

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 23:17:29 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	155808m	62.56	ng	
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

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 23:17:29 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)
42) 2,4,6-Trichlorophenol	9.06	196	330274m	51.44	nq	
43) 2,4,5-Trichlorophenol	9.10	196	357669m	54.21	nq	
45) 1,1'-Biphenyl	9.24	154	1345449	50.98	nq	97
46) 2-Chloronaphthalene	9.26	162	1012972	49.57	nq	99
47) 2-Nitroaniline	9.36	65	328576	47.81	nq	# 83
48) Acenaphthylene	9.68	152	1460462	46.88	nq	99
49) Dimethylphthalate	9.55	163	1424010	61.72	nq	99
50) 2,6-Dinitrotoluene	9.61	165	290073	57.29	nq	# 86
51) Acenaphthene	9.85	154	1126254	52.05	nq	97
52) 3-Nitroaniline	9.77	138	133223	22.40	nq	92
53) 2,4-Dinitrophenol	9.88	184	260682	85.00	nq	# 84
54) Dibenzofuran	10.02	168	1357973	50.73	nq	96
55) 4-Nitrophenol	9.95	139	484920	109.58	nq	89
56) 2,4-Dinitrotoluene	10.01	165	352300	55.51	nq	# 53
57) Fluorene	10.36	166	1242422	67.43	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.14	232	365676	70.79	nq	94
59) Diethylphthalate	10.25	149	1517981	68.33	nq	96
60) 4-Chlorophenyl-phenylether	10.36	204	599745	62.31	nq	99
61) 4-Nitroaniline	10.38	138	335840	56.81	nq	93
62) Azobenzene	10.51	77	1841538	73.15	nq	88
64) 4,6-Dinitro-2-methylphenol	10.42	198	285944	51.56	nq	# 46
65) n-Nitrosodiphenylamine	10.48	169	1244338	45.91	nq	100
66) 4-Bromophenyl-phenylether	10.84	248	430384	46.18	nq	98
67) Hexachlorobenzene	10.91	284	476694	49.19	nq	# 88
68) Atrazine	11.01	200	476156	54.64	nq	92
69) Pentachlorophenol	11.10	266	518856	95.13	nq	95
70) Phenanthrene	11.32	178	2332577	51.82	nq	99
71) Anthracene	11.37	178	2187218	45.05	nq	99
72) Carbazole	11.53	167	2073605	48.72	nq	100
73) Di-n-butylphthalate	11.86	149	2462238	49.65	nq	98
74) Fluoranthene	12.50	202	2182094	46.29	nq	94
76) Benzidine	12.62	184	435188	20.28	nq	97
77) Pyrene	12.73	202	1903396	34.57	nq	99
79) Butylbenzylphthalate	13.36	149	1046111	48.74	nq	99
80) Benzo(a)anthracene	13.92	228	1718886	42.64	nq	99
81) 3,3'-Dichlorobenzidine	13.88	252	407031	28.12	nq	99
82) Chrysene	13.95	228	1664961	39.48	nq	99
83) Bis(2-ethylhexyl)phthalate	13.92	149	1270669	46.14	nq	97
84) Di-n-octyl phthalate	14.52	149	2414423	51.65	nq	# 90
85) Indeno(1,2,3-cd)pyrene	16.67	276	1312155	34.58	nq	100
87) Benzo(b)fluoranthene	14.93	252	1785660m	52.26	nq	
88) Benzo(k)fluoranthene	14.96	252	1382042m	46.00	nq	
89) Benzo(a)pyrene	15.27	252	1513897	49.18	nq	99
90) Dibenzo(a,h)anthracene	16.68	278	1072362	38.89	nq	99
91) Benzo(g,h,i)perylene	17.08	276	1139659	40.61	nq	100

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

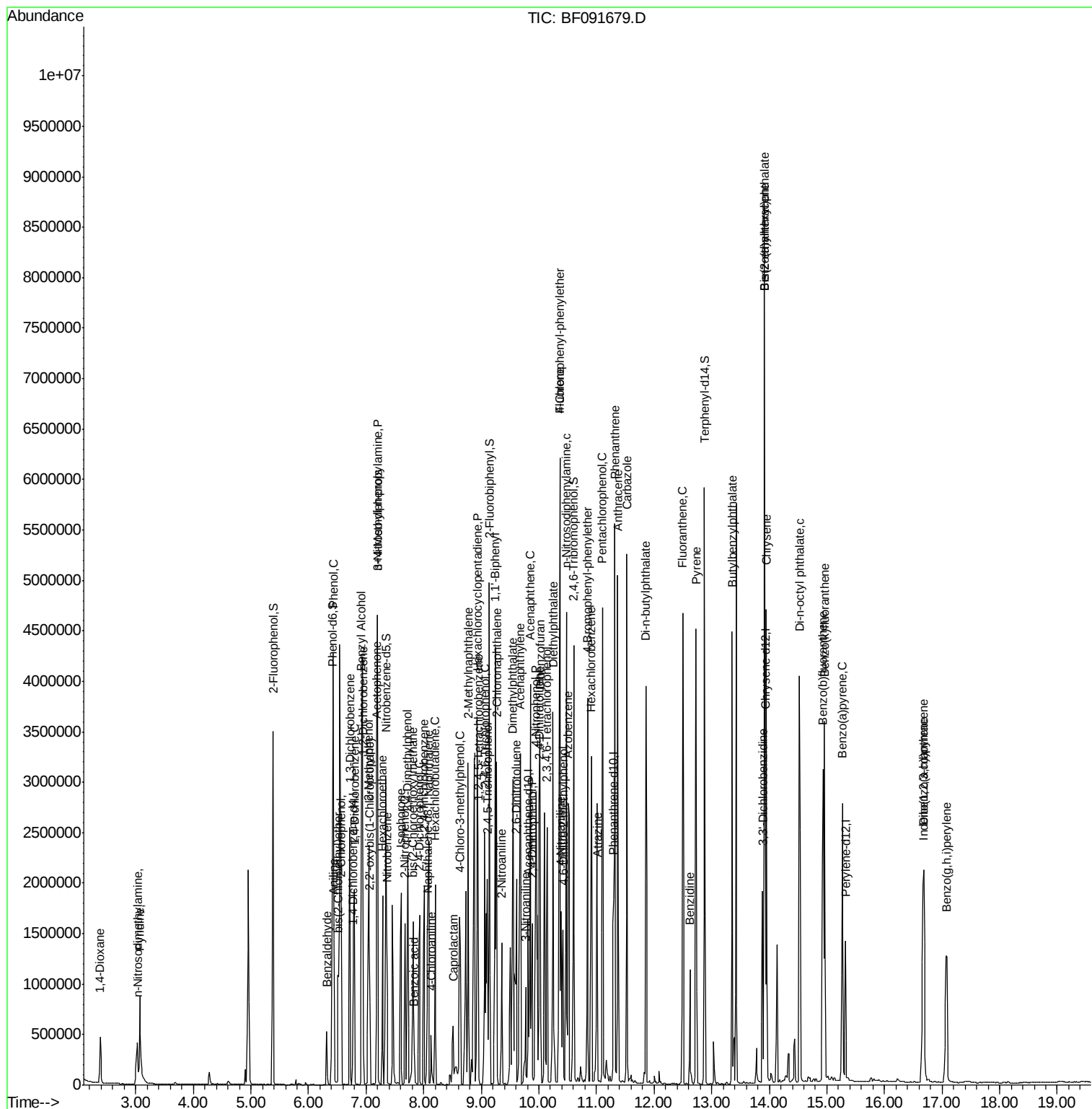
```

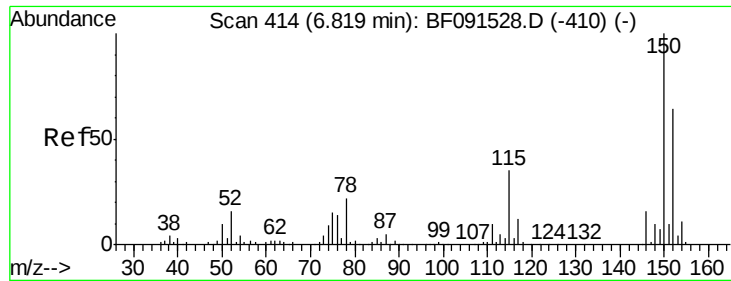
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091679.D
Acq On    : 16 Dec 2016   18:14
Operator  : UM/SJ
Sample    : H6029-04MSD
Misc      :
ALS Vial  : 8      Sample Multiplier: 1

```

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

Quant Time: Dec 16 23:17:29 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



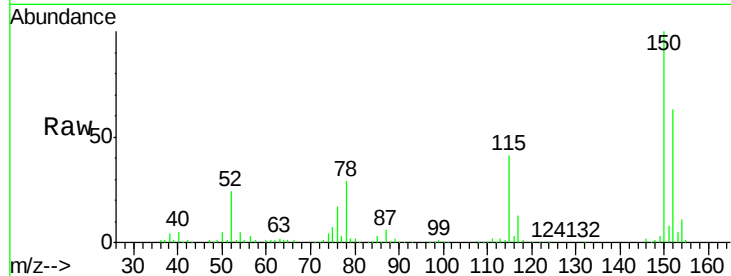


#1

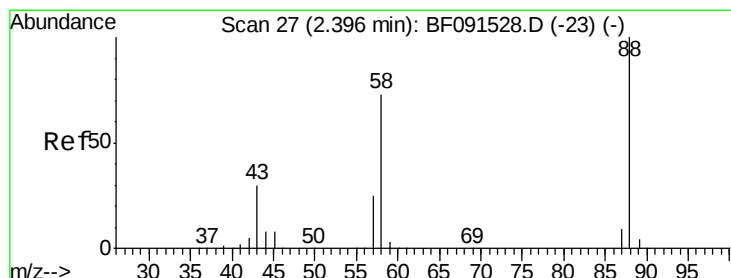
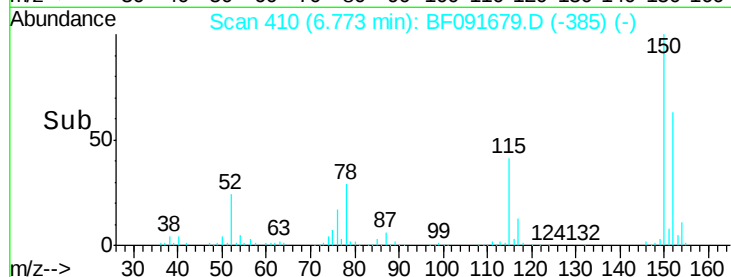
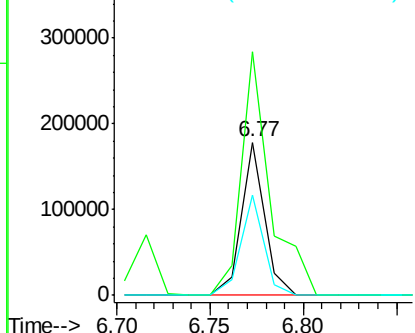
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion:152 Resp: 155333
Ion Ratio Lower Upper
152 100
150 159.2 122.5 183.7
115 65.3 51.8 77.8



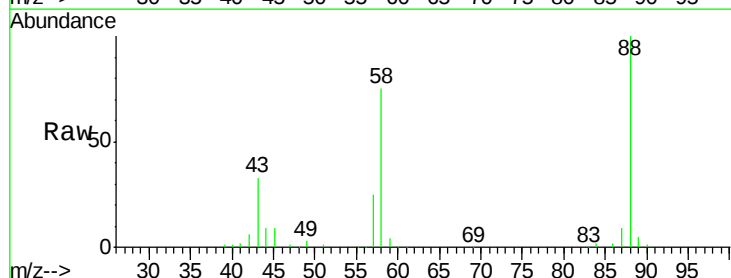
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



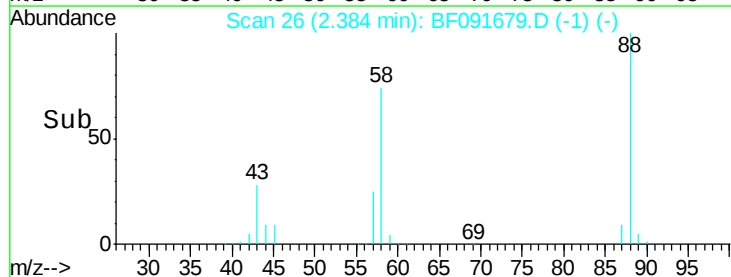
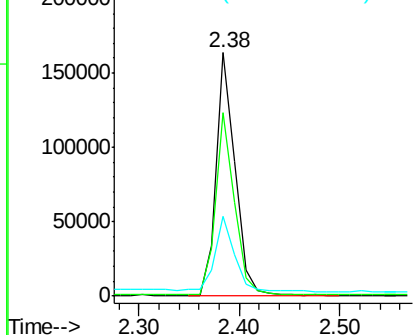
#2

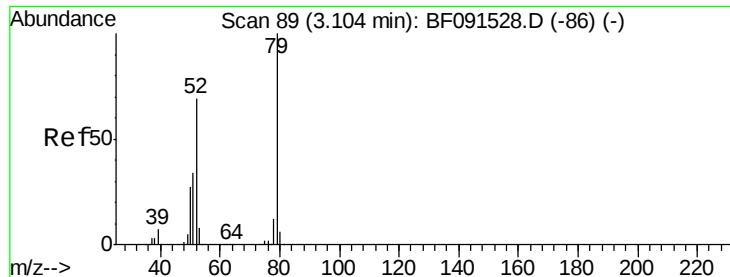
1,4-Dioxane
Concen: 43.71 ng
RT: 2.38 min Scan# 26
Delta R.T. 0.06 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

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

Pvridine

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

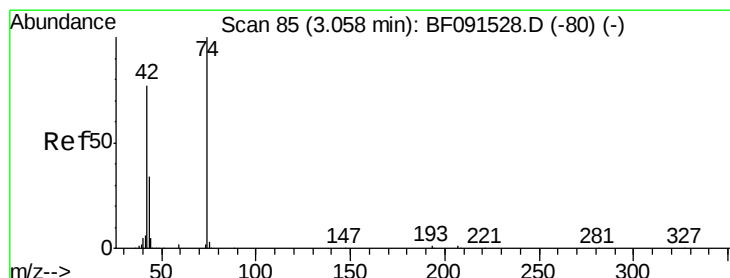
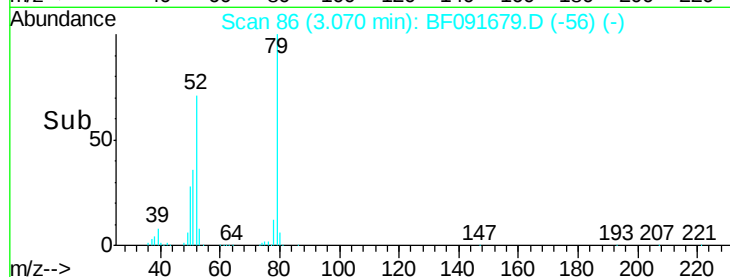
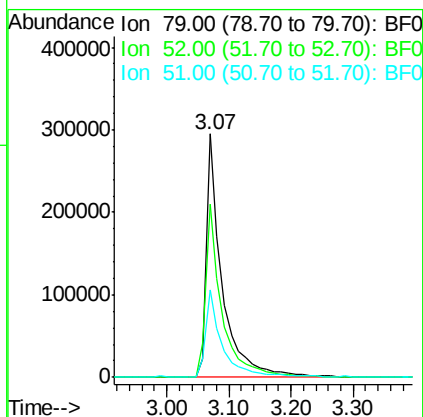
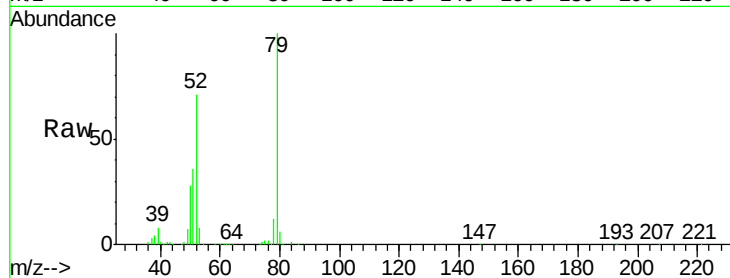
Tot Ion: 79 Resp: 515574

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

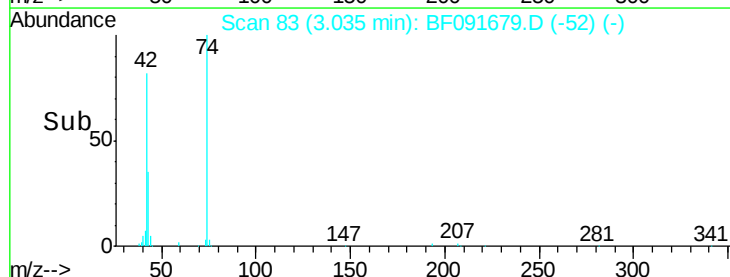
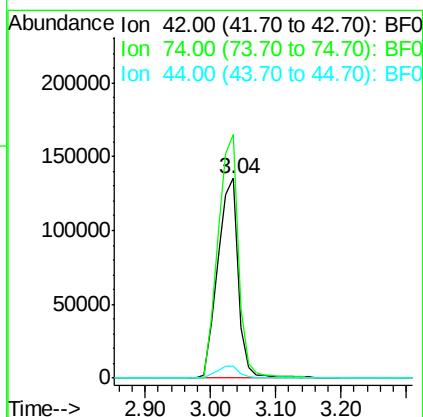
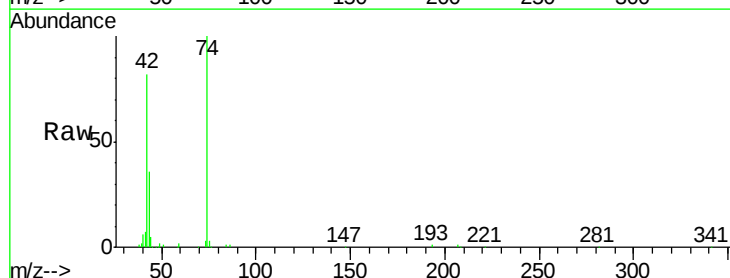
Tgt Ion: 42 Resp: 301595

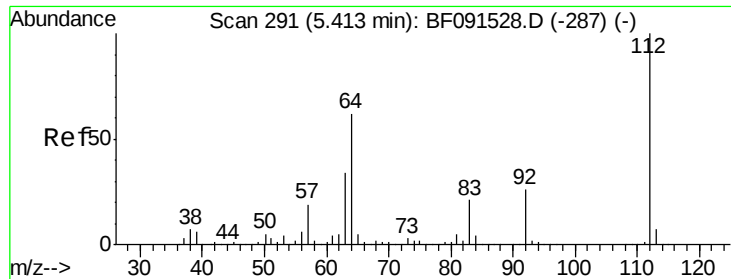
Ion Ratio Lower Upper

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

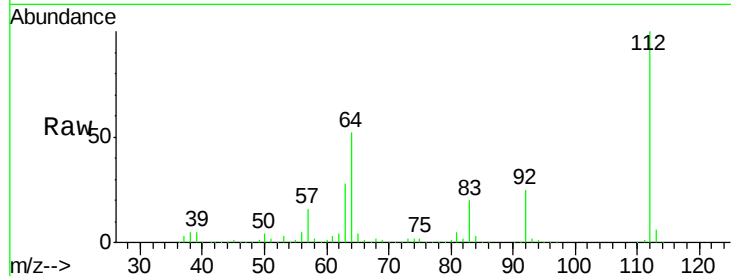
Tot Ion:112 Resp: 1470131

Ion Ratio Lower Upper

112 100

64 52.4 61.5 92.3#

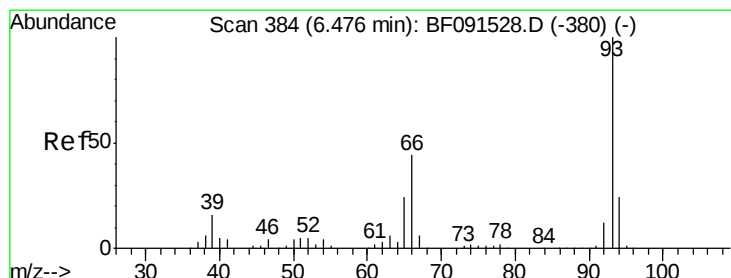
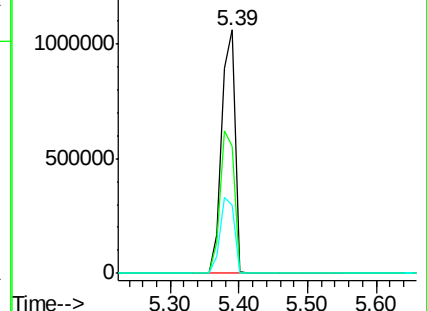
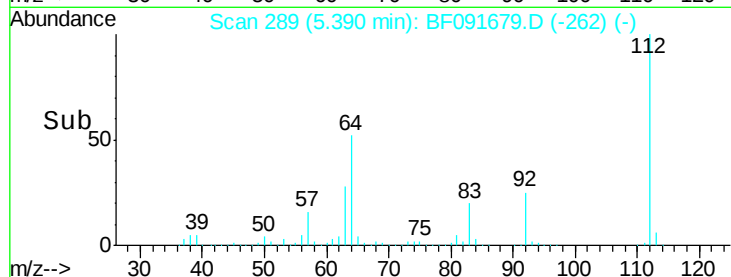
63 28.3 33.3 49.9#



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

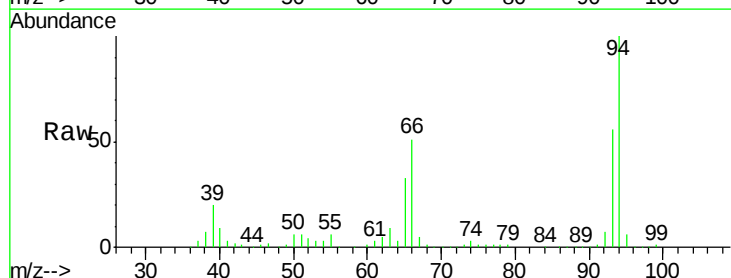
Tgt Ion: 93 Resp: 313498

Ion Ratio Lower Upper

93 100

66 91.7 55.8 83.6#

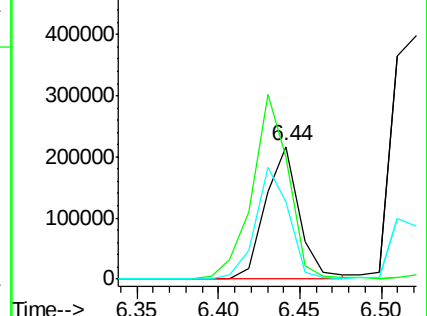
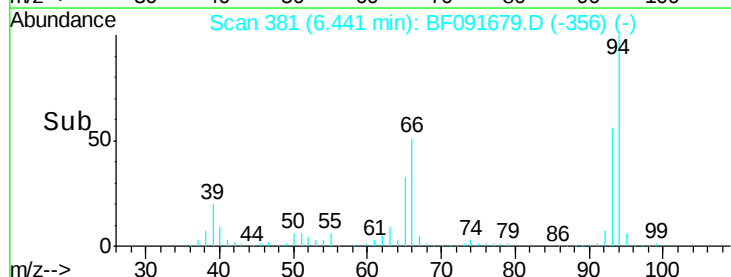
65 58.6 29.9 44.9#

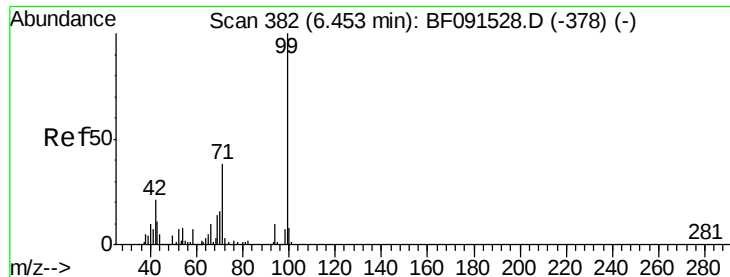


Abundance Ion 93.00 (92.70 to 93.70): BF0

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

Instrument :

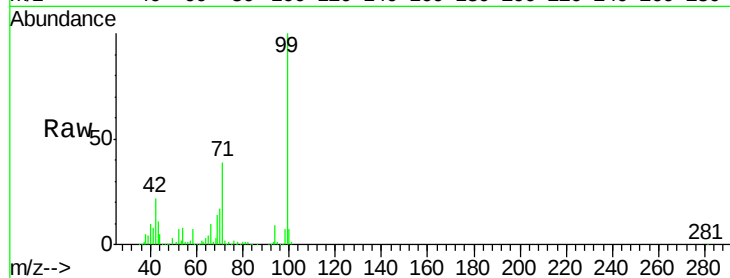
BNA_F

ClientSampleId :

IDW-SOIL-01MSD

Tot Ion: 99 Resp: 1844295

Ion	Ratio	Lower	Upper
99	100		
42	21.7	20.6	31.0
71	39.0	29.9	44.9

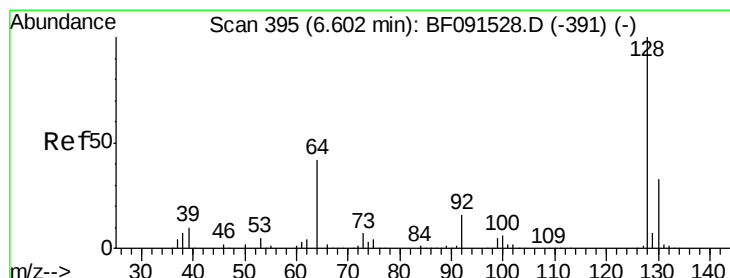
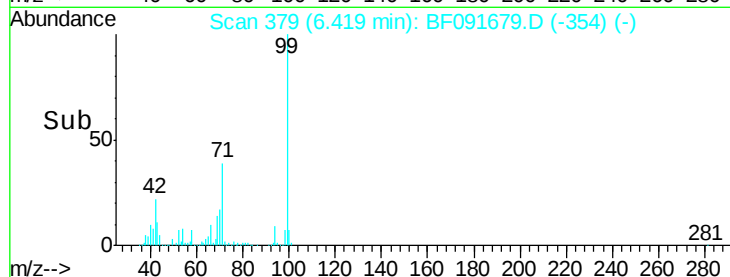


Abundance

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

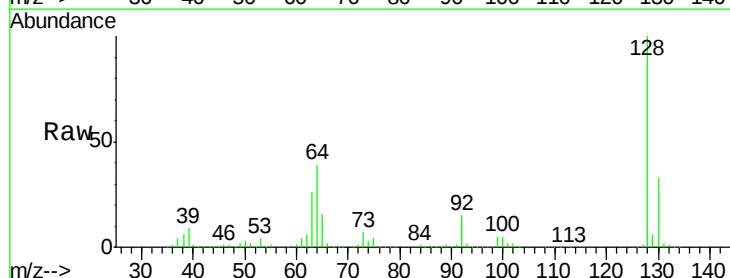
Delta R.T. -0.00 min

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

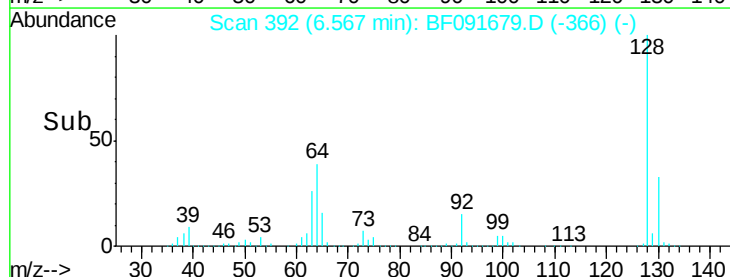


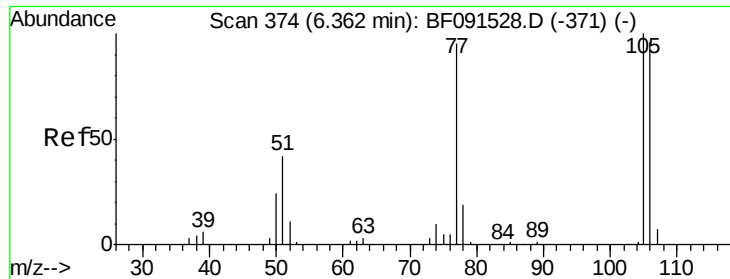
Abundance

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

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

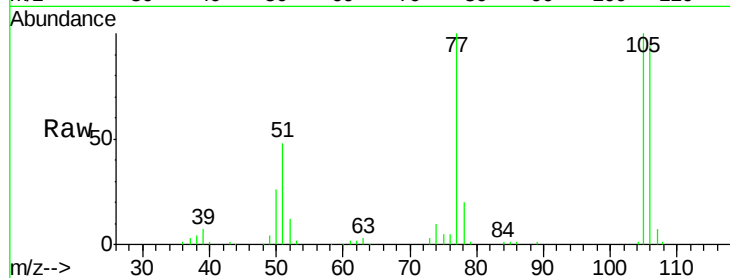
Tot Ion: 77 Resp: 99853

Ion Ratio Lower Upper

77 100

105 100.3 66.4 106.4

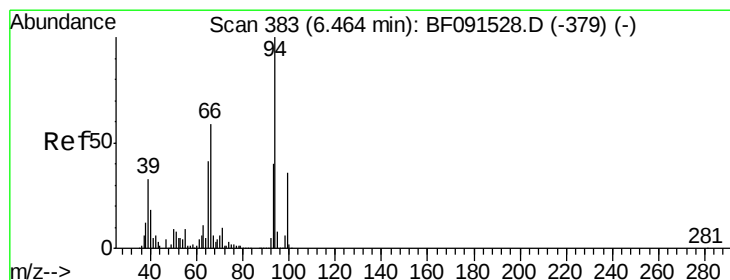
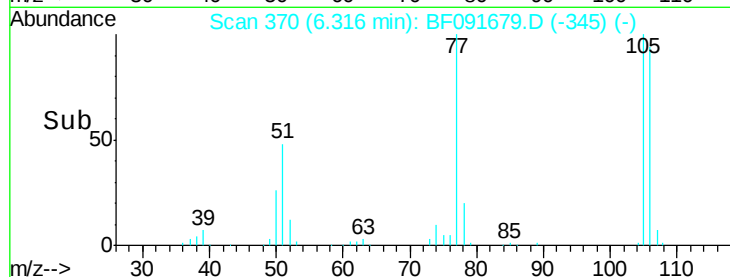
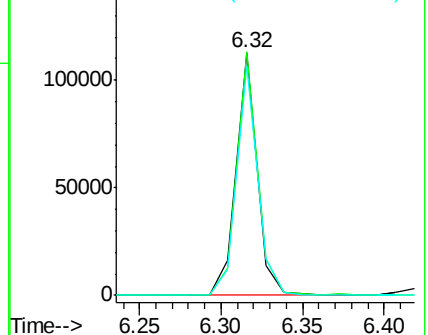
106 94.5 60.9 100.9



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

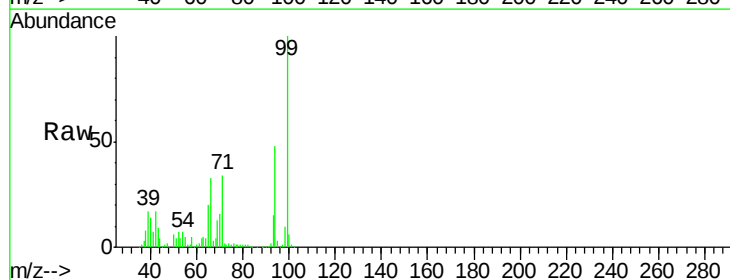
Tgt Ion: 94 Resp: 648383

Ion Ratio Lower Upper

94 100

65 40.9 16.9 56.9

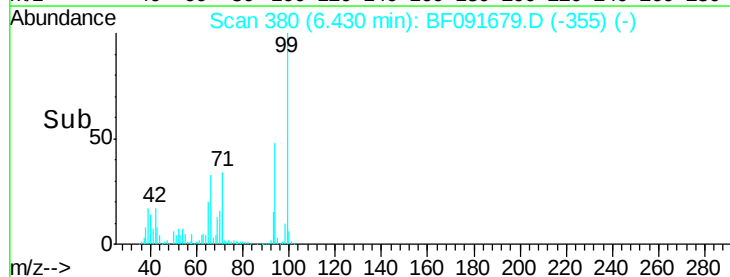
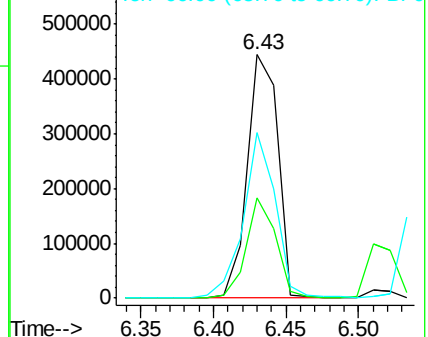
66 68.1 30.6 70.6

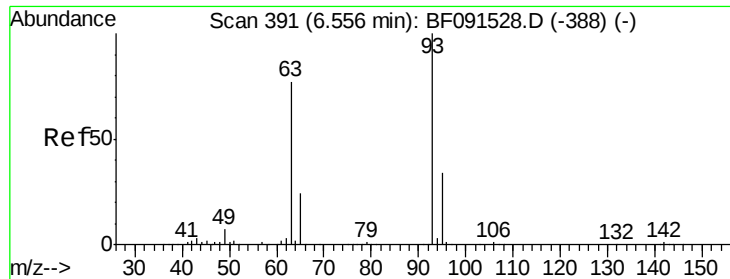


Abundance Ion 94.00 (93.70 to 94.70): BF0

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

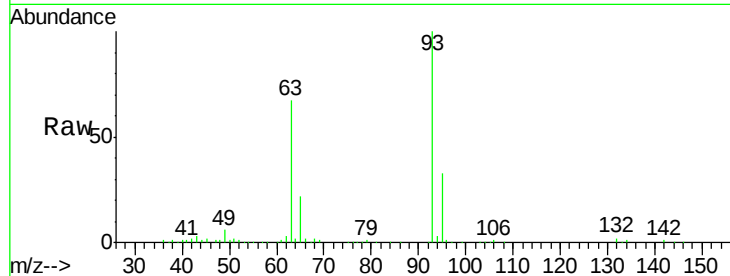
Tot Ion: 93 Resp: 538912

Ion Ratio Lower Upper

93 100

63 67.1 74.8 114.8#

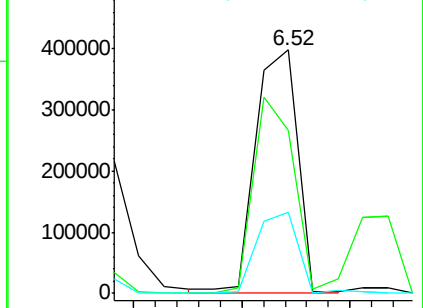
95 33.1 12.4 52.4



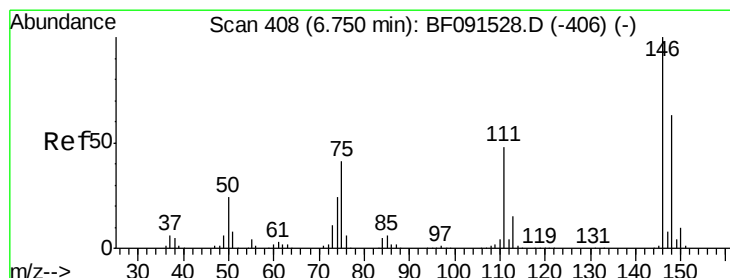
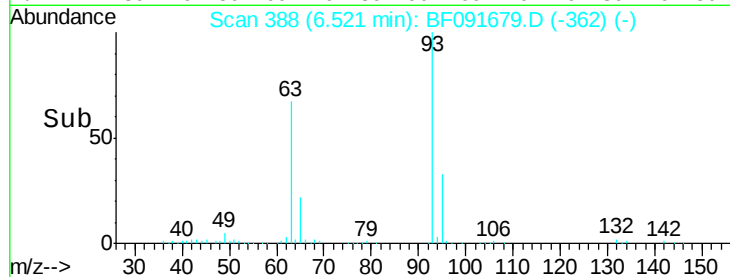
Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



Time-->



#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

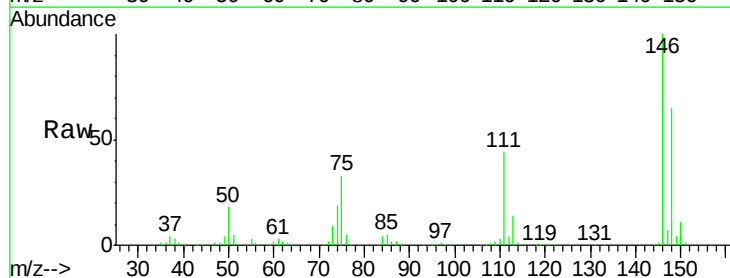
Tgt Ion: 146 Resp: 573326

Ion Ratio Lower Upper

146 100

148 65.1 51.4 77.0

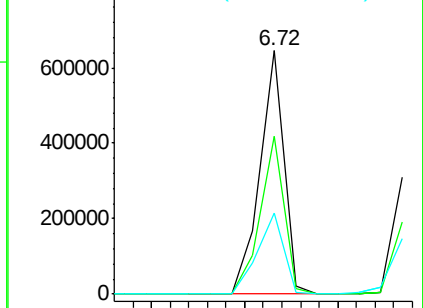
75 33.4 23.6 35.4



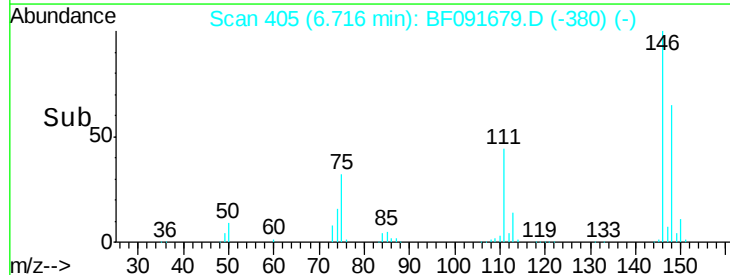
Abundance Ion 146.00 (145.70 to 146.70): E

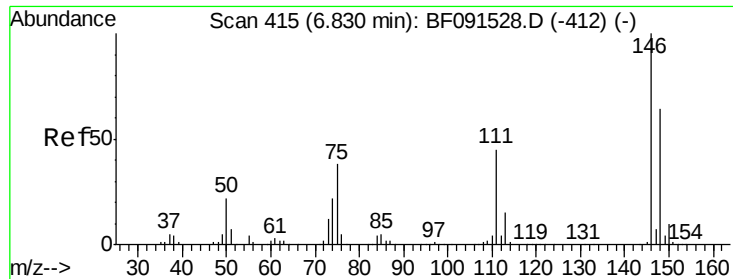
Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0



Time-->

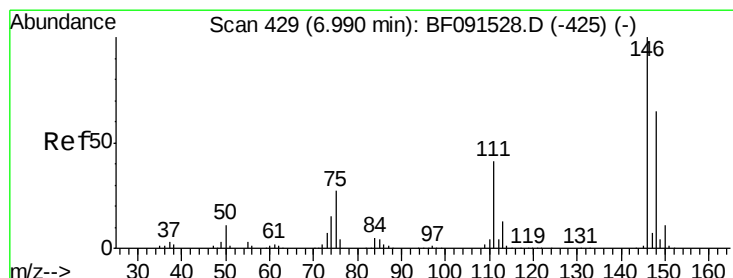
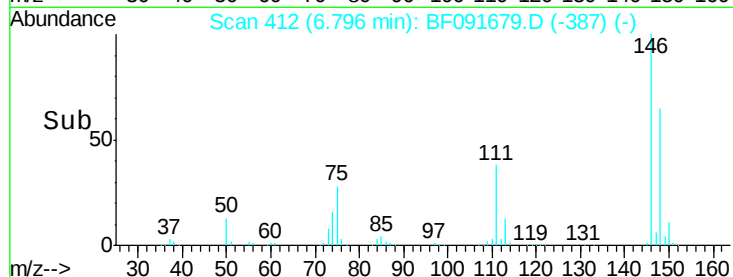
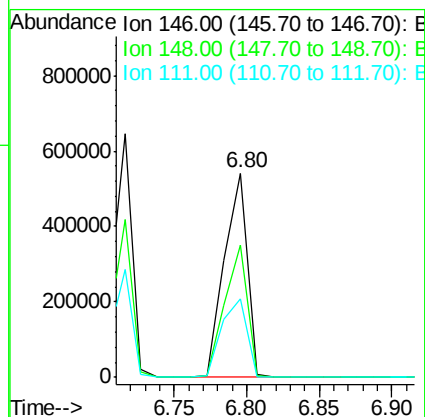
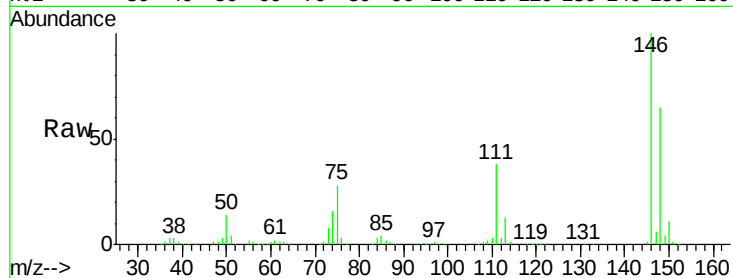




#13
 1,4-Dichlorobenzene
 Concen: 53.20 ng
 RT: 6.80 min Scan# 412
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

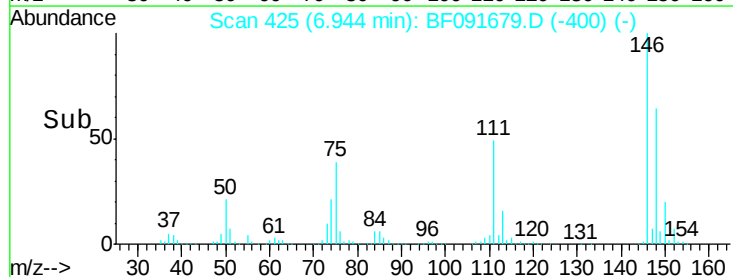
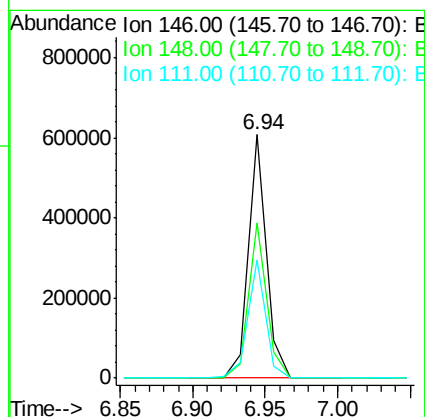
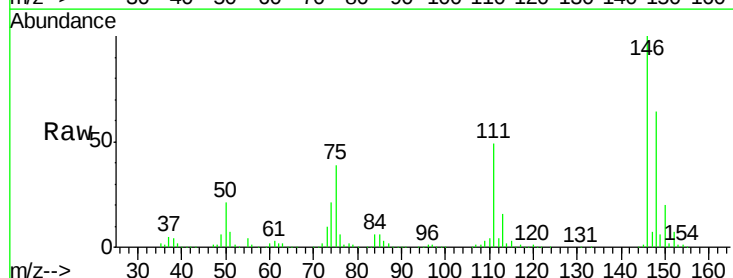
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

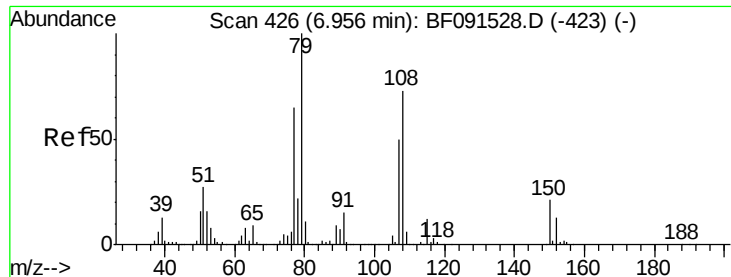
Tot Ion:146 Resp: 592214
 Ion Ratio Lower Upper
 146 100
 148 64.9 51.4 77.0
 111 38.4 32.2 48.2



#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





#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

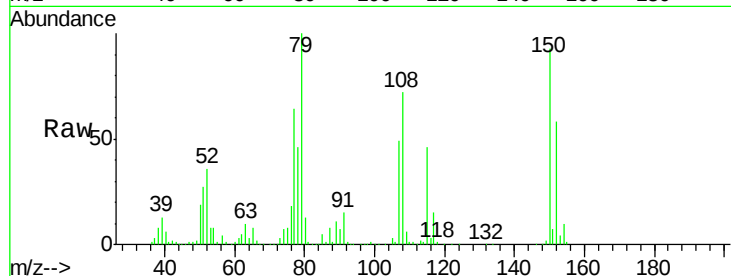
Tot Ion: 79 Resp: 491647

Ion Ratio Lower Upper

79 100

108 71.7 62.7 94.1

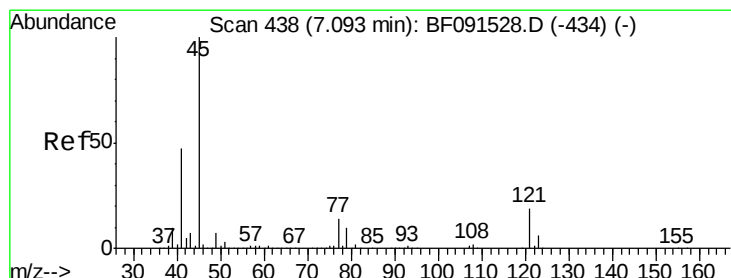
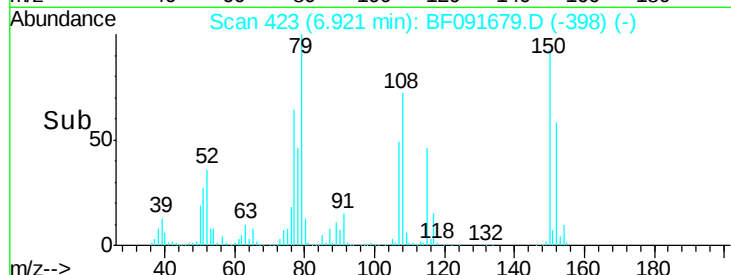
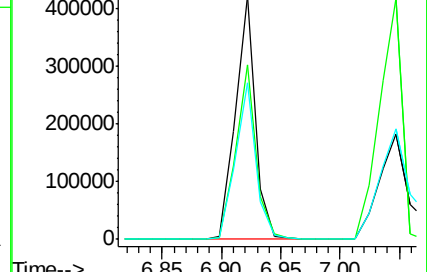
77 64.2 51.7 77.5



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 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

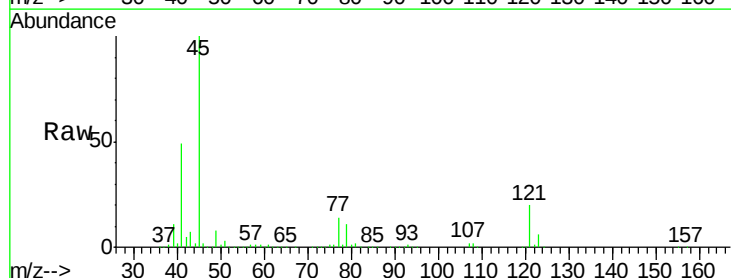
Tgt Ion: 45 Resp: 749157

Ion Ratio Lower Upper

45 100

77 14.0 3.8 43.8

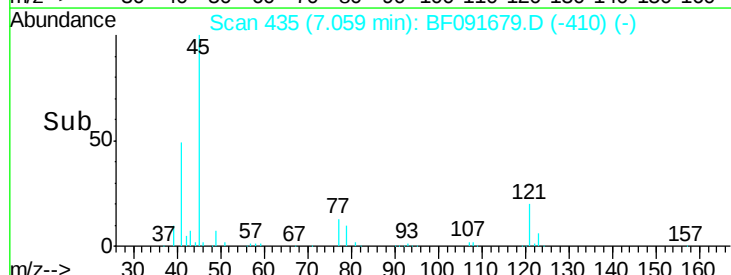
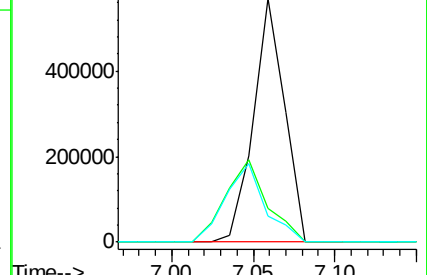
79 10.8 0.2 40.2

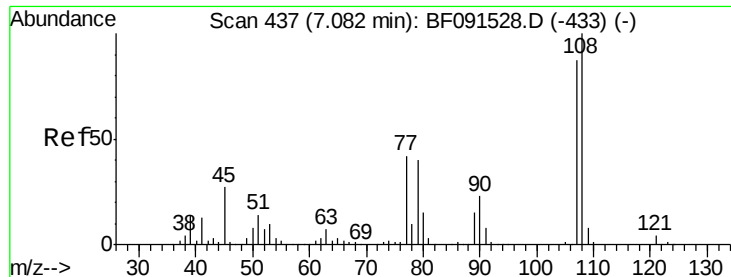


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 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

Tot Ion:107 Resp: 483081

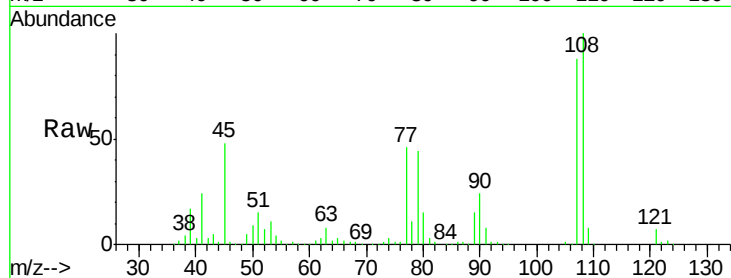
Ion Ratio Lower Upper

107 100

108 114.0 67.7 101.5#

77 52.5 40.7 61.1

79 49.9 23.4 35.2#

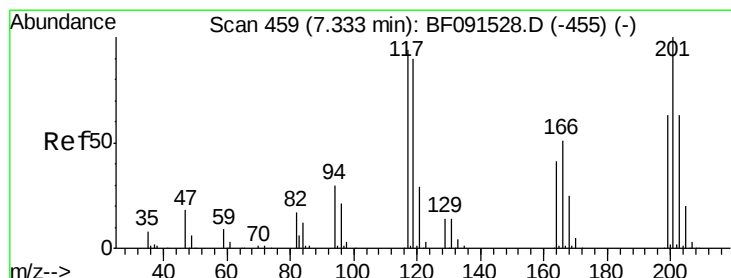
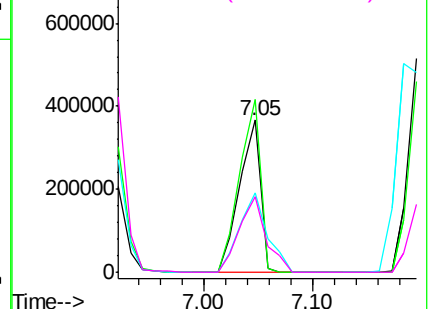
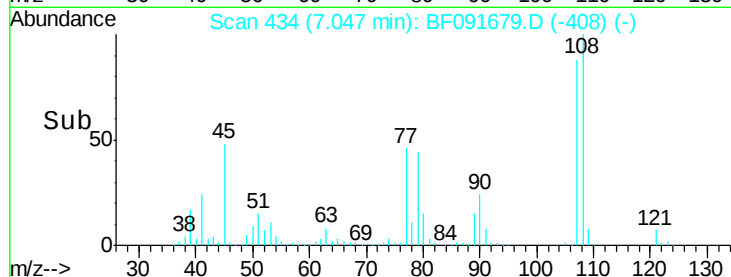


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 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

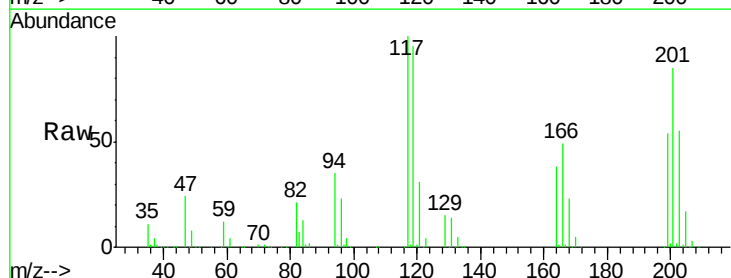
Tgt Ion:117 Resp: 219062

Ion Ratio Lower Upper

117 100

119 95.0 78.6 118.0

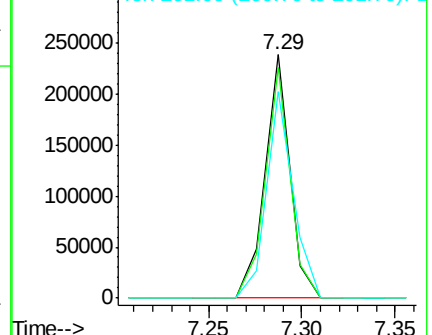
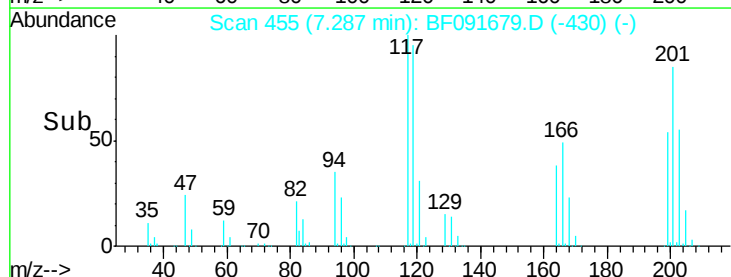
201 85.1 86.7 130.1#

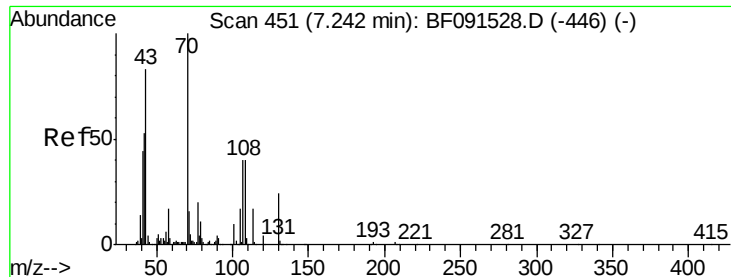


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

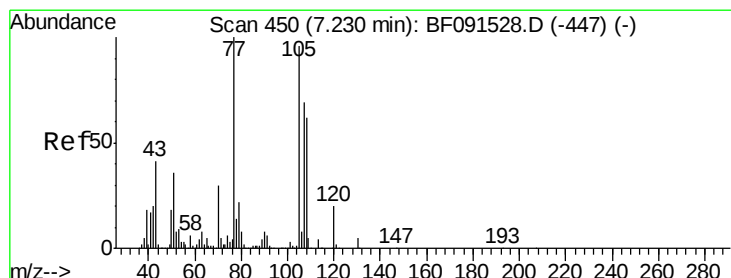
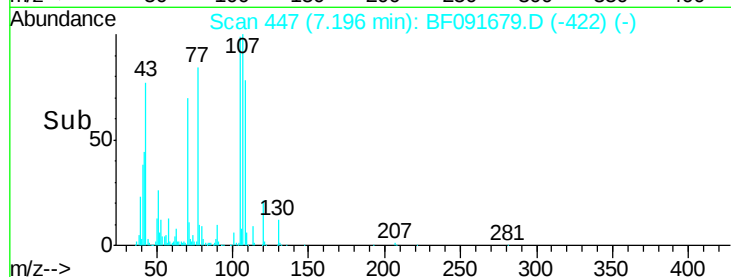
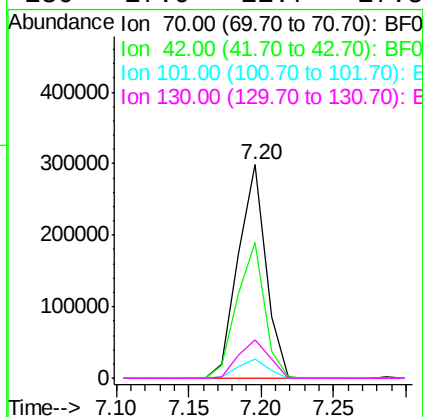
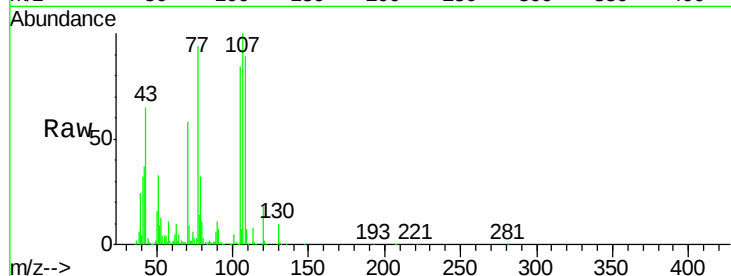




#19
n-Nitroso-di-n-propylamine
Concen: 55.20 ng
RT: 7.20 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

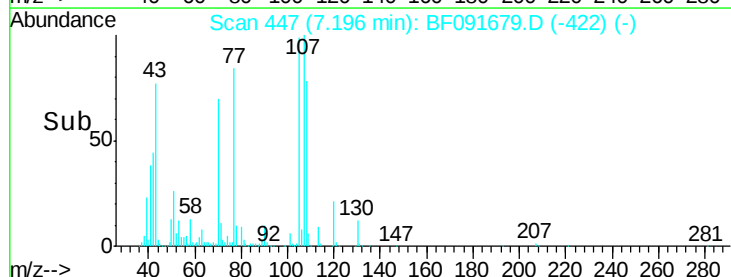
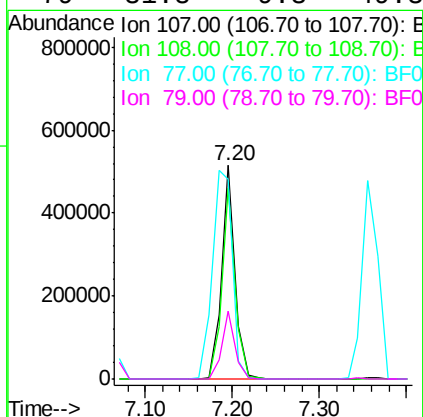
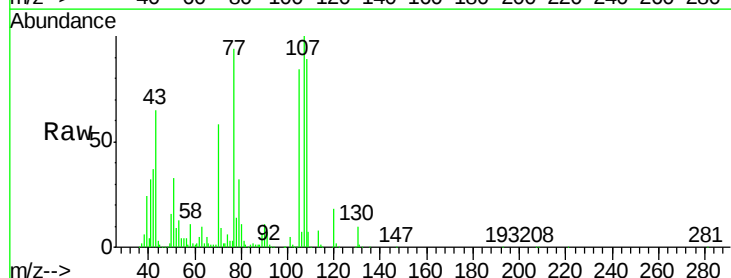
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

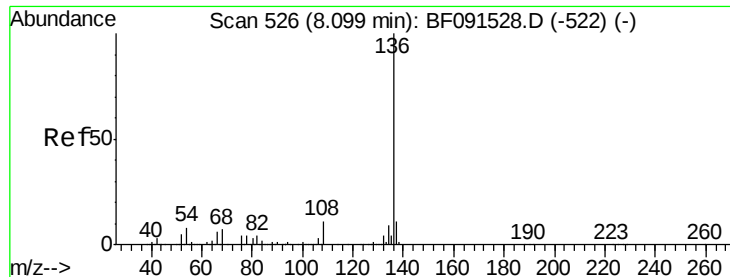
Tot Ion: 70 Resp: 396735
Ion Ratio Lower Upper
70 100
42 63.3 64.8 97.2#
101 8.9 6.2 9.4
130 17.9 11.7 17.5#



#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

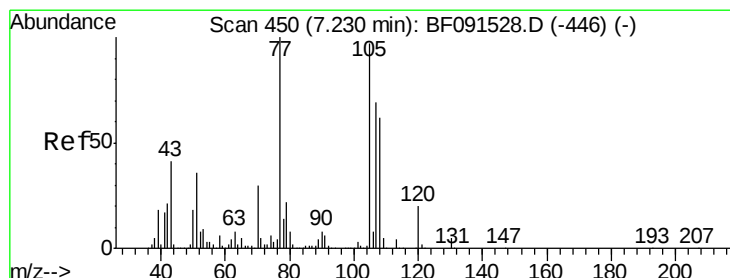
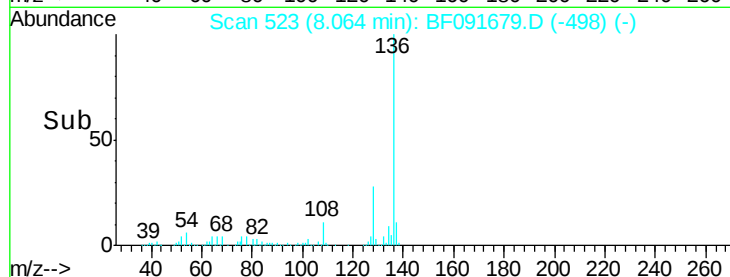
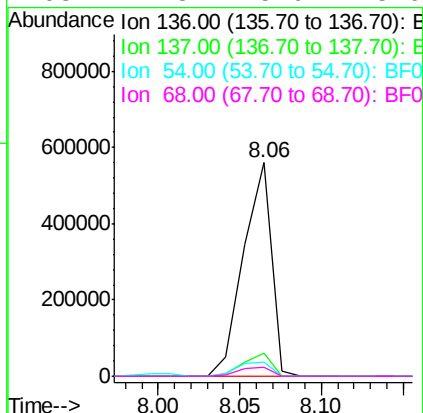
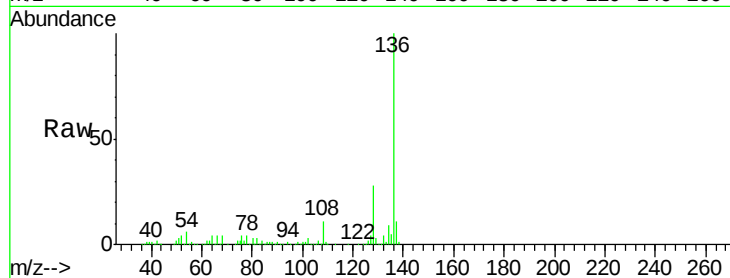




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

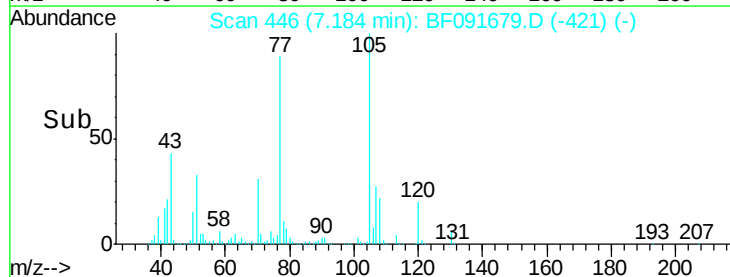
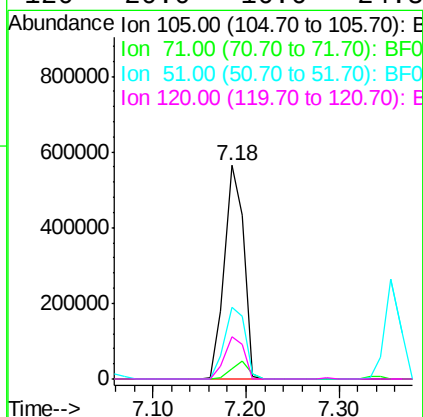
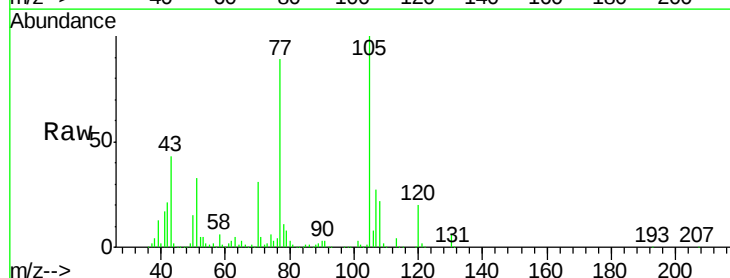
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

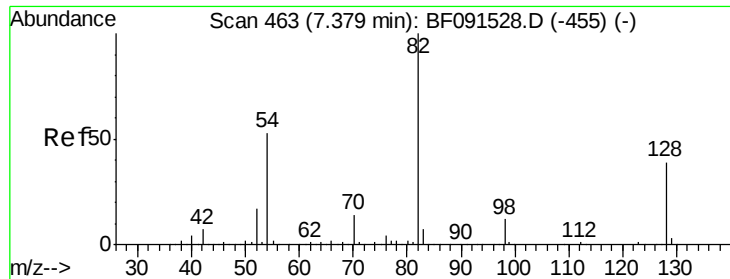
Tot Ion:136	Resp:	667960	
Ion Ratio	Lower	Upper	
136 100			
137 10.8	9.1	13.7	
54 6.4	9.1	13.7#	
68 4.3	5.9	8.9#	



#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

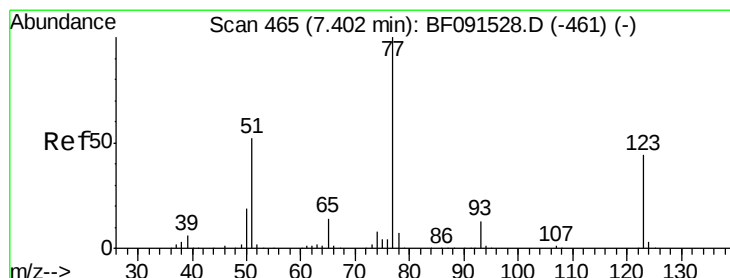
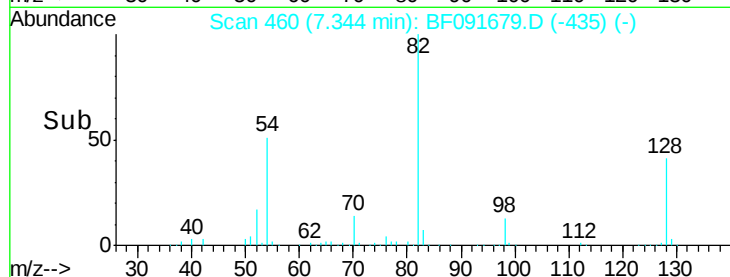
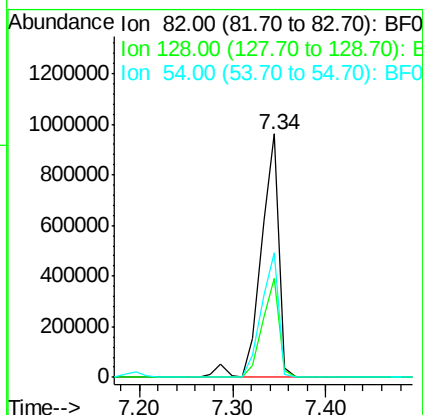
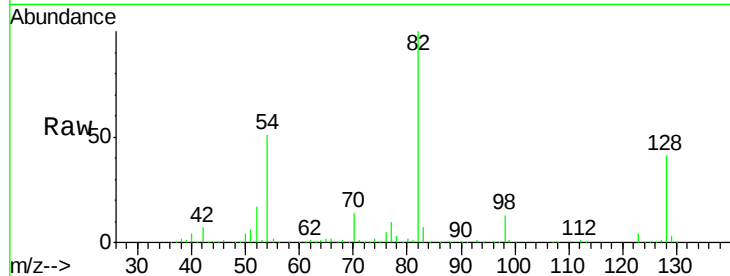




#23
Nitrobenzene-d5
Concen: 105.87 ng
RT: 7.34 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

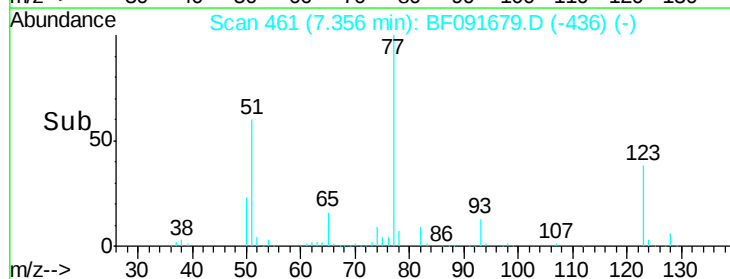
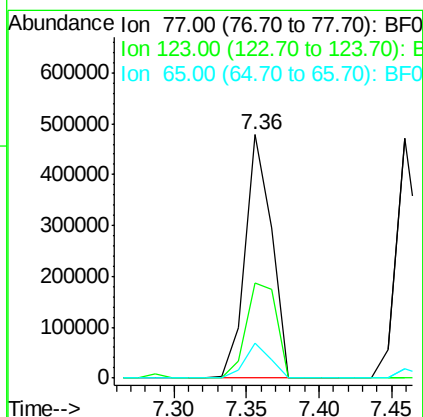
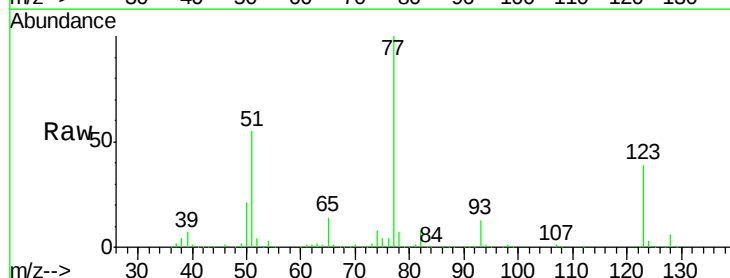
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

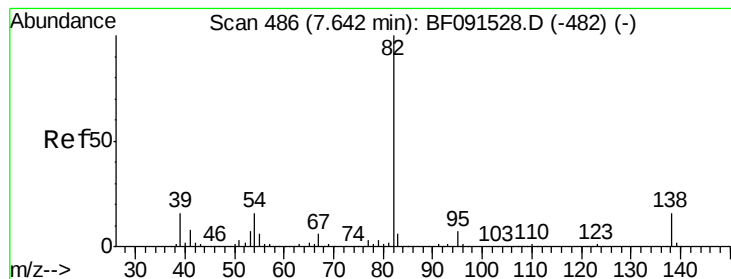
Tot Ion: 82 Resp: 1267096
Ion Ratio Lower Upper
82 100
128 40.5 31.8 47.6
54 50.9 49.1 73.7



#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

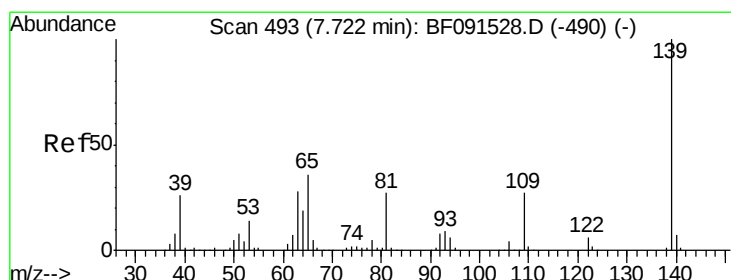
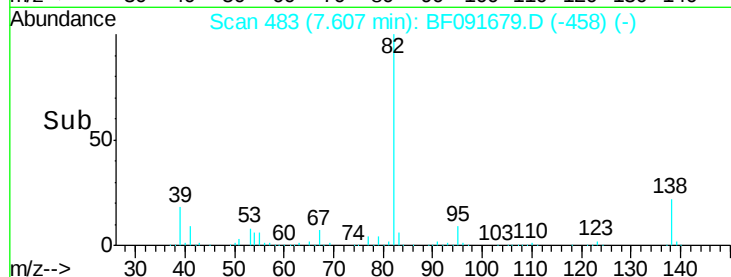
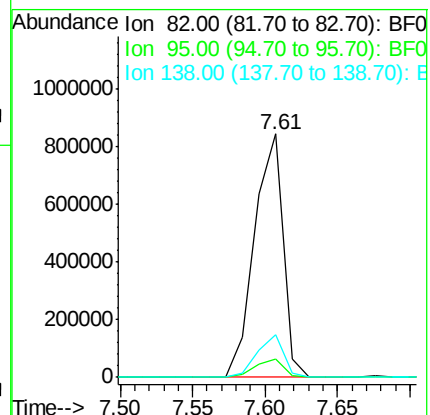
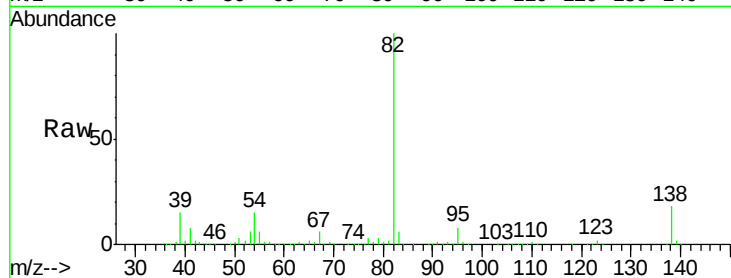
Tot Ion: 82 Resp: 1157921

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

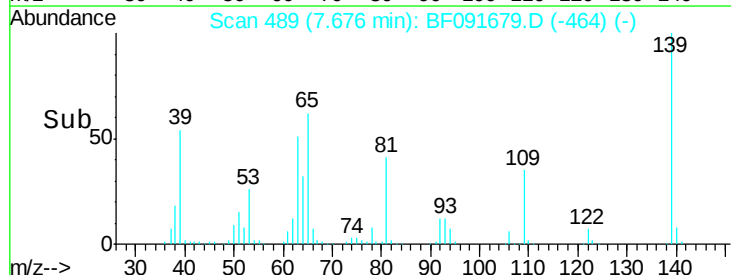
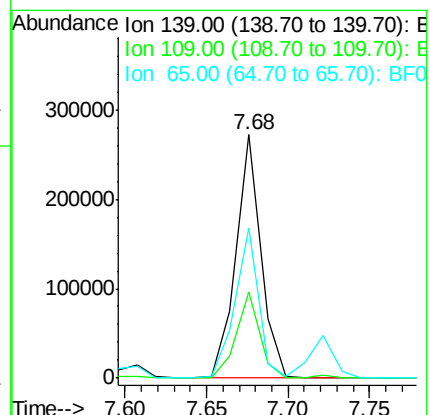
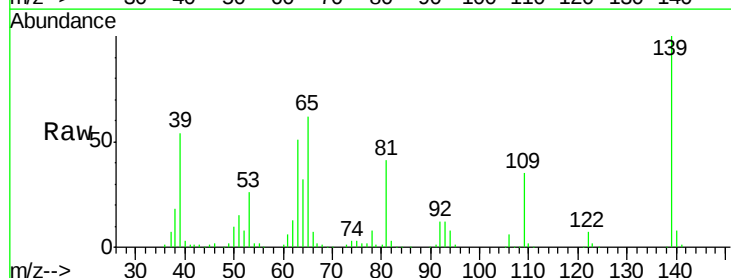
Tgt Ion: 139 Resp: 285896

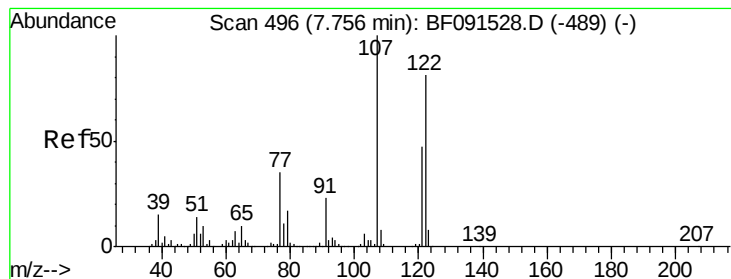
Ion Ratio Lower Upper

139 100

109 35.3 25.3 37.9

65 61.7 55.4 83.2

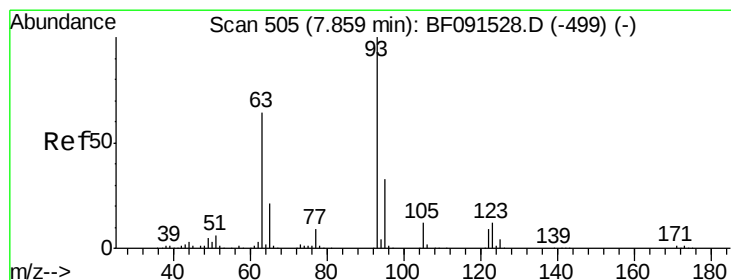
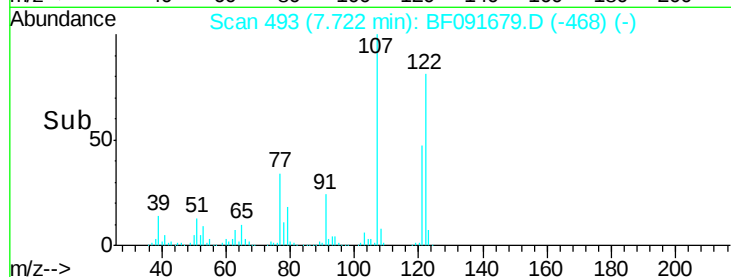
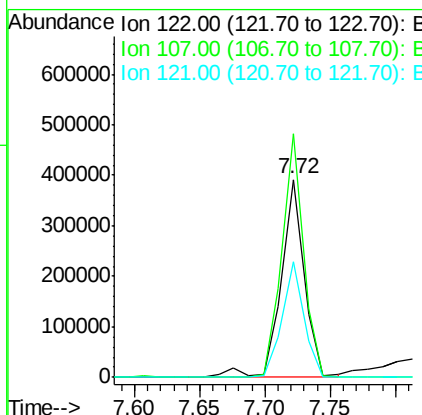
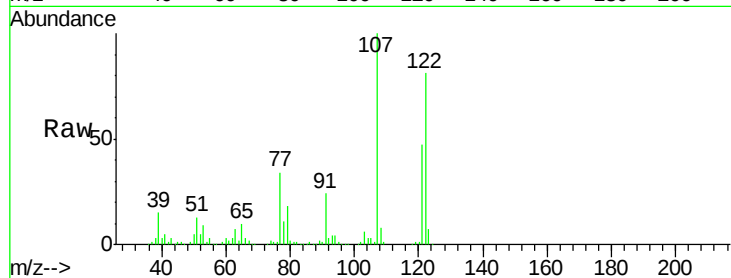




#27
 2,4-Dimethylphenol
 Concen: 48.76 ng
 RT: 7.72 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

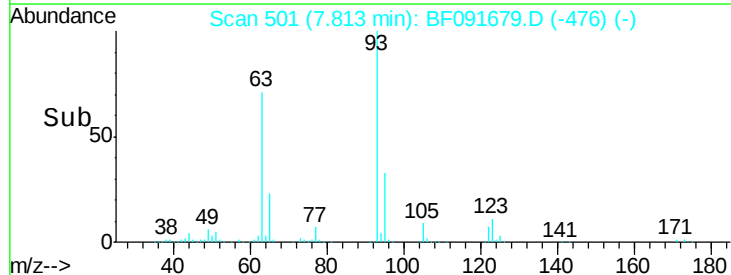
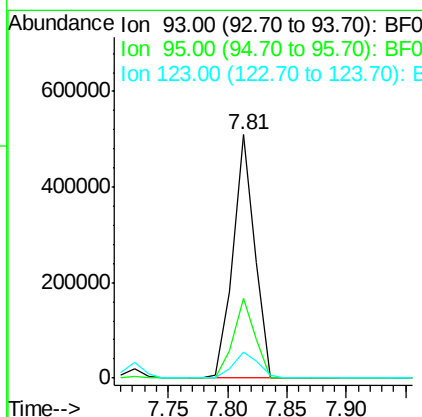
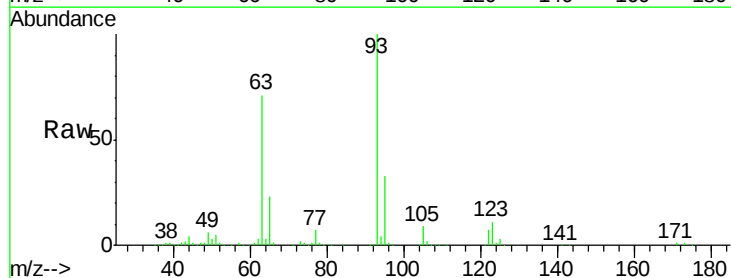
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

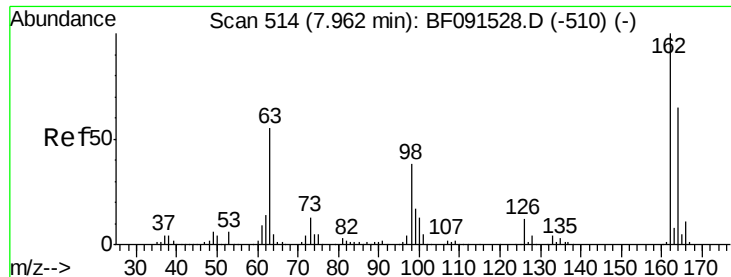
Tot Ion:122 Resp: 477959
 Ion Ratio Lower Upper
 122 100
 107 123.0 96.8 145.2
 121 58.1 47.7 71.5



#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: 93 Resp: 645550
 Ion Ratio Lower Upper
 93 100
 95 32.7 26.0 39.0
 123 10.6 8.6 12.8

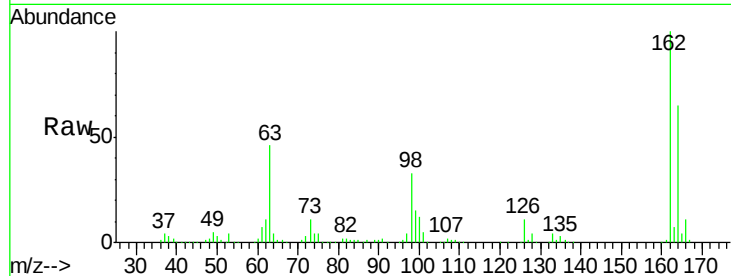




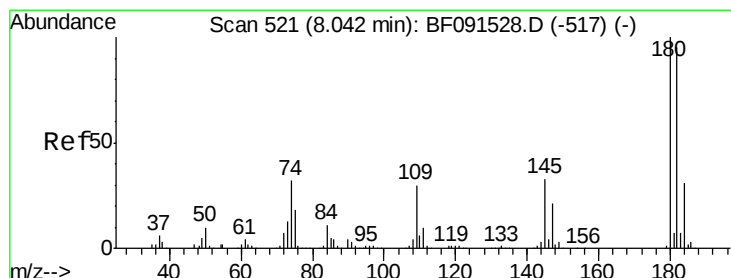
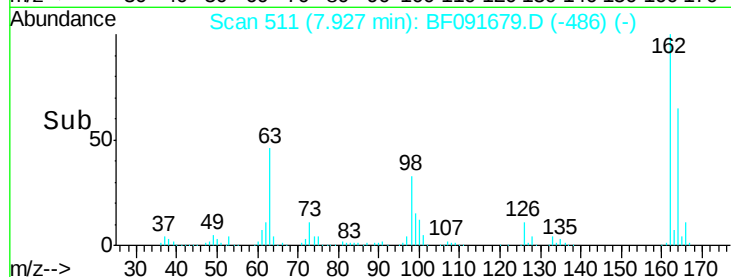
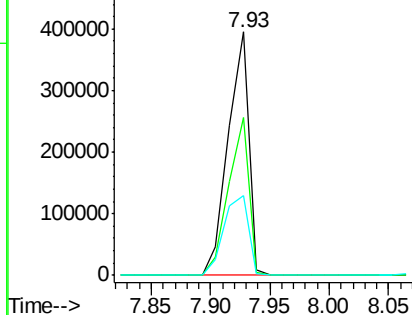
#29
2,4-Dichlorophenol
Concen: 56.05 ng
RT: 7.93 min Scan# 511
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion:162 Resp: 478027
Ion Ratio Lower Upper
162 100
164 65.0 45.0 85.0
98 33.0 21.3 61.3

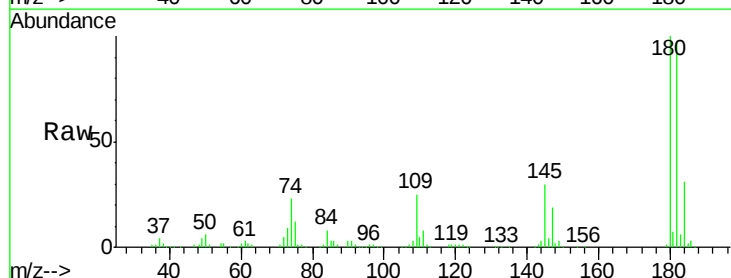


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

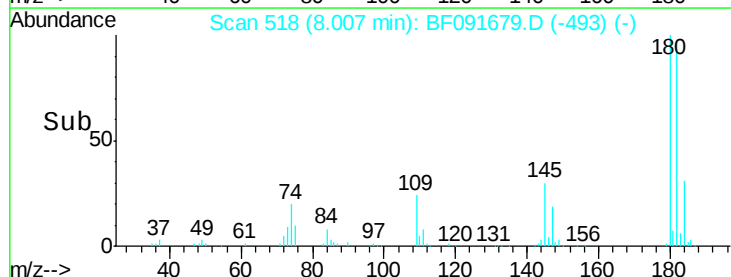
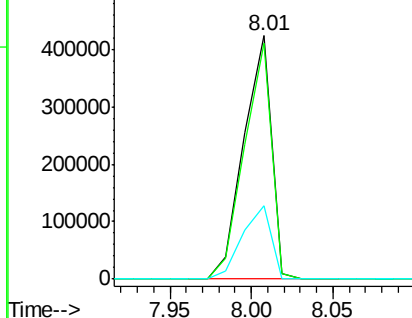


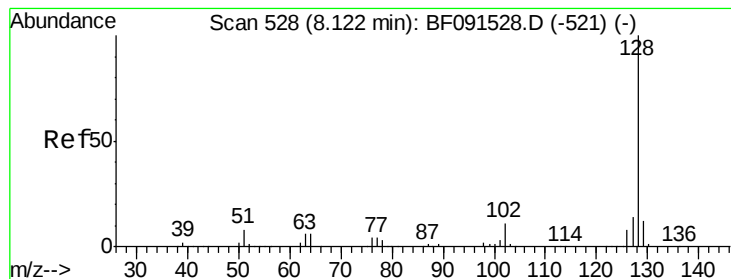
#30
1,2,4-Trichlorobenzene
Concen: 51.61 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

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

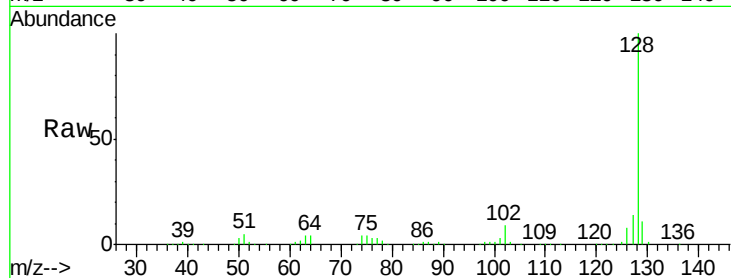
Tot Ion:128 Resp: 1614566

Ion Ratio Lower Upper

128 100

129 10.8 9.1 13.7

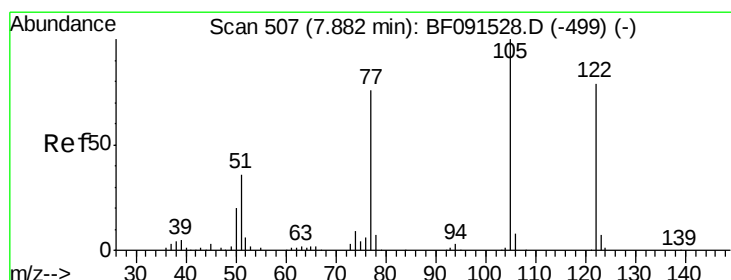
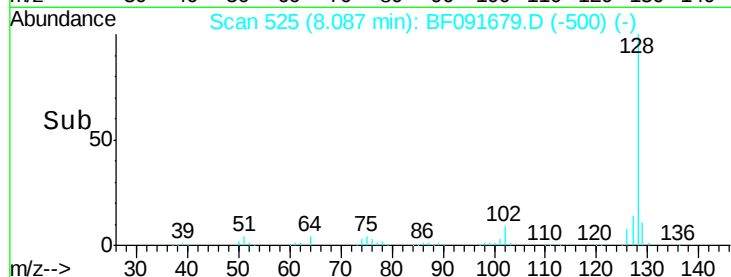
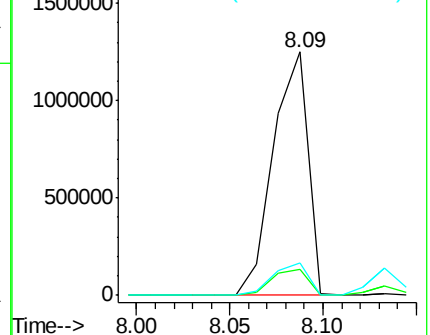
127 13.5 11.0 16.4



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

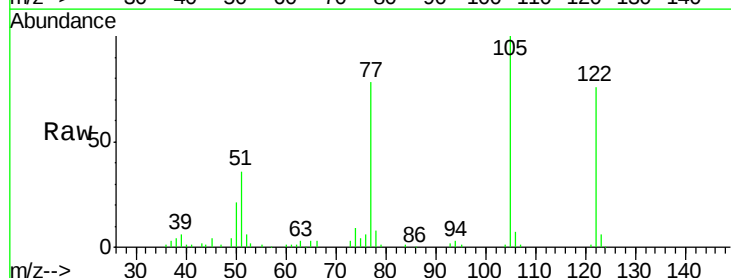
Tgt Ion:122 Resp: 168017

Ion Ratio Lower Upper

122 100

105 130.7 113.0 153.0

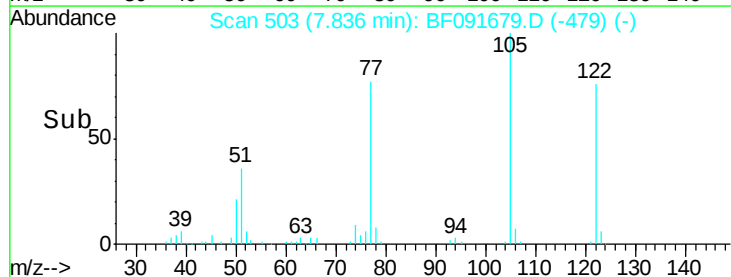
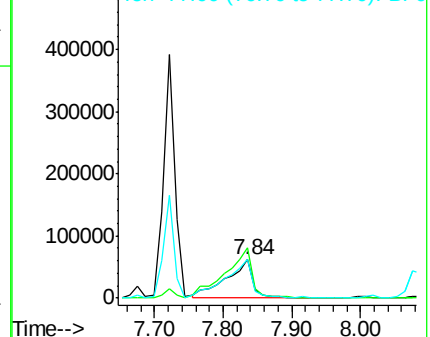
77 102.2 82.0 122.0

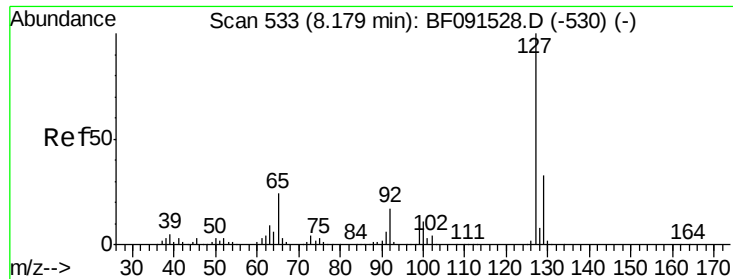


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

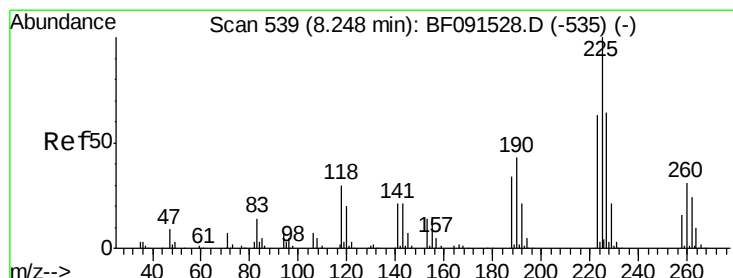
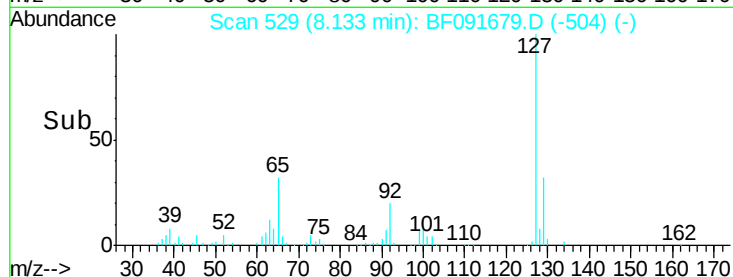
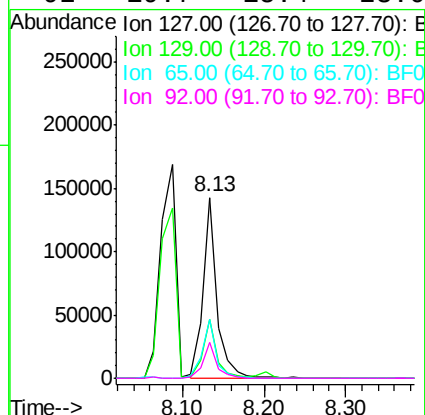
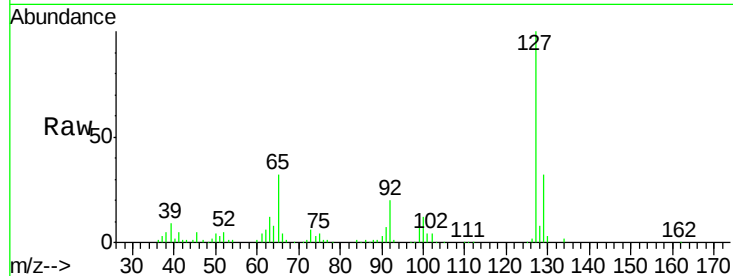




#33
4-Chloroaniline
Concen: 12.86 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

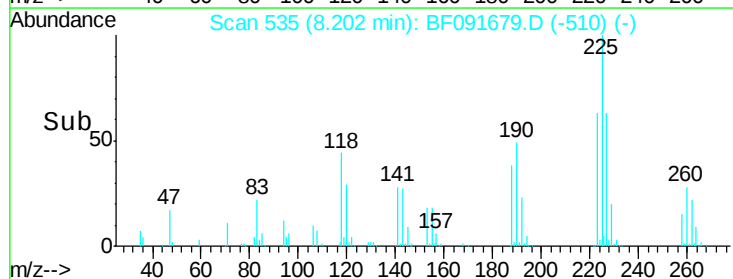
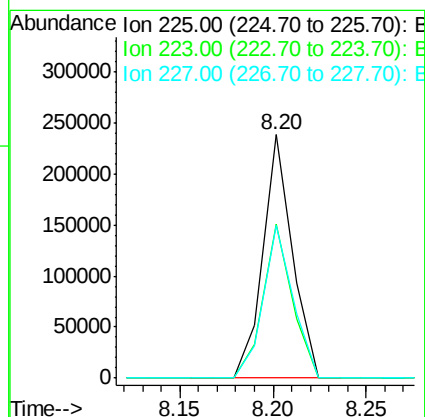
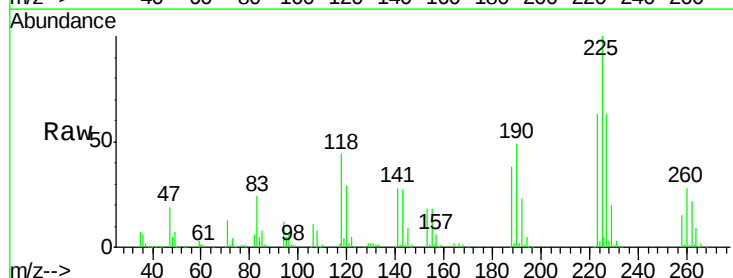
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

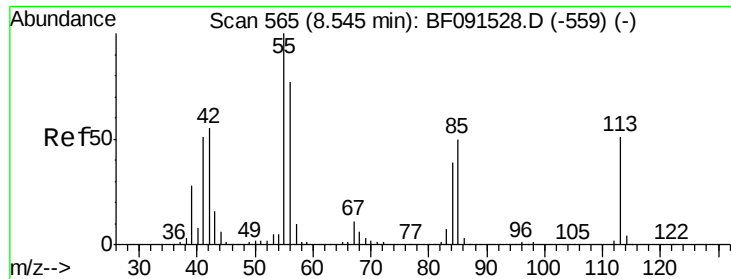
Tot Ion:	127	Resp:	172221
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.2	39.4
65	32.4	26.6	39.8
92	19.7	15.4	23.0



#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

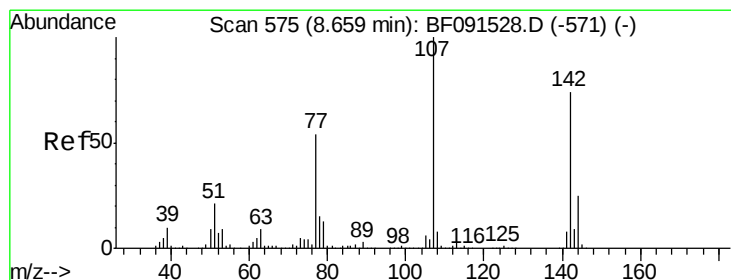
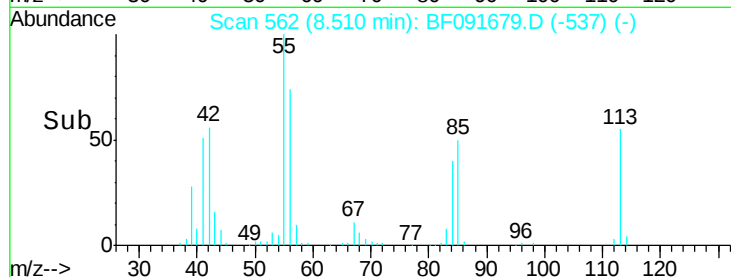
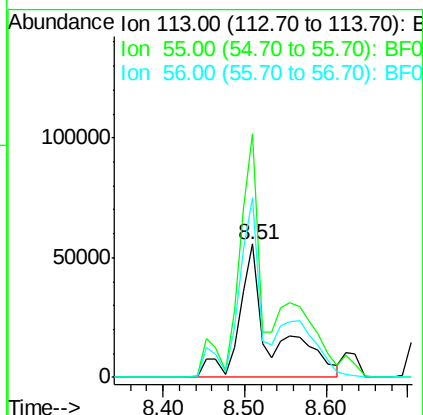
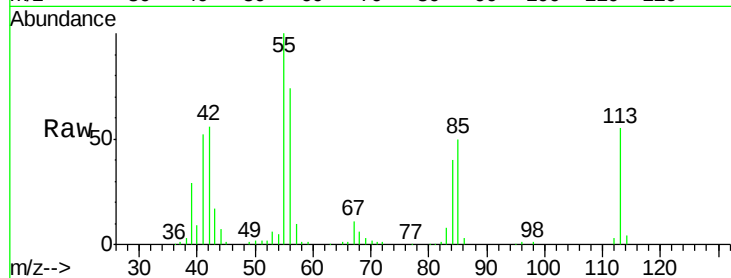




#35
 Caprolactam
 Concen: 62.56 ng/ml
 RT: 8.51 min Scan# 562
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

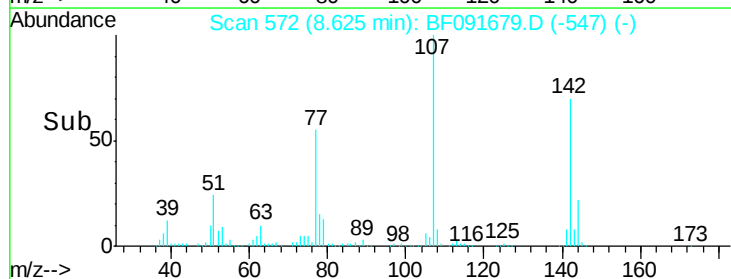
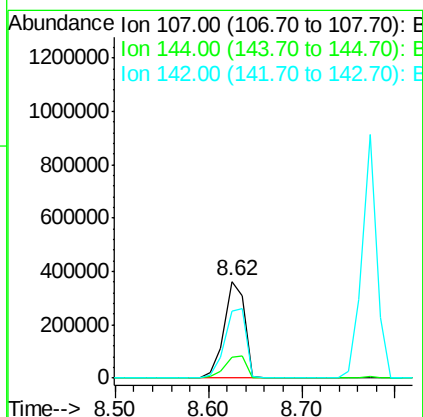
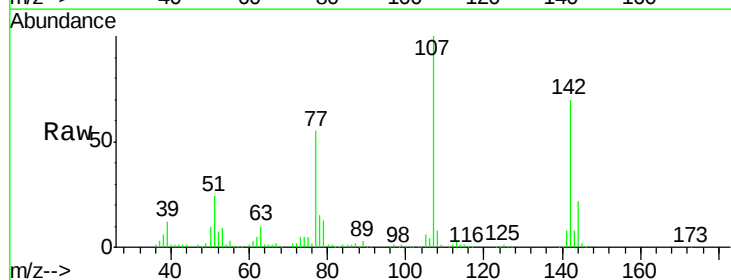
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

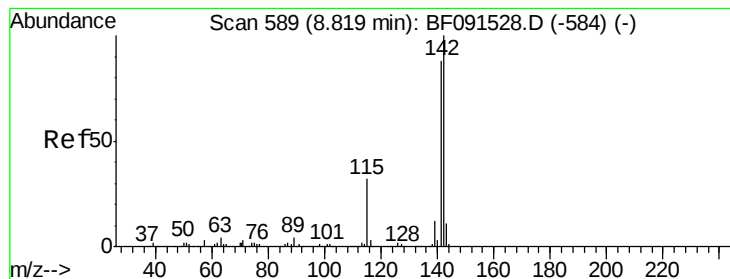
Tot Ion:113 Resp: 155808
 Ion Ratio Lower Upper
 113 100
 55 182.7 239.8 279.8#
 56 134.7 165.6 205.6#



#36
 4-Chloro-3-methylphenol
 Concen: 58.21 ng/ml
 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

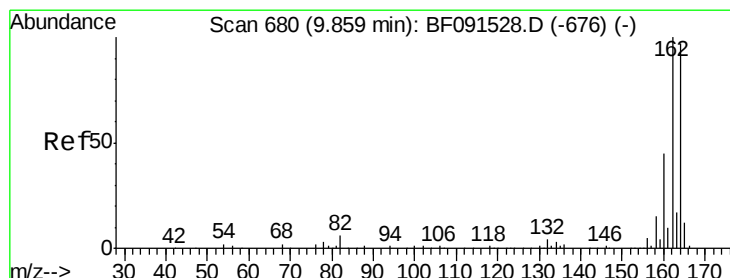
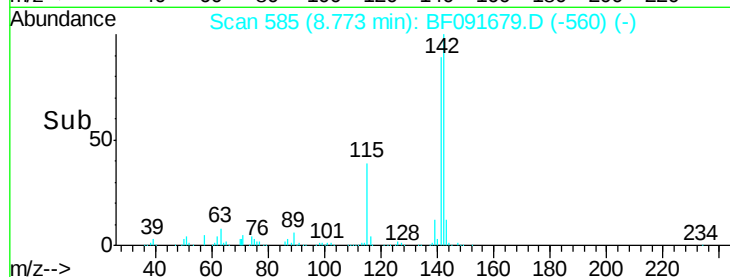
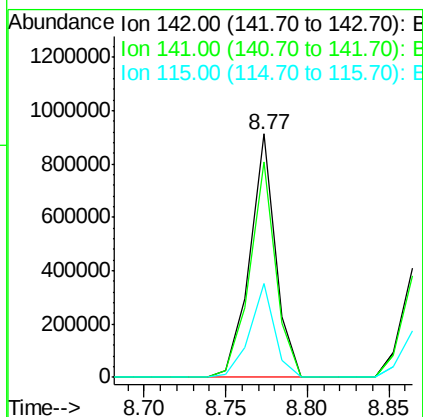
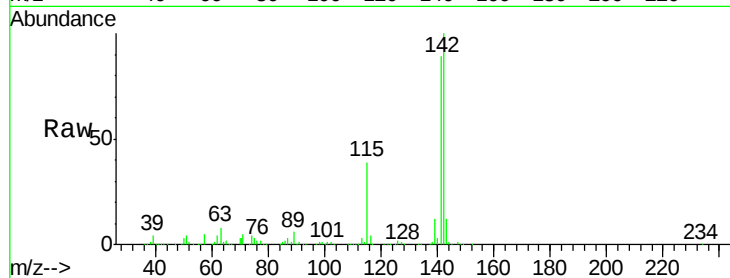




#37
2-Methylnaphthalene
Concen: 49.90 ng
RT: 8.77 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

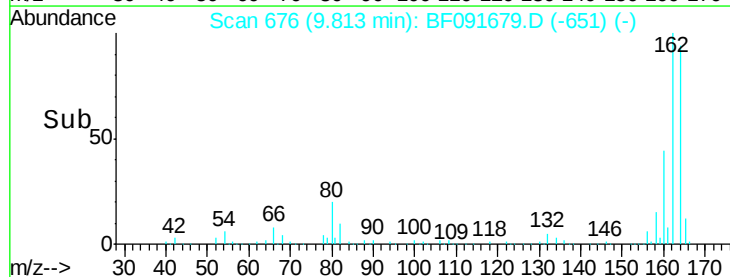
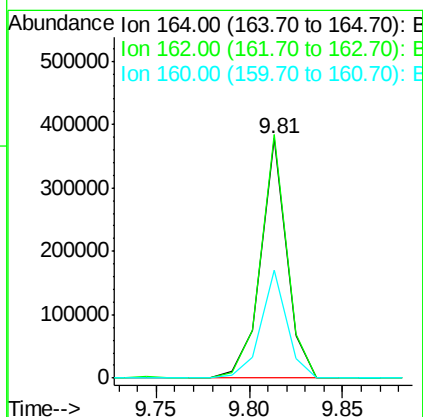
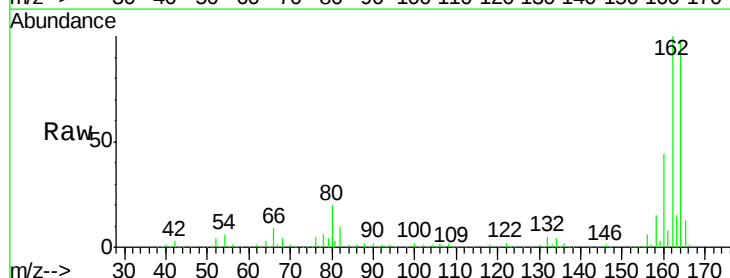
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

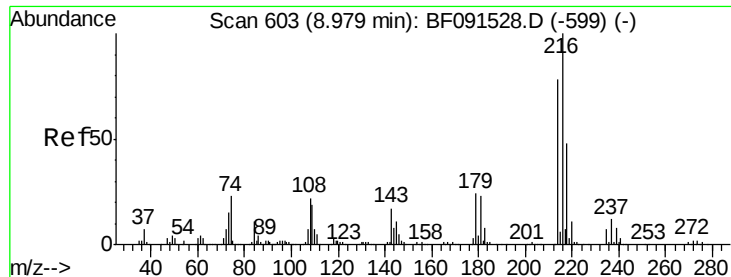
Tot Ion:142 Resp: 1003790
Ion Ratio Lower Upper
142 100
141 88.7 71.7 107.5
115 38.7 25.0 37.6#



#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

Tot Ion:216 Resp: 459907

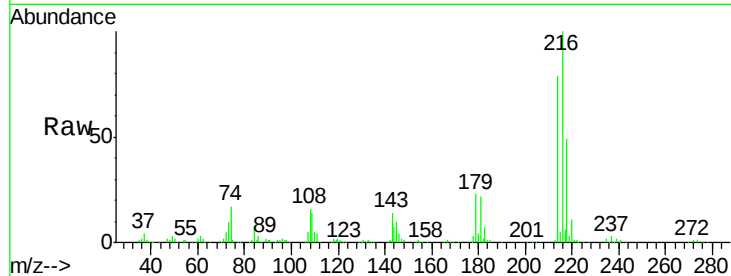
Ion Ratio Lower Upper

216 100

214 79.0 63.8 95.8

179 23.6 18.2 27.2

108 23.7 17.2 25.8

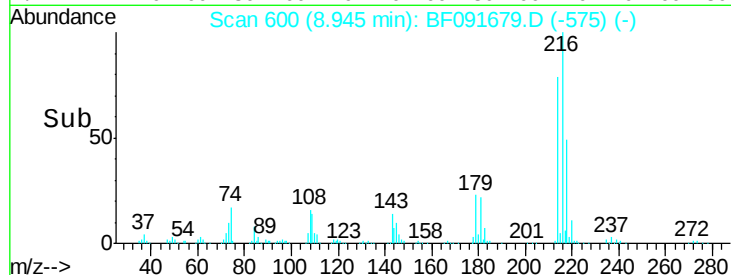


Abundance Ion 216.00 (215.70 to 216.70): E

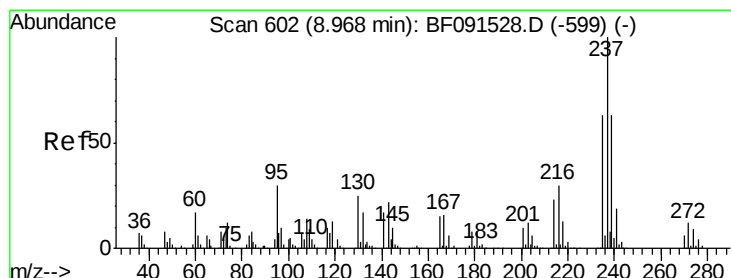
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->



#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

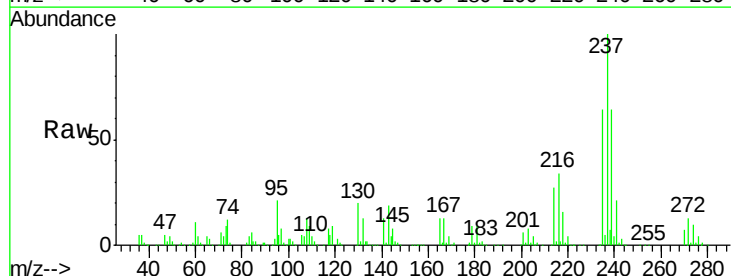
Tgt Ion:237 Resp: 484955

Ion Ratio Lower Upper

237 100

235 64.2 43.9 83.9

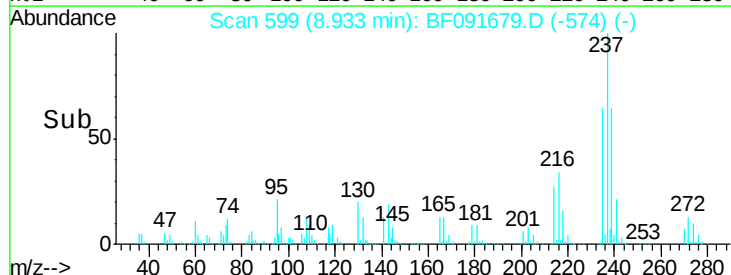
272 13.0 0.0 33.1



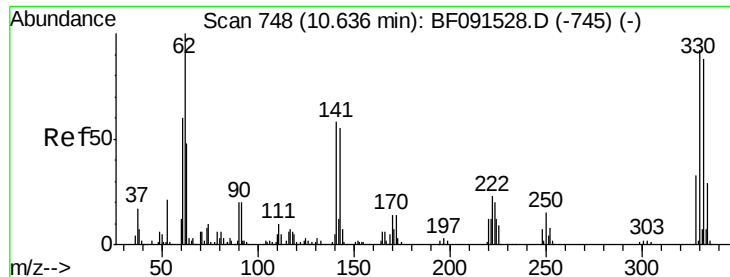
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



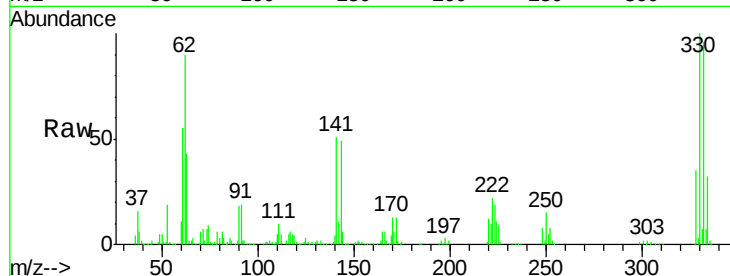
Time-->



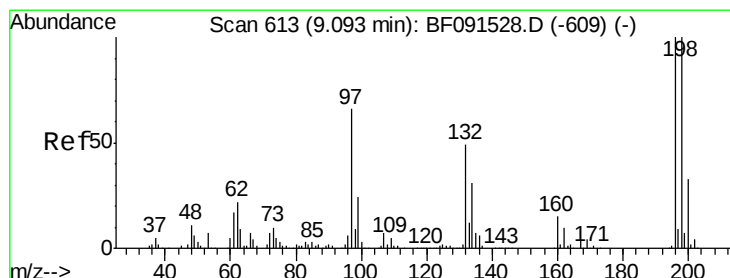
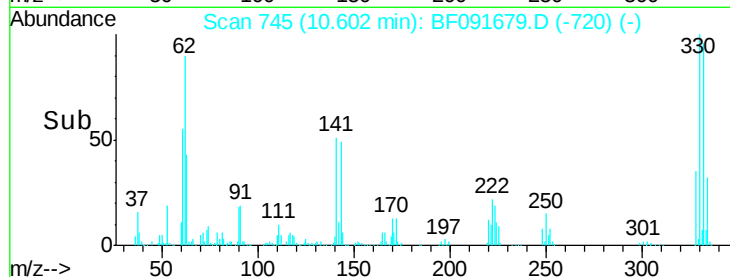
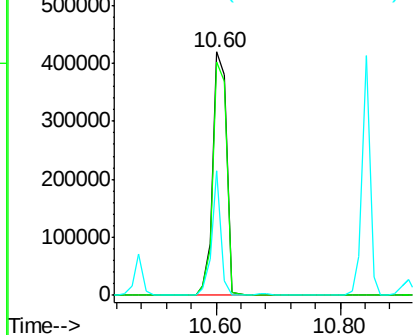
#41
 2,4,6-Tribromophenol
 Concen: 208.62 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

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

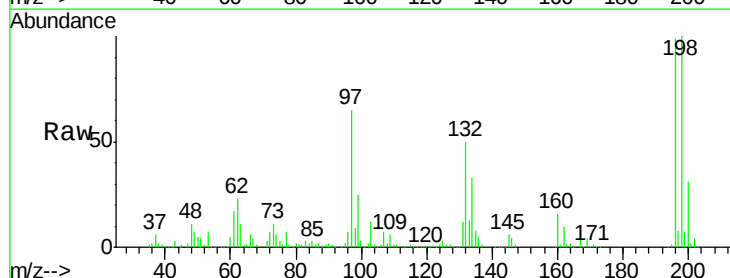


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

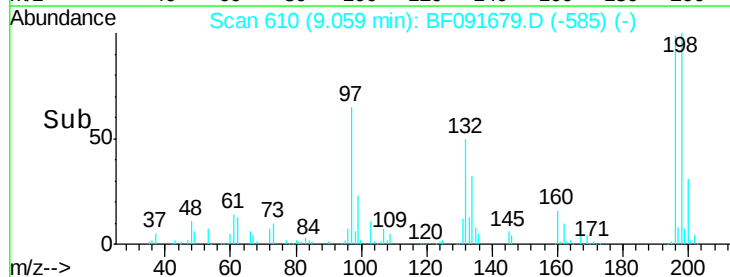
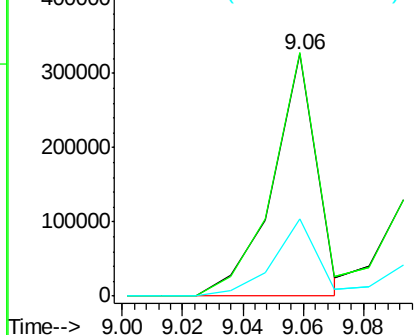


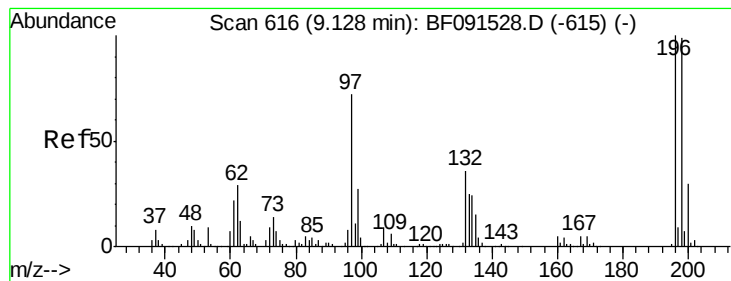
#42
 2,4,6-Trichlorophenol
 Concen: 51.44 ng m
 RT: 9.06 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

Tgt Ion:196 Resp: 330274
 Ion Ratio Lower Upper
 196 100
 198 100.6 77.4 116.0
 200 31.7 25.2 37.8



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





#43

2,4,5-Trichlorophenol

Concen: 54.21 ng/mL

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

Tot Ion:196 Resp: 357669

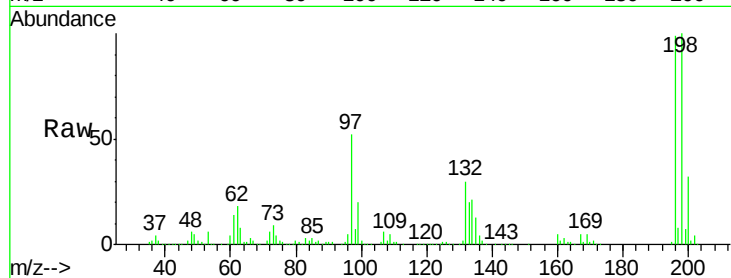
Ion Ratio Lower Upper

196 100

198 100.6 77.0 115.6

97 52.3 33.5 50.3#

132 30.2 20.5 30.7

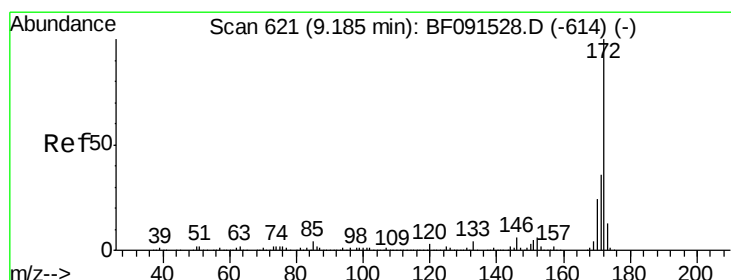
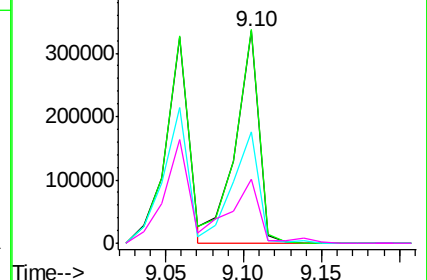
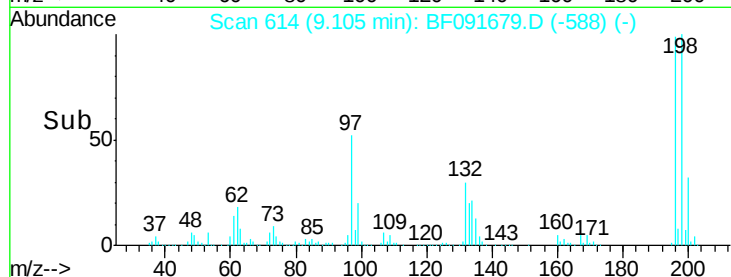


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44

2-Fluorobiphenyl

Concen: 86.53 ng/mL

RT: 9.14 min Scan# 617

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

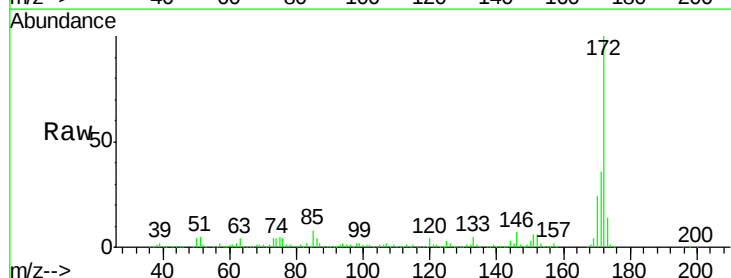
Tgt Ion:172 Resp: 1824501

Ion Ratio Lower Upper

172 100

171 36.3 29.4 44.0

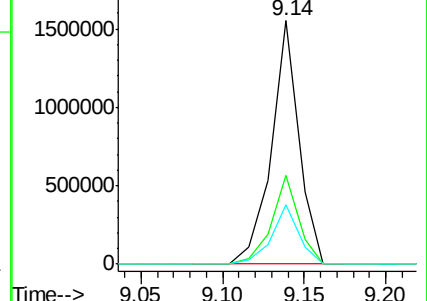
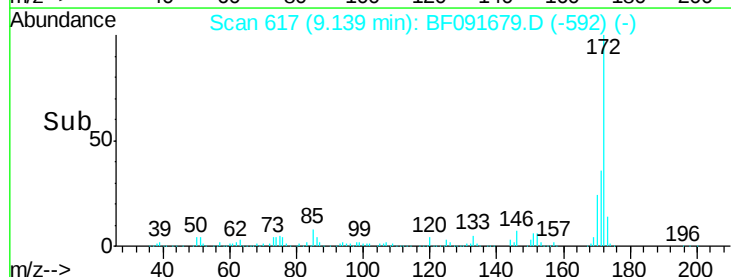
170 24.3 19.7 29.5

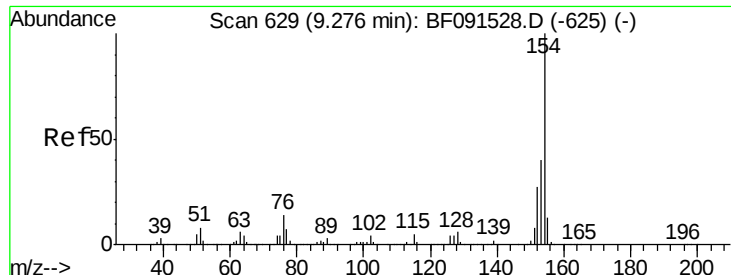


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

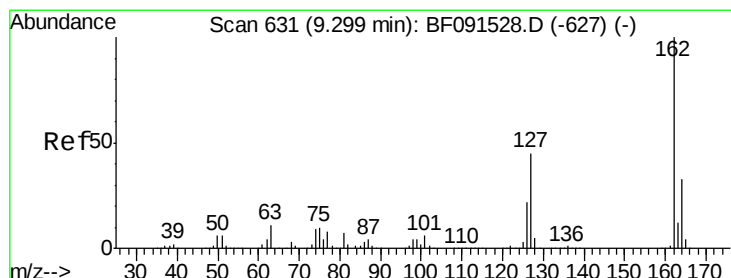
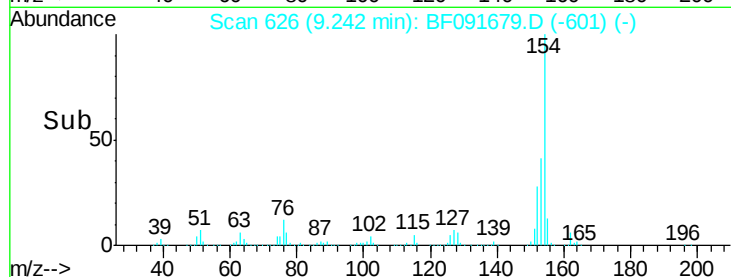
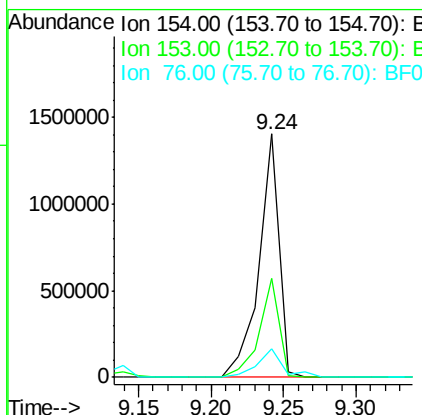
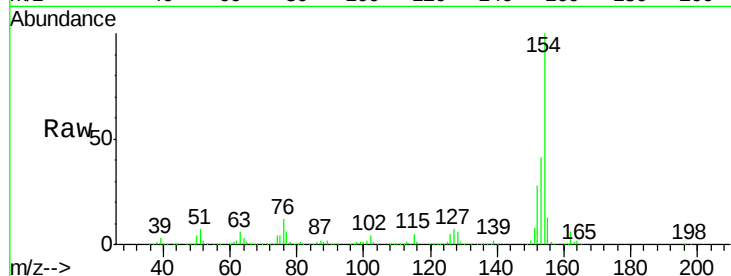




#45
 1,1'-Biphenyl
 Concen: 50.98 ng
 RT: 9.24 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

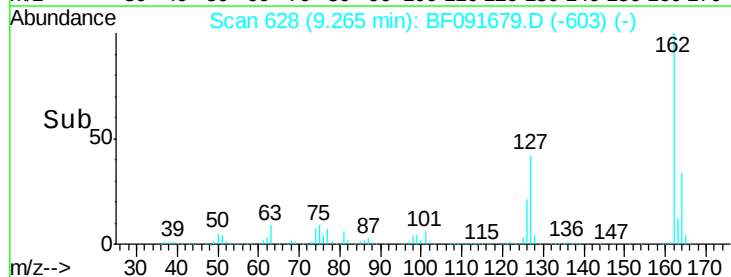
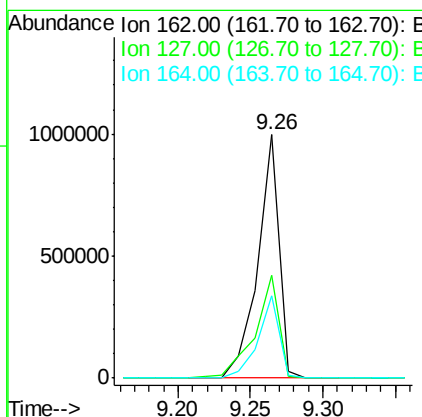
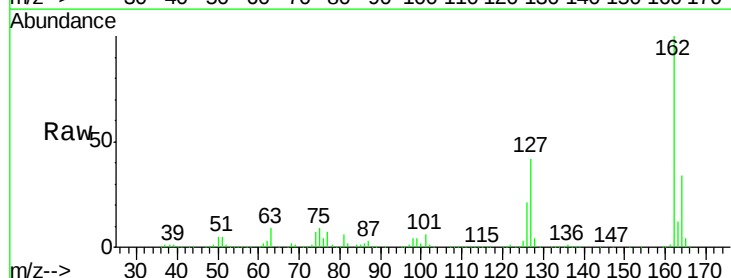
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

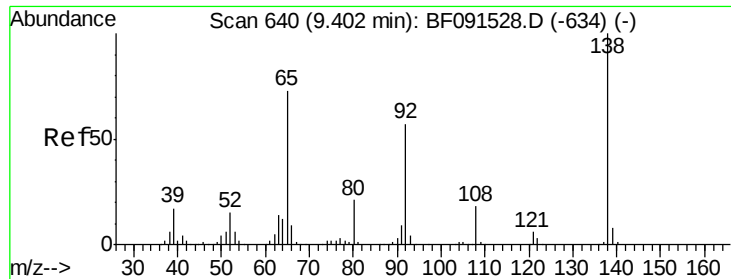
Tot Ion:154 Resp: 1345449
 Ion Ratio Lower Upper
 154 100
 153 40.6 20.6 60.6
 76 12.0 0.0 36.6



#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

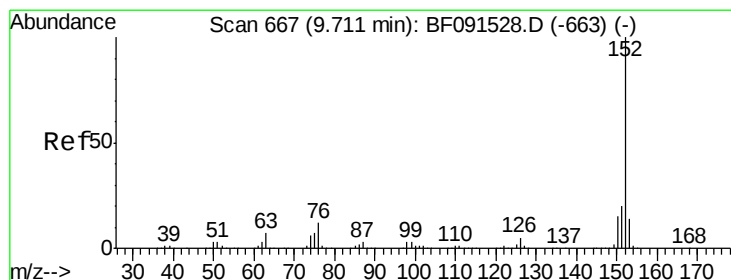
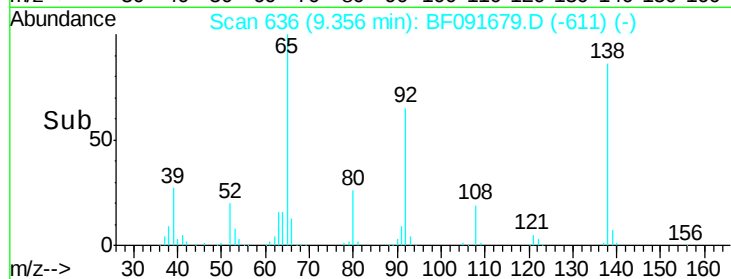
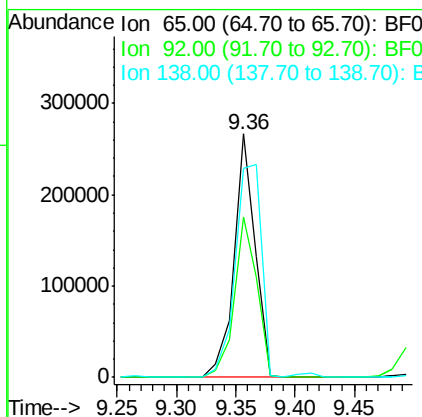
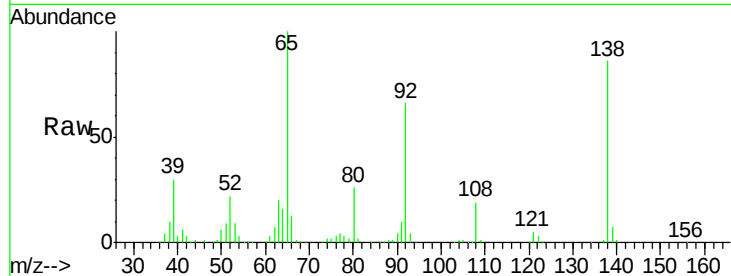




#47
2-Nitroaniline
Concen: 47.81 ng
RT: 9.36 min Scan# 636
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

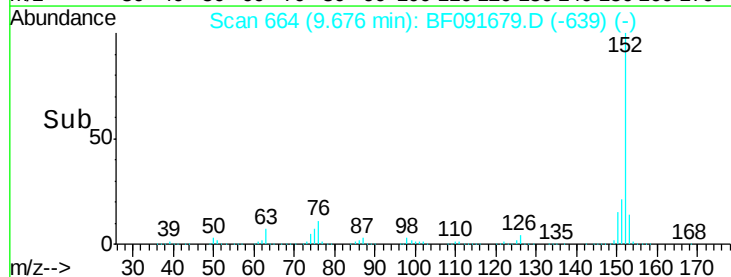
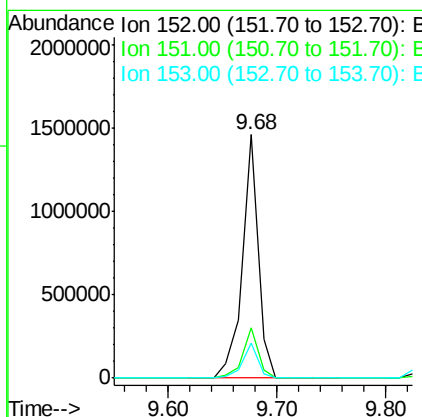
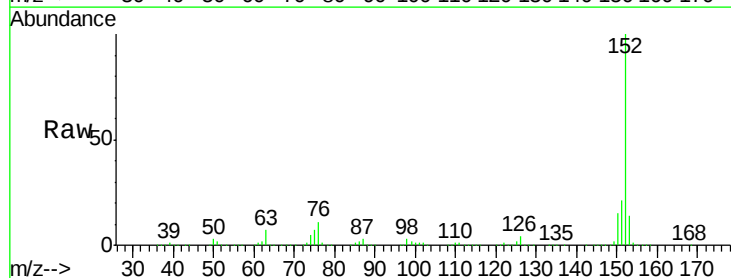
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

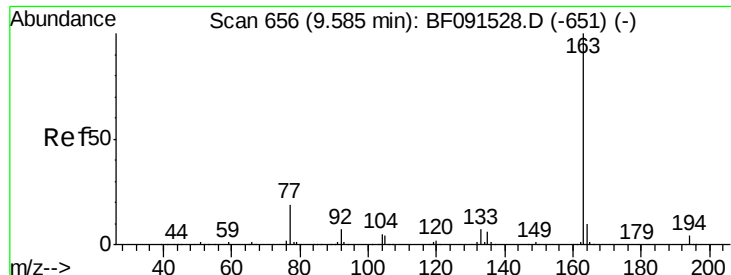
Tot Ion: 65 Resp: 328576
Ion Ratio Lower Upper
65 100
92 65.6 53.6 80.4
138 85.8 91.0 136.6#



#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

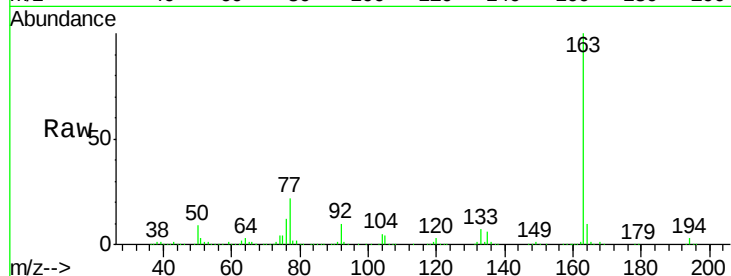




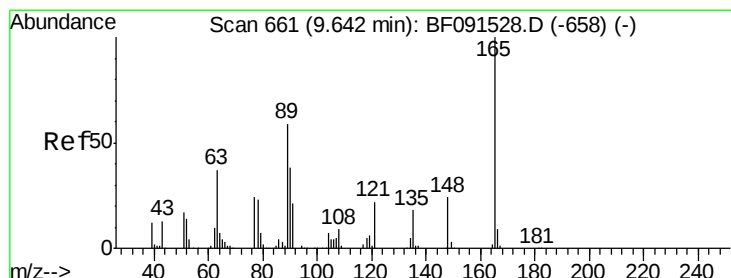
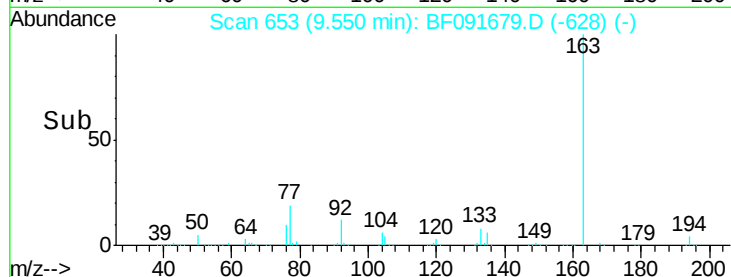
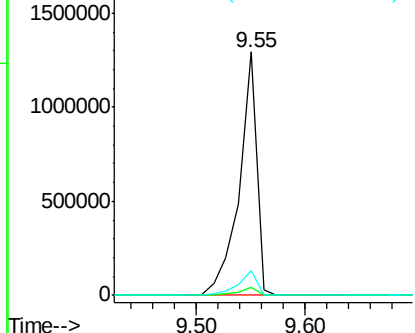
#49
Dimethylphthalate
Concen: 61.72 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

Tot Ion:163 Resp: 1424010
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.4
164 10.2 7.8 11.8

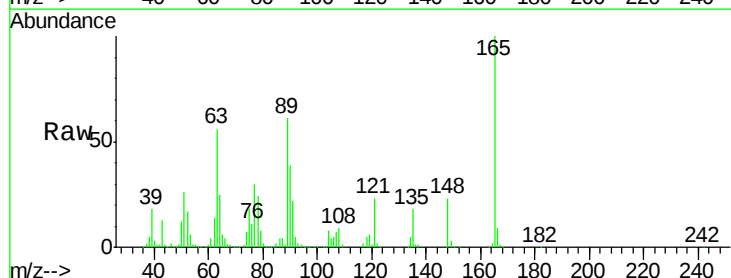


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

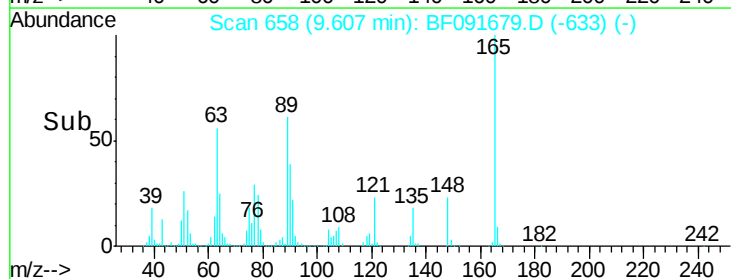
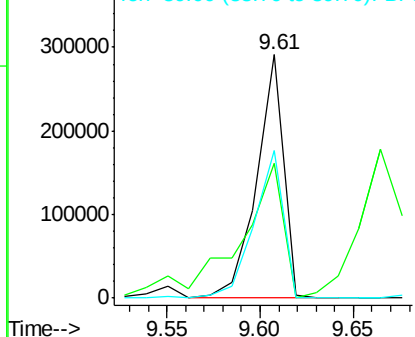


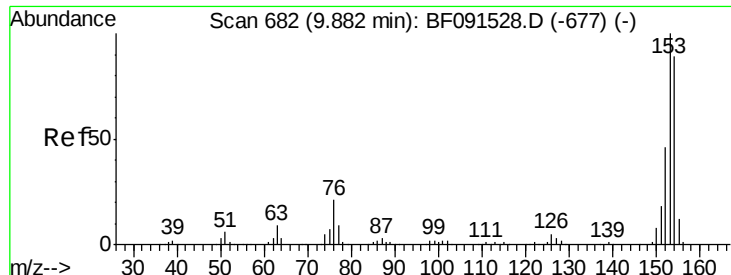
#50
2,6-Dinitrotoluene
Concen: 57.29 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

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

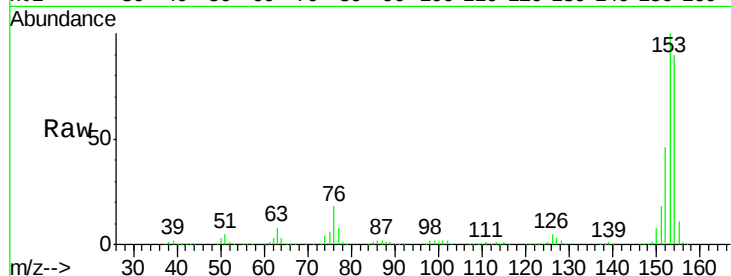
Tot Ion:154 Resp: 1126254

Ion Ratio Lower Upper

154 100

153 111.2 91.0 136.6

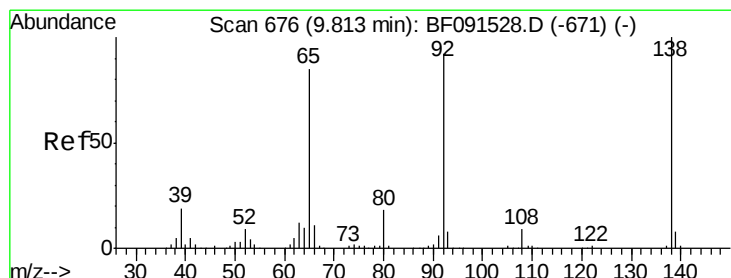
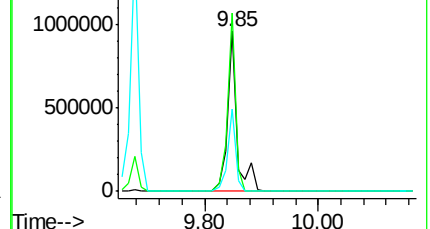
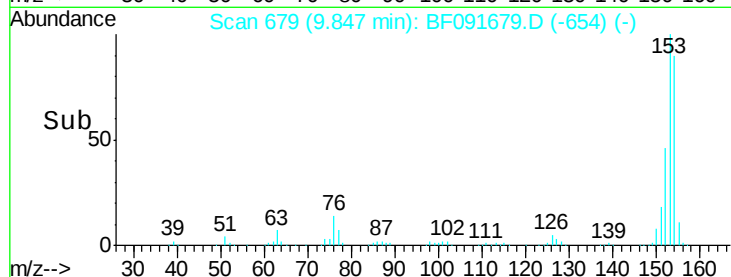
152 51.6 44.2 66.2



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

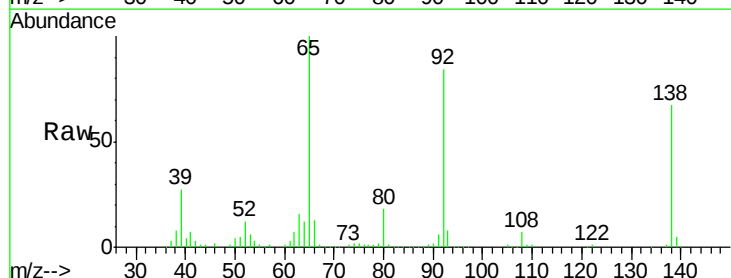
Tgt Ion:138 Resp: 133223

Ion Ratio Lower Upper

138 100

108 10.8 8.1 12.1

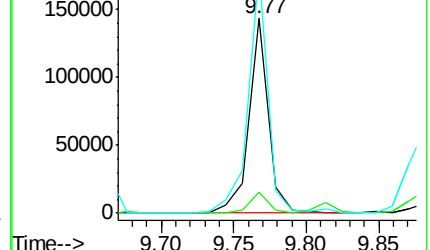
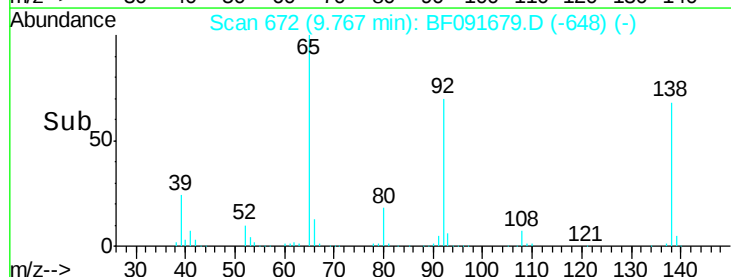
92 125.2 92.5 138.7

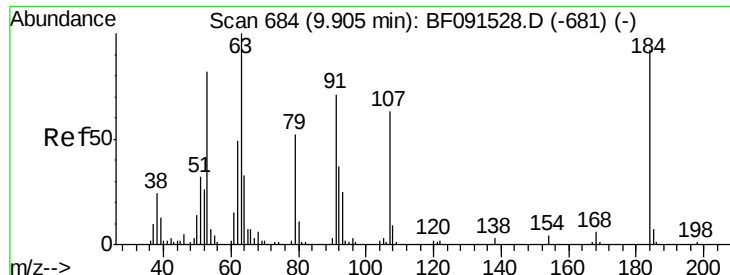


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

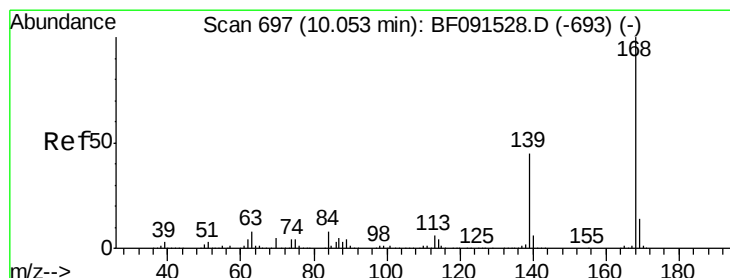
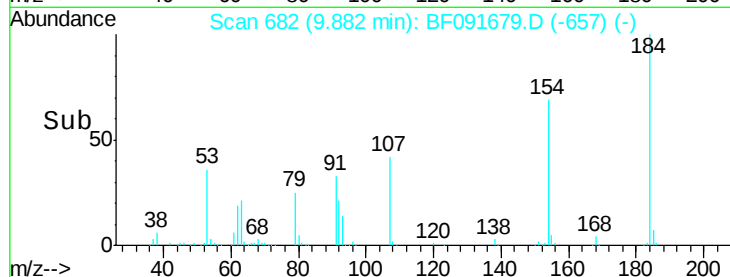
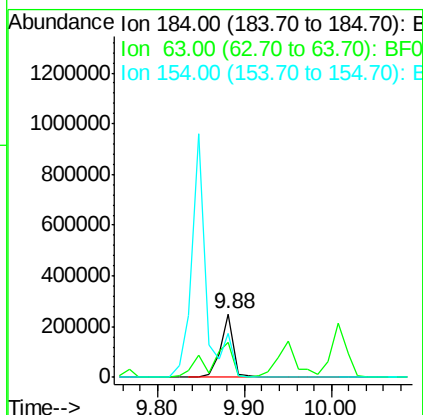
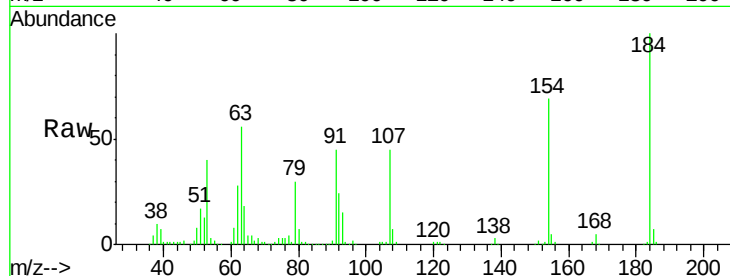




#53
2,4-Dinitrophenol
Concen: 85.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

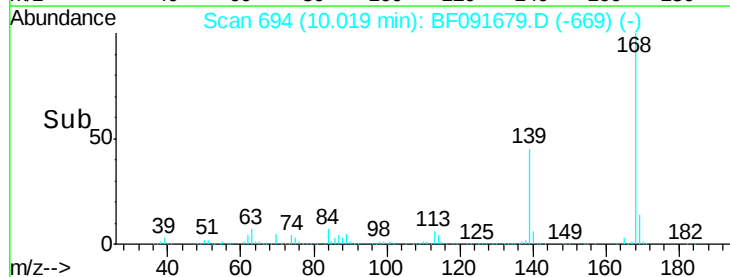
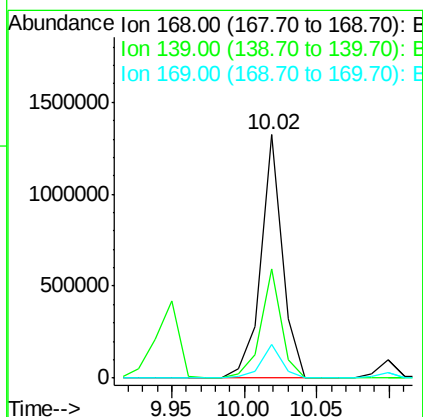
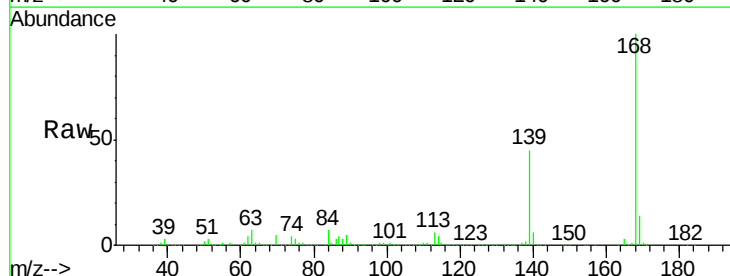
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

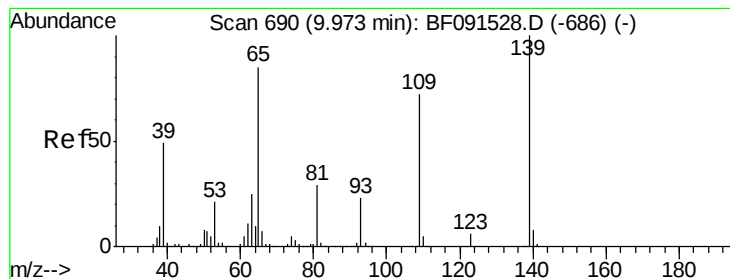
Tot Ion:184 Resp: 260682
Ion Ratio Lower Upper
184 100
63 55.6 58.3 87.5#
154 68.7 48.6 73.0



#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

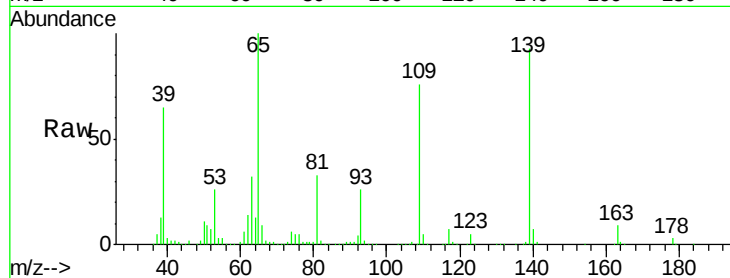
Tot Ion:139 Resp: 484920

Ion Ratio Lower Upper

139 100

109 82.4 54.9 94.9

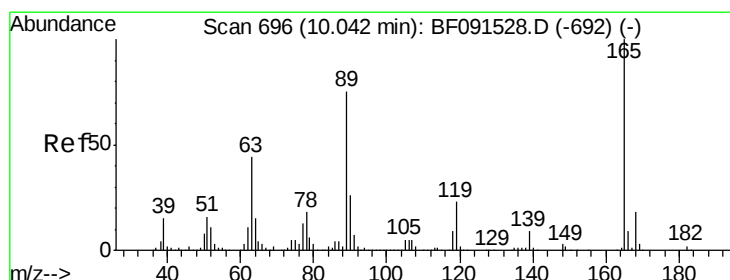
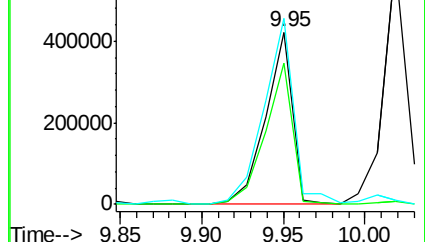
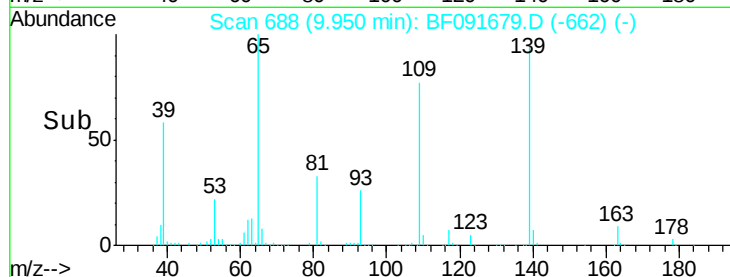
65 107.8 102.2 142.2



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

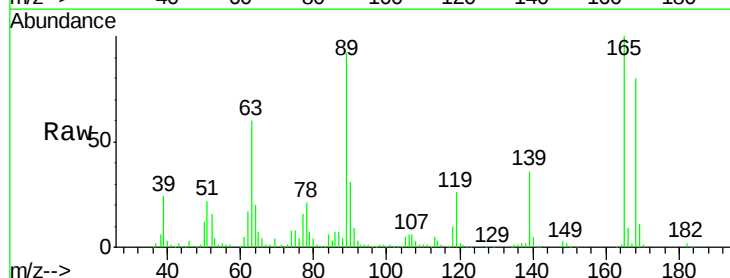
Ion Ratio Lower Upper

165 100

63 60.3 29.0 43.4#

89 92.3 43.1 64.7#

182 2.3 1.9 2.9

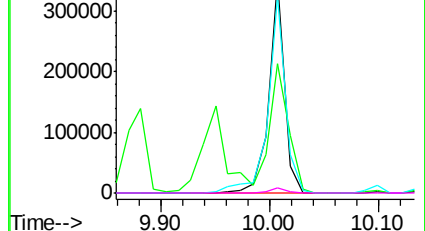
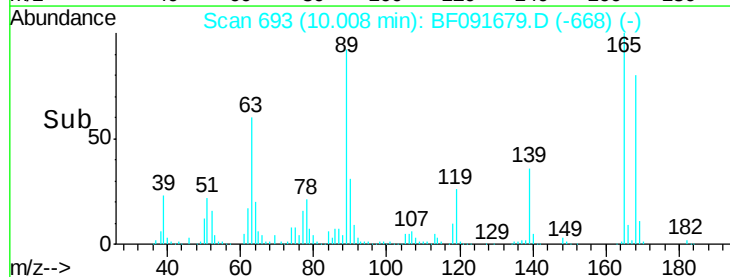


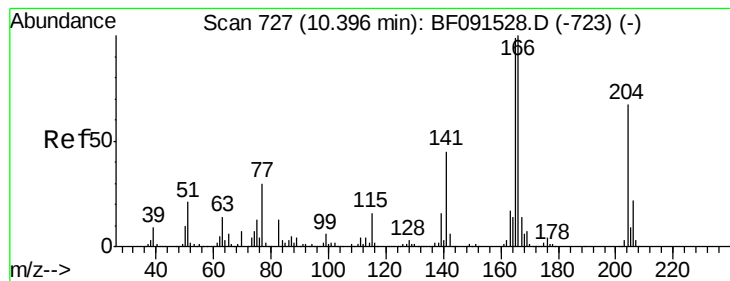
Abundance Ion 165.00 (164.70 to 165.70): E

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

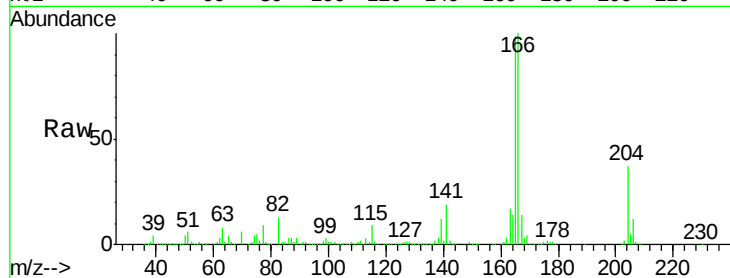
Tot Ion:166 Resp: 1242422

Ion Ratio Lower Upper

166 100

165 99.0 80.0 120.0

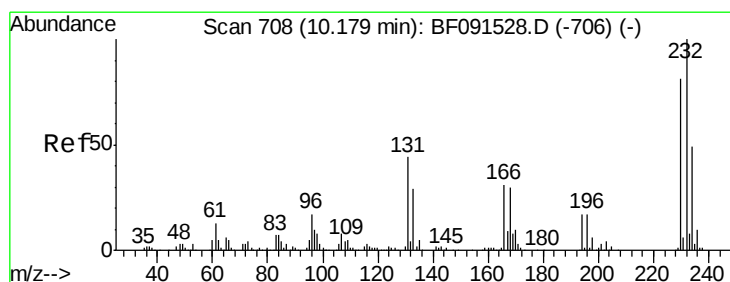
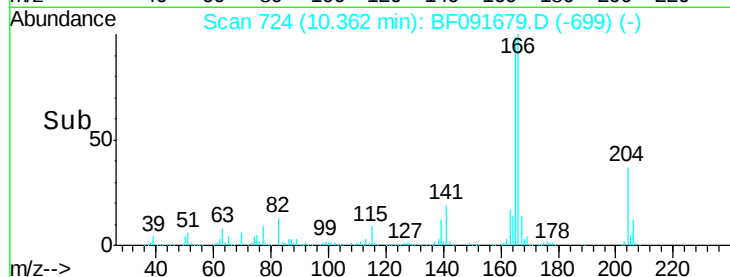
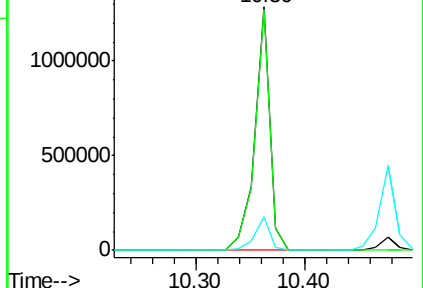
167 13.8 10.8 16.2



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

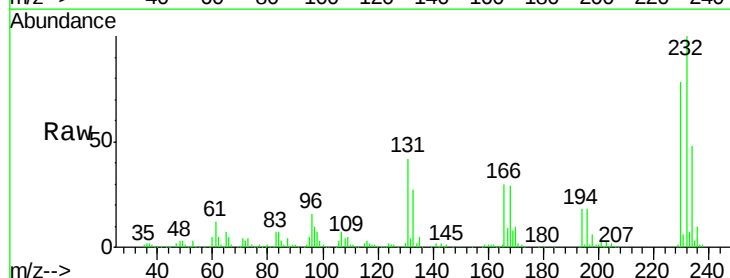
Ion Ratio Lower Upper

232 100

131 51.8 38.4 57.6

130 2.4 1.8 2.8

166 33.9 23.9 35.9

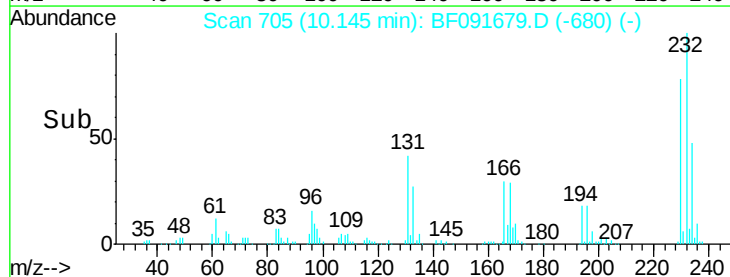
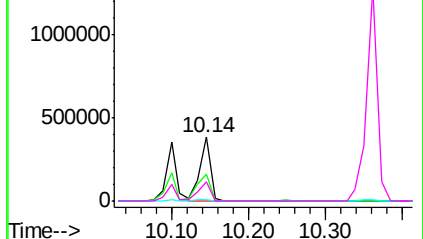


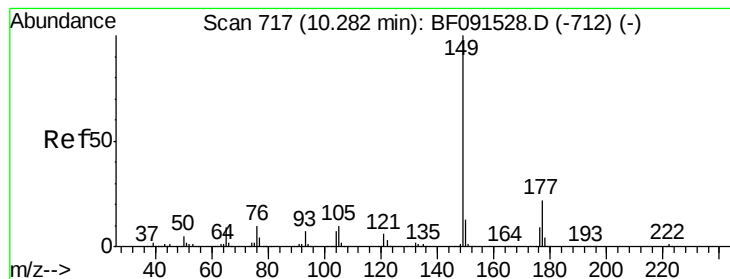
Abundance Ion 232.00 (231.70 to 232.70): E

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

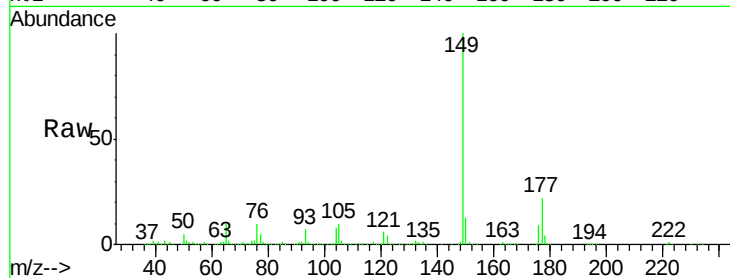
Tot Ion:149 Resp: 1517981

Ion Ratio Lower Upper

149 100

177 22.2 15.7 23.5

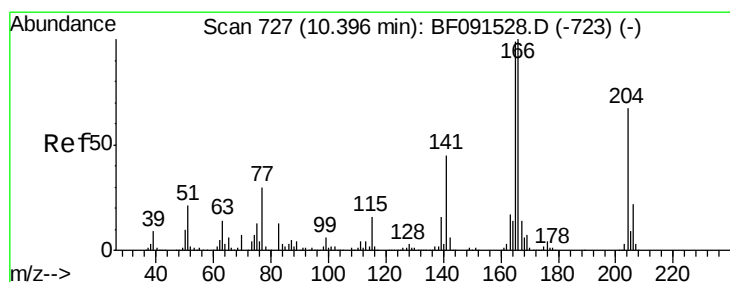
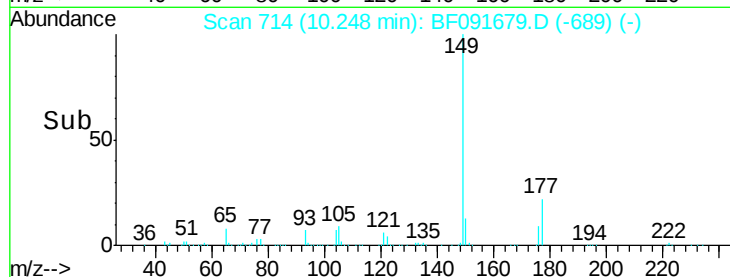
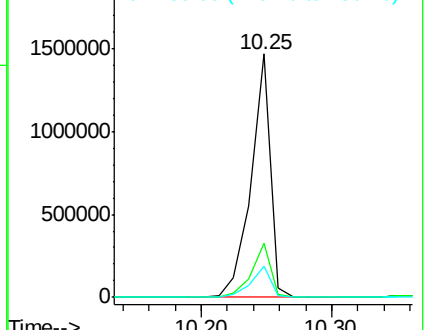
150 12.9 10.2 15.2



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

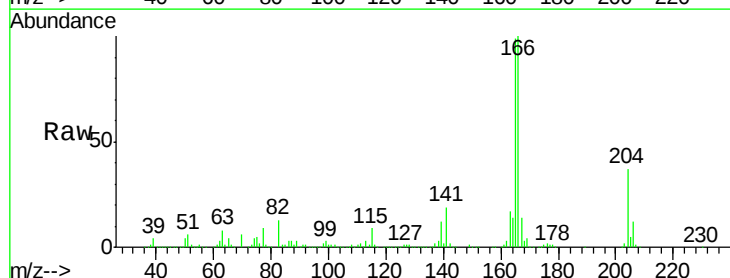
Tgt Ion:204 Resp: 599745

Ion Ratio Lower Upper

204 100

206 33.3 26.1 39.1

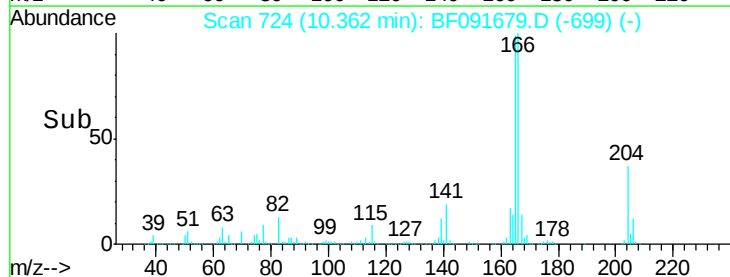
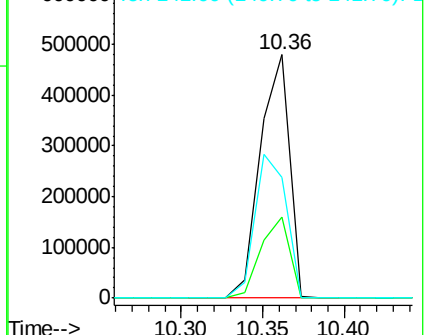
141 49.8 40.6 61.0

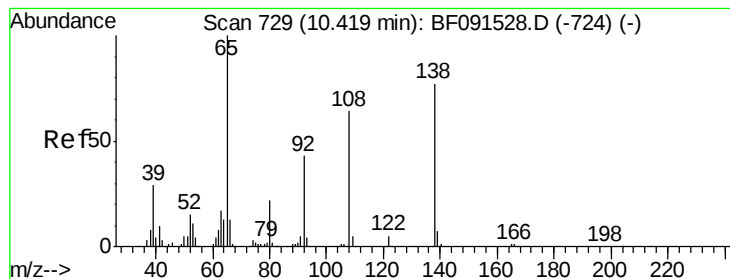


Abundance Ion 204.00 (203.70 to 204.70): E

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

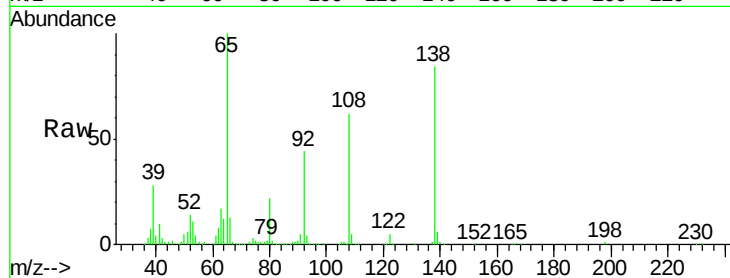
Tot Ion:138 Resp: 335840

Ion Ratio Lower Upper

138 100

92 52.8 26.9 66.9

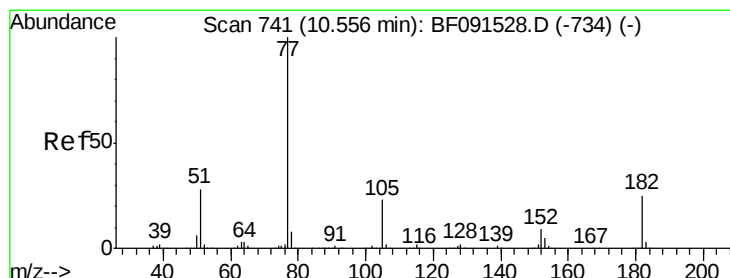
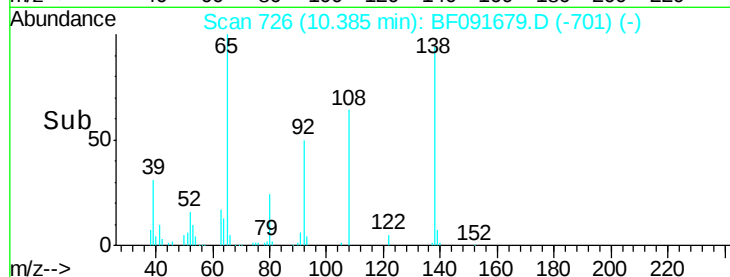
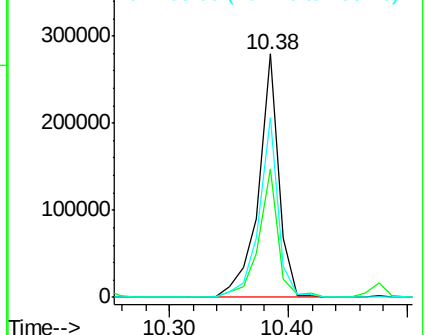
108 73.9 49.1 89.1



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

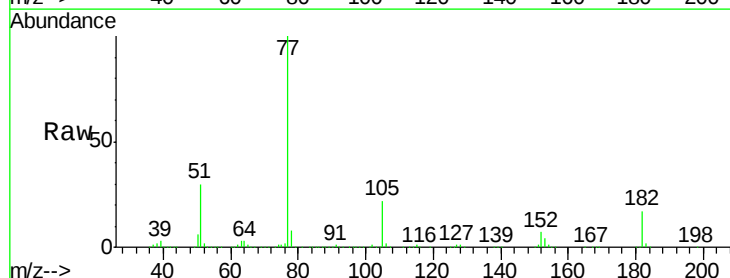
Ion Ratio Lower Upper

77 100

182 17.3 12.5 52.5

105 21.7 3.7 43.7

51 30.2 11.9 51.9

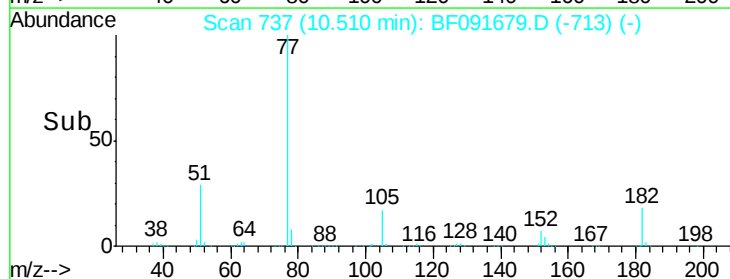
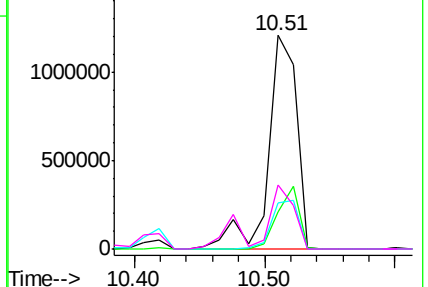


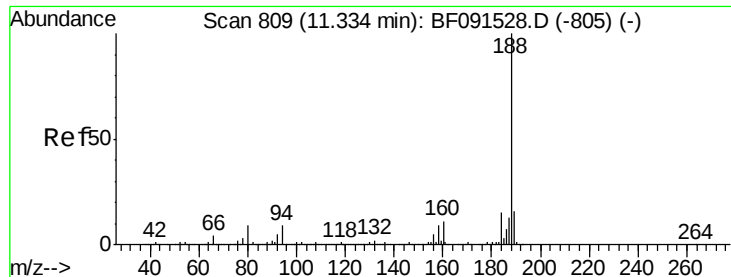
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

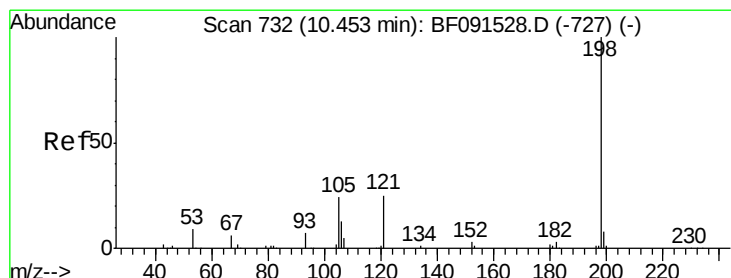
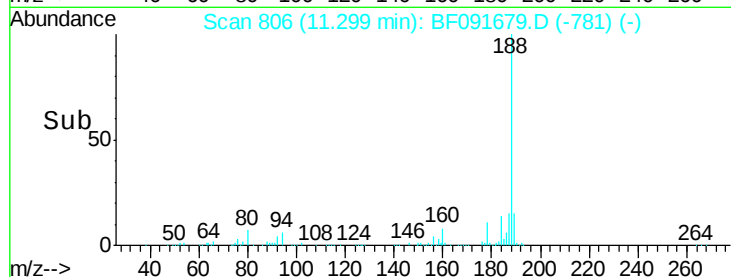
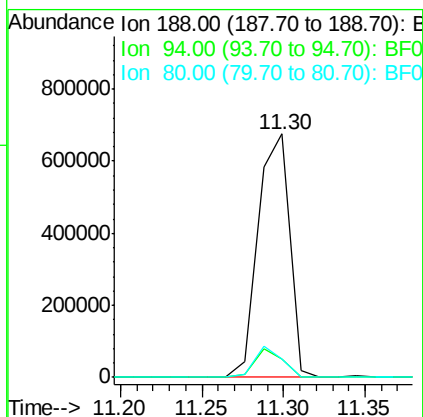
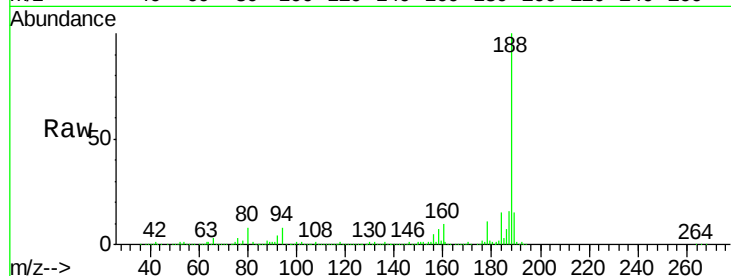




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

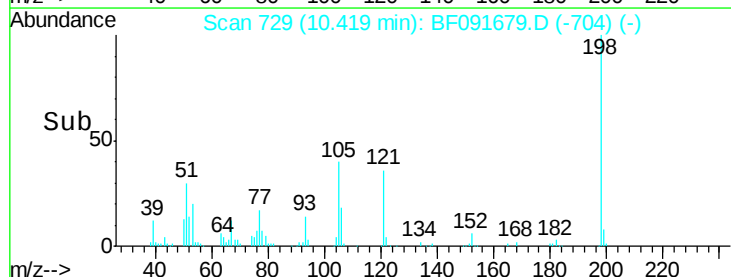
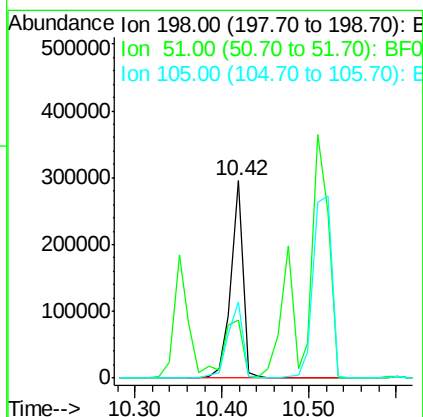
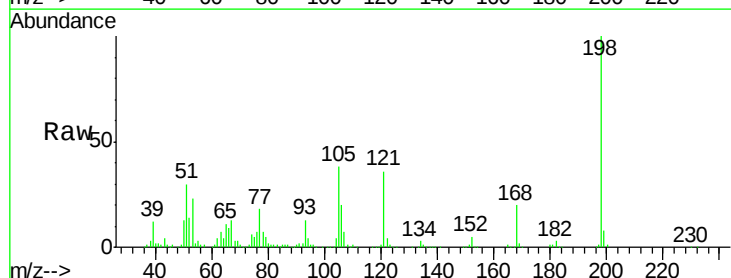
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

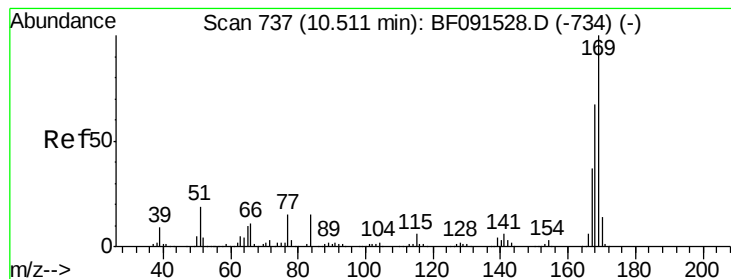
Tot Ion:188 Resp: 909050
Ion Ratio Lower Upper
188 100
94 7.7 9.2 13.8#
80 7.7 10.5 15.7#



#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#

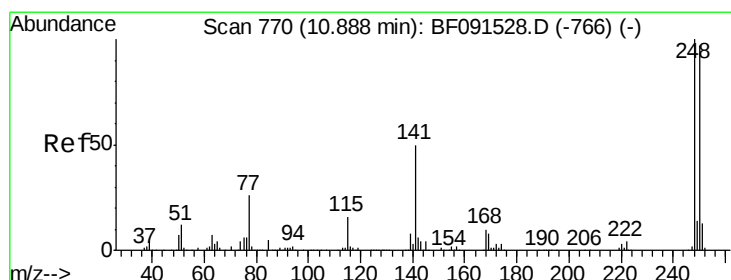
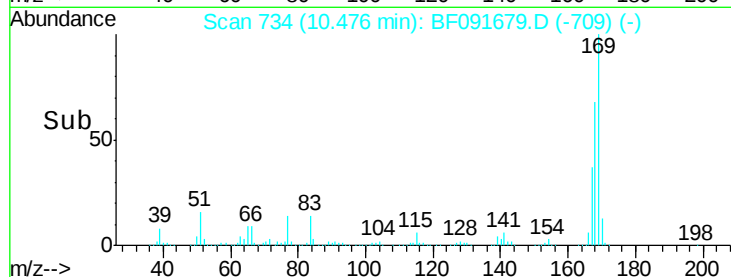
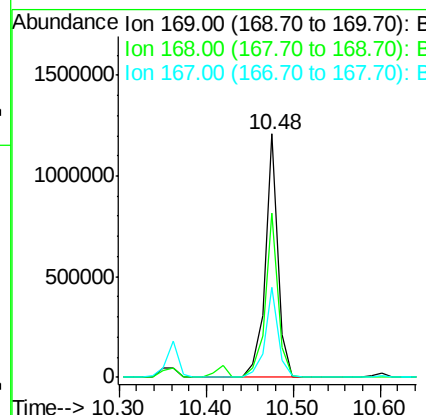
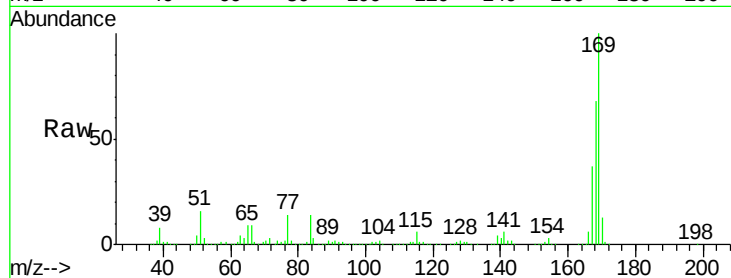




#65
 n-Nitrosodiphenylamine
 Concen: 45.91 ng
 RT: 10.48 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

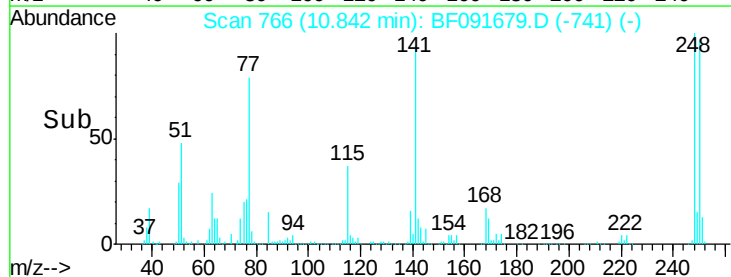
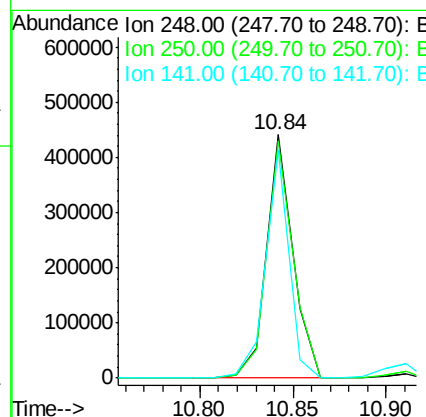
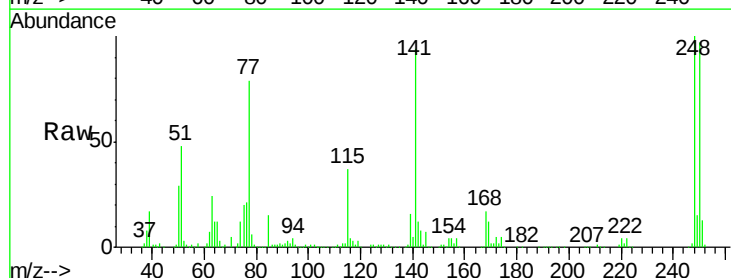
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

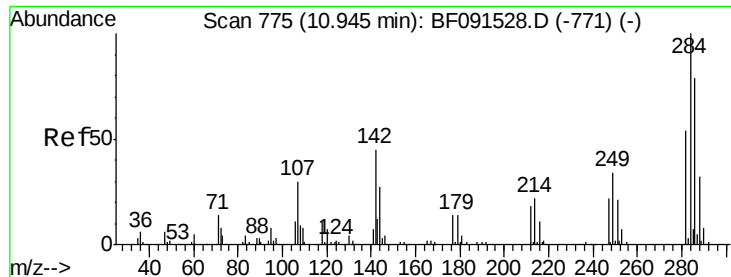
Tot Ion:169 Resp: 1244338
 Ion Ratio Lower Upper
 169 100
 168 67.7 53.8 80.8
 167 37.2 29.8 44.8



#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





#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

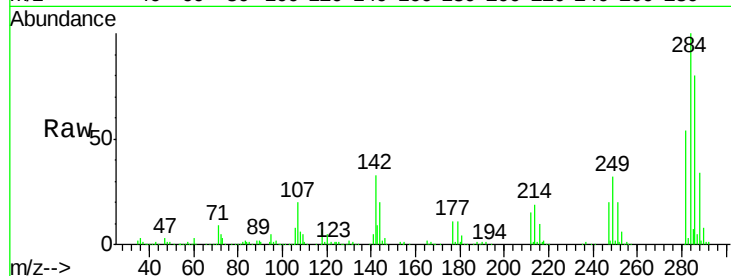
Tot Ion:284 Resp: 476694

Ion Ratio Lower Upper

284 100

142 32.8 17.9 26.9#

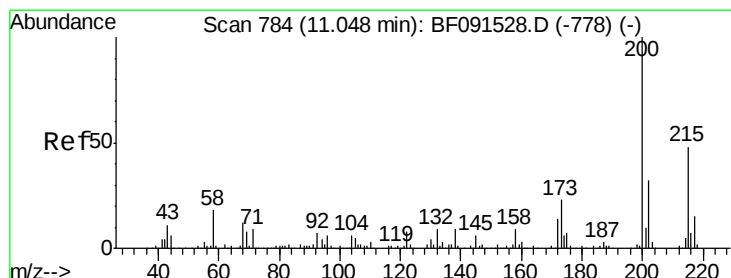
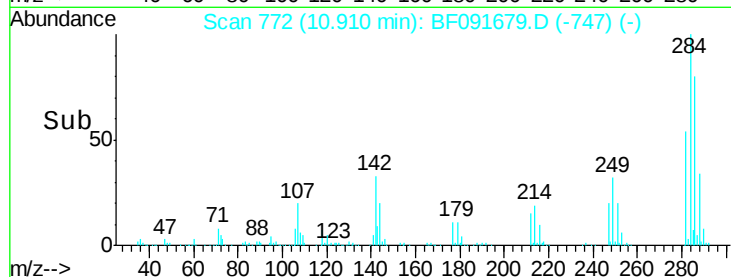
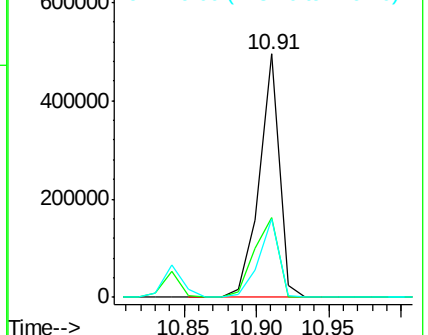
249 32.3 23.6 35.4



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 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

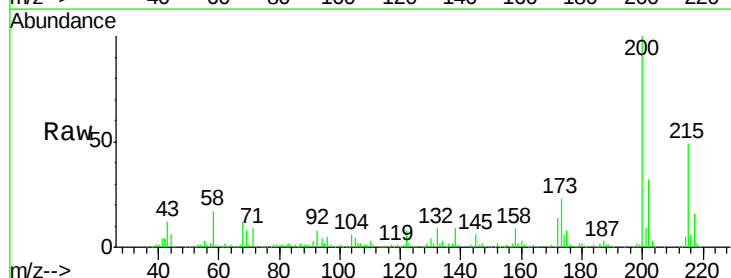
Tgt Ion:200 Resp: 476156

Ion Ratio Lower Upper

200 100

173 23.3 7.8 47.8

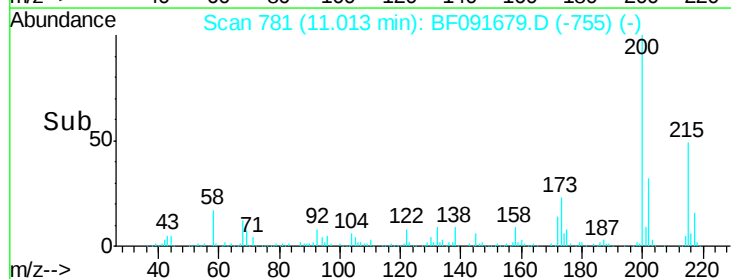
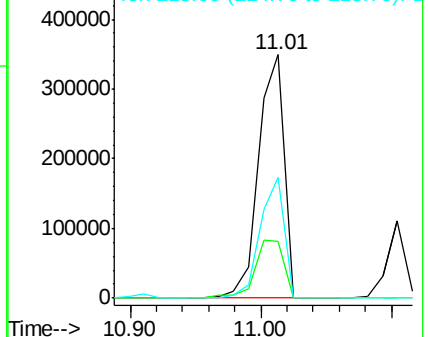
215 49.4 24.3 64.3

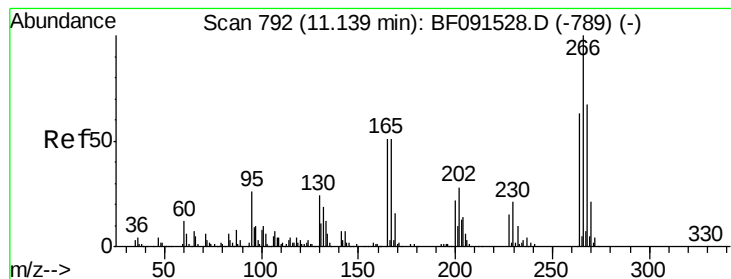


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 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

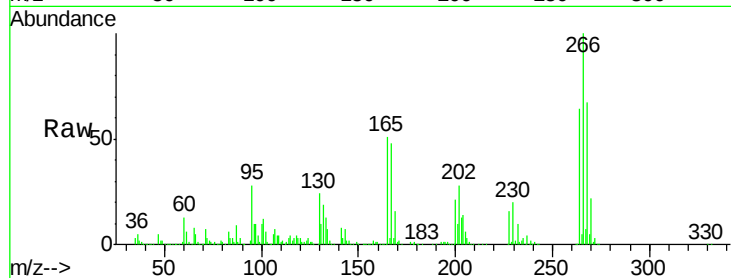
Tot Ion:266 Resp: 518856

Ion Ratio Lower Upper

266 100

268 67.0 50.3 75.5

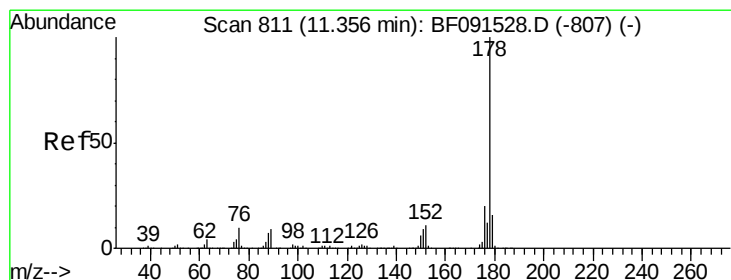
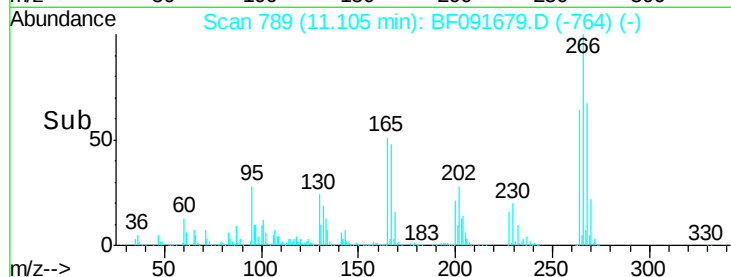
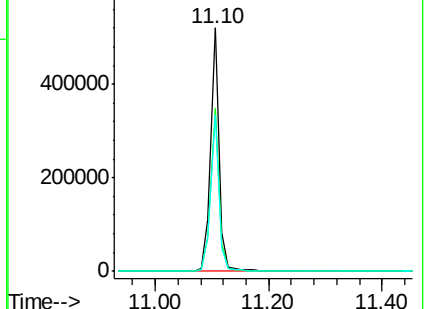
264 64.4 48.2 72.2



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

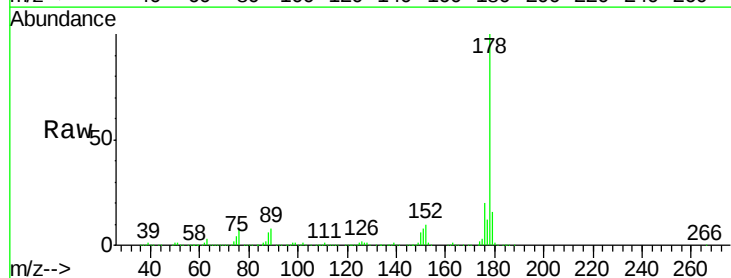
Tgt Ion:178 Resp: 2332577

Ion Ratio Lower Upper

178 100

176 20.5 15.9 23.9

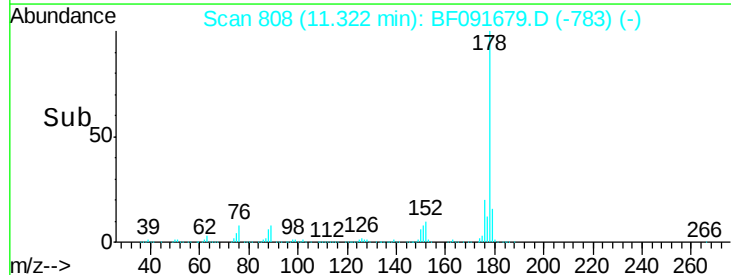
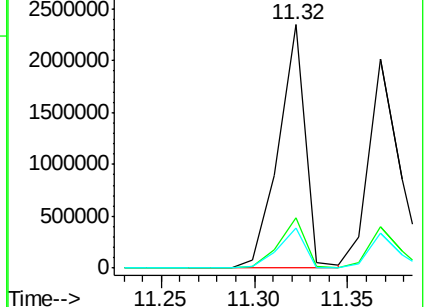
179 16.3 12.6 18.8

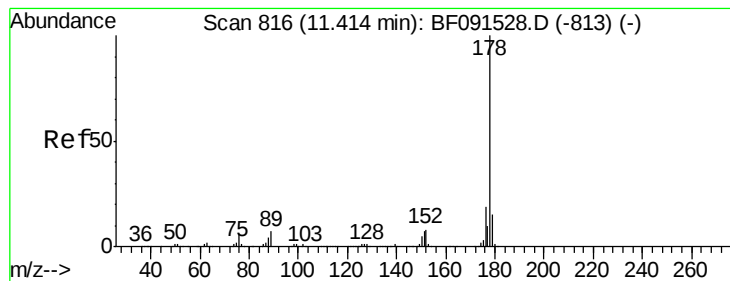


Abundance Ion 178.00 (177.70 to 178.70): E

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

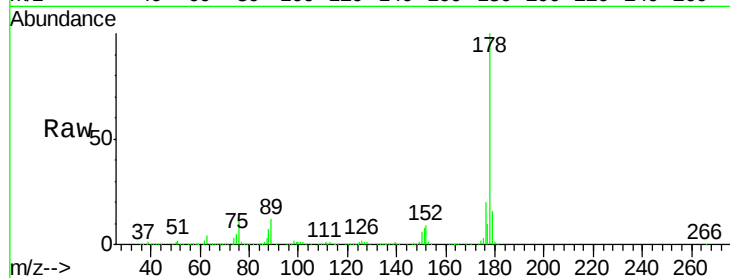
Tot Ion:178 Resp: 2187218

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.6

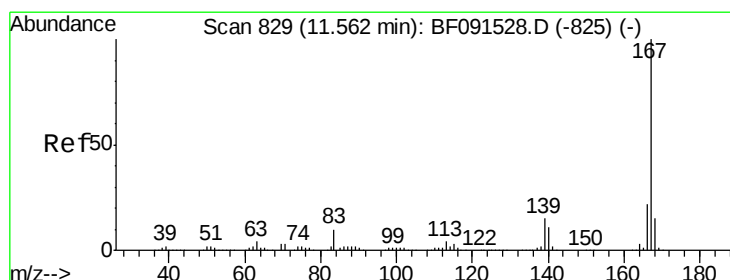
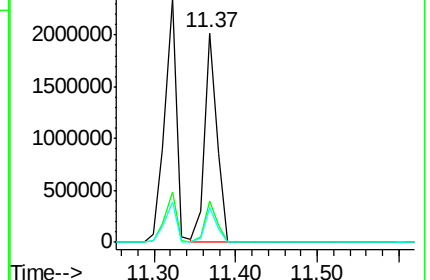
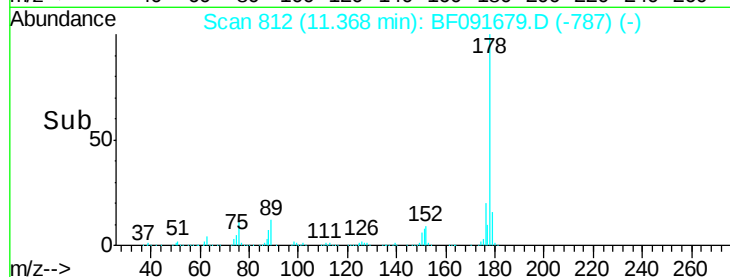
179 16.4 12.7 19.1



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

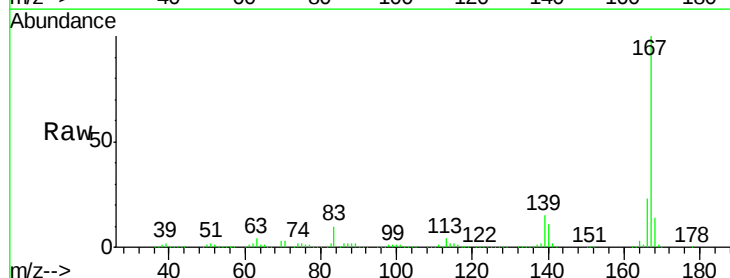
Tgt Ion:167 Resp: 2073605

Ion Ratio Lower Upper

167 100

166 22.6 18.1 27.1

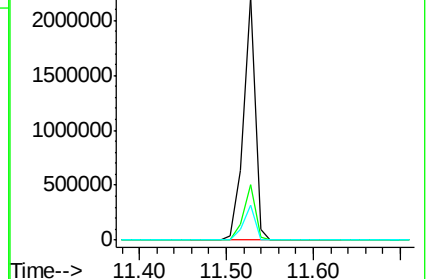
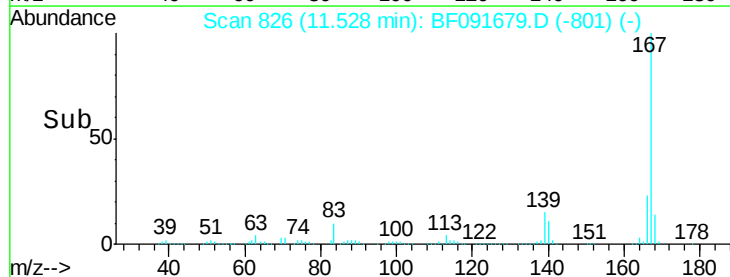
139 14.5 11.5 17.3

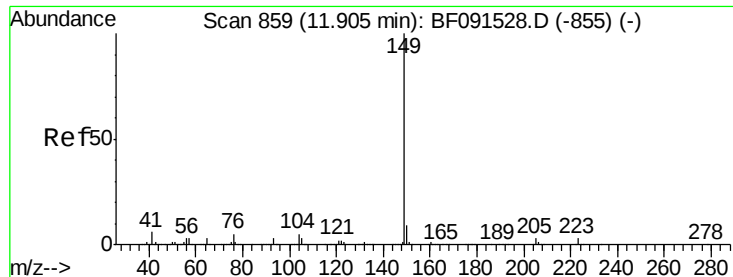


Abundance Ion 167.00 (166.70 to 167.70): E

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

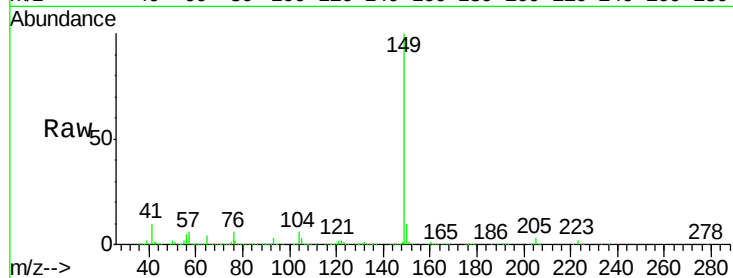
Tot Ion:149 Resp: 2462238

Ion Ratio Lower Upper

149 100

150 10.0 7.5 11.3

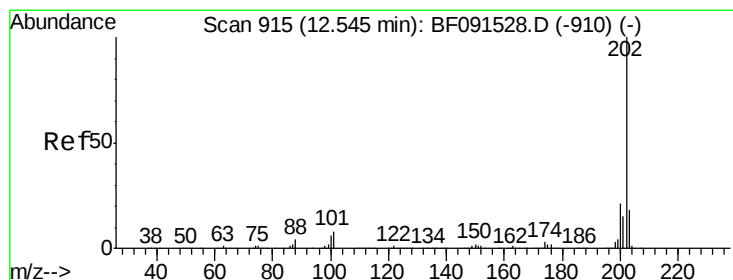
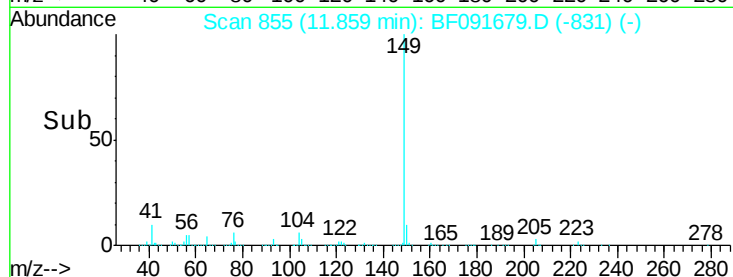
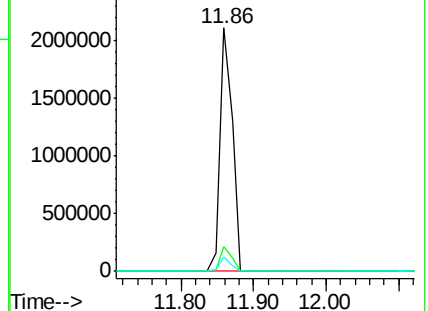
104 5.8 4.0 6.0



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

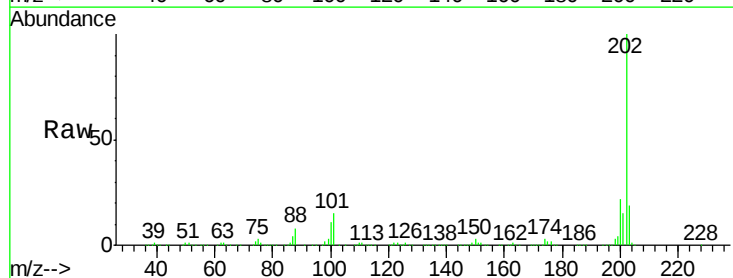
Tgt Ion:202 Resp: 2182094

Ion Ratio Lower Upper

202 100

101 14.9 0.0 29.5

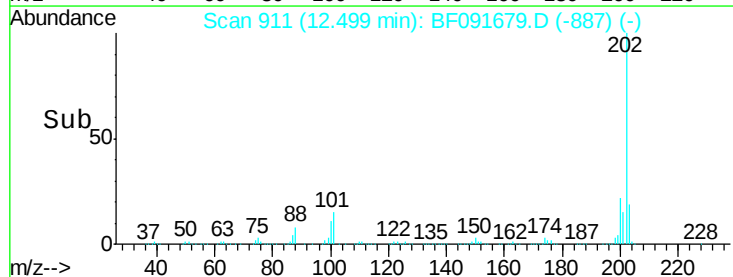
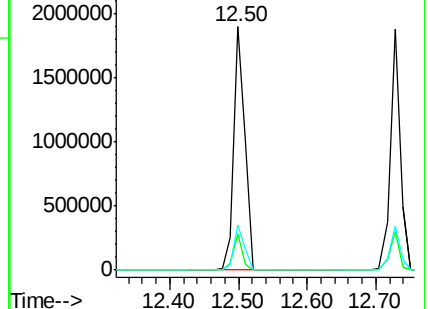
203 18.6 0.0 37.8

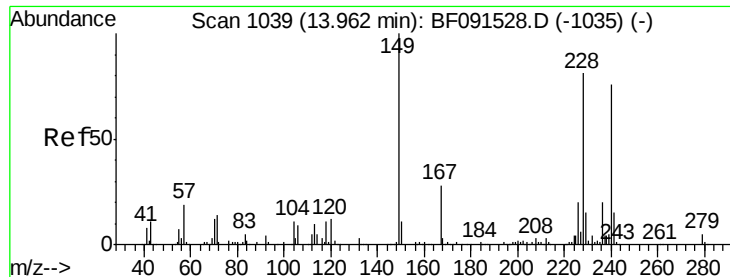


Abundance Ion 202.00 (201.70 to 202.70): E

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

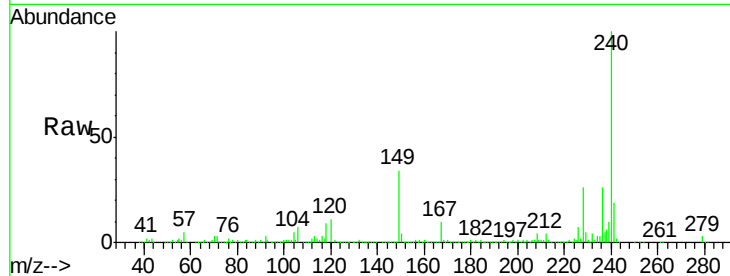
Tot Ion:240 Resp: 694068

Ion Ratio Lower Upper

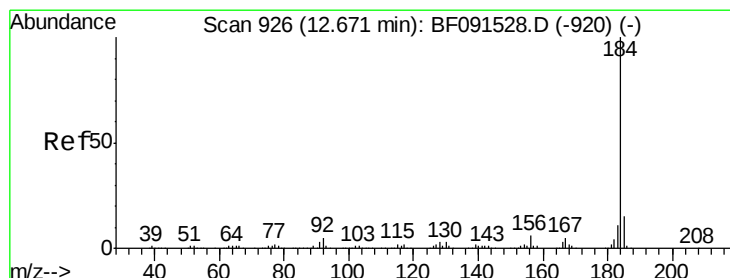
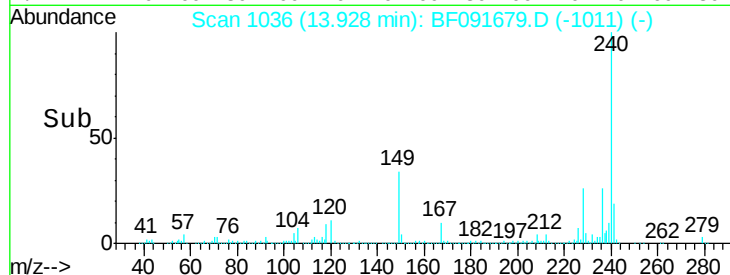
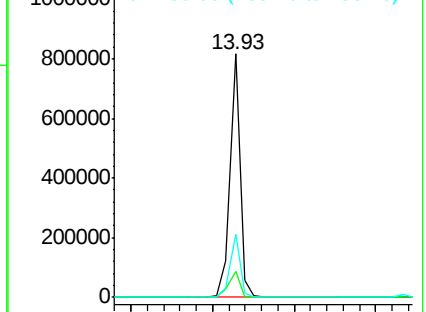
240 100

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

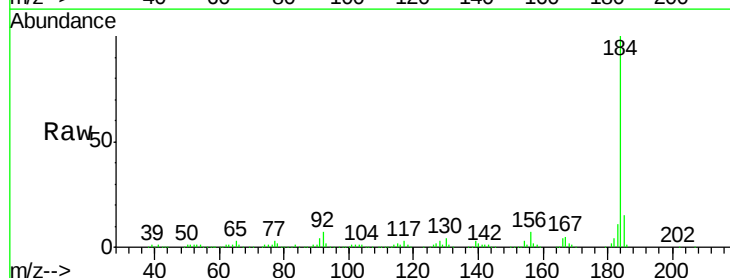
Tgt Ion:184 Resp: 435188

Ion Ratio Lower Upper

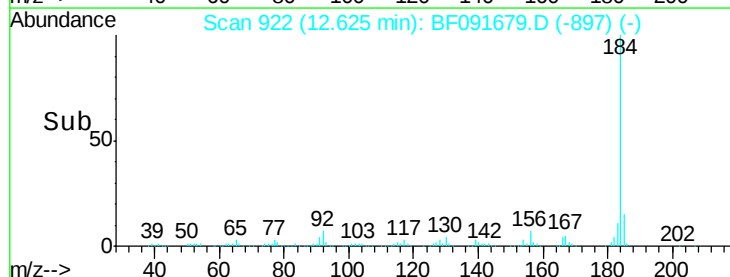
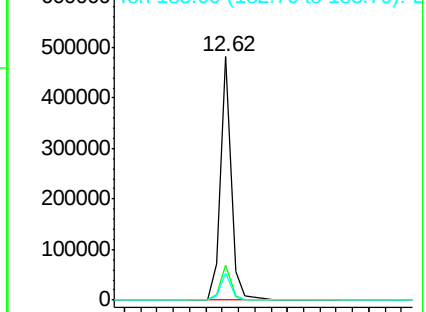
184 100

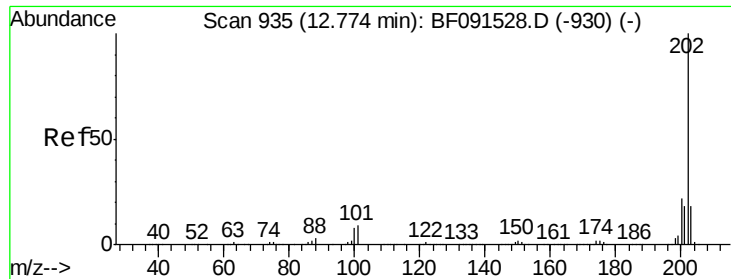
185 14.6 13.1 19.7

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

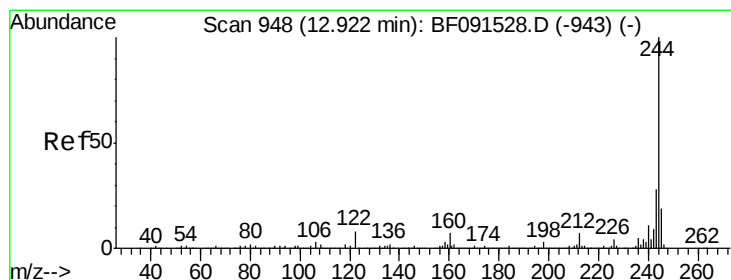
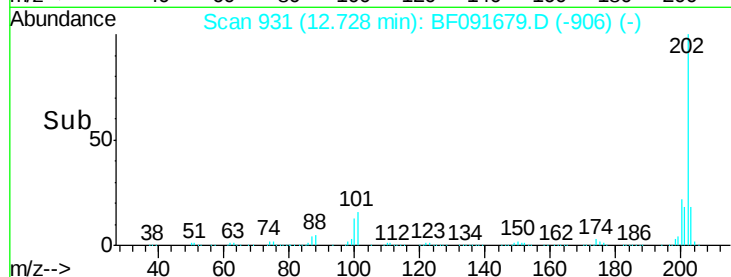
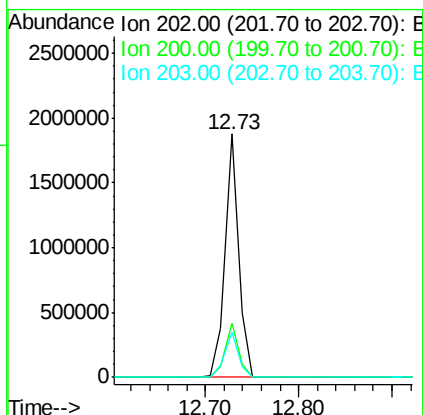
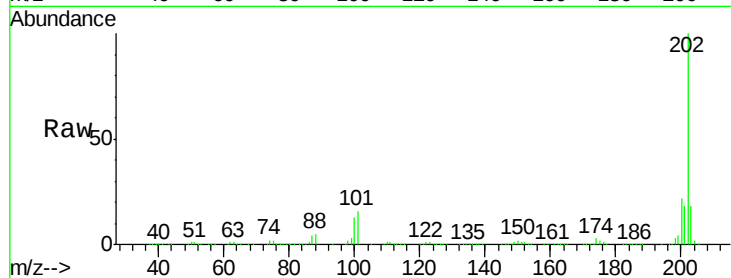




#77
Pvrene
Concen: 34.57 ng
RT: 12.73 min Scan# 931
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

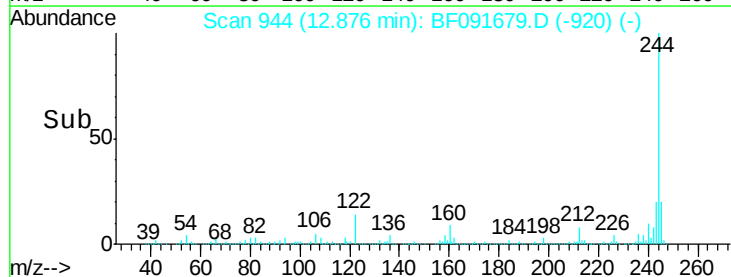
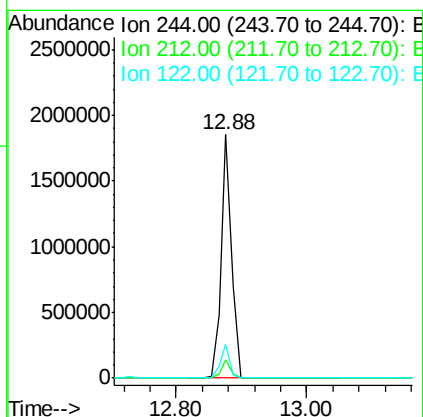
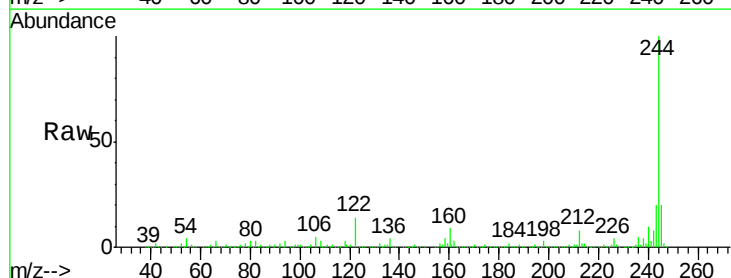
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

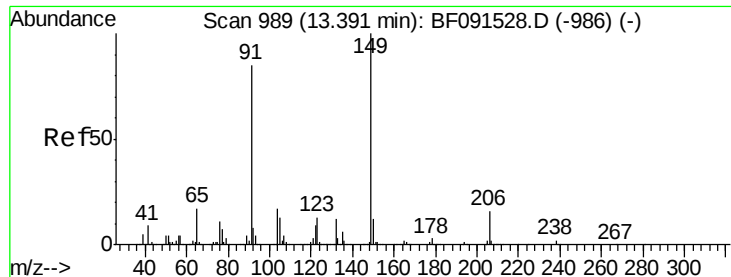
Tot Ion:202 Resp: 1903396
Ion Ratio Lower Upper
202 100
200 22.4 17.6 26.4
203 18.4 14.0 21.0



#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

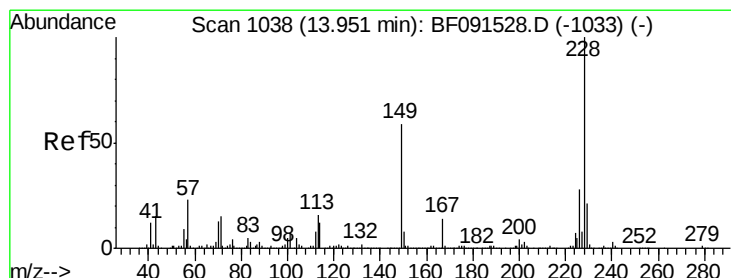
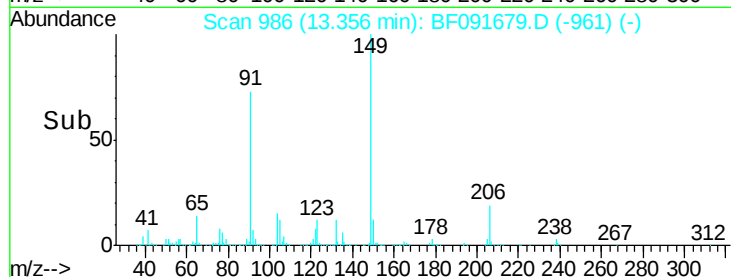
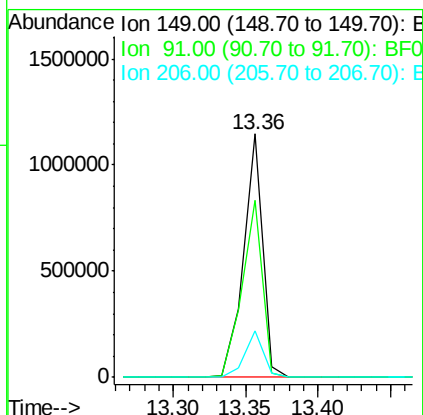
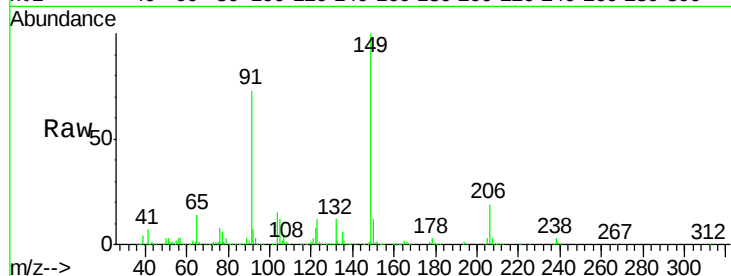




#79
Butylbenzylphthalate
Concen: 48.74 ng
RT: 13.36 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF091679.D
Acq: 16 Dec 2016 18:14

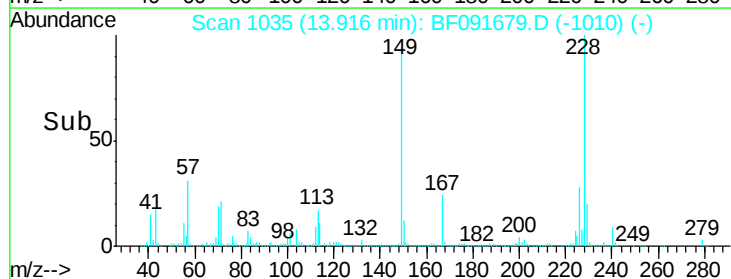
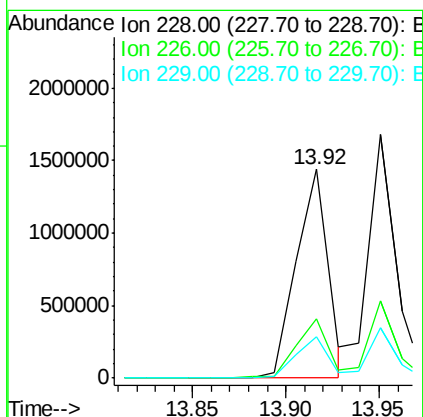
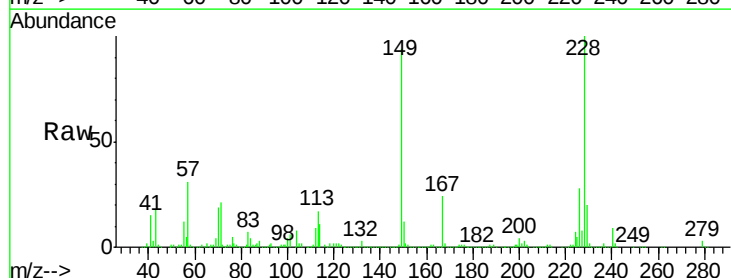
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MSD

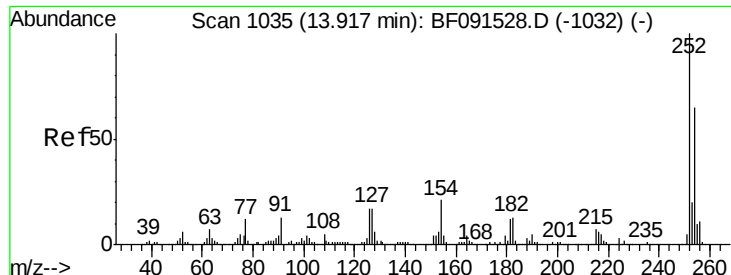
Tot Ion:149 Resp: 1046111
Ion Ratio Lower Upper
149 100
91 72.6 57.4 86.2
206 19.2 15.4 23.2



#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

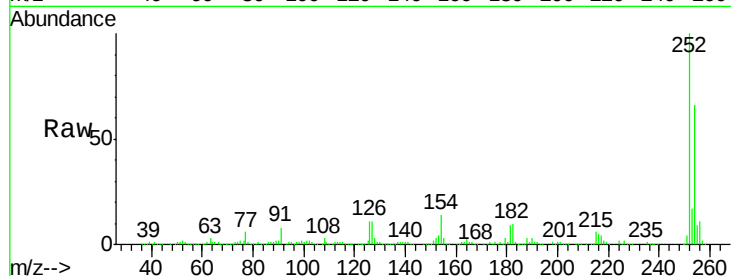




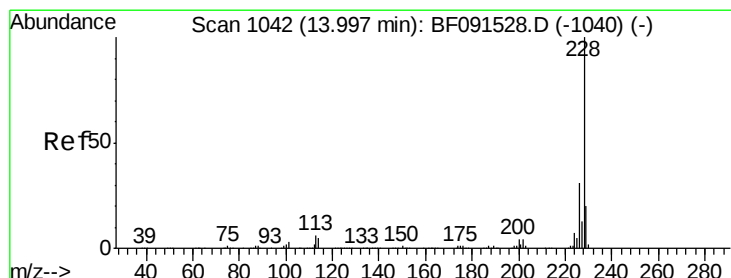
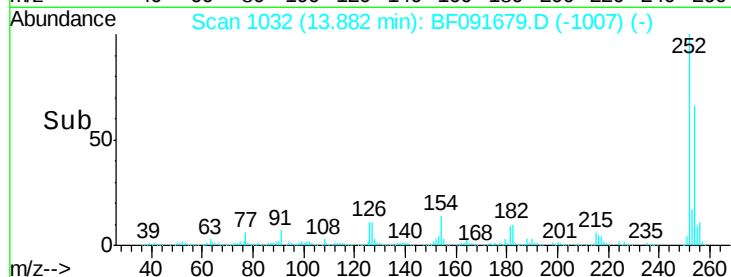
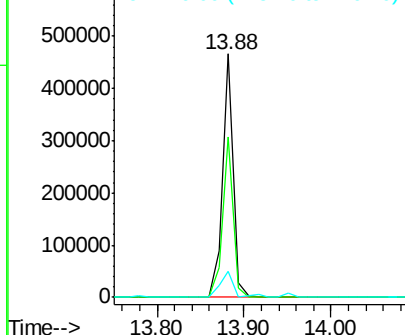
#81
 3,3'-Dichlorobenzidine
 Concen: 28.12 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

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

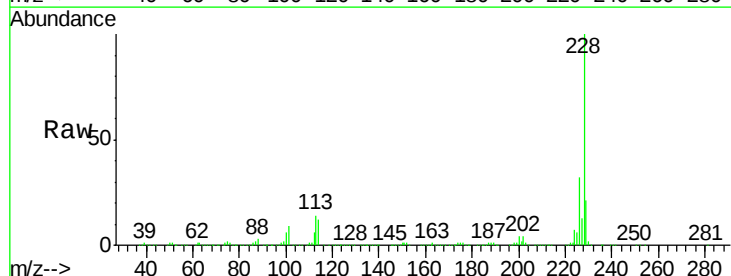


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

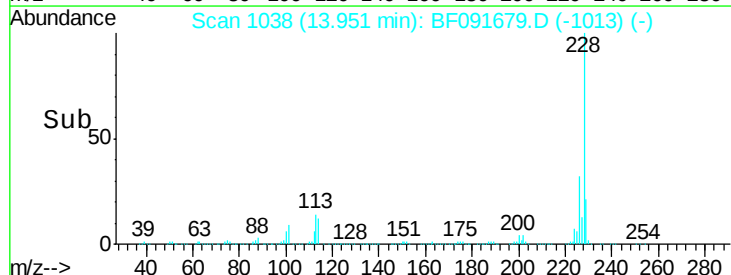
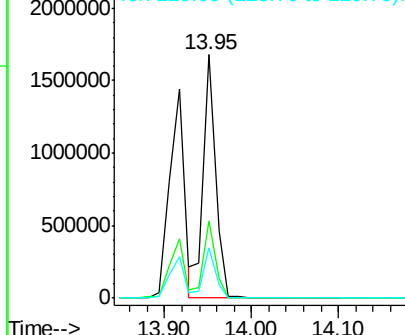


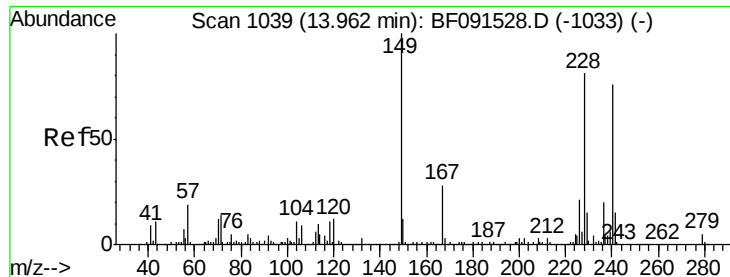
#82
 Chrysene
 Concen: 39.48 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

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



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

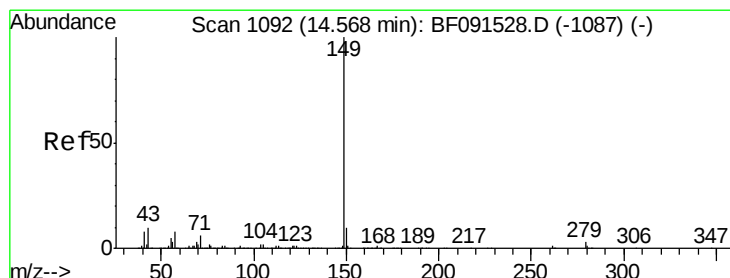
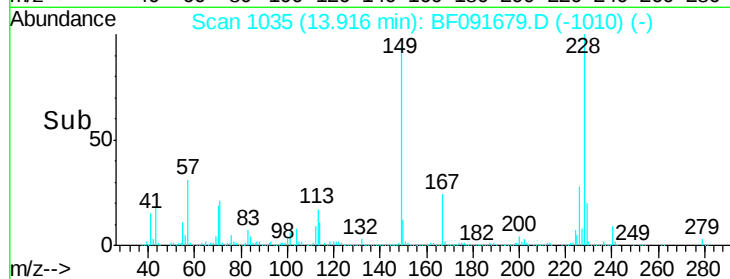
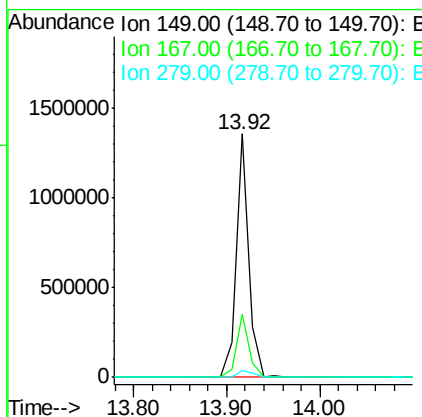
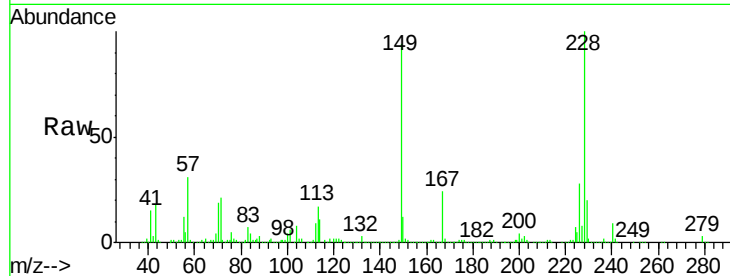




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 46.14 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

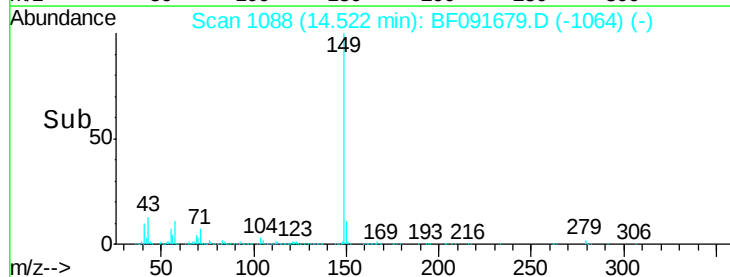
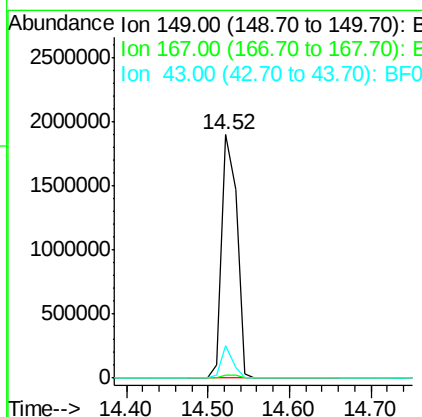
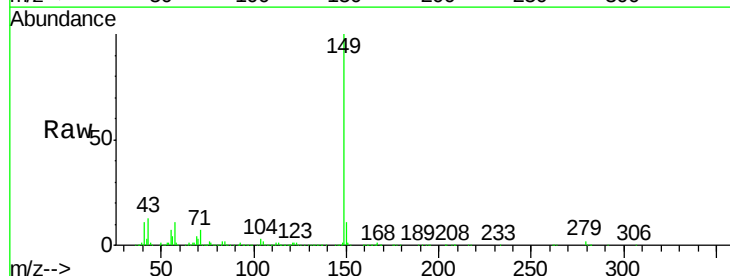
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

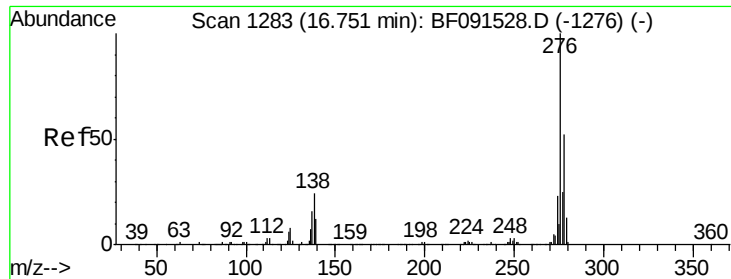
Tot Ion:149 Resp: 1270669
 Ion Ratio Lower Upper
 149 100
 167 26.1 19.6 29.4
 279 2.7 1.9 2.9



#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#

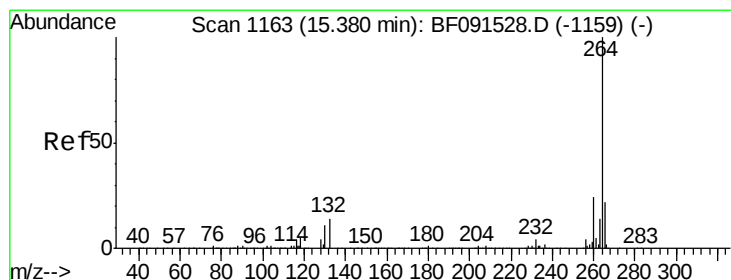
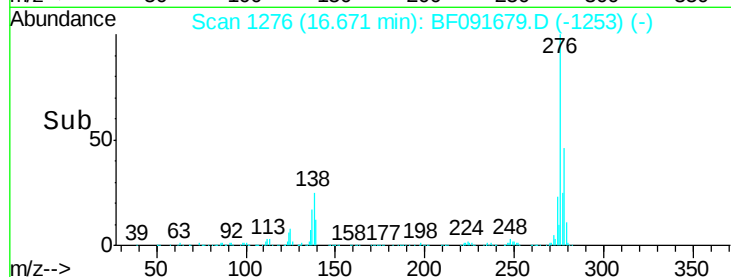
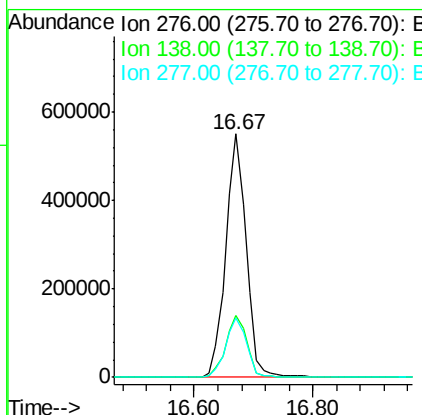
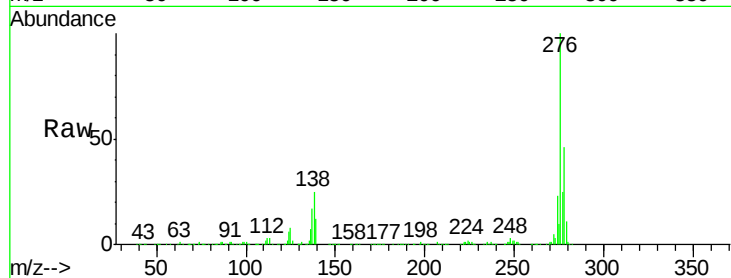




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 34.58 ng
 RT: 16.67 min Scan# 1276
 Delta R.T. -0.03 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

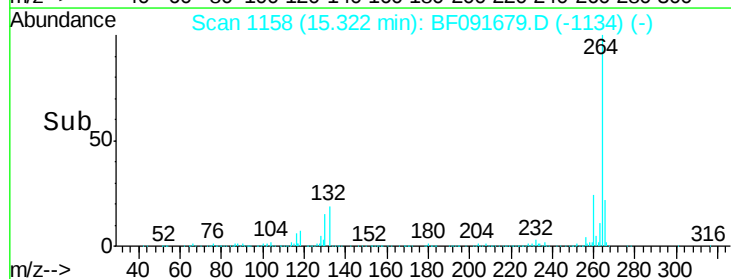
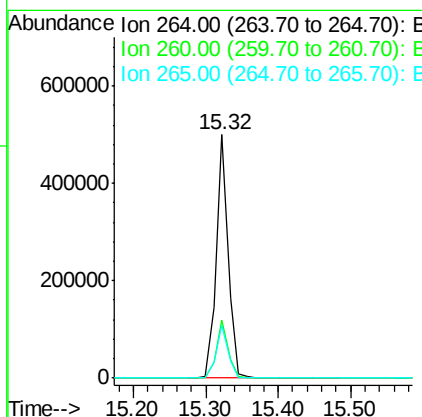
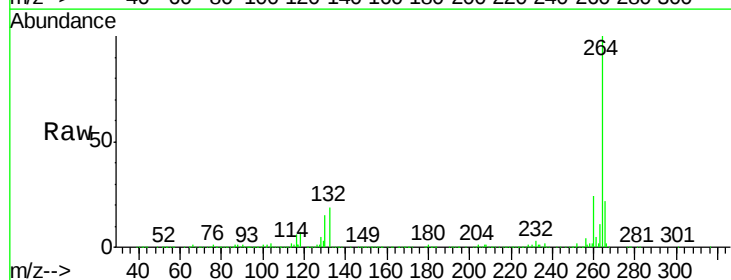
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

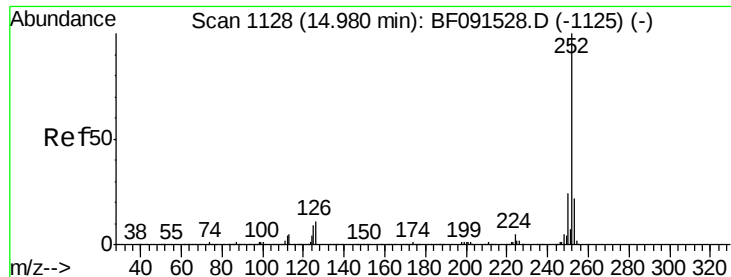
Tot Ion:276 Resp: 1312155
 Ion Ratio Lower Upper
 276 100
 138 26.6 21.0 31.4
 277 25.2 20.2 30.2



#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:264 Resp: 573226
 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: 52.26 ng m

RT: 14.93 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MSD

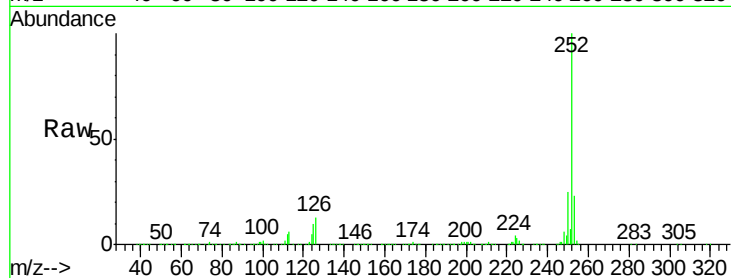
Tot Ion:252 Resp: 1785660

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.2

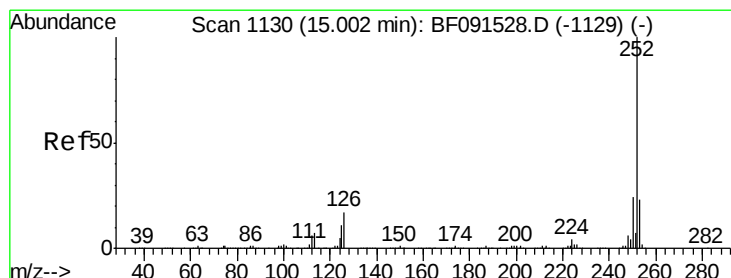
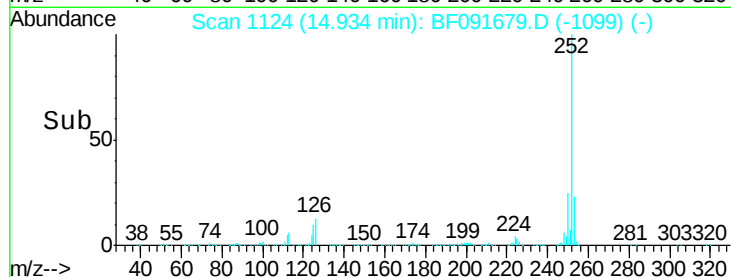
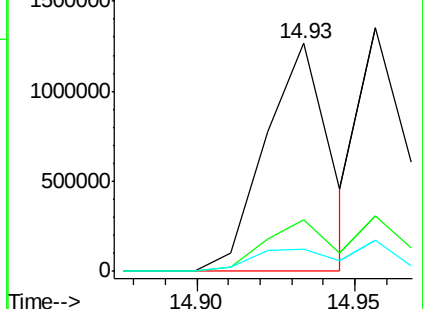
125 9.8 8.6 13.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 46.00 ng m

RT: 14.96 min Scan# 1126

Delta R.T. -0.02 min

Lab File: BF091679.D

Acq: 16 Dec 2016 18:14

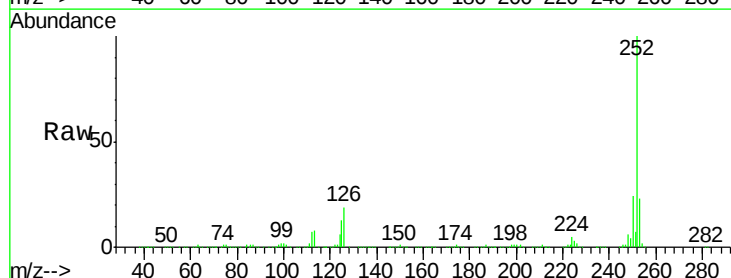
Tgt Ion:252 Resp: 1382042

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

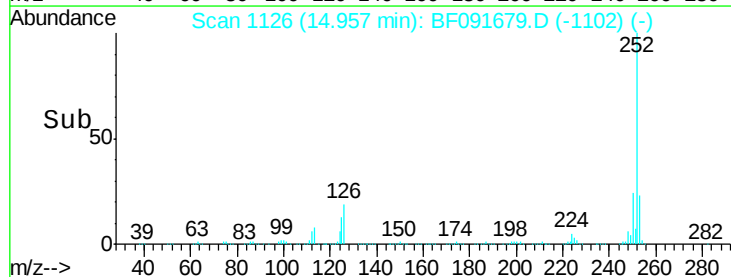
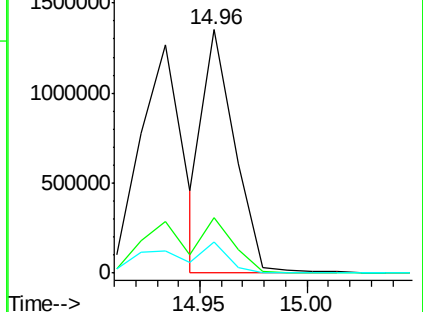
125 12.9 9.6 14.4

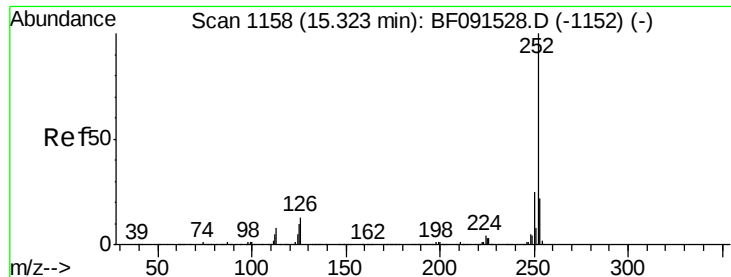


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 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

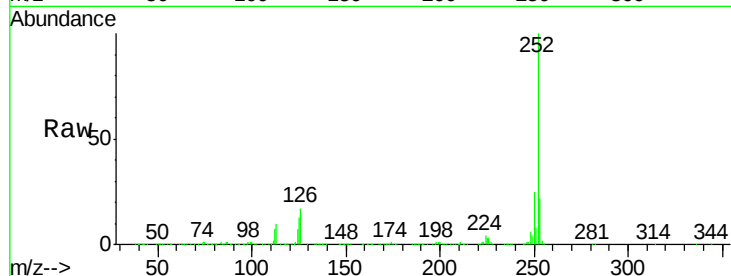
Tot Ion:252 Resp: 1513897

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.4
125	13.2	10.4	15.6

252 100

253 22.3 18.2 27.4

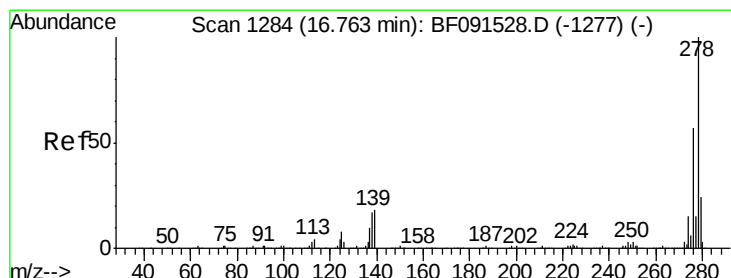
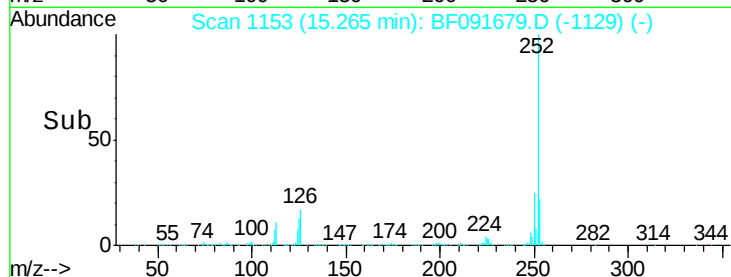
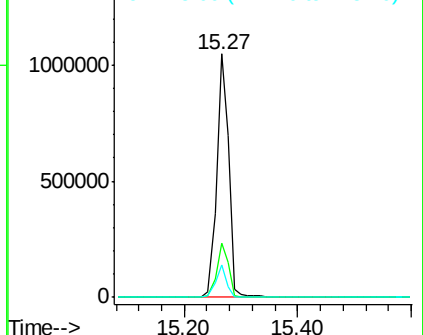
125 13.2 10.4 15.6



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

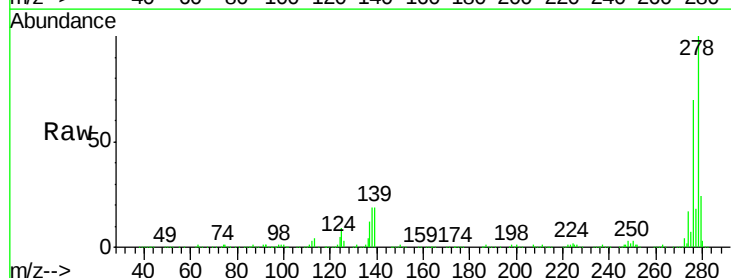
Tgt Ion:278 Resp: 1072362

Ion	Ratio	Lower	Upper
278	100		
139	18.9	15.1	22.7
279	24.3	19.0	28.6

278 100

139 18.9 15.1 22.7

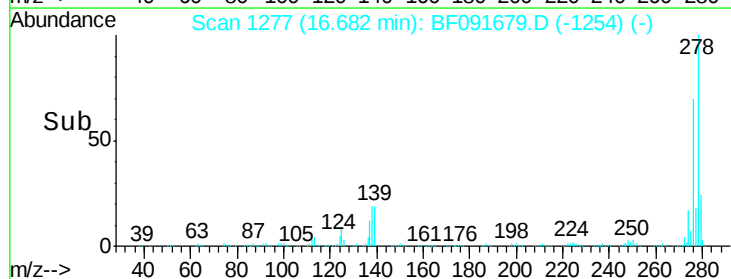
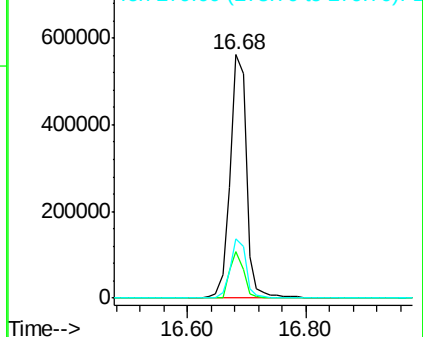
279 24.3 19.0 28.6

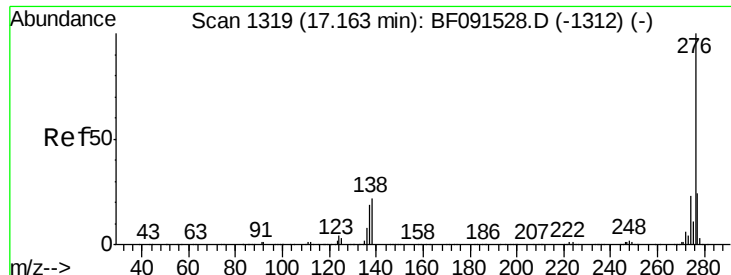


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

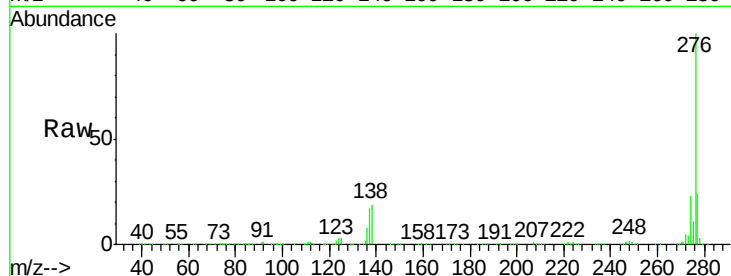




#91
 Benzo(a,h,i)perylene
 Concen: 40.61 ng
 RT: 17.08 min Scan# 1312
 Delta R.T. -0.03 min
 Lab File: BF091679.D
 Acq: 16 Dec 2016 18:14

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

Tot 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

