

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121516\
 Data File : BF091649.D
 Acq On : 16 Dec 2016 00:50
 Operator : UM/SJ
 Sample : H6029-04MS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MS

Quant Time: Dec 16 02:22:33 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	704629	20.00	ng	0.16
21) Naphthalene-d8	8.40	136	425	20.00	ng	0.32
38) Acenaphthene-d10	10.28	164	18642	20.00	ng	0.46
63) Phenanthrene-d10	0.00	188	0	0.00	ng	-11.31
75) Chrysene-d12	13.94	240	612	20.00	ng	0.00
86) Perylene-d12	15.35	264	2213	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1929677	46.14	ng	0.02
7) Phenol-d6	6.44	99	2263891	43.42	ng	0.01
23) Nitrobenzene-d5	7.62	82	1557147	204491.03	ng	0.26
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
78) Terphenyl-d14	12.90	244	1857484	68871.44	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.40	88	231341	10.48	ng	87
3) Pyridine	3.09	79	723989	12.31	ng	# 81
4) n-Nitrosodimethylamine	3.05	42	352930	13.97	ng	# 73
6) Aniline	6.53	93	739871	10.82	ng	# 36
8) 2-Chlorophenol	6.58	128	747241	15.83	ng	98
10) Phenol	6.45	94	1072676	17.60	ng	94
11) bis(2-Chloroethyl)ether	6.53	93	739871	16.16	ng	# 79
12) 1,3-Dichlorobenzene	6.81	146	741812	14.49	ng	100
13) 1,4-Dichlorobenzene	6.81	146	741812	14.69	ng	100
14) 1,2-Dichlorobenzene	6.96	146	624376	13.72	ng	98
15) Benzyl Alcohol	6.93	79	573155	13.92	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.07	45	969551	13.66	ng	83
17) 2-Methylphenol	7.21	107	674879	17.28	ng	# 73
19) n-Nitroso-di-n-propylamine	7.36	70	197150	6.05	ng	# 65
20) 3+4-Methylphenols	7.21	107	674879	13.83	ng	# 73
22) Acetophenone	7.73	105	23861	2343.28	ng	# 1
24) Nitrobenzene	7.62	77	50733	6305.89	ng	# 68
27) 2,4-Dimethylphenol	8.21	122	14251	2285.00	ng	# 26
31) Naphthalene	8.14	128	19181	970.01	ng	# 1
32) Benzoic acid	8.21	122	14251	2864.22	ng	# 2
35) Caprolactam	8.89	113	29606	18682.93	ng	# 1
36) 4-Chloro-3-methylphenol	8.96	107	44339	7285.86	ng	# 6
37) 2-Methylnaphthalene	8.89	142	1180181	92212.16	ng	96
45) 1,1'-Biphenyl	9.86	154	1035960	767.23	ng	# 14
46) 2-Chloronaphthalene	9.76	162	2211	2.11	ng	# 37
47) 2-Nitroaniline	9.78	65	275022	782.18	ng	# 63
48) Acenaphthylene	9.86	152	488369	306.40	ng	# 1
49) Dimethylphthalate	9.98	163	339742	287.82	ng	# 95
50) 2,6-Dinitrotoluene	10.02	165	343809	1327.05	ng	# 74
51) Acenaphthene	10.49	154	24713	22.32	ng	# 24
52) 3-Nitroaniline	10.40	138	309653	1017.45	ng	# 32
53) 2,4-Dinitrophenol	10.53	184	3100	29.23	ng	# 1
54) Dibenzofuran	10.49	168	663456	484.39	ng	# 1
55) 4-Nitrophenol	10.37	139	160217	707.58	ng	# 18

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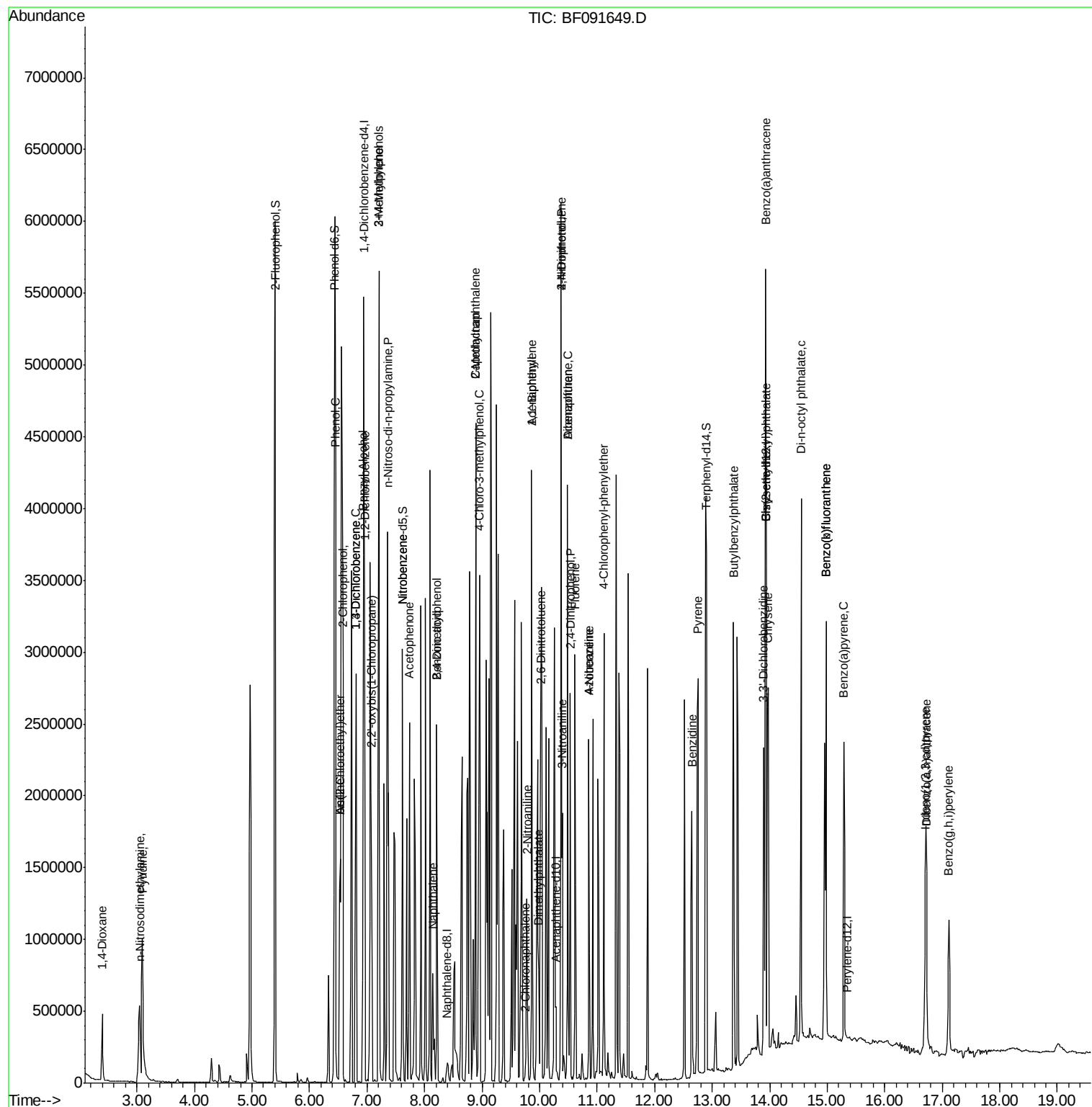
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) 2,4-Dinitrotoluene	10.37	165	992252	3055.46	nq	# 42
57) Fluorene	10.61	166	17905	14.97	nq	# 92
60) 4-Chlorophenyl-phenylether	11.12	204	42893	87.10	nq	# 89
61) 4-Nitroaniline	10.85	138	2063	6.82	nq	# 1
62) Azobenzene	10.85	77	204658	158.90	nq	# 46
76) Benzidine	12.65	184	944222	49897.52	nq	97
77) Pyrene	12.75	202	1680759	34616.58	nq	99
79) Butylbenzylphthalate	13.37	149	730689	38606.31	nq	88
80) Benzo(a)anthracene	13.93	228	1319678	37130.20	nq	100
81) 3,3'-Dichlorobenzidine	13.89	252	522874	40968.95	nq	# 95
82) Chrysene	13.97	228	1369229	36821.71	nq	99
83) Bis(2-ethylhexyl)phthalate	13.94	149	1017255	41891.74	nq	# 93
84) Di-n-octyl phthalate	14.55	149	1853407	44967.46	nq	# 91
85) Indeno(1,2,3-cd)pyrene	16.71	276	961032	28720.02	nq	100
87) Benzo(b)fluoranthene	14.98	252	2492563	18894.23	nq	99
88) Benzo(k)fluoranthene	14.98	252	2492851	21490.88	nq	99
89) Benzo(a)pyrene	15.29	252	1163235	9787.71	nq	99
90) Dibenzo(a,h)anthracene	16.73	278	789581	7416.34	nq	96
91) Benzo(g,h,i)perylene	17.12	276	752231	6942.34	nq	96

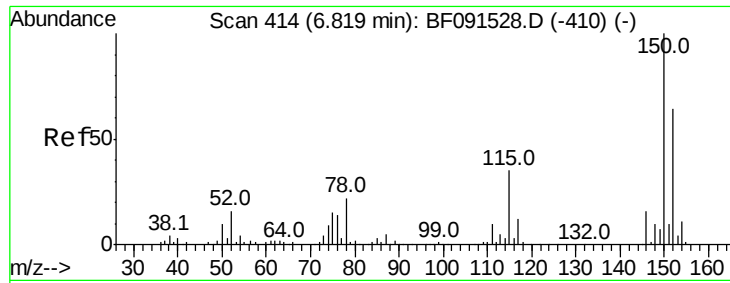
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 425

Delta R.T. 0.16 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

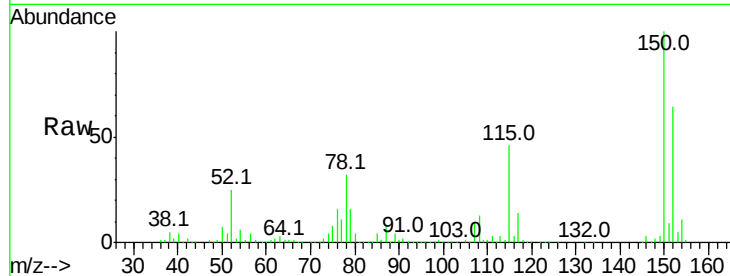
Tot Ion:152 Resp: 704629

Ion Ratio Lower Upper

152 100

150 155.7 122.5 183.7

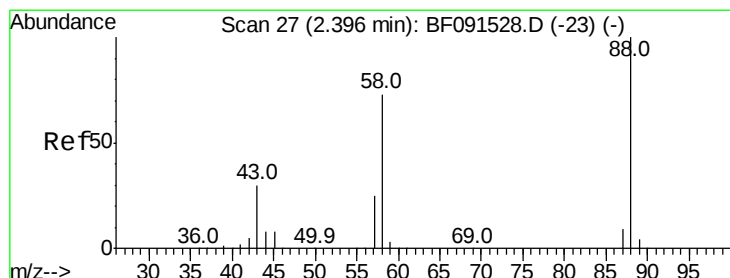
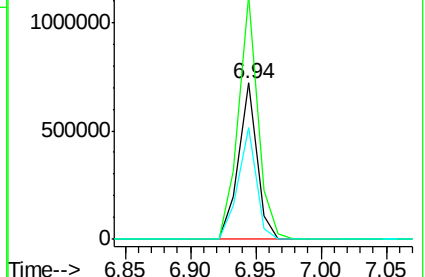
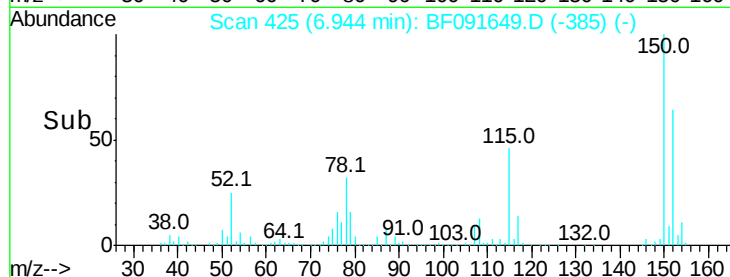
115 71.7 51.8 77.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 10.48 ng

RT: 2.40 min Scan# 27

Delta R.T. 0.07 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

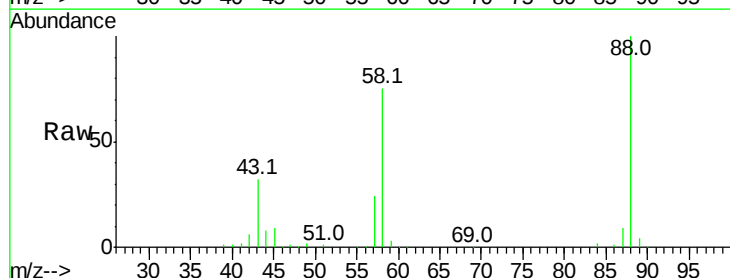
Tgt Ion: 88 Resp: 231341

Ion Ratio Lower Upper

88 100

58 74.8 70.3 105.5

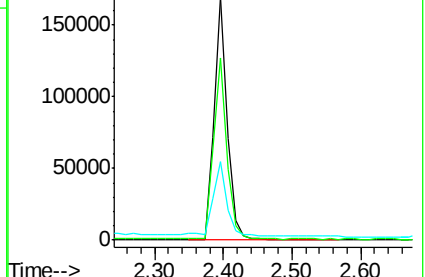
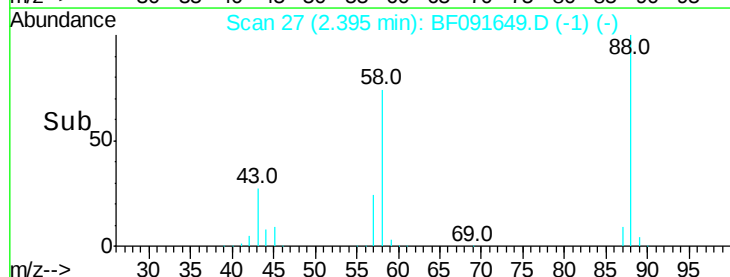
43 32.8 31.3 46.9

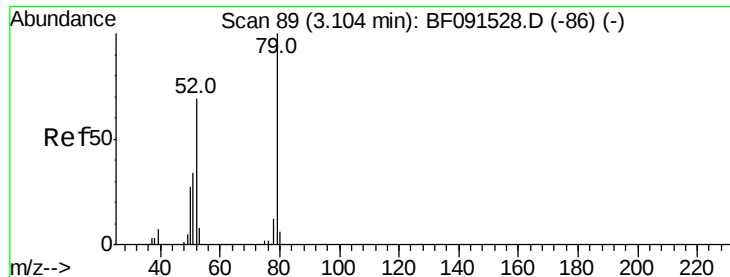


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

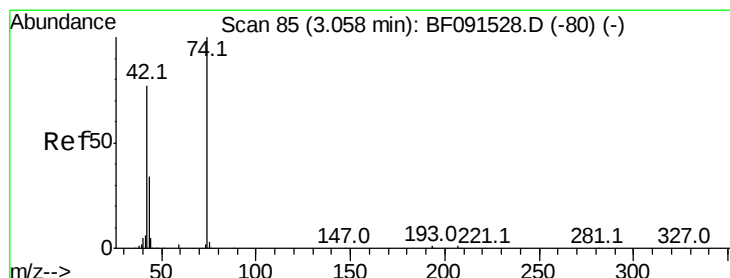
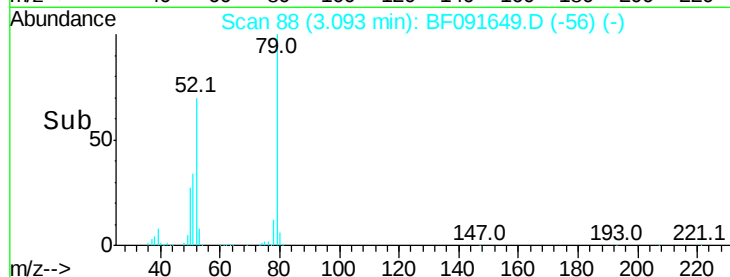
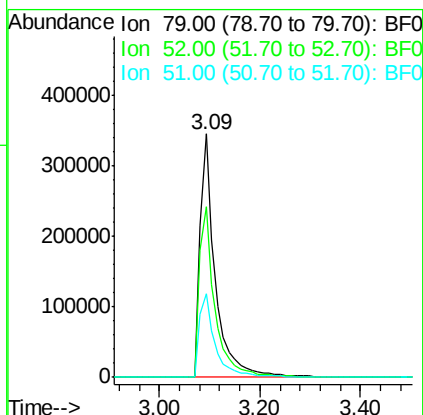
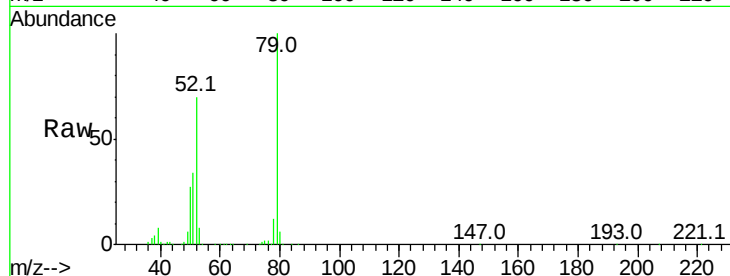




#3
 Pvridine
 Concen: 12.31 ng
 RT: 3.09 min Scan# 88
 Delta R.T. 0.07 min
 Lab File: BF091649.D
 Acq: 16 Dec 2016 00:50

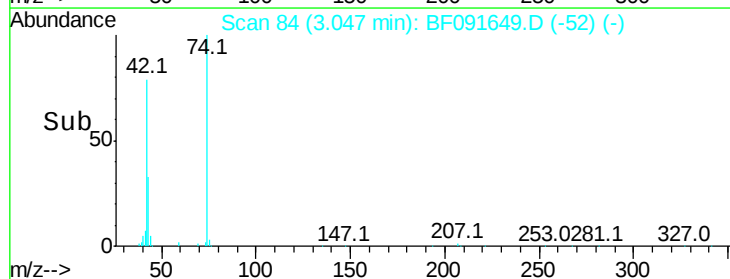
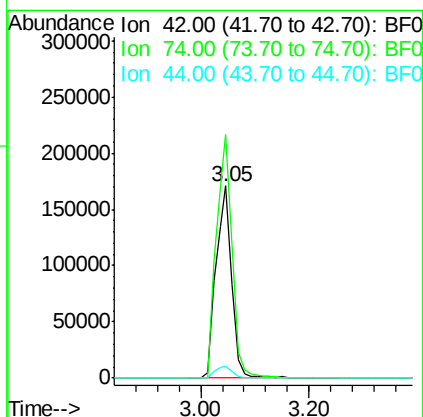
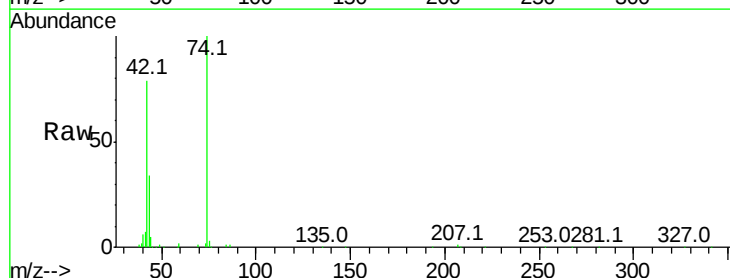
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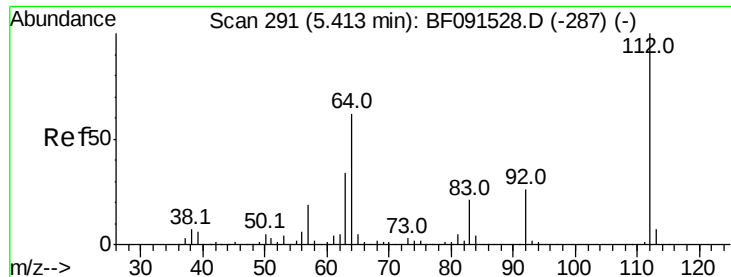
Tot Ion: 79 Resp: 723989
 Ion Ratio Lower Upper
 79 100
 52 70.2 71.0 106.4#
 51 34.3 37.0 55.4#



#4
 n-Nitrosodimethylamine
 Concen: 13.97 ng
 RT: 3.05 min Scan# 84
 Delta R.T. 0.07 min
 Lab File: BF091649.D
 Acq: 16 Dec 2016 00:50

Tgt Ion: 42 Resp: 352930
 Ion Ratio Lower Upper
 42 100
 74 126.8 78.9 118.3#
 44 6.2 5.8 8.6

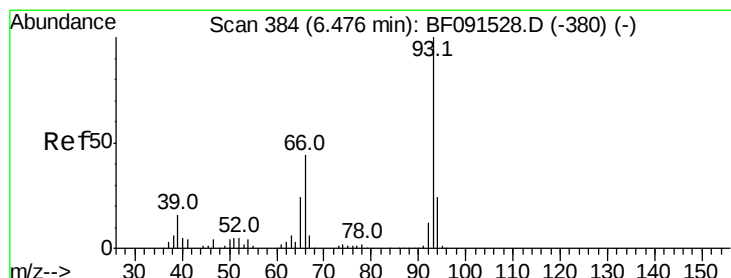
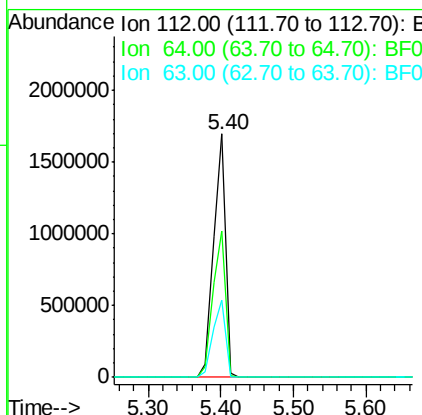
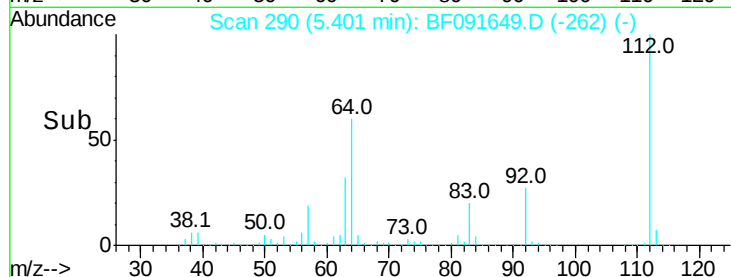
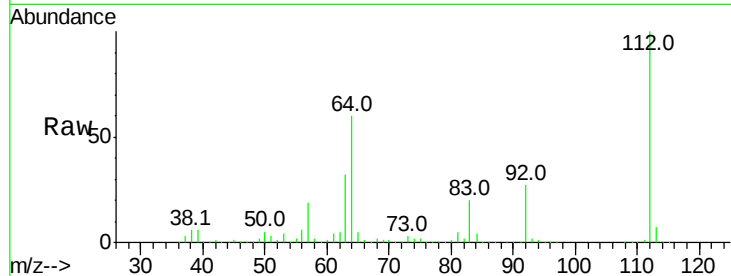




#5
 2-Fluorophenol
 Concen: 46.14 ng
 RT: 5.40 min Scan# 290
 Delta R.T. 0.02 min
 Lab File: BF091649.D
 Acq: 16 Dec 2016 00:50

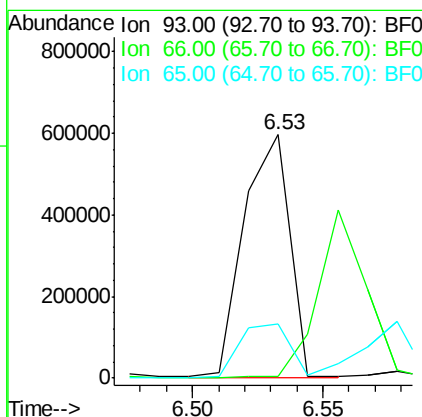
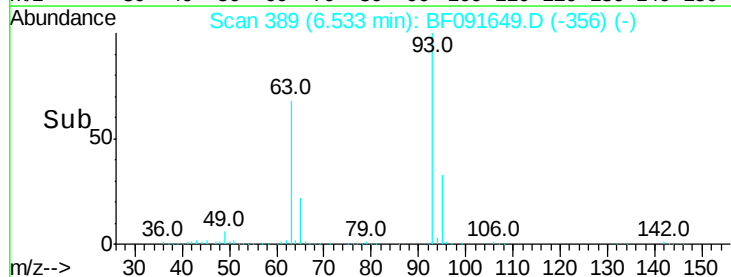
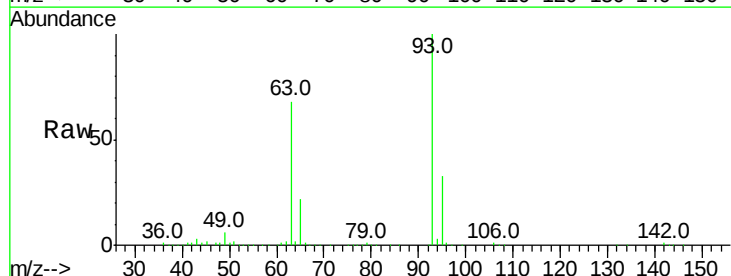
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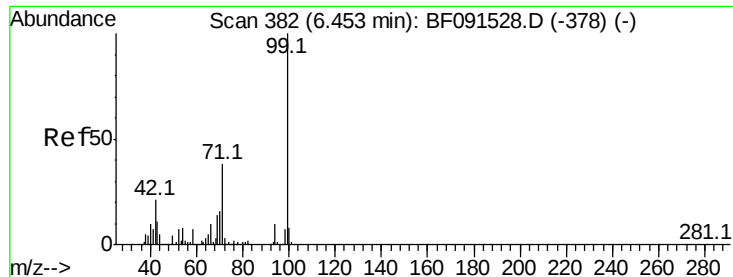
Tot Ion: 112 Resp: 1929677
 Ion Ratio Lower Upper
 112 100
 64 60.0 61.5 92.3#
 63 31.6 33.3 49.9#



#6
 Aniline
 Concen: 10.82 ng
 RT: 6.53 min Scan# 389
 Delta R.T. 0.08 min
 Lab File: BF091649.D
 Acq: 16 Dec 2016 00:50

Tgt Ion: 93 Resp: 739871
 Ion Ratio Lower Upper
 93 100
 66 0.8 55.8 83.6#
 65 22.3 29.9 44.9#





#7

Phenol-d6

Concen: 43.42 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.01 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

Instrument :

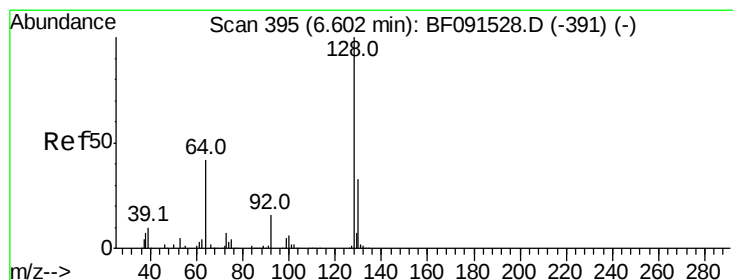
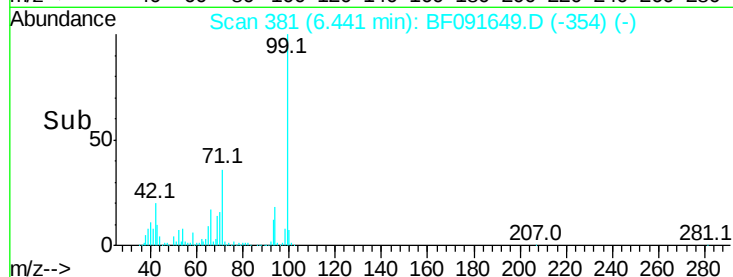
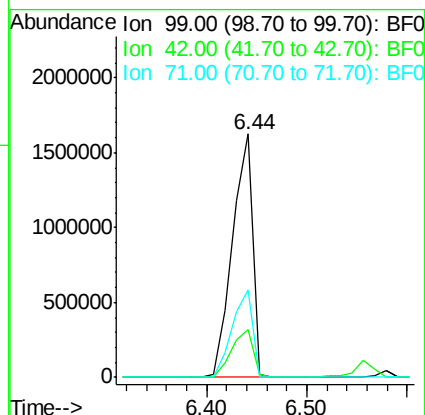
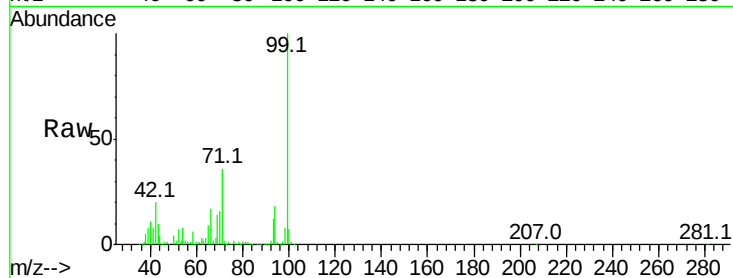
BNA_F

ClientSampleId :

IDW-SOIL-01MS

Tot Ion: 99 Resp: 2263891

Ion	Ratio	Lower	Upper
99	100		
42	19.7	20.6	31.0#
71	35.8	29.9	44.9



#8

2-Chlorophenol

Concen: 15.83 ng

RT: 6.58 min Scan# 393

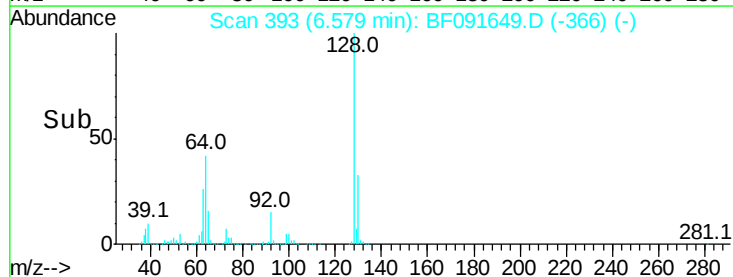
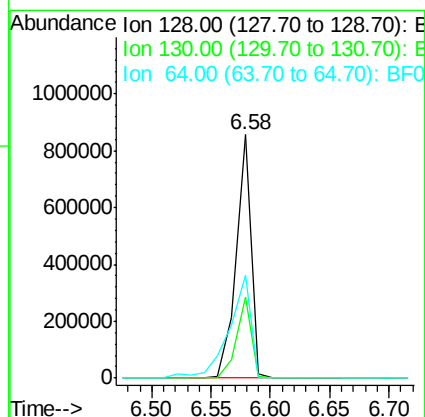
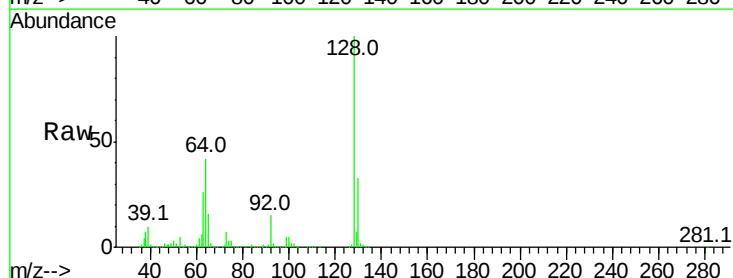
Delta R.T. 0.01 min

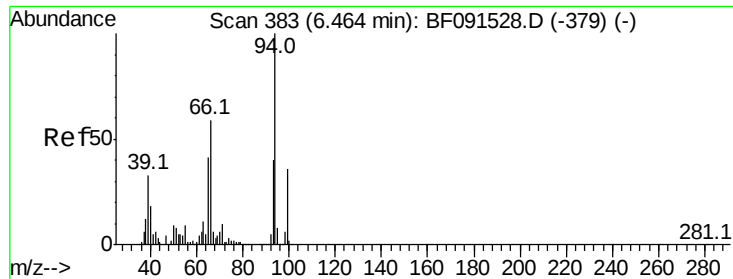
Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

Tgt Ion: 128 Resp: 747241

Ion	Ratio	Lower	Upper
128	100		
130	33.3	13.1	53.1
64	42.4	24.1	64.1





#10

Phenol

Concen: 17.60 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.01 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

Instrument :

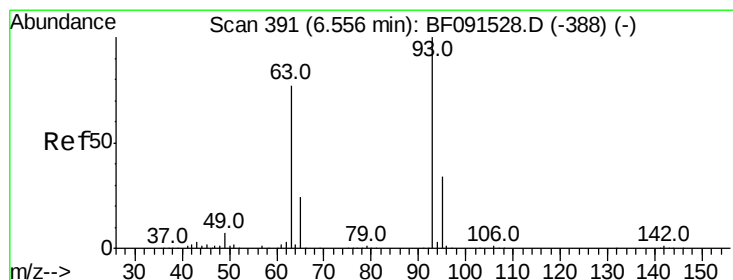
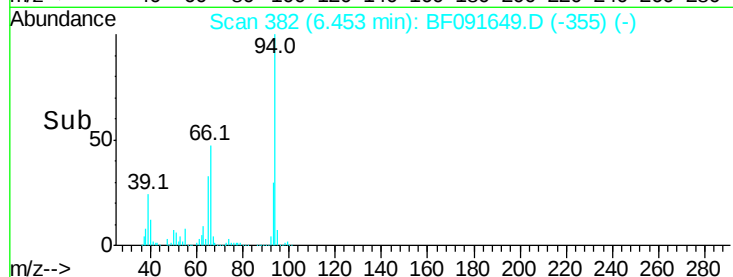
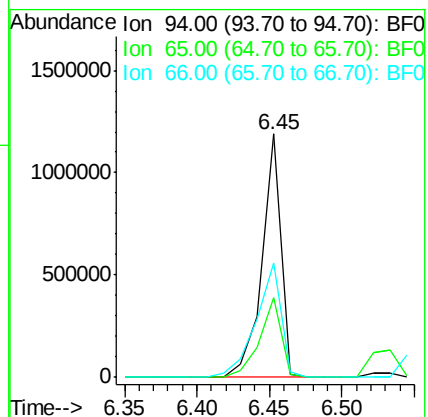
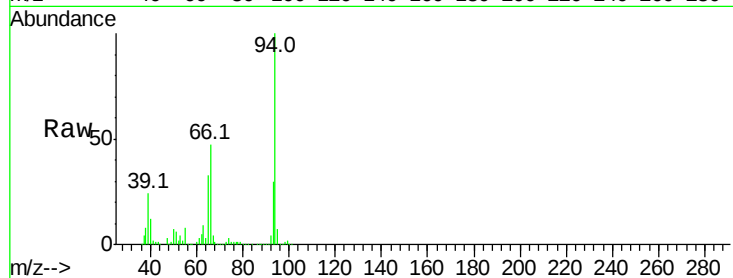
BNA_F

ClientSampleId :

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Tot Ion: 94 Resp: 1072676

Ion	Ratio	Lower	Upper
94	100		
65	33.0	16.9	56.9
66	47.0	30.6	70.6



#11

bis(2-Chloroethyl)ether

Concen: 16.16 ng

RT: 6.53 min Scan# 389

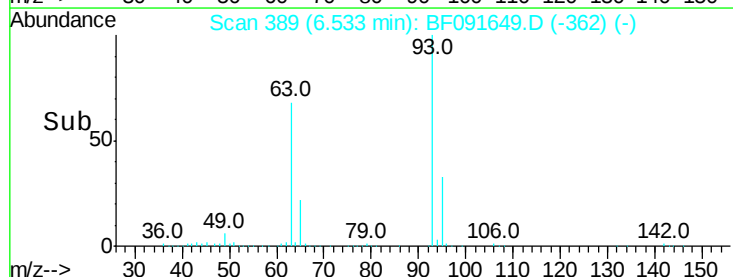
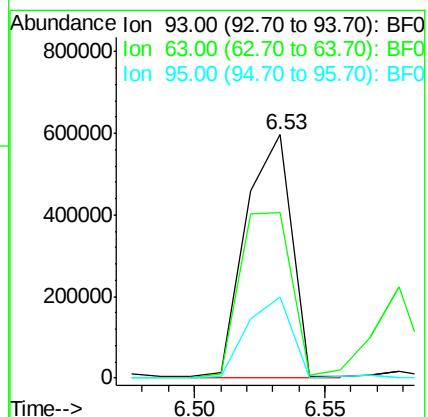
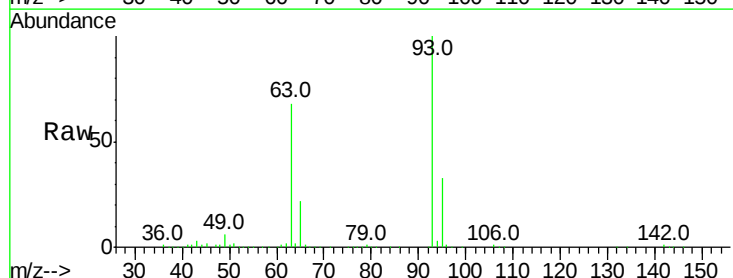
Delta R.T. 0.01 min

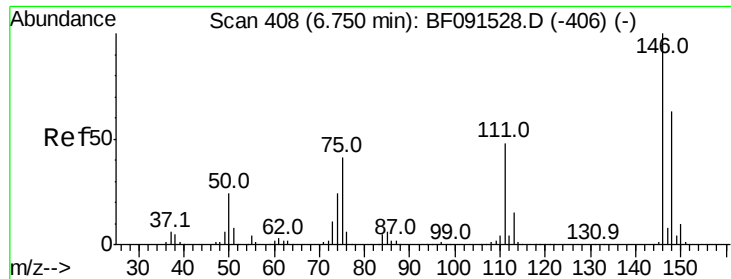
Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

Tgt Ion: 93 Resp: 739871

Ion	Ratio	Lower	Upper
93	100		
63	68.3	74.8	114.8#
95	33.4	12.4	52.4





#12

1,3-Dichlorobenzene

Concen: 14.49 ng

RT: 6.81 min Scan# 413

Delta R.T. 0.08 min

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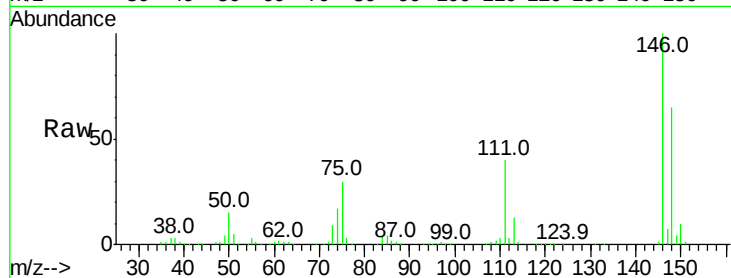
Tot Ion:146 Resp: 741812

Ion Ratio Lower Upper

146 100

148 64.6 51.4 77.0

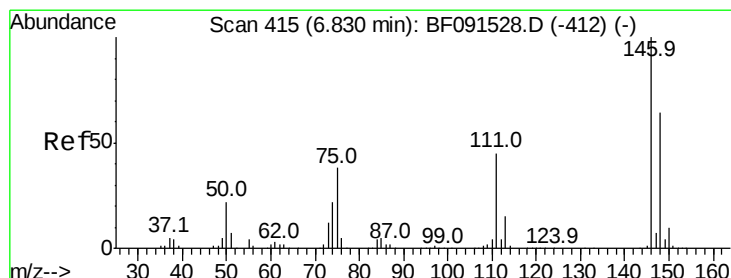
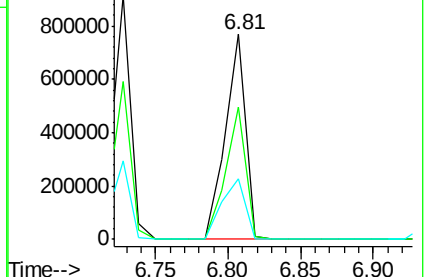
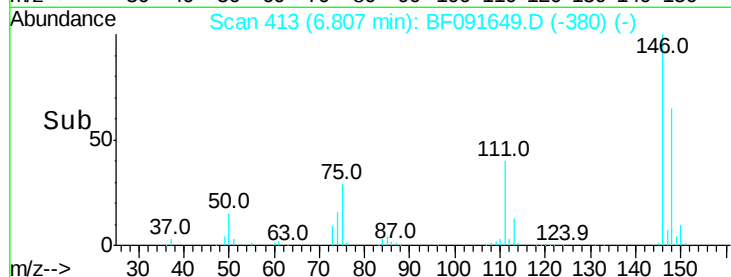
75 29.6 23.6 35.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 14.69 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.00 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

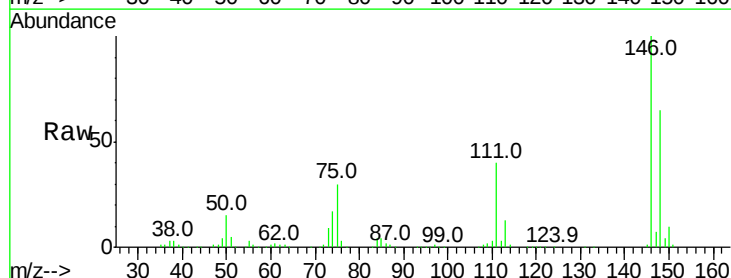
Tgt Ion:146 Resp: 741812

Ion Ratio Lower Upper

146 100

148 64.6 51.4 77.0

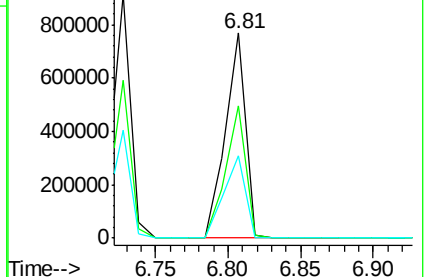
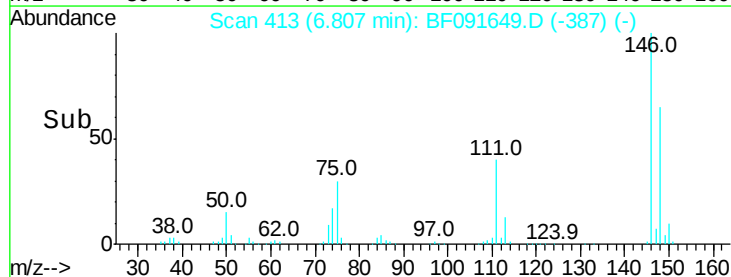
111 40.5 32.2 48.2

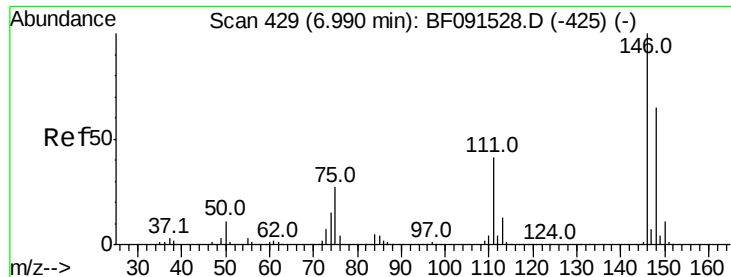


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

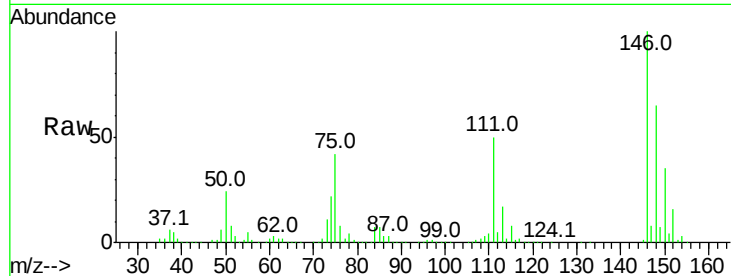




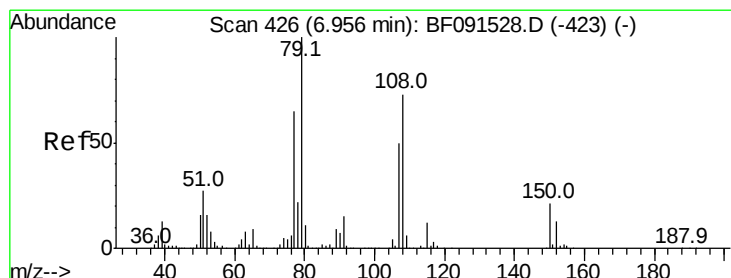
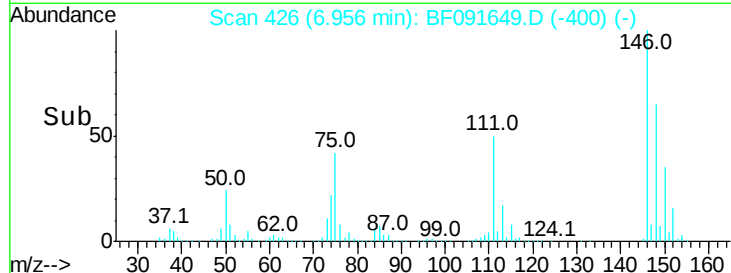
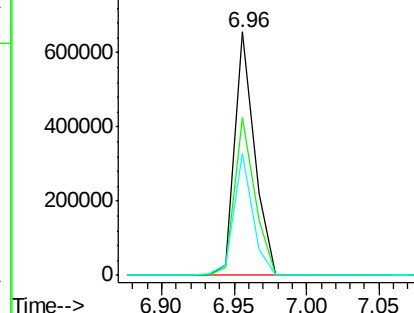
#14
 1,2-Dichlorobenzene
 Concen: 13.72 ng
 RT: 6.96 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: BF091649.D
 Acq: 16 Dec 2016 00:50

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MS

Tot Ion:146 Resp: 624376
 Ion Ratio Lower Upper
 146 100
 148 64.6 51.0 76.6
 111 50.3 38.9 58.3

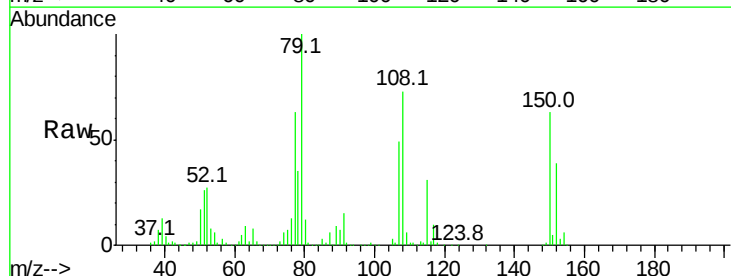


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

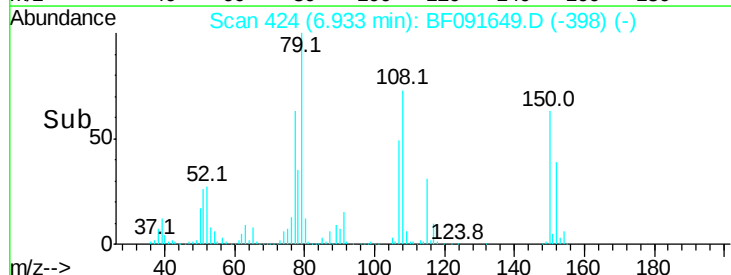
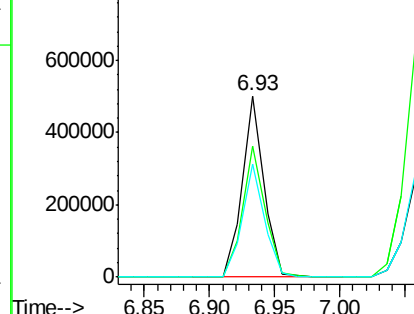


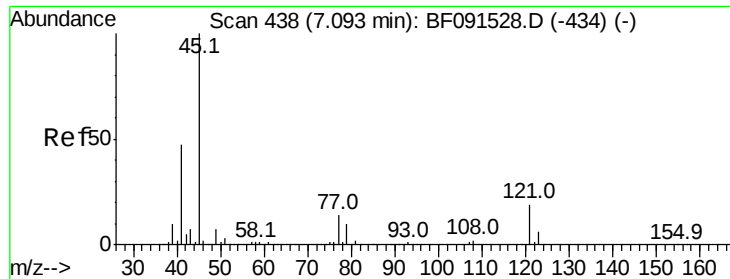
#15
 Benzyl Alcohol
 Concen: 13.92 ng
 RT: 6.93 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: BF091649.D
 Acq: 16 Dec 2016 00:50

Tgt Ion: 79 Resp: 573155
 Ion Ratio Lower Upper
 79 100
 108 72.6 62.7 94.1
 77 62.6 51.7 77.5



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

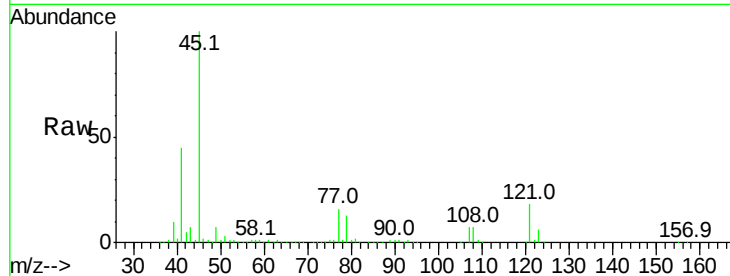




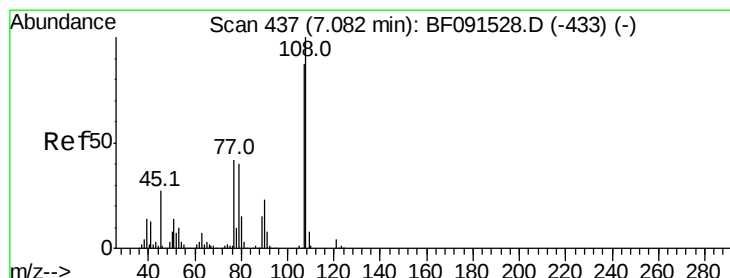
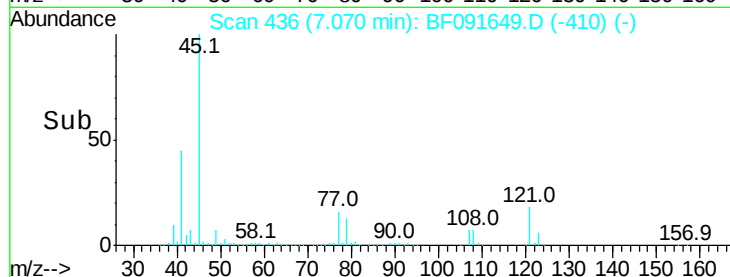
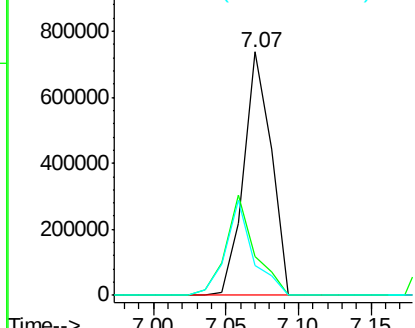
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 13.66 ng
RT: 7.07 min Scan# 436
Delta R.T. -0.00 min
Lab File: BF091649.D
Acq: 16 Dec 2016 00:50

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MS

Tot Ion: 45 Resp: 969551
Ion Ratio Lower Upper
45 100
77 15.7 3.8 43.8
79 12.5 0.2 40.2

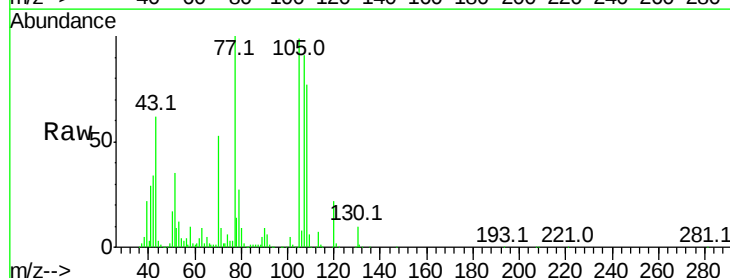


Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

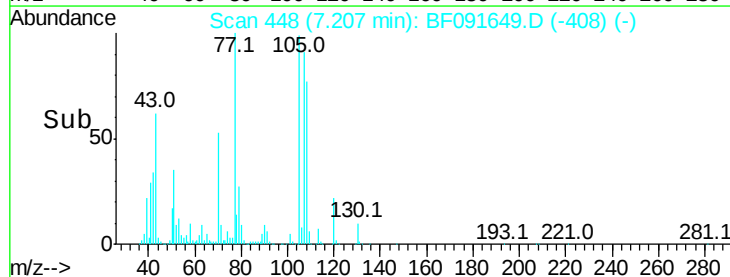
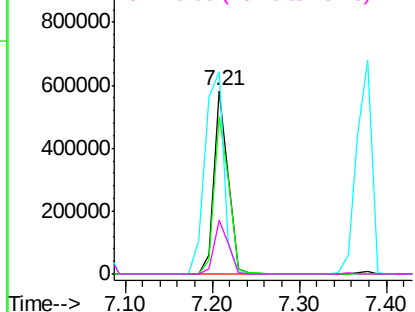


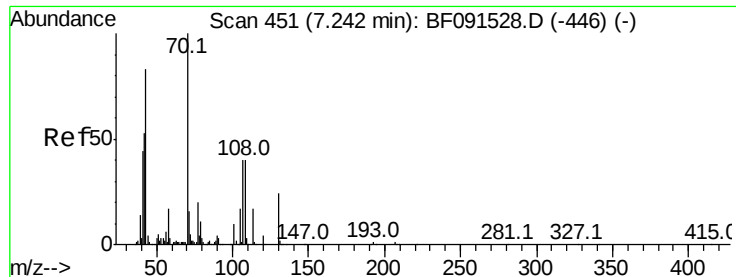
#17
2-Methylphenol
Concen: 17.28 ng
RT: 7.21 min Scan# 448
Delta R.T. 0.16 min
Lab File: BF091649.D
Acq: 16 Dec 2016 00:50

Tgt Ion:107 Resp: 674879
Ion Ratio Lower Upper
107 100
108 85.4 67.7 101.5
77 110.4 40.7 61.1#
79 29.3 23.4 35.2



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

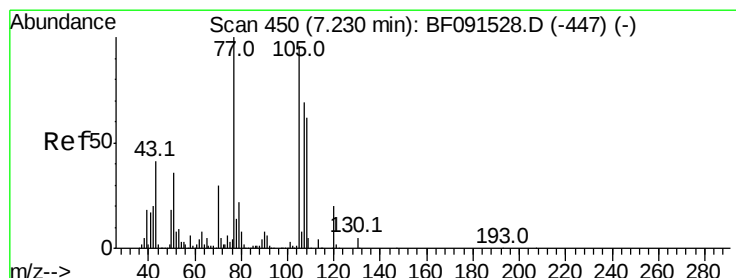
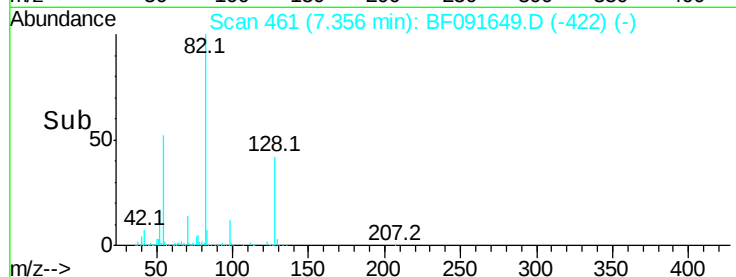
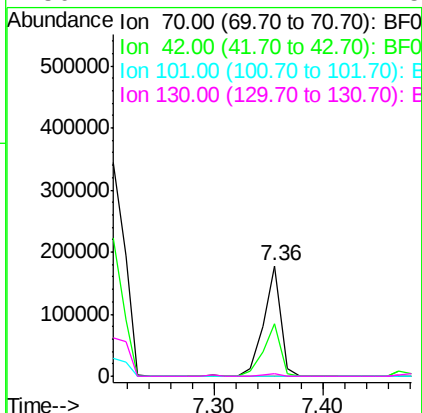
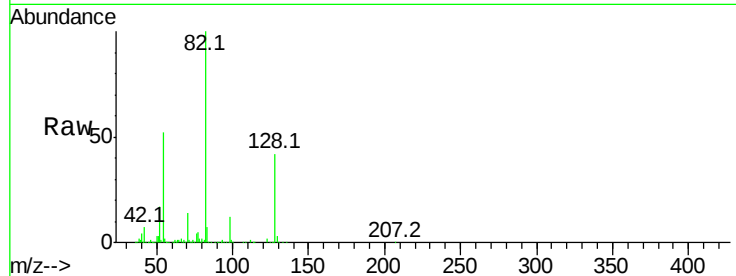




#19
n-Nitroso-di-n-propylamine
Concen: 6.05 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.15 min
Lab File: BF091649.D
Acq: 16 Dec 2016 00:50

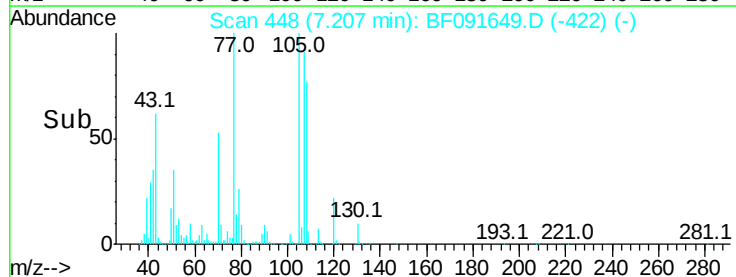
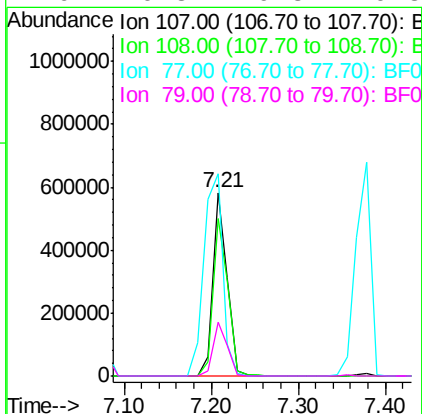
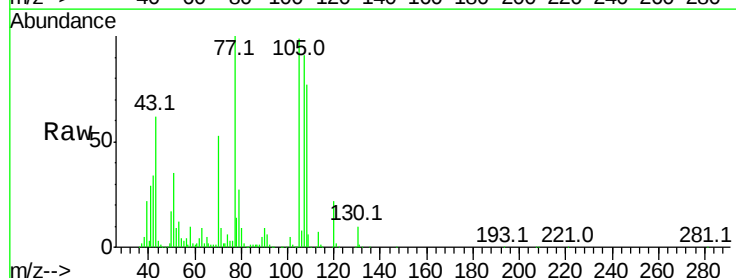
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MS

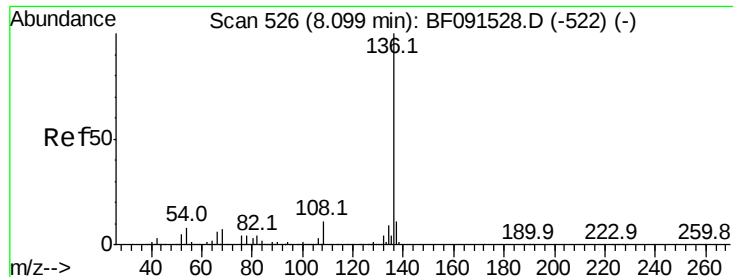
Tot Ion: 70 Resp: 197150
Ion Ratio Lower Upper
70 100
42 47.9 64.8 97.2#
101 0.0 6.2 9.4#
130 2.1 11.7 17.5#



#20
3+4-Methylphenols
Concen: 13.83 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.00 min
Lab File: BF091649.D
Acq: 16 Dec 2016 00:50

Tgt Ion:107 Resp: 674879
Ion Ratio Lower Upper
107 100
108 85.4 64.6 104.6
77 110.4 30.9 70.9#
79 29.3 9.3 49.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.40 min Scan# 552

Delta R.T. 0.32 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

Tot Ion:136 Resp: 425

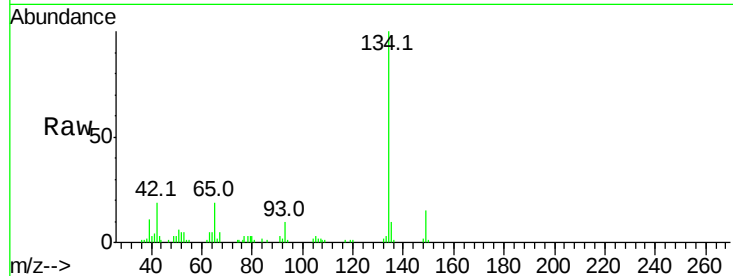
Ion Ratio Lower Upper

136 100

137 0.0 9.1 13.7#

54 194.5 9.1 13.7#

68 0.0 5.9 8.9#

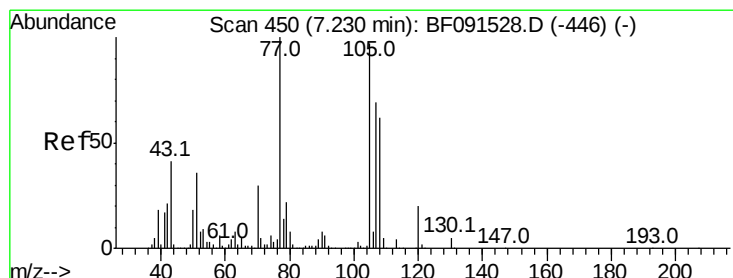
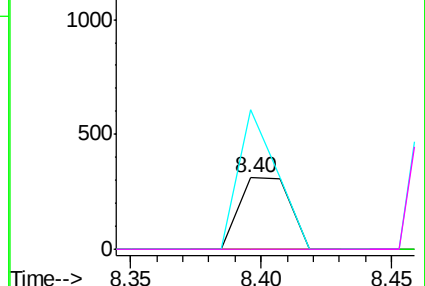
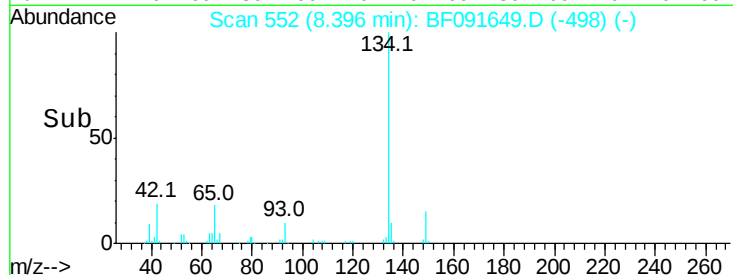


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 2343.28 ng

RT: 7.73 min Scan# 494

Delta R.T. 0.54 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

Tgt Ion:105 Resp: 23861

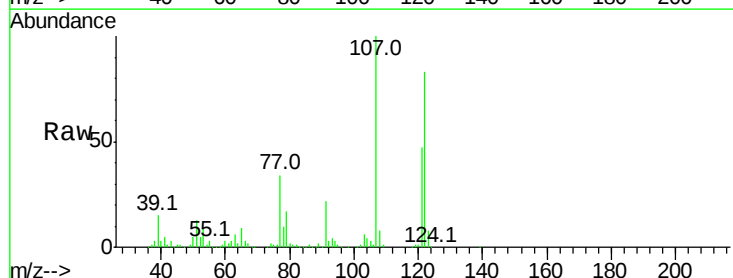
Ion Ratio Lower Upper

105 100

71 0.0 7.9 11.9#

51 407.8 24.5 36.7#

120 26.4 16.6 24.8#

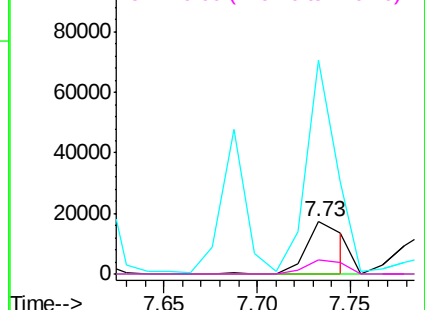
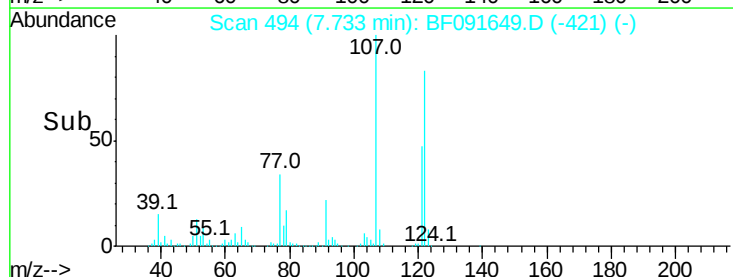


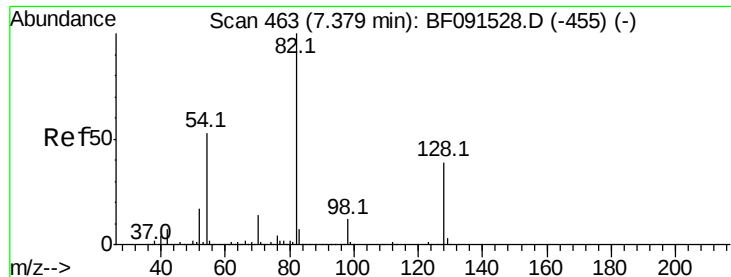
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

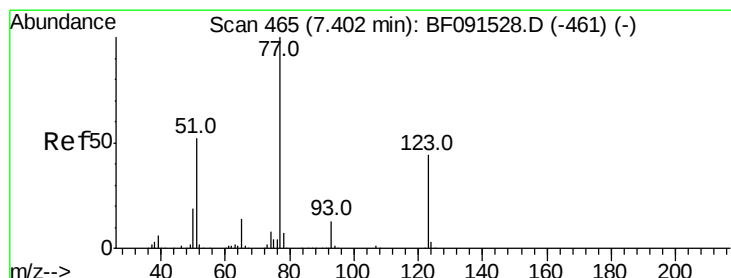
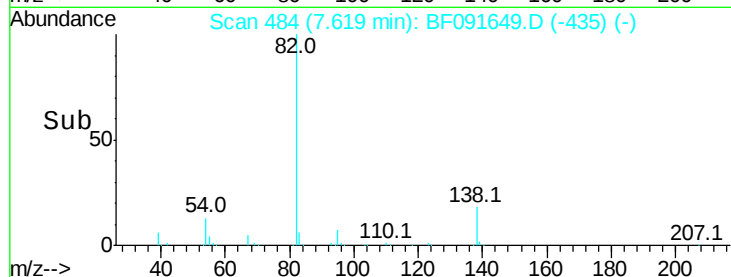
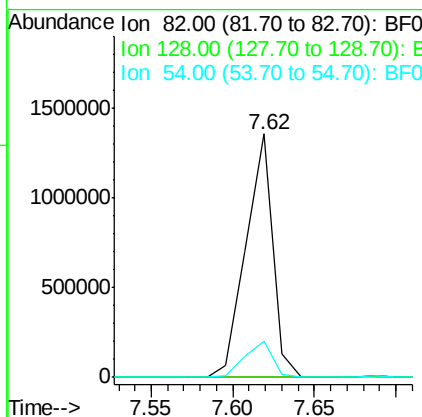
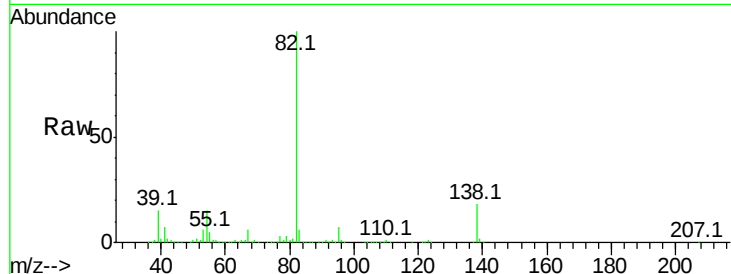




#23
 Nitrobenzene-d5
 Concen: 204491.03 ng
 RT: 7.62 min Scan# 484
 Delta R.T. 0.26 min
 Lab File: BF091649.D
 Acq: 16 Dec 2016 00:50

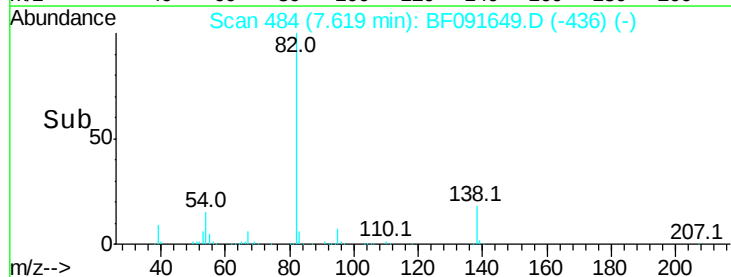
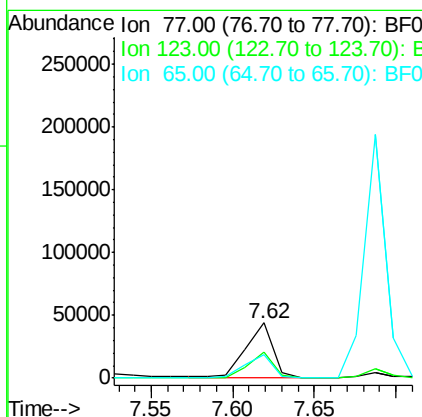
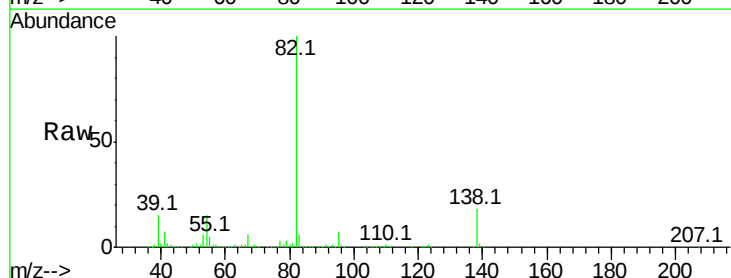
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MS

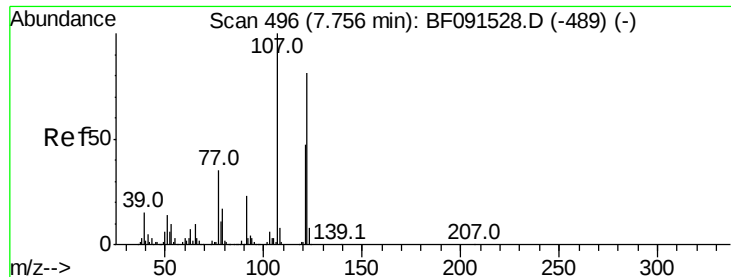
Tot Ion: 82 Resp: 1557147
 Ion Ratio Lower Upper
 82 100
 128 0.0 31.8 47.6#
 54 14.6 49.1 73.7#



#24
 Nitrobenzene
 Concen: 6305.89 ng
 RT: 7.62 min Scan# 484
 Delta R.T. 0.25 min
 Lab File: BF091649.D
 Acq: 16 Dec 2016 00:50

Tgt Ion: 77 Resp: 50733
 Ion Ratio Lower Upper
 77 100
 123 46.1 28.5 42.7#
 65 42.3 12.5 18.7#

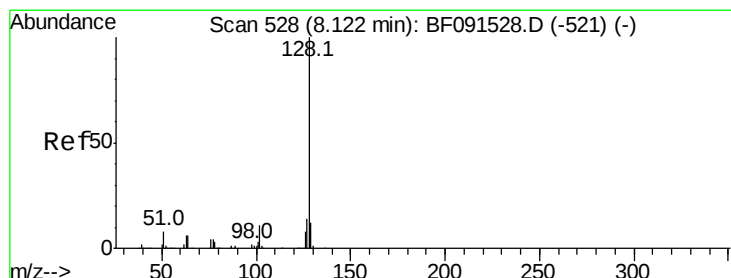
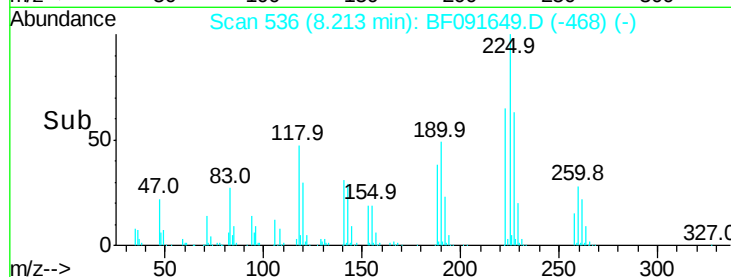
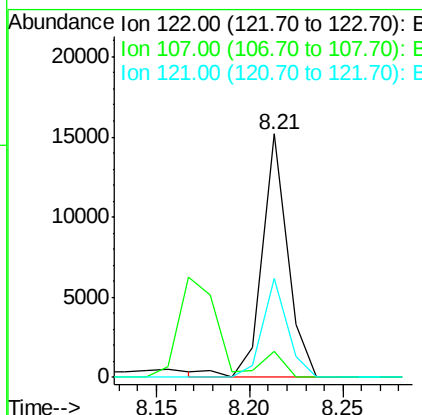
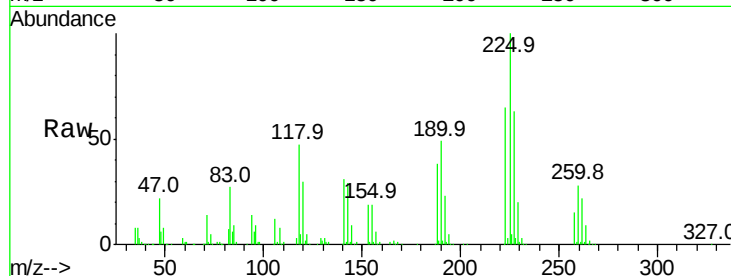




#27
2,4-Dimethylphenol
Concen: 2285.00 ng
RT: 8.21 min Scan# 536
Delta R.T. 0.48 min
Lab File: BF091649.D
Acq: 16 Dec 2016 00:50

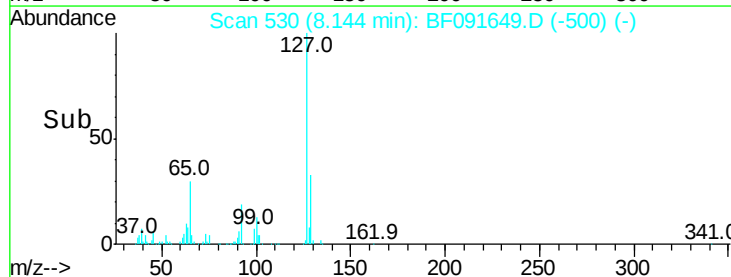
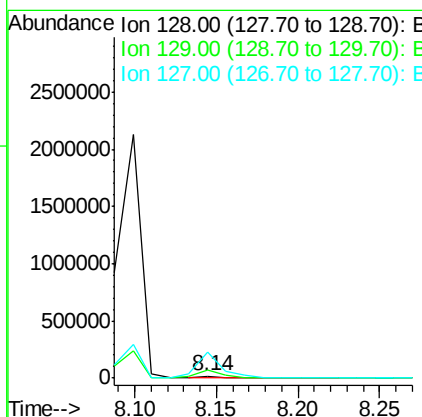
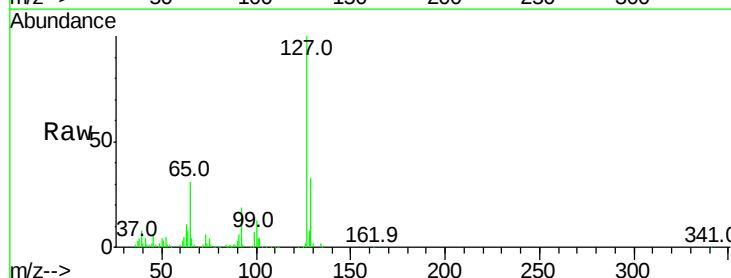
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MS

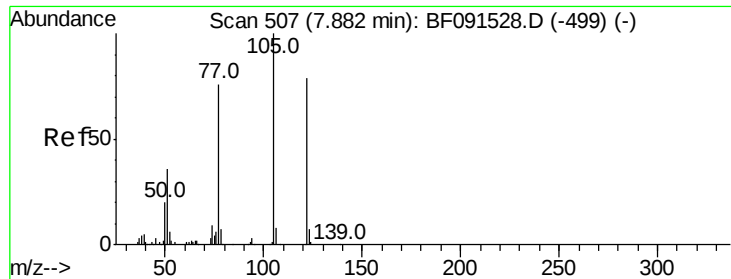
Tot Ion:122 Resp: 14251
Ion Ratio Lower Upper
122 100
107 10.8 96.8 145.2#
121 40.5 47.7 71.5#



#31
Naphthalene
Concen: 970.01 ng
RT: 8.14 min Scan# 530
Delta R.T. 0.05 min
Lab File: BF091649.D
Acq: 16 Dec 2016 00:50

Tgt Ion:128 Resp: 19181
Ion Ratio Lower Upper
128 100
129 396.2 9.1 13.7#
127 1205.3 11.0 16.4#





#32

Benzoic acid

Concen: 2864.22 ng

RT: 8.21 min Scan# 536

Delta R.T. 0.35 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

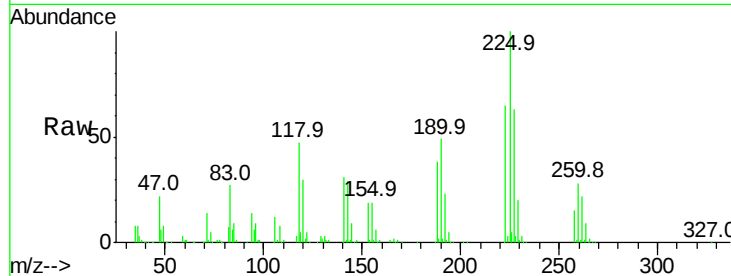
Tot Ion:122 Resp: 14251

Ion Ratio Lower Upper

122 100

105 3.4 113.0 153.0#

77 17.7 82.0 122.0#

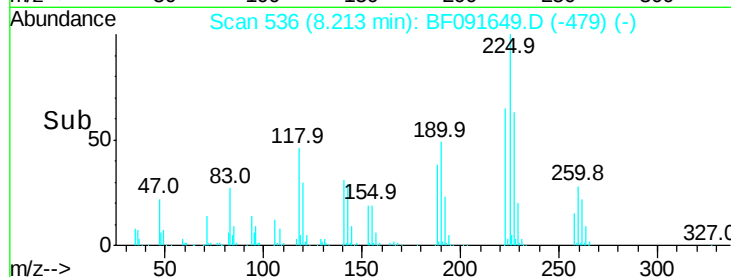


Abundance Ion 122.00 (121.70 to 122.70): E

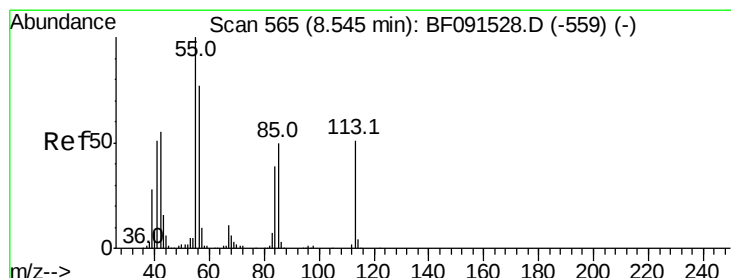
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

Time-->



Time-->



#35

Caprolactam

Concen: 18682.93 ng

RT: 8.89 min Scan# 595

Delta R.T. 0.37 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

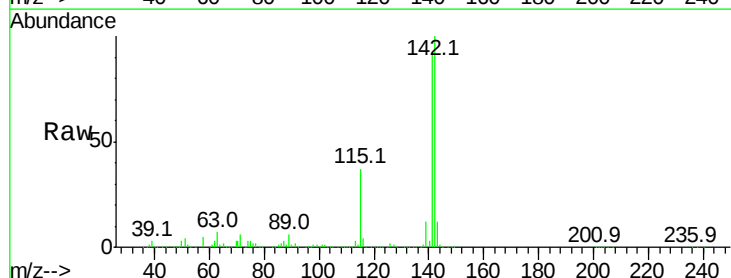
Tgt Ion:113 Resp: 29606

Ion Ratio Lower Upper

113 100

55 11.2 239.8 279.8#

56 0.0 165.6 205.6#

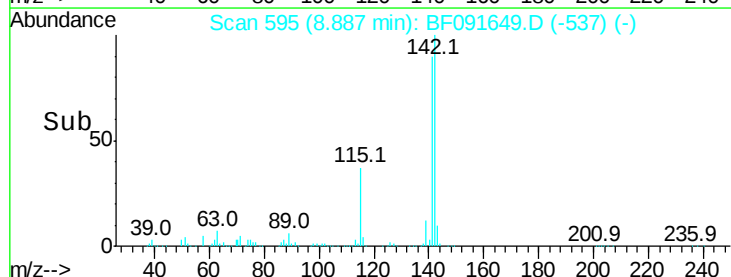


Abundance Ion 113.00 (112.70 to 113.70): E

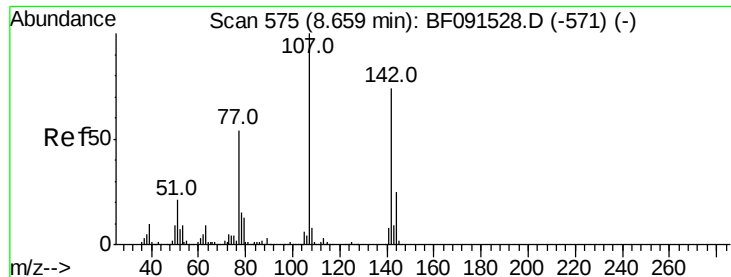
Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

Time-->



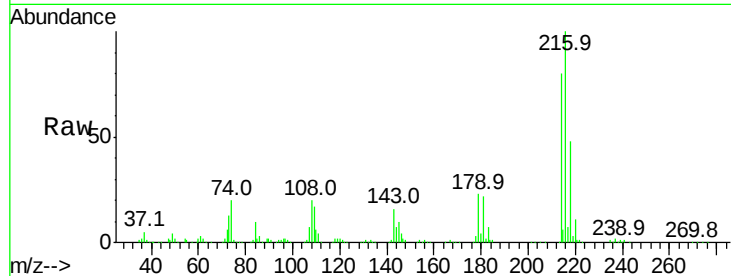
Time-->



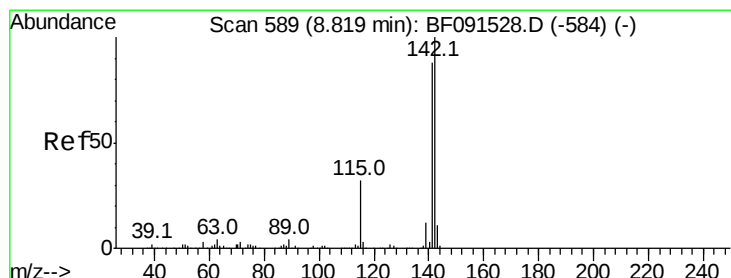
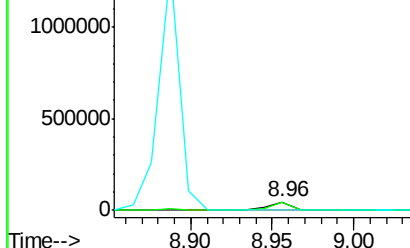
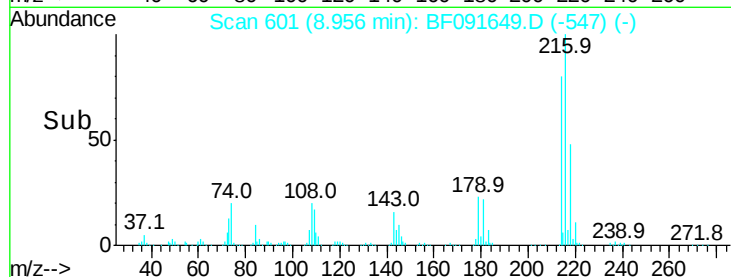
#36
 4-Chloro-3-methylphenol
 Concen: 7285.86 ng
 RT: 8.96 min Scan# 601
 Delta R.T. 0.32 min
 Lab File: BF091649.D
 Acq: 16 Dec 2016 00:50

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MS

Tot Ion:107 Resp: 44339
 Ion Ratio Lower Upper
 107 100
 144 102.4 18.9 28.3#
 142 11.8 58.5 87.7#

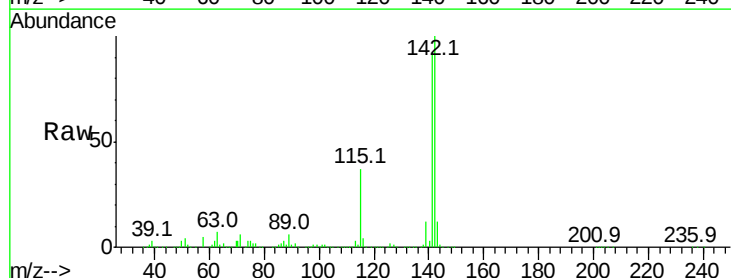


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

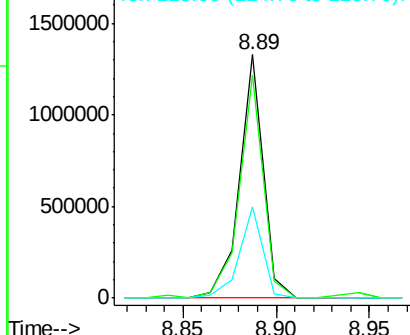
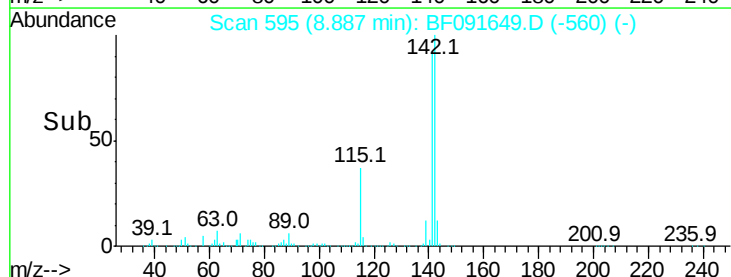


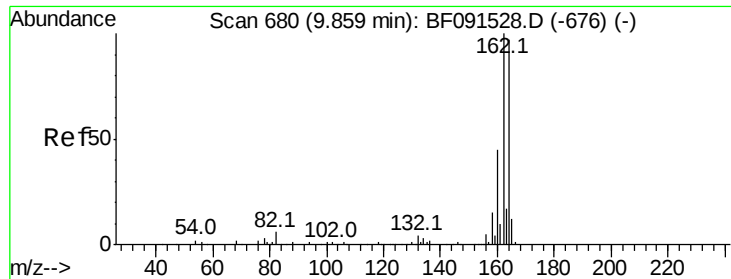
#37
 2-Methylnaphthalene
 Concen: 92212.16 ng
 RT: 8.89 min Scan# 595
 Delta R.T. 0.10 min
 Lab File: BF091649.D
 Acq: 16 Dec 2016 00:50

Tgt Ion:142 Resp: 1180181
 Ion Ratio Lower Upper
 142 100
 141 91.7 71.7 107.5
 115 37.3 25.0 37.6



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.28 min Scan# 717

Delta R.T. 0.46 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

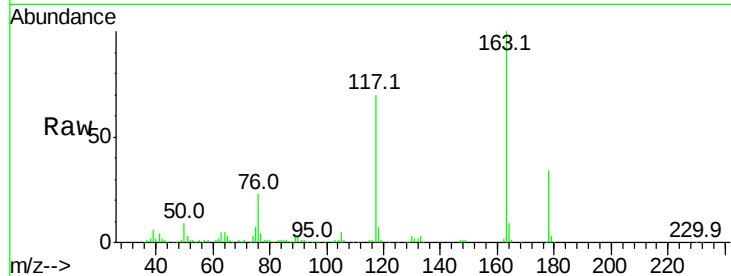
Tot Ion:164 Resp: 18642

Ion Ratio Lower Upper

164 100

162 21.8 82.6 124.0#

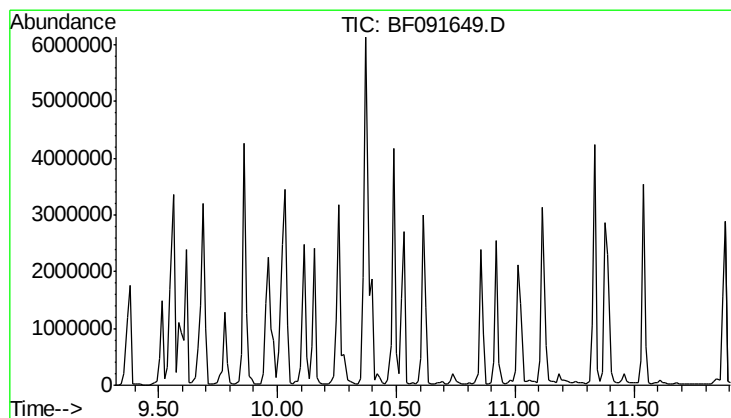
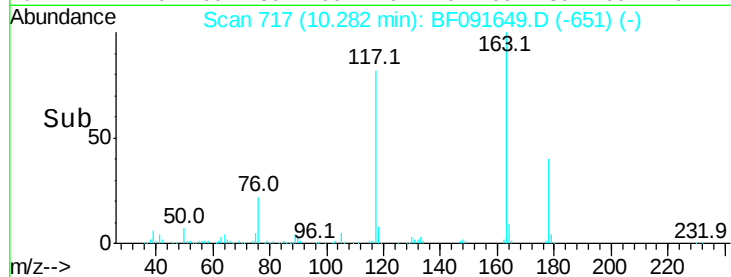
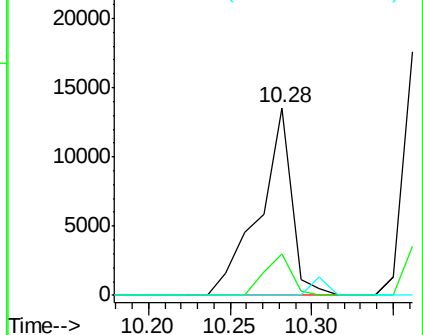
160 0.0 36.7 55.1#



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



#41

2,4,6-Tribromophenol

Concen: 0.00 ng

Expected RT: 10.61 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

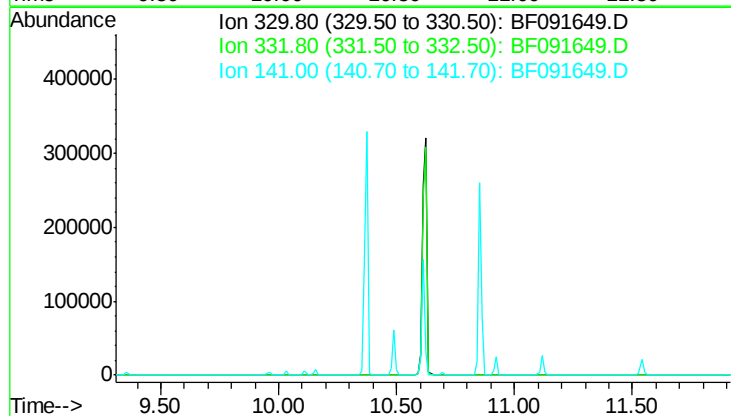
Tgt Ion: 330

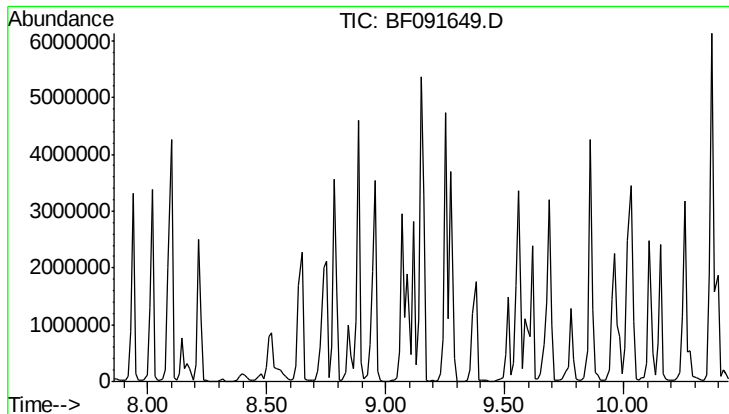
Sig Exp Ratio

330 100

332 95.3

141 42.0

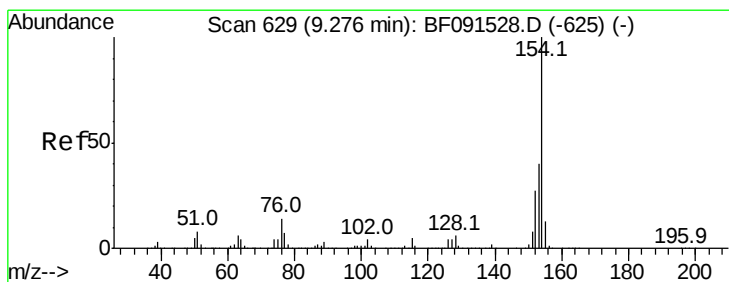
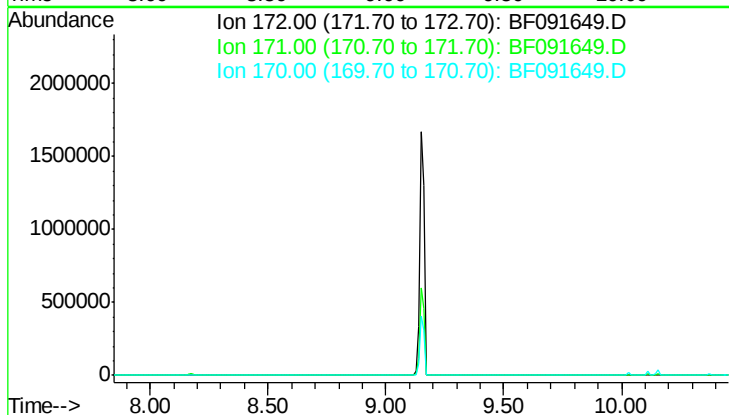




#44
 2-Fluorobiphenyl
 Concen: 0.00 ng
 Expected RT: 9.15 min
 Lab File: BF091649.D
 Acq: 16 Dec 2016 00:50

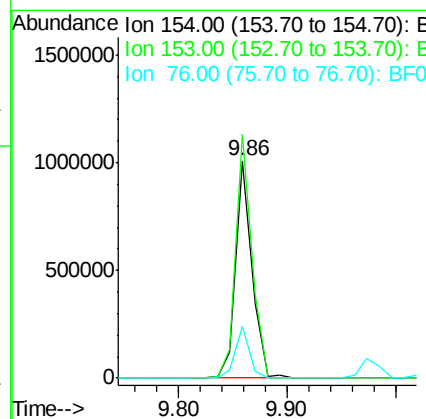
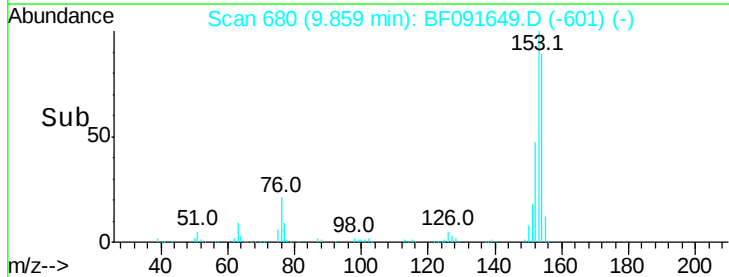
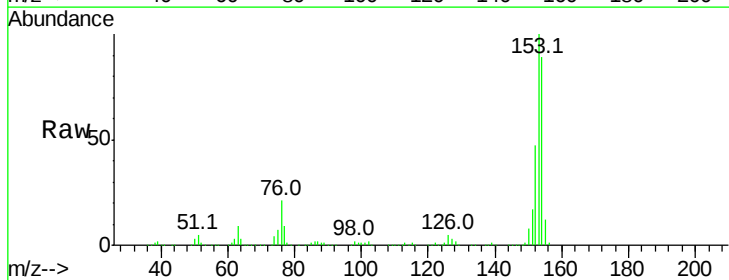
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MS

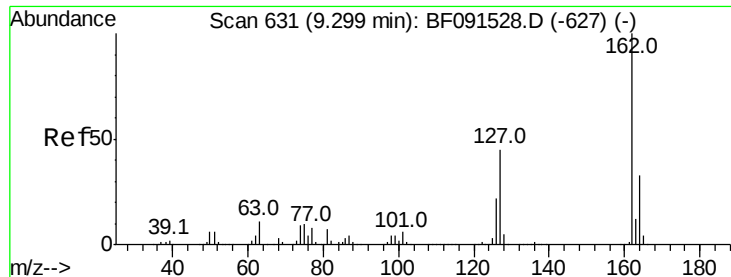
Tot Ion: 172
 Sig Exp Ratio
 172 100
 171 36.7
 170 24.6



#45
 1,1'-Biphenyl
 Concen: 767.23 ng
 RT: 9.86 min Scan# 680
 Delta R.T. 0.61 min
 Lab File: BF091649.D
 Acq: 16 Dec 2016 00:50

Tgt Ion: 154 Resp: 1035960
 Ion Ratio Lower Upper
 154 100
 153 112.0 20.6 60.6#
 76 23.9 0.0 36.6

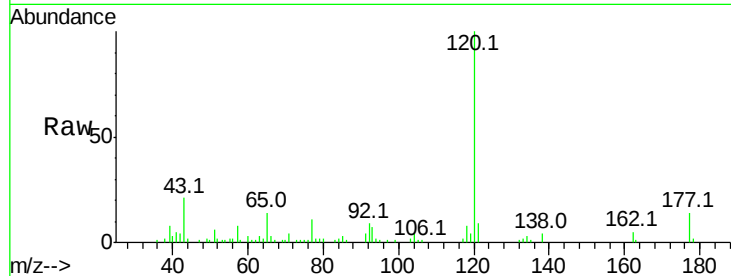




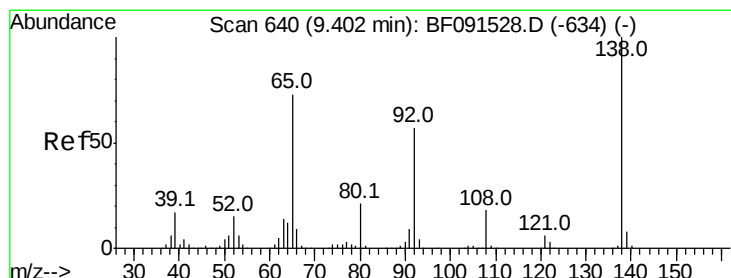
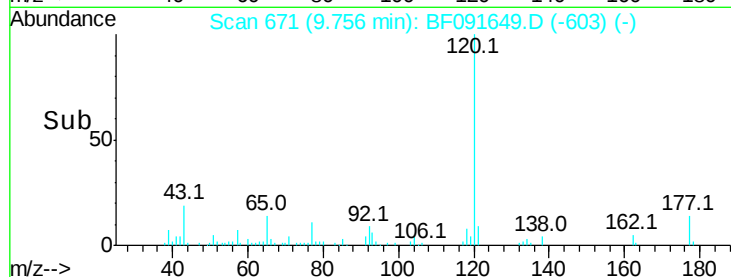
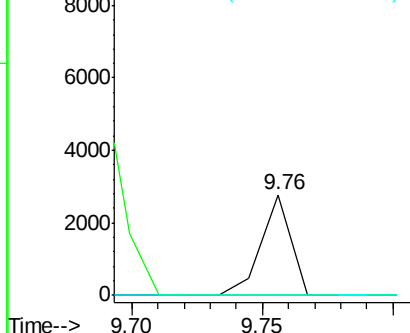
#46
2-Chloronaphthalene
Concen: 2.11 ng
RT: 9.76 min Scan# 671
Delta R.T. 0.48 min
Lab File: BF091649.D
Acq: 16 Dec 2016 00:50

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MS

Tot Ion:162 Resp: 2211
Ion Ratio Lower Upper
162 100
127 0.0 34.3 51.5#
164 0.0 26.6 40.0#

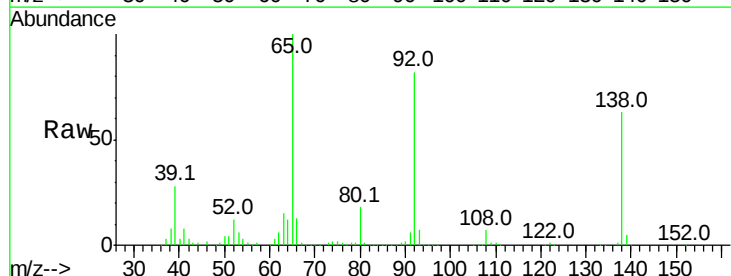


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

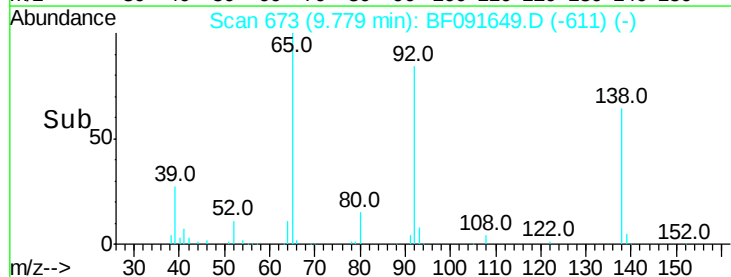
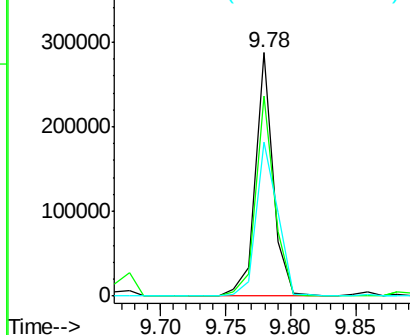


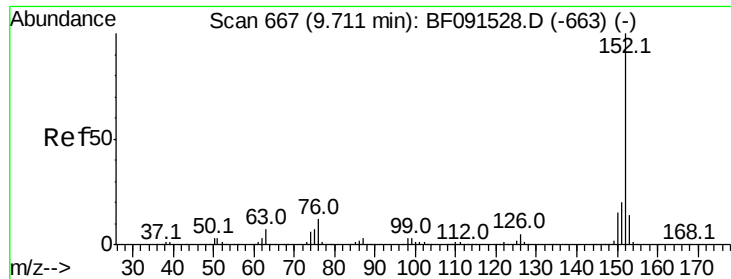
#47
2-Nitroaniline
Concen: 782.18 ng
RT: 9.78 min Scan# 673
Delta R.T. 0.41 min
Lab File: BF091649.D
Acq: 16 Dec 2016 00:50

Tgt Ion: 65 Resp: 275022
Ion Ratio Lower Upper
65 100
92 82.1 53.6 80.4#
138 63.2 91.0 136.6#



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





#48

Acenaphthylene

Concen: 306.40 ng

RT: 9.86 min Scan# 680

Delta R.T. 0.17 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

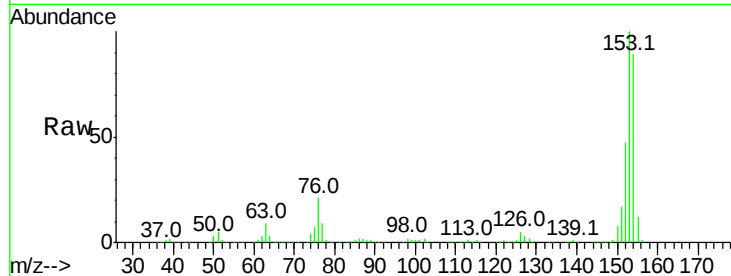
Tot Ion:152 Resp: 488369

Ion Ratio Lower Upper

152 100

151 37.2 16.6 24.8#

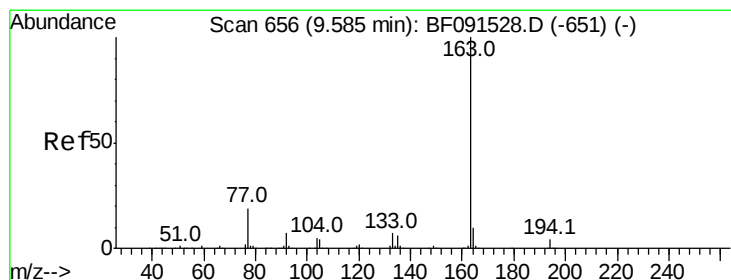
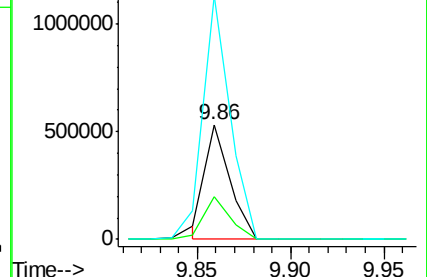
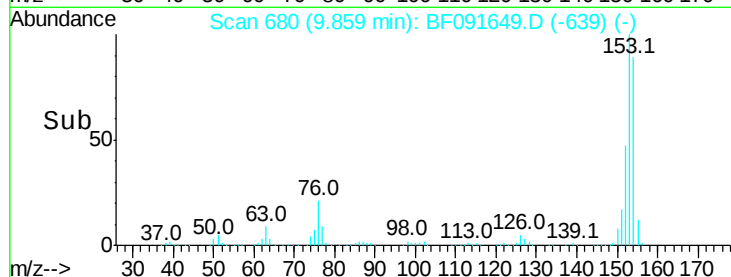
153 212.8 10.7 16.1#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 287.82 ng

RT: 9.98 min Scan# 691

Delta R.T. 0.42 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

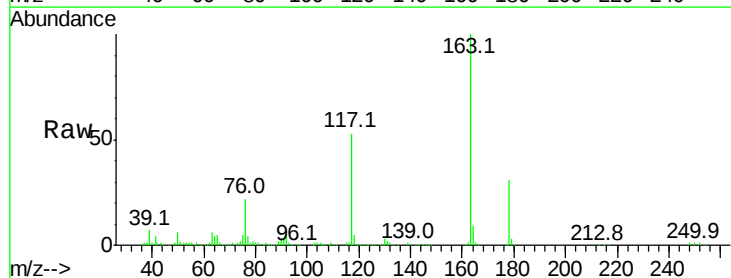
Tgt Ion:163 Resp: 339742

Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.4#

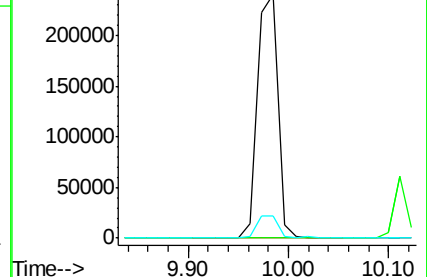
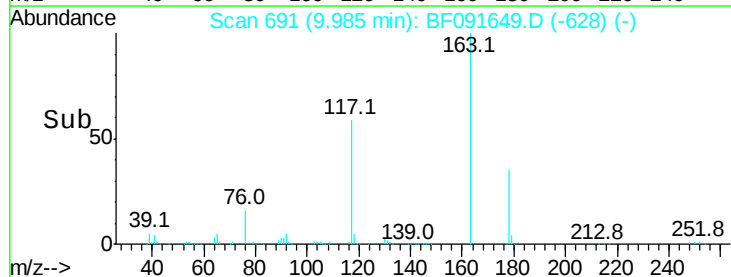
164 9.0 7.8 11.8

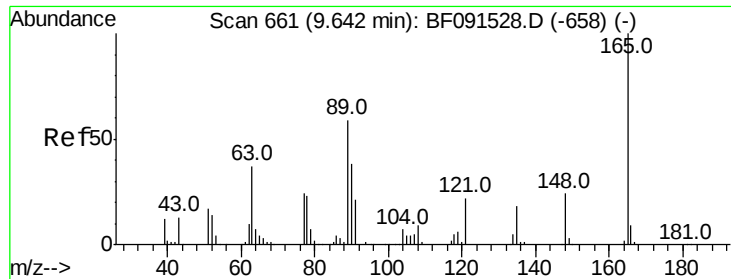


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 1327.05 ng

RT: 10.02 min Scan# 694

Delta R.T. 0.40 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

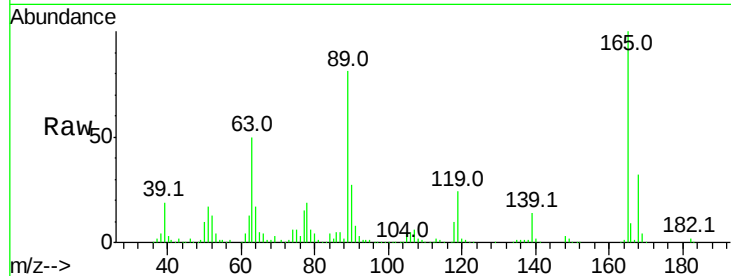
Tot Ion:165 Resp: 343809

Ion Ratio Lower Upper

165 100

63 50.3 59.4 89.0#

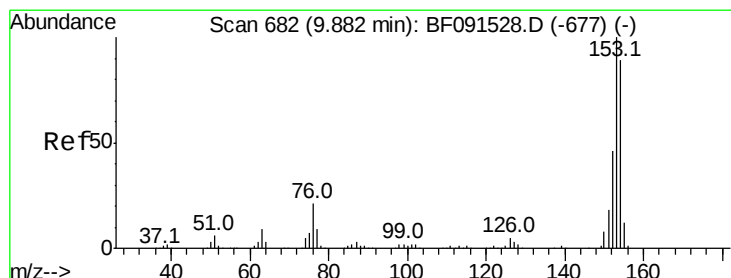
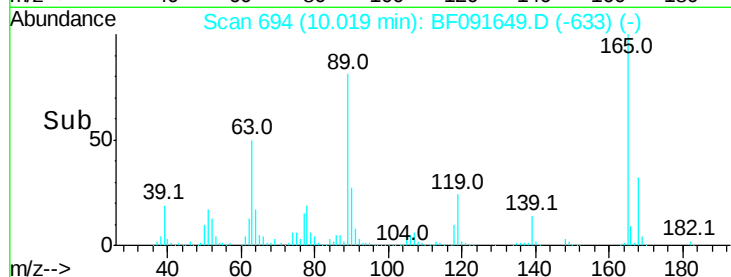
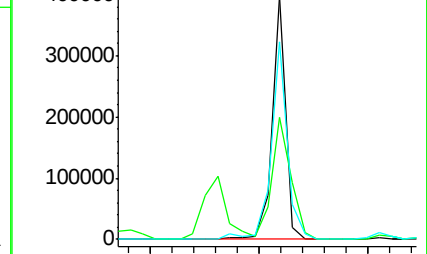
89 81.1 50.8 76.2#



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: 22.32 ng

RT: 10.49 min Scan# 735

Delta R.T. 0.63 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

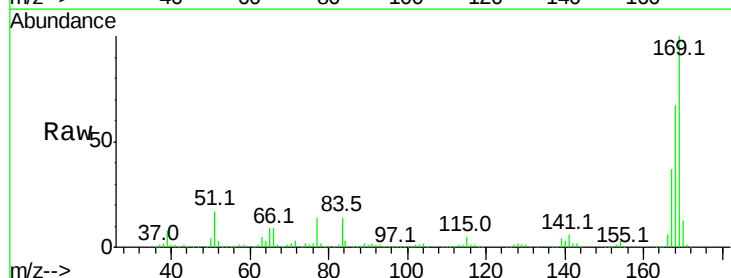
Tgt Ion:154 Resp: 24713

Ion Ratio Lower Upper

154 100

153 21.8 91.0 136.6#

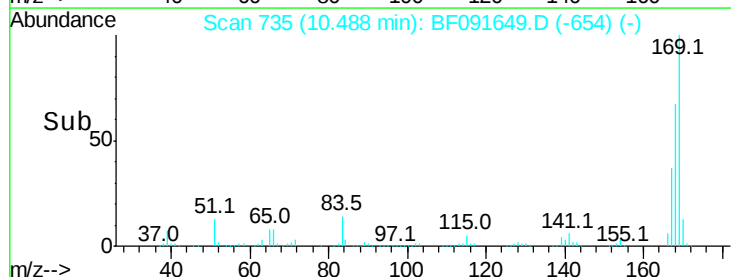
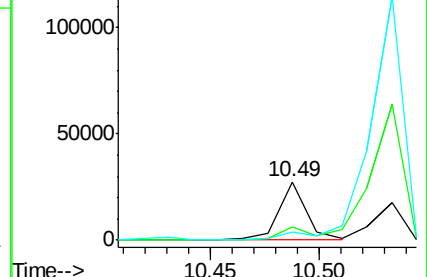
152 14.4 44.2 66.2#

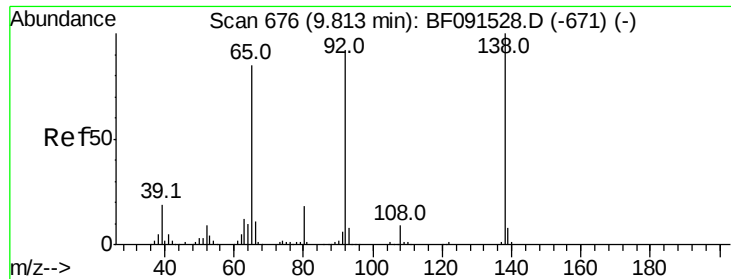


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 1017.45 ng

RT: 10.40 min Scan# 727

Delta R.T. 0.61 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

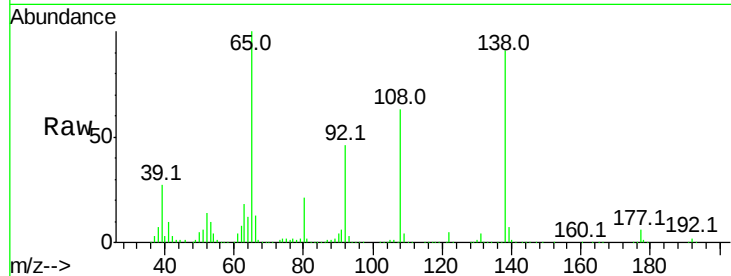
Tot Ion:138 Resp: 309653

Ion Ratio Lower Upper

138 100

108 69.0 8.1 12.1#

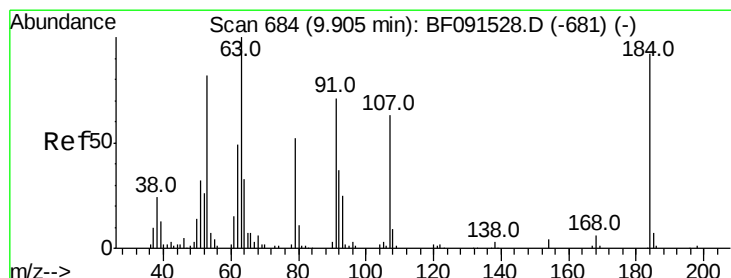
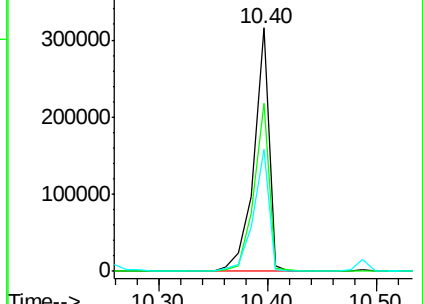
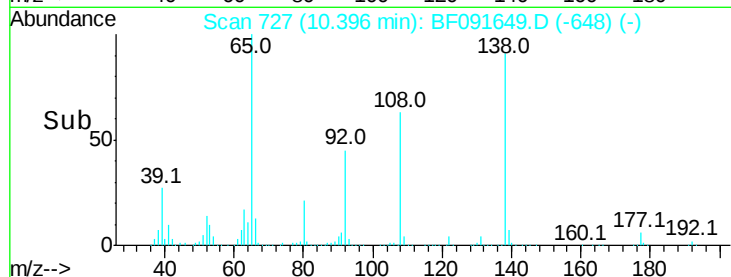
92 49.9 92.5 138.7#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#53

2,4-Dinitrophenol

Concen: 29.23 ng

RT: 10.53 min Scan# 739

Delta R.T. 0.64 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

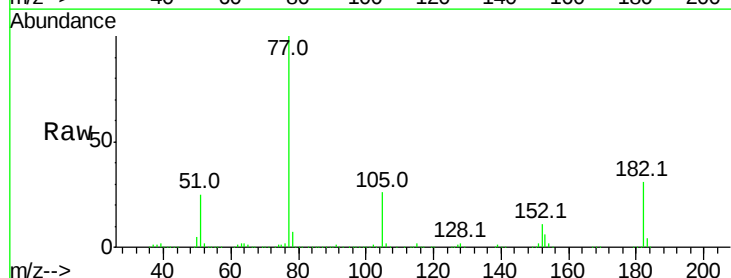
Tgt Ion:184 Resp: 3100

Ion Ratio Lower Upper

184 100

63 769.3 58.3 87.5#

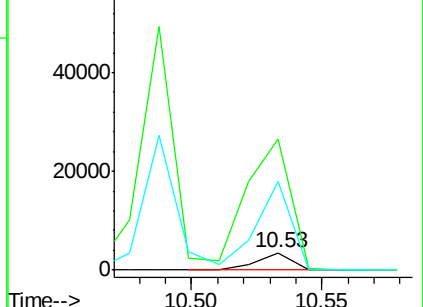
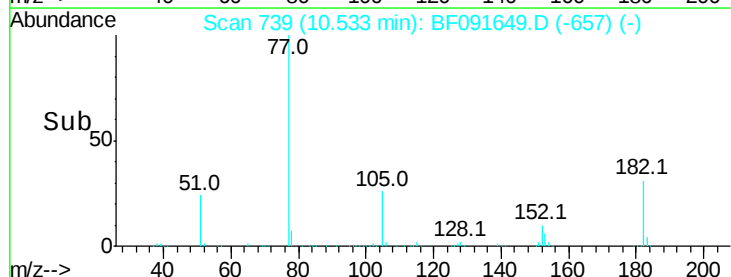
154 517.1 48.6 73.0#

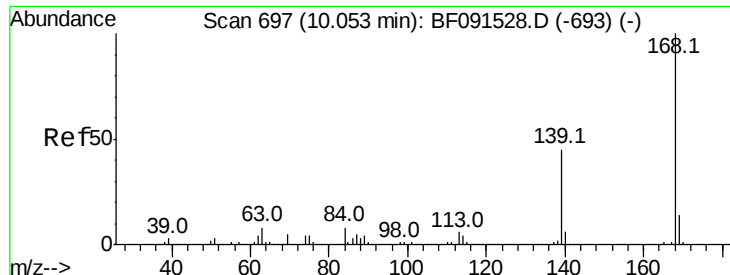


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 484.39 ng

RT: 10.49 min Scan# 735

Delta R.T. 0.46 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

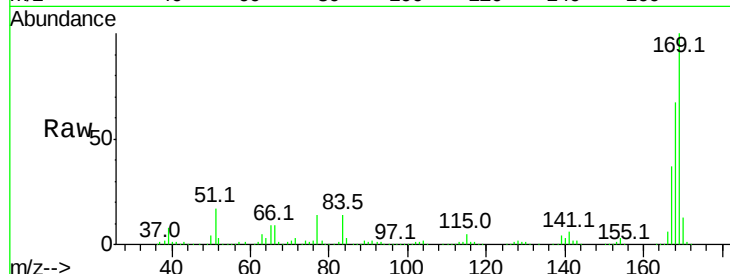
Tot Ion:168 Resp: 663456

Ion Ratio Lower Upper

168 100

139 5.7 33.4 50.2#

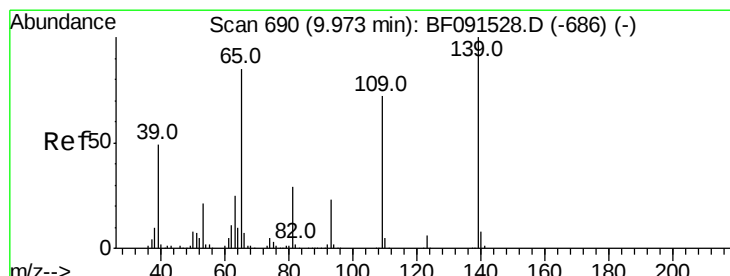
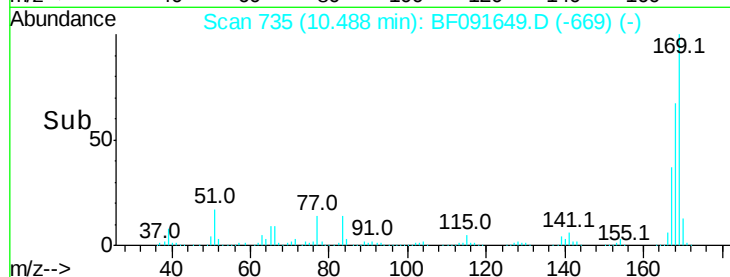
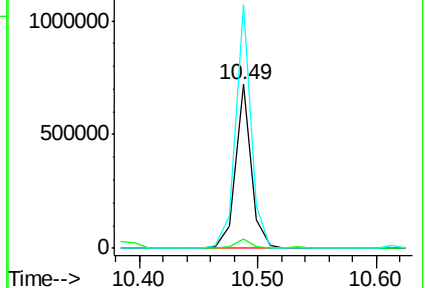
169 148.3 11.1 16.7#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 707.58 ng

RT: 10.37 min Scan# 725

Delta R.T. 0.42 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

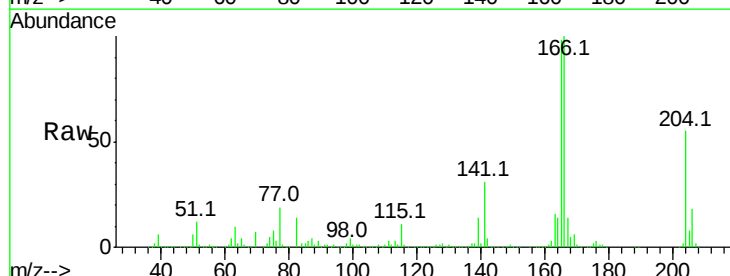
Tgt Ion:139 Resp: 160217

Ion Ratio Lower Upper

139 100

109 3.3 54.9 94.9#

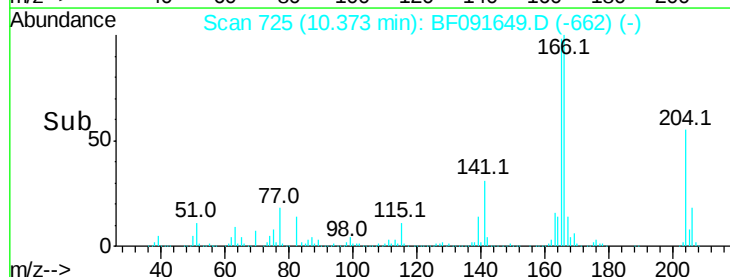
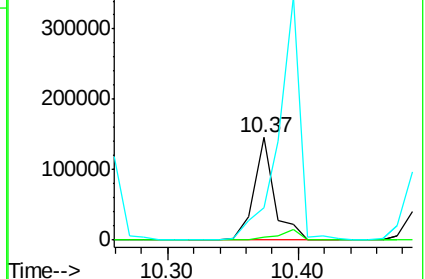
65 31.9 102.2 142.2#

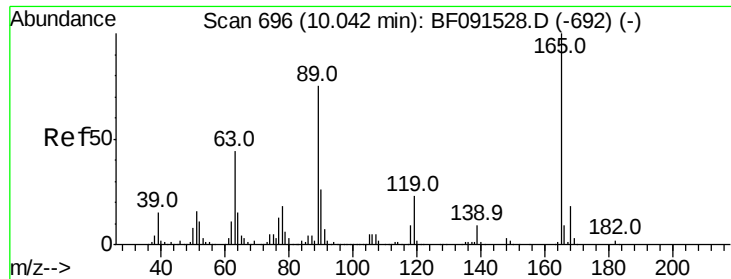


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

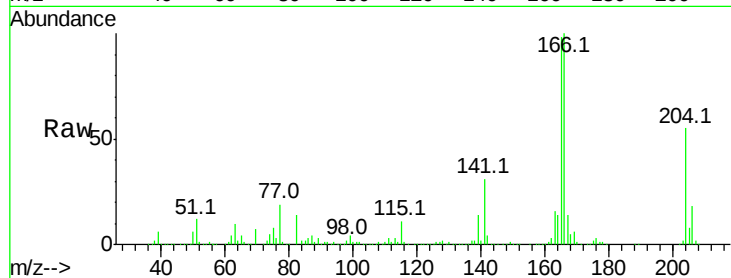




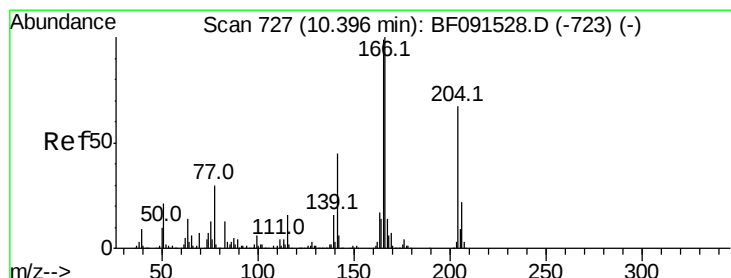
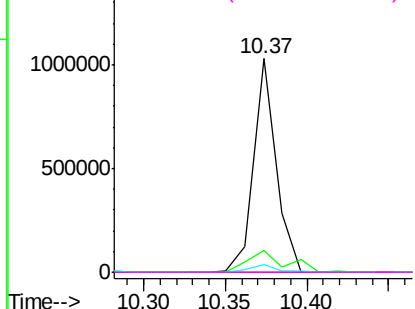
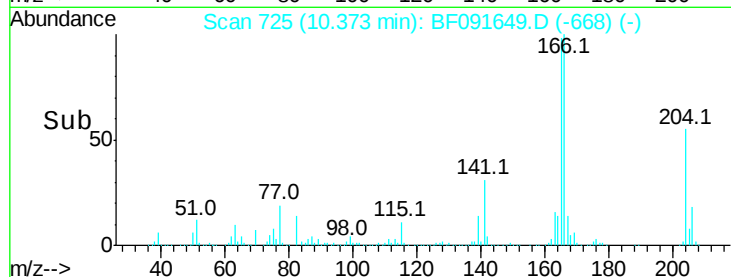
#56
 2,4-Dinitrotoluene
 Concen: 3055.46 ng
 RT: 10.37 min Scan# 725
 Delta R.T. 0.35 min
 Lab File: BF091649.D
 Acq: 16 Dec 2016 00:50

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MS

Tot Ion:165 Resp: 992252
 Ion Ratio Lower Upper
 165 100
 63 10.1 29.0 43.4#
 89 3.6 43.1 64.7#
 182 0.0 1.9 2.9#

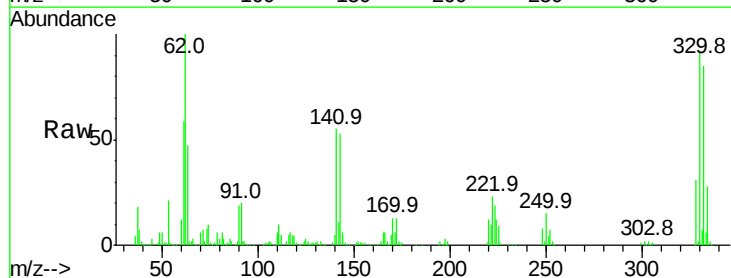


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

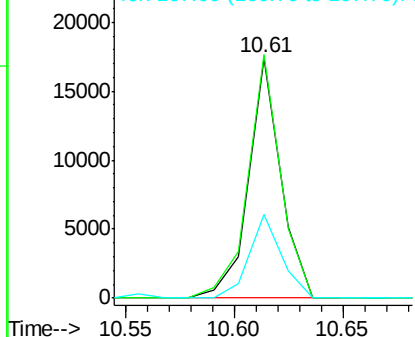
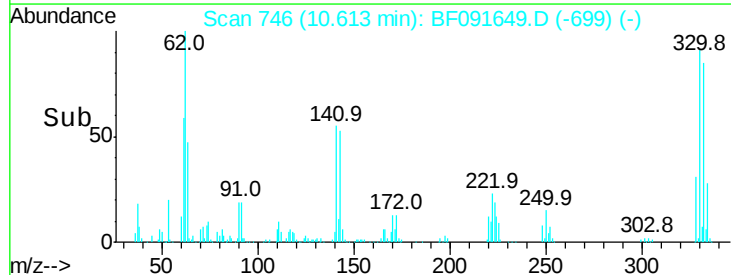


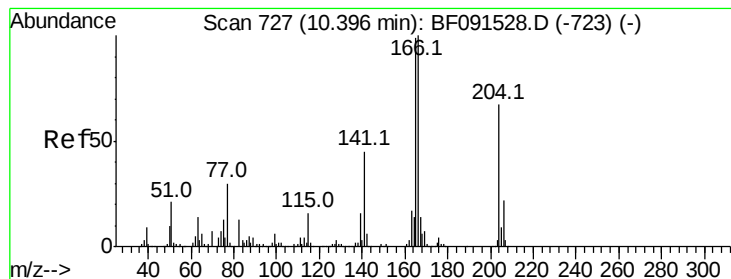
#57
 Fluorene
 Concen: 14.97 ng
 RT: 10.61 min Scan# 746
 Delta R.T. 0.24 min
 Lab File: BF091649.D
 Acq: 16 Dec 2016 00:50

Tgt Ion:166 Resp: 17905
 Ion Ratio Lower Upper
 166 100
 165 101.5 80.0 120.0
 167 34.7 10.8 16.2#



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

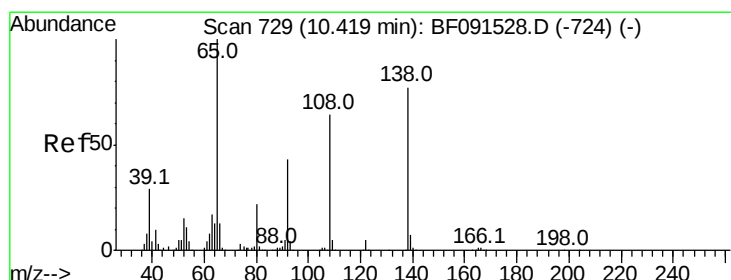
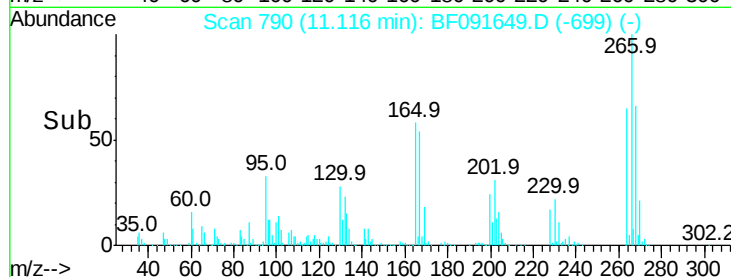
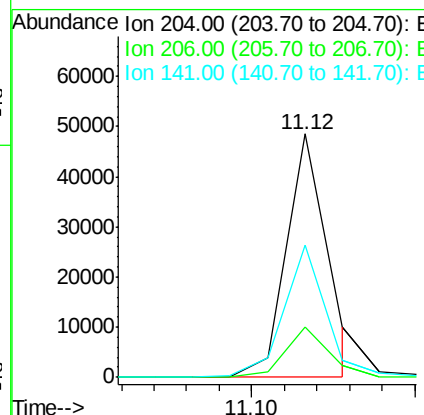
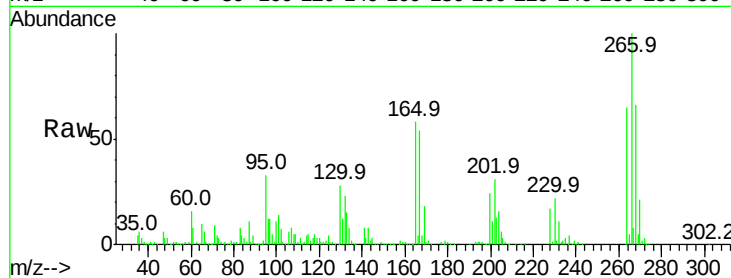




#60
 4-Chlorophenyl-phenylether
 Concen: 87.10 ng
 RT: 11.12 min Scan# 790
 Delta R.T. 0.74 min
 Lab File: BF091649.D
 Acq: 16 Dec 2016 00:50

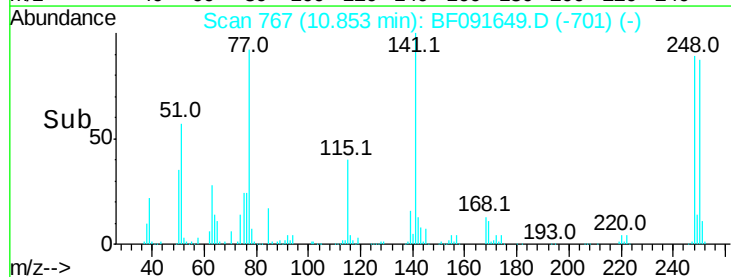
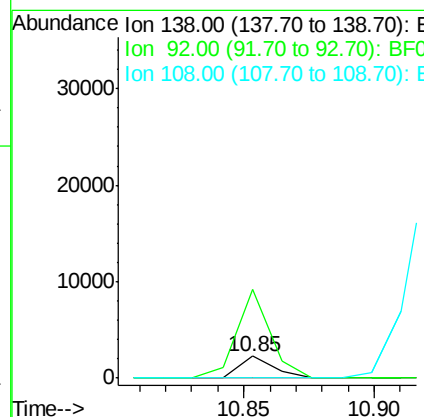
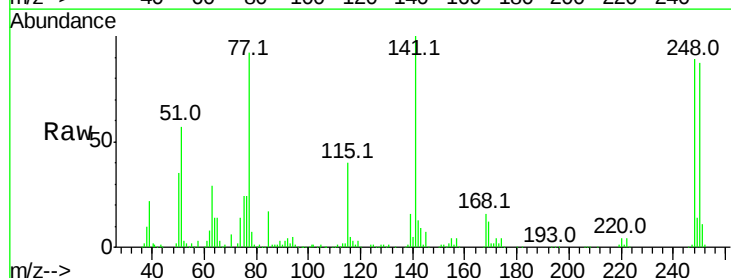
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MS

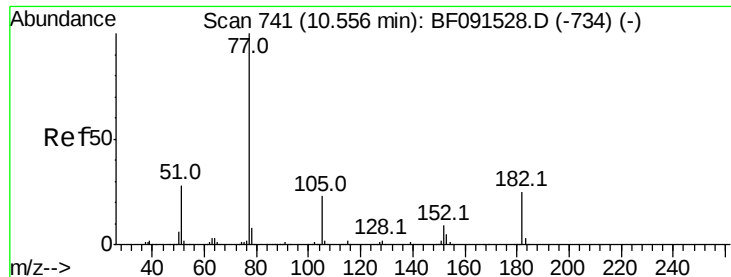
Tot Ion:204 Resp: 42893
 Ion Ratio Lower Upper
 204 100
 206 20.8 26.1 39.1#
 141 54.2 40.6 61.0



#61
 4-Nitroaniline
 Concen: 6.82 ng
 RT: 10.85 min Scan# 767
 Delta R.T. 0.46 min
 Lab File: BF091649.D
 Acq: 16 Dec 2016 00:50

Tgt Ion:138 Resp: 2063
 Ion Ratio Lower Upper
 138 100
 92 409.0 26.9 66.9#
 108 0.0 49.1 89.1#

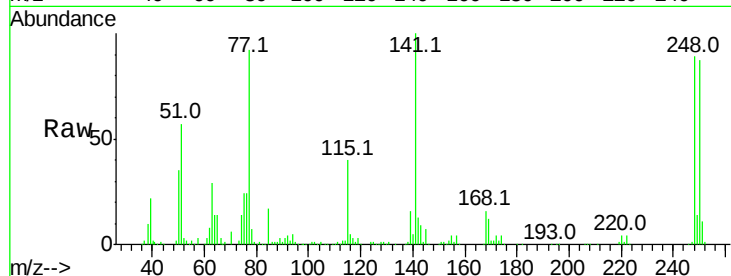




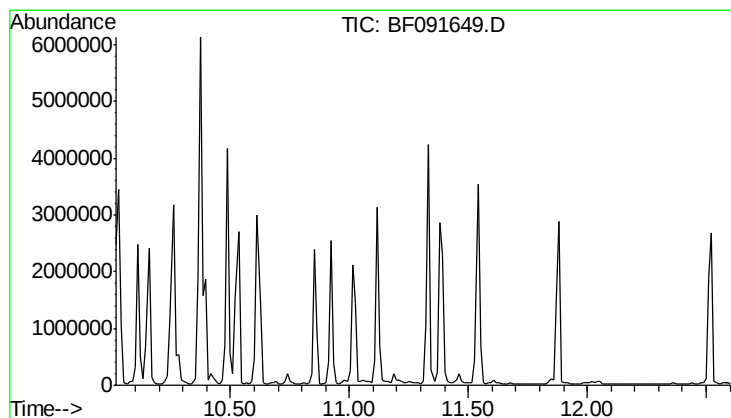
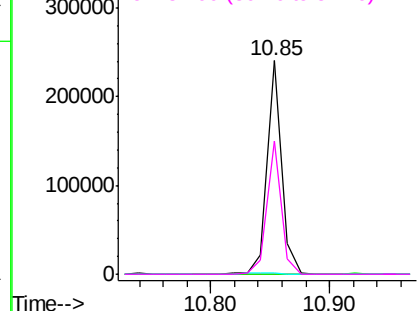
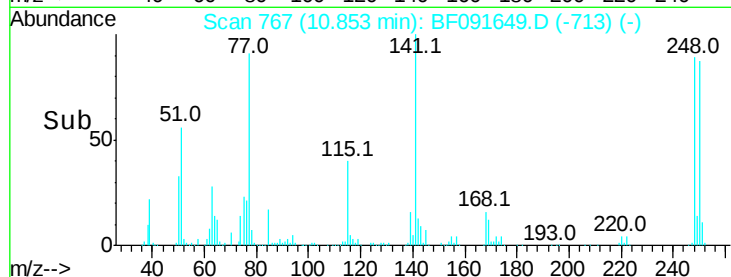
#62
Azobenzene
Concen: 158.90 ng
RT: 10.85 min Scan# 767
Delta R.T. 0.32 min
Lab File: BF091649.D
Acq: 16 Dec 2016 00:50

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MS

Tot Ion: 77 Resp: 204658
Ion Ratio Lower Upper
77 100
182 0.1 12.5 52.5#
105 0.6 3.7 43.7#
51 62.1 11.9 51.9#



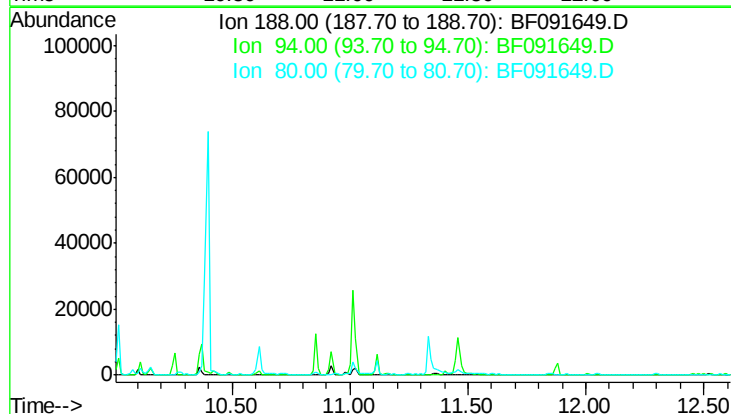
Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

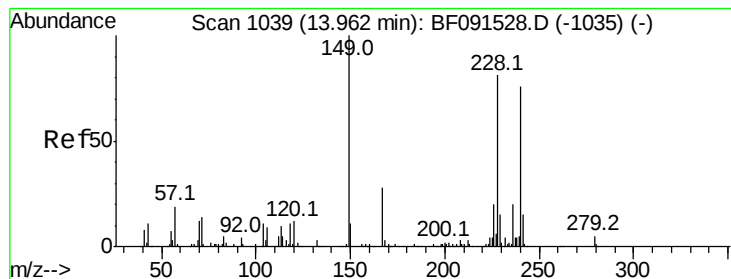


#63
Phenanthrene-d10
Concen: 0.00 ng
Expected RT: 11.31 min

Lab File: BF091649.D
Acq: 16 Dec 2016 00:50

Tgt Ion: 188
Sig Exp Ratio
188 100
94 11.5
80 13.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

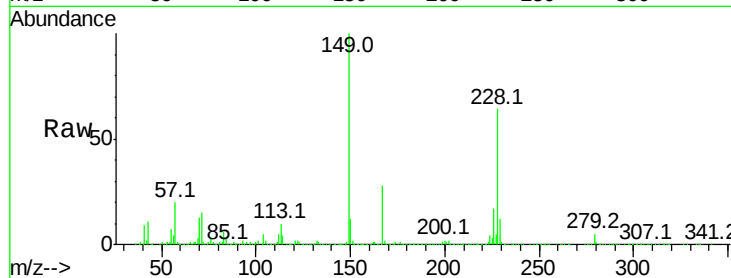
Tot Ion:240 Resp: 612

Ion Ratio Lower Upper

240 100

120 153.0 12.1 18.1#

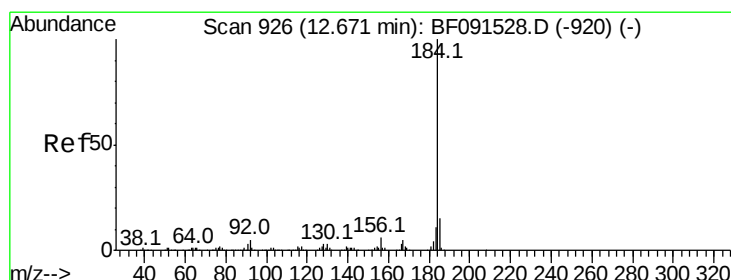
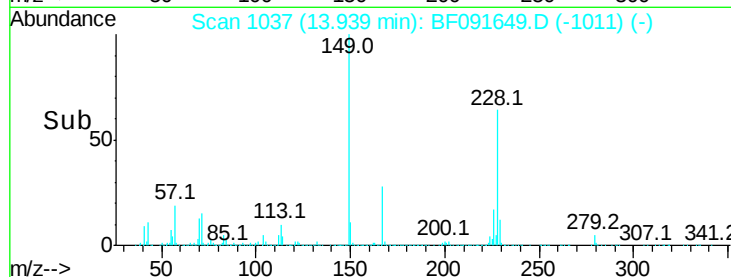
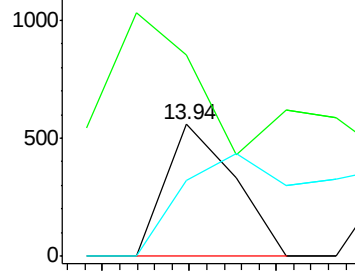
236 57.5 21.0 31.6#



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: 49897.52 ng

RT: 12.65 min Scan# 924

Delta R.T. 0.01 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

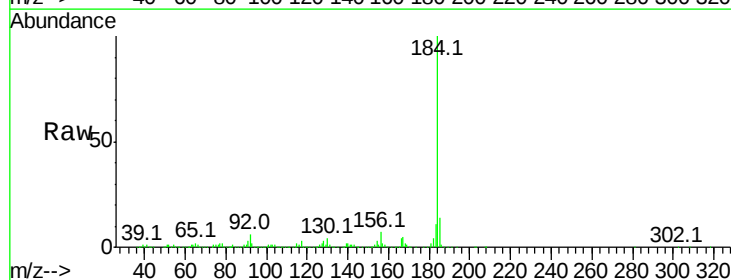
Tgt Ion:184 Resp: 944222

Ion Ratio Lower Upper

184 100

185 14.3 13.1 19.7

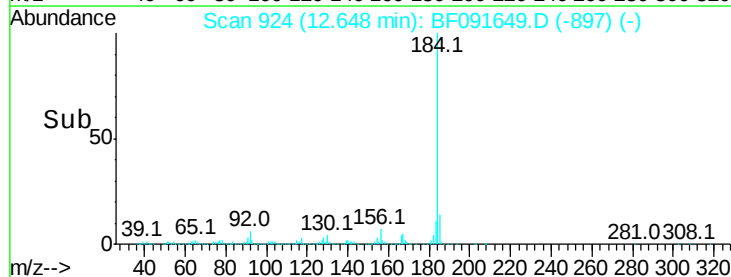
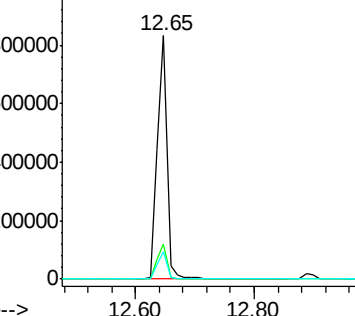
183 11.2 8.9 13.3

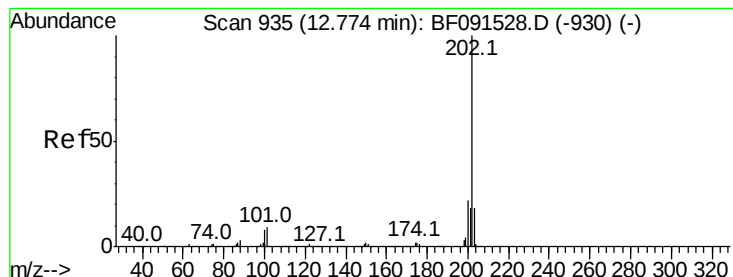


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 34616.58 ng

RT: 12.75 min Scan# 933

Delta R.T. 0.01 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

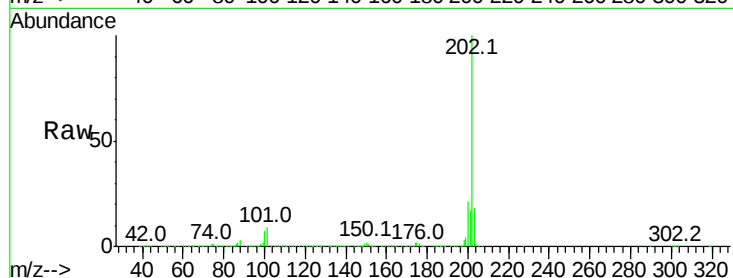
Tot Ion:202 Resp: 1680759

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

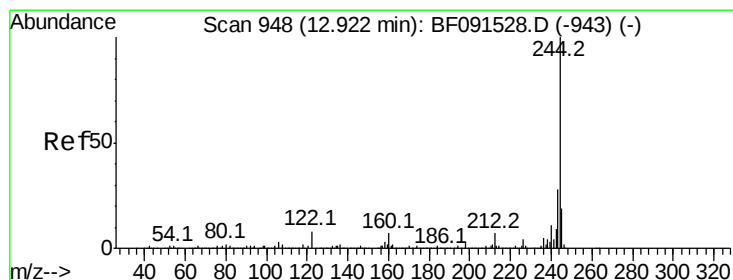
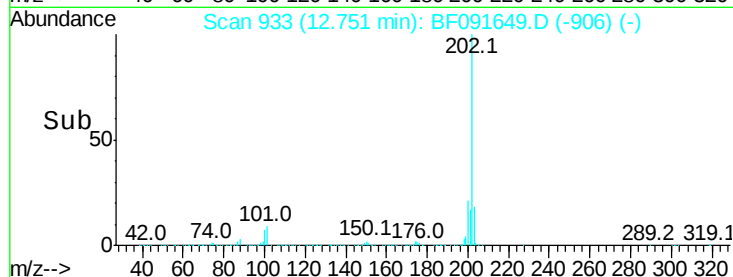
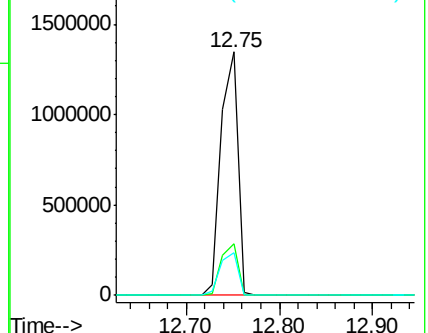
203 17.6 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 68871.44 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.00 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

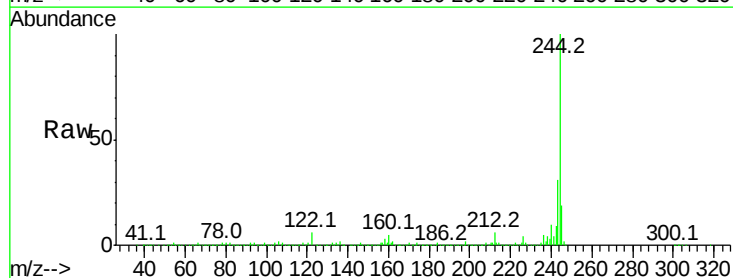
Tgt Ion:244 Resp: 1857484

Ion Ratio Lower Upper

244 100

212 6.4 6.5 9.7#

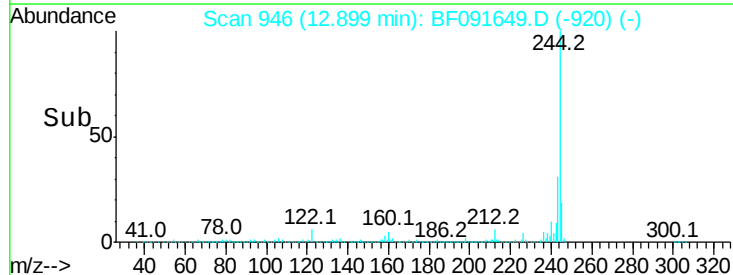
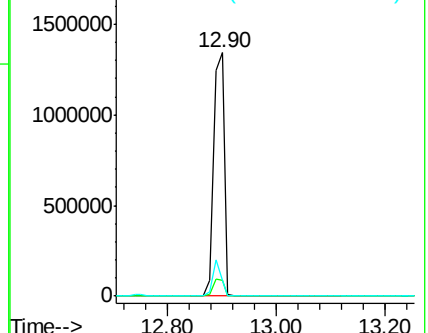
122 6.5 9.5 14.3#

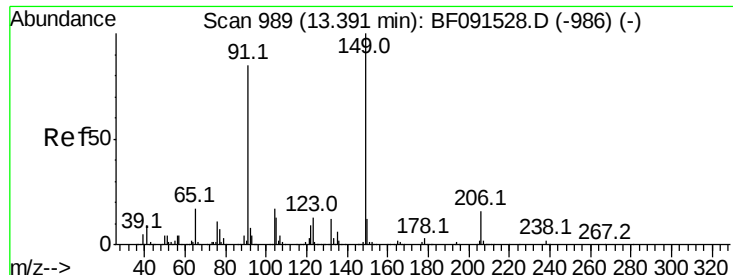


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

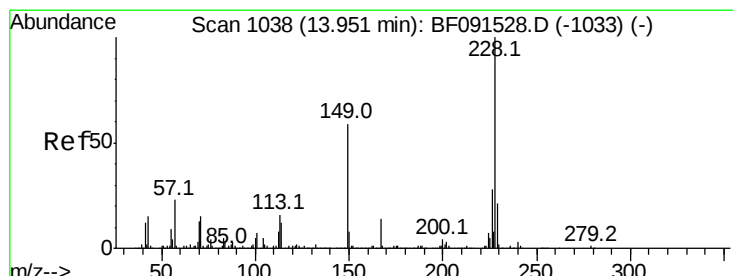
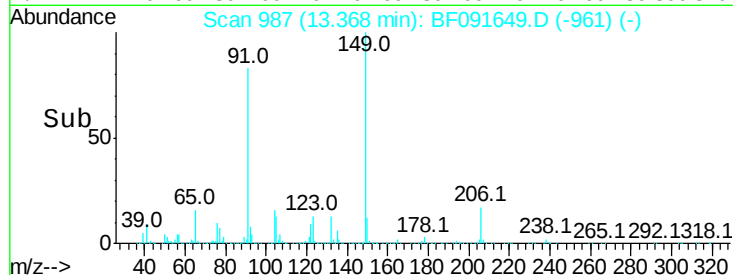
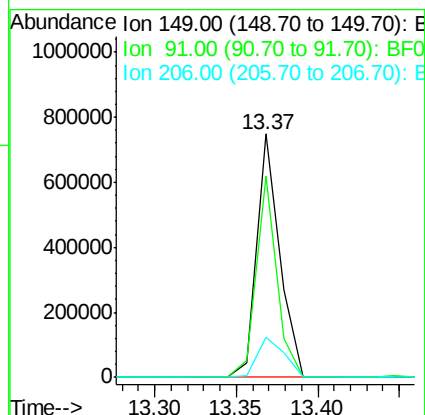
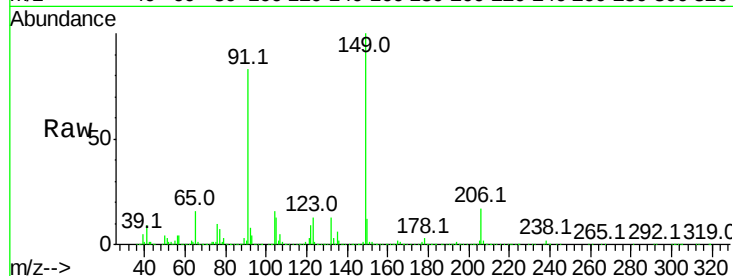




#79
Butylbenzylphthalate
Concen: 38606.31 ng
RT: 13.37 min Scan# 987
Delta R.T. -0.00 min
Lab File: BF091649.D
Acq: 16 Dec 2016 00:50

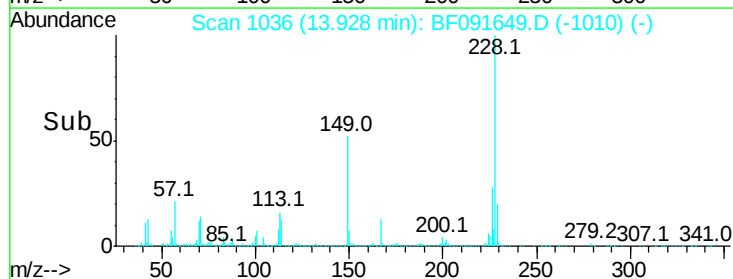
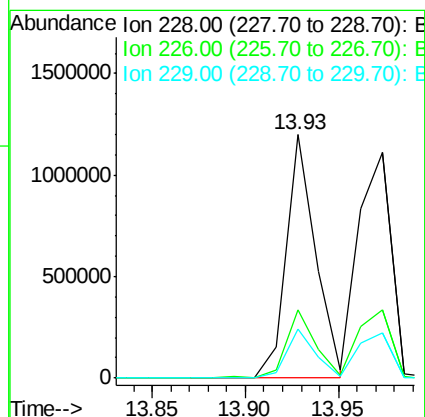
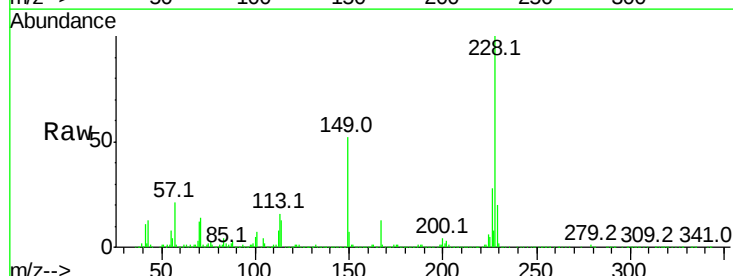
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MS

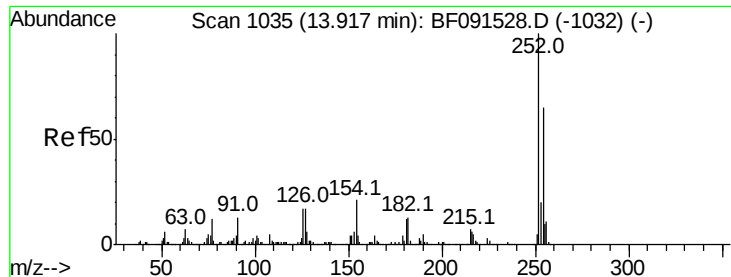
Tot Ion:149 Resp: 730689
Ion Ratio Lower Upper
149 100
91 82.8 57.4 86.2
206 16.5 15.4 23.2



#80
Benzo(a)anthracene
Concen: 37130.20 ng
RT: 13.93 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF091649.D
Acq: 16 Dec 2016 00:50

Tgt Ion:228 Resp: 1319678
Ion Ratio Lower Upper
228 100
226 28.3 22.5 33.7
229 20.2 16.4 24.6

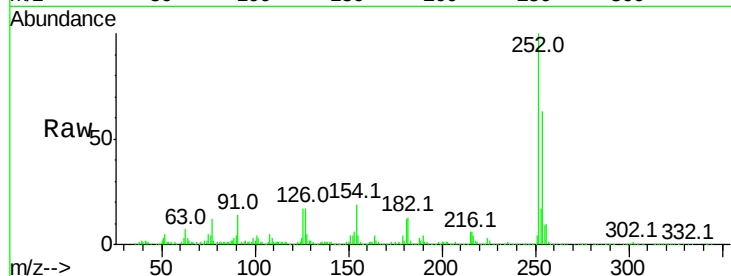




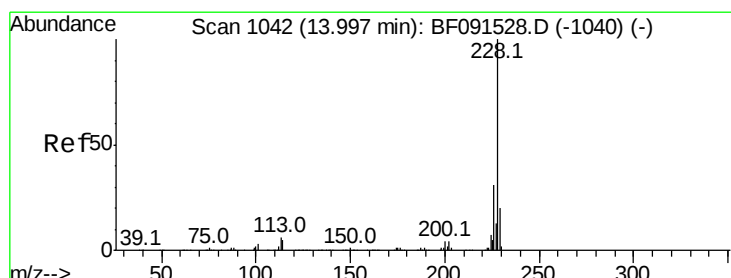
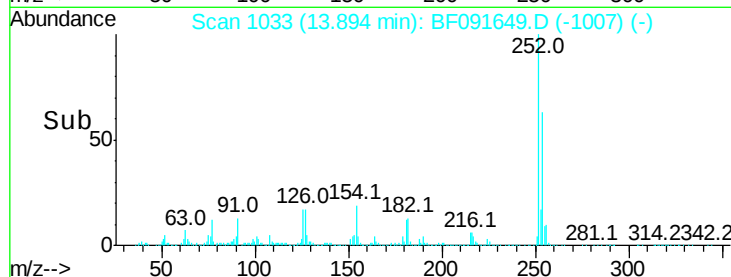
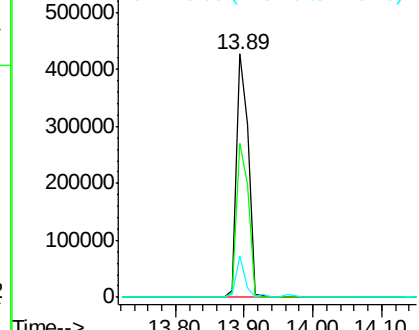
#81
 3,3'-Dichlorobenzidine
 Concen: 40968.95 ng
 RT: 13.89 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BF091649.D
 Acq: 16 Dec 2016 00:50

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MS

Tot Ion:252 Resp: 522874
 Ion Ratio Lower Upper
 252 100
 254 63.3 52.1 78.1
 126 17.1 7.5 11.3#

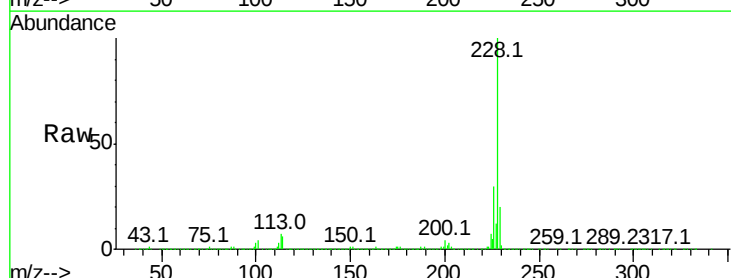


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

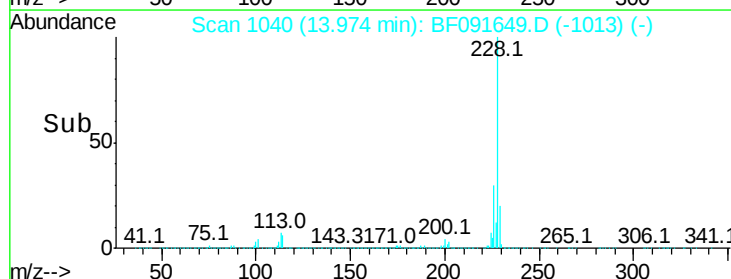
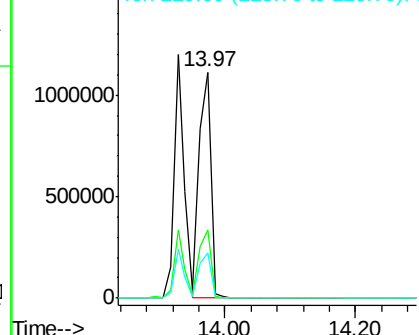


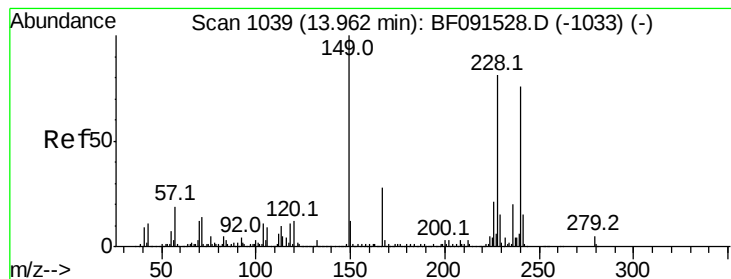
#82
 Chrysene
 Concen: 36821.71 ng
 RT: 13.97 min Scan# 1040
 Delta R.T. 0.01 min
 Lab File: BF091649.D
 Acq: 16 Dec 2016 00:50

Tgt Ion:228 Resp: 1369229
 Ion Ratio Lower Upper
 228 100
 226 30.3 25.0 37.4
 229 20.0 16.0 24.0



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 41891.74 ng

RT: 13.94 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

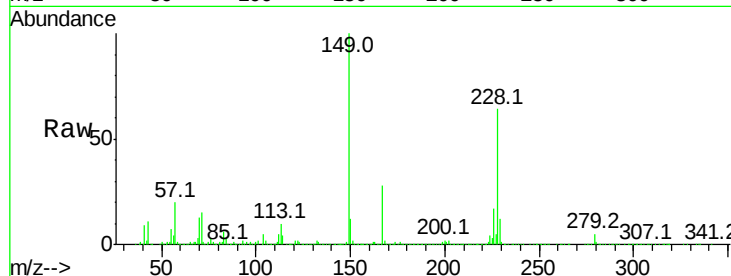
Tot Ion:149 Resp: 1017255

Ion Ratio Lower Upper

149 100

167 28.2 19.6 29.4

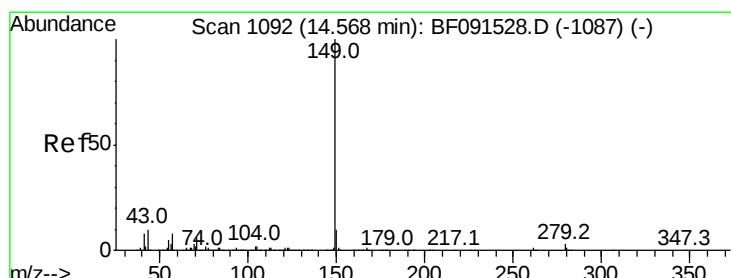
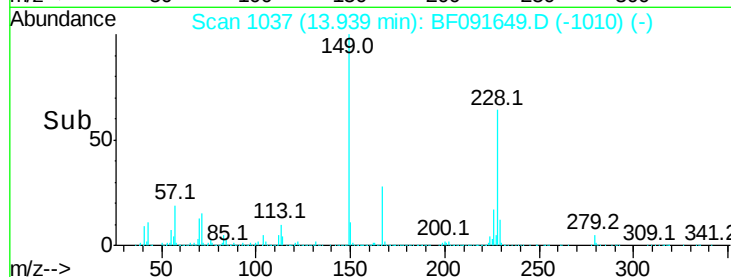
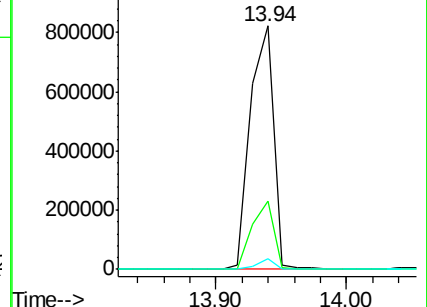
279 4.5 1.9 2.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 44967.46 ng

RT: 14.55 min Scan# 1090

Delta R.T. -0.00 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

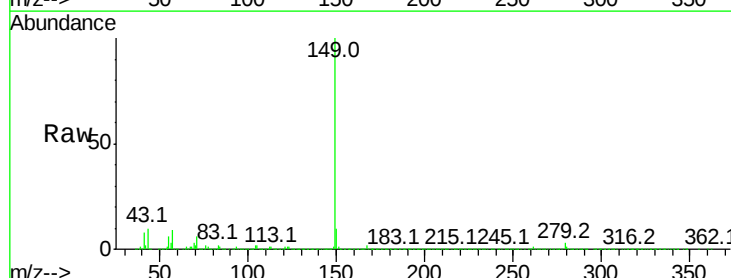
Tgt Ion:149 Resp: 1853407

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

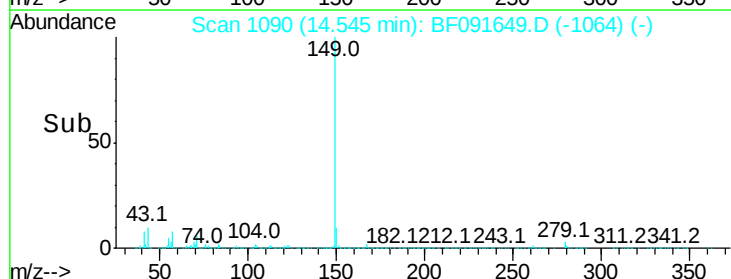
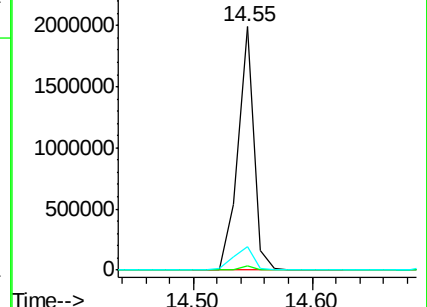
43 11.0 11.9 17.9#

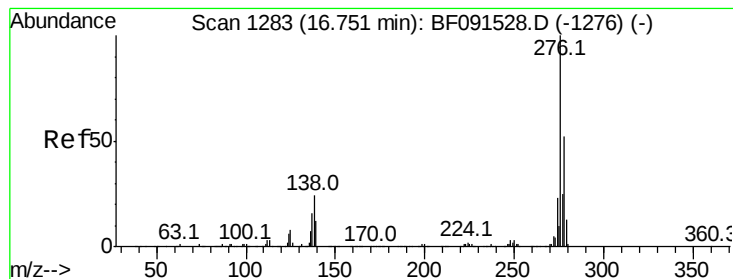


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



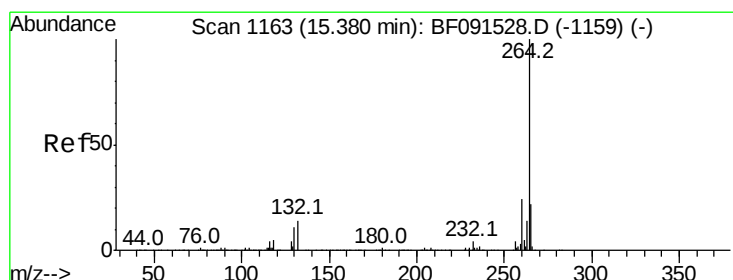
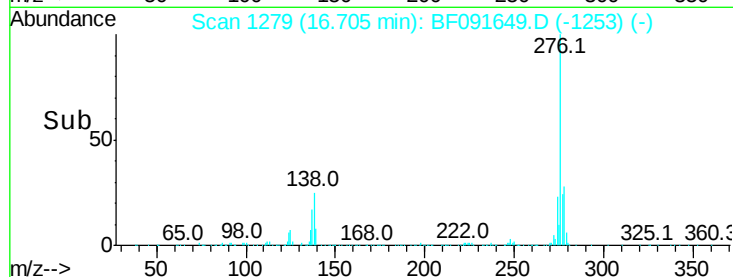
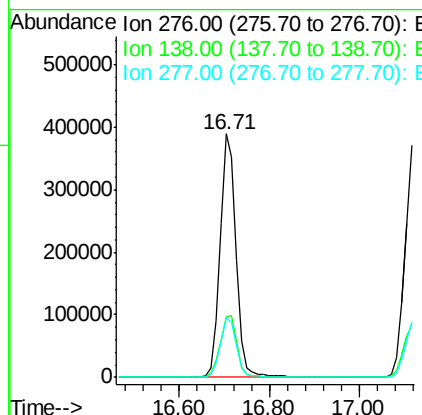
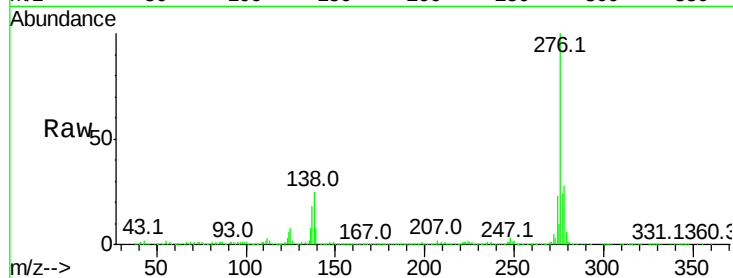


#85

Indeno(1,2,3-cd)pyrene
Concen: 28720.02 ng
RT: 16.71 min Scan# 1279
Delta R.T. -0.00 min
Lab File: BF091649.D
Acq: 16 Dec 2016 00:50

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MS

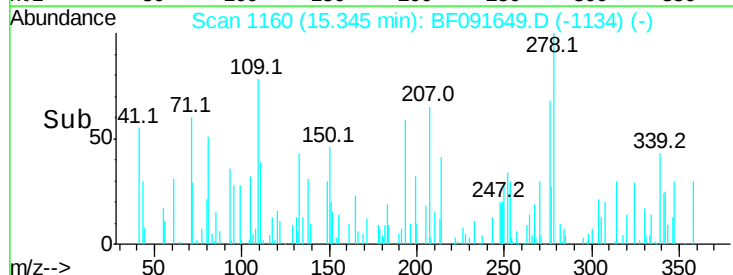
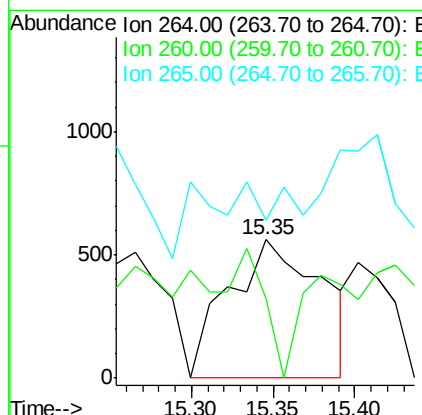
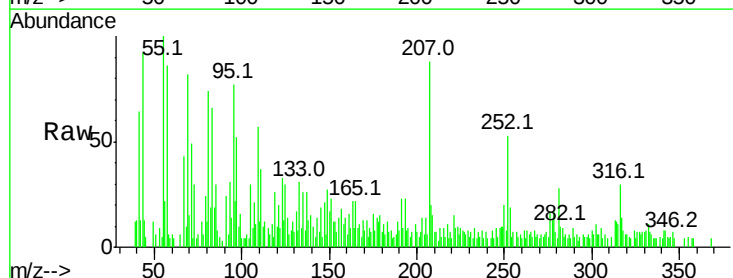
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.4	21.0	31.4
277	25.1	20.2	30.2

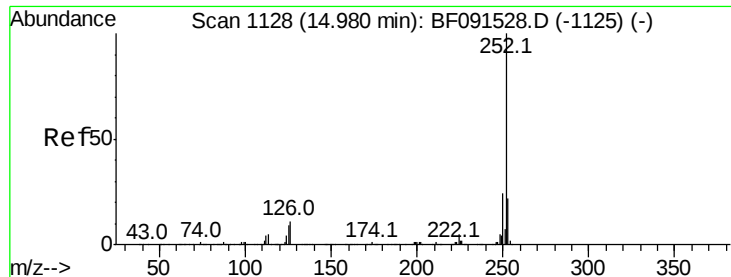


#86

Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BF091649.D
Acq: 16 Dec 2016 00:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	58.0	18.8	28.2#
265	114.6	17.0	25.6#





#87

Benzo(b)fluoranthene

Concen: 18894.23 ng

RT: 14.98 min Scan# 1128

Delta R.T. 0.03 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

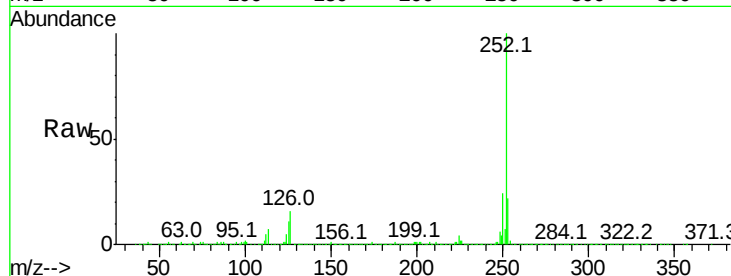
Tot Ion:252 Resp: 2492563

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	11.2	8.6	13.0

252 100

253 22.4 18.2 27.2

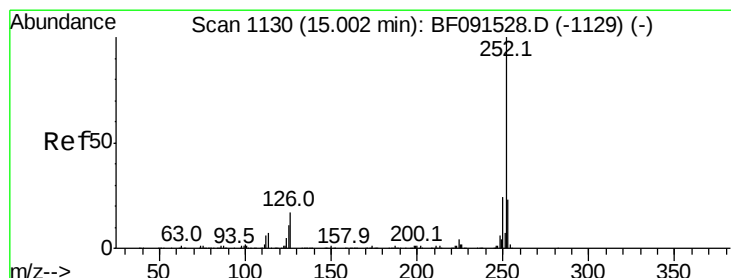
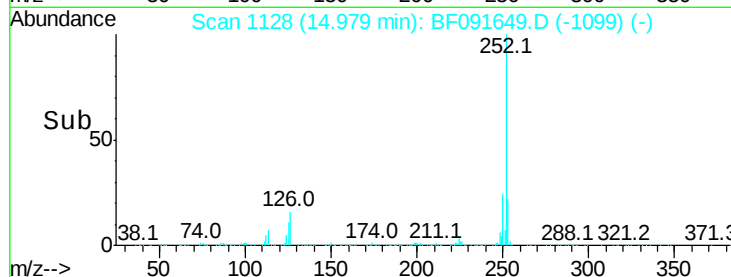
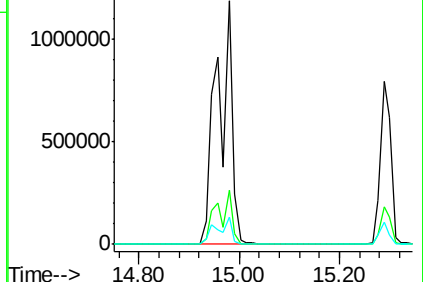
125 11.2 8.6 13.0



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: 21490.88 ng

RT: 14.98 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BF091649.D

Acq: 16 Dec 2016 00:50

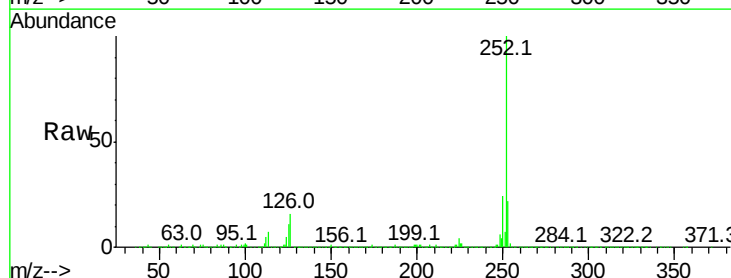
Tgt Ion:252 Resp: 2492851

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	11.2	9.6	14.4

252 100

253 22.4 17.8 26.8

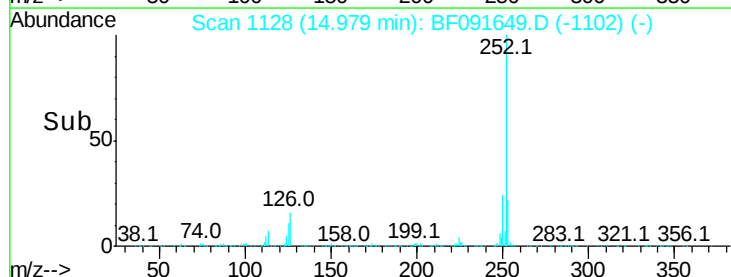
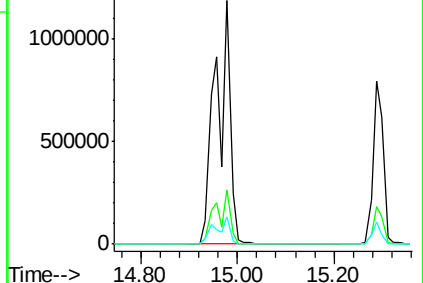
125 11.2 9.6 14.4

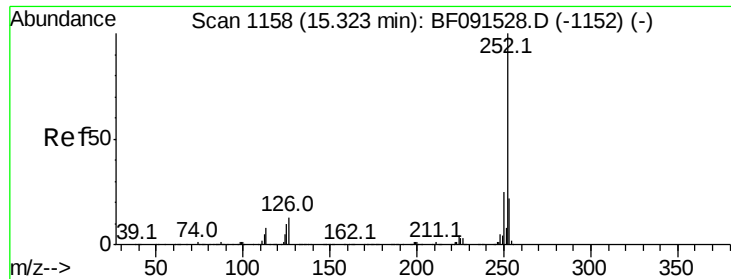


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

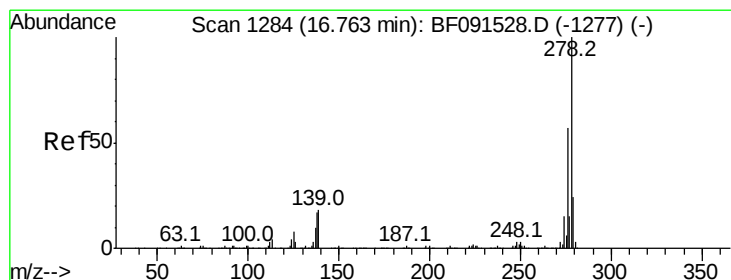
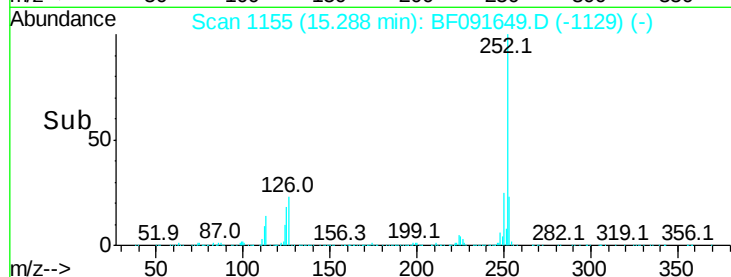
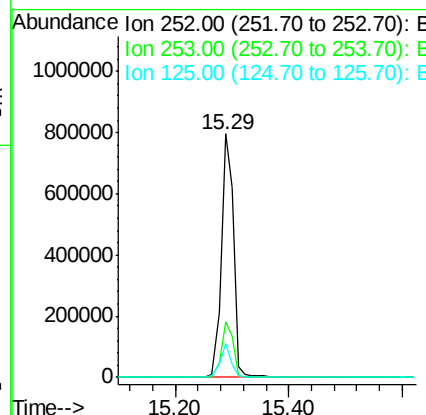
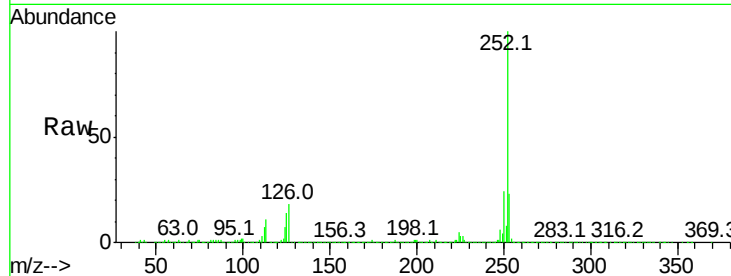




#89
Benzo(a)pyrene
Concen: 9787.71 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BF091649.D
Acq: 16 Dec 2016 00:50

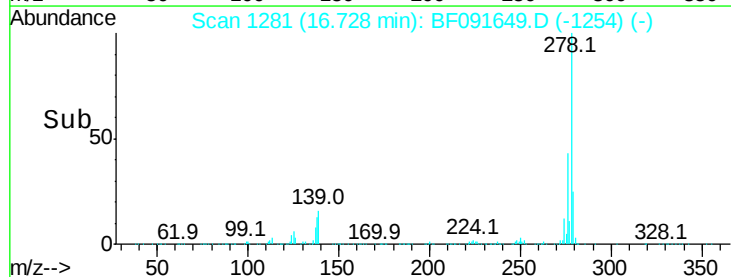
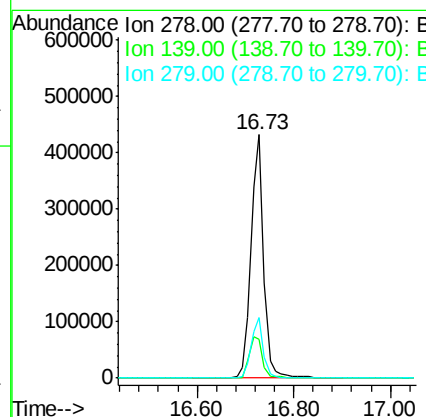
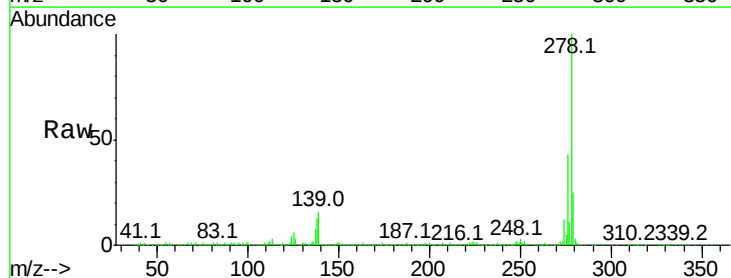
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MS

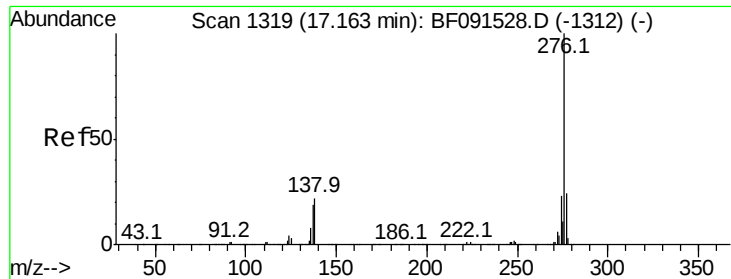
Tot Ion:252 Resp: 1163235
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.4
125 13.7 10.4 15.6



#90
Dibenzo(a,h)anthracene
Concen: 7416.34 ng
RT: 16.73 min Scan# 1281
Delta R.T. 0.01 min
Lab File: BF091649.D
Acq: 16 Dec 2016 00:50

Tgt Ion:278 Resp: 789581
Ion Ratio Lower Upper
278 100
139 16.1 15.1 22.7
279 25.0 19.0 28.6





#91
 Benzo(a,h,i)perylene
 Concen: 6942.34 ng
 RT: 17.12 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: BF091649.D
 Acq: 16 Dec 2016 00:50

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MS

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	22.8	15.4	23.0

