

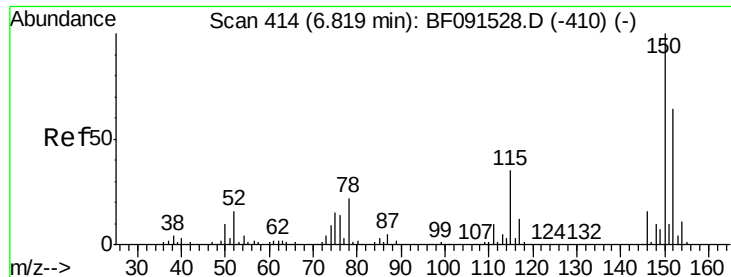
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121516\
 Data File : BF091636.D
 Acq On : 15 Dec 2016 18:52
 Operator : UM/SJ
 Sample : H6029-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01

Quant Time: Dec 16 00:13:22 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	319847	20.00	ng	-0.03
21) Naphthalene-d8	8.06	136	1199691	20.00	ng	-0.03
38) Acenaphthene-d10	9.82	164	652210	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	937898	20.00	ng	-0.03
75) Chrysene-d12	13.93	240	636394	20.00	ng	-0.03
86) Perylene-d12	15.35	264	606606	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	2620638	138.04	ng	-0.02
7) Phenol-d6	6.43	99	3043718	128.60	ng	-0.02
23) Nitrobenzene-d5	7.36	82	2375082	110.50	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	651871	120.33	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	2931747	77.67	ng	-0.03
78) Terphenyl-d14	12.89	244	2511014	89.53	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.56	77	61463	3.77	ng	Qvalue 85
10) Phenol	6.44	94	171799	6.21	ng	85
19) n-Nitroso-di-n-propylamine	7.36	70	320315	21.64	ng	# 59
20) 3+4-Methylphenols	7.21	107	219	Below Cal	#	20
25) Isophorone	7.36	82	2106465	55.13	ng	# 67
49) Dimethylphthalate	9.54	163	326771	7.91	ng	# 99
56) 2,4-Dinitrotoluene	9.82	165	84715	7.46	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.61	198	1949	3.27	ng	# 5
66) 4-Bromophenyl-phenylether	10.61	248	44383	4.62	ng	# 1

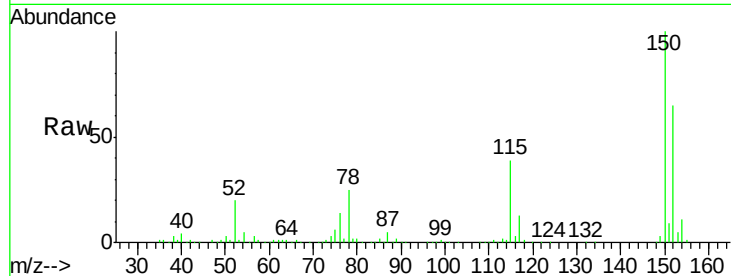
(#) = qualifier out of range (m) = manual integration (+) = signals summed



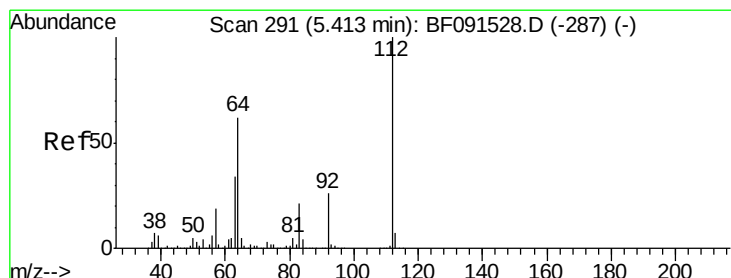
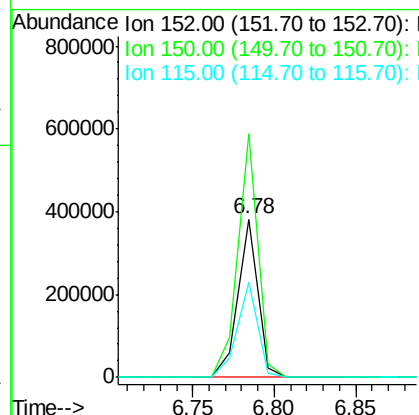
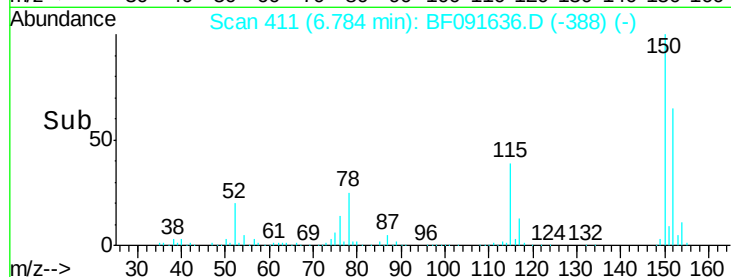
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.78 min Scan# 411
 Delta R.T. -0.03 min
 Lab File: BF091636.D
 Acq: 15 Dec 2016 18:52

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01

Tgt Ion:152 Resp: 319847
 Ion Ratio Lower Upper
 152 100
 150 154.0 122.5 183.7
 115 59.9 51.8 77.8

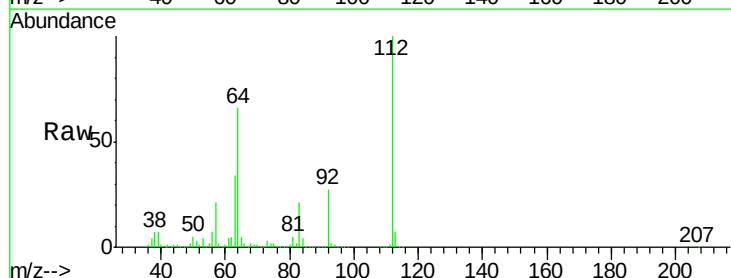


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

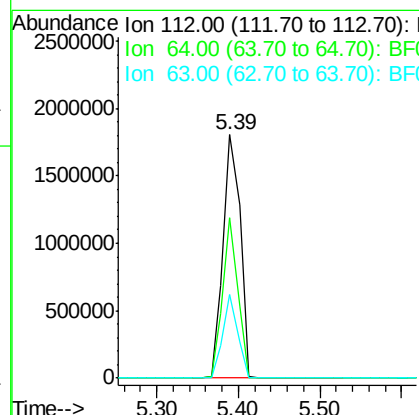
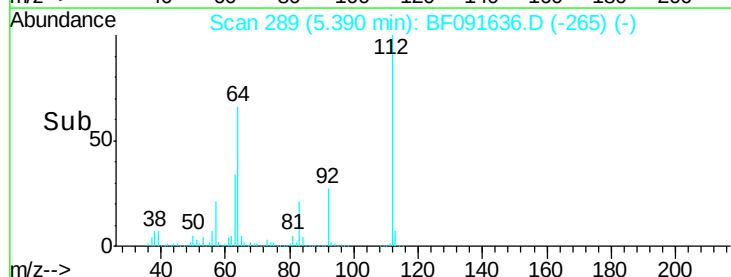


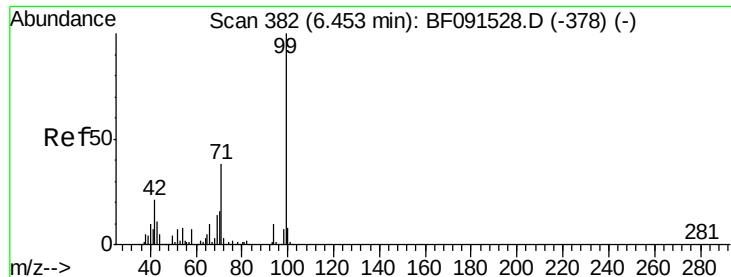
#5
 2-Fluorophenol
 Concen: 138.04 ng
 RT: 5.39 min Scan# 289
 Delta R.T. -0.02 min
 Lab File: BF091636.D
 Acq: 15 Dec 2016 18:52

Tgt Ion:112 Resp: 2620638
 Ion Ratio Lower Upper
 112 100
 64 66.1 61.5 92.3
 63 34.2 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





#7

Phenol-d6

Concen: 128.60 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF091636.D

Acq: 15 Dec 2016 18:52

Instrument :

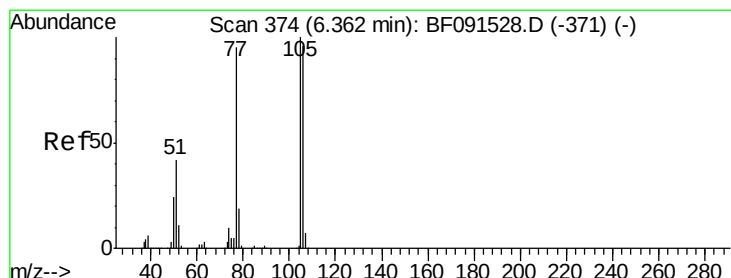
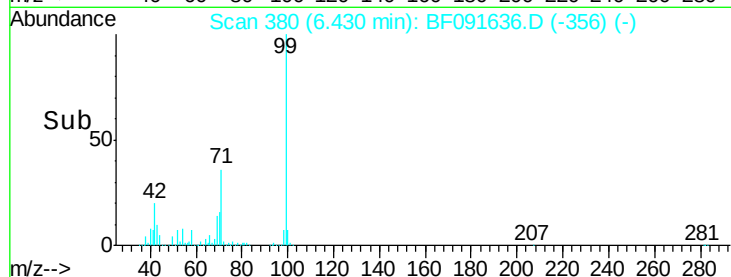
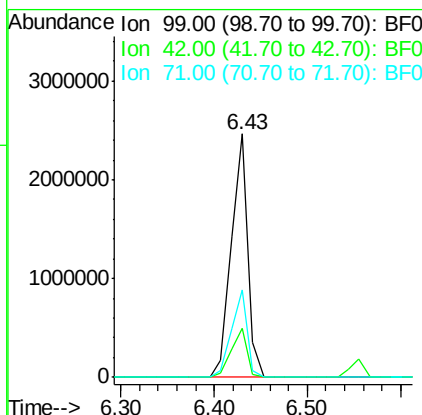
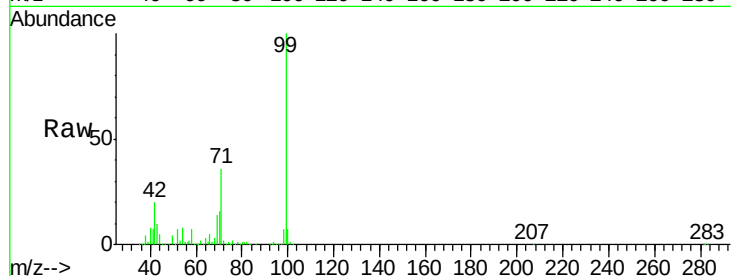
BNA_F

ClientSampleId :

IDW-SOIL-01

Tgt Ion: 99 Resp: 3043718

Ion	Ratio	Lower	Upper
99	100		
42	20.1	20.6	31.0#
71	35.7	29.9	44.9



#9

Benzaldehyde

Concen: 3.77 ng

RT: 6.56 min Scan# 391

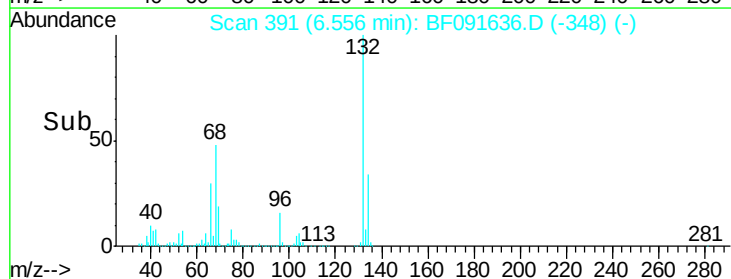
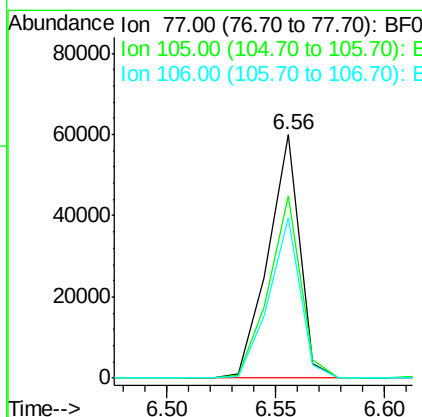
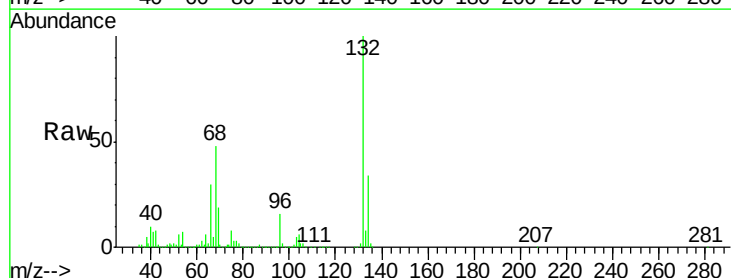
Delta R.T. 0.19 min

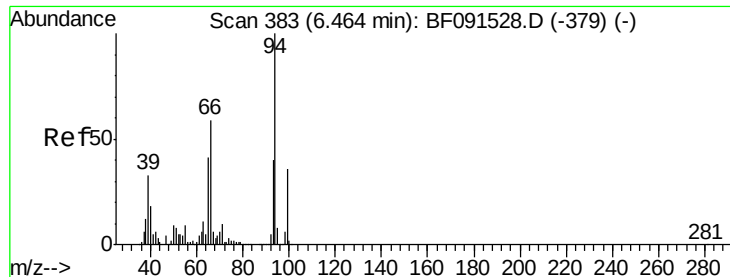
Lab File: BF091636.D

Acq: 15 Dec 2016 18:52

Tgt Ion: 77 Resp: 61463

Ion	Ratio	Lower	Upper
77	100		
105	74.7	66.4	106.4
106	66.0	60.9	100.9





#10

Phenol

Concen: 6.21 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.02 min

Lab File: BF091636.D

Acq: 15 Dec 2016 18:52

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01

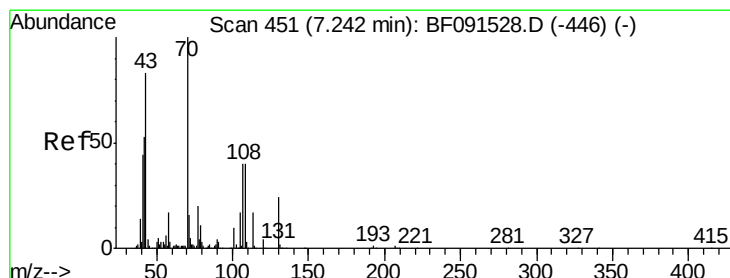
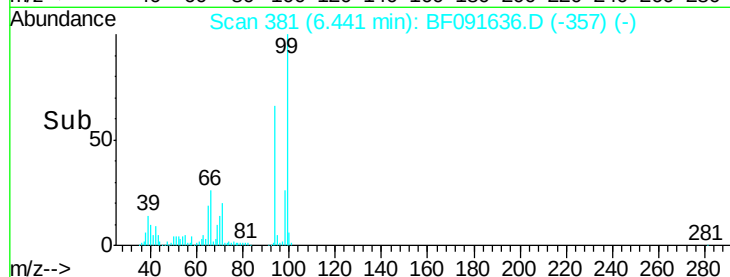
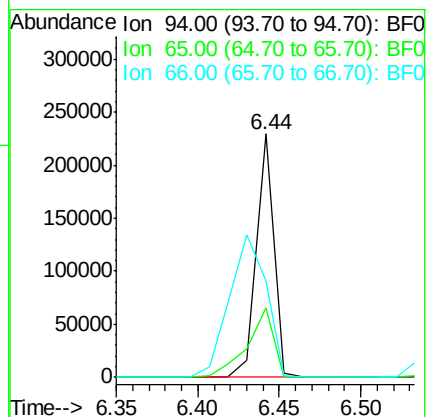
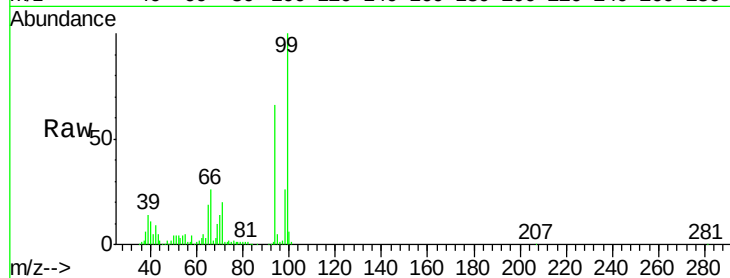
Tgt Ion: 94 Resp: 171799

Ion Ratio Lower Upper

94 100

65 28.4 16.9 56.9

66 39.5 30.6 70.6



#19

n-Nitroso-di-n-propylamine

Concen: 21.64 ng

RT: 7.36 min Scan# 461

Delta R.T. 0.11 min

Lab File: BF091636.D

Acq: 15 Dec 2016 18:52

Tgt Ion: 70 Resp: 320315

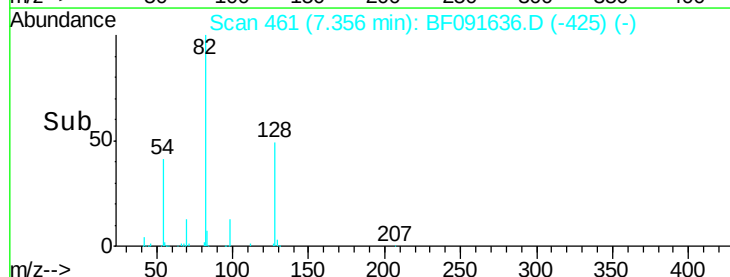
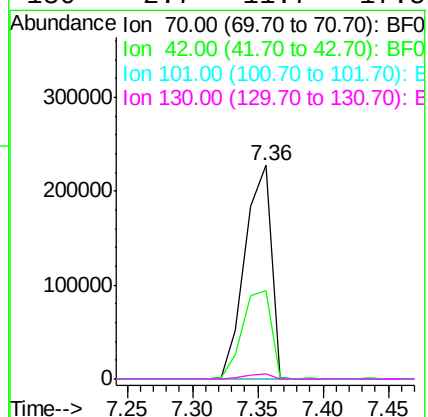
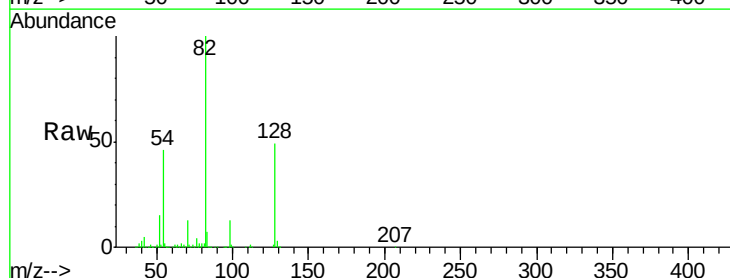
Ion Ratio Lower Upper

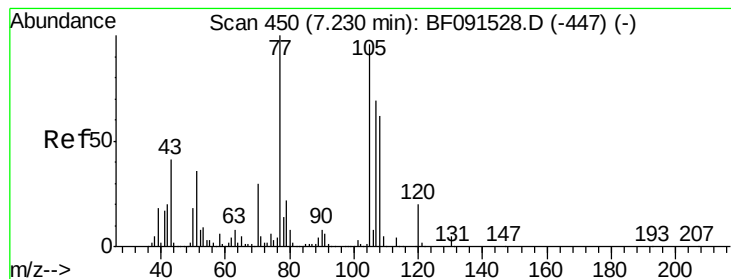
70 100

42 41.1 64.8 97.2#

101 0.0 6.2 9.4#

130 2.7 11.7 17.5#





#20

3+4-Methylphenols

Concen: Below Cal

RT: 7.21 min Scan# 448

Delta R.T. -0.02 min

Lab File: BF091636.D

Acq: 15 Dec 2016 18:52

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01

Tgt Ion:107 Resp: 219

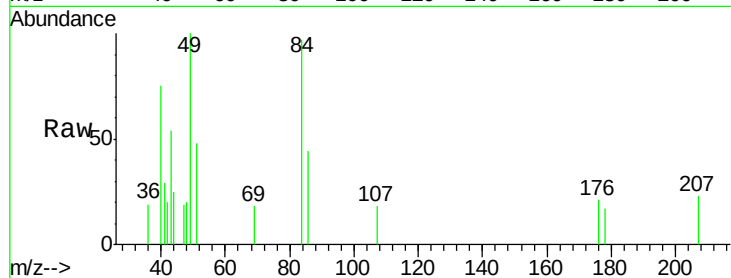
Ion Ratio Lower Upper

107 100

108 0.0 64.6 104.6#

77 0.0 30.9 70.9#

79 0.0 9.3 49.3#

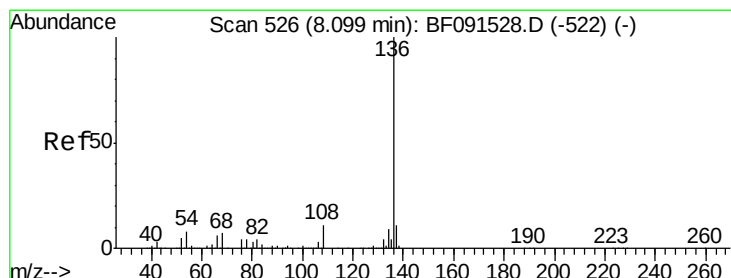
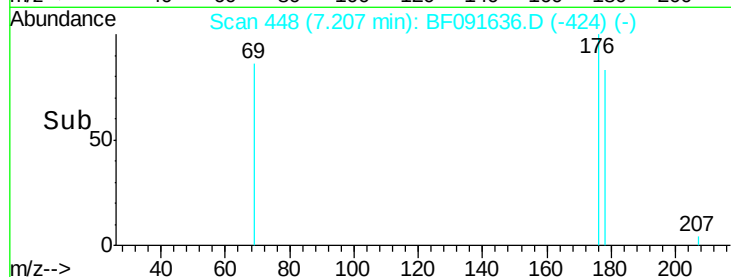
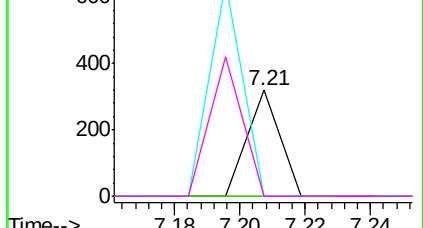


Abundance Ion 107.00 (106.70 to 107.70): E

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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.03 min

Lab File: BF091636.D

Acq: 15 Dec 2016 18:52

Tgt Ion:136 Resp: 1199691

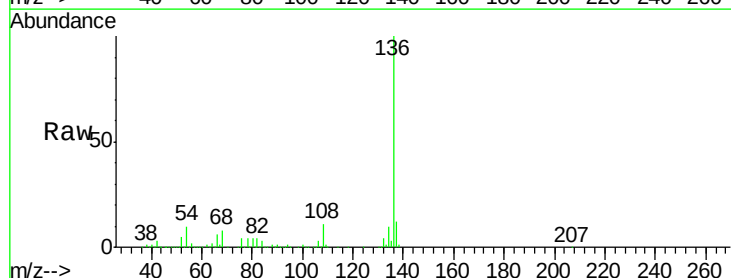
Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

54 10.3 9.1 13.7

68 7.9 5.9 8.9

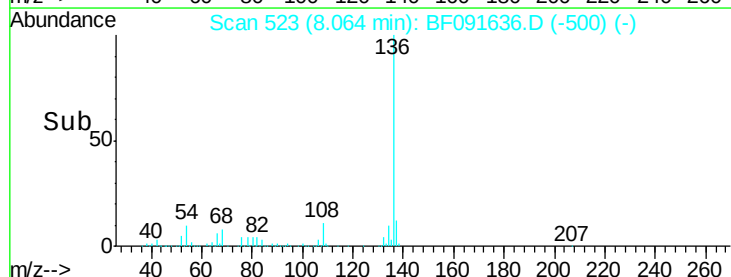
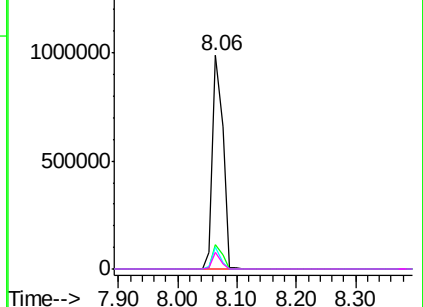


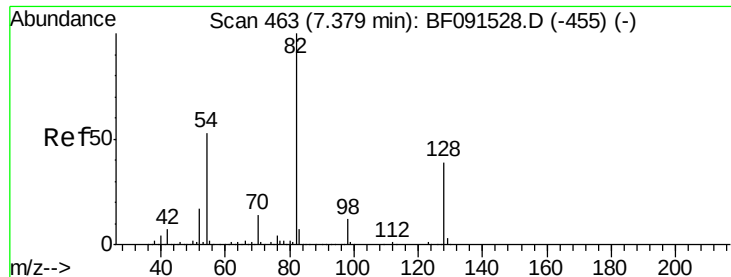
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

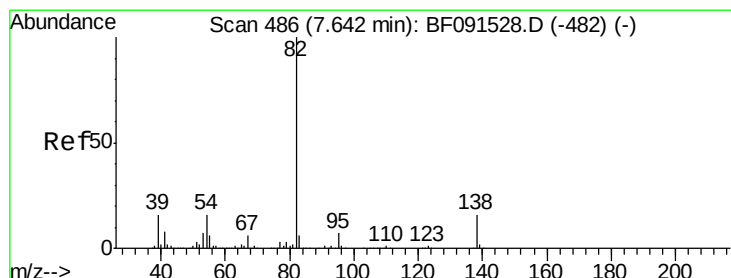
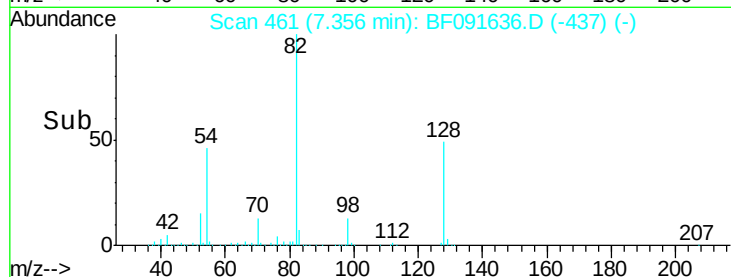
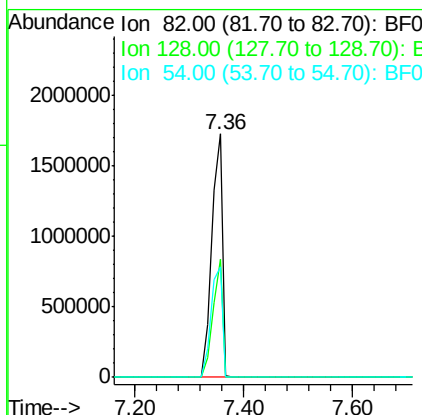
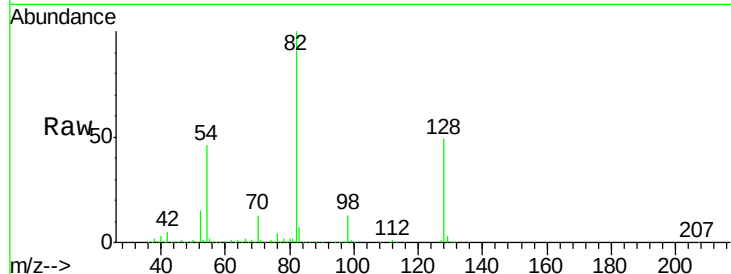




#23
 Nitrobenzene-d5
 Concen: 110.50 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: BF091636.D
 Acq: 15 Dec 2016 18:52

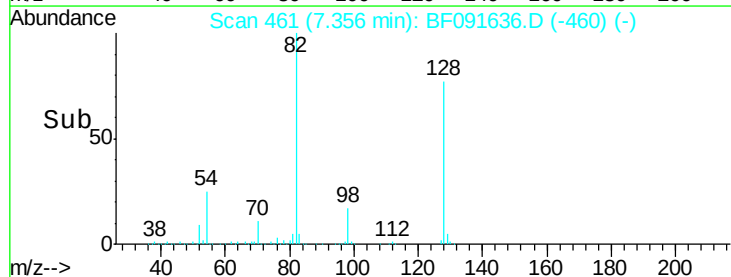
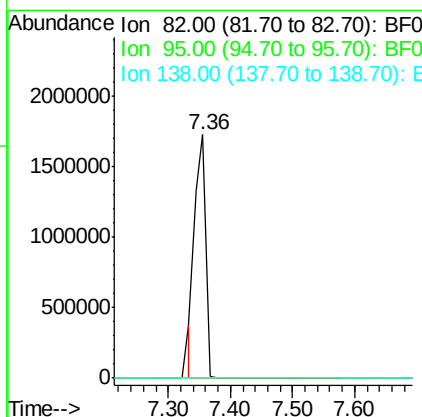
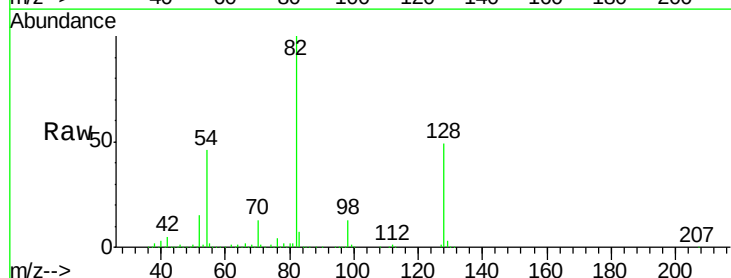
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01

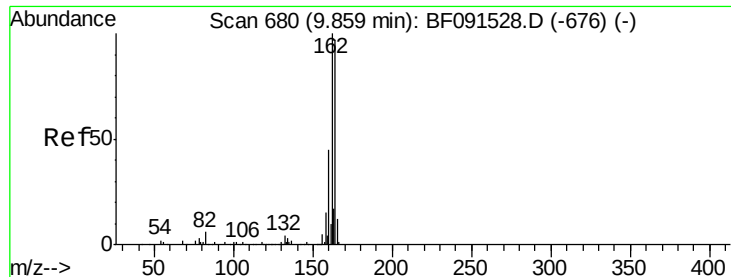
Tgt Ion: 82 Resp: 2375082
 Ion Ratio Lower Upper
 82 100
 128 48.7 31.8 47.6#
 54 45.6 49.1 73.7#



#25
 Isophorone
 Concen: 55.13 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.29 min
 Lab File: BF091636.D
 Acq: 15 Dec 2016 18:52

Tgt Ion: 82 Resp: 2106465
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.7 8.5#
 138 0.0 13.4 20.0#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.03 min

Lab File: BF091636.D

Acq: 15 Dec 2016 18:52

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01

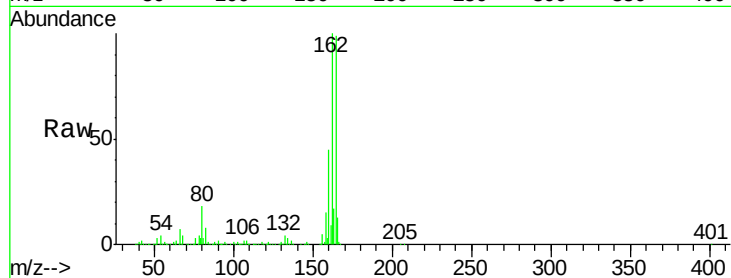
Tgt Ion:164 Resp: 652210

Ion Ratio Lower Upper

164 100

162 101.0 82.6 124.0

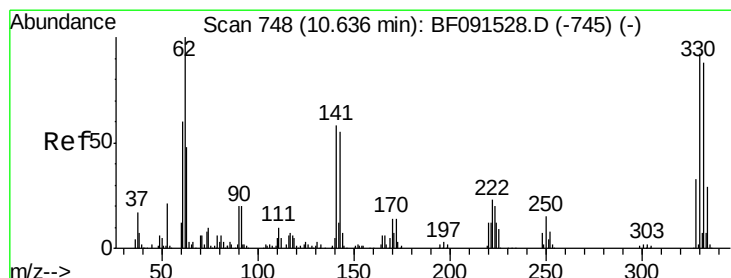
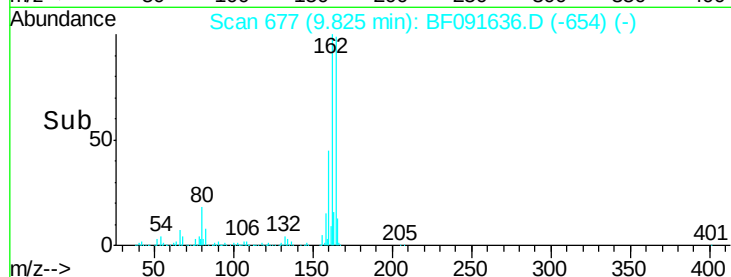
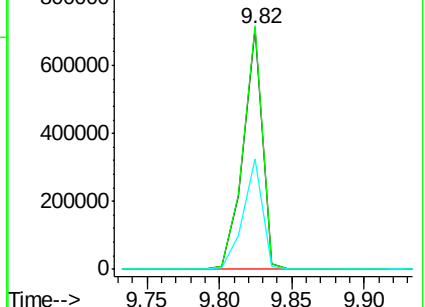
160 45.9 36.7 55.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 120.33 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF091636.D

Acq: 15 Dec 2016 18:52

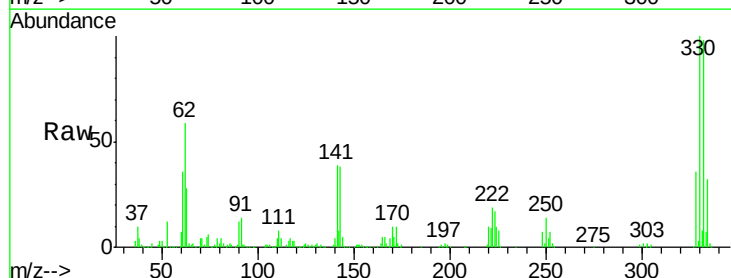
Tgt Ion:330 Resp: 651871

Ion Ratio Lower Upper

330 100

332 97.1 76.2 114.4

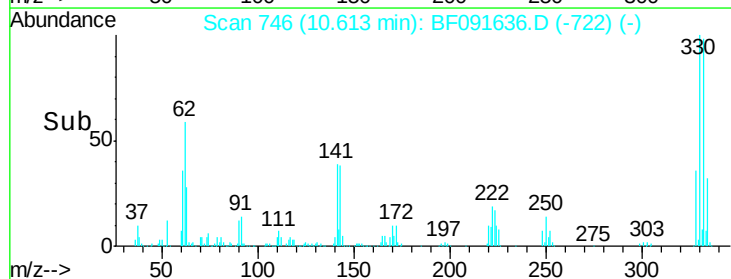
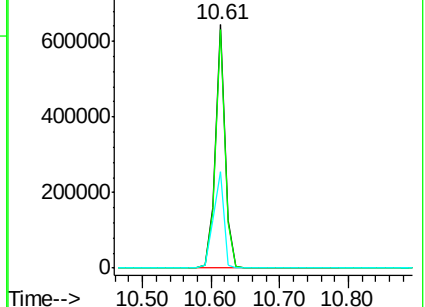
141 42.0 33.6 50.4

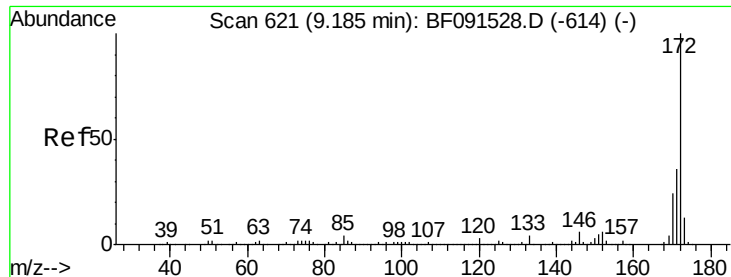


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

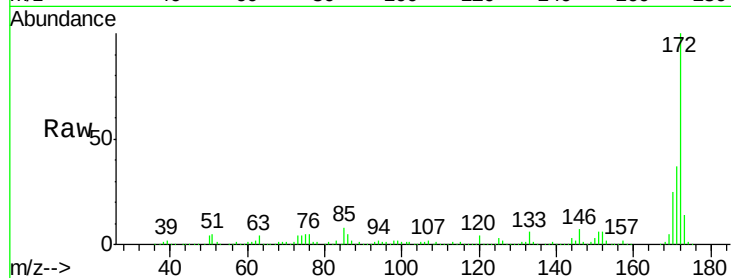




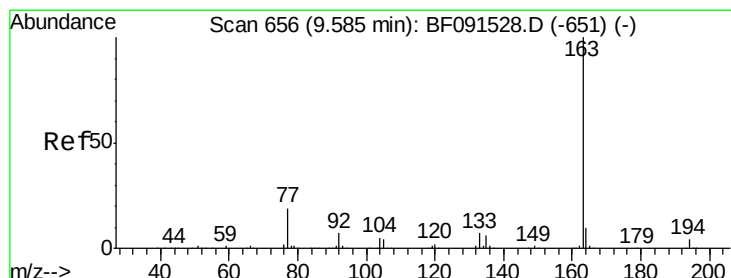
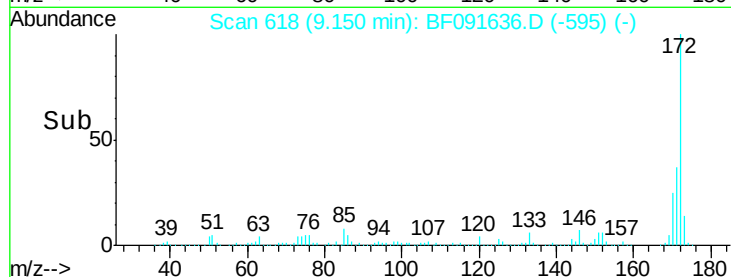
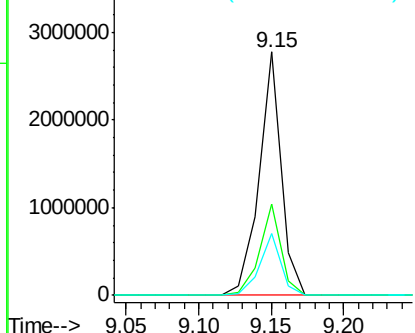
#44
 2-Fluorobiphenyl
 Concen: 77.67 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.03 min
 Lab File: BF091636.D
 Acq: 15 Dec 2016 18:52

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01

Tgt Ion:172 Resp: 2931747
 Ion Ratio Lower Upper
 172 100
 171 37.3 29.4 44.0
 170 25.2 19.7 29.5

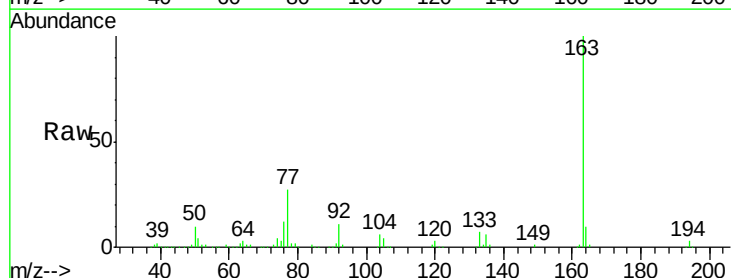


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

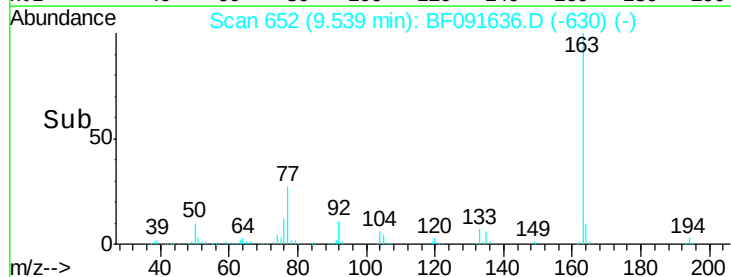
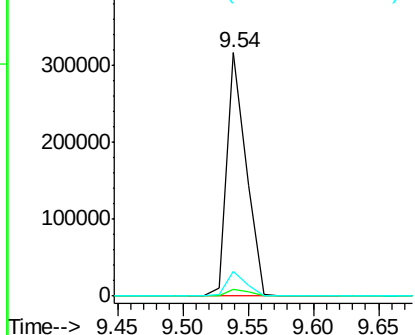


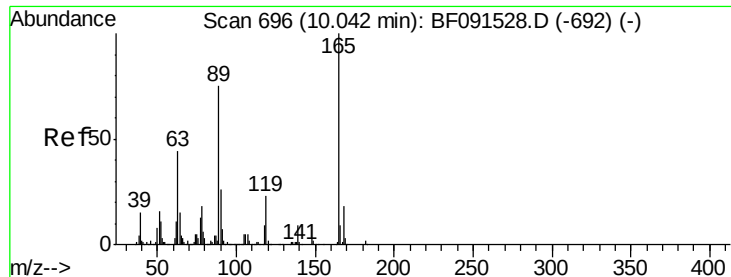
#49
 Dimethylphthalate
 Concen: 7.91 ng
 RT: 9.54 min Scan# 652
 Delta R.T. -0.05 min
 Lab File: BF091636.D
 Acq: 15 Dec 2016 18:52

Tgt Ion:163 Resp: 326771
 Ion Ratio Lower Upper
 163 100
 194 2.9 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

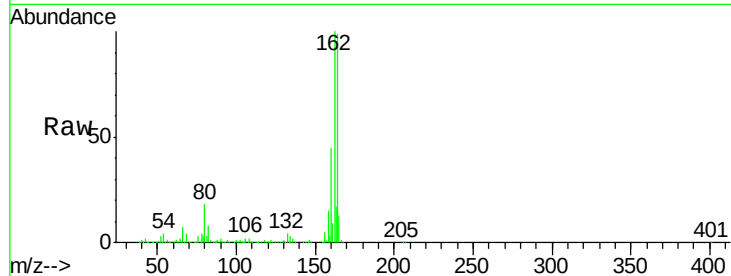




#56
 2,4-Dinitrotoluene
 Concen: 7.46 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.22 min
 Lab File: BF091636.D
 Acq: 15 Dec 2016 18:52

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.6	29.0	43.4#
89	0.9	43.1	64.7#
182	0.0	1.9	2.9#

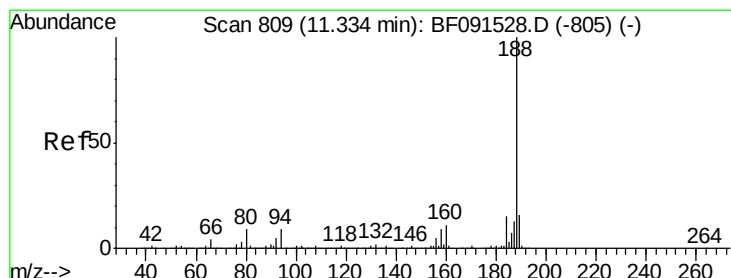
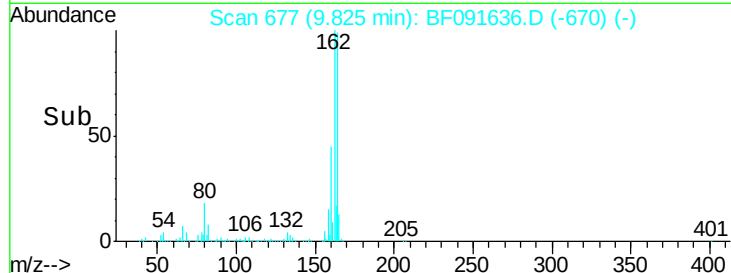
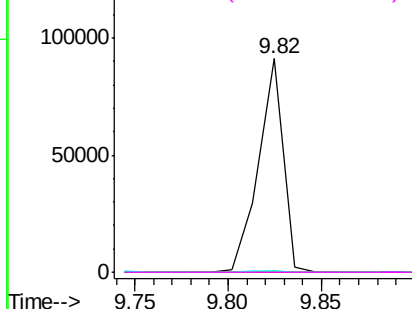


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

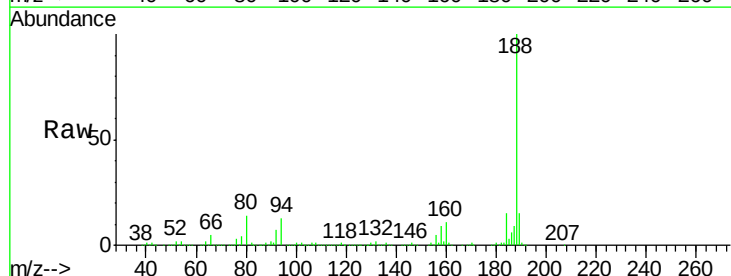
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.03 min
 Lab File: BF091636.D
 Acq: 15 Dec 2016 18:52

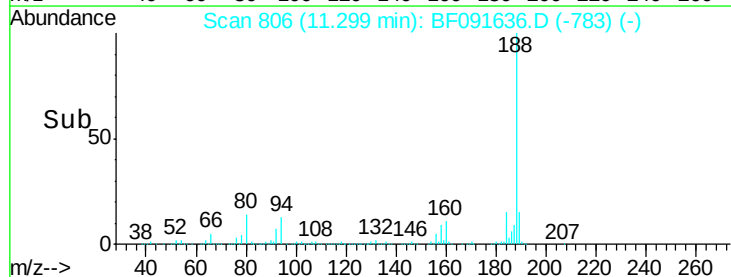
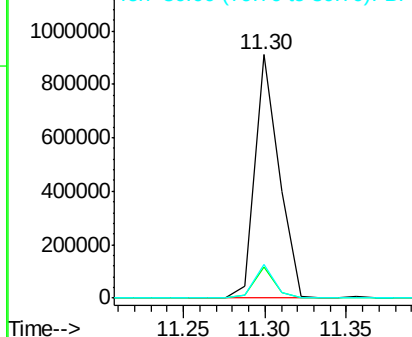
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.8	9.2	13.8
80	14.1	10.5	15.7

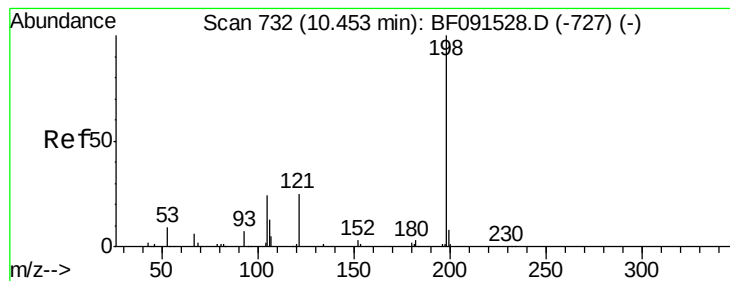


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 3.27 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.16 min

Lab File: BF091636.D

Acq: 15 Dec 2016 18:52

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01

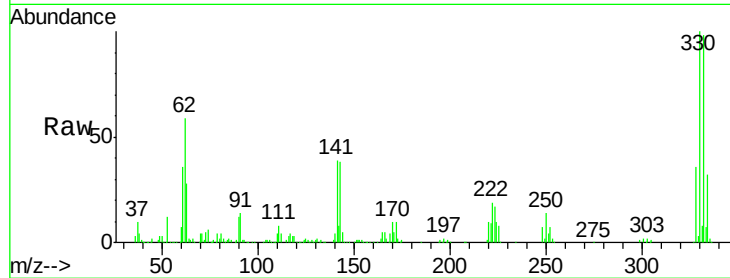
Tgt Ion:198 Resp: 1949

Ion Ratio Lower Upper

198 100

51 157.4 77.1 117.1#

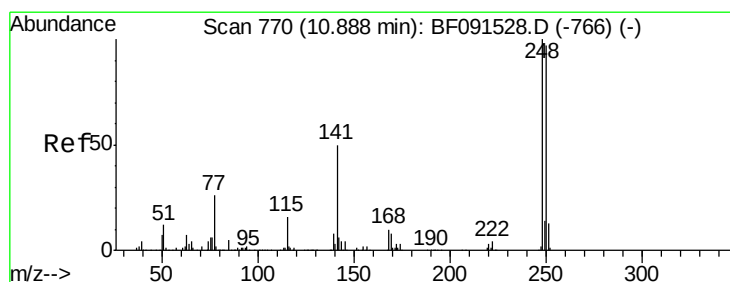
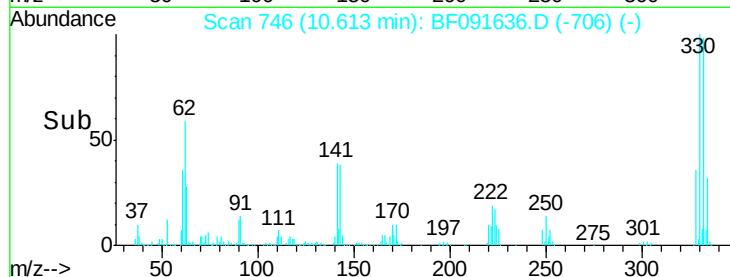
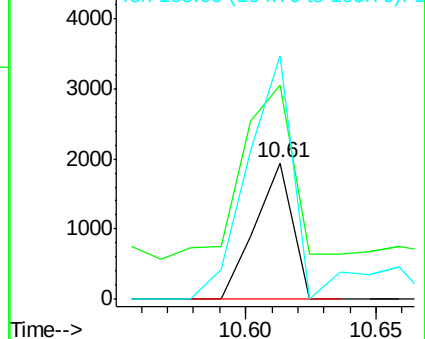
105 178.6 44.8 84.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.62 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.27 min

Lab File: BF091636.D

Acq: 15 Dec 2016 18:52

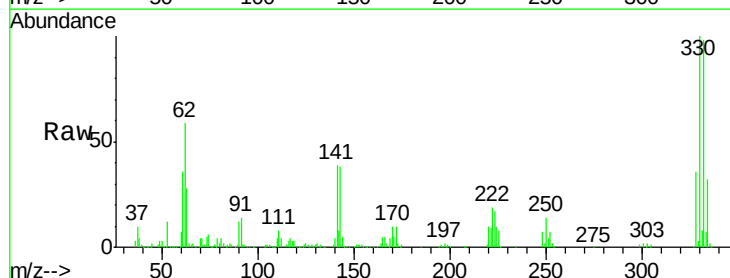
Tgt Ion:248 Resp: 44383

Ion Ratio Lower Upper

248 100

250 196.5 78.2 117.4#

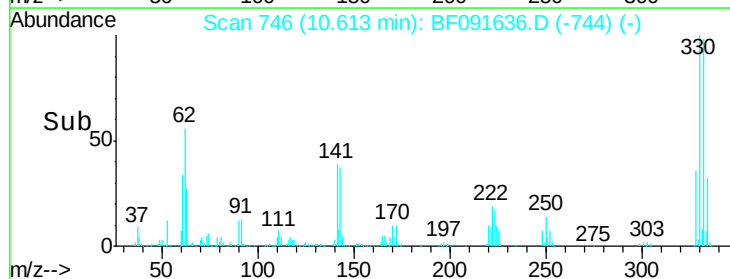
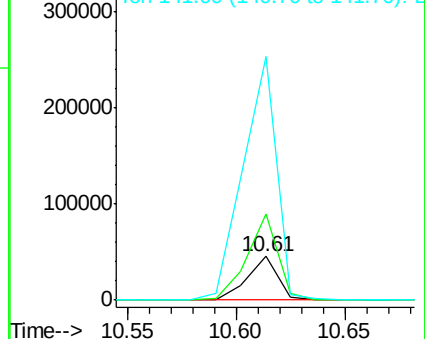
141 556.3 71.9 107.9#

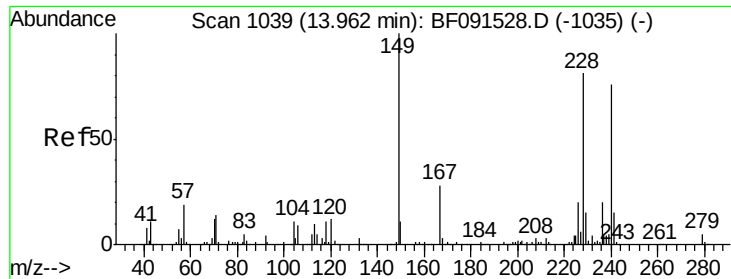


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.03 min

Lab File: BF091636.D

Acq: 15 Dec 2016 18:52

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01

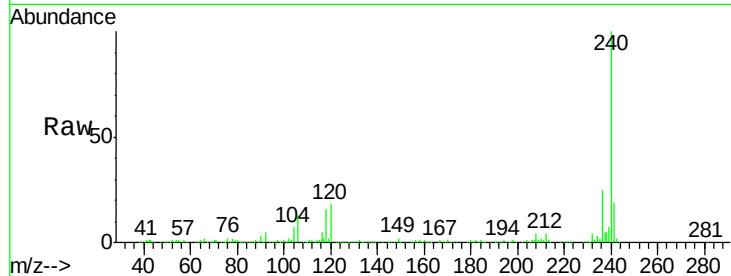
Tgt Ion:240 Resp: 636394

Ion Ratio Lower Upper

240 100

120 17.9 12.1 18.1

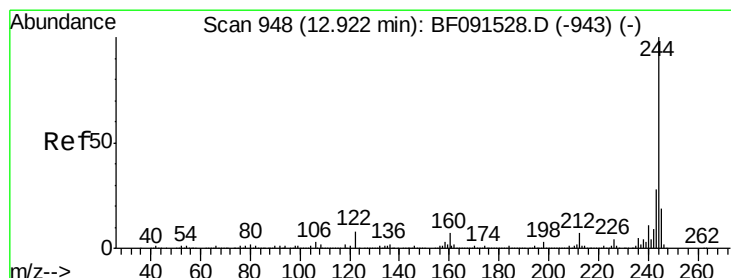
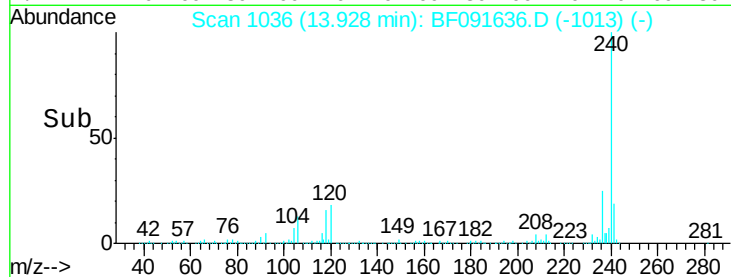
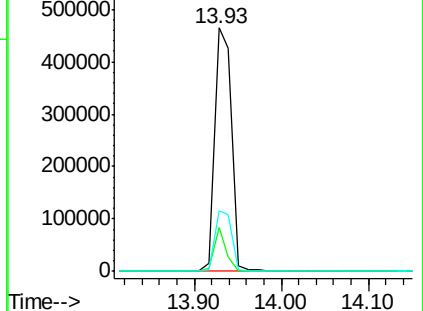
236 25.1 21.0 31.6



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



#78

Terphenyl-d14

Concen: 89.53 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.03 min

Lab File: BF091636.D

Acq: 15 Dec 2016 18:52

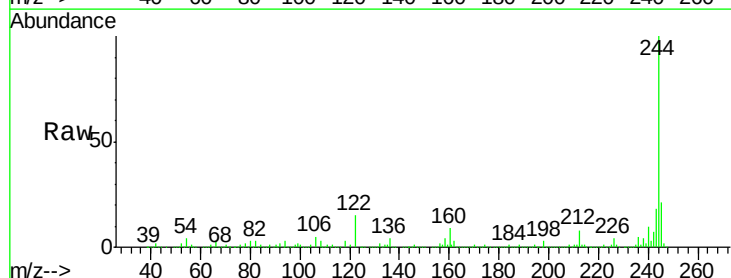
Tgt Ion:244 Resp: 2511014

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

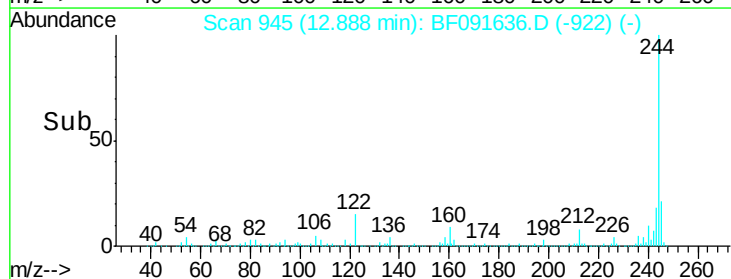
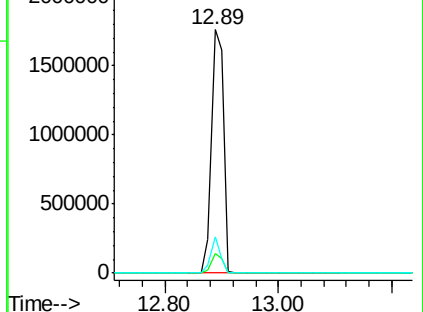
122 14.9 9.5 14.3#

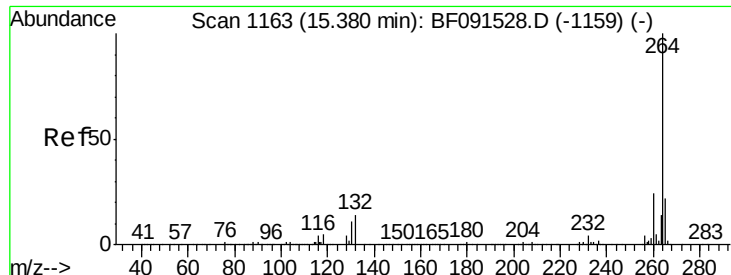


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.03 min
Lab File: BF091636.D
Acq: 15 Dec 2016 18:52

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	21.7	17.0	25.6

