

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071317\
 Data File : BF096728.D
 Acq On : 13 Jul 2017 15:26
 Operator : SJ/JU
 Sample : I3757-01
 Misc : 2PPM LOD
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jul 14 01:04:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	99767	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	419269	20.00	ng	0.00
38) Acenaphthene-d10	9.66	164	191051	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	329711	20.00	ng	0.00
75) Chrysene-d12	13.77	240	276662	20.00	ng	0.00
86) Perylene-d12	15.15	264	182376	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.24	112	811089	122.24	ng	0.00
7) Phenol-d6	6.28	99	990240	124.36	ng	0.00
23) Nitrobenzene-d5	7.20	82	663180	97.98	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	220848	135.42	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	1156425	95.63	ng	0.00
78) Terphenyl-d14	12.73	244	1009565	63.28	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.26	88	6701	1.96	ng	# 76
3) Pyridine	3.07	79	6086	0.85	ng	# 45
4) n-Nitrosodimethylamine	2.87	42	5712	1.42	ng	# 57
6) Aniline	6.30	93	18178	1.85	ng	# 88
8) 2-Chlorophenol	6.42	128	13822	1.93	ng	97
9) Benzaldehyde	6.18	77	6739	1.46	ng	96
10) Phenol	6.29	94	17290	1.92	ng	# 13
11) bis(2-Chloroethyl)ether	6.37	93	13674	2.02	ng	94
12) 1,3-Dichlorobenzene	6.57	146	15447	2.03	ng	95
13) 1,4-Dichlorobenzene	6.65	146	15926	2.07	ng	95
14) 1,2-Dichlorobenzene	6.80	146	14503	2.07	ng	95
15) Benzyl Alcohol	6.79	79	19199	3.68	ng	# 40
16) 2,2'-oxybis(1-Chloropropan	6.92	45	27803	1.99	ng	90
17) 2-Methylphenol	6.89	107	10608	1.91	ng	88
18) Hexachloroethane	7.15	117	5336	1.95	ng	# 84
19) n-Nitroso-di-n-propylamine	7.05	70	9521	1.98	ng	# 85
20) 3+4-Methylphenols	7.05	107	13742	2.03	ng	# 69
22) Acetophenone	7.04	105	19247	2.05	ng	# 96
24) Nitrobenzene	7.22	77	14915	2.13	ng	# 86
25) Isophorone	7.45	82	23685	1.88	ng	97
26) 2-Nitrophenol	7.53	139	6688	1.72	ng	94
27) 2,4-Dimethylphenol	7.57	122	11623	1.82	ng	94
28) bis(2-Chloroethoxy)methane	7.67	93	16017	1.88	ng	96
29) 2,4-Dichlorophenol	7.77	162	10910	1.88	ng	97
30) 1,2,4-Trichlorobenzene	7.86	180	11111	2.02	ng	99
31) Naphthalene	7.93	128	41040	2.07	ng	99
32) Benzoic acid	7.63	122	5314	1.30	ng	96
33) 4-Chloroaniline	7.99	127	14004	1.78	ng	96
34) Hexachlorobutadiene	8.06	225	6374	2.17	ng	92
35) Caprolactam	8.31	113	3381	1.82	ng	# 81
36) 4-Chloro-3-methylphenol	8.47	107	11510	1.85	ng	87
37) 2-Methylnaphthalene	8.63	142	25828	2.04	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.80	216	10559	2.04	ng	97
40) Hexachlorocyclopentadiene	8.79	237	776	5.36	ng	77

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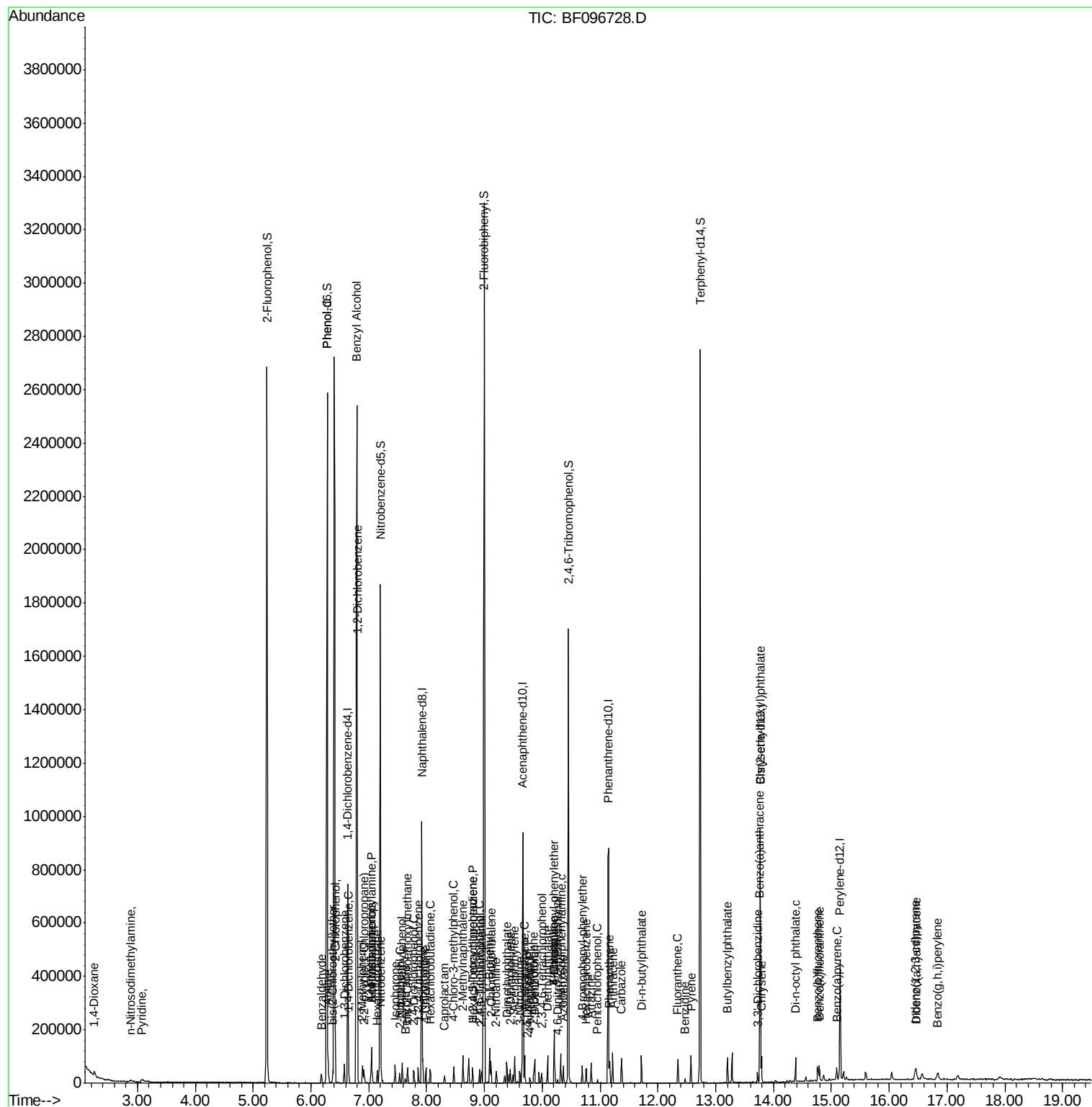
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.91	196	7279	1.91	nq	88
43) 2,4,5-Trichlorophenol	8.95	196	6941	1.81	nq	94
45) 1,1'-Biphenyl	9.09	154	38534	2.35	nq	97
46) 2-Chloronaphthalene	9.12	162	25393	2.10	nq	99
47) 2-Nitroaniline	9.20	65	7472	1.80	nq	93
48) Acenaphthylene	9.52	152	40228	2.09	nq	95
49) Dimethylphthalate	9.39	163	28407	1.97	nq	98
50) 2,6-Dinitrotoluene	9.45	165	6072	1.95	nq	# 80
51) Acenaphthene	9.70	154	23160	2.04	nq	89
52) 3-Nitroaniline	9.61	138	6801	1.84	nq	# 99
53) 2,4-Dinitrophenol	9.73	184	221	6.87	nq	# 4
54) Dibenzofuran	9.87	168	33592	2.11	nq	98
55) 4-Nitrophenol	9.79	139	4425	1.64	nq	# 63
56) 2,4-Dinitrotoluene	9.85	165	7058	1.76	nq	# 73
57) Fluorene	10.21	166	28314	2.41	nq	98
58) 2,3,4,6-Tetrachlorophenol	9.99	232	4741	1.78	nq	# 96
59) Diethylphthalate	10.09	149	39091	2.79	nq	98
60) 4-Chlorophenyl-phenylether	10.20	204	12618	1.40	nq	95
61) 4-Nitroaniline	10.22	138	6142	1.77	nq	80
62) Azobenzene	10.37	77	24074	1.95	nq	87
64) 4,6-Dinitro-2-methylphenol	10.26	198	1594	0.77	nq	95
65) n-Nitrosodiphenylamine	10.32	169	23820	2.02	nq	97
66) 4-Bromophenyl-phenylether	10.69	248	6767	2.01	nq	97
67) Hexachlorobenzene	10.76	284	7769	2.07	nq	# 89
68) Atrazine	10.85	200	6767	2.02	nq	89
69) Pentachlorophenol	10.96	266	2435	1.34	nq	# 84
70) Phenanthrene	11.16	178	38773	2.16	nq	96
71) Anthracene	11.22	178	39797	2.20	nq	98
72) Carbazole	11.37	167	37377	2.13	nq	99
73) Di-n-butylphthalate	11.72	149	47000	2.15	nq	98
74) Fluoranthene	12.34	202	38585	2.25	nq	99
76) Benzidine	12.47	184	8534	0.94	nq	97
77) Pyrene	12.57	202	40749	1.62	nq	96
79) Butylbenzylphthalate	13.20	149	19888	3.33	nq	# 85
80) Benzo(a)anthracene	13.76	228	32212	1.87	nq	98
81) 3,3'-Dichlorobenzidine	13.73	252	10236	1.65	nq	# 90
82) Chrysene	13.79	228	30763	1.81	nq	98
83) Bis(2-ethylhexyl)phthalate	13.77	149	27999	1.93	nq	99
84) Di-n-octyl phthalate	14.38	149	40336	1.68	nq	# 94
85) Indeno(1,2,3-cd)pyrene	16.46	276	22011	4.68	nq	96
87) Benzo(b)fluoranthene	14.77	252	23542	2.14	nq	100
88) Benzo(k)fluoranthene	14.79	252	21510	2.07	nq	97
89) Benzo(a)pyrene	15.09	252	20034	1.99	nq	# 96
90) Dibenzo(a,h)anthracene	16.47	278	17655	1.90	nq	# 93
91) Benzo(g,h,i)perylene	16.84	276	18589	1.87	nq	97

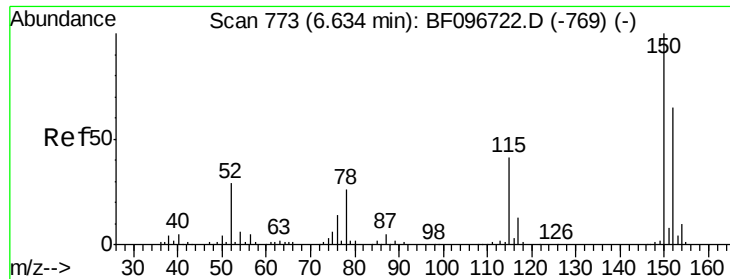
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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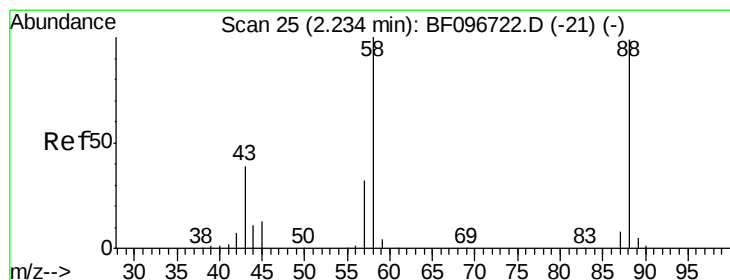
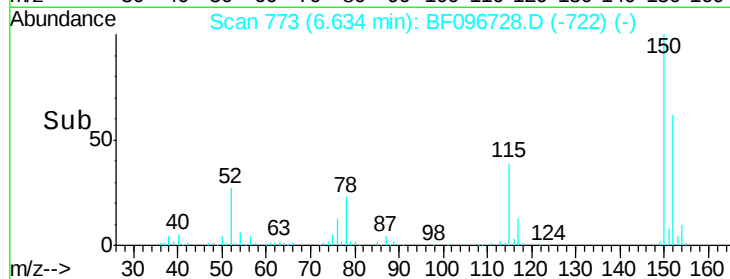
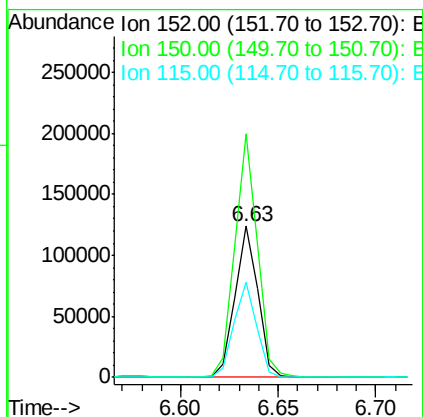
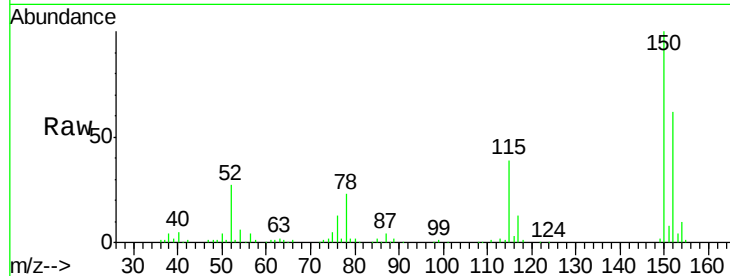


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.00 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

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

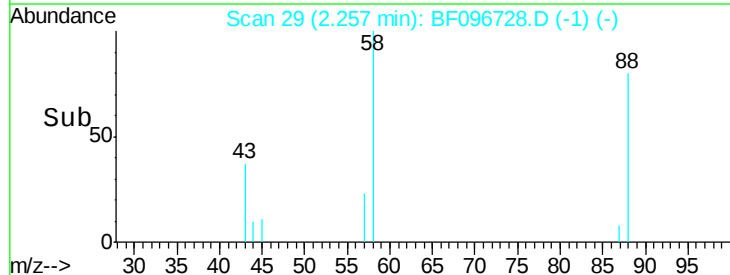
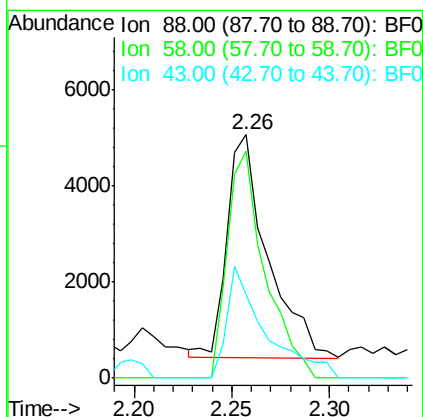
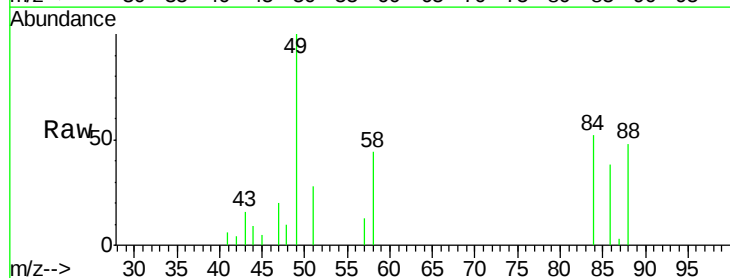
Tot Ion:152 Resp: 99767
Ion Ratio Lower Upper
152 100
150 161.1 126.2 189.2
115 62.7 52.2 78.2

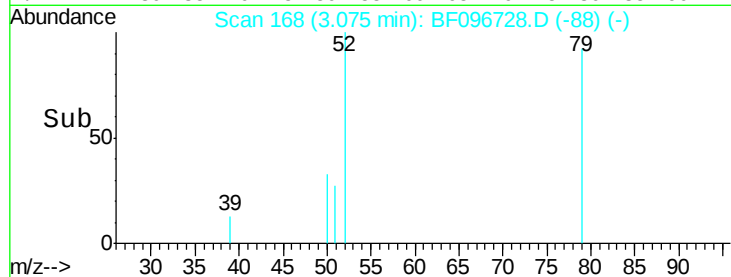
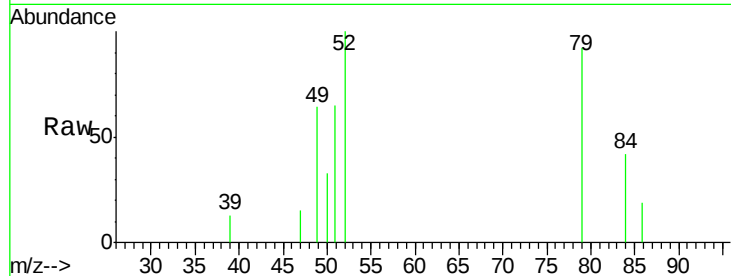
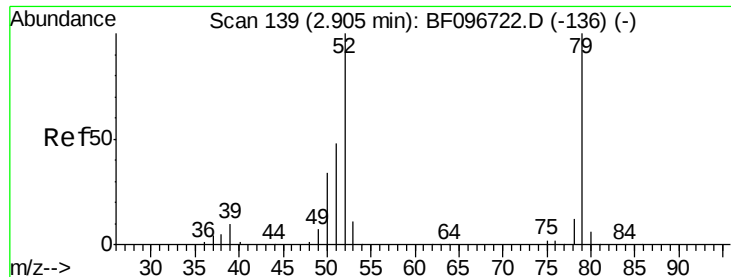


#2

1,4-Dioxane
Concen: 1.96 ng
RT: 2.26 min Scan# 29
Delta R.T. 0.02 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

Tgt Ion: 88 Resp: 6701
Ion Ratio Lower Upper
88 100
58 94.1 61.4 92.0#
43 47.5 23.4 35.0#

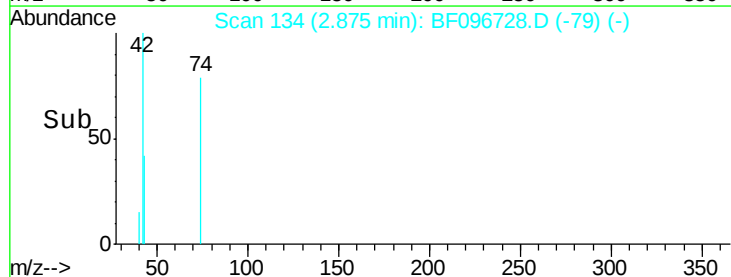
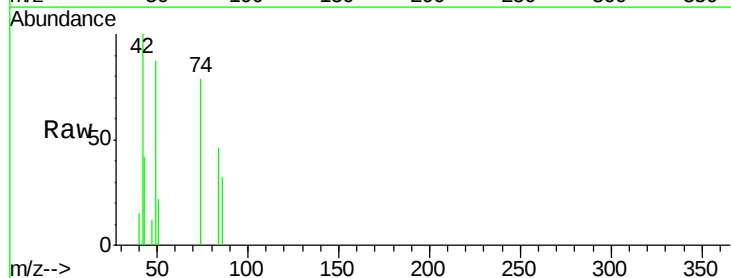
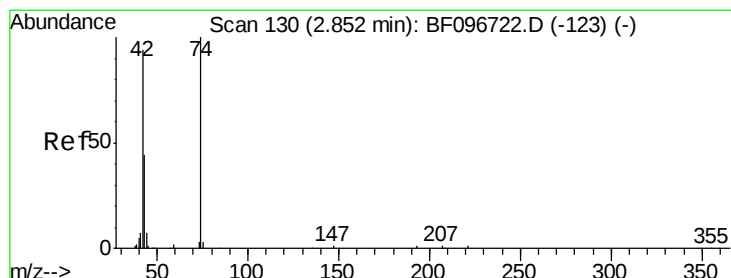
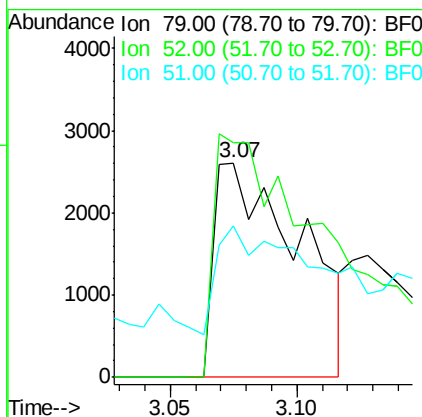




#3
 Pvridine
 Concen: 0.85 ng
 RT: 3.07 min Scan# 168
 Delta R.T. 0.17 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

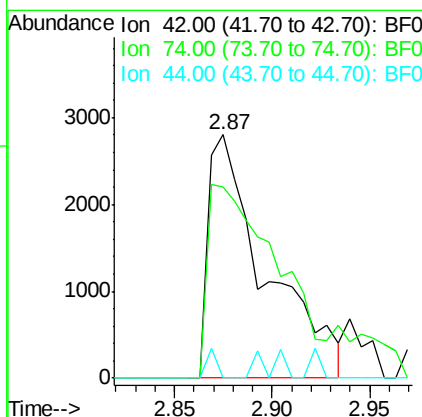
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

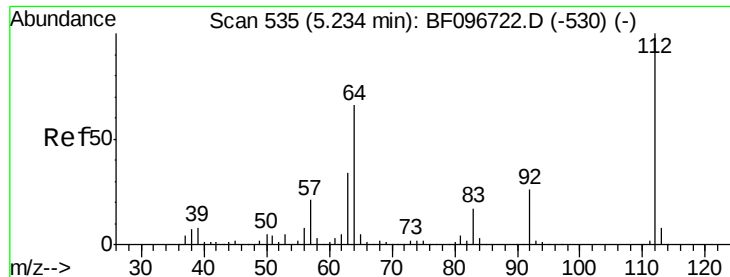
Tot Ion: 79 Resp: 6086
 Ion Ratio Lower Upper
 79 100
 52 109.2 54.8 82.2#
 51 70.8 27.0 40.4#



#4
 n-Nitrosodimethylamine
 Concen: 1.42 ng
 RT: 2.87 min Scan# 134
 Delta R.T. 0.02 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

Tgt Ion: 42 Resp: 5712
 Ion Ratio Lower Upper
 42 100
 74 78.7 103.9 155.9#
 44 0.0 5.7 8.5#





#5

2-Fluorophenol

Concen: 122.24 ng

RT: 5.24 min Scan# 536

Delta R.T. 0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

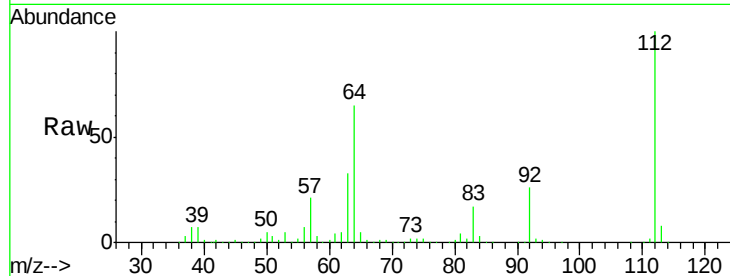
Tot Ion:112 Resp: 811089

Ion Ratio Lower Upper

112 100

64 65.3 46.0 69.0

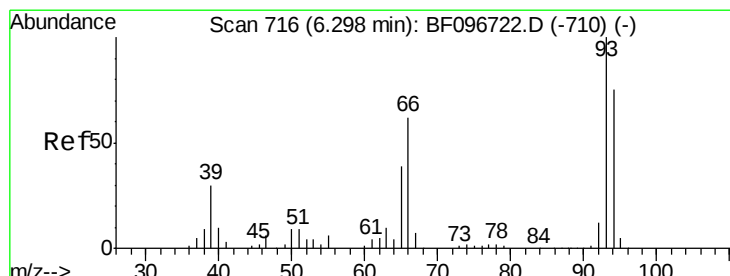
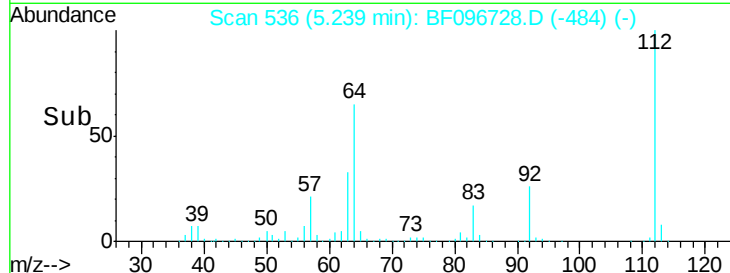
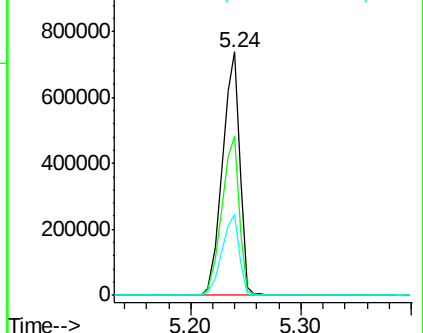
63 33.3 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 1.85 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.00 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

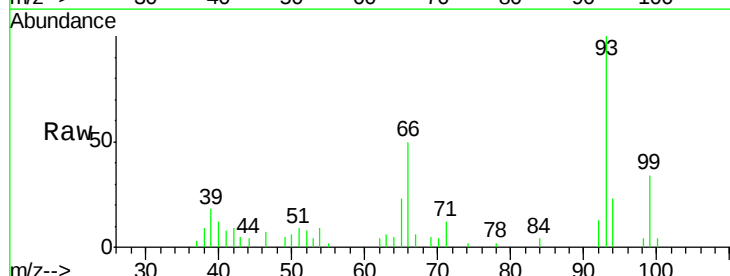
Tgt Ion: 93 Resp: 18178

Ion Ratio Lower Upper

93 100

66 50.2 32.9 49.3#

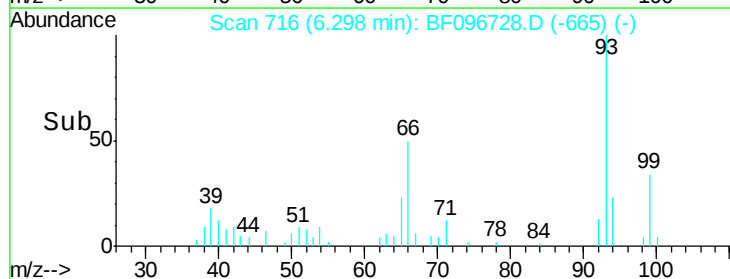
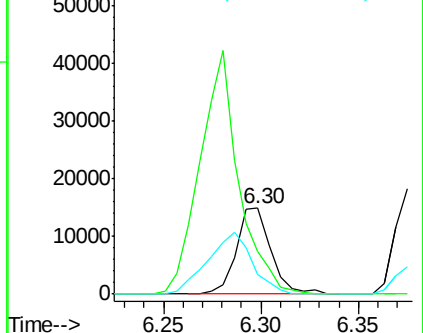
65 22.7 16.0 24.0

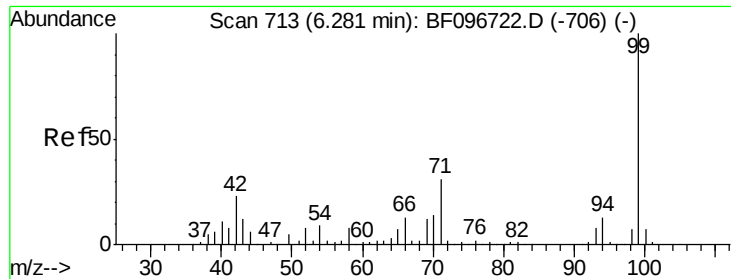


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 124.36 ng

RT: 6.28 min Scan# 713

Delta R.T. -0.00 min

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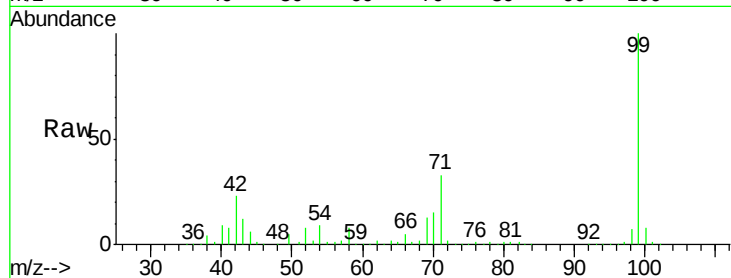
Tot Ion: 99 Resp: 990240

Ion Ratio Lower Upper

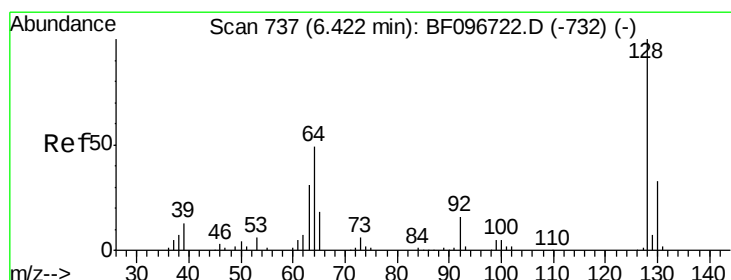
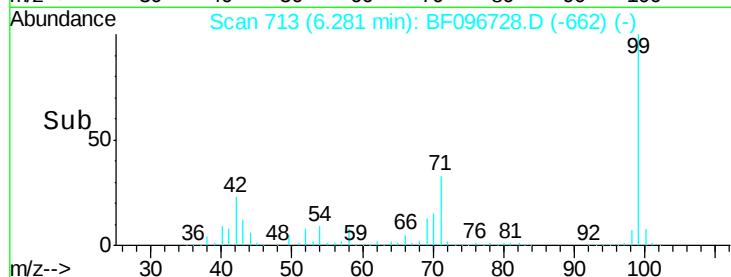
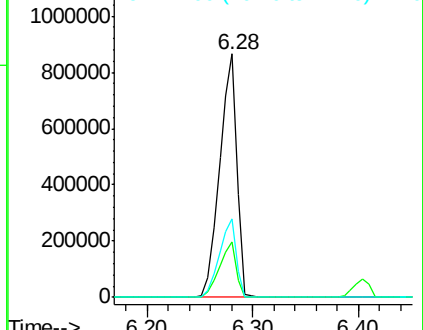
99 100

42 22.6 13.5 20.3#

71 32.5 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 1.93 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

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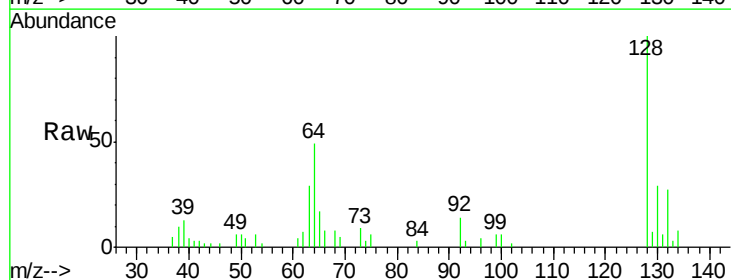
Tgt Ion:128 Resp: 13822

Ion Ratio Lower Upper

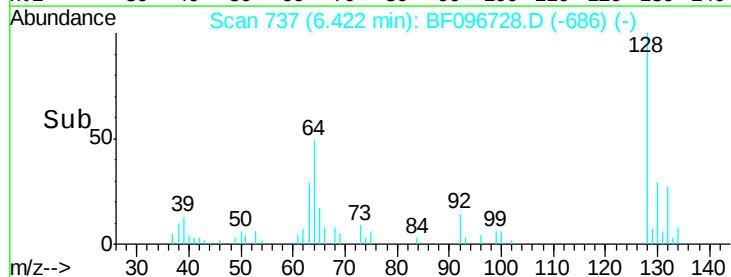
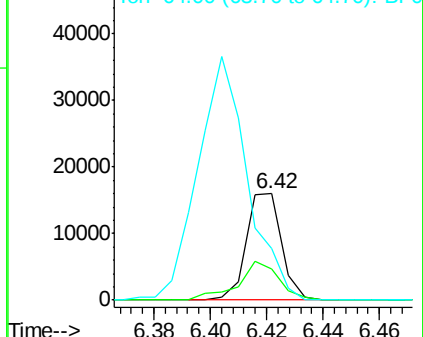
128 100

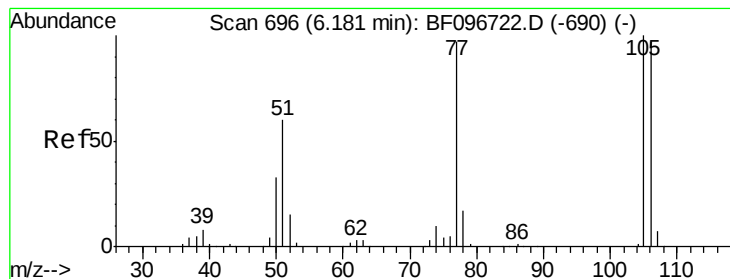
130 29.5 12.9 52.9

64 48.7 28.4 68.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 1.46 ng

RT: 6.18 min Scan# 696

Delta R.T. -0.00 min

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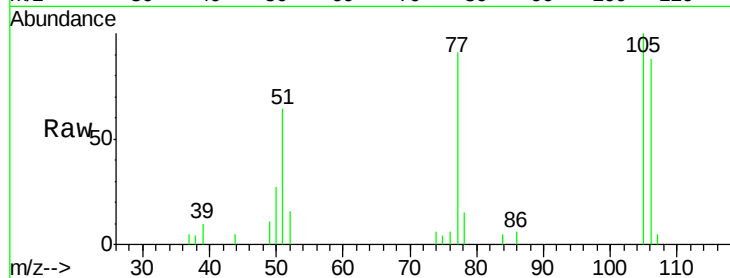
Tot Ion: 77 Resp: 6739

Ion Ratio Lower Upper

77 100

105 109.7 83.8 123.8

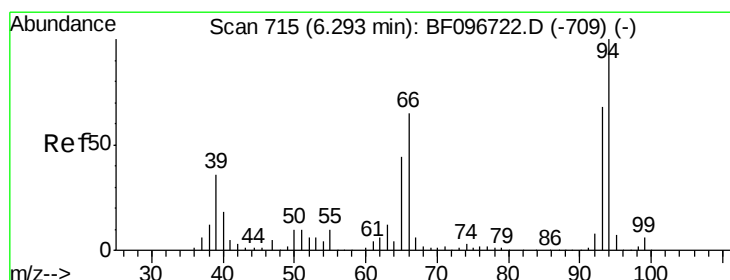
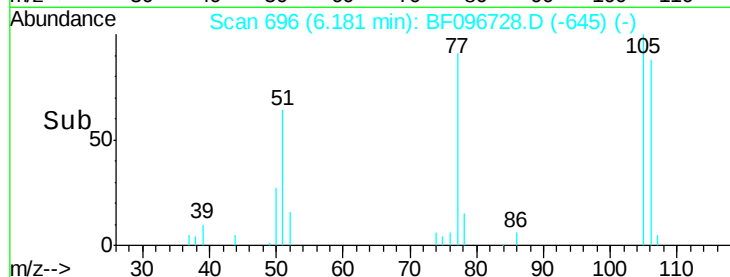
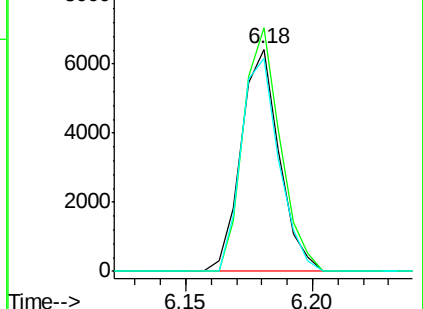
106 96.2 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 1.92 ng

RT: 6.29 min Scan# 714

Delta R.T. -0.01 min

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Acq: 13 Jul 2017 15:26

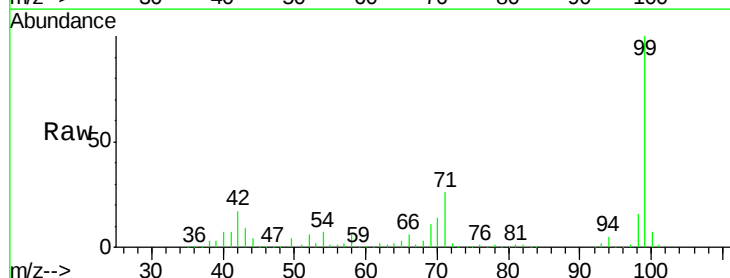
Tgt Ion: 94 Resp: 17290

Ion Ratio Lower Upper

94 100

65 54.6 9.9 49.9#

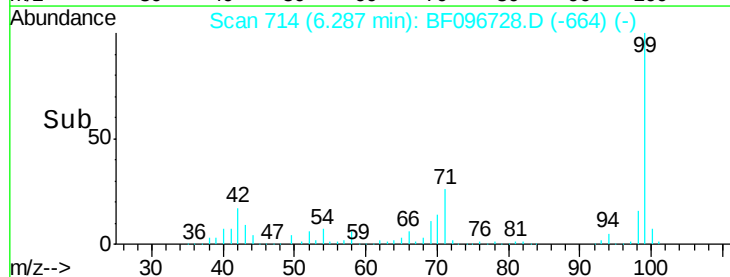
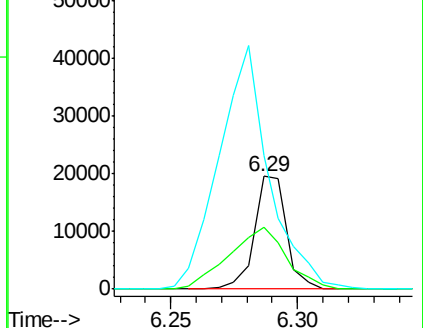
66 117.8 23.1 63.1#

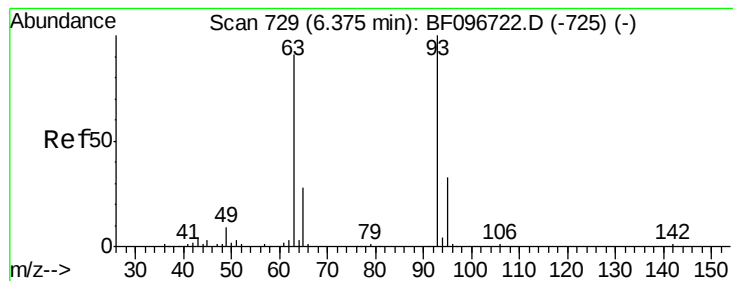


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

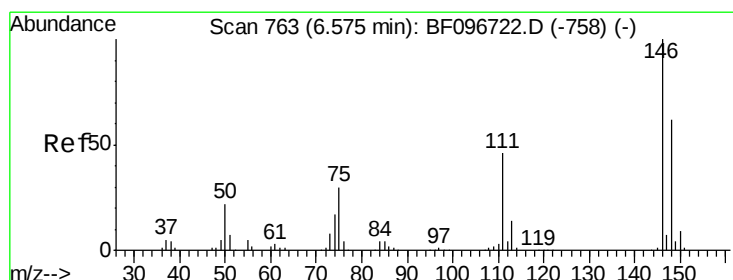
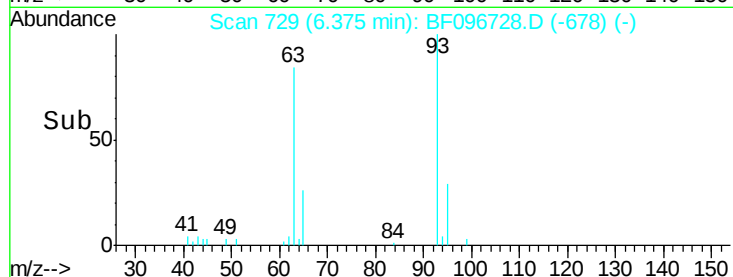
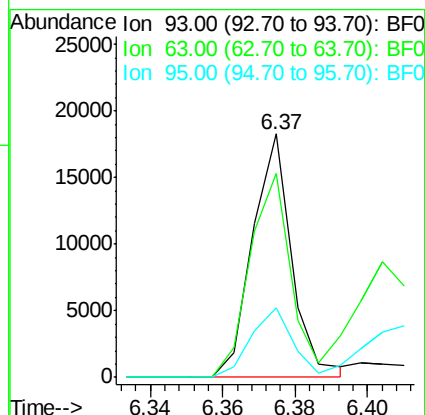
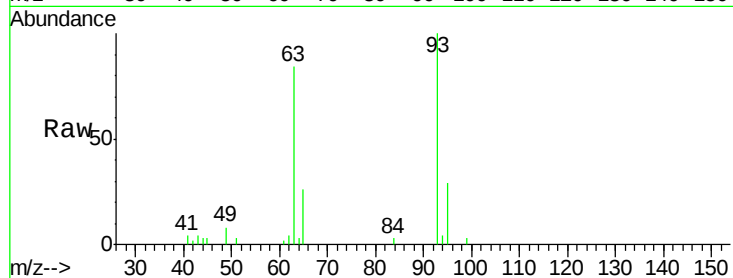




#11
bis(2-Chloroethyl)ether
Concen: 2.02 ng
RT: 6.37 min Scan# 729
Delta R.T. -0.00 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

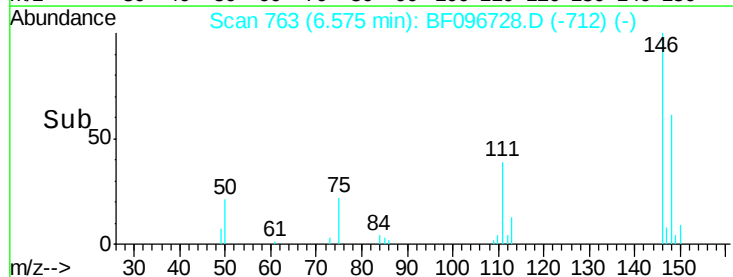
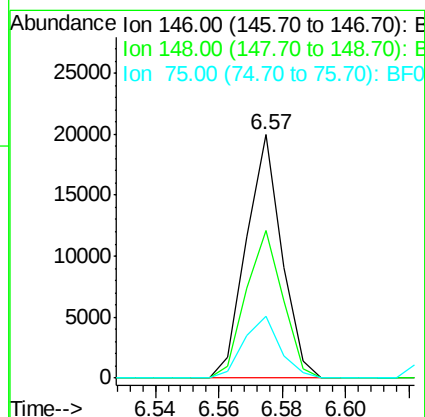
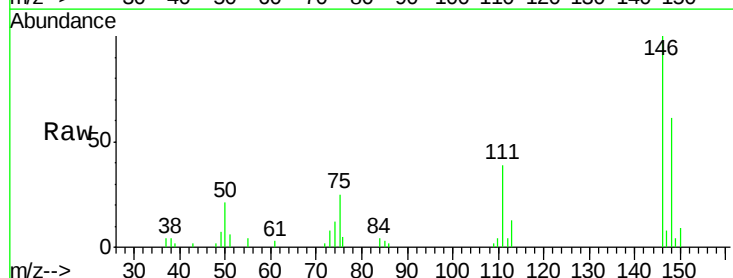
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

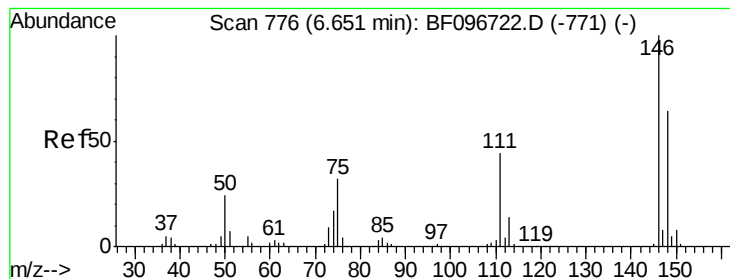
Tot Ion: 93 Resp: 13674
Ion Ratio Lower Upper
93 100
63 83.8 59.2 99.2
95 28.6 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 2.03 ng
RT: 6.57 min Scan# 763
Delta R.T. -0.00 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

Tgt Ion: 146 Resp: 15447
Ion Ratio Lower Upper
146 100
148 60.7 51.8 77.6
75 25.5 23.1 34.7





#13

1,4-Dichlorobenzene

Concen: 2.07 ng

RT: 6.65 min Scan# 776

Delta R.T. -0.00 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

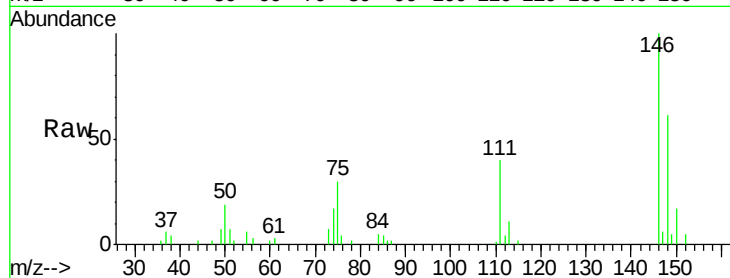
Tot Ion:146 Resp: 15926

Ion Ratio Lower Upper

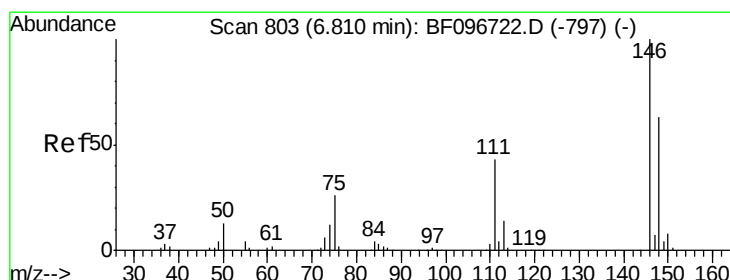
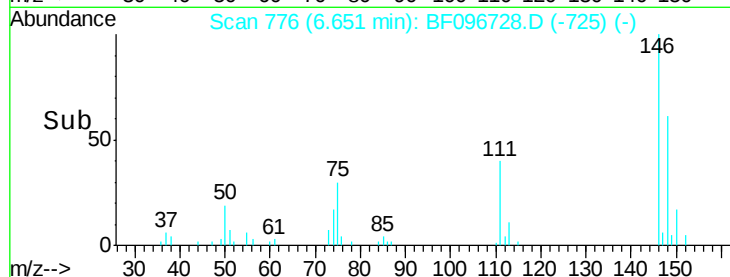
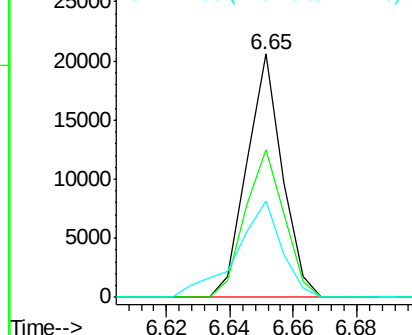
146 100

148 60.6 52.2 78.2

111 39.6 30.3 45.5



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: 2.07 ng

RT: 6.80 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

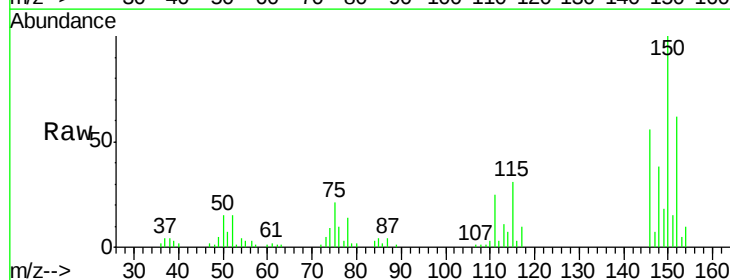
Tgt Ion:146 Resp: 14503

Ion Ratio Lower Upper

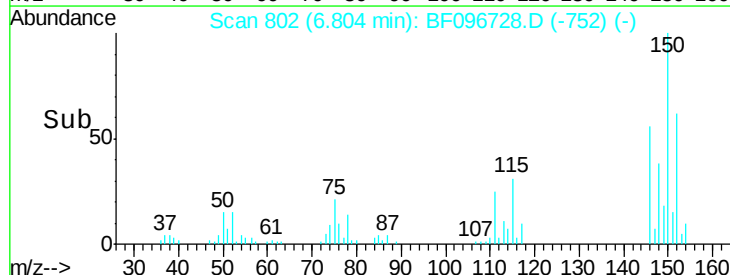
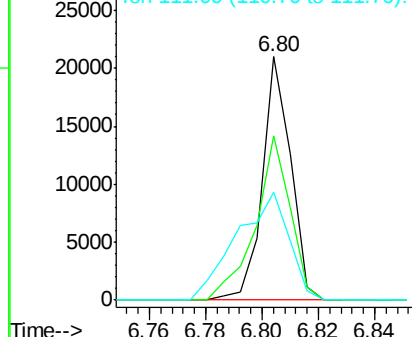
146 100

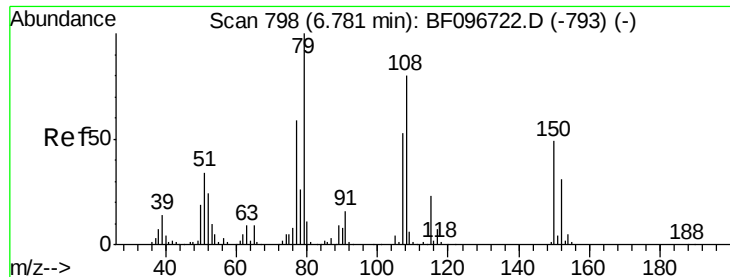
148 67.3 50.4 75.6

111 44.6 38.2 57.4



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

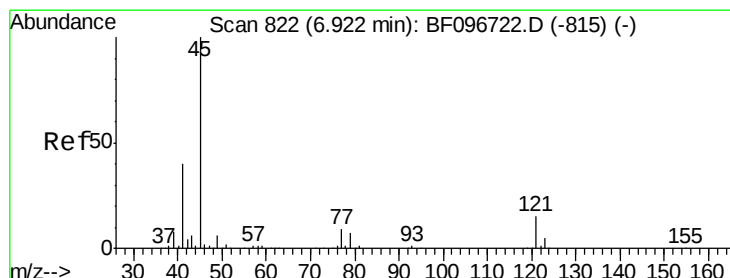
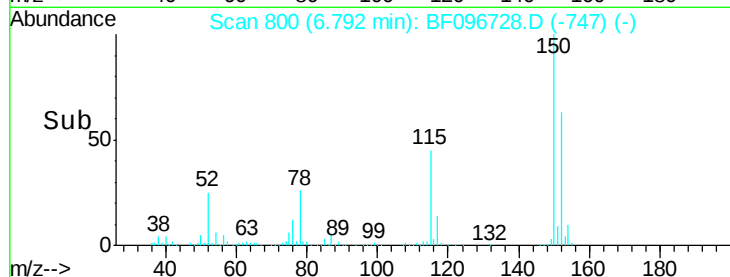
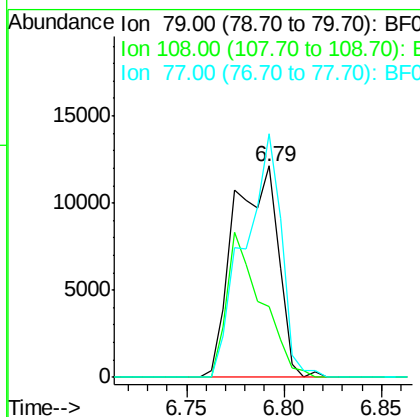
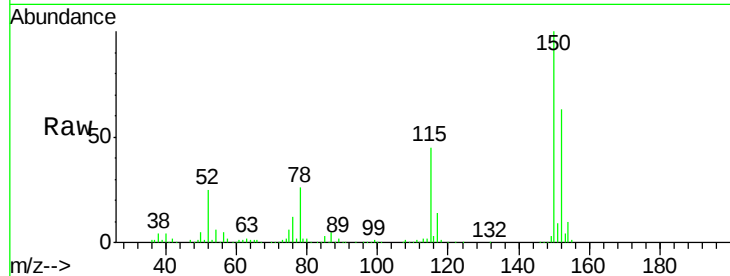




#15
Benzyl Alcohol
Concen: 3.68 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

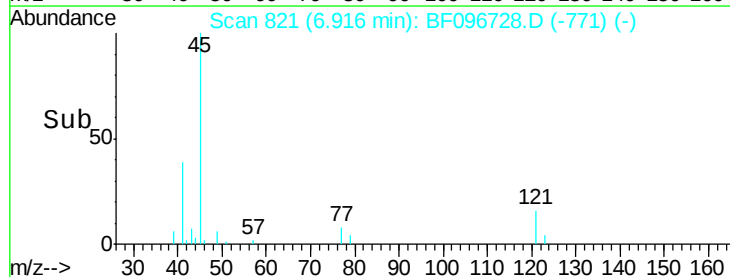
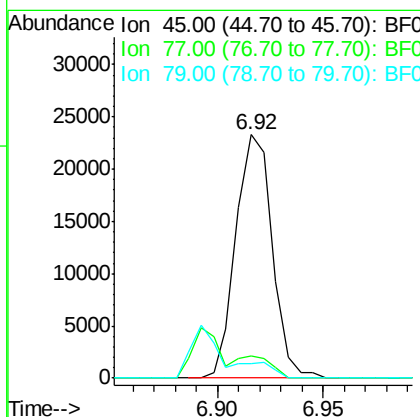
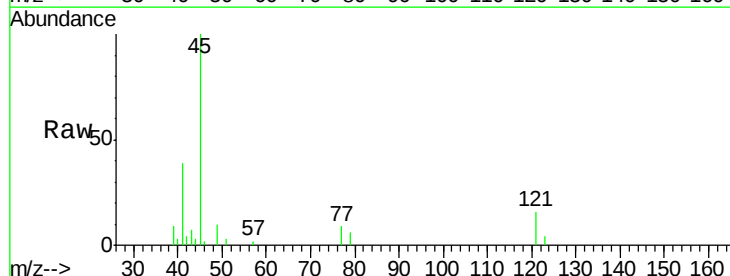
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

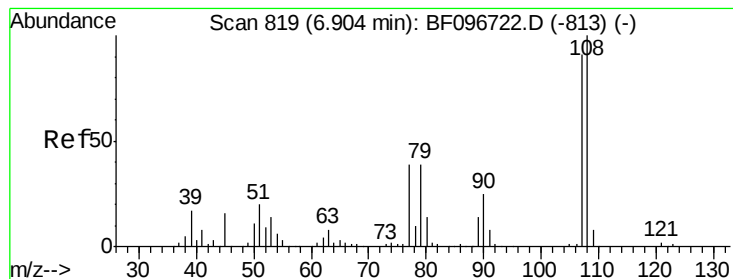
Tot Ion: 79 Resp: 19199
Ion Ratio Lower Upper
79 100
108 33.4 63.4 95.0#
77 115.4 49.2 73.8#



#16
2,2'-oxybis(1-Chloropropane)
Concen: 1.99 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

Tgt Ion: 45 Resp: 27803
Ion Ratio Lower Upper
45 100
77 9.2 0.0 33.2
79 6.0 0.0 30.0

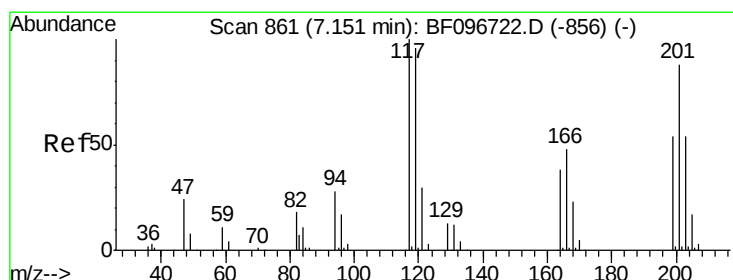
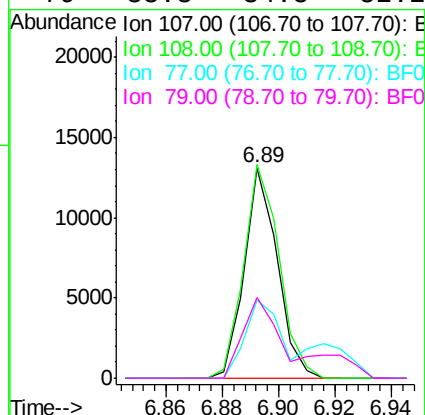
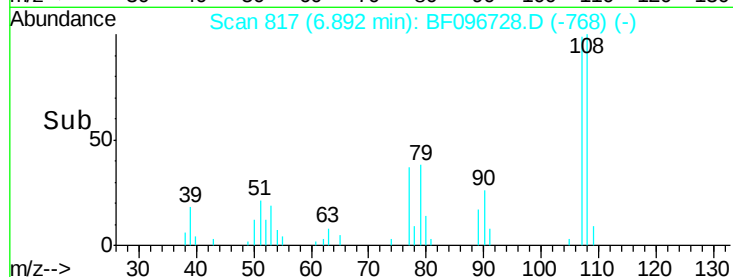
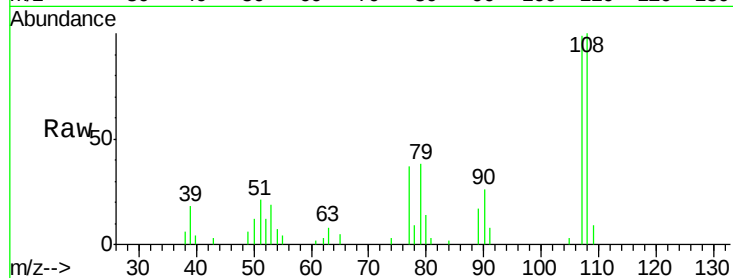




#17
2-Methylphenol
Concen: 1.91 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

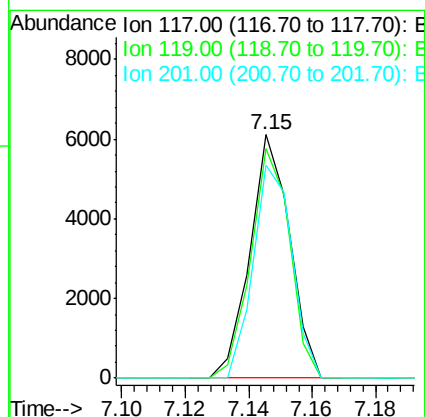
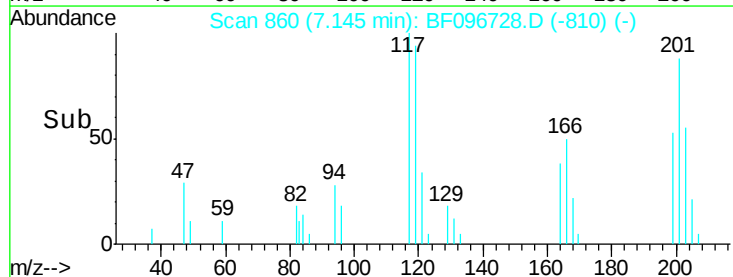
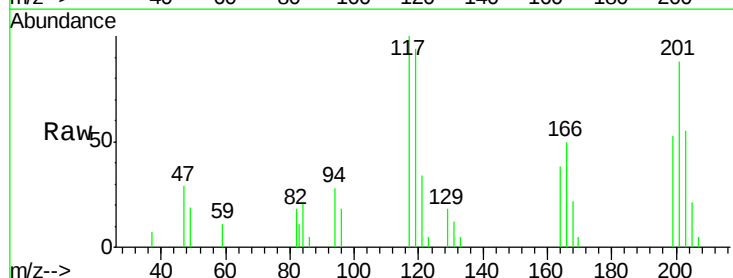
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

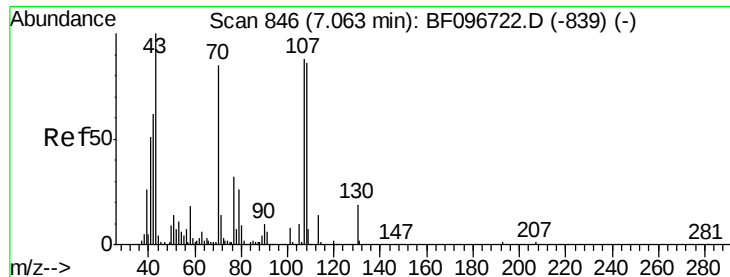
Tot Ion:107 Resp: 10608
Ion Ratio Lower Upper
107 100
108 101.5 93.4 140.0
77 37.1 35.8 53.6
79 38.3 34.8 52.2



#18
Hexachloroethane
Concen: 1.95 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

Tgt Ion:117 Resp: 5336
Ion Ratio Lower Upper
117 100
119 94.1 77.4 116.0
201 87.5 94.6 141.8#

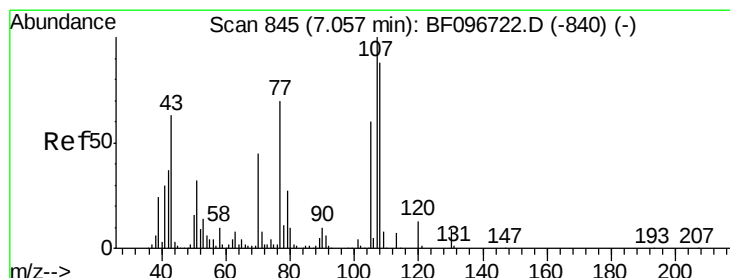
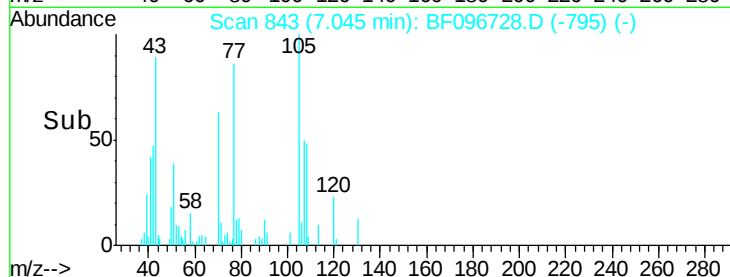
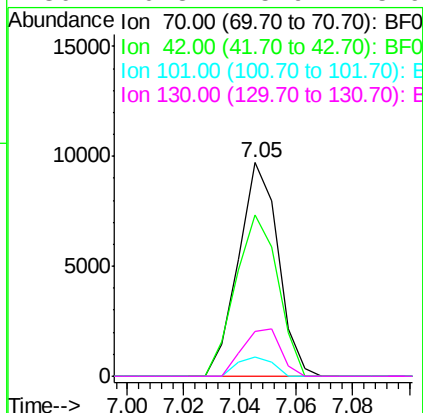
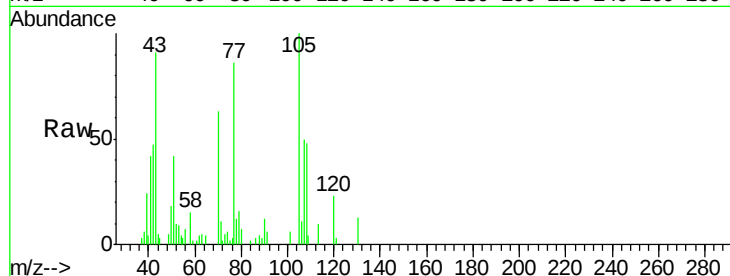




#19
n-Nitroso-di-n-propylamine
Concen: 1.98 ng
RT: 7.05 min Scan# 843
Delta R.T. -0.02 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

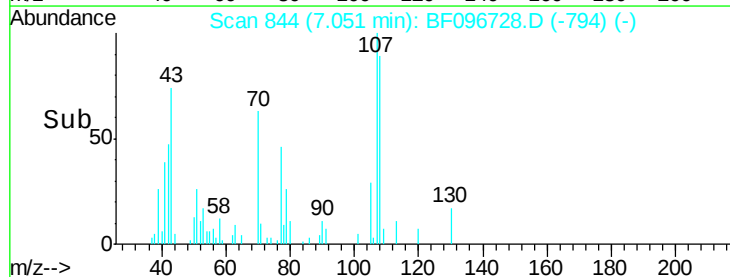
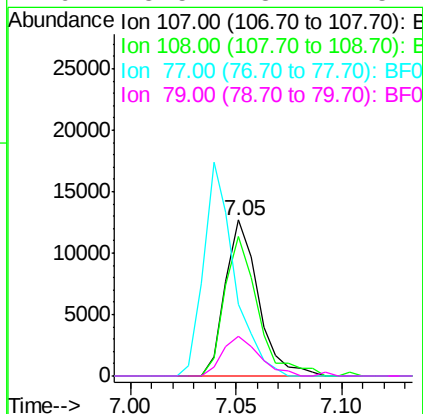
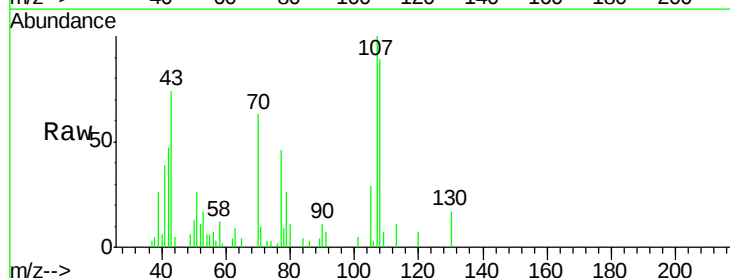
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

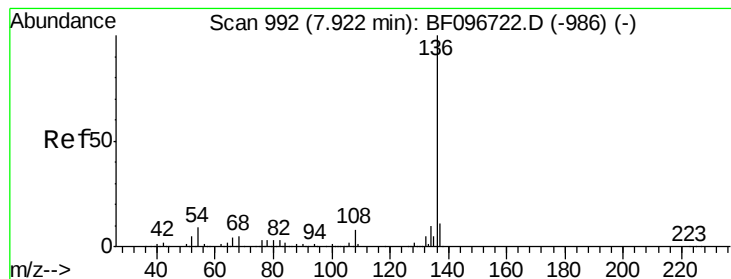
Tot Ion: 70 Resp: 9521
Ion Ratio Lower Upper
70 100
42 75.4 47.2 70.8#
101 9.0 7.2 10.8
130 20.8 15.9 23.9



#20
3+4-Methylphenols
Concen: 2.03 ng
RT: 7.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

Tgt Ion: 107 Resp: 13742
Ion Ratio Lower Upper
107 100
108 89.3 71.0 111.0
77 45.9 90.5 130.5#
79 25.5 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tot Ion:136 Resp: 419269

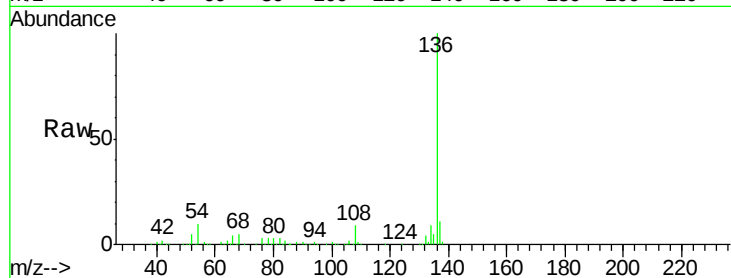
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.1 4.9 7.3#

68 4.8 4.1 6.1

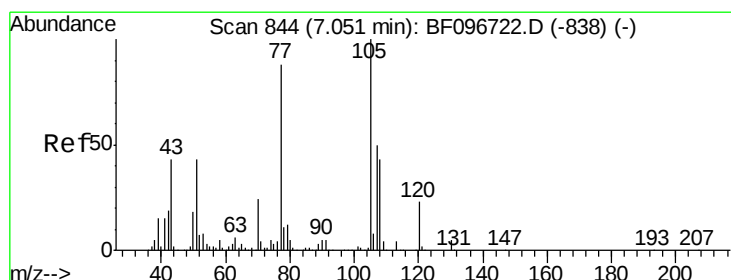
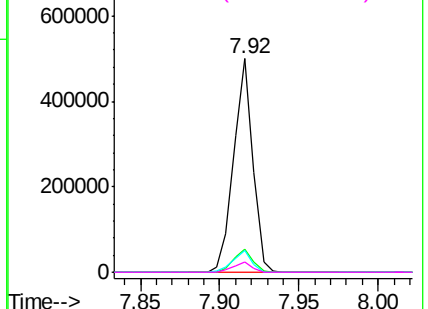
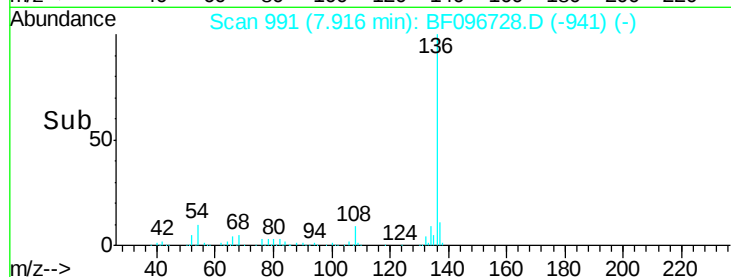


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 2.05 ng

RT: 7.04 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

Tgt Ion:105 Resp: 19247

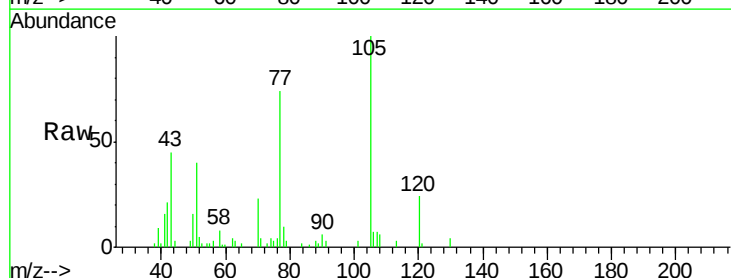
Ion Ratio Lower Upper

105 100

71 4.2 2.8 4.2#

51 40.1 30.7 46.1

120 24.3 17.4 26.0

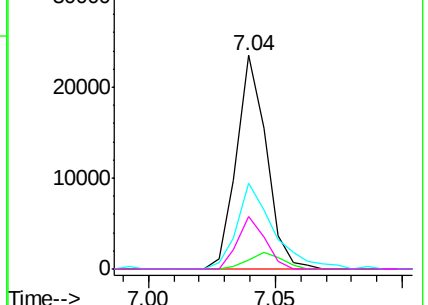
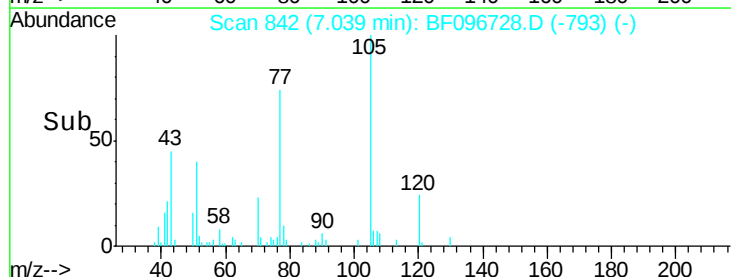


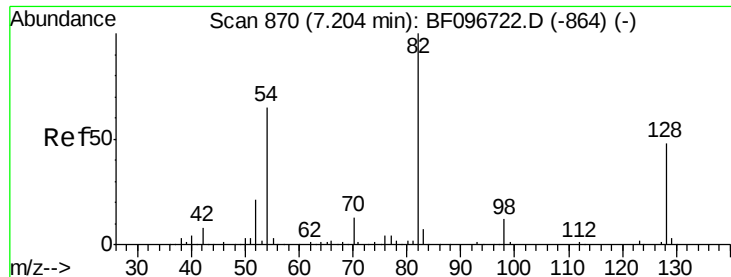
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

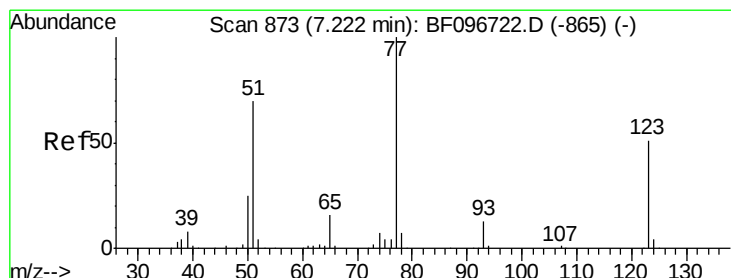
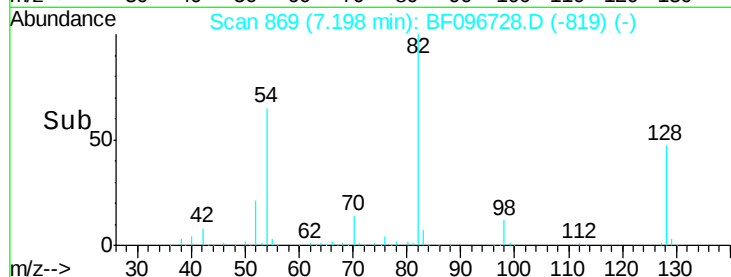
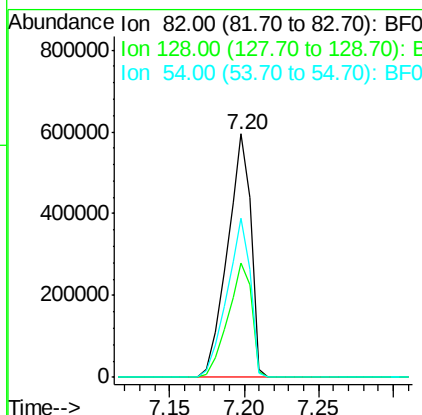
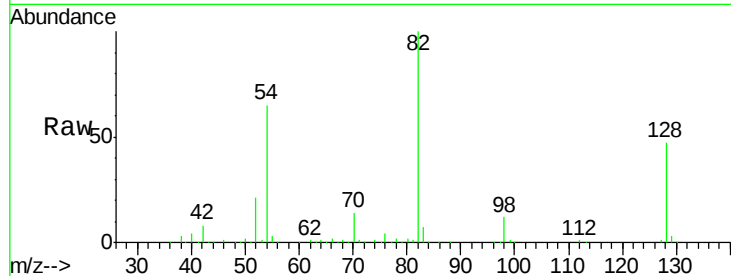




#23
 Nitrobenzene-d5
 Concen: 97.98 ng
 RT: 7.20 min Scan# 869
 Delta R.T. -0.01 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

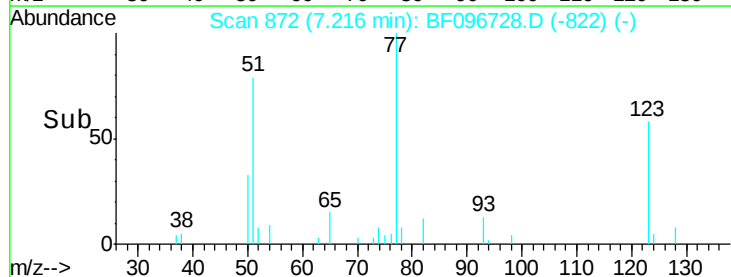
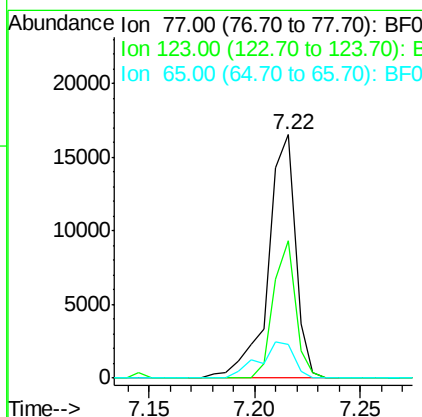
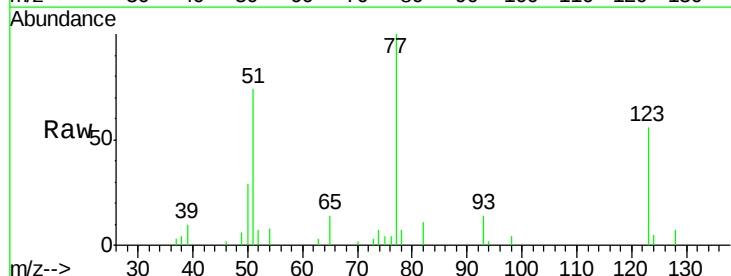
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

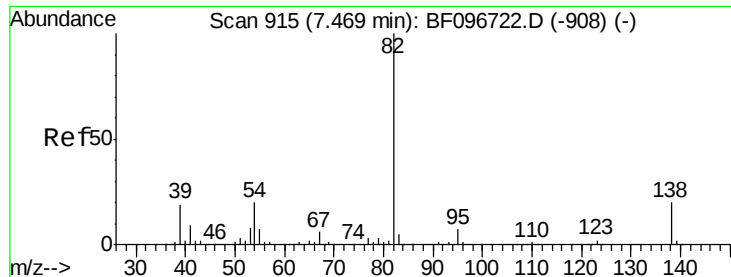
Tot Ion: 82 Resp: 663180
 Ion Ratio Lower Upper
 82 100
 128 47.0 34.0 51.0
 54 65.3 42.2 63.2#



#24
 Nitrobenzene
 Concen: 2.13 ng
 RT: 7.22 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

Tgt Ion: 77 Resp: 14915
 Ion Ratio Lower Upper
 77 100
 123 56.5 35.8 53.8#
 65 13.6 10.6 15.8





#25

Isophorone

Concen: 1.88 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

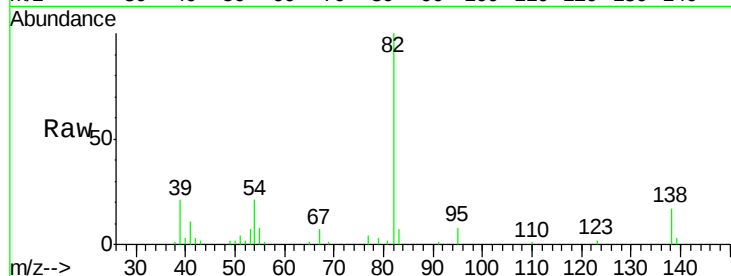
Tot Ion: 82 Resp: 23685

Ion Ratio Lower Upper

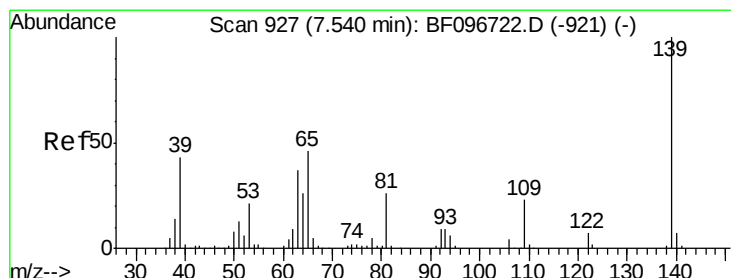
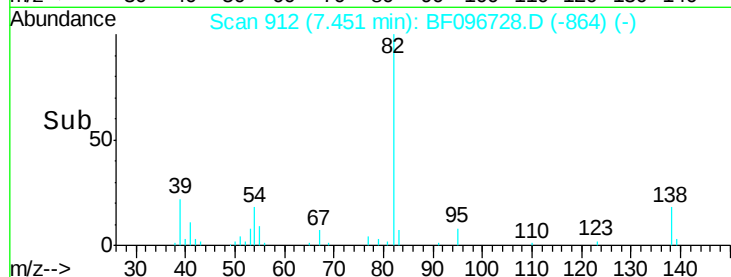
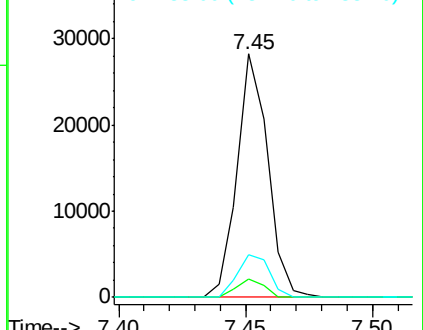
82 100

95 7.5 5.3 7.9

138 17.4 13.1 19.7



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 1.72 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

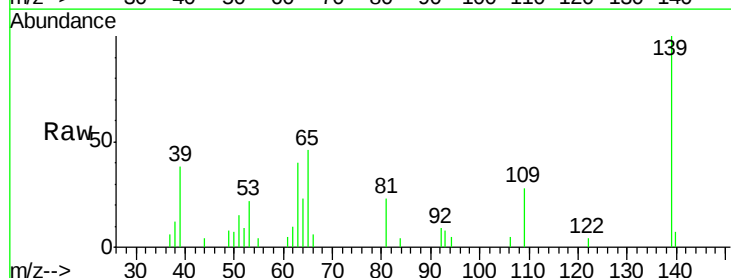
Tgt Ion: 139 Resp: 6688

Ion Ratio Lower Upper

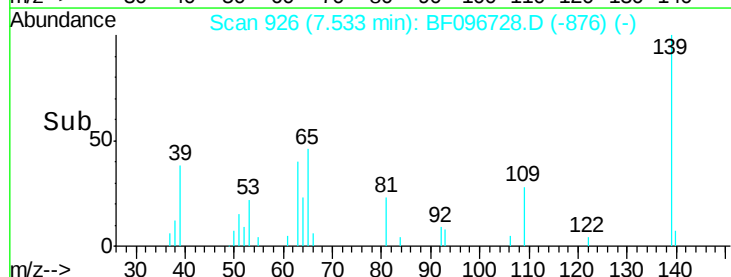
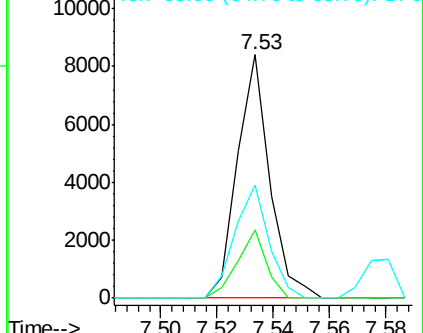
139 100

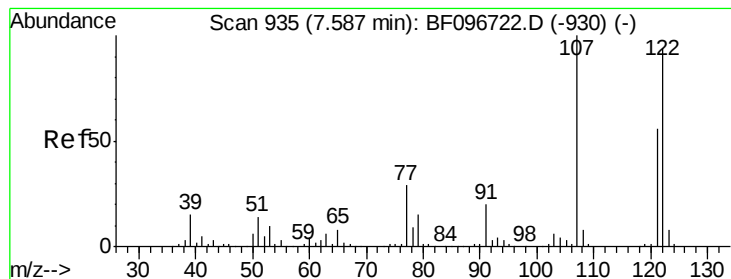
109 27.8 21.0 31.6

65 46.4 33.0 49.6



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 1.82 ng

RT: 7.57 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

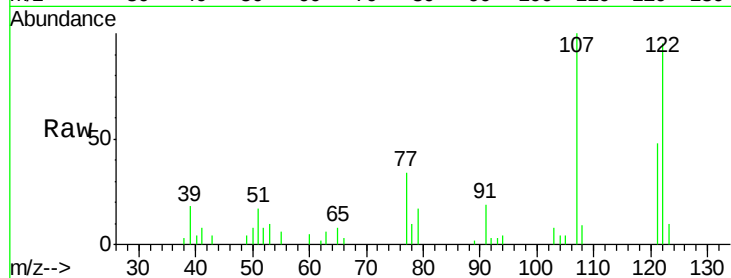
Tot Ion:122 Resp: 11623

Ion Ratio Lower Upper

122 100

107 105.8 89.2 133.8

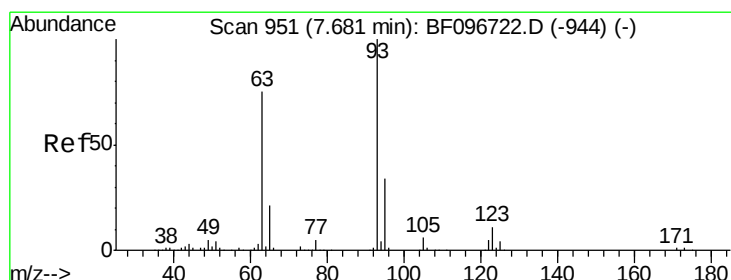
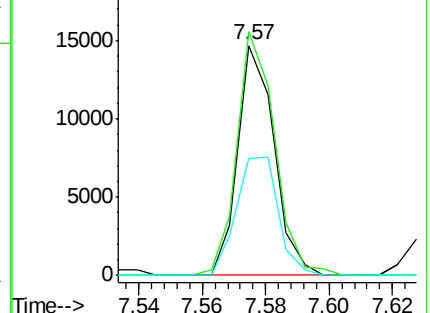
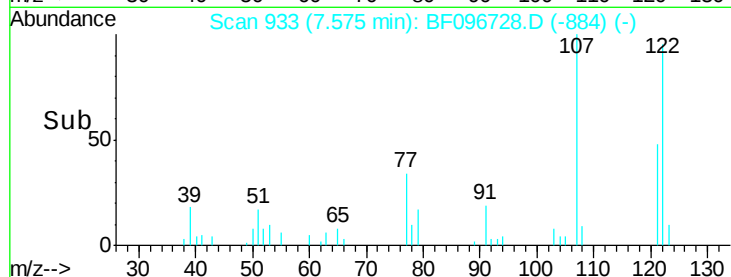
121 50.7 45.2 67.8



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: 1.88 ng

RT: 7.67 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

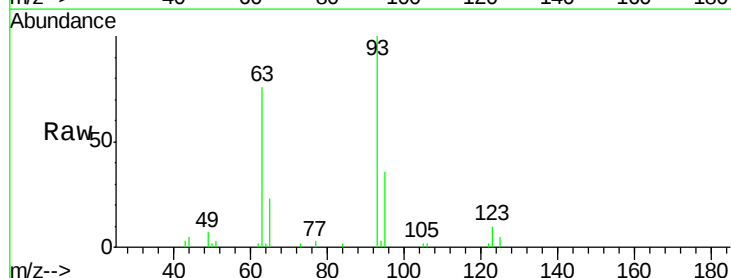
Tgt Ion: 93 Resp: 16017

Ion Ratio Lower Upper

93 100

95 35.9 26.5 39.7

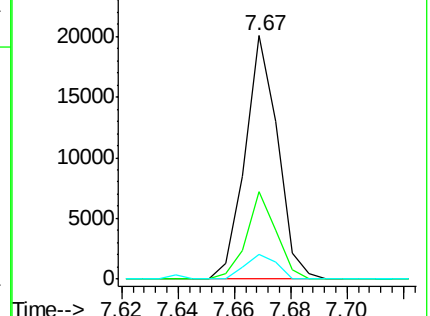
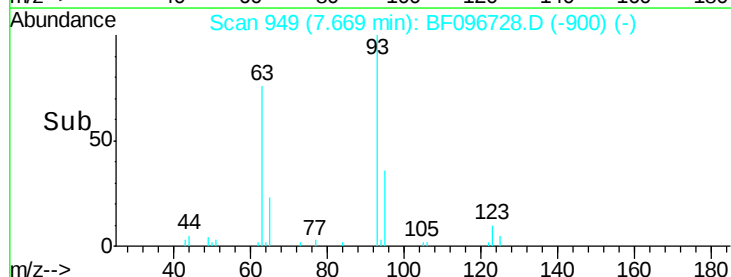
123 10.2 9.0 13.4

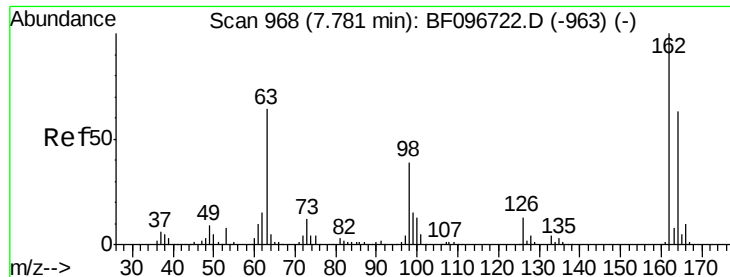


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

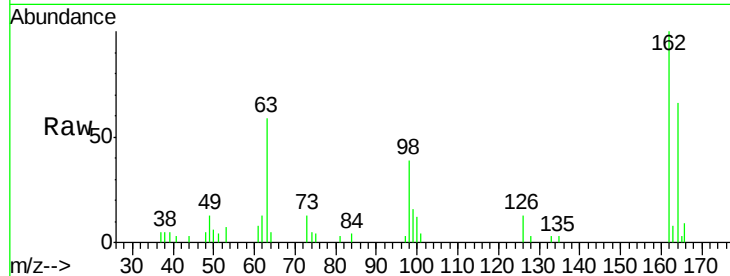




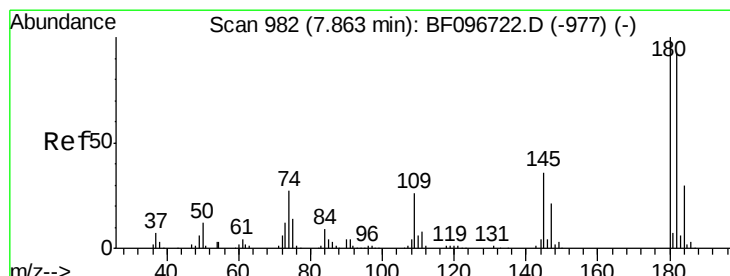
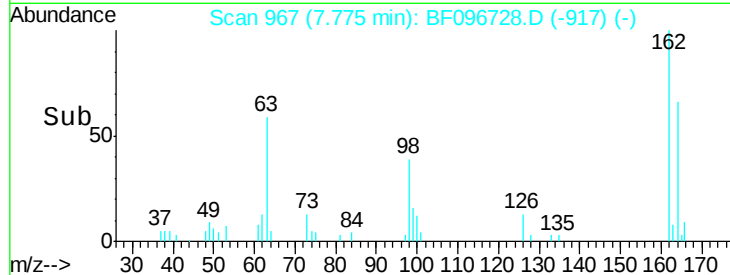
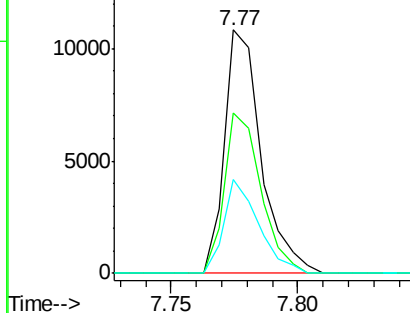
#29
2,4-Dichlorophenol
Concen: 1.88 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

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

Tot Ion:162 Resp: 10910
Ion Ratio Lower Upper
162 100
164 65.7 44.6 84.6
98 38.6 14.8 54.8

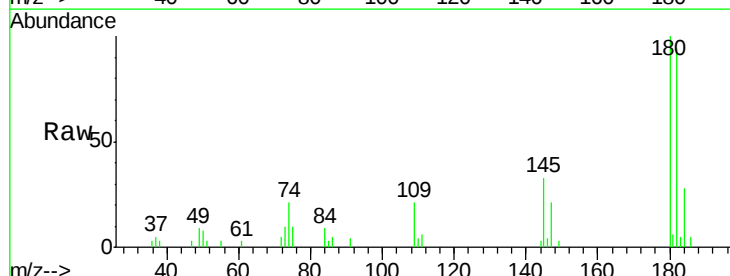


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

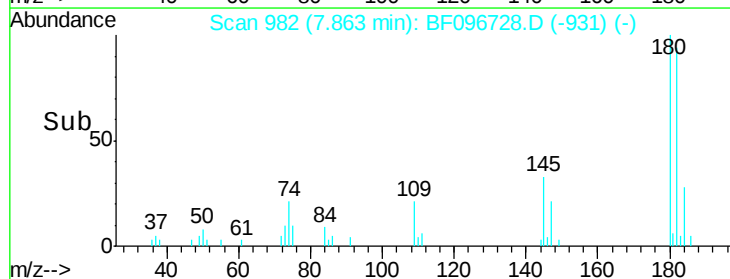
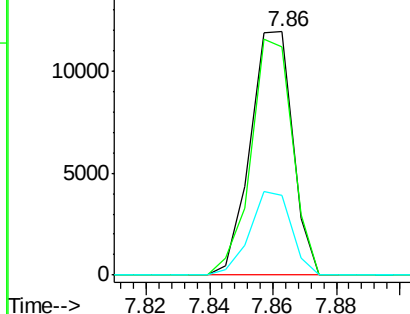


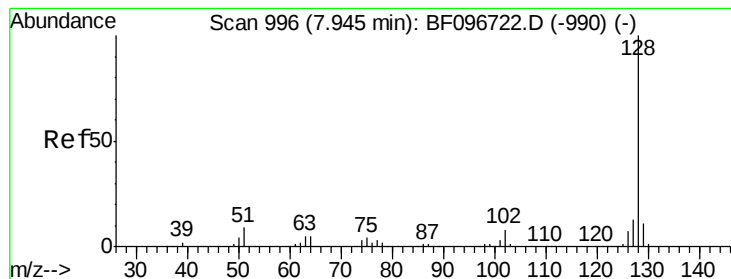
#30
1,2,4-Trichlorobenzene
Concen: 2.02 ng
RT: 7.86 min Scan# 982
Delta R.T. -0.00 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

Tgt Ion:180 Resp: 11111
Ion Ratio Lower Upper
180 100
182 93.7 75.8 113.6
145 32.9 25.3 37.9



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: 2.07 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

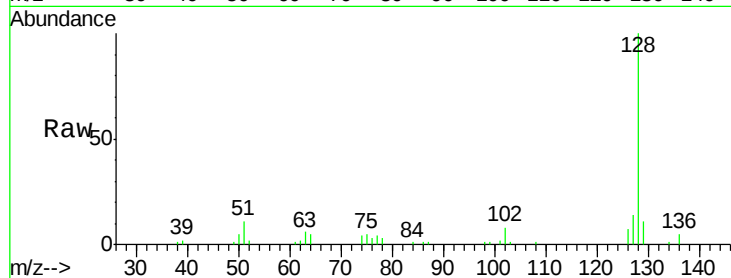
Tot Ion:128 Resp: 41040

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

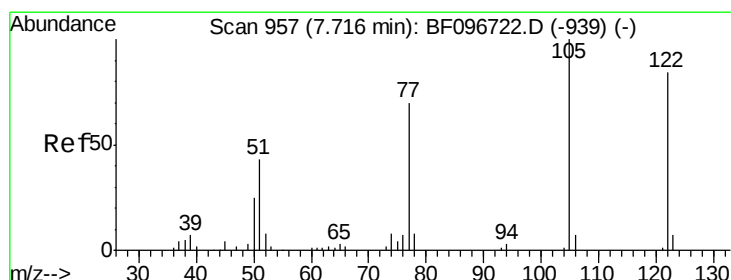
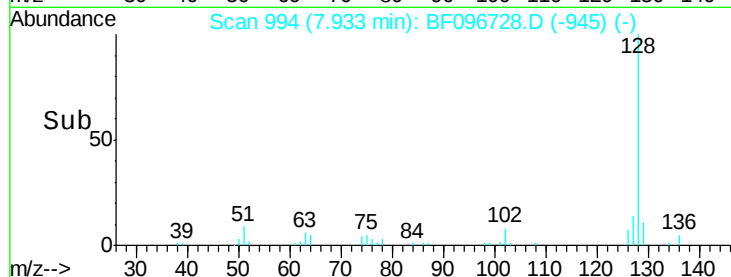
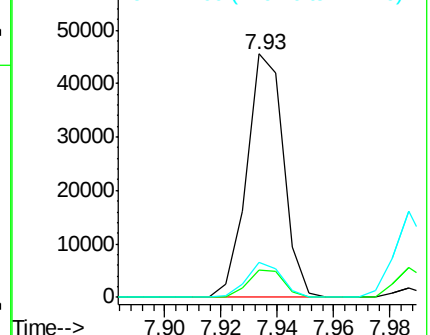
127 14.2 10.8 16.2



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: 1.30 ng

RT: 7.63 min Scan# 943

Delta R.T. -0.08 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

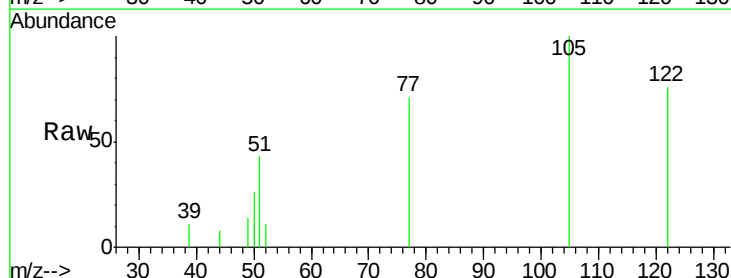
Tgt Ion:122 Resp: 5314

Ion Ratio Lower Upper

122 100

105 131.7 103.3 143.3

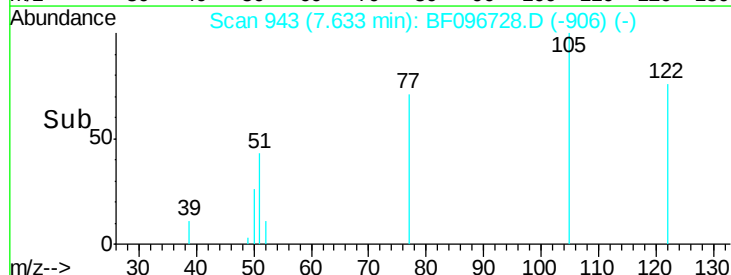
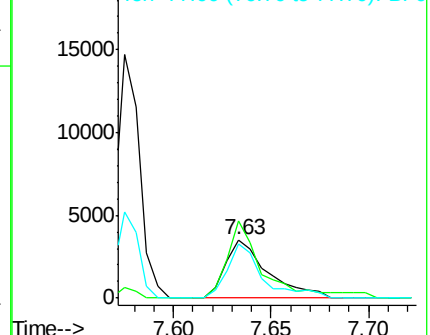
77 93.3 73.7 113.7

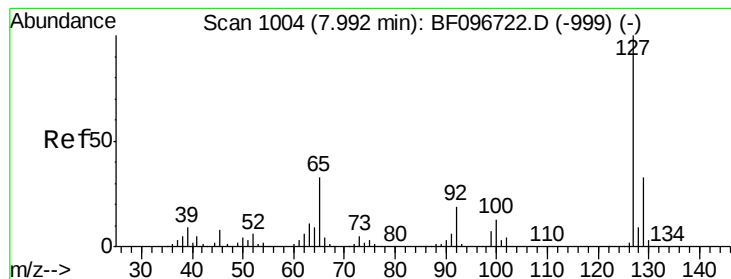


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 1.78 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tot Ion:127 Resp: 14004

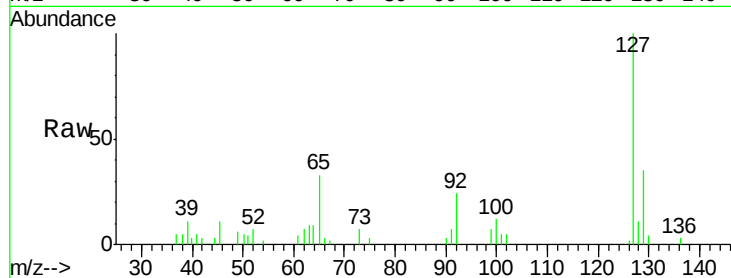
Ion Ratio Lower Upper

127 100

129 35.3 26.2 39.2

65 32.9 27.8 41.8

92 23.7 16.8 25.2

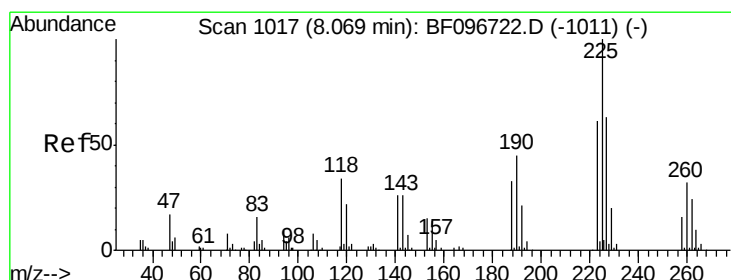
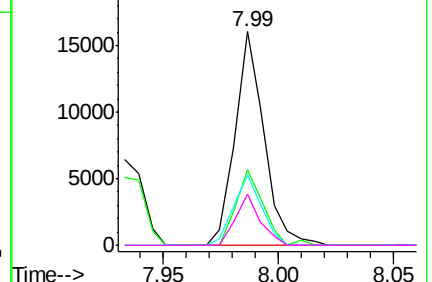
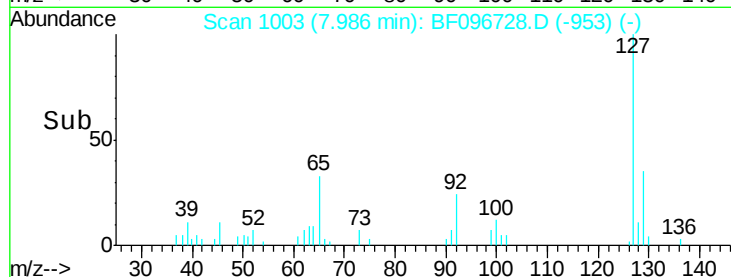


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 2.17 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

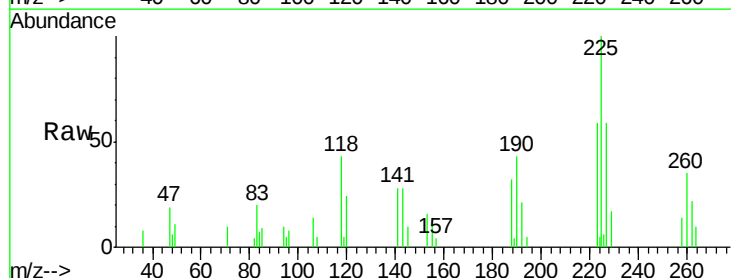
Tgt Ion:225 Resp: 6374

Ion Ratio Lower Upper

225 100

223 56.0 48.8 73.2

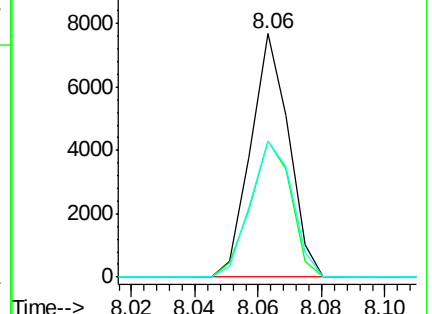
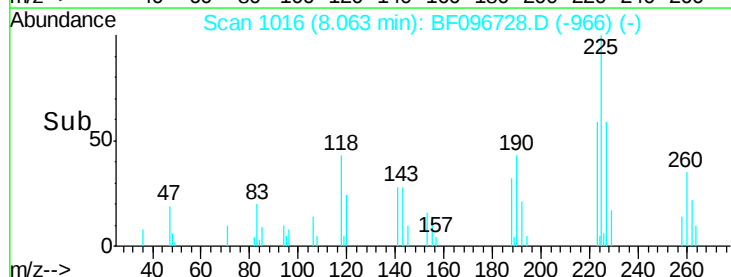
227 55.8 51.1 76.7

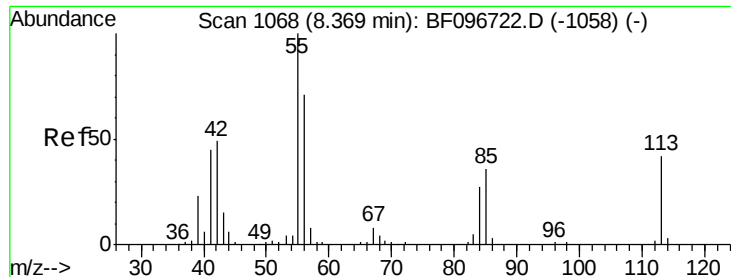


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 1.82 ng

RT: 8.31 min Scan# 1058

Delta R.T. -0.06 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

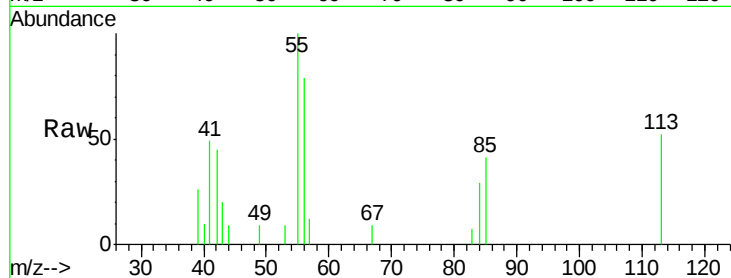
Tot Ion:113 Resp: 3381

Ion Ratio Lower Upper

113 100

55 193.4 150.2 190.2#

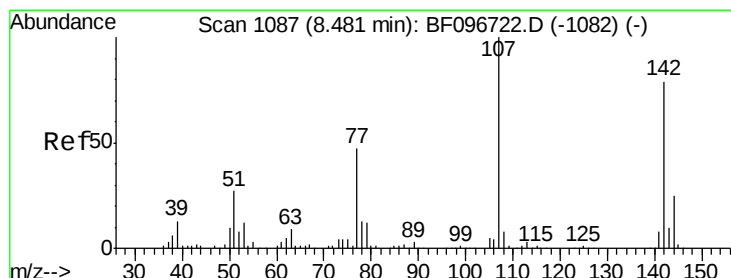
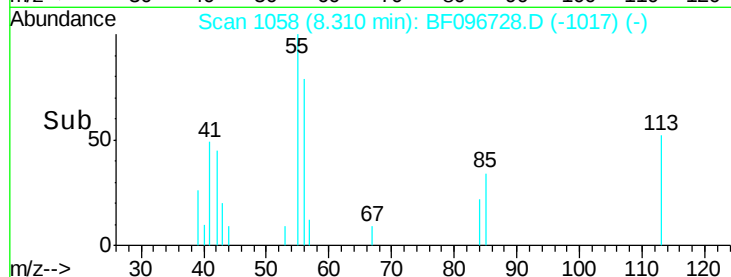
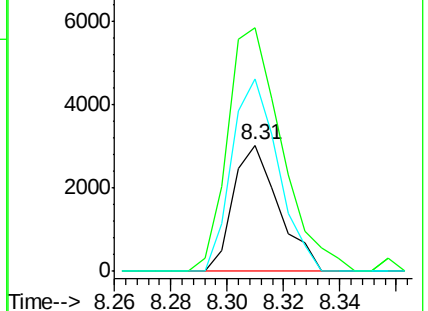
56 152.7 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 1.85 ng

RT: 8.47 min Scan# 1085

Delta R.T. -0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

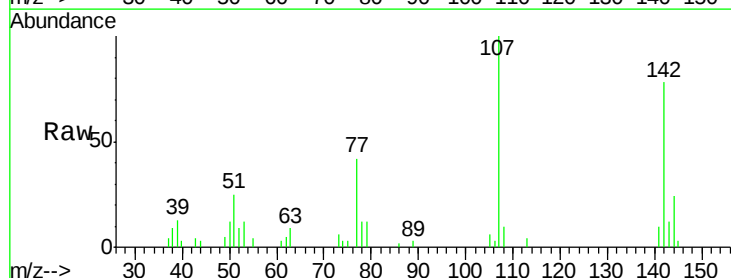
Tgt Ion:107 Resp: 11510

Ion Ratio Lower Upper

107 100

144 24.4 24.2 36.4

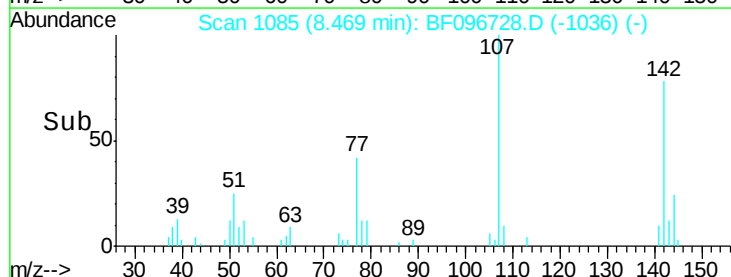
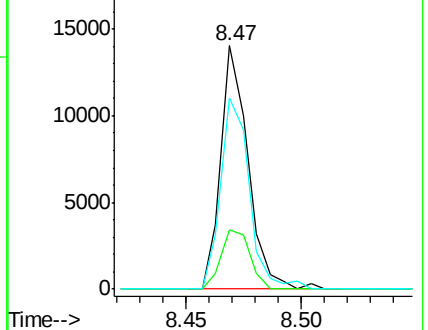
142 78.4 73.4 110.0

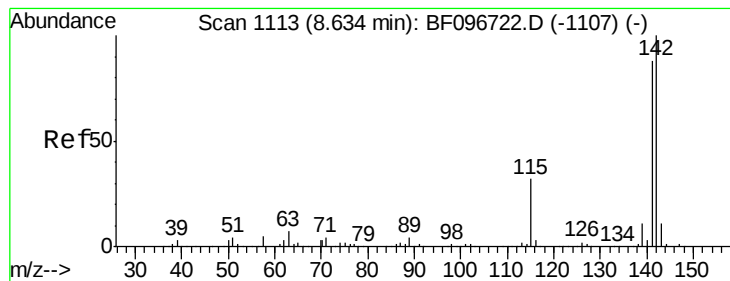


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 2.04 ng

RT: 8.63 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

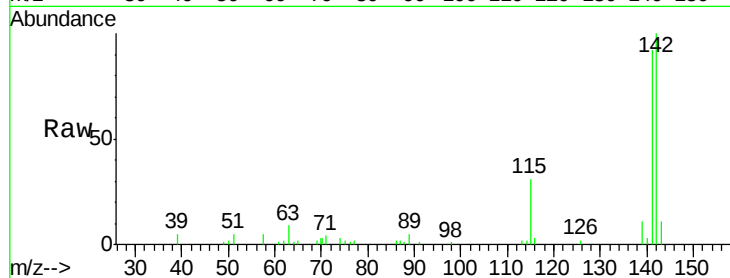
Tot Ion:142 Resp: 25828

Ion Ratio Lower Upper

142 100

141 91.9 71.3 106.9

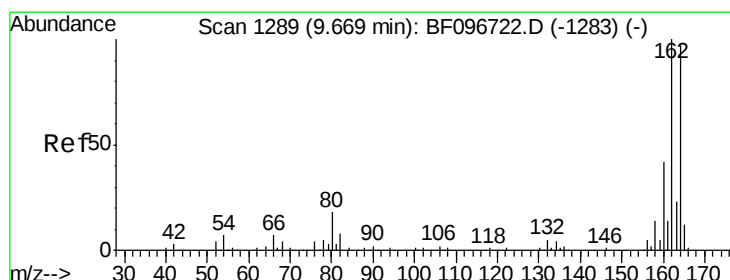
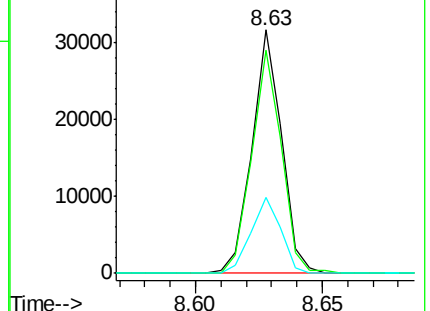
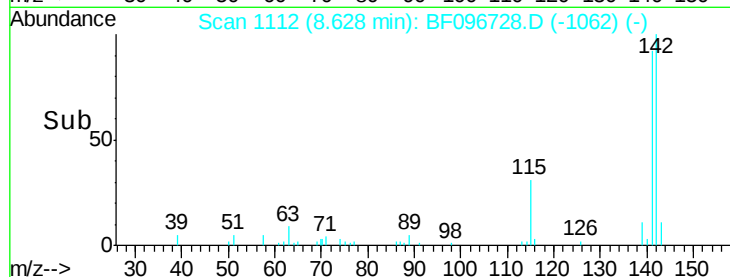
115 31.2 27.1 40.7



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: 20.00 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

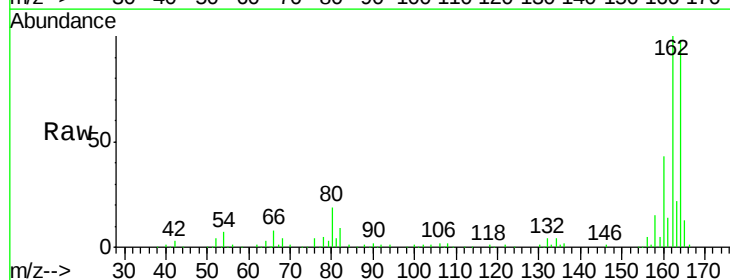
Tgt Ion:164 Resp: 191051

Ion Ratio Lower Upper

164 100

162 102.4 82.6 123.8

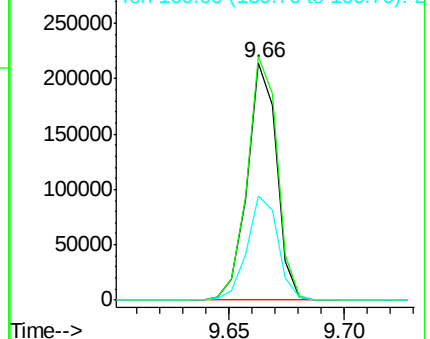
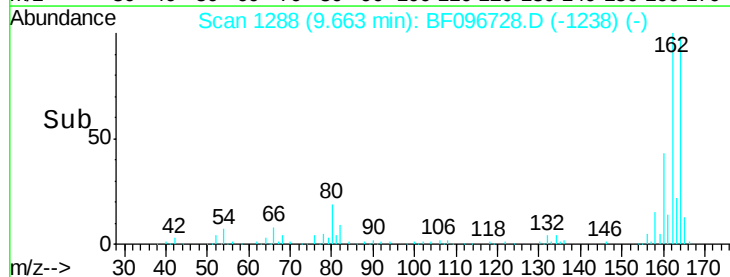
160 43.6 36.2 54.2

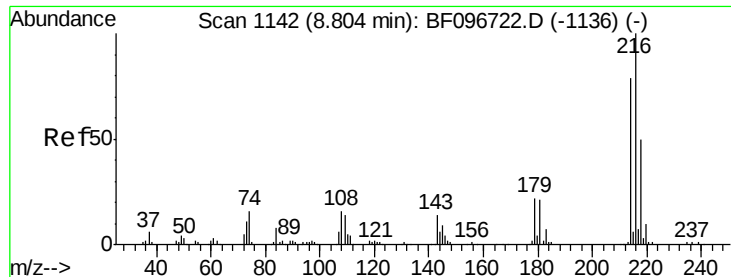


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

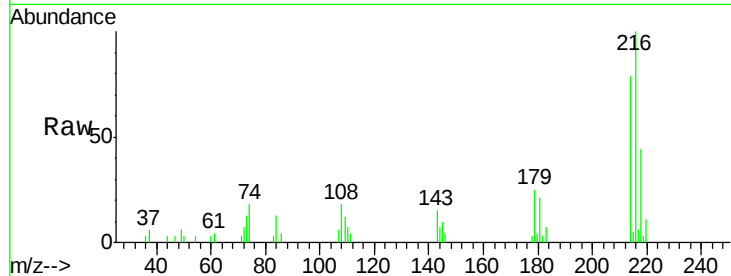




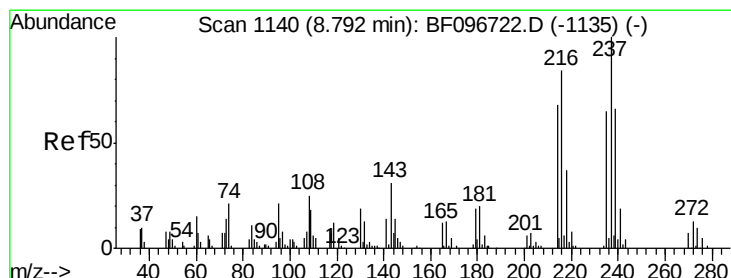
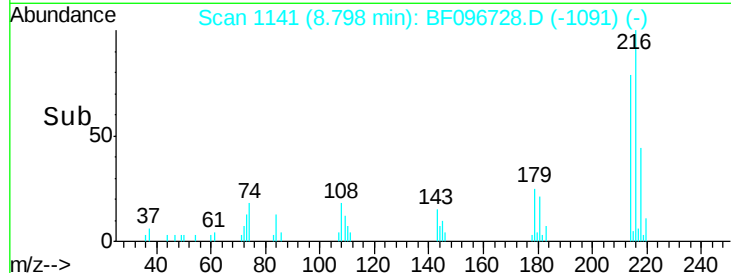
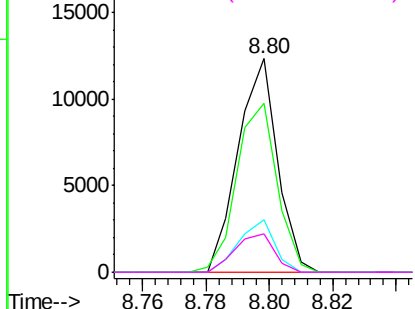
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 2.04 ng
 RT: 8.80 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

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

Tot Ion:216	Resp:	10559
Ion Ratio	Lower	Upper
216	100	
214	81.9	63.4 95.2
179	22.8	17.9 26.9
108	18.0	16.5 24.7

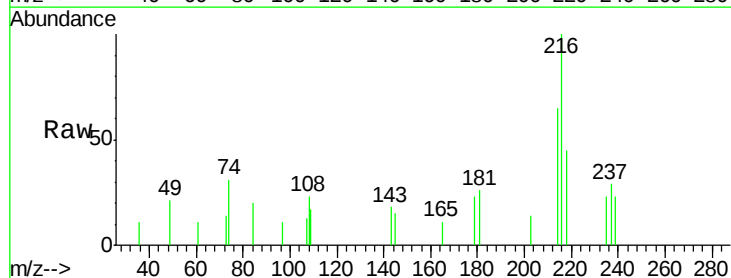


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

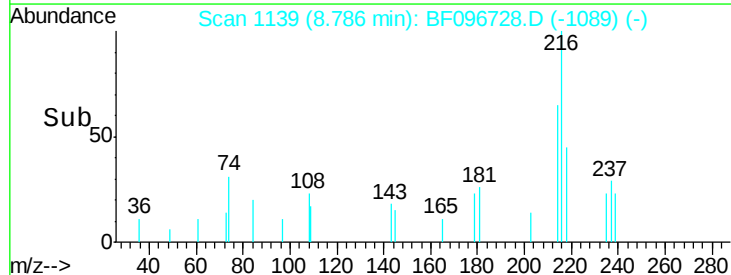
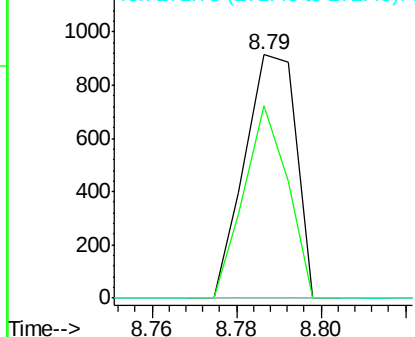


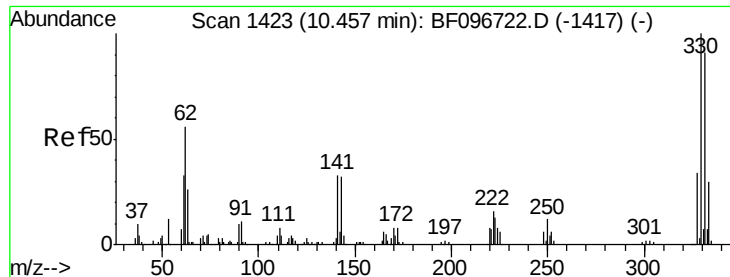
#40
 Hexachlorocyclopentadiene
 Concen: 5.36 ng
 RT: 8.79 min Scan# 1139
 Delta R.T. -0.01 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

Tgt Ion:237	Resp:	776
Ion Ratio	Lower	Upper
237	100	
235	79.2	42.6 82.6
272	0.0	0.0 31.9



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

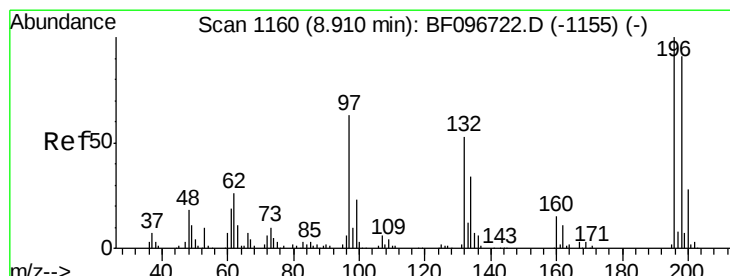
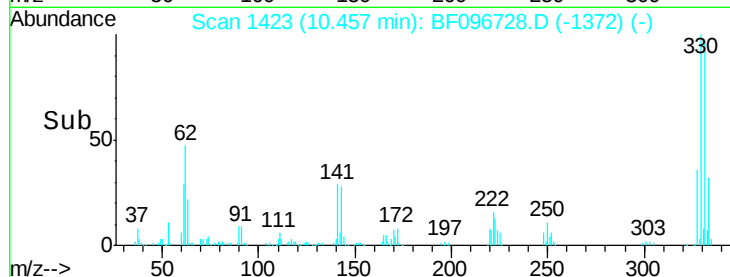
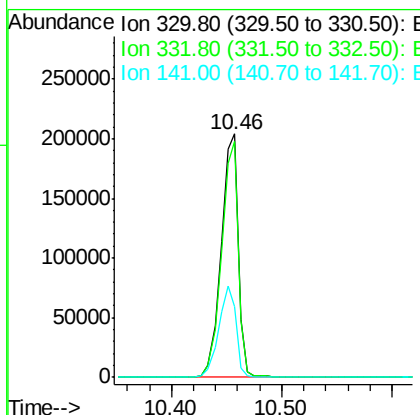
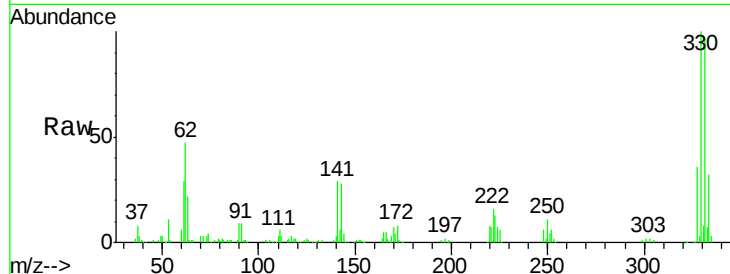




#41
 2,4,6-Tribromophenol
 Concen: 135.42 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.00 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

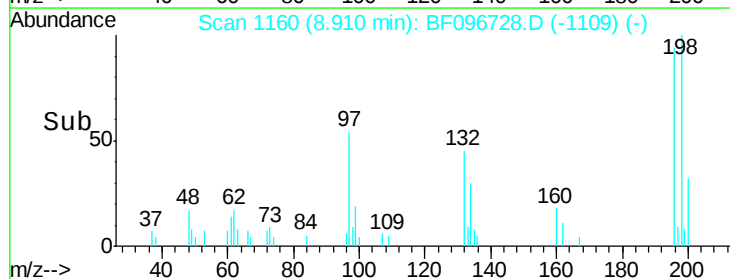
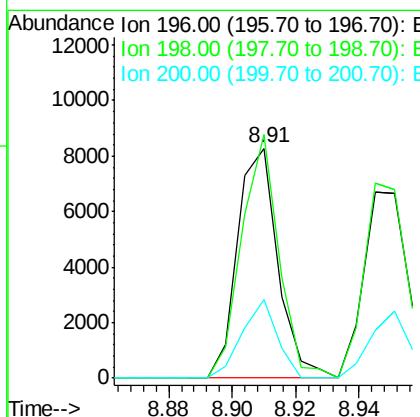
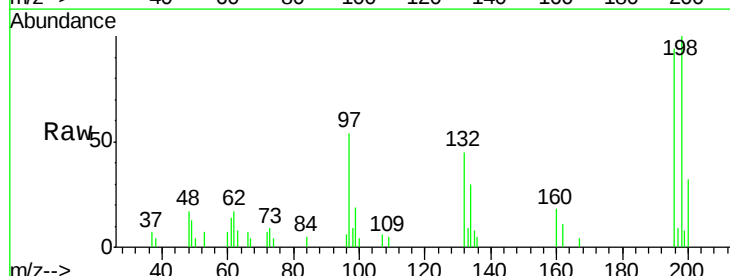
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

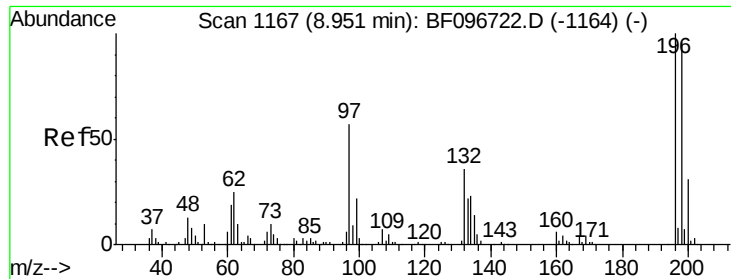
Tot Ion:330 Resp: 220848
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.6 115.0
 141 37.6 31.4 47.2



#42
 2,4,6-Trichlorophenol
 Concen: 1.91 ng
 RT: 8.91 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

Tgt Ion:196 Resp: 7279
 Ion Ratio Lower Upper
 196 100
 198 106.0 74.2 111.4
 200 34.2 24.0 36.0

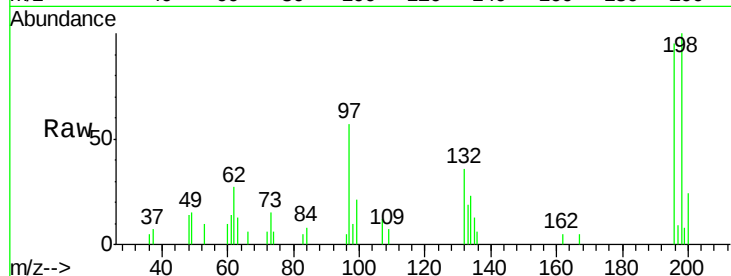




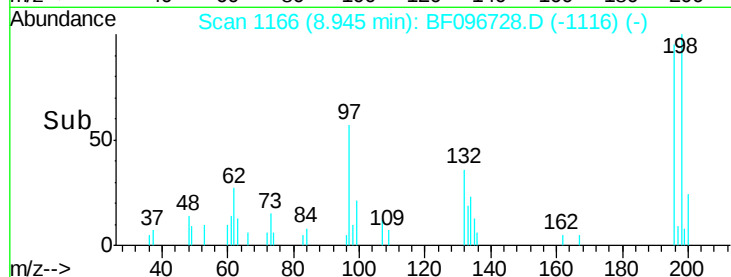
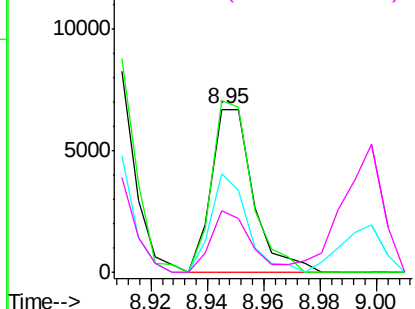
#43
 2,4,5-Trichlorophenol
 Concen: 1.81 ng
 RT: 8.95 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

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

Tot Ion:196 Resp: 6941
 Ion Ratio Lower Upper
 196 100
 198 104.9 75.7 113.5
 97 60.1 47.7 71.5
 132 38.0 28.0 42.0

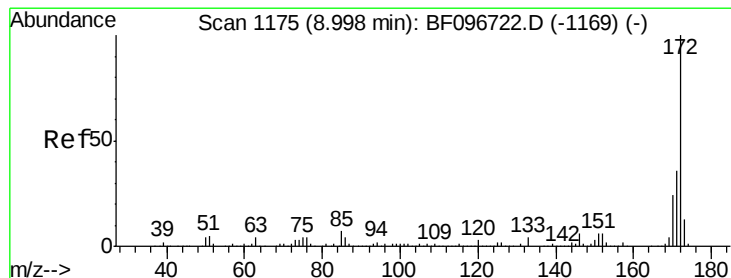


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

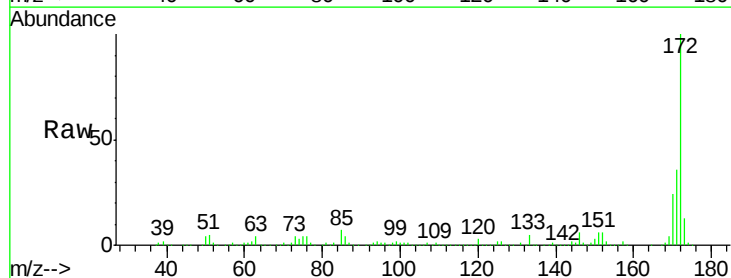
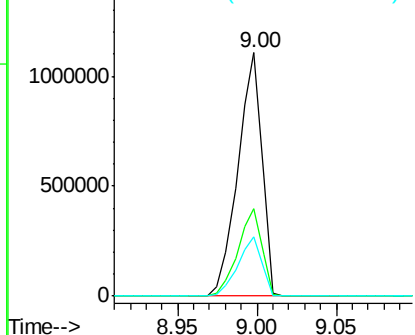


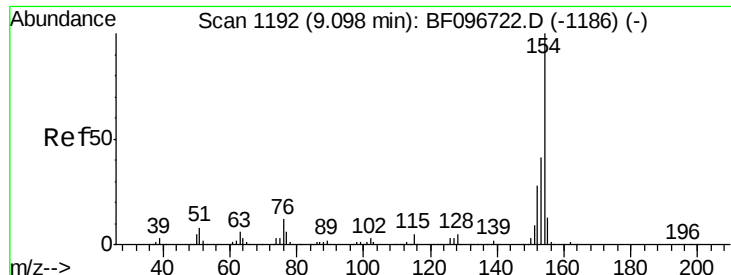
#44
 2-Fluorobiphenyl
 Concen: 95.63 ng
 RT: 9.00 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

Tgt Ion:172 Resp: 1156425
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 24.5 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

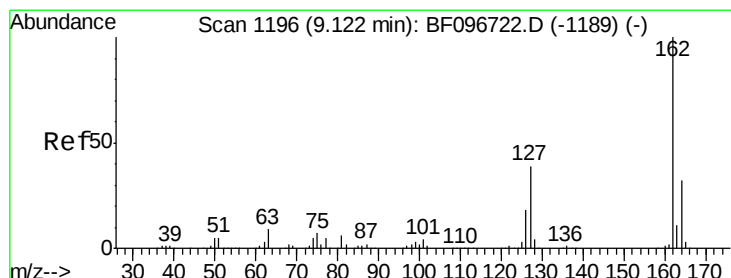
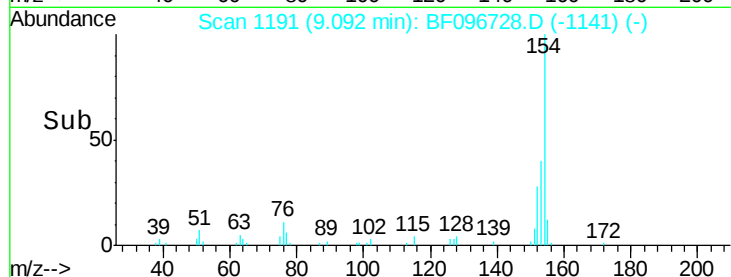
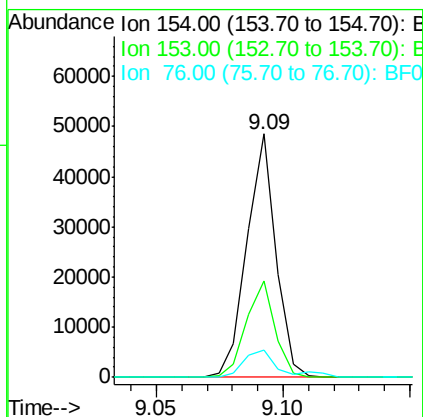
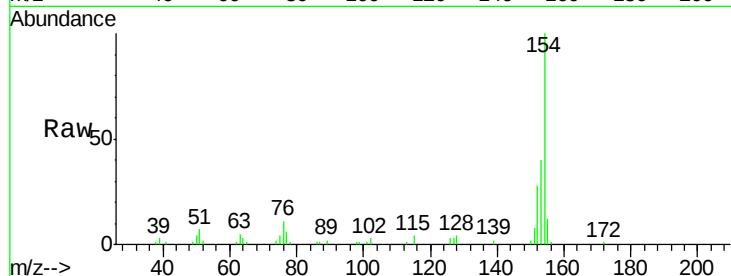




#45
 1,1'-Biphenyl
 Concen: 2.35 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

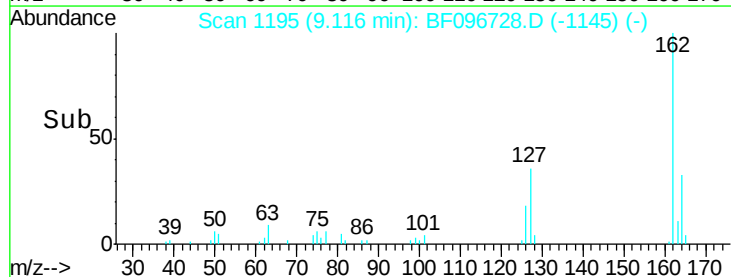
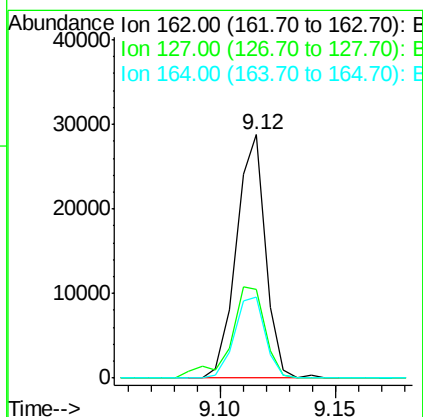
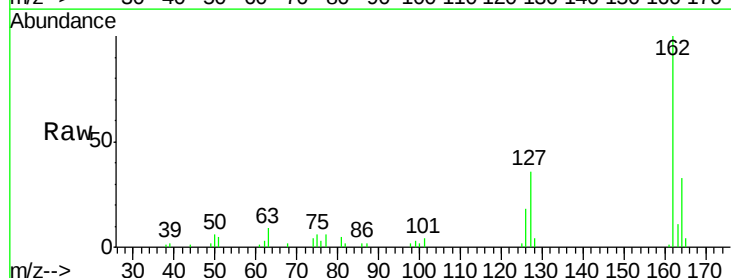
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

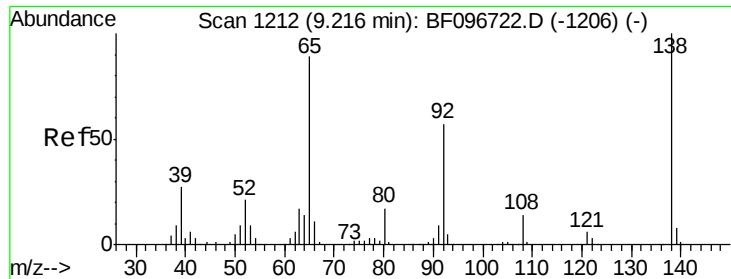
Tot Ion:154 Resp: 38534
 Ion Ratio Lower Upper
 154 100
 153 39.5 21.2 61.2
 76 11.3 0.0 29.9



#46
 2-Chloronaphthalene
 Concen: 2.10 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

Tgt Ion:162 Resp: 25393
 Ion Ratio Lower Upper
 162 100
 127 36.4 28.3 42.5
 164 33.2 27.0 40.4

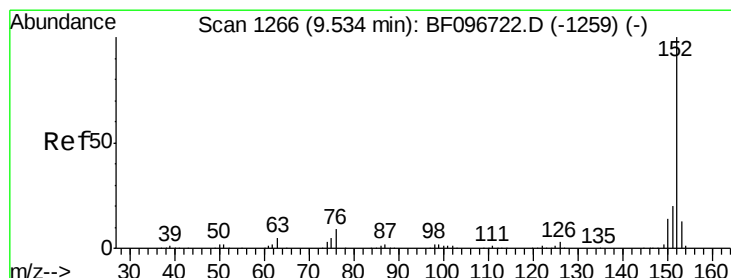
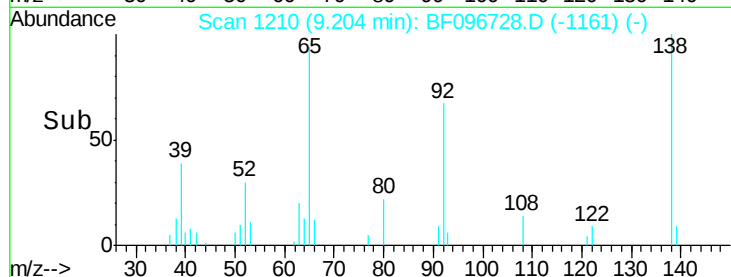
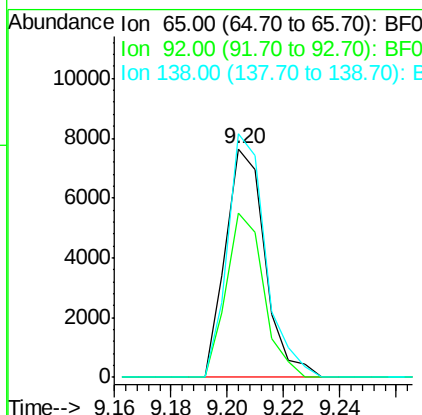
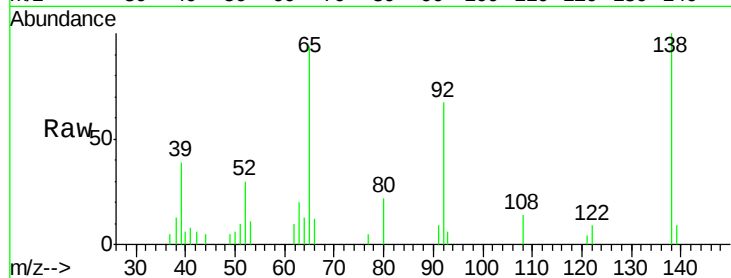




#47
2-Nitroaniline
Concen: 1.80 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

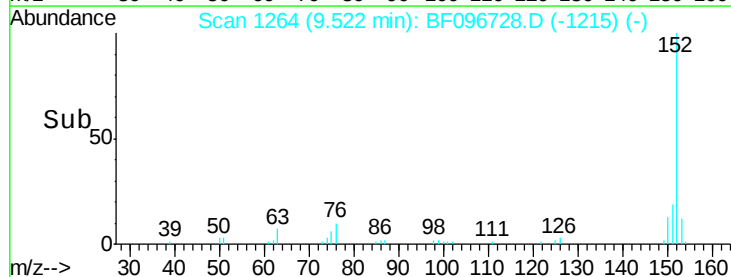
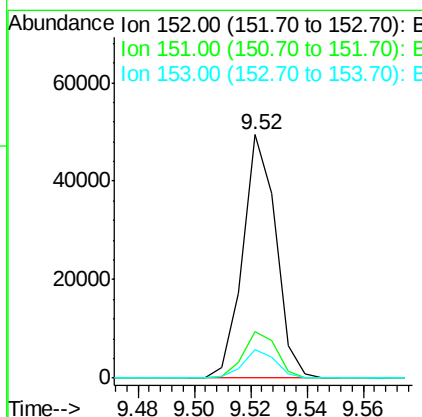
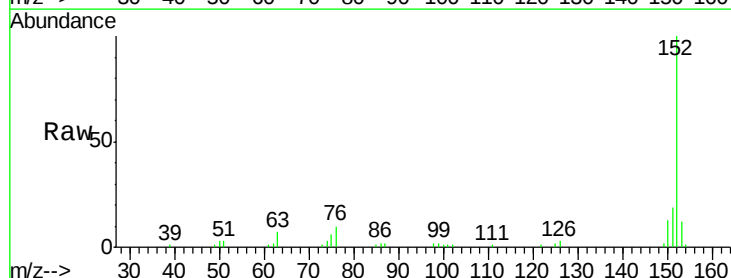
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

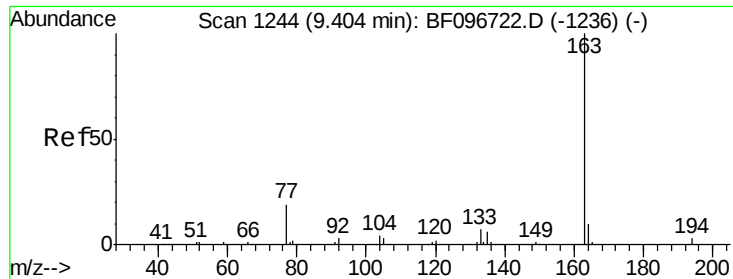
Tot Ion: 65 Resp: 7472
Ion Ratio Lower Upper
65 100
92 71.9 53.9 80.9
138 106.6 78.8 118.2



#48
Acenaphthylene
Concen: 2.09 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

Tgt Ion: 152 Resp: 40228
Ion Ratio Lower Upper
152 100
151 18.9 16.8 25.2
153 11.6 10.8 16.2

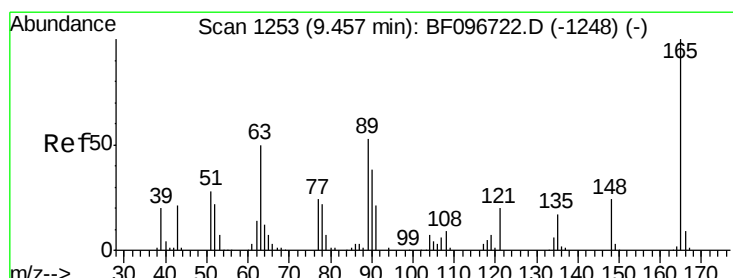
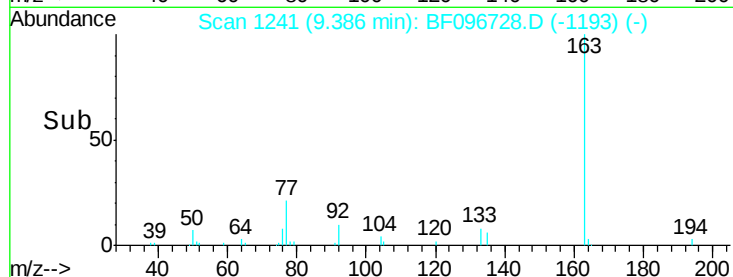
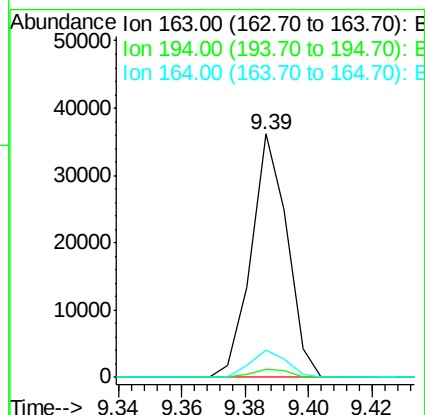
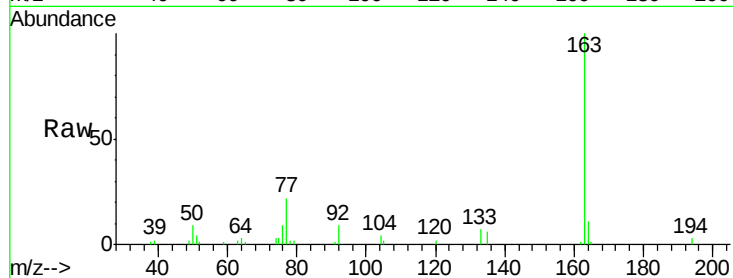




#49
Dimethylphthalate
Concen: 1.97 ng
RT: 9.39 min Scan# 1241
Delta R.T. -0.02 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

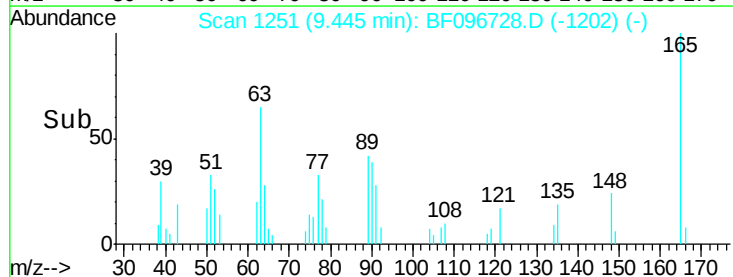
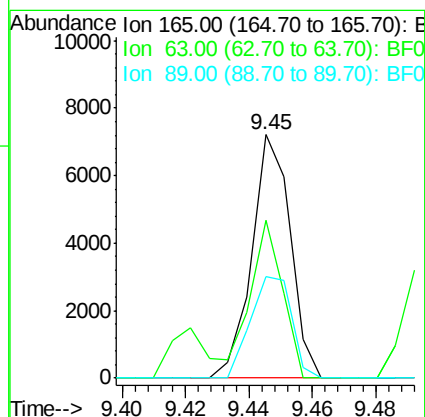
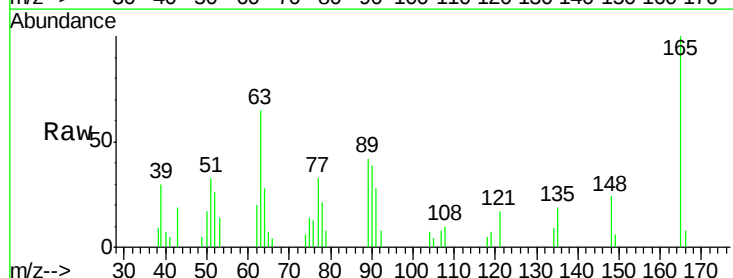
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

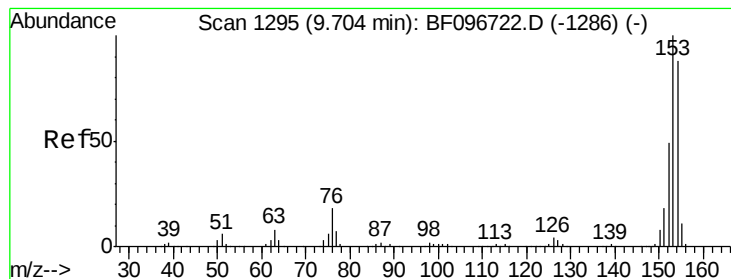
Tot Ion:163 Resp: 28407
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 11.3 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 1.95 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

Tgt Ion:165 Resp: 6072
Ion Ratio Lower Upper
165 100
63 64.6 34.3 51.5#
89 42.0 37.1 55.7





#51

Acenaphthene

Concen: 2.04 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

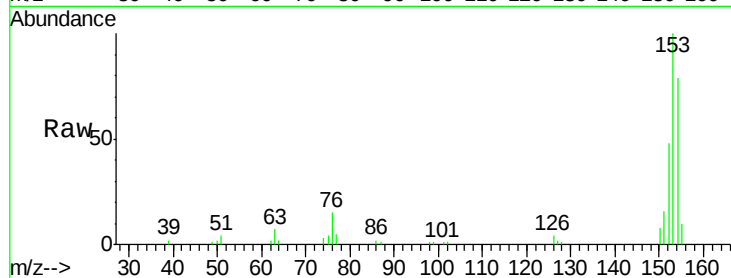
Tot Ion:154 Resp: 23160

Ion Ratio Lower Upper

154 100

153 126.2 90.5 135.7

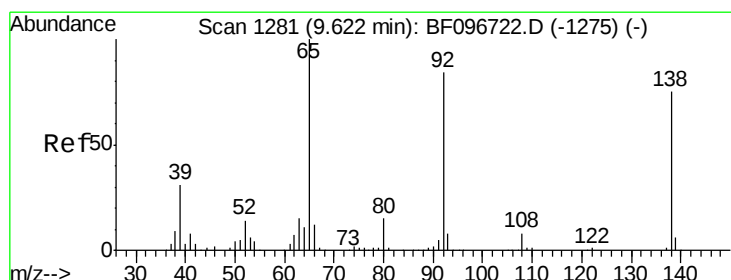
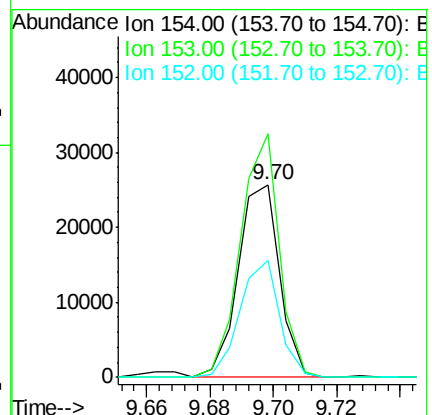
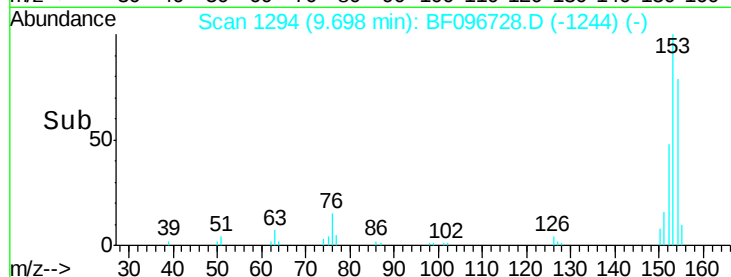
152 60.8 43.6 65.4



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: 1.84 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

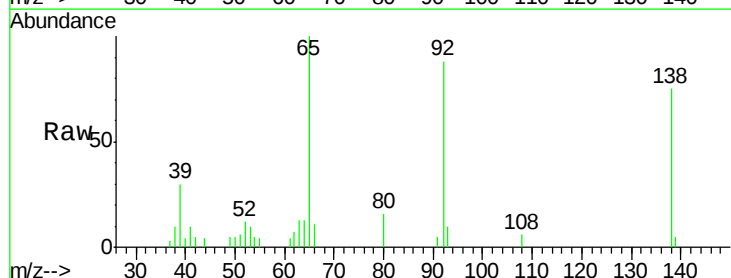
Tgt Ion:138 Resp: 6801

Ion Ratio Lower Upper

138 100

108 8.3 9.1 13.7#

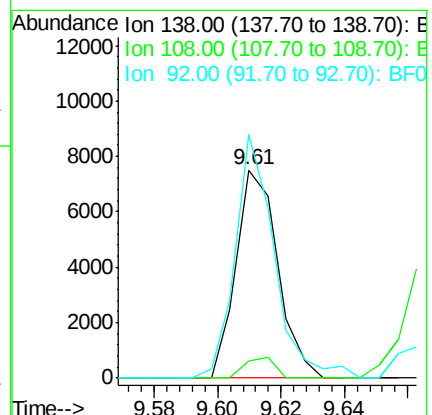
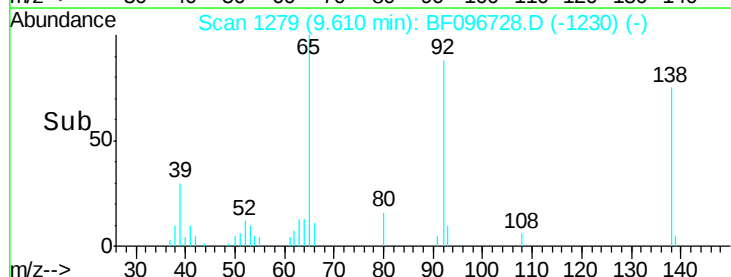
92 116.9 93.8 140.6

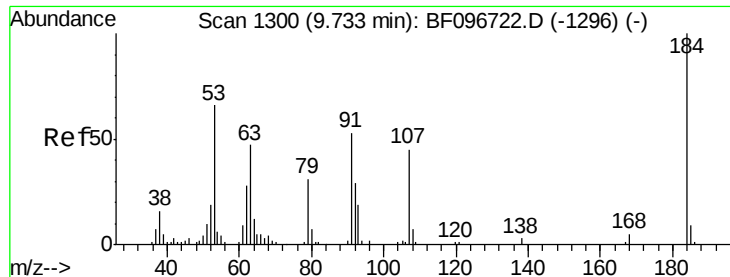


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

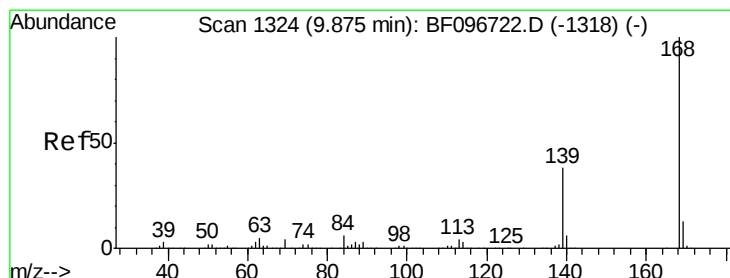
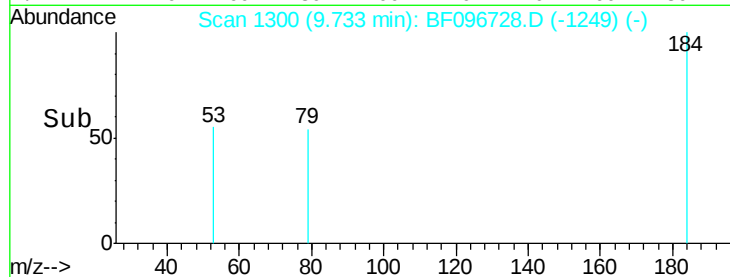
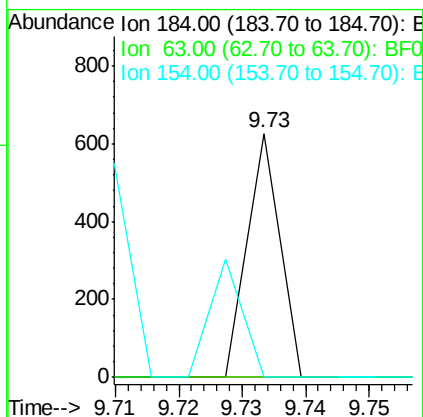
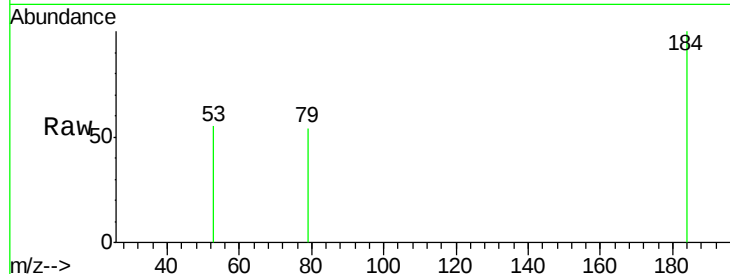




#53
 2,4-Dinitrophenol
 Concen: 6.87 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. 0.00 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

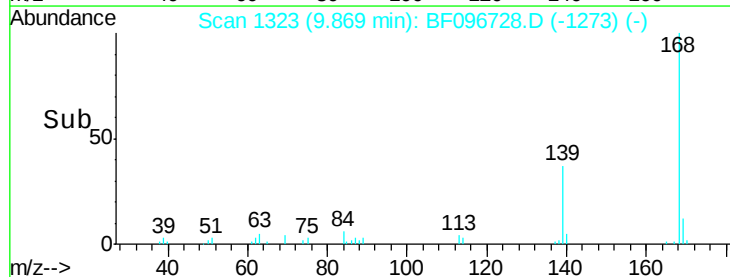
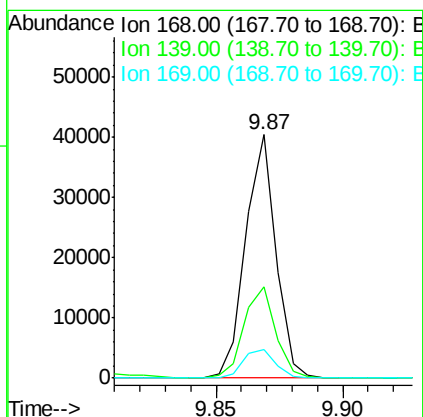
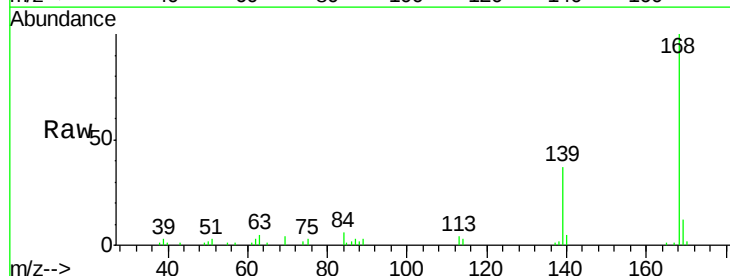
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

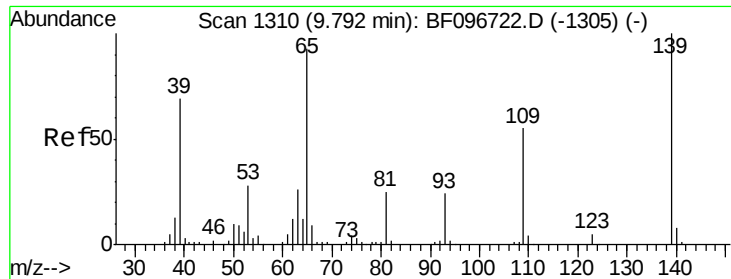
Tot Ion:184 Resp: 221
 Ion Ratio Lower Upper
 184 100
 63 0.0 62.7 94.1#
 154 0.0 81.1 121.7#



#54
 Dibenzofuran
 Concen: 2.11 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

Tgt Ion:168 Resp: 33592
 Ion Ratio Lower Upper
 168 100
 139 37.5 30.6 45.8
 169 12.0 10.8 16.2

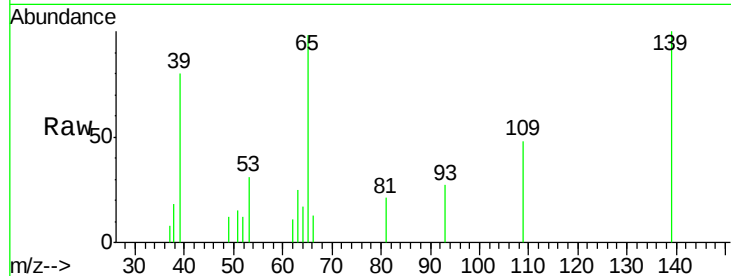




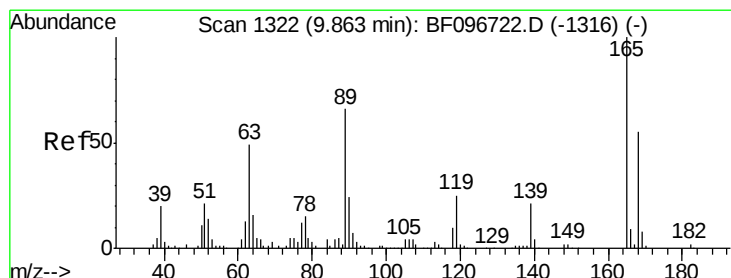
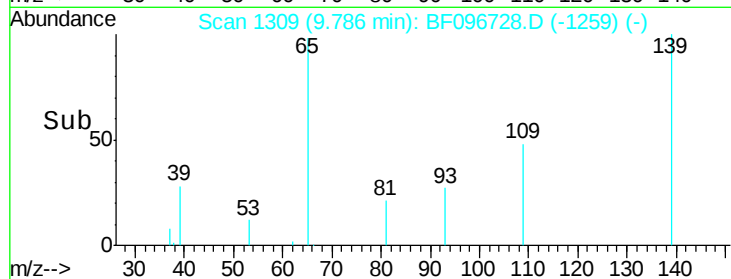
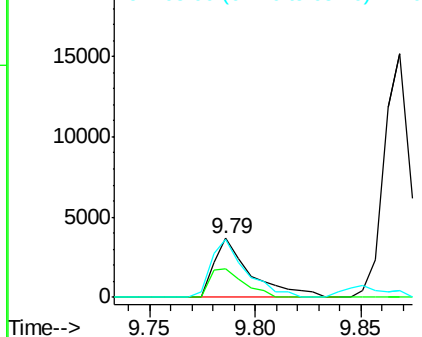
#55
4-Nitrophenol
Concen: 1.64 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

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

Tot Ion:139 Resp: 4425
Ion Ratio Lower Upper
139 100
109 48.3 34.1 74.1
65 97.9 31.4 71.4#

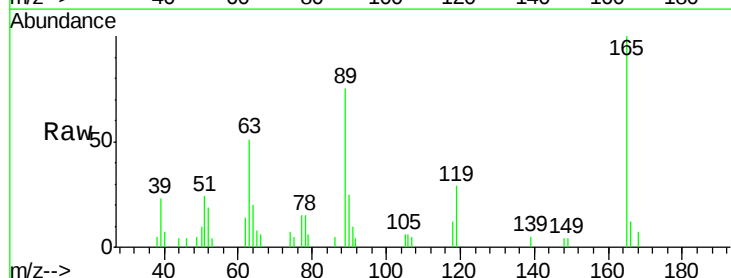


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

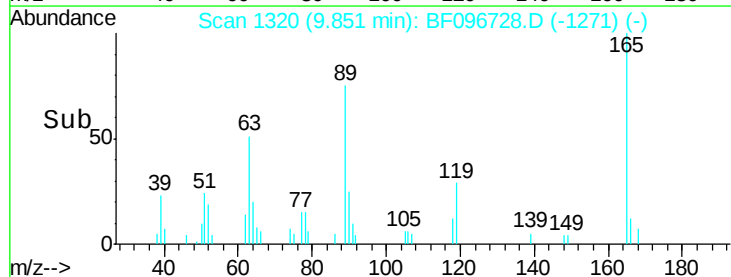
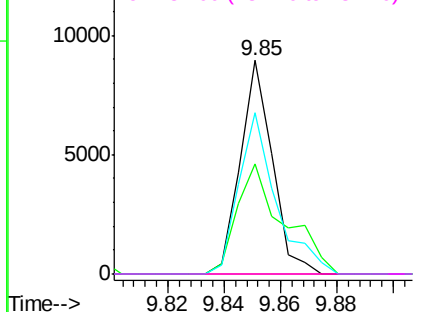


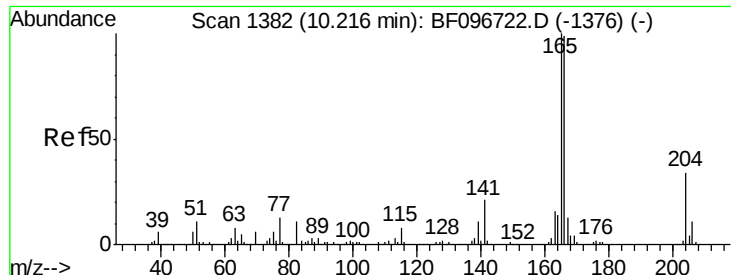
#56
2,4-Dinitrotoluene
Concen: 1.76 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

Tgt Ion:165 Resp: 7058
Ion Ratio Lower Upper
165 100
63 51.3 25.4 38.0#
89 75.4 46.4 69.6#
182 0.0 1.8 2.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

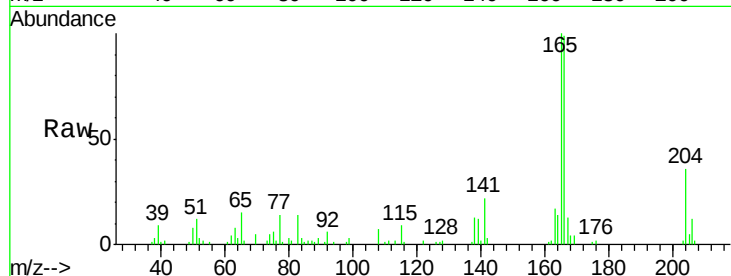




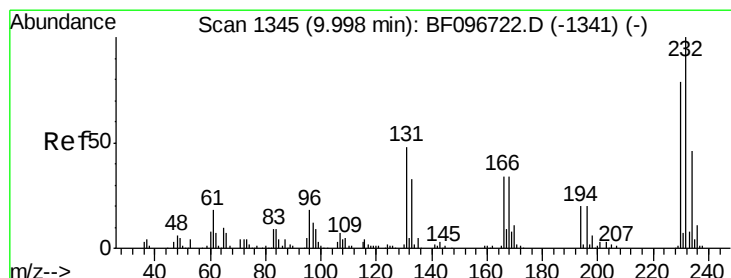
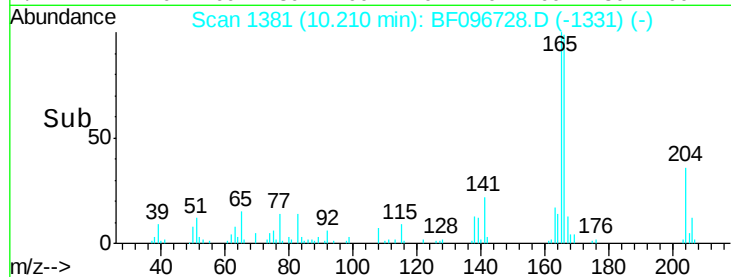
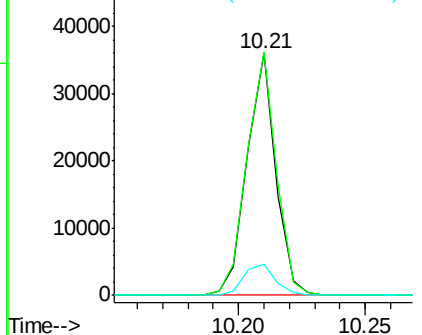
#57
 Fluorene
 Concen: 2.41 ng
 RT: 10.21 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

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

Tot Ion:166 Resp: 28314
 Ion Ratio Lower Upper
 166 100
 165 100.6 78.8 118.2
 167 12.8 10.6 16.0



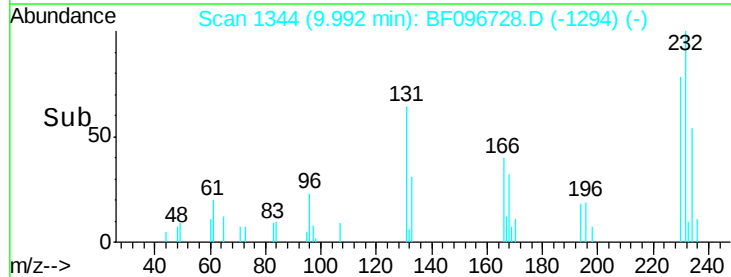
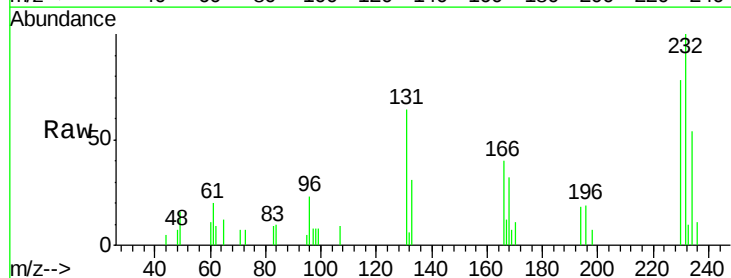
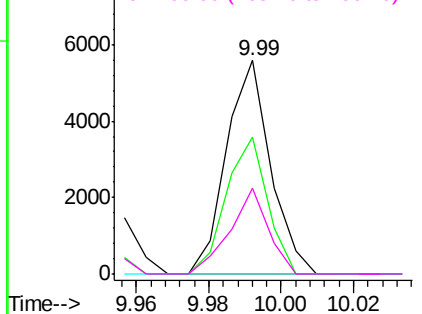
Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

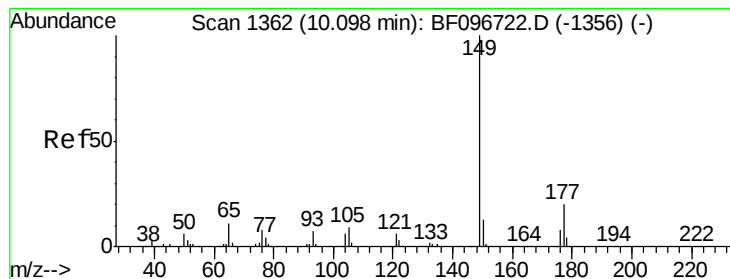


#58
 2,3,4,6-Tetrachlorophenol
 Concen: 1.78 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

Tgt Ion:232 Resp: 4741
 Ion Ratio Lower Upper
 232 100
 131 59.4 44.8 67.2
 130 0.0 2.3 3.5#
 166 35.0 29.0 43.4

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: 2.79 ng

RT: 10.09 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

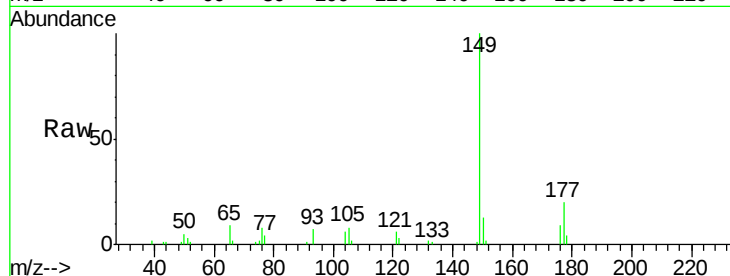
Tot Ion:149 Resp: 39091

Ion Ratio Lower Upper

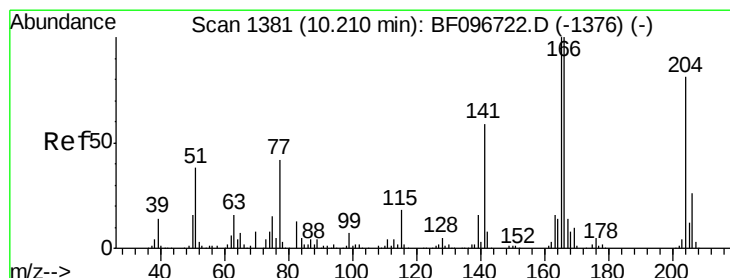
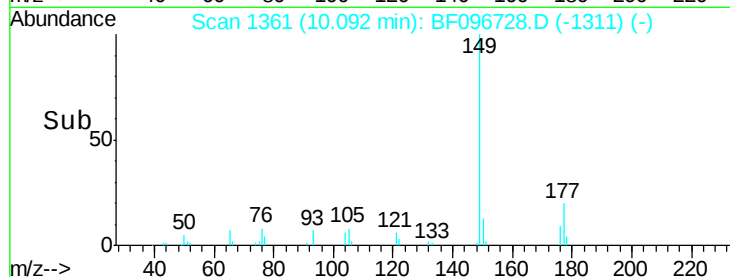
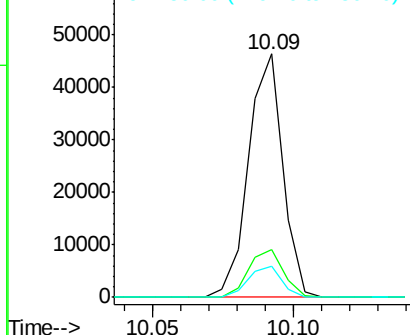
149 100

177 19.6 16.7 25.1

150 12.9 10.2 15.2



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: 1.40 ng

RT: 10.20 min Scan# 1380

Delta R.T. -0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

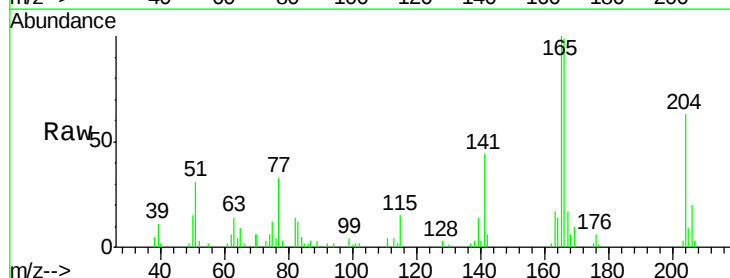
Tgt Ion:204 Resp: 12618

Ion Ratio Lower Upper

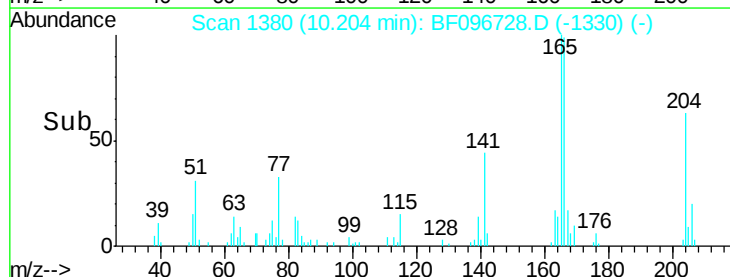
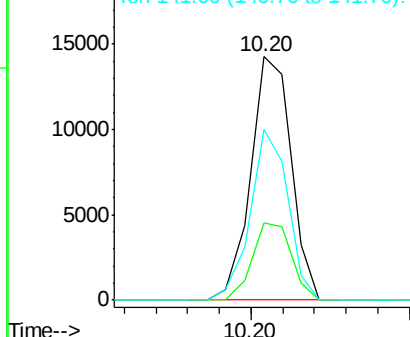
204 100

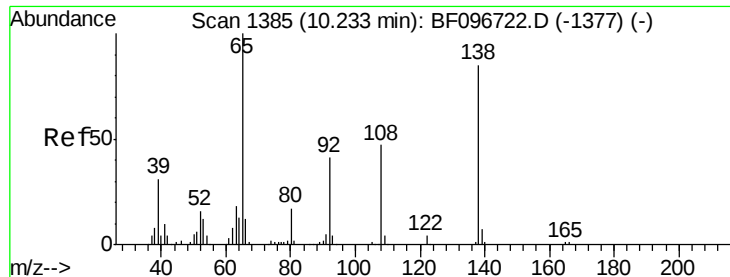
206 31.7 26.2 39.2

141 70.0 60.8 91.2



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

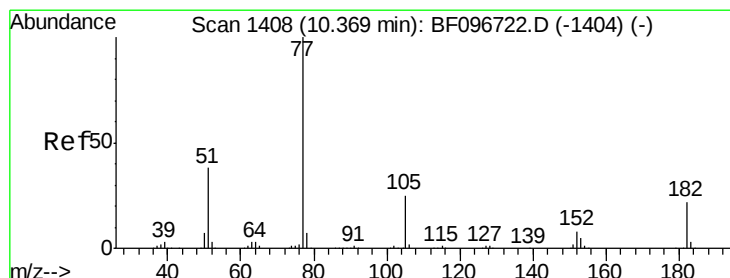
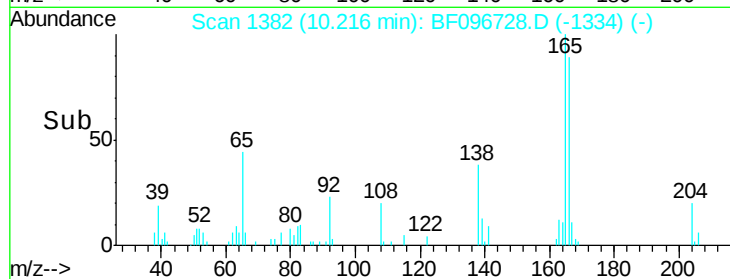
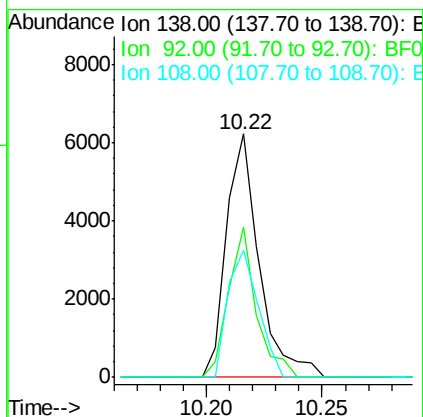
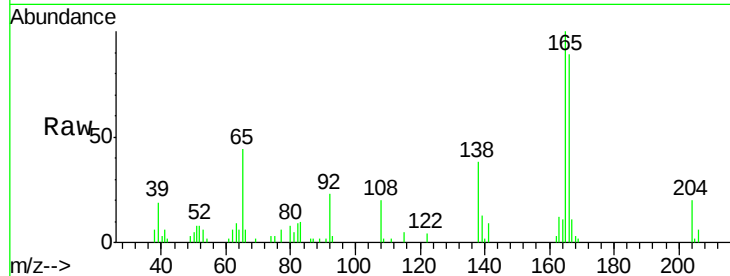




#61
4-Nitroaniline
Concen: 1.77 ng
RT: 10.22 min Scan# 1382
Delta R.T. -0.02 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

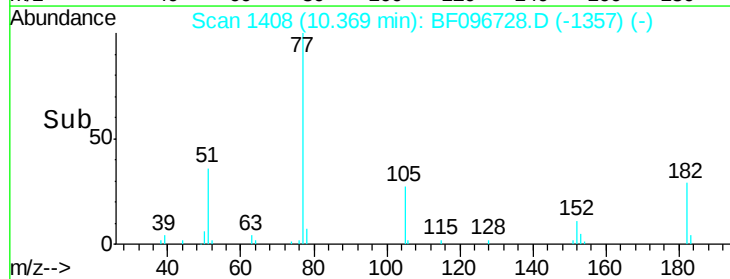
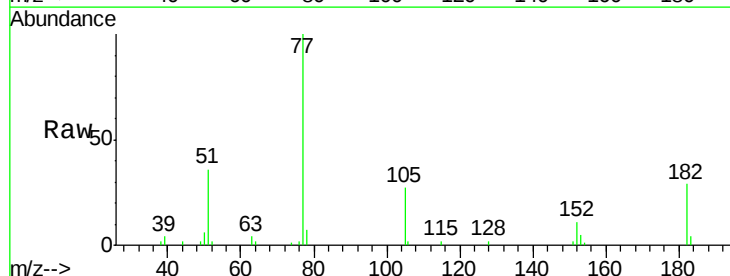
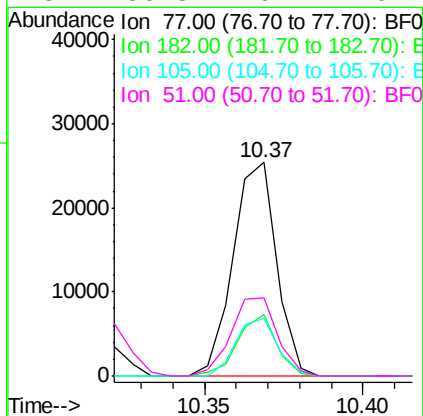
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

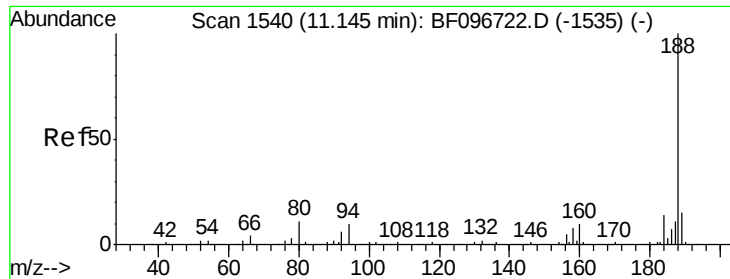
Tot Ion:138 Resp: 6142
Ion Ratio Lower Upper
138 100
92 61.5 21.8 61.8
108 52.4 42.3 82.3



#62
Azobenzene
Concen: 1.95 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.00 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

Tgt Ion: 77 Resp: 24074
Ion Ratio Lower Upper
77 100
182 28.7 0.1 40.1
105 27.1 3.6 43.6
51 36.3 9.4 49.4

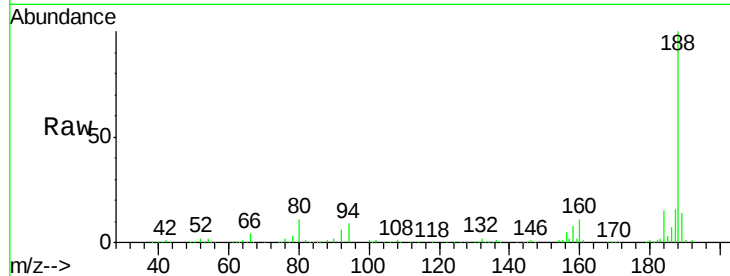




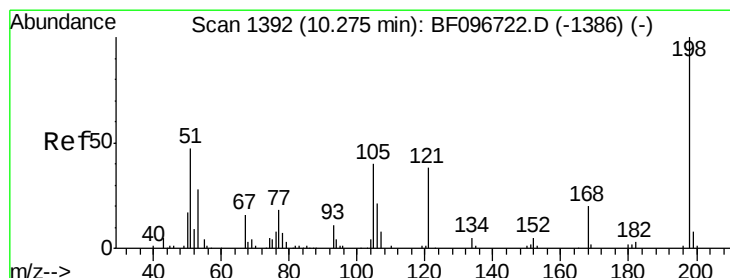
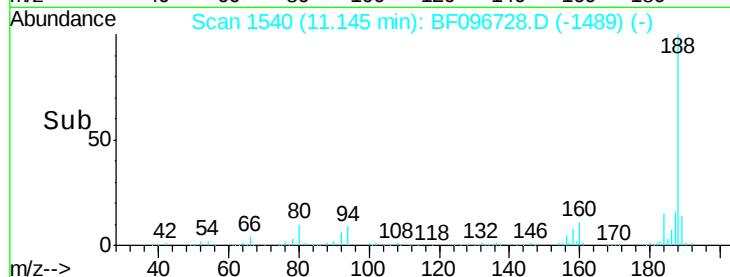
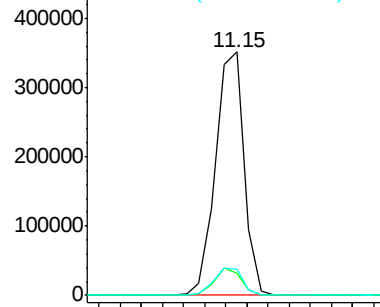
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 1540
Delta R.T. -0.00 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

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

Tot Ion:188 Resp: 329711
Ion Ratio Lower Upper
188 100
94 9.3 9.4 14.2#
80 10.5 10.2 15.2

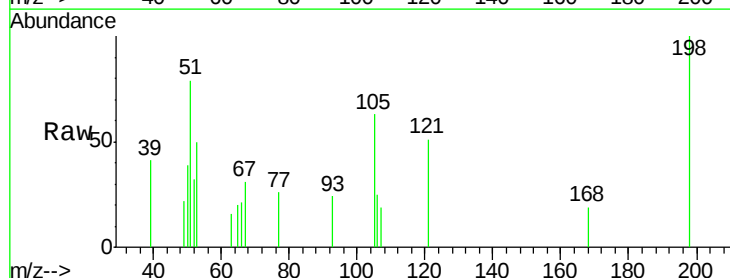


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

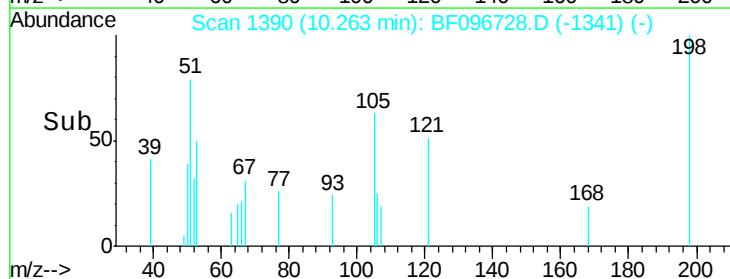
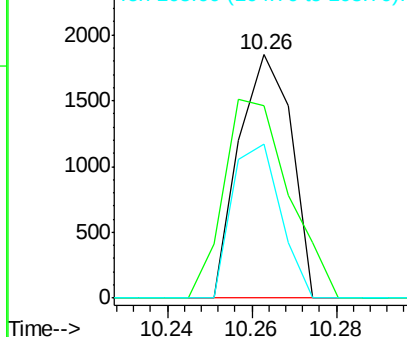


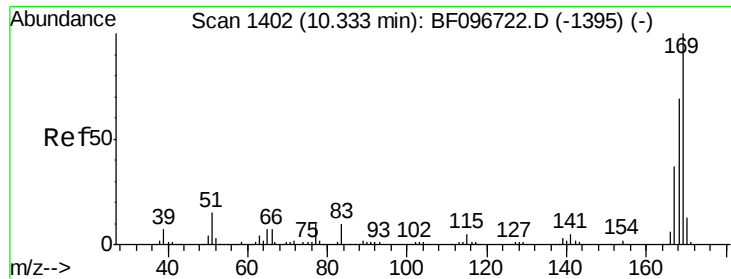
#64
4,6-Dinitro-2-methylphenol
Concen: 0.77 ng
RT: 10.26 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

Tgt Ion:198 Resp: 1594
Ion Ratio Lower Upper
198 100
51 79.2 53.2 93.2
105 63.3 45.8 85.8



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

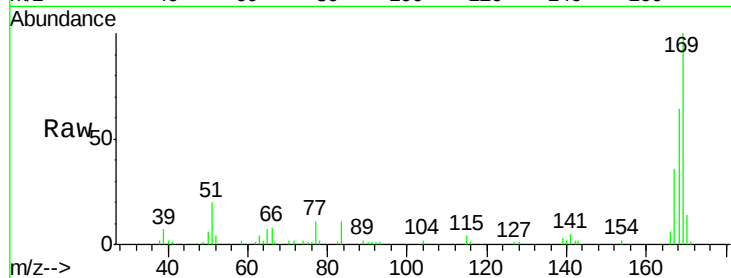




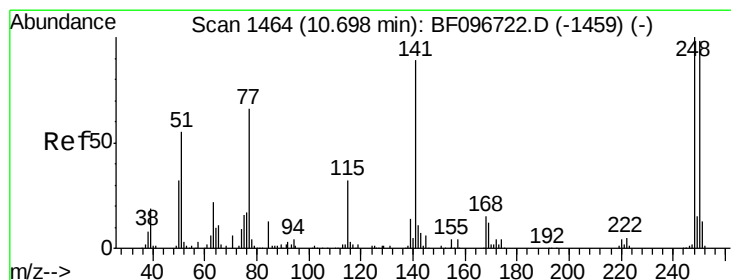
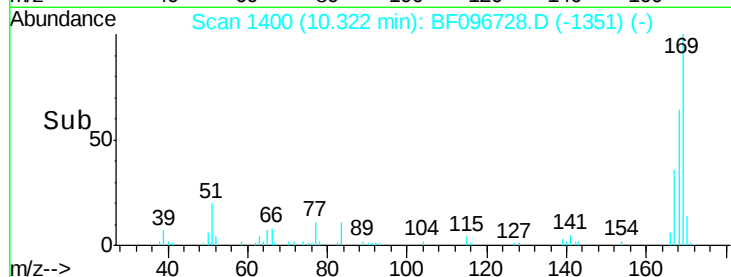
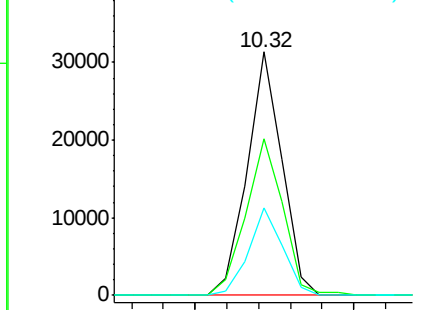
#65
n-Nitrosodiphenylamine
Concen: 2.02 ng
RT: 10.32 min Scan# 1400
Delta R.T. -0.01 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

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

Tot Ion:169 Resp: 23820
Ion Ratio Lower Upper
169 100
168 64.1 53.2 79.8
167 35.7 29.5 44.3

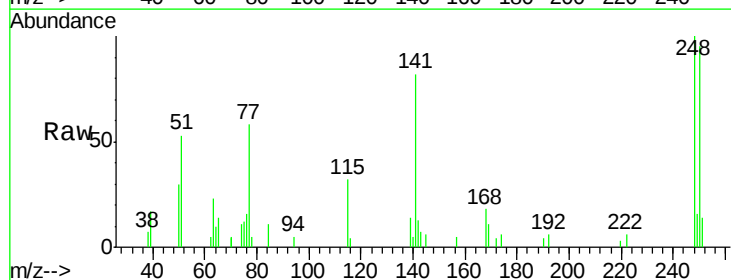


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

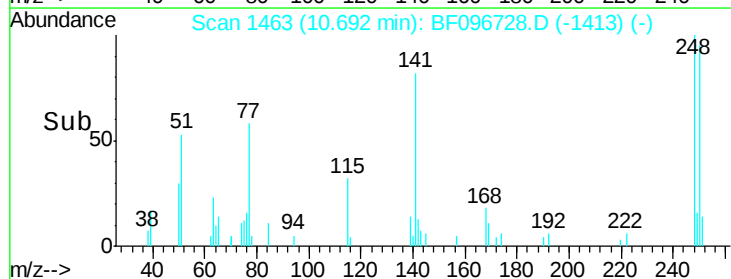
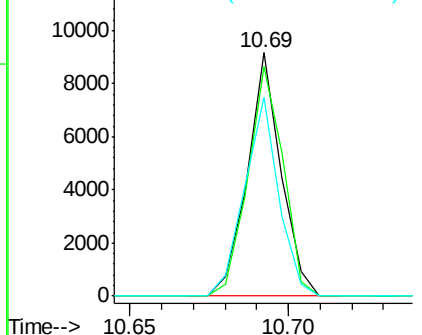


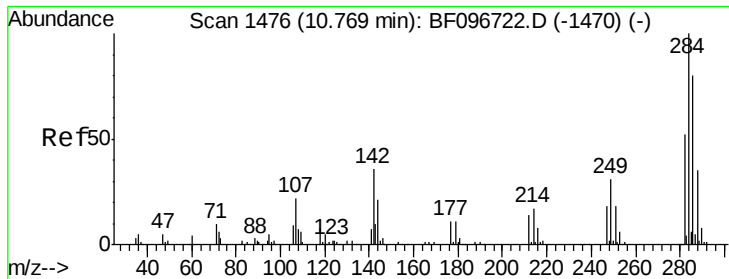
#66
4-Bromophenyl-phenylether
Concen: 2.01 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

Tgt Ion:248 Resp: 6767
Ion Ratio Lower Upper
248 100
250 94.5 76.8 115.2
141 81.6 68.6 103.0



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

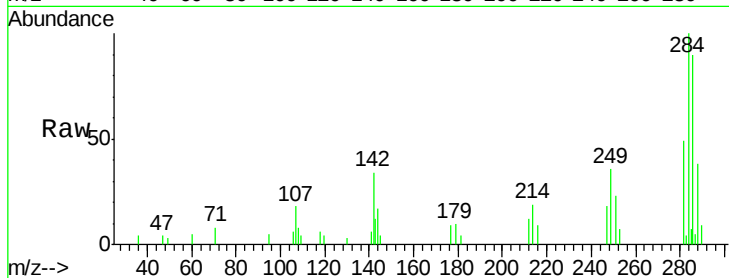




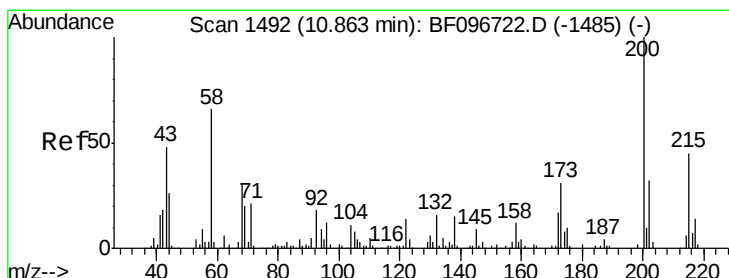
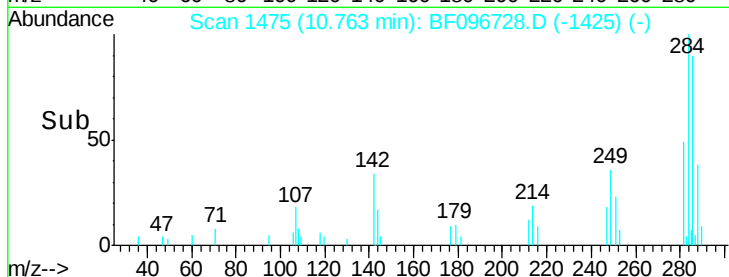
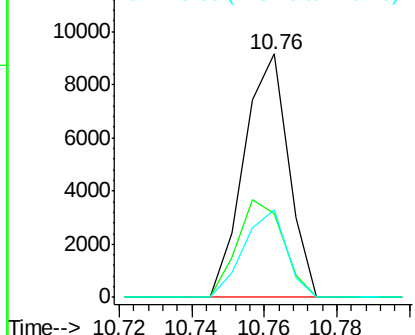
#67
Hexachlorobenzene
Concen: 2.07 ng
RT: 10.76 min Scan# 1475
Delta R.T. -0.01 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

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

Tot Ion:284 Resp: 7769
Ion Ratio Lower Upper
284 100
142 34.2 22.8 34.2#
249 35.9 24.0 36.0

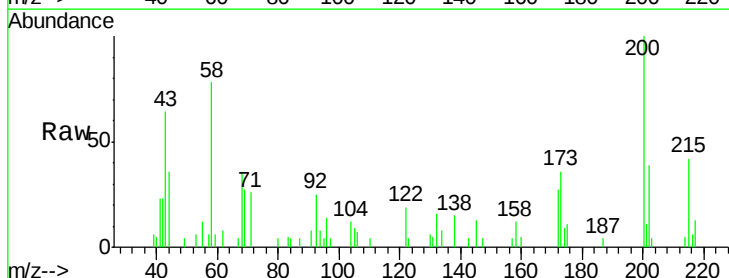


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

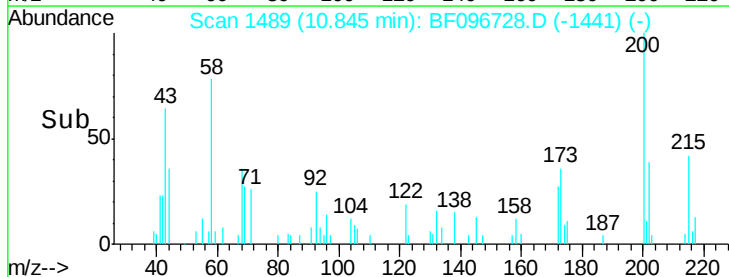
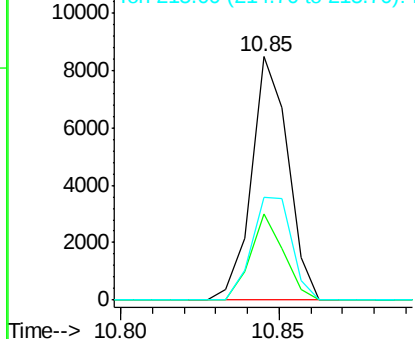


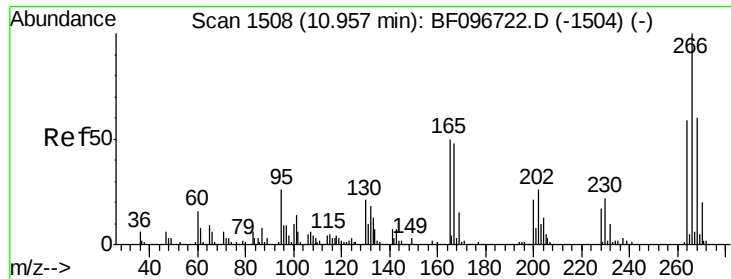
#68
Atrazine
Concen: 2.02 ng
RT: 10.85 min Scan# 1489
Delta R.T. -0.02 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

Tgt Ion:200 Resp: 6767
Ion Ratio Lower Upper
200 100
173 35.5 6.3 46.3
215 42.0 27.2 67.2



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

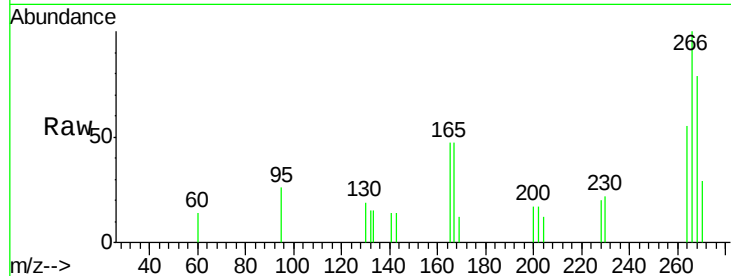




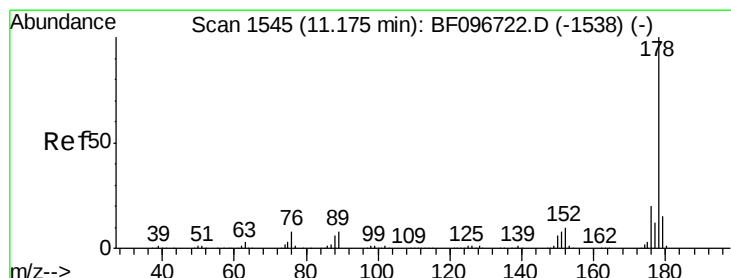
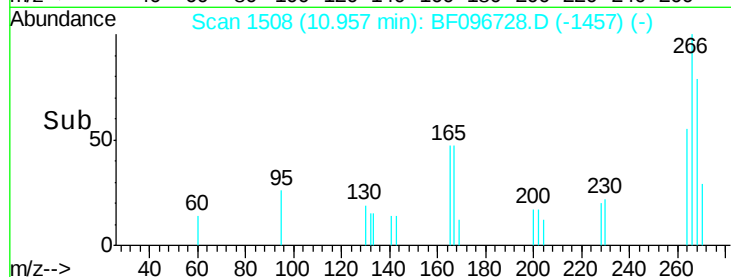
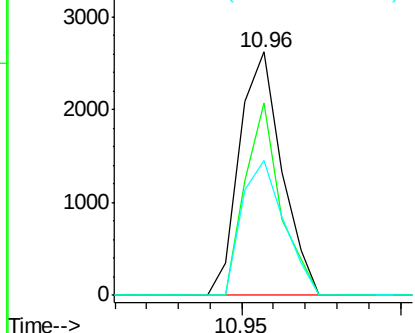
#69
 Pentachlorophenol
 Concen: 1.34 ng
 RT: 10.96 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

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

Tot Ion:266 Resp: 2435
 Ion Ratio Lower Upper
 266 100
 268 78.9 51.1 76.7#
 264 55.2 51.7 77.5

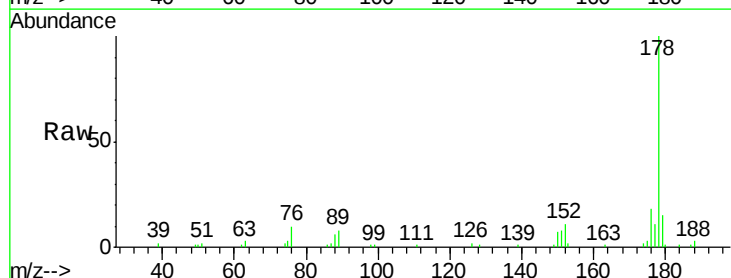


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

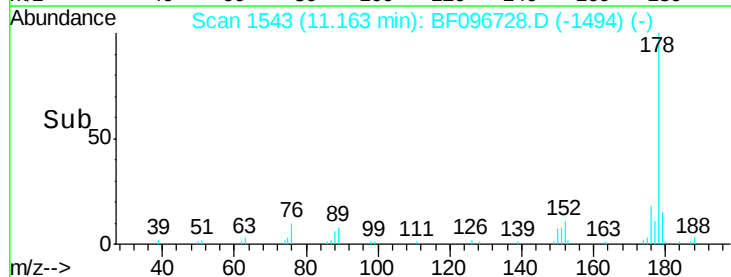
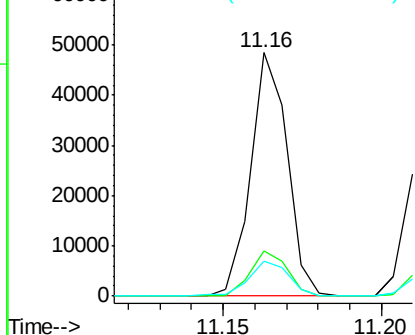


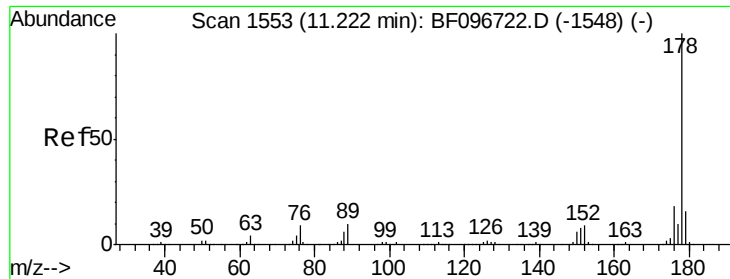
#70
 Phenanthrene
 Concen: 2.16 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. -0.01 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

Tgt Ion:178 Resp: 38773
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.2 24.4
 179 14.5 12.6 19.0



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

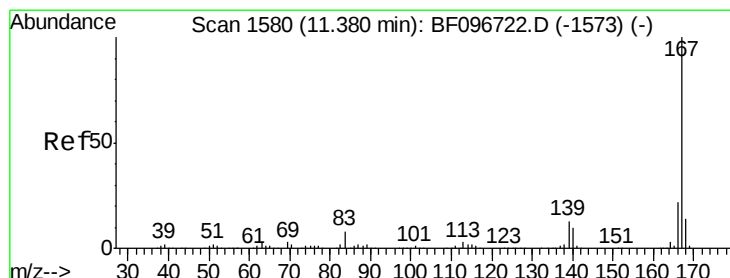
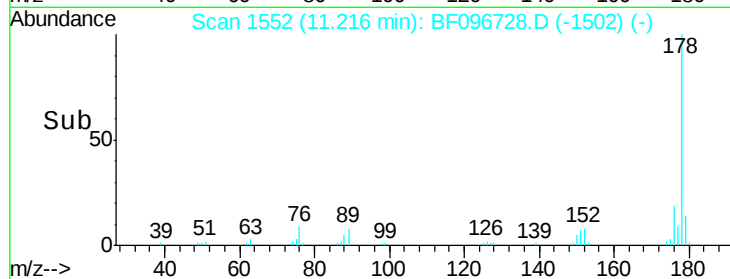
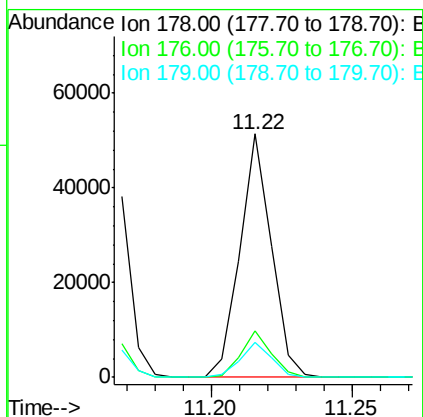
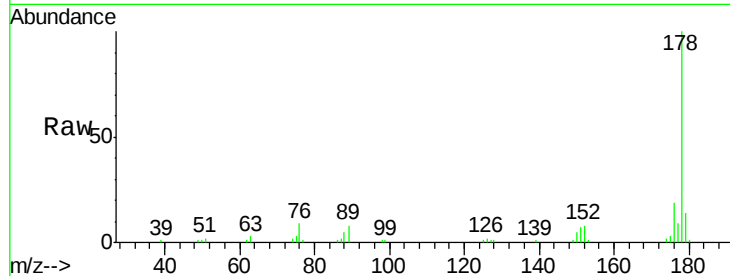




#71
 Anthracene
 Concen: 2.20 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

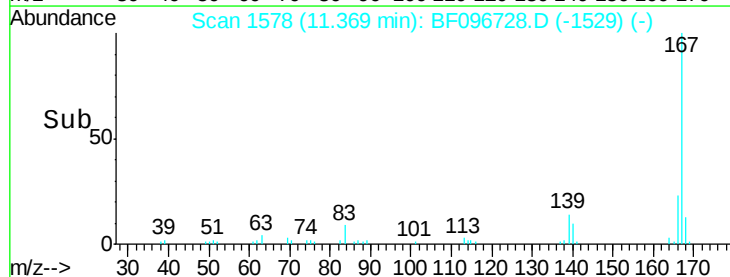
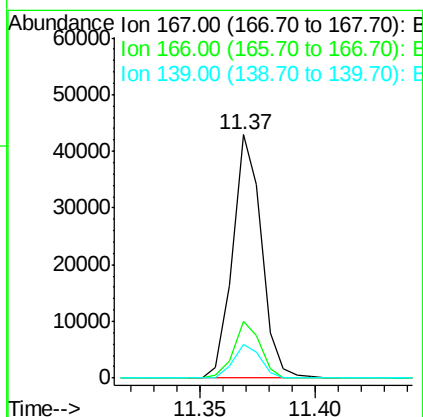
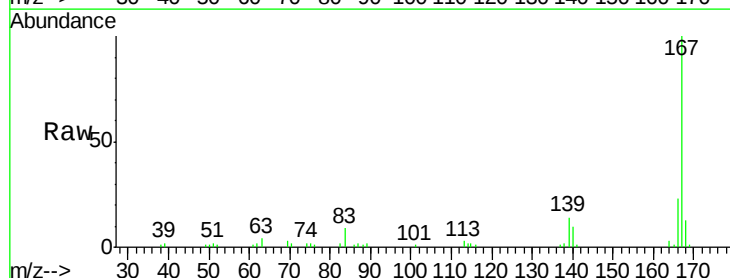
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

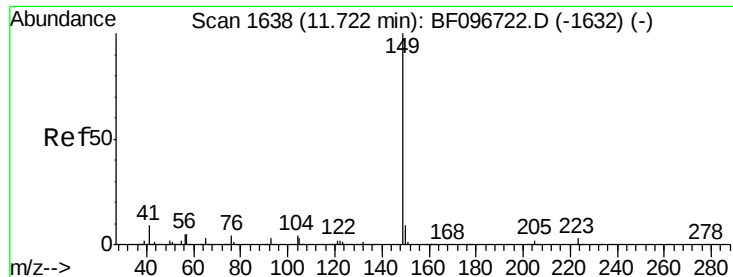
Tot Ion:178 Resp: 39797
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 14.2 12.7 19.1



#72
 Carbazole
 Concen: 2.13 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

Tgt Ion:167 Resp: 37377
 Ion Ratio Lower Upper
 167 100
 166 23.1 18.1 27.1
 139 13.7 11.7 17.5





#73

Di-n-butylphthalate

Concen: 2.15 ng

RT: 11.72 min Scan# 1637

Delta R.T. -0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

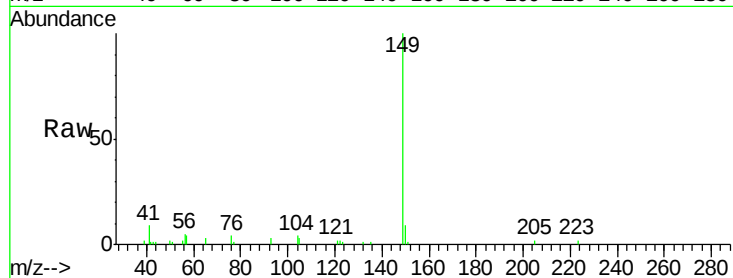
Tot Ion:149 Resp: 47000

Ion Ratio Lower Upper

149 100

150 9.0 7.7 11.5

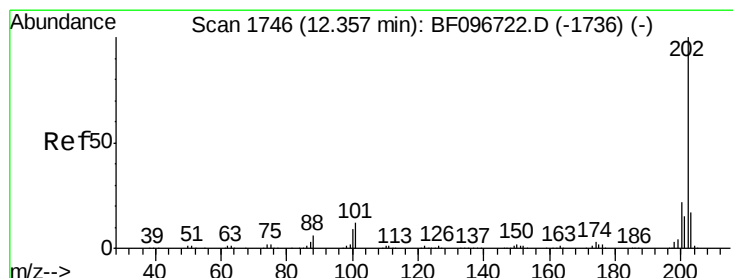
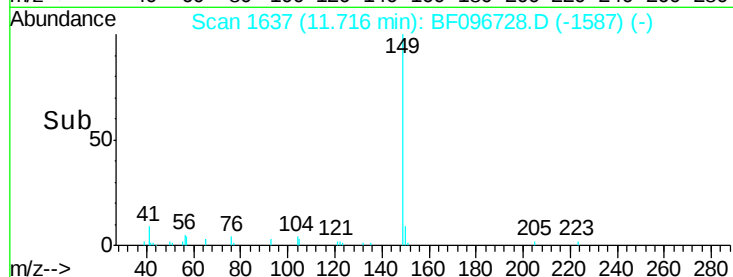
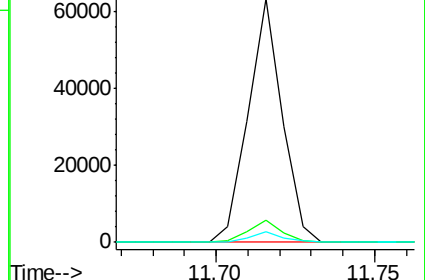
104 4.2 4.0 6.0



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: 2.25 ng

RT: 12.34 min Scan# 1744

Delta R.T. -0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

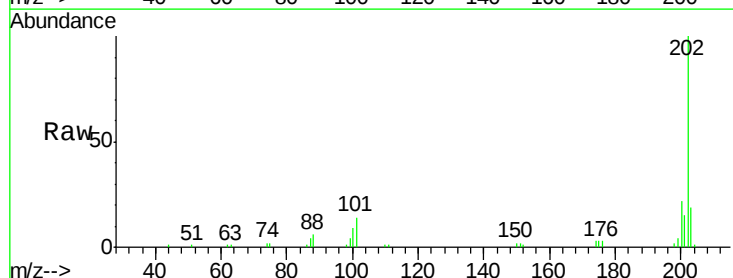
Tgt Ion:202 Resp: 38585

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.2

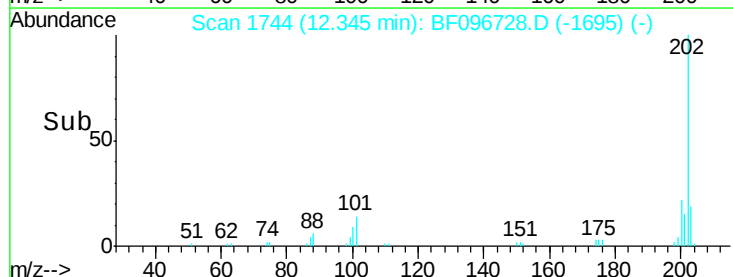
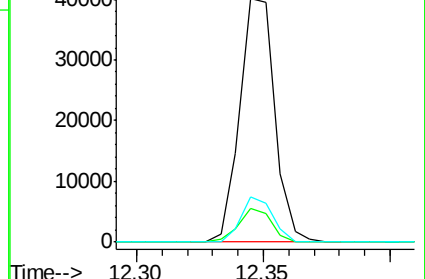
203 18.6 0.0 38.1

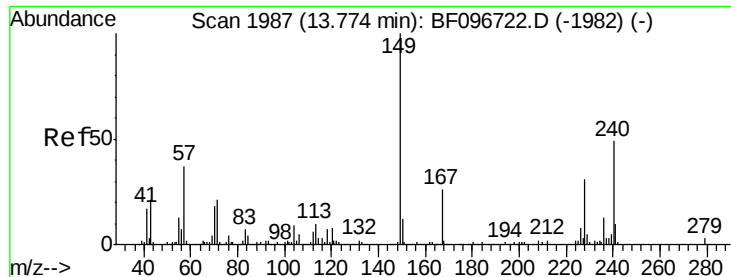


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

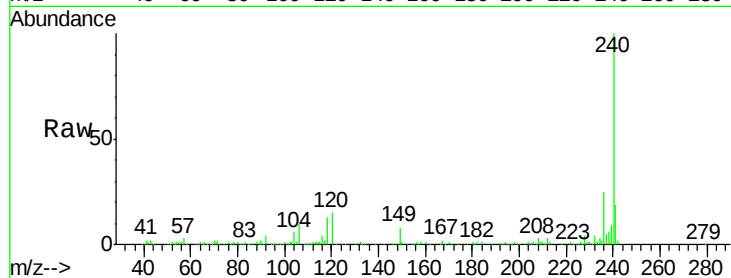
Tot Ion:240 Resp: 276662

Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

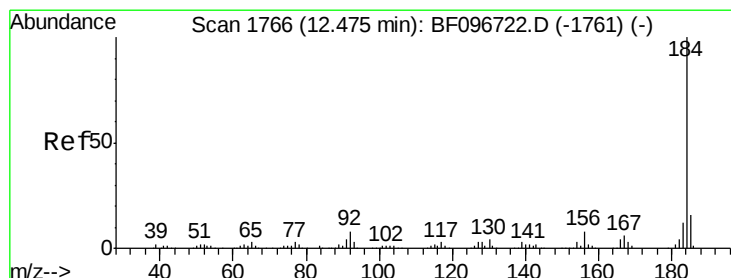
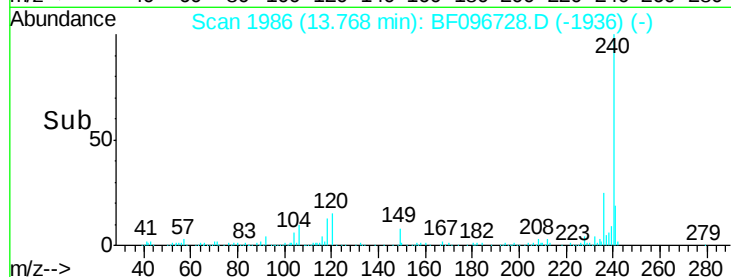
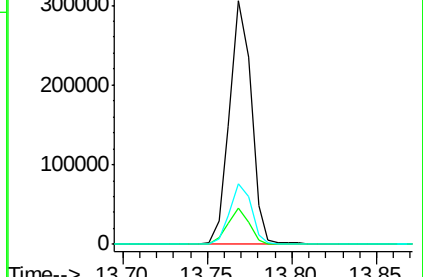
236 24.8 20.5 30.7



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: 0.94 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.00 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

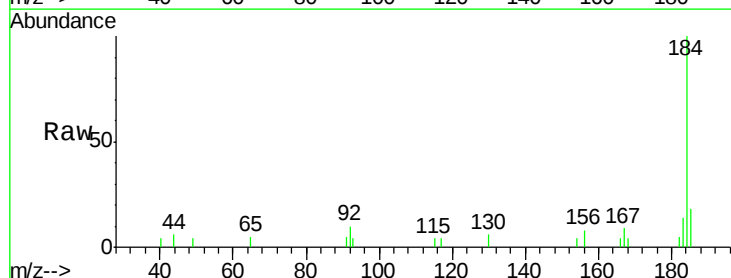
Tgt Ion:184 Resp: 8534

Ion Ratio Lower Upper

184 100

185 18.0 15.5 23.3

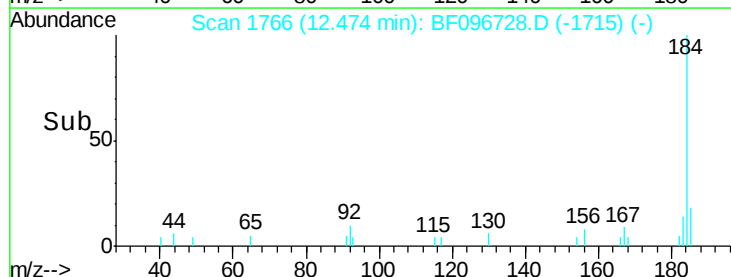
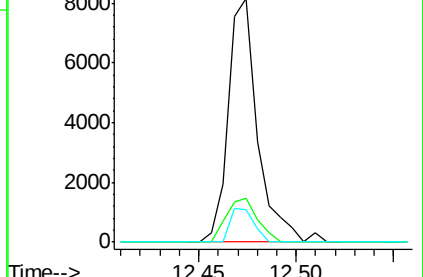
183 13.5 9.8 14.6

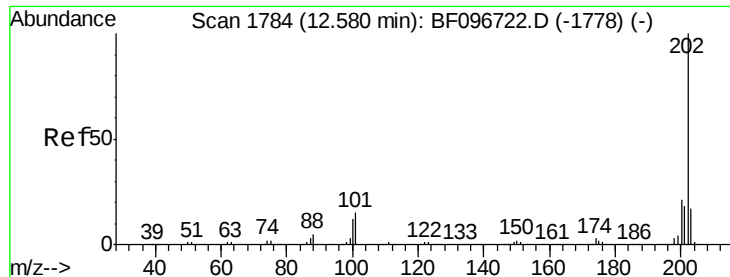


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 1.62 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

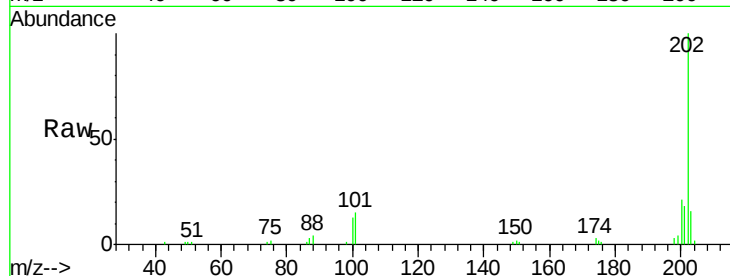
Tot Ion:202 Resp: 40749

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

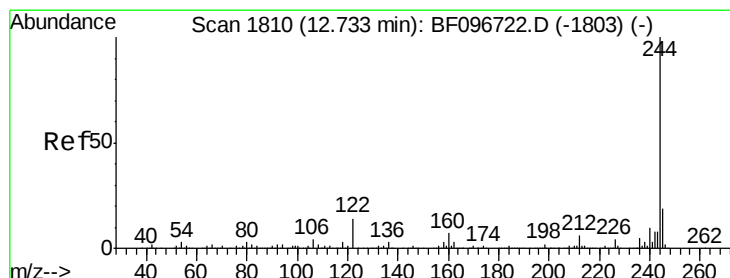
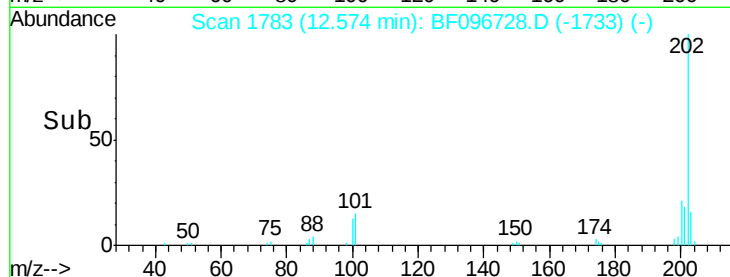
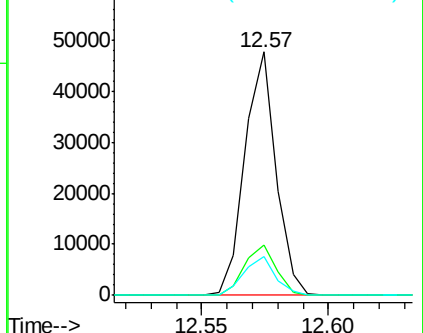
203 15.9 14.4 21.6



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: 63.28 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.00 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

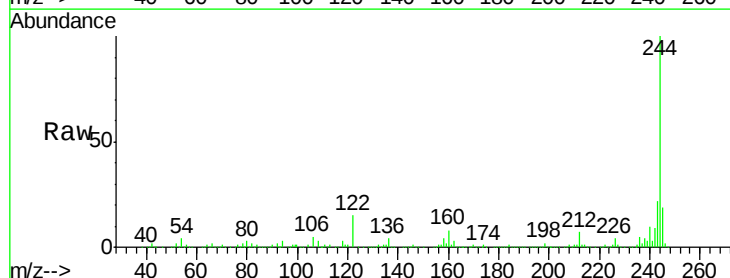
Tgt Ion:244 Resp: 1009565

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

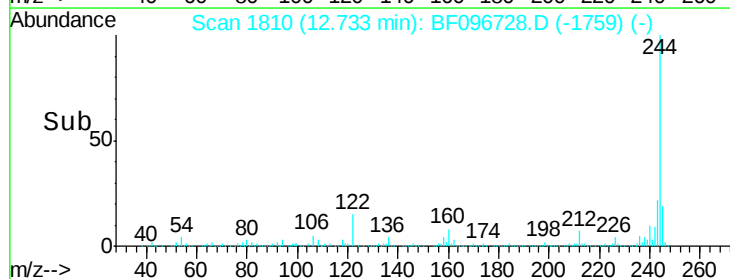
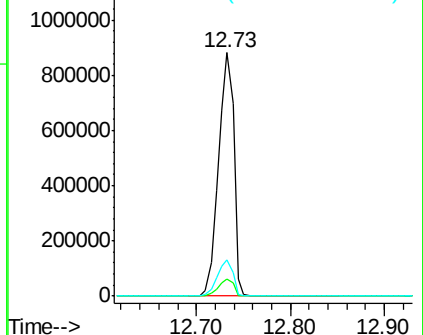
122 14.7 10.3 15.5

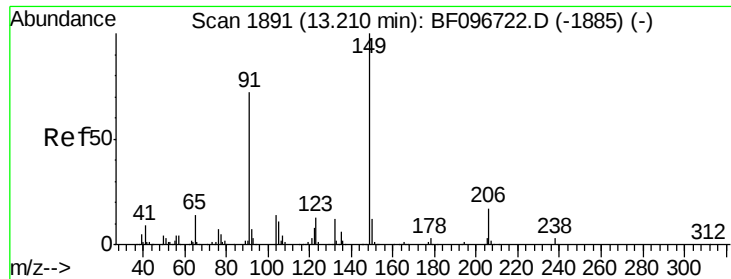


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

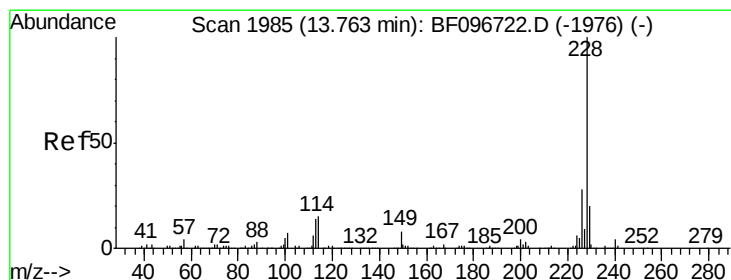
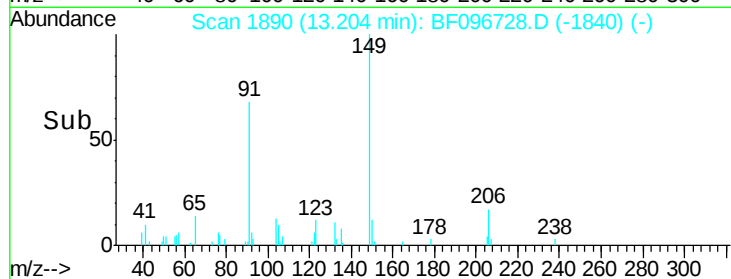
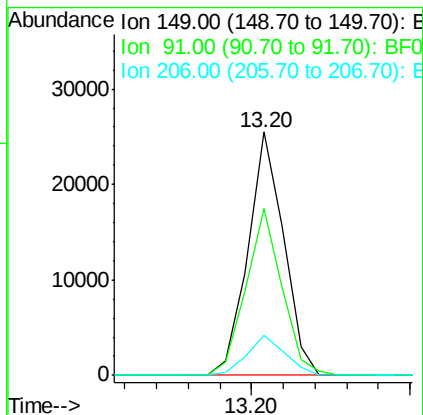
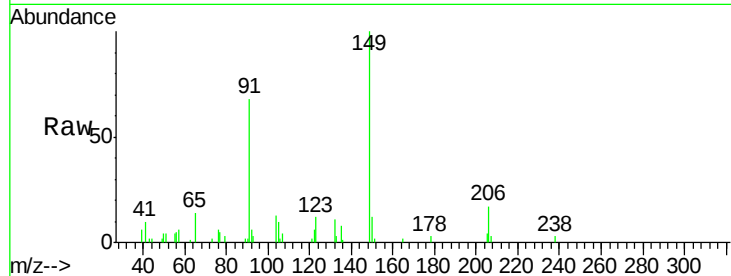




#79
Butylbenzylphthalate
Concen: 3.33 ng
RT: 13.20 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

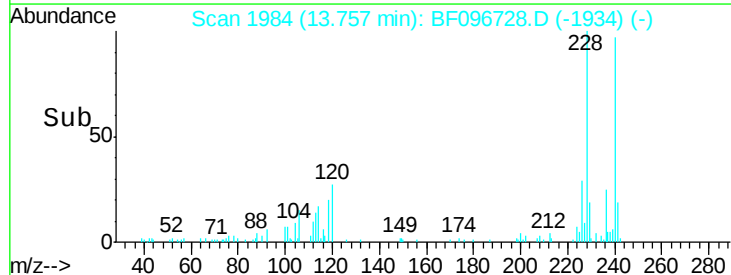
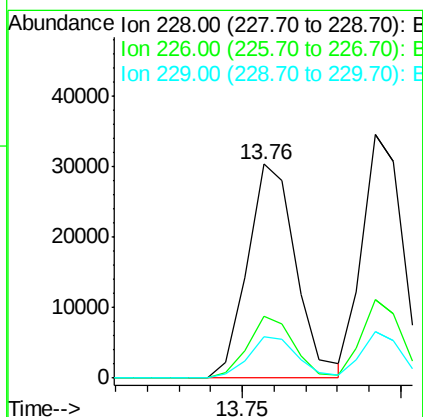
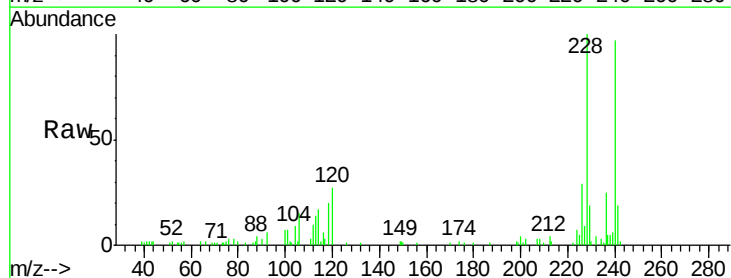
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

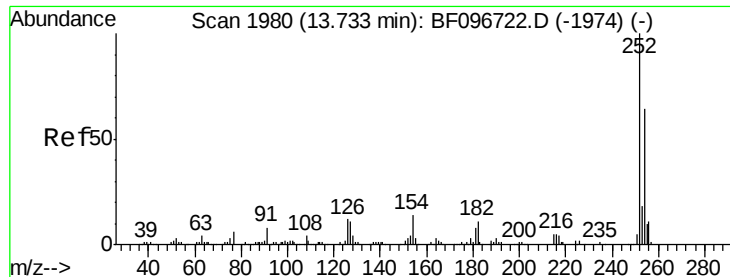
Tot Ion	Ratio	Lower	Upper
149	100		
91	68.4	45.0	67.4#
206	16.6	17.0	25.6#



#80
Benzo(a)anthracene
Concen: 1.87 ng
RT: 13.76 min Scan# 1984
Delta R.T. -0.01 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	19.3	16.3	24.5

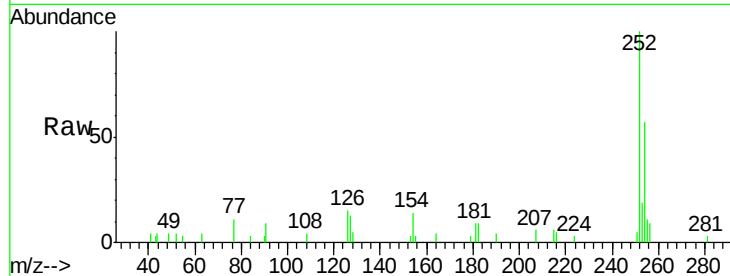




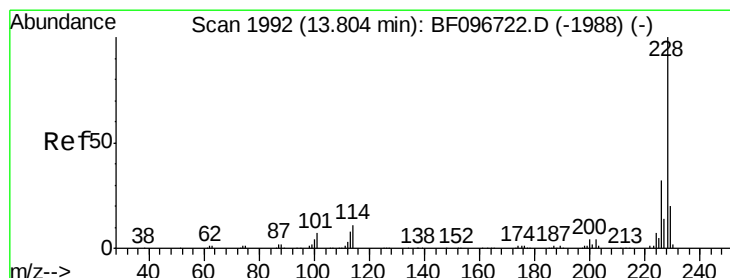
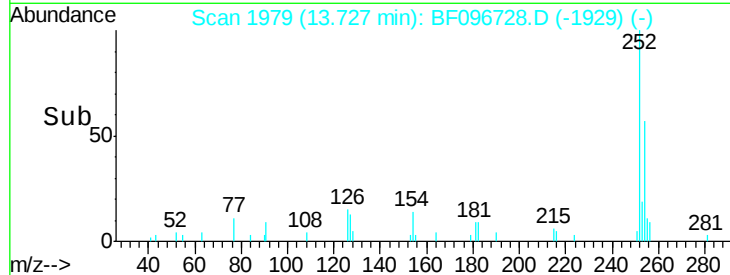
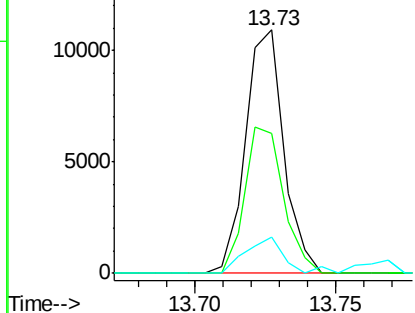
#81
 3,3'-Dichlorobenzidine
 Concen: 1.65 ng
 RT: 13.73 min Scan# 1979
 Delta R.T. -0.01 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

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

Tot Ion	Ratio	Lower	Upper
252	100		
254	57.2	51.5	77.3
126	14.8	15.8	23.8#

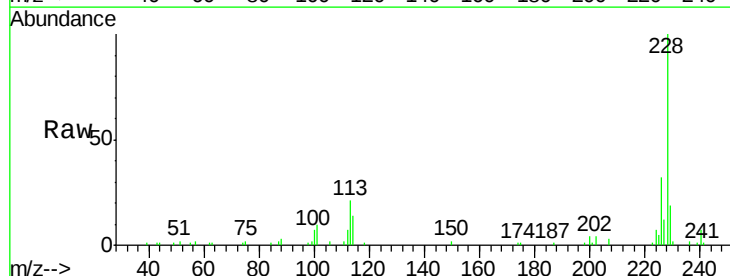


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

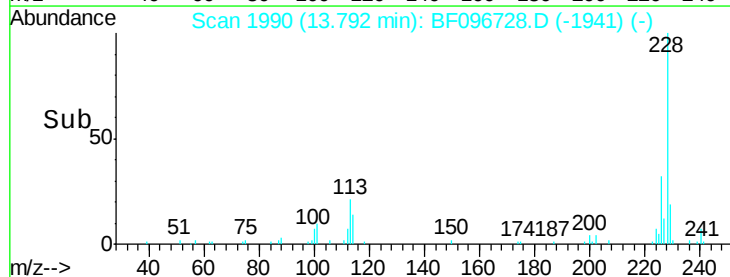
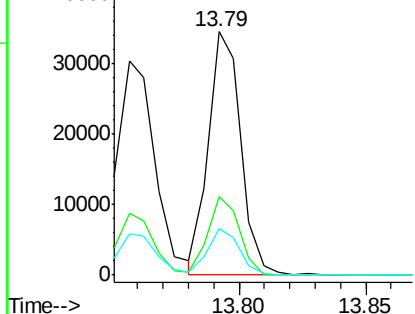


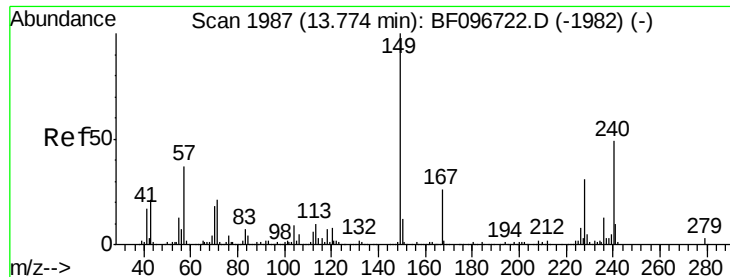
#82
 Chrysene
 Concen: 1.81 ng
 RT: 13.79 min Scan# 1990
 Delta R.T. -0.01 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.9	37.3
229	19.0	15.8	23.6



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

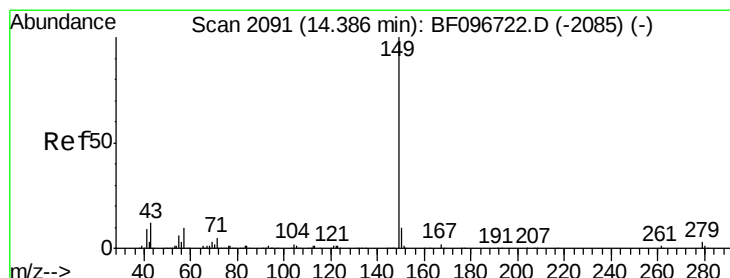
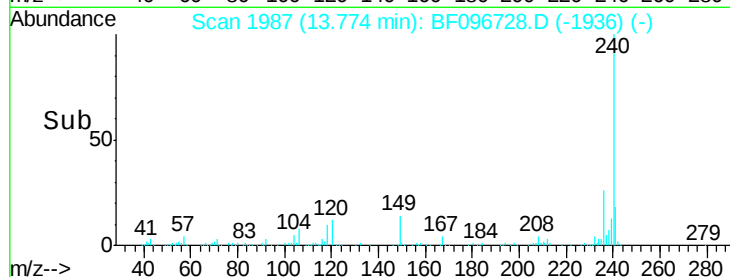
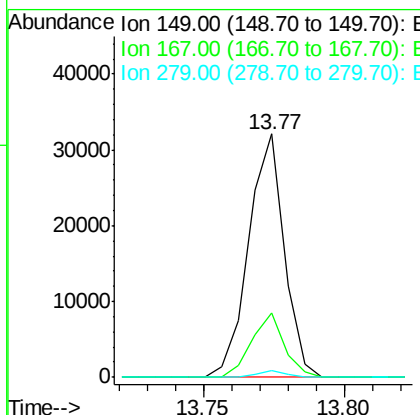
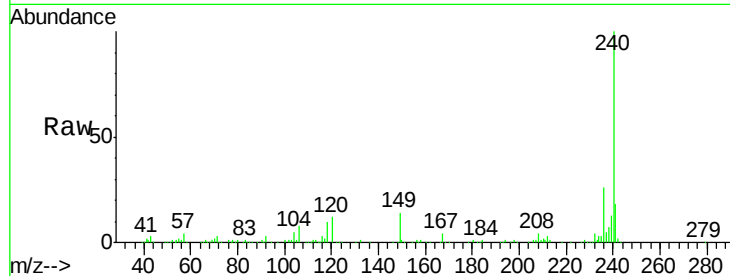




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.93 ng
 RT: 13.77 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

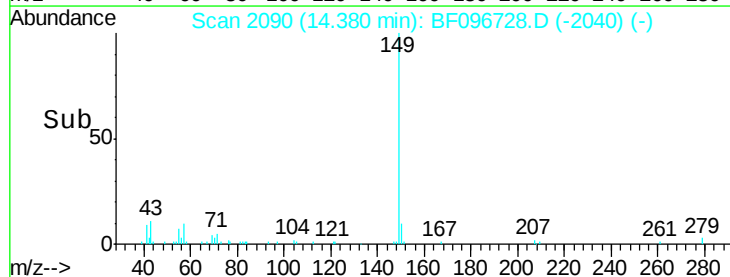
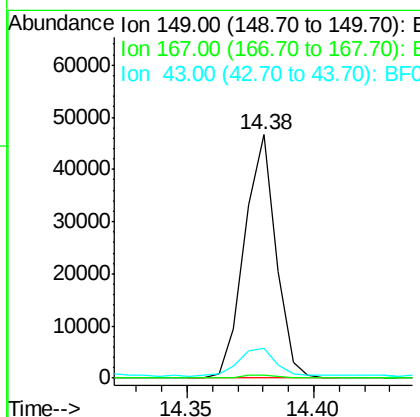
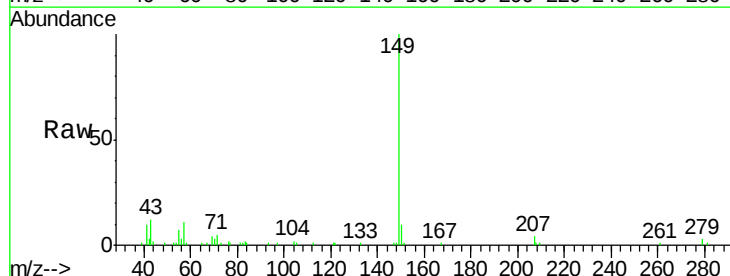
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

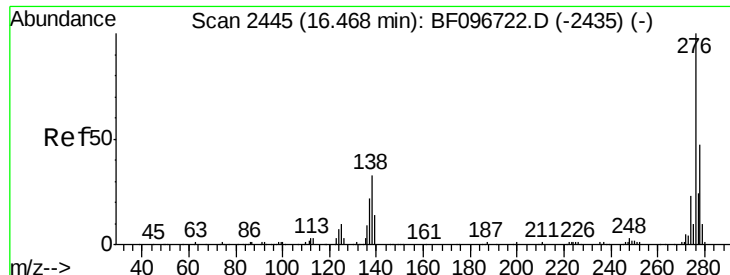
Tot Ion:149 Resp: 27999
 Ion Ratio Lower Upper
 149 100
 167 26.6 21.0 31.4
 279 2.6 1.9 2.9



#84
 Di-n-octyl phthalate
 Concen: 1.68 ng
 RT: 14.38 min Scan# 2090
 Delta R.T. -0.01 min
 Lab File: BF096728.D
 Acq: 13 Jul 2017 15:26

Tgt Ion:149 Resp: 40336
 Ion Ratio Lower Upper
 149 100
 167 1.2 1.2 1.8#
 43 13.2 8.5 12.7#





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.68 ng

RT: 16.46 min Scan# 2443

Delta R.T. -0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

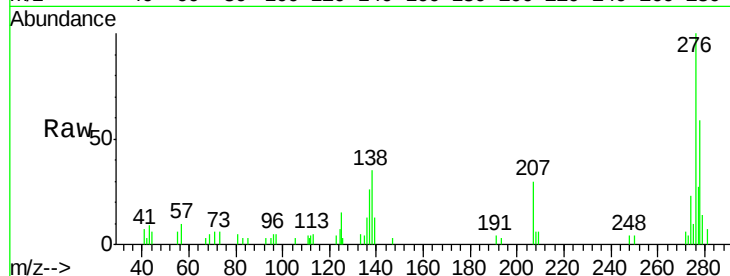
Tot Ion:276 Resp: 22011

Ion Ratio Lower Upper

276 100

138 37.6 27.8 41.6

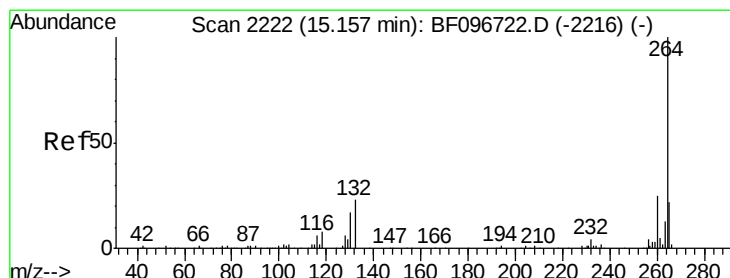
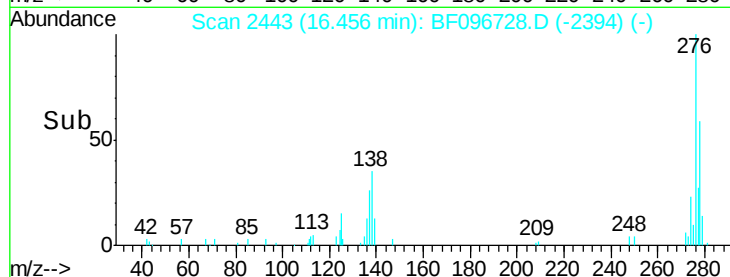
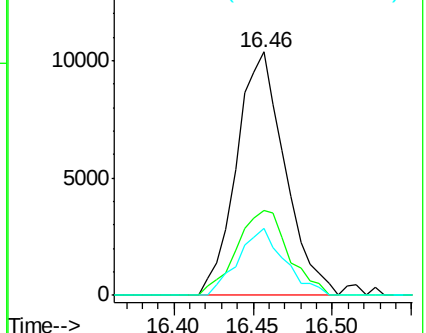
277 26.1 20.2 30.4



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: 20.00 ng

RT: 15.15 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

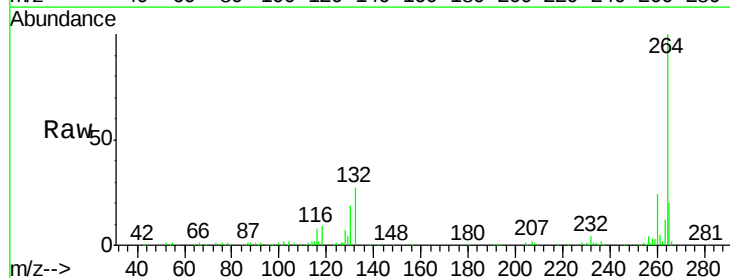
Tgt Ion:264 Resp: 182376

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

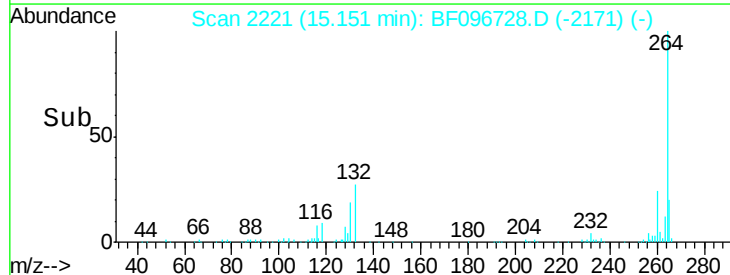
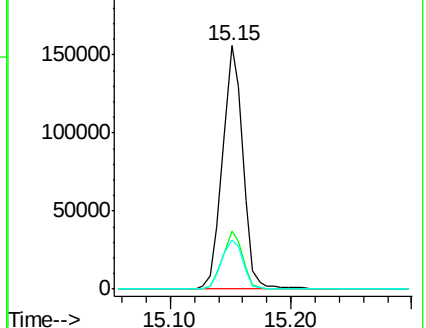
265 20.1 17.2 25.8

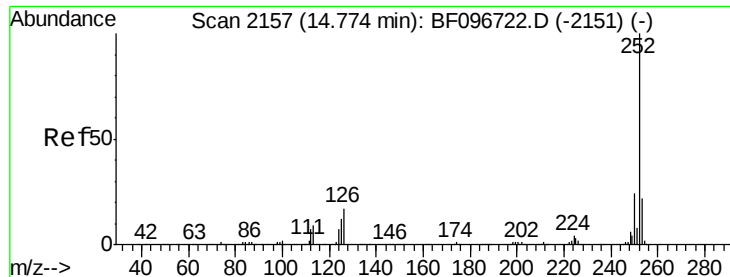


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

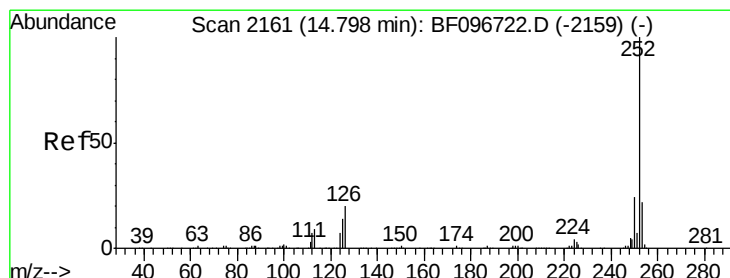
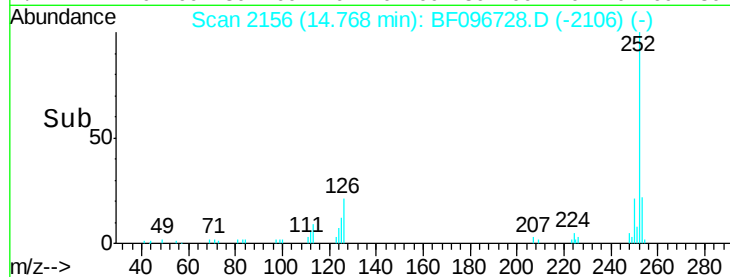
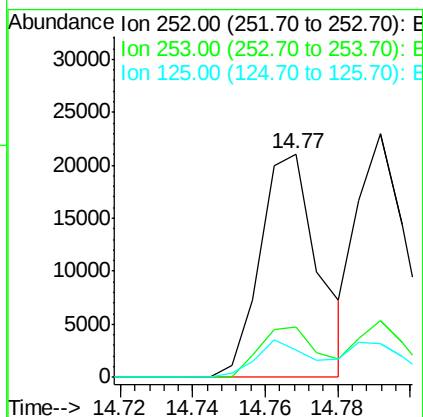
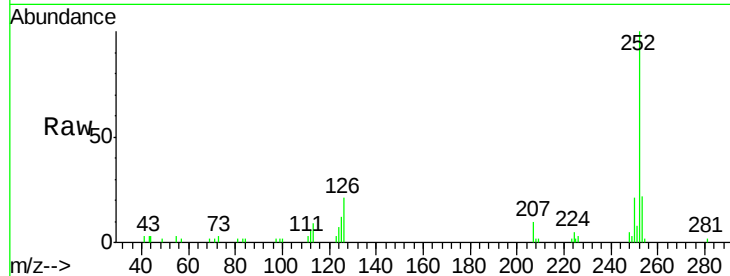




#87
Benzo(b)fluoranthene
Concen: 2.14 ng
RT: 14.77 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

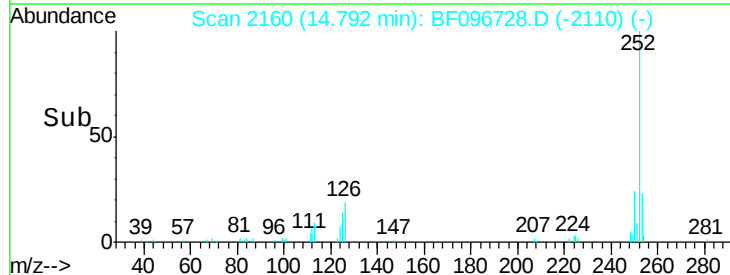
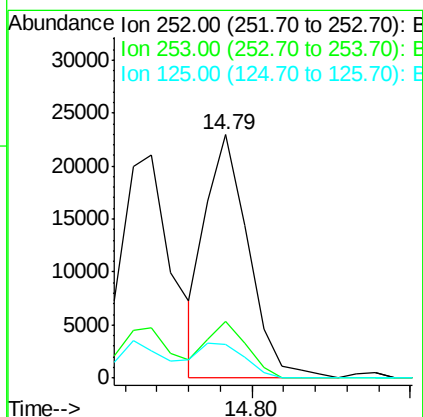
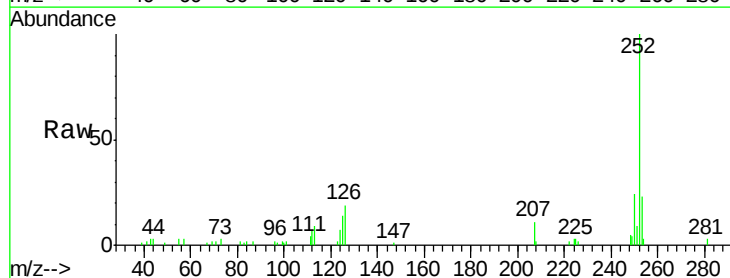
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

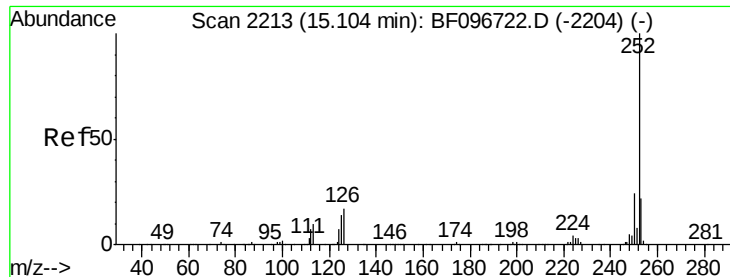
Tot Ion:252 Resp: 23542
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 12.0 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 2.07 ng
RT: 14.79 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

Tgt Ion:252 Resp: 21510
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 13.8 13.1 19.7

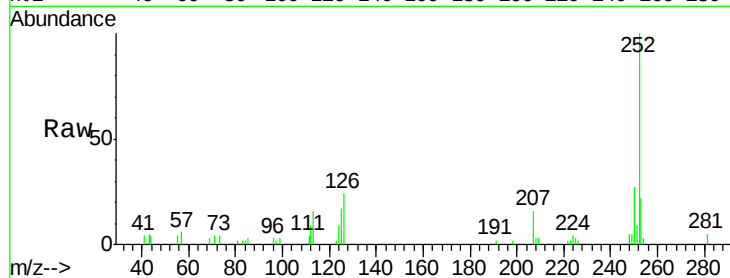




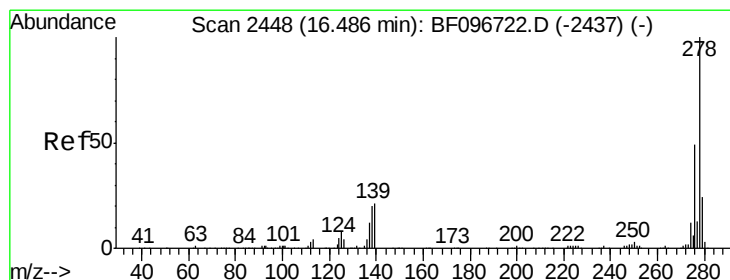
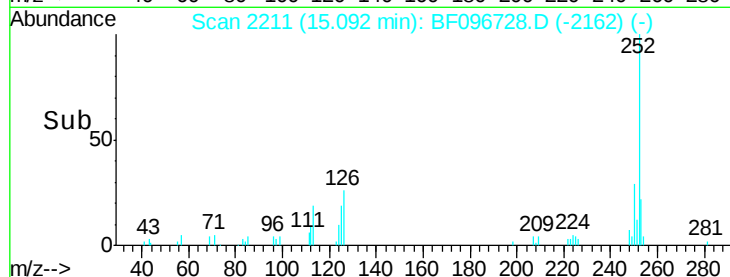
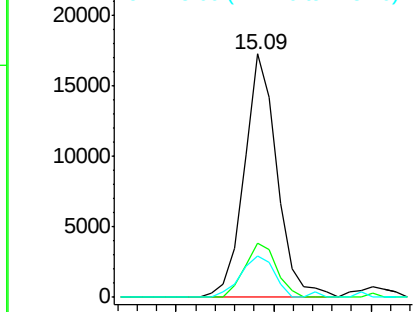
#89
Benzo(a)pyrene
Concen: 1.99 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

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

Tot Ion:252 Resp: 20034
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 17.0 11.0 16.4#

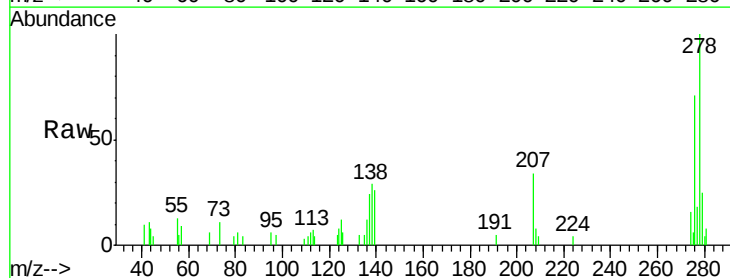


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

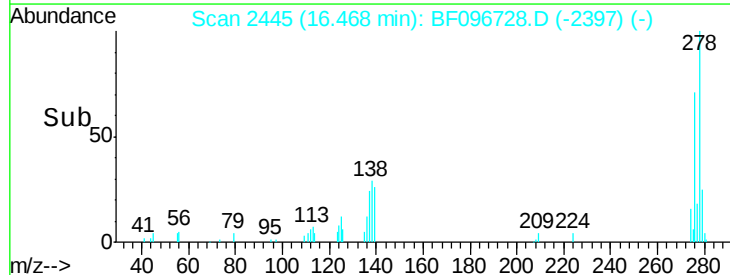
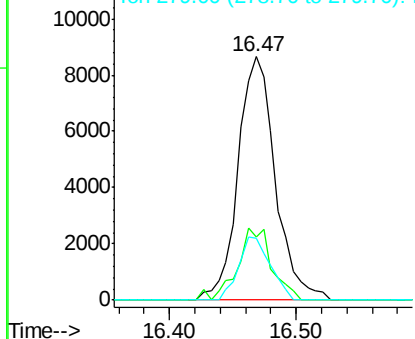


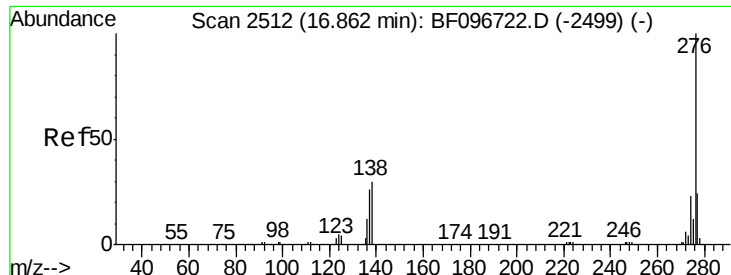
#90
Dibenzo(a,h)anthracene
Concen: 1.90 ng
RT: 16.47 min Scan# 2445
Delta R.T. -0.02 min
Lab File: BF096728.D
Acq: 13 Jul 2017 15:26

Tgt Ion:278 Resp: 17655
Ion Ratio Lower Upper
278 100
139 26.2 16.6 24.8#
279 25.3 19.3 28.9



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





#91

Benzo(a,h,i)perylene

Concen: 1.87 ng

RT: 16.84 min Scan# 2508

Delta R.T. -0.02 min

Lab File: BF096728.D

Acq: 13 Jul 2017 15:26

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

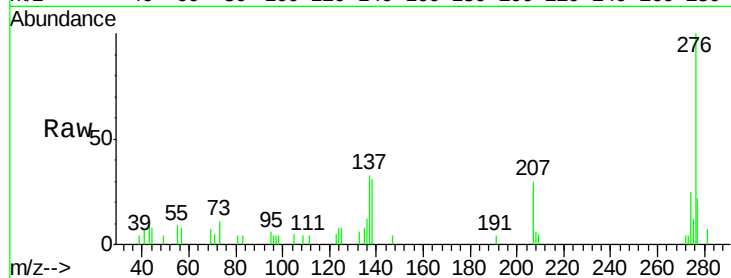
Tot Ion: 276 Resp: 18589

Ion Ratio Lower Upper

276 100

277 21.5 18.6 28.0

138 30.8 25.4 38.0



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

