

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099099.D
 Acq On : 5 Oct 2017 12:29
 Operator : SJ/JU
 Sample : I5275-02
 Misc : L00 20 PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2017

Quant Time: Oct 05 17:14:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 09:04:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	114152	20.00	ng	-0.06
21) Naphthalene-d8	8.15	136	478308	20.00	ng	-0.06
38) Acenaphthene-d10	9.90	164	216876	20.00	ng	-0.06
63) Phenanthrene-d10	11.39	188	387945	20.00	ng	-0.06
75) Chrysene-d12	14.03	240	319020	20.00	ng	-0.06
86) Perylene-d12	15.50	264	294329	20.00	ng	-0.07

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1057525	147.48	ng	-0.05
7) Phenol-d6	6.50	99	1294608	146.35	ng	-0.05
23) Nitrobenzene-d5	7.43	82	690323	92.56	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	269473	151.85	ng	-0.05
44) 2-Fluorobiphenyl	9.22	172	1212946	93.37	ng	-0.06
78) Terphenyl-d14	12.97	244	1100844	78.48	ng	-0.06

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.64	88	68538	20.009	ng	96
3) Pyridine	3.46	79	188773	20.372	ng	94
4) n-Nitrosodimethylamine	3.36	42	74709	19.013	ng	87
6) Aniline	6.53	93	247870	20.761	ng	99
8) 2-Chlorophenol	6.65	128	168504	20.750	ng	98
9) Benzaldehyde	6.42	77	78712	15.340	ng	94
10) Phenol	6.51	94	203605	20.580	ng	97
11) bis(2-Chloroethyl)ether	6.60	93	158673	20.631	ng	98
12) 1,3-Dichlorobenzene	6.80	146	181847	21.382	ng	99
13) 1,4-Dichlorobenzene	6.88	146	187450	21.663	ng	99
14) 1,2-Dichlorobenzene	7.04	146	171151	21.407	ng	96
15) Benzyl Alcohol	7.00	79	135049	20.810	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.13	45	236369	19.726	ng	99
17) 2-Methylphenol	7.11	107	136170	20.494	ng	99
18) Hexachloroethane	7.37	117	64520	20.745	ng	94
19) n-Nitroso-di-n-propylamine	7.27	70	113539	20.103	ng	98
20) 3+4-Methylphenols	7.26	107	178999	21.295	ng	93
22) Acetophenone	7.27	105	242354	20.913	ng	# 96
24) Nitrobenzene	7.45	77	174951	20.678	ng	91
25) Isophorone	7.68	82	304909	19.773	ng	99
26) 2-Nitrophenol	7.76	139	91564	22.506	ng	91
27) 2,4-Dimethylphenol	7.79	122	150755	19.621	ng	98
28) bis(2-Chloroethoxy)methane	7.89	93	199425	20.752	ng	98
29) 2,4-Dichlorophenol	8.00	162	138034	20.924	ng	100
30) 1,2,4-Trichlorobenzene	8.09	180	140853	21.348	ng	99
31) Naphthalene	8.17	128	488408	21.741	ng	99
32) Benzoic acid	7.90	122	74967	11.878	ng	97
33) 4-Chloroaniline	8.22	127	197617	21.065	ng	98
34) Hexachlorobutadiene	8.28	225	70740	20.816	ng	98
35) Caprolactam	8.57	113	42765	20.210	ng	91
36) 4-Chloro-3-methylphenol	8.69	107	153585	20.714	ng	95
37) 2-Methylnaphthalene	8.86	142	313461	21.465	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.03	216	142832	22.083	ng	99
40) Hexachlorocyclopentadiene	9.01	237	25349	8.576	ng	95

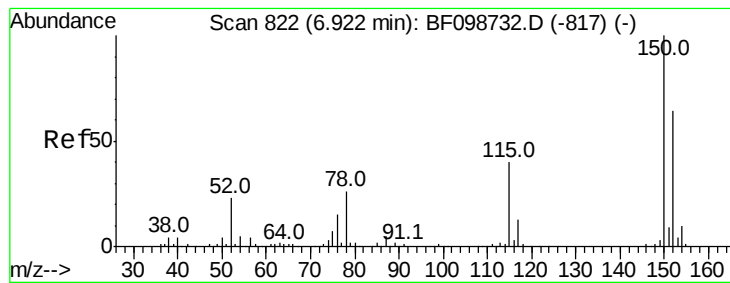
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.13	196	92472	20.181	nq	99
43) 2,4,5-Trichlorophenol	9.17	196	92918	20.314	nq	94
45) 1,1'-Biphenyl	9.32	154	413429	22.181	nq	99
46) 2-Chloronaphthalene	9.35	162	305095	21.801	nq	95
47) 2-Nitroaniline	9.45	65	90054	21.015	nq	94
48) Acenaphthylene	9.76	152	467967	21.844	nq	99
49) Dimethylphthalate	9.62	163	348871	21.313	nq	100
50) 2,6-Dinitrotoluene	9.69	165	77740	21.815	nq	# 85
51) Acenaphthene	9.93	154	281961	20.777	nq	99
52) 3-Nitroaniline	9.85	138	91219	21.953	nq	97
53) 2,4-Dinitrophenol	9.96	184	25295	18.469	nq	92
54) Dibenzofuran	10.10	168	395283	21.876	nq	98
55) 4-Nitrophenol	10.01	139	67895	19.324	nq	84
56) 2,4-Dinitrotoluene	10.09	165	104361	22.565	nq	96
57) Fluorene	10.45	166	329728	22.704	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.22	232	63188	19.998	nq	98
59) Diethylphthalate	10.32	149	338319	21.152	nq	99
60) 4-Chlorophenyl-phenylether	10.44	204	141299	21.659	nq	97
61) 4-Nitroaniline	10.46	138	91926	22.932	nq	94
62) Azobenzene	10.60	77	302571	20.574	nq	98
64) 4,6-Dinitro-2-methylphenol	10.50	198	46853	19.850	nq	87
65) n-Nitrosodiphenylamine	10.56	169	288769	21.486	nq	99
66) 4-Bromophenyl-phenylether	10.93	248	80050	21.081	nq	99
67) Hexachlorobenzene	11.00	284	85708	21.133	nq	95
68) Atrazine	11.08	200	84237	20.832	nq	98
69) Pentachlorophenol	11.19	266	37676	14.926	nq	98
70) Phenanthrene	11.42	178	460828	22.192	nq	98
71) Anthracene	11.46	178	472234	22.226	nq	99
72) Carbazole	11.62	167	461988	22.204	nq	100
73) Di-n-butylphthalate	11.94	149	540892	21.597	nq	99
74) Fluoranthene	12.60	202	470577	22.379	nq	98
76) Benzidine	12.72	184	208360	17.658	nq	98
77) Pyrene	12.83	202	491871	20.220	nq	99
79) Butylbenzylphthalate	13.44	149	230086	20.125	nq	98
80) Benzo(a)anthracene	14.02	228	412250	21.341	nq	98
81) 3,3'-Dichlorobenzidine	13.98	252	145923	20.606	nq	98
82) Chrysene	14.06	228	400635	21.784	nq	97
83) Bis(2-ethylhexyl)phthalate	14.00	149	329301	20.918	nq	# 99
84) Di-n-octyl phthalate	14.61	149	559620	22.077	nq	97
85) Indeno(1,2,3-cd)pyrene	16.98	276	348657	23.699	nq	96
87) Benzo(b)fluoranthene	15.07	252	366070	20.229	nq	96
88) Benzo(k)fluoranthene	15.10	252	379958	21.258	nq	100
89) Benzo(a)pyrene	15.44	252	353862	21.302	nq	99
90) Dibenzo(a,h)anthracene	16.99	278	283436	21.321	nq	96
91) Benzo(g,h,i)perylene	17.43	276	275246	20.946	nq	96

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

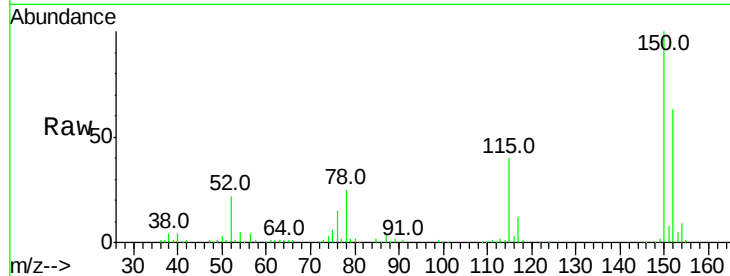


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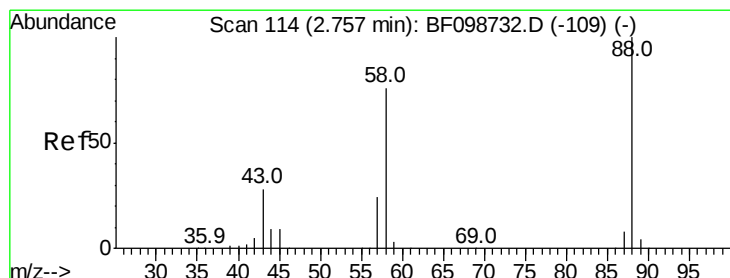
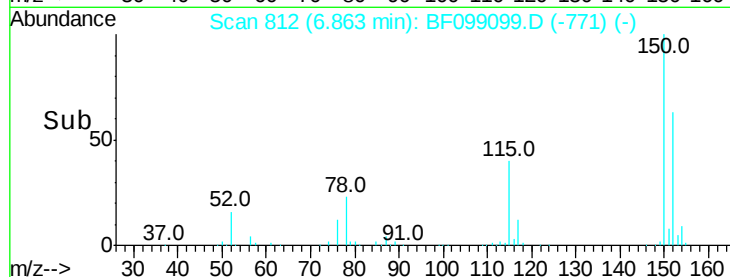
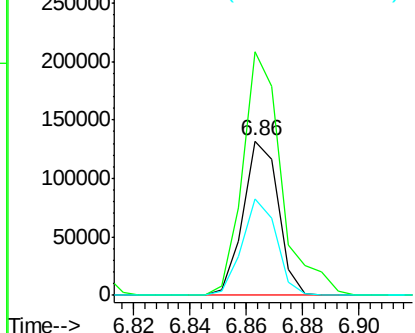
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2017

Tot Ion:152 Resp: 114152
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 62.8 50.1 75.1



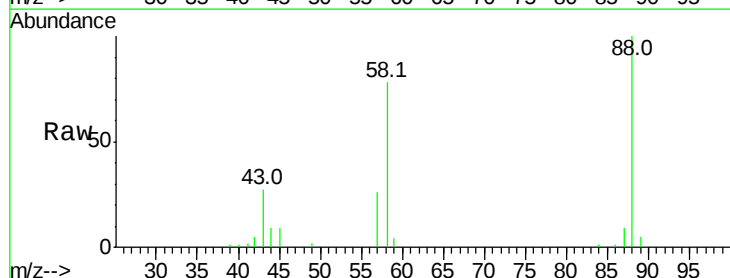
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



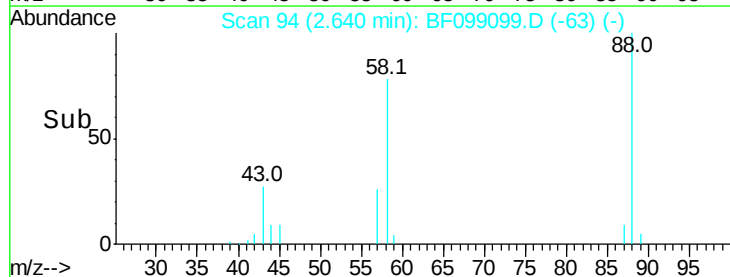
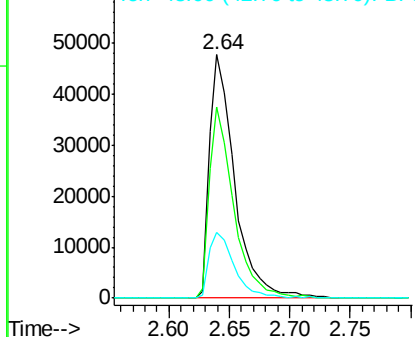
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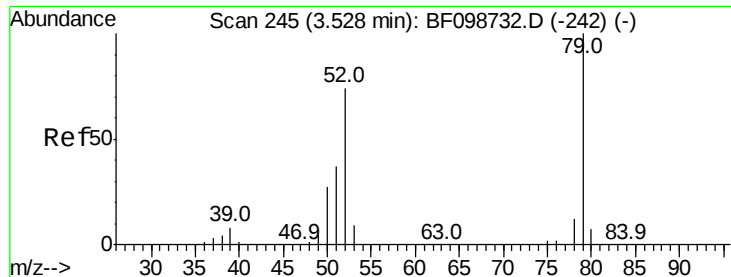
1,4-Dioxane
Concen: 20.009 ng
RT: 2.64 min Scan# 94
Delta R.T. -0.12 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Tgt Ion: 88 Resp: 68538
Ion Ratio Lower Upper
88 100
58 75.7 62.6 93.8
43 27.1 24.6 37.0



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: 20.372 ng

RT: 3.46 min Scan# 234

Delta R.T. -0.06 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2017

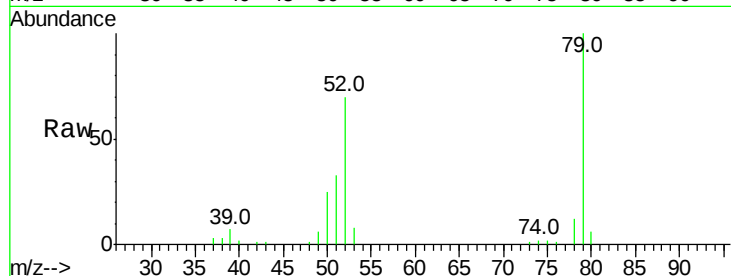
Tot Ion: 79 Resp: 188773

Ion Ratio Lower Upper

79 100

52 69.6 59.8 89.6

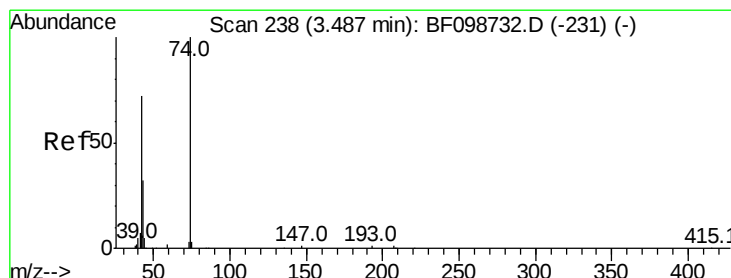
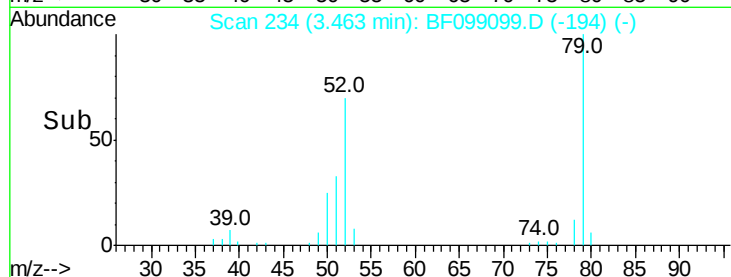
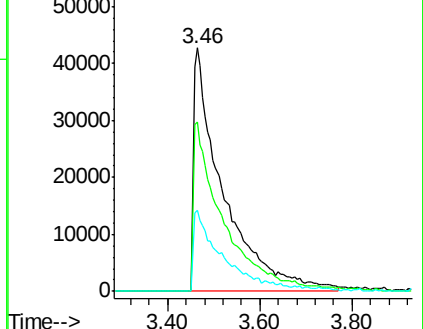
51 33.5 29.8 44.8



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 19.013 ng

RT: 3.36 min Scan# 216

Delta R.T. -0.13 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

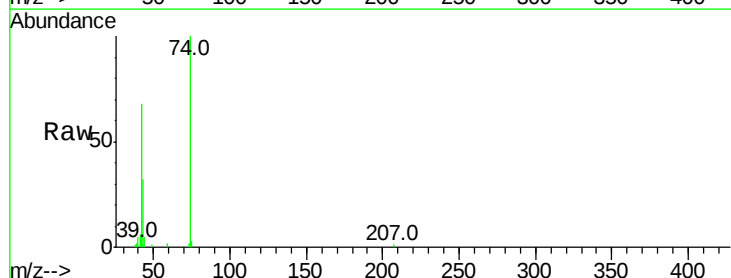
Tgt Ion: 42 Resp: 74709

Ion Ratio Lower Upper

42 100

74 147.0 104.9 157.3

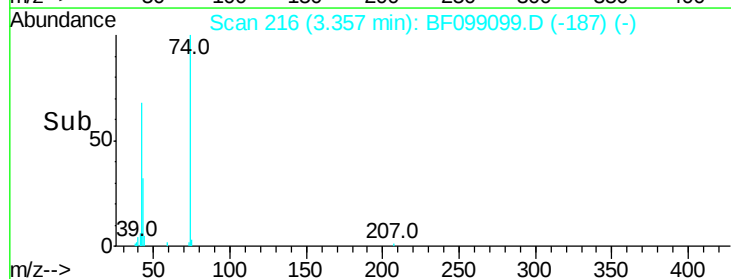
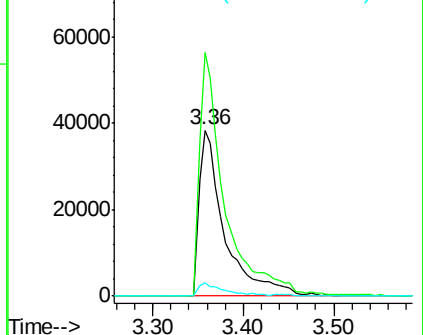
44 7.7 6.9 10.3



Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 147.477 ng

RT: 5.49 min Scan# 578

Delta R.T. -0.05 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2017

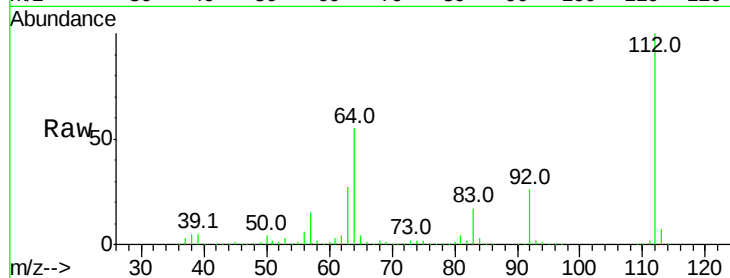
Tot Ion:112 Resp: 1057525

Ion Ratio Lower Upper

112 100

64 55.3 47.9 71.9

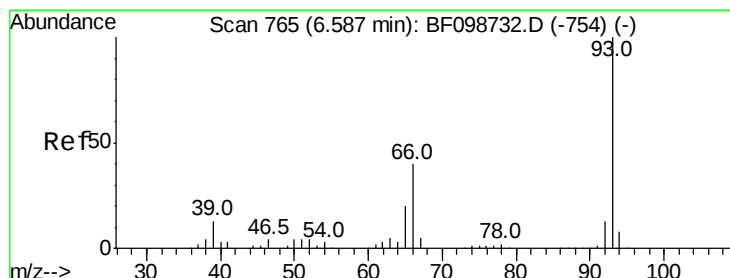
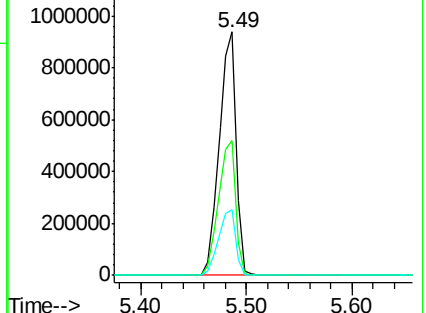
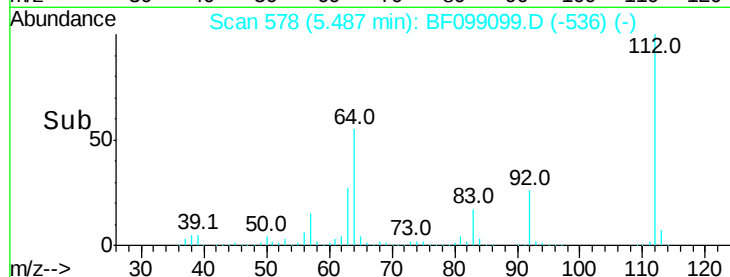
63 27.2 23.7 35.5



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: 20.761 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.05 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

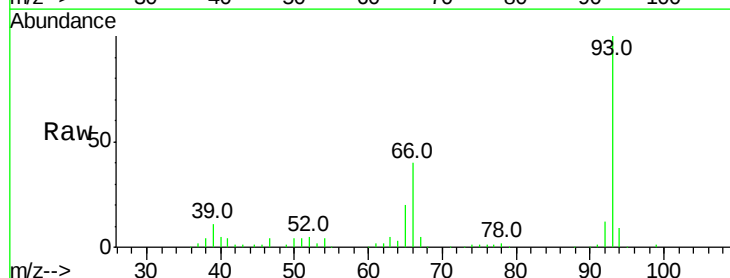
Tgt Ion: 93 Resp: 247870

Ion Ratio Lower Upper

93 100

66 39.7 32.2 48.2

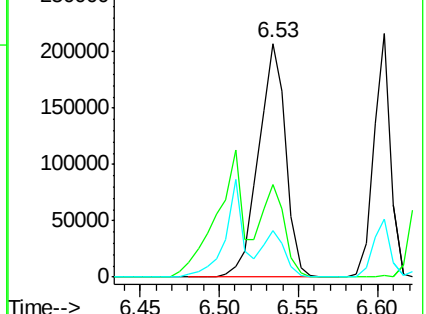
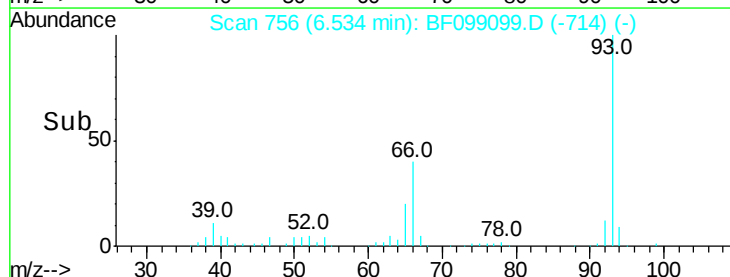
65 19.7 16.4 24.6

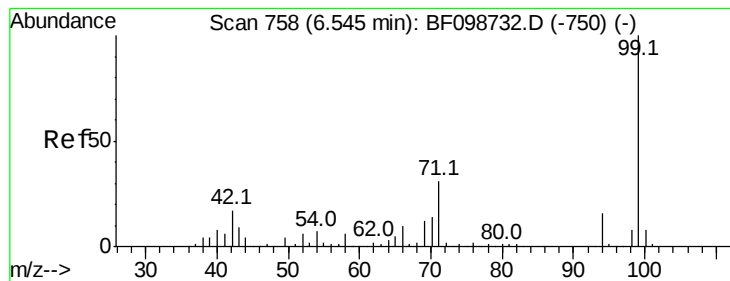


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 146.350 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.05 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

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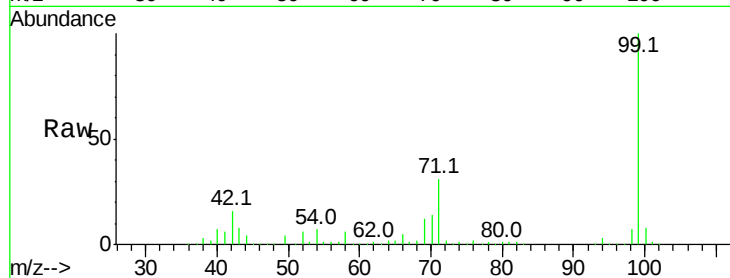
Tot Ion: 99 Resp: 1294608

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

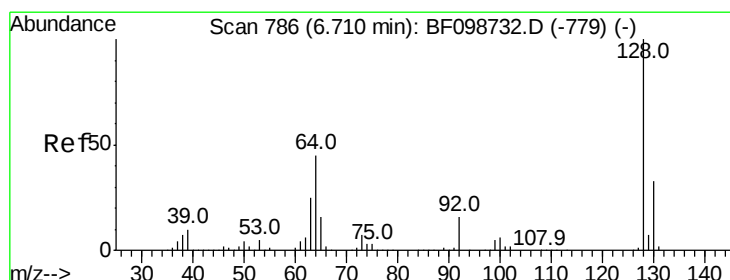
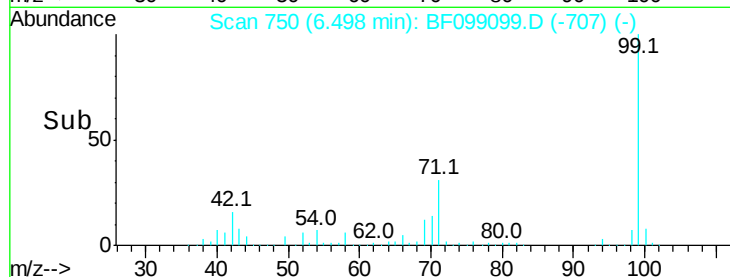
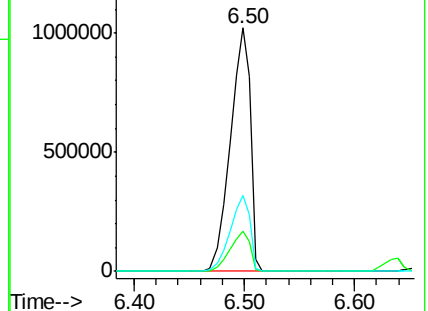
71 31.4 25.4 38.0



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: 20.750 ng

RT: 6.65 min Scan# 776

Delta R.T. -0.06 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

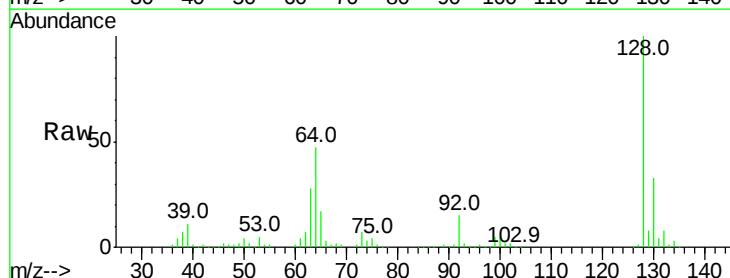
Tgt Ion:128 Resp: 168504

Ion Ratio Lower Upper

128 100

130 32.9 13.0 53.0

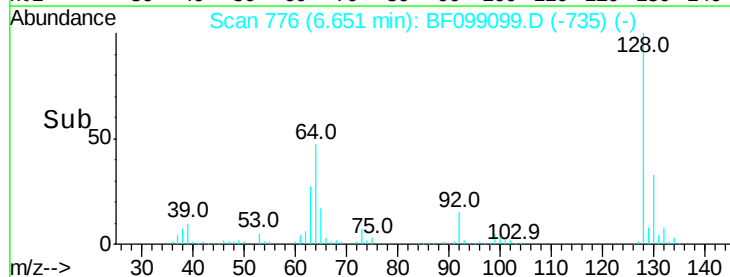
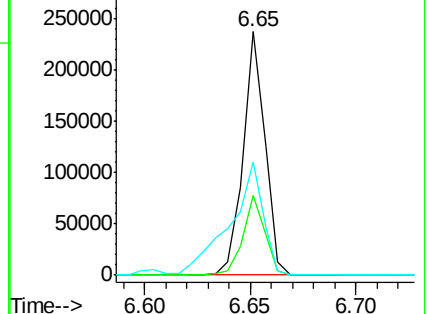
64 46.6 29.4 69.4

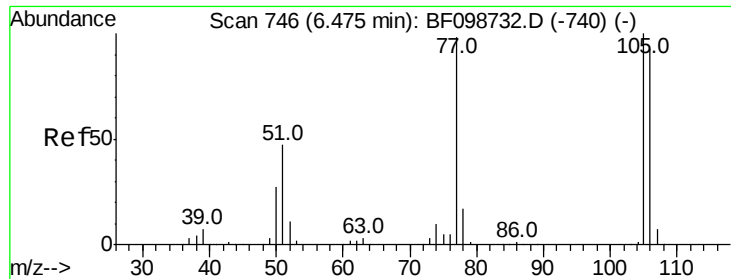


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 15.340 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.05 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

Instrument :

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LOQ-SOIL-02-QT4-2017

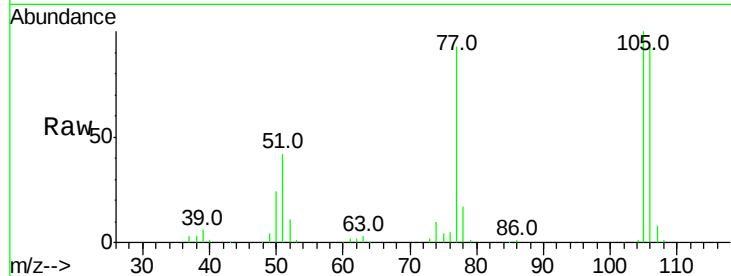
Tot Ion: 77 Resp: 78712

Ion Ratio Lower Upper

77 100

105 107.0 81.1 121.1

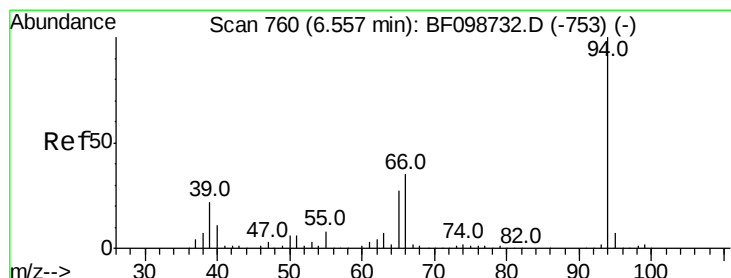
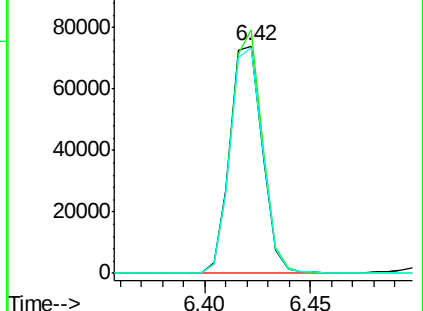
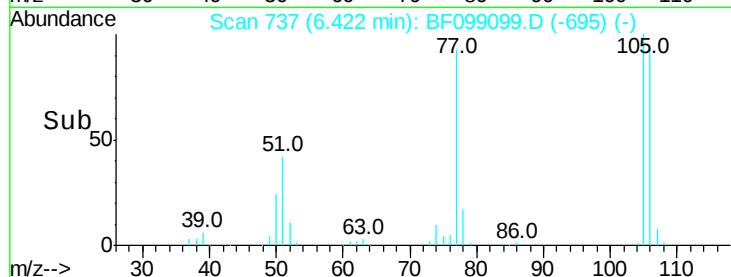
106 99.4 74.5 114.5



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: 20.580 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.05 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

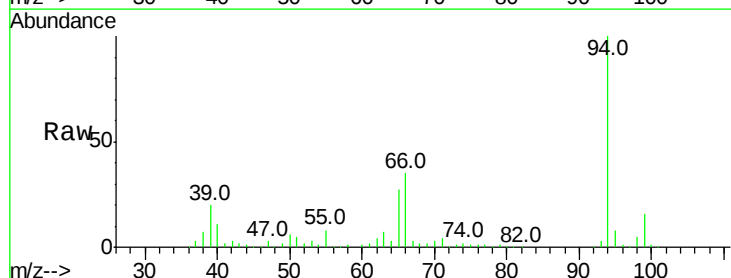
Tgt Ion: 94 Resp: 203605

Ion Ratio Lower Upper

94 100

65 26.5 7.9 47.9

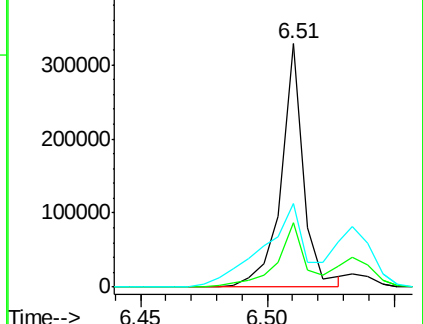
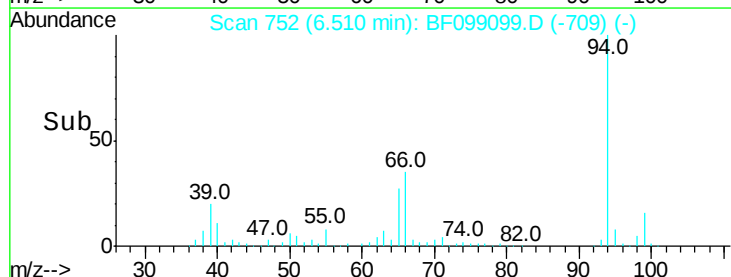
66 34.5 16.2 56.2

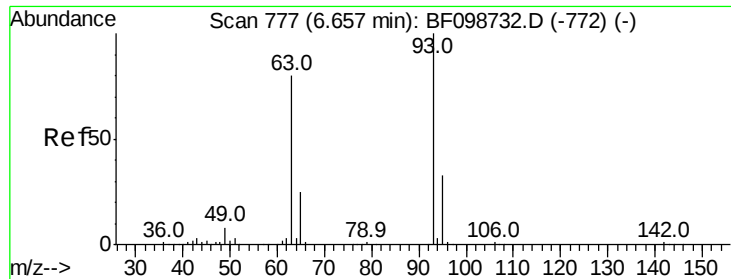


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

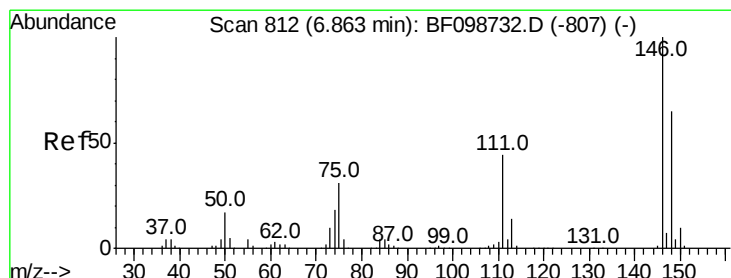
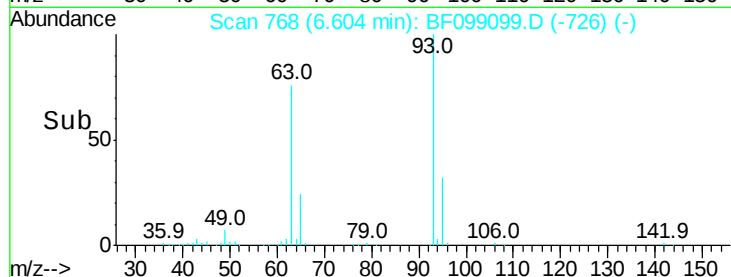
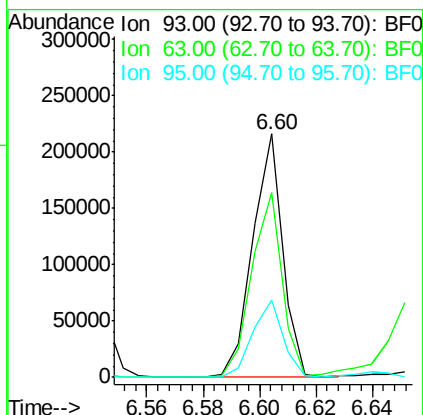
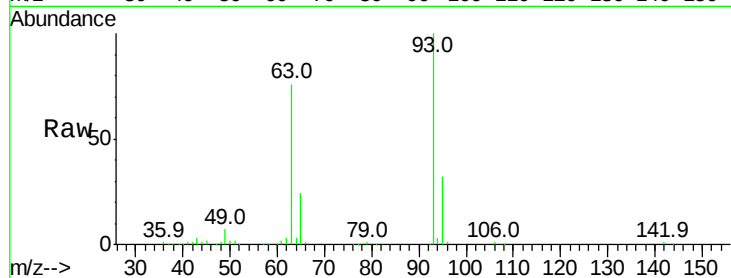




#11
bis(2-Chloroethyl)ether
Concen: 20.631 ng
RT: 6.60 min Scan# 768
Delta R.T. -0.05 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

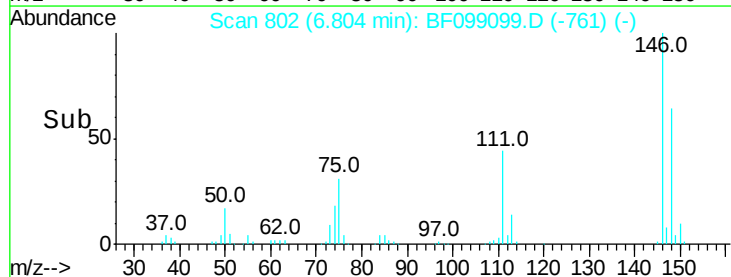
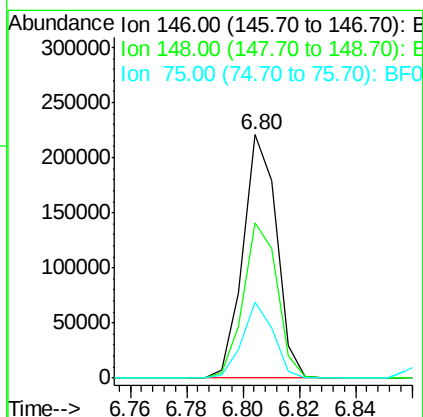
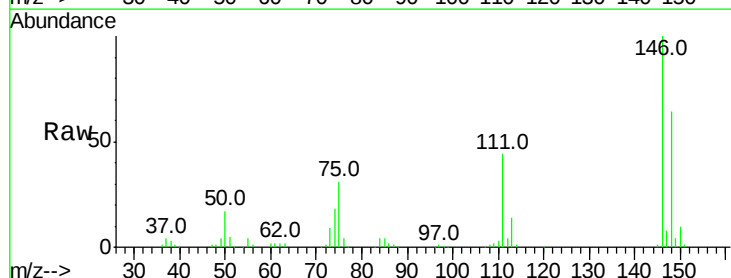
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2017

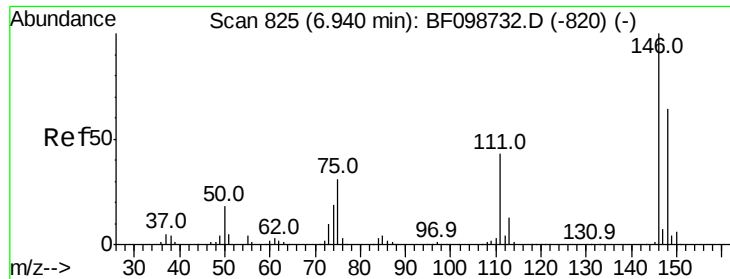
Tot Ion: 93 Resp: 158673
Ion Ratio Lower Upper
93 100
63 75.8 58.6 98.6
95 31.7 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 21.382 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Tgt Ion: 146 Resp: 181847
Ion Ratio Lower Upper
146 100
148 63.9 51.8 77.8
75 31.0 24.2 36.4

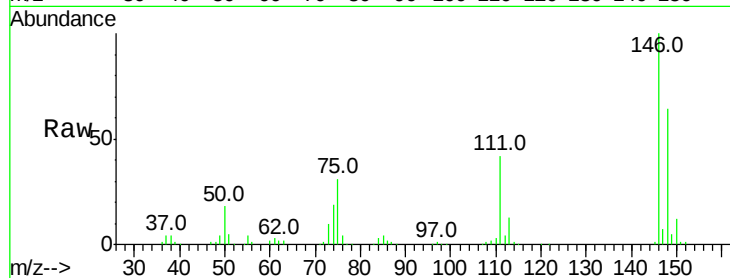




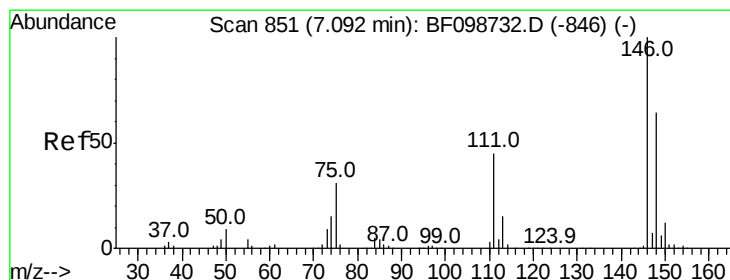
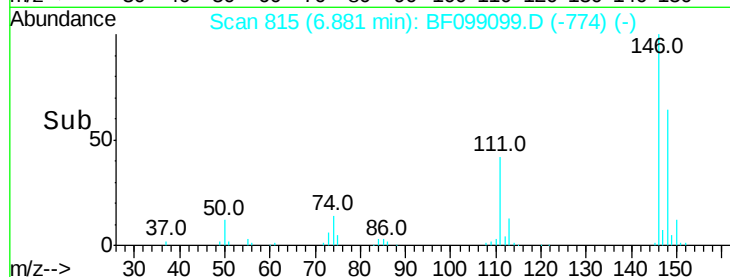
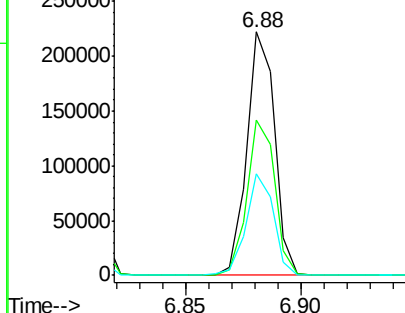
#13
 1,4-Dichlorobenzene
 Concen: 21.663 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.06 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2017

Tot Ion:146 Resp: 187450
 Ion Ratio Lower Upper
 146 100
 148 63.9 50.8 76.2
 111 41.8 34.2 51.2

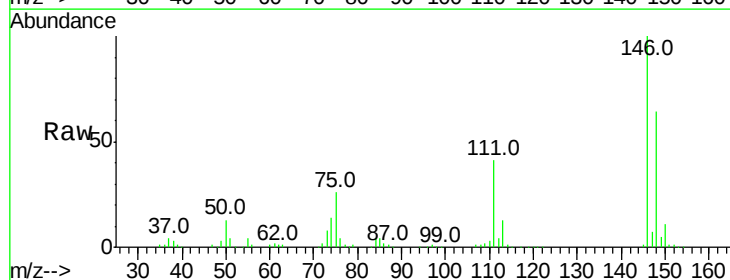


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

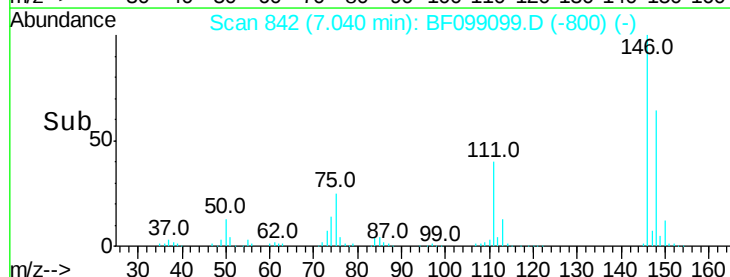
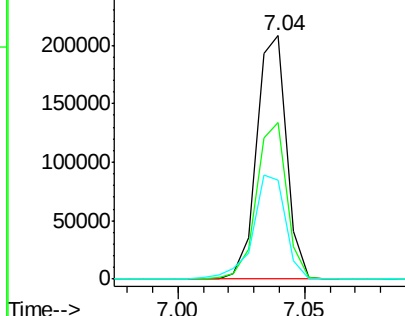


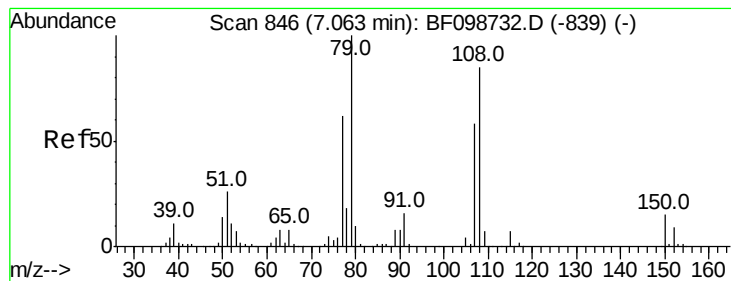
#14
 1,2-Dichlorobenzene
 Concen: 21.407 ng
 RT: 7.04 min Scan# 842
 Delta R.T. -0.05 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

Tgt Ion:146 Resp: 171151
 Ion Ratio Lower Upper
 146 100
 148 64.1 50.6 75.8
 111 40.5 36.0 54.0



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





#15

Benzyl Alcohol

Concen: 20.810 ng

RT: 7.00 min Scan# 836

Delta R.T. -0.06 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2017

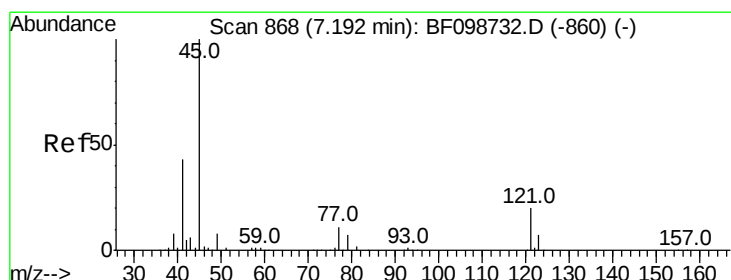
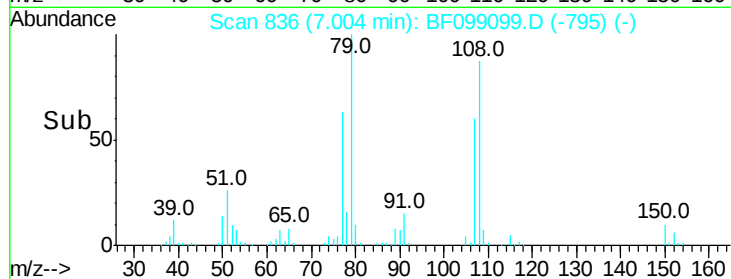
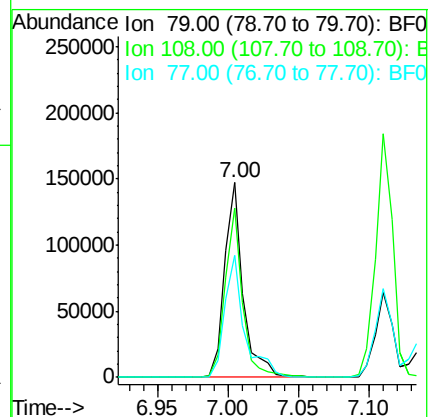
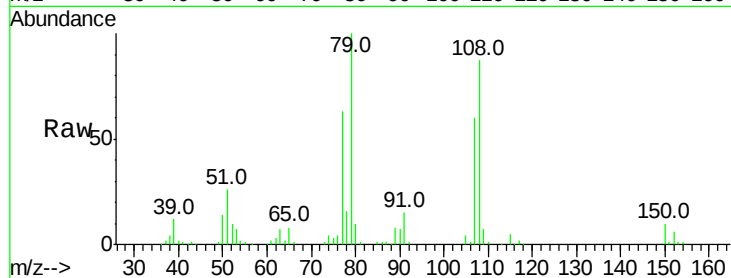
Tot Ion: 79 Resp: 135049

Ion Ratio Lower Upper

79 100

108 87.2 65.1 97.7

77 62.6 50.6 75.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 19.726 ng

RT: 7.13 min Scan# 858

Delta R.T. -0.06 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

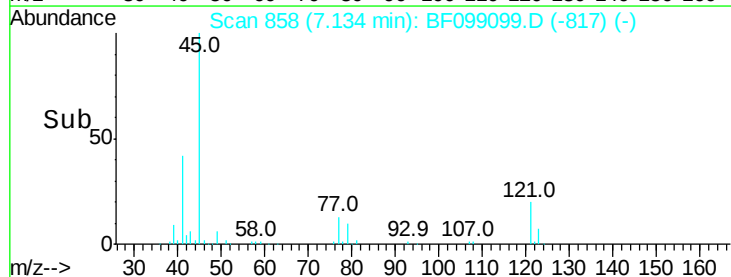
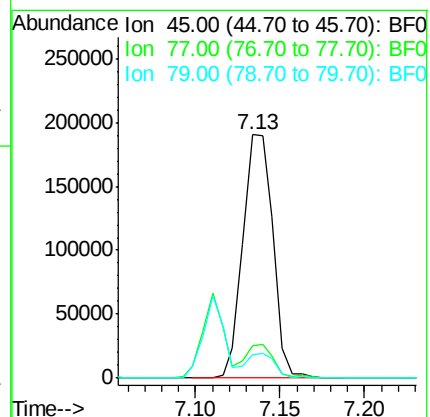
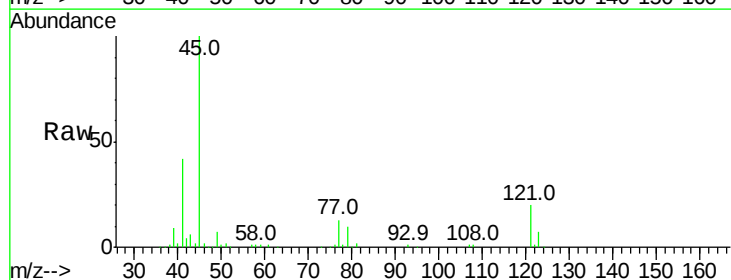
Tgt Ion: 45 Resp: 236369

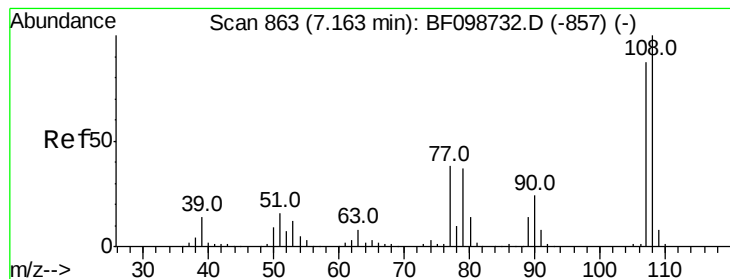
Ion Ratio Lower Upper

45 100

77 13.2 0.0 32.9

79 9.9 0.0 29.6





#17

2-Methylphenol

Concen: 20.494 ng

RT: 7.11 min Scan# 854

Delta R.T. -0.05 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2017

Tot Ion:107 Resp: 136170

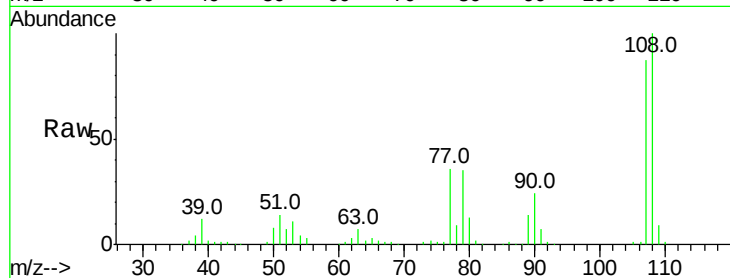
Ion Ratio Lower Upper

107 100

108 115.4 91.7 137.5

77 41.9 33.8 50.8

79 40.5 33.8 50.8

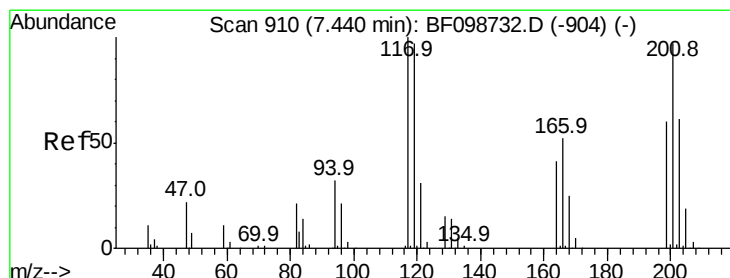
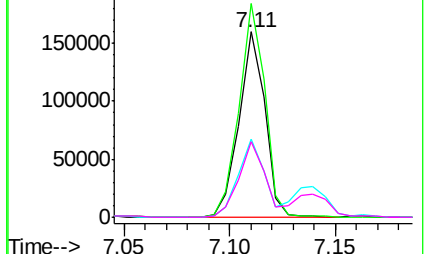
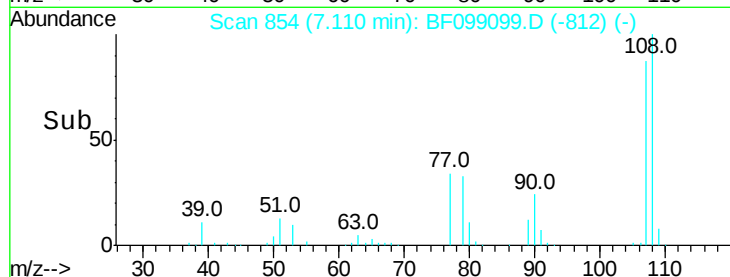


Abundance Ion 107.00 (106.70 to 107.70): E

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: 20.745 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.06 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

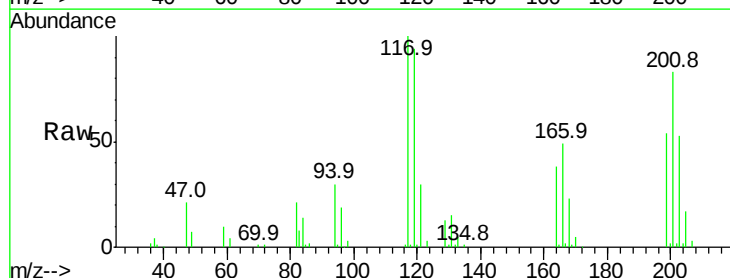
Tgt Ion:117 Resp: 64520

Ion Ratio Lower Upper

117 100

119 94.4 75.8 113.8

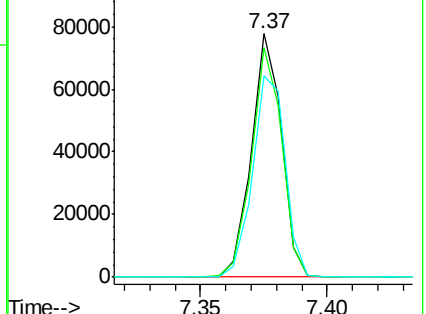
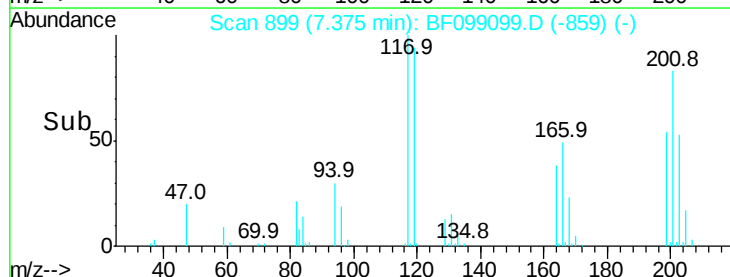
201 82.7 75.7 113.5

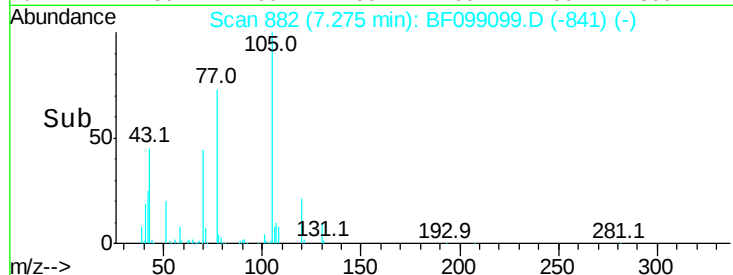
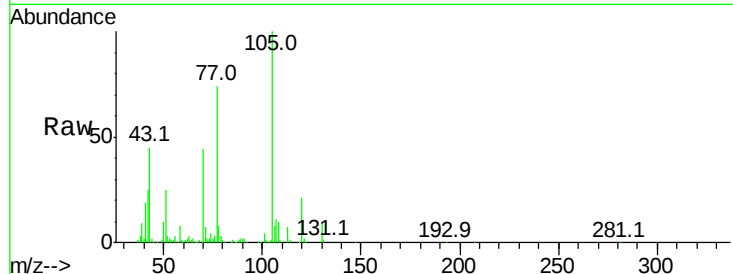


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

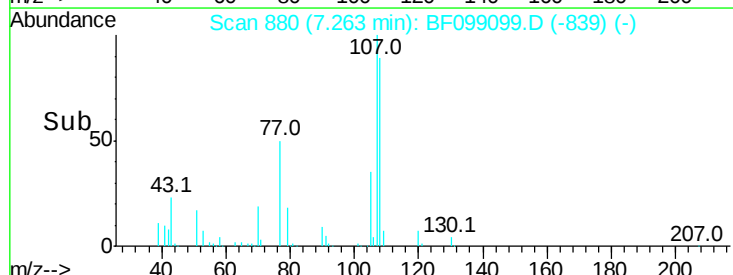
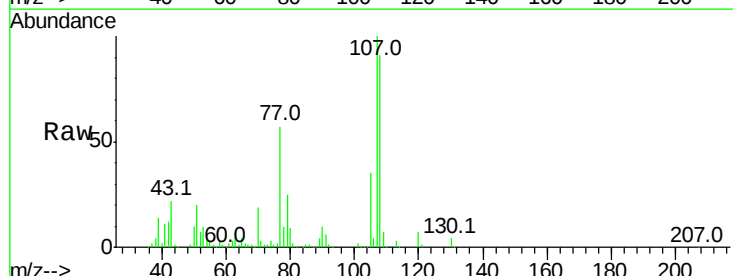
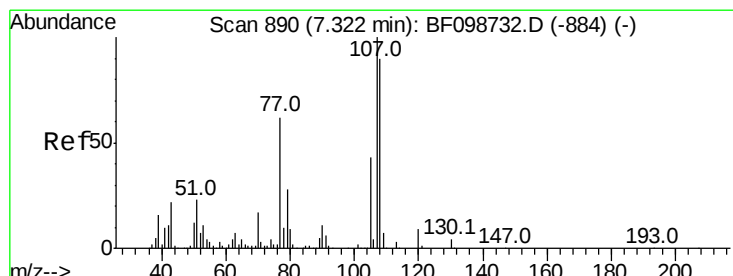
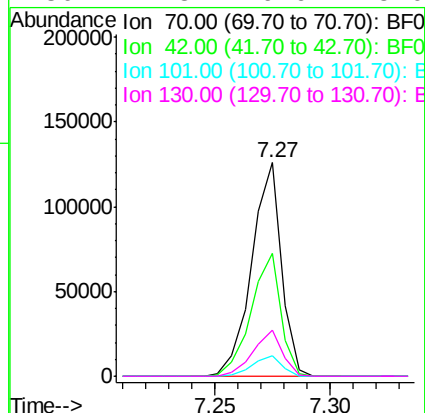




#19
n-Nitroso-di-n-propylamine
Concen: 20.103 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

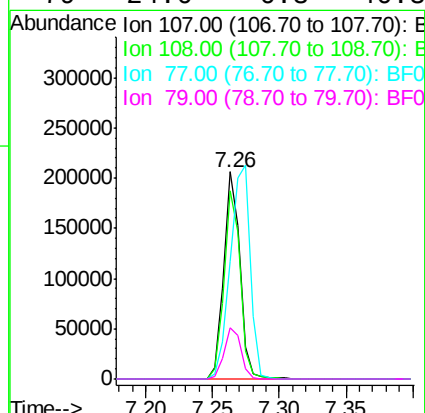
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2017

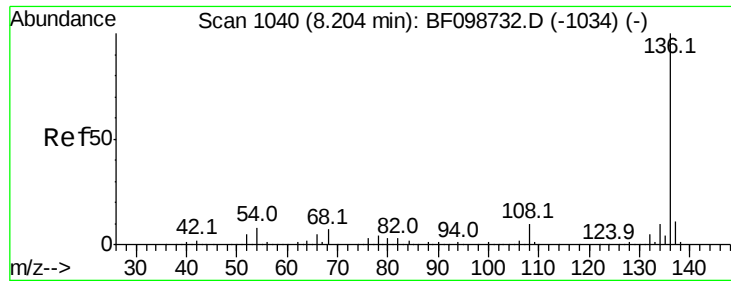
Tot Ion:	70	Resp:	113539
Ion	Ratio	Lower	Upper
70	100		
42	57.4	47.5	71.3
101	9.7	7.4	11.2
130	21.8	16.6	25.0



#20
3+4-Methylphenols
Concen: 21.295 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Tgt Ion:	107	Resp:	178999
Ion	Ratio	Lower	Upper
107	100		
108	90.8	68.2	108.2
77	57.1	26.7	66.7
79	24.6	6.3	46.3

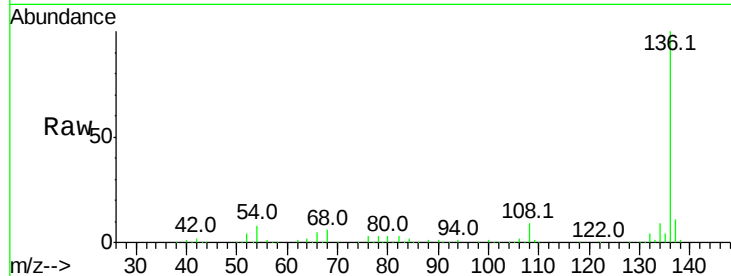




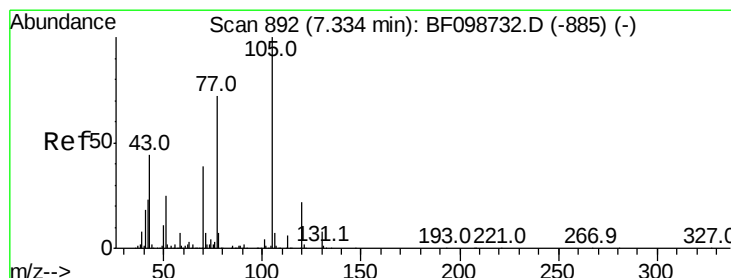
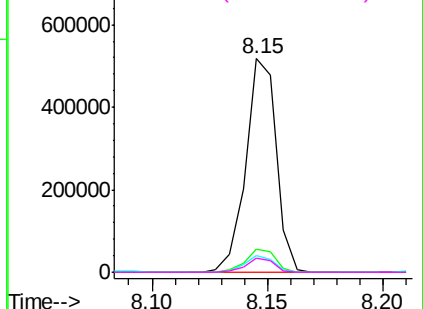
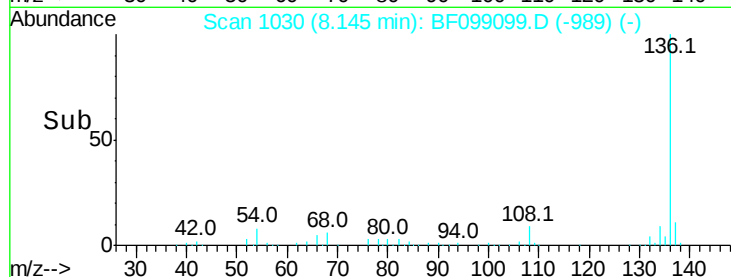
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2017

Tot Ion:	136	Resp:	478308
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.8	6.6	9.8
68	6.3	5.0	7.4

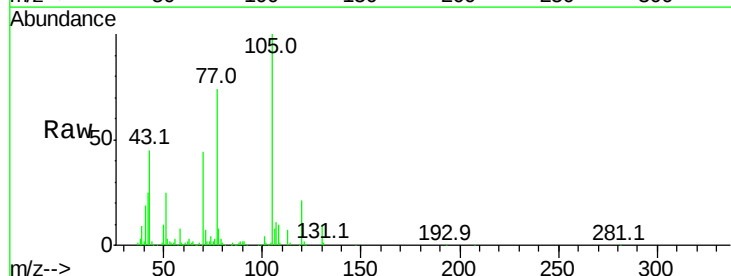


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

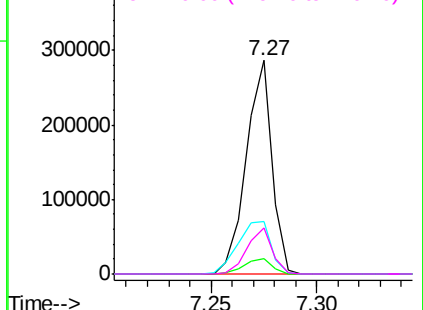
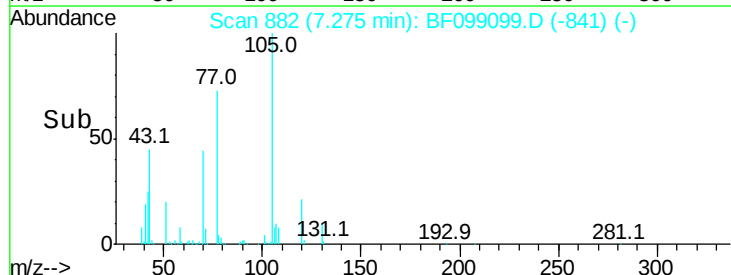


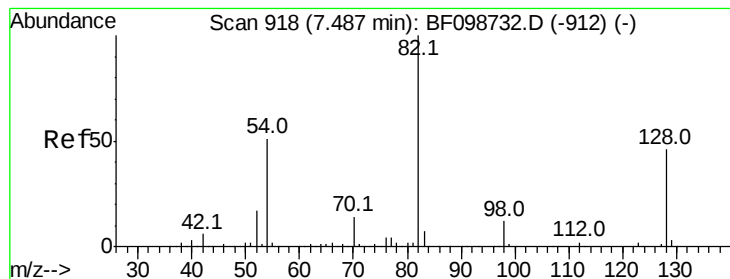
#22
Acetophenone
Concen: 20.913 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Tgt Ion:	105	Resp:	242354
Ion	Ratio	Lower	Upper
105	100		
71	7.5	4.4	6.6#
51	24.5	22.3	33.5
120	21.3	16.9	25.3



Abundance Ion 105.00 (104.70 to 105.70): E
400000
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: 92.556 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.05 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2017

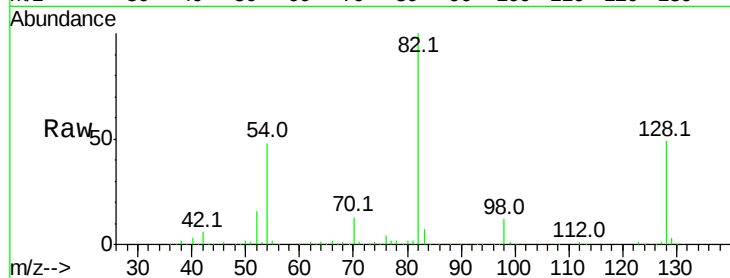
Tot Ion: 82 Resp: 690323

Ion Ratio Lower Upper

82 100

128 48.8 36.1 54.1

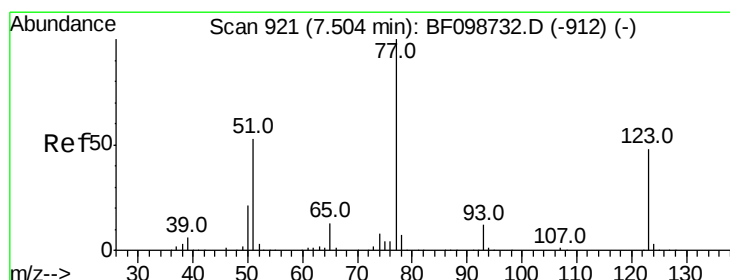
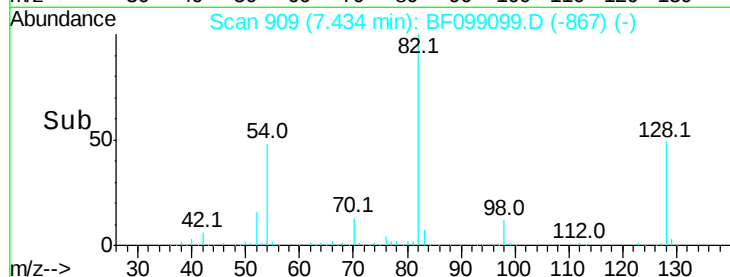
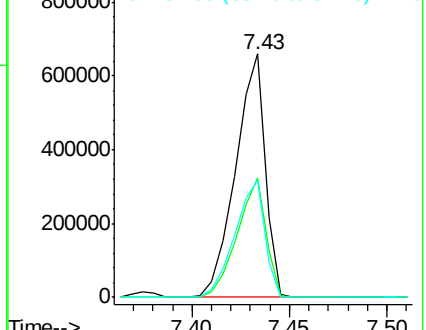
54 47.9 41.4 62.2



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: 20.678 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.05 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

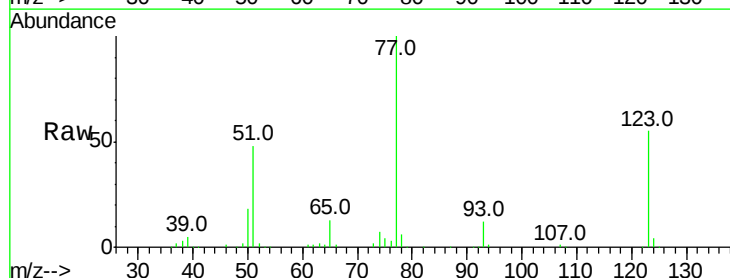
Tgt Ion: 77 Resp: 174951

Ion Ratio Lower Upper

77 100

123 54.5 37.9 56.9

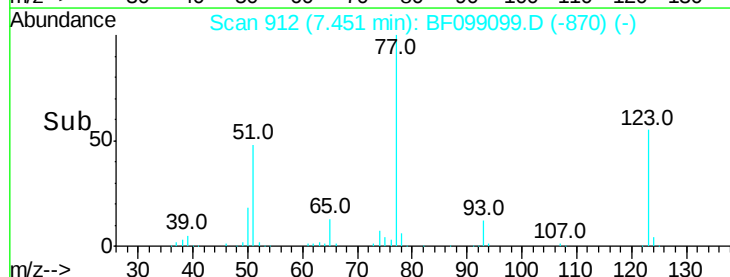
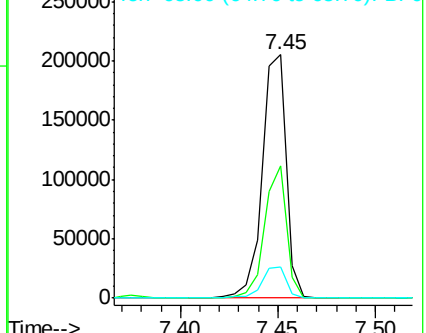
65 12.9 11.0 16.4

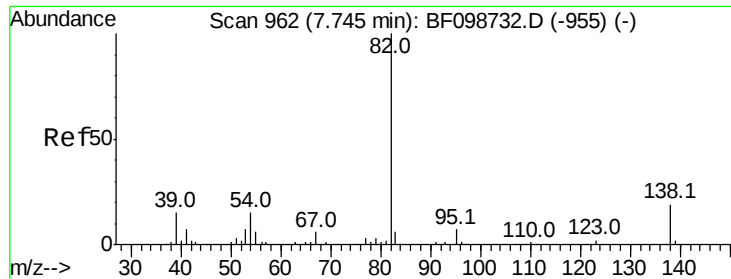


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 19.773 ng

RT: 7.68 min Scan# 951

Delta R.T. -0.06 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2017

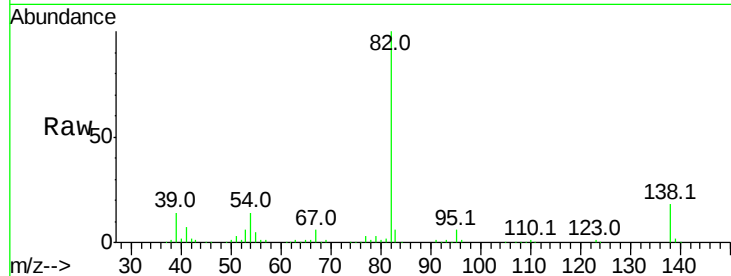
Tot Ion: 82 Resp: 304909

Ion Ratio Lower Upper

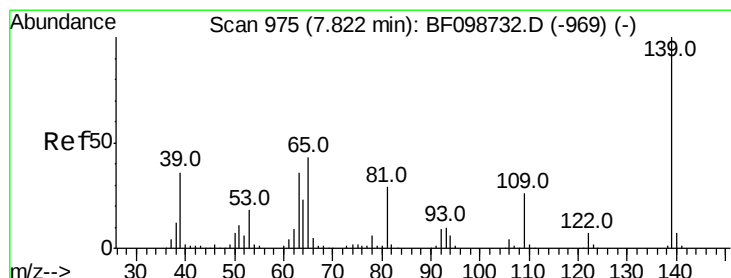
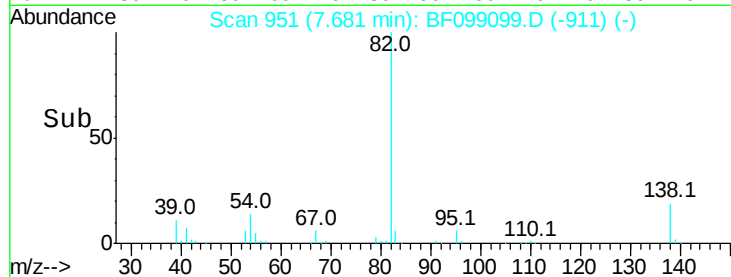
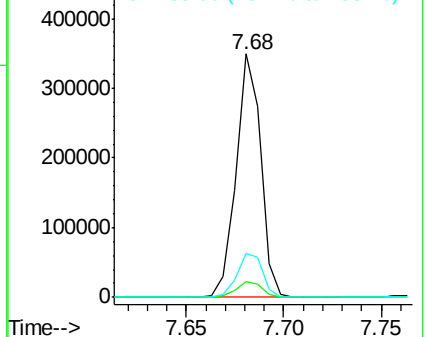
82 100

95 6.4 5.2 7.8

138 18.2 14.9 22.3



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: 22.506 ng

RT: 7.76 min Scan# 965

Delta R.T. -0.06 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

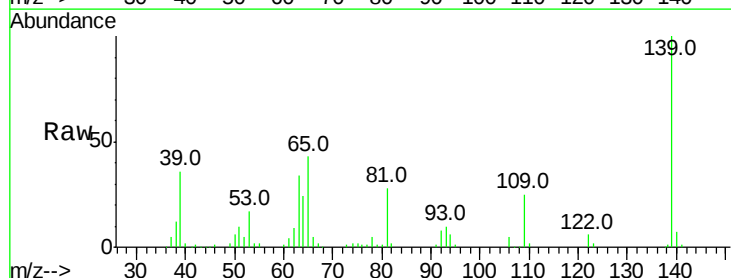
Tgt Ion:139 Resp: 91564

Ion Ratio Lower Upper

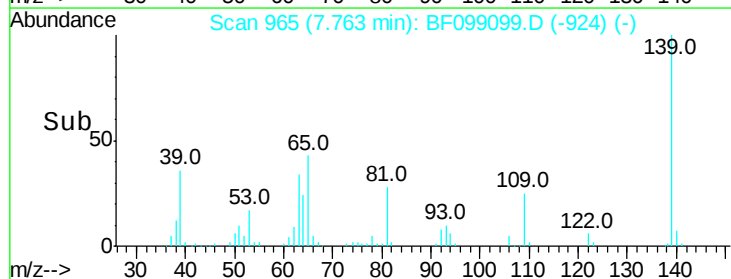
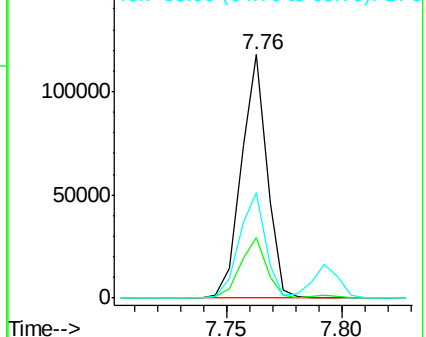
139 100

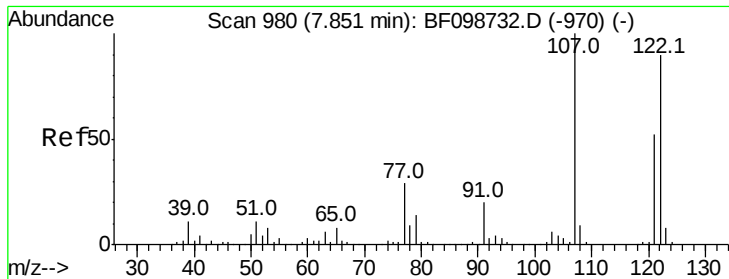
109 25.0 22.7 34.1

65 43.2 40.5 60.7



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

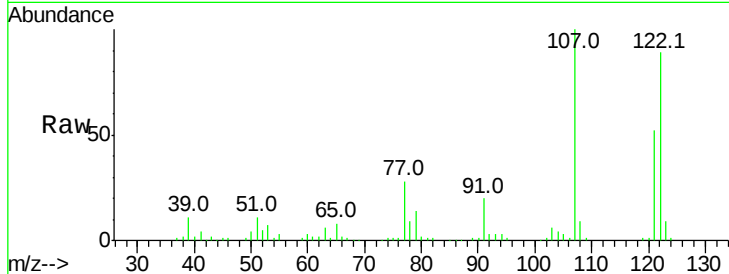




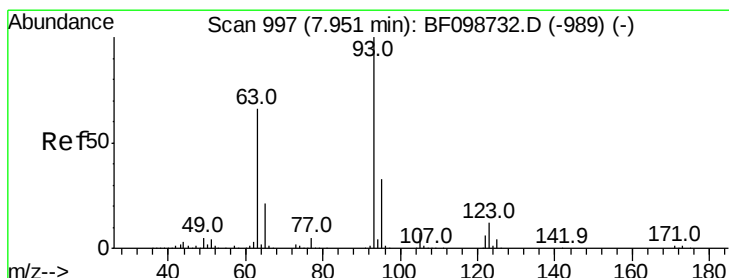
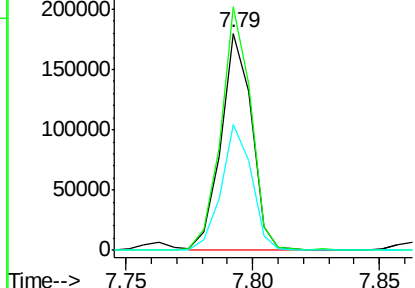
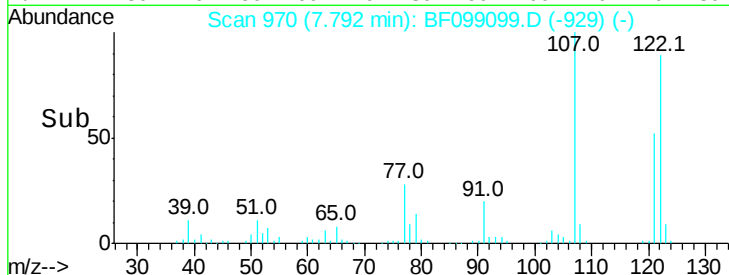
#27
 2,4-Dimethylphenol
 Concen: 19.621 ng
 RT: 7.79 min Scan# 970
 Delta R.T. -0.06 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2017

Tot Ion:122 Resp: 150755
 Ion Ratio Lower Upper
 122 100
 107 112.1 91.2 136.8
 121 58.1 47.2 70.8

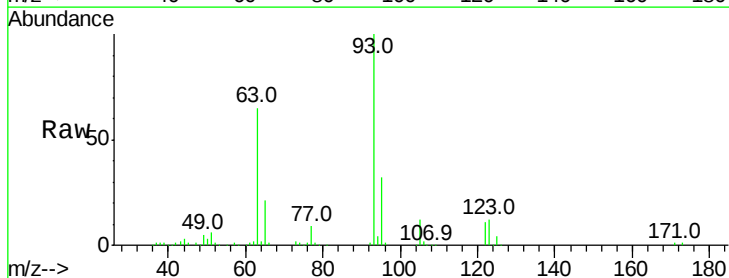


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

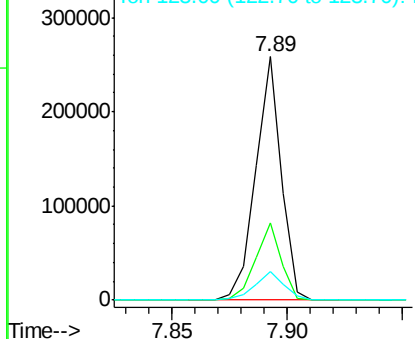
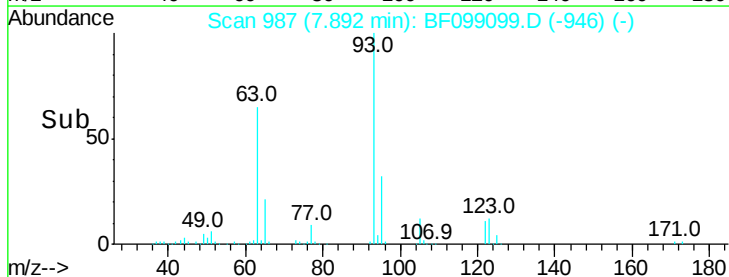


#28
 bis(2-Chloroethoxy)methane
 Concen: 20.752 ng
 RT: 7.89 min Scan# 987
 Delta R.T. -0.06 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

Tgt Ion: 93 Resp: 199425
 Ion Ratio Lower Upper
 93 100
 95 31.5 26.3 39.5
 123 11.5 9.8 14.6



Abundance Ion 93.00 (92.70 to 93.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 123.00 (122.70 to 123.70): E

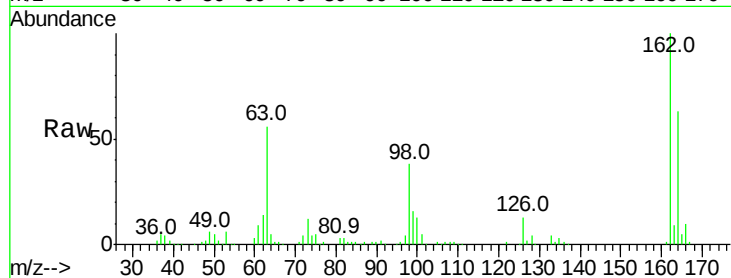




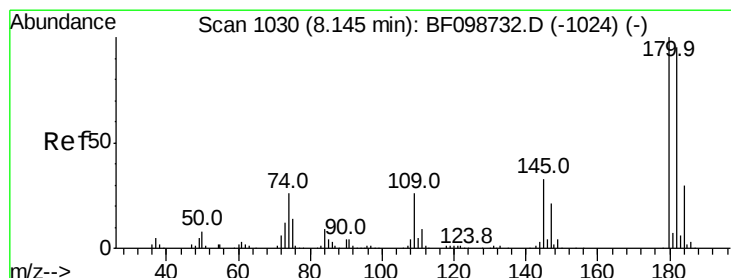
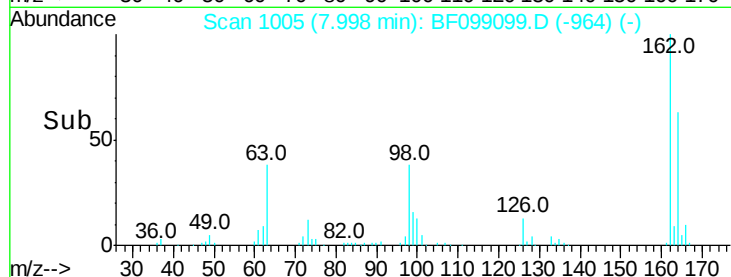
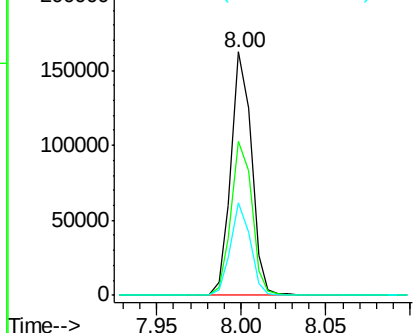
#29
 2,4-Dichlorophenol
 Concen: 20.924 ng
 RT: 8.00 min Scan# 1005
 Delta R.T. -0.06 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2017

Tot Ion:162 Resp: 138034
 Ion Ratio Lower Upper
 162 100
 164 63.3 42.7 82.7
 98 38.1 18.1 58.1

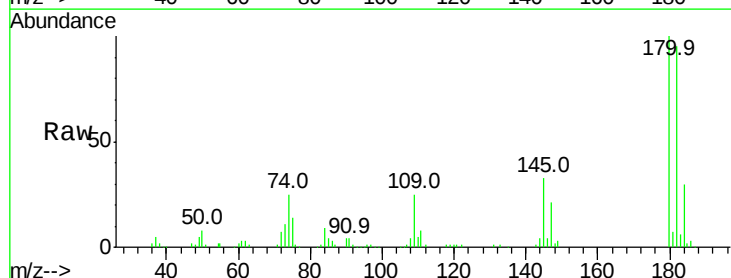


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BFO

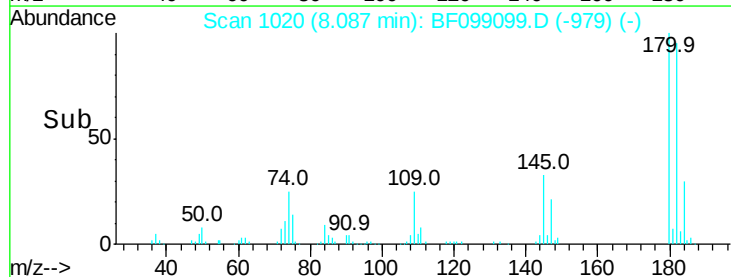
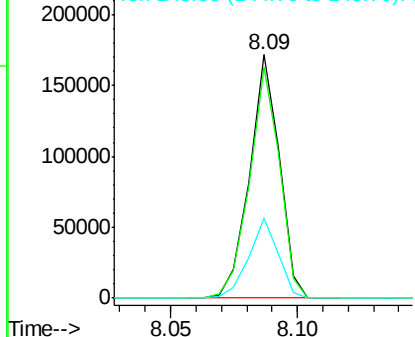


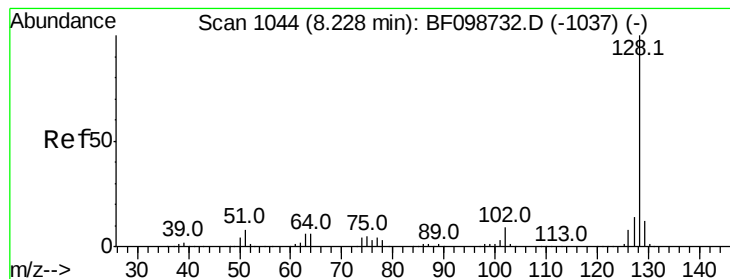
#30
 1,2,4-Trichlorobenzene
 Concen: 21.348 ng
 RT: 8.09 min Scan# 1020
 Delta R.T. -0.06 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

Tgt Ion:180 Resp: 140853
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.8 115.2
 145 32.9 26.5 39.7



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: 21.741 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2017

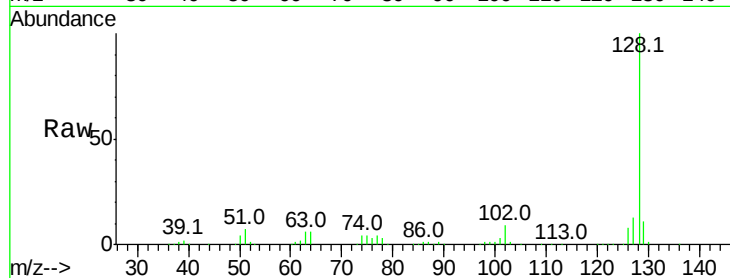
Tot Ion:128 Resp: 488408

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

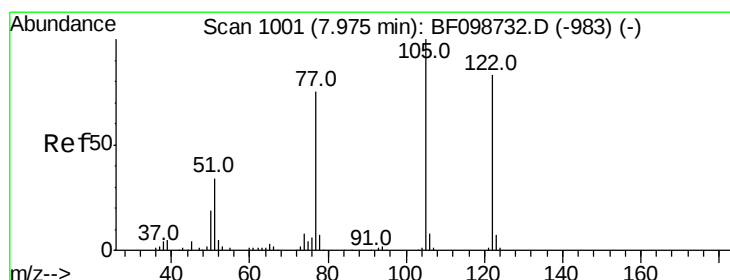
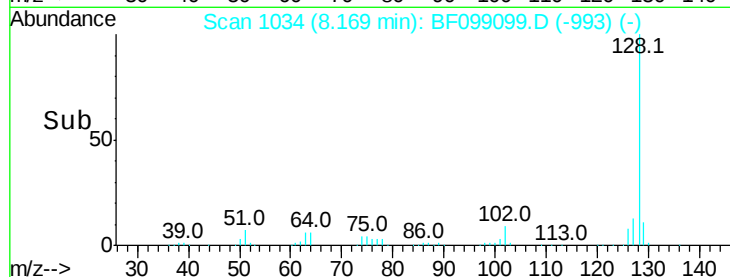
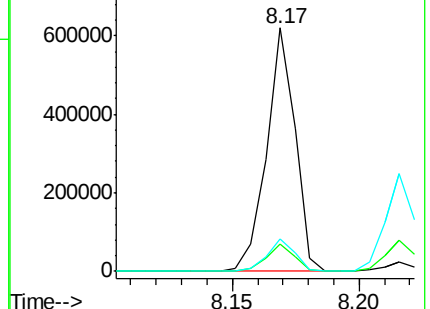
127 13.1 10.9 16.3



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: 11.878 ng

RT: 7.90 min Scan# 988

Delta R.T. -0.08 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

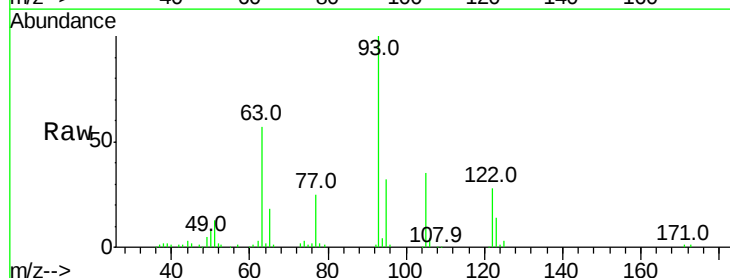
Tgt Ion:122 Resp: 74967

Ion Ratio Lower Upper

122 100

105 124.8 101.1 141.1

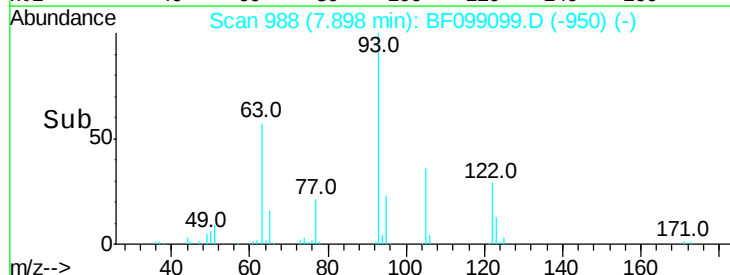
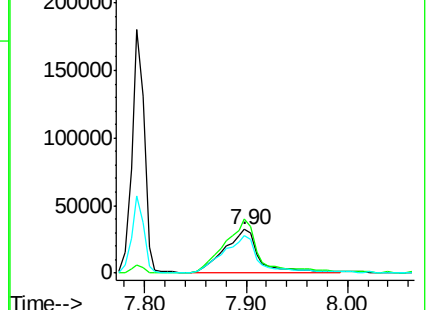
77 87.8 70.7 110.7



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

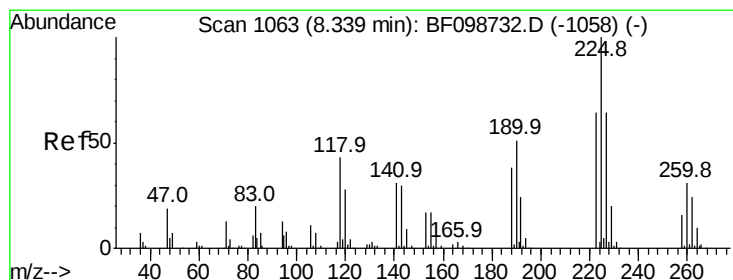
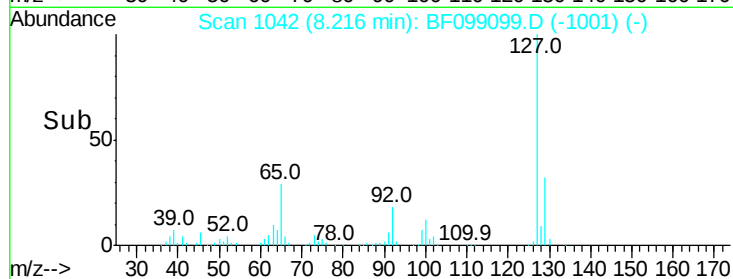
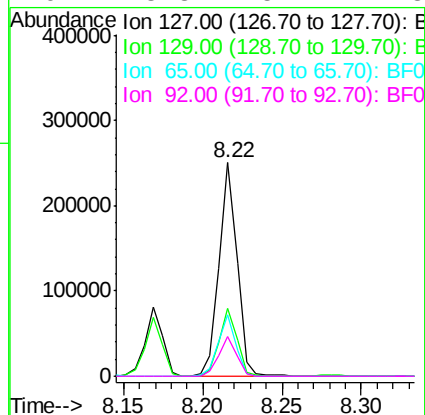
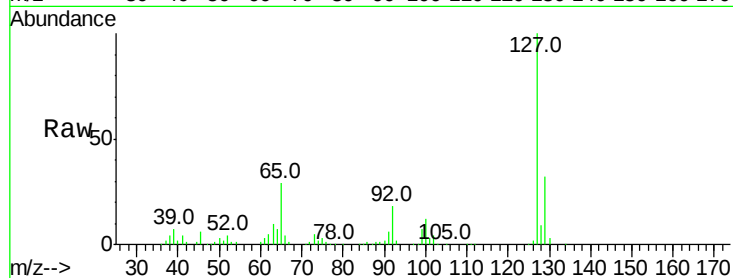




#33
4-Chloroaniline
Concen: 21.065 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

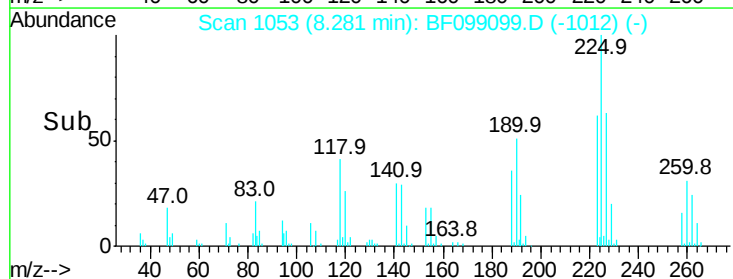
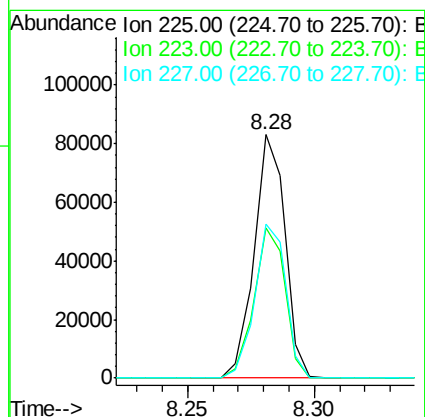
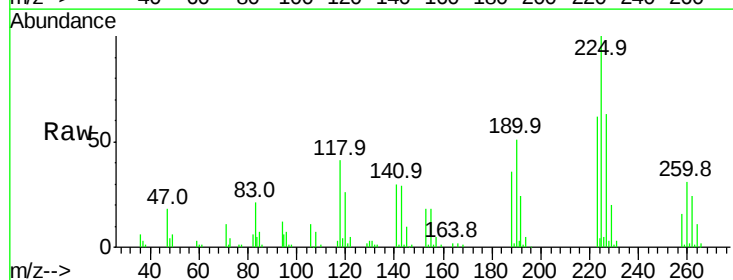
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2017

Tot Ion:	127	Resp:	197617
Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.9	38.9
65	29.0	25.0	37.4
92	18.3	15.2	22.8



#34
Hexachlorobutadiene
Concen: 20.816 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Tgt Ion:	225	Resp:	70740
Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.6	76.0
227	63.5	51.9	77.9

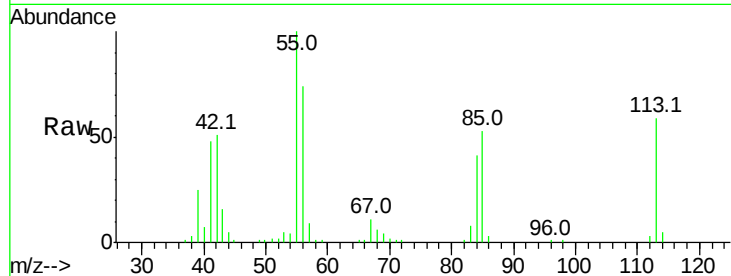




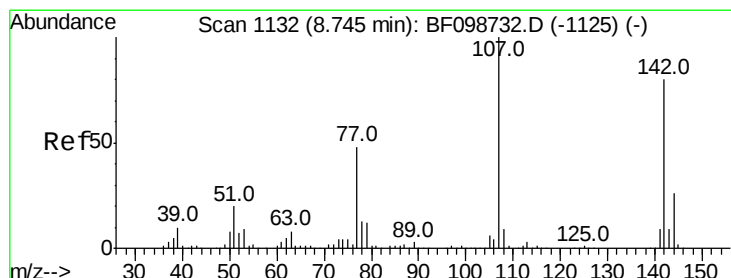
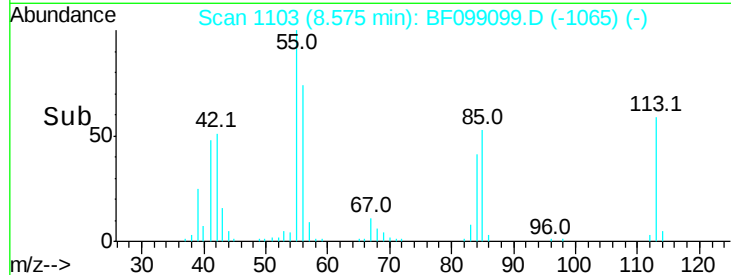
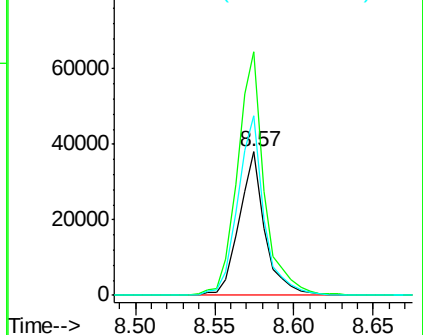
#35
Caprolactam
Concen: 20.210 ng
RT: 8.57 min Scan# 1103
Delta R.T. -0.08 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2017

Tot Ion:113 Resp: 42765
Ion Ratio Lower Upper
113 100
55 170.1 163.3 203.3
56 125.2 115.7 155.7

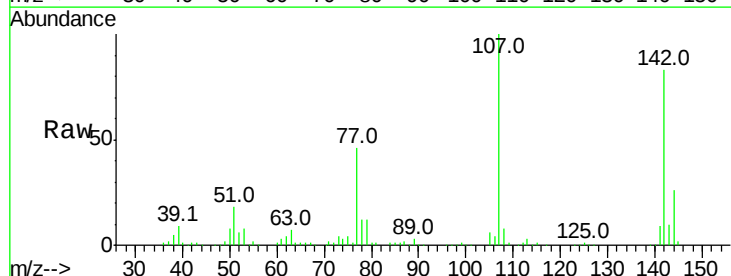


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

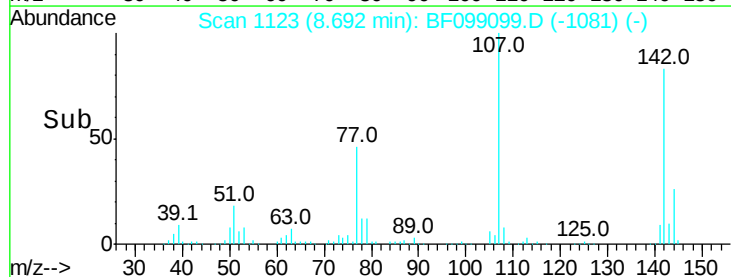
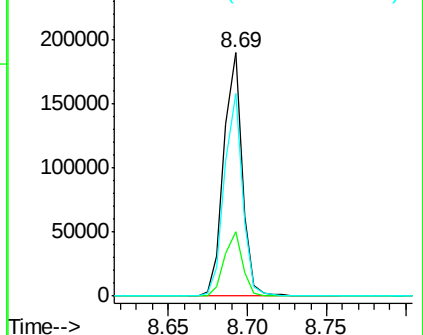


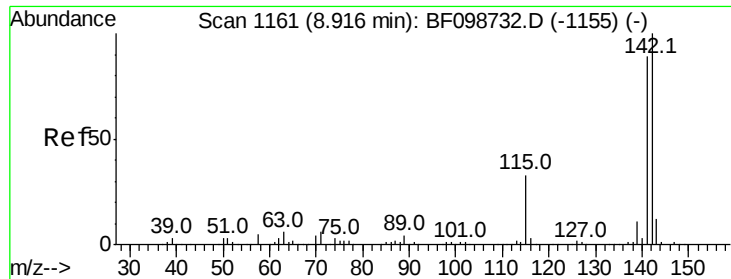
#36
4-Chloro-3-methylphenol
Concen: 20.714 ng
RT: 8.69 min Scan# 1123
Delta R.T. -0.05 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Tgt Ion:107 Resp: 153585
Ion Ratio Lower Upper
107 100
144 26.3 20.5 30.7
142 83.2 62.0 93.0



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

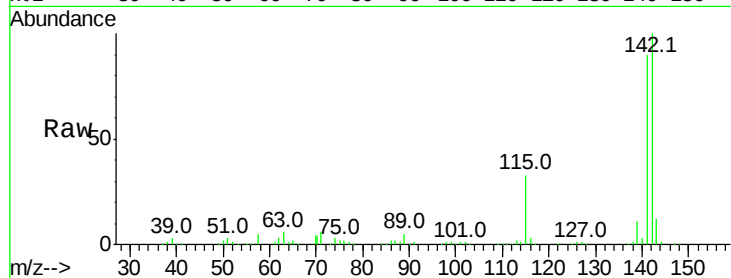




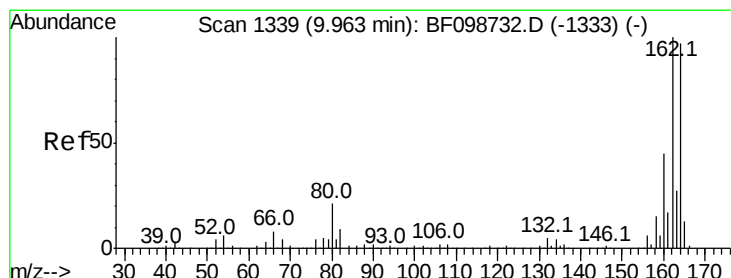
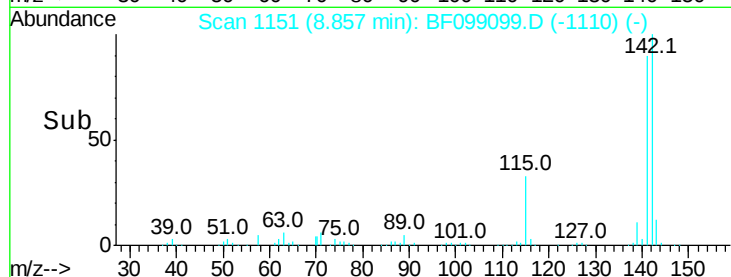
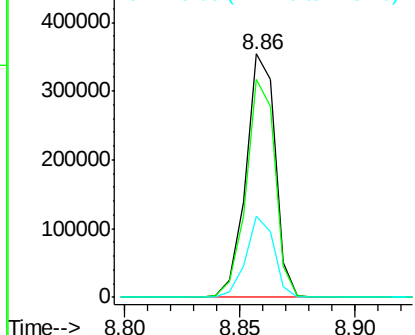
#37
2-Methylnaphthalene
Concen: 21.465 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2017

Tot Ion:142 Resp: 313461
Ion Ratio Lower Upper
142 100
141 89.5 70.8 106.2
115 33.0 26.1 39.1

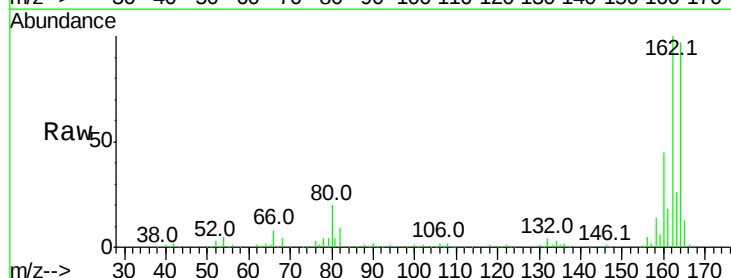


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

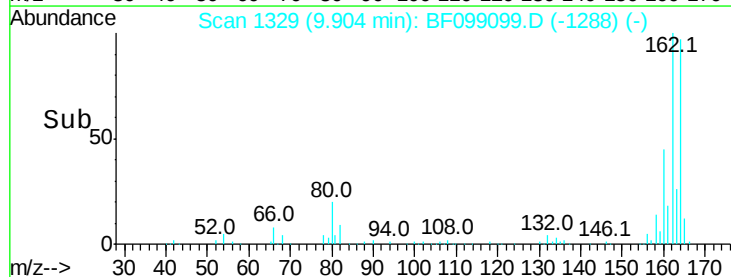
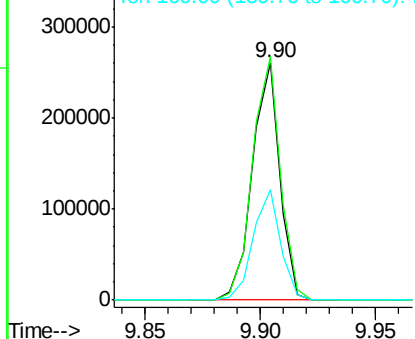


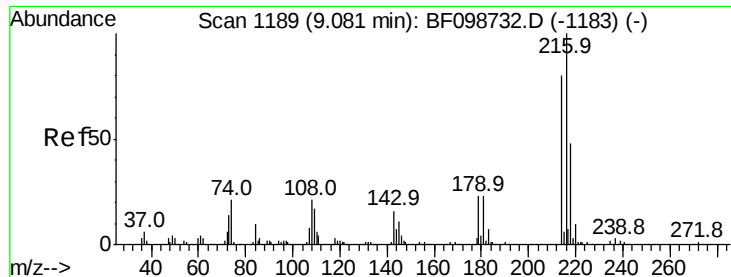
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Tgt Ion:164 Resp: 216876
Ion Ratio Lower Upper
164 100
162 102.6 86.1 129.1
160 46.5 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 22.083 ng

RT: 9.03 min Scan# 1180

Delta R.T. -0.05 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2017

Tot Ion:216 Resp: 142832

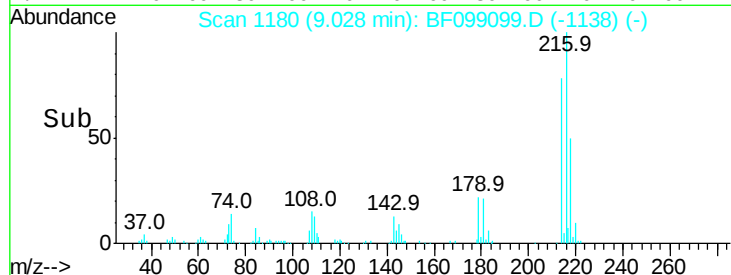
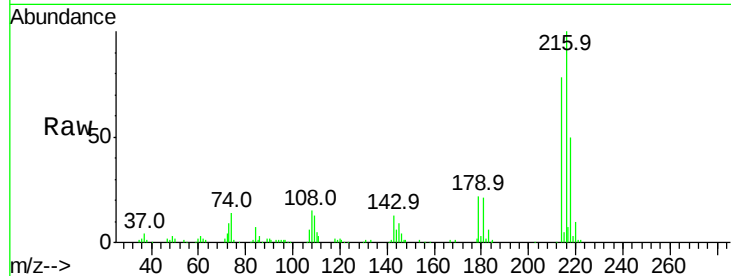
Ion Ratio Lower Upper

216 100

214 78.9 63.0 94.4

179 22.9 18.1 27.1

108 18.7 17.2 25.8

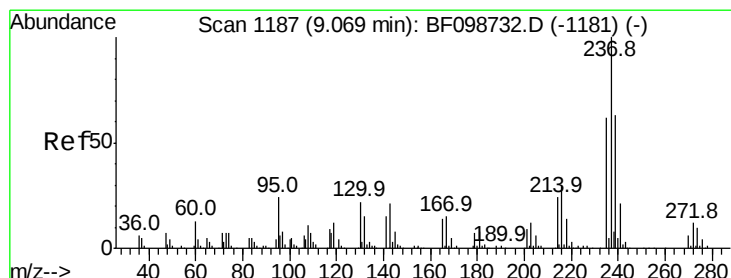
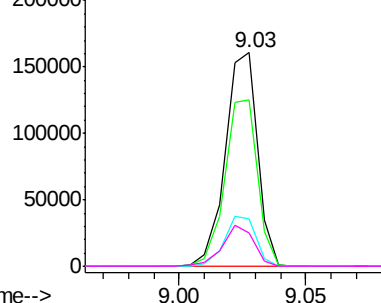


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 8.576 ng

RT: 9.01 min Scan# 1177

Delta R.T. -0.06 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

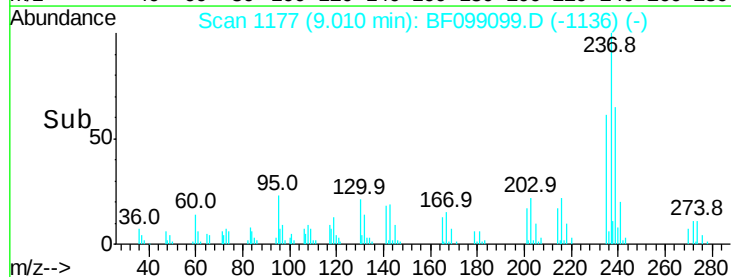
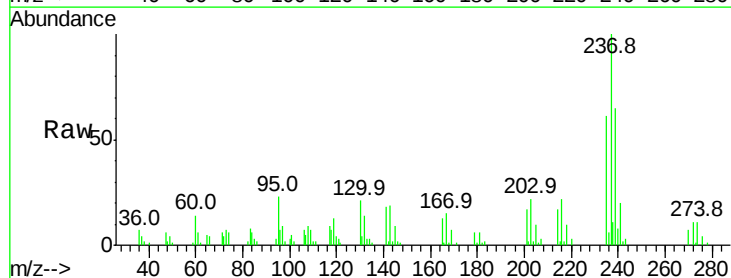
Tgt Ion:237 Resp: 25349

Ion Ratio Lower Upper

237 100

235 61.3 44.8 84.8

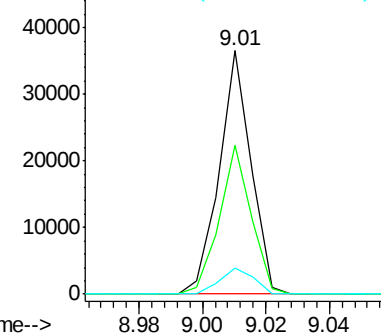
272 10.9 0.0 33.3

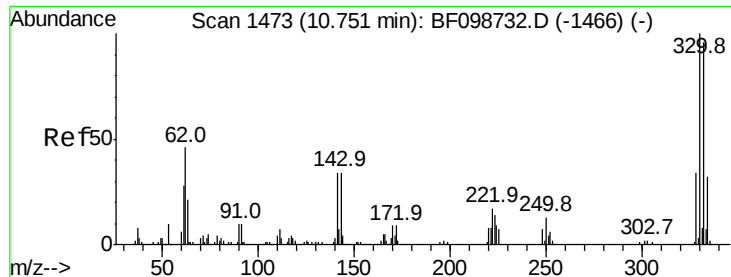


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 151.847 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.05 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2017

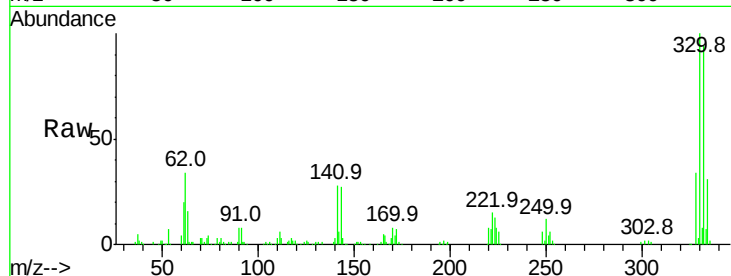
Tot Ion:330 Resp: 269473

Ion Ratio Lower Upper

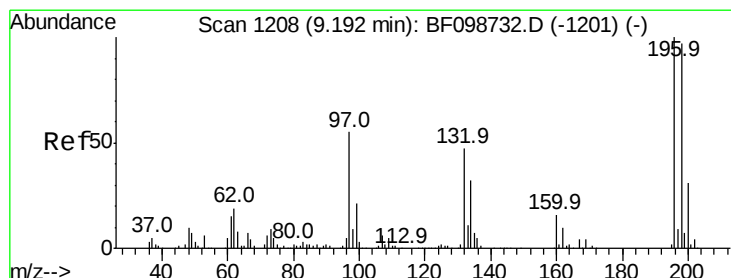
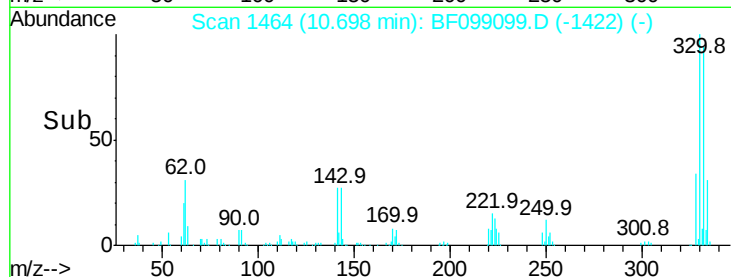
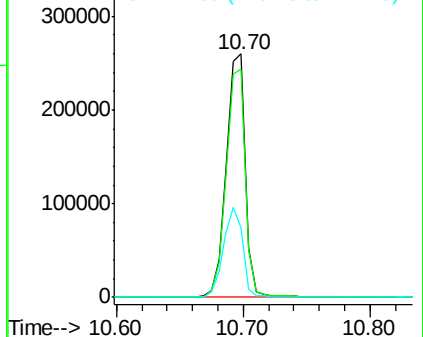
330 100

332 95.0 77.0 115.6

141 37.7 29.9 44.9



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: 20.181 ng

RT: 9.13 min Scan# 1198

Delta R.T. -0.06 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

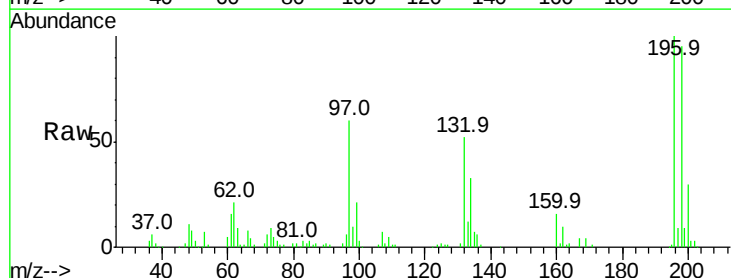
Tgt Ion:196 Resp: 92472

Ion Ratio Lower Upper

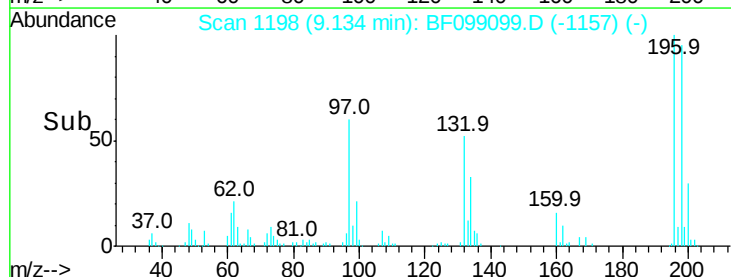
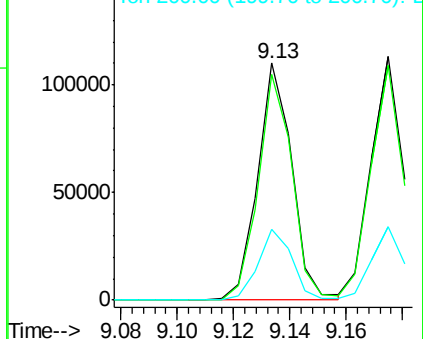
196 100

198 95.4 75.7 113.5

200 29.9 24.5 36.7



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

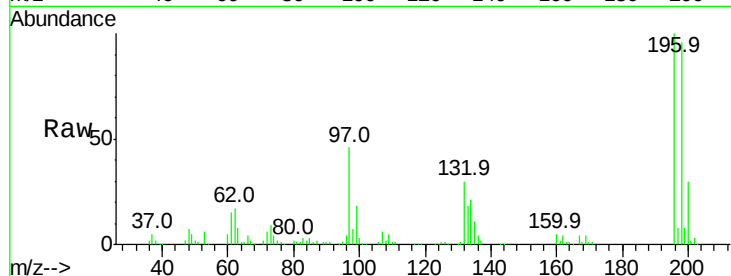




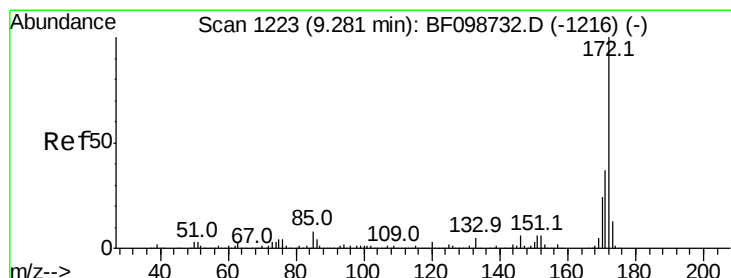
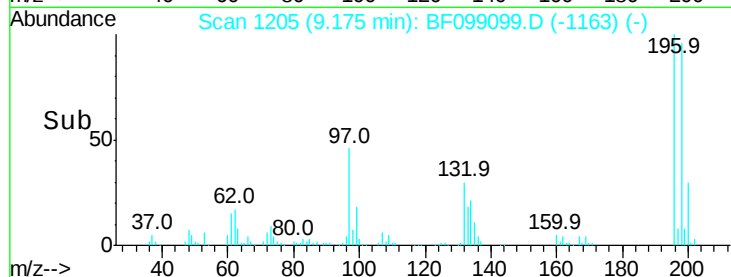
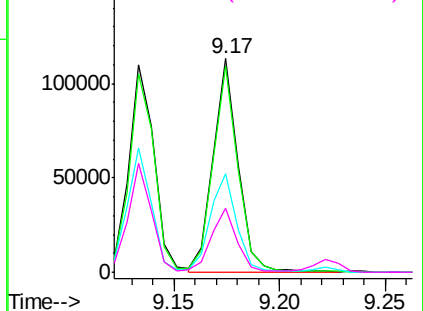
#43
 2,4,5-Trichlorophenol
 Concen: 20.314 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.05 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2017

Tot Ion:196 Resp: 92918
 Ion Ratio Lower Upper
 196 100
 198 96.2 74.6 112.0
 97 46.0 42.9 64.3
 132 30.2 26.3 39.5

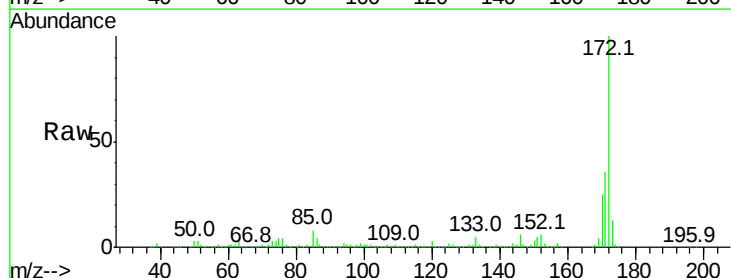


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

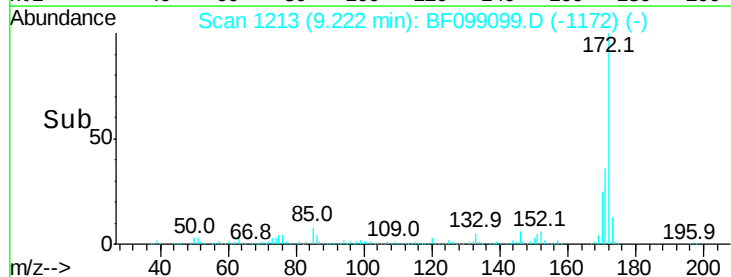
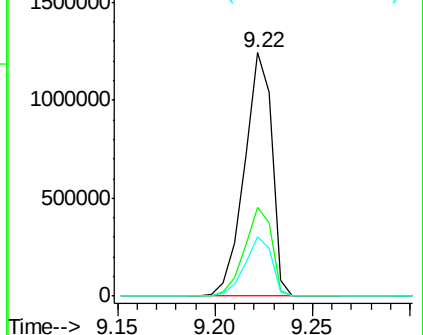


#44
 2-Fluorobiphenyl
 Concen: 93.367 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.06 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

Tgt Ion:172 Resp: 1212946
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 24.6 19.6 29.4



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

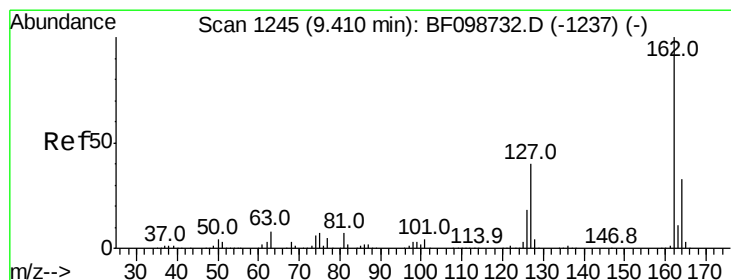
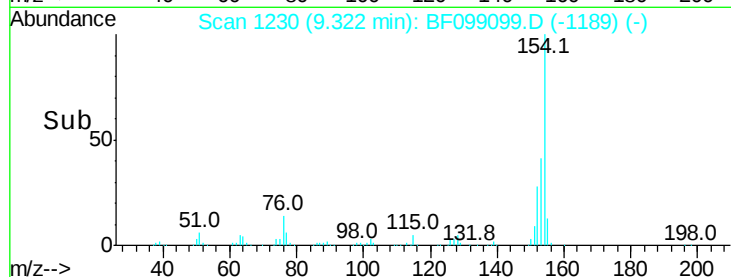
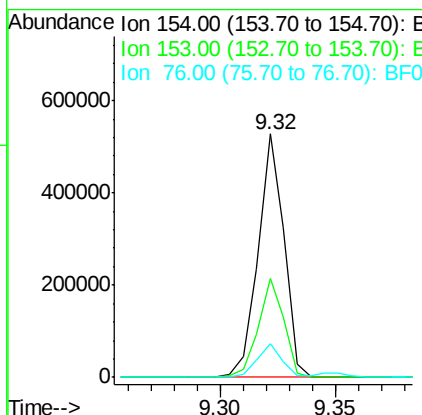
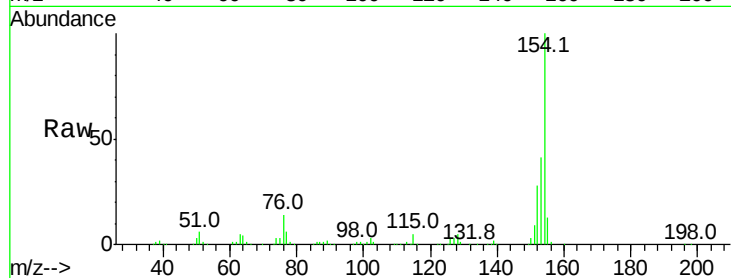




#45
 1,1'-Biphenyl
 Concen: 22.181 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.06 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

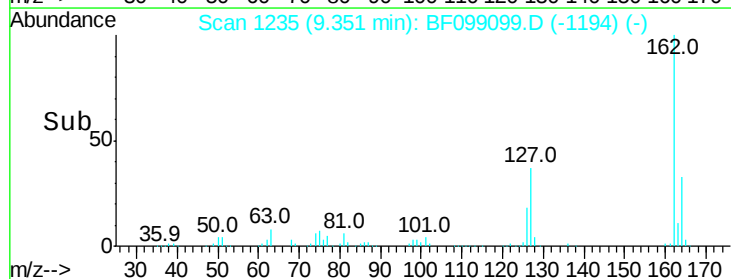
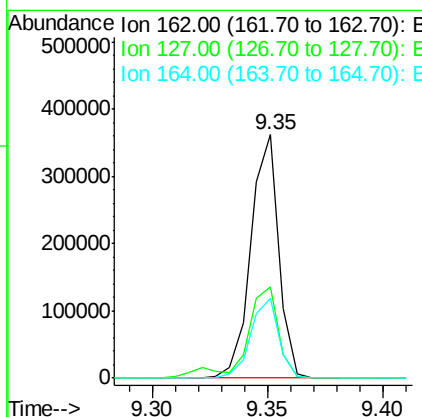
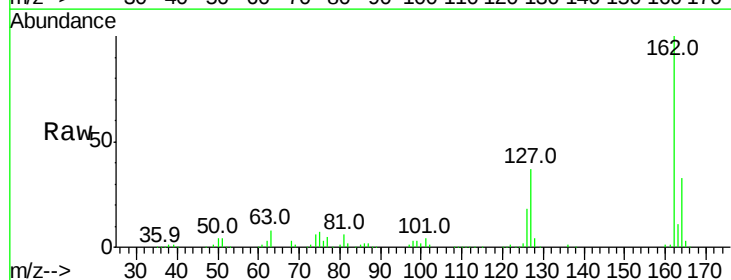
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2017

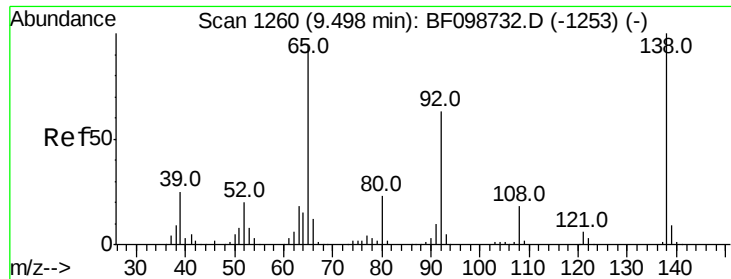
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.6	21.3	61.3
76	13.7	0.0	34.0



#46
 2-Chloronaphthalene
 Concen: 21.801 ng
 RT: 9.35 min Scan# 1235
 Delta R.T. -0.06 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

Tgt Ion	Ratio	Lower	Upper
162	100		
127	37.3	33.9	50.9
164	32.7	26.5	39.7

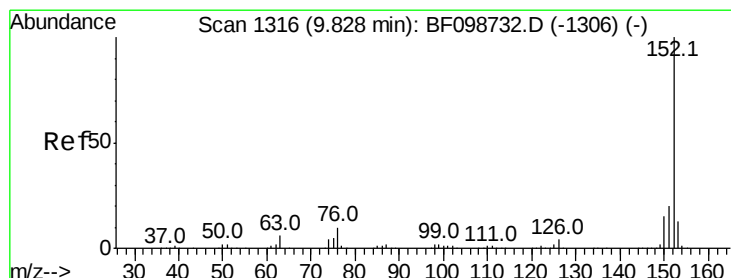
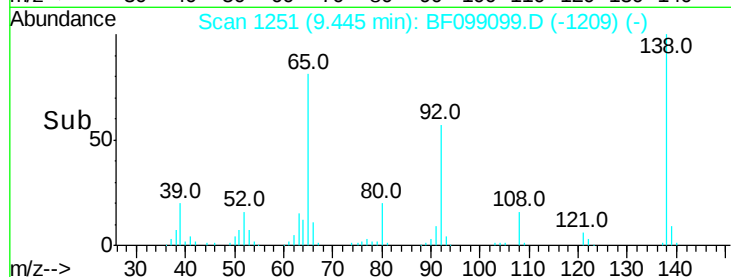
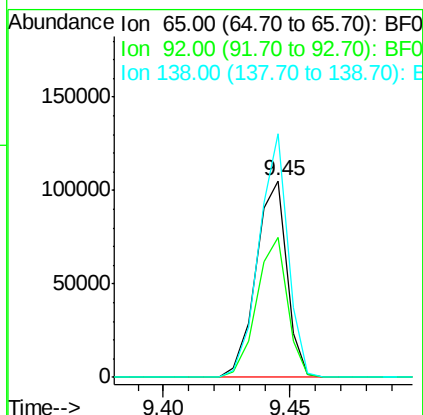
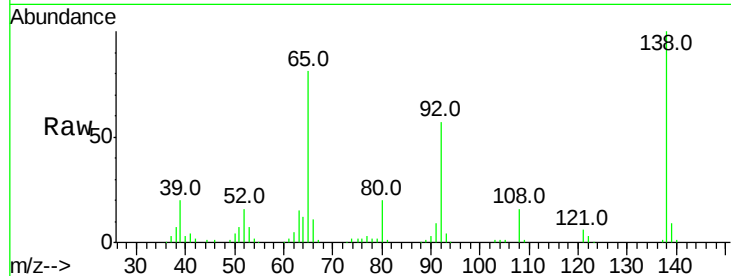




#47
2-Nitroaniline
Concen: 21.015 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.05 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

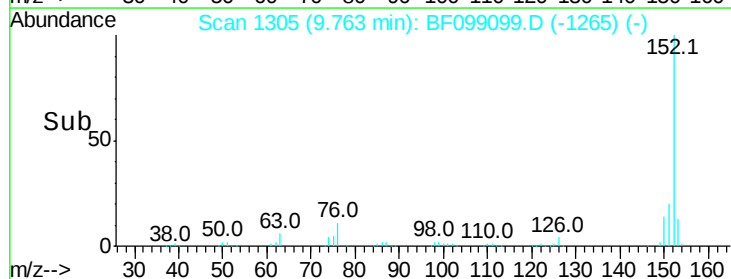
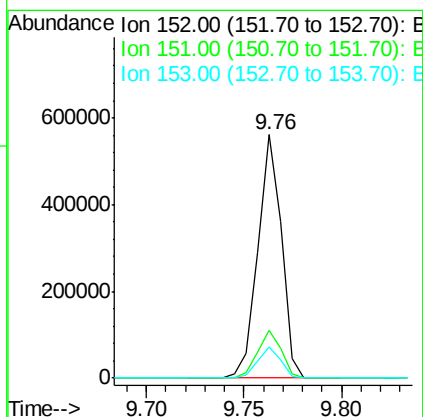
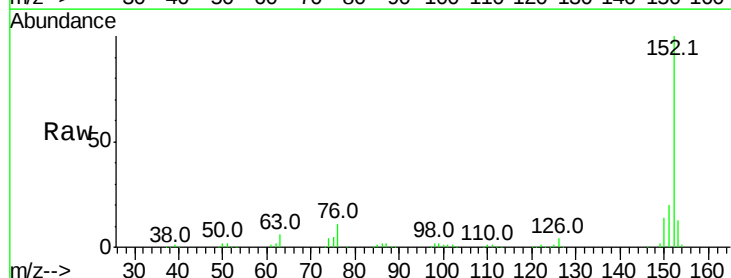
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2017

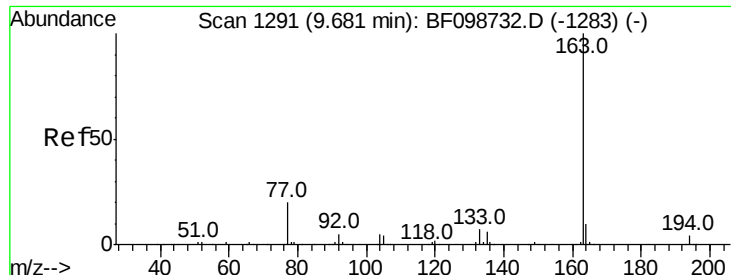
Tot Ion: 65 Resp: 90054
Ion Ratio Lower Upper
65 100
92 71.1 55.8 83.6
138 123.8 91.2 136.8



#48
Acenaphthylene
Concen: 21.844 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Tgt Ion:152 Resp: 467967
Ion Ratio Lower Upper
152 100
151 19.8 16.3 24.5
153 12.9 10.7 16.1

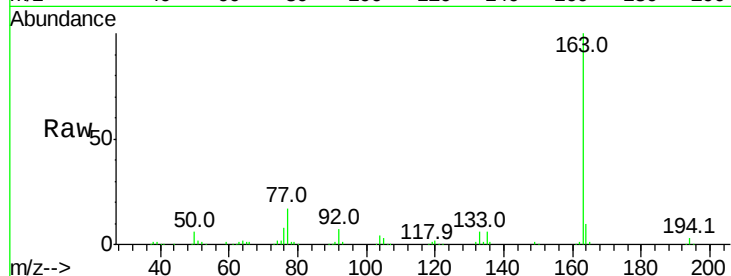




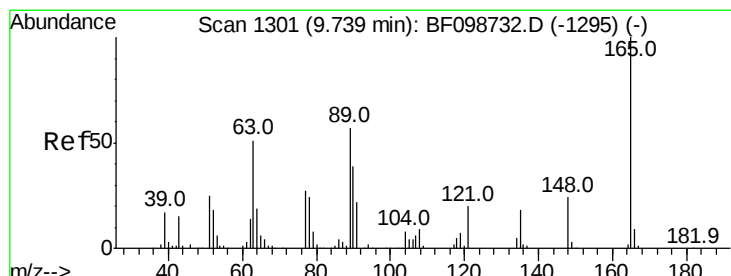
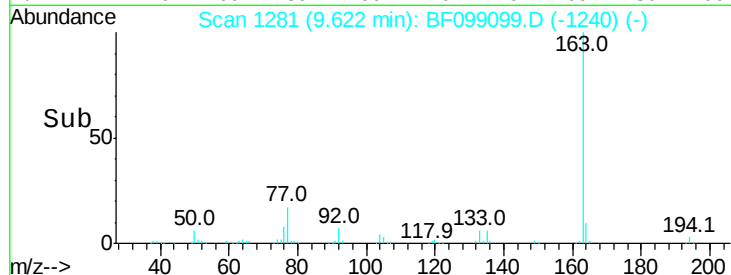
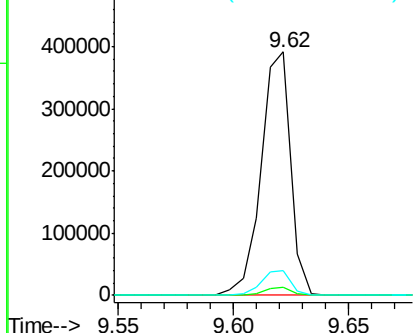
#49
Dimethylphthalate
Concen: 21.313 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2017

Tot Ion:163 Resp: 348871
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.1 8.2 12.2

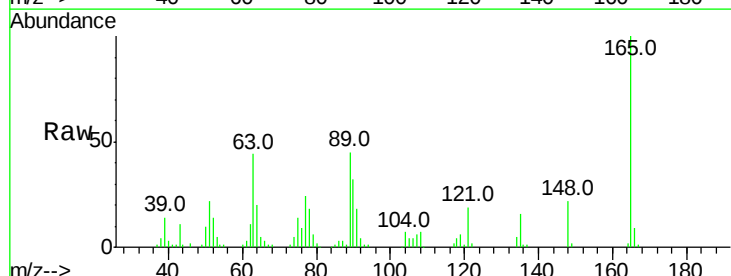


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

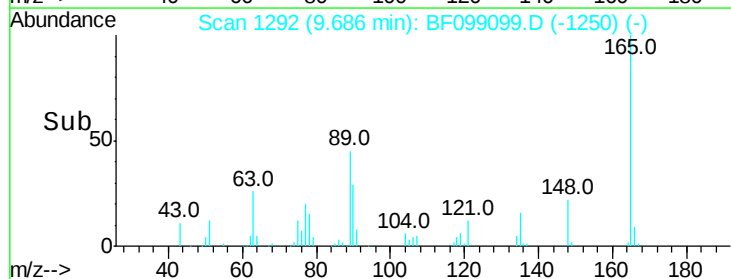
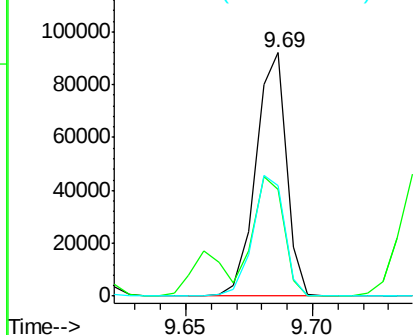


#50
2,6-Dinitrotoluene
Concen: 21.815 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.05 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Tgt Ion:165 Resp: 77740
Ion Ratio Lower Upper
165 100
63 43.9 44.7 67.1#
89 45.3 44.0 66.0



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

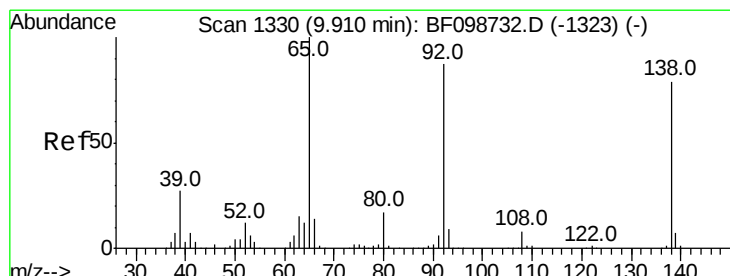
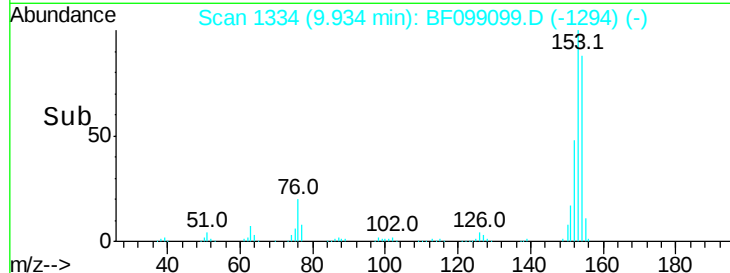
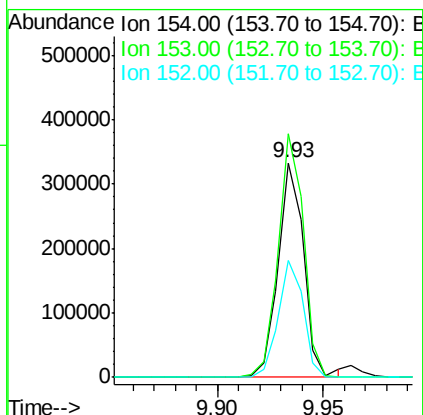
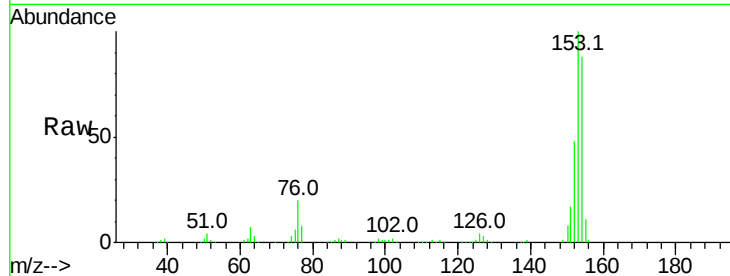




#51
Acenaphthene
Concen: 20.777 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

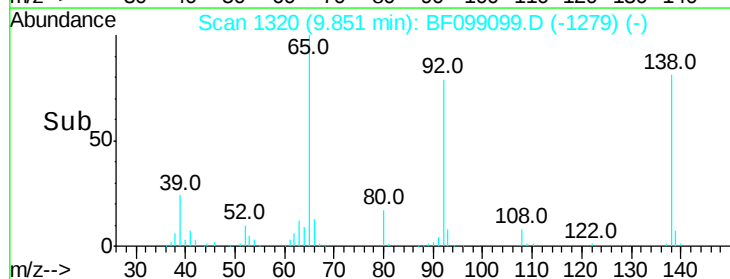
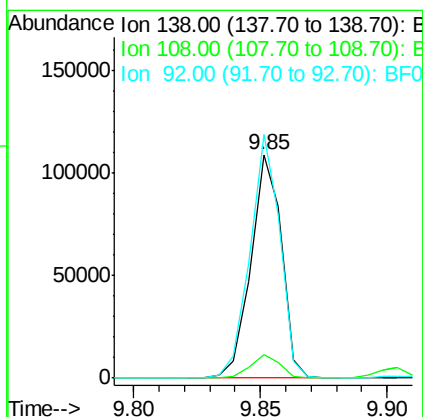
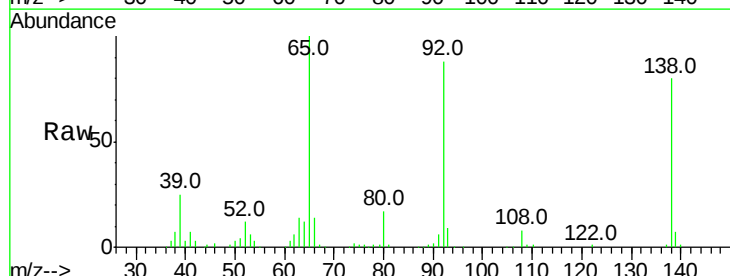
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2017

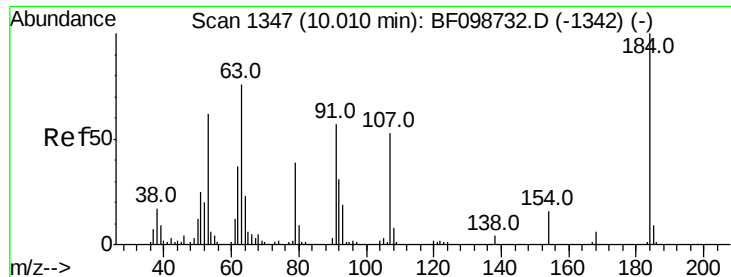
Tot Ion:154 Resp: 281961
Ion Ratio Lower Upper
154 100
153 113.3 91.2 136.8
152 54.5 43.8 65.8



#52
3-Nitroaniline
Concen: 21.953 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Tgt Ion:138 Resp: 91219
Ion Ratio Lower Upper
138 100
108 10.4 9.4 14.0
92 109.0 89.4 134.2

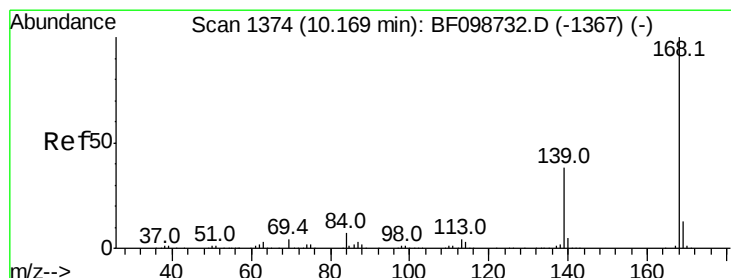
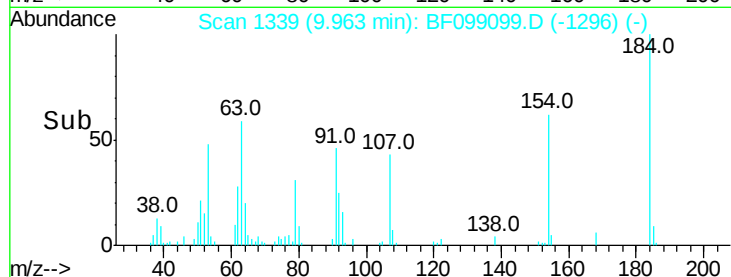
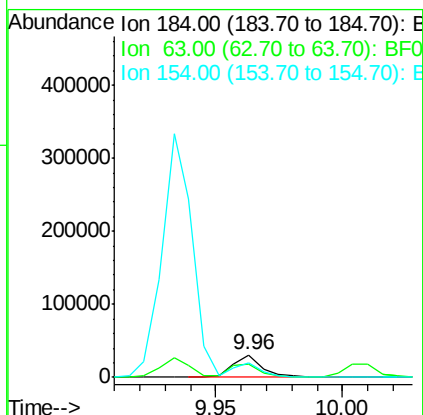
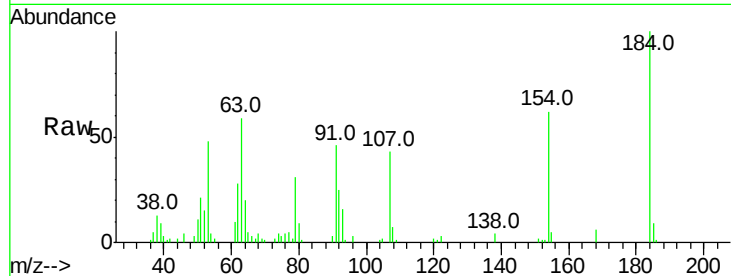




#53
2,4-Dinitrophenol
Concen: 18.469 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.05 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

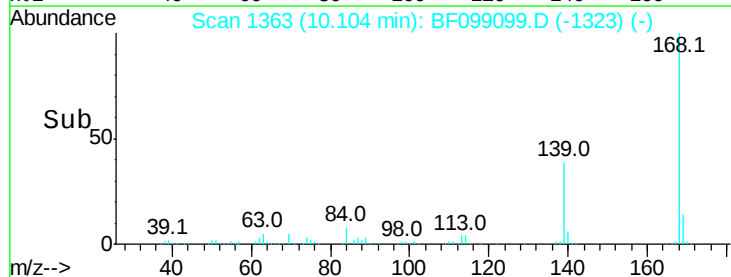
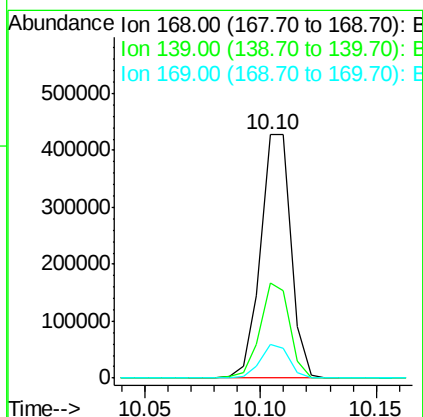
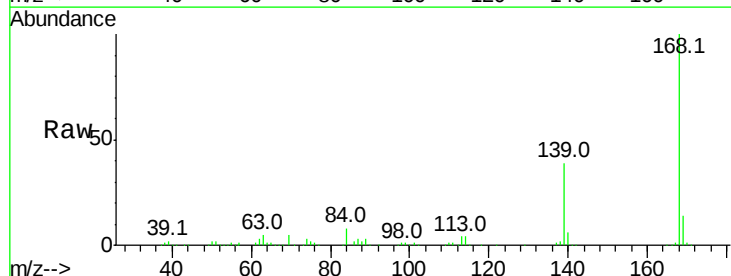
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2017

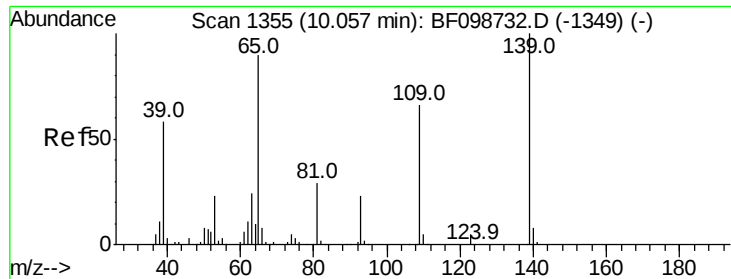
Tot Ion:184 Resp: 25295
Ion Ratio Lower Upper
184 100
63 59.3 54.2 81.2
154 62.2 53.5 80.3



#54
Dibenzofuran
Concen: 21.876 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Tgt Ion:168 Resp: 395283
Ion Ratio Lower Upper
168 100
139 39.0 30.1 45.1
169 13.6 10.9 16.3

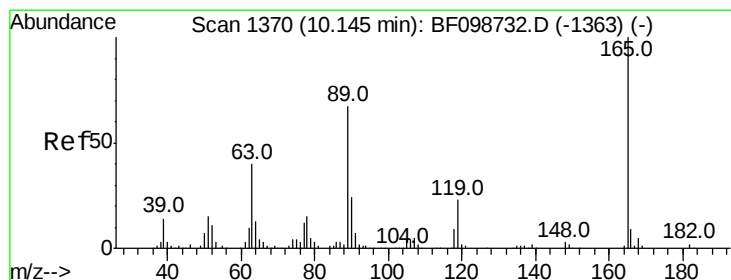
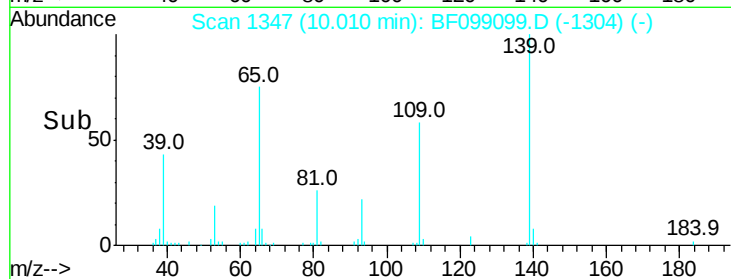
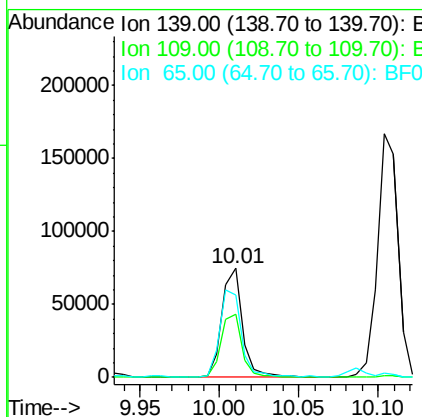
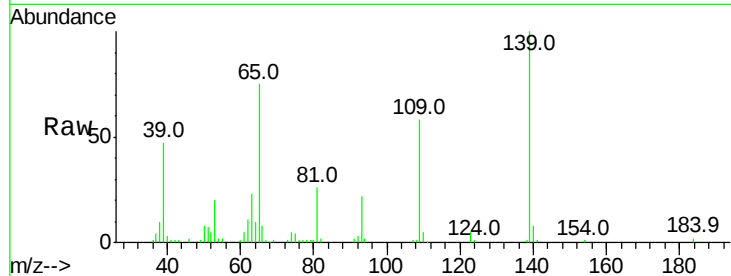




#55
4-Nitrophenol
Concen: 19.324 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.05 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

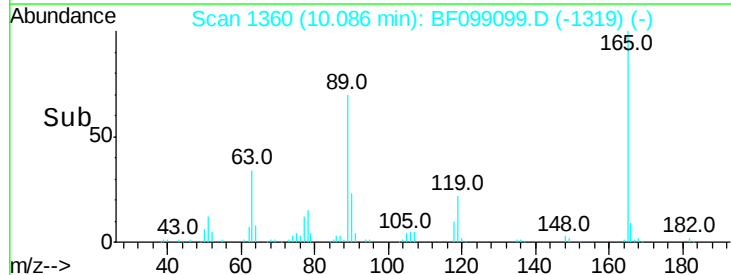
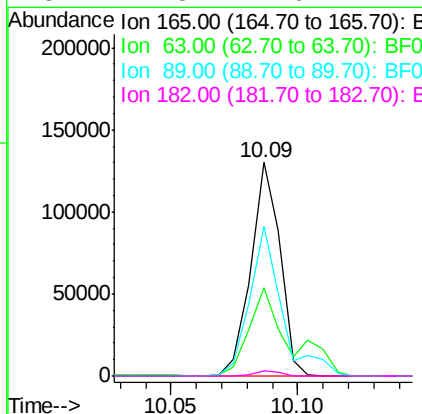
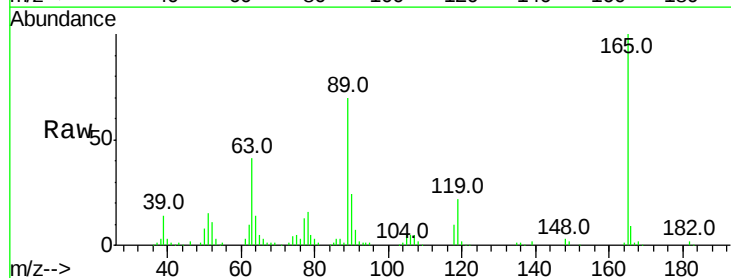
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2017

Tot Ion:139 Resp: 67895
Ion Ratio Lower Upper
139 100
109 58.3 48.4 88.4
65 75.3 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 22.565 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Tgt Ion:165 Resp: 104361
Ion Ratio Lower Upper
165 100
63 41.4 36.4 54.6
89 70.2 57.8 86.6
182 2.3 1.6 2.4

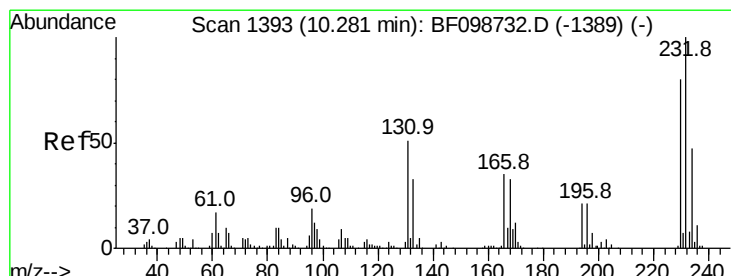
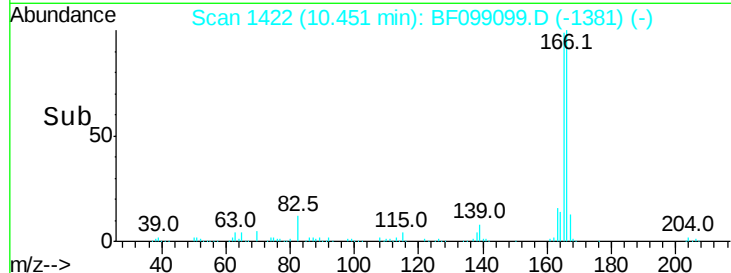
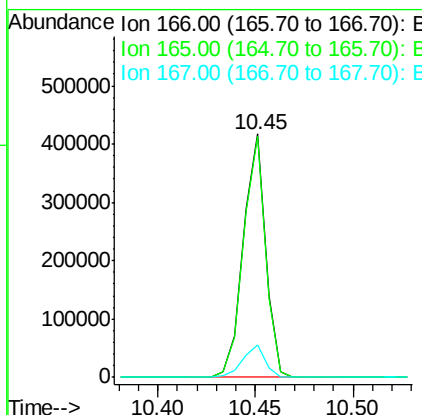
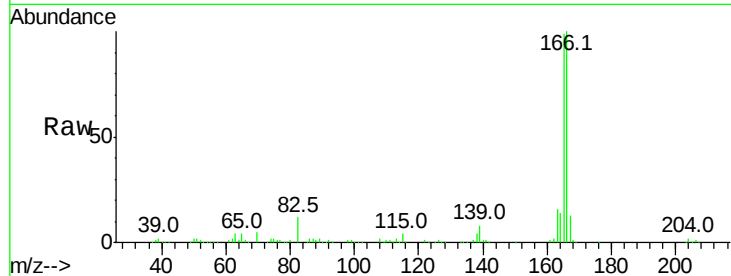




#57
Fluorene
 Concen: 22.704 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.06 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

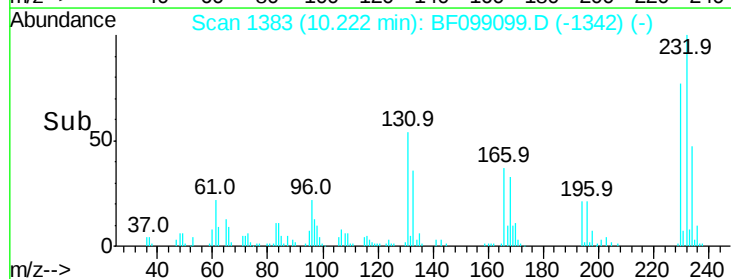
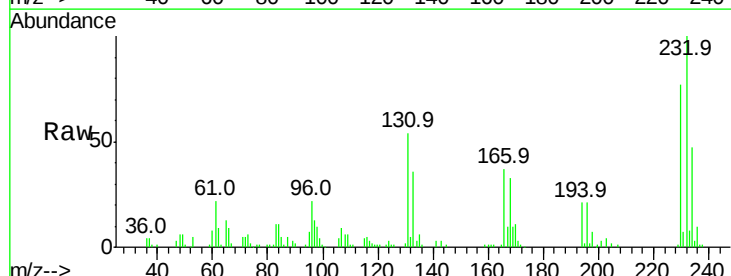
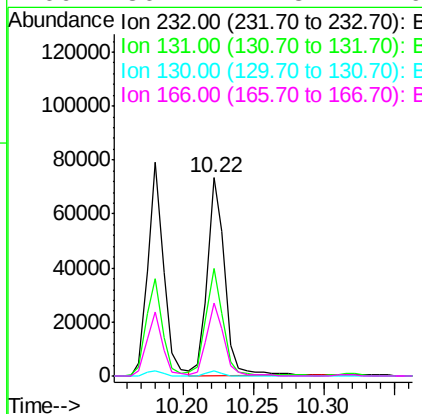
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2017

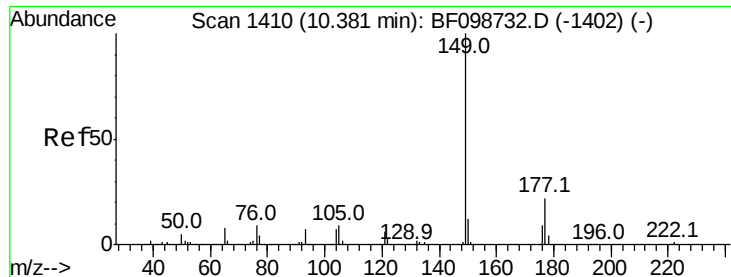
Tot Ion	Ratio	Lower	Upper
166	100		
165	99.0	79.8	119.8
167	13.3	10.6	16.0



#58
2,3,4,6-Tetrachlorophenol
 Concen: 19.998 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. -0.06 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

Tgt Ion	Ratio	Lower	Upper
232	100		
131	55.7	43.8	65.8
130	2.3	2.1	3.1
166	36.4	27.8	41.6

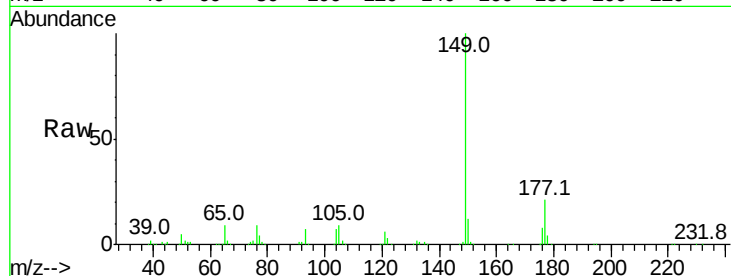




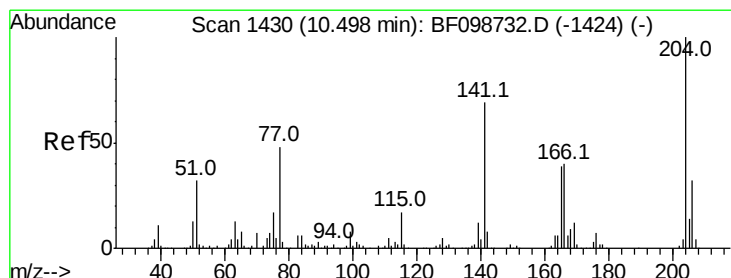
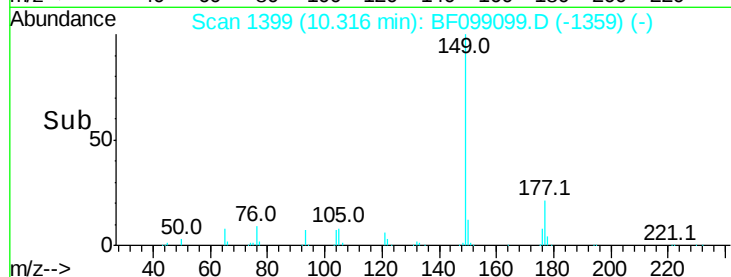
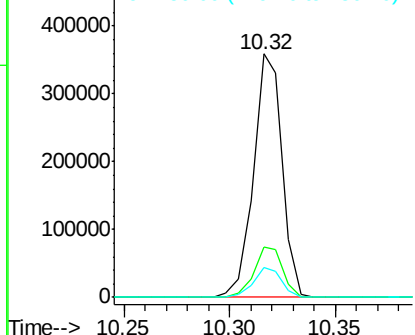
#59
Diethylphthalate
Concen: 21.152 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2017

Tot Ion:149 Resp: 338319
Ion Ratio Lower Upper
149 100
177 20.6 16.1 24.1
150 12.1 10.1 15.1

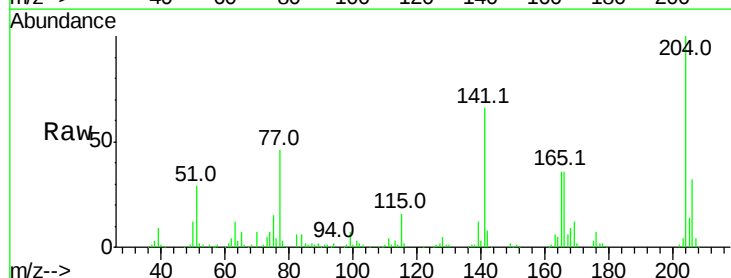


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

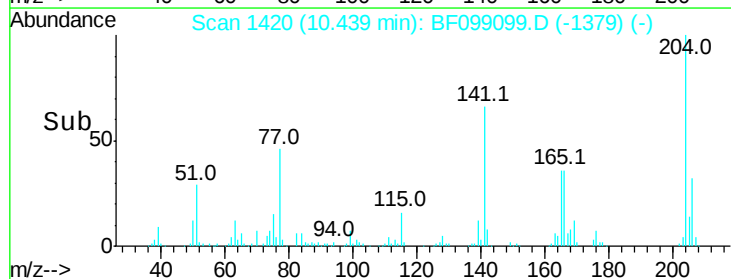
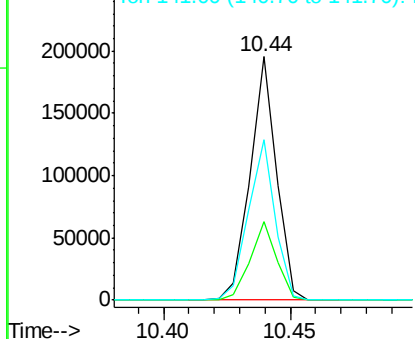


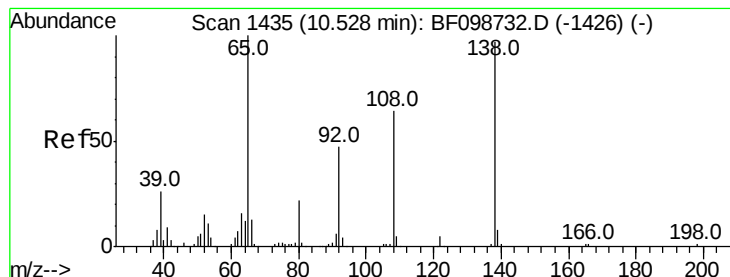
#60
4-Chlorophenyl-phenylether
Concen: 21.659 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Tgt Ion:204 Resp: 141299
Ion Ratio Lower Upper
204 100
206 32.0 26.5 39.7
141 65.7 54.6 81.8



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





#61

4-Nitroaniline

Concen: 22.932 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.06 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2017

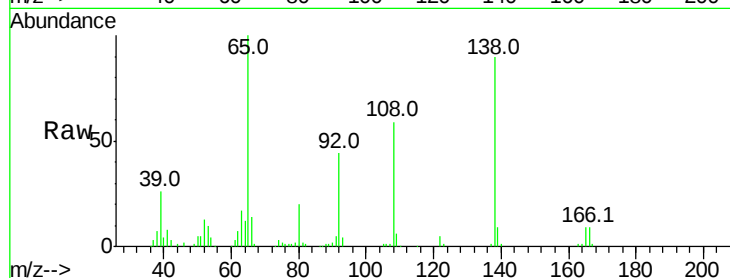
Tot Ion:138 Resp: 91926

Ion Ratio Lower Upper

138 100

92 48.3 30.2 70.2

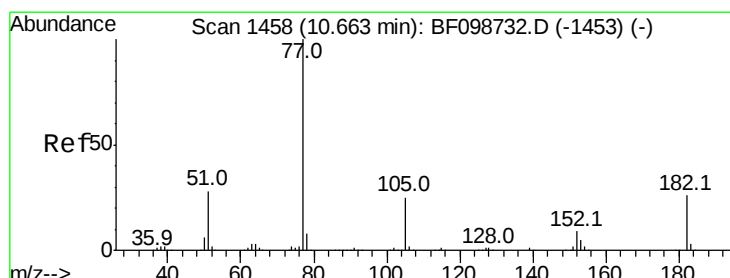
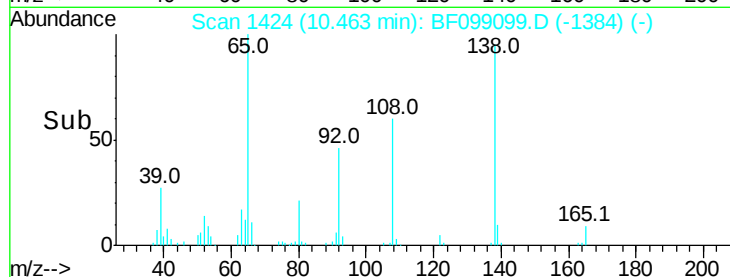
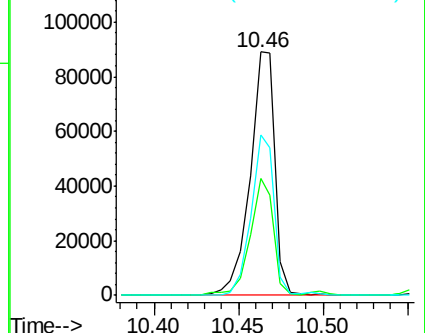
108 65.8 52.5 92.5



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: 20.574 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.06 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

Tgt Ion: 77 Resp: 302571

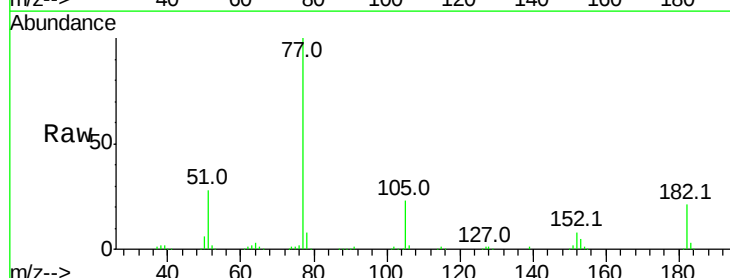
Ion Ratio Lower Upper

77 100

182 21.2 1.7 41.7

105 23.3 3.0 43.0

51 28.2 9.9 49.9

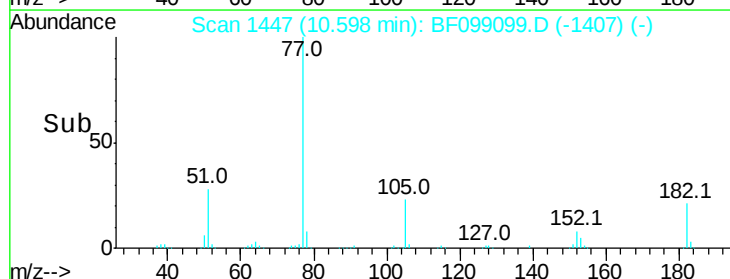
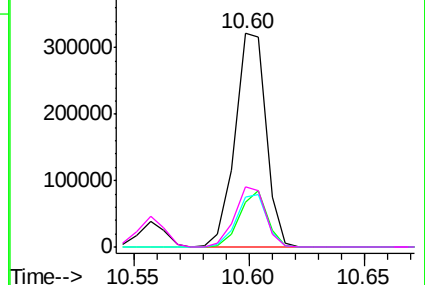


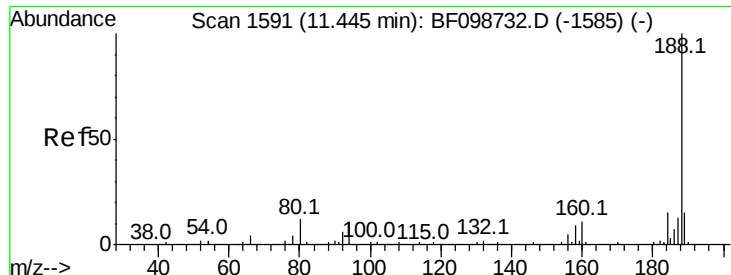
Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.06 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2017

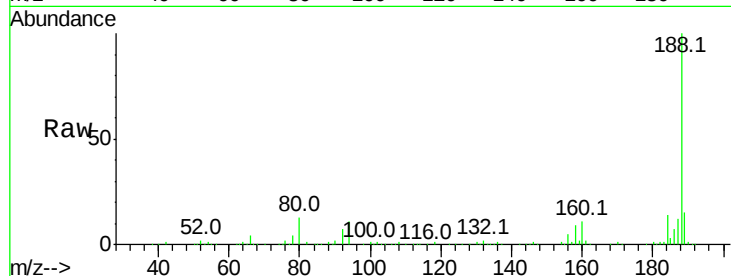
Tot Ion:188 Resp: 387945

Ion Ratio Lower Upper

188 100

94 11.2 8.5 12.7

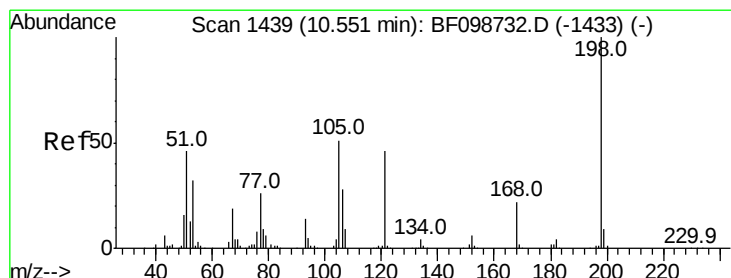
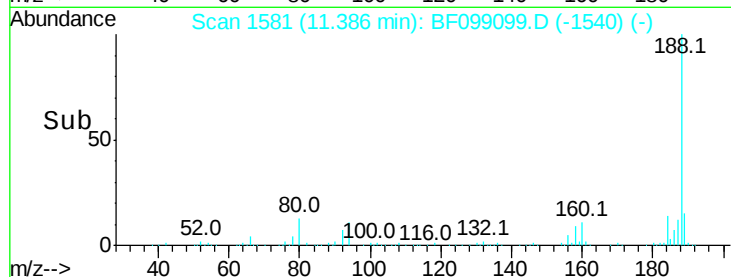
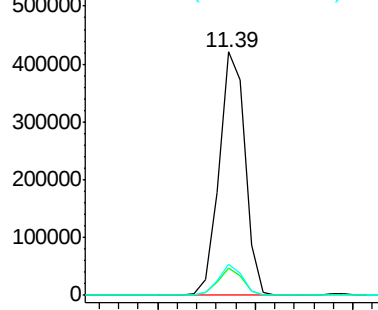
80 12.8 9.2 13.8



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: 19.850 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.05 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

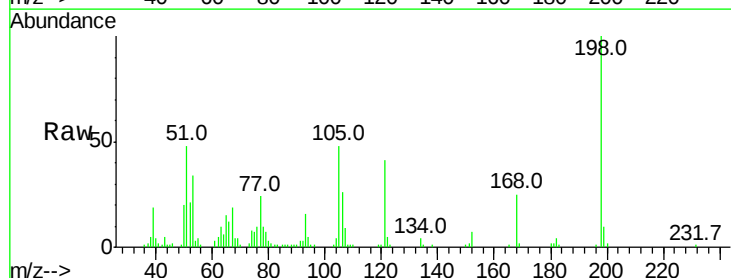
Tgt Ion:198 Resp: 46853

Ion Ratio Lower Upper

198 100

51 47.9 37.7 77.7

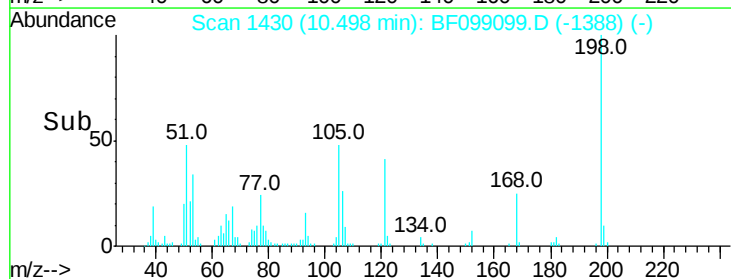
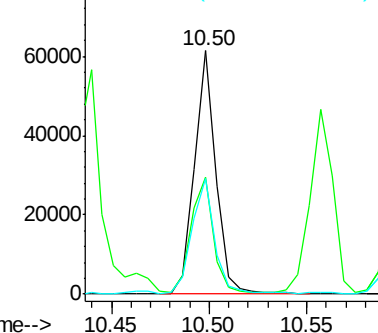
105 47.6 36.3 76.3

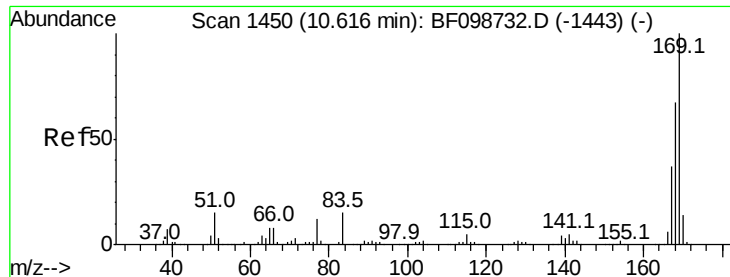


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

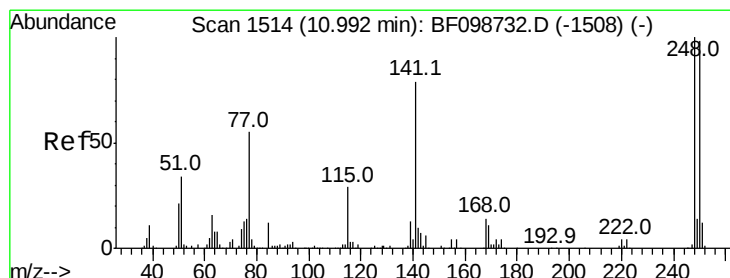
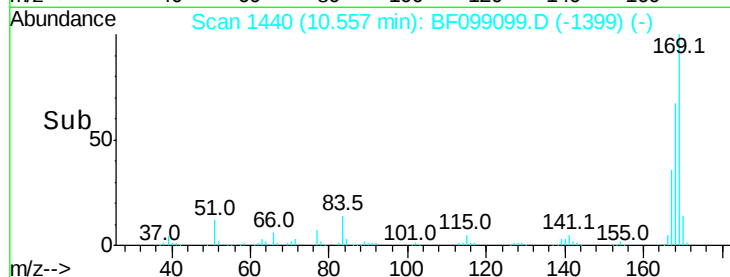
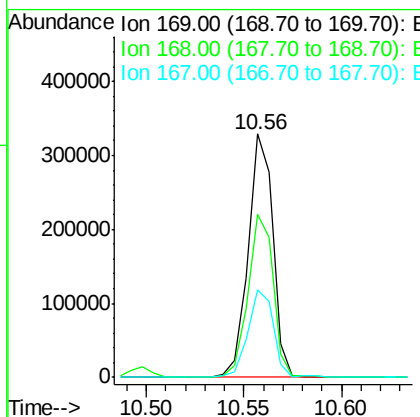
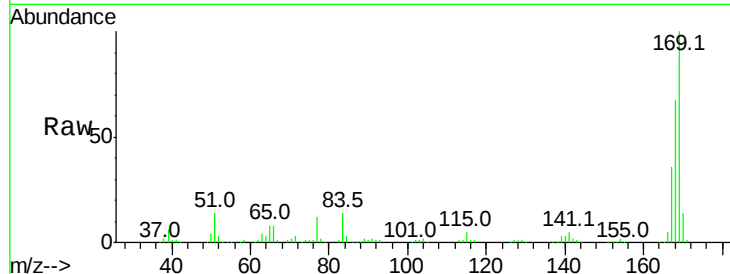




#65
n-Nitrosodiphenylamine
Concen: 21.486 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

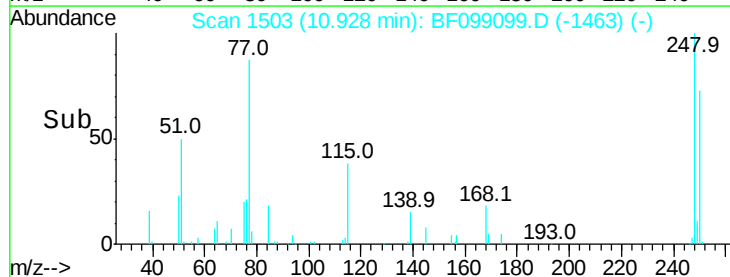
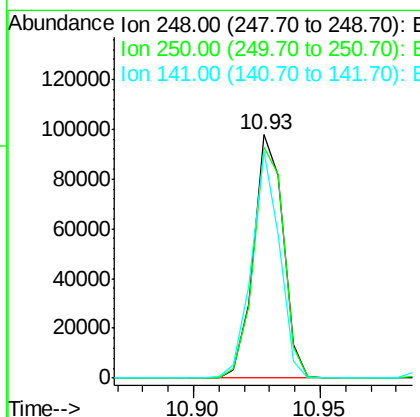
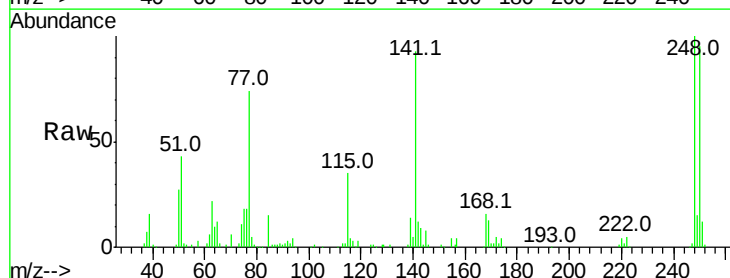
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2017

Tot Ion:169 Resp: 288769
Ion Ratio Lower Upper
169 100
168 67.2 54.4 81.6
167 35.8 29.8 44.6



#66
4-Bromophenyl-phenylether
Concen: 21.081 ng
RT: 10.93 min Scan# 1503
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Tgt Ion:248 Resp: 80050
Ion Ratio Lower Upper
248 100
250 94.8 76.9 115.3
141 93.0 74.4 111.6

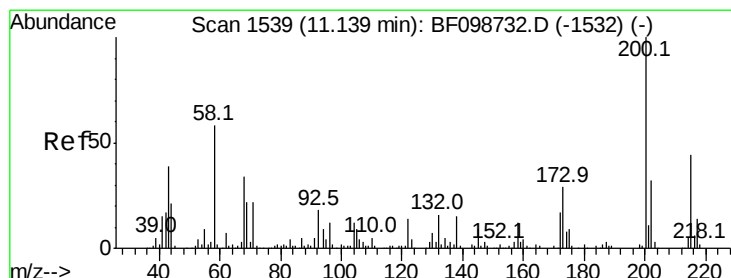
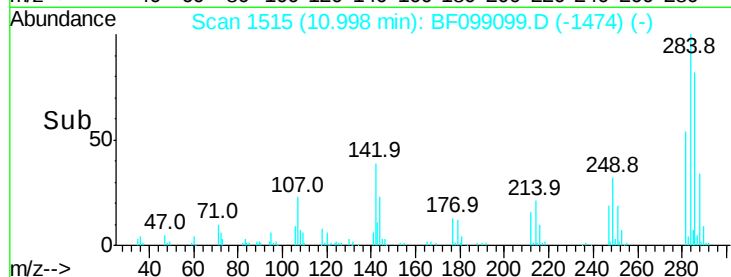
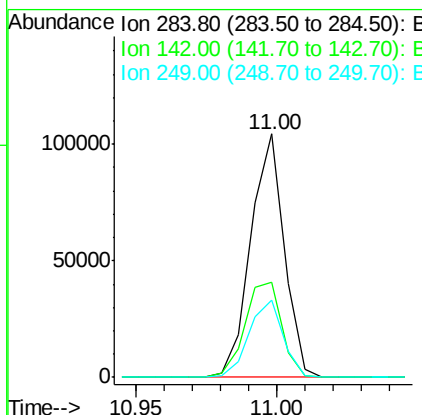
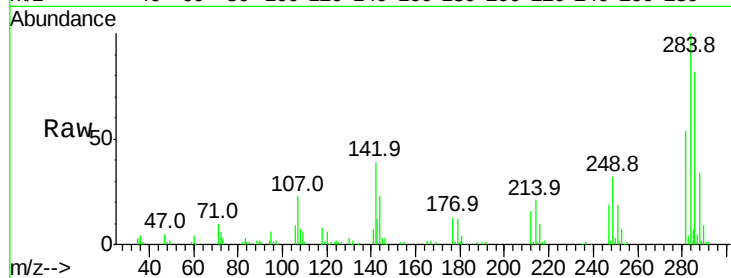




#67
Hexachlorobenzene
Concen: 21.133 ng
RT: 11.00 min Scan# 1515
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

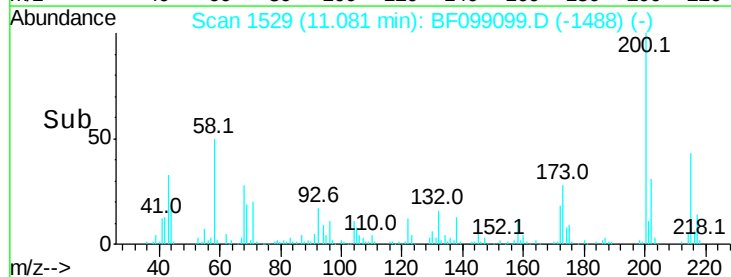
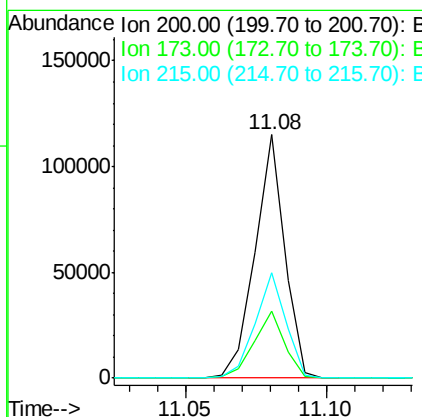
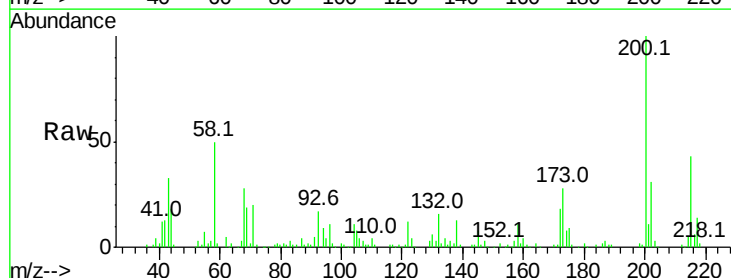
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2017

Tot Ion:284 Resp: 85708
Ion Ratio Lower Upper
284 100
142 38.9 34.6 52.0
249 31.9 24.8 37.2



#68
Atrazine
Concen: 20.832 ng
RT: 11.08 min Scan# 1529
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Tgt Ion:200 Resp: 84237
Ion Ratio Lower Upper
200 100
173 27.5 8.6 48.6
215 43.3 25.1 65.1

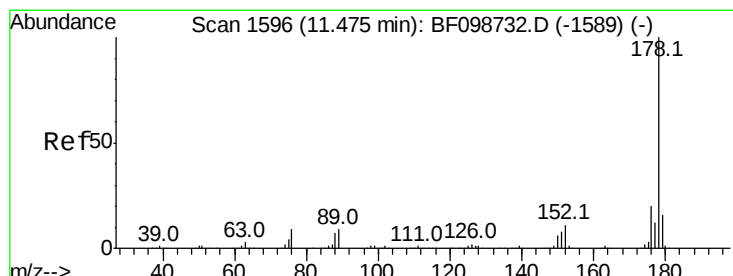
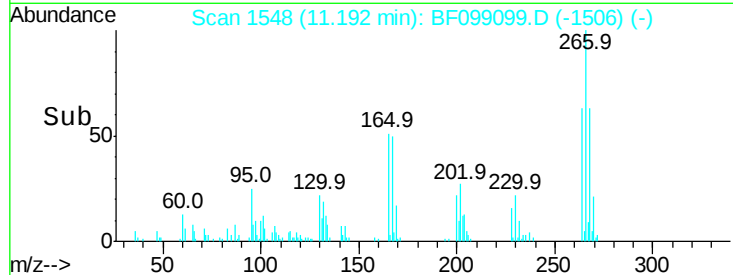
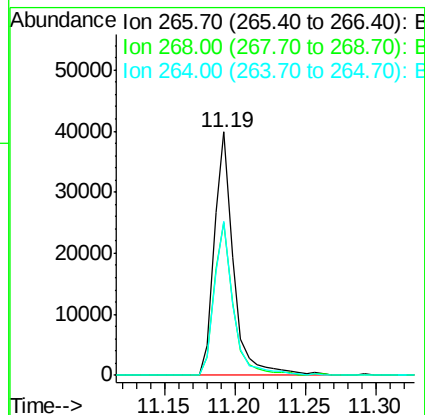
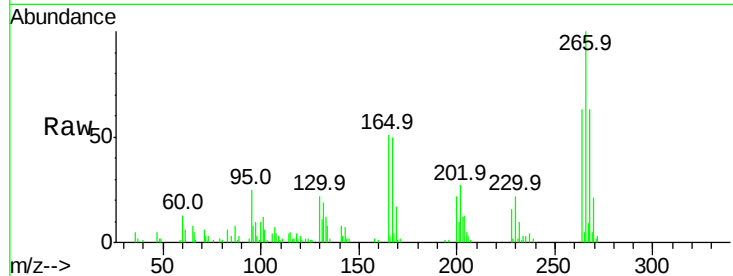




#69
 Pentachlorophenol
 Concen: 14.926 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.05 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

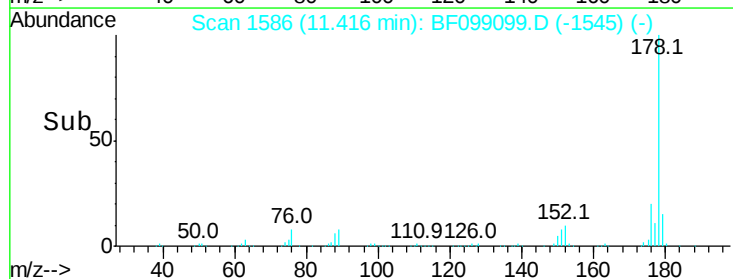
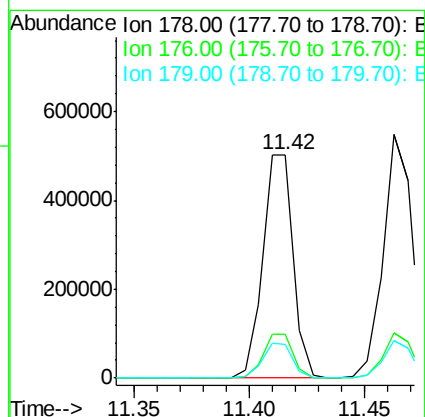
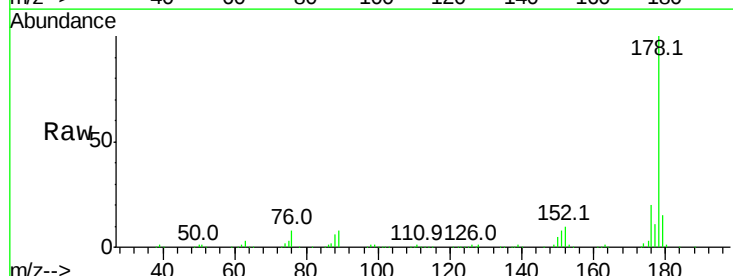
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2017

Tot Ion:266 Resp: 37676
 Ion Ratio Lower Upper
 266 100
 268 62.6 51.1 76.7
 264 63.0 49.5 74.3



#70
 Phenanthrene
 Concen: 22.192 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.06 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

Tgt Ion:178 Resp: 460828
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 15.0 13.0 19.6

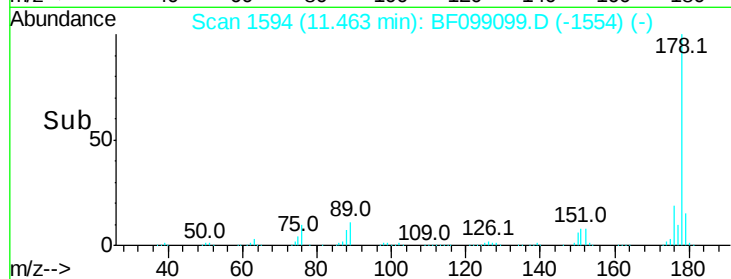
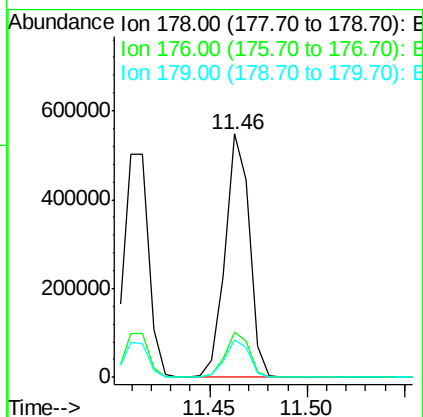
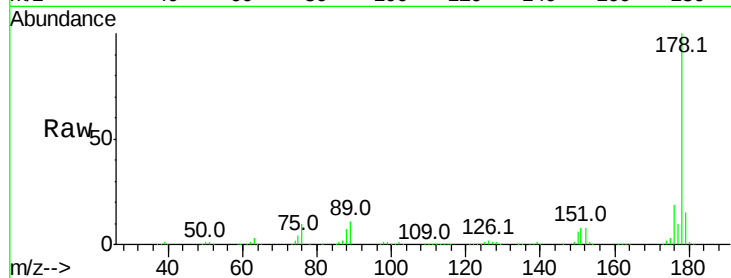




#71
 Anthracene
 Concen: 22.226 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.06 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

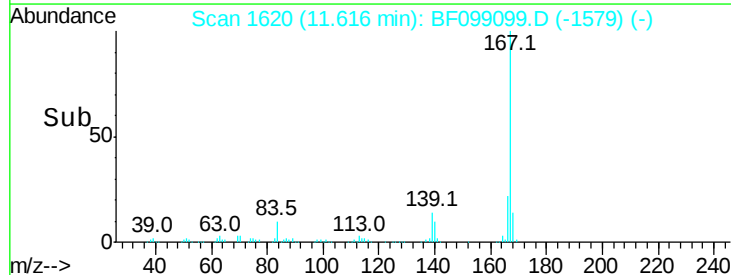
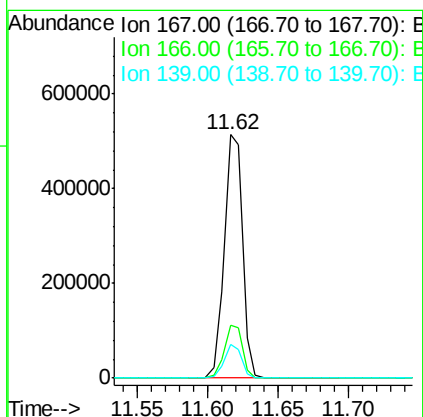
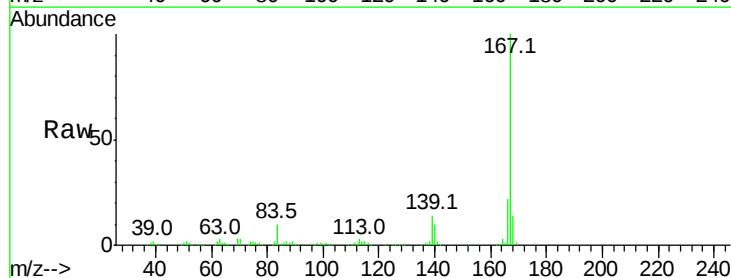
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2017

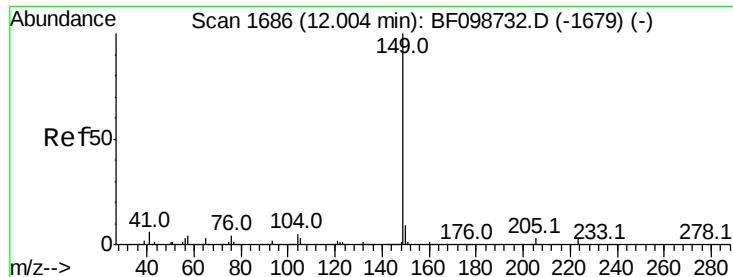
Tot Ion:178 Resp: 472234
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 15.5 12.6 19.0



#72
 Carbazole
 Concen: 22.204 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. -0.06 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

Tgt Ion:167 Resp: 461988
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.6 26.4
 139 13.6 10.9 16.3





#73

Di-n-butylphthalate

Concen: 21.597 ng

RT: 11.94 min Scan# 1675

Delta R.T. -0.06 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2017

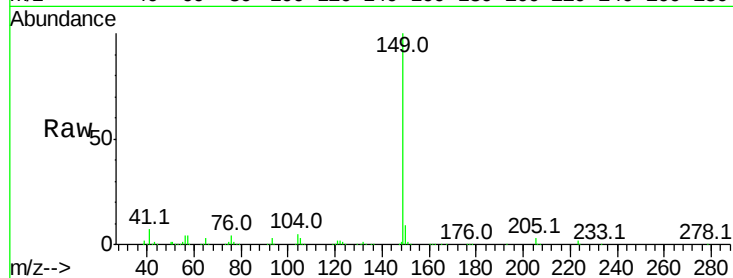
Tot Ion:149 Resp: 540892

Ion Ratio Lower Upper

149 100

150 9.1 7.8 11.6

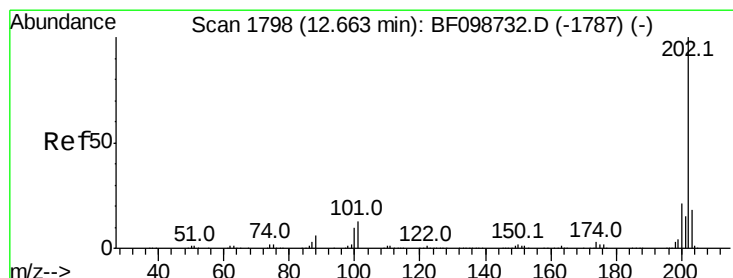
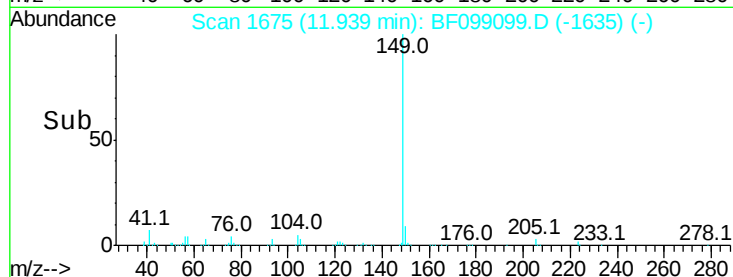
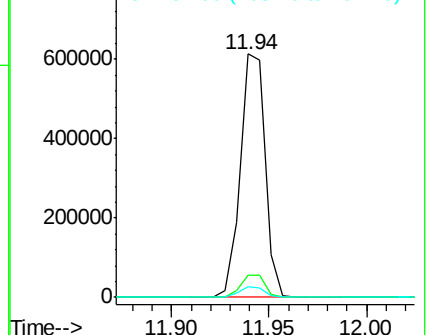
104 4.6 3.8 5.8



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: 22.379 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.06 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

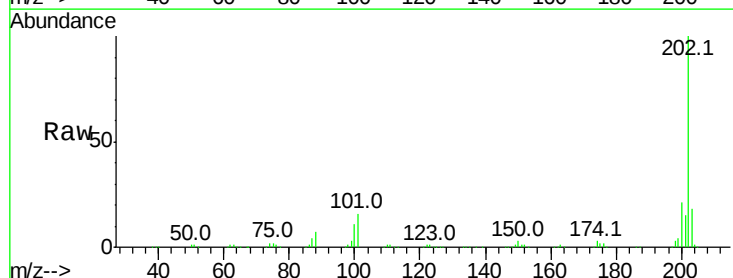
Tgt Ion:202 Resp: 470577

Ion Ratio Lower Upper

202 100

101 15.5 0.0 34.1

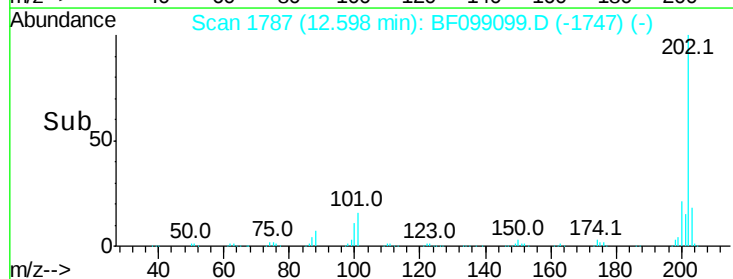
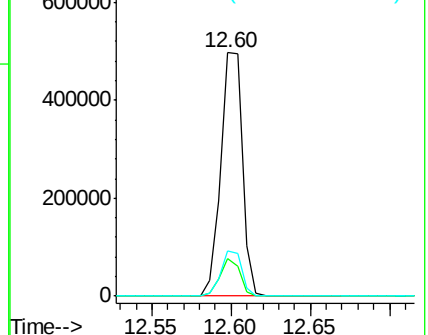
203 18.4 0.0 38.1

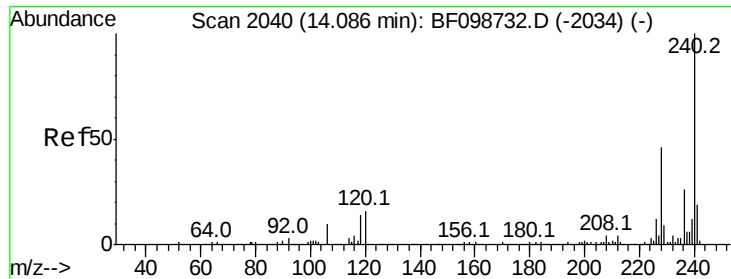


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.06 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2017

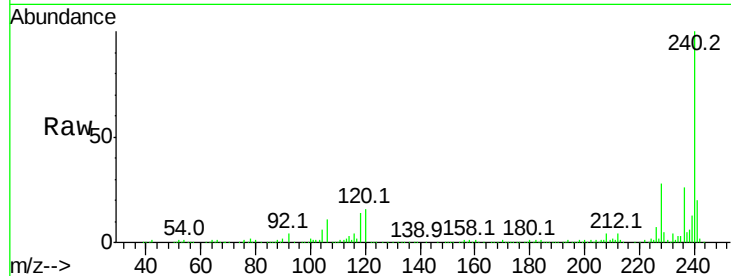
Tot Ion:240 Resp: 319020

Ion Ratio Lower Upper

240 100

120 15.7 9.5 14.3#

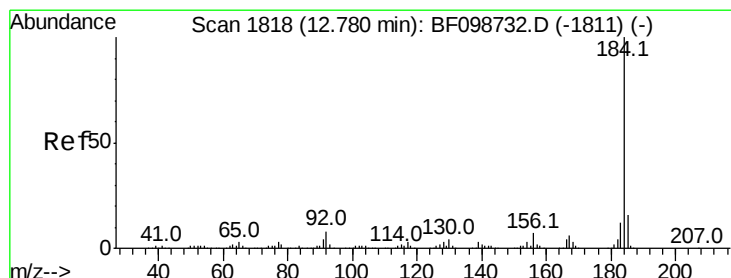
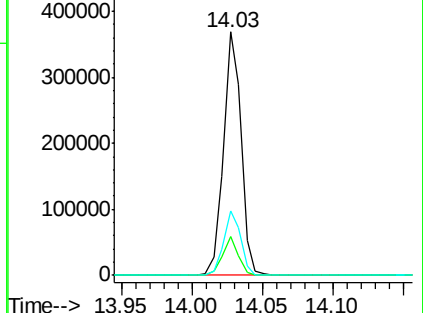
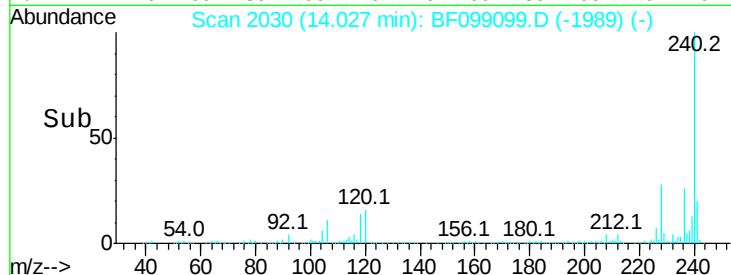
236 26.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 17.658 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.06 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

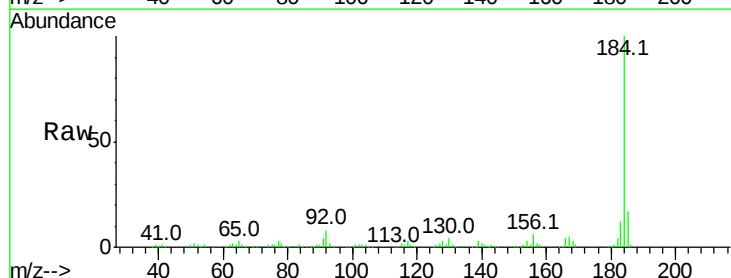
Tgt Ion:184 Resp: 208360

Ion Ratio Lower Upper

184 100

185 17.1 12.6 18.8

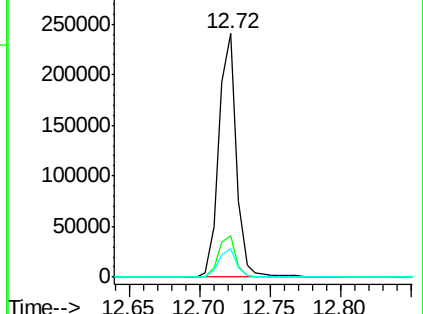
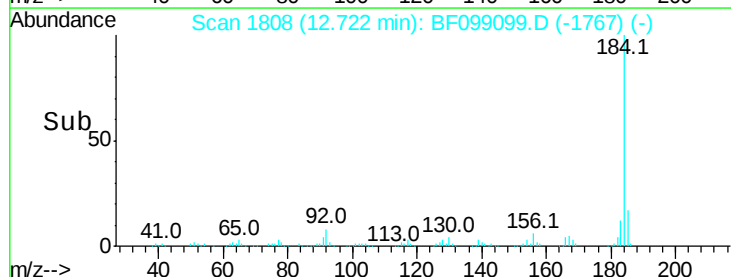
183 11.6 9.3 13.9

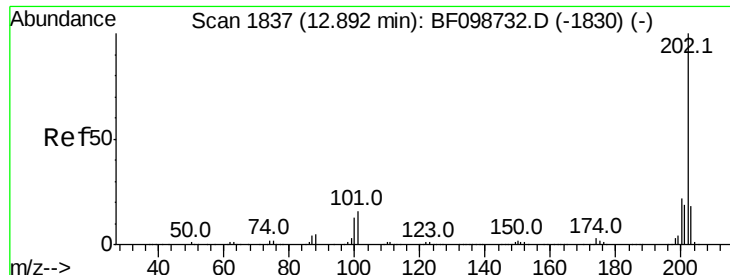


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

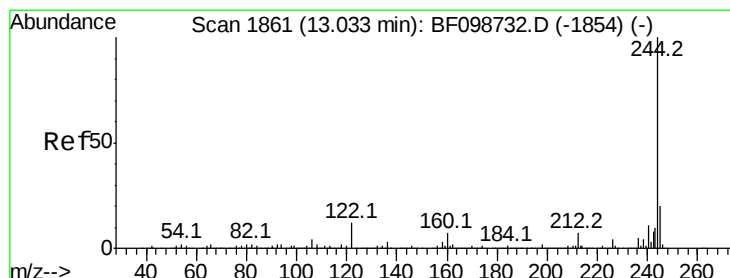
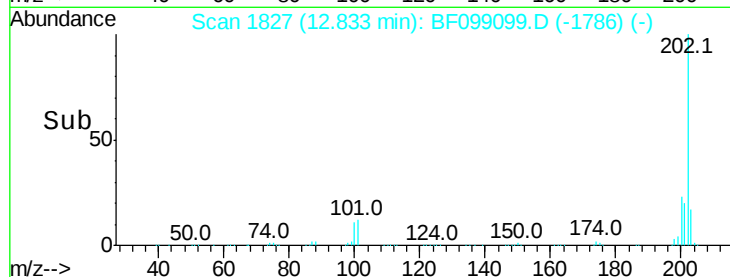
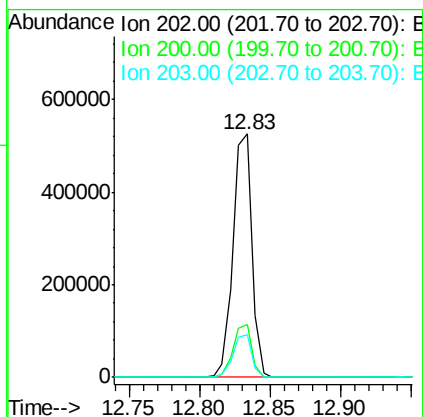
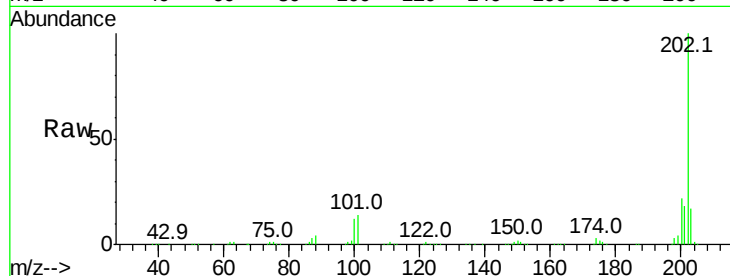




#77
Pvrene
Concen: 20.220 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

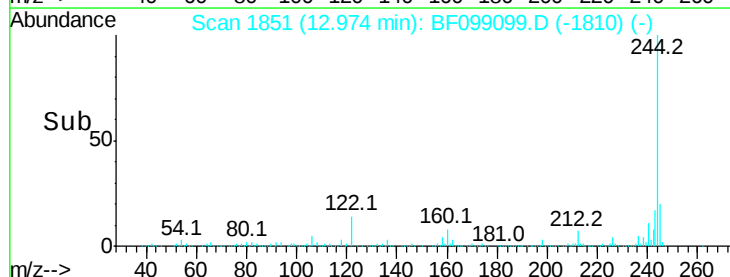
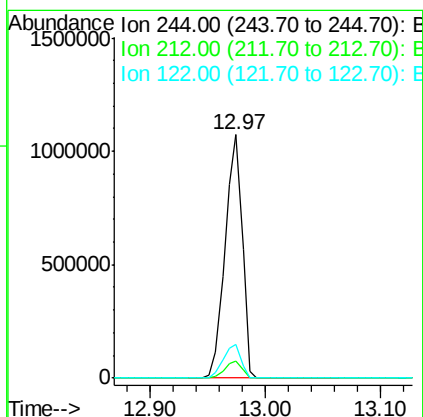
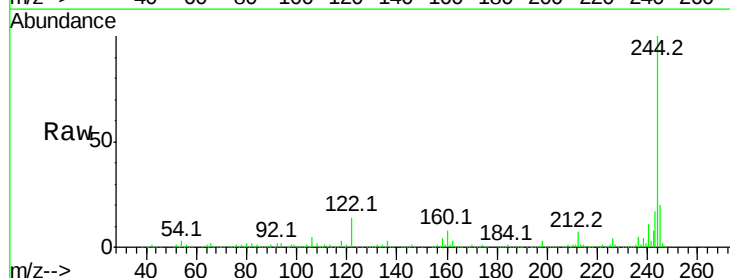
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2017

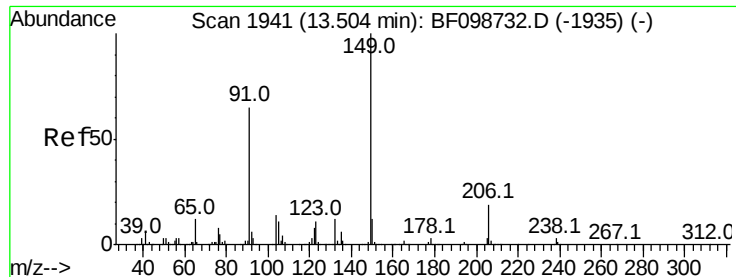
Tot Ion:202 Resp: 491871
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 17.3 14.3 21.5



#78
Terphenyl-d14
Concen: 78.476 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.06 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Tgt Ion:244 Resp: 1100844
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 13.7 11.0 16.4

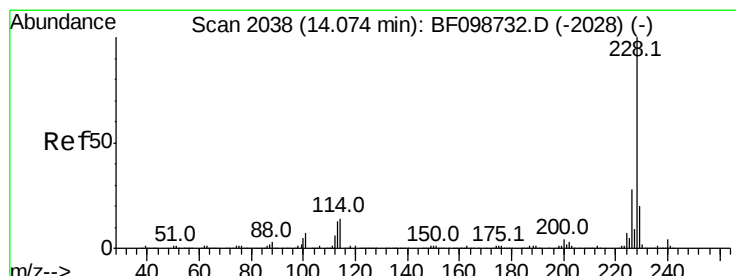
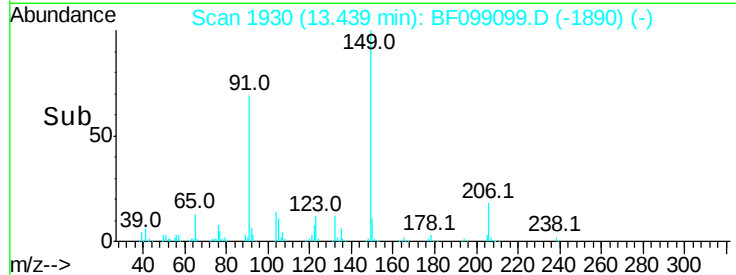
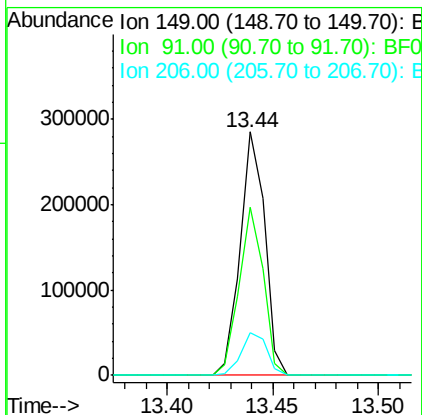
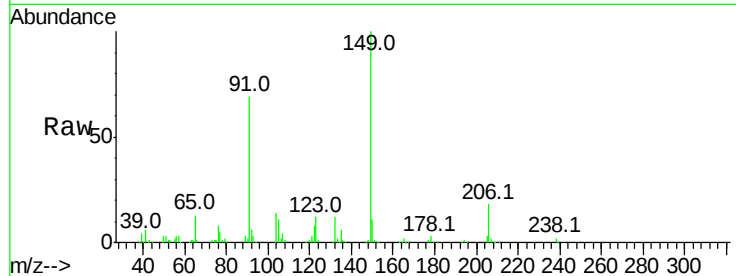




#79
 Butylbenzylphthalate
 Concen: 20.125 ng
 RT: 13.44 min Scan# 1930
 Delta R.T. -0.06 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

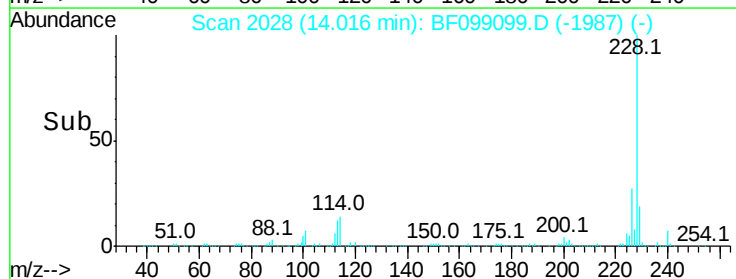
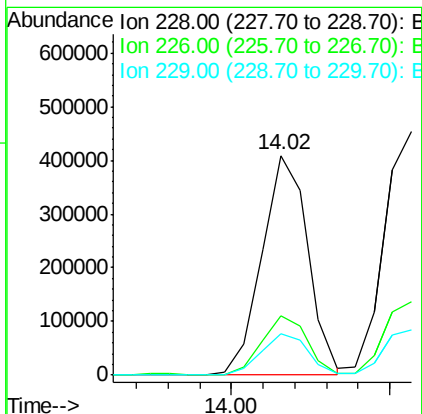
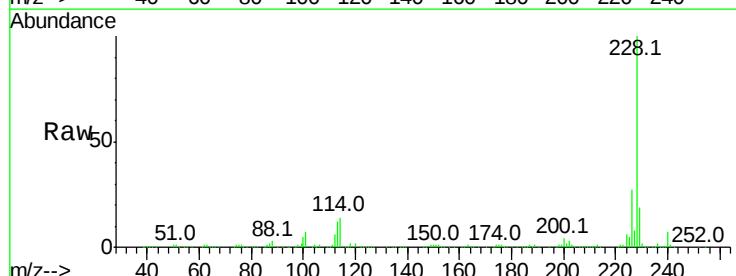
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2017

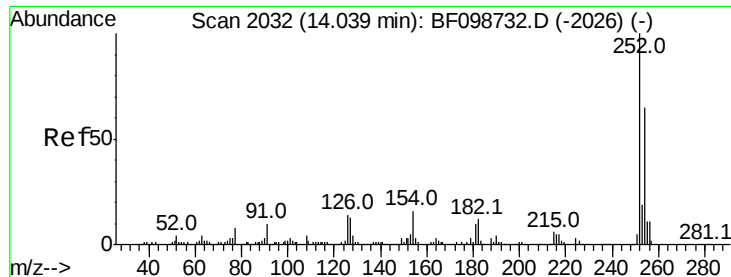
Tot Ion:	149	Resp:	230086
Ion	Ratio	Lower	Upper
149	100		
91	69.0	56.8	85.2
206	17.6	14.1	21.1



#80
 Benzo(a)anthracene
 Concen: 21.341 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.06 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

Tgt Ion:	228	Resp:	412250
Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.6	33.8
229	18.9	15.8	23.6

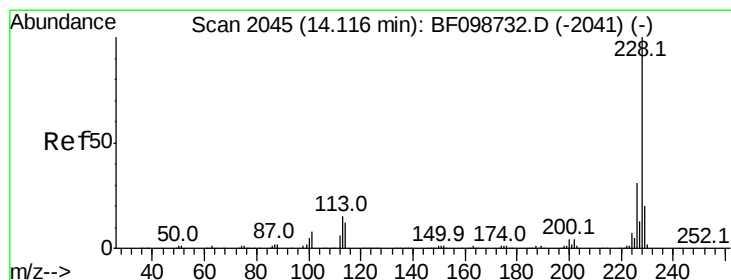
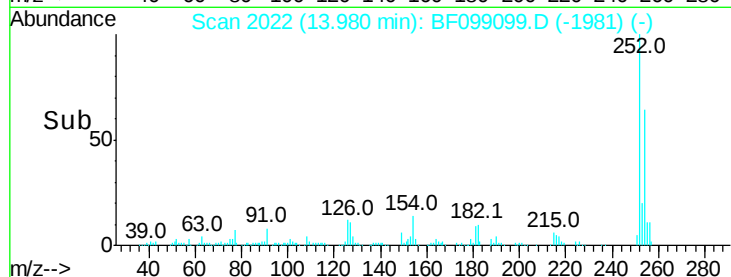
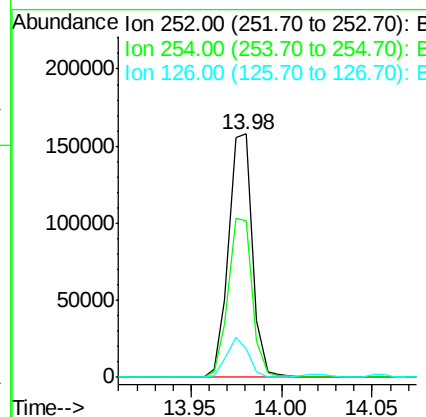
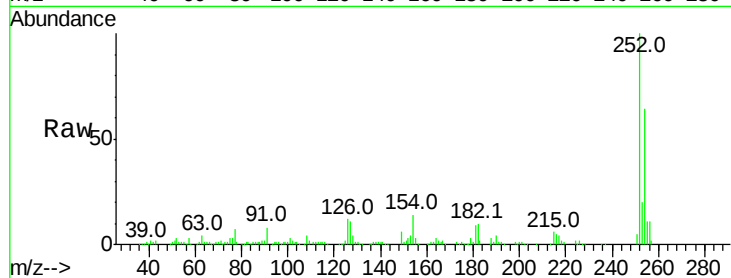




#81
 3,3'-Dichlorobenzidine
 Concen: 20.606 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.06 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

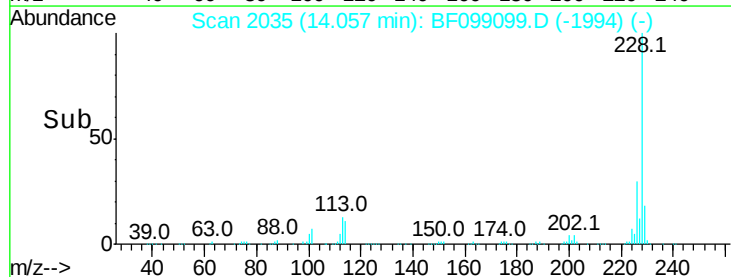
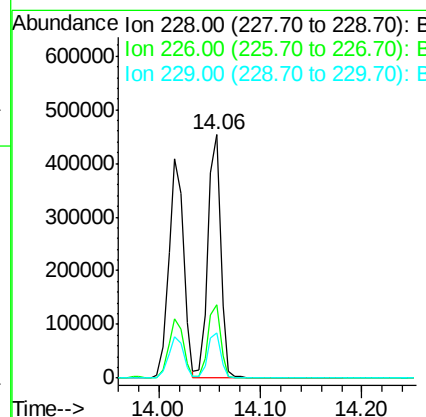
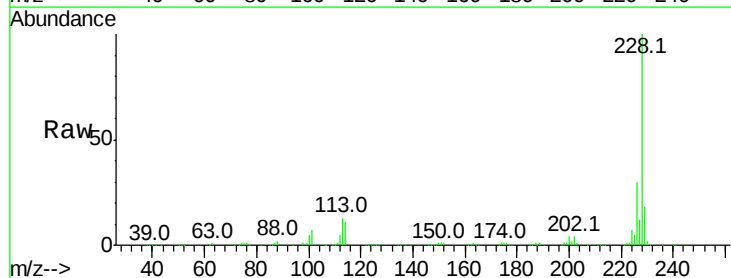
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2017

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.4	50.4	75.6
126	12.0	11.3	16.9



#82
 Chrysene
 Concen: 21.784 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.06 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	18.3	16.2	24.4

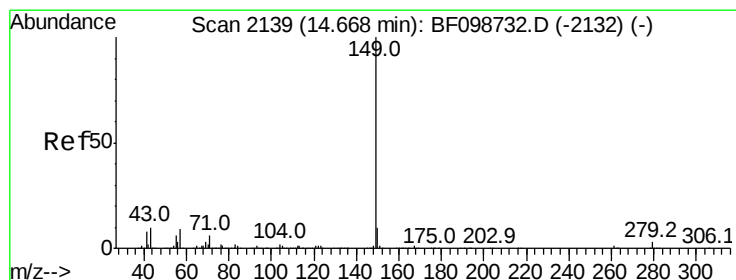
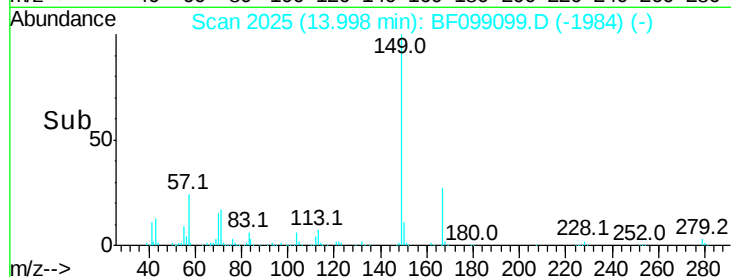
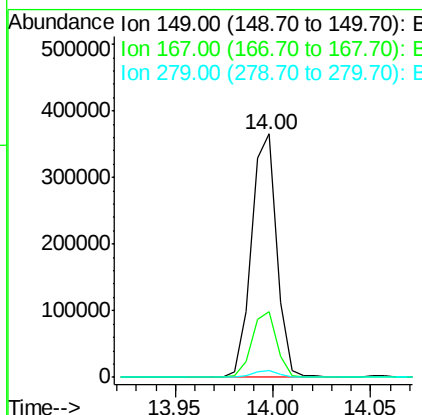
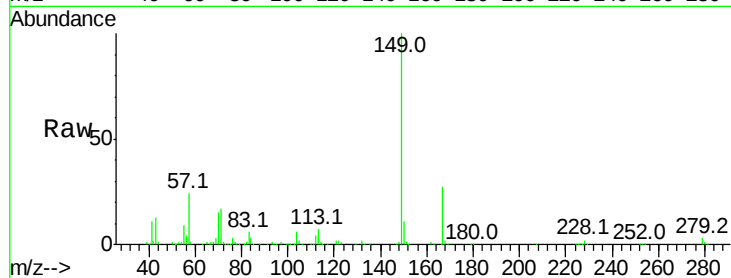




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 20.918 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.06 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

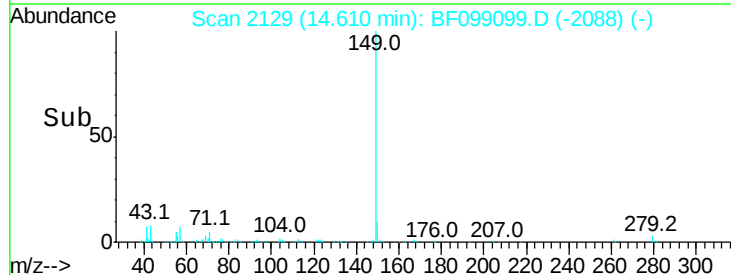
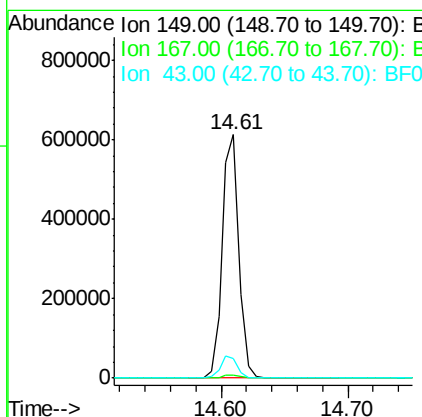
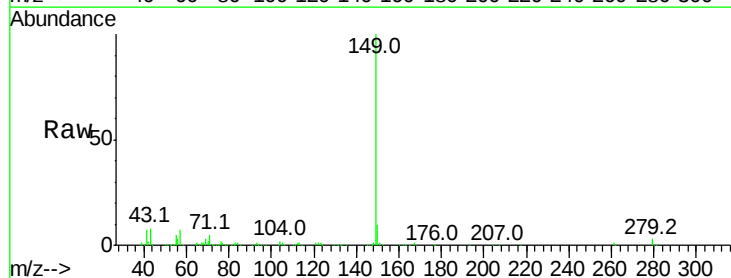
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2017

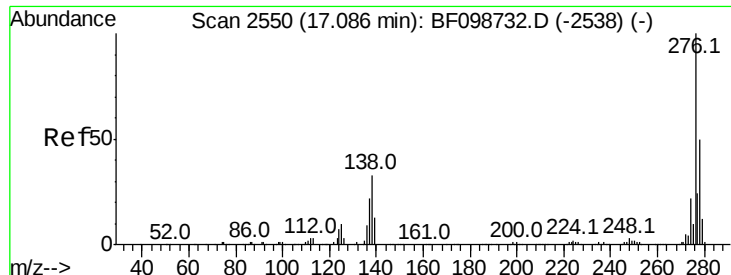
Tot Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.3	31.9
279	2.8	3.0	4.4#



#84
 Di-n-octyl phthalate
 Concen: 22.077 ng
 RT: 14.61 min Scan# 2129
 Delta R.T. -0.06 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	9.4	8.4	12.6

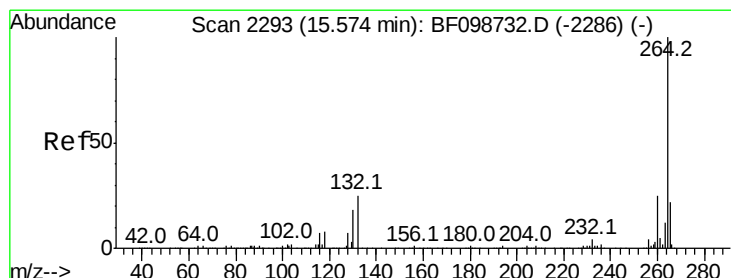
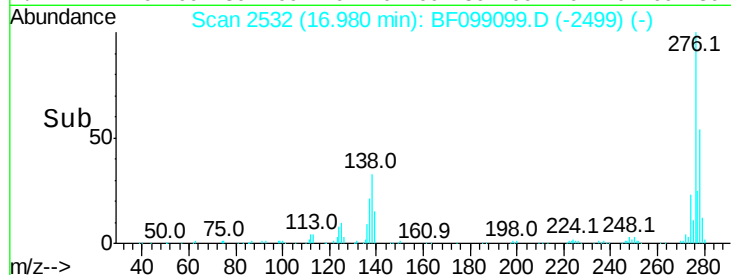
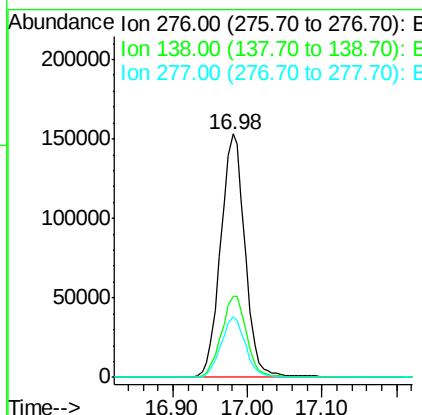
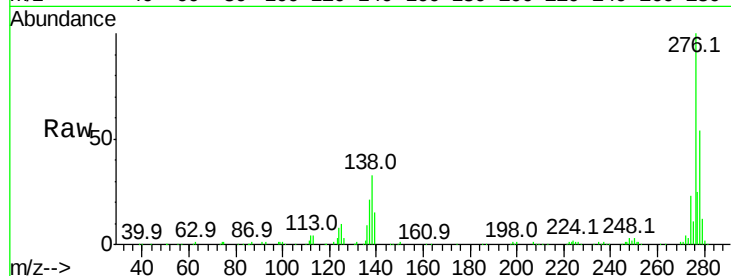




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 23.699 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. -0.11 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

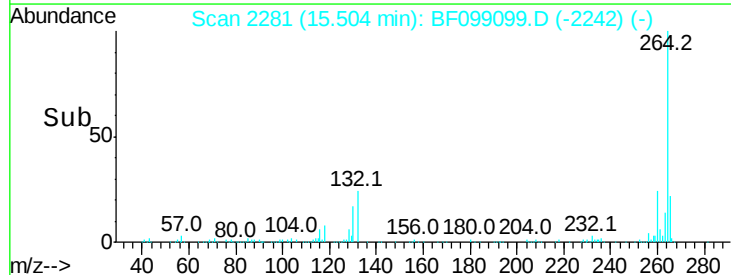
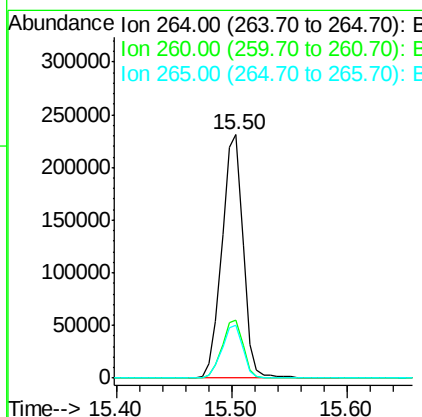
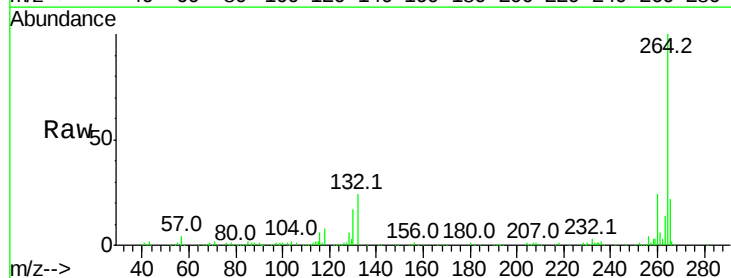
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2017

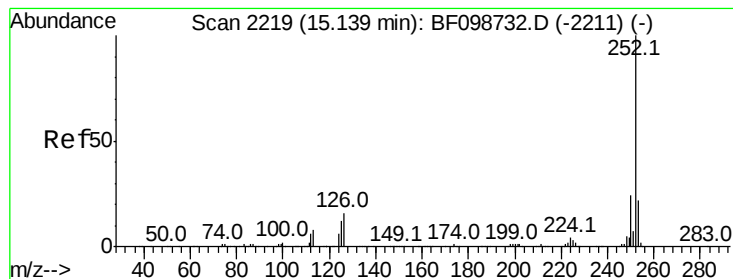
Tot Ion	Ratio	Lower	Upper
276	100		
138	34.7	25.0	37.6
277	24.7	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. -0.07 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 20.229 ng

RT: 15.07 min Scan# 2207

Delta R.T. -0.07 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2017

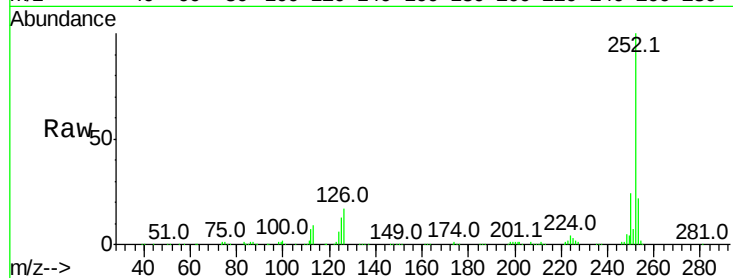
Tot Ion:252 Resp: 366070

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.6

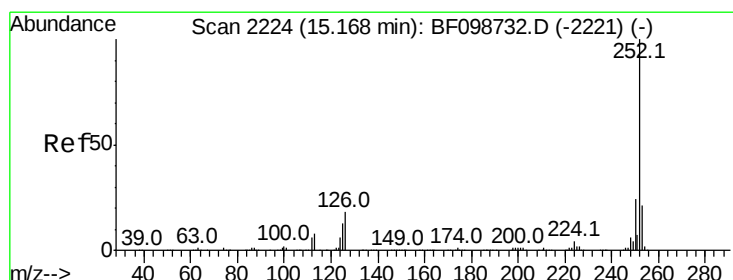
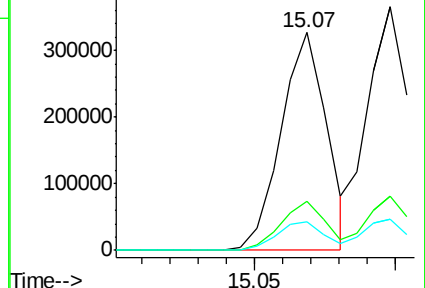
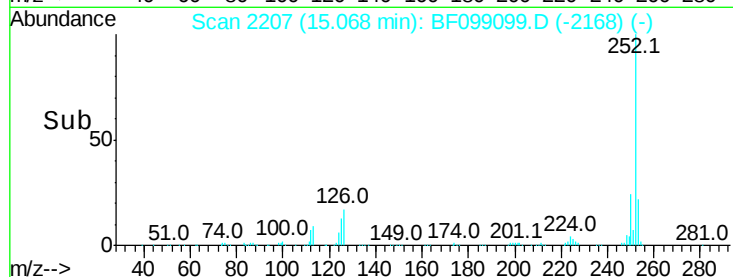
125 13.3 9.0 13.6



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: 21.258 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.07 min

Lab File: BF099099.D

Acq: 5 Oct 2017 12:29

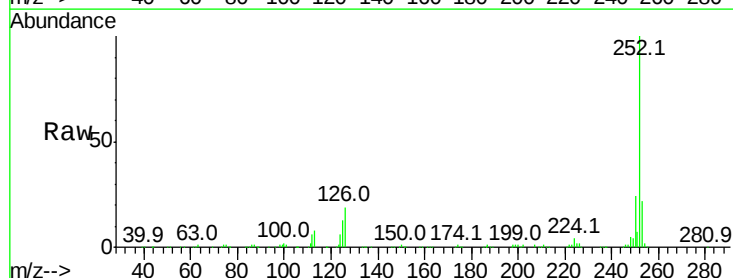
Tgt Ion:252 Resp: 379958

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

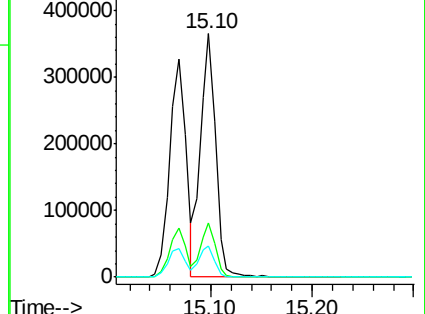
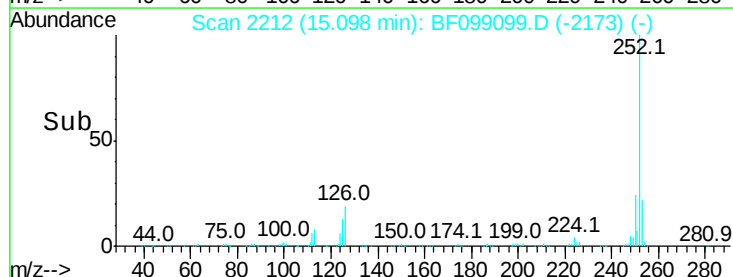
125 12.8 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

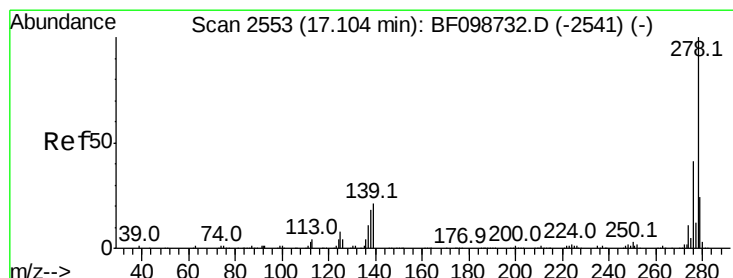
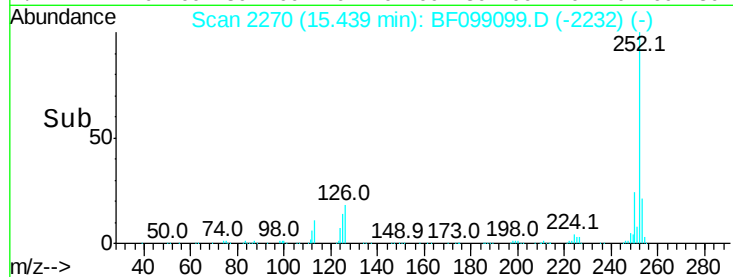
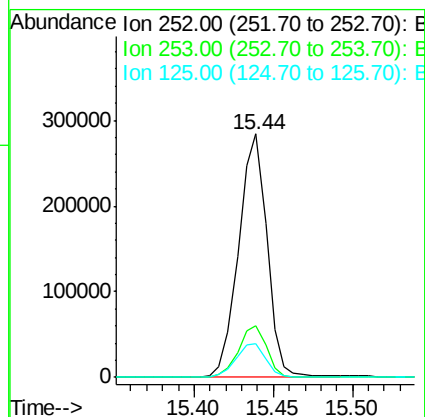
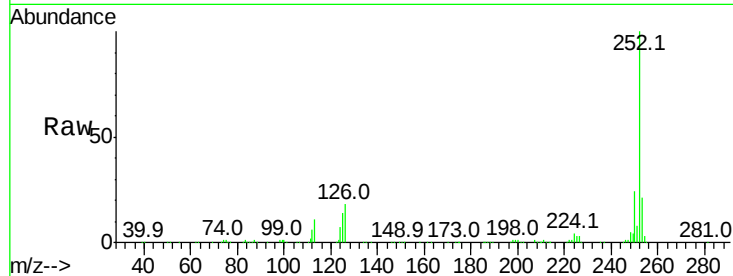




#89
Benzo(a)pyrene
Concen: 21.302 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.08 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

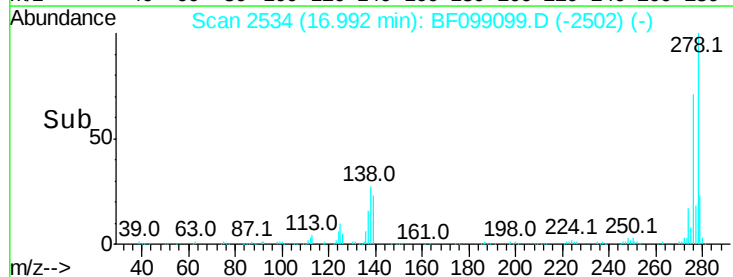
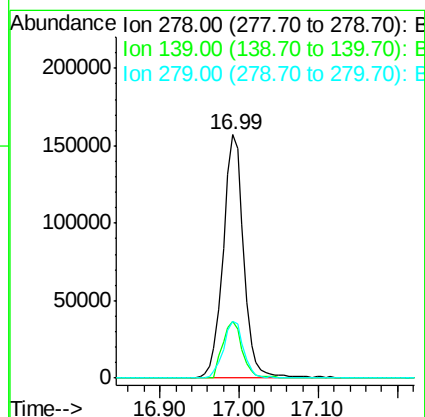
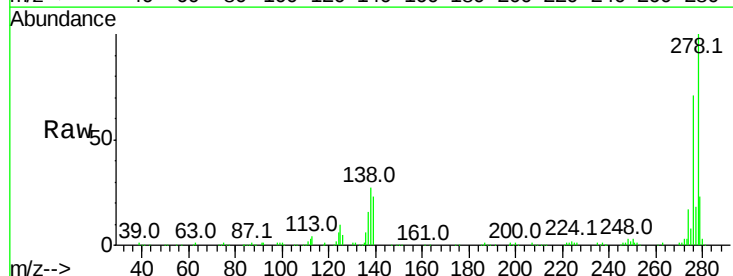
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2017

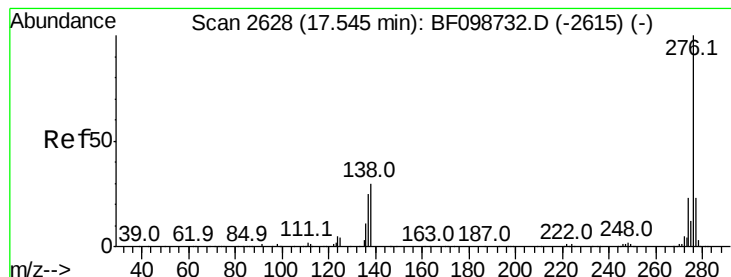
Tot Ion:252 Resp: 353862
Ion Ratio Lower Upper
252 100
253 21.4 17.1 25.7
125 13.7 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 21.321 ng
RT: 16.99 min Scan# 2534
Delta R.T. -0.11 min
Lab File: BF099099.D
Acq: 5 Oct 2017 12:29

Tgt Ion:278 Resp: 283436
Ion Ratio Lower Upper
278 100
139 23.2 15.9 23.9
279 23.4 19.0 28.4

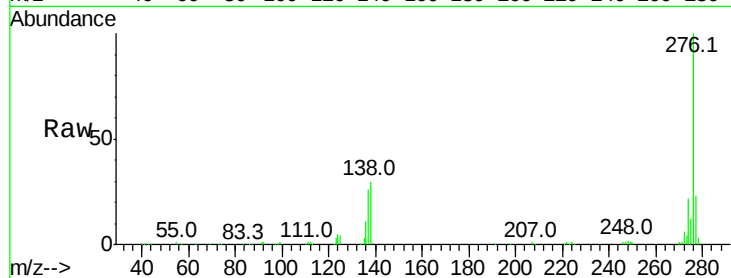




#91
 Benzo(a,h,i)perylene
 Concen: 20.946 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. -0.12 min
 Lab File: BF099099.D
 Acq: 5 Oct 2017 12:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2017

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	17.9	26.9
138	30.2	21.8	32.8



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

