

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
 Data File : BF091679.D
 Acq On : 16 Dec 2016 18:14
 Operator : UM/SJ
 Sample : H6029-04MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

Quant Time: Dec 16 22:00:16 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	6.77	152	155333	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	667960	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	364347	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	909050	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	694068	20.00	ng	-0.01
86) Perylene-d12	15.32	264	573226	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1470131	159.45	ng	0.01
7) Phenol-d6	6.42	99	1844295	160.45	ng	-0.01
23) Nitrobenzene-d5	7.34	82	1267096	105.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	631321	208.62	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1824501	86.53	ng	-0.01
78) Terphenyl-d14	12.88	244	2104450	68.80	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.38	88	212673	43.71	ng	87
3) Pyridine	3.07	79	515574	39.76	ng	# 82
4) n-Nitrosodimethylamine	3.04	42	301595	54.14	ng	# 78
6) Aniline	6.44	93	313498	20.80	ng	# 70
8) 2-Chlorophenol	6.57	128	552248	53.07	ng	95
9) Benzaldehyde	6.32	77	99853	12.62	ng	85
10) Phenol	6.43	94	648383	48.25	ng	83
11) bis(2-Chloroethyl)ether	6.52	93	538912	53.38	ng	# 78
12) 1,3-Dichlorobenzene	6.72	146	573326	50.80	ng	97
13) 1,4-Dichlorobenzene	6.80	146	592214	53.20	ng	98
14) 1,2-Dichlorobenzene	6.94	146	522418	52.08	ng	100
15) Benzyl Alcohol	6.92	79	491647	54.17	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.06	45	749157	47.88	ng	80
17) 2-Methylphenol	7.05	107	483081	56.10	ng	# 76
18) Hexachloroethane	7.29	117	219062	50.43	ng	# 87
19) n-Nitroso-di-n-propylamine	7.20	70	396735	55.20	ng	# 83
20) 3+4-Methylphenols	7.20	107	557743	61.10	ng	# 77
22) Acetophenone	7.18	105	815722	50.97	ng	# 95
24) Nitrobenzene	7.36	77	604487	47.81	ng	95
25) Isophorone	7.61	82	1157921	54.43	ng	98
26) 2-Nitrophenol	7.68	139	285896	51.23	ng	92
27) 2,4-Dimethylphenol	7.72	122	477959	48.76	ng	98
28) bis(2-Chloroethoxy)methane	7.81	93	645550	51.73	ng	100
29) 2,4-Dichlorophenol	7.93	162	478027	56.05	ng	95
30) 1,2,4-Trichlorobenzene	8.01	180	500228	51.61	ng	97
31) Naphthalene	8.09	128	1614566	51.95	ng	99
32) Benzoic acid	7.84	122	168017	26.35	ng	99
33) 4-Chloroaniline	8.13	127	172221	12.86	ng	99
34) Hexachlorobutadiene	8.20	225	263624	47.45	ng	98
35) Caprolactam	8.51	113	98232	39.44	ng	# 60
36) 4-Chloro-3-methylphenol	8.62	107	556747	58.21	ng	96
37) 2-Methylnaphthalene	8.77	142	1003790	49.90	ng	# 96
39) 1,2,4,5-Tetrachlorobenzene	8.94	216	459907	46.02	ng	98
40) Hexachlorocyclopentadiene	8.93	237	484955	108.85	ng	100

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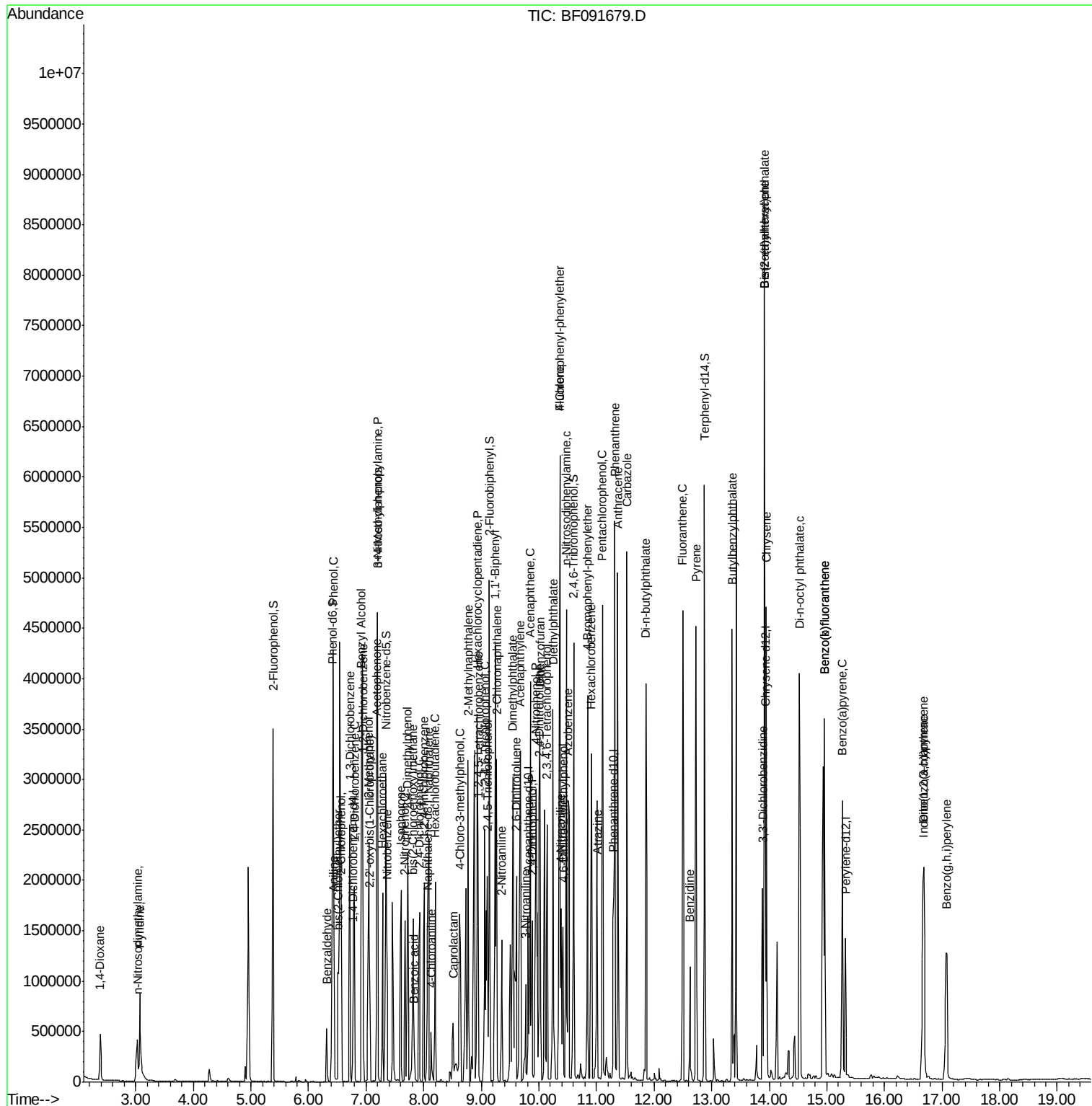
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.06	196	357791	55.72	ng	97
43) 2,4,5-Trichlorophenol	9.10	196	330983	50.16	ng #	92
45) 1,1'-Biphenyl	9.24	154	1345449	50.98	ng	97
46) 2-Chloronaphthalene	9.26	162	1012972	49.57	ng	99
47) 2-Nitroaniline	9.36	65	328576	47.81	ng #	83
48) Acenaphthylene	9.68	152	1460462	46.88	ng	99
49) Dimethylphthalate	9.55	163	1424010	61.72	ng	99
50) 2,6-Dinitrotoluene	9.61	165	290073	57.29	ng #	86
51) Acenaphthene	9.85	154	1126254	52.05	ng	97
52) 3-Nitroaniline	9.77	138	133223	22.40	ng	92
53) 2,4-Dinitrophenol	9.88	184	260682	85.00	ng #	84
54) Dibenzofuran	10.02	168	1357973	50.73	ng	96
55) 4-Nitrophenol	9.95	139	484920	109.58	ng	89
56) 2,4-Dinitrotoluene	10.01	165	352300	55.51	ng #	53
57) Fluorene	10.36	166	1242422	67.43	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.14	232	365676	70.79	ng	94
59) Diethylphthalate	10.25	149	1517981	68.33	ng	96
60) 4-Chlorophenyl-phenylether	10.36	204	599745	62.31	ng	99
61) 4-Nitroaniline	10.38	138	335840	56.81	ng	93
62) Azobenzene	10.51	77	1841538	73.15	ng	88
64) 4,6-Dinitro-2-methylphenol	10.42	198	285944	51.56	ng #	46
65) n-Nitrosodiphenylamine	10.48	169	1244338	45.91	ng	100
66) 4-Bromophenyl-phenylether	10.84	248	430384	46.18	ng	98
67) Hexachlorobenzene	10.91	284	476694	49.19	ng #	88
68) Atrazine	11.01	200	476156	54.64	ng	92
69) Pentachlorophenol	11.10	266	518856	95.13	ng	95
70) Phenanthrene	11.32	178	2332577	51.82	ng	99
71) Anthracene	11.37	178	2187218	45.05	ng	99
72) Carbazole	11.53	167	2073605	48.72	ng	100
73) Di-n-butylphthalate	11.86	149	2462238	49.65	ng	98
74) Fluoranthene	12.50	202	2182094	46.29	ng	94
76) Benzidine	12.62	184	435188	20.28	ng	97
77) Pyrene	12.73	202	1903396	34.57	ng	99
79) Butylbenzylphthalate	13.36	149	1046111	48.74	ng	99
80) Benzo(a)anthracene	13.92	228	1718886	42.64	ng	99
81) 3,3'-Dichlorobenzidine	13.88	252	407031	28.12	ng	99
82) Chrysene	13.95	228	1664961	39.48	ng	99
83) Bis(2-ethylhexyl)phthalate	13.92	149	1270669	46.14	ng	97
84) Di-n-octyl phthalate	14.52	149	2414423	51.65	ng #	90
85) Indeno(1,2,3-cd)pyrene	16.67	276	1312155	34.58	ng	100
87) Benzo(b)fluoranthene	14.96	252	3185217	93.21	ng	98
88) Benzo(k)fluoranthene	14.96	252	3185217	106.01	ng	98
89) Benzo(a)pyrene	15.27	252	1513897	49.18	ng	99
90) Dibenzo(a,h)anthracene	16.68	278	1072362	38.89	ng	99
91) Benzo(g,h,i)perylene	17.08	276	1139659	40.61	ng	100

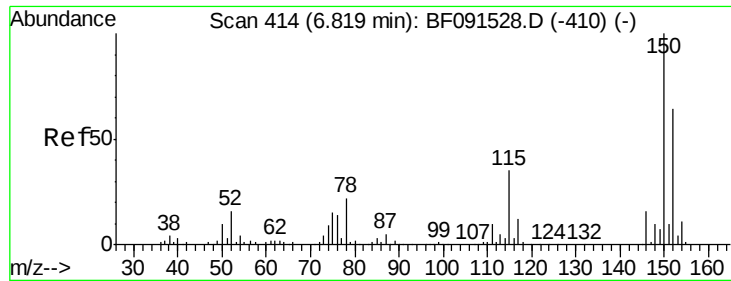
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

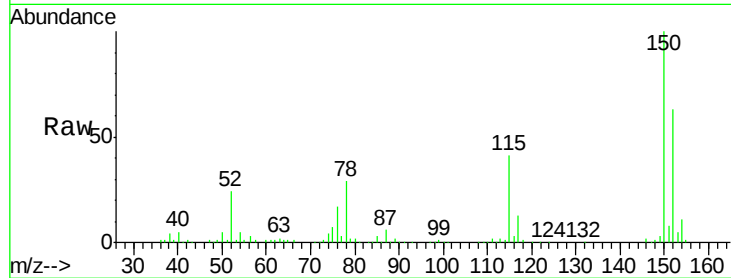
Tgt Ion: 152 Resp: 155333

Ion Ratio Lower Upper

152 100

150 159.2 122.5 183.7

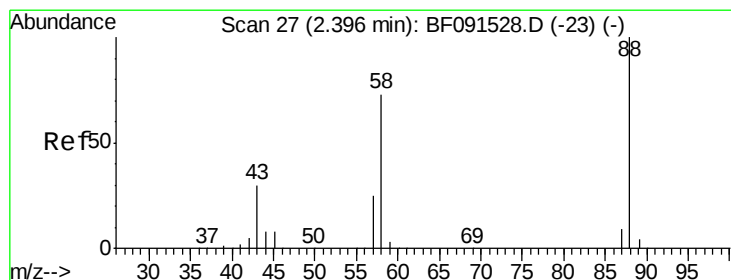
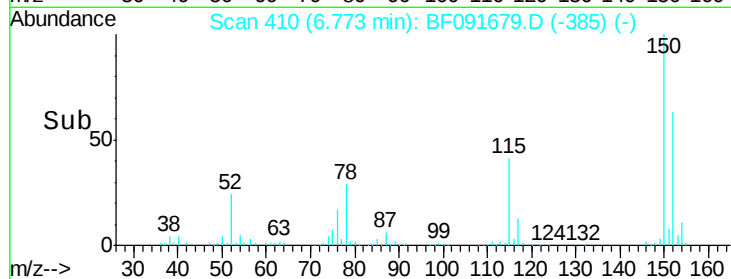
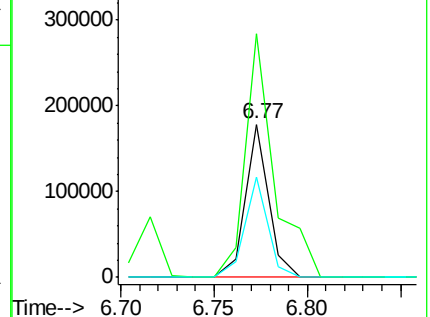
115 65.3 51.8 77.8



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: 43.71 ng

RT: 2.38 min Scan# 26

Delta R.T. 0.06 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

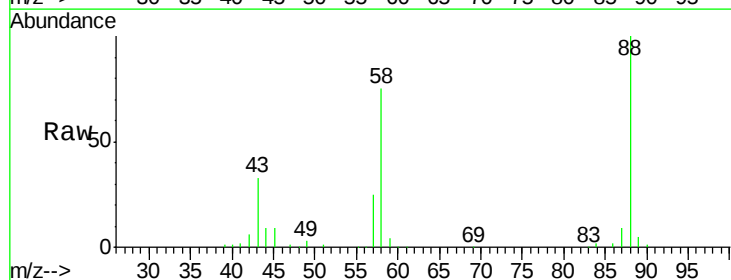
Tgt Ion: 88 Resp: 212673

Ion Ratio Lower Upper

88 100

58 75.4 70.3 105.5

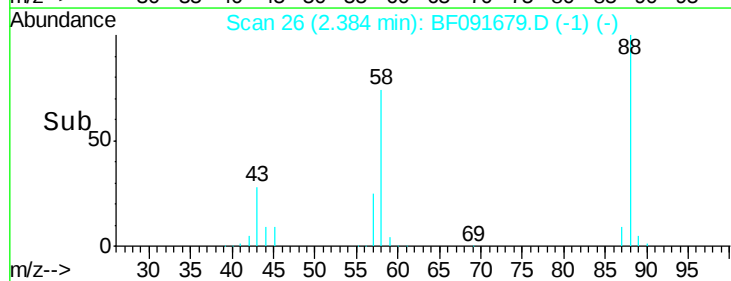
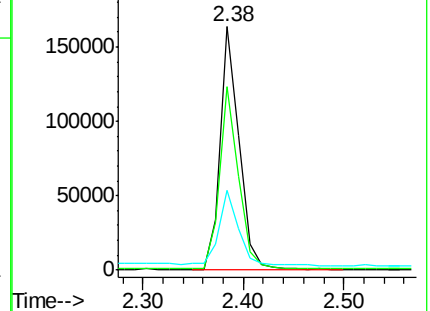
43 32.1 31.3 46.9

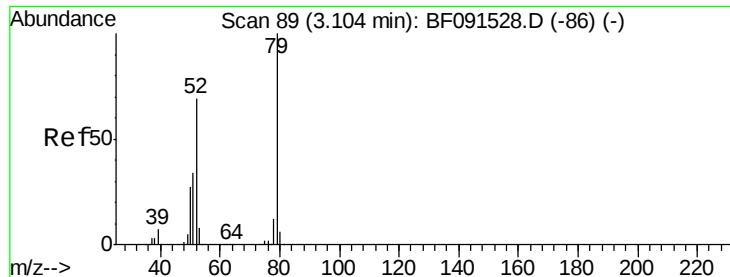


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

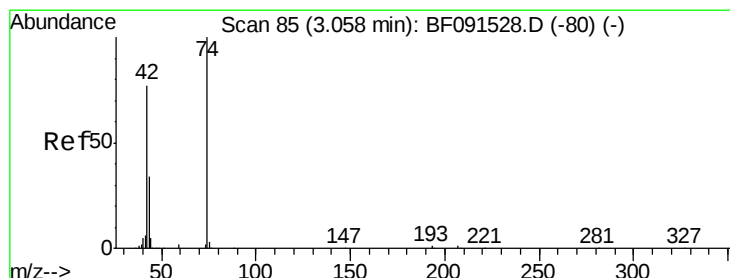
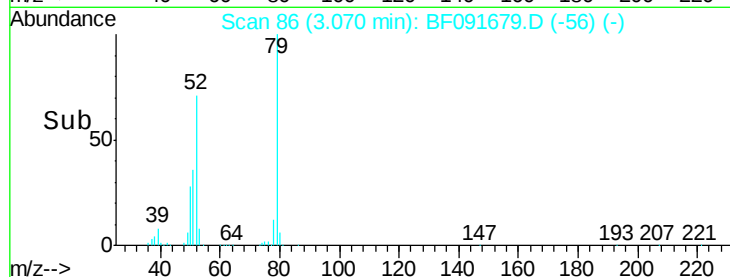
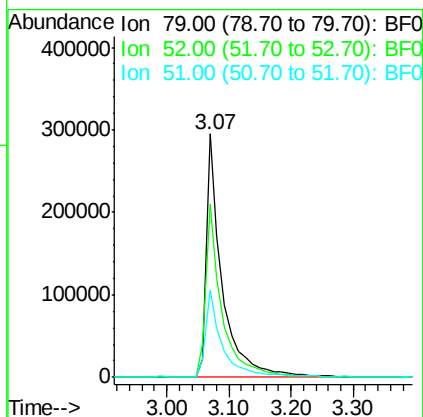
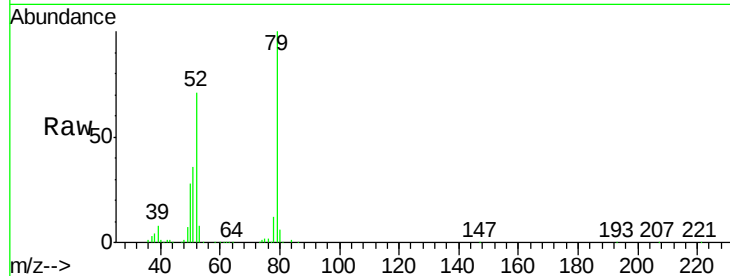




#3
 Pyridine
 Concen: 39.76 ng
 RT: 3.07 min Scan# 86
 Delta R.T. 0.05 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

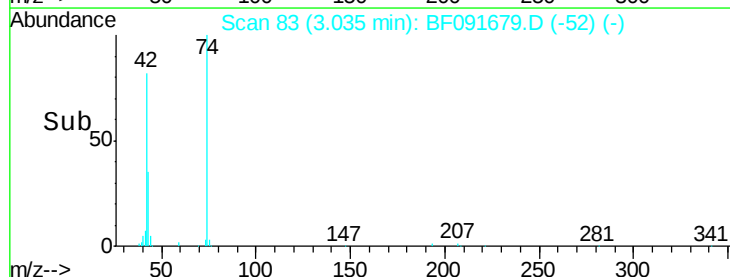
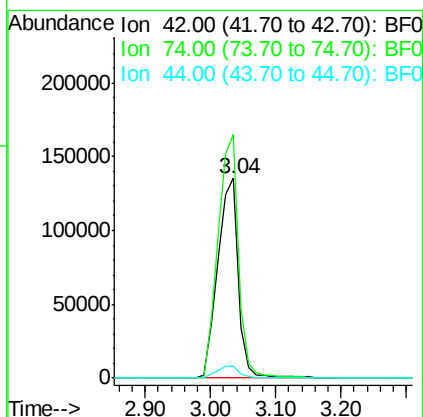
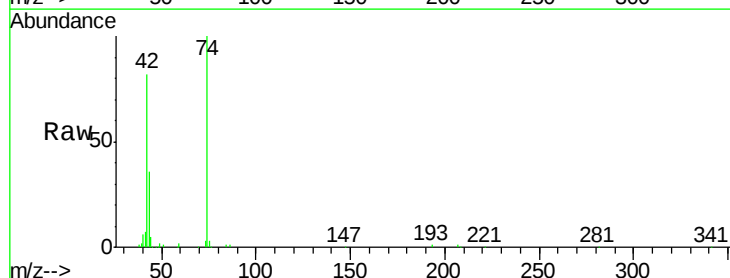
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

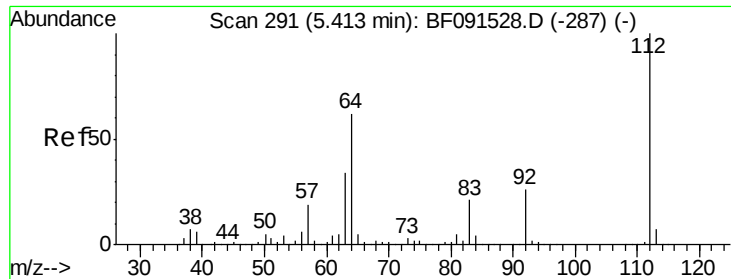
Tgt Ion: 79 Resp: 515574
 Ion Ratio Lower Upper
 79 100
 52 71.4 71.0 106.4
 51 35.9 37.0 55.4#



#4
 n-Nitrosodimethylamine
 Concen: 54.14 ng
 RT: 3.04 min Scan# 83
 Delta R.T. 0.06 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

Tgt Ion: 42 Resp: 301595
 Ion Ratio Lower Upper
 42 100
 74 121.9 78.9 118.3#
 44 6.2 5.8 8.6





#5

2-Fluorophenol

Concen: 159.45 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

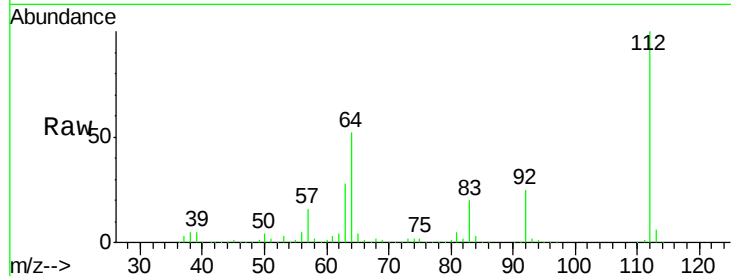
Tgt Ion: 112 Resp: 1470131

Ion Ratio Lower Upper

112 100

64 52.4 61.5 92.3#

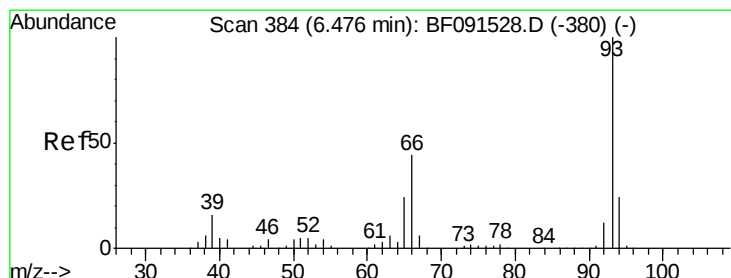
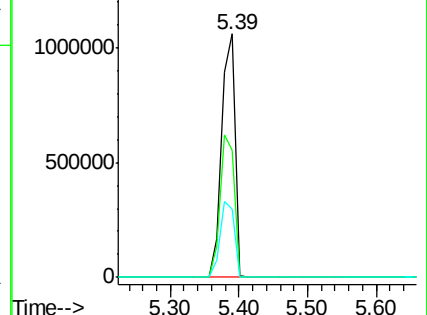
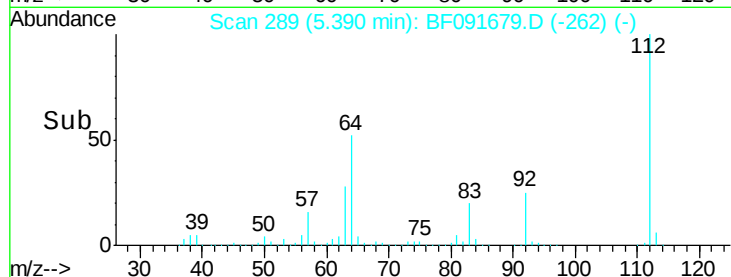
63 28.3 33.3 49.9#



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: 20.80 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

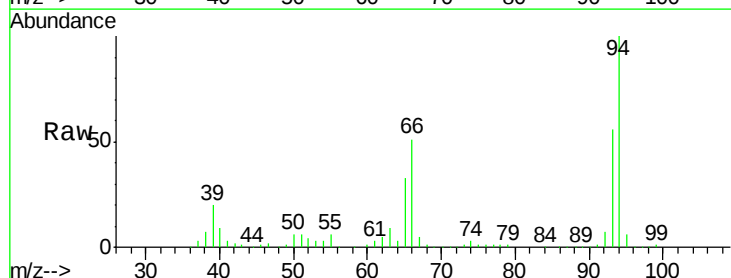
Tgt Ion: 93 Resp: 313498

Ion Ratio Lower Upper

93 100

66 91.7 55.8 83.6#

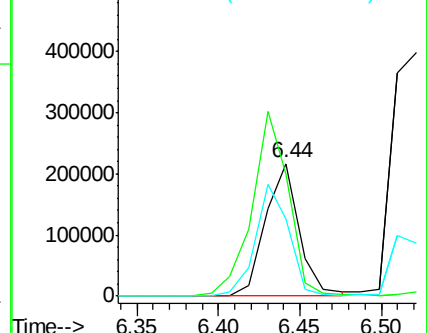
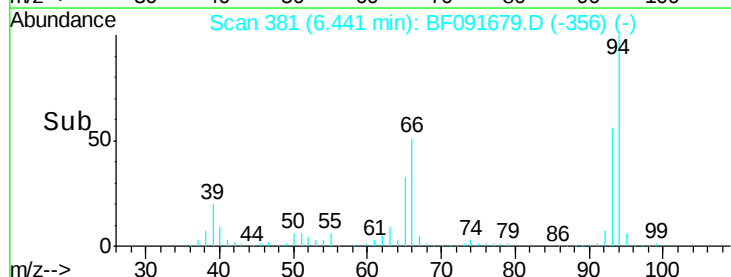
65 58.6 29.9 44.9#

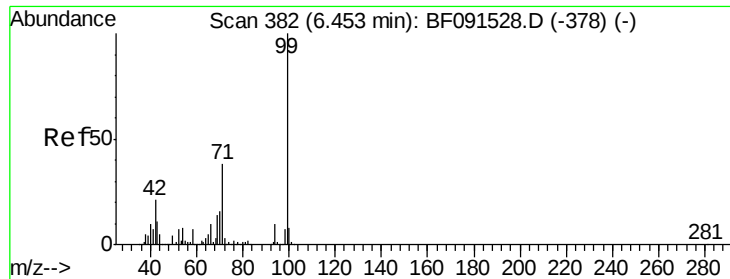


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 160.45 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

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IDW-SOIL-01MSD

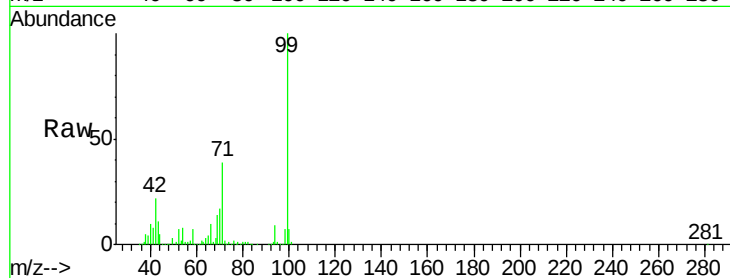
Tgt Ion: 99 Resp: 1844295

Ion Ratio Lower Upper

99 100

42 21.7 20.6 31.0

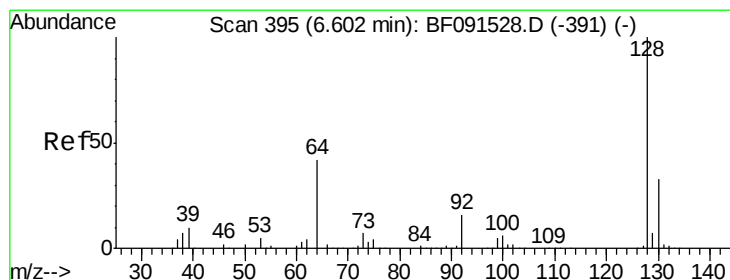
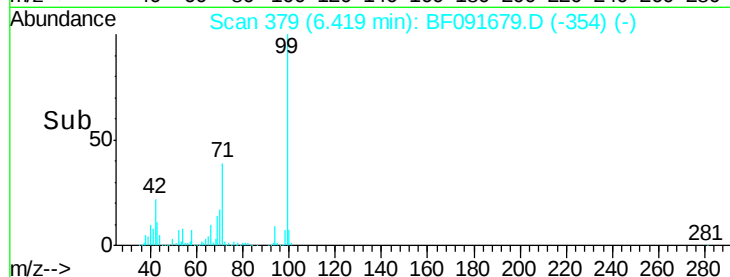
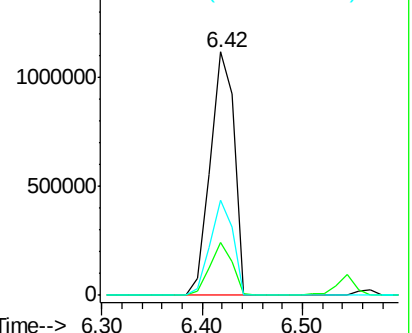
71 39.0 29.9 44.9



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: 53.07 ng

RT: 6.57 min Scan# 392

Delta R.T. -0.00 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

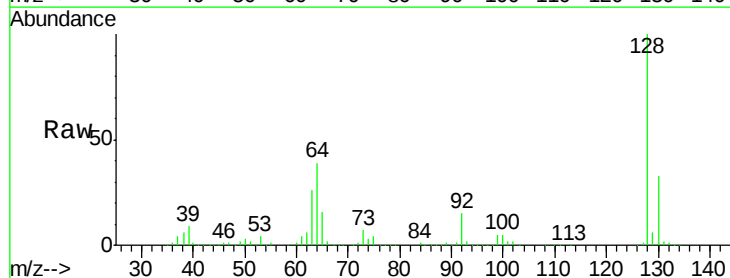
Tgt Ion: 128 Resp: 552248

Ion Ratio Lower Upper

128 100

130 33.4 13.1 53.1

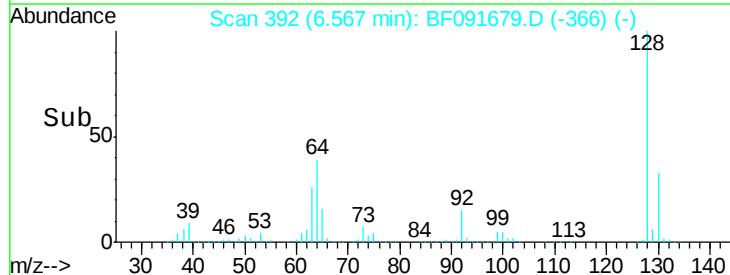
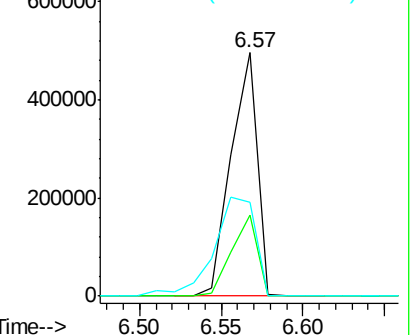
64 38.7 24.1 64.1

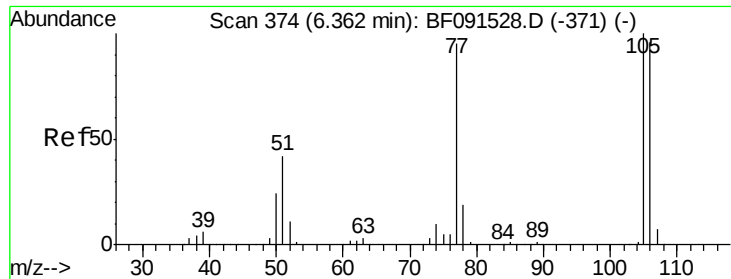


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 12.62 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

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ClientSampleId :

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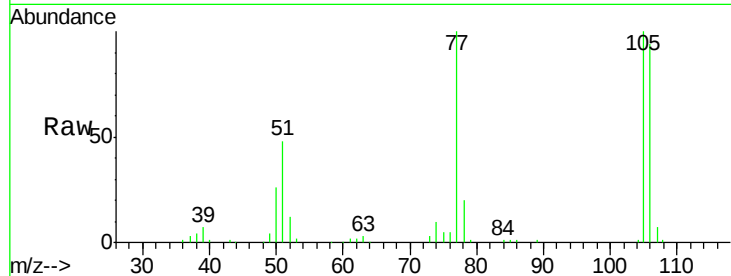
Tgt Ion: 77 Resp: 99853

Ion Ratio Lower Upper

77 100

105 100.3 66.4 106.4

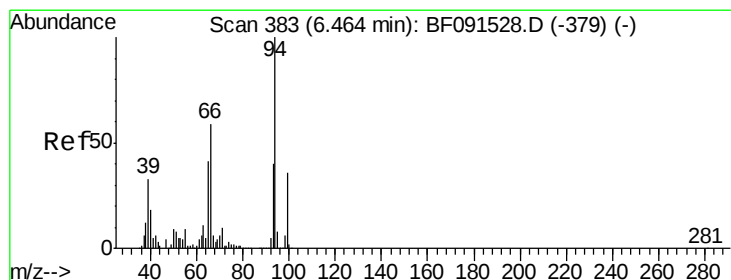
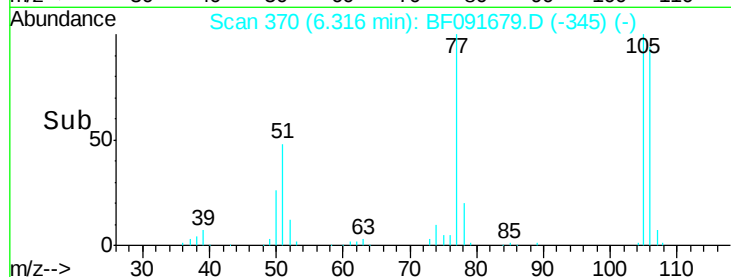
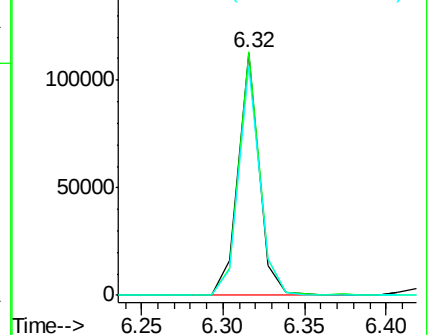
106 94.5 60.9 100.9



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: 48.25 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

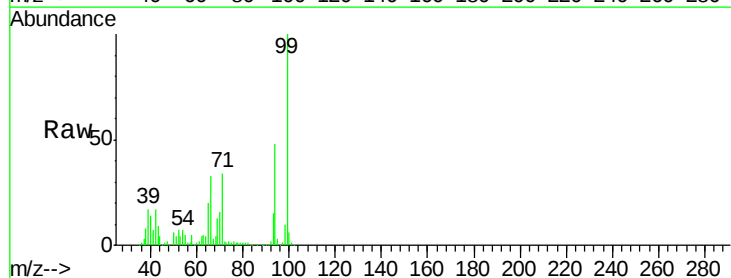
Tgt Ion: 94 Resp: 648383

Ion Ratio Lower Upper

94 100

65 40.9 16.9 56.9

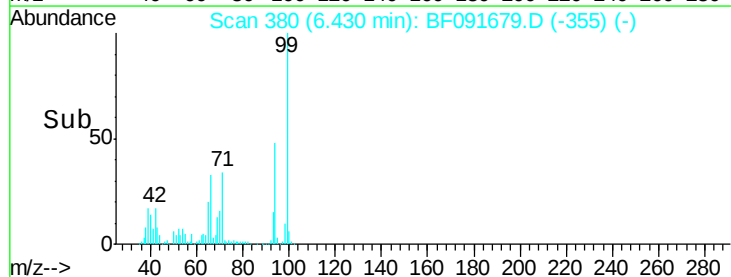
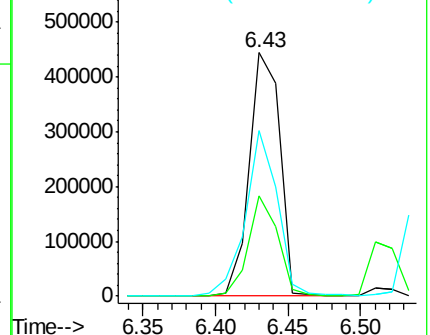
66 68.1 30.6 70.6

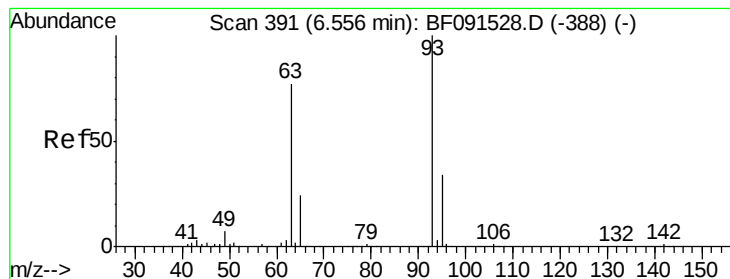


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 53.38 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

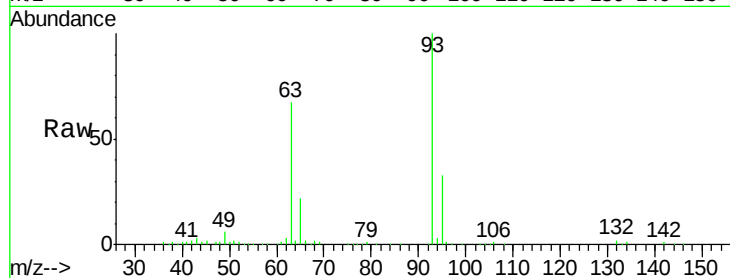
Tgt Ion: 93 Resp: 538912

Ion Ratio Lower Upper

93 100

63 67.1 74.8 114.8#

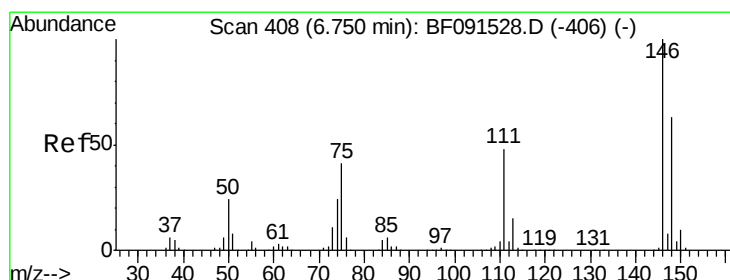
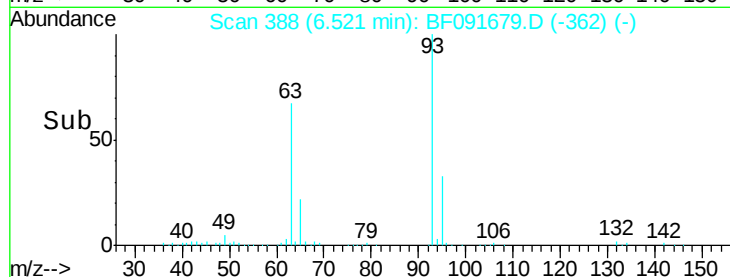
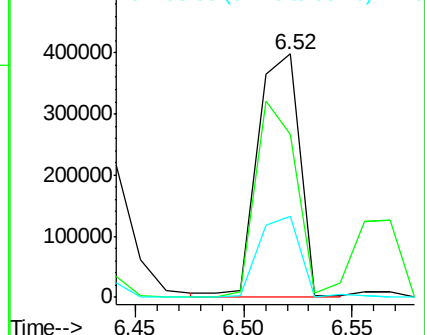
95 33.1 12.4 52.4



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 50.80 ng

RT: 6.72 min Scan# 405

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

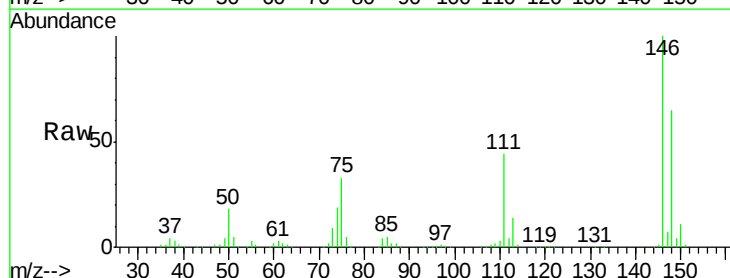
Tgt Ion: 146 Resp: 573326

Ion Ratio Lower Upper

146 100

148 65.1 51.4 77.0

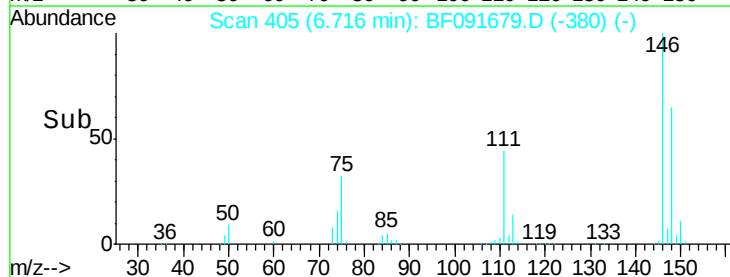
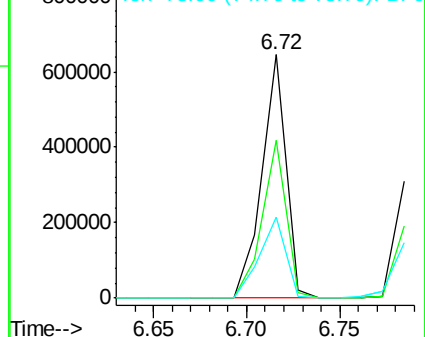
75 33.4 23.6 35.4

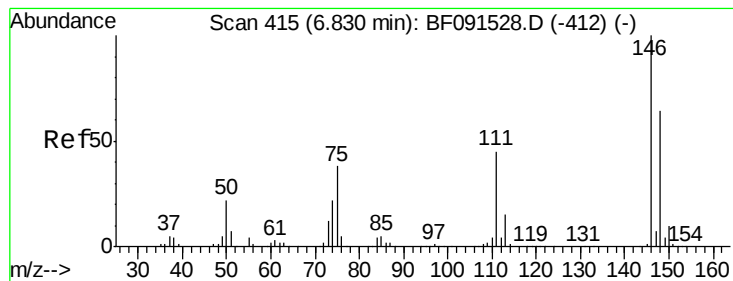


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 53.20 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

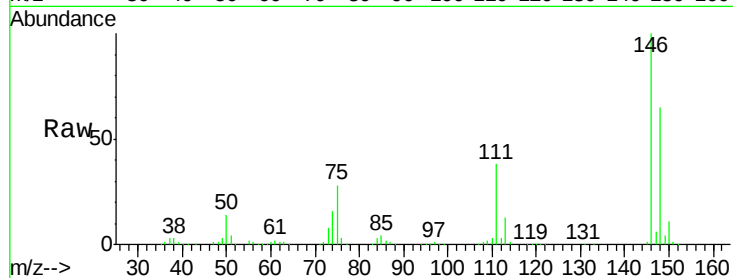
Tgt Ion:146 Resp: 592214

Ion Ratio Lower Upper

146 100

148 64.9 51.4 77.0

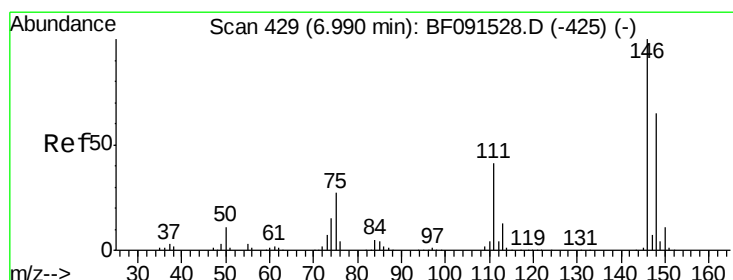
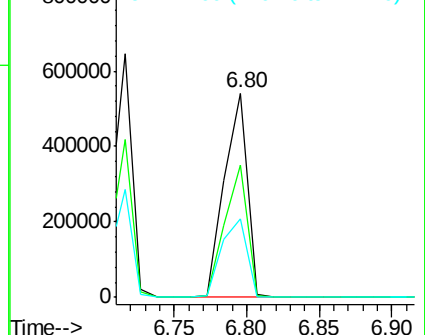
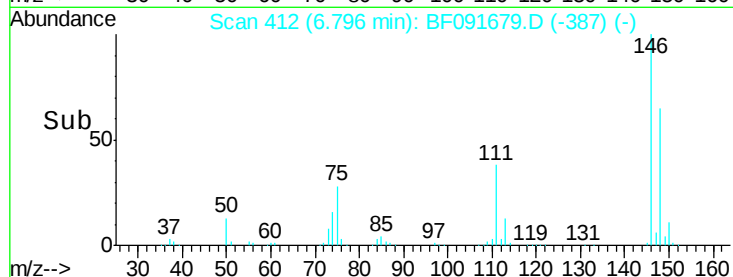
111 38.4 32.2 48.2



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: 52.08 ng

RT: 6.94 min Scan# 425

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

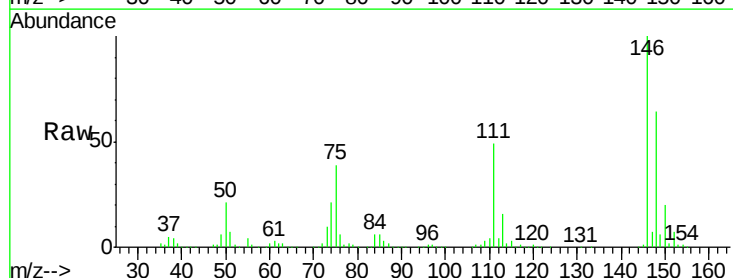
Tgt Ion:146 Resp: 522418

Ion Ratio Lower Upper

146 100

148 64.0 51.0 76.6

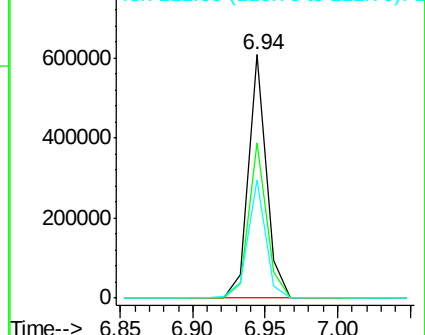
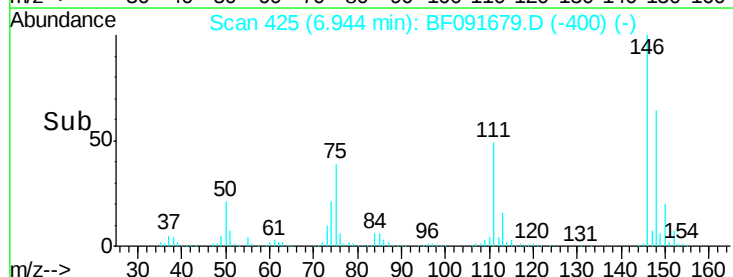
111 48.8 38.9 58.3

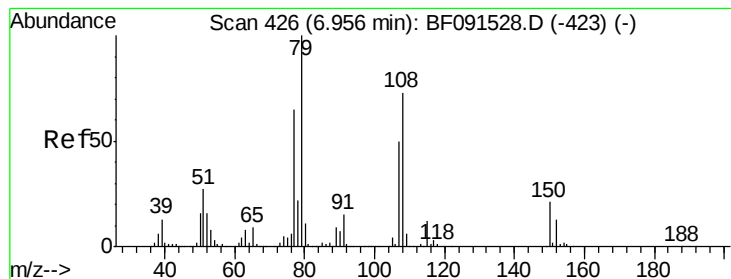


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 54.17 ng

RT: 6.92 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

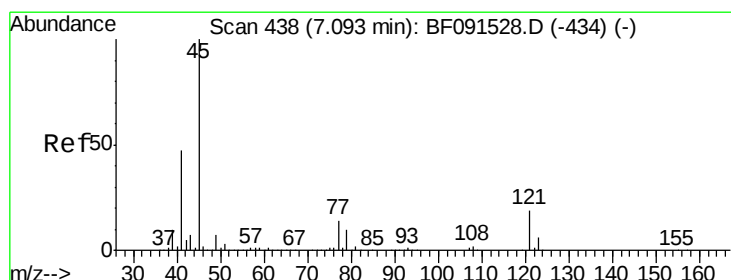
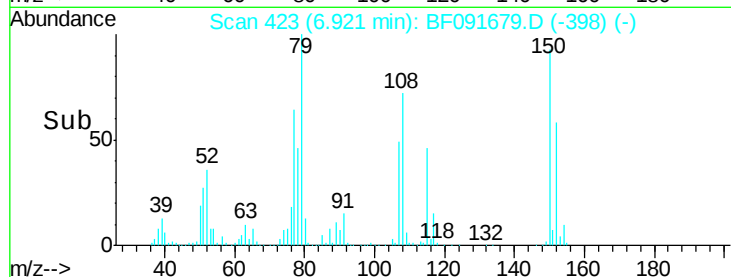
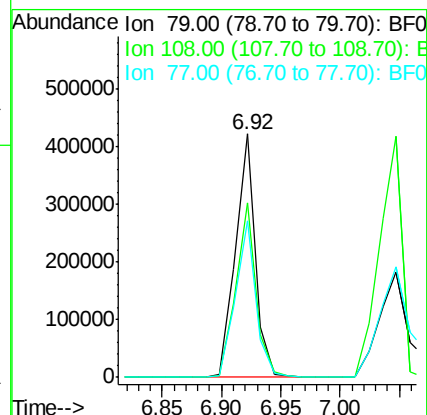
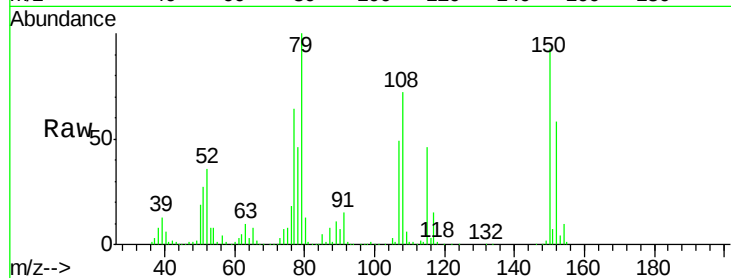
Tgt Ion: 79 Resp: 491647

Ion Ratio Lower Upper

79 100

108 71.7 62.7 94.1

77 64.2 51.7 77.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.88 ng

RT: 7.06 min Scan# 435

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

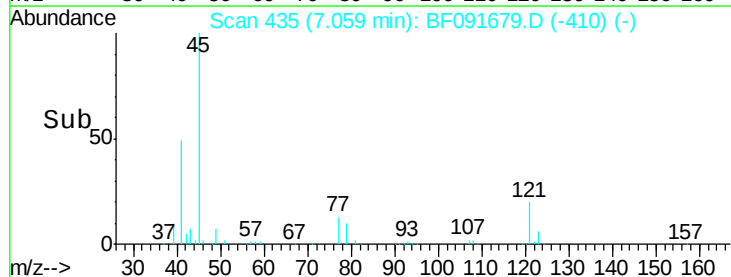
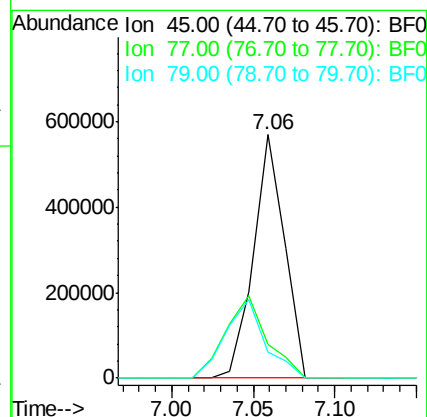
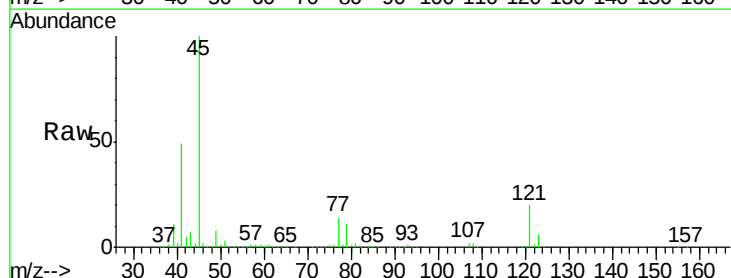
Tgt Ion: 45 Resp: 749157

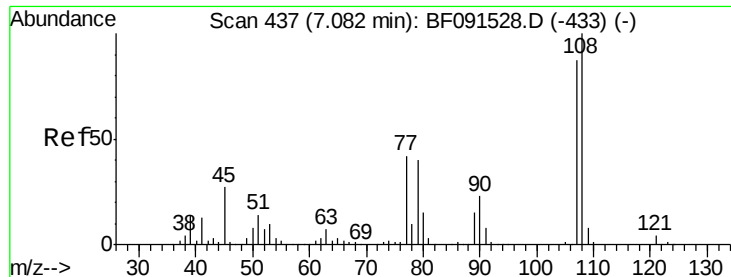
Ion Ratio Lower Upper

45 100

77 14.0 3.8 43.8

79 10.8 0.2 40.2

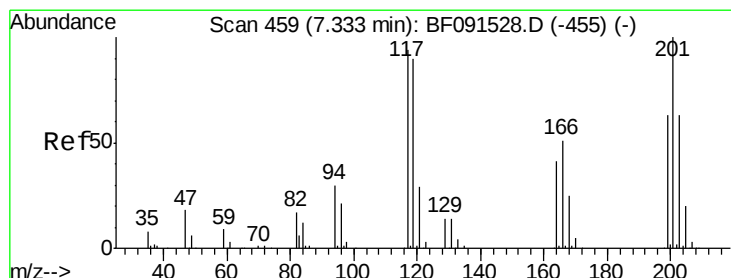
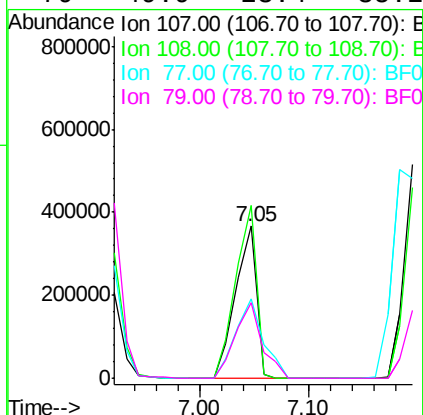
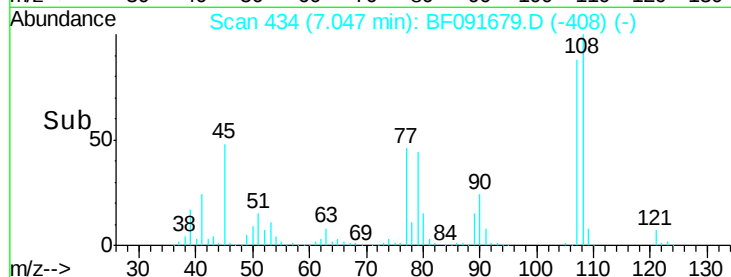
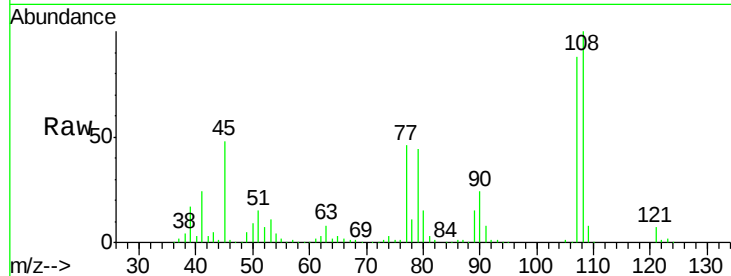




#17
2-Methylphenol
Concen: 56.10 ng
RT: 7.05 min Scan# 434
Delta R.T. -0.00 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

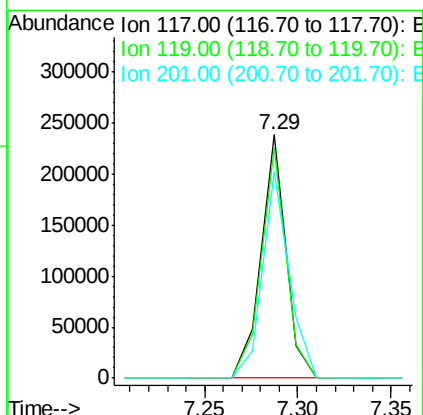
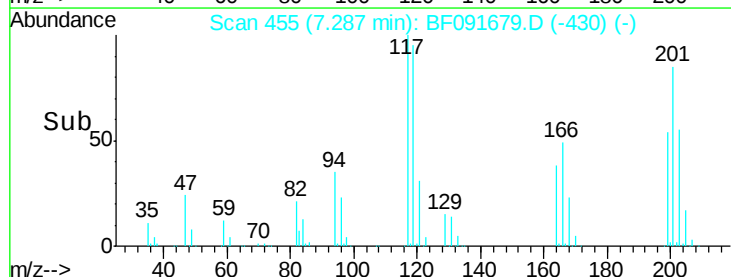
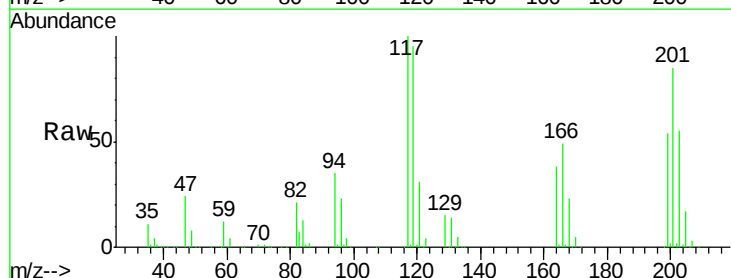
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

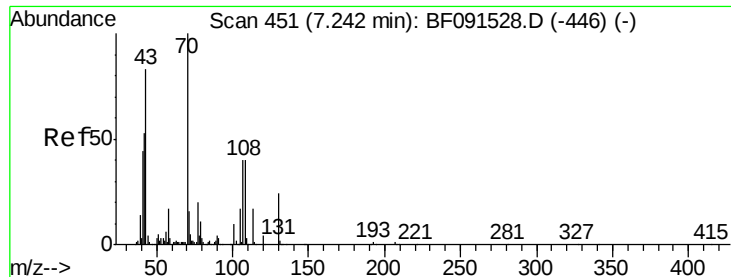
Tgt Ion:107 Resp: 483081
Ion Ratio Lower Upper
107 100
108 114.0 67.7 101.5#
77 52.5 40.7 61.1
79 49.9 23.4 35.2#



#18
Hexachloroethane
Concen: 50.43 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

Tgt Ion:117 Resp: 219062
Ion Ratio Lower Upper
117 100
119 95.0 78.6 118.0
201 85.1 86.7 130.1#

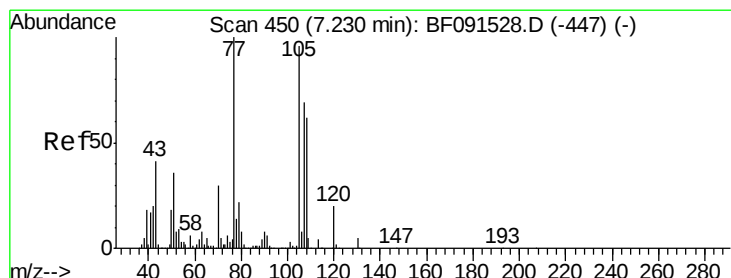
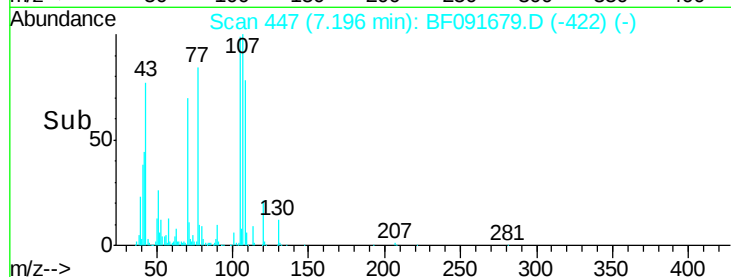
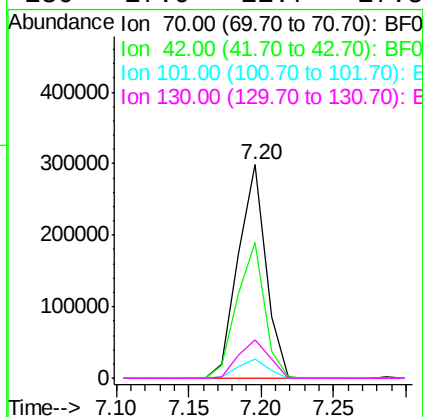
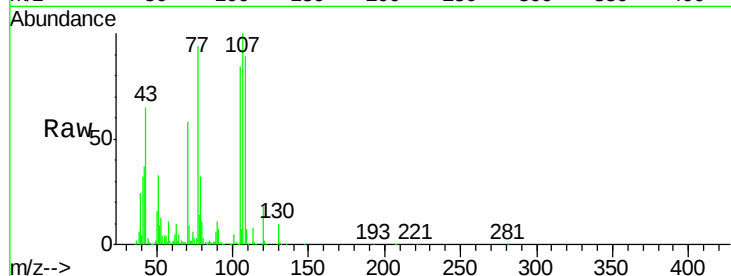




#19
n-Nitroso-di-n-propylamine
Concen: 55.20 ng
RT: 7.20 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

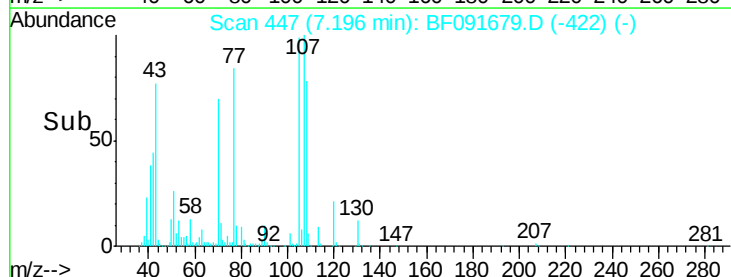
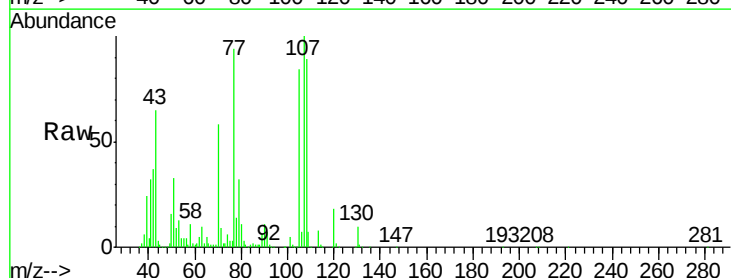
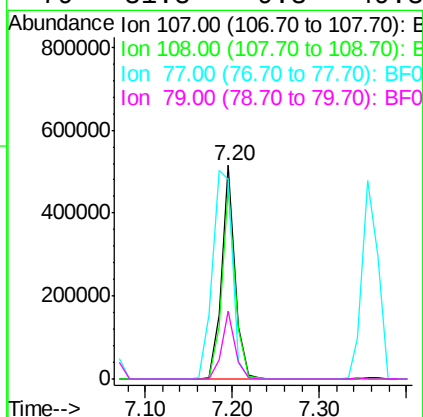
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

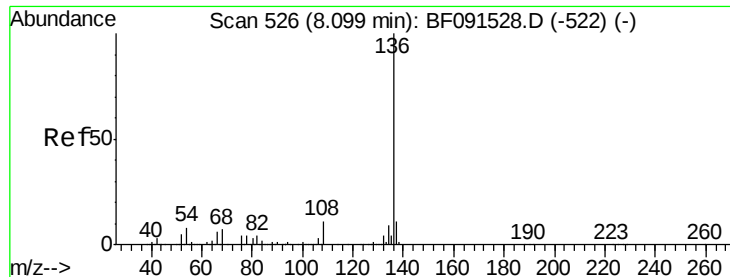
Tgt Ion: 70 Resp: 396735
Ion Ratio Lower Upper
70 100
42 63.3 64.8 97.2#
101 8.9 6.2 9.4
130 17.9 11.7 17.5#



#20
3+4-Methylphenols
Concen: 61.10 ng
RT: 7.20 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

Tgt Ion:107 Resp: 557743
Ion Ratio Lower Upper
107 100
108 89.4 64.6 104.6
77 93.7 30.9 70.9#
79 31.8 9.3 49.3

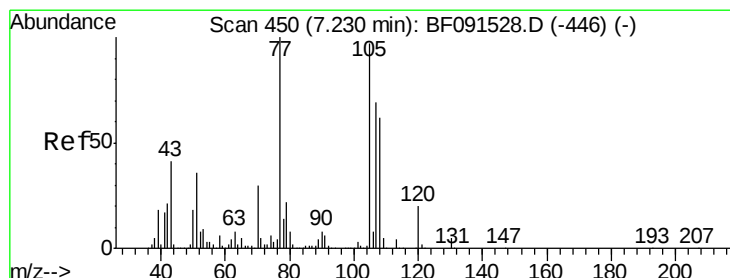
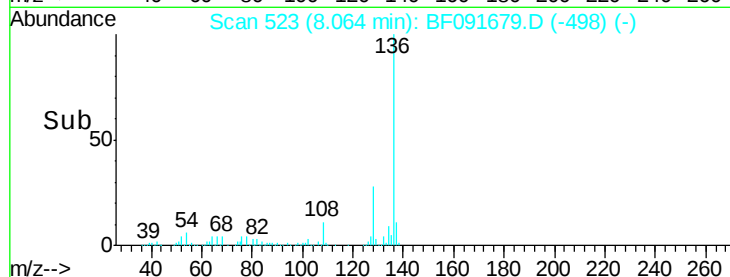
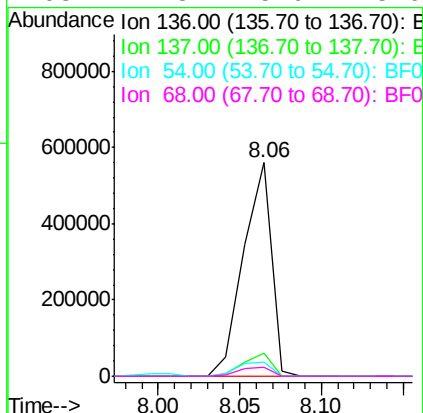
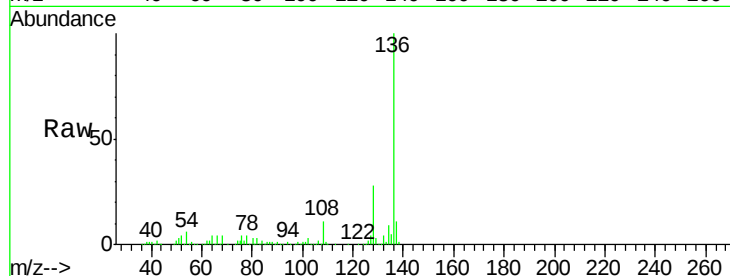




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

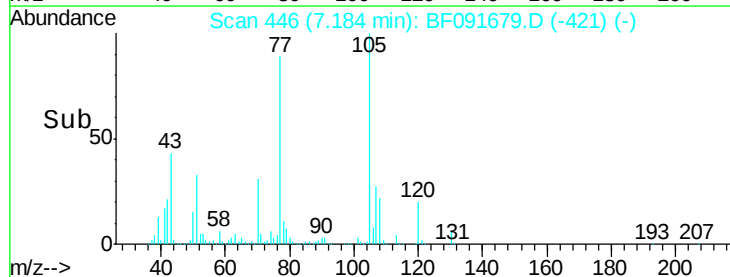
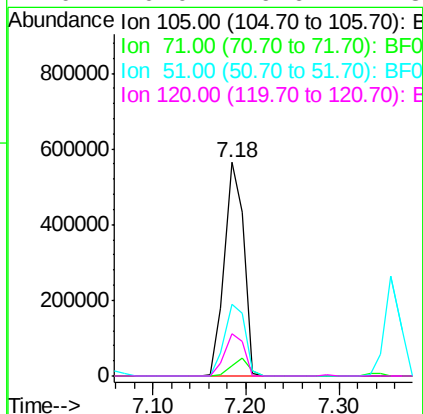
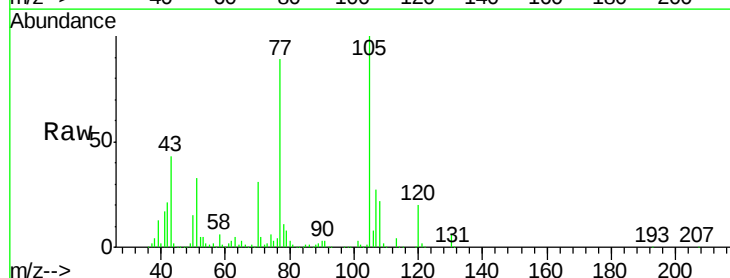
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

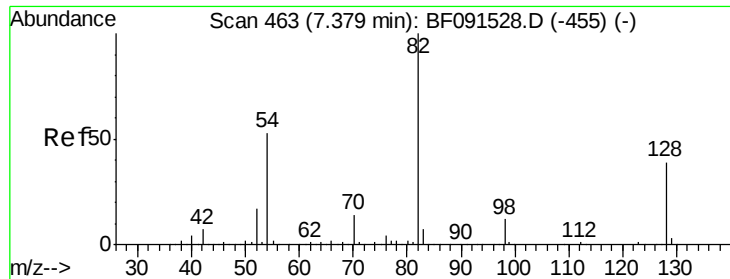
Tgt Ion:	136	Resp:	667960
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	6.4	9.1	13.7#
68	4.3	5.9	8.9#



#22
Acetophenone
Concen: 50.97 ng
RT: 7.18 min Scan# 446
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

Tgt Ion:	105	Resp:	815722
Ion	Ratio	Lower	Upper
105	100		
71	5.0	7.9	11.9#
51	33.5	24.5	36.7
120	20.0	16.6	24.8

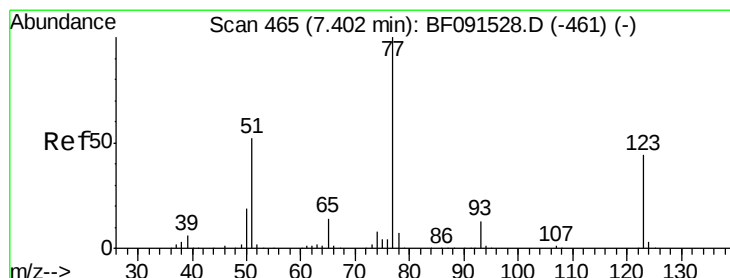
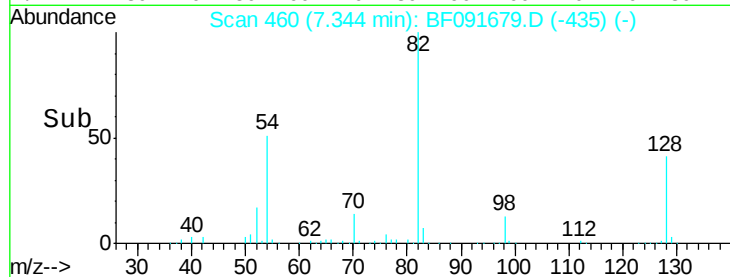
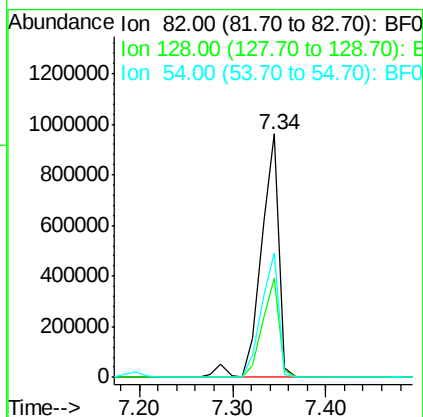
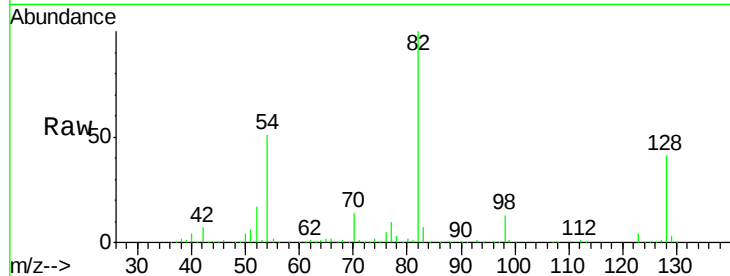




#23
 Nitrobenzene-d5
 Concen: 105.87 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

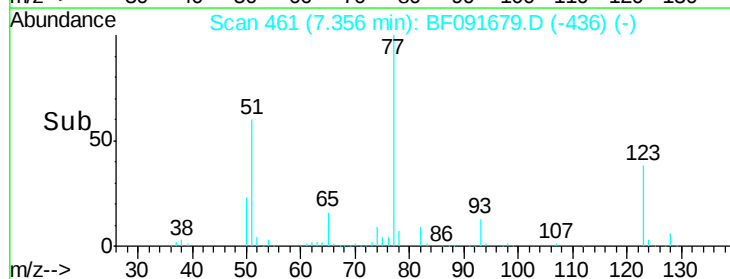
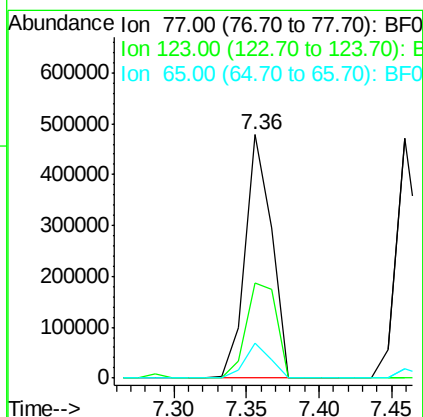
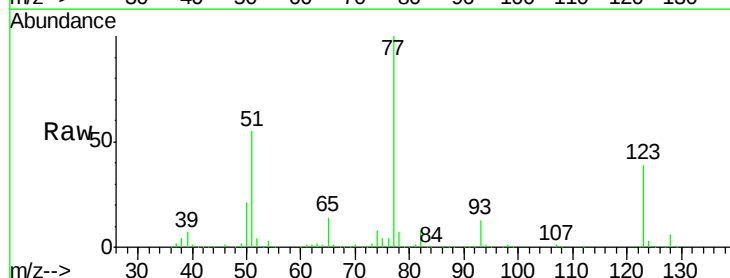
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

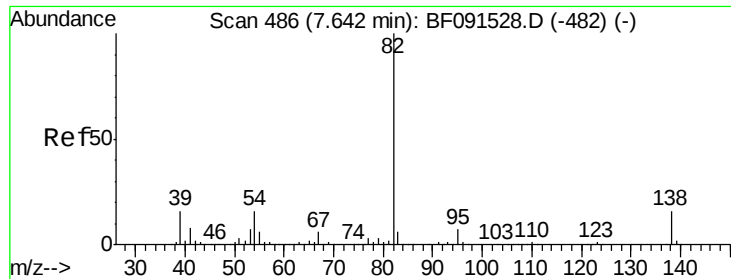
Tgt Ion: 82 Resp: 1267096
 Ion Ratio Lower Upper
 82 100
 128 40.5 31.8 47.6
 54 50.9 49.1 73.7



#24
 Nitrobenzene
 Concen: 47.81 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

Tgt Ion: 77 Resp: 604487
 Ion Ratio Lower Upper
 77 100
 123 39.3 28.5 42.7
 65 14.5 12.5 18.7





#25

Isophorone

Concen: 54.43 ng

RT: 7.61 min Scan# 483

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

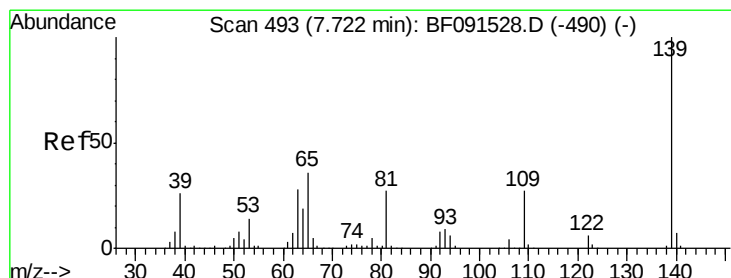
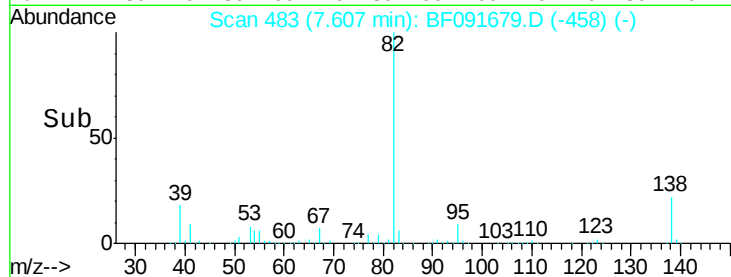
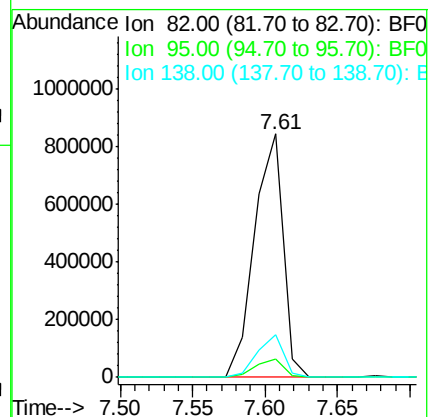
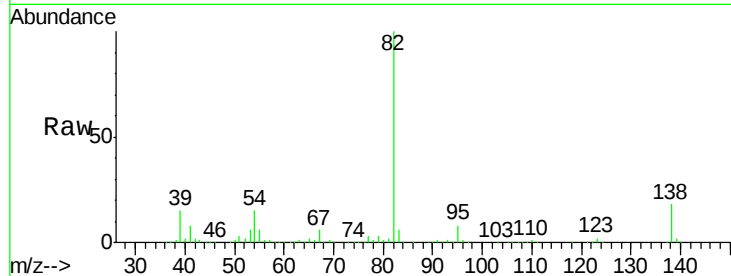
Tgt Ion: 82 Resp: 1157921

Ion Ratio Lower Upper

82 100

95 7.6 5.7 8.5

138 17.8 13.4 20.0



#26

2-Nitrophenol

Concen: 51.23 ng

RT: 7.68 min Scan# 489

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

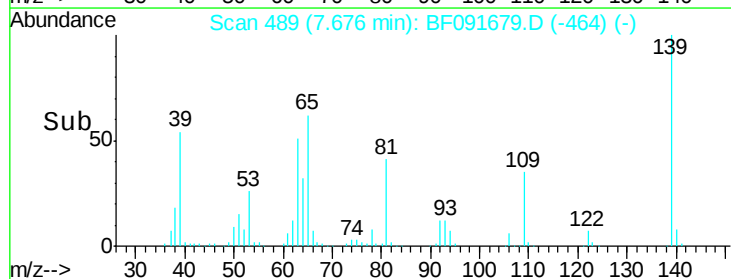
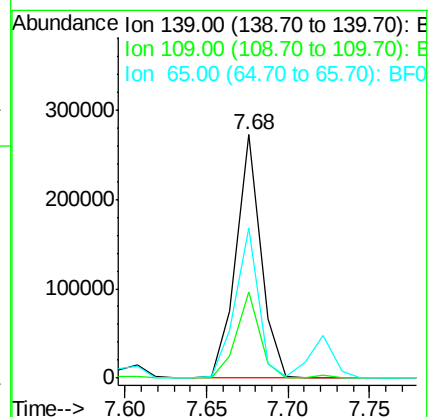
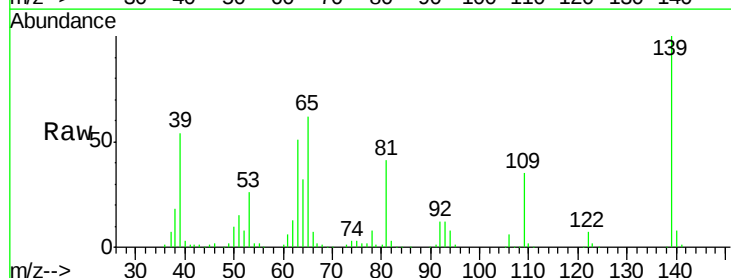
Tgt Ion: 139 Resp: 285896

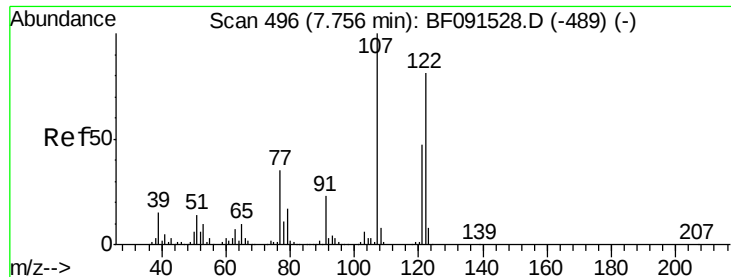
Ion Ratio Lower Upper

139 100

109 35.3 25.3 37.9

65 61.7 55.4 83.2

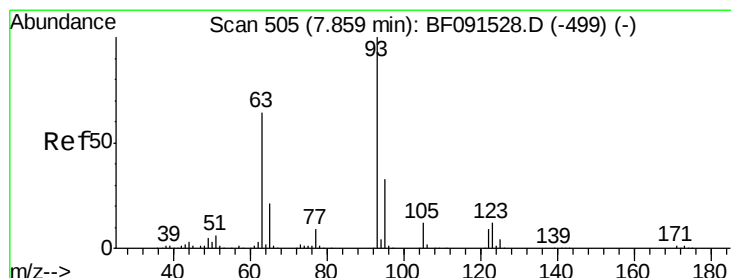
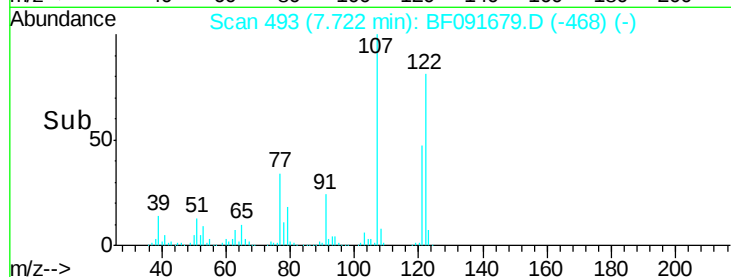
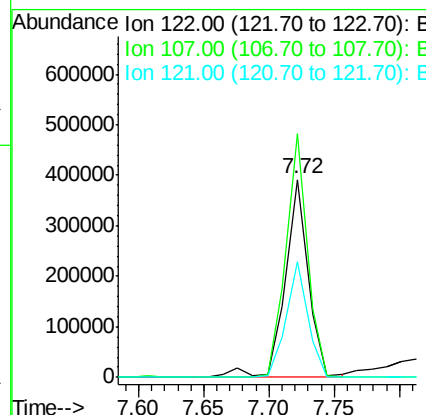
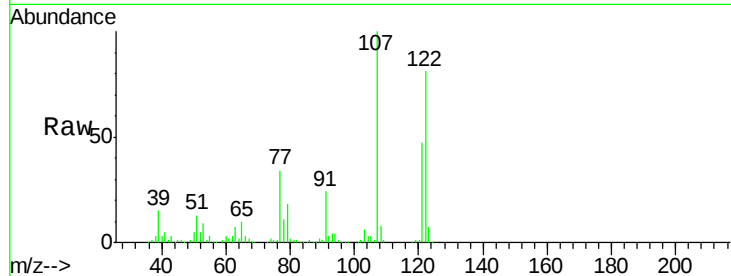




#27
 2,4-Dimethylphenol
 Concen: 48.76 ng
 RT: 7.72 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

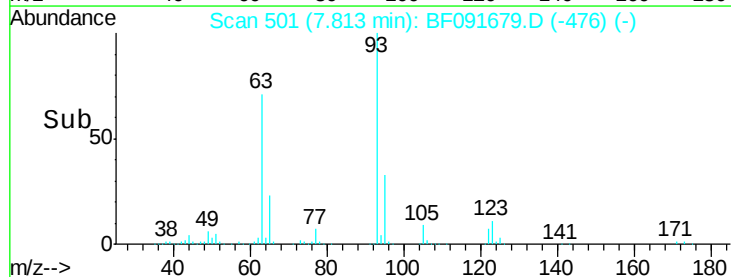
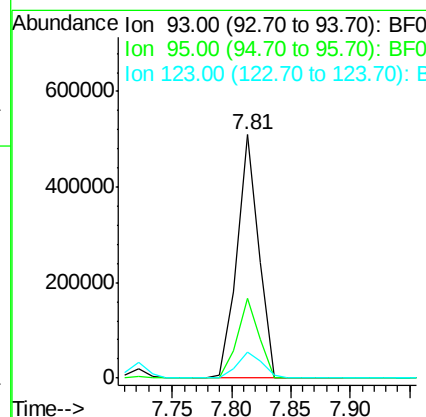
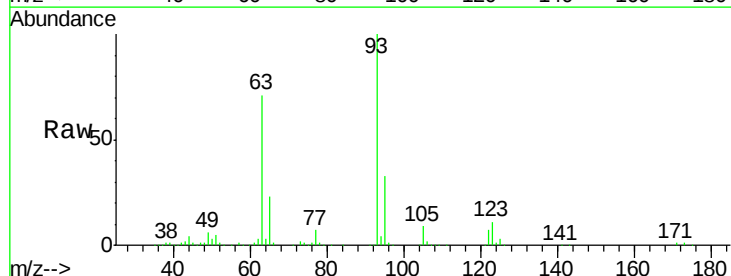
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

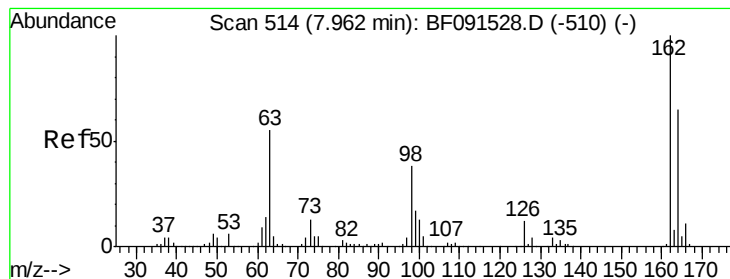
Tgt Ion	Ratio	Lower	Upper
122	100		
107	123.0	96.8	145.2
121	58.1	47.7	71.5



#28
 bis(2-Chloroethoxy)methane
 Concen: 51.73 ng
 RT: 7.81 min Scan# 501
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.0	39.0
123	10.6	8.6	12.8





#29

2,4-Dichlorophenol

Concen: 56.05 ng

RT: 7.93 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

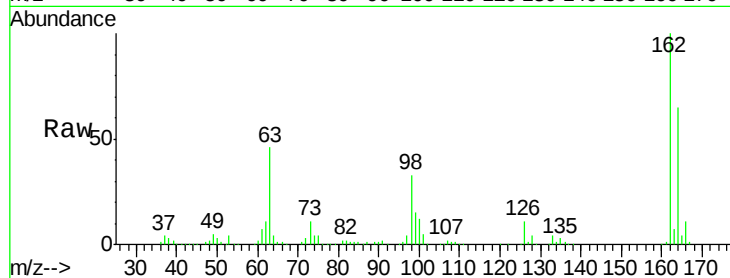
Tgt Ion:162 Resp: 478027

Ion Ratio Lower Upper

162 100

164 65.0 45.0 85.0

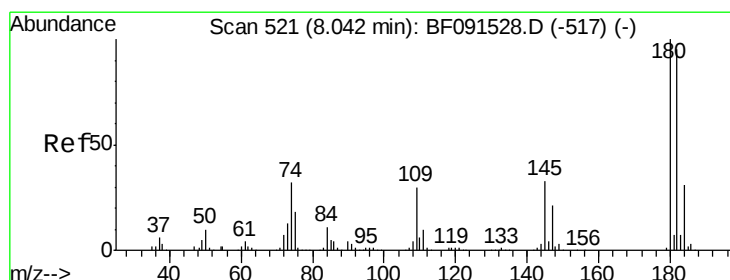
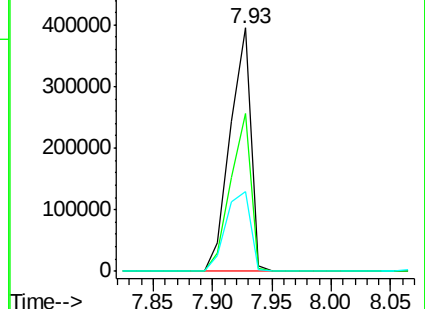
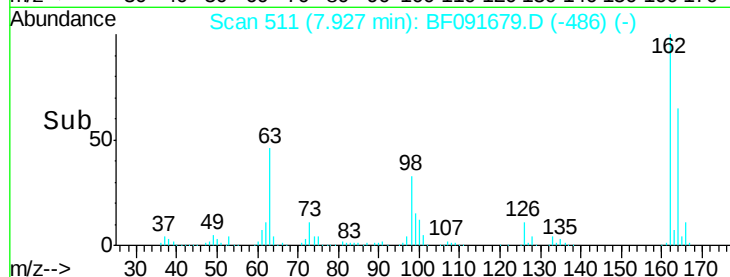
98 33.0 21.3 61.3



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 51.61 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

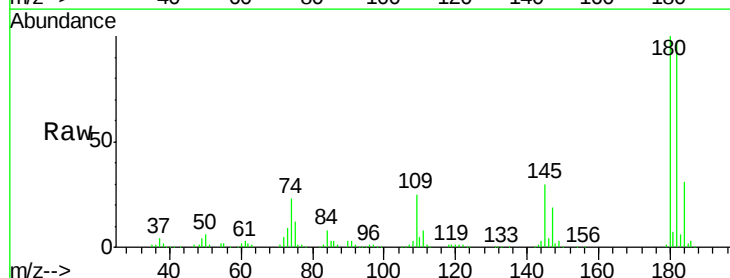
Tgt Ion:180 Resp: 500228

Ion Ratio Lower Upper

180 100

182 96.9 75.8 113.8

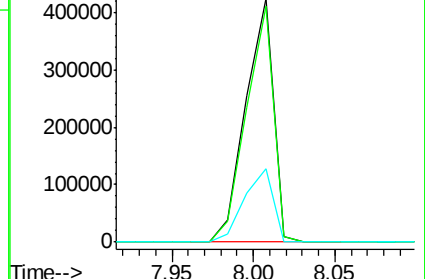
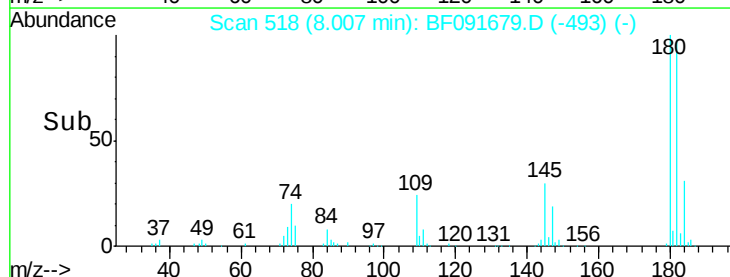
145 30.0 27.0 40.4

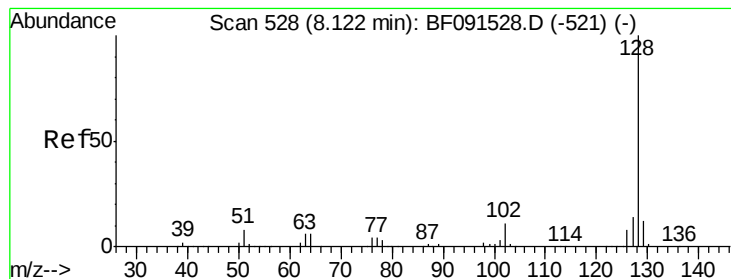


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 51.95 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

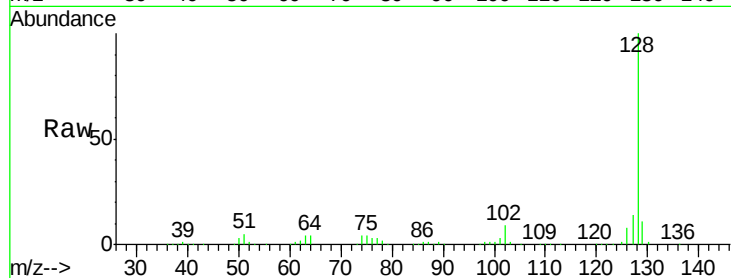
Tgt Ion:128 Resp: 1614566

Ion Ratio Lower Upper

128 100

129 10.8 9.1 13.7

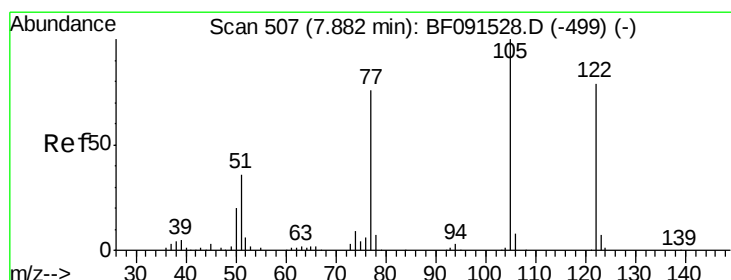
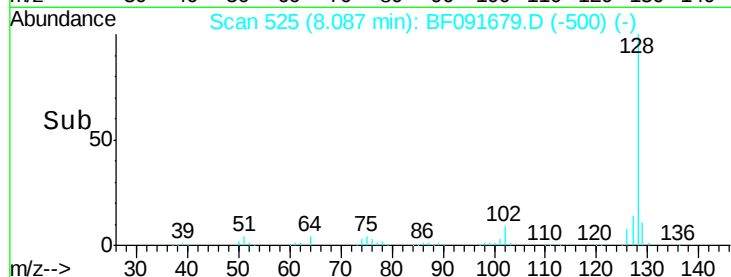
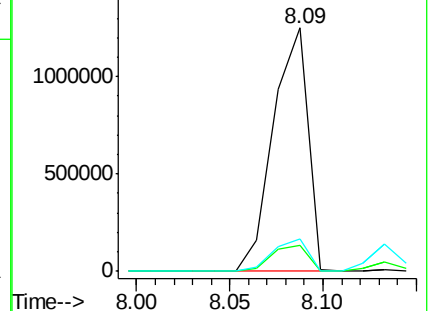
127 13.5 11.0 16.4



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: 26.35 ng

RT: 7.84 min Scan# 503

Delta R.T. -0.02 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

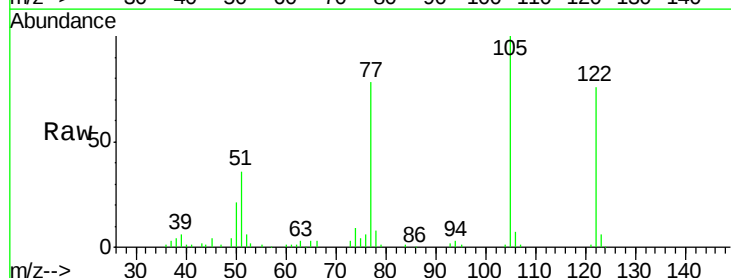
Tgt Ion:122 Resp: 168017

Ion Ratio Lower Upper

122 100

105 130.7 113.0 153.0

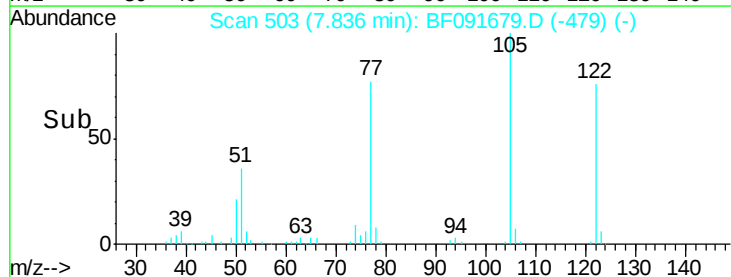
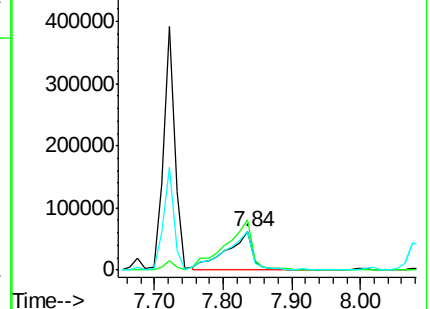
77 102.2 82.0 122.0

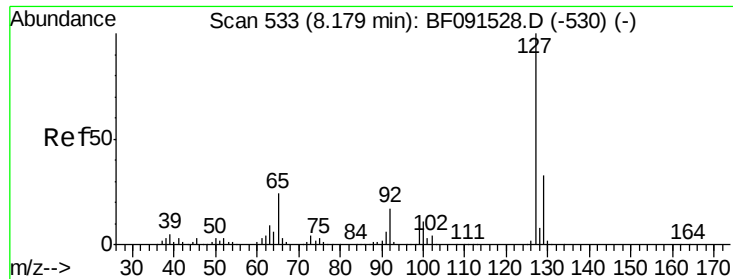


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

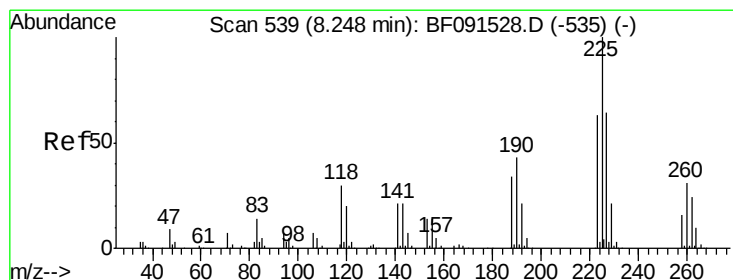
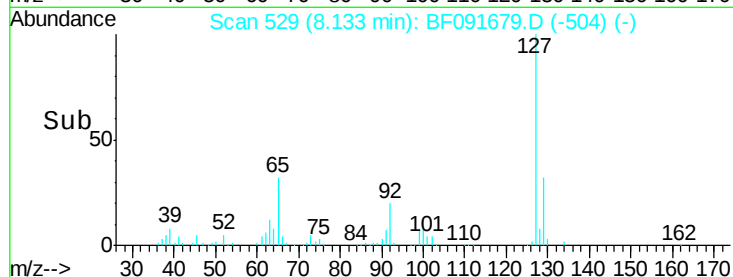
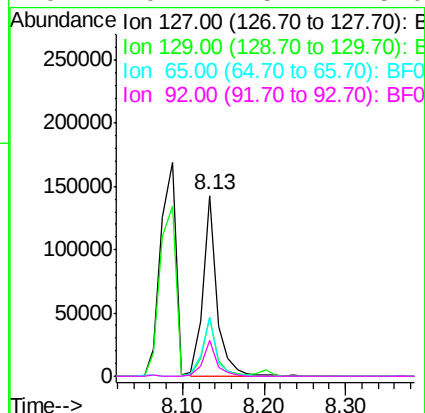
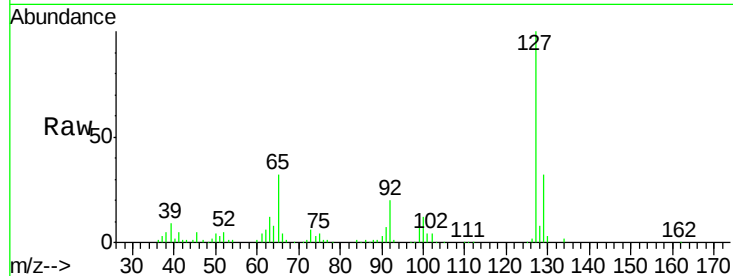




#33
 4-Chloroaniline
 Concen: 12.86 ng
 RT: 8.13 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

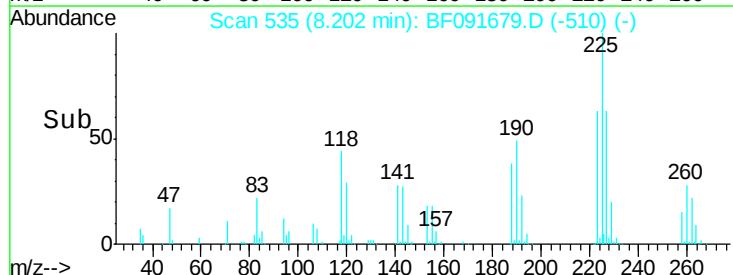
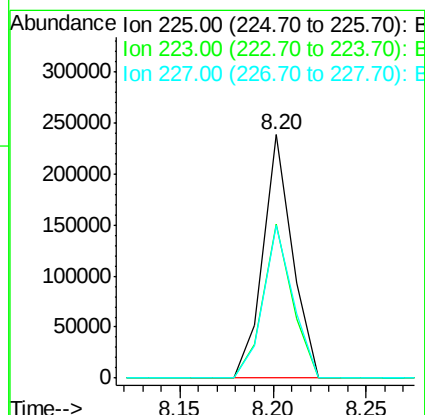
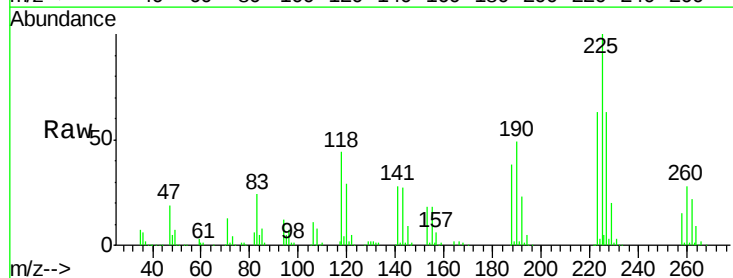
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

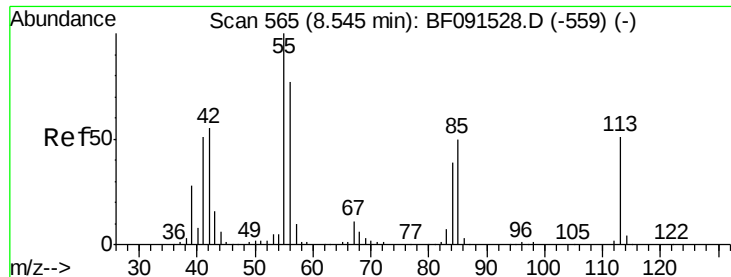
Tgt Ion:	127	Resp:	172221
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.2	39.4
65	32.4	26.6	39.8
92	19.7	15.4	23.0



#34
 Hexachlorobutadiene
 Concen: 47.45 ng
 RT: 8.20 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

Tgt Ion:	225	Resp:	263624
Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.8	74.6
227	62.9	52.6	79.0

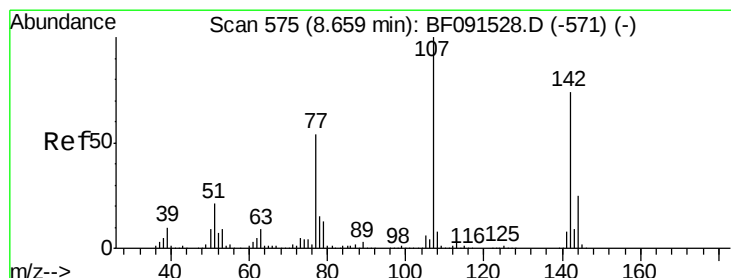
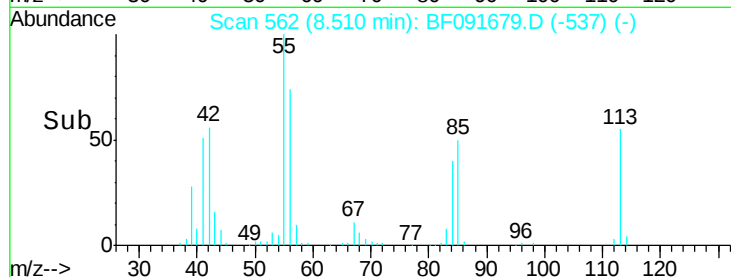
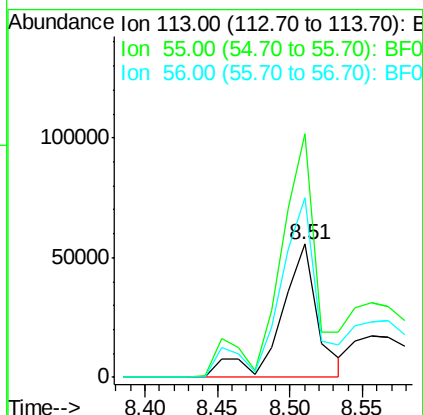
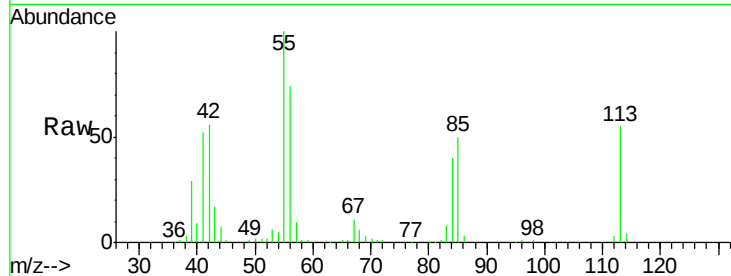




#35
 Caprolactam
 Concen: 39.44 ng
 RT: 8.51 min Scan# 562
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

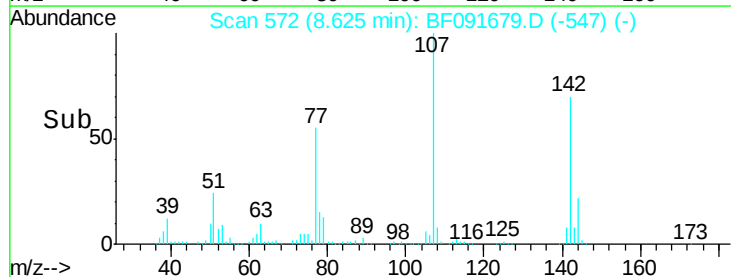
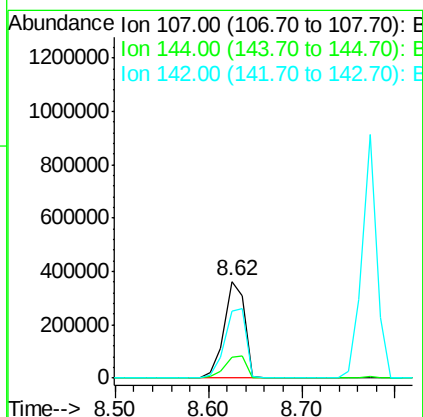
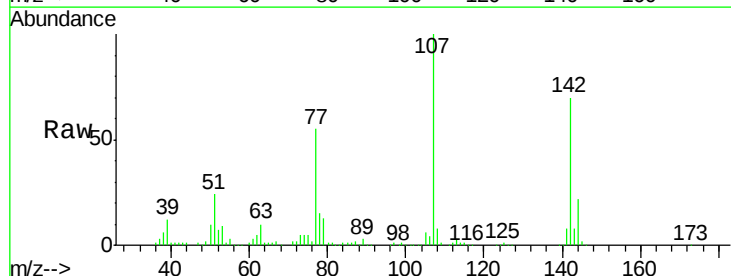
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

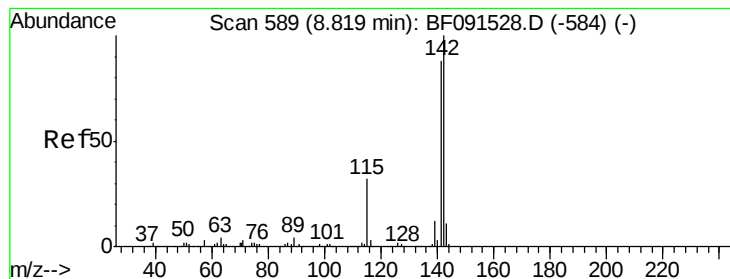
Tgt Ion:113 Resp: 98232
 Ion Ratio Lower Upper
 113 100
 55 182.7 239.8 279.8#
 56 134.7 165.6 205.6#



#36
 4-Chloro-3-methylphenol
 Concen: 58.21 ng
 RT: 8.62 min Scan# 572
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

Tgt Ion:107 Resp: 556747
 Ion Ratio Lower Upper
 107 100
 144 22.3 18.9 28.3
 142 69.8 58.5 87.7

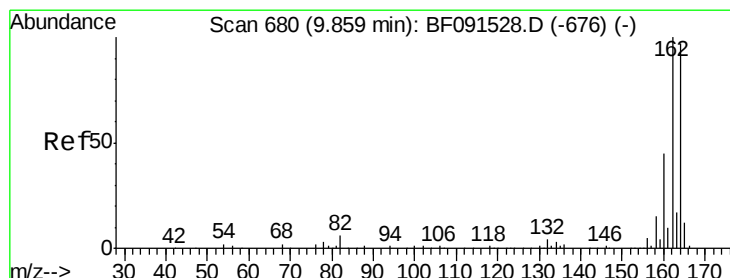
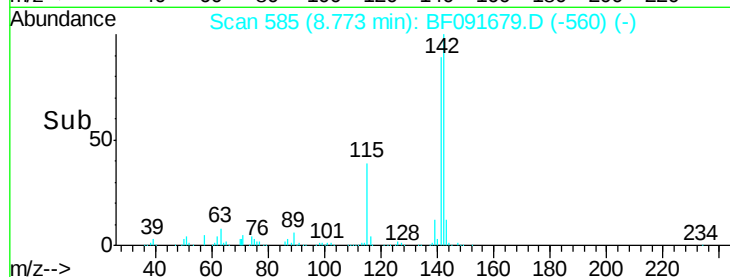
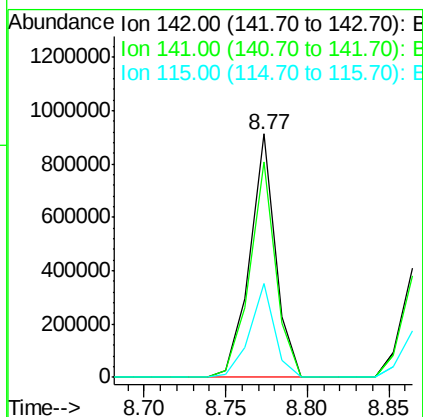
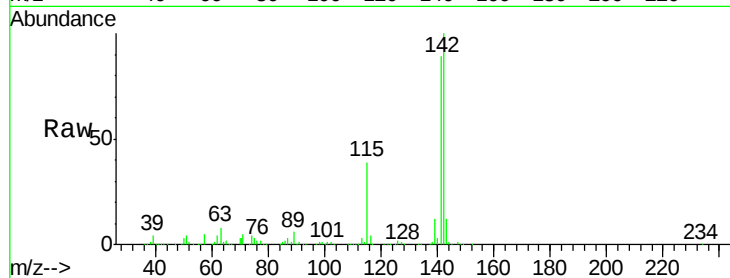




#37
 2-Methylnaphthalene
 Concen: 49.90 ng
 RT: 8.77 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

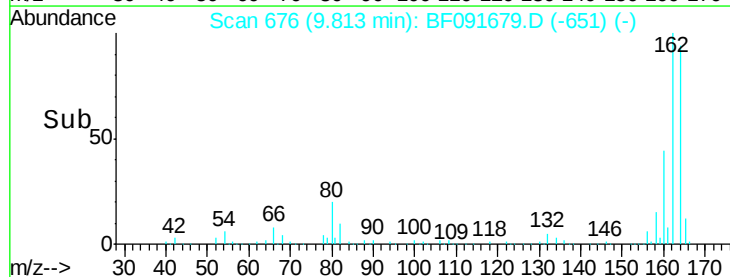
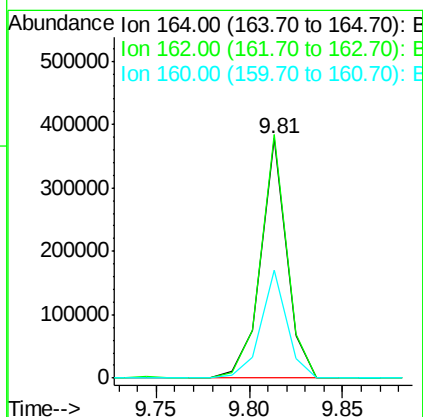
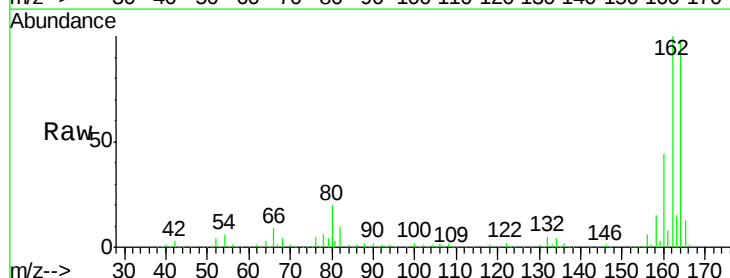
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

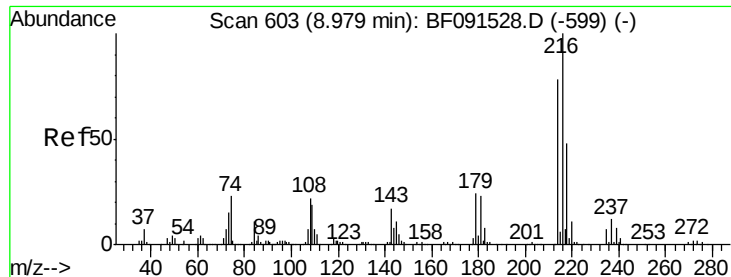
Tgt Ion:142 Resp: 1003790
 Ion Ratio Lower Upper
 142 100
 141 88.7 71.7 107.5
 115 38.7 25.0 37.6#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

Tgt Ion:164 Resp: 364347
 Ion Ratio Lower Upper
 164 100
 162 101.7 82.6 124.0
 160 45.0 36.7 55.1

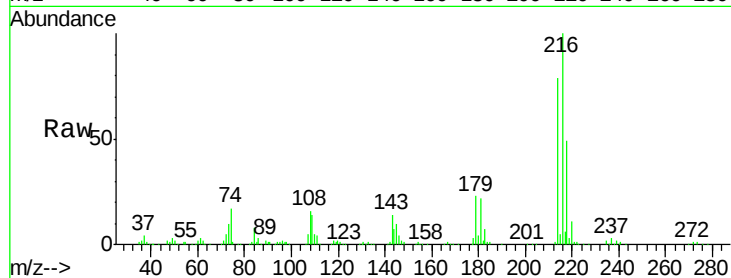




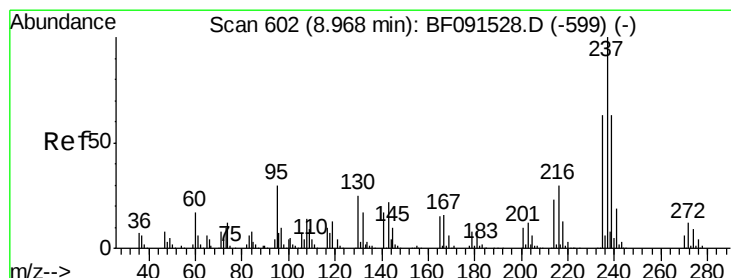
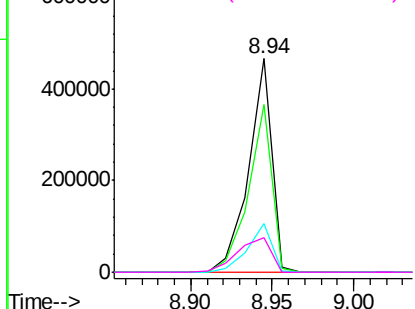
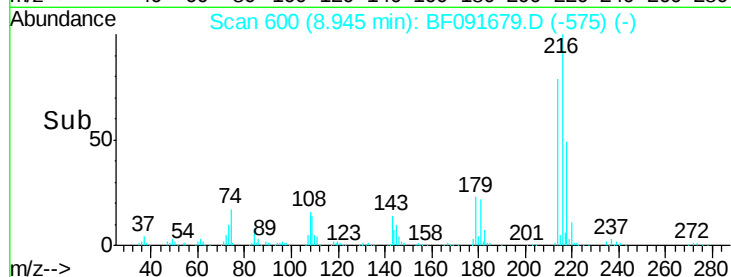
#39
1,2,4,5-Tetrachlorobenzene
Concen: 46.02 ng
RT: 8.94 min Scan# 600
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

Tgt Ion:216 Resp: 459907
Ion Ratio Lower Upper
216 100
214 79.0 63.8 95.8
179 23.6 18.2 27.2
108 23.7 17.2 25.8

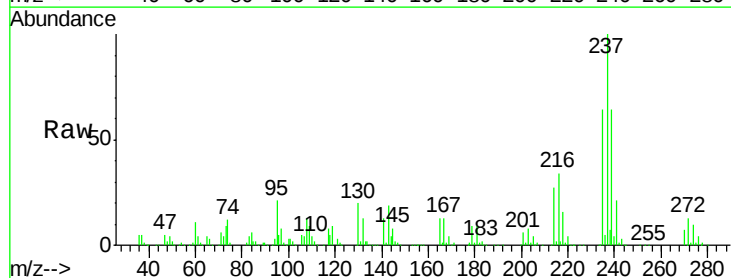


Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E

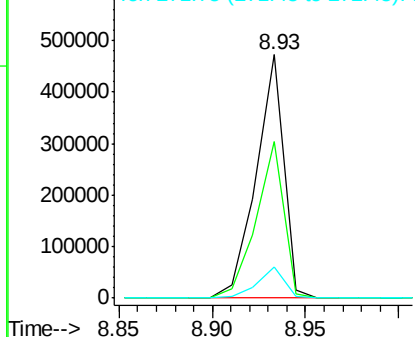
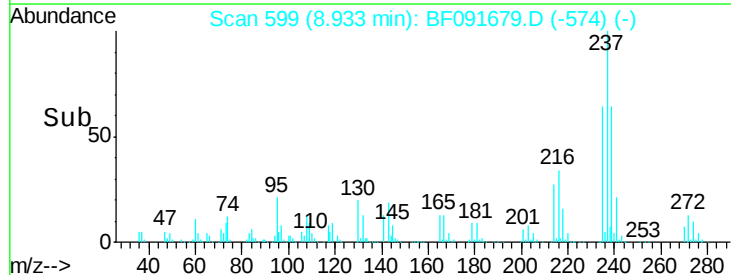


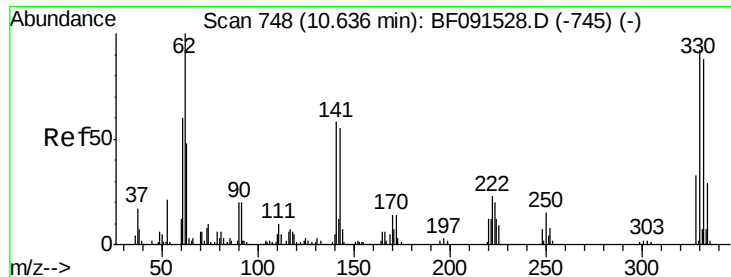
#40
Hexachlorocyclopentadiene
Concen: 108.85 ng
RT: 8.93 min Scan# 599
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

Tgt Ion:237 Resp: 484955
Ion Ratio Lower Upper
237 100
235 64.2 43.9 83.9
272 13.0 0.0 33.1



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

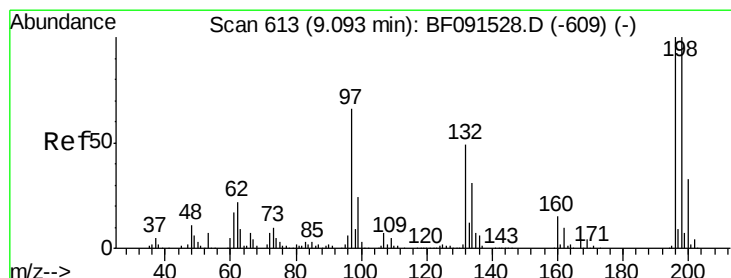
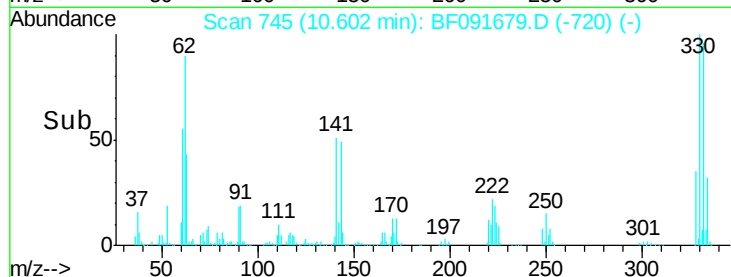
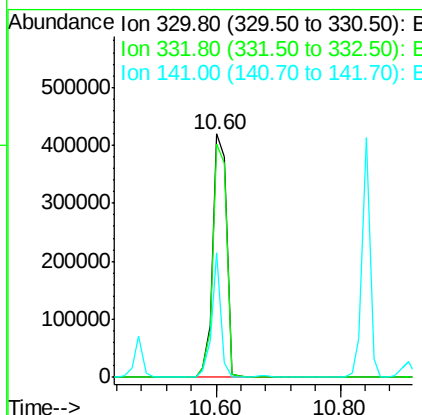
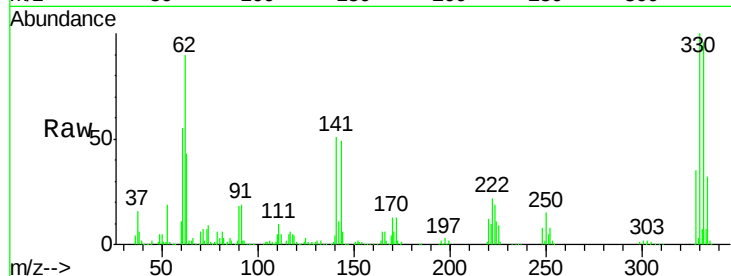




#41
 2,4,6-Tribromophenol
 Concen: 208.62 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

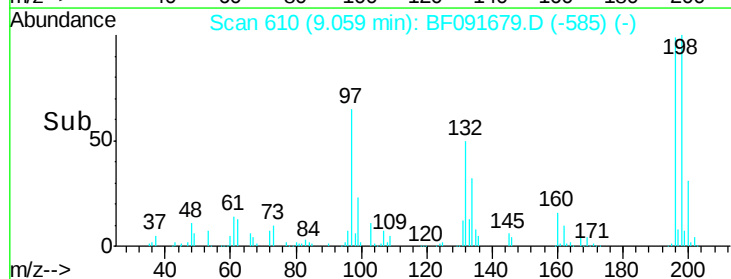
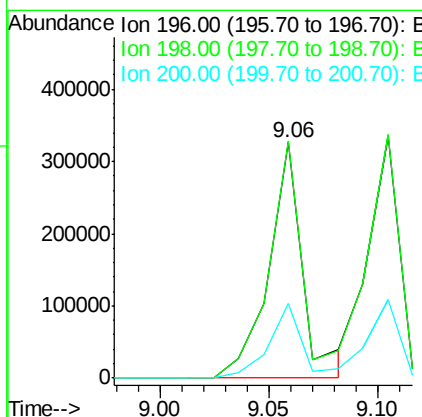
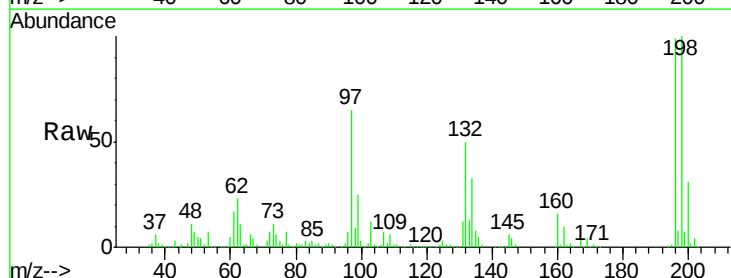
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

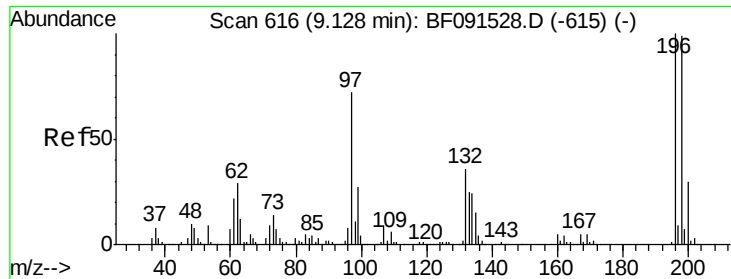
Tgt Ion:330 Resp: 631321
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.2 114.4
 141 34.5 33.6 50.4



#42
 2,4,6-Trichlorophenol
 Concen: 55.72 ng
 RT: 9.06 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

Tgt Ion:196 Resp: 357791
 Ion Ratio Lower Upper
 196 100
 198 100.6 77.4 116.0
 200 31.7 25.2 37.8

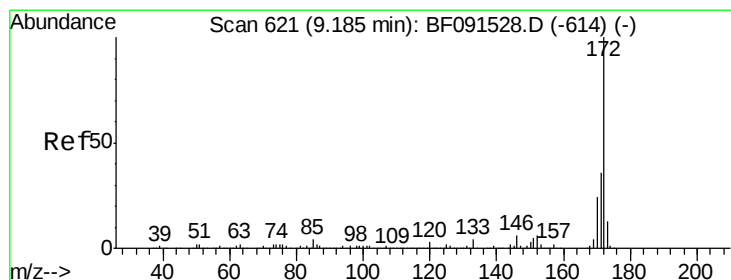
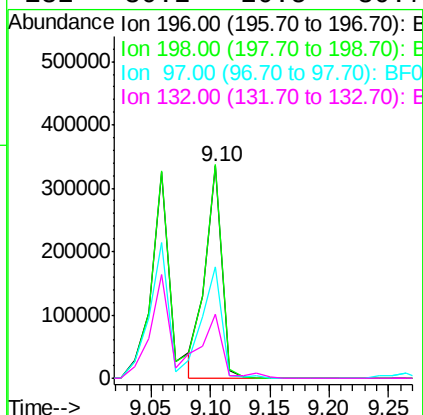
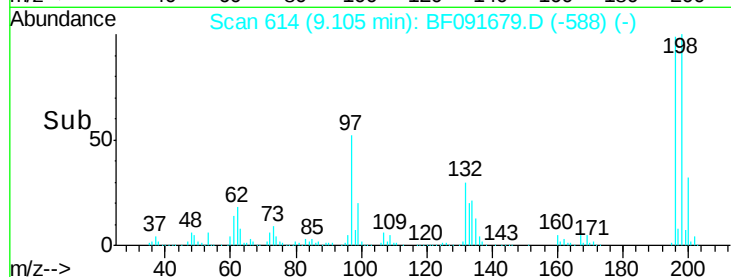
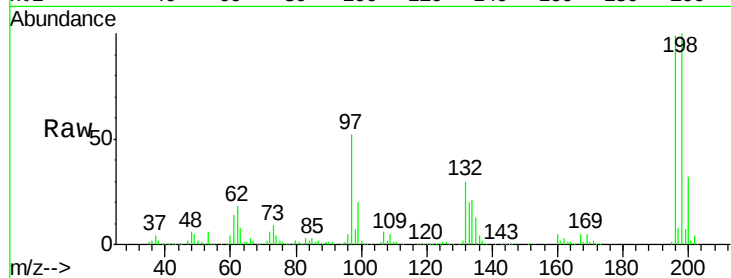




#43
 2,4,5-Trichlorophenol
 Concen: 50.16 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

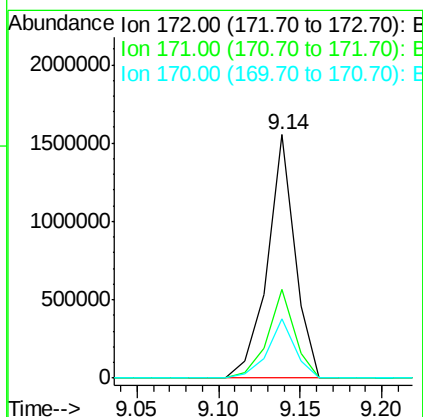
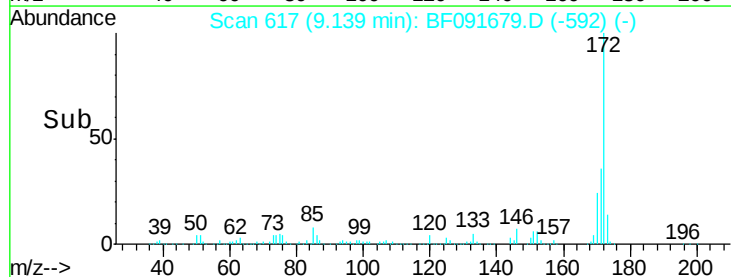
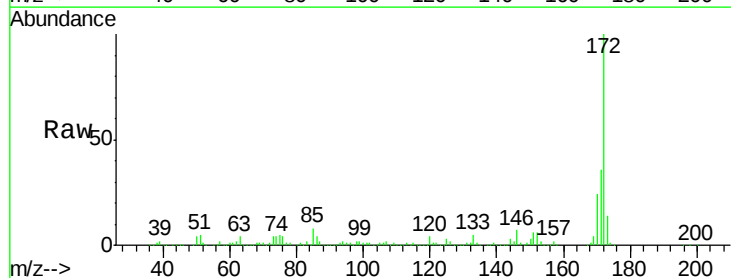
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

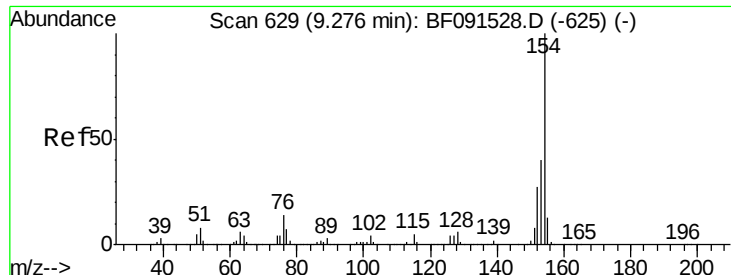
Tgt Ion	Ratio	Lower	Upper
196	100		
198	100.6	77.0	115.6
97	52.3	33.5	50.3
132	30.2	20.5	30.7



#44
 2-Fluorobiphenyl
 Concen: 86.53 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	24.3	19.7	29.5

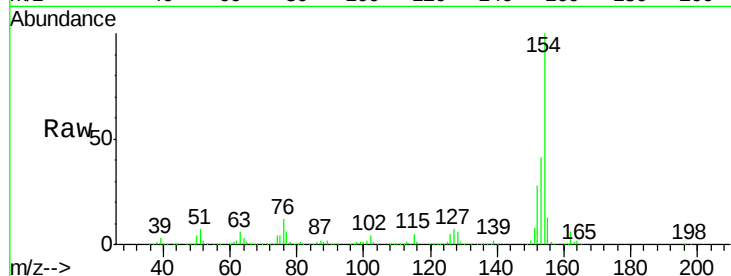




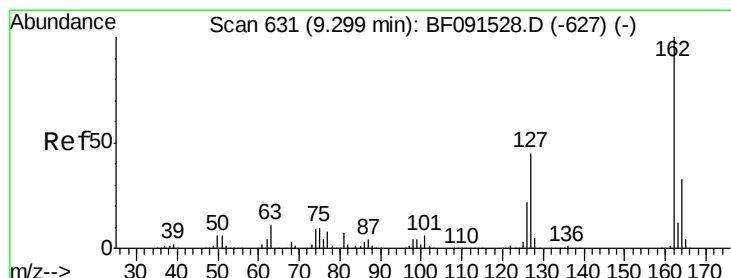
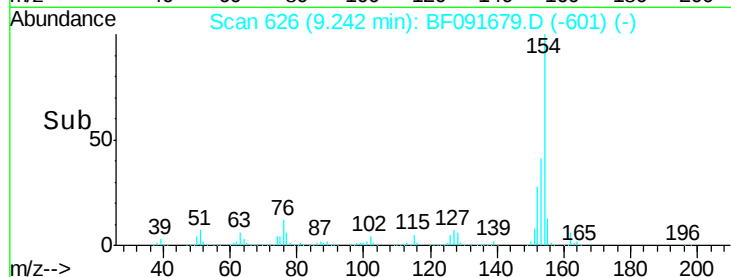
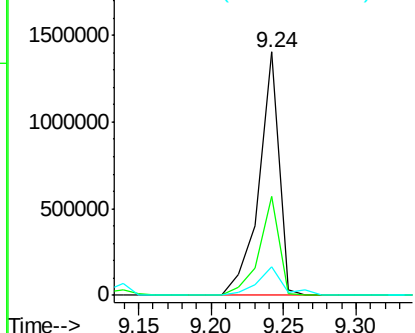
#45
 1,1'-Biphenyl
 Concen: 50.98 ng
 RT: 9.24 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

Tgt Ion:154 Resp: 1345449
 Ion Ratio Lower Upper
 154 100
 153 40.6 20.6 60.6
 76 12.0 0.0 36.6

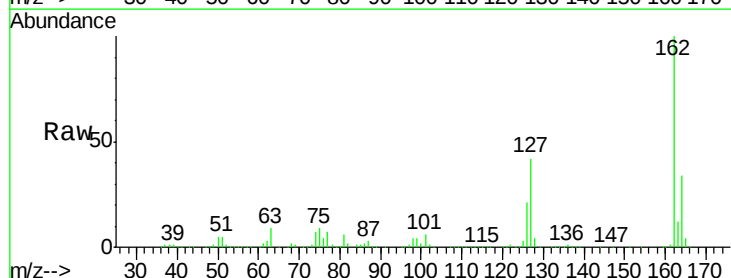


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

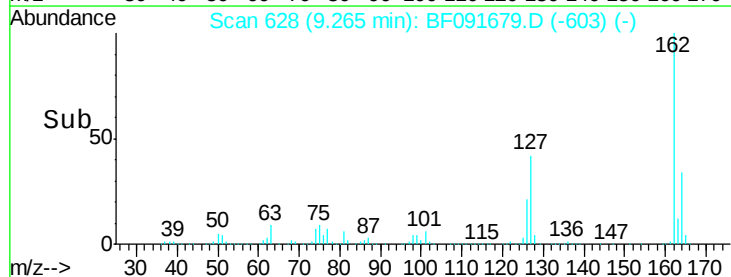
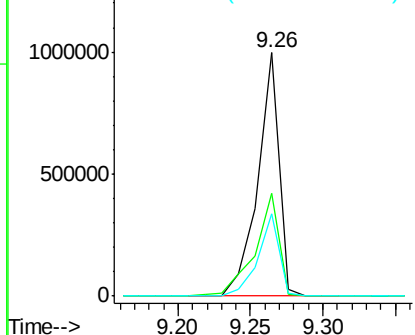


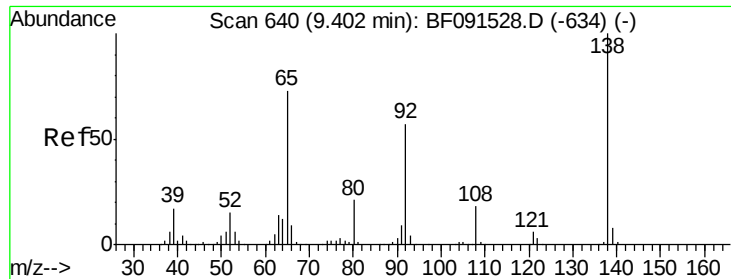
#46
 2-Chloronaphthalene
 Concen: 49.57 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

Tgt Ion:162 Resp: 1012972
 Ion Ratio Lower Upper
 162 100
 127 42.2 34.3 51.5
 164 33.6 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: 47.81 ng

RT: 9.36 min Scan# 636

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

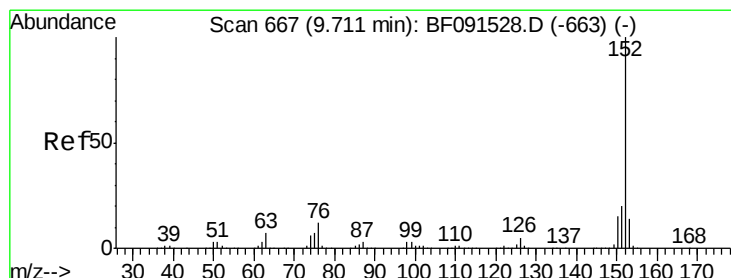
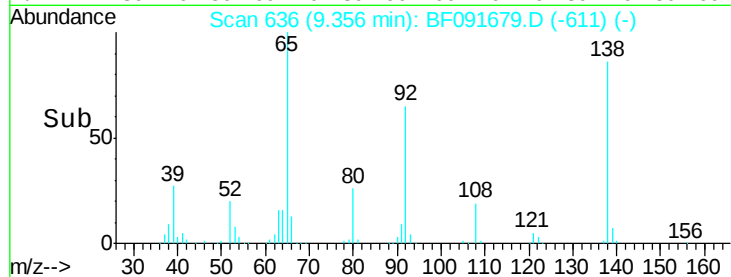
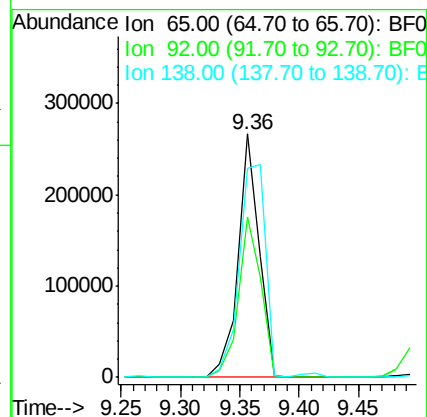
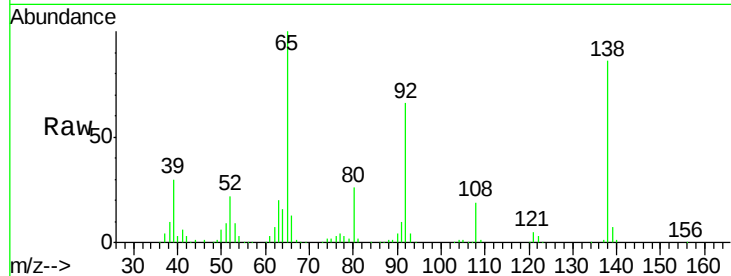
Tgt Ion: 65 Resp: 328576

Ion Ratio Lower Upper

65 100

92 65.6 53.6 80.4

138 85.8 91.0 136.6#



#48

Acenaphthylene

Concen: 46.88 ng

RT: 9.68 min Scan# 664

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

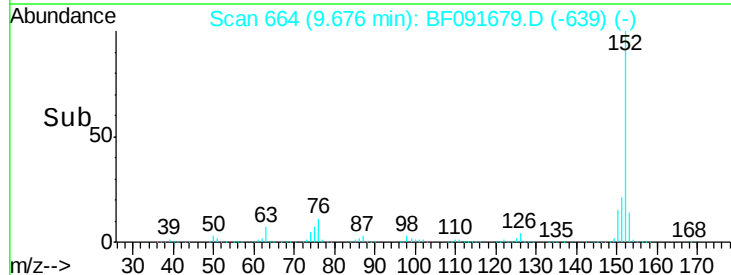
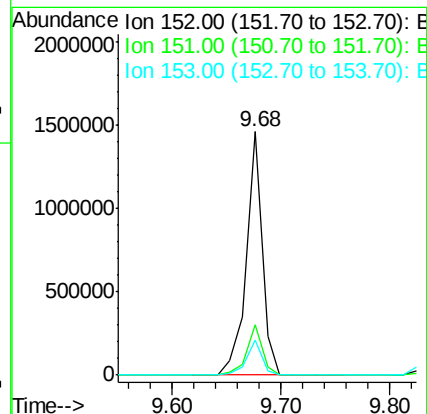
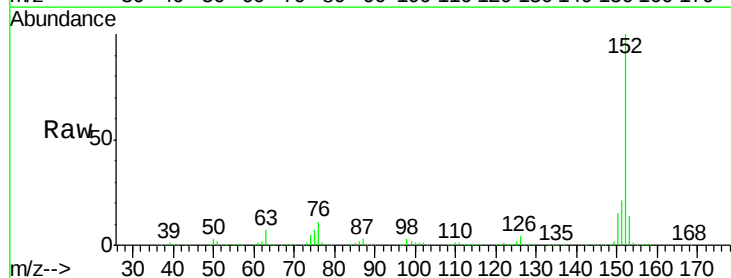
Tgt Ion: 152 Resp: 1460462

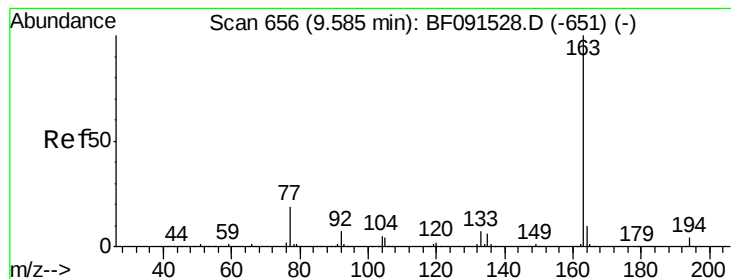
Ion Ratio Lower Upper

152 100

151 20.7 16.6 24.8

153 14.3 10.7 16.1





#49

Dimethylphthalate

Concen: 61.72 ng

RT: 9.55 min Scan# 653

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

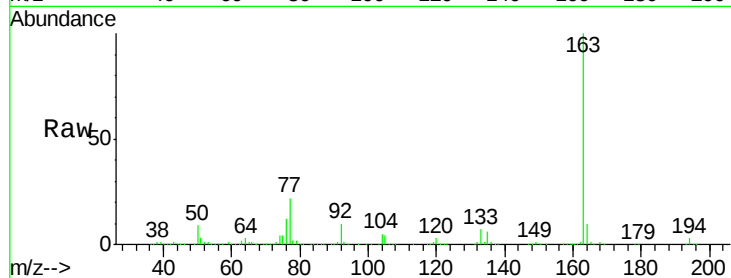
Tgt Ion:163 Resp: 1424010

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

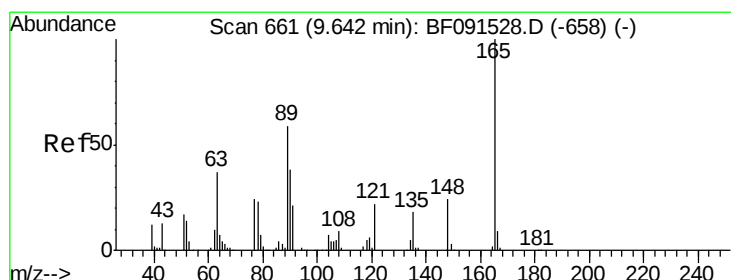
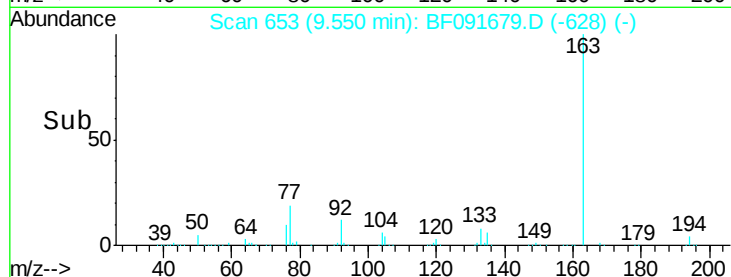
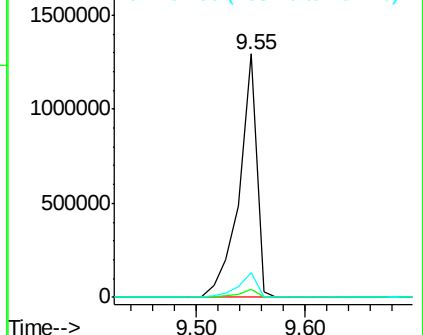
164 10.2 7.8 11.8



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: 57.29 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

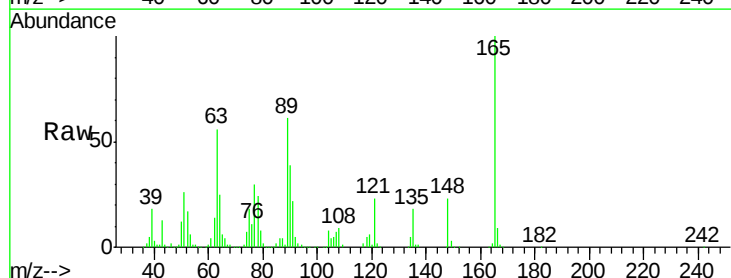
Tgt Ion:165 Resp: 290073

Ion Ratio Lower Upper

165 100

63 55.6 59.4 89.0#

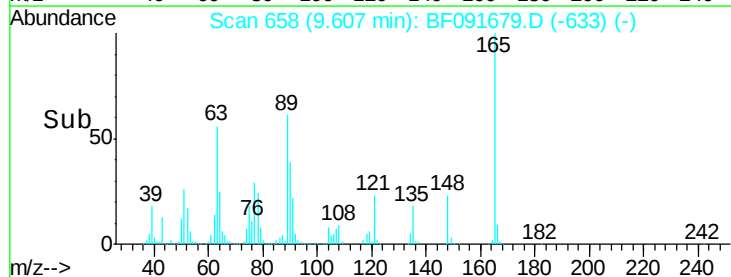
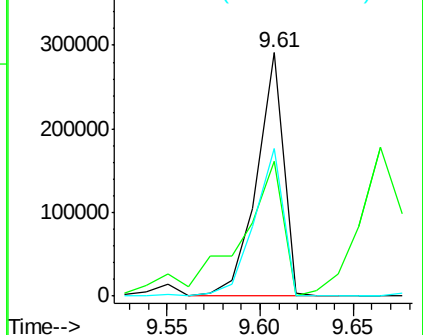
89 60.5 50.8 76.2

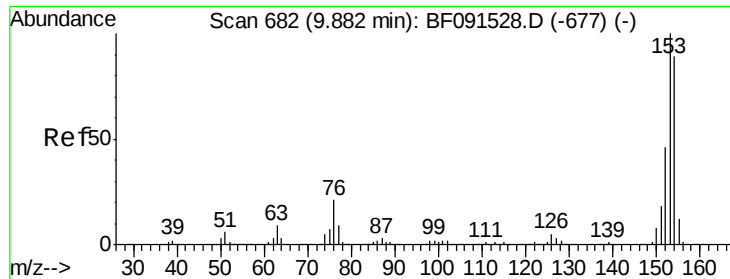


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 52.05 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

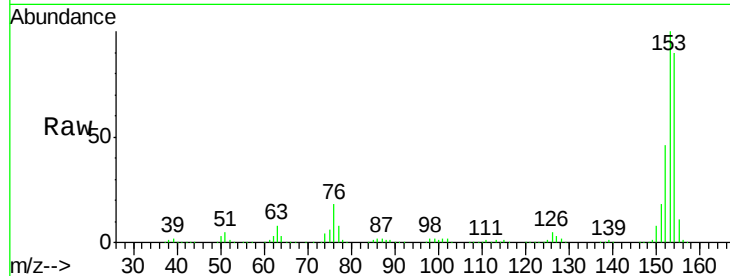
Tgt Ion:154 Resp: 1126254

Ion Ratio Lower Upper

154 100

153 111.2 91.0 136.6

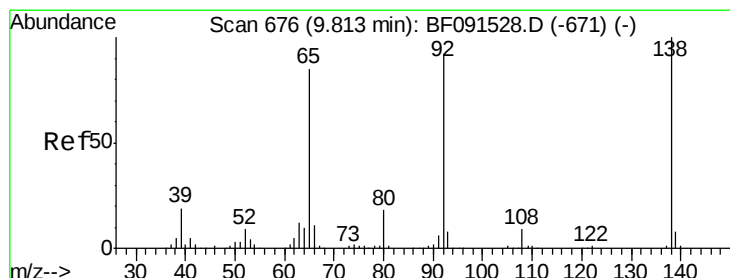
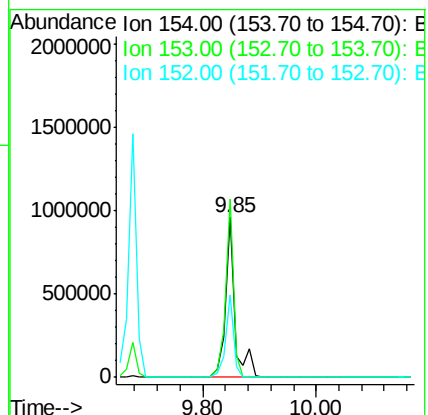
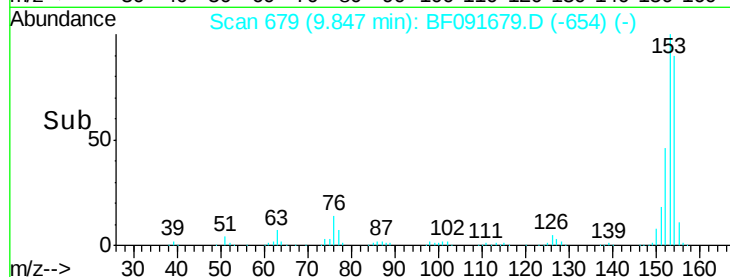
152 51.6 44.2 66.2



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: 22.40 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.02 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

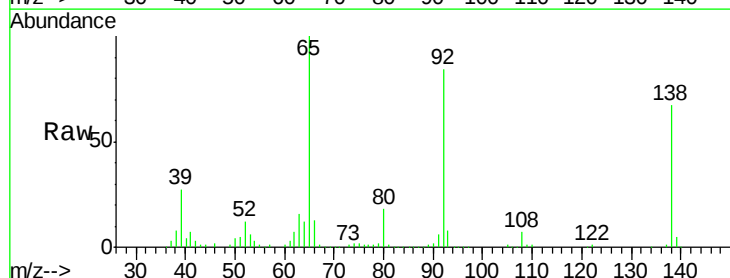
Tgt Ion:138 Resp: 133223

Ion Ratio Lower Upper

138 100

108 10.8 8.1 12.1

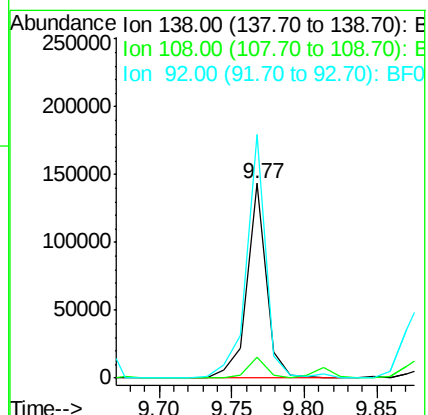
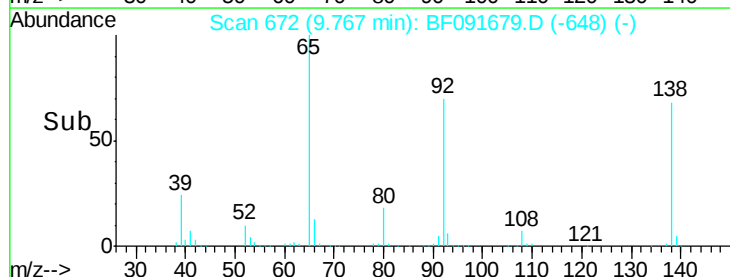
92 125.2 92.5 138.7

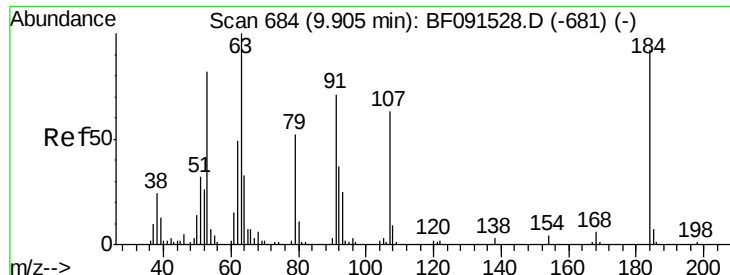


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

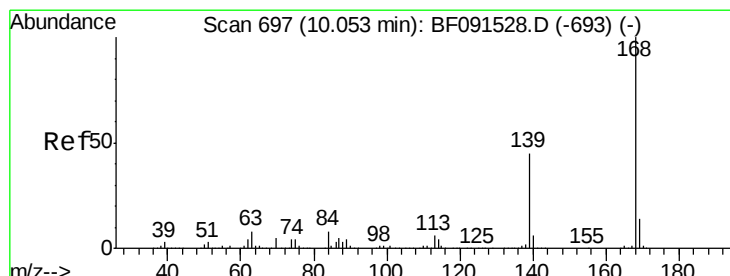
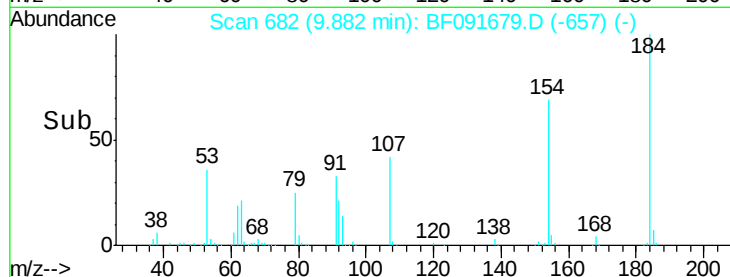
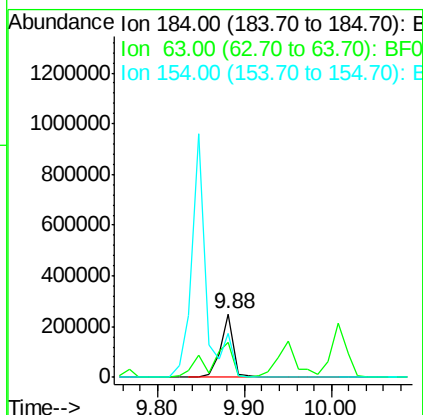
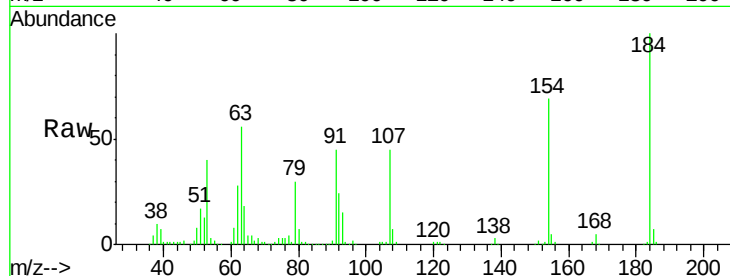




#53
2,4-Dinitrophenol
Concen: 85.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

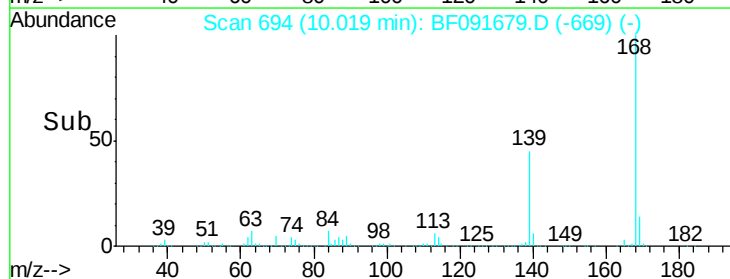
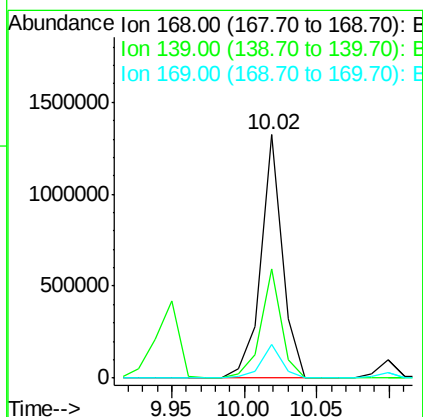
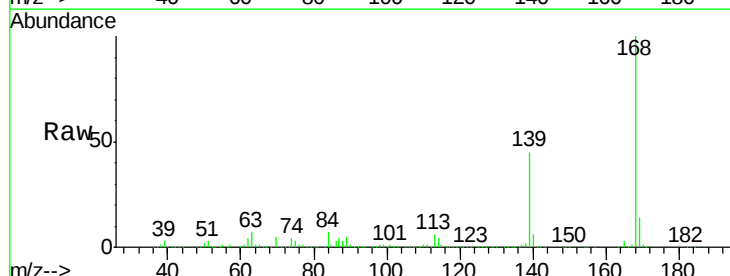
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

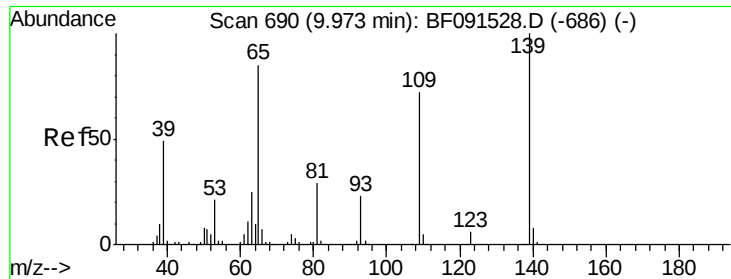
Tgt Ion:184 Resp: 260682
Ion Ratio Lower Upper
184 100
63 55.6 58.3 87.5#
154 68.7 48.6 73.0



#54
Dibenzofuran
Concen: 50.73 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

Tgt Ion:168 Resp: 1357973
Ion Ratio Lower Upper
168 100
139 45.1 33.4 50.2
169 14.0 11.1 16.7





#55

4-Nitrophenol

Concen: 109.58 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.00 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

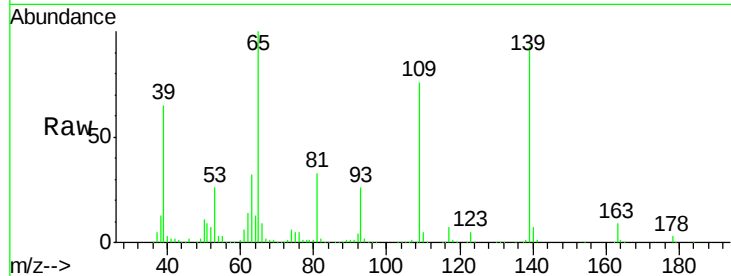
Tgt Ion:139 Resp: 484920

Ion Ratio Lower Upper

139 100

109 82.4 54.9 94.9

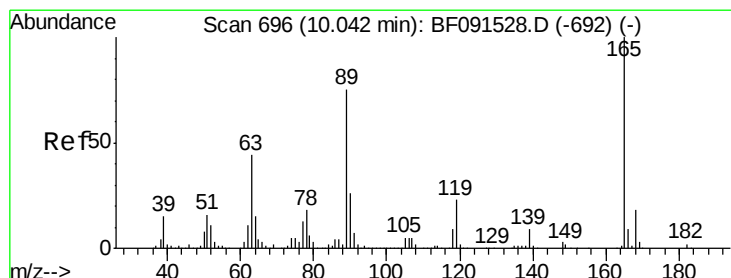
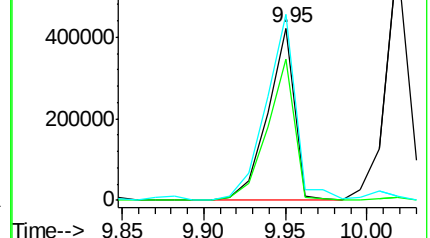
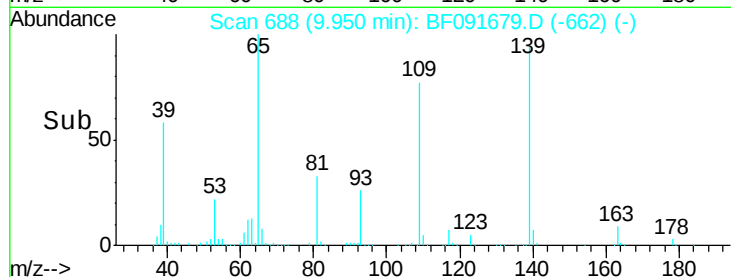
65 107.8 102.2 142.2



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: 55.51 ng

RT: 10.01 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Tgt Ion:165 Resp: 352300

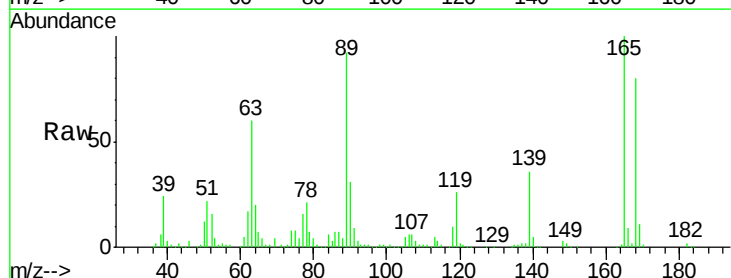
Ion Ratio Lower Upper

165 100

63 60.3 29.0 43.4#

89 92.3 43.1 64.7#

182 2.3 1.9 2.9

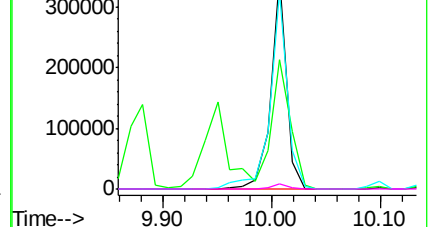
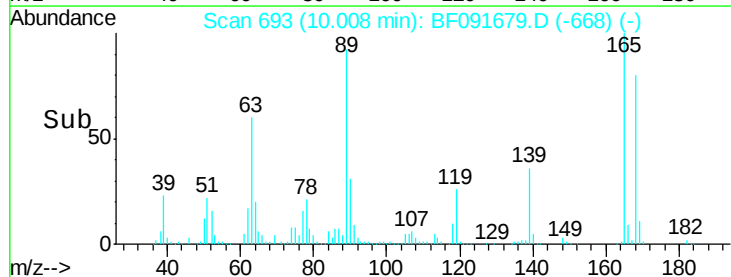


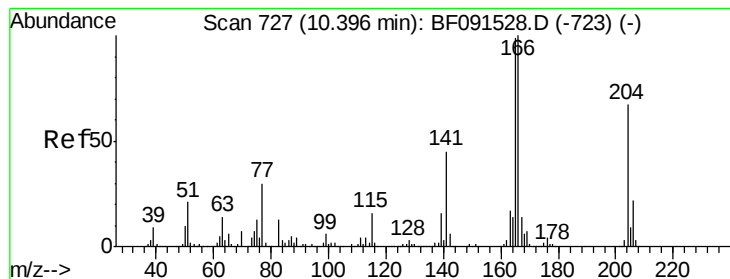
Abundance Ion 165.00 (164.70 to 165.70): E

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: 67.43 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

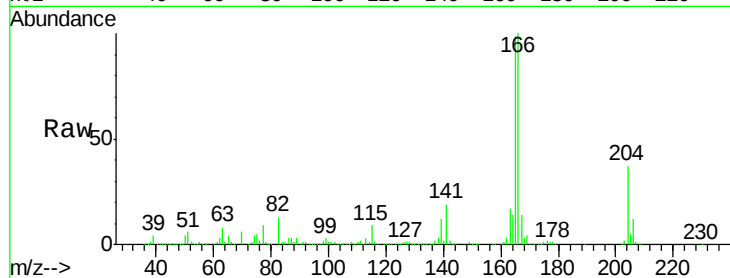
Tgt Ion:166 Resp: 1242422

Ion Ratio Lower Upper

166 100

165 99.0 80.0 120.0

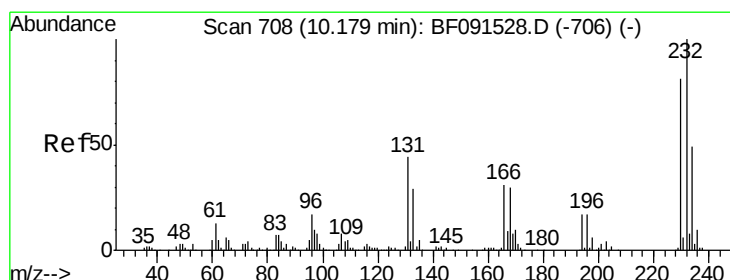
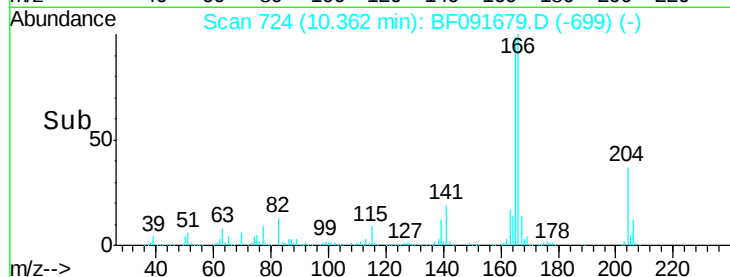
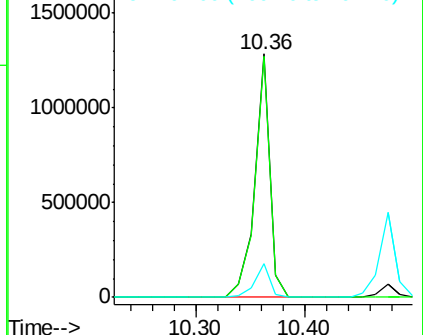
167 13.8 10.8 16.2



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



#58

2,3,4,6-Tetrachlorophenol

Concen: 70.79 ng

RT: 10.14 min Scan# 705

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Tgt Ion:232 Resp: 365676

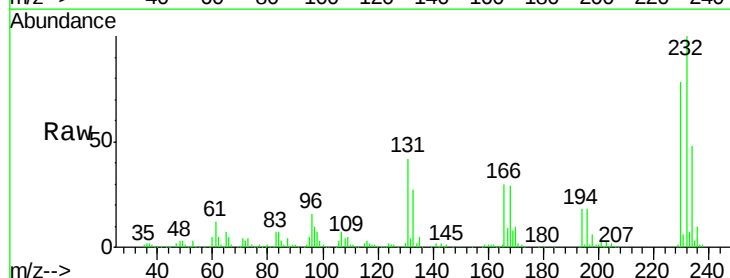
Ion Ratio Lower Upper

232 100

131 51.8 38.4 57.6

130 2.4 1.8 2.8

166 33.9 23.9 35.9

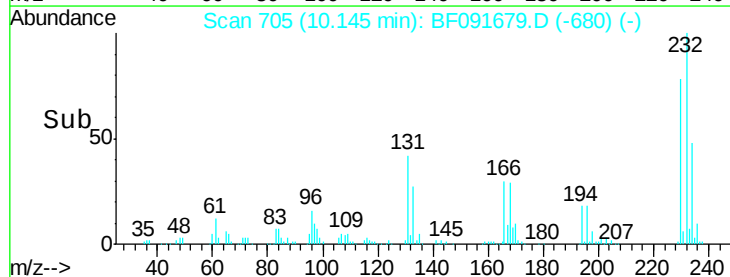
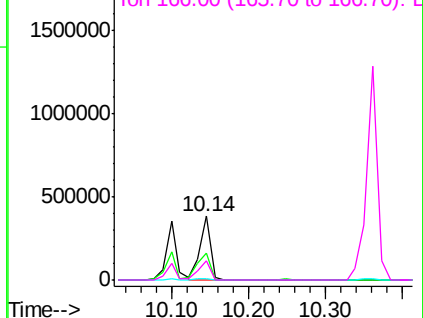


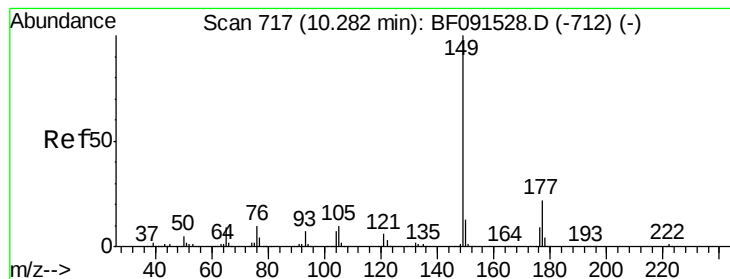
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 68.33 ng

RT: 10.25 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

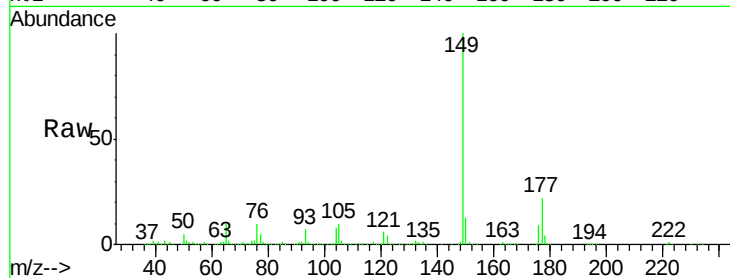
Tgt Ion:149 Resp: 1517981

Ion Ratio Lower Upper

149 100

177 22.2 15.7 23.5

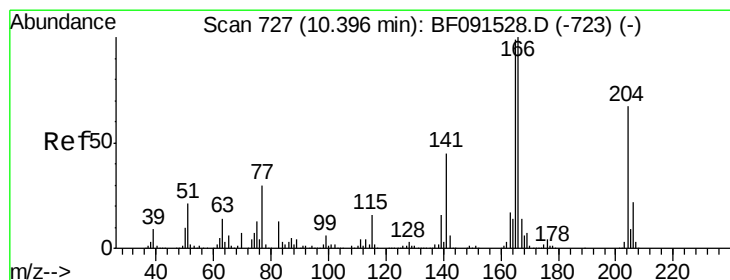
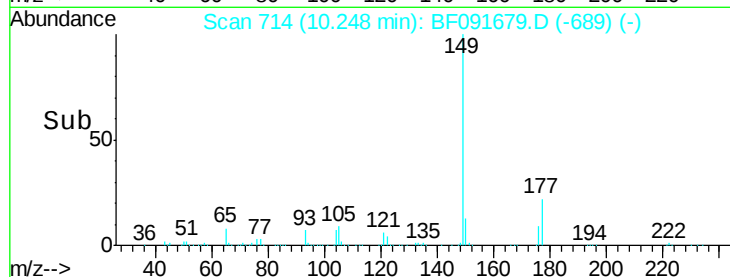
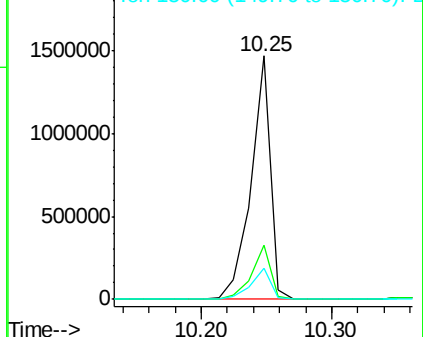
150 12.9 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 62.31 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

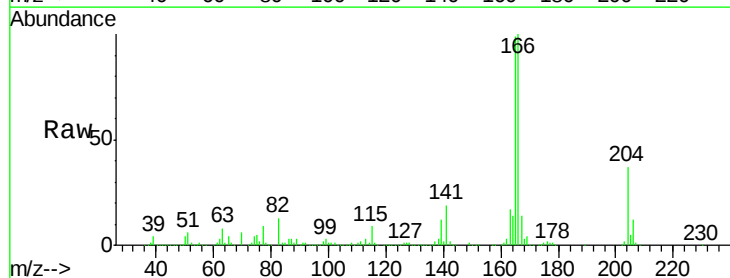
Tgt Ion:204 Resp: 599745

Ion Ratio Lower Upper

204 100

206 33.3 26.1 39.1

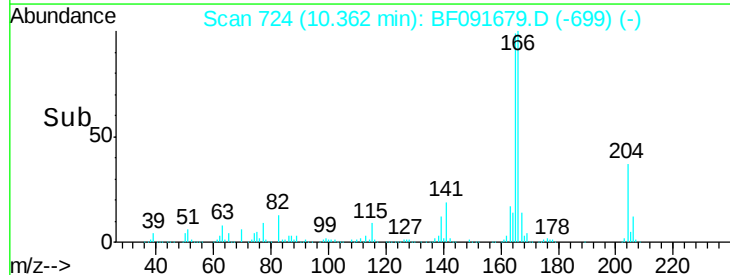
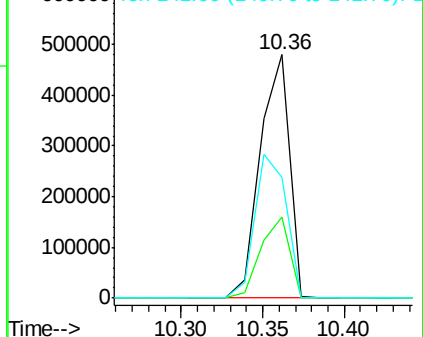
141 49.8 40.6 61.0

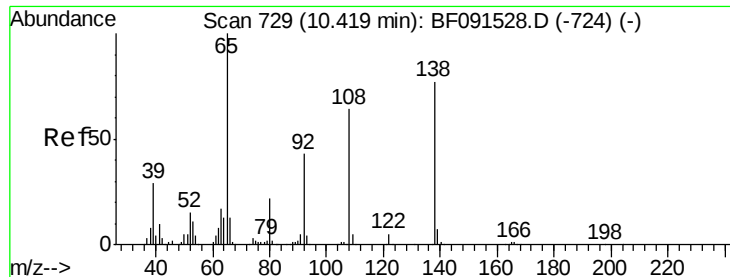


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

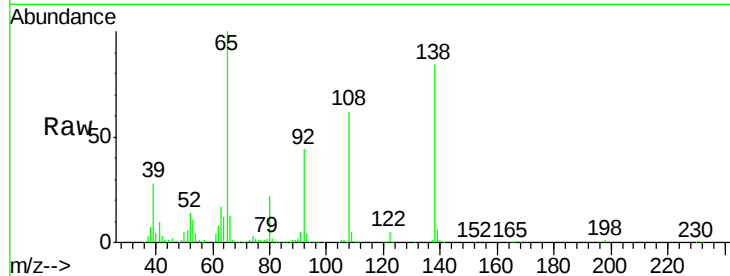




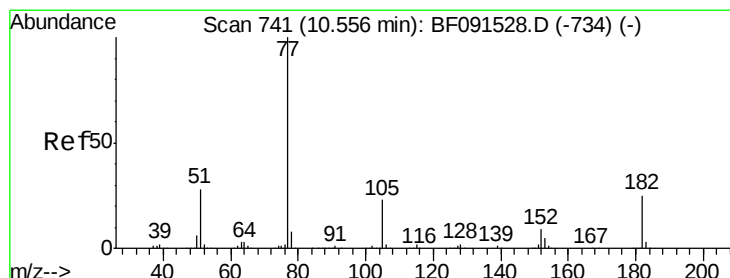
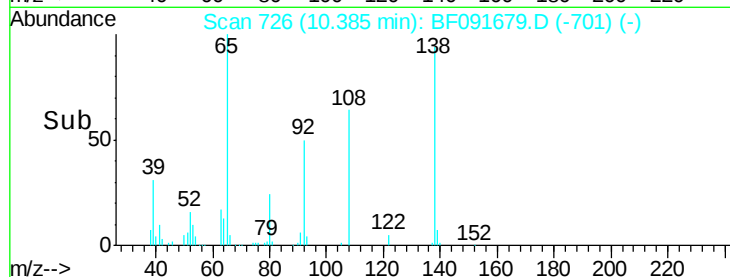
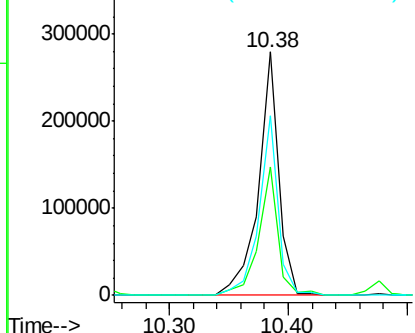
#61
4-Nitroaniline
Concen: 56.81 ng
RT: 10.38 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

Tgt Ion:138 Resp: 335840
Ion Ratio Lower Upper
138 100
92 52.8 26.9 66.9
108 73.9 49.1 89.1



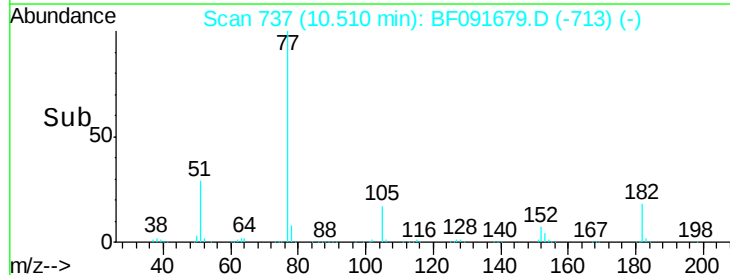
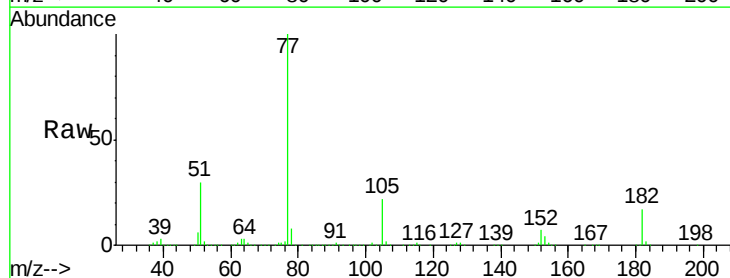
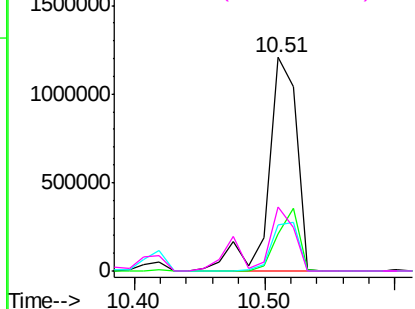
Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

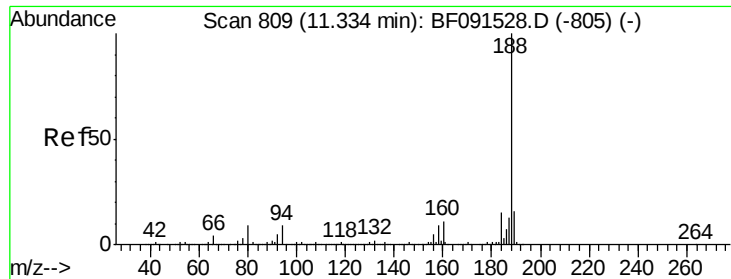


#62
Azobenzene
Concen: 73.15 ng
RT: 10.51 min Scan# 737
Delta R.T. -0.02 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

Tgt Ion: 77 Resp: 1841538
Ion Ratio Lower Upper
77 100
182 17.3 12.5 52.5
105 21.7 3.7 43.7
51 30.2 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

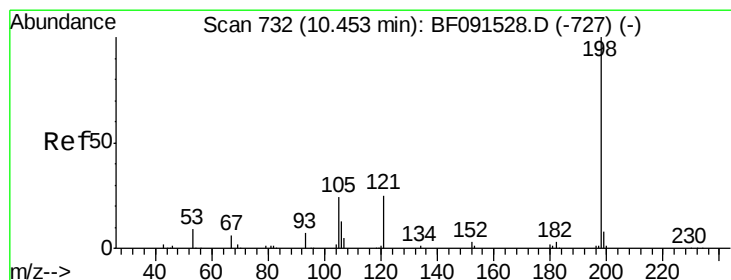
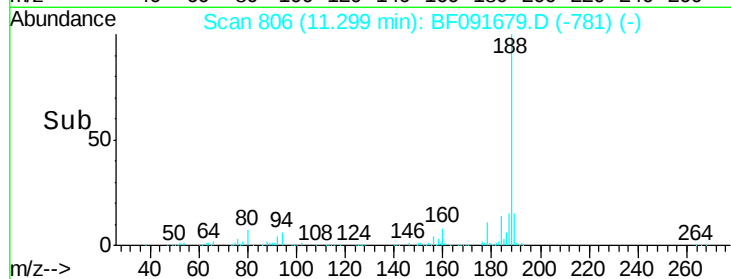
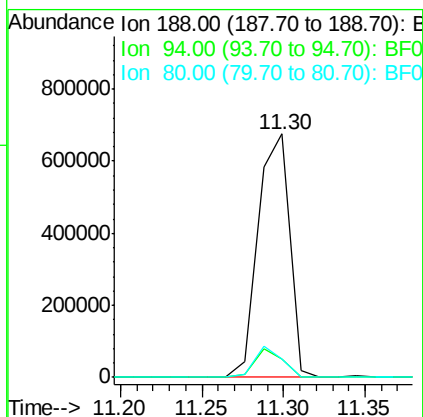
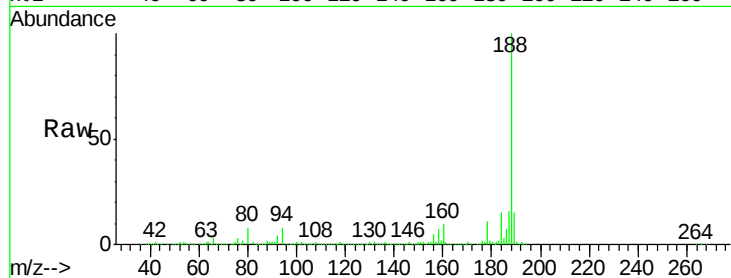




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

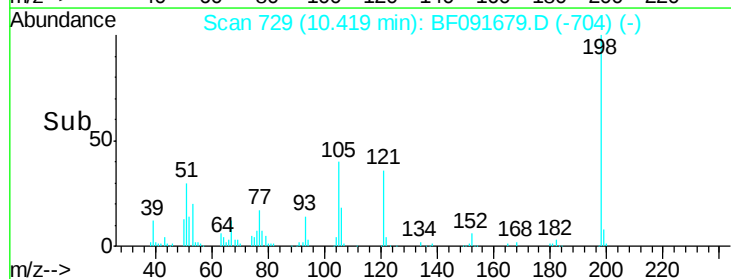
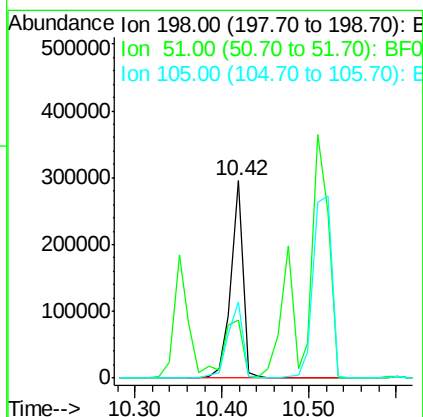
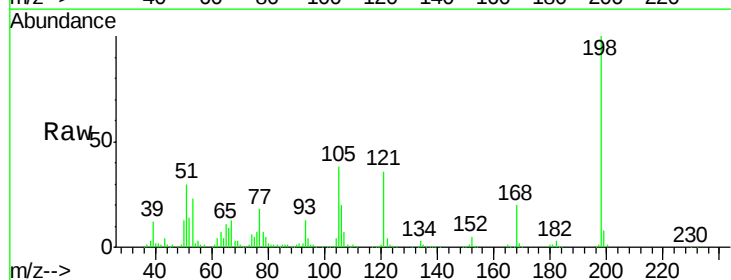
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

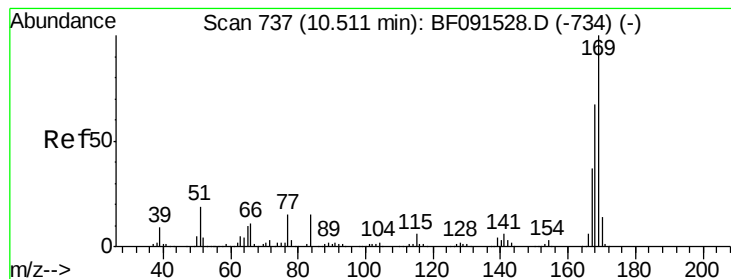
Tgt Ion:188 Resp: 909050
Ion Ratio Lower Upper
188 100
94 7.7 9.2 13.8#
80 7.7 10.5 15.7#



#64
4,6-Dinitro-2-methylphenol
Concen: 51.56 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

Tgt Ion:198 Resp: 285944
Ion Ratio Lower Upper
198 100
51 29.7 77.1 117.1#
105 38.5 44.8 84.8#





#65

n-Nitrosodiphenylamine

Concen: 45.91 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

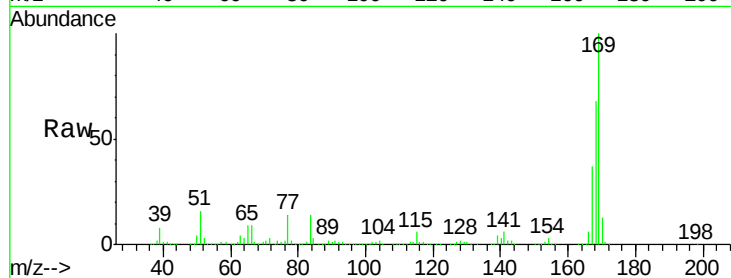
Tgt Ion:169 Resp: 1244338

Ion Ratio Lower Upper

169 100

168 67.7 53.8 80.8

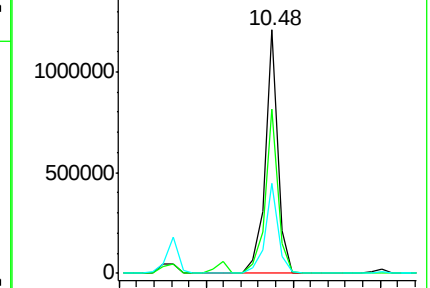
167 37.2 29.8 44.8



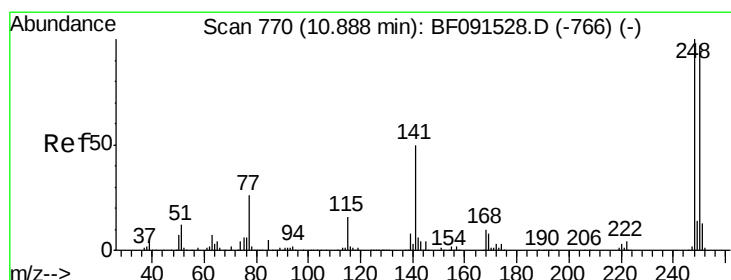
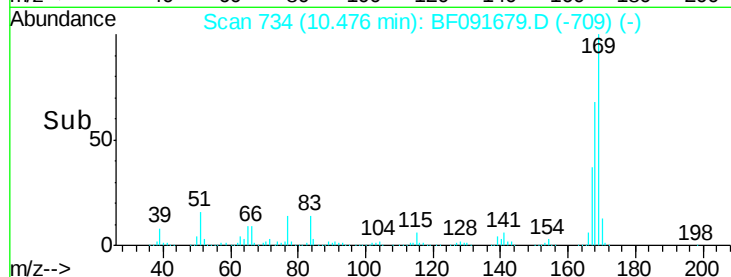
Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 10.30 10.40 10.50 10.60



#66

4-Bromophenyl-phenylether

Concen: 46.18 ng

RT: 10.84 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

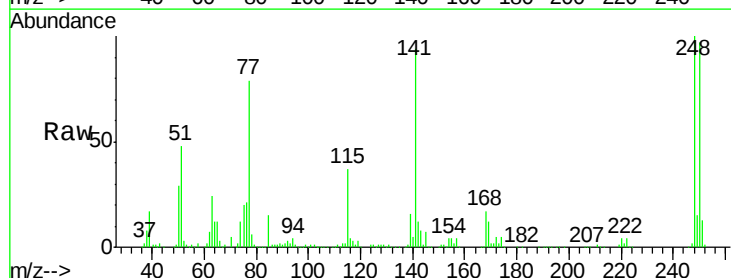
Tgt Ion:248 Resp: 430384

Ion Ratio Lower Upper

248 100

250 97.2 78.2 117.4

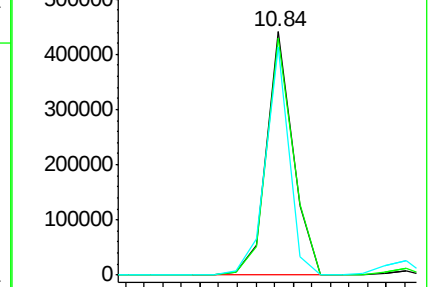
141 93.9 71.9 107.9



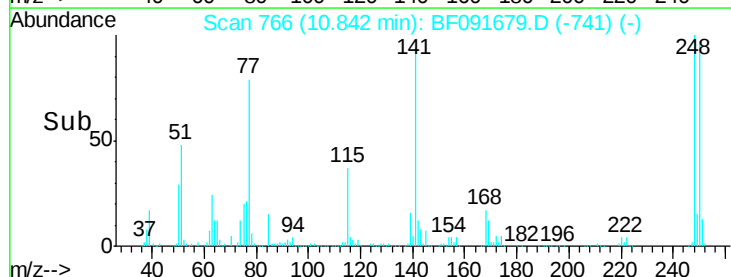
Abundance Ion 248.00 (247.70 to 248.70): E

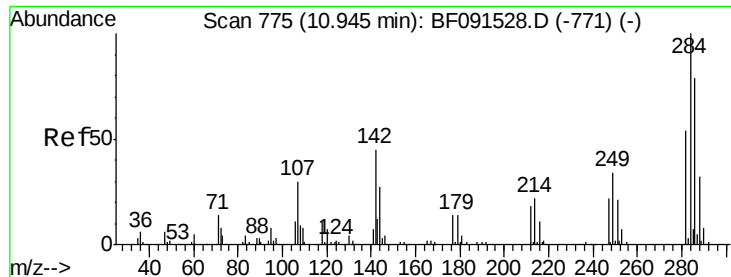
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 10.80 10.85 10.90

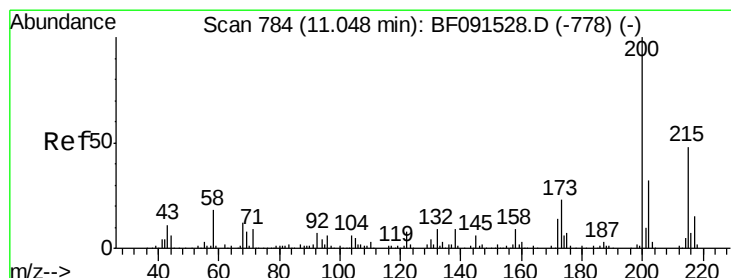
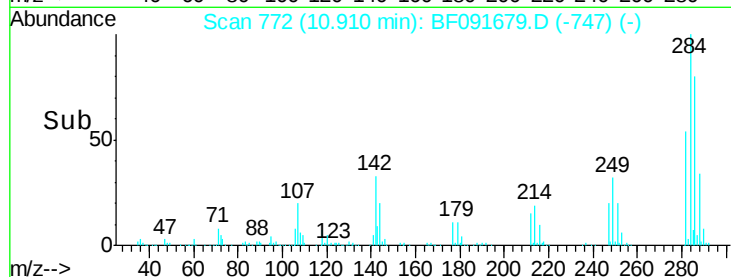
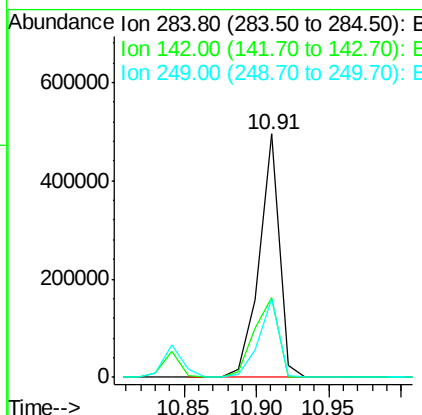
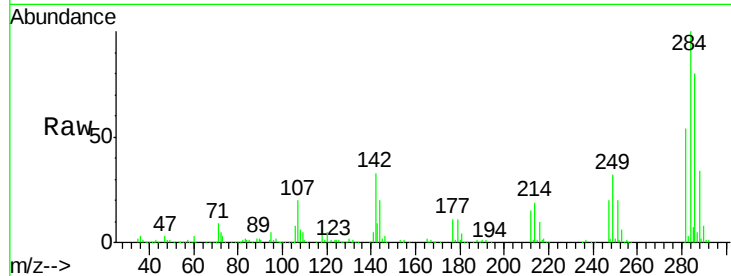




#67
Hexachlorobenzene
Concen: 49.19 ng
RT: 10.91 min Scan# 772
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

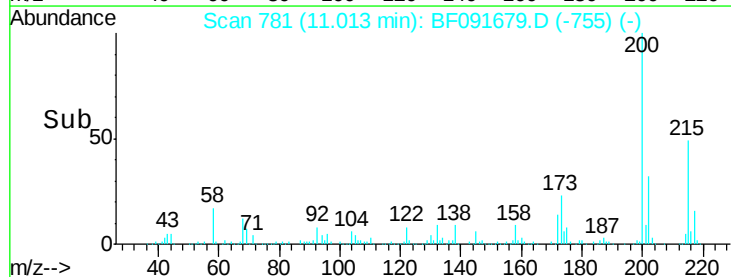
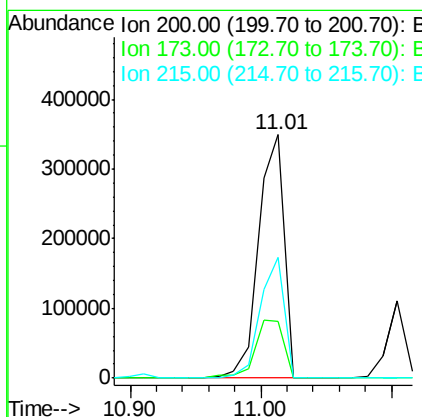
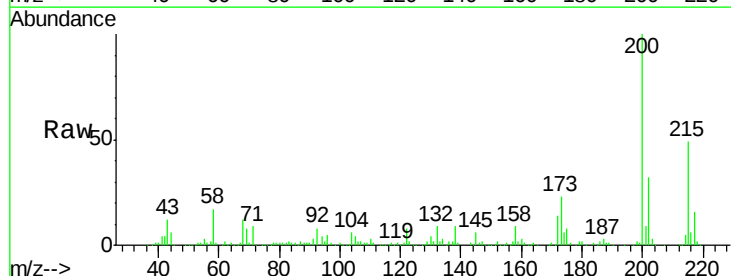
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

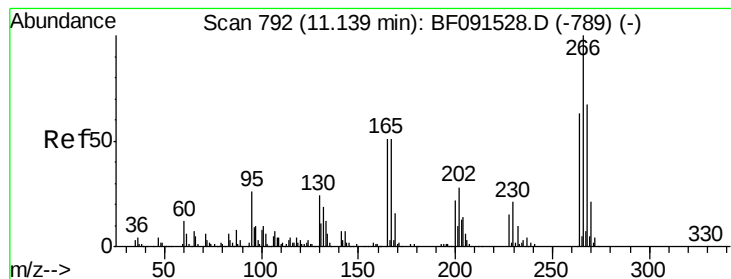
Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.8	17.9	26.9
249	32.3	23.6	35.4



#68
Atrazine
Concen: 54.64 ng
RT: 11.01 min Scan# 781
Delta R.T. -0.00 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

Tgt Ion	Ratio	Lower	Upper
200	100		
173	23.3	7.8	47.8
215	49.4	24.3	64.3





#69

Pentachlorophenol

Concen: 95.13 ng

RT: 11.10 min Scan# 789

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

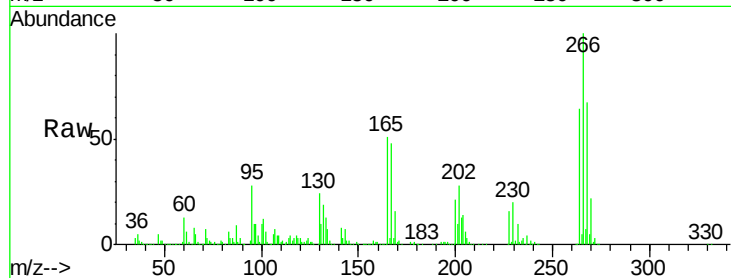
Tgt Ion:266 Resp: 518856

Ion Ratio Lower Upper

266 100

268 67.0 50.3 75.5

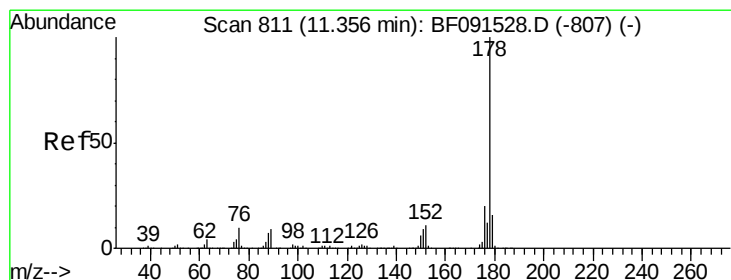
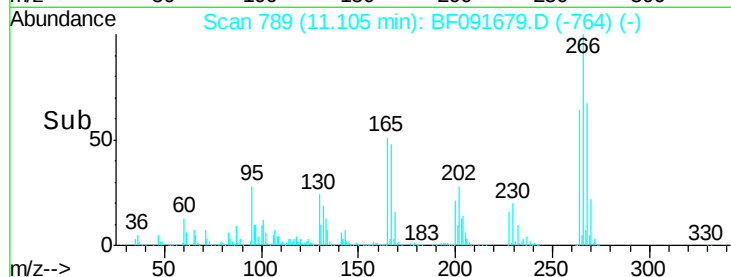
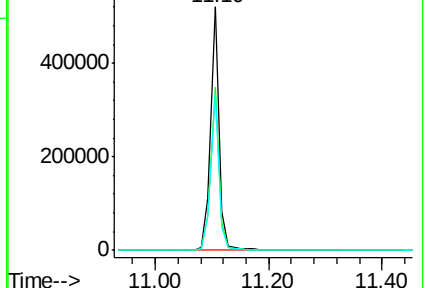
264 64.4 48.2 72.2



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 51.82 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

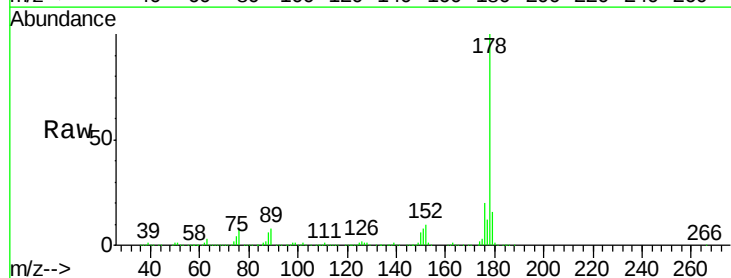
Tgt Ion:178 Resp: 2332577

Ion Ratio Lower Upper

178 100

176 20.5 15.9 23.9

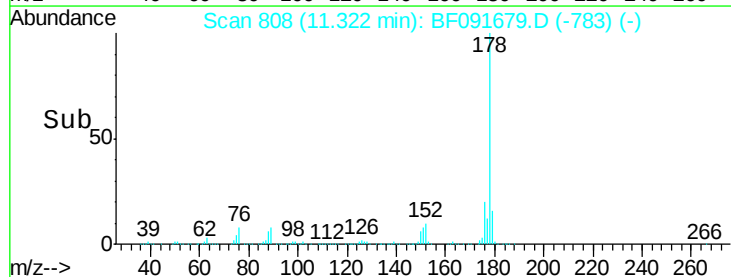
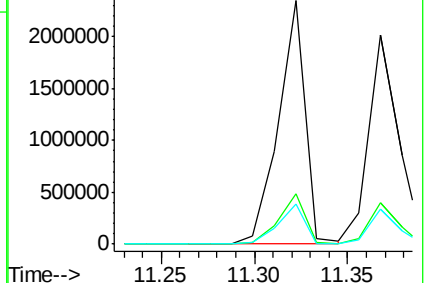
179 16.3 12.6 18.8

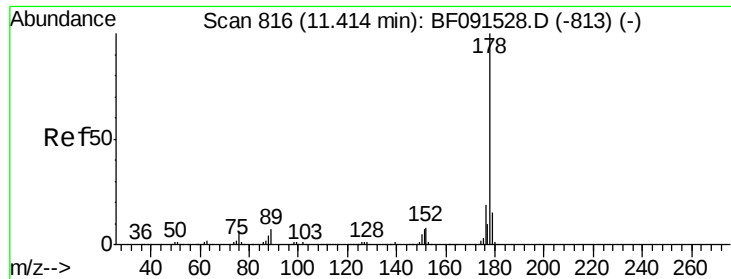


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

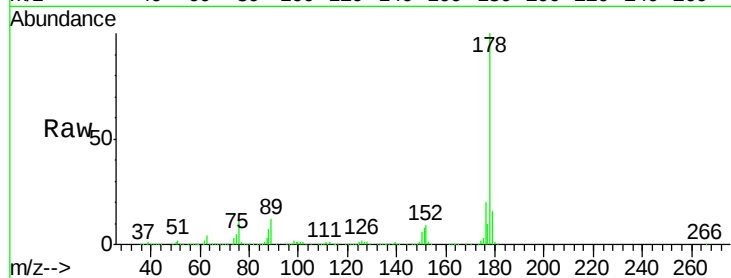




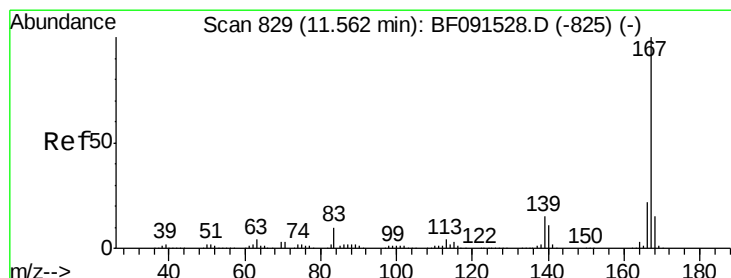
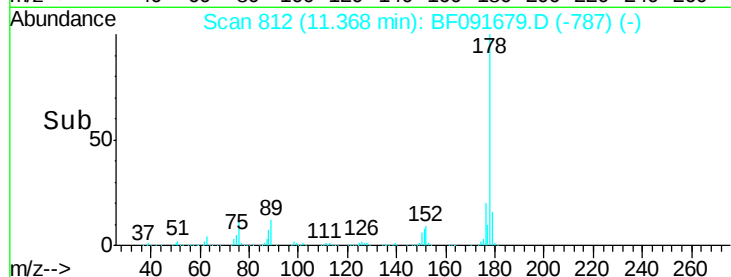
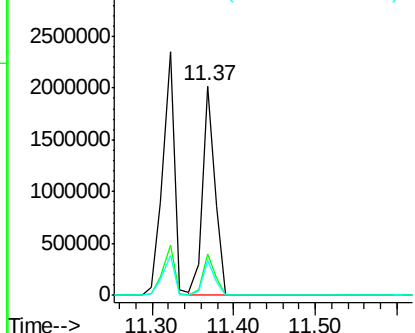
#71
 Anthracene
 Concen: 45.05 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

Tgt Ion:178 Resp: 2187218
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.6
 179 16.4 12.7 19.1

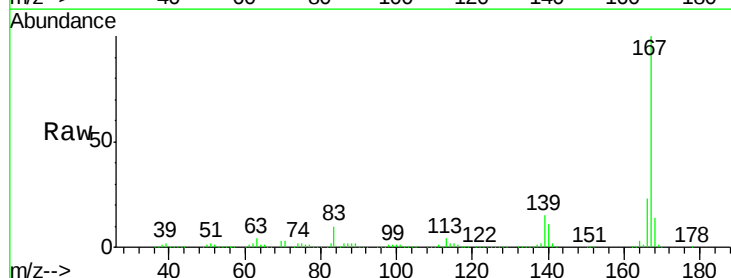


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

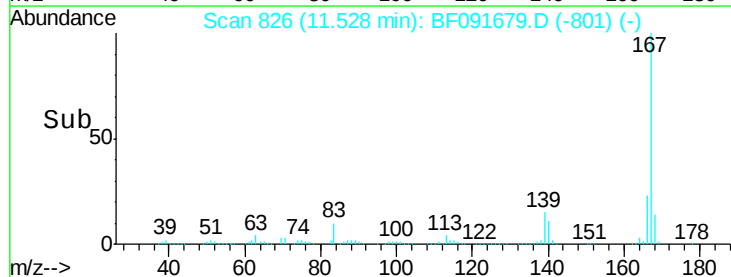
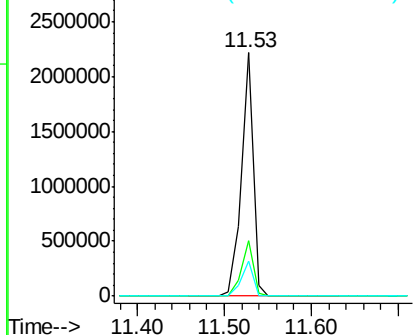


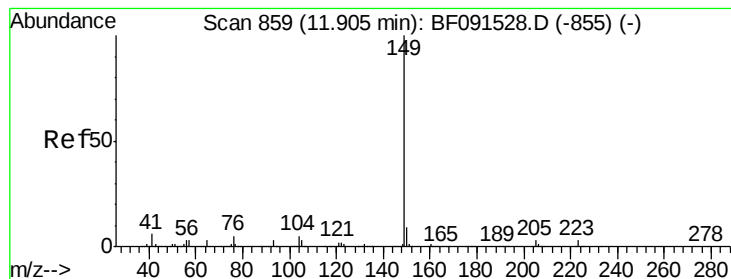
#72
 Carbazole
 Concen: 48.72 ng
 RT: 11.53 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

Tgt Ion:167 Resp: 2073605
 Ion Ratio Lower Upper
 167 100
 166 22.6 18.1 27.1
 139 14.5 11.5 17.3



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 49.65 ng

RT: 11.86 min Scan# 855

Delta R.T. -0.02 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

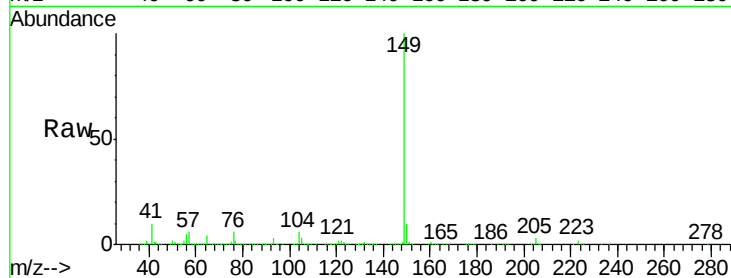
Tgt Ion:149 Resp: 2462238

Ion Ratio Lower Upper

149 100

150 10.0 7.5 11.3

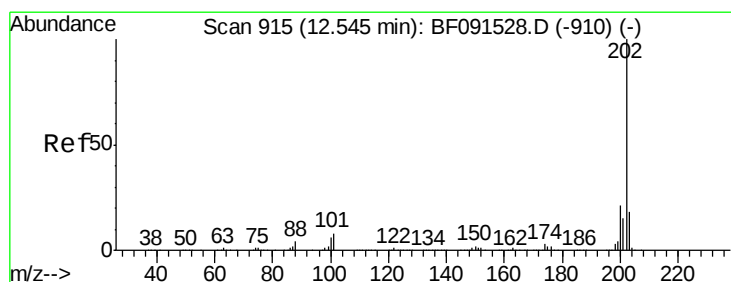
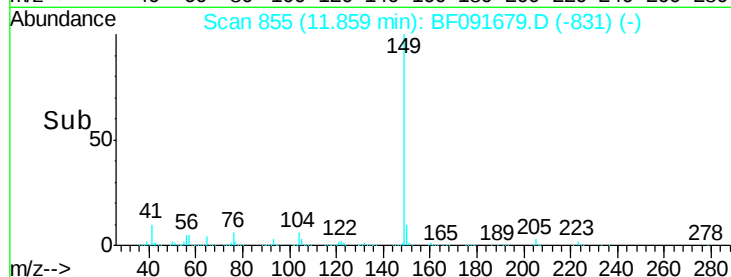
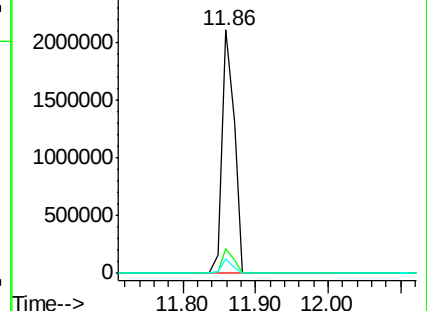
104 5.8 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 46.29 ng

RT: 12.50 min Scan# 911

Delta R.T. -0.02 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

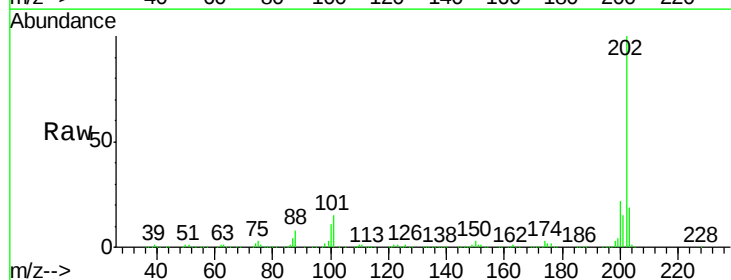
Tgt Ion:202 Resp: 2182094

Ion Ratio Lower Upper

202 100

101 14.9 0.0 29.5

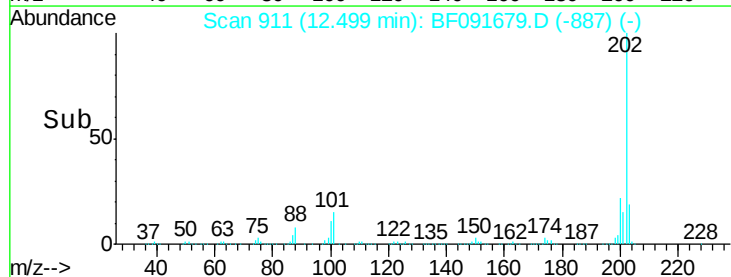
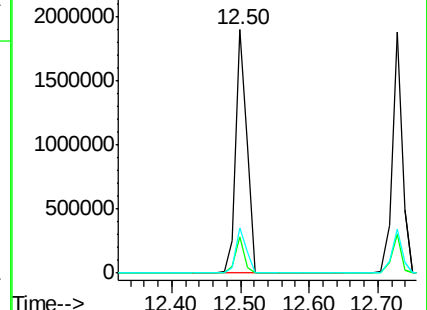
203 18.6 0.0 37.8

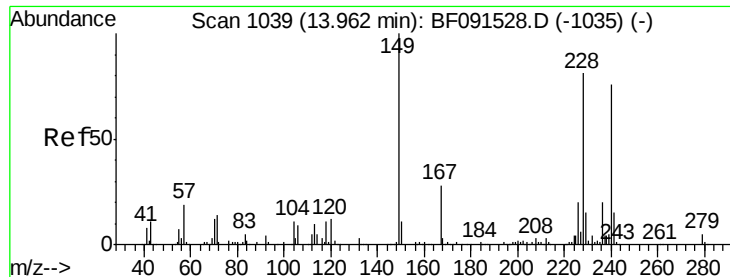


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

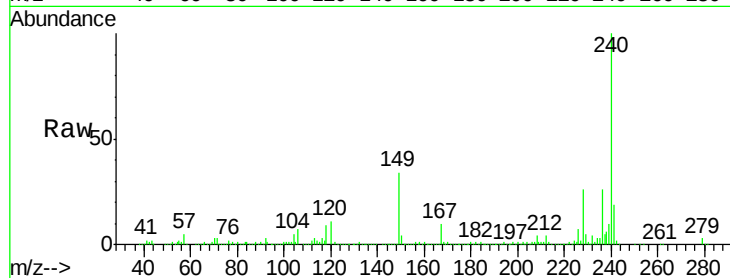
Tgt Ion:240 Resp: 694068

Ion Ratio Lower Upper

240 100

120 10.6 12.1 18.1#

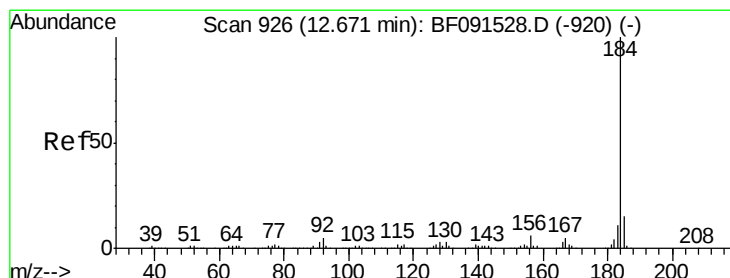
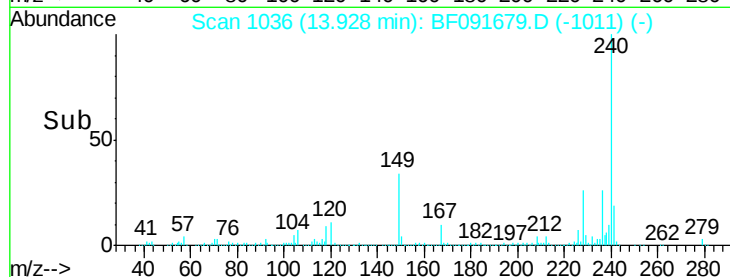
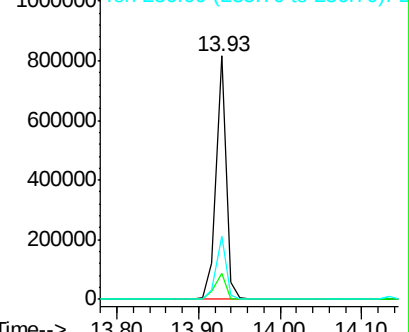
236 26.0 21.0 31.6



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: 20.28 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

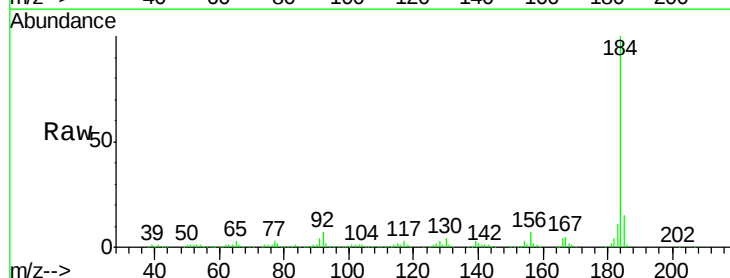
Tgt Ion:184 Resp: 435188

Ion Ratio Lower Upper

184 100

185 14.6 13.1 19.7

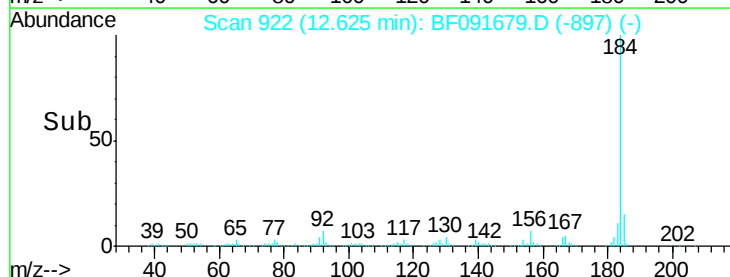
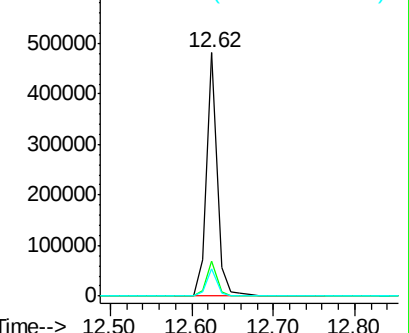
183 11.1 8.9 13.3

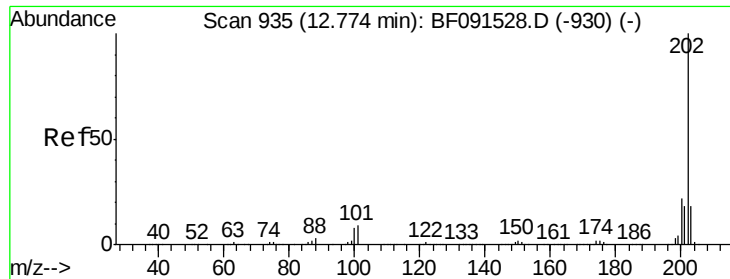


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

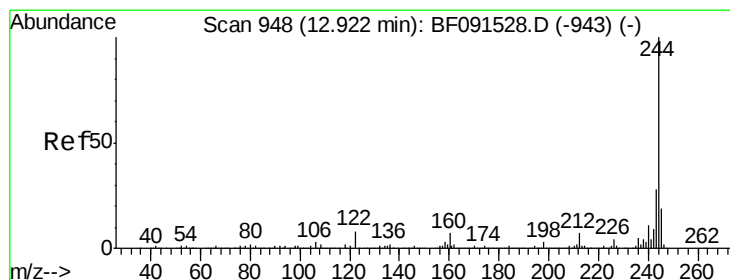
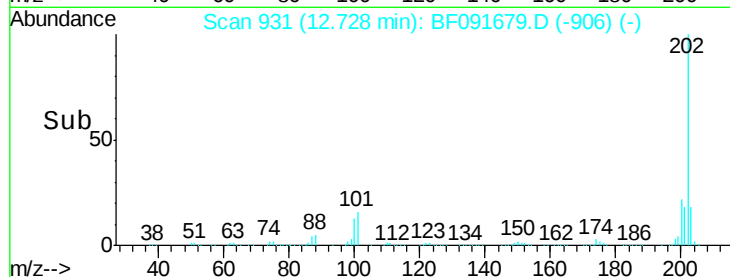
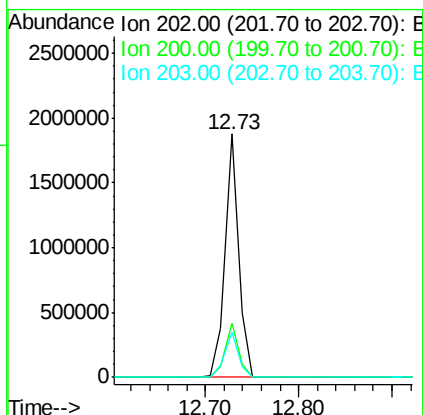
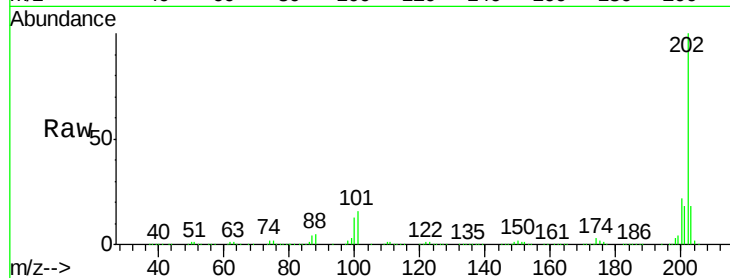




#77
Pyrene
 Concen: 34.57 ng
 RT: 12.73 min Scan# 931
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

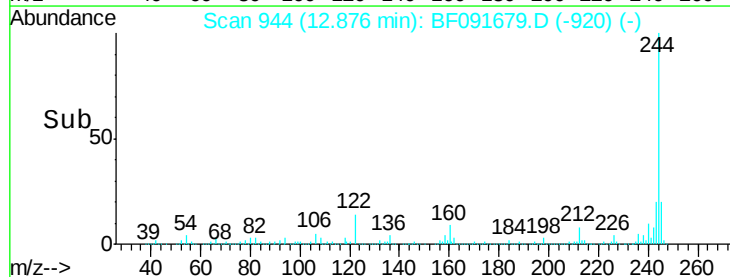
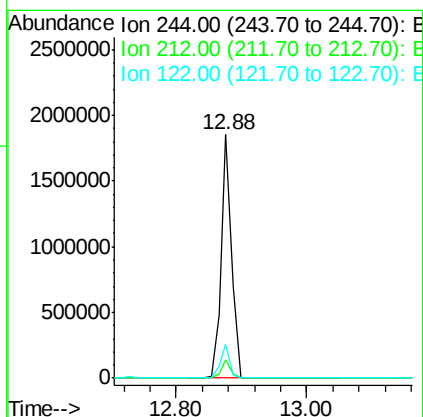
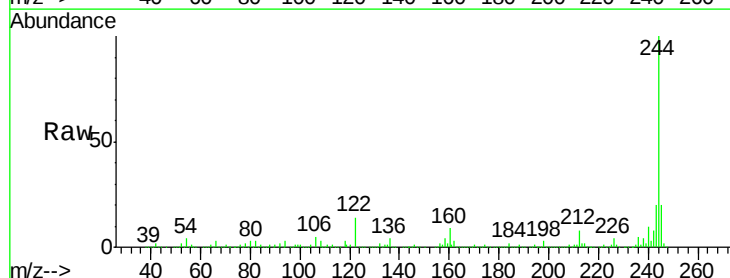
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

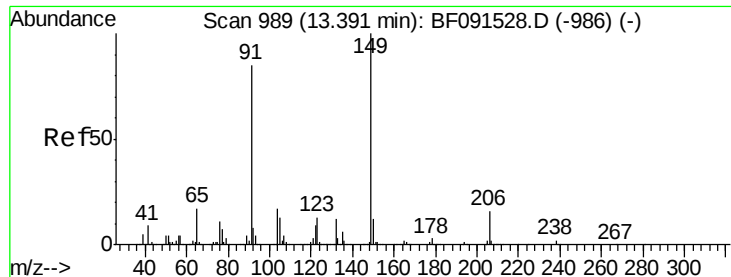
Tgt Ion:202 Resp: 1903396
 Ion Ratio Lower Upper
 202 100
 200 22.4 17.6 26.4
 203 18.4 14.0 21.0



#78
Terphenyl-d14
 Concen: 68.80 ng
 RT: 12.88 min Scan# 944
 Delta R.T. -0.02 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

Tgt Ion:244 Resp: 2104450
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.5 9.7
 122 14.0 9.5 14.3

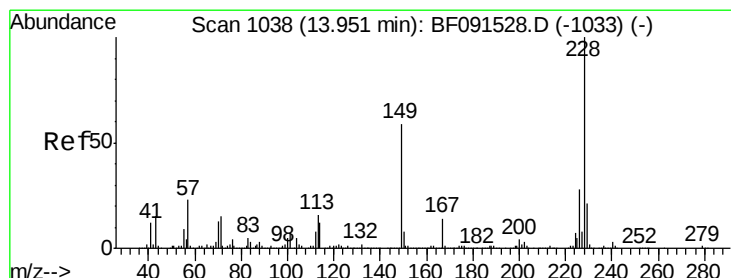
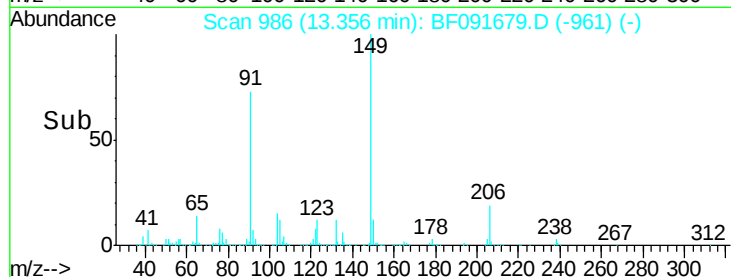
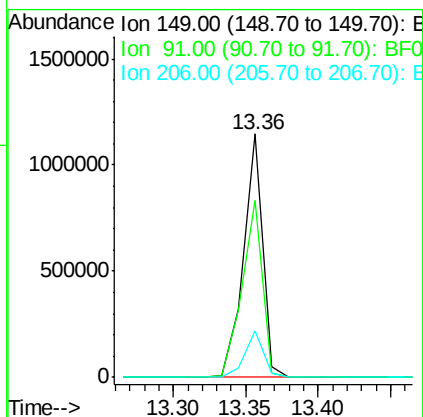
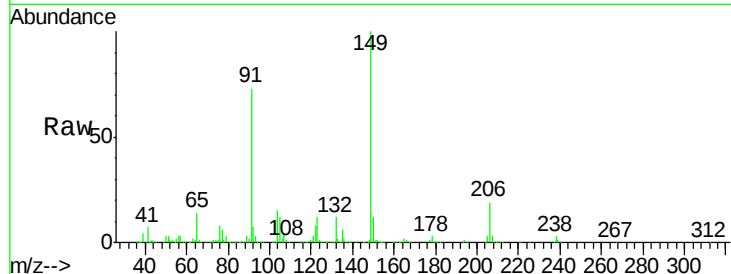




#79
Butylbenzylphthalate
Concen: 48.74 ng
RT: 13.36 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

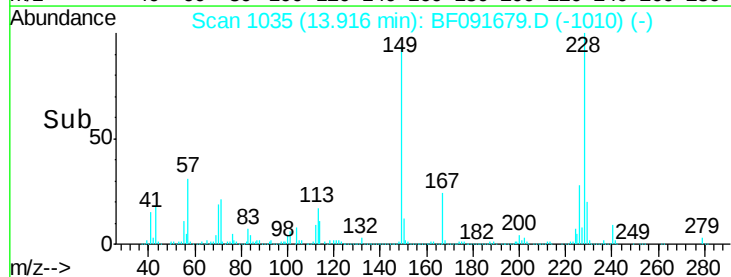
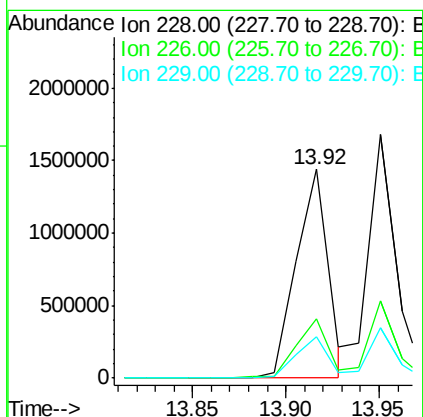
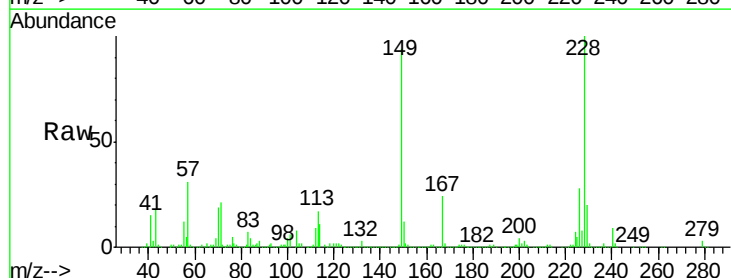
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

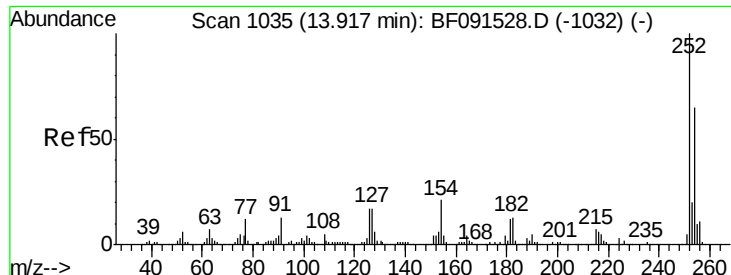
Tgt Ion:149 Resp: 1046111
Ion Ratio Lower Upper
149 100
91 72.6 57.4 86.2
206 19.2 15.4 23.2



#80
Benzo(a)anthracene
Concen: 42.64 ng
RT: 13.92 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

Tgt Ion:228 Resp: 1718886
Ion Ratio Lower Upper
228 100
226 28.5 22.5 33.7
229 20.0 16.4 24.6

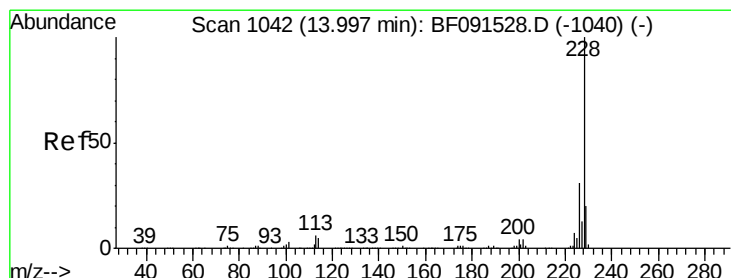
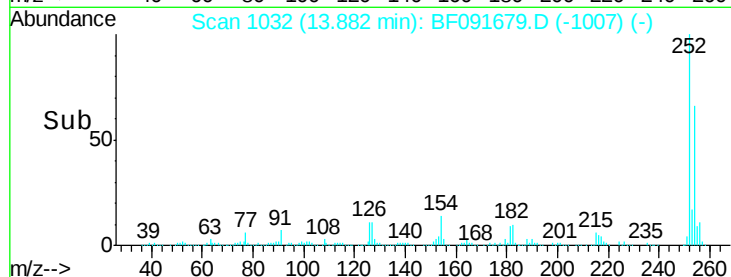
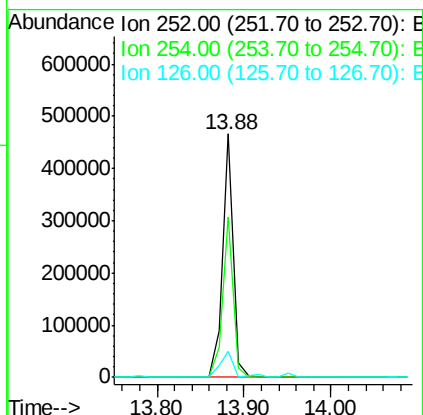
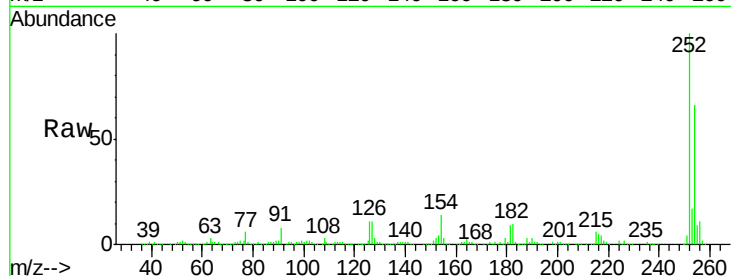




#81
 3,3'-Dichlorobenzidine
 Concen: 28.12 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

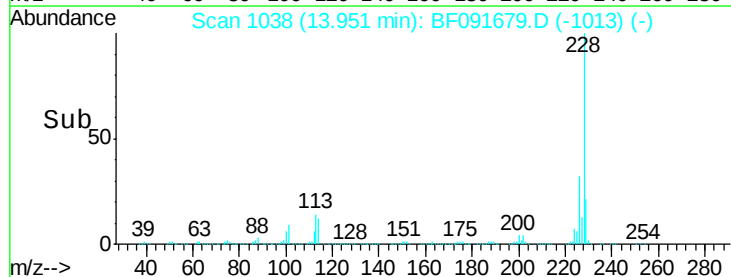
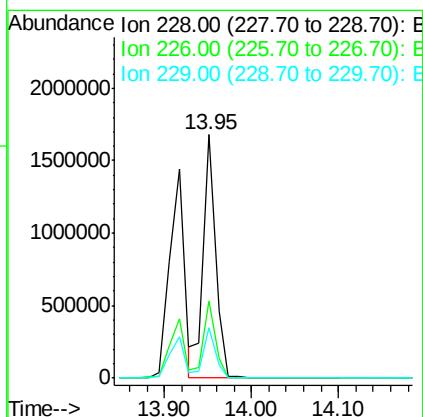
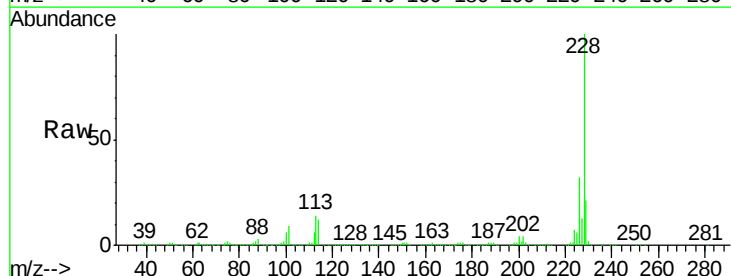
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

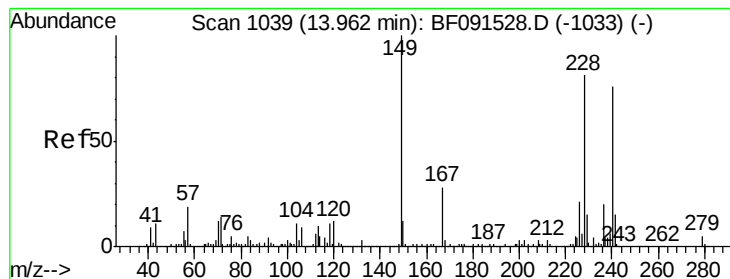
Tgt Ion:252 Resp: 407031
 Ion Ratio Lower Upper
 252 100
 254 65.7 52.1 78.1
 126 10.7 7.5 11.3



#82
 Chrysene
 Concen: 39.48 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

Tgt Ion:228 Resp: 1664961
 Ion Ratio Lower Upper
 228 100
 226 31.5 25.0 37.4
 229 20.5 16.0 24.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 46.14 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

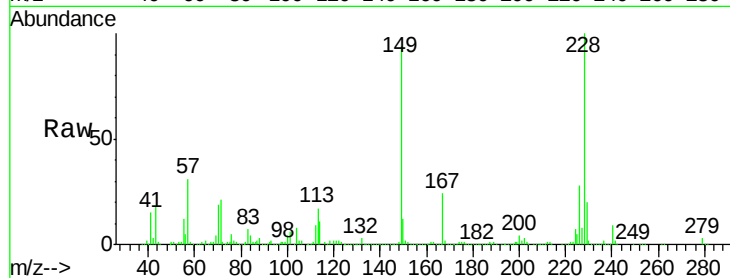
Tgt Ion:149 Resp: 1270669

Ion Ratio Lower Upper

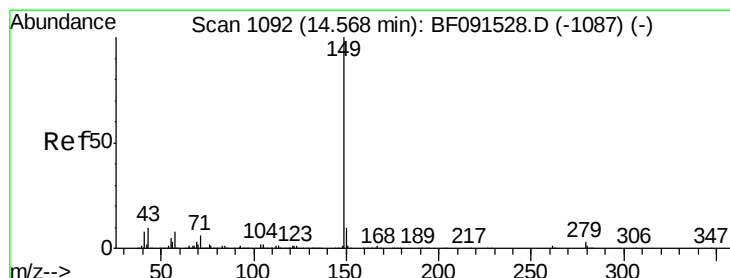
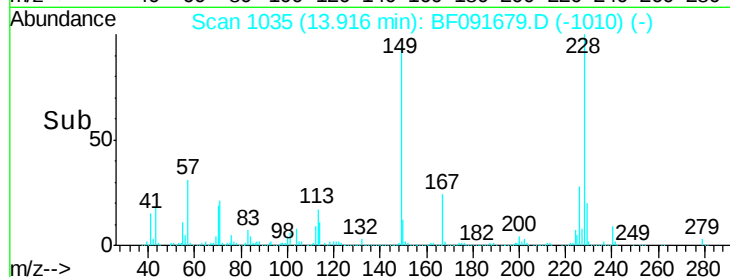
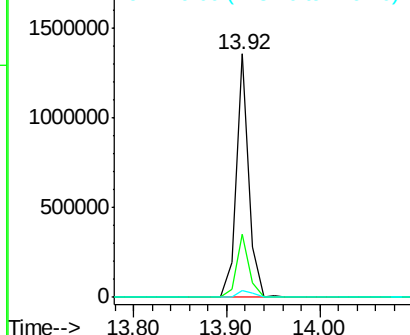
149 100

167 26.1 19.6 29.4

279 2.7 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: 51.65 ng

RT: 14.52 min Scan# 1088

Delta R.T. -0.02 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

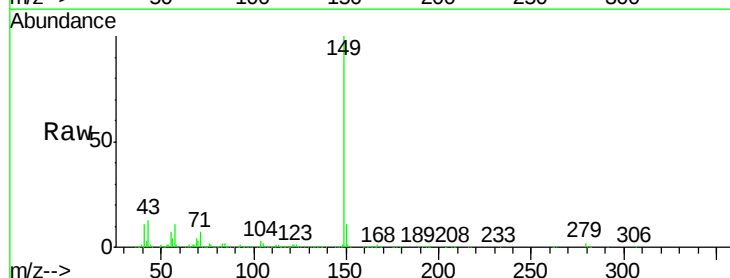
Tgt Ion:149 Resp: 2414423

Ion Ratio Lower Upper

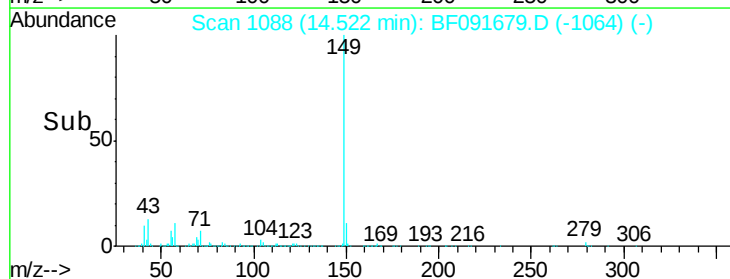
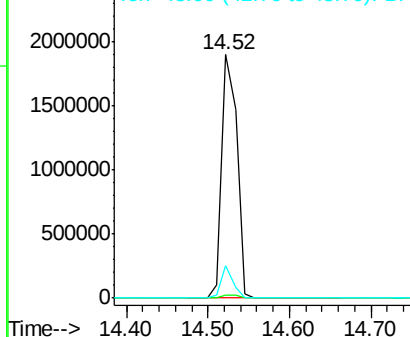
149 100

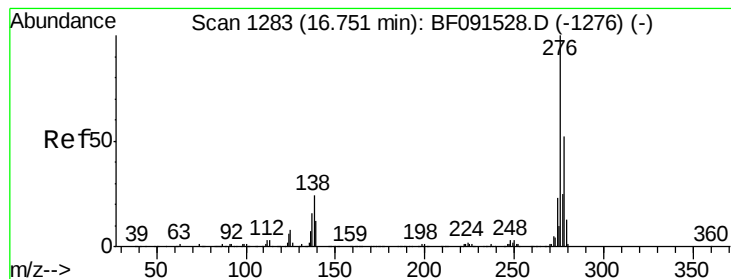
167 1.6 1.3 1.9

43 10.4 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



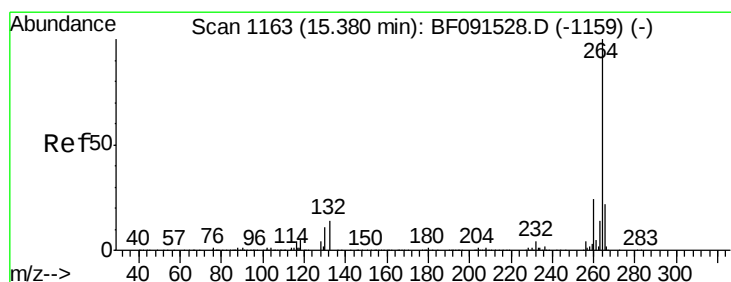
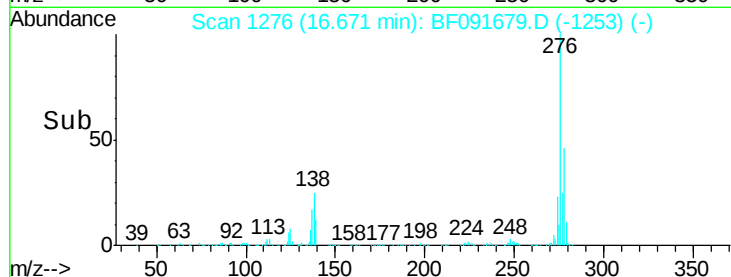
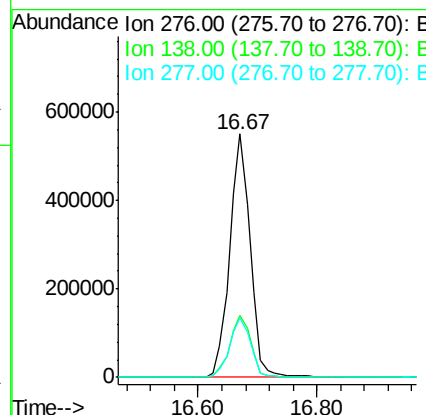
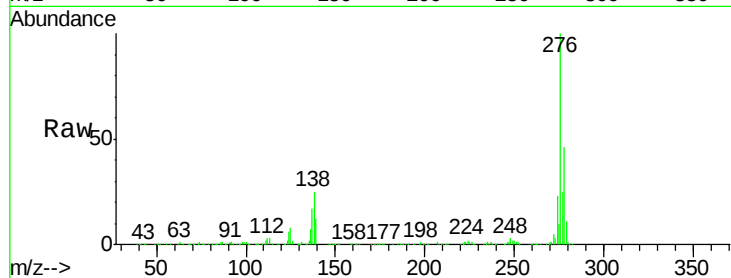


#85

Indeno(1,2,3-cd)pyrene
Concen: 34.58 ng
RT: 16.67 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

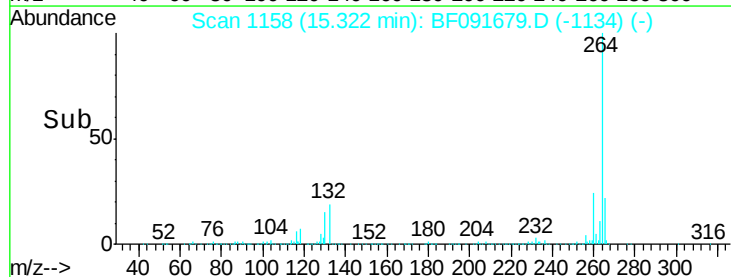
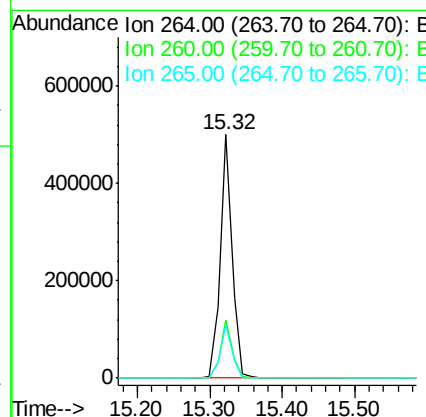
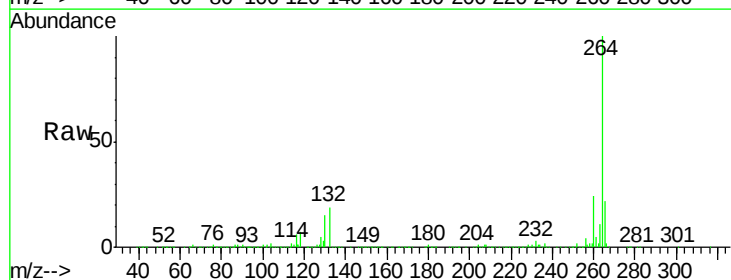
Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.6	21.0	31.4
277	25.2	20.2	30.2

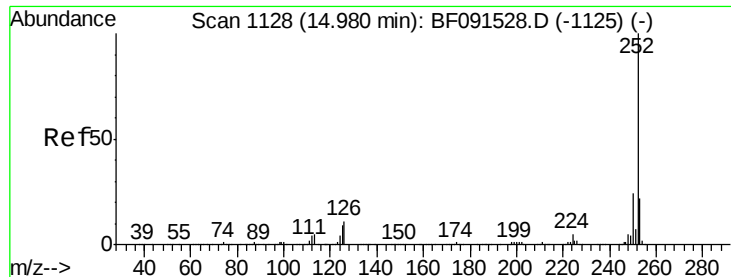


#86

Perylene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.8	28.2
265	21.7	17.0	25.6

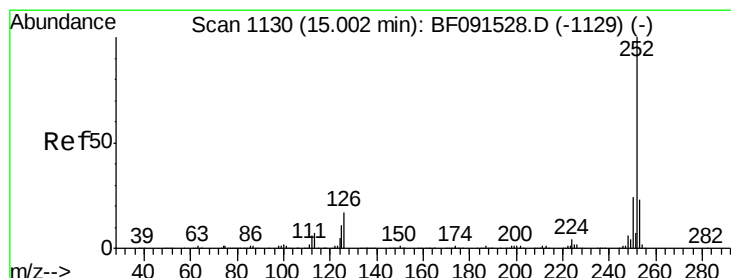
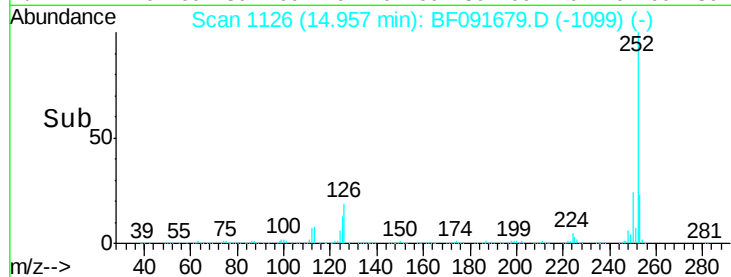
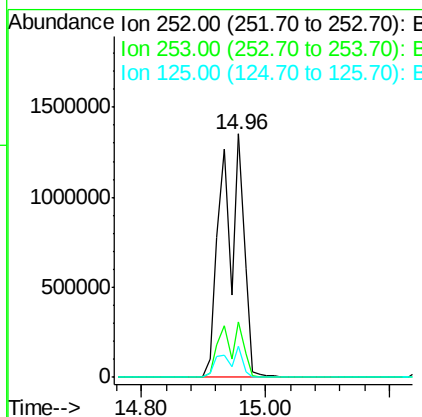
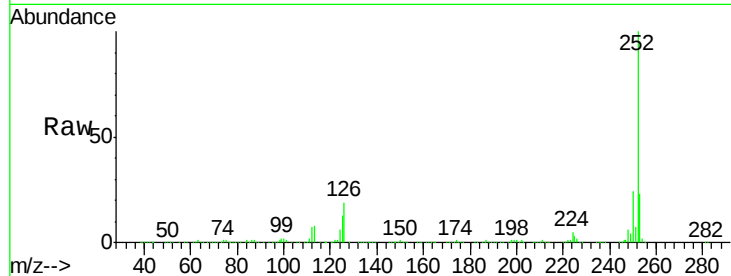




#87
Benzo(b)fluoranthene
Concen: 93.21 ng
RT: 14.96 min Scan# 1126
Delta R.T. 0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

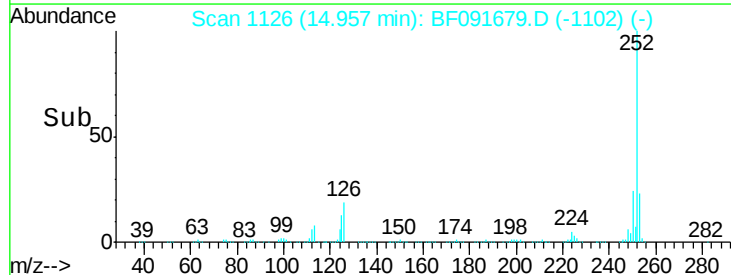
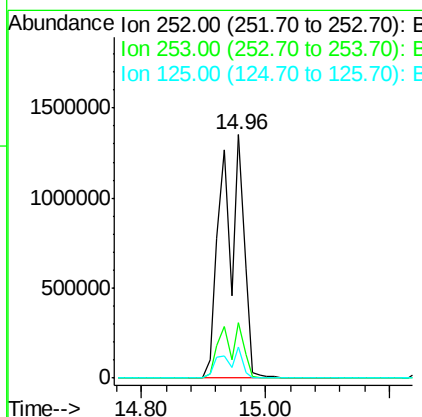
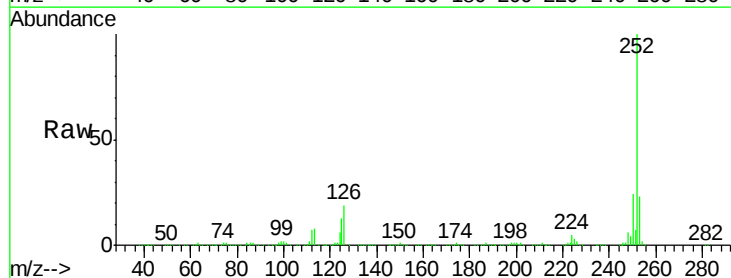
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

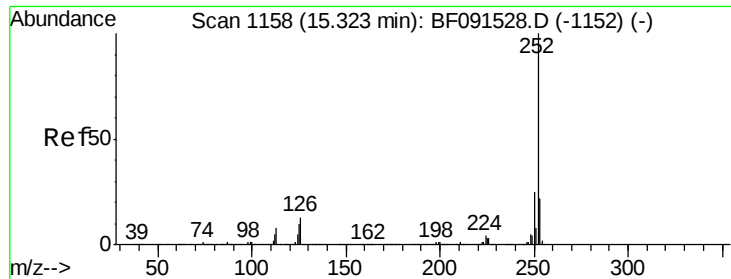
Tgt Ion:252 Resp: 3185217
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.2
125 12.9 8.6 13.0



#88
Benzo(k)fluoranthene
Concen: 106.01 ng
RT: 14.96 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

Tgt Ion:252 Resp: 3185217
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 12.9 9.6 14.4





#89

Benzo(a)pyrene

Concen: 49.18 ng

RT: 15.27 min Scan# 1153

Delta R.T. -0.02 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

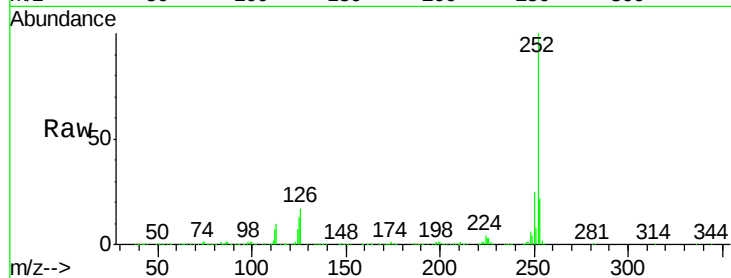
Tgt Ion:252 Resp: 1513897

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.4

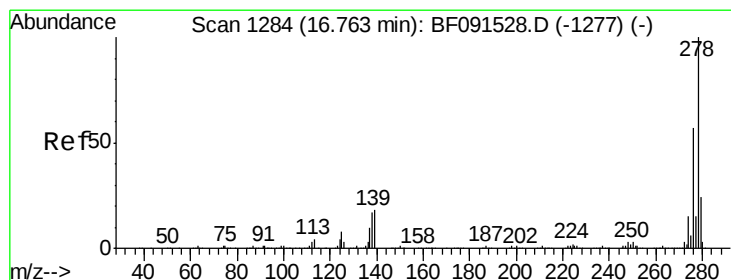
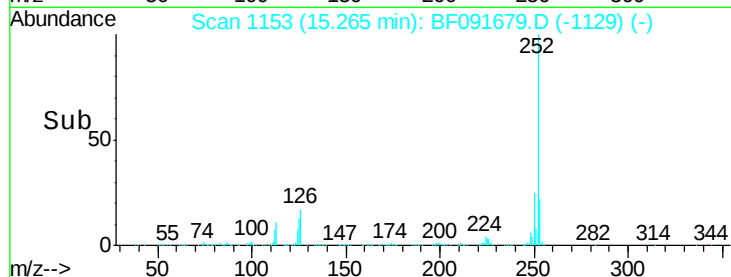
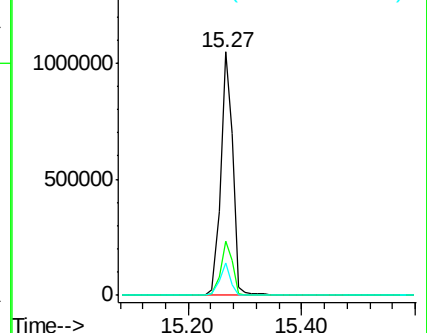
125 13.2 10.4 15.6



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



#90

Dibenzo(a,h)anthracene

Concen: 38.89 ng

RT: 16.68 min Scan# 1277

Delta R.T. -0.03 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

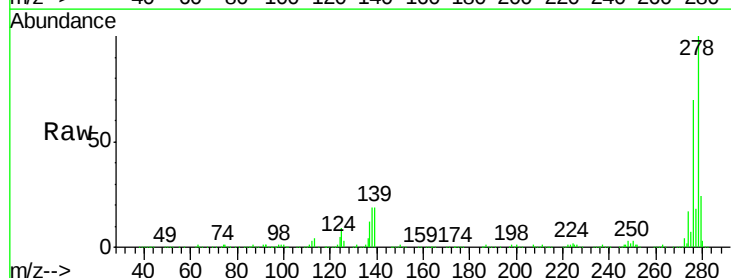
Tgt Ion:278 Resp: 1072362

Ion Ratio Lower Upper

278 100

139 18.9 15.1 22.7

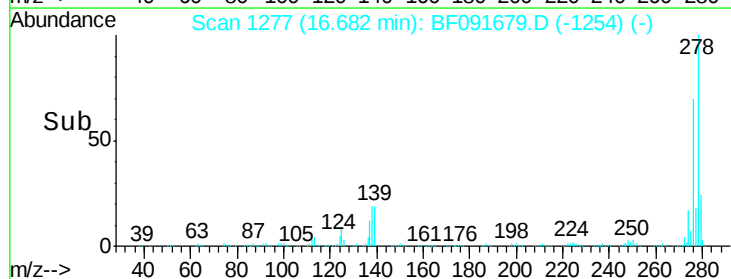
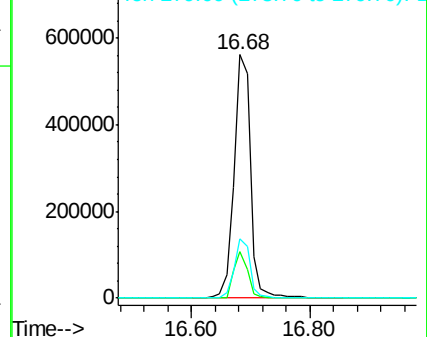
279 24.3 19.0 28.6

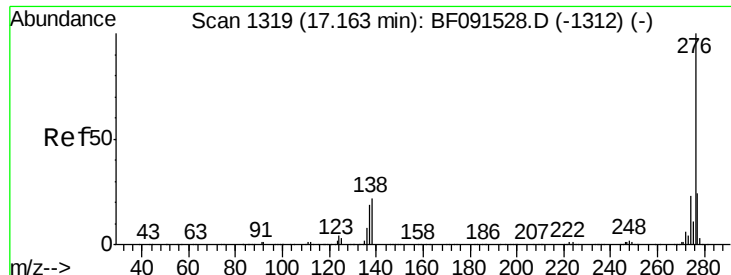


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 40.61 ng

RT: 17.08 min Scan# 1312

Delta R.T. -0.03 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

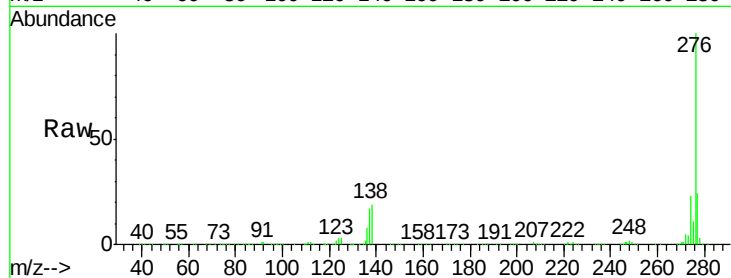
Tgt Ion:276 Resp: 1139659

Ion Ratio Lower Upper

276 100

277 23.6 19.0 28.4

138 19.5 15.4 23.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

