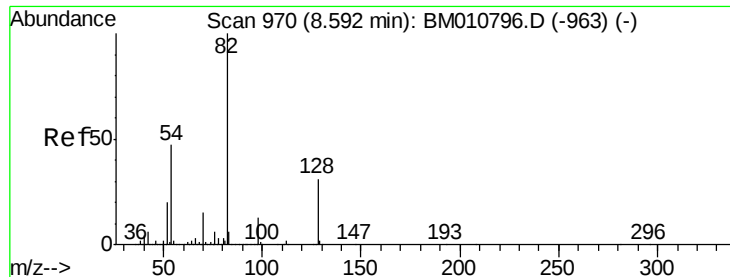
Tgt Ion:	136	Resp:	997731
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	8.3	4.6	6.8#
68	6.6	3.7	5.5#



#22
Acetophenone
Concen: 20.316 ng
RT: 8.26 min Scan# 914
Delta R.T. 0.00 min
Lab File: BM010807.D
Acq: 13 Jul 2017 11:53

Tgt Ion:	105	Resp:	610319
Ion	Ratio	Lower	Upper
105	100		
71	5.8	0.6	1.0#
51	30.2	21.6	32.4
120	18.1	16.1	24.1

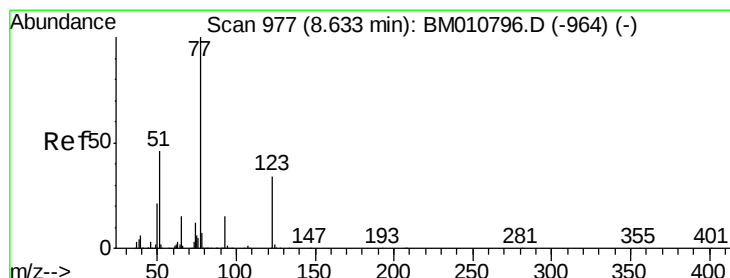
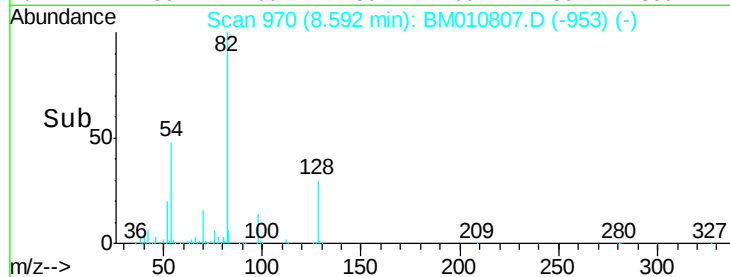
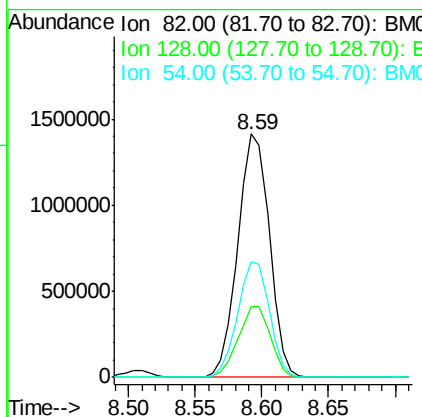
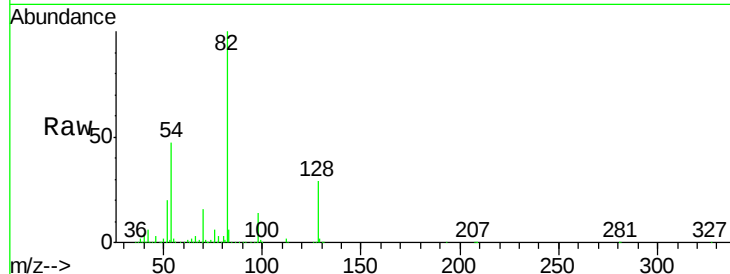




#23
 Nitrobenzene-d5
 Concen: 89.345 ng
 RT: 8.59 min Scan# 970
 Delta R.T. 0.00 min
 Lab File: BM010807.D
 Acq: 13 Jul 2017 11:53

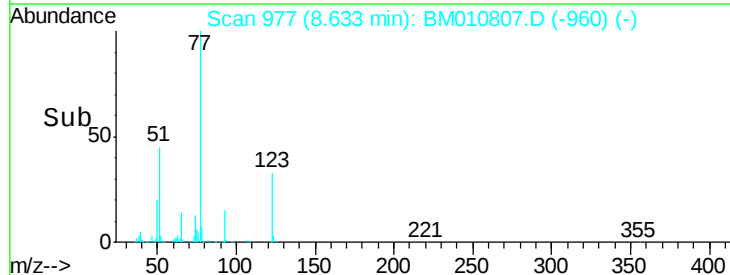
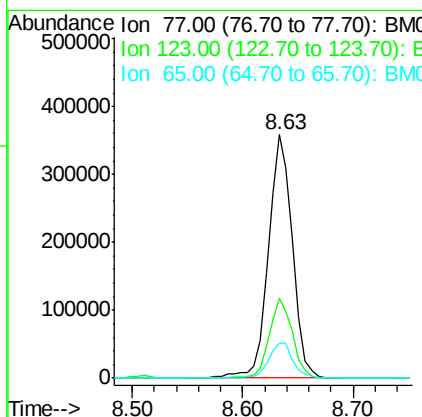
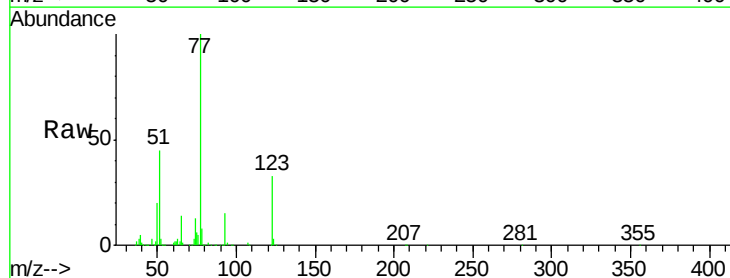
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

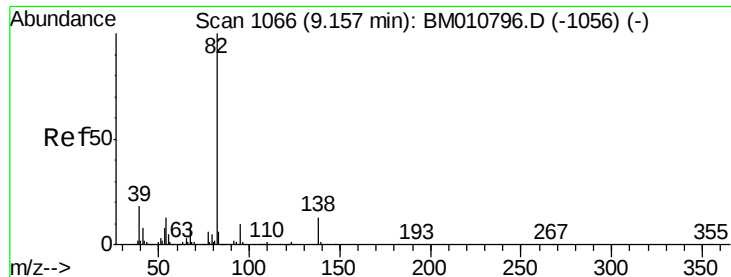
Tgt Ion: 82 Resp: 2319133
 Ion Ratio Lower Upper
 82 100
 128 29.2 32.8 49.2#
 54 47.3 40.6 60.8



#24
 Nitrobenzene
 Concen: 20.405 ng
 RT: 8.63 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: BM010807.D
 Acq: 13 Jul 2017 11:53

Tgt Ion: 77 Resp: 542829
 Ion Ratio Lower Upper
 77 100
 123 32.8 32.6 49.0
 65 14.3 10.9 16.3

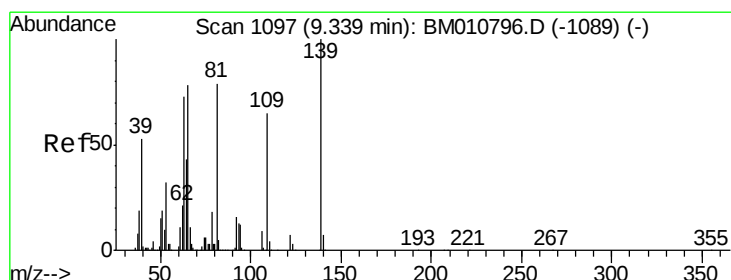
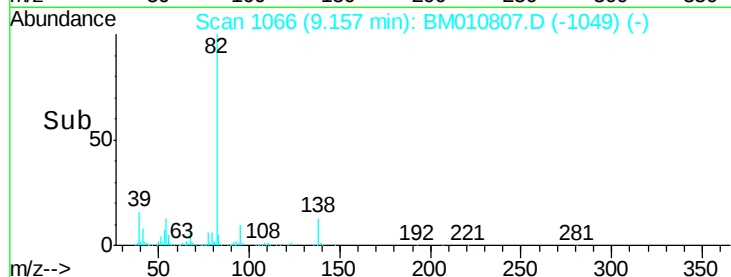
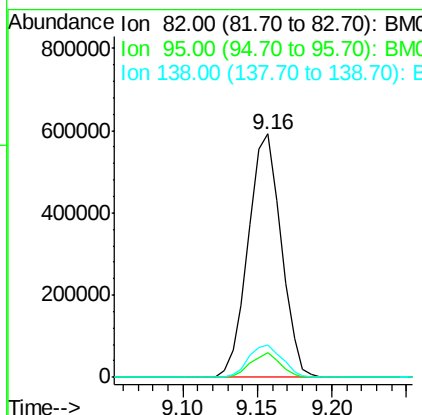
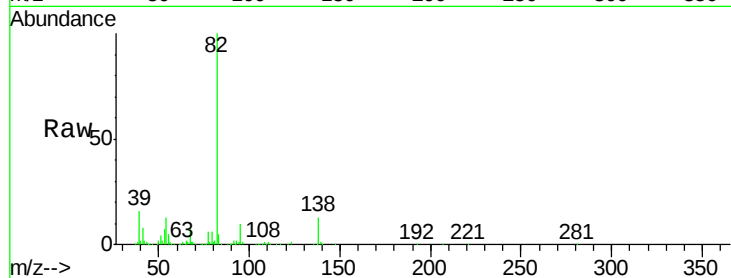




#25
Isophorone
Concen: 21.254 ng
RT: 9.16 min Scan# 1066
Delta R.T. 0.00 min
Lab File: BM010807.D
Acq: 13 Jul 2017 11:53

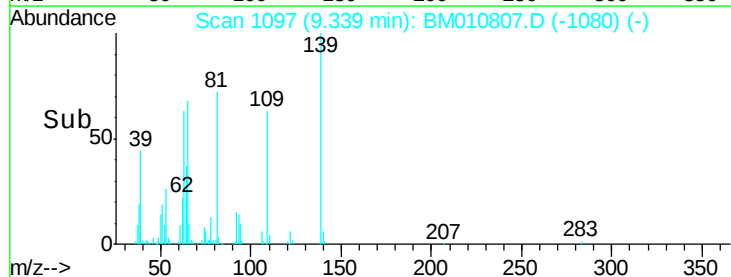
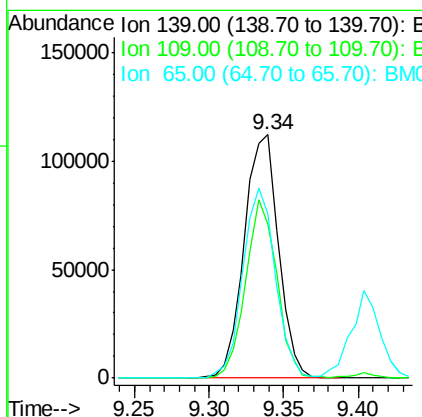
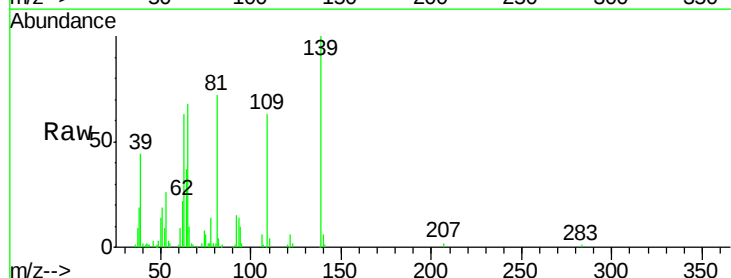
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2017

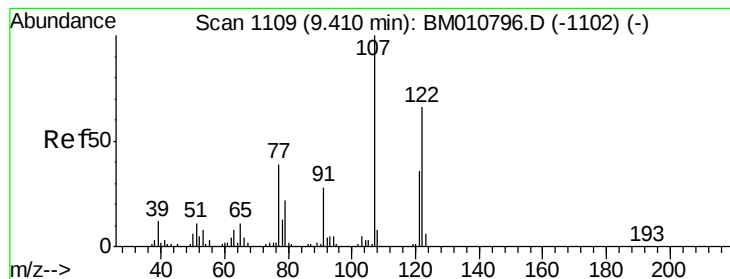
Tgt Ion: 82 Resp: 903813
Ion Ratio Lower Upper
82 100
95 9.9 5.8 8.6#
138 13.1 16.3 24.5#



#26
2-Nitrophenol
Concen: 20.150 ng
RT: 9.34 min Scan# 1097
Delta R.T. 0.00 min
Lab File: BM010807.D
Acq: 13 Jul 2017 11:53

Tgt Ion: 139 Resp: 178372
Ion Ratio Lower Upper
139 100
109 63.2 20.1 30.1#
65 67.7 31.5 47.3#





#27

2,4-Dimethylphenol

Concen: 20.371 ng

RT: 9.40 min Scan# 1108

Delta R.T. -0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

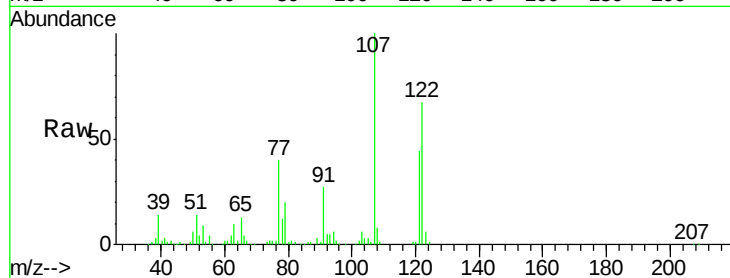
Tgt Ion:122 Resp: 321847

Ion Ratio Lower Upper

122 100

107 150.0 84.7 127.1#

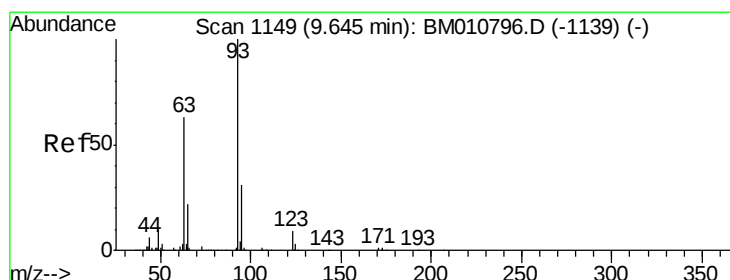
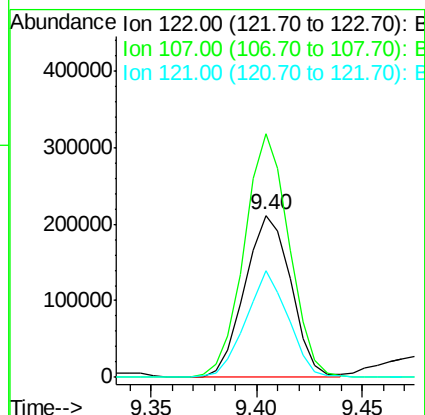
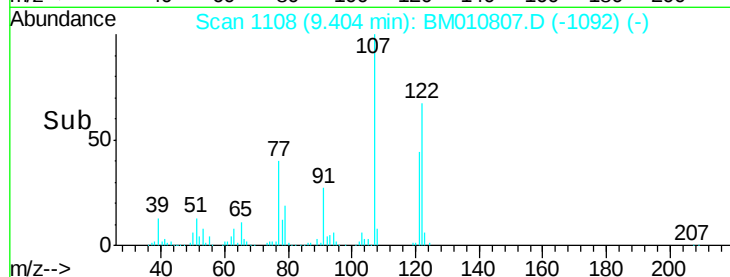
121 65.5 46.6 69.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 20.107 ng

RT: 9.65 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

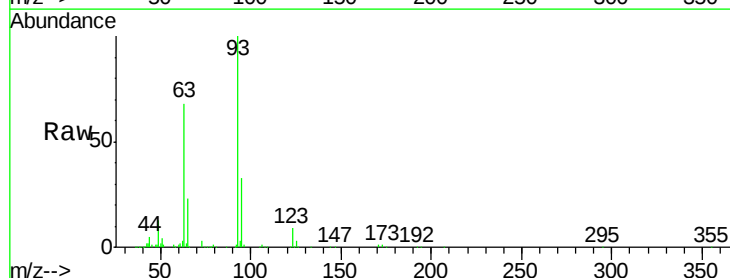
Tgt Ion: 93 Resp: 479307

Ion Ratio Lower Upper

93 100

95 33.2 25.5 38.3

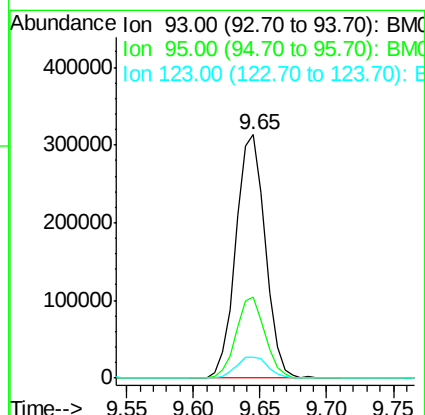
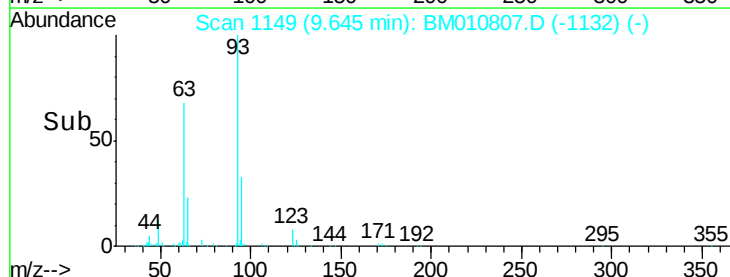
123 8.7 8.6 13.0

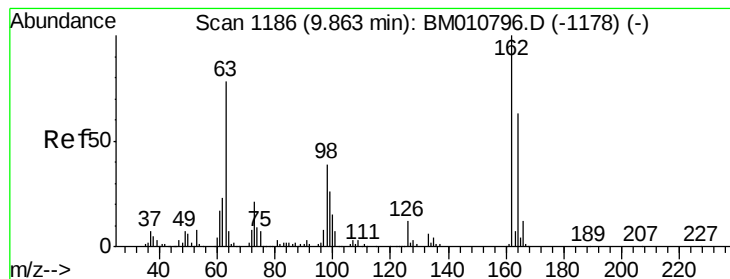


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 20.061 ng

RT: 9.86 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

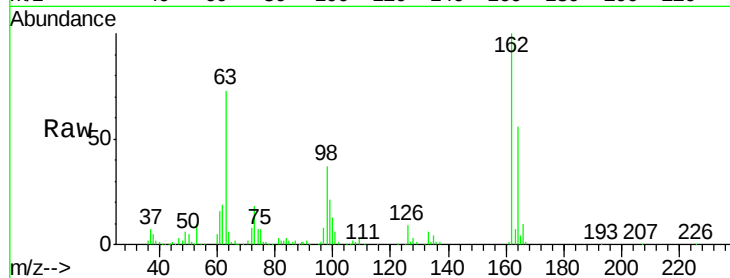
Tgt Ion:162 Resp: 358031

Ion Ratio Lower Upper

162 100

164 55.9 42.8 82.8

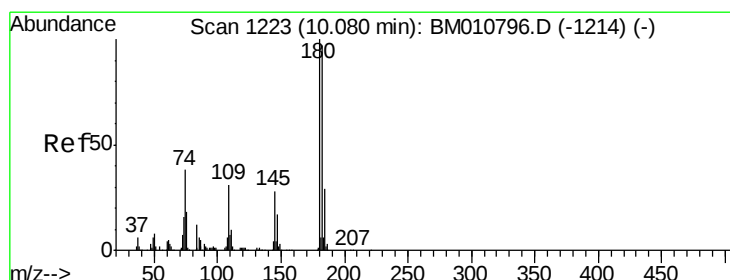
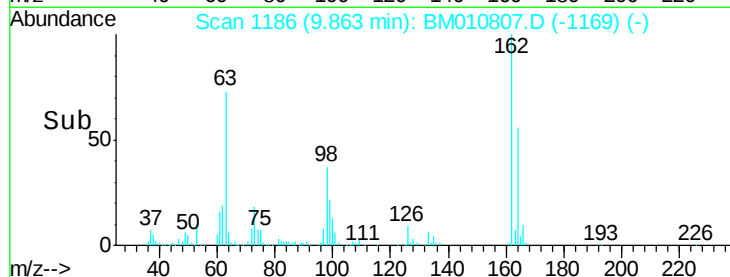
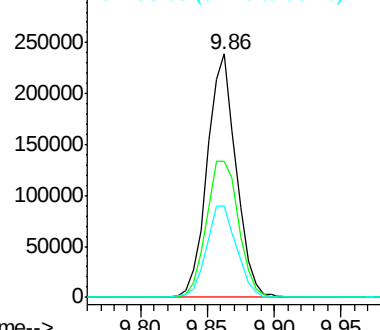
98 37.5 14.5 54.5



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: 19.358 ng

RT: 10.07 min Scan# 1222

Delta R.T. -0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

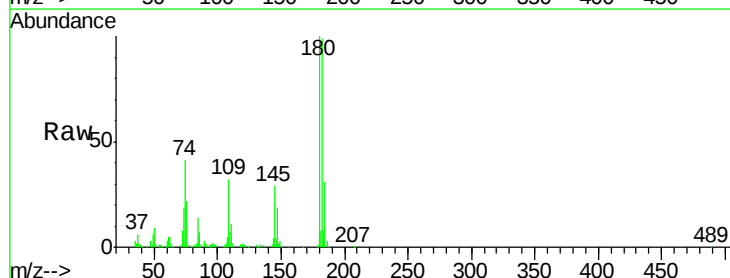
Tgt Ion:180 Resp: 422355

Ion Ratio Lower Upper

180 100

182 99.1 77.6 116.4

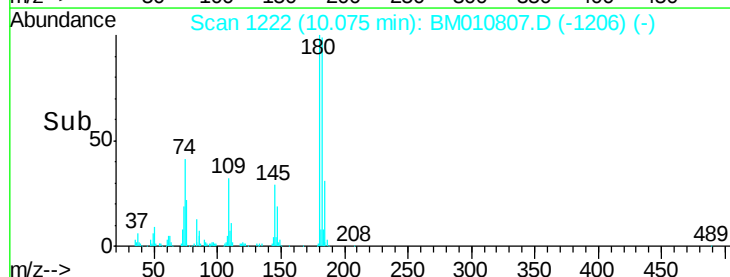
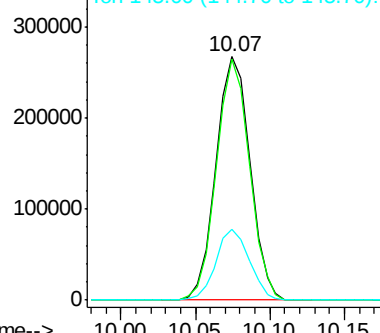
145 29.1 23.4 35.2

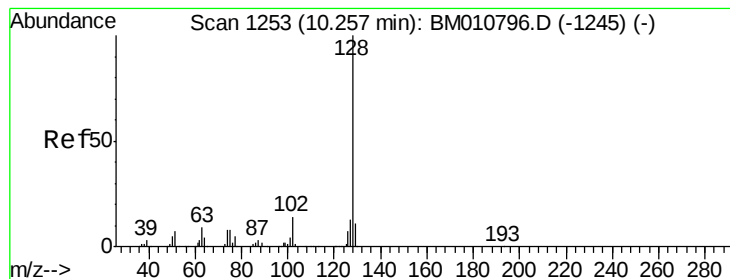


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 19.610 ng

RT: 10.26 min Scan# 1253

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

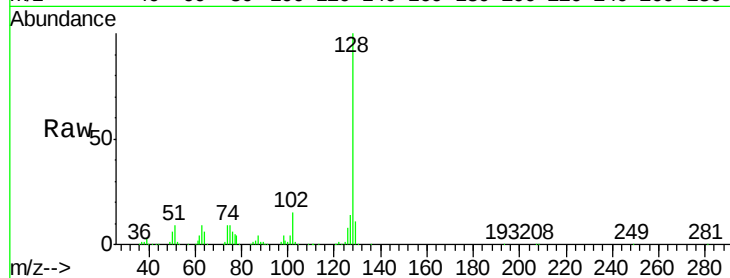
Tgt Ion:128 Resp: 994835

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

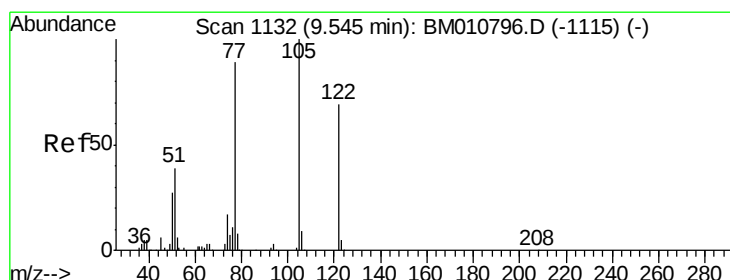
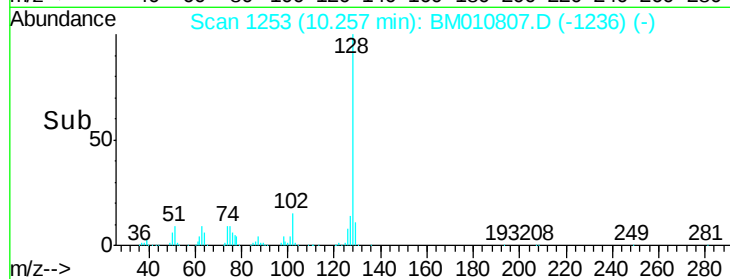
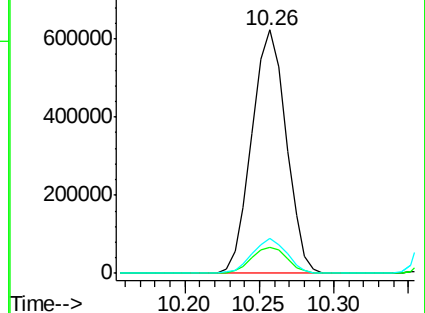
127 14.1 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 20.995 ng

RT: 9.53 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

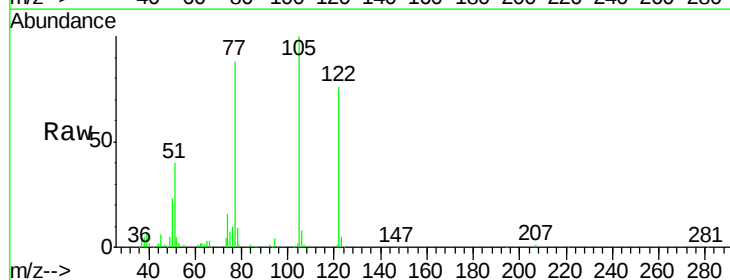
Tgt Ion:122 Resp: 260260

Ion Ratio Lower Upper

122 100

105 131.8 99.9 139.9

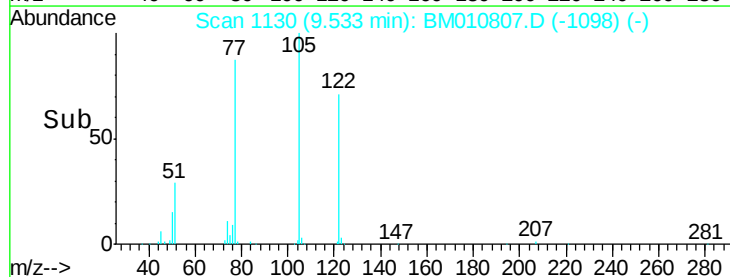
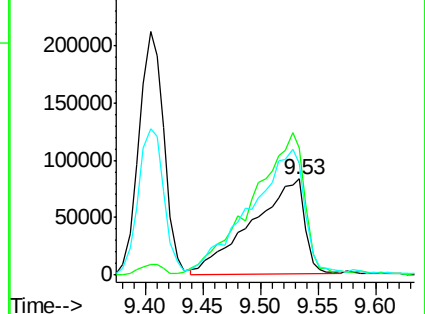
77 116.2 73.7 113.7#

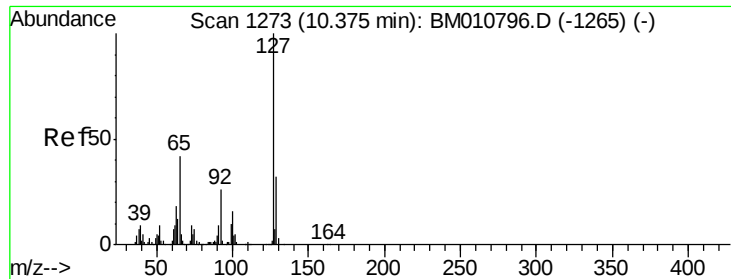


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): E

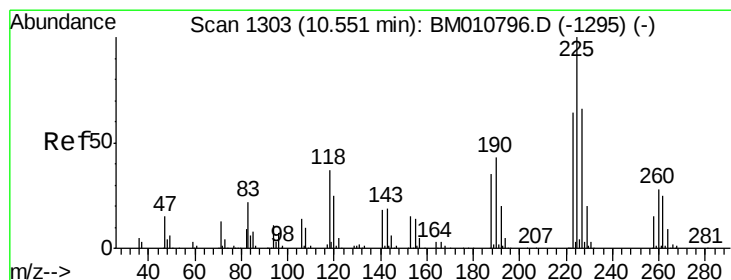
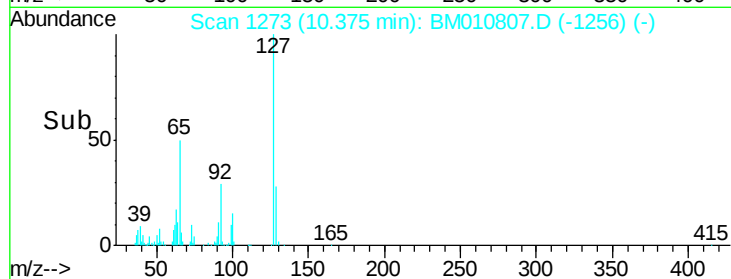
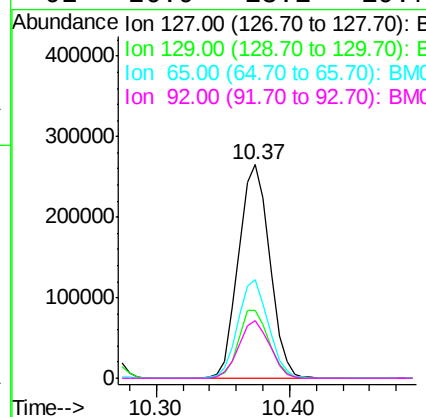
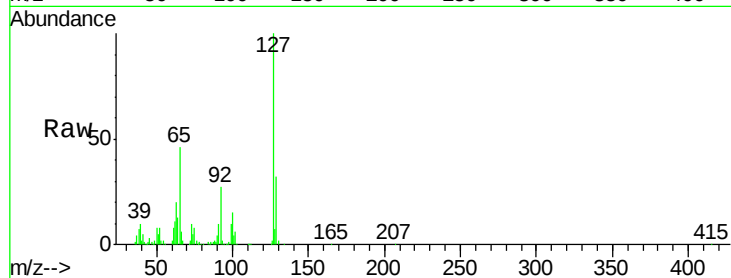




#33
4-Chloroaniline
Concen: 21.094 ng
RT: 10.37 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BM010807.D
Acq: 13 Jul 2017 11:53

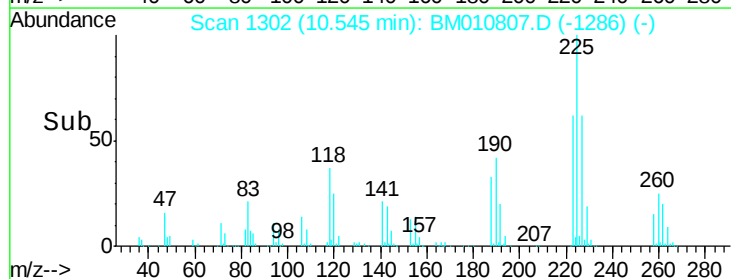
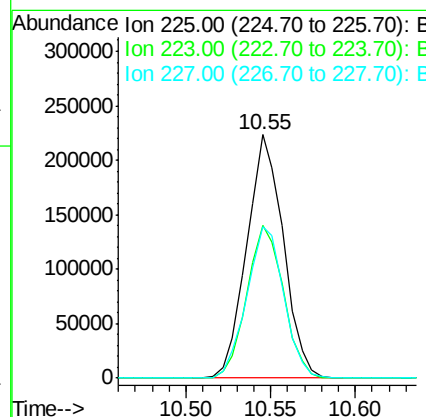
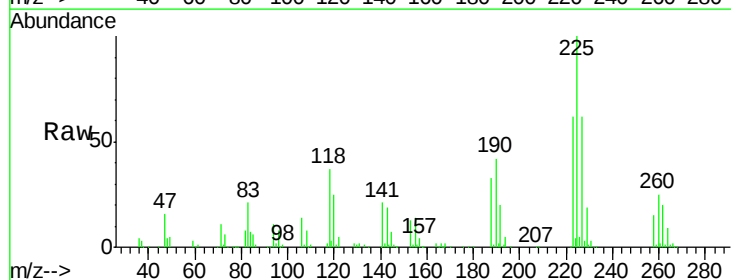
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2017

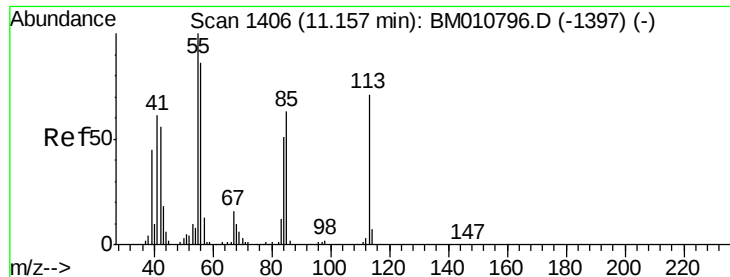
Tgt Ion:	127	Resp:	431142
Ion Ratio	Lower	Upper	
127	100		
129	32.0	25.3	37.9
65	46.2	17.6	26.4
92	26.9	13.1	19.7



#34
Hexachlorobutadiene
Concen: 19.902 ng
RT: 10.55 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BM010807.D
Acq: 13 Jul 2017 11:53

Tgt Ion:	225	Resp:	336924
Ion Ratio	Lower	Upper	
225	100		
223	62.5	47.9	71.9
227	62.0	50.1	75.1





#35

Caprolactam

Concen: 22.612 ng

RT: 11.15 min Scan# 1405

Delta R.T. -0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

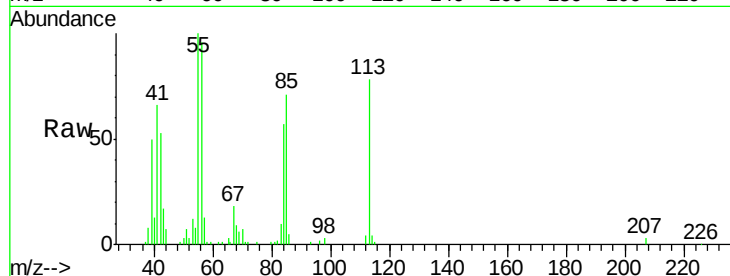
Tgt Ion:113 Resp: 107440

Ion Ratio Lower Upper

113 100

55 128.2 145.9 185.9#

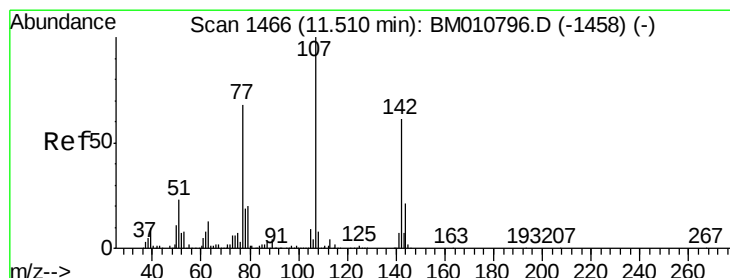
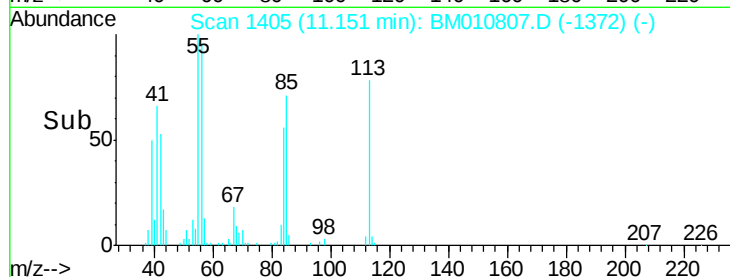
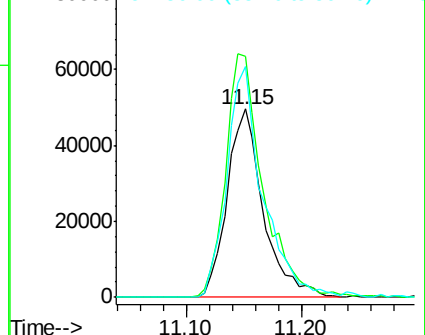
56 122.7 101.0 141.0



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 21.513 ng

RT: 11.50 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

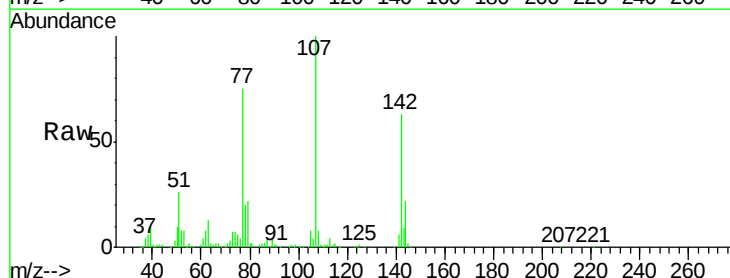
Tgt Ion:107 Resp: 464420

Ion Ratio Lower Upper

107 100

144 21.8 23.3 34.9#

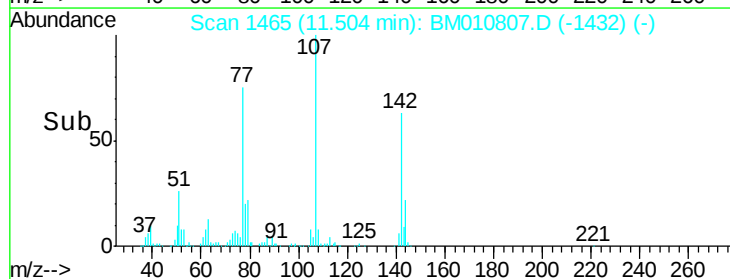
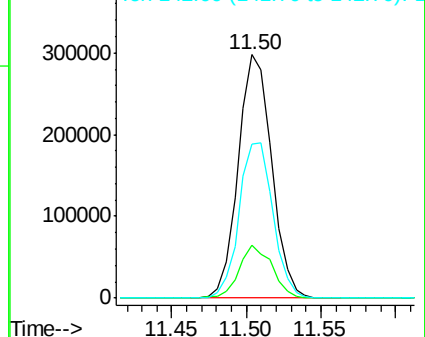
142 63.1 72.6 109.0#

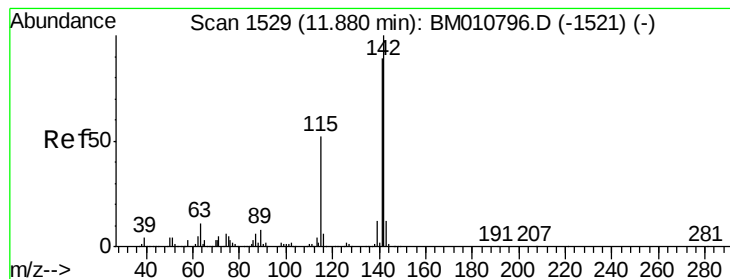


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 20.671 ng

RT: 11.88 min Scan# 1529

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

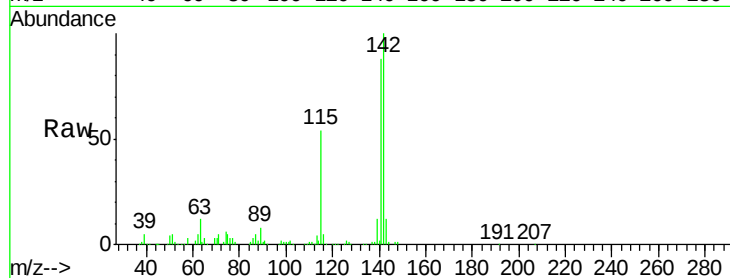
Tgt Ion:142 Resp: 753227

Ion Ratio Lower Upper

142 100

141 87.6 71.9 107.9

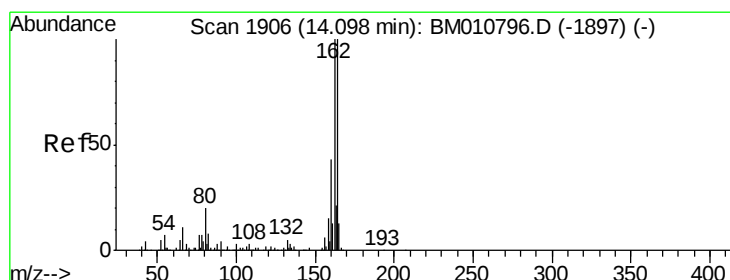
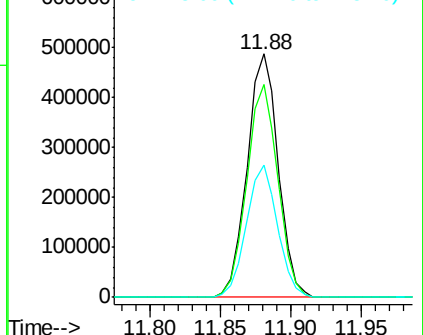
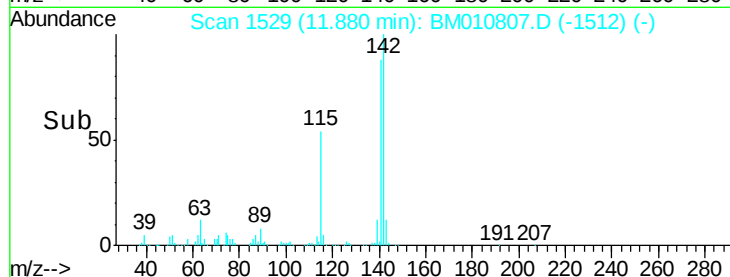
115 54.3 25.4 38.0#



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: BM010807.D

Acq: 13 Jul 2017 11:53

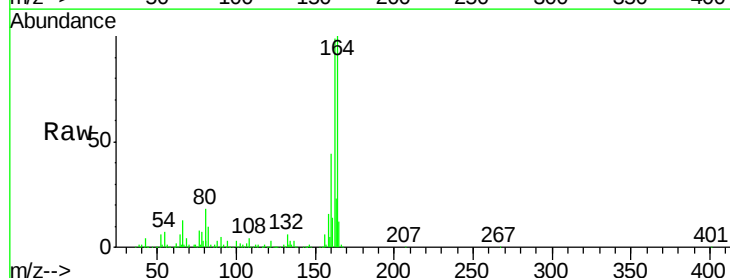
Tgt Ion:164 Resp: 715931

Ion Ratio Lower Upper

164 100

162 98.8 82.4 123.6

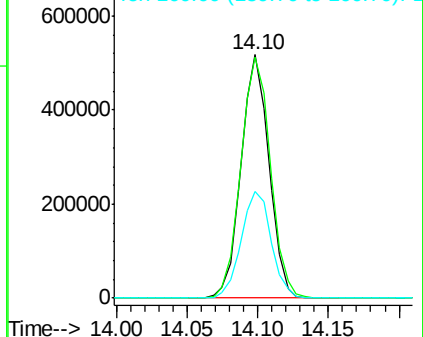
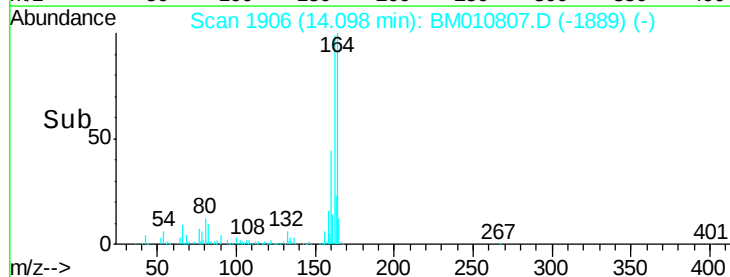
160 43.7 35.8 53.6

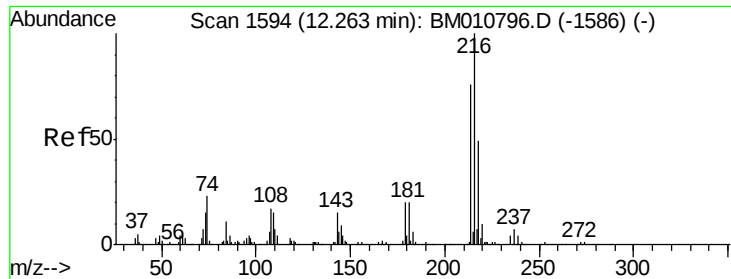


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

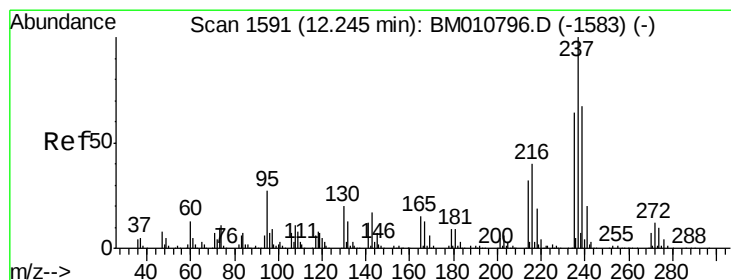
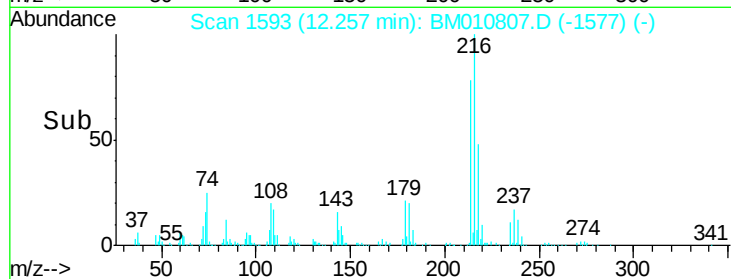
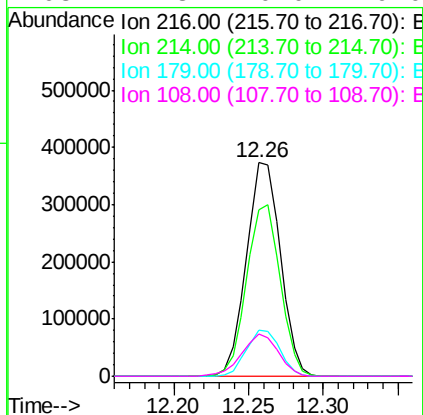
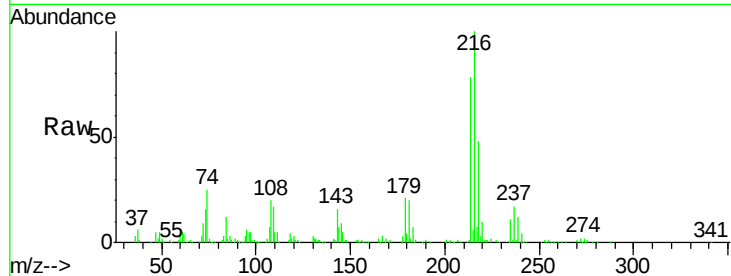




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 18.868 ng
 RT: 12.26 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BM010807.D
 Acq: 13 Jul 2017 11:53

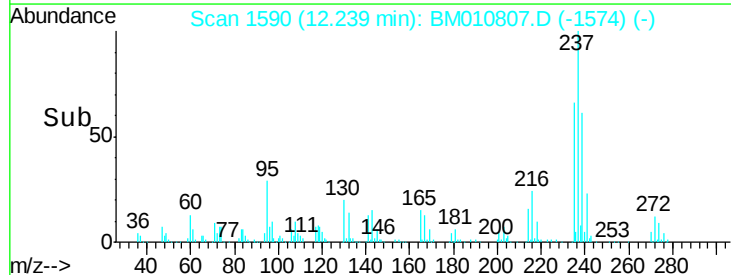
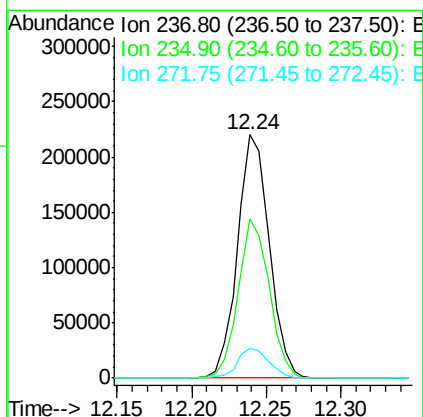
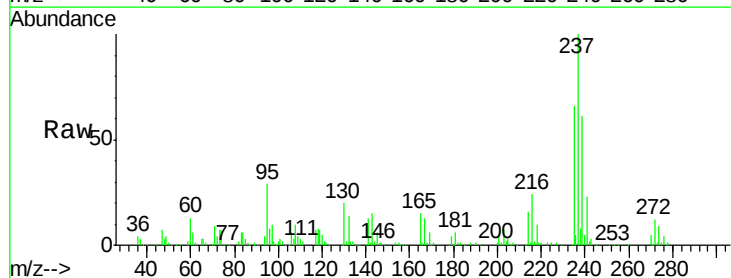
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

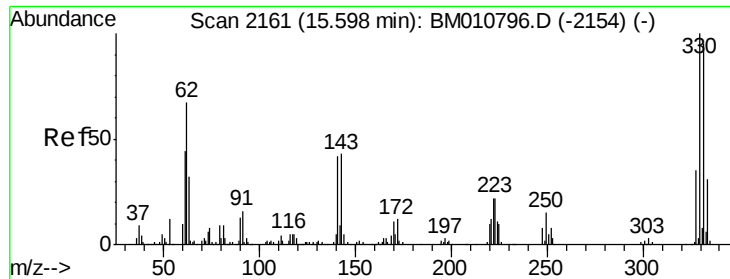
Tgt Ion:	216	Resp:	588815
Ion	Ratio	Lower	Upper
216	100		
214	79.1	0.0	0.0#
179	21.4	0.0	0.0#
108	21.3	0.0	0.0#



#40
 Hexachlorocyclopentadiene
 Concen: 18.223 ng
 RT: 12.24 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BM010807.D
 Acq: 13 Jul 2017 11:53

Tgt Ion:	237	Resp:	325991
Ion	Ratio	Lower	Upper
237	100		
235	65.5	42.0	82.0
272	12.5	0.0	33.4

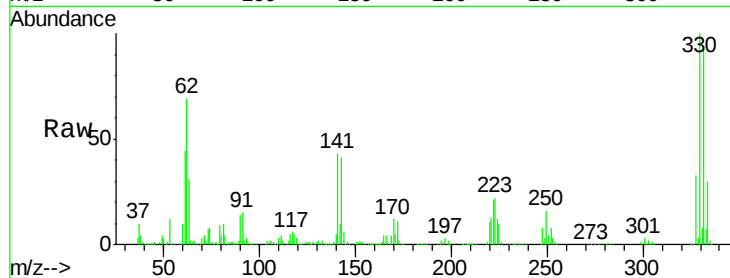




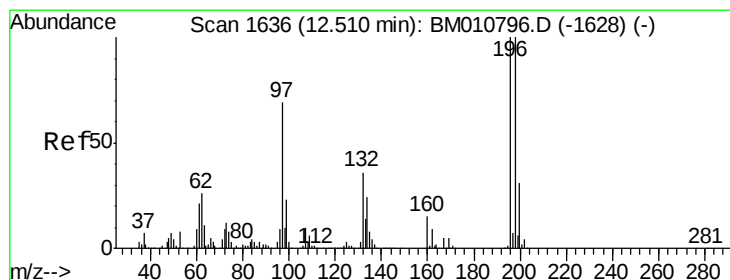
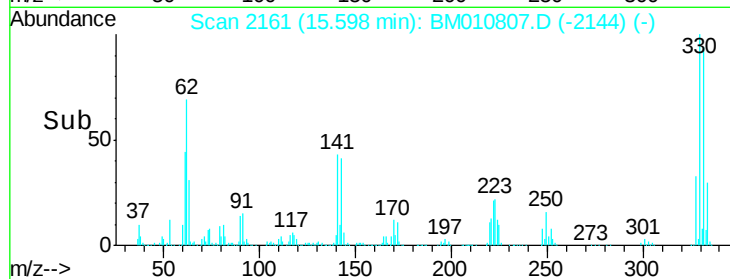
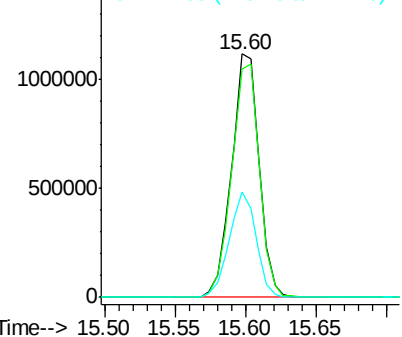
#41
 2,4,6-Tribromophenol
 Concen: 140.224 ng
 RT: 15.60 min Scan# 2161
 Delta R.T. 0.00 min
 Lab File: BM010807.D
 Acq: 13 Jul 2017 11:53

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

Tgt Ion:330 Resp: 1534163
 Ion Ratio Lower Upper
 330 100
 332 96.6 0.0 0.0#
 141 42.3 0.0 0.0#

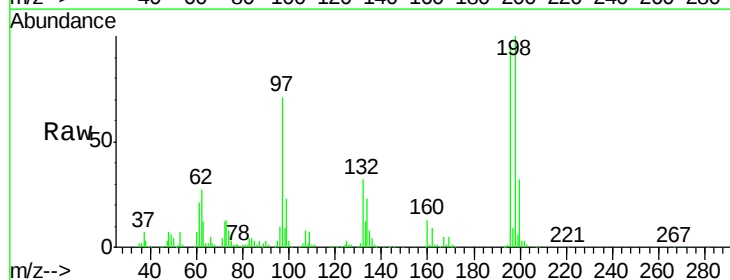


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

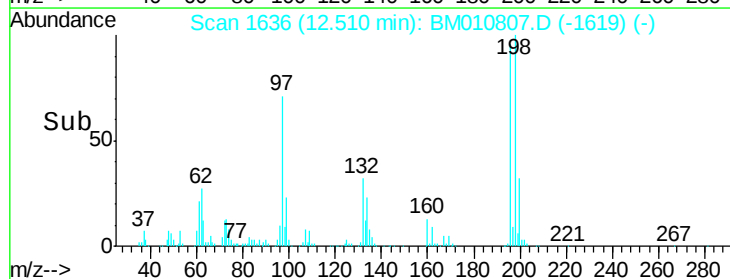
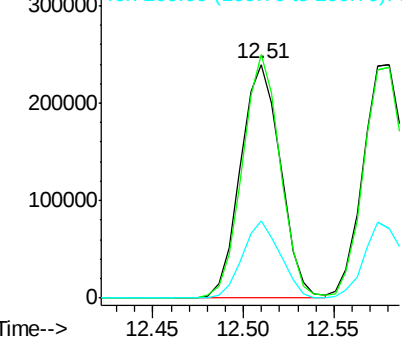


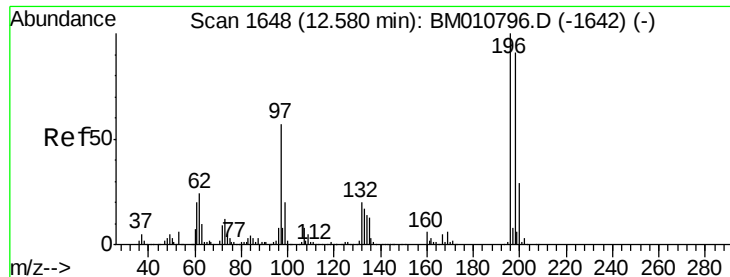
#42
 2,4,6-Trichlorophenol
 Concen: 19.201 ng
 RT: 12.51 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: BM010807.D
 Acq: 13 Jul 2017 11:53

Tgt Ion:196 Resp: 368969
 Ion Ratio Lower Upper
 196 100
 198 104.2 76.3 114.5
 200 33.3 25.6 38.4



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

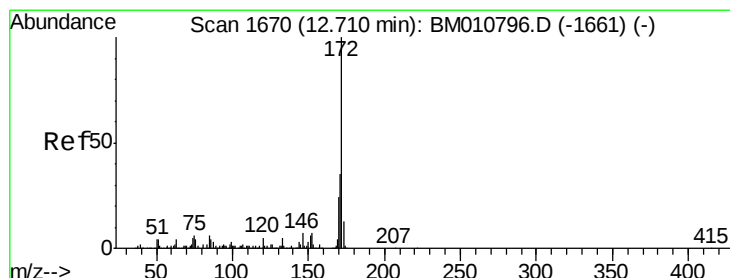
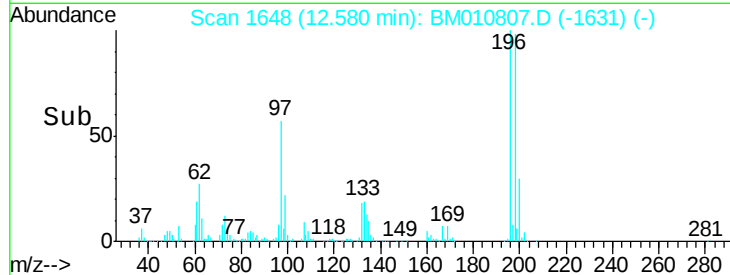
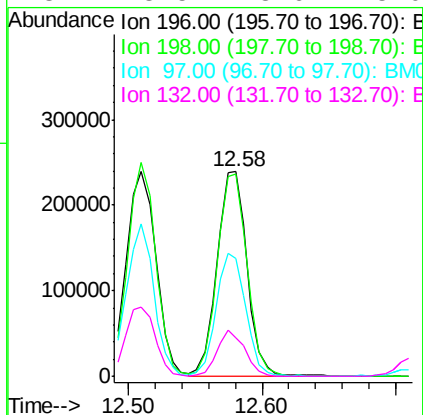
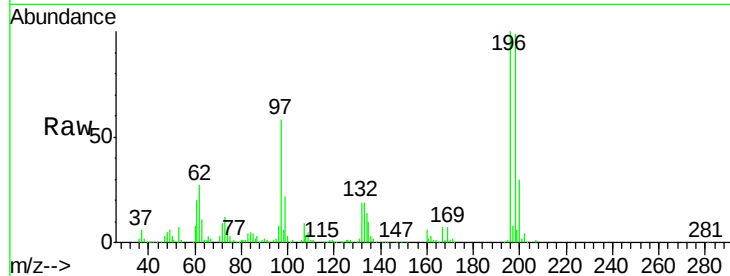




#43
 2,4,5-Trichlorophenol
 Concen: 19.912 ng
 RT: 12.58 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: BM010807.D
 Acq: 13 Jul 2017 11:53

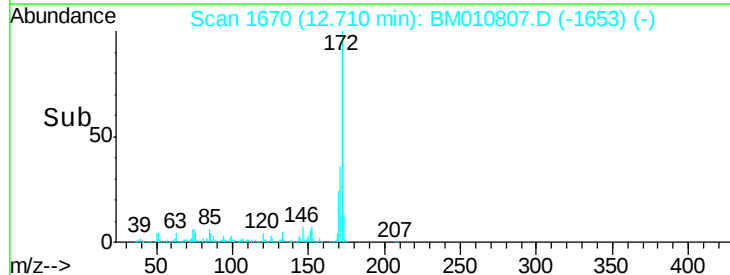
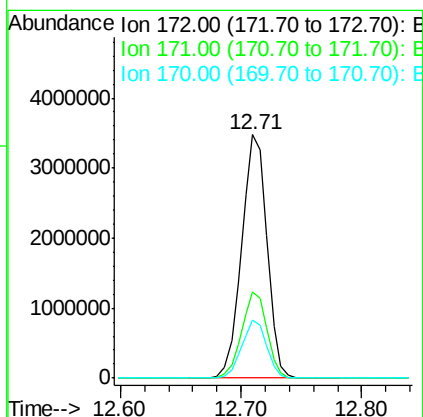
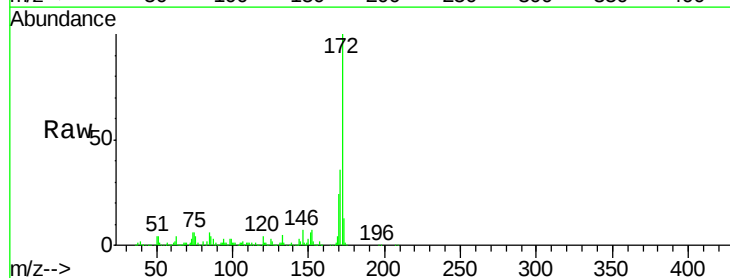
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

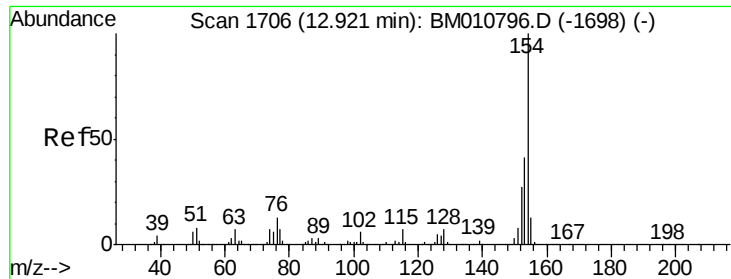
Tgt Ion:196 Resp: 377767
 Ion Ratio Lower Upper
 196 100
 198 98.8 79.4 119.0
 97 57.9 26.8 40.2#
 132 18.5 18.6 28.0#



#44
 2-Fluorobiphenyl
 Concen: 88.428 ng
 RT: 12.71 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: BM010807.D
 Acq: 13 Jul 2017 11:53

Tgt Ion:172 Resp: 5089013
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.5 42.7
 170 23.7 18.8 28.2

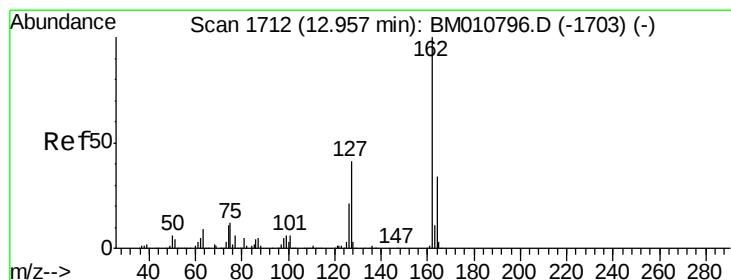
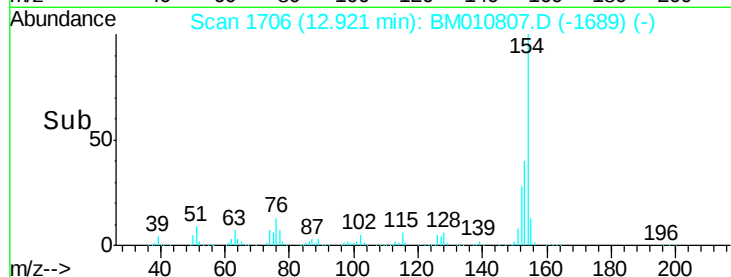
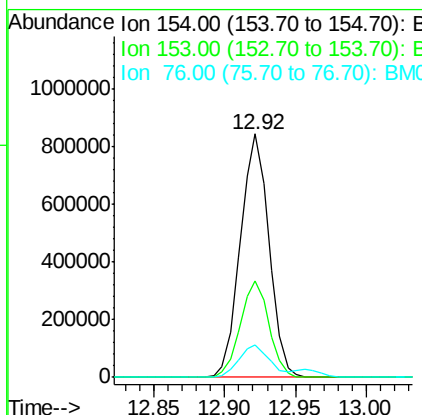
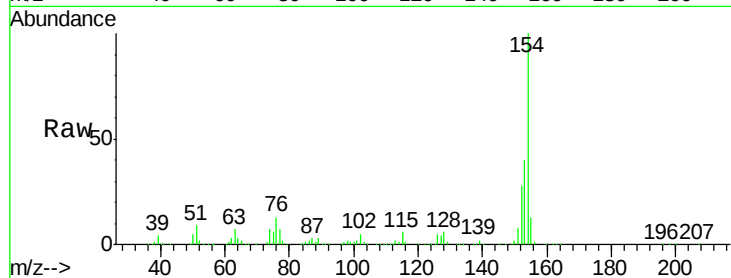




#45
 1,1'-Biphenyl
 Concen: 19.159 ng
 RT: 12.92 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: BM010807.D
 Acq: 13 Jul 2017 11:53

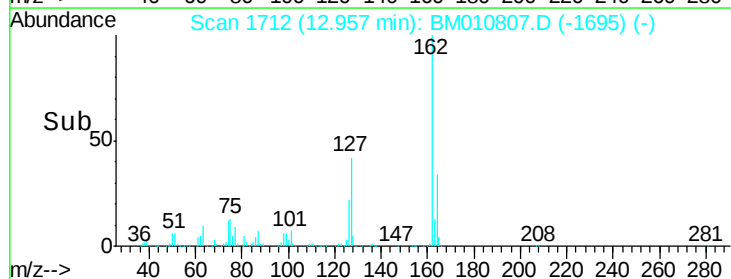
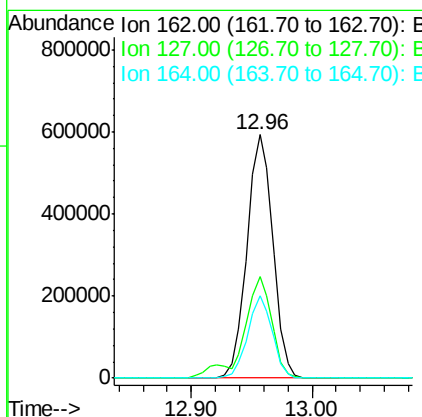
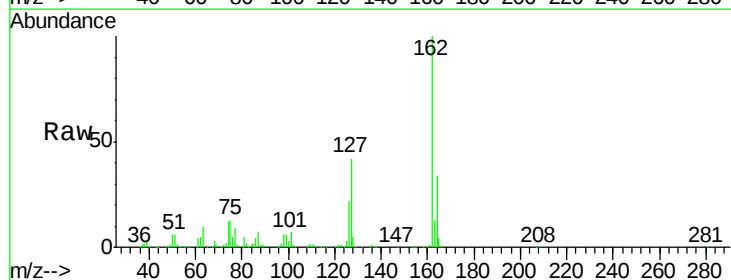
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

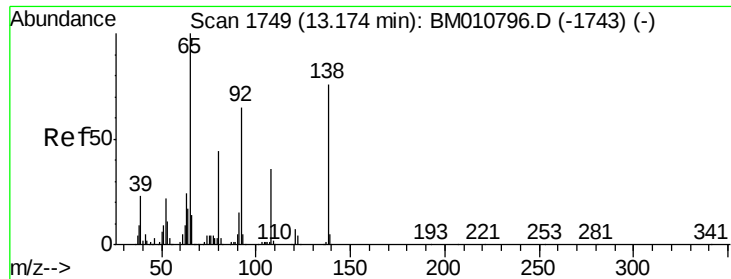
Tgt Ion:154 Resp: 1194963
 Ion Ratio Lower Upper
 154 100
 153 39.7 20.7 60.7
 76 13.1 0.0 30.9



#46
 2-Chloronaphthalene
 Concen: 19.405 ng
 RT: 12.96 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: BM010807.D
 Acq: 13 Jul 2017 11:53

Tgt Ion:162 Resp: 887451
 Ion Ratio Lower Upper
 162 100
 127 41.6 26.9 40.3#
 164 33.8 26.8 40.2





#47

2-Nitroaniline

Concen: 20.788 ng

RT: 13.17 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

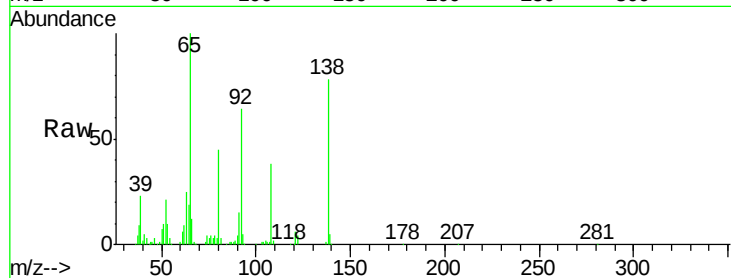
Tgt Ion: 65 Resp: 312522

Ion Ratio Lower Upper

65 100

92 63.9 59.1 88.7

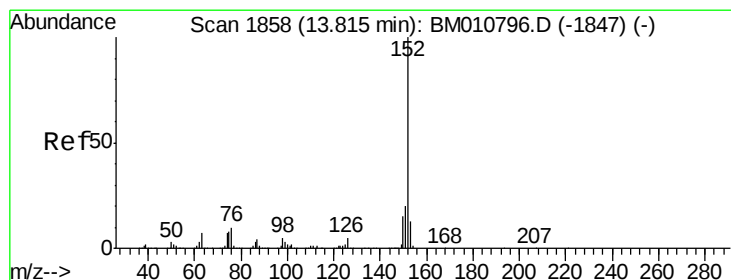
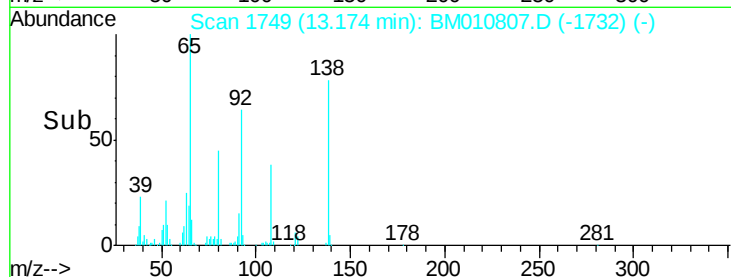
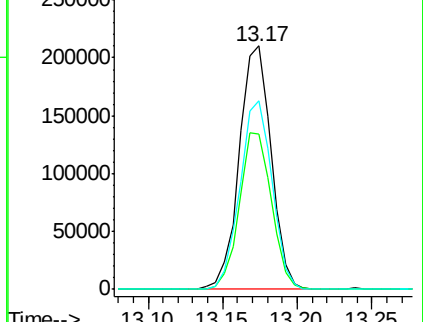
138 77.6 93.9 140.9#



Abundance Ion 65.00 (64.70 to 65.70): BM010807.D (-1732) (-)

Ion 92.00 (91.70 to 92.70): BM010807.D (-1732) (-)

Ion 138.00 (137.70 to 138.70): BM010807.D (-1732) (-)



#48

Acenaphthylene

Concen: 19.813 ng

RT: 13.82 min Scan# 1858

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

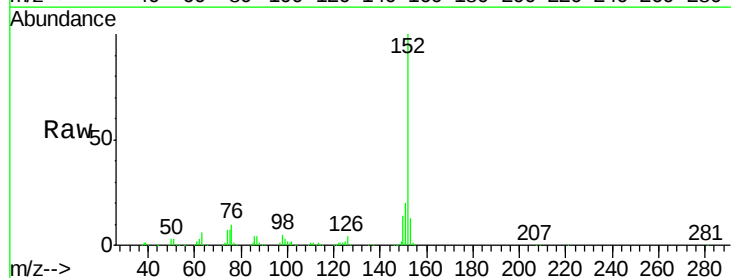
Tgt Ion: 152 Resp: 1347689

Ion Ratio Lower Upper

152 100

151 19.6 15.9 23.9

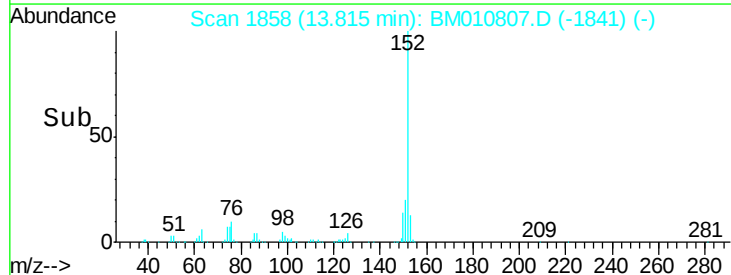
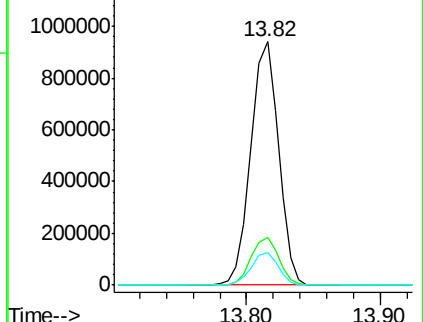
153 13.2 10.6 16.0

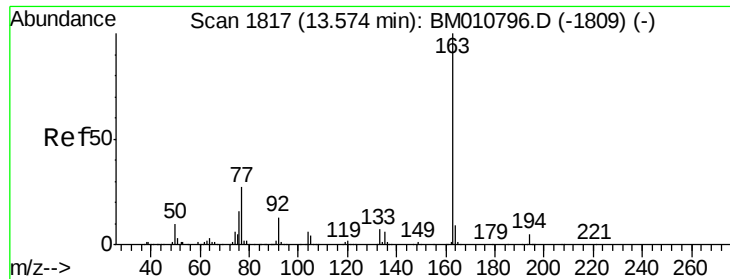


Abundance Ion 152.00 (151.70 to 152.70): BM010807.D (-1841) (-)

Ion 151.00 (150.70 to 151.70): BM010807.D (-1841) (-)

Ion 153.00 (152.70 to 153.70): BM010807.D (-1841) (-)





#49

Dimethylphthalate

Concen: 20.434 ng

RT: 13.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

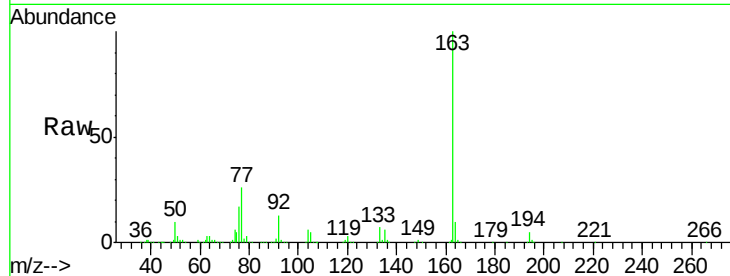
Tgt Ion:163 Resp: 1244543

Ion Ratio Lower Upper

163 100

194 4.6 2.7 4.1#

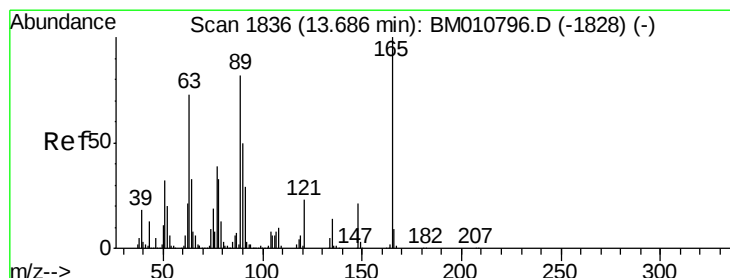
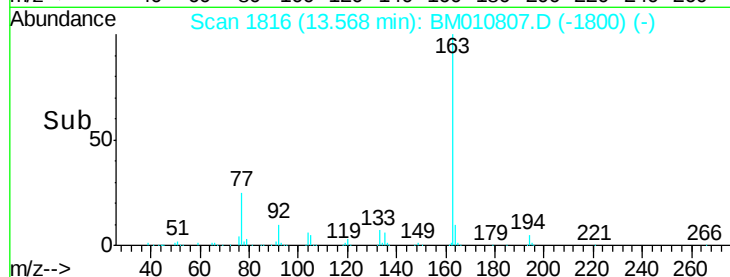
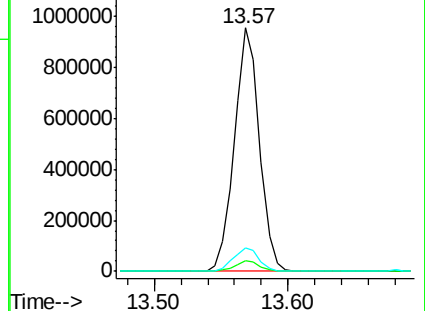
164 9.7 8.2 12.2



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: 21.368 ng

RT: 13.69 min Scan# 1836

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

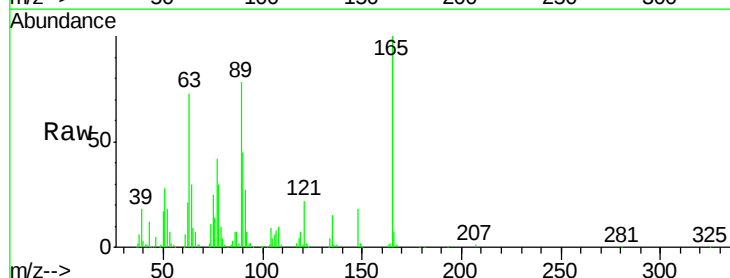
Tgt Ion:165 Resp: 255275

Ion Ratio Lower Upper

165 100

63 72.6 44.1 66.1#

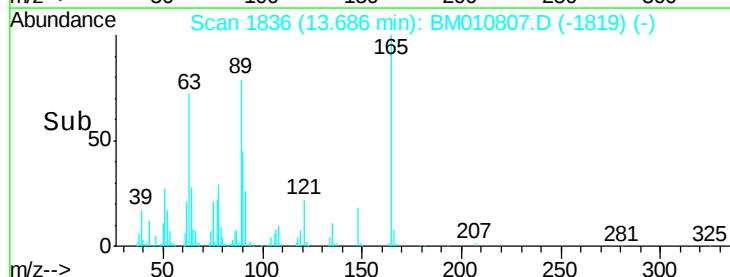
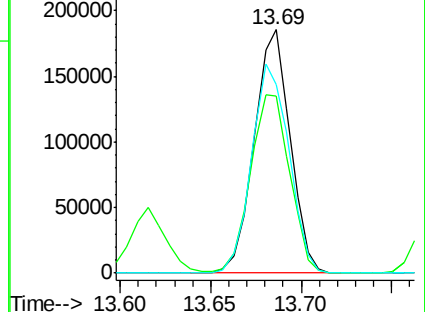
89 77.5 44.3 66.5#

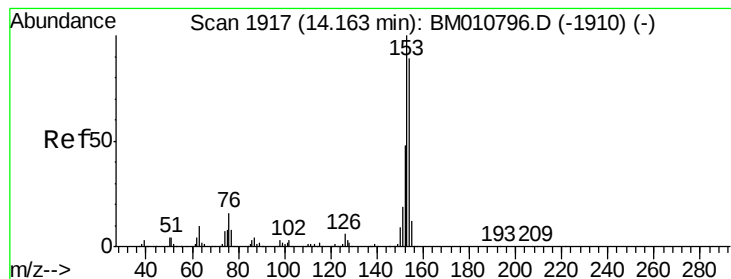


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0





#51

Acenaphthene

Concen: 19.868 ng

RT: 14.16 min Scan# 1917

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

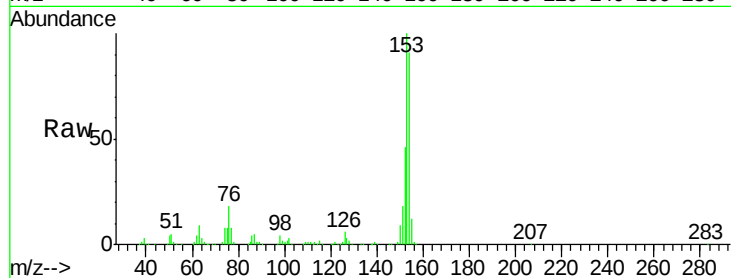
Tgt Ion:154 Resp: 825798

Ion Ratio Lower Upper

154 100

153 109.6 90.0 135.0

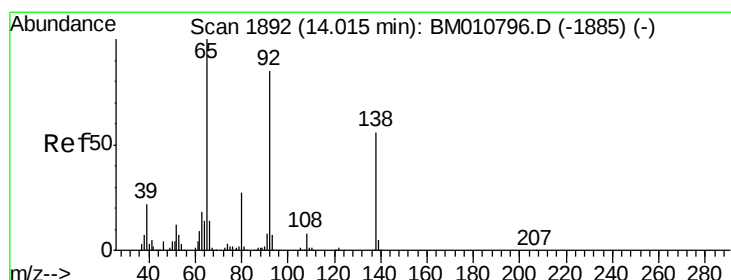
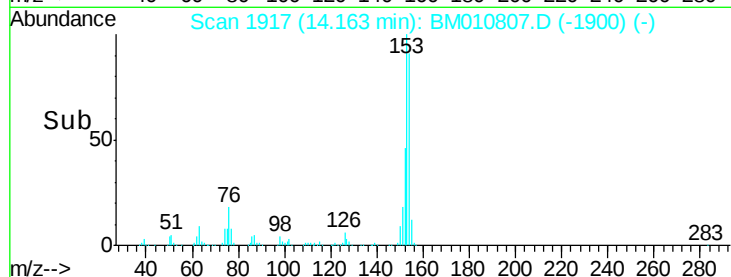
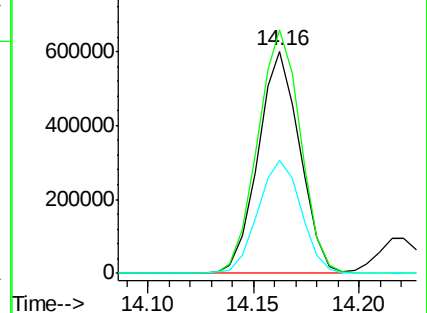
152 50.8 42.6 63.8



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: 20.844 ng

RT: 14.01 min Scan# 1891

Delta R.T. -0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

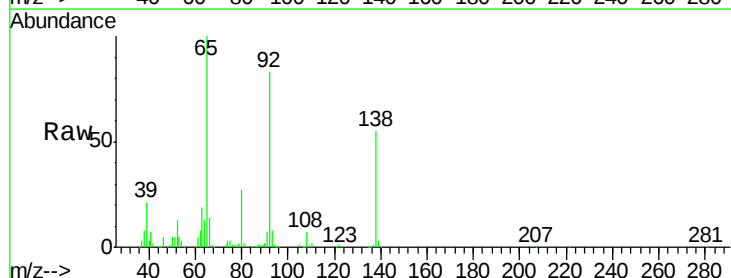
Tgt Ion:138 Resp: 226371

Ion Ratio Lower Upper

138 100

108 13.5 7.3 10.9#

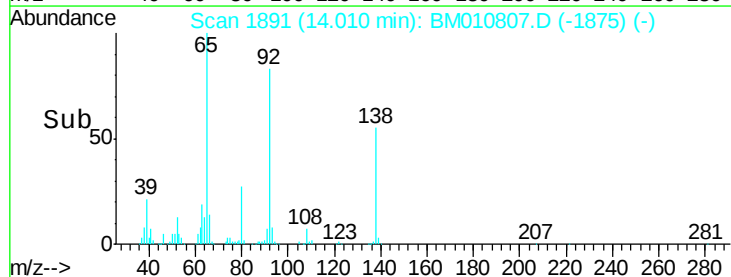
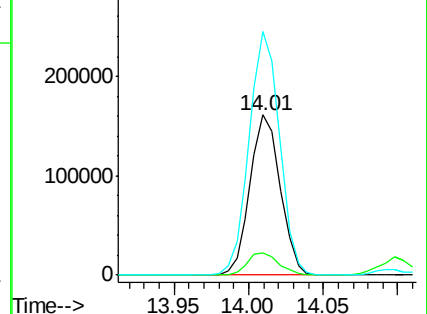
92 152.1 76.6 114.8#

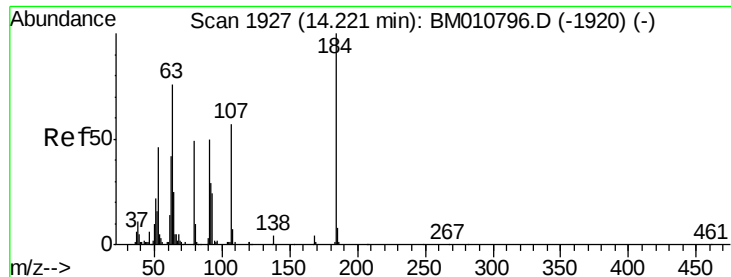


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM

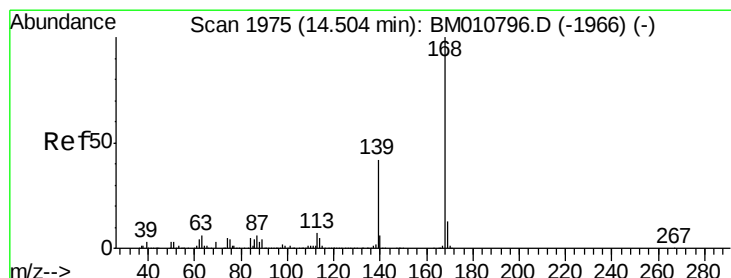
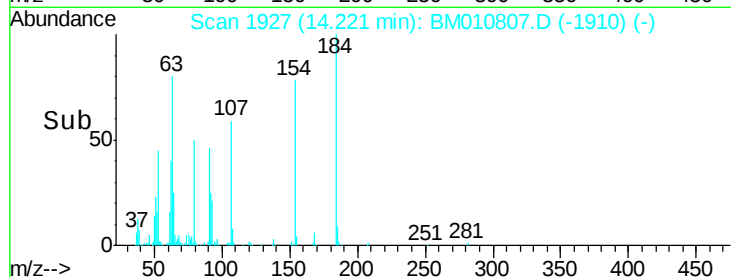
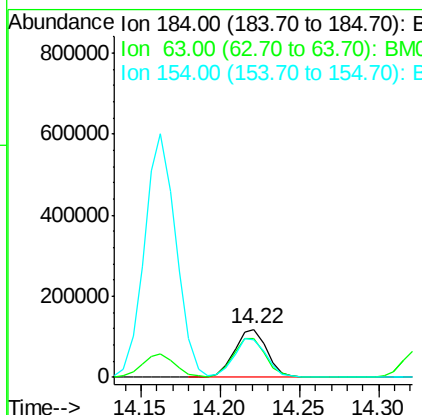
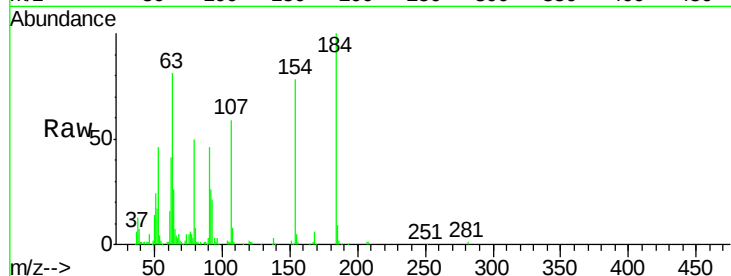




#53
2,4-Dinitrophenol
Concen: 20.371 ng
RT: 14.22 min Scan# 1927
Delta R.T. 0.00 min
Lab File: BM010807.D
Acq: 13 Jul 2017 11:53

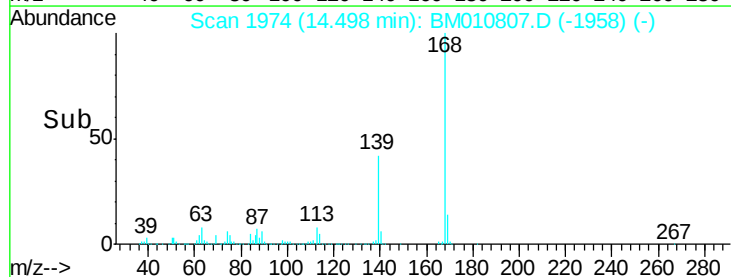
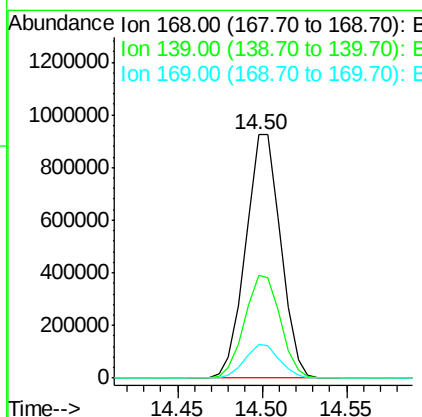
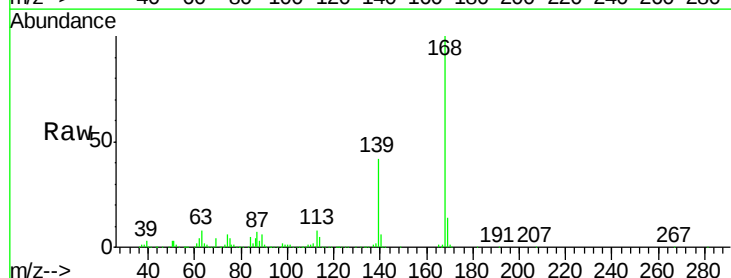
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2017

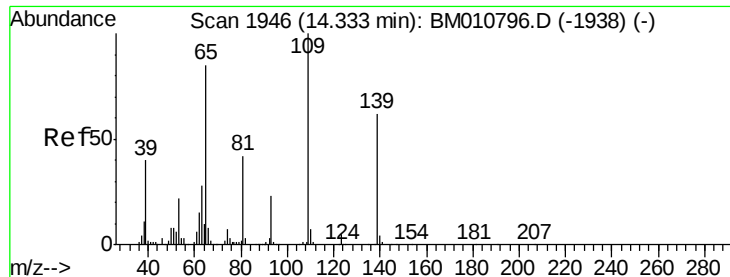
Tgt Ion:184 Resp: 168237
Ion Ratio Lower Upper
184 100
63 80.7 69.2 103.8
154 78.1 53.3 79.9



#54
Dibenzofuran
Concen: 19.901 ng
RT: 14.50 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BM010807.D
Acq: 13 Jul 2017 11:53

Tgt Ion:168 Resp: 1337997
Ion Ratio Lower Upper
168 100
139 42.1 27.3 40.9#
169 13.7 10.6 16.0

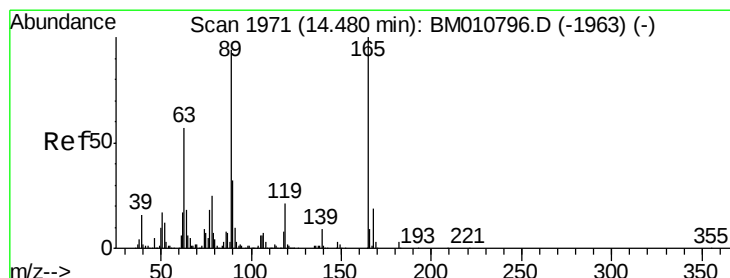
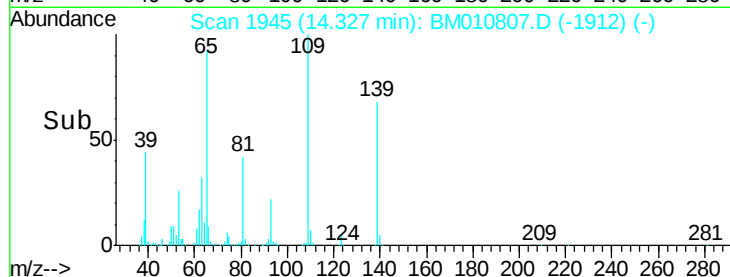
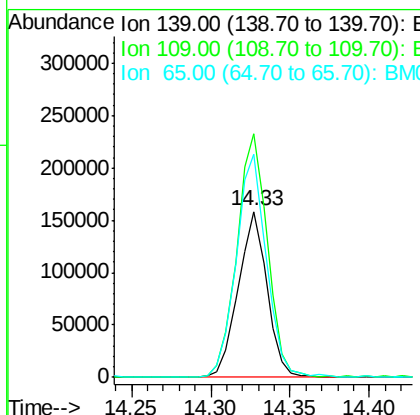
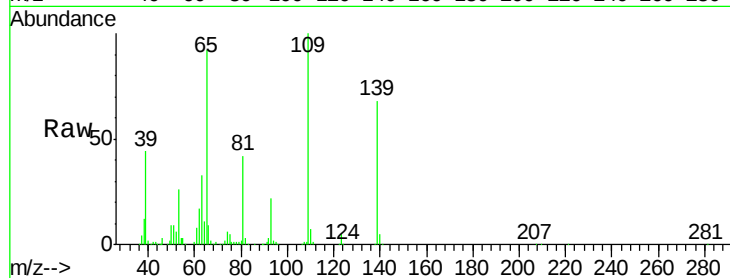




#55
4-Nitrophenol
Concen: 21.119 ng
RT: 14.33 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BM010807.D
Acq: 13 Jul 2017 11:53

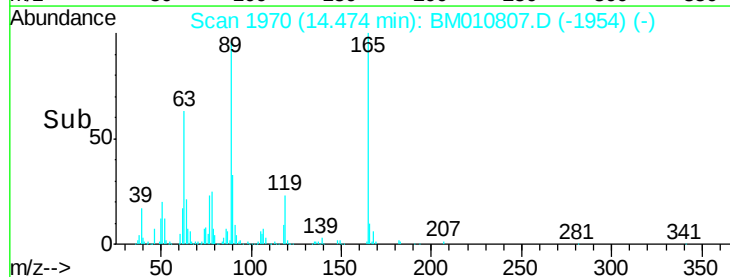
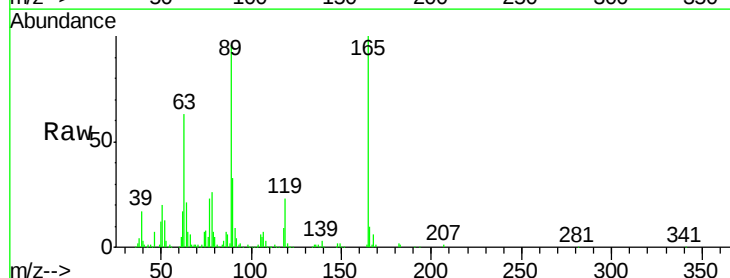
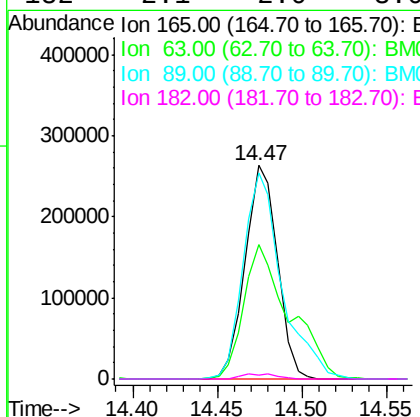
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2017

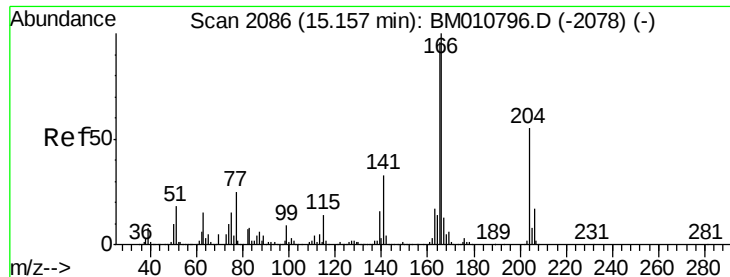
Tgt Ion:139 Resp: 199198
Ion Ratio Lower Upper
139 100
109 147.0 37.7 77.7#
65 135.0 49.9 89.9#



#56
2,4-Dinitrotoluene
Concen: 21.155 ng
RT: 14.47 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BM010807.D
Acq: 13 Jul 2017 11:53

Tgt Ion:165 Resp: 350690
Ion Ratio Lower Upper
165 100
63 63.2 52.4 78.6
89 96.4 72.4 108.6
182 2.1 2.0 3.0





#57

Fluorene

Concen: 20.083 ng

RT: 15.16 min Scan# 2086

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

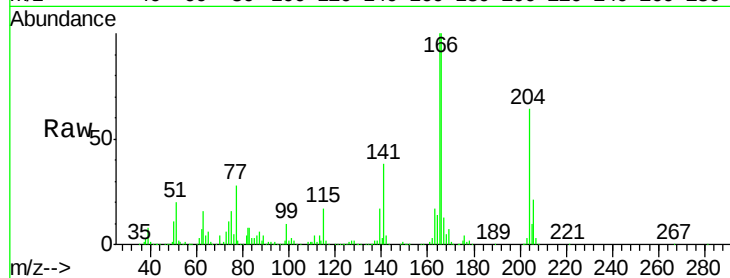
Tgt Ion:166 Resp: 1160707

Ion Ratio Lower Upper

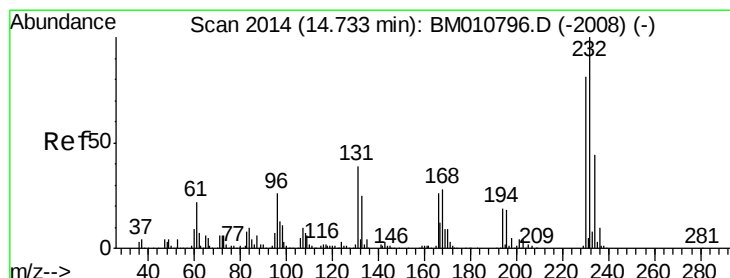
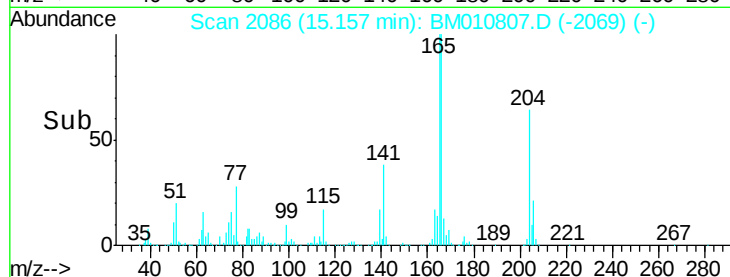
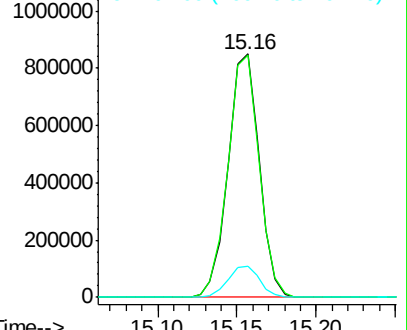
166 100

165 99.7 79.0 118.4

167 12.8 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: 20.385 ng

RT: 14.73 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Tgt Ion:232 Resp: 359335

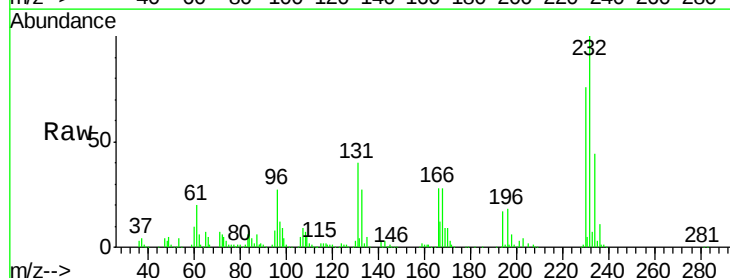
Ion Ratio Lower Upper

232 100

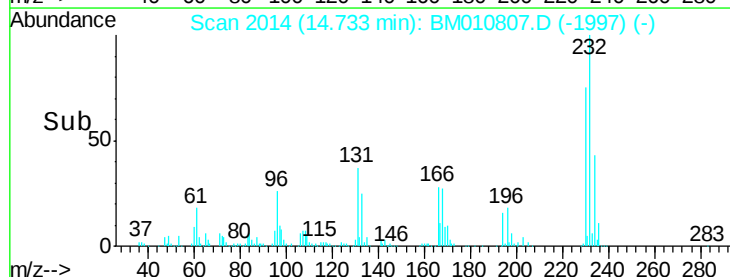
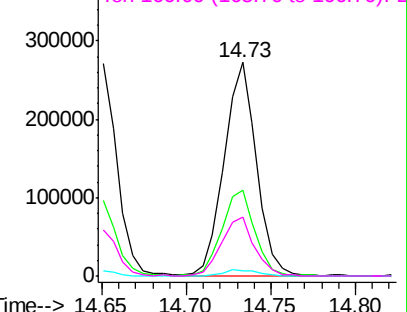
131 41.3 0.0 0.0#

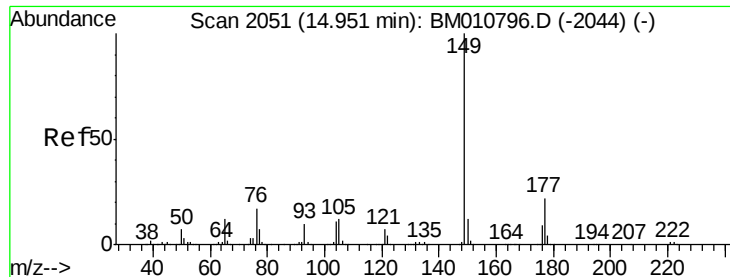
130 3.0 0.0 0.0#

166 28.6 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

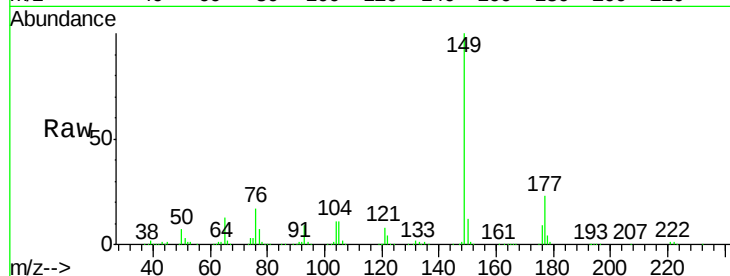




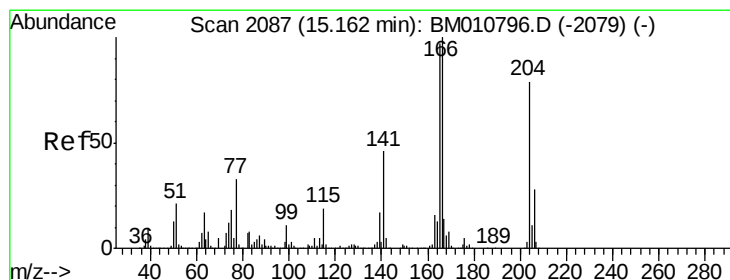
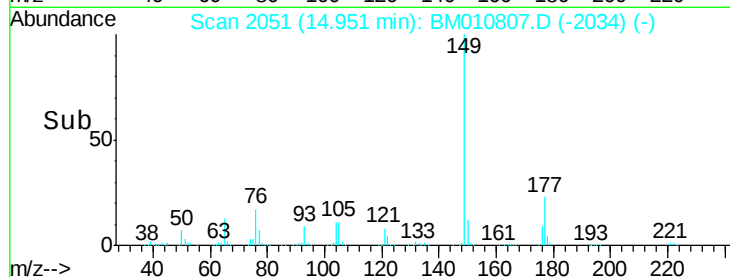
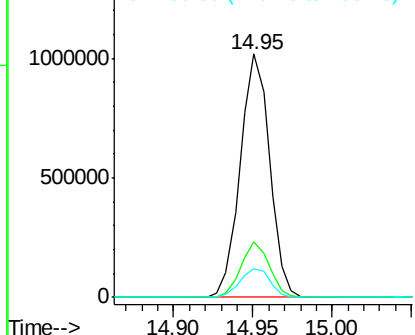
#59
Diethylphthalate
Concen: 21.763 ng
RT: 14.95 min Scan# 2051
Delta R.T. 0.00 min
Lab File: BM010807.D
Acq: 13 Jul 2017 11:53

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2017

Tgt Ion:149 Resp: 1309051
Ion Ratio Lower Upper
149 100
177 22.9 18.3 27.5
150 12.0 9.8 14.8

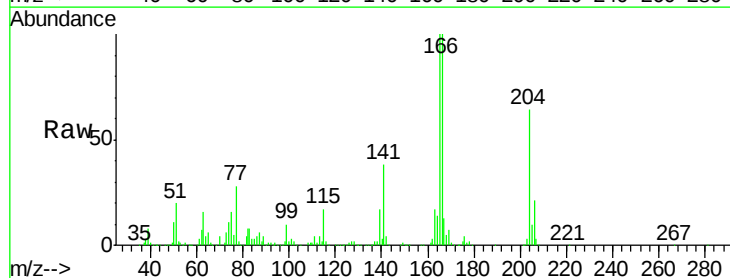


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

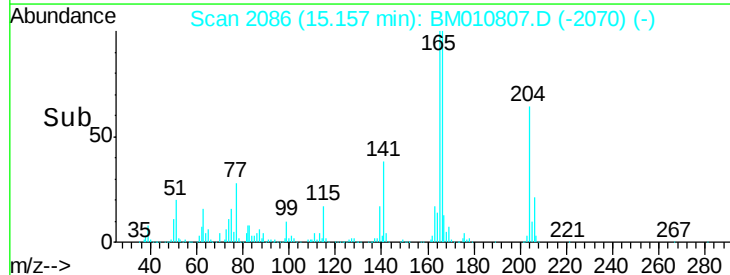
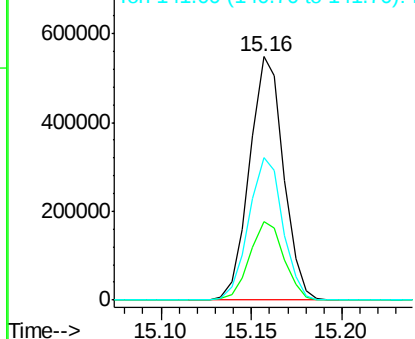


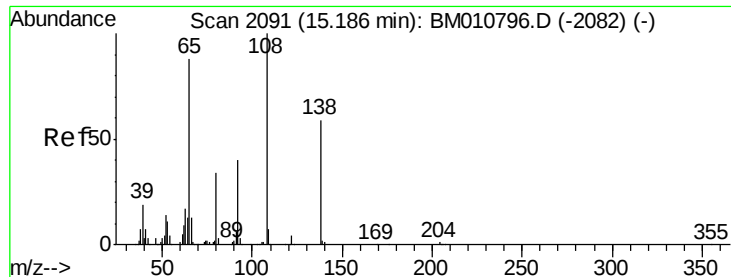
#60
4-Chlorophenyl-phenylether
Concen: 20.106 ng
RT: 15.16 min Scan# 2086
Delta R.T. -0.01 min
Lab File: BM010807.D
Acq: 13 Jul 2017 11:53

Tgt Ion:204 Resp: 713811
Ion Ratio Lower Upper
204 100
206 32.3 26.6 39.8
141 58.7 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

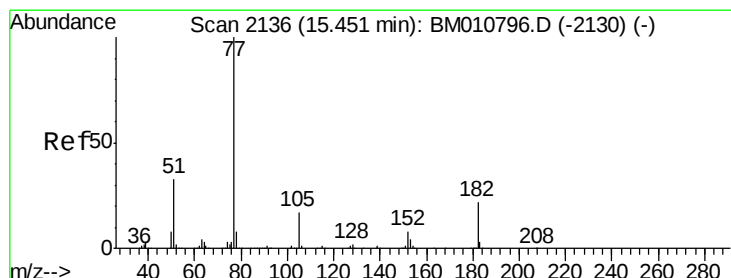
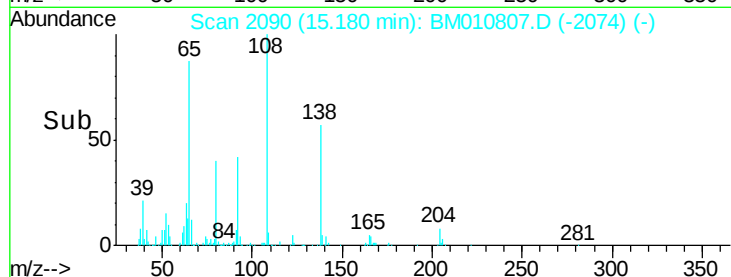
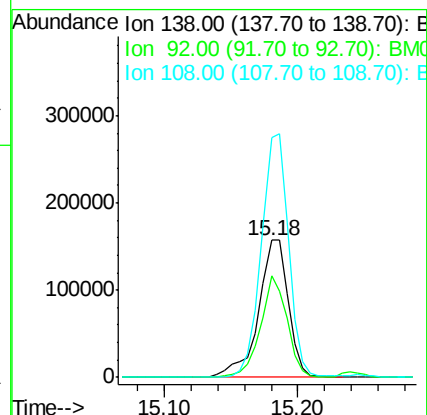
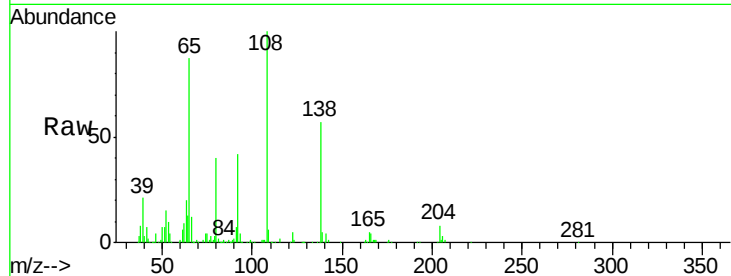




#61
4-Nitroaniline
Concen: 21.404 ng
RT: 15.18 min Scan# 2090
Delta R.T. -0.01 min
Lab File: BM010807.D
Acq: 13 Jul 2017 11:53

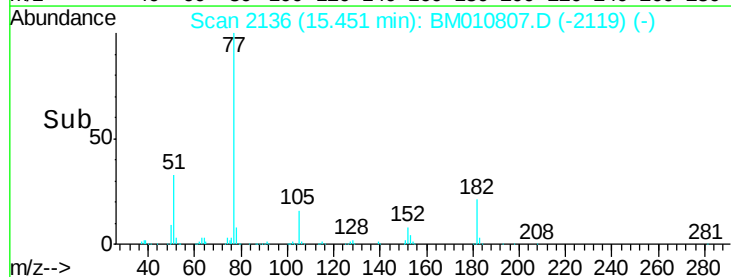
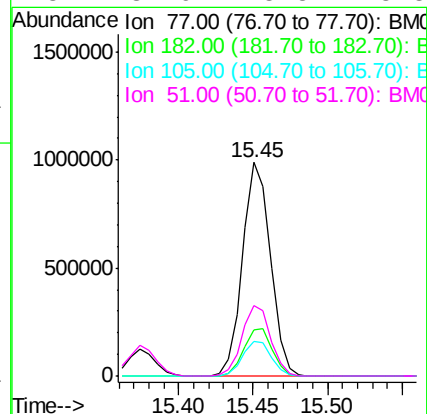
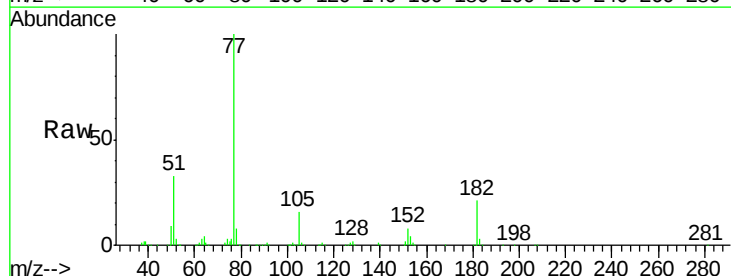
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2017

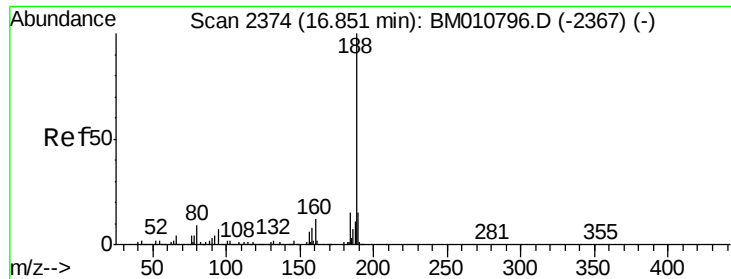
Tgt Ion: 138 Resp: 242964
Ion Ratio Lower Upper
138 100
92 73.7 16.7 56.7#
108 175.3 37.6 77.6#



#62
Azobenzene
Concen: 21.054 ng
RT: 15.45 min Scan# 2136
Delta R.T. 0.00 min
Lab File: BM010807.D
Acq: 13 Jul 2017 11:53

Tgt Ion: 77 Resp: 1285991
Ion Ratio Lower Upper
77 100
182 21.4 6.5 46.5
105 16.4 3.8 43.8
51 32.9 5.5 45.5

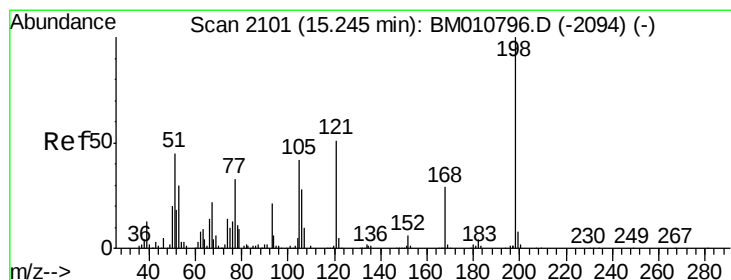
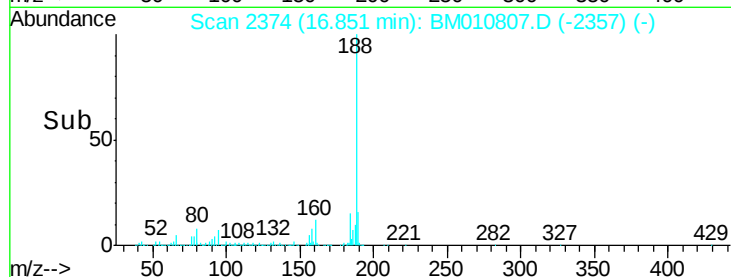
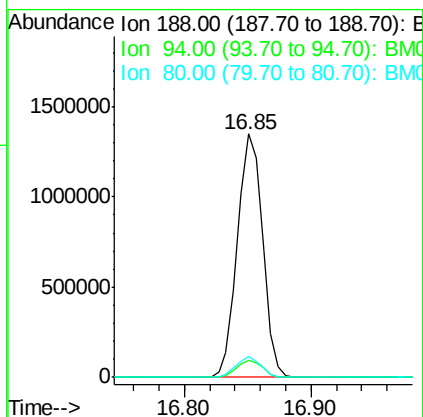
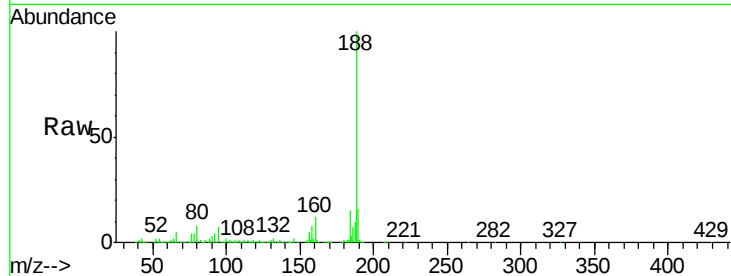




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.85 min Scan# 2374
Delta R.T. 0.00 min
Lab File: BM010807.D
Acq: 13 Jul 2017 11:53

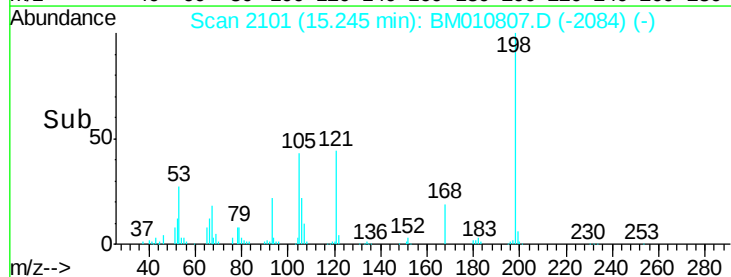
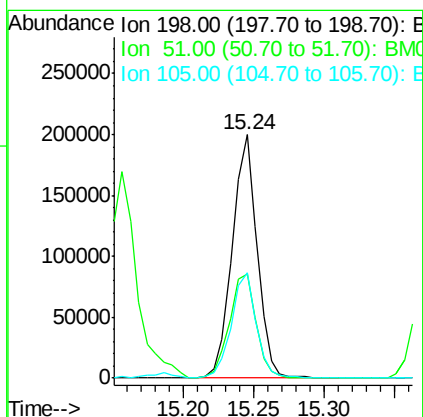
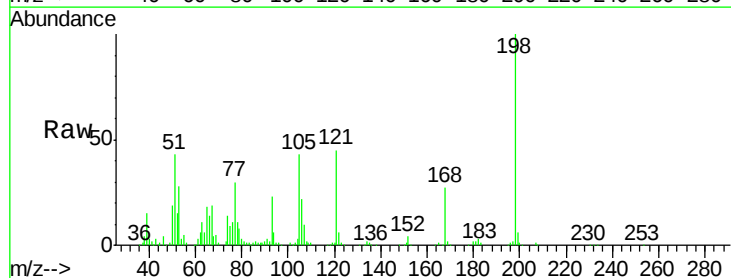
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2017

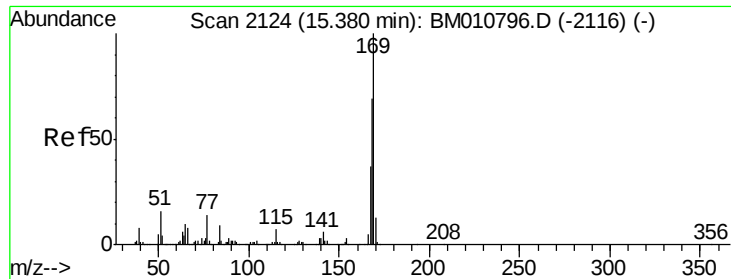
Tgt Ion:188 Resp: 1856664
Ion Ratio Lower Upper
188 100
94 7.1 8.7 13.1#
80 8.4 9.3 13.9#



#64
4,6-Dinitro-2-methylphenol
Concen: 20.023 ng
RT: 15.24 min Scan# 2101
Delta R.T. 0.00 min
Lab File: BM010807.D
Acq: 13 Jul 2017 11:53

Tgt Ion:198 Resp: 245137
Ion Ratio Lower Upper
198 100
51 42.7 28.8 68.8
105 43.5 30.5 70.5

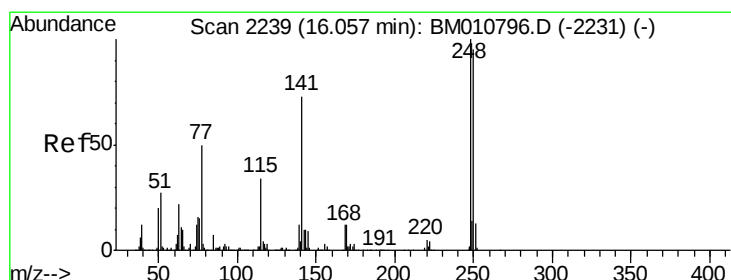
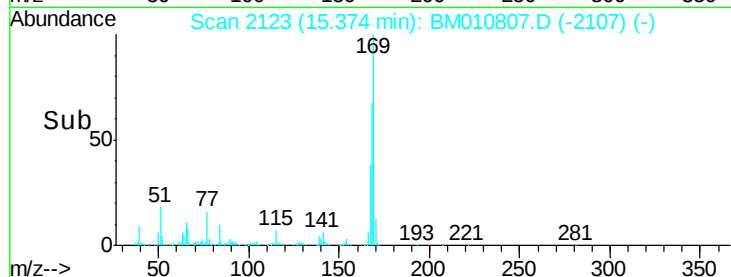
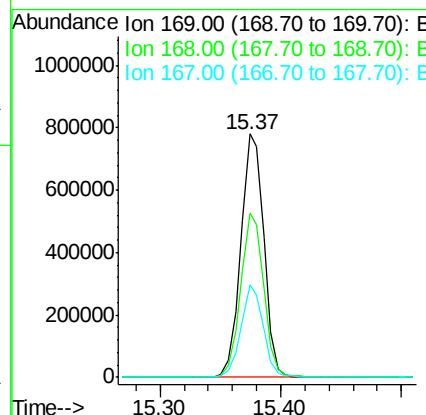
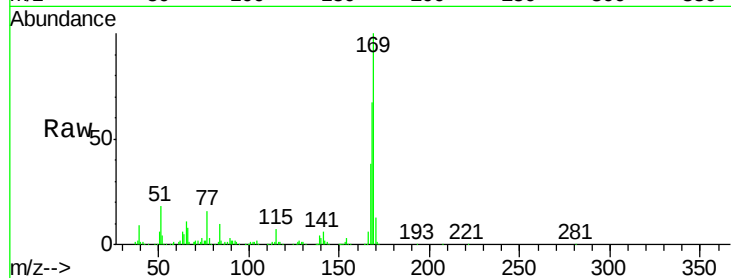




#65
 n-Nitrosodiphenylamine
 Concen: 19.487 ng
 RT: 15.37 min Scan# 2123
 Delta R.T. -0.01 min
 Lab File: BM010807.D
 Acq: 13 Jul 2017 11:53

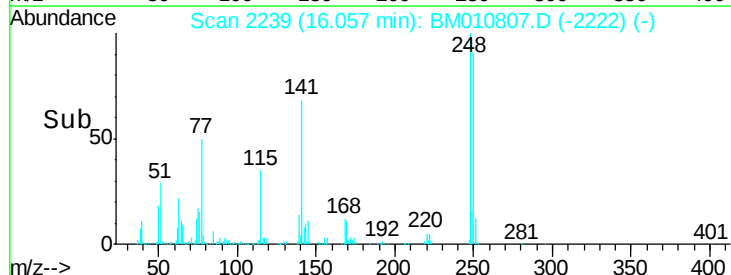
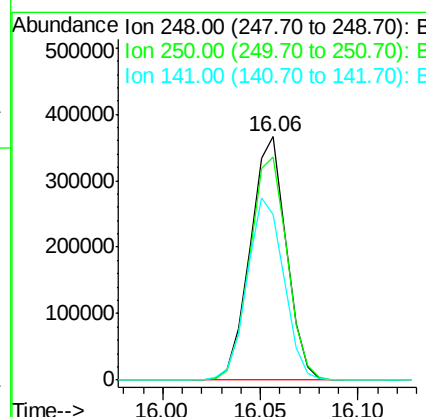
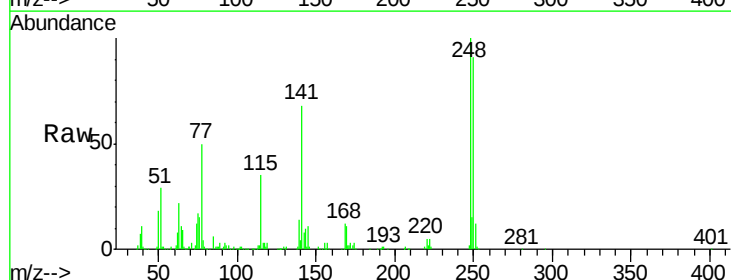
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

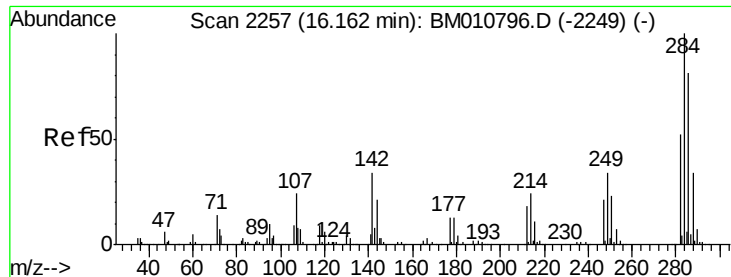
Tgt Ion:169 Resp: 1035269
 Ion Ratio Lower Upper
 169 100
 168 67.4 53.9 80.9
 167 37.9 28.9 43.3



#66
 4-Bromophenyl-phenylether
 Concen: 19.939 ng
 RT: 16.06 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: BM010807.D
 Acq: 13 Jul 2017 11:53

Tgt Ion:248 Resp: 469156
 Ion Ratio Lower Upper
 248 100
 250 91.4 77.4 116.0
 141 68.0 45.2 67.8#

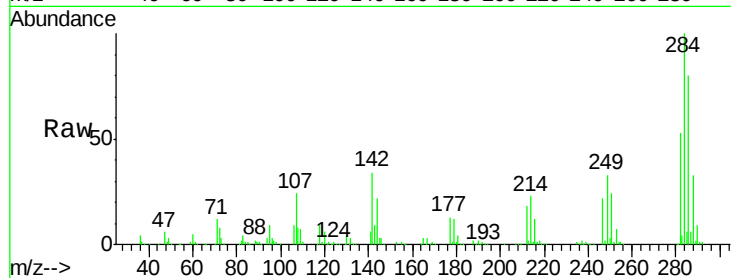




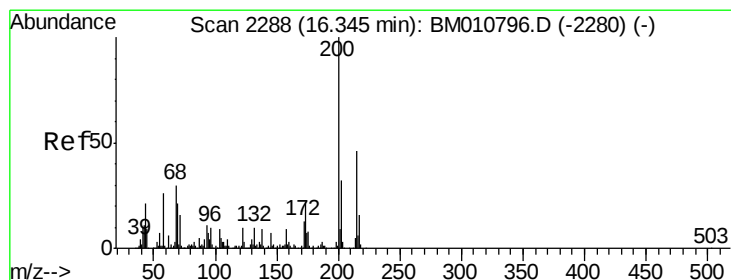
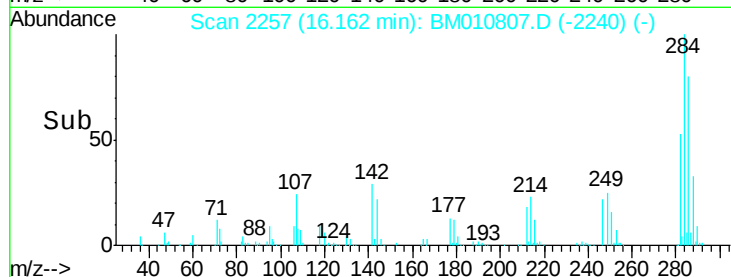
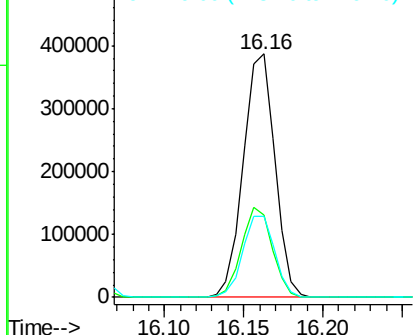
#67
Hexachlorobenzene
Concen: 19.965 ng
RT: 16.16 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BM010807.D
Acq: 13 Jul 2017 11:53

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2017

Tgt Ion:284 Resp: 537188
Ion Ratio Lower Upper
284 100
142 33.8 20.4 30.6#
249 33.1 23.8 35.6

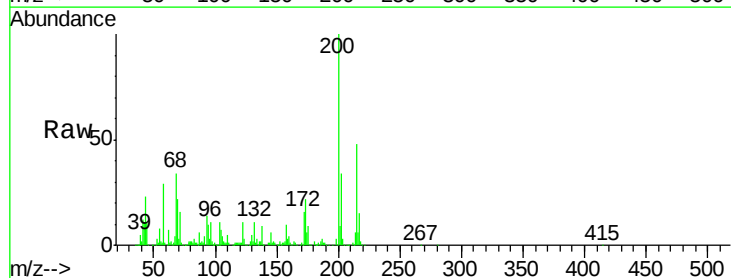


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

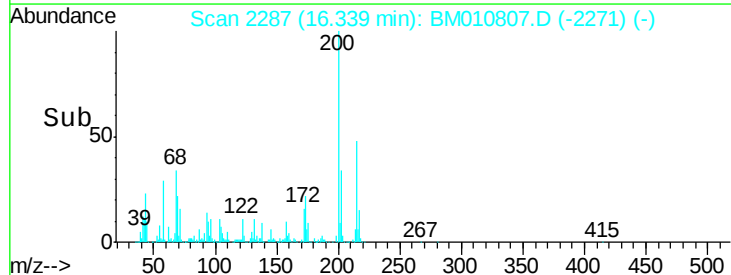
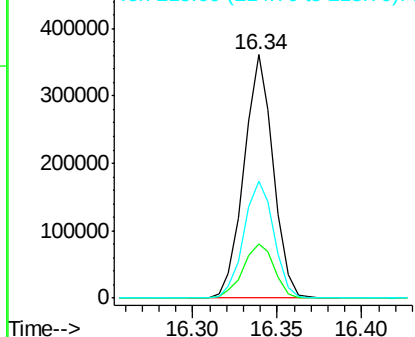


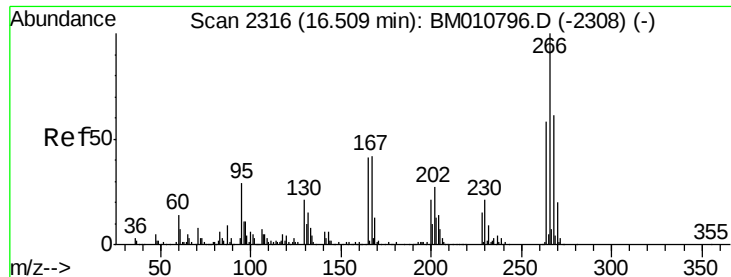
#68
Atrazine
Concen: 19.785 ng
RT: 16.34 min Scan# 2287
Delta R.T. -0.01 min
Lab File: BM010807.D
Acq: 13 Jul 2017 11:53

Tgt Ion:200 Resp: 435292
Ion Ratio Lower Upper
200 100
173 22.2 4.8 44.8
215 47.9 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: 20.106 ng

RT: 16.50 min Scan# 2315

Delta R.T. -0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

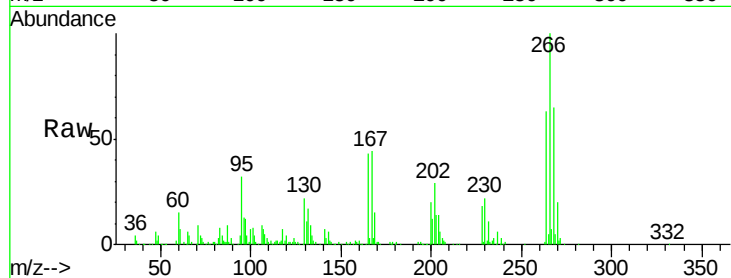
Tgt Ion:266 Resp: 346792

Ion Ratio Lower Upper

266 100

268 64.8 52.0 78.0

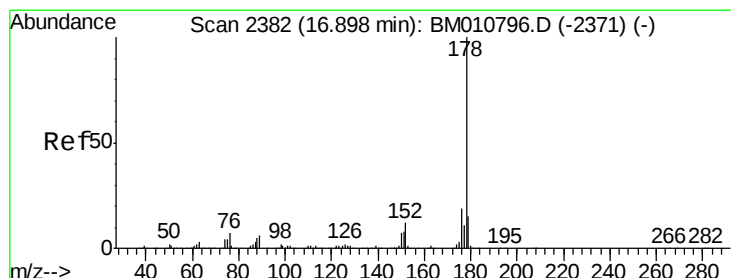
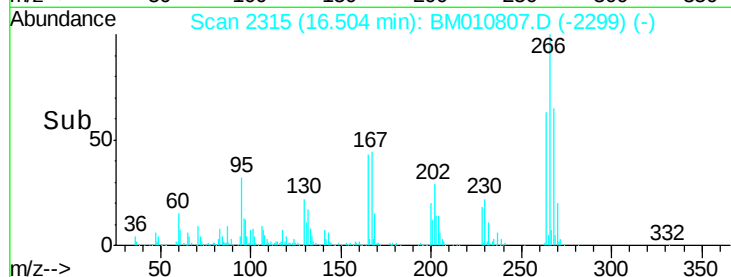
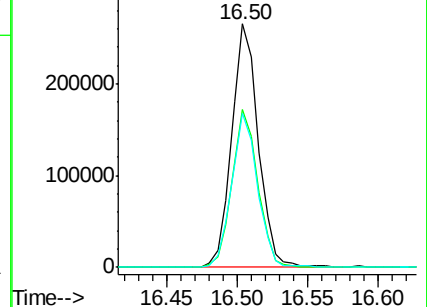
264 63.4 49.0 73.4



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 19.972 ng

RT: 16.89 min Scan# 2381

Delta R.T. -0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

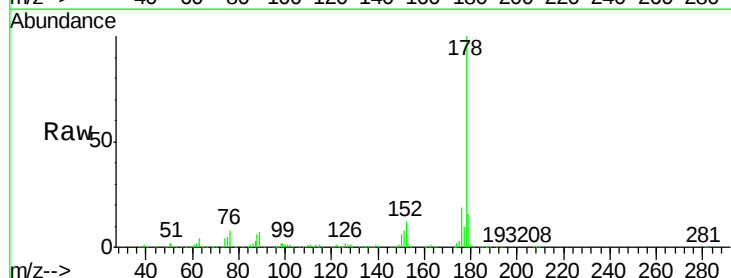
Tgt Ion:178 Resp: 1929028

Ion Ratio Lower Upper

178 100

176 19.1 15.2 22.8

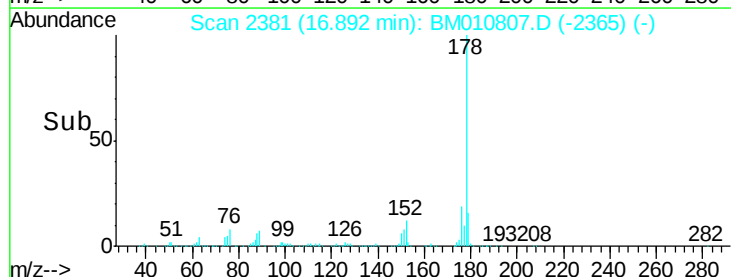
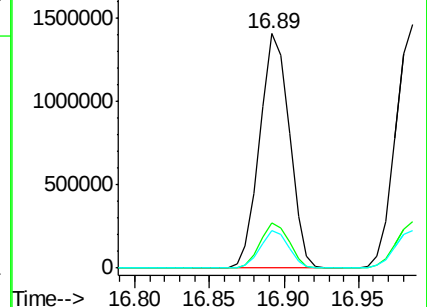
179 16.2 12.1 18.1

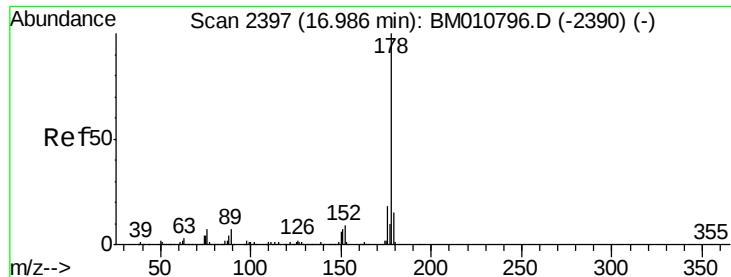


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

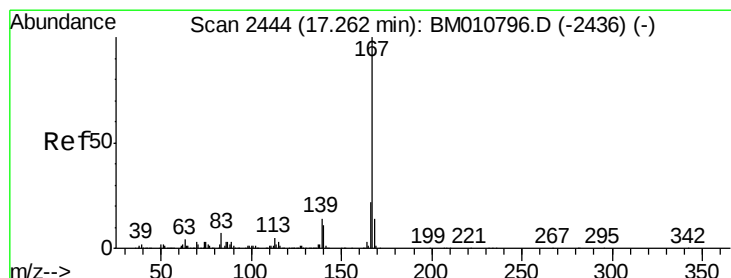
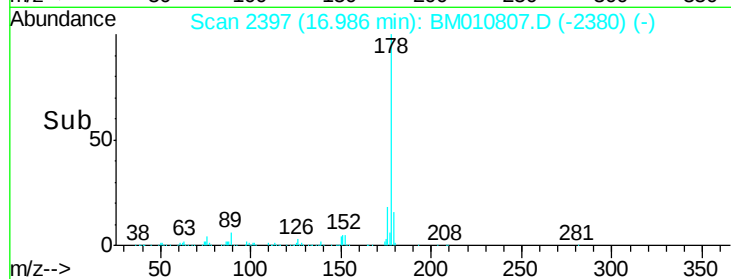
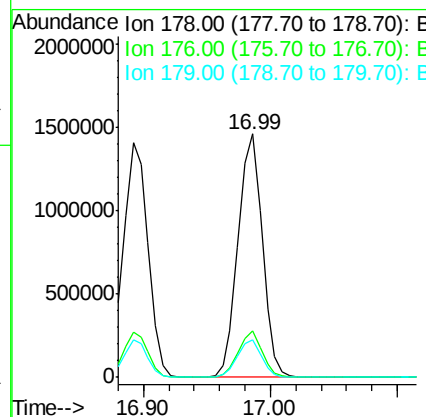
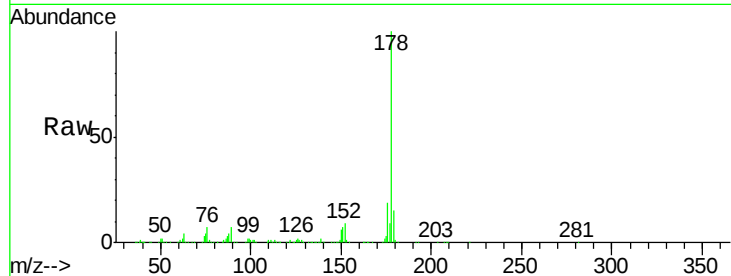




#71
 Anthracene
 Concen: 20.193 ng
 RT: 16.99 min Scan# 2397
 Delta R.T. 0.00 min
 Lab File: BM010807.D
 Acq: 13 Jul 2017 11:53

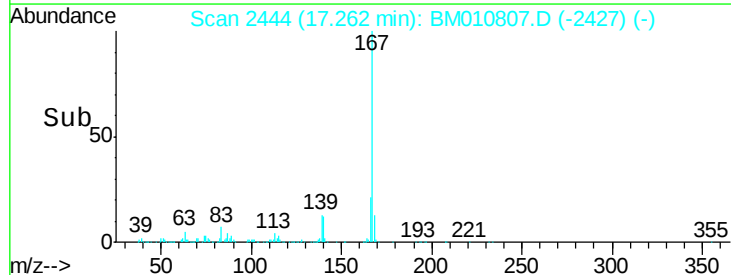
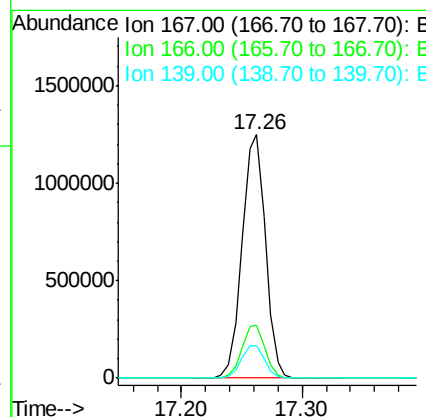
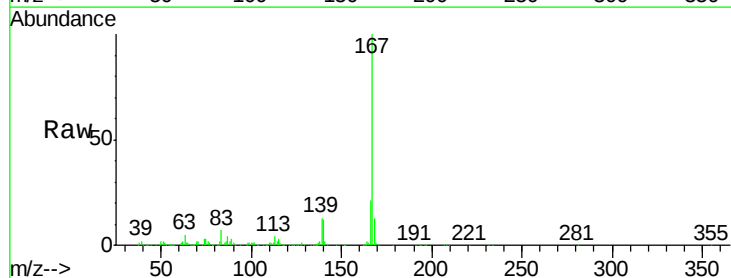
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

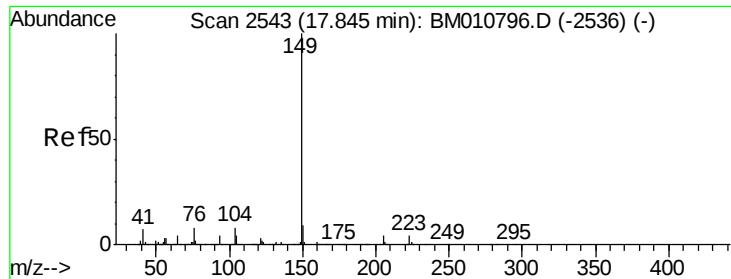
Tgt Ion:178 Resp: 1936101
 Ion Ratio Lower Upper
 178 100
 176 19.1 14.6 22.0
 179 15.4 12.6 19.0



#72
 Carbazole
 Concen: 20.008 ng
 RT: 17.26 min Scan# 2444
 Delta R.T. 0.00 min
 Lab File: BM010807.D
 Acq: 13 Jul 2017 11:53

Tgt Ion:167 Resp: 1689523
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.2 25.8
 139 13.1 10.8 16.2





#73

Di-n-butylphthalate

Concen: 20.920 ng

RT: 17.84 min Scan# 2543

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

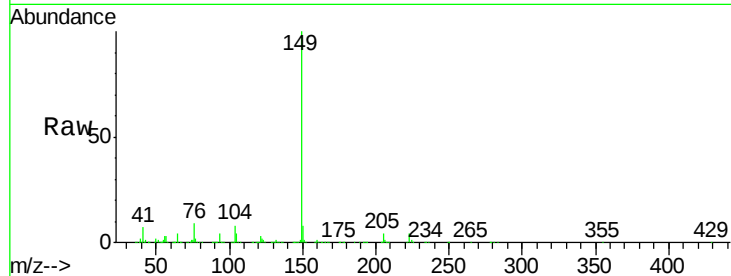
Tgt Ion:149 Resp: 2089912

Ion Ratio Lower Upper

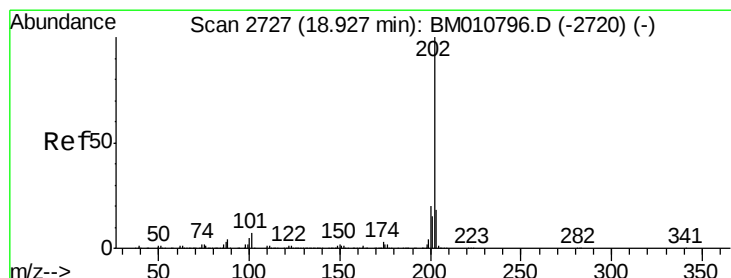
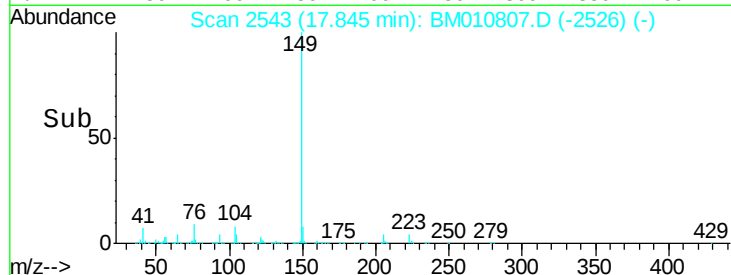
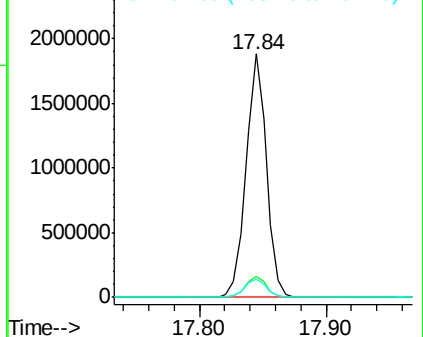
149 100

150 8.4 7.5 11.3

104 7.7 3.7 5.5#



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



#74

Fluoranthene

Concen: 20.112 ng

RT: 18.92 min Scan# 2726

Delta R.T. -0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

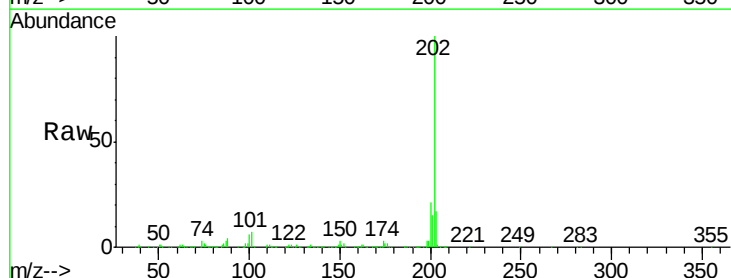
Tgt Ion:202 Resp: 2405875

Ion Ratio Lower Upper

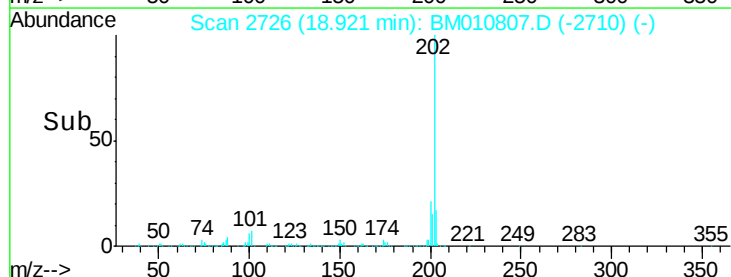
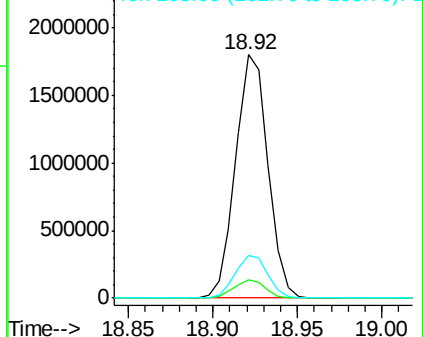
202 100

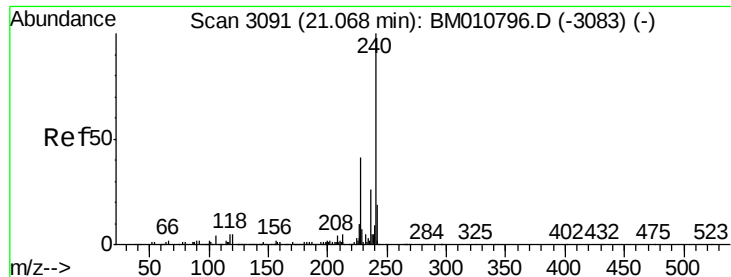
101 7.5 0.0 28.7

203 17.4 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.07 min Scan# 3091

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

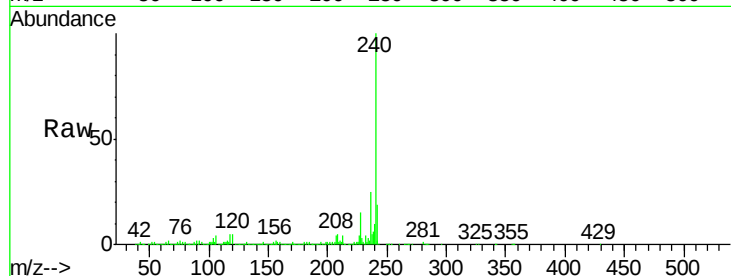
Tgt Ion:240 Resp: 2035881

Ion Ratio Lower Upper

240 100

120 5.2 8.2 12.2#

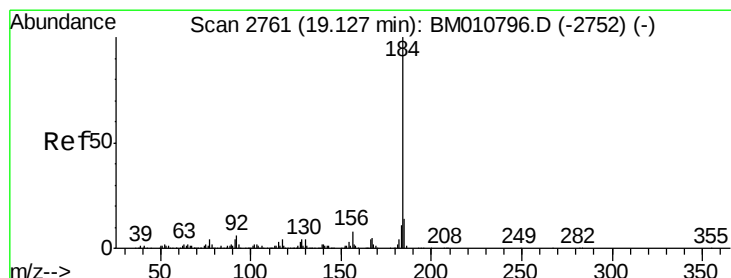
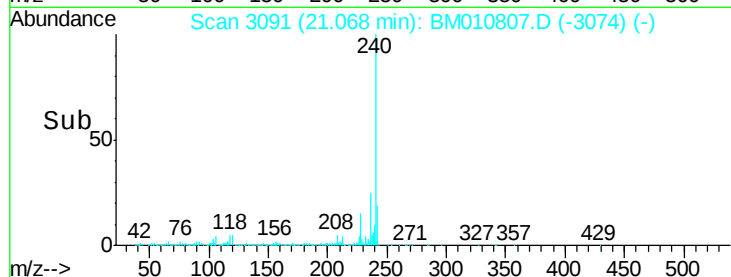
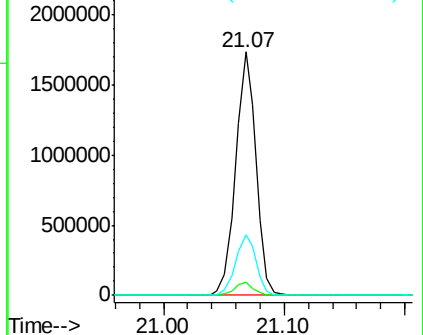
236 24.7 20.0 30.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 16.290 ng

RT: 19.12 min Scan# 2760

Delta R.T. -0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

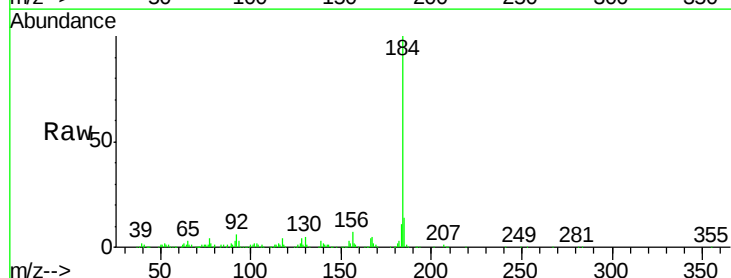
Tgt Ion:184 Resp: 887491

Ion Ratio Lower Upper

184 100

185 14.0 11.3 16.9

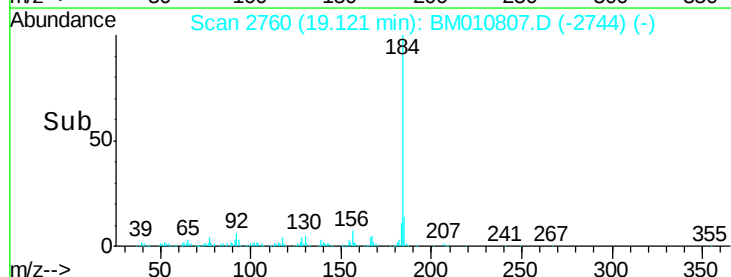
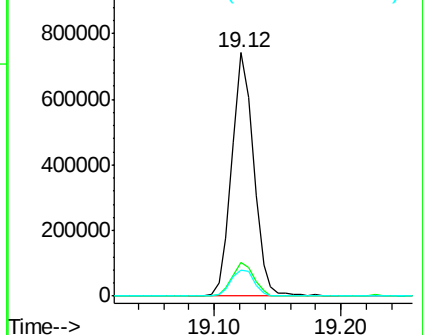
183 10.7 8.9 13.3

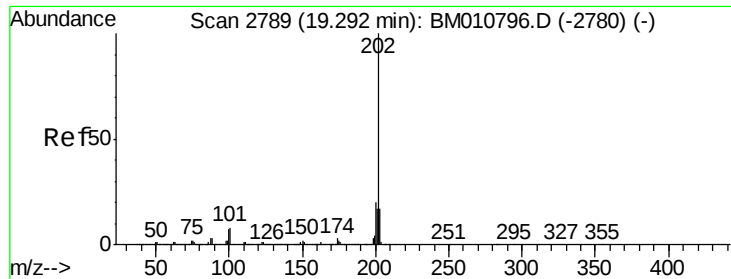


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 20.681 ng

RT: 19.29 min Scan# 2788

Delta R.T. -0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

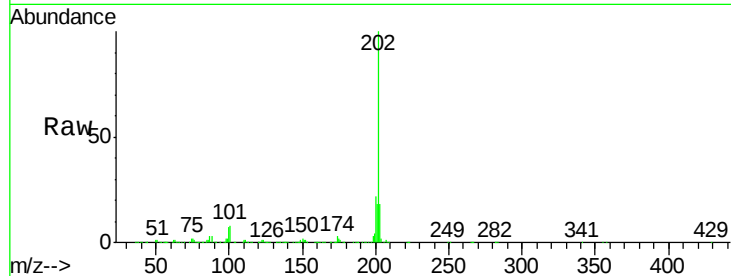
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

Tgt Ion:202 Resp: 2440863

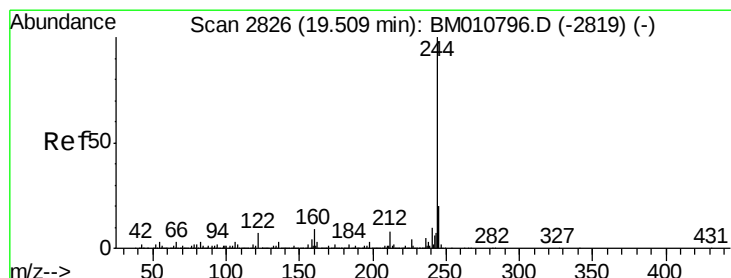
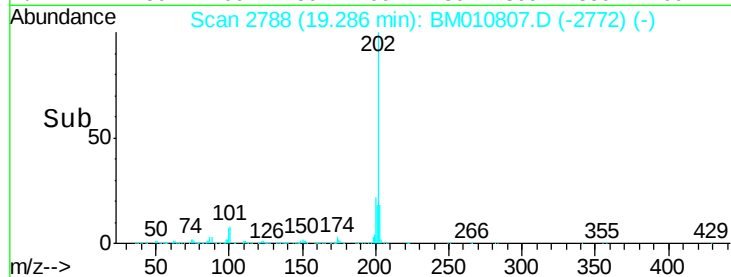
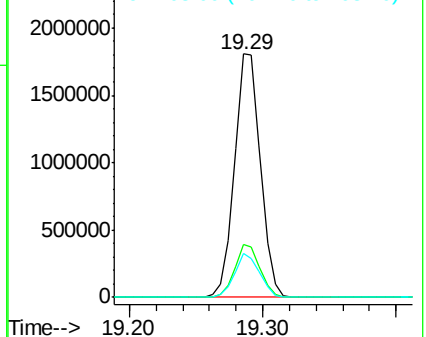
Ion	Ratio	Lower	Upper
202	100		
200	21.8	16.9	25.3
203	17.9	14.1	21.1



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: 87.444 ng

RT: 19.52 min Scan# 2827

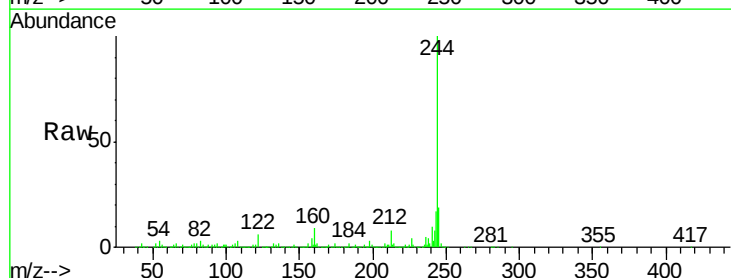
Delta R.T. 0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Tgt Ion:244 Resp: 9204597

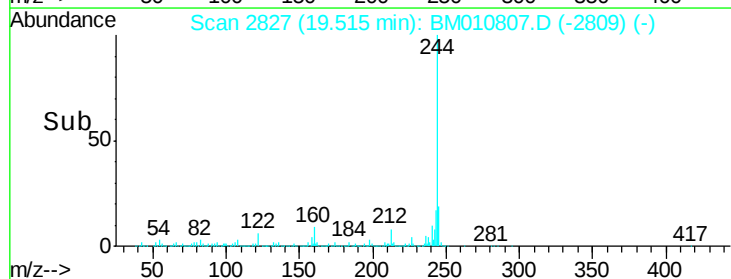
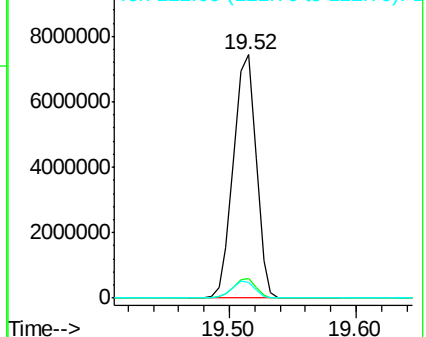
Ion	Ratio	Lower	Upper
244	100		
212	7.9	4.9	7.3#
122	6.5	6.2	9.4

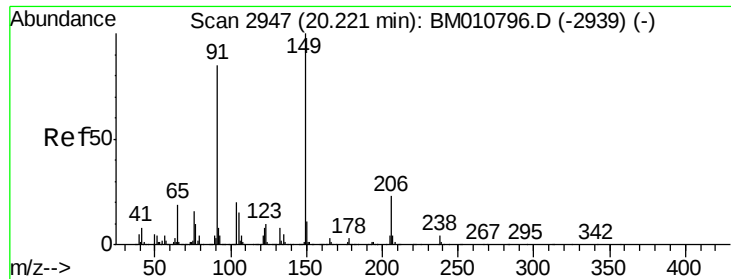


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 20.436 ng

RT: 20.22 min Scan# 2947

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

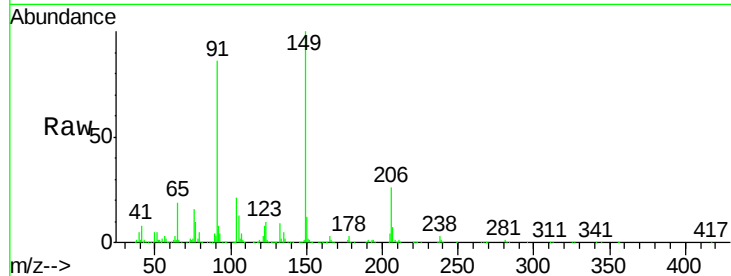
Tgt Ion:149 Resp: 844427

Ion Ratio Lower Upper

149 100

91 85.7 50.1 75.1#

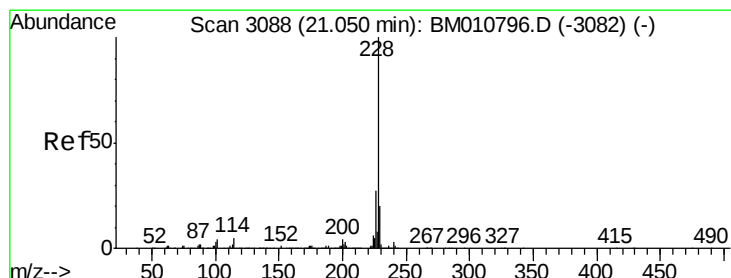
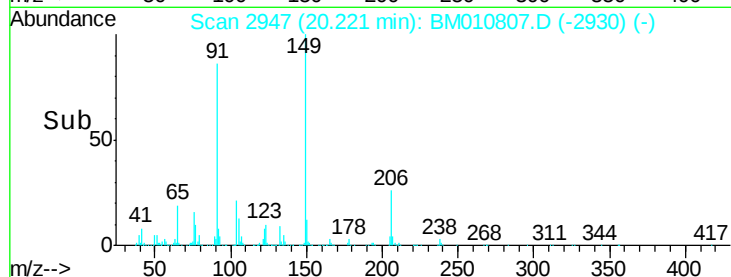
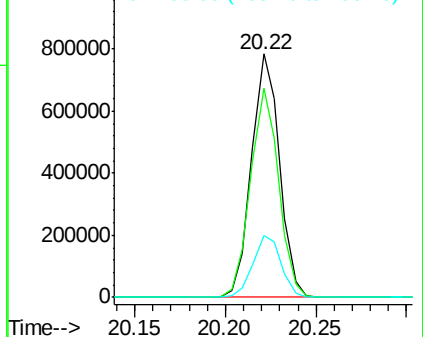
206 25.5 16.2 24.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 19.585 ng

RT: 21.05 min Scan# 3088

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

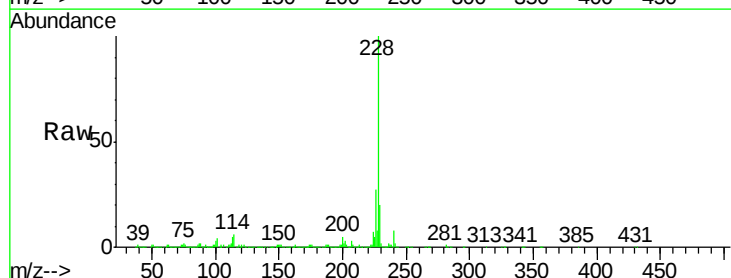
Tgt Ion:228 Resp: 2310363

Ion Ratio Lower Upper

228 100

226 26.8 21.7 32.5

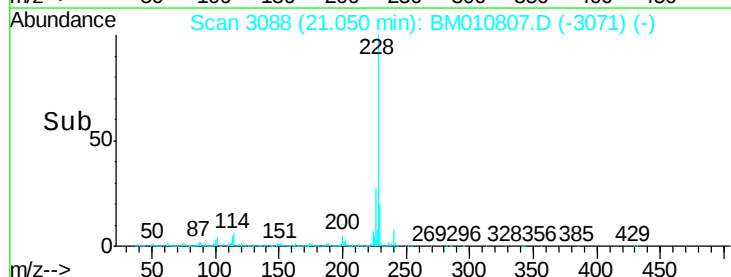
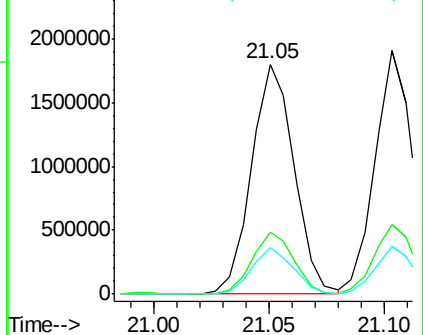
229 20.1 16.0 24.0

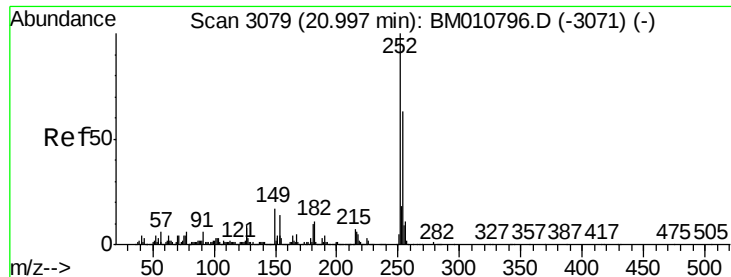


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

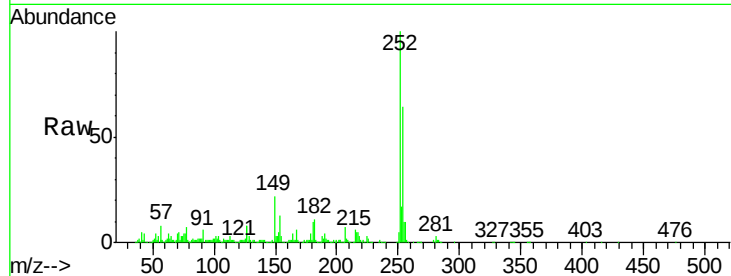




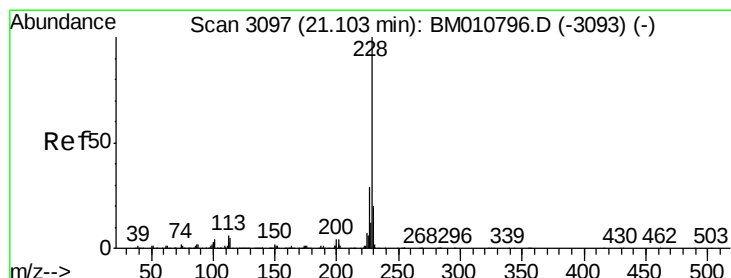
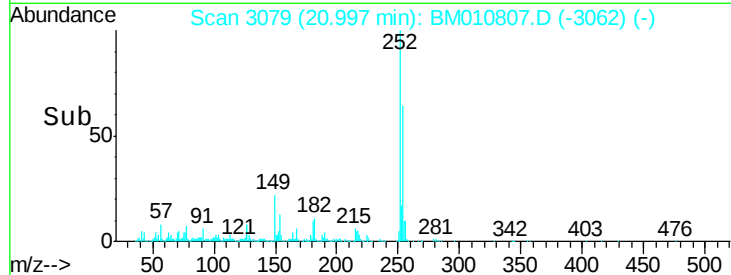
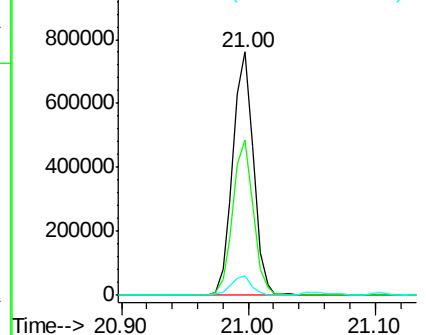
#81
 3,3'-Dichlorobenzidine
 Concen: 18.507 ng
 RT: 21.00 min Scan# 3079
 Delta R.T. 0.00 min
 Lab File: BM010807.D
 Acq: 13 Jul 2017 11:53

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

Tgt Ion: 252 Resp: 858423
 Ion Ratio Lower Upper
 252 100
 254 63.6 51.9 77.9
 126 8.2 9.8 14.8#

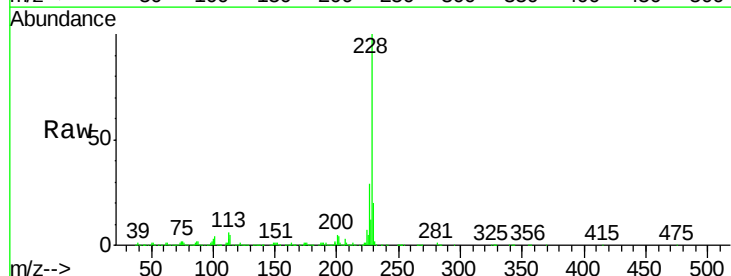


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

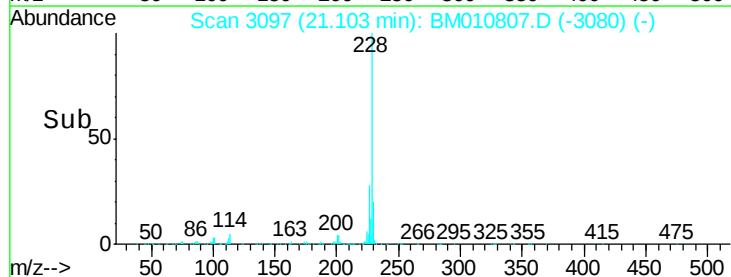
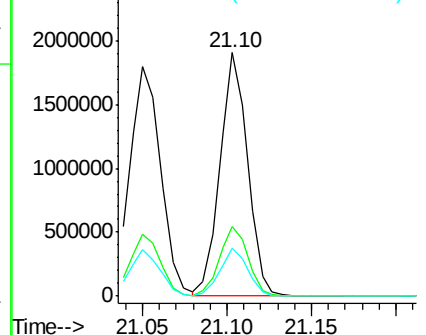


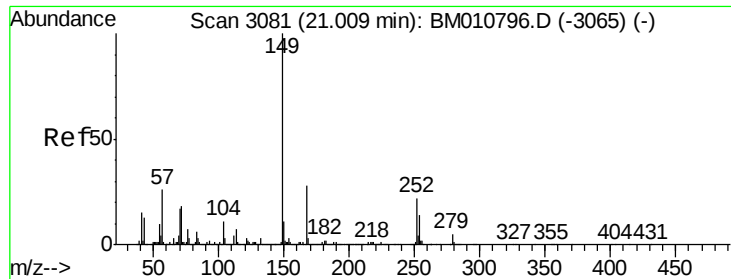
#82
 Chrysene
 Concen: 19.353 ng
 RT: 21.10 min Scan# 3097
 Delta R.T. 0.00 min
 Lab File: BM010807.D
 Acq: 13 Jul 2017 11:53

Tgt Ion: 228 Resp: 2174272
 Ion Ratio Lower Upper
 228 100
 226 28.8 24.1 36.1
 229 19.9 15.5 23.3



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 19.426 ng

RT: 21.01 min Scan# 3081

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

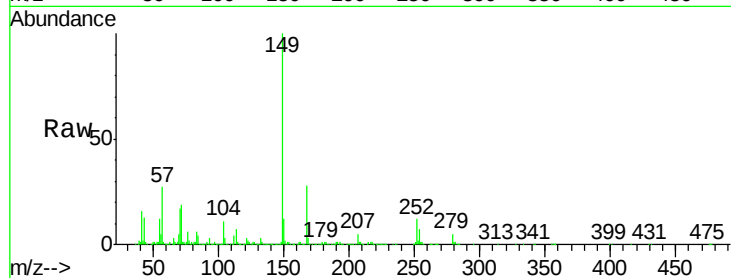
Tgt Ion:149 Resp: 1168914

Ion Ratio Lower Upper

149 100

167 27.7 22.4 33.6

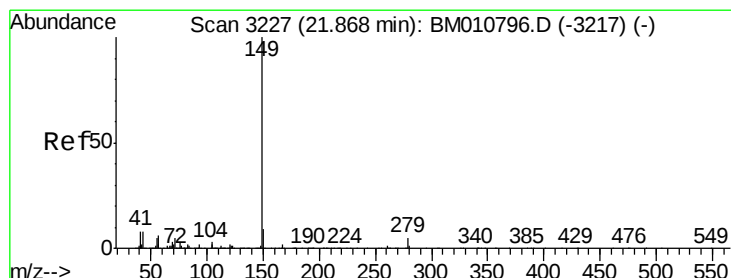
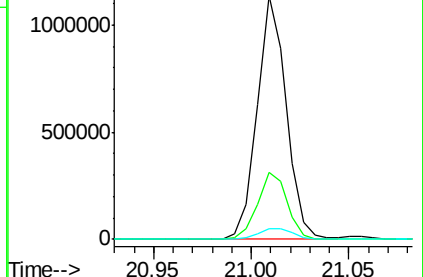
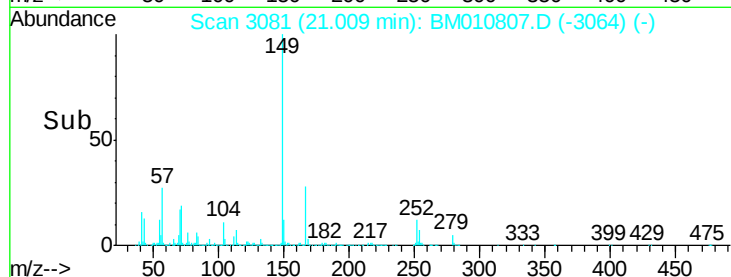
279 4.6 3.4 5.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 18.246 ng

RT: 21.86 min Scan# 3226

Delta R.T. -0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

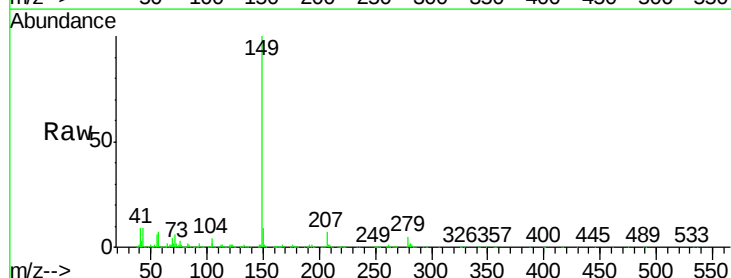
Tgt Ion:149 Resp: 1798811

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

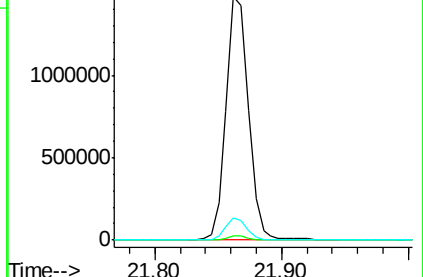
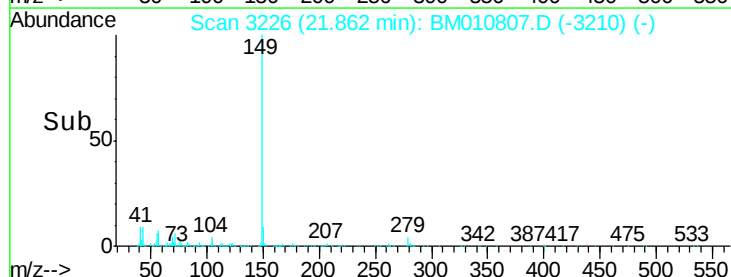
43 9.0 7.3 10.9

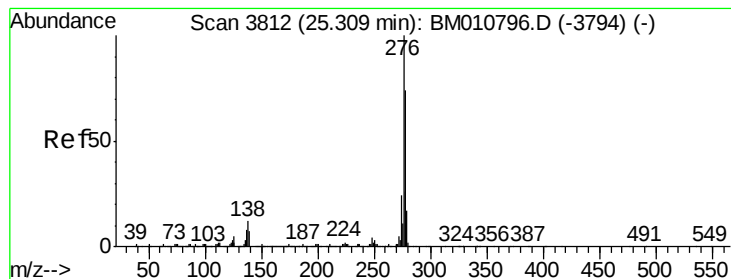


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM0





#85

Indeno(1,2,3-cd)pyrene

Concen: 15.004 ng

RT: 25.30 min Scan# 3811

Delta R.T. -0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

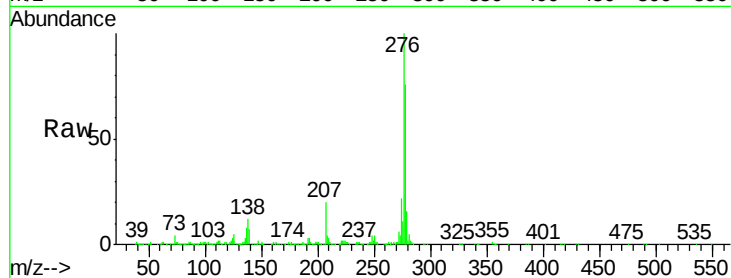
Tgt Ion:276 Resp: 1932998

Ion Ratio Lower Upper

276 100

138 11.7 0.0 0.0#

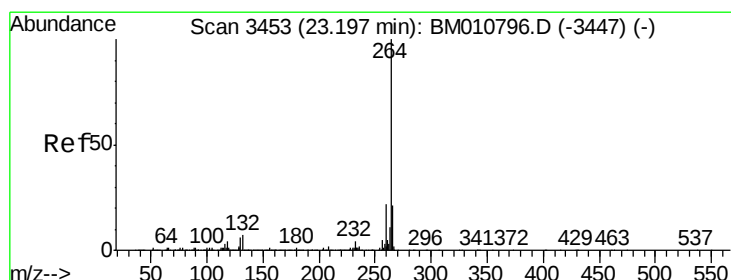
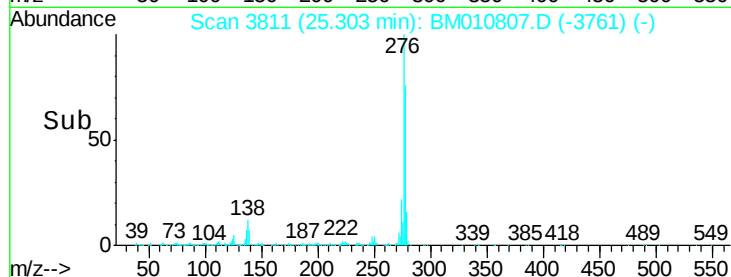
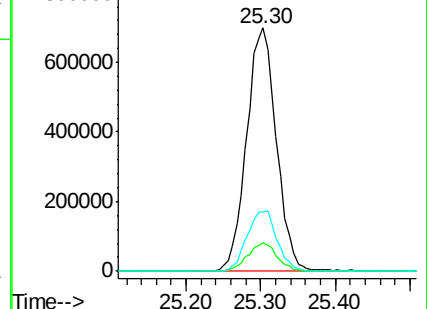
277 25.2 0.0 0.0#



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: BM010807.D

Acq: 13 Jul 2017 11:53

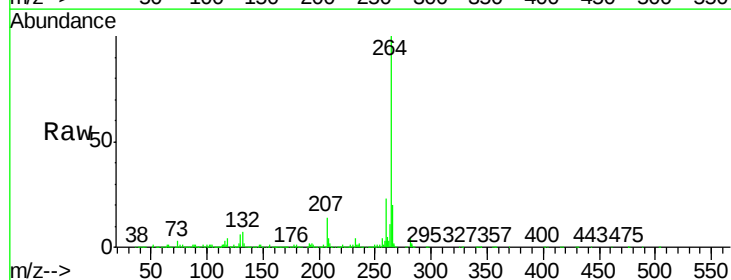
Tgt Ion:264 Resp: 1609410

Ion Ratio Lower Upper

264 100

260 22.6 18.6 27.8

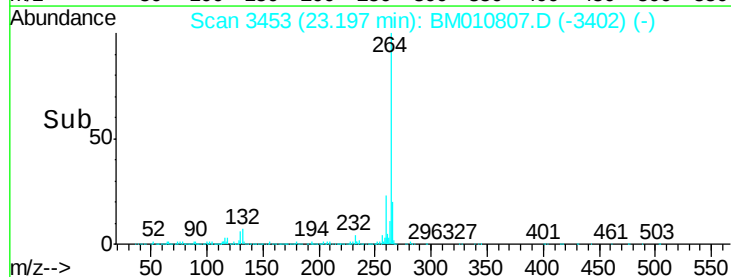
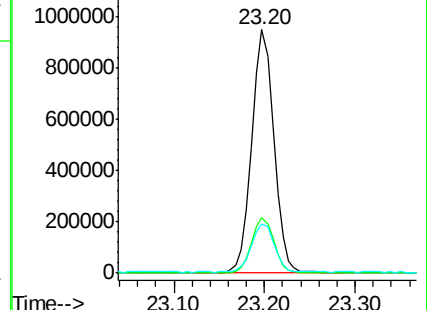
265 20.3 17.3 25.9

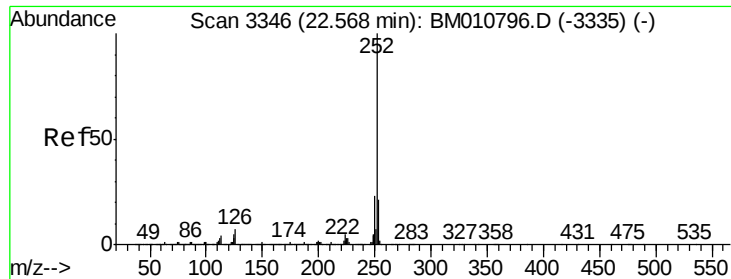


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 20.815 ng

RT: 22.57 min Scan# 3346

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

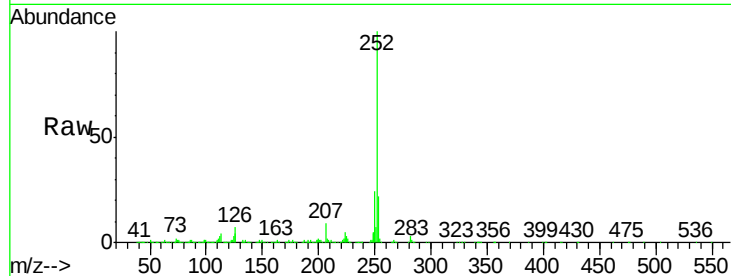
Tgt Ion:252 Resp: 2127945

Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

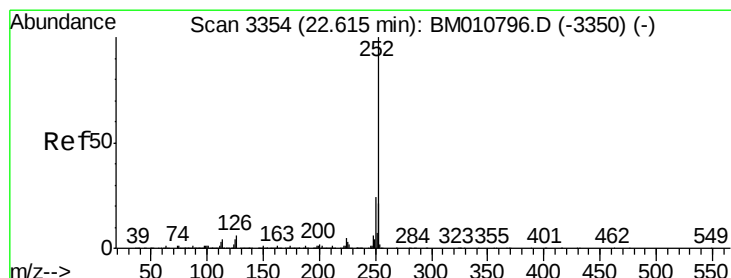
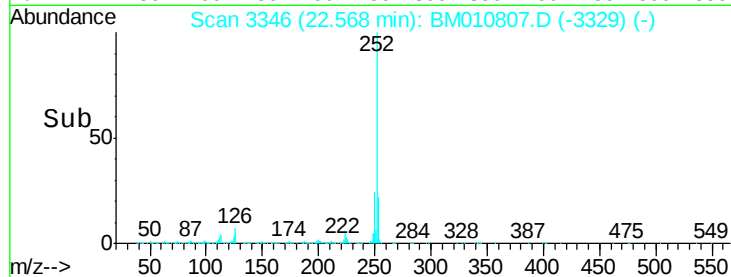
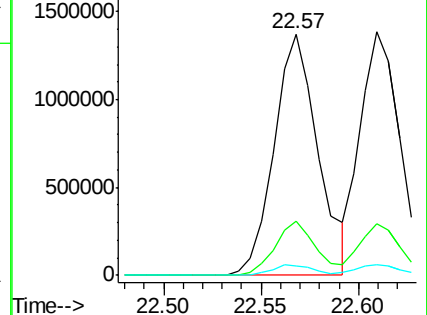
125 3.9 9.9 14.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 19.827 ng

RT: 22.61 min Scan# 3353

Delta R.T. -0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

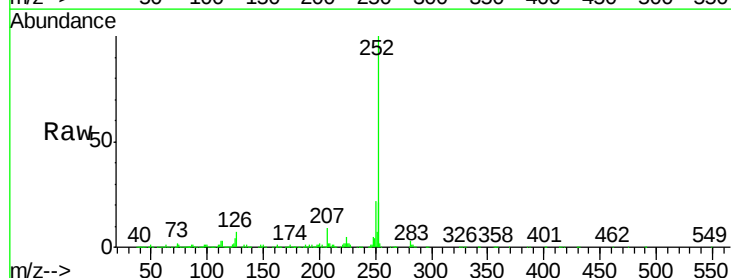
Tgt Ion:252 Resp: 1936003

Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

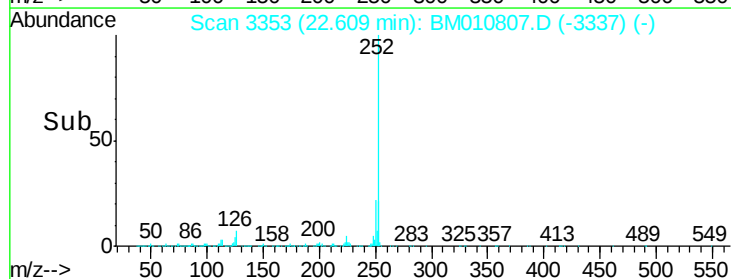
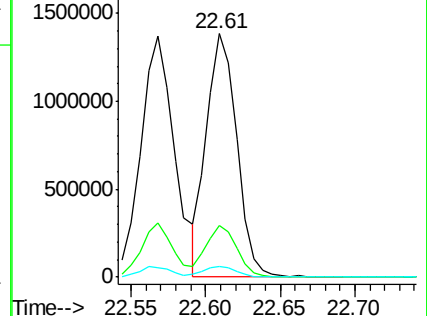
125 4.5 8.1 12.1#

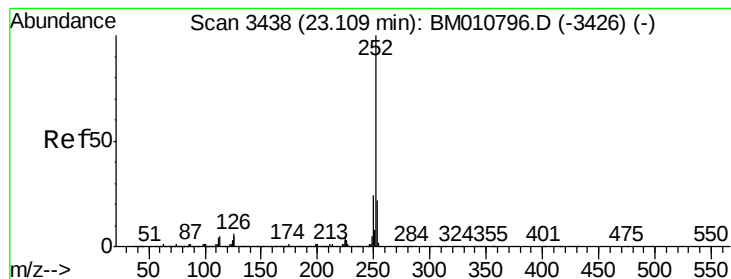


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 19.542 ng

RT: 23.11 min Scan# 3438

Delta R.T. 0.00 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

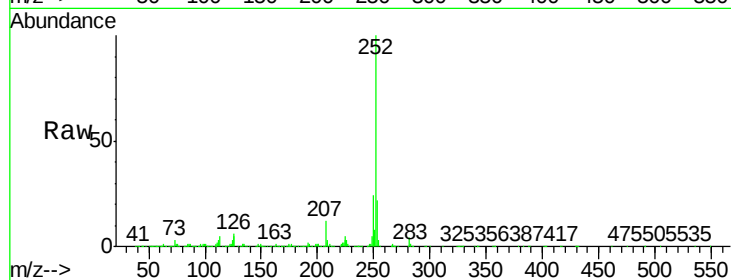
Tgt Ion:252 Resp: 1818383

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

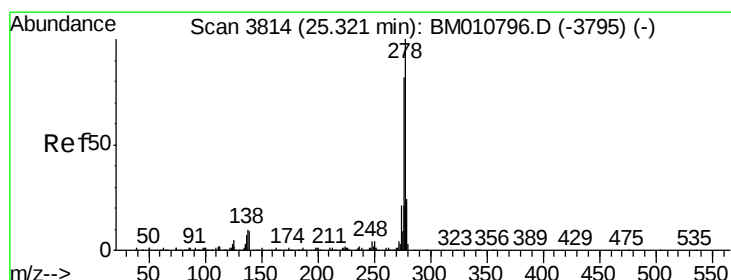
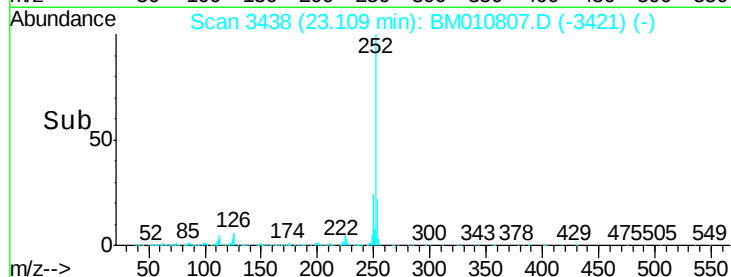
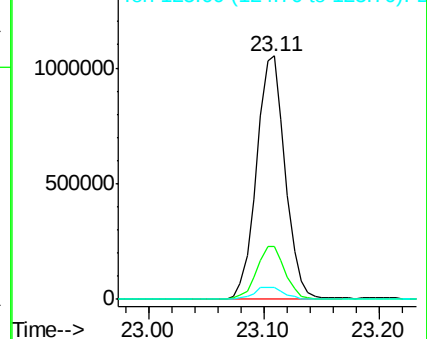
125 4.9 7.4 11.2#



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: 17.675 ng

RT: 25.31 min Scan# 3813

Delta R.T. -0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

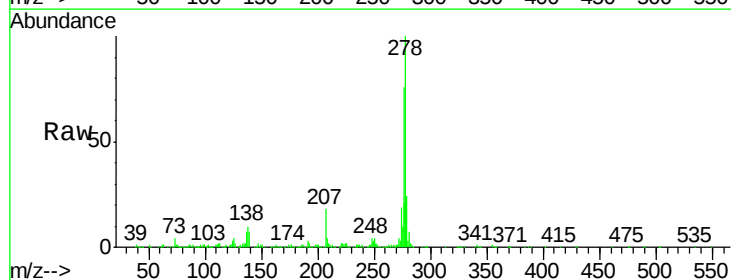
Tgt Ion:278 Resp: 1596341

Ion Ratio Lower Upper

278 100

139 7.4 13.4 20.0#

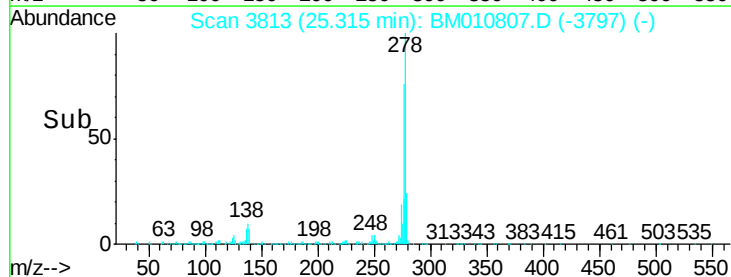
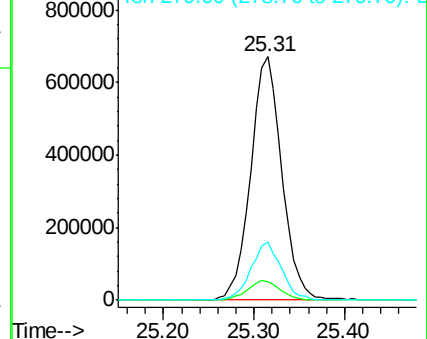
279 23.8 19.0 28.4

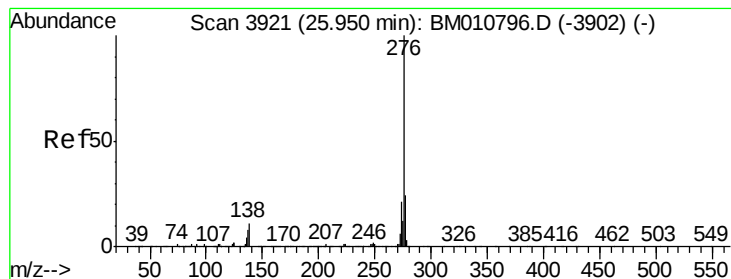


Abundance Ion 278.00 (277.70 to 278.70): E

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: 17.247 ng

RT: 25.94 min Scan# 3919

Delta R.T. -0.01 min

Lab File: BM010807.D

Acq: 13 Jul 2017 11:53

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2017

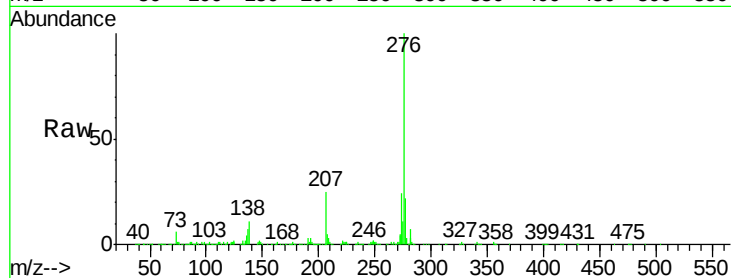
Tgt Ion:276 Resp: 1531179

Ion Ratio Lower Upper

276 100

277 22.0 18.5 27.7

138 10.5 19.0 28.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

