

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071317\
 Data File : BF096727.D
 Acq On : 13 Jul 2017 14:58
 Operator : SJ/JU
 Sample : I3575-01
 Misc : 1PPM LOD
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Jul 14 01:04:04 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	112508	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	476640	20.00	ng	0.00
38) Acenaphthene-d10	9.66	164	209203	20.00	ng	0.00
63) Phenanthrene-d10	11.14	188	368737	20.00	ng	0.00
75) Chrysene-d12	13.77	240	273032	20.00	ng	0.00
86) Perylene-d12	15.15	264	185319	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	913839	122.13	ng	0.00
7) Phenol-d6	6.28	99	1094473	121.89	ng	0.00
23) Nitrobenzene-d5	7.20	82	745360	96.86	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	218362	122.28	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	1196033	90.33	ng	0.00
78) Terphenyl-d14	12.73	244	997934	63.39	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.26	88	3983	1.03	ng	# 82
3) Pyridine	3.12	79	2875	0.36	ng	# 47
4) n-Nitrosodimethylamine	2.89	42	1998	0.44	ng	# 64
6) Aniline	6.29	93	10691	0.97	ng	# 45
8) 2-Chlorophenol	6.42	128	8162	1.01	ng	# 76
9) Benzaldehyde	6.18	77	3877	0.75	ng	86
10) Phenol	6.29	94	10653	1.05	ng	85
11) bis(2-Chloroethyl)ether	6.37	93	7447	0.98	ng	# 82
12) 1,3-Dichlorobenzene	6.57	146	8925	1.04	ng	97
13) 1,4-Dichlorobenzene	6.65	146	9123	1.05	ng	91
14) 1,2-Dichlorobenzene	6.65	146	9123	1.15	ng	91
15) Benzyl Alcohol	6.79	79	17069	2.90	ng	# 40
16) 2,2'-oxybis(1-Chloropropan	6.92	45	16662	1.06	ng	91
17) 2-Methylphenol	6.89	107	5876	0.94	ng	94
18) Hexachloroethane	7.15	117	2904	0.94	ng	84
19) n-Nitroso-di-n-propylamine	7.05	70	5637	1.04	ng	# 84
20) 3+4-Methylphenols	7.05	107	8079	1.06	ng	# 72
22) Acetophenone	7.04	105	11392	1.07	ng	97
24) Nitrobenzene	7.21	77	10578	1.33	ng	96
25) Isophorone	7.20	82	739256	51.64	ng	# 67
26) 2-Nitrophenol	7.53	139	4249	0.96	ng	# 92
27) 2,4-Dimethylphenol	7.57	122	7108	0.98	ng	96
28) bis(2-Chloroethoxy)methane	7.67	93	9479	0.98	ng	97
29) 2,4-Dichlorophenol	7.78	162	6090	0.92	ng	96
30) 1,2,4-Trichlorobenzene	7.86	180	6729	1.07	ng	96
31) Naphthalene	7.93	128	23046	1.02	ng	# 94
32) Benzoic acid	7.63	122	2752	0.59	ng	91
33) 4-Chloroaniline	7.99	127	9057	1.01	ng	# 88
34) Hexachlorobutadiene	8.06	225	3386	1.01	ng	96
35) Caprolactam	8.31	113	1748	0.83	ng	# 77
36) 4-Chloro-3-methylphenol	8.47	107	6649	0.94	ng	# 83
37) 2-Methylnaphthalene	8.63	142	15551	1.08	ng	93
39) 1,2,4,5-Tetrachlorobenzene	8.80	216	5786	1.02	ng	97
40) Hexachlorocyclopentadiene	8.79	237	212	5.08	ng	90

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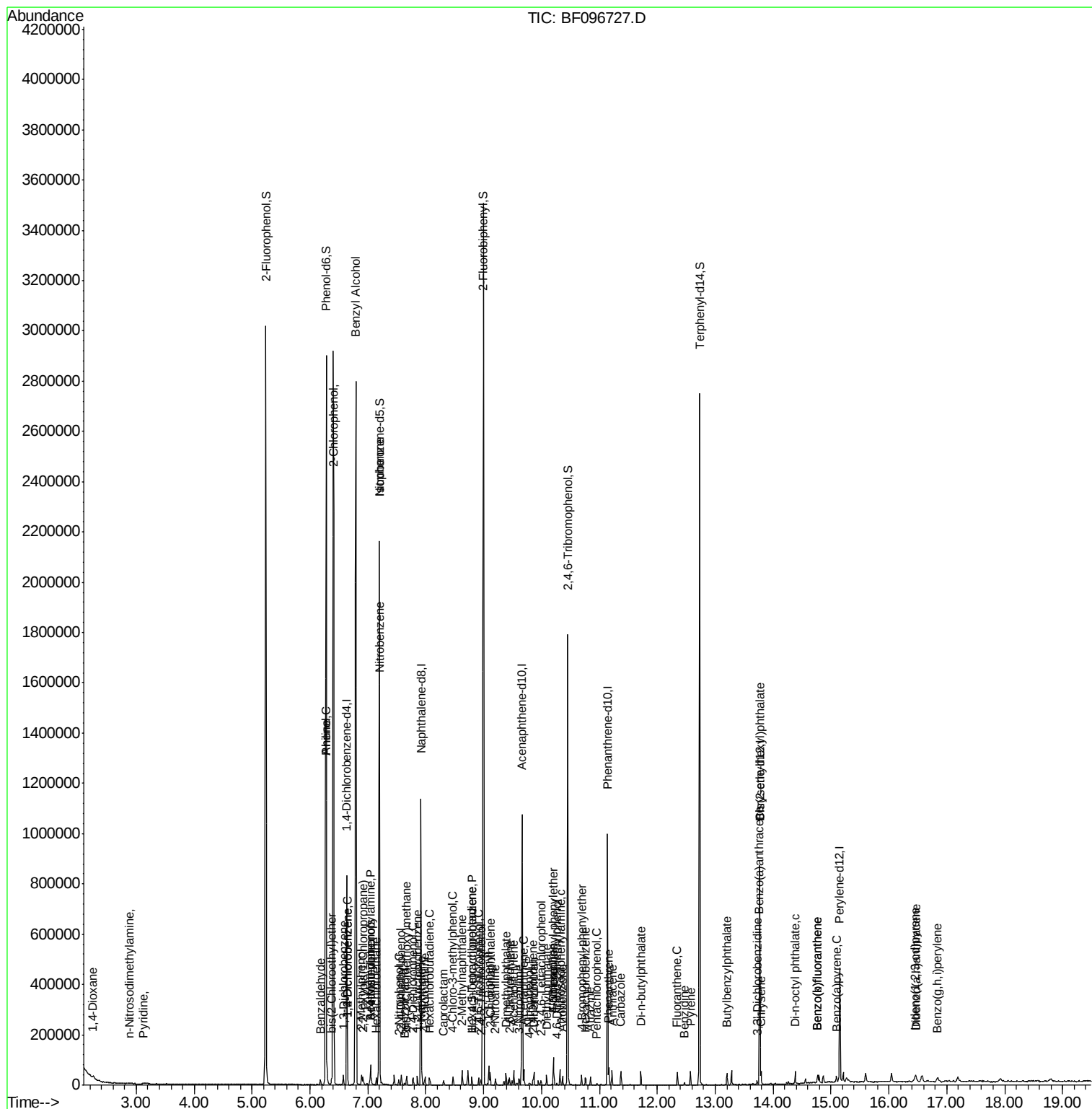
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.91	196	4023	0.96	nq	98
43) 2,4,5-Trichlorophenol	8.95	196	3885	0.92	nq	# 90
45) 1,1'-Biphenyl	9.09	154	22947	1.28	nq	94
46) 2-Chloronaphthalene	9.11	162	14762	1.12	nq	91
47) 2-Nitroaniline	9.20	65	4270	0.94	nq	# 83
48) Acenaphthylene	9.52	152	22344	1.06	nq	99
49) Dimethylphthalate	9.39	163	17321	1.10	nq	96
50) 2,6-Dinitrotoluene	9.45	165	3262	0.96	nq	# 81
51) Acenaphthene	9.70	154	13892	1.12	nq	96
52) 3-Nitroaniline	9.62	138	3958	0.98	nq	83
54) Dibenzofuran	9.87	168	19747	1.13	nq	# 91
55) 4-Nitrophenol	9.79	139	1959	0.66	nq	# 44
56) 2,4-Dinitrotoluene	9.85	165	3894	0.89	nq	# 84
57) Fluorene	10.21	166	16580	1.29	nq	97
58) 2,3,4,6-Tetrachlorophenol	9.99	232	2474	0.85	nq	# 92
59) Diethylphthalate	10.09	149	16441	1.07	nq	96
60) 4-Chlorophenyl-phenylether	10.20	204	6965	0.35	nq	98
61) 4-Nitroaniline	10.22	138	3220	0.85	nq	92
62) Azobenzene	10.37	77	14132	1.04	nq	91
64) 4,6-Dinitro-2-methylphenol	10.26	198	659	0.28	nq	# 85
65) n-Nitrosodiphenylamine	10.32	169	13275	1.01	nq	90
66) 4-Bromophenyl-phenylether	10.69	248	3560	0.95	nq	97
67) Hexachlorobenzene	10.76	284	4267	1.02	nq	100
68) Atrazine	10.85	200	3367	0.90	nq	86
69) Pentachlorophenol	10.96	266	1139	0.56	nq	91
70) Phenanthrene	11.16	178	22631	1.13	nq	99
71) Anthracene	11.22	178	20520	1.01	nq	98
72) Carbazole	11.37	167	21475	1.09	nq	96
73) Di-n-butylphthalate	11.72	149	25503	1.04	nq	99
74) Fluoranthene	12.35	202	21118	1.10	nq	97
76) Benzidine	12.47	184	5344	0.60	nq	93
77) Pyrene	12.57	202	22206	0.90	nq	96
79) Butylbenzylphthalate	13.20	149	10205	1.73	nq	# 83
80) Benzo(a)anthracene	13.76	228	17313	1.02	nq	95
81) 3,3'-Dichlorobenzidine	13.72	252	5198	0.85	nq	# 90
82) Chrysene	13.79	228	16833	1.01	nq	100
83) Bis(2-ethylhexyl)phthalate	13.77	149	14804	1.03	nq	# 95
84) Di-n-octyl phthalate	14.38	149	21157	0.89	nq	# 79
85) Indeno(1,2,3-cd)pyrene	16.45	276	13413	4.16	nq	# 91
87) Benzo(b)fluoranthene	14.77	252	13530	1.21	nq	95
88) Benzo(k)fluoranthene	14.77	252	13530	1.28	nq	94
89) Benzo(a)pyrene	15.09	252	11027	1.08	nq	# 95
90) Dibenzo(a,h)anthracene	16.47	278	11433	1.21	nq	# 88
91) Benzo(g,h,i)perylene	16.84	276	11592	1.15	nq	98

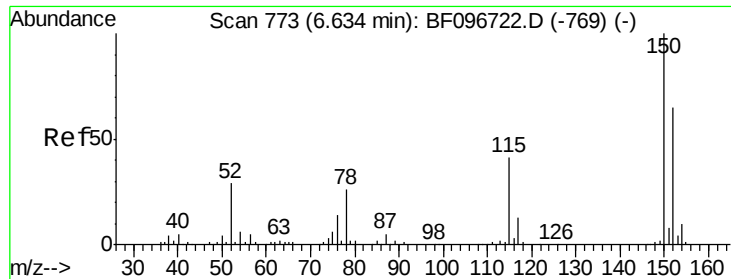
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample    : I3575-01  
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ALS Vial  : 10    Sample Multiplier: 1
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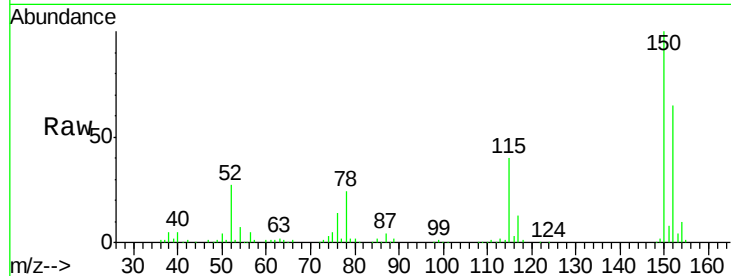


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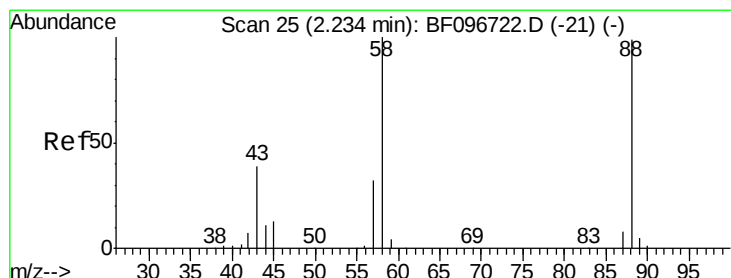
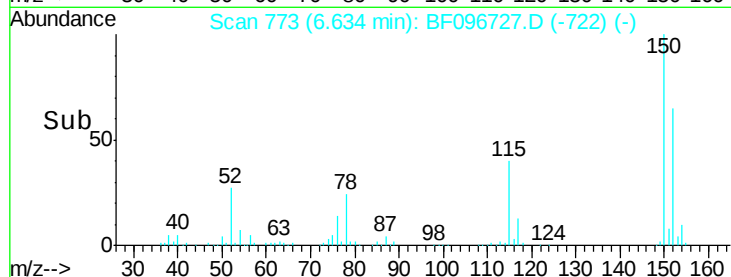
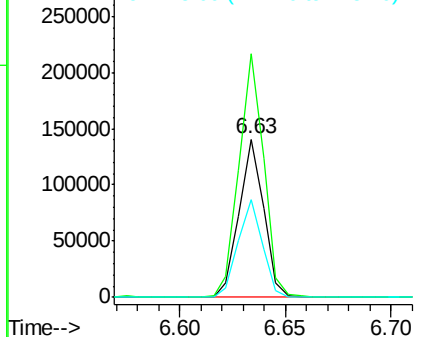
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.00 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

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

Tot Ion:152 Resp: 112508
Ion Ratio Lower Upper
152 100
150 153.8 126.2 189.2
115 61.8 52.2 78.2



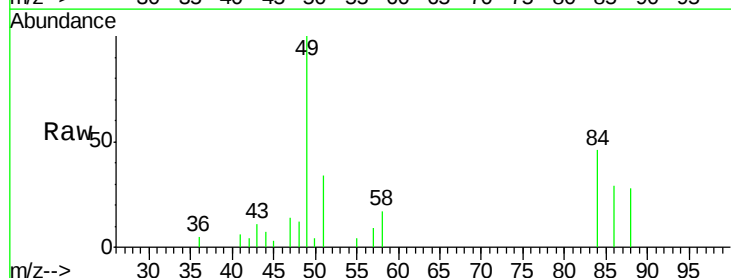
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



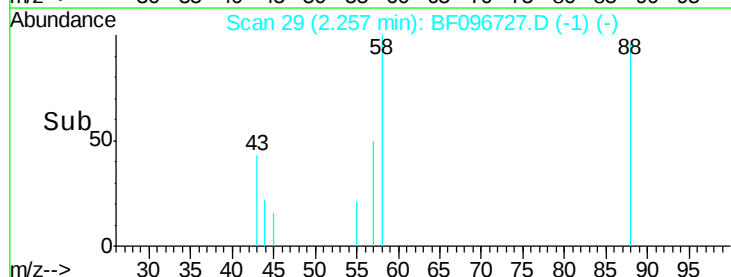
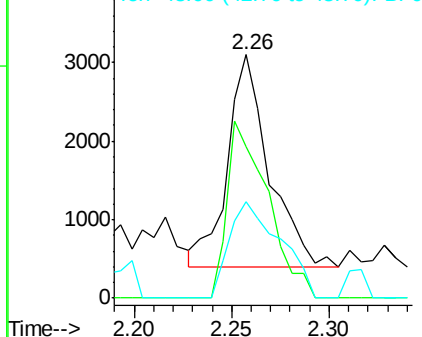
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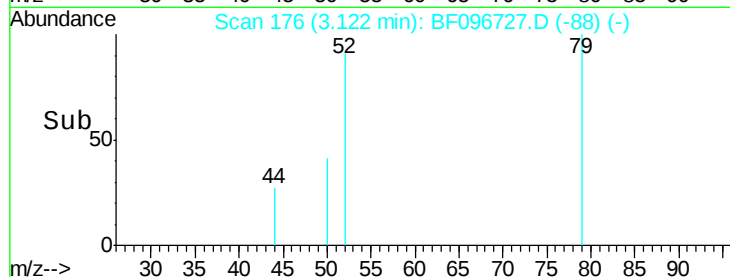
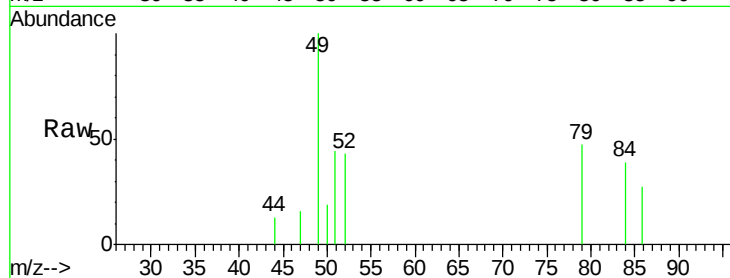
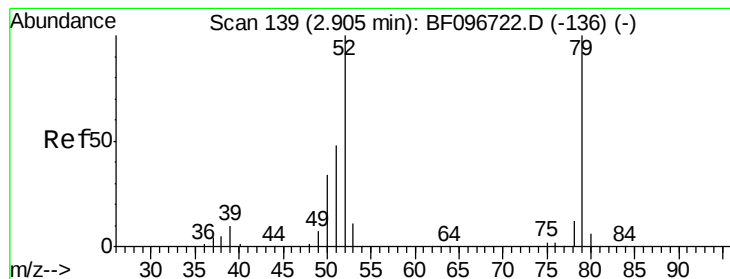
1,4-Dioxane
Concen: 1.03 ng
RT: 2.26 min Scan# 29
Delta R.T. 0.02 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion: 88 Resp: 3983
Ion Ratio Lower Upper
88 100
58 81.4 61.4 92.0
43 55.5 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 0.36 ng

RT: 3.12 min Scan# 176

Delta R.T. 0.22 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

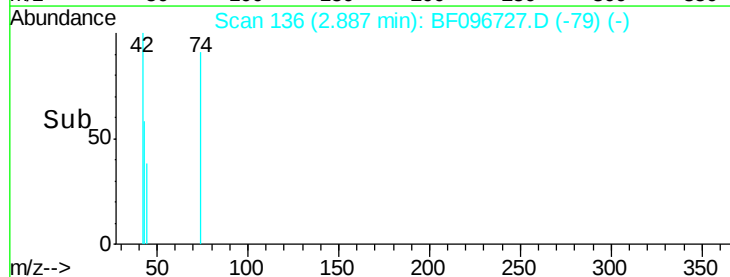
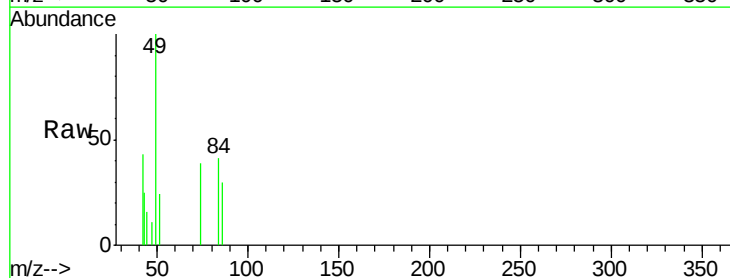
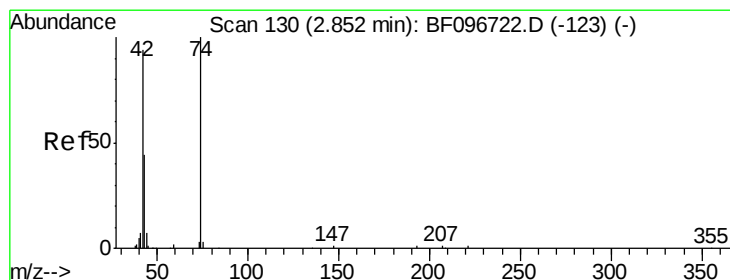
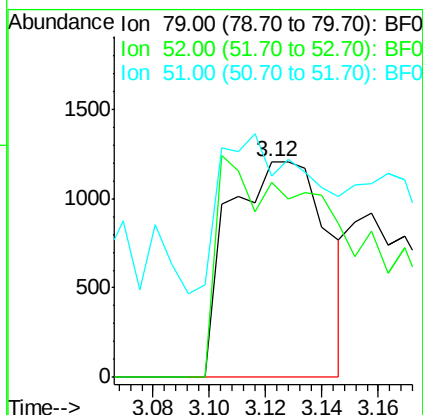
Tot Ion: 79 Resp: 2875

Ion Ratio Lower Upper

79 100

52 90.5 54.8 82.2#

51 93.4 27.0 40.4#



#4

n-Nitrosodimethylamine

Concen: 0.44 ng

RT: 2.89 min Scan# 136

Delta R.T. 0.04 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

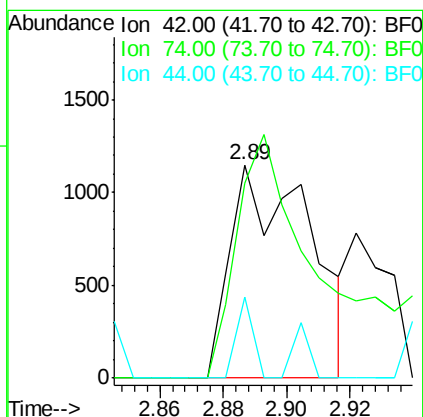
Tgt Ion: 42 Resp: 1998

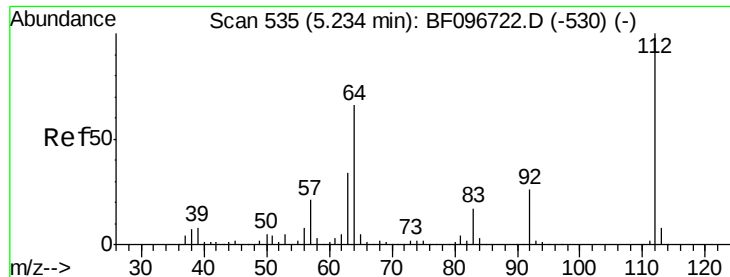
Ion Ratio Lower Upper

42 100

74 91.5 103.9 155.9#

44 37.8 5.7 8.5#





#5

2-Fluorophenol

Concen: 122.13 ng

RT: 5.24 min Scan# 536

Delta R.T. 0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

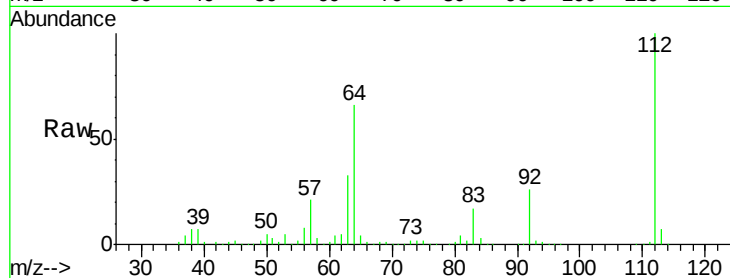
Tot Ion:112 Resp: 913839

Ion Ratio Lower Upper

112 100

64 66.1 46.0 69.0

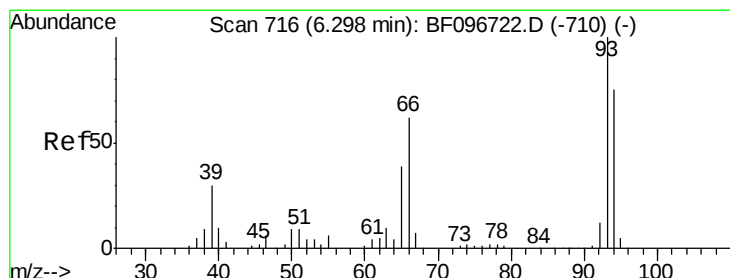
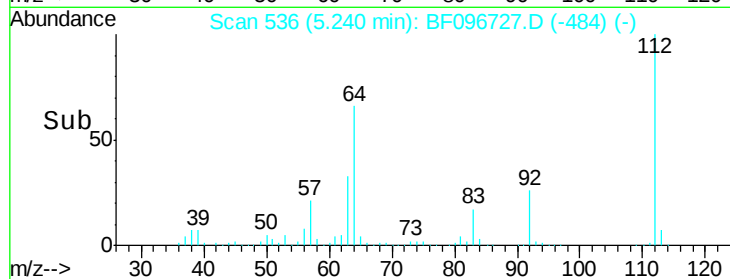
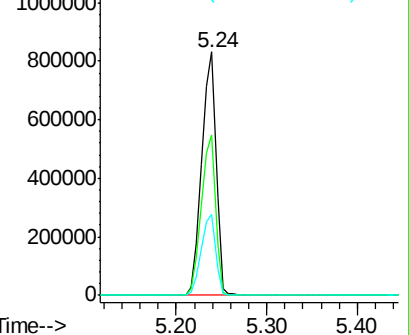
63 33.3 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 0.97 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

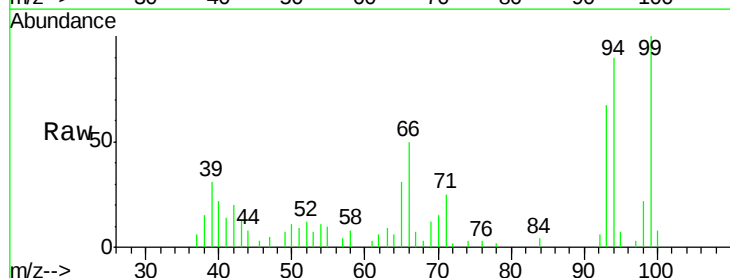
Tgt Ion: 93 Resp: 10691

Ion Ratio Lower Upper

93 100

66 74.5 32.9 49.3#

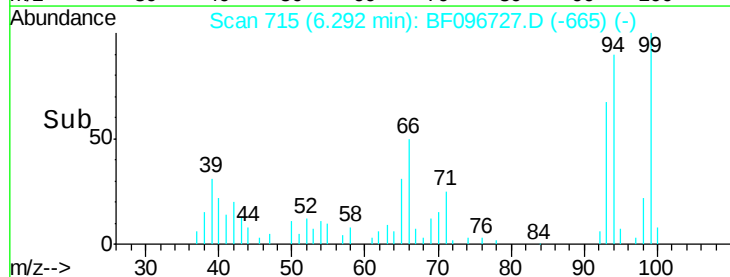
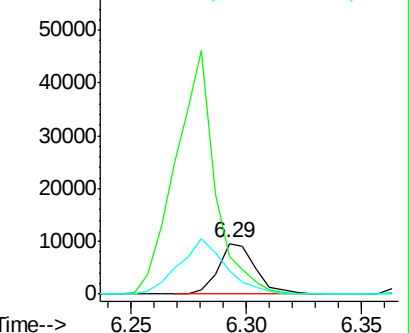
65 46.8 16.0 24.0#

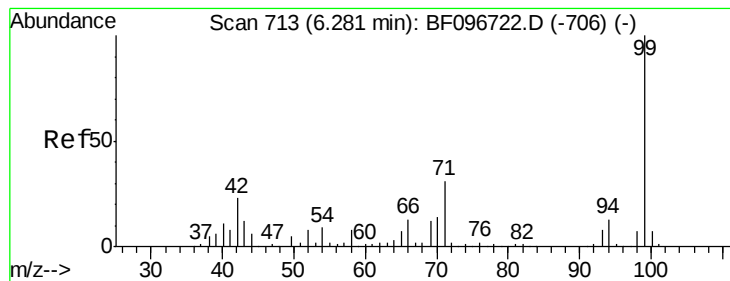


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 121.89 ng

RT: 6.28 min Scan# 713

Delta R.T. -0.00 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

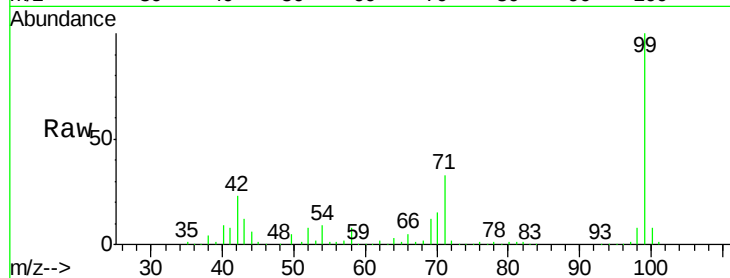
BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tot Ion: 99 Resp: 1094473

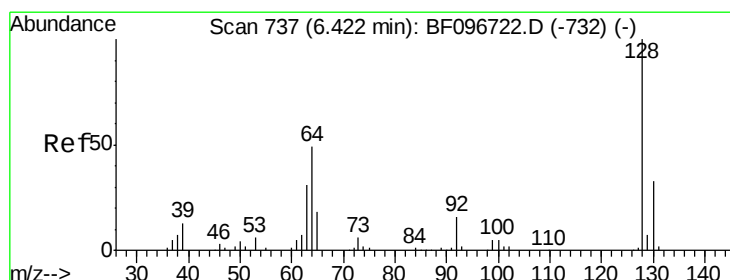
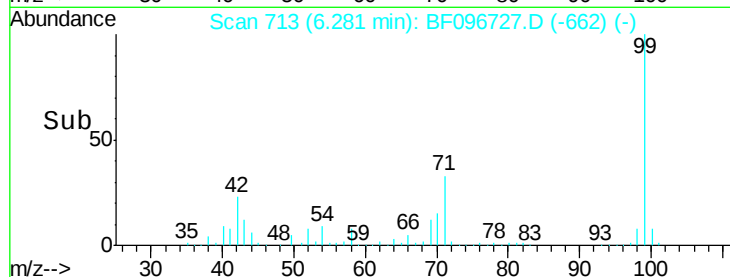
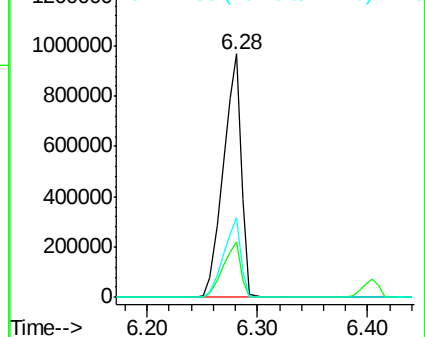
Ion	Ratio	Lower	Upper
99	100		
42	22.9	13.5	20.3#
71	32.8	24.5	36.7



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: 1.01 ng

RT: 6.42 min Scan# 736

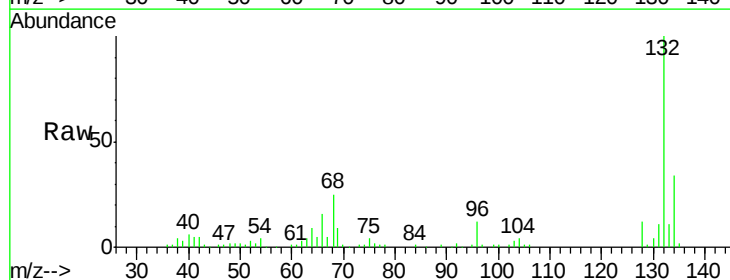
Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Tgt Ion: 128 Resp: 8162

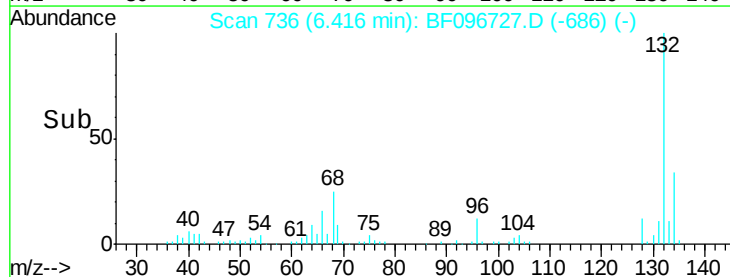
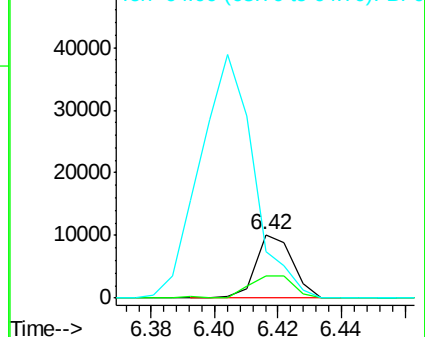
Ion	Ratio	Lower	Upper
128	100		
130	34.6	12.9	52.9
64	73.9	28.4	68.4#

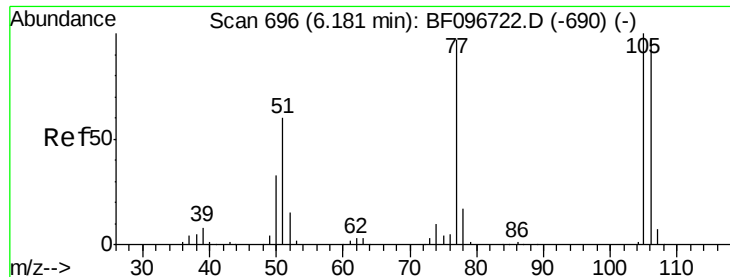


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0

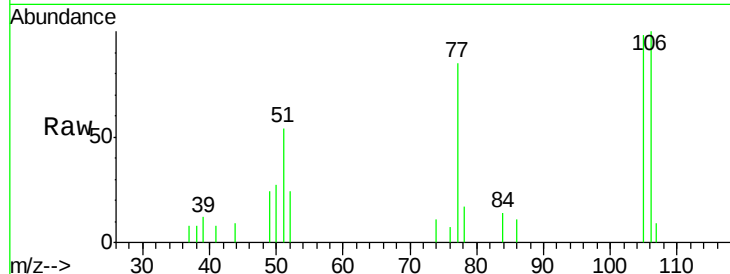




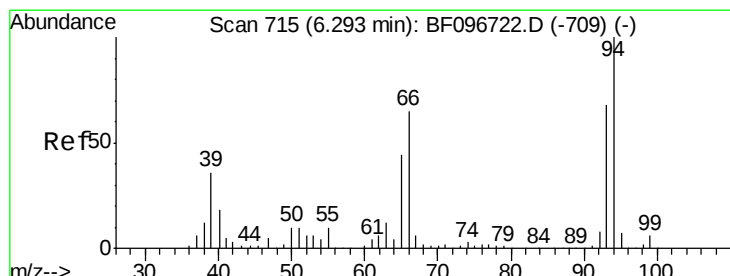
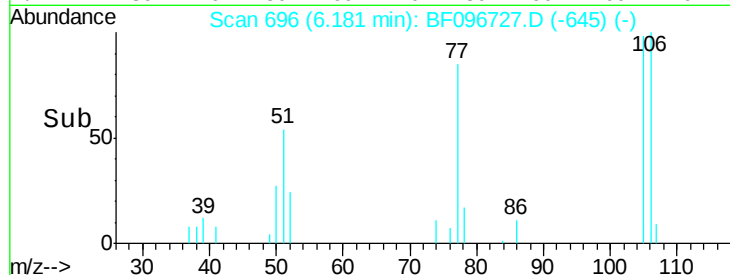
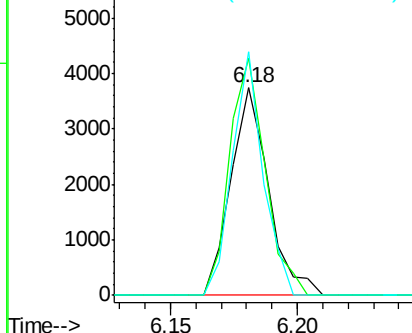
#9
Benzaldehyde
Concen: 0.75 ng
RT: 6.18 min Scan# 696
Delta R.T. -0.00 min
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Tot Ion: 77 Resp: 3877
Ion Ratio Lower Upper
77 100
105 114.6 83.8 123.8
106 117.4 79.1 119.1

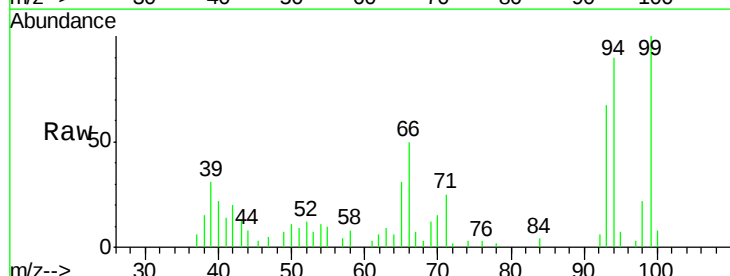


Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0

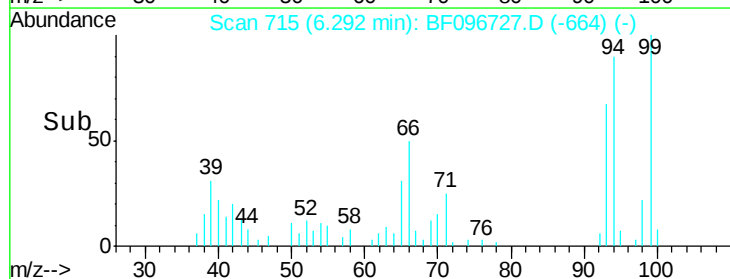
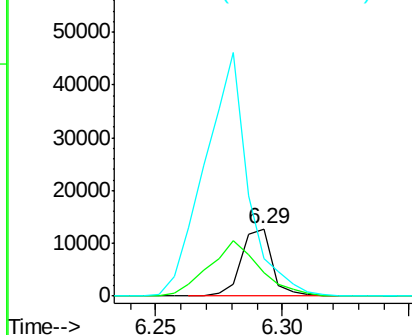


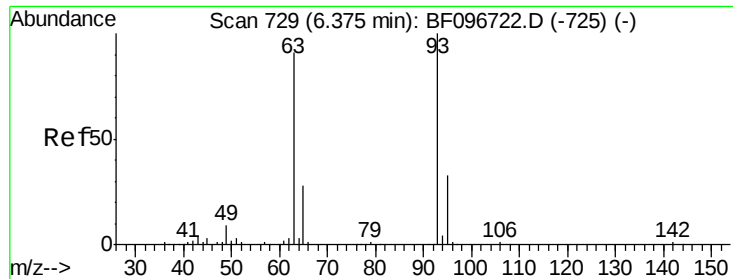
#10
Phenol
Concen: 1.05 ng
RT: 6.29 min Scan# 715
Delta R.T. -0.00 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion: 94 Resp: 10653
Ion Ratio Lower Upper
94 100
65 34.9 9.9 49.9
66 55.5 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

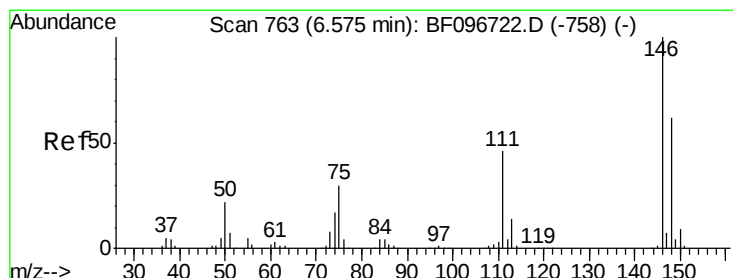
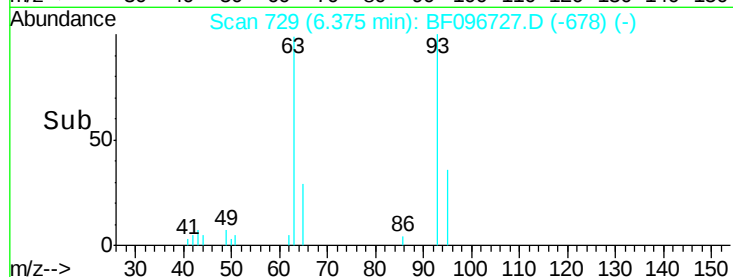
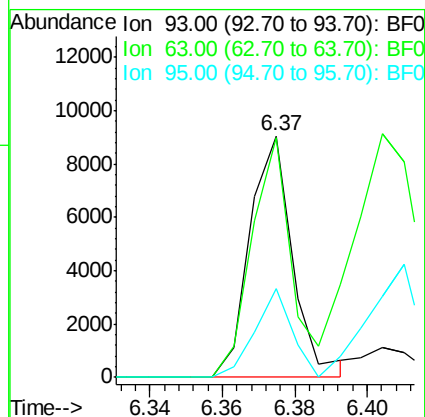
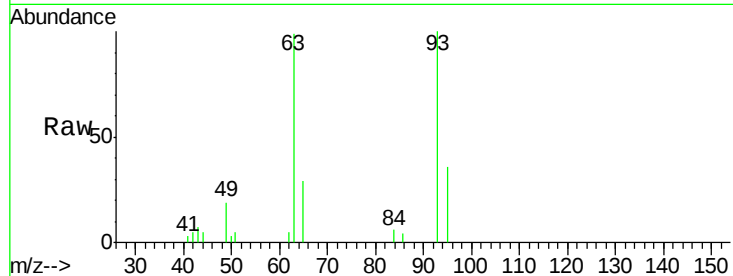




#11
bis(2-Chloroethyl)ether
Concen: 0.98 ng
RT: 6.37 min Scan# 729
Delta R.T. -0.00 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

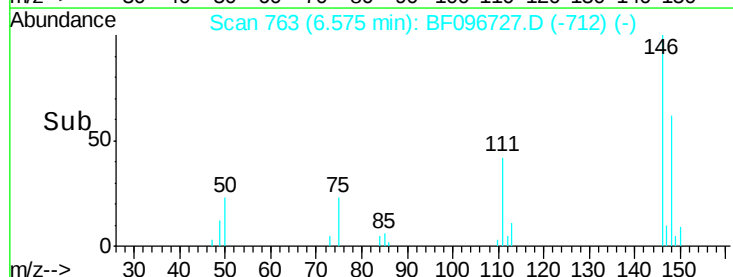
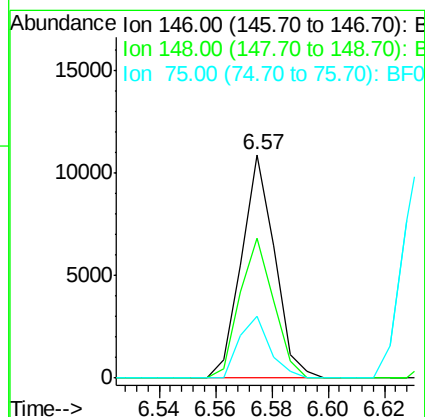
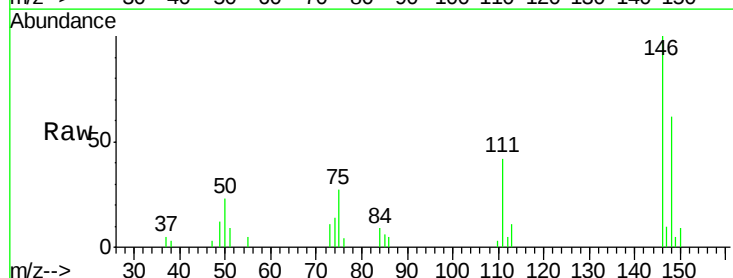
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

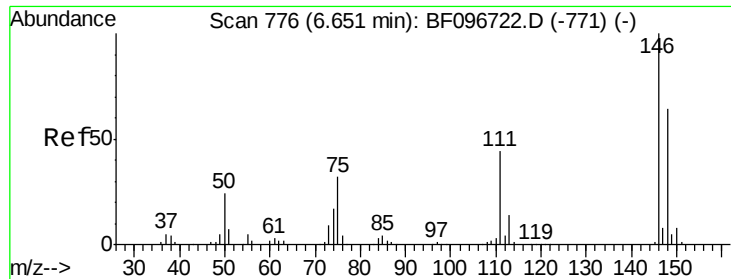
Tot Ion: 93 Resp: 7447
Ion Ratio Lower Upper
93 100
63 99.2 59.2 99.2#
95 36.5 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 1.04 ng
RT: 6.57 min Scan# 763
Delta R.T. -0.00 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion: 146 Resp: 8925
Ion Ratio Lower Upper
146 100
148 62.4 51.8 77.6
75 27.4 23.1 34.7

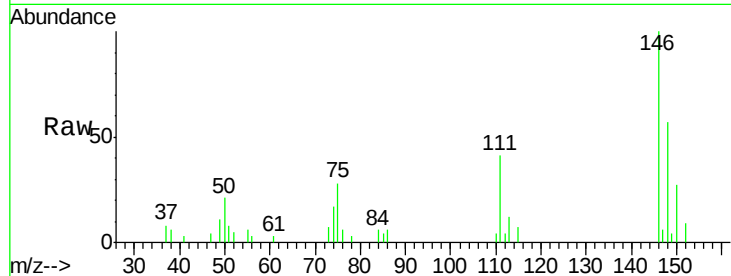




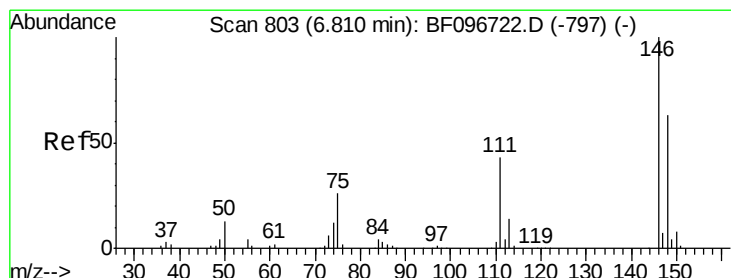
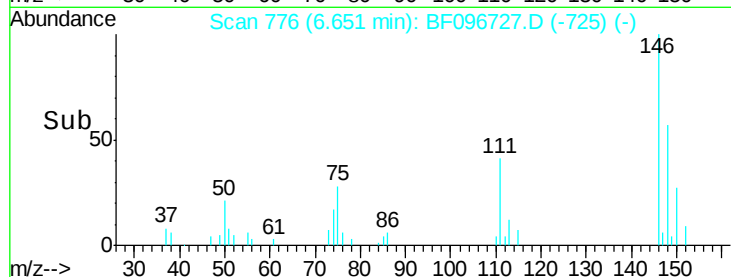
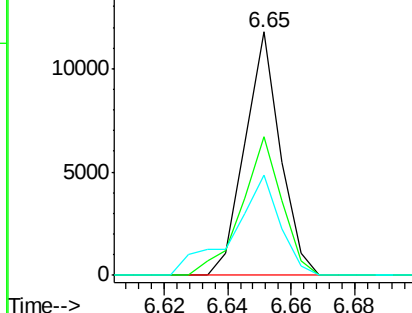
#13
 1,4-Dichlorobenzene
 Concen: 1.05 ng
 RT: 6.65 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

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

Tot Ion:146 Resp: 9123
 Ion Ratio Lower Upper
 146 100
 148 56.8 52.2 78.2
 111 41.4 30.3 45.5

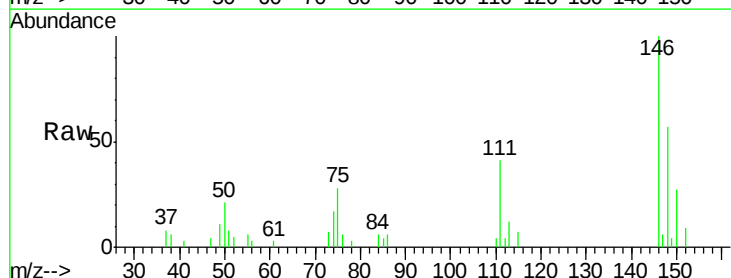


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

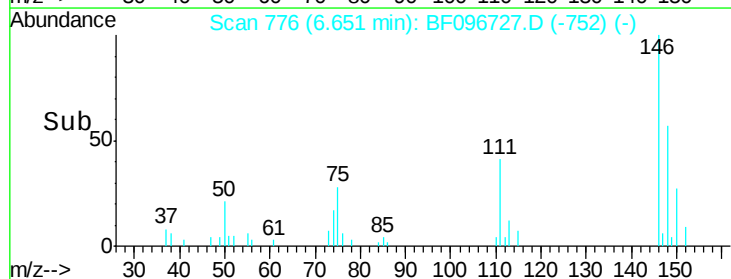
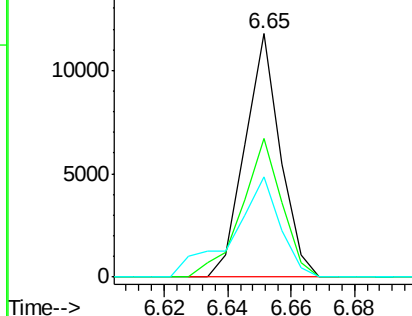


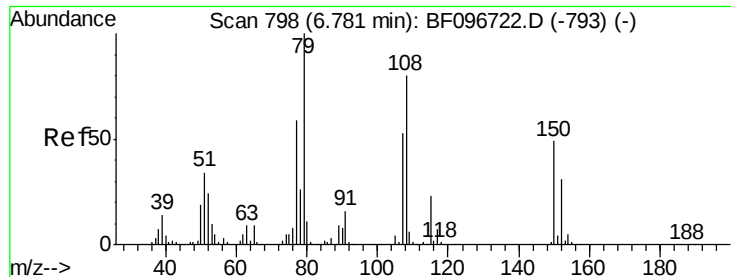
#14
 1,2-Dichlorobenzene
 Concen: 1.15 ng
 RT: 6.65 min Scan# 776
 Delta R.T. -0.16 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Tgt Ion:146 Resp: 9123
 Ion Ratio Lower Upper
 146 100
 148 56.8 50.4 75.6
 111 41.4 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: 2.90 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

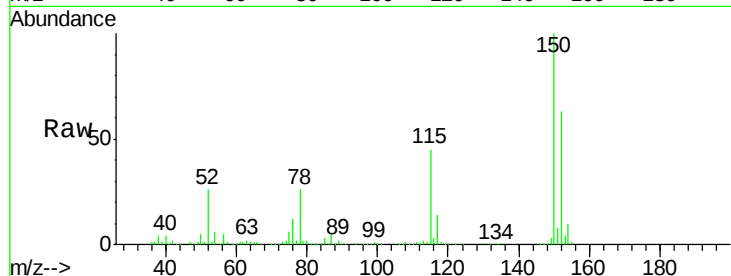
Tot Ion: 79 Resp: 17069

Ion Ratio Lower Upper

79 100

108 29.1 63.4 95.0#

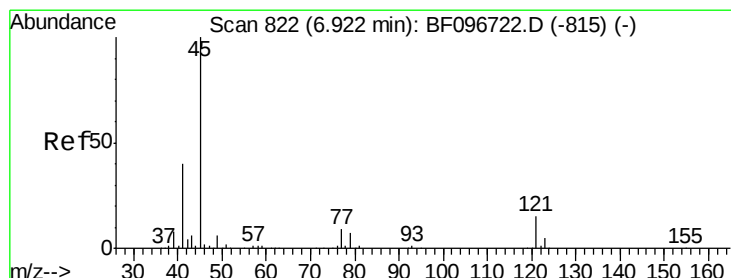
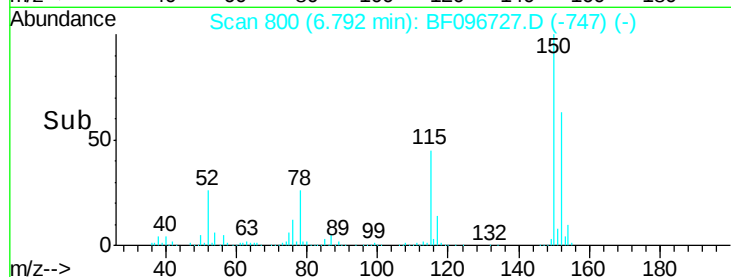
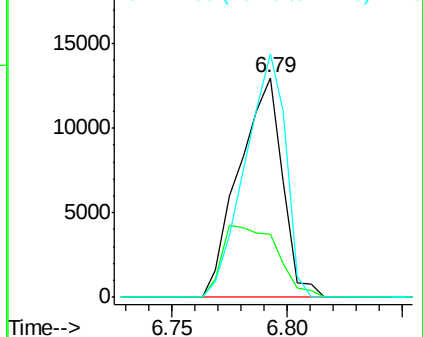
77 111.0 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 1.06 ng

RT: 6.92 min Scan# 821

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

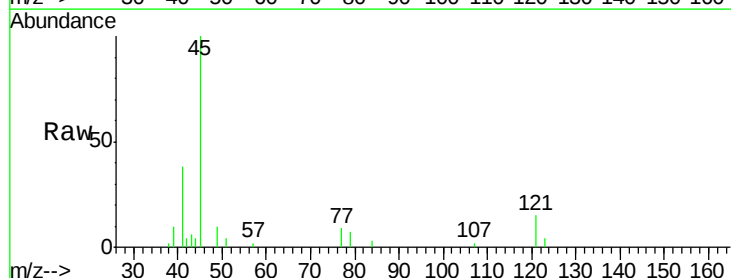
Tgt Ion: 45 Resp: 16662

Ion Ratio Lower Upper

45 100

77 9.0 0.0 33.2

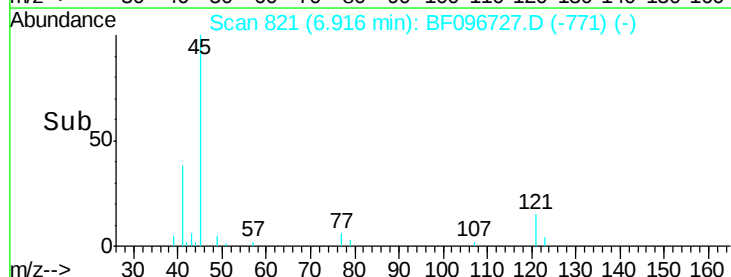
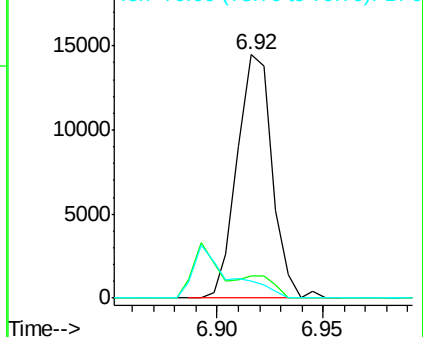
79 7.2 0.0 30.0

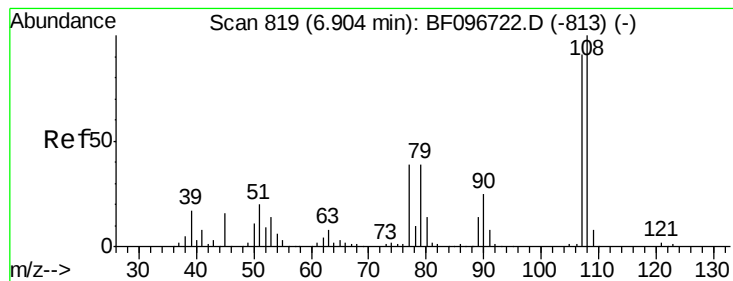


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

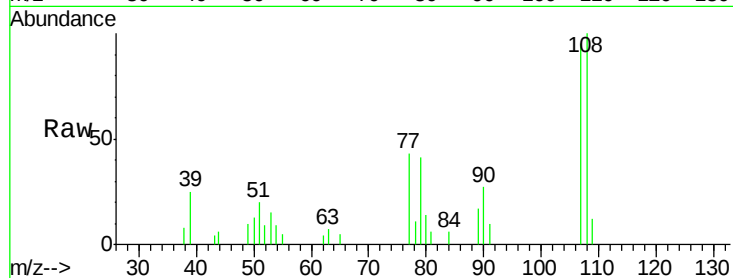




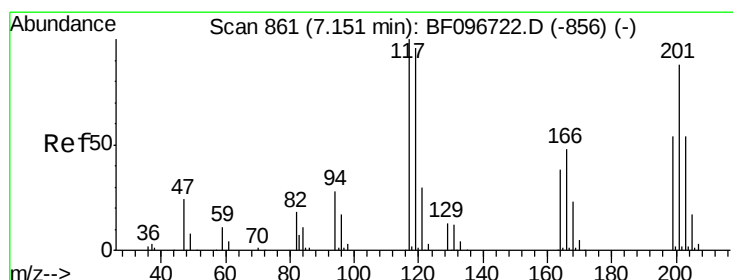
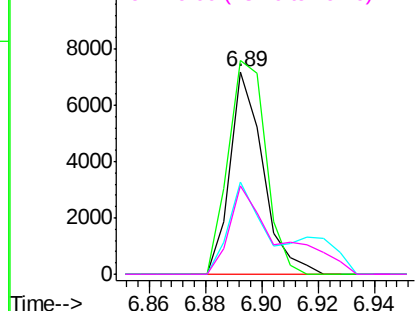
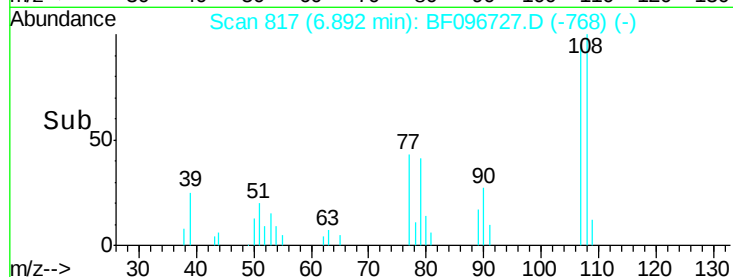
#17
2-Methylphenol
Concen: 0.94 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

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

Tot Ion:	107	Resp:	5876
Ion	Ratio	Lower	Upper
107	100		
108	105.4	93.4	140.0
77	45.5	35.8	53.6
79	43.3	34.8	52.2

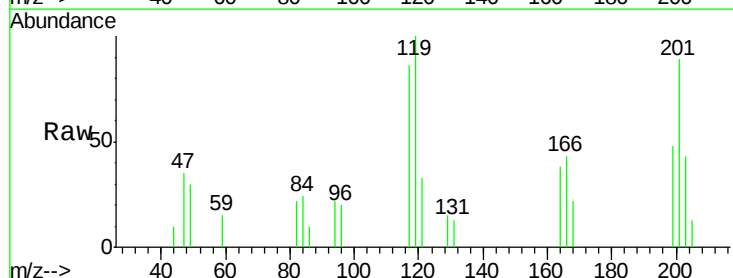


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

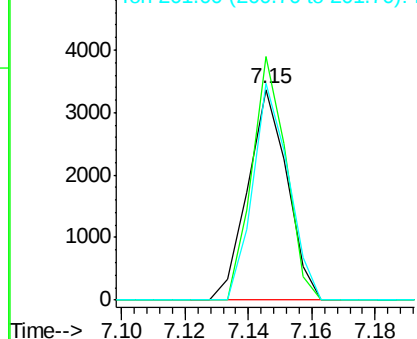
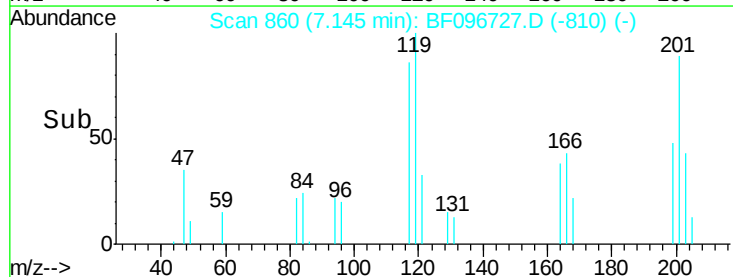


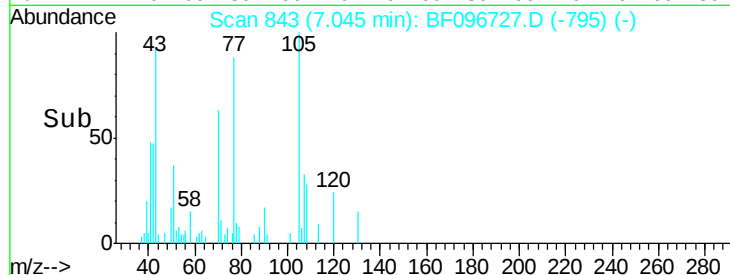
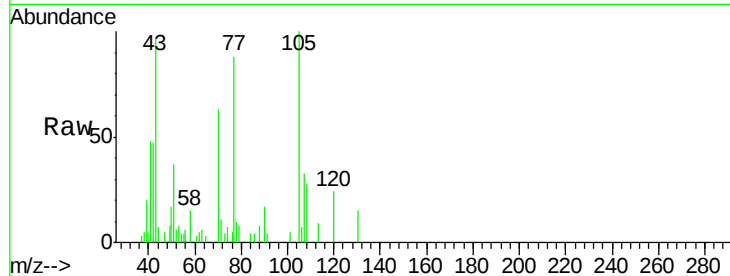
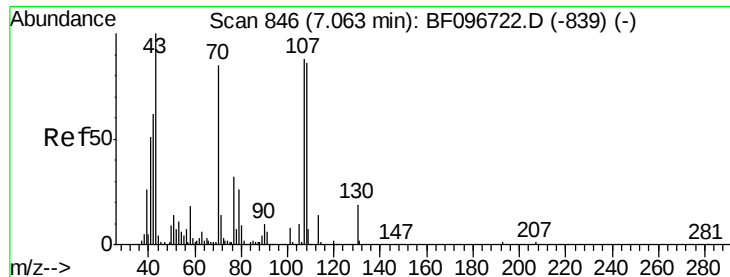
#18
Hexachloroethane
Concen: 0.94 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion:	117	Resp:	2904
Ion	Ratio	Lower	Upper
117	100		
119	115.7	77.4	116.0
201	102.9	94.6	141.8



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

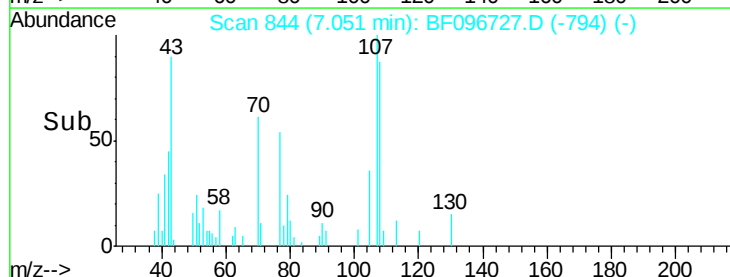
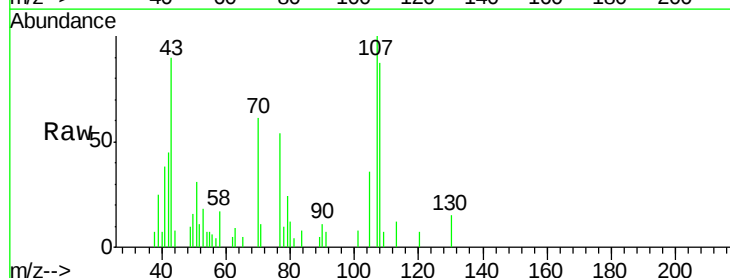
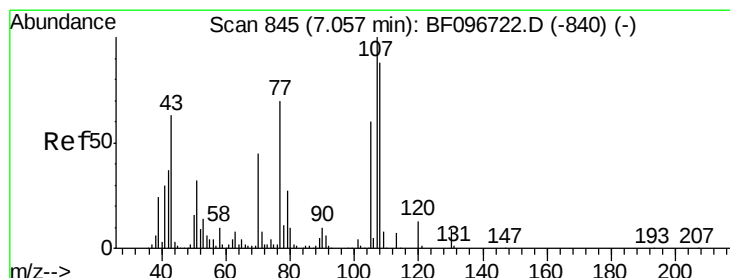
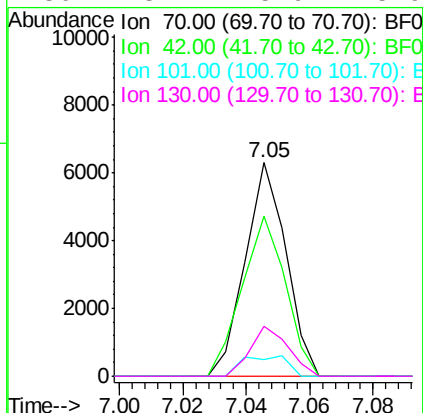




#19
n-Nitroso-di-n-propylamine
Concen: 1.04 ng
RT: 7.05 min Scan# 843
Delta R.T. -0.02 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

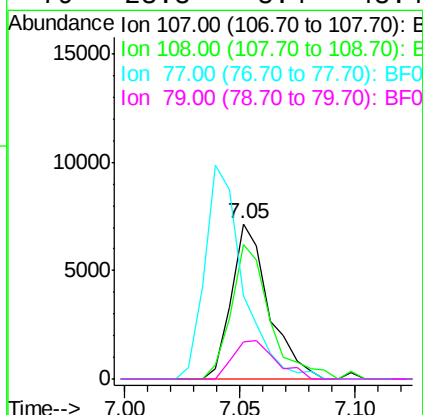
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

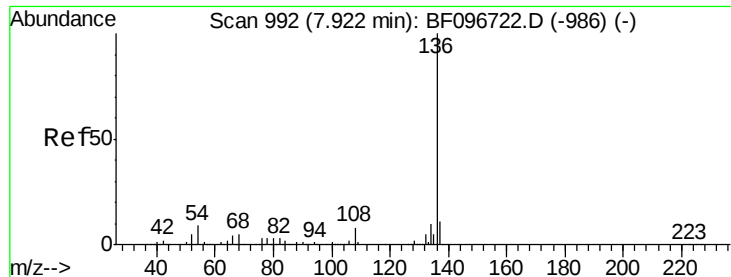
Tot Ion:	70	Resp:	5637
Ion	Ratio	Lower	Upper
70	100		
42	74.7	47.2	70.8#
101	7.6	7.2	10.8
130	23.4	15.9	23.9



#20
3+4-Methylphenols
Concen: 1.06 ng
RT: 7.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion:	107	Resp:	8079
Ion	Ratio	Lower	Upper
107	100		
108	87.0	71.0	111.0
77	53.8	90.5	130.5#
79	23.8	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: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tot Ion:136 Resp: 476640

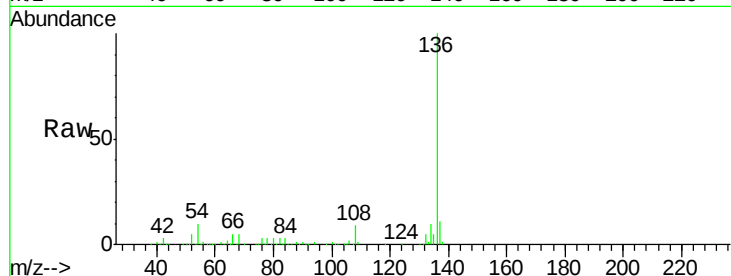
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.2 4.9 7.3#

68 5.2 4.1 6.1

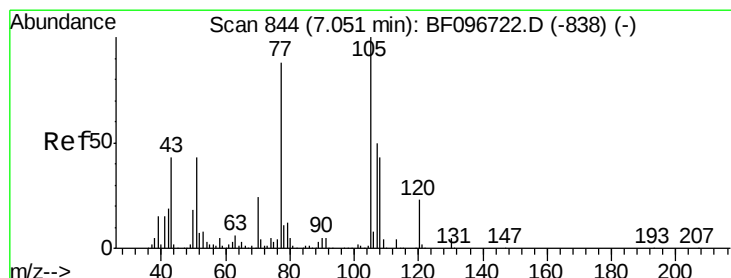
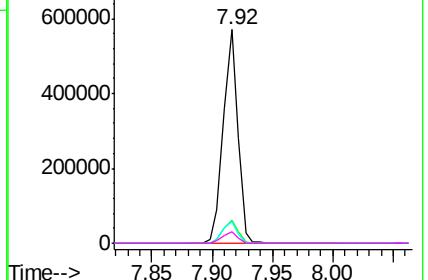
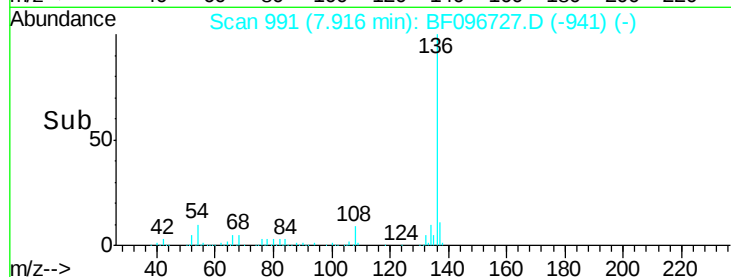


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.07 ng

RT: 7.04 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Tgt Ion:105 Resp: 11392

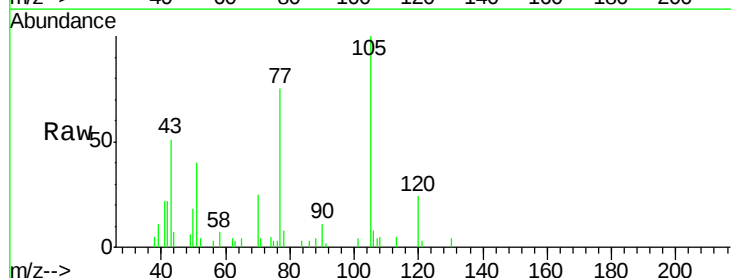
Ion Ratio Lower Upper

105 100

71 3.8 2.8 4.2

51 40.1 30.7 46.1

120 23.6 17.4 26.0

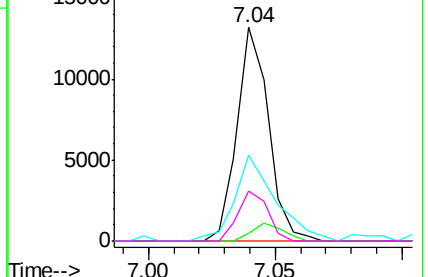
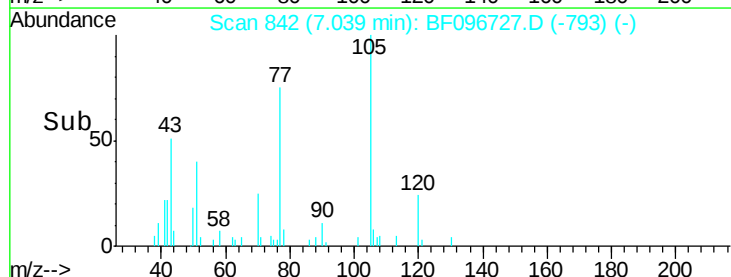


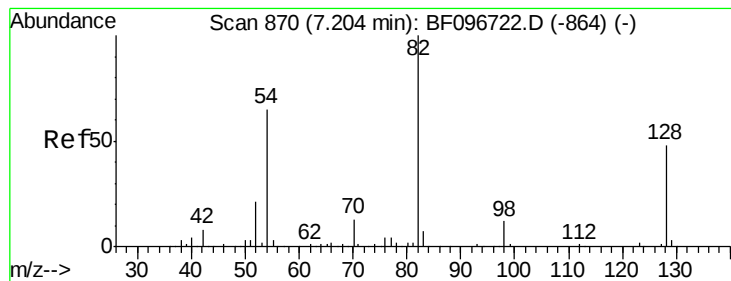
Abundance Ion 105.00 (104.70 to 105.70): E

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: 96.86 ng

RT: 7.20 min Scan# 869

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

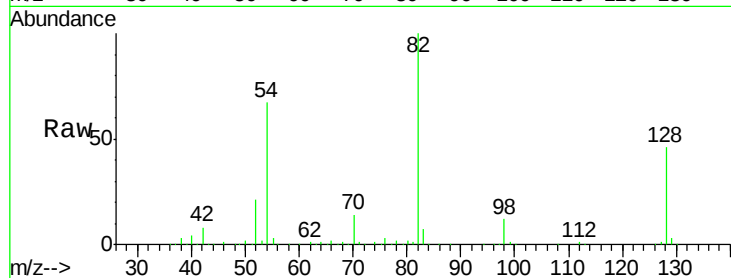
Tot Ion: 82 Resp: 745360

Ion Ratio Lower Upper

82 100

128 46.3 34.0 51.0

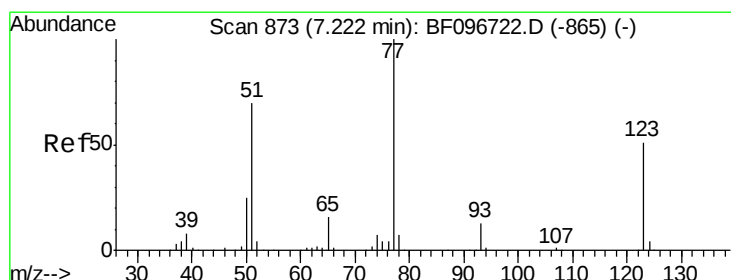
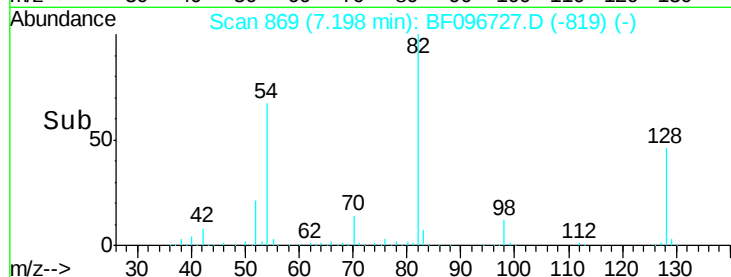
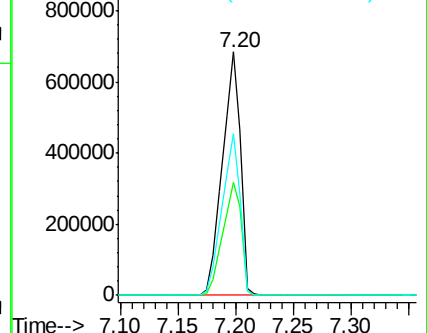
54 66.6 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 1.33 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

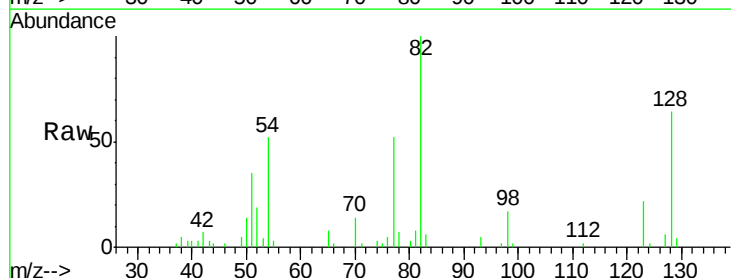
Tgt Ion: 77 Resp: 10578

Ion Ratio Lower Upper

77 100

123 42.5 35.8 53.8

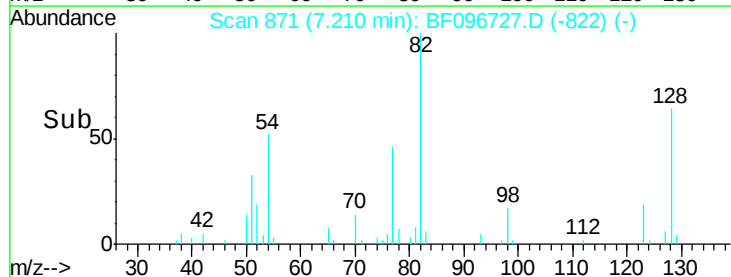
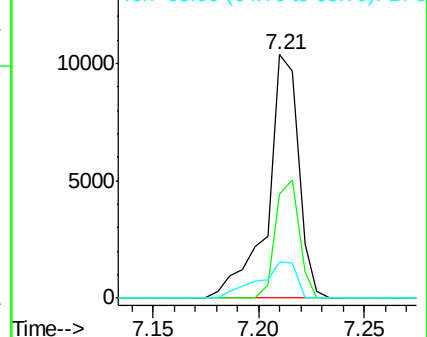
65 15.0 10.6 15.8

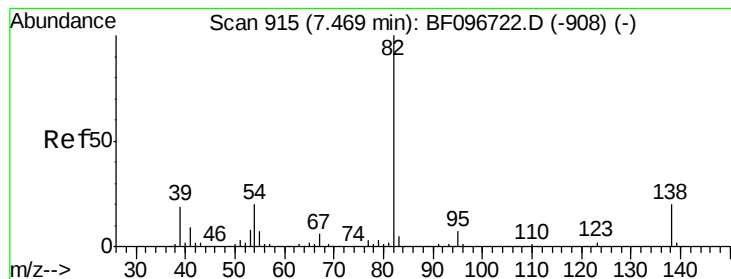


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 51.64 ng

RT: 7.20 min Scan# 869

Delta R.T. -0.27 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

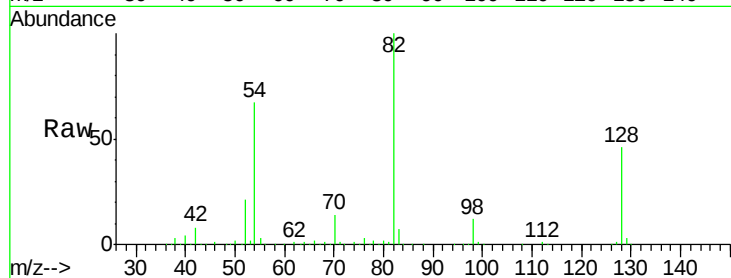
Tot Ion: 82 Resp: 739256

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

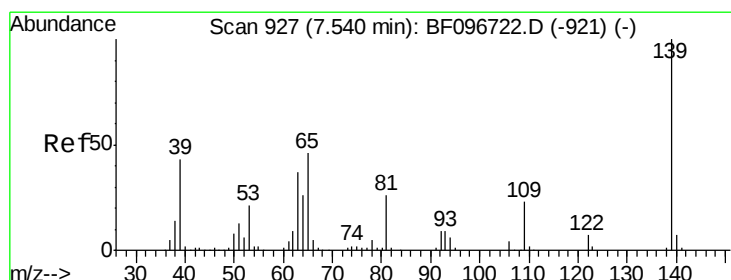
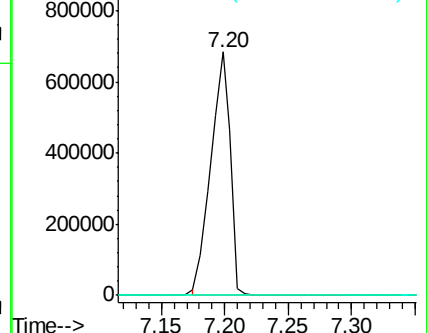
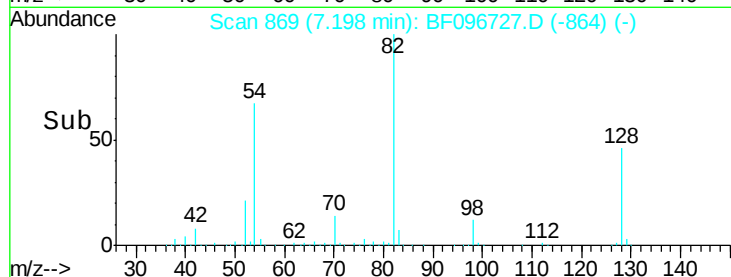
138 0.0 13.1 19.7#



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: 0.96 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

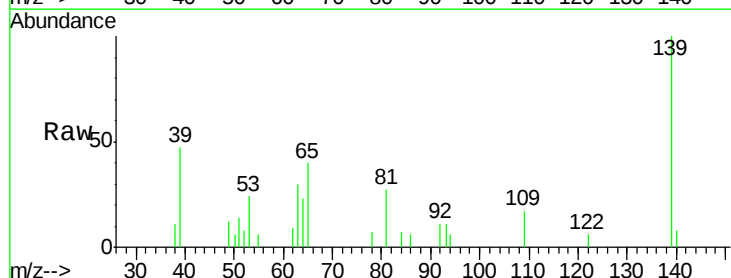
Tgt Ion: 139 Resp: 4249

Ion Ratio Lower Upper

139 100

109 16.9 21.0 31.6#

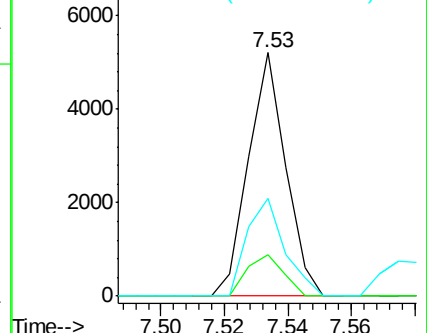
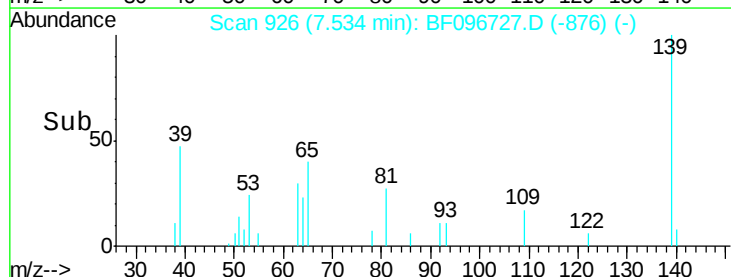
65 40.4 33.0 49.6

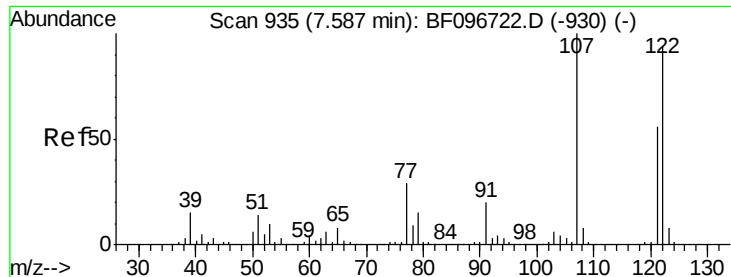


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

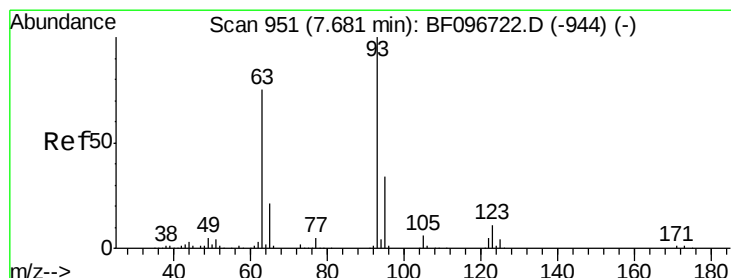
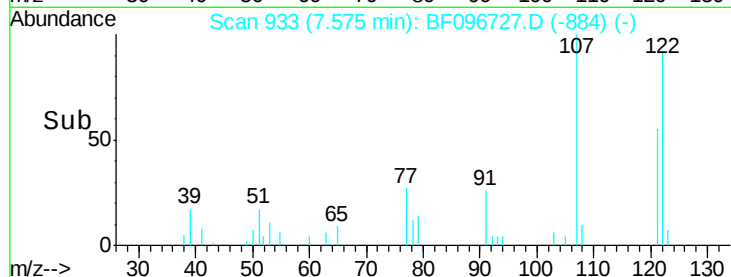
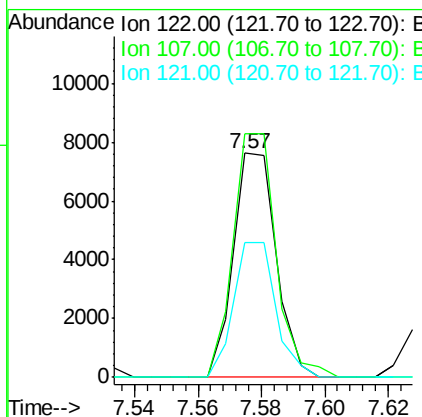
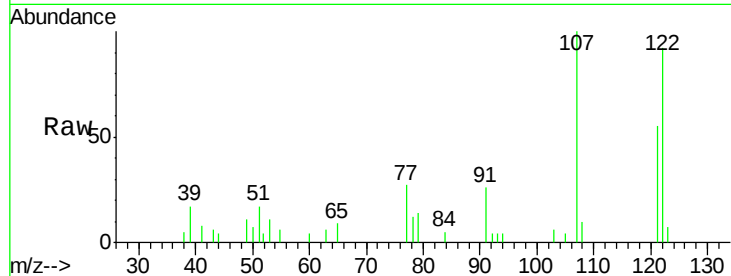




#27
 2,4-Dimethylphenol
 Concen: 0.98 ng
 RT: 7.57 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

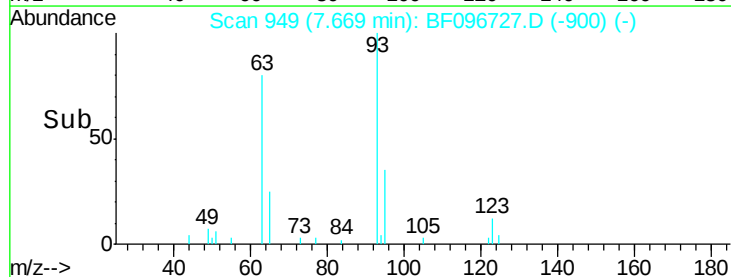
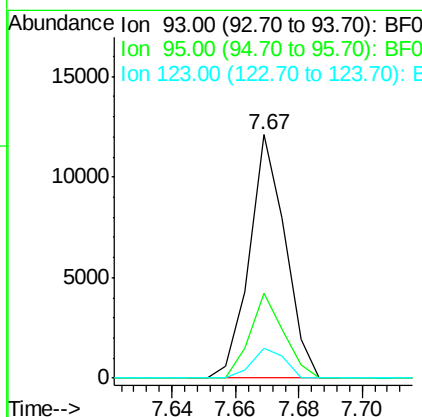
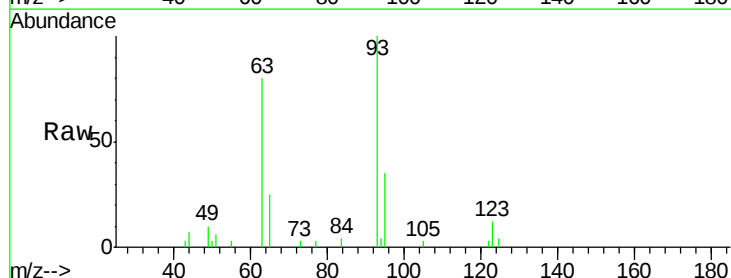
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

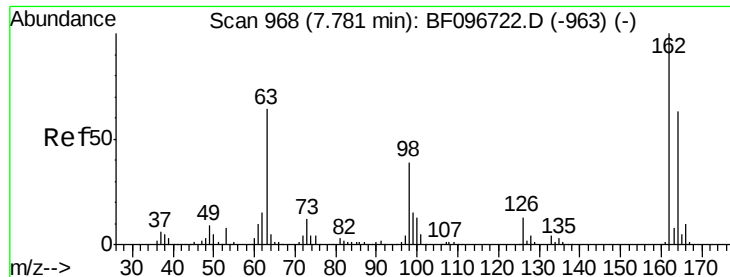
Tot Ion:122 Resp: 7108
 Ion Ratio Lower Upper
 122 100
 107 108.4 89.2 133.8
 121 60.0 45.2 67.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 0.98 ng
 RT: 7.67 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Tgt Ion: 93 Resp: 9479
 Ion Ratio Lower Upper
 93 100
 95 34.8 26.5 39.7
 123 12.1 9.0 13.4

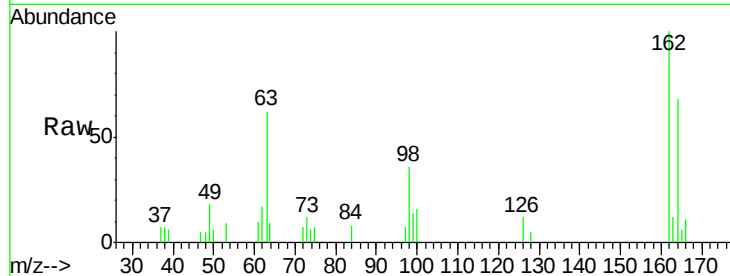




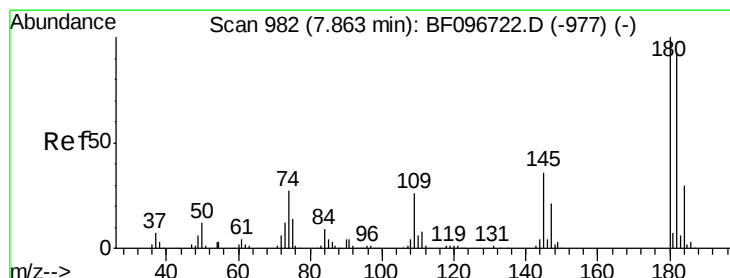
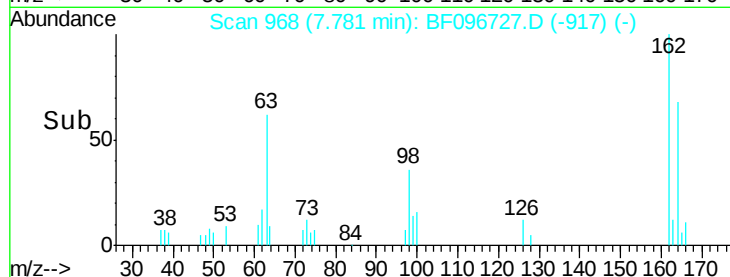
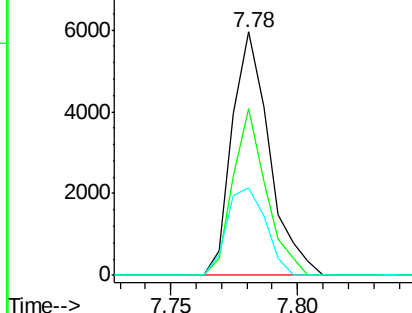
#29
 2,4-Dichlorophenol
 Concen: 0.92 ng
 RT: 7.78 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

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

Tot Ion:162 Resp: 6090
 Ion Ratio Lower Upper
 162 100
 164 68.3 44.6 84.6
 98 36.0 14.8 54.8

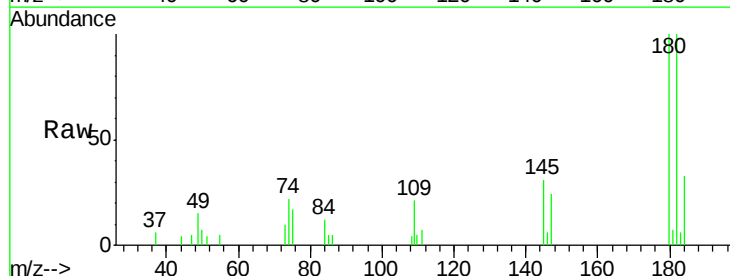


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

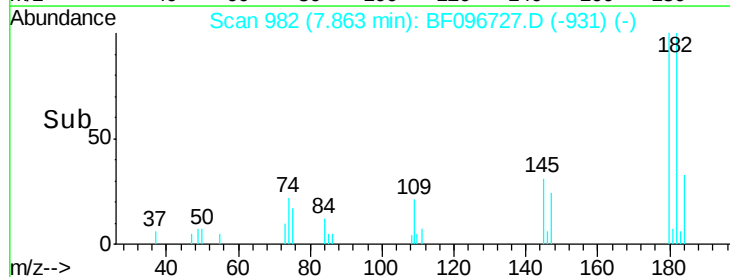
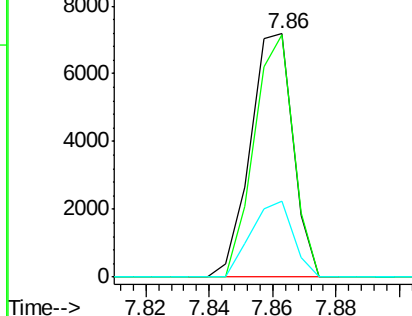


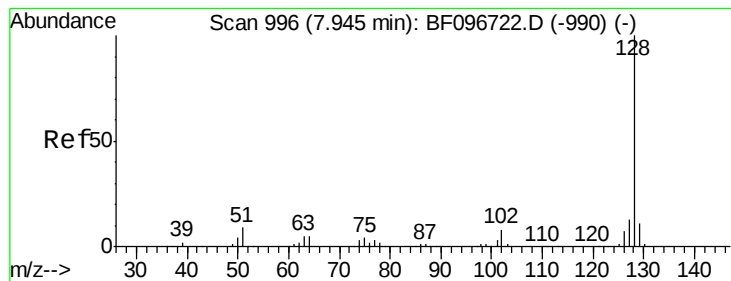
#30
 1,2,4-Trichlorobenzene
 Concen: 1.07 ng
 RT: 7.86 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Tgt Ion:180 Resp: 6729
 Ion Ratio Lower Upper
 180 100
 182 99.7 75.8 113.6
 145 31.2 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: 1.02 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

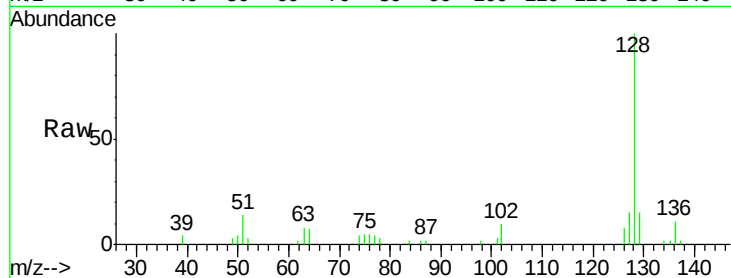
Tot Ion:128 Resp: 23046

Ion Ratio Lower Upper

128 100

129 14.8 9.0 13.6#

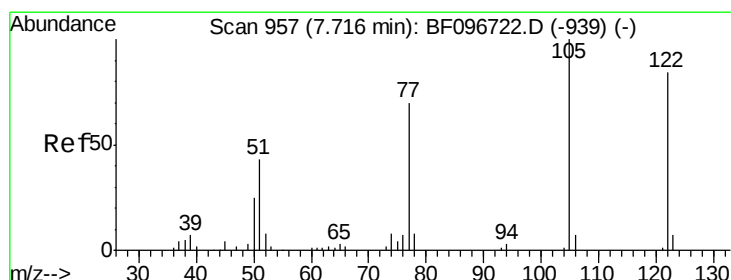
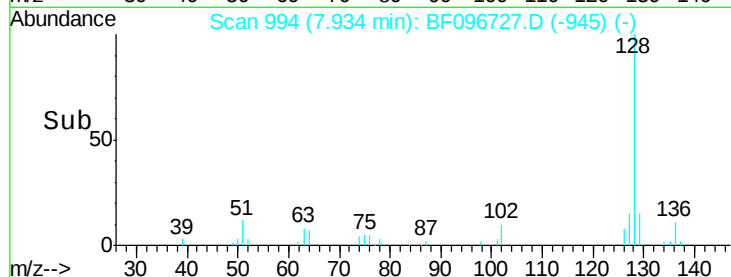
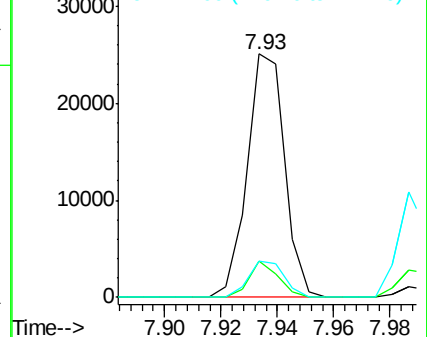
127 14.9 10.8 16.2



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: 0.59 ng

RT: 7.63 min Scan# 943

Delta R.T. -0.08 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

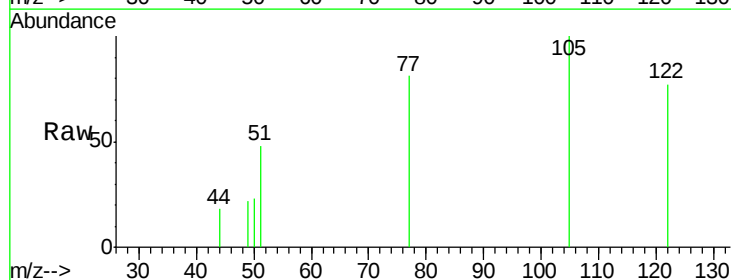
Tgt Ion:122 Resp: 2752

Ion Ratio Lower Upper

122 100

105 130.6 103.3 143.3

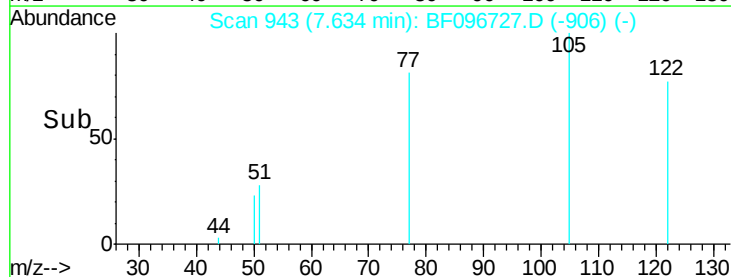
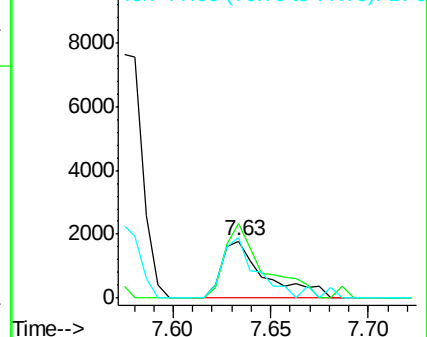
77 105.3 73.7 113.7

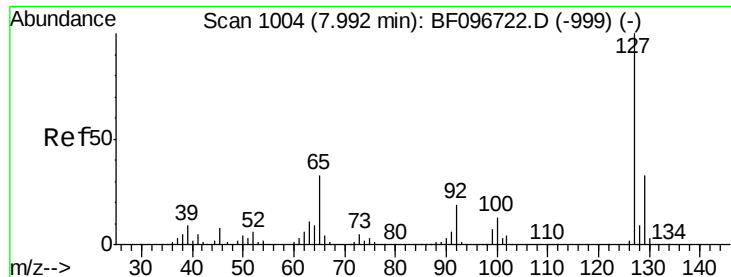


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

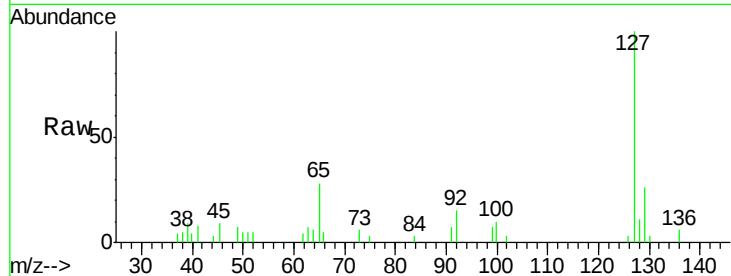




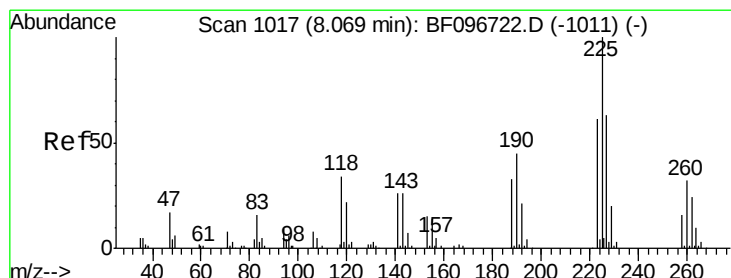
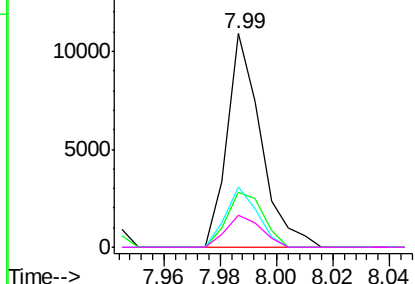
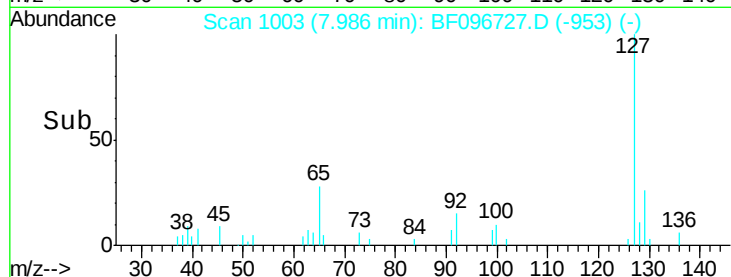
#33
4-Chloroaniline
Concen: 1.01 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

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

Tot Ion:127 Resp: 9057
Ion Ratio Lower Upper
127 100
129 25.9 26.2 39.2#
65 28.2 27.8 41.8
92 15.1 16.8 25.2#

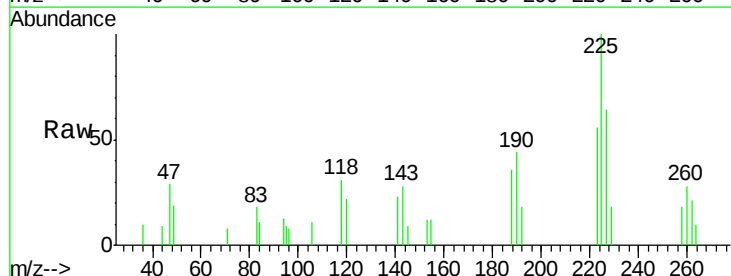


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

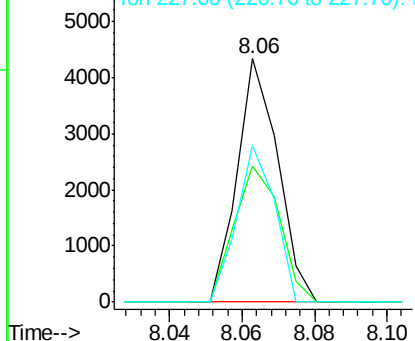
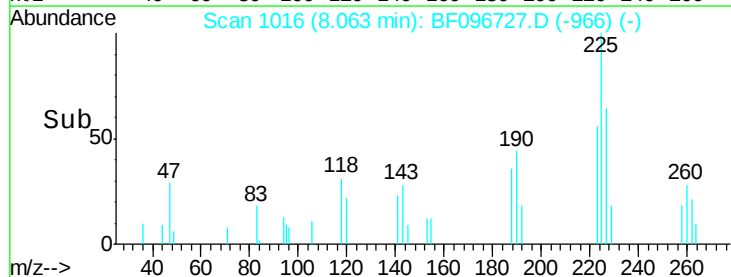


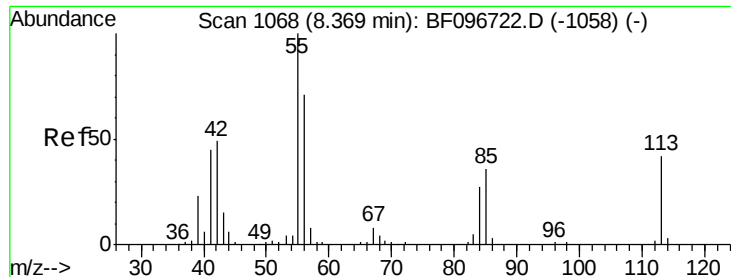
#34
Hexachlorobutadiene
Concen: 1.01 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion:225 Resp: 3386
Ion Ratio Lower Upper
225 100
223 55.8 48.8 73.2
227 64.3 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

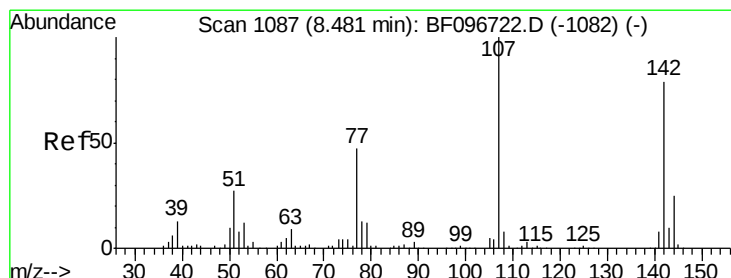
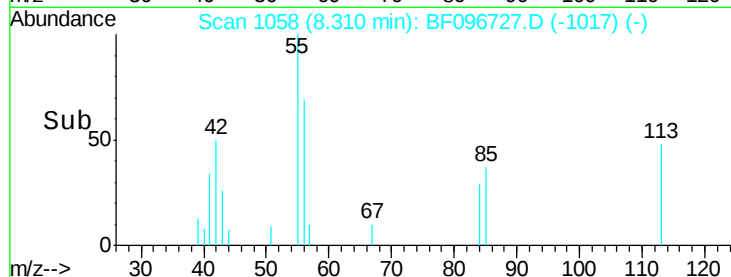
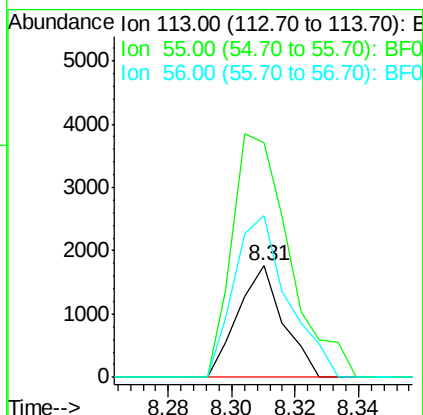
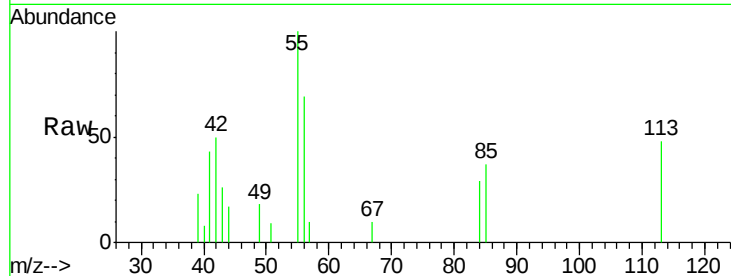




#35
 Caprolactam
 Concen: 0.83 ng
 RT: 8.31 min Scan# 1058
 Delta R.T. -0.06 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

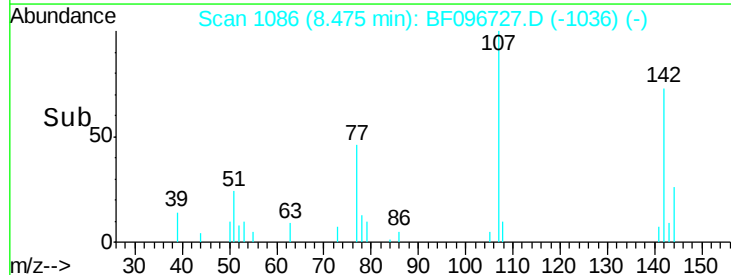
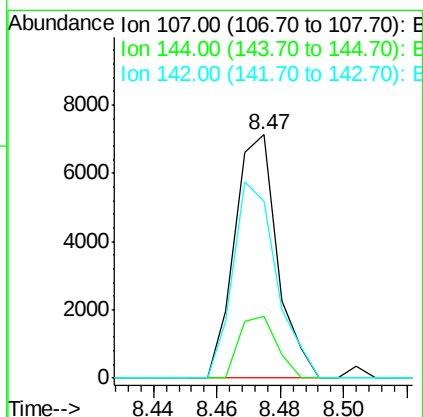
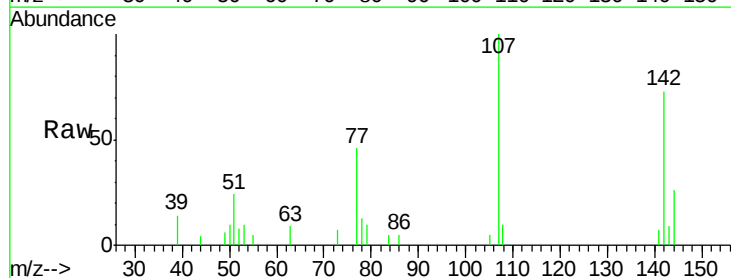
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

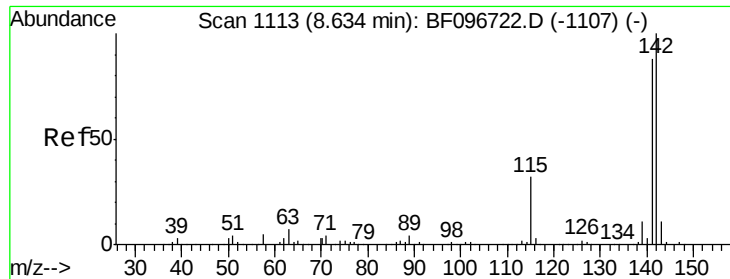
Tot Ion:113 Resp: 1748
 Ion Ratio Lower Upper
 113 100
 55 210.5 150.2 190.2#
 56 144.8 107.8 147.8



#36
 4-Chloro-3-methylphenol
 Concen: 0.94 ng
 RT: 8.47 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Tgt Ion:107 Resp: 6649
 Ion Ratio Lower Upper
 107 100
 144 25.5 24.2 36.4
 142 72.8 73.4 110.0#

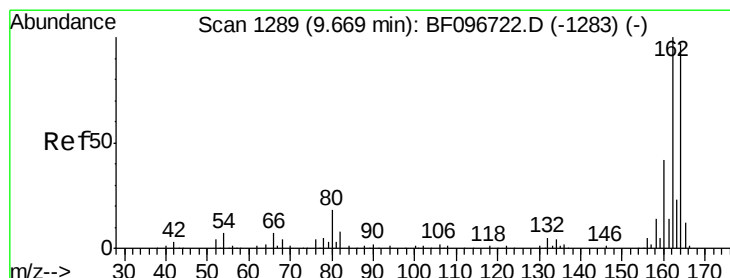
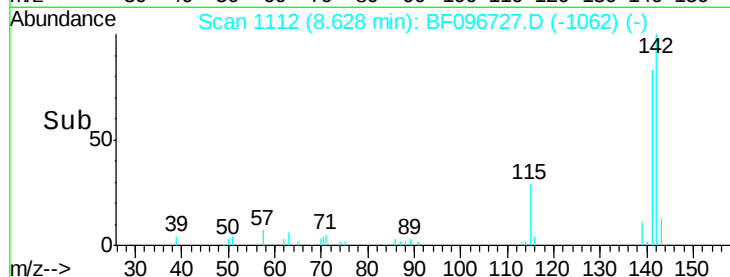
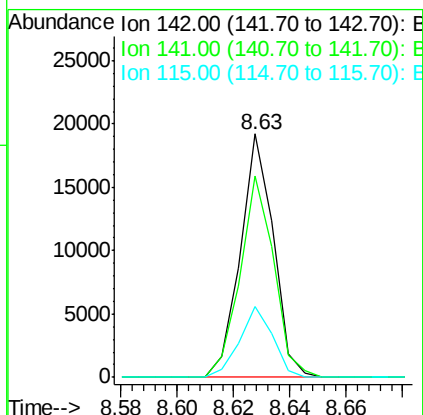
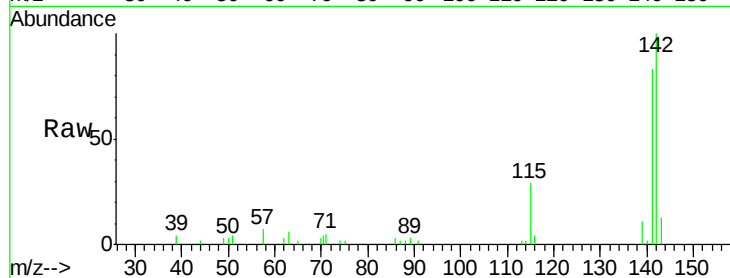




#37
2-Methylnaphthalene
Concen: 1.08 ng
RT: 8.63 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

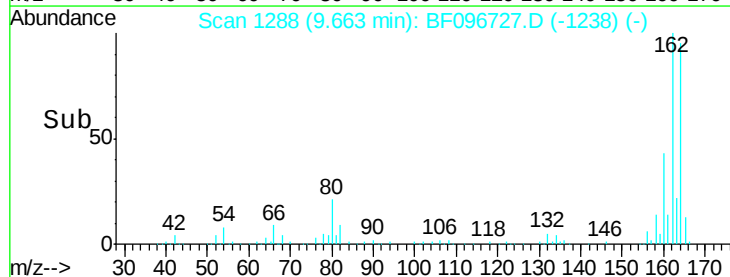
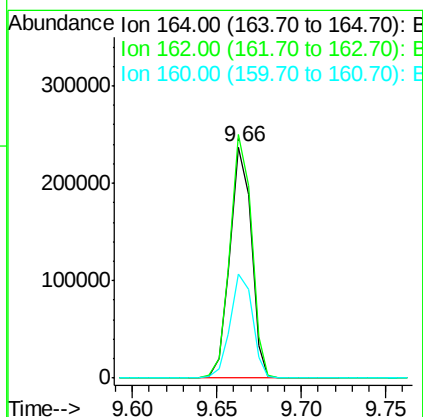
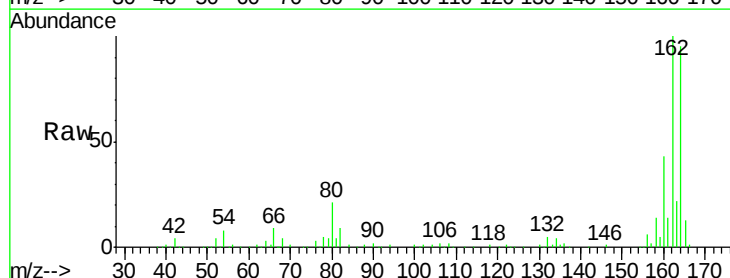
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

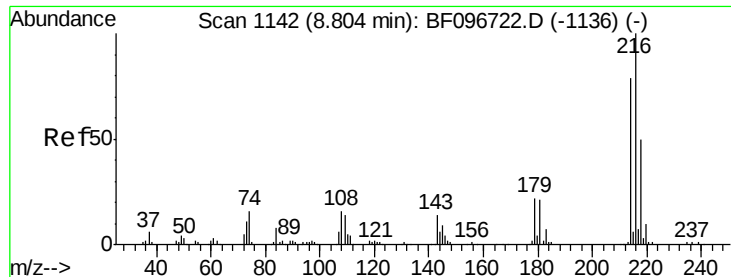
Tot Ion:142 Resp: 15551
Ion Ratio Lower Upper
142 100
141 82.9 71.3 106.9
115 29.1 27.1 40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion:164 Resp: 209203
Ion Ratio Lower Upper
164 100
162 105.5 82.6 123.8
160 45.2 36.2 54.2

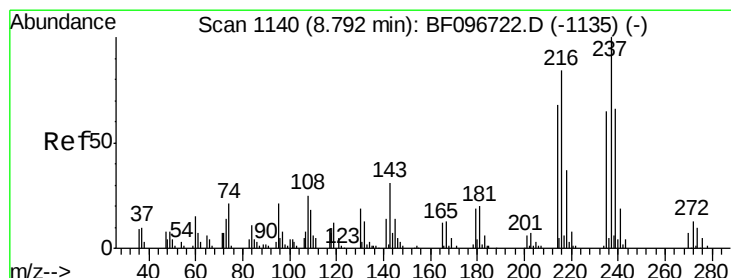
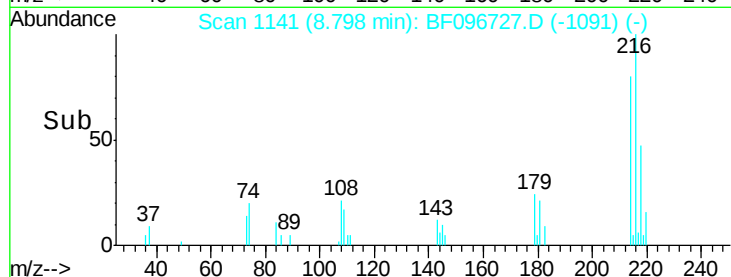
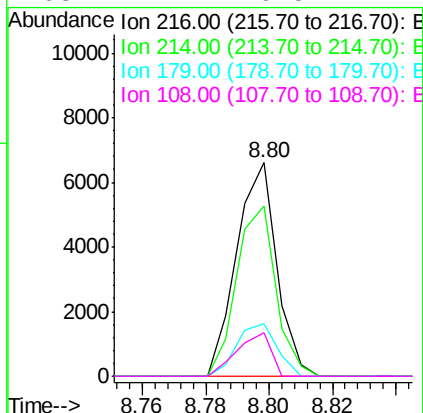
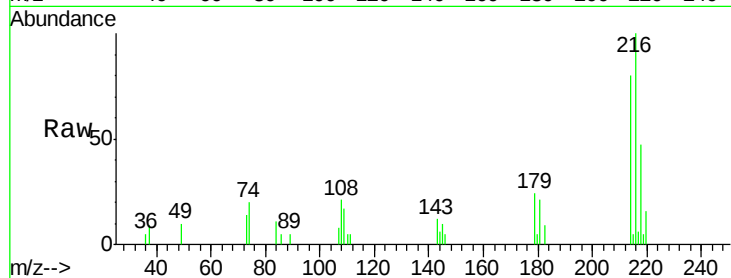




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.02 ng
 RT: 8.80 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

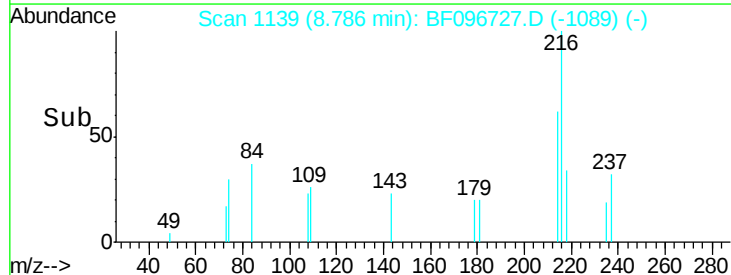
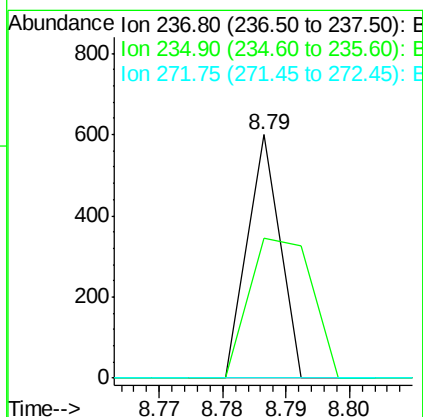
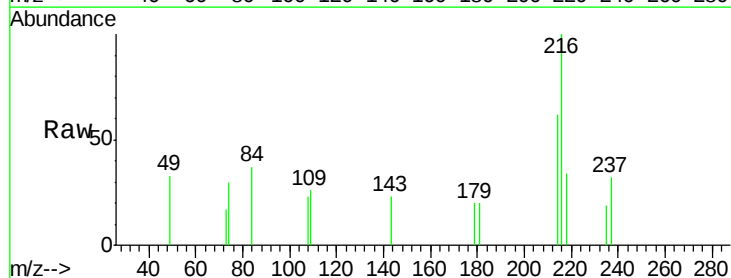
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

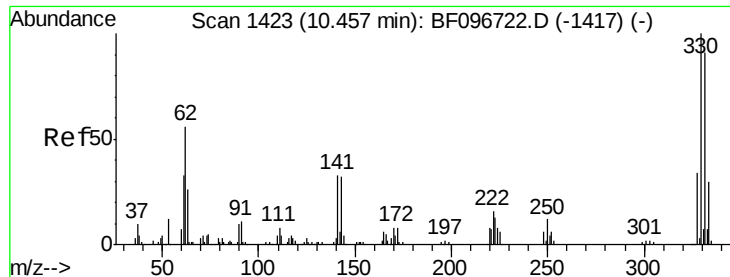
Tot Ion:	216	Resp:	5786
Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.4	95.2
179	24.6	17.9	26.9
108	17.2	16.5	24.7



#40
 Hexachlorocyclopentadiene
 Concen: 5.08 ng
 RT: 8.79 min Scan# 1139
 Delta R.T. -0.01 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Tgt Ion:	237	Resp:	212
Ion	Ratio	Lower	Upper
237	100		
235	57.7	42.6	82.6
272	0.0	0.0	31.9

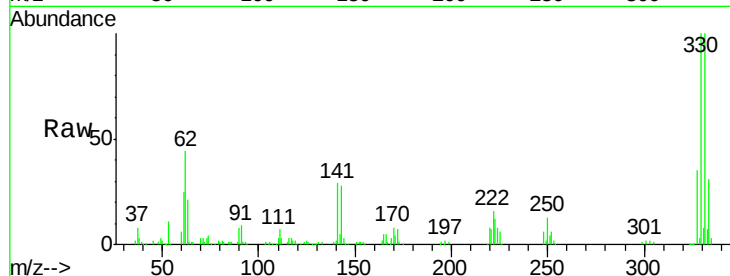




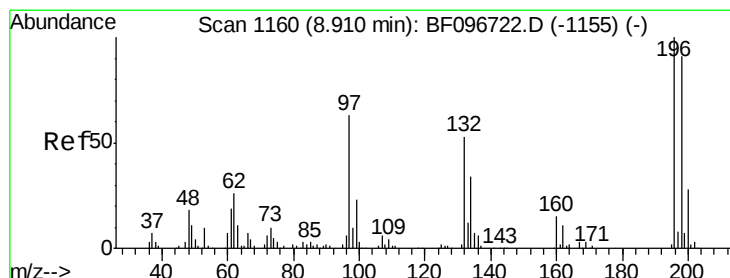
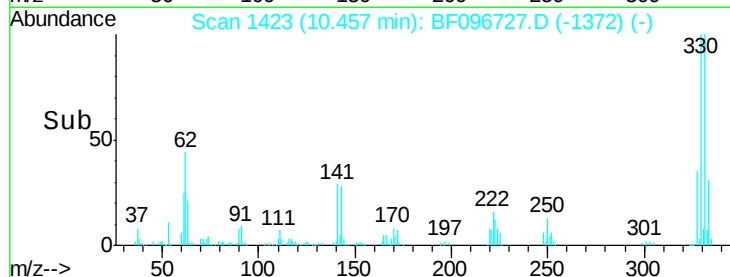
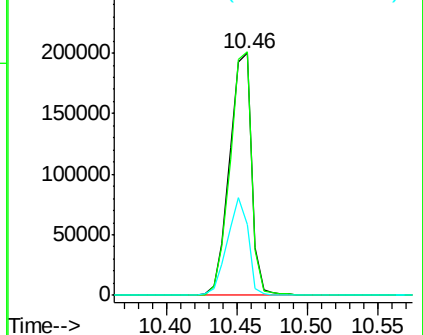
#41
 2,4,6-Tribromophenol
 Concen: 122.28 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.00 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

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

Tot Ion:330 Resp: 218362
 Ion Ratio Lower Upper
 330 100
 332 98.1 76.6 115.0
 141 38.5 31.4 47.2

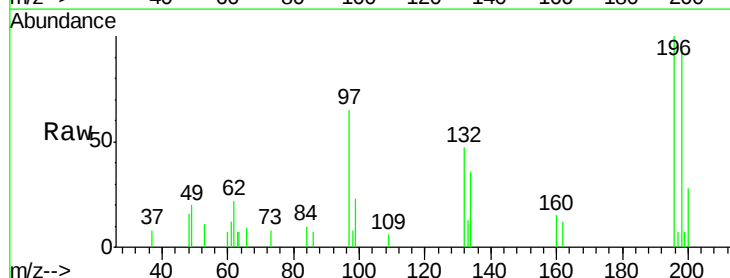


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

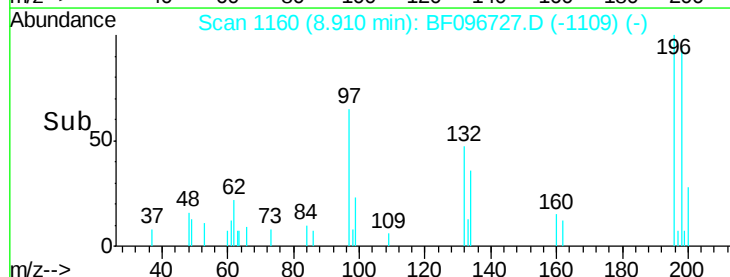
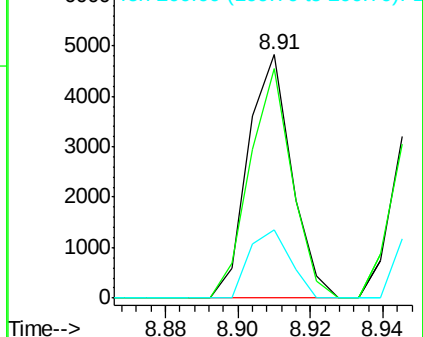


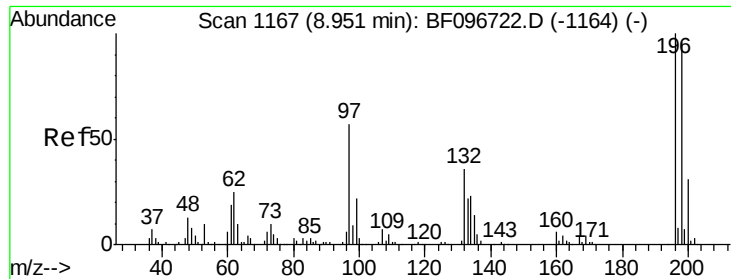
#42
 2,4,6-Trichlorophenol
 Concen: 0.96 ng
 RT: 8.91 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Tgt Ion:196 Resp: 4023
 Ion Ratio Lower Upper
 196 100
 198 94.5 74.2 111.4
 200 27.8 24.0 36.0



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

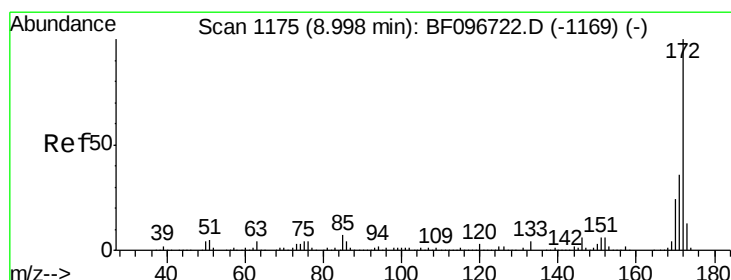
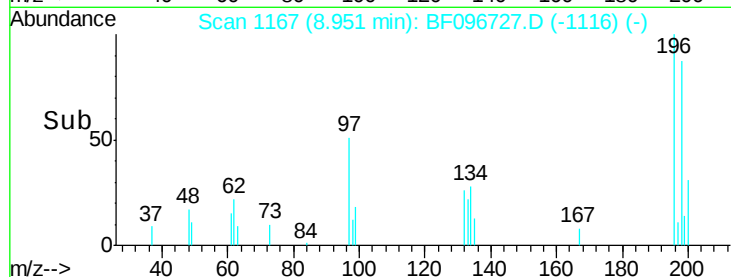
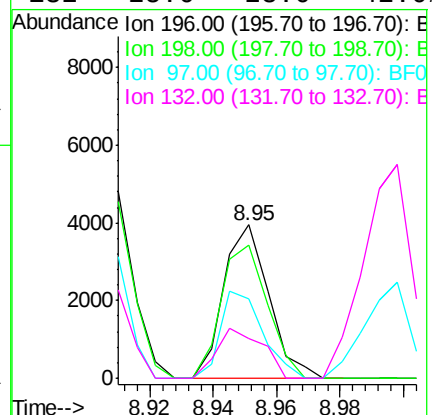
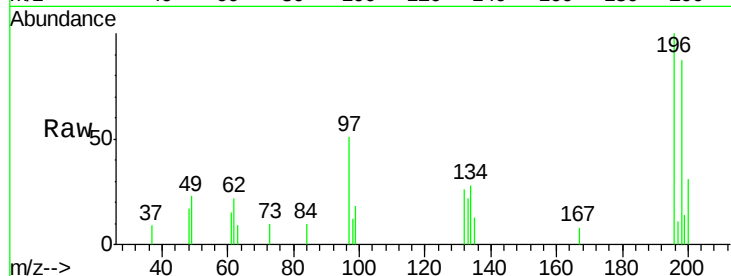




#43
 2,4,5-Trichlorophenol
 Concen: 0.92 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

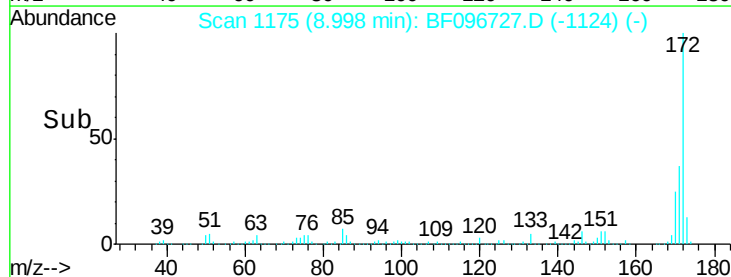
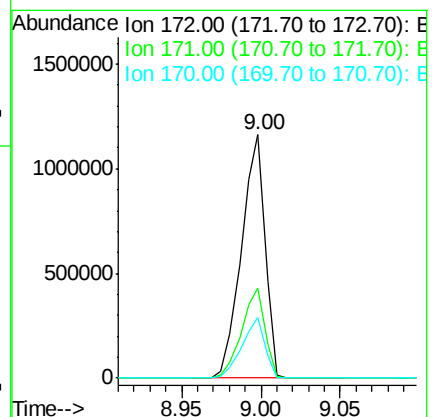
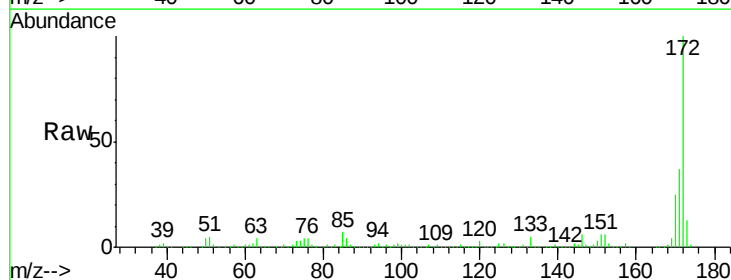
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

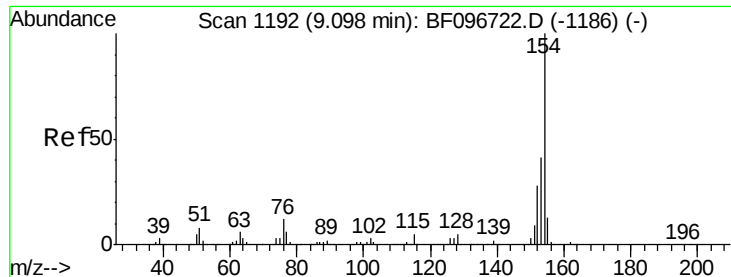
Tot Ion:196 Resp: 3885
 Ion Ratio Lower Upper
 196 100
 198 86.9 75.7 113.5
 97 51.4 47.7 71.5
 132 25.6 28.0 42.0#



#44
 2-Fluorobiphenyl
 Concen: 90.33 ng
 RT: 9.00 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Tgt Ion:172 Resp: 1196033
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.6 44.4
 170 24.9 19.8 29.8

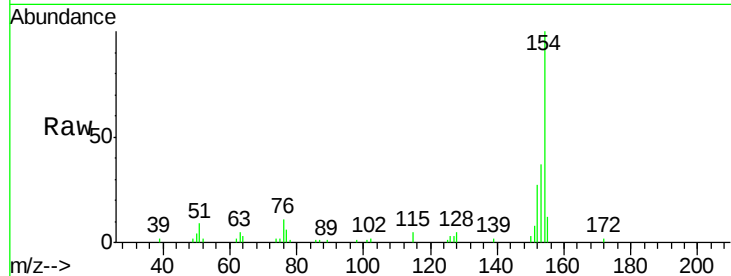




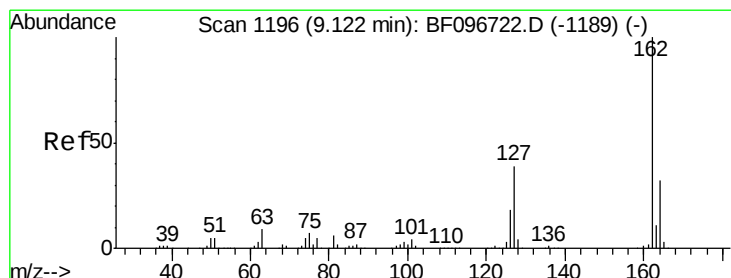
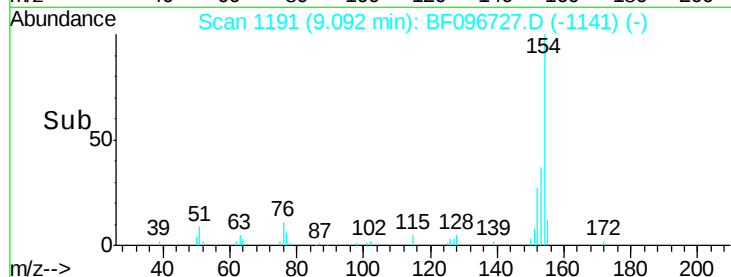
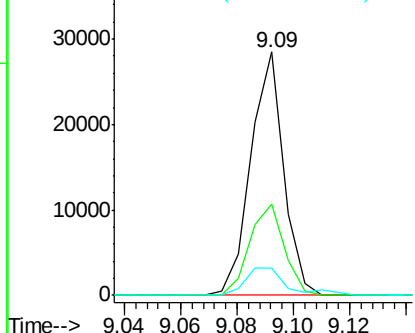
#45
1,1'-Biphenyl
Concen: 1.28 ng
RT: 9.09 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

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

Tot Ion:154 Resp: 22947
Ion Ratio Lower Upper
154 100
153 37.3 21.2 61.2
76 11.1 0.0 29.9

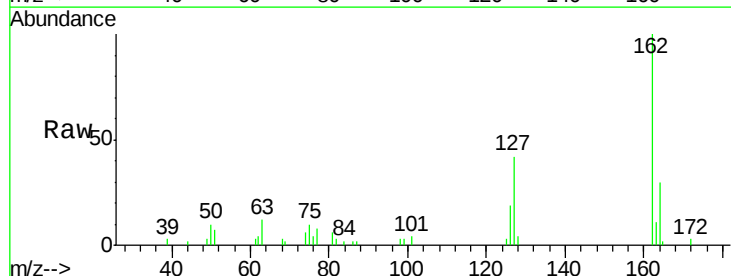


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

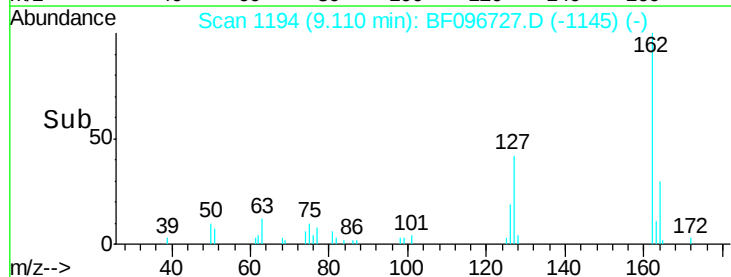
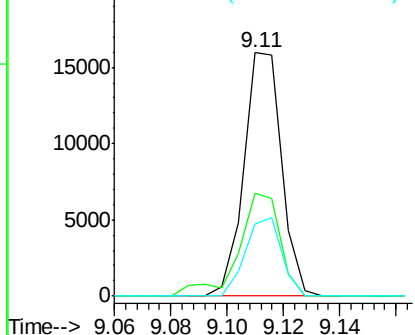


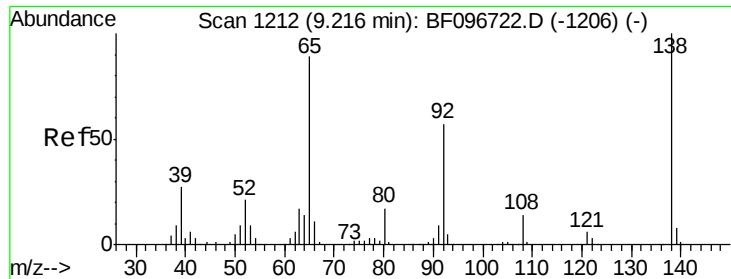
#46
2-Chloronaphthalene
Concen: 1.12 ng
RT: 9.11 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion:162 Resp: 14762
Ion Ratio Lower Upper
162 100
127 42.1 28.3 42.5
164 29.6 27.0 40.4



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

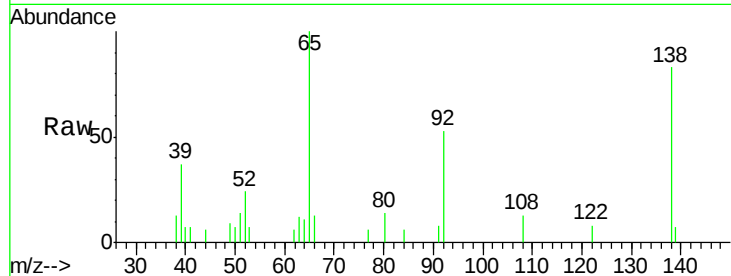




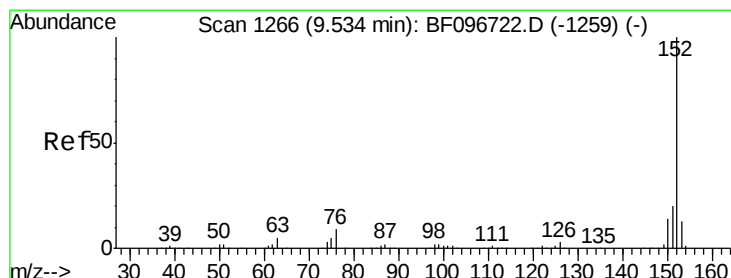
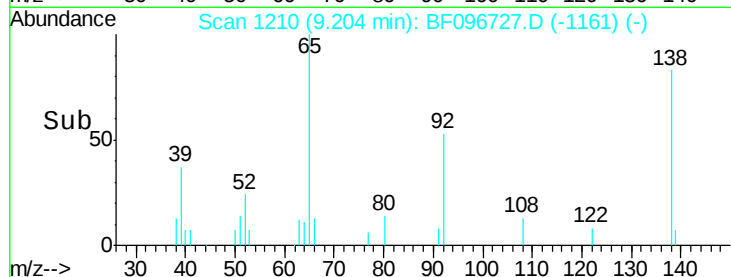
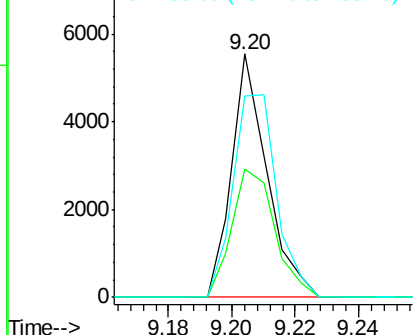
#47
2-Nitroaniline
Concen: 0.94 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

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

Tot Ion: 65 Resp: 4270
Ion Ratio Lower Upper
65 100
92 52.6 53.9 80.9#
138 82.9 78.8 118.2

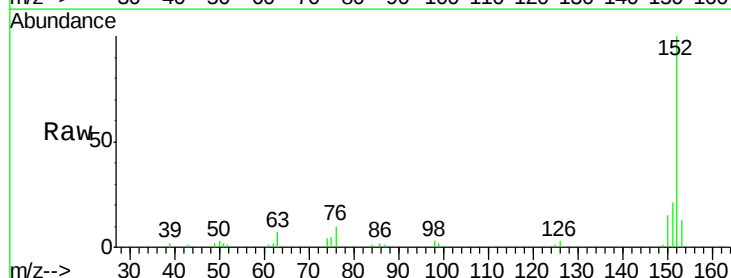


Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

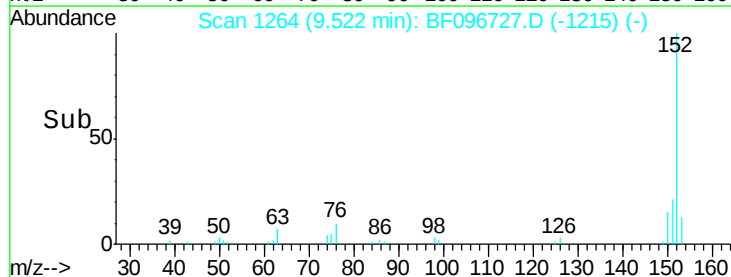
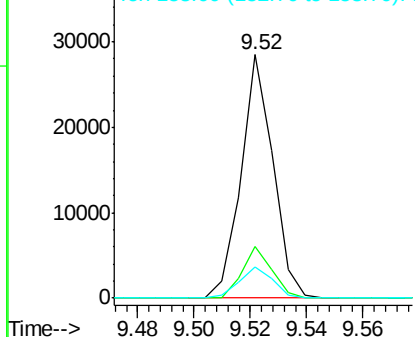


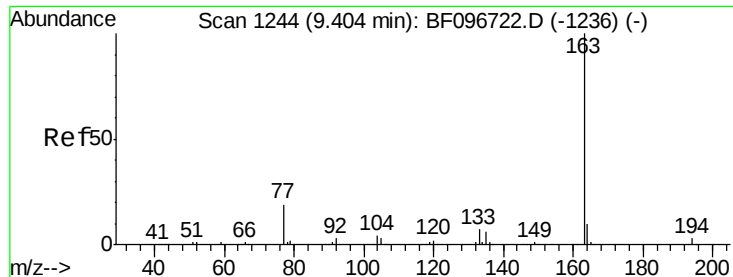
#48
Acenaphthylene
Concen: 1.06 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion: 152 Resp: 22344
Ion Ratio Lower Upper
152 100
151 21.4 16.8 25.2
153 12.7 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

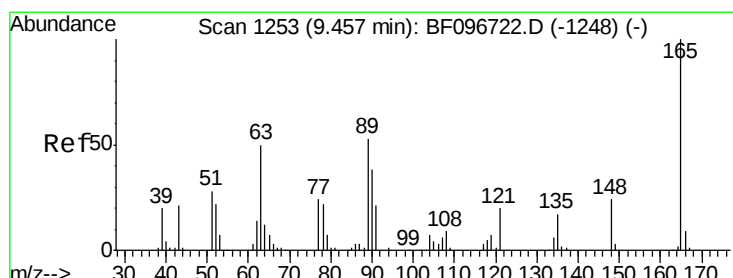
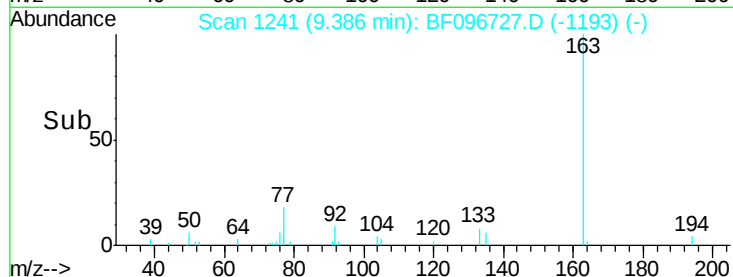
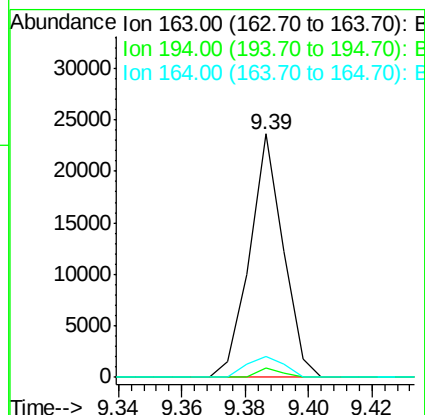
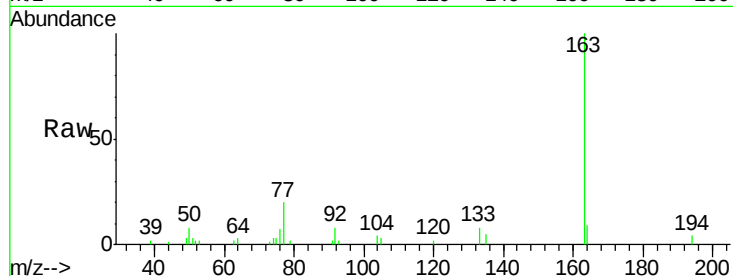




#49
Dimethylphthalate
Concen: 1.10 ng
RT: 9.39 min Scan# 1241
Delta R.T. -0.02 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

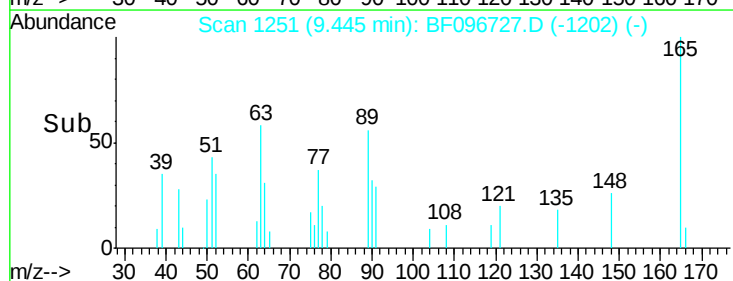
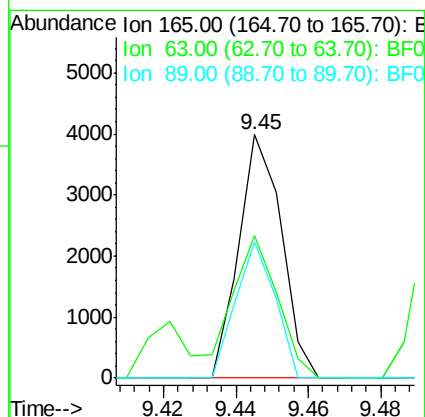
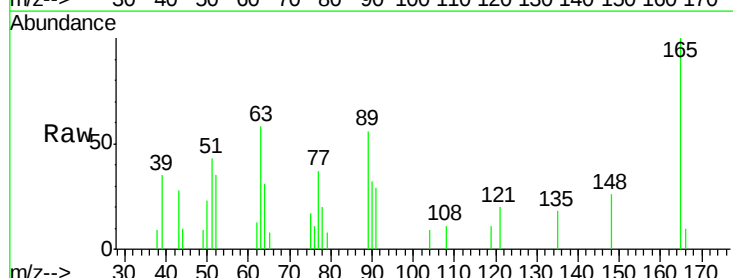
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

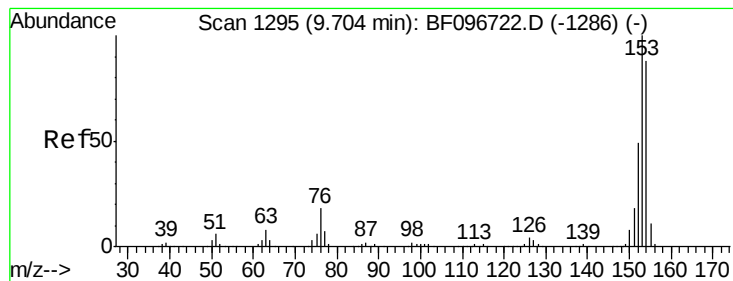
Tot Ion:163 Resp: 17321
Ion Ratio Lower Upper
163 100
194 3.8 2.6 4.0
164 8.8 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 0.96 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion:165 Resp: 3262
Ion Ratio Lower Upper
165 100
63 58.3 34.3 51.5#
89 56.1 37.1 55.7#





#51

Acenaphthene

Concen: 1.12 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

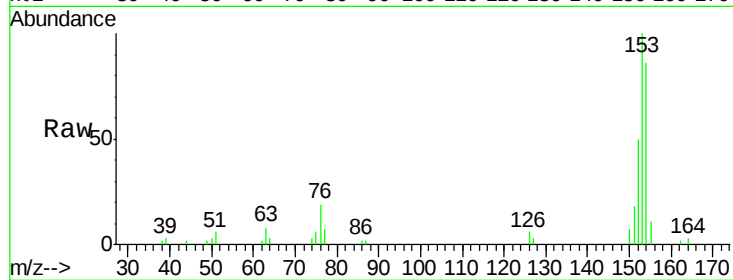
Tot Ion:154 Resp: 13892

Ion Ratio Lower Upper

154 100

153 116.3 90.5 135.7

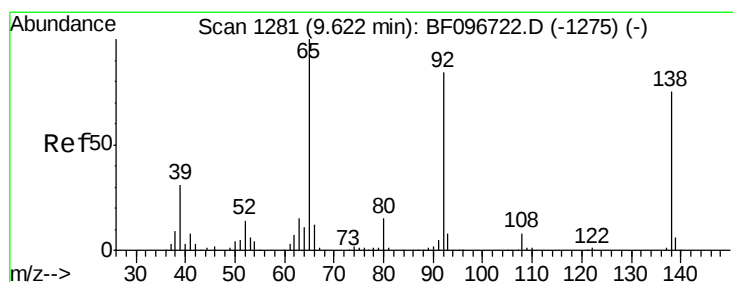
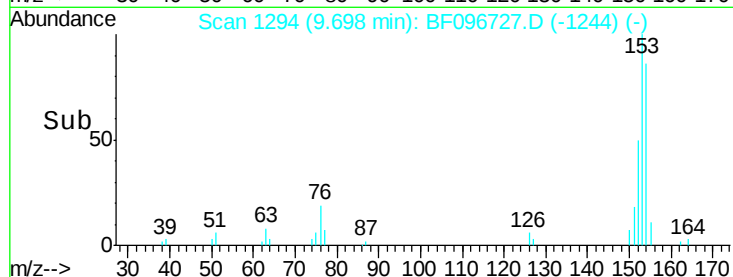
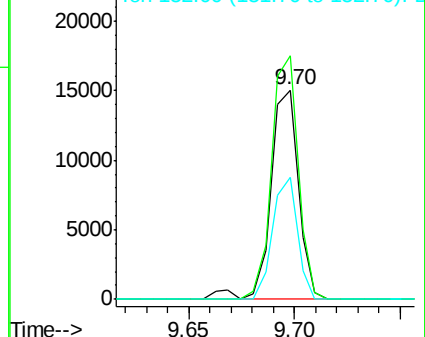
152 58.3 43.6 65.4



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: 0.98 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

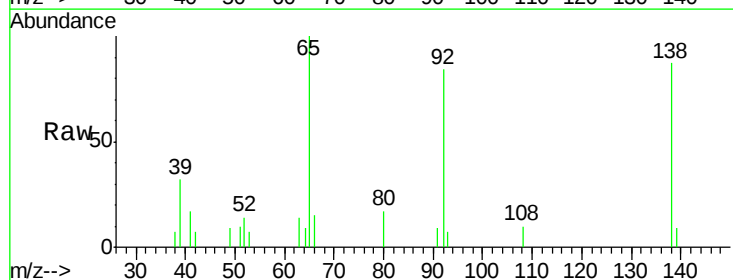
Tgt Ion:138 Resp: 3958

Ion Ratio Lower Upper

138 100

108 11.6 9.1 13.7

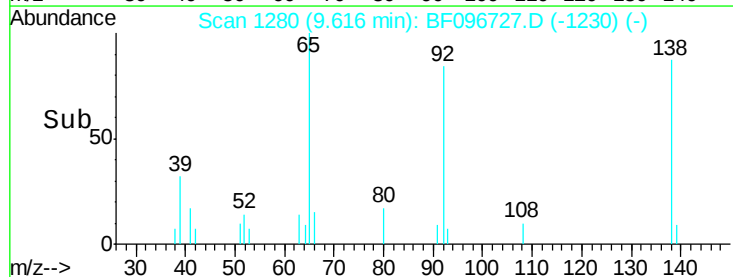
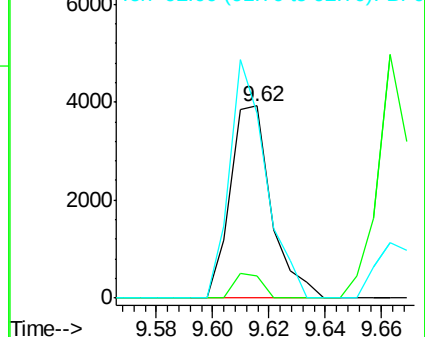
92 96.3 93.8 140.6

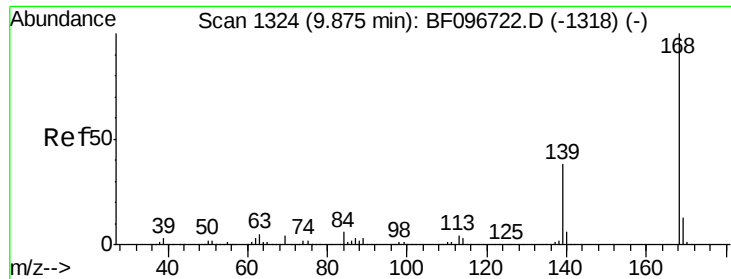


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

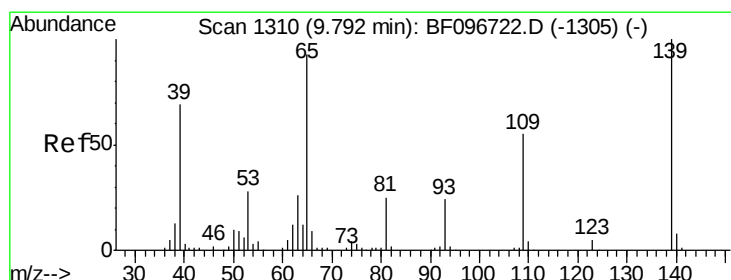
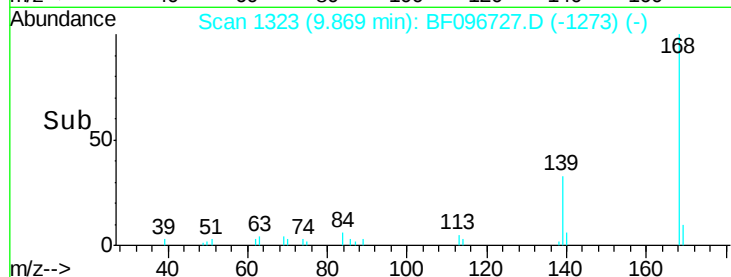
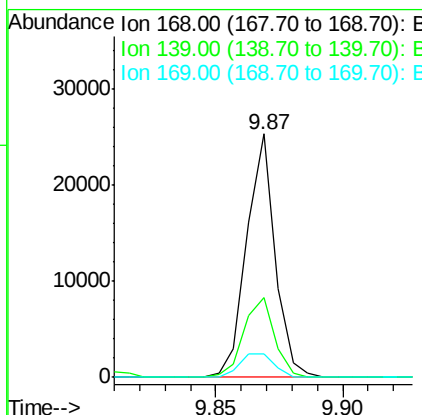
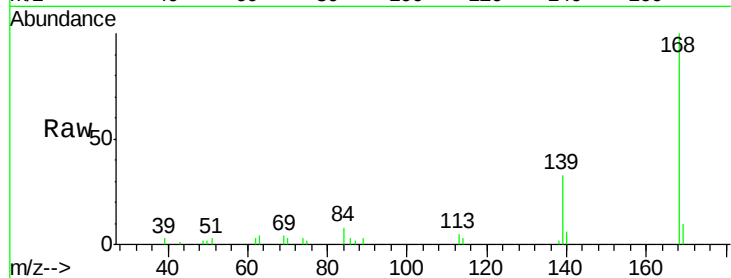




#54
Dibenzofuran
Concen: 1.13 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

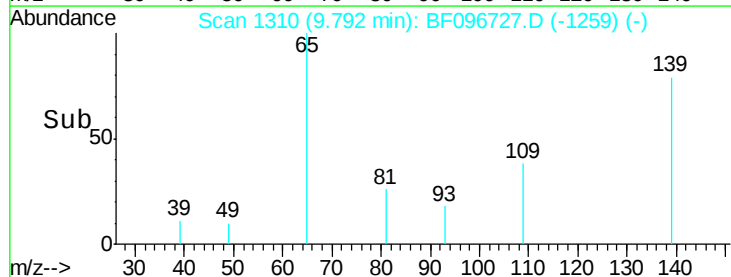
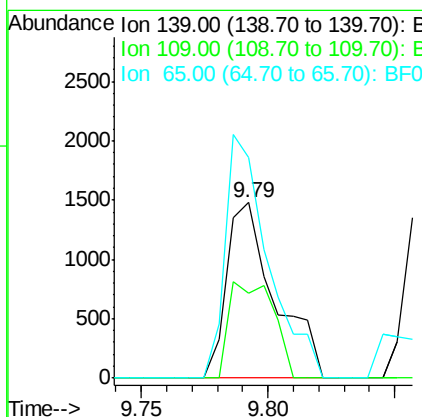
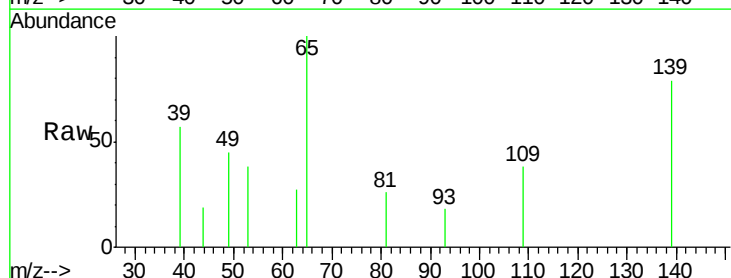
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

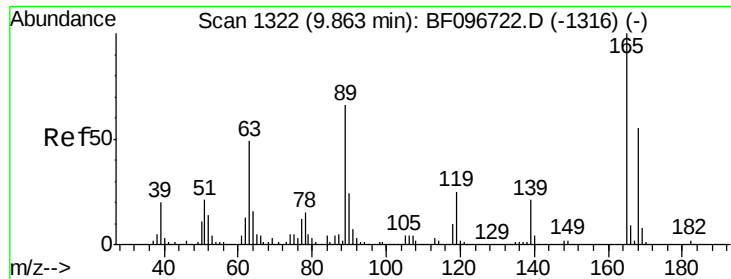
Tot Ion:168 Resp: 19747
Ion Ratio Lower Upper
168 100
139 32.7 30.6 45.8
169 9.9 10.8 16.2#



#55
4-Nitrophenol
Concen: 0.66 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion:139 Resp: 1959
Ion Ratio Lower Upper
139 100
109 48.1 34.1 74.1
65 125.9 31.4 71.4#

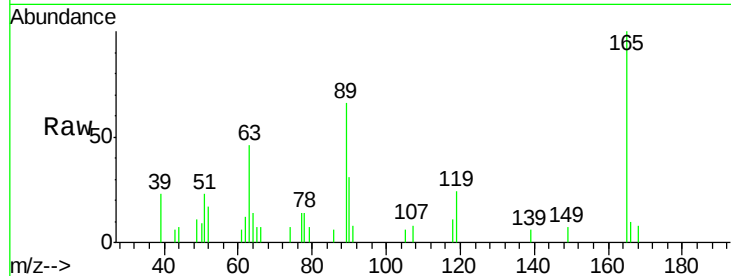




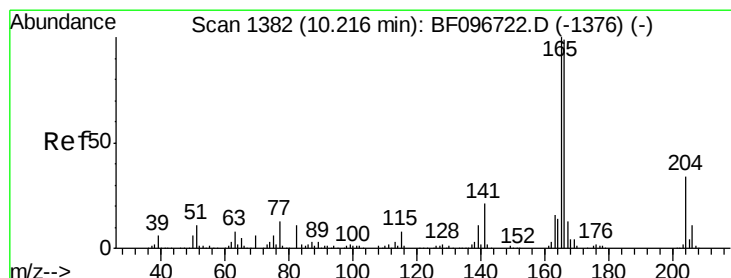
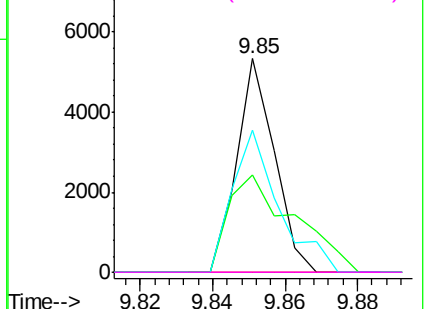
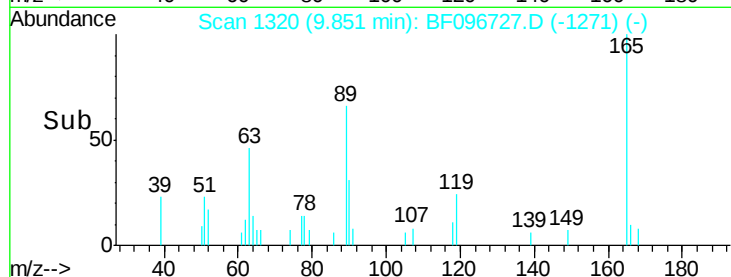
#56
2,4-Dinitrotoluene
Concen: 0.89 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

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

Tot Ion:165 Resp: 3894
Ion Ratio Lower Upper
165 100
63 45.5 25.4 38.0#
89 66.4 46.4 69.6
182 0.0 1.8 2.6#

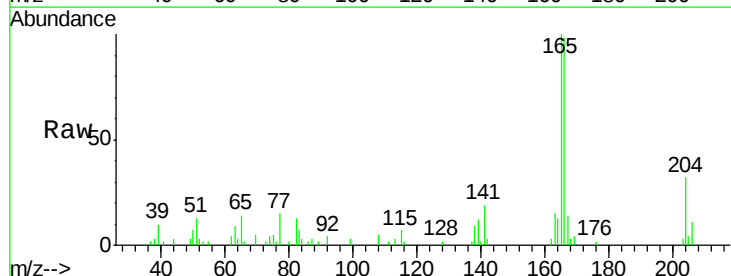


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

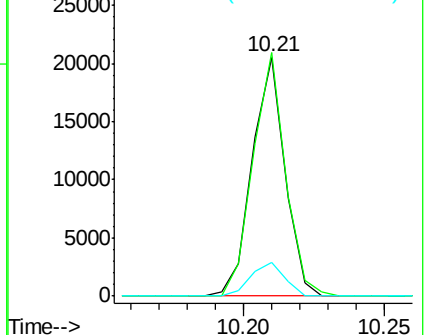
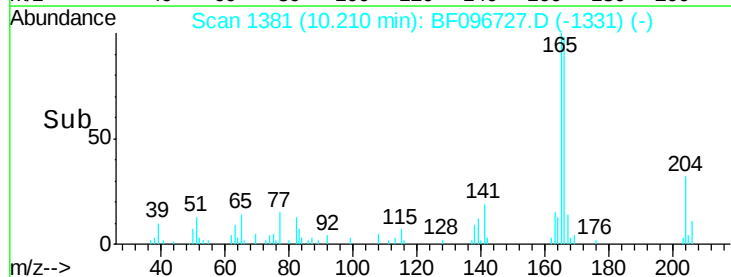


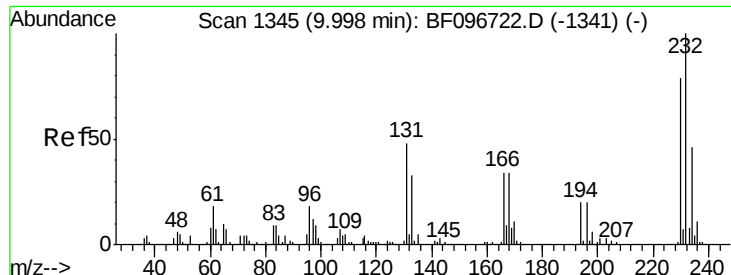
#57
Fluorene
Concen: 1.29 ng
RT: 10.21 min Scan# 1381
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion:166 Resp: 16580
Ion Ratio Lower Upper
166 100
165 101.8 78.8 118.2
167 14.2 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

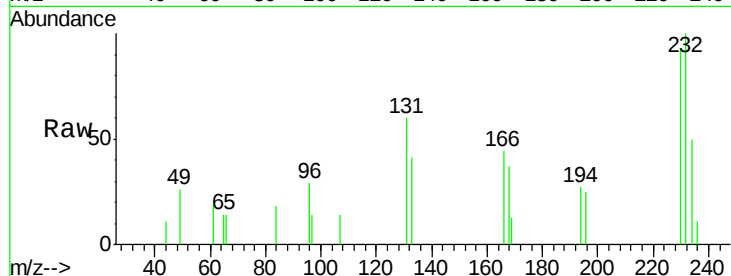




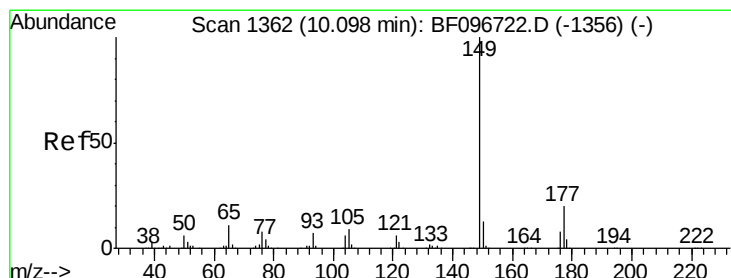
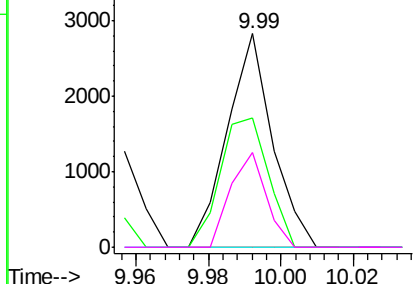
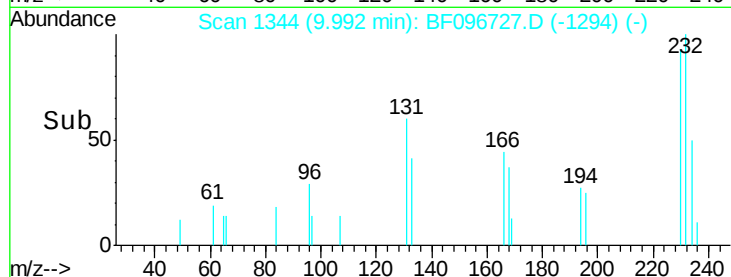
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 0.85 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

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

Tot Ion:232 Resp: 2474
 Ion Ratio Lower Upper
 232 100
 131 64.3 44.8 67.2
 130 0.0 2.3 3.5#
 166 35.1 29.0 43.4

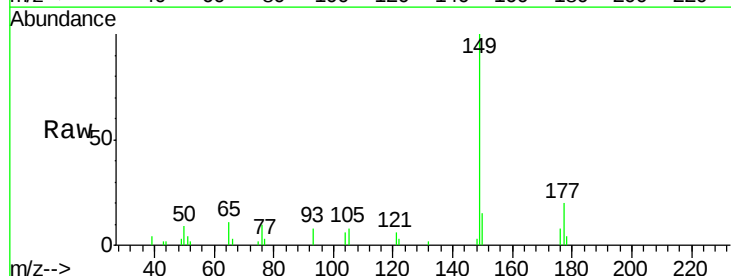


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

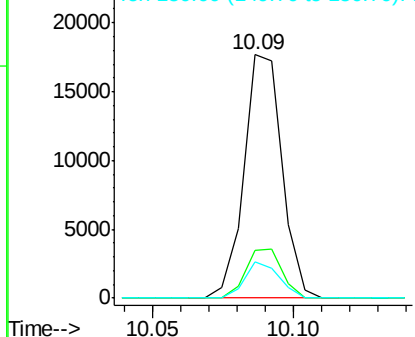
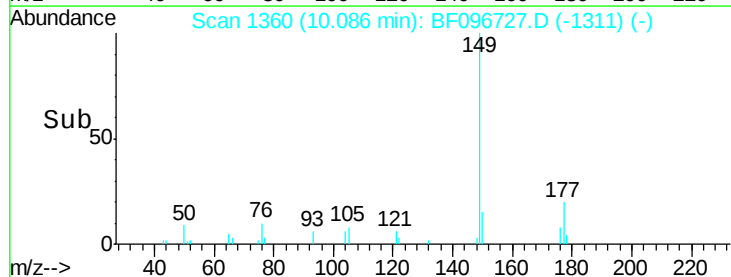


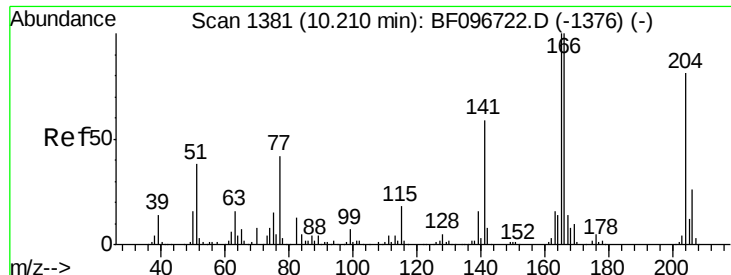
#59
 Diethylphthalate
 Concen: 1.07 ng
 RT: 10.09 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Tgt Ion:149 Resp: 16441
 Ion Ratio Lower Upper
 149 100
 177 19.6 16.7 25.1
 150 14.9 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

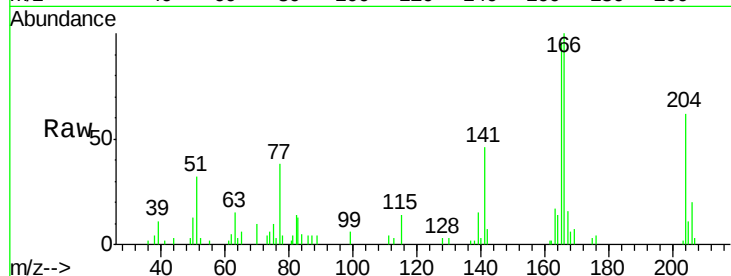




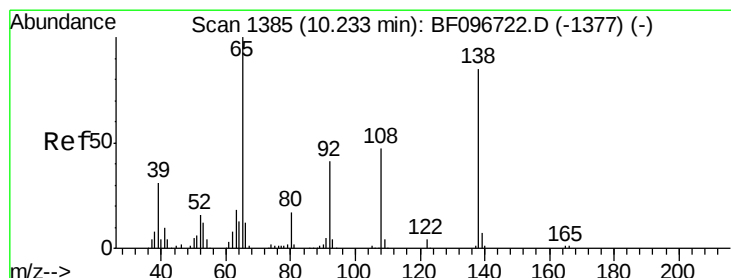
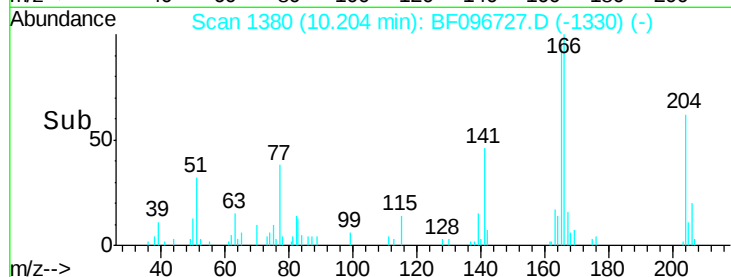
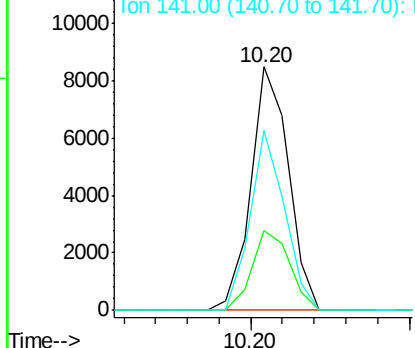
#60
 4-Chlorophenyl-phenylether
 Concen: 0.35 ng
 RT: 10.20 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

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

Tot Ion:204 Resp: 6965
 Ion Ratio Lower Upper
 204 100
 206 33.0 26.2 39.2
 141 73.6 60.8 91.2

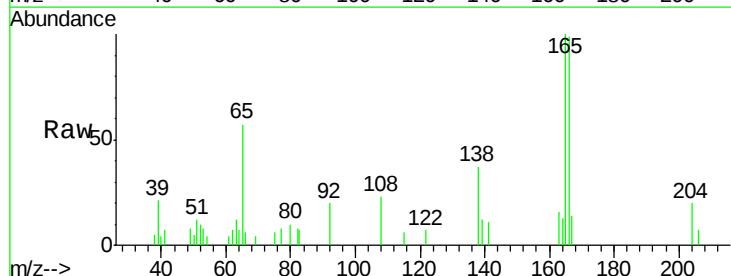


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

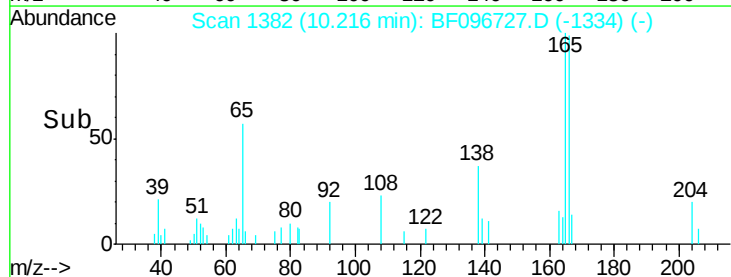
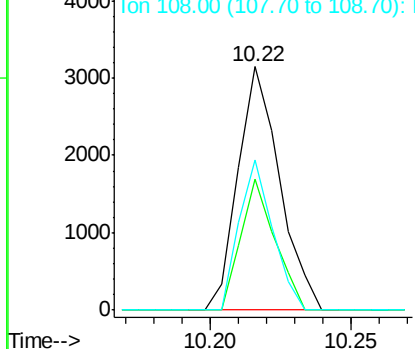


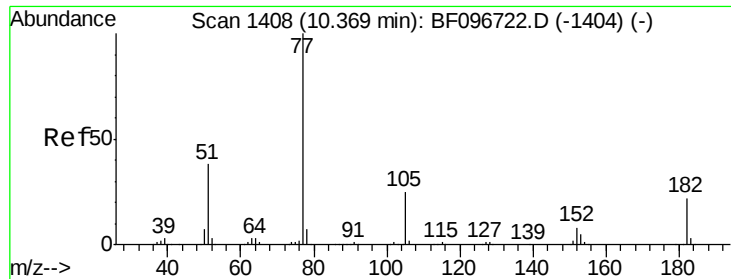
#61
 4-Nitroaniline
 Concen: 0.85 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. -0.02 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Tgt Ion:138 Resp: 3220
 Ion Ratio Lower Upper
 138 100
 92 53.7 21.8 61.8
 108 61.6 42.3 82.3



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 1.04 ng

RT: 10.37 min Scan# 1408

Delta R.T. -0.00 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tot Ion: 77 Resp: 14132

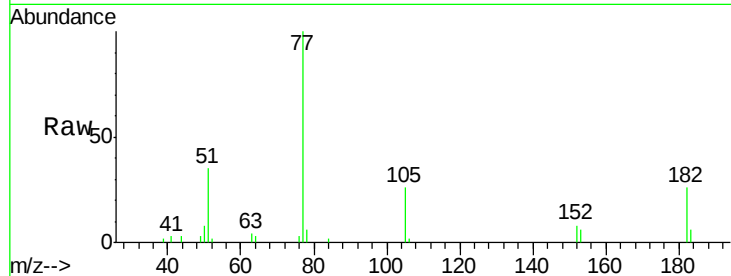
Ion Ratio Lower Upper

77 100

182 25.8 0.1 40.1

105 25.9 3.6 43.6

51 35.1 9.4 49.4

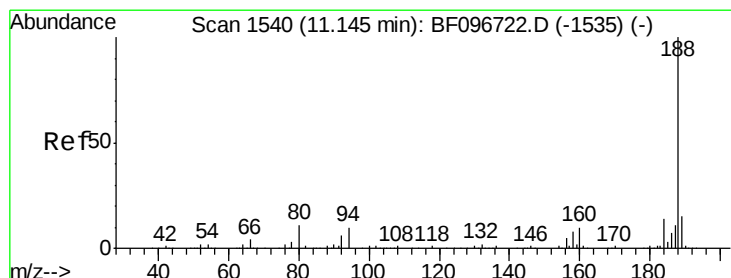
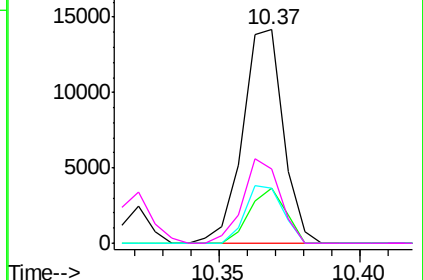
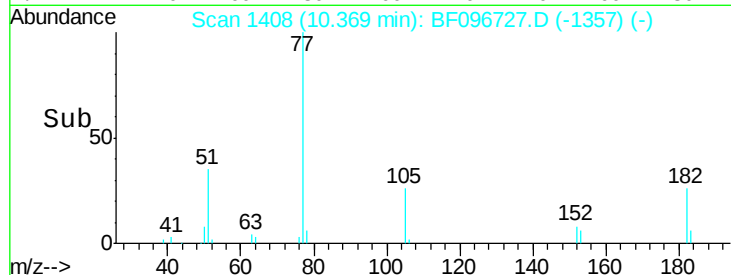


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.14 min Scan# 1539

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

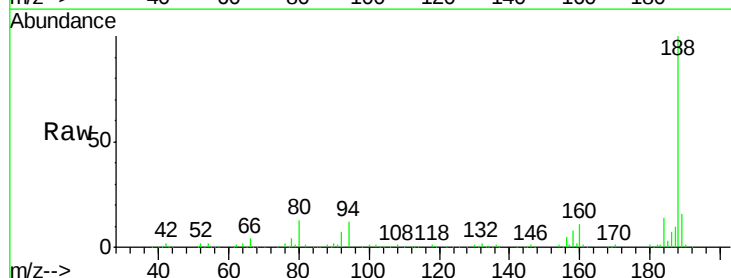
Tgt Ion: 188 Resp: 368737

Ion Ratio Lower Upper

188 100

94 12.1 9.4 14.2

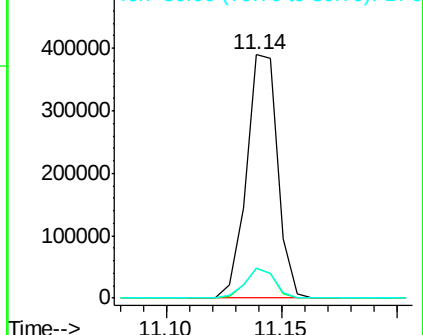
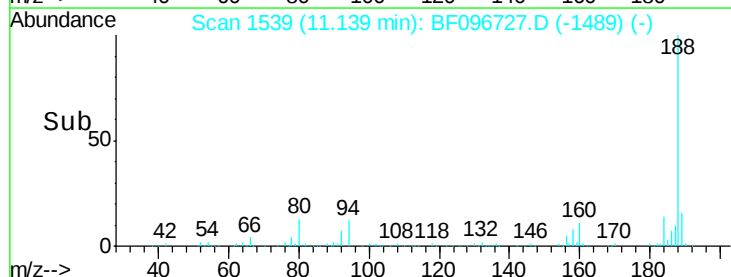
80 12.5 10.2 15.2

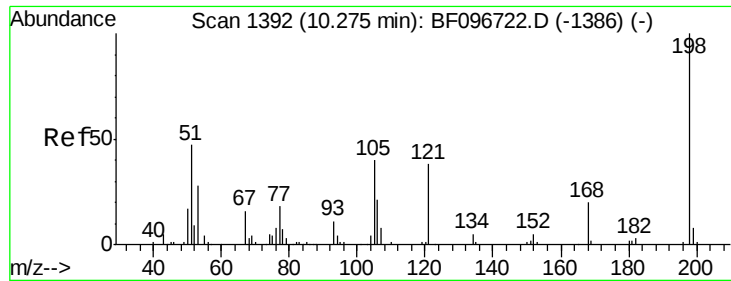


Abundance Ion 188.00 (187.70 to 188.70): E

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: 0.28 ng

RT: 10.26 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

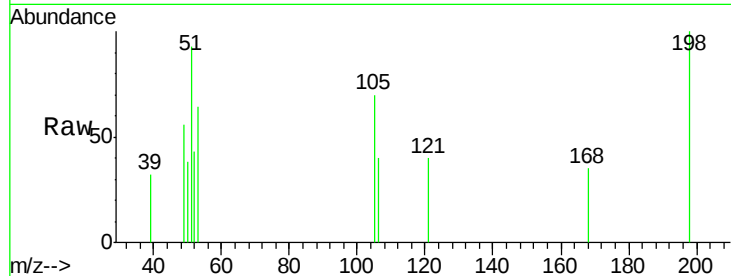
Tot Ion:198 Resp: 659

Ion Ratio Lower Upper

198 100

51 93.4 53.2 93.2#

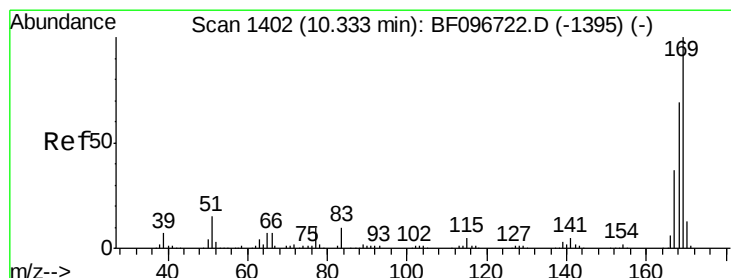
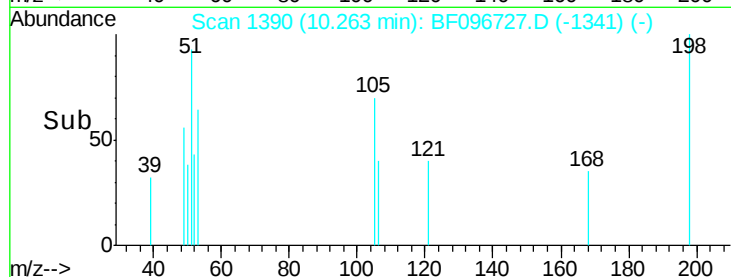
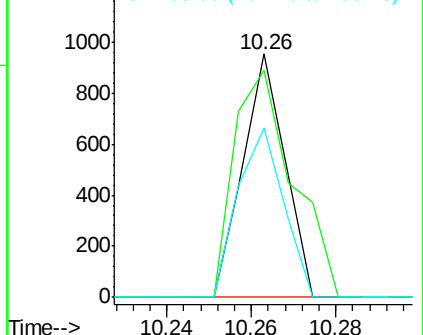
105 69.6 45.8 85.8



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: 1.01 ng

RT: 10.32 min Scan# 1400

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

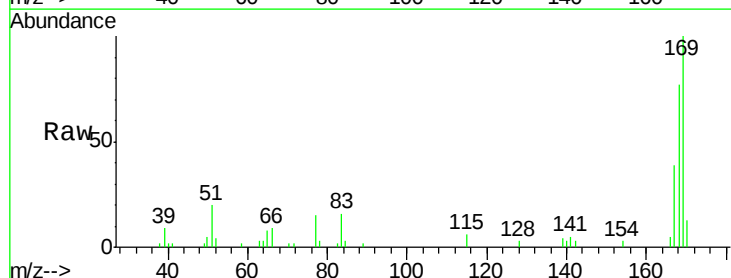
Tgt Ion:169 Resp: 13275

Ion Ratio Lower Upper

169 100

168 77.3 53.2 79.8

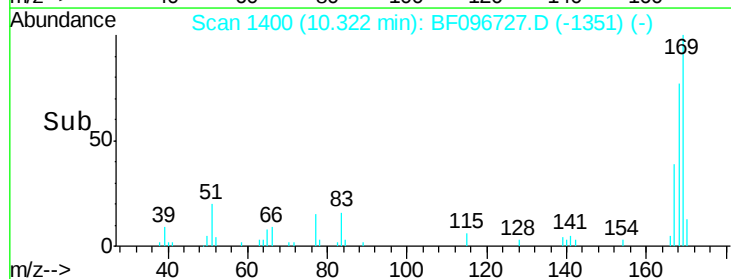
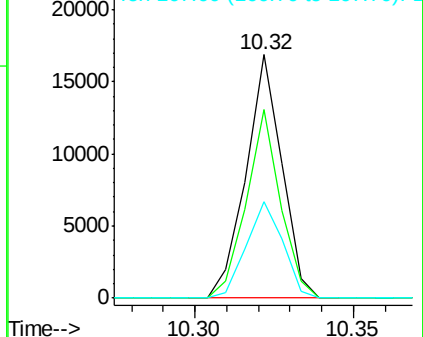
167 39.5 29.5 44.3

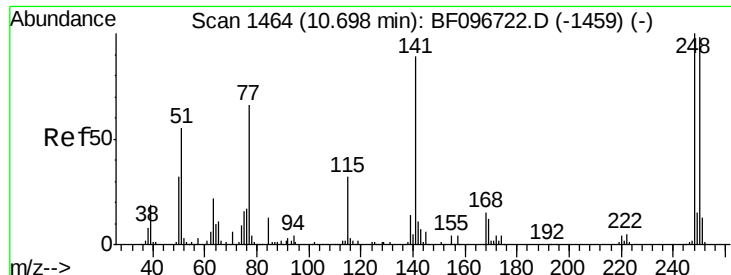


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

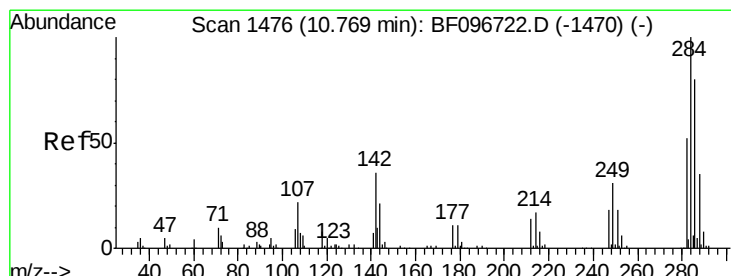
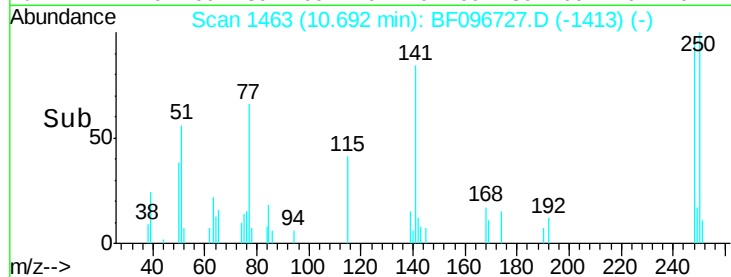
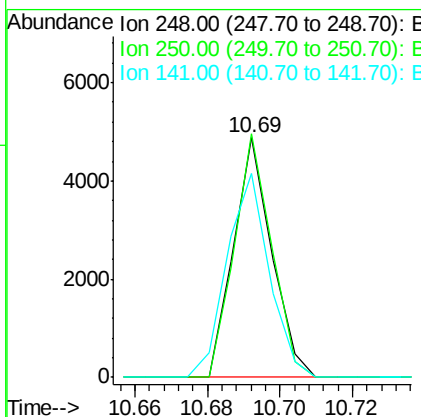
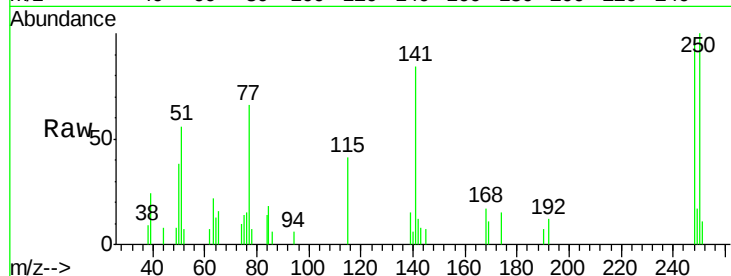




#66
 4-Bromophenyl-phenylether
 Concen: 0.95 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

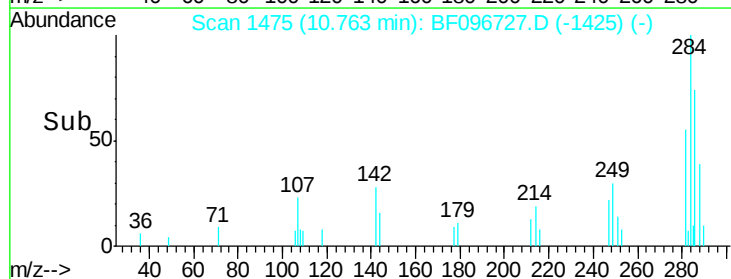
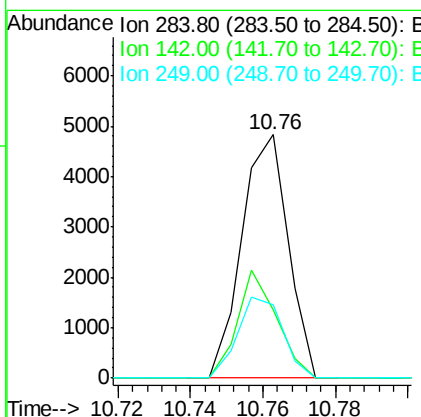
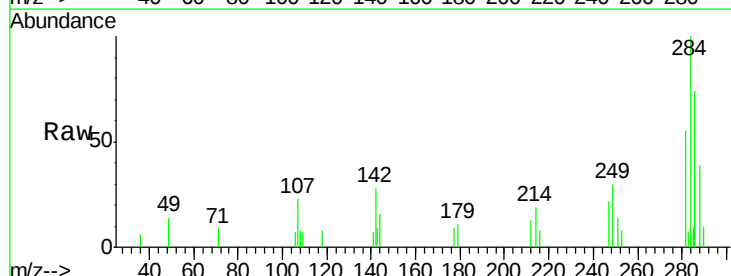
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

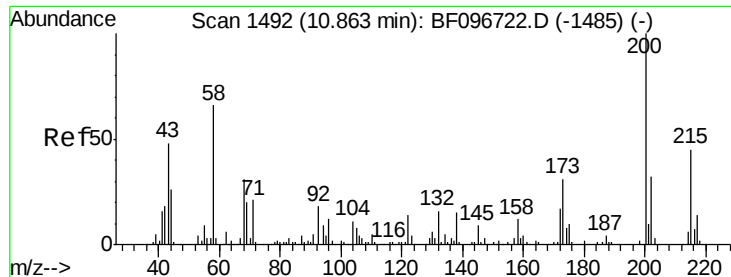
Tot Ion:	248	Resp:	3560
Ion	Ratio	Lower	Upper
248	100		
250	101.7	76.8	115.2
141	85.5	68.6	103.0



#67
 Hexachlorobenzene
 Concen: 1.02 ng
 RT: 10.76 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Tgt Ion:	284	Resp:	4267
Ion	Ratio	Lower	Upper
284	100		
142	28.2	22.8	34.2
249	30.1	24.0	36.0

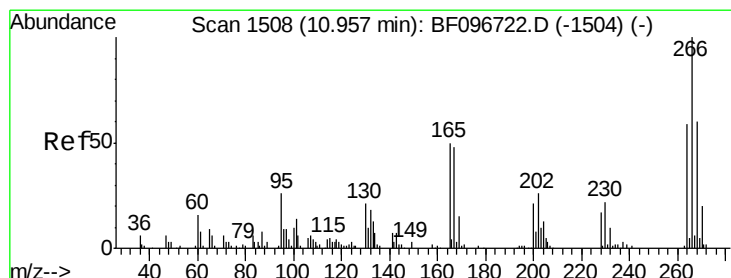
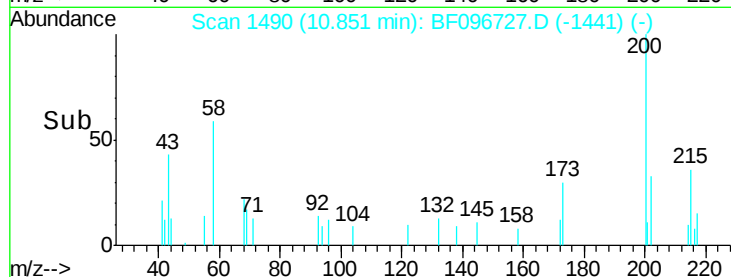
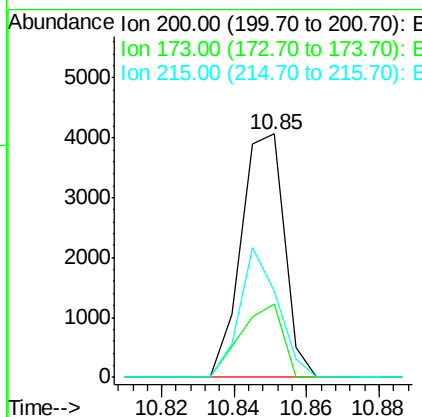
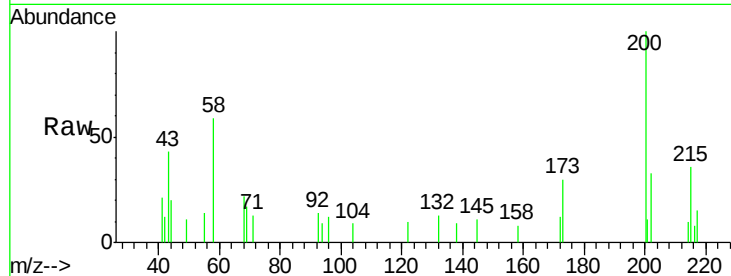




#68
Atrazine
Concen: 0.90 ng
RT: 10.85 min Scan# 1490
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

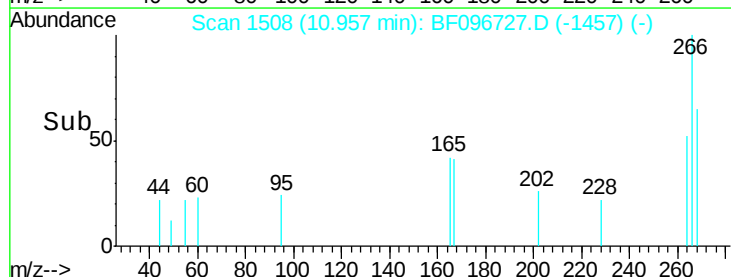
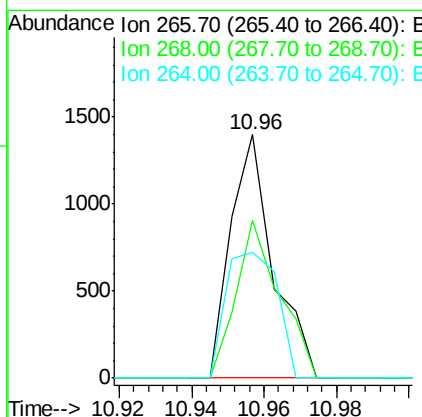
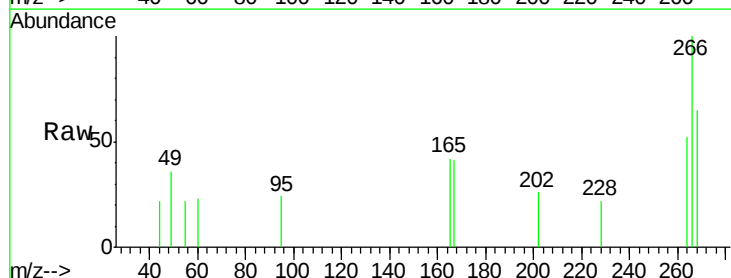
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

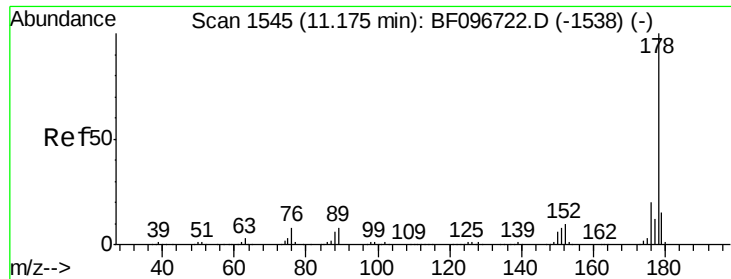
Tot Ion:200 Resp: 3367
Ion Ratio Lower Upper
200 100
173 30.3 6.3 46.3
215 35.6 27.2 67.2



#69
Pentachlorophenol
Concen: 0.56 ng
RT: 10.96 min Scan# 1508
Delta R.T. -0.00 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion:266 Resp: 1139
Ion Ratio Lower Upper
266 100
268 64.8 51.1 76.7
264 51.8 51.7 77.5





#70

Phenanthrene

Concen: 1.13 ng

RT: 11.16 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

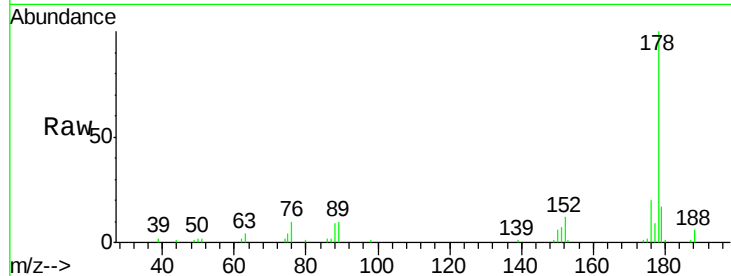
BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tot Ion:178 Resp: 22631

Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.2	24.4
179	16.5	12.6	19.0

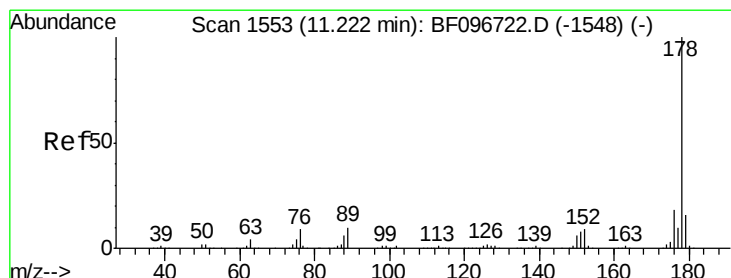
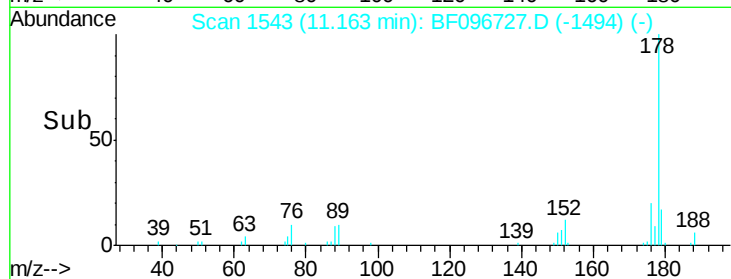
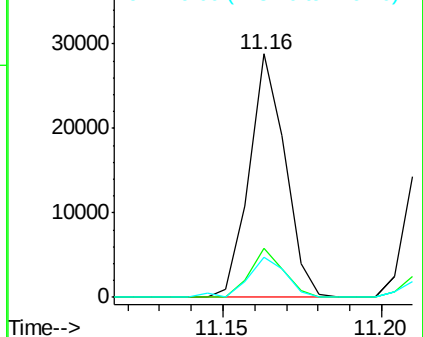


Abundance

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: 1.01 ng

RT: 11.22 min Scan# 1552

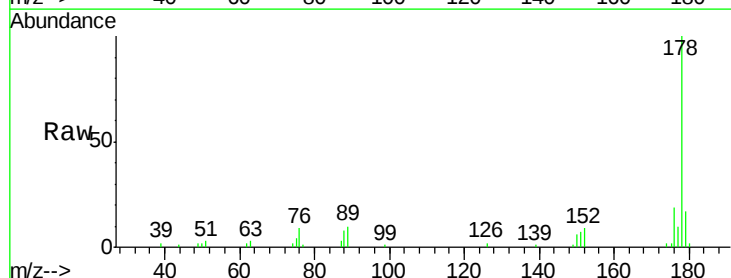
Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Tgt Ion:178 Resp: 20520

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	16.9	12.7	19.1

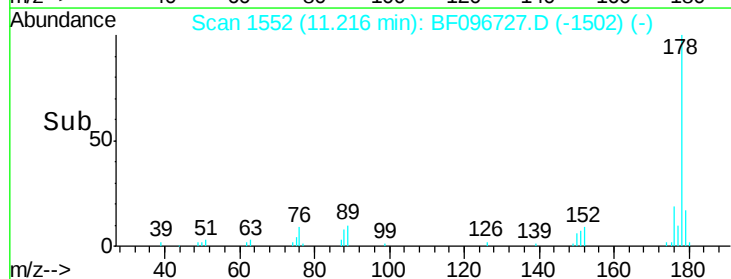
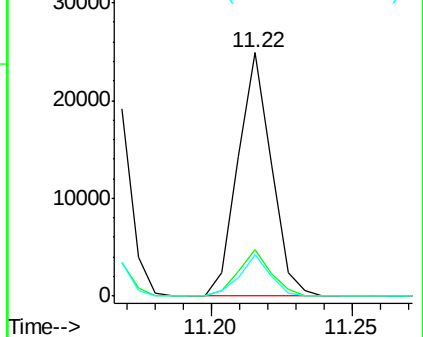


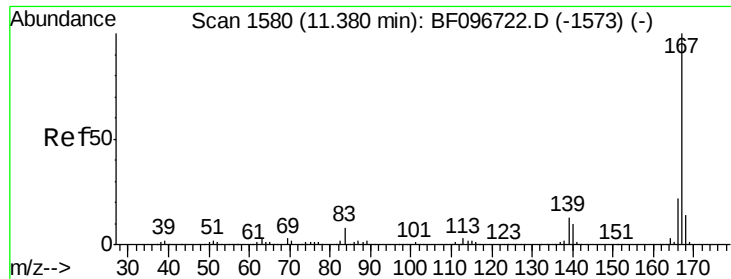
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 1.09 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

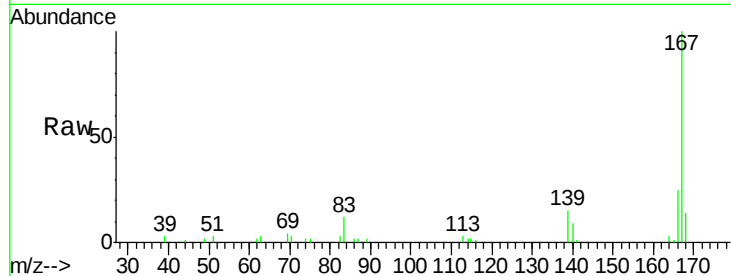
Tot Ion:167 Resp: 21475

Ion Ratio Lower Upper

167 100

166 25.1 18.1 27.1

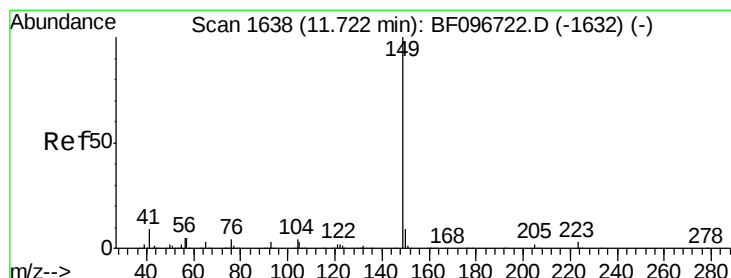
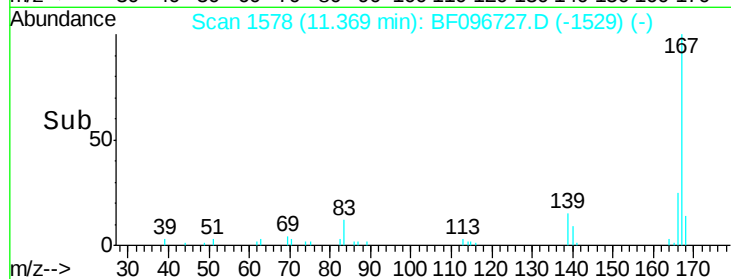
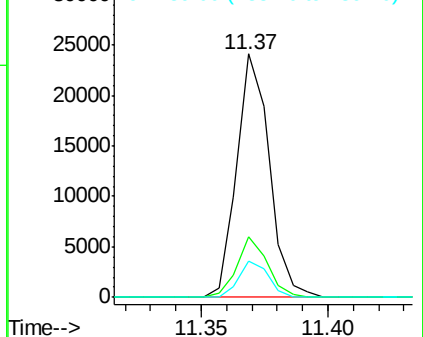
139 15.1 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 1.04 ng

RT: 11.72 min Scan# 1637

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

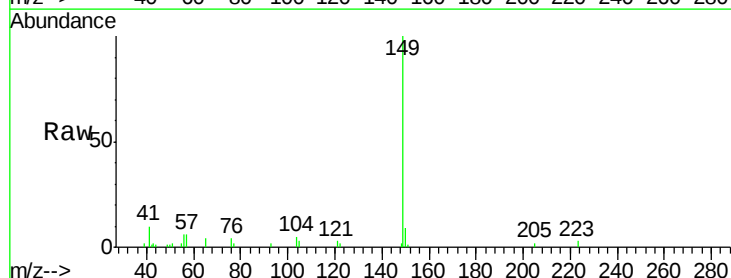
Tgt Ion:149 Resp: 25503

Ion Ratio Lower Upper

149 100

150 8.9 7.7 11.5

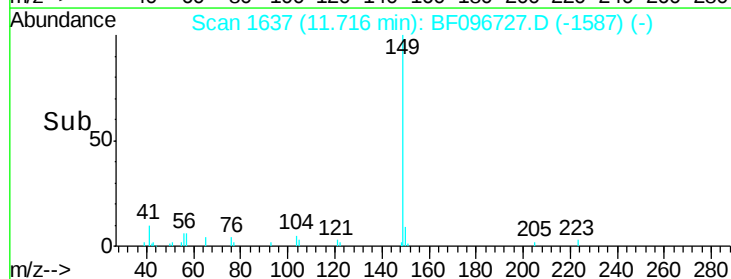
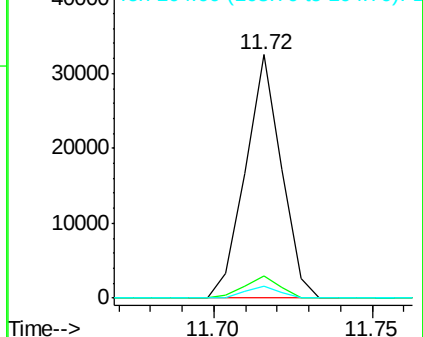
104 5.1 4.0 6.0

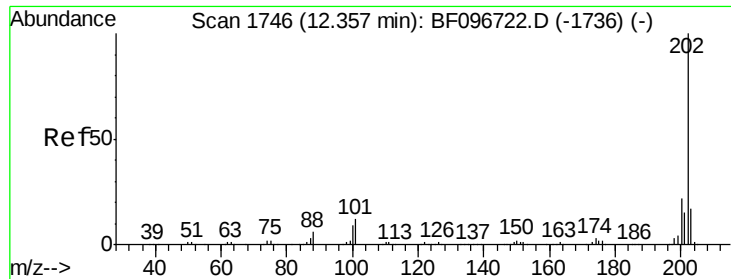


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

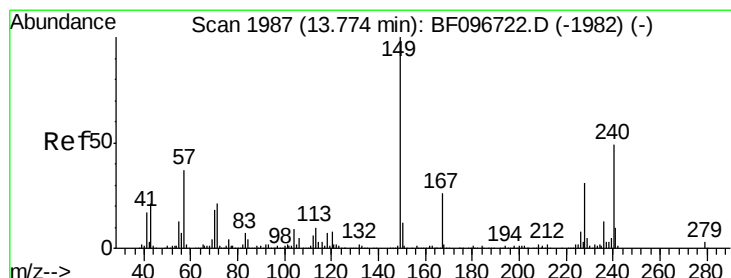
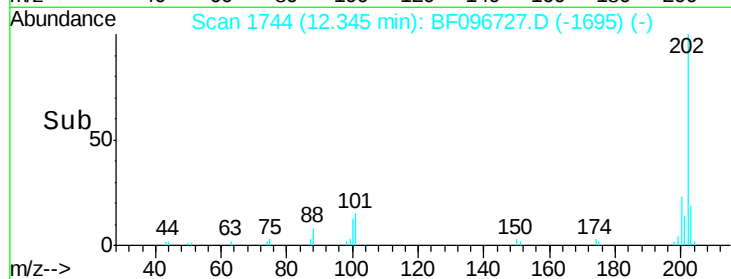
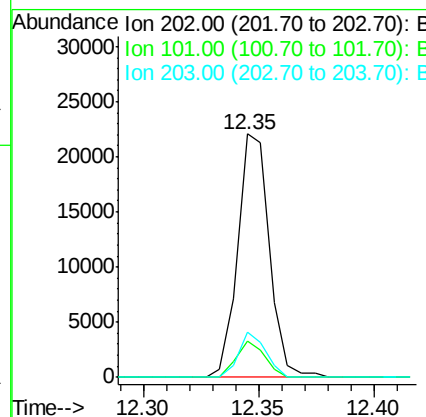
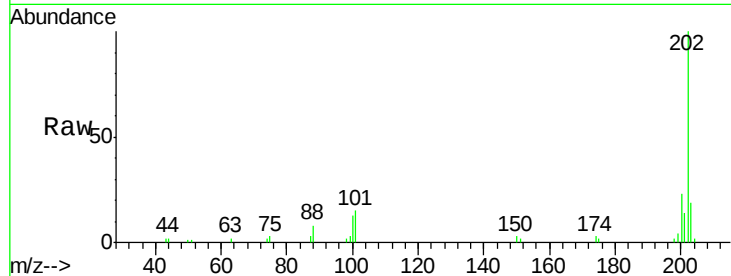




#74
 Fluoranthene
 Concen: 1.10 ng
 RT: 12.35 min Scan# 1744
 Delta R.T. -0.01 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

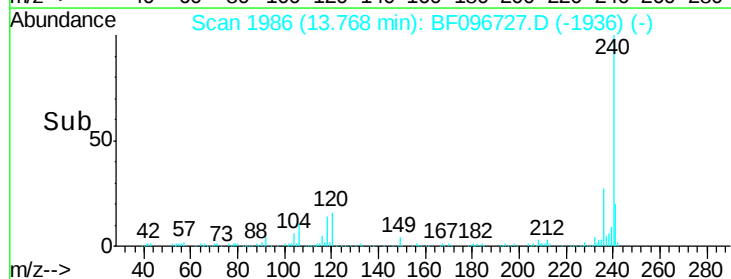
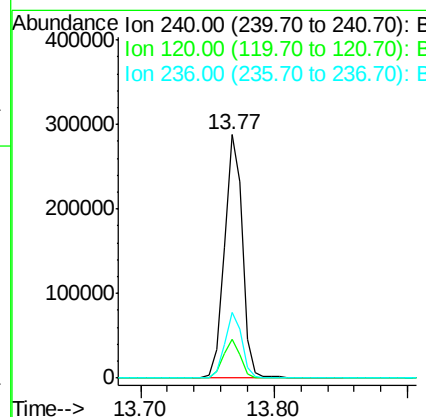
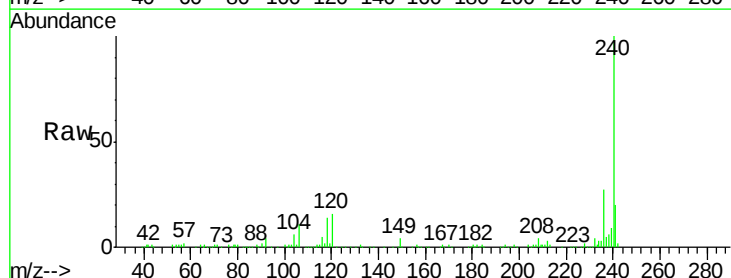
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

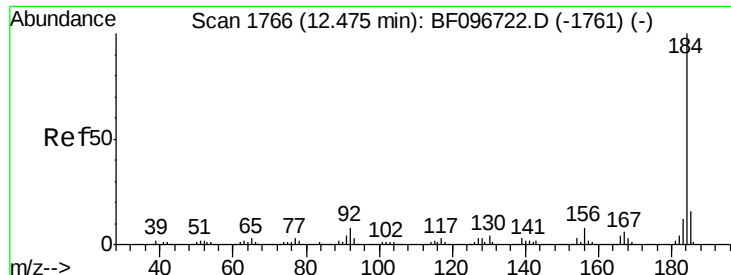
Tot Ion	Ratio	Lower	Upper
202	100		
101	15.1	0.0	33.2
203	18.7	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.77 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: BF096727.D
 Acq: 13 Jul 2017 14:58

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.7	5.8	8.8#
236	26.9	20.5	30.7

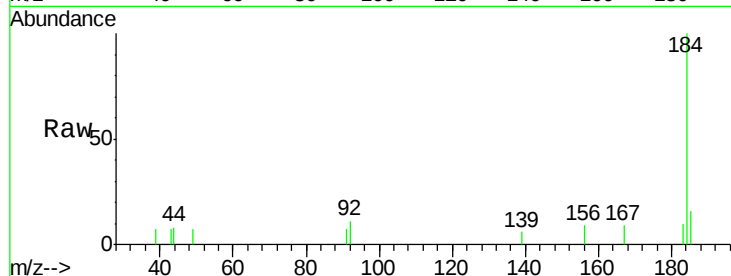




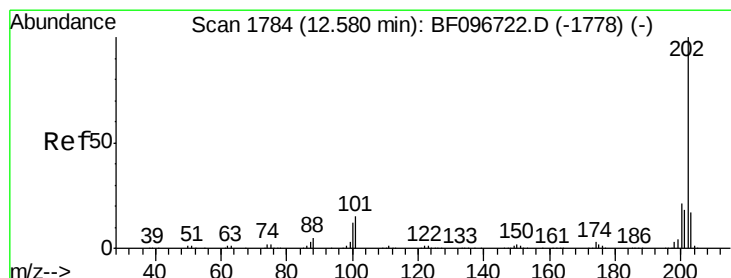
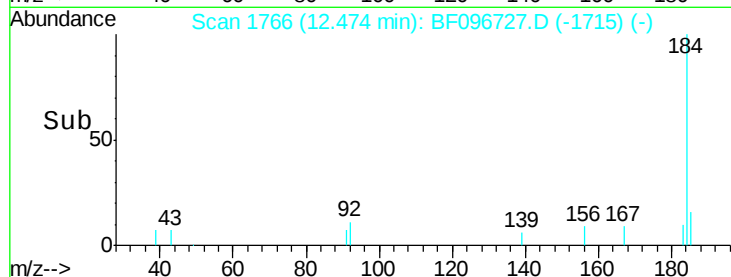
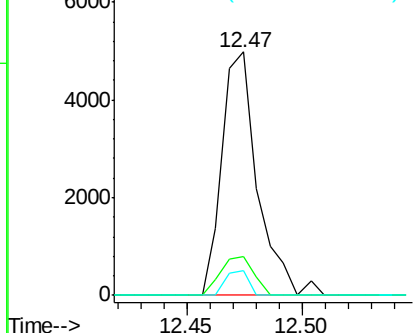
#76
Benzidine
Concen: 0.60 ng
RT: 12.47 min Scan# 1766
Delta R.T. -0.00 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

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

Tot Ion:184 Resp: 5344
Ion Ratio Lower Upper
184 100
185 15.7 15.5 23.3
183 10.1 9.8 14.6

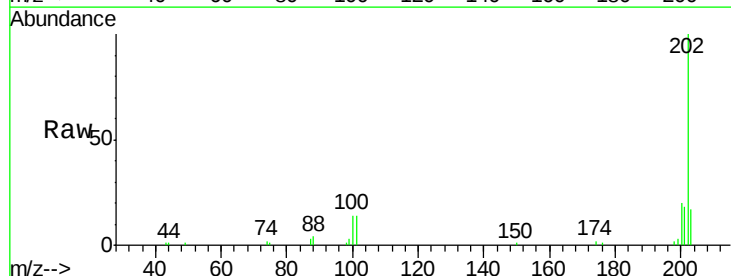


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

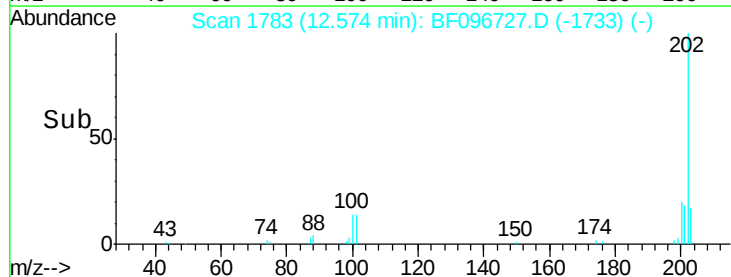
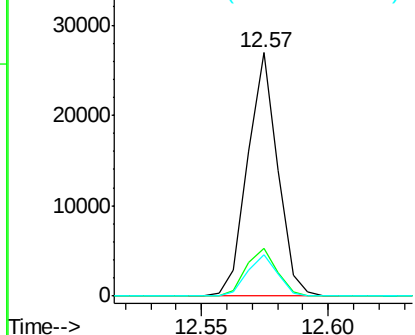


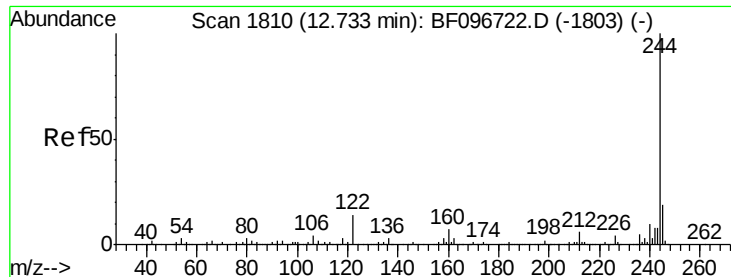
#77
Pyrene
Concen: 0.90 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion:202 Resp: 22206
Ion Ratio Lower Upper
202 100
200 19.6 17.6 26.4
203 17.0 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: 63.39 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.00 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

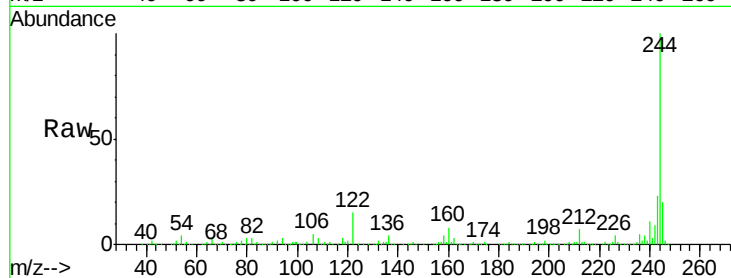
Tot Ion:244 Resp: 997934

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

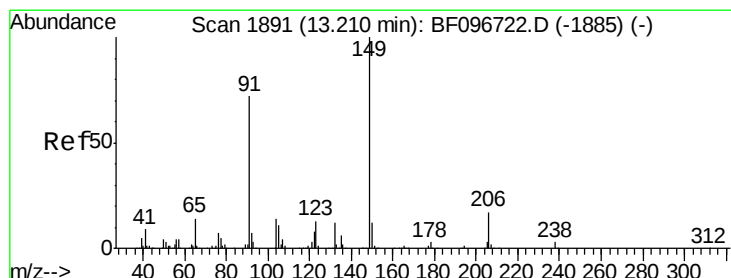
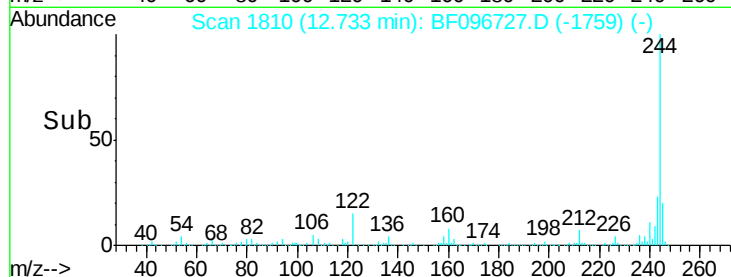
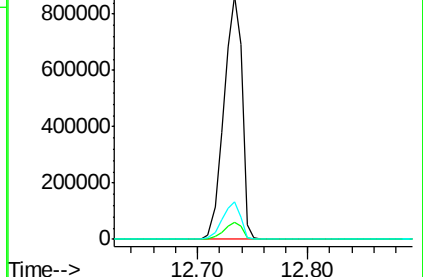
122 15.4 10.3 15.5



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: 1.73 ng

RT: 13.20 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

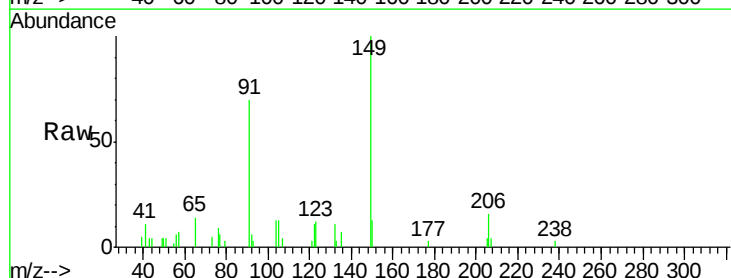
Tgt Ion:149 Resp: 10205

Ion Ratio Lower Upper

149 100

91 70.0 45.0 67.4#

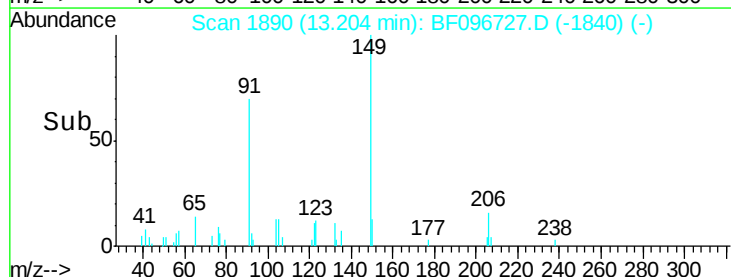
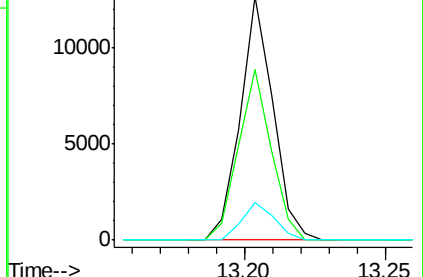
206 15.5 17.0 25.6#

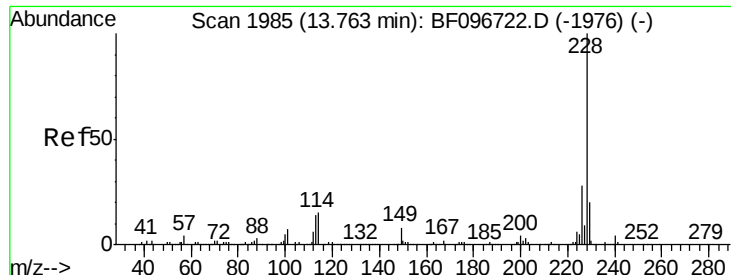


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 1.02 ng

RT: 13.76 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

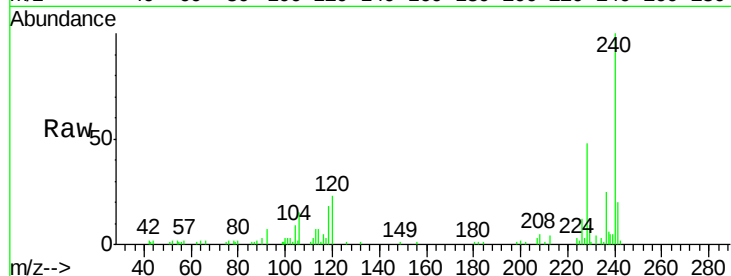
Tot Ion:228 Resp: 17313

Ion Ratio Lower Upper

228 100

226 25.6 22.6 33.8

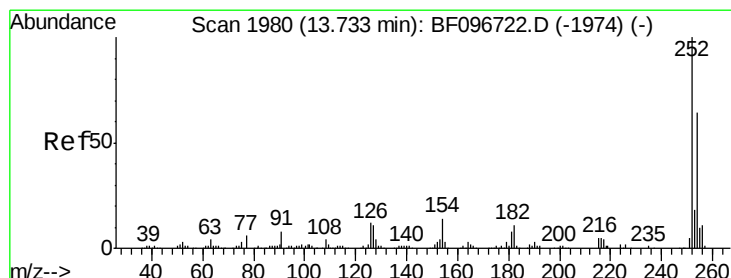
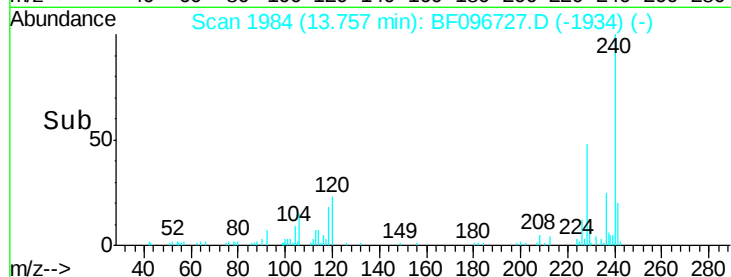
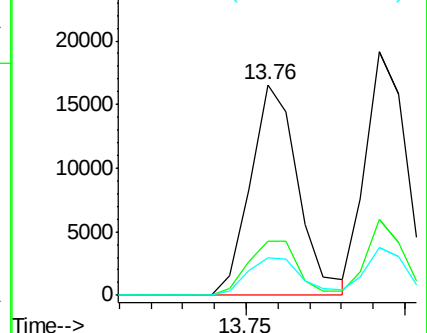
229 17.7 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 0.85 ng

RT: 13.72 min Scan# 1978

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

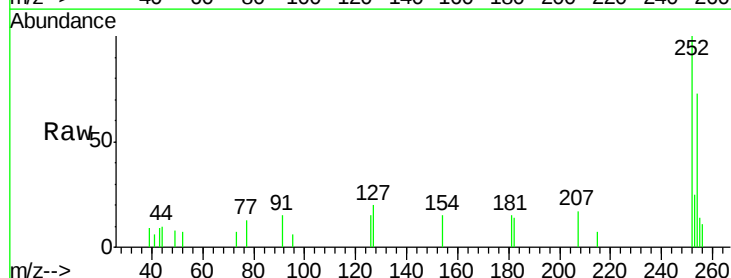
Tgt Ion:252 Resp: 5198

Ion Ratio Lower Upper

252 100

254 72.7 51.5 77.3

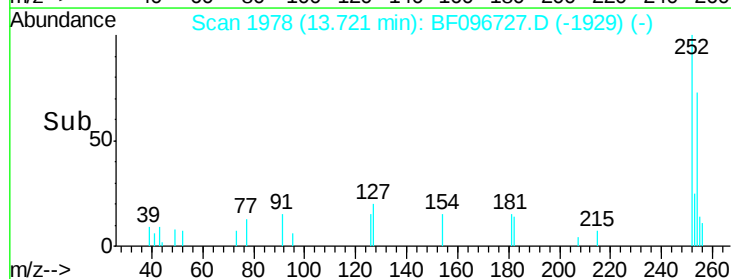
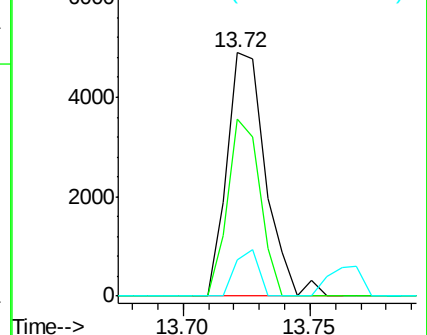
126 15.1 15.8 23.8#

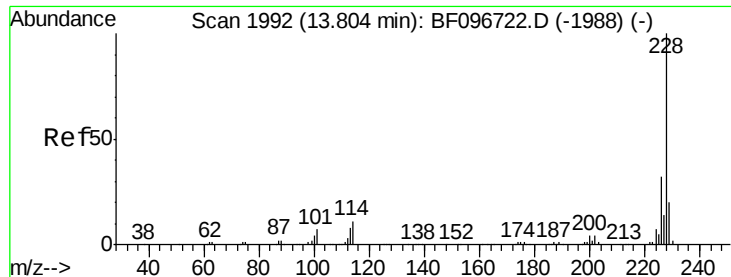


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 1.01 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

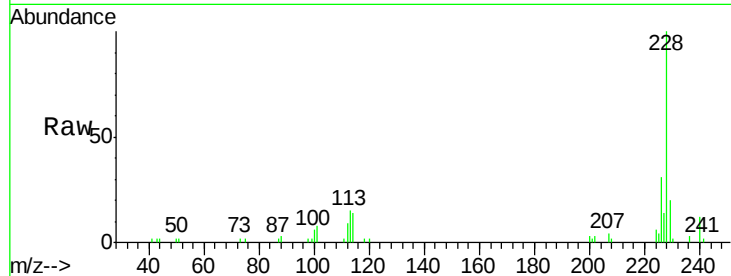
Tot Ion:228 Resp: 16833

Ion Ratio Lower Upper

228 100

226 31.3 24.9 37.3

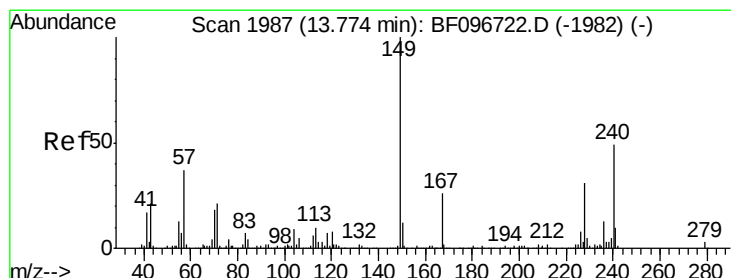
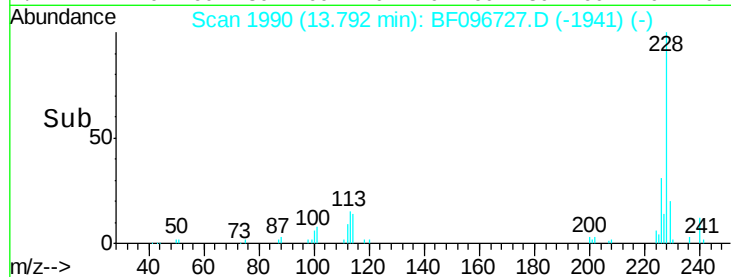
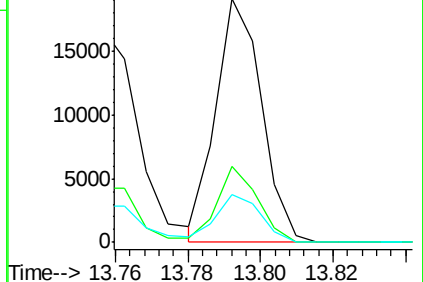
229 19.6 15.8 23.6



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: 1.03 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

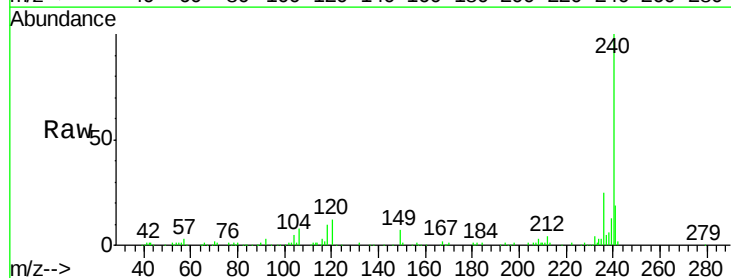
Tgt Ion:149 Resp: 14804

Ion Ratio Lower Upper

149 100

167 28.6 21.0 31.4

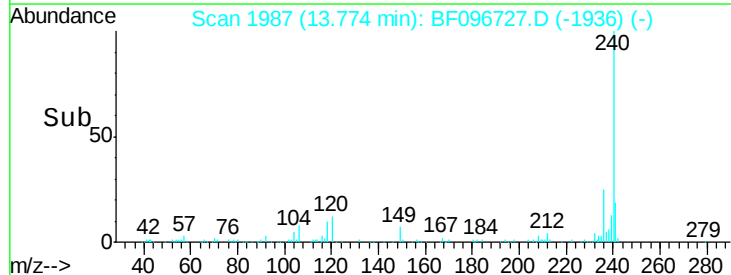
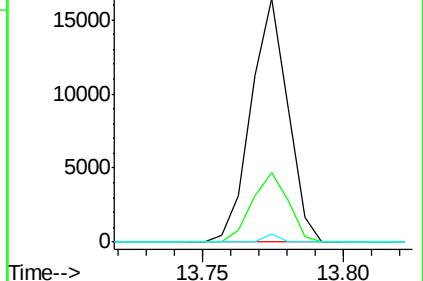
279 3.5 1.9 2.9#

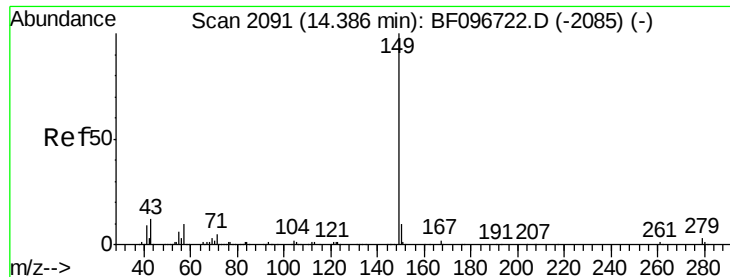


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.89 ng

RT: 14.38 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

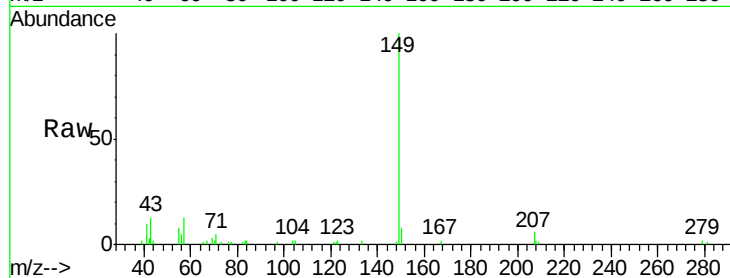
Tot Ion:149 Resp: 21157

Ion Ratio Lower Upper

149 100

167 1.4 1.2 1.8

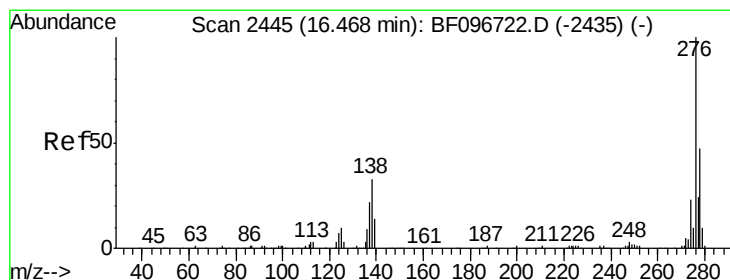
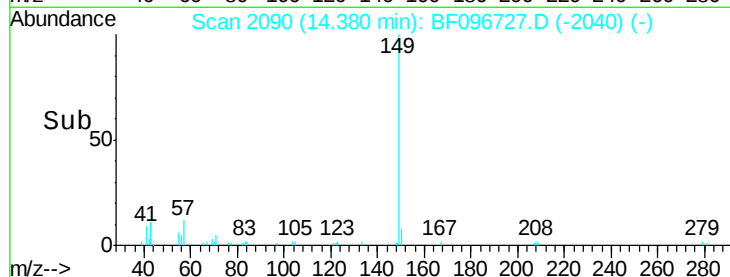
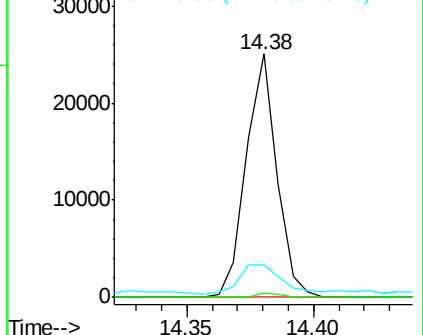
43 19.7 8.5 12.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.16 ng

RT: 16.45 min Scan# 2442

Delta R.T. -0.02 min

Lab File: BF096727.D

Acq: 13 Jul 2017 14:58

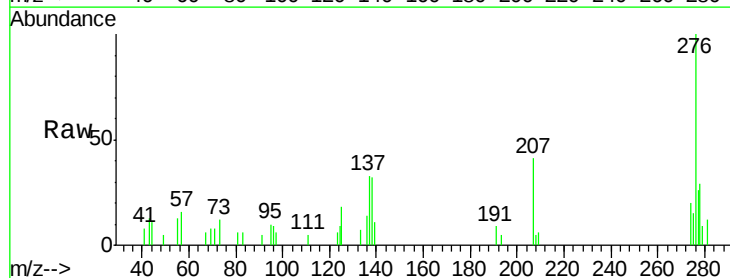
Tgt Ion:276 Resp: 13413

Ion Ratio Lower Upper

276 100

138 41.7 27.8 41.6#

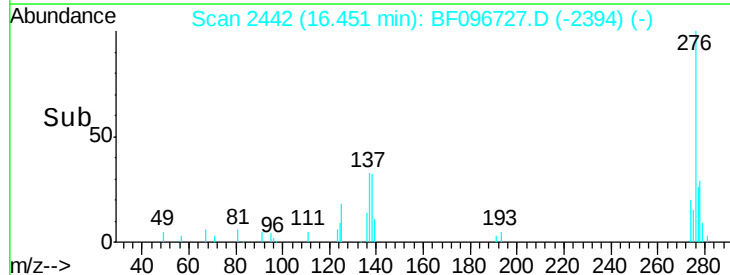
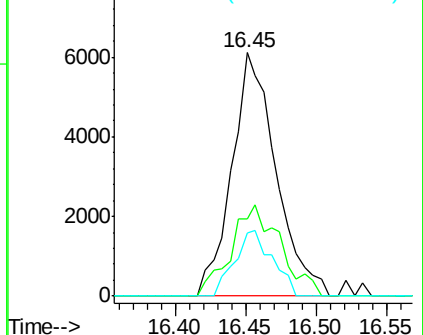
277 22.7 20.2 30.4

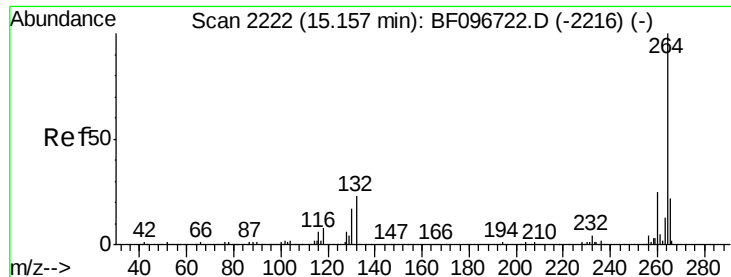


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

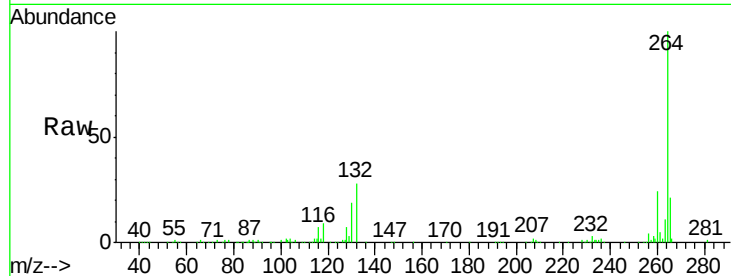




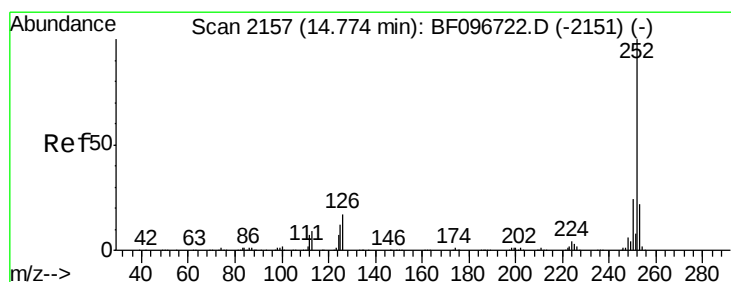
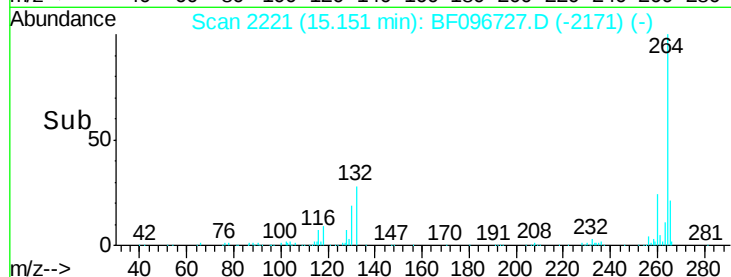
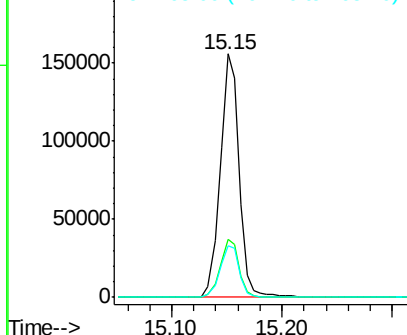
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

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

Tot Ion:264 Resp: 185319
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 21.1 17.2 25.8

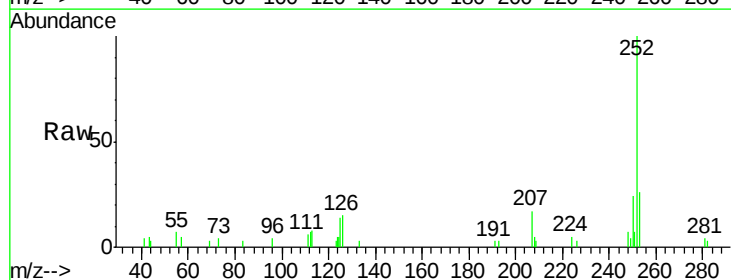


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

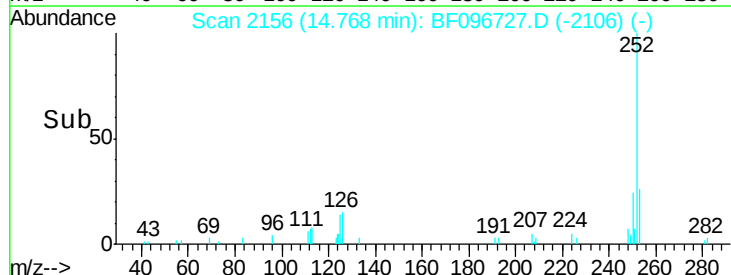
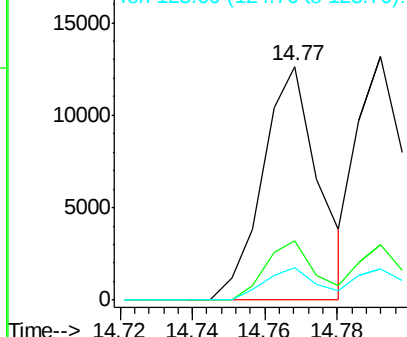


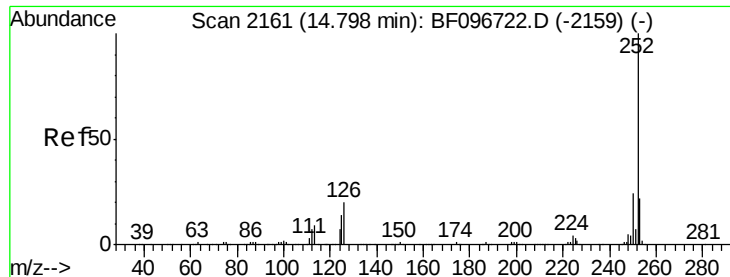
#87
Benzo(b)fluoranthene
Concen: 1.21 ng
RT: 14.77 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion:252 Resp: 13530
Ion Ratio Lower Upper
252 100
253 25.6 18.1 27.1
125 13.7 9.8 14.8



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

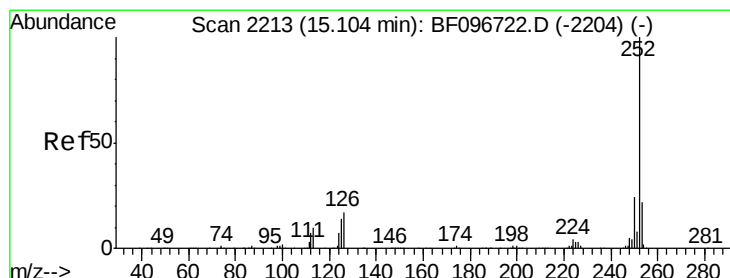
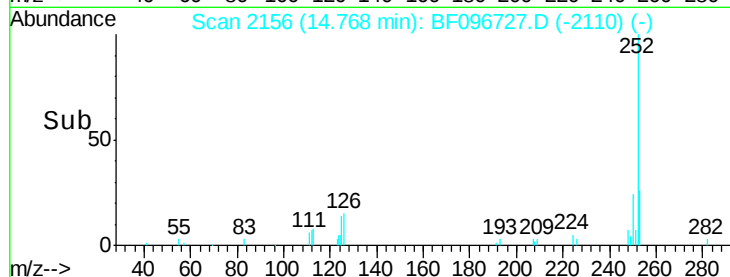
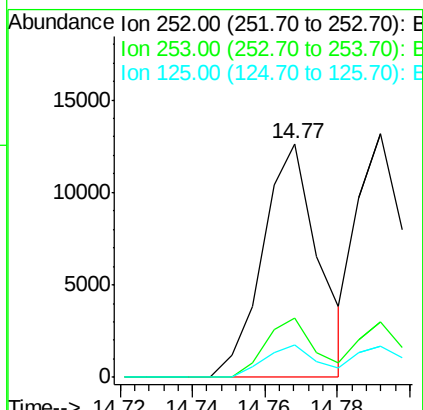
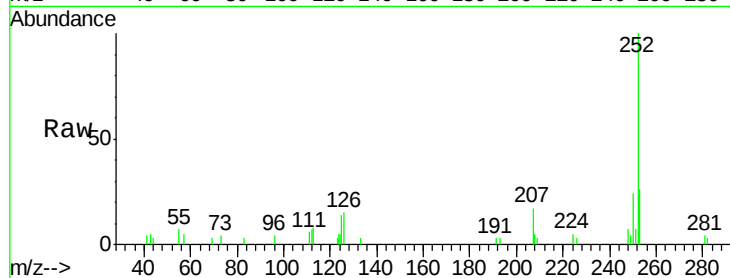




#88
Benzo(k)fluoranthene
Concen: 1.28 ng
RT: 14.77 min Scan# 2156
Delta R.T. -0.03 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

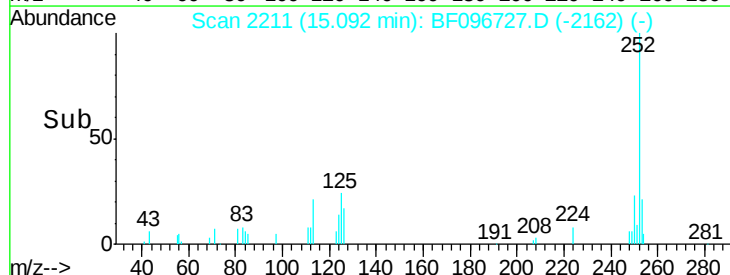
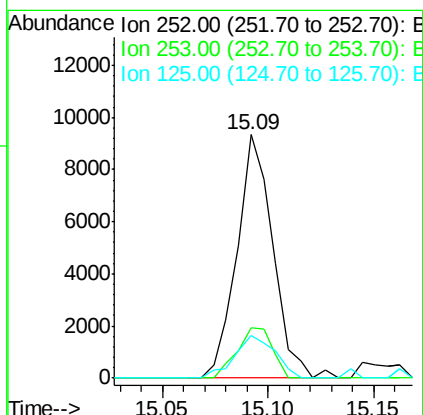
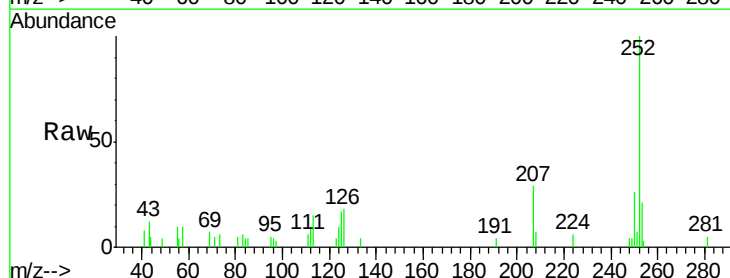
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT3-2017

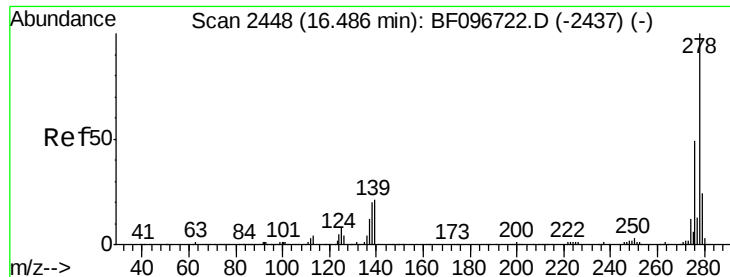
Tot Ion:252 Resp: 13530
Ion Ratio Lower Upper
252 100
253 25.6 18.4 27.6
125 13.7 13.1 19.7



#89
Benzo(a)pyrene
Concen: 1.08 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion:252 Resp: 11027
Ion Ratio Lower Upper
252 100
253 20.7 17.5 26.3
125 17.3 11.0 16.4#

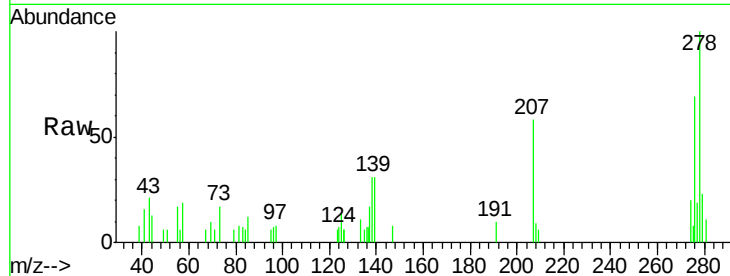




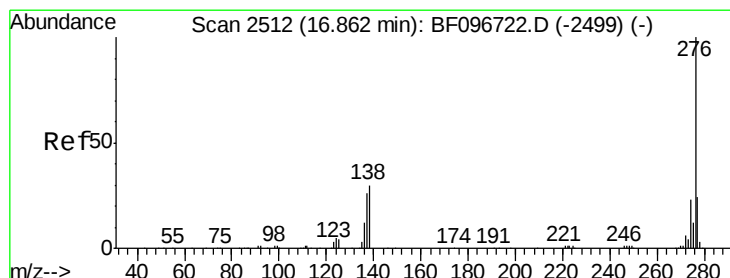
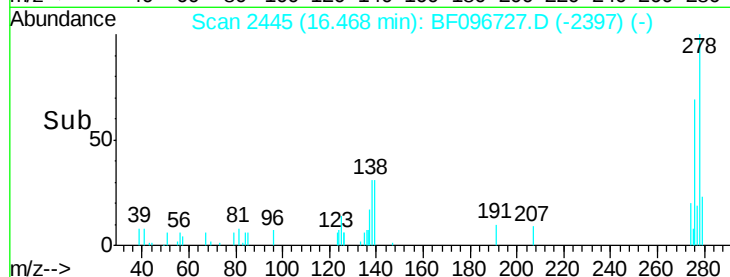
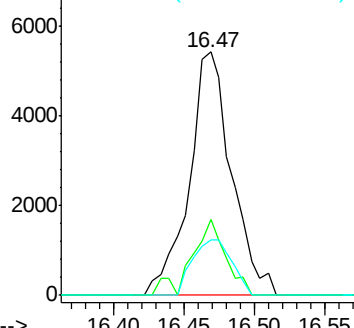
#90
Dibenzo(a,h)anthracene
Concen: 1.21 ng
RT: 16.47 min Scan# 2445
Delta R.T. -0.02 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

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

Tot Ion:278 Resp: 11433
Ion Ratio Lower Upper
278 100
139 31.4 16.6 24.8#
279 22.7 19.3 28.9

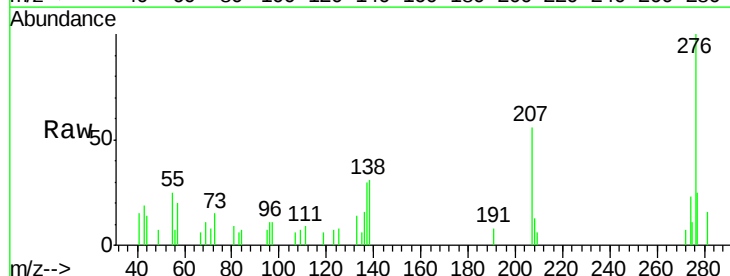


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 1.15 ng
RT: 16.84 min Scan# 2508
Delta R.T. -0.02 min
Lab File: BF096727.D
Acq: 13 Jul 2017 14:58

Tgt Ion:276 Resp: 11592
Ion Ratio Lower Upper
276 100
277 24.5 18.6 28.0
138 31.2 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

