

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121516\
 Data File : BF091658.D
 Acq On : 16 Dec 2016 6:33
 Operator : UM/SJ
 Sample : H6029-08
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01

Quant Time: Dec 16 07:31:21 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

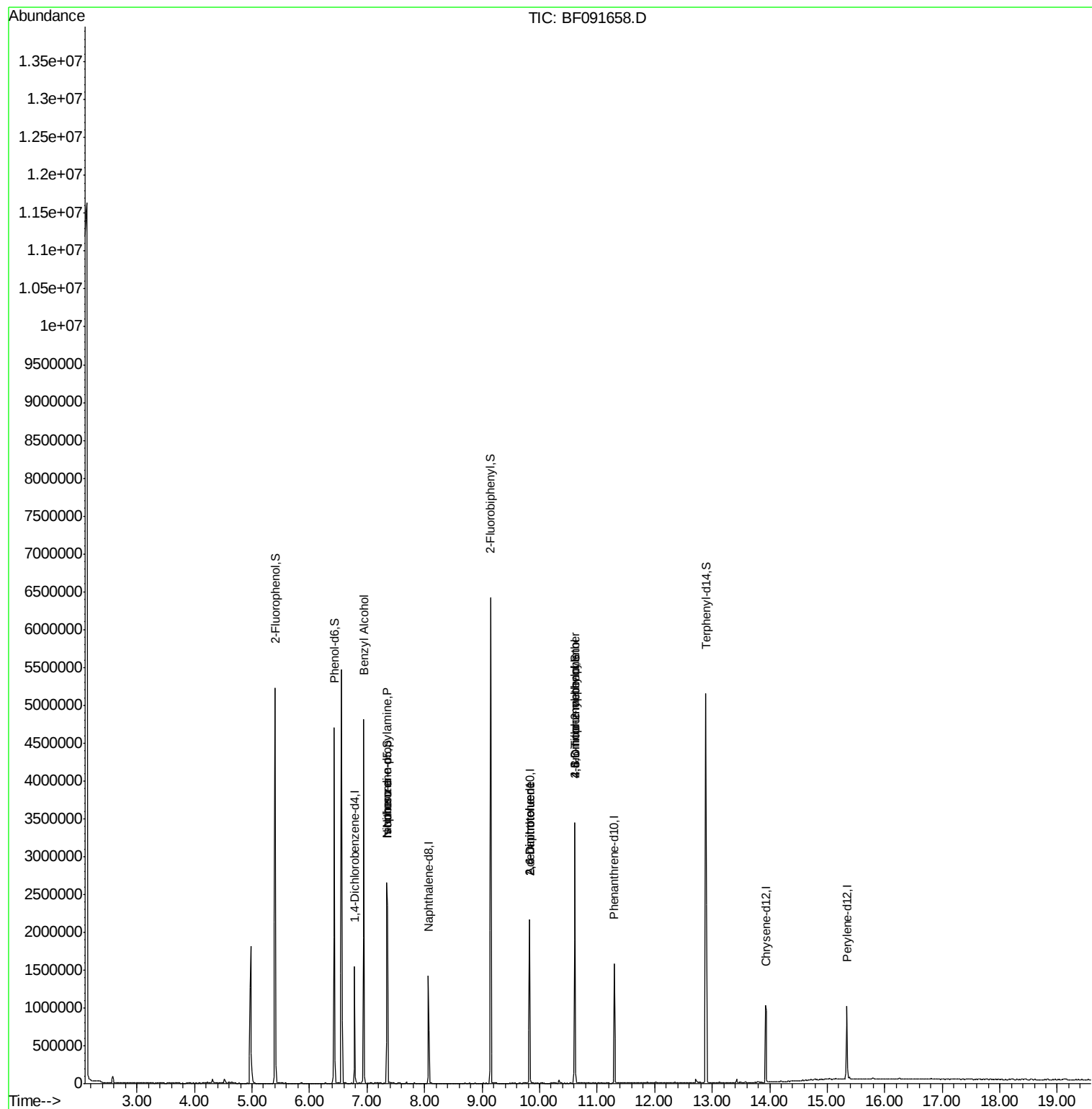
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	204381	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	754920	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	482782	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	615873	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	499520	20.00	ng	0.00
86) Perylene-d12	15.35	264	481271	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1407118	115.99	ng	0.02
7) Phenol-d6	6.43	99	1611140	106.53	ng	0.00
23) Nitrobenzene-d5	7.34	82	1348182	99.67	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	456503	113.84	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1992101	71.30	ng	0.00
78) Terphenyl-d14	12.89	244	1901609	86.38	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	6.94	79	24375	2.04	ng	# 31
19) n-Nitroso-di-n-propylamine	7.34	70	178128	18.84	ng	# 66
25) Isophorone	7.34	82	1210644	50.35	ng	# 67
50) 2,6-Dinitrotoluene	9.82	165	62466	9.31	ng	# 16
56) 2,4-Dinitrotoluene	9.82	165	62466	7.43	ng	# 33
57) Fluorene	10.36	166	2439	Below Cal		# 87
64) 4,6-Dinitro-2-methylphenol	10.61	198	1188	3.24	ng	# 2
66) 4-Bromophenyl-phenylether	10.61	248	30823	4.88	ng	# 1

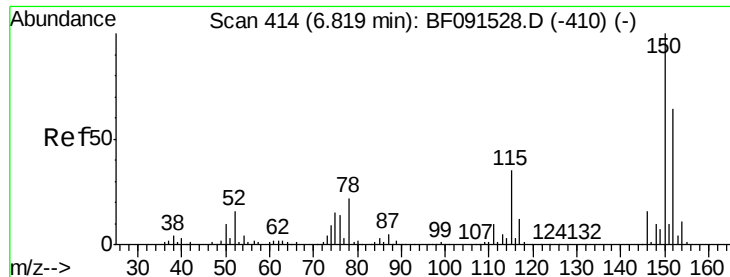
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF091658.D

Acq: 16 Dec 2016 6:33

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01

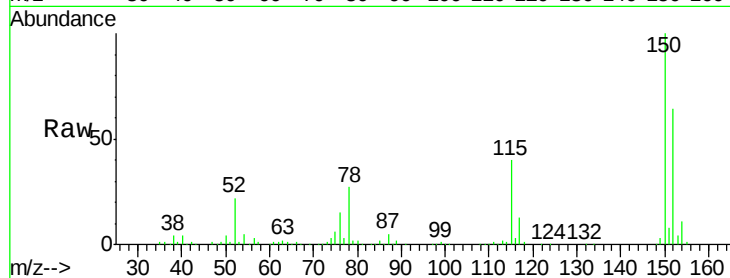
Tgt Ion:152 Resp: 204381

Ion Ratio Lower Upper

152 100

150 155.2 122.5 183.7

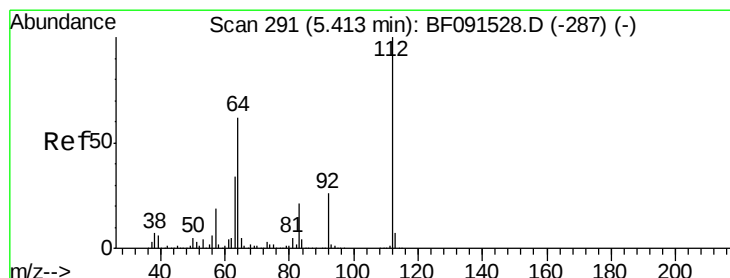
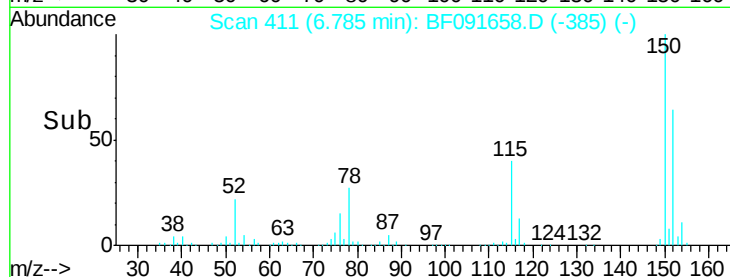
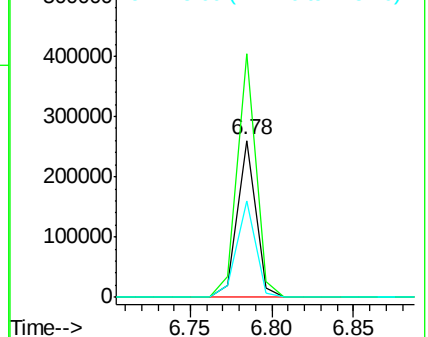
115 61.5 51.8 77.8



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: 115.99 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.02 min

Lab File: BF091658.D

Acq: 16 Dec 2016 6:33

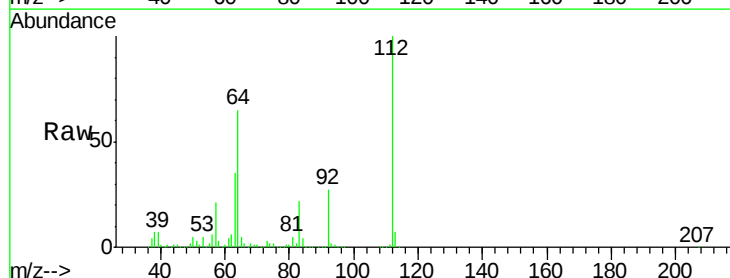
Tgt Ion:112 Resp: 1407118

Ion Ratio Lower Upper

112 100

64 65.3 61.5 92.3

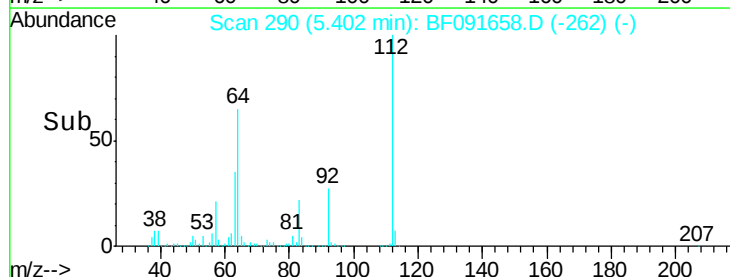
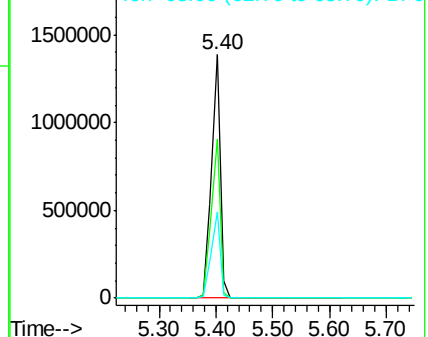
63 35.3 33.3 49.9



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





#7

Phenol-d6

Concen: 106.53 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF091658.D

Acq: 16 Dec 2016 6:33

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01

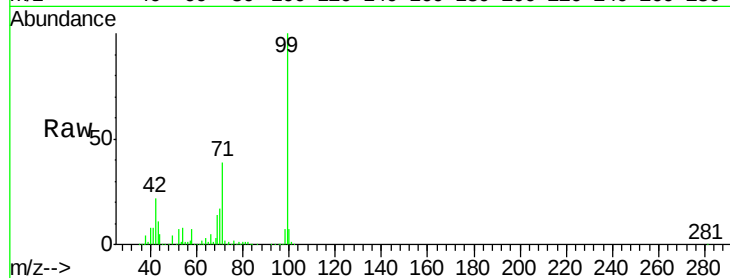
Tgt Ion: 99 Resp: 1611140

Ion Ratio Lower Upper

99 100

42 21.6 20.6 31.0

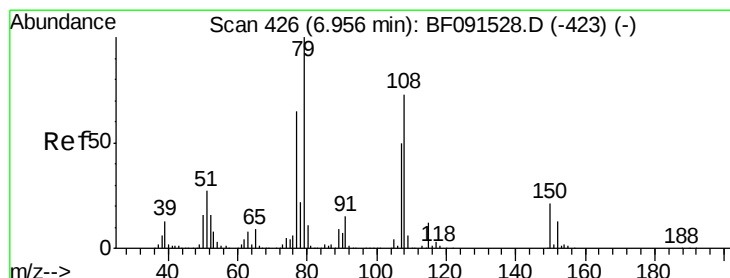
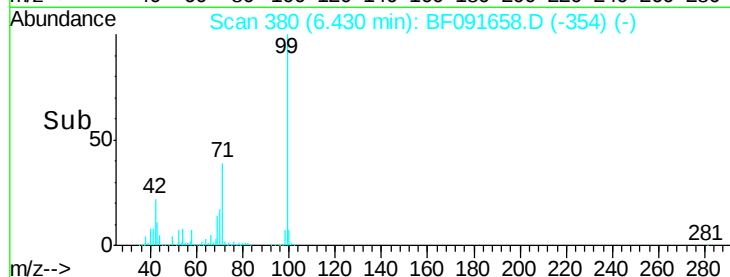
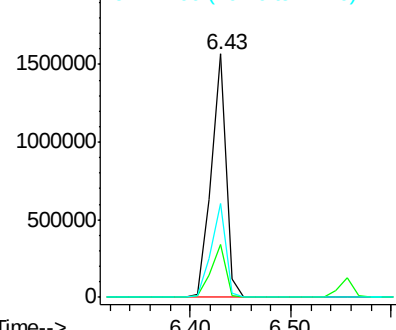
71 38.6 29.9 44.9



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



#15

Benzyl Alcohol

Concen: 2.04 ng

RT: 6.94 min Scan# 425

Delta R.T. 0.01 min

Lab File: BF091658.D

Acq: 16 Dec 2016 6:33

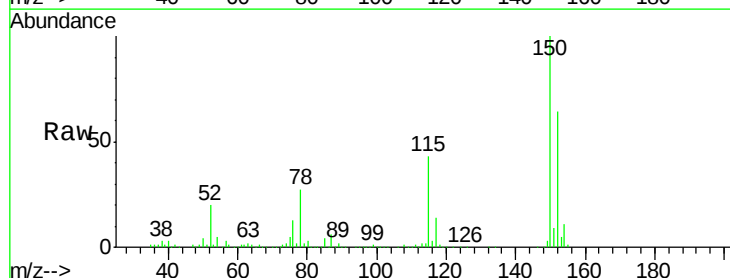
Tgt Ion: 79 Resp: 24375

Ion Ratio Lower Upper

79 100

108 29.0 62.7 94.1#

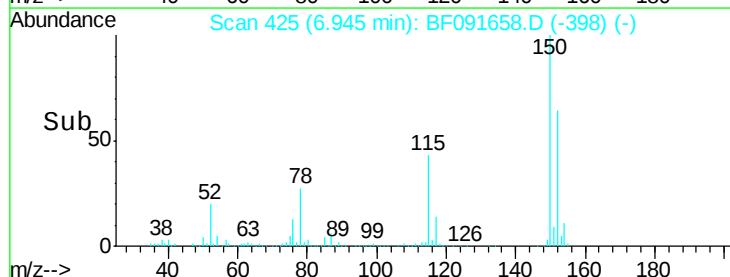
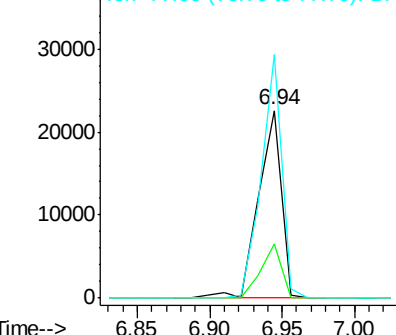
77 129.9 51.7 77.5#

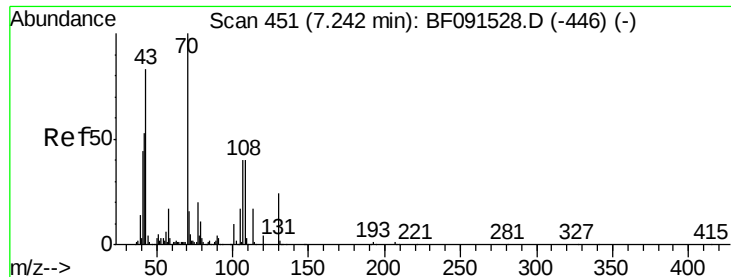


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 18.84 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.14 min

Lab File: BF091658.D

Acq: 16 Dec 2016 6:33

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01

Tgt Ion: 70 Resp: 178128

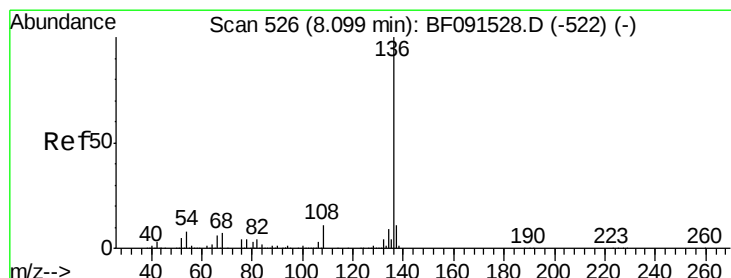
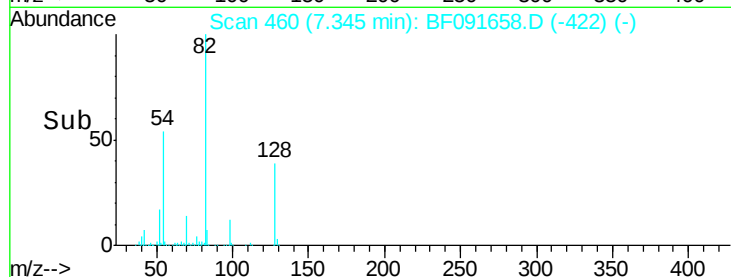
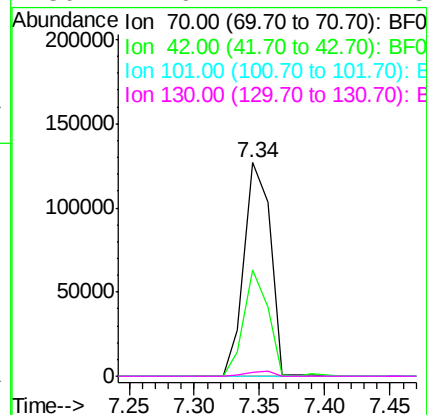
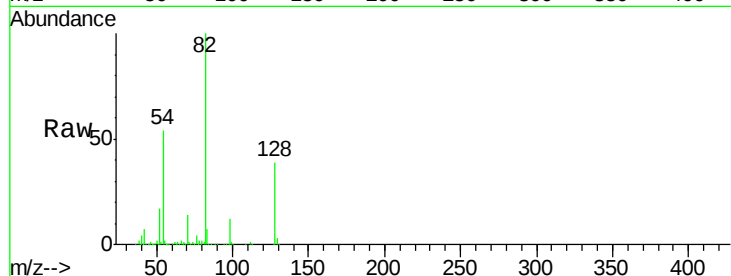
Ion Ratio Lower Upper

70 100

42 49.7 64.8 97.2#

101 0.0 6.2 9.4#

130 1.9 11.7 17.5#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF091658.D

Acq: 16 Dec 2016 6:33

Tgt Ion: 136 Resp: 754920

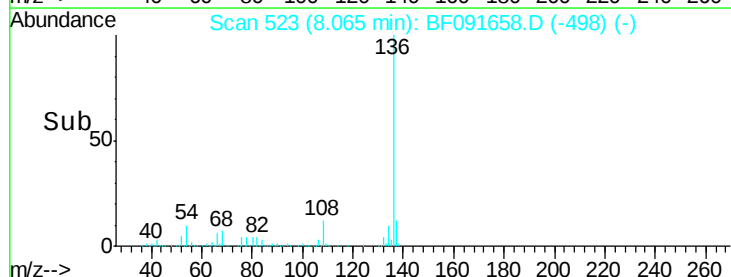
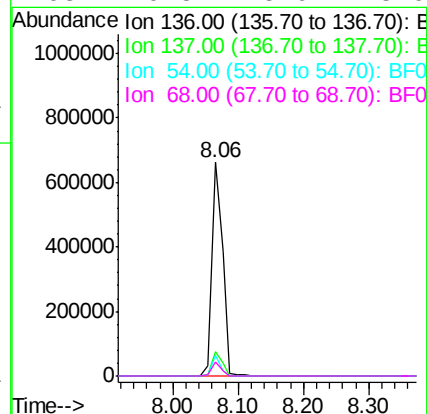
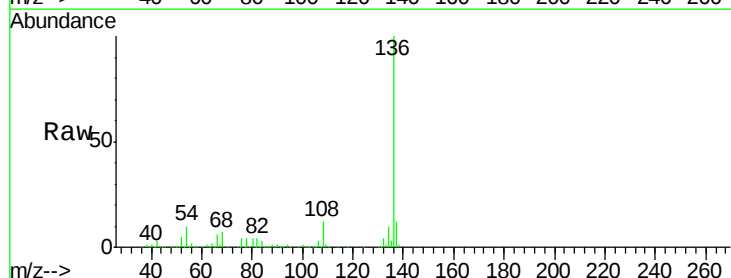
Ion Ratio Lower Upper

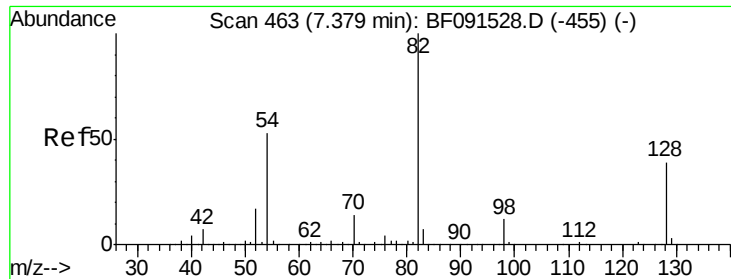
136 100

137 11.5 9.1 13.7

54 9.8 9.1 13.7

68 6.8 5.9 8.9

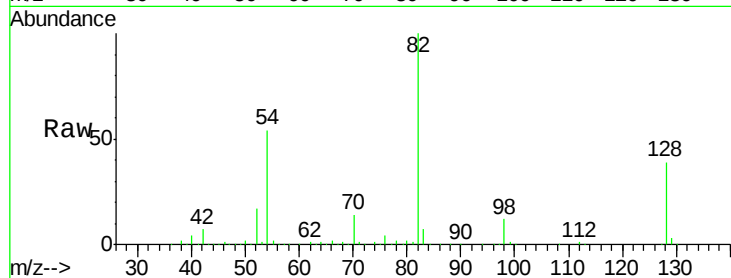




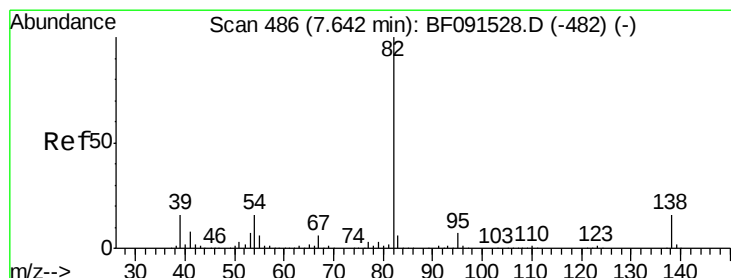
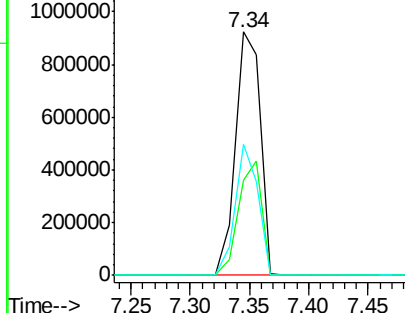
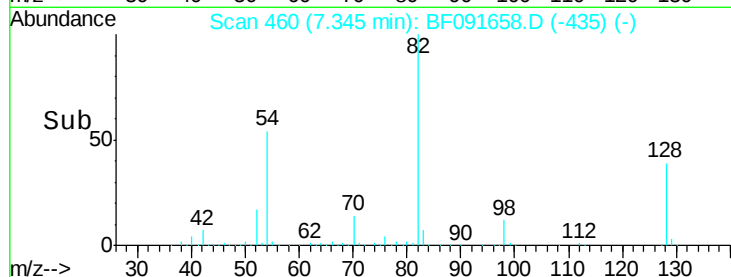
#23
Nitrobenzene-d5
Concen: 99.67 ng
RT: 7.34 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF091658.D
Acq: 16 Dec 2016 6:33

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01

Tgt Ion: 82 Resp: 1348182
Ion Ratio Lower Upper
82 100
128 39.1 31.8 47.6
54 53.8 49.1 73.7

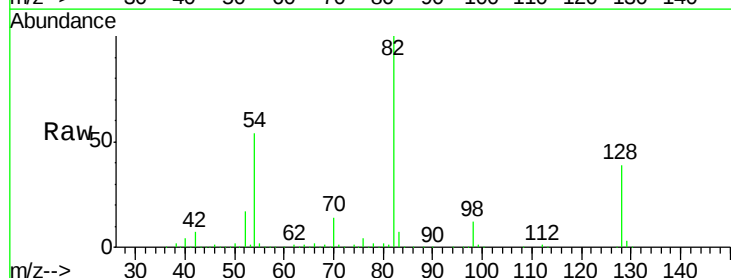


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

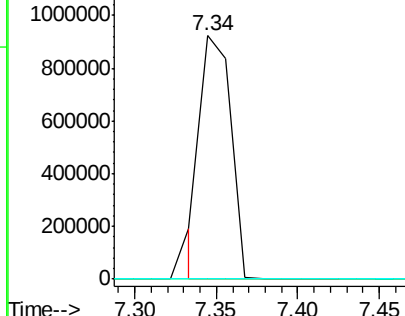
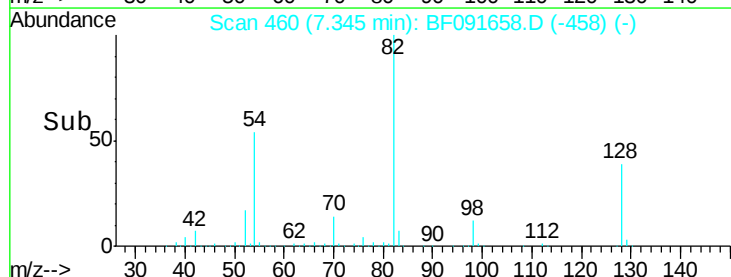


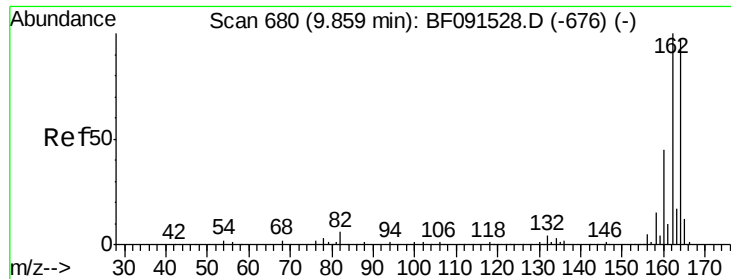
#25
Isophorone
Concen: 50.35 ng
RT: 7.34 min Scan# 460
Delta R.T. -0.27 min
Lab File: BF091658.D
Acq: 16 Dec 2016 6:33

Tgt Ion: 82 Resp: 1210644
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.4 20.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF091658.D

Acq: 16 Dec 2016 6:33

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01

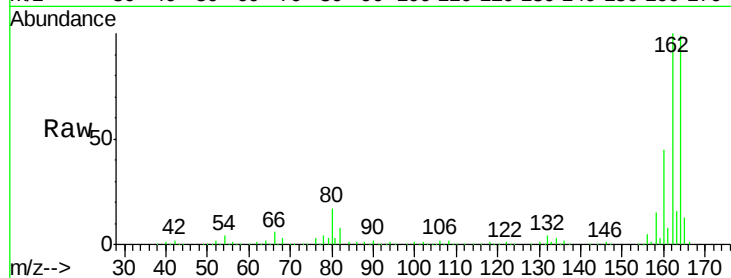
Tgt Ion:164 Resp: 482782

Ion Ratio Lower Upper

164 100

162 101.1 82.6 124.0

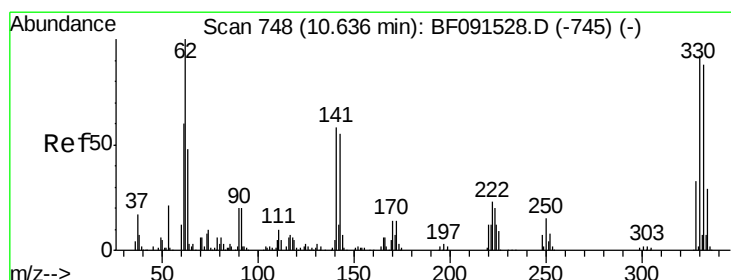
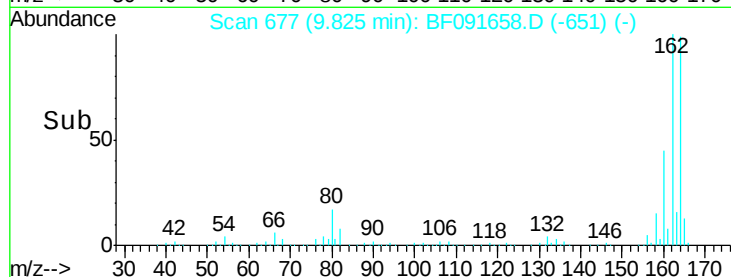
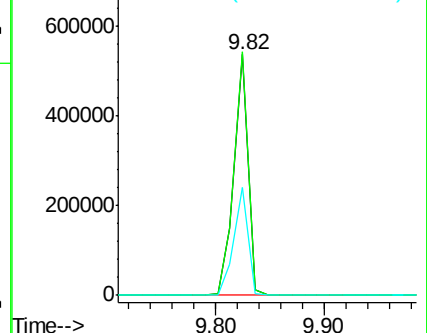
160 45.0 36.7 55.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 113.84 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF091658.D

Acq: 16 Dec 2016 6:33

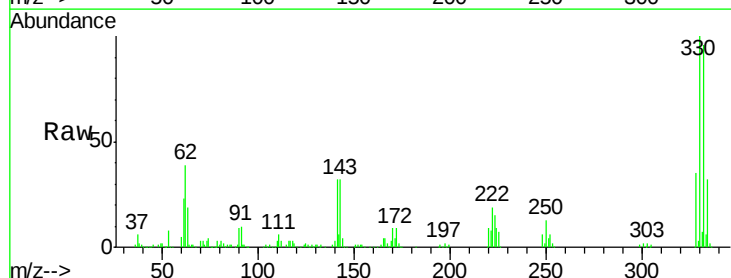
Tgt Ion:330 Resp: 456503

Ion Ratio Lower Upper

330 100

332 95.6 76.2 114.4

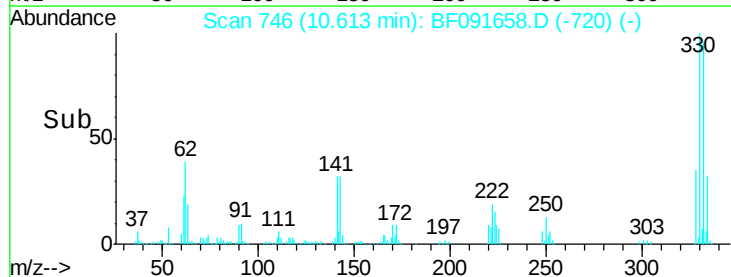
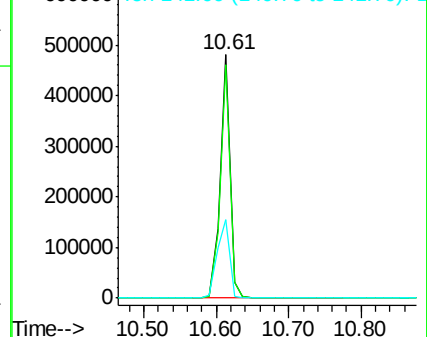
141 40.4 33.6 50.4

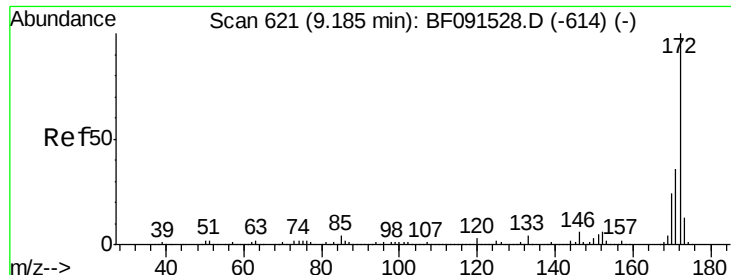


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

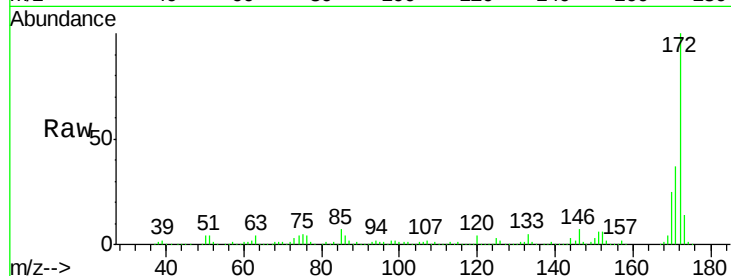




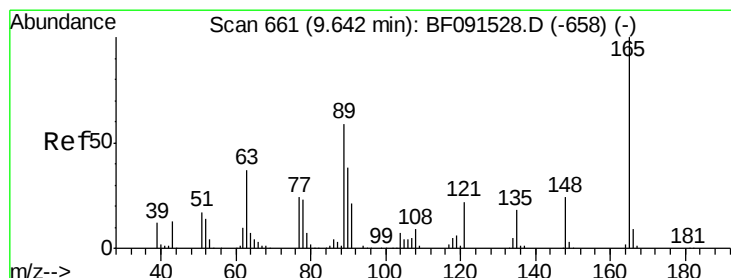
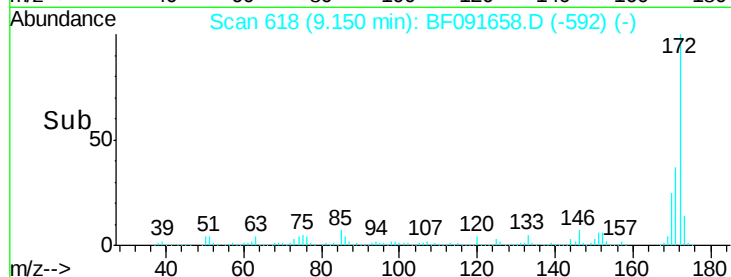
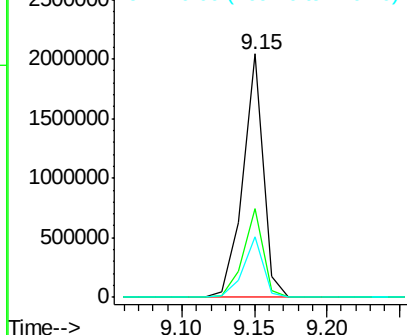
#44
 2-Fluorobiphenyl
 Concen: 71.30 ng
 RT: 9.15 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: BF091658.D
 Acq: 16 Dec 2016 6:33

Instrument :
 BNA_F
 ClientSampled :
 IDW-SOIL-01

Tgt Ion:172 Resp: 1992101
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.8 19.7 29.5

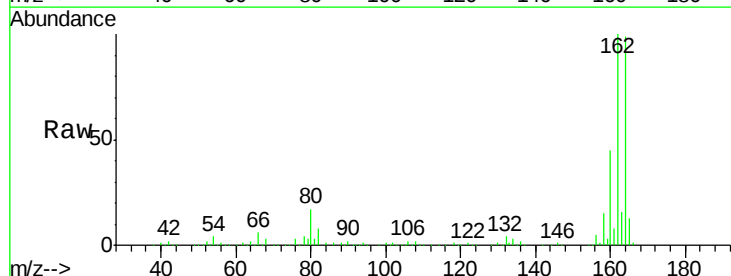


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

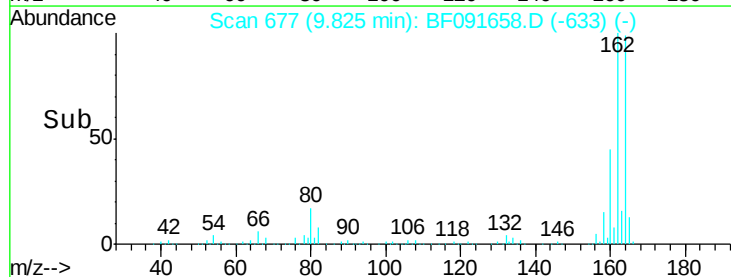
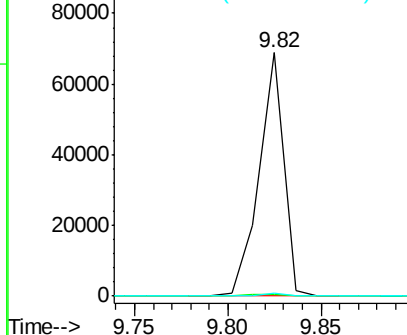


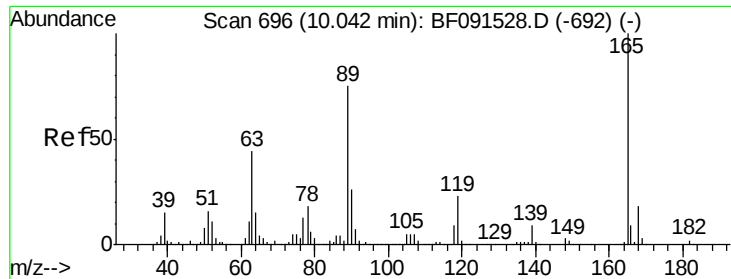
#50
 2,6-Dinitrotoluene
 Concen: 9.31 ng
 RT: 9.82 min Scan# 677
 Delta R.T. 0.21 min
 Lab File: BF091658.D
 Acq: 16 Dec 2016 6:33

Tgt Ion:165 Resp: 62466
 Ion Ratio Lower Upper
 165 100
 63 1.0 59.4 89.0#
 89 1.0 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

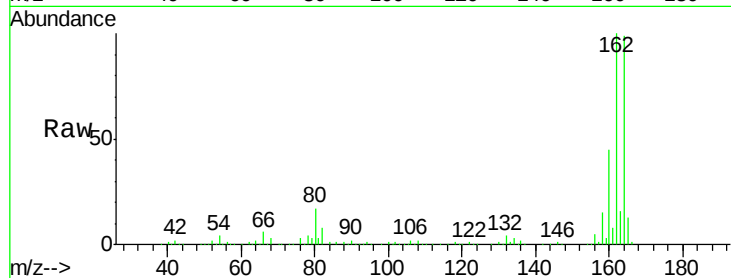




#56
2,4-Dinitrotoluene
Concen: 7.43 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.19 min
Lab File: BF091658.D
Acq: 16 Dec 2016 6:33

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	29.0	43.4#
89	1.0	43.1	64.7#
182	0.0	1.9	2.9#



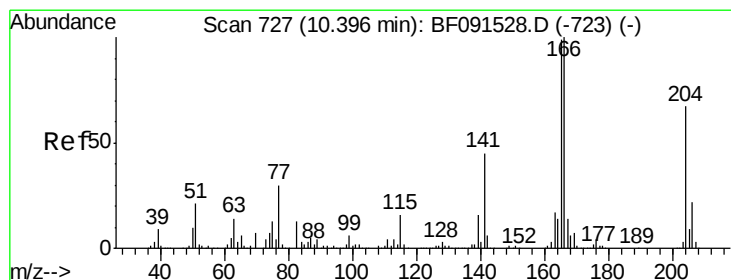
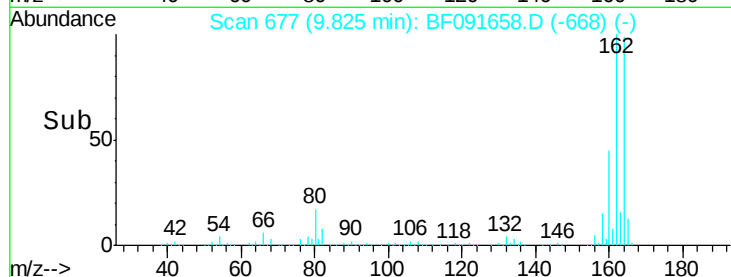
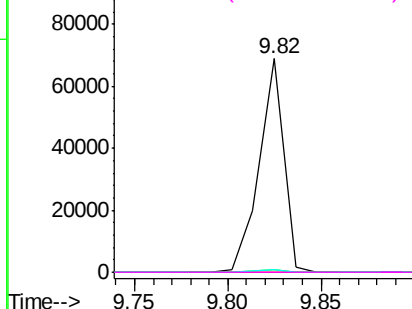
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

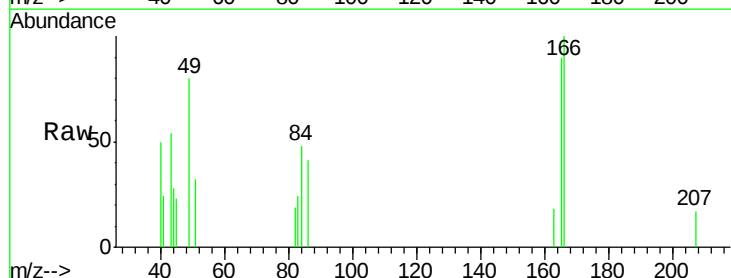
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: Below Cal
RT: 10.36 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF091658.D
Acq: 16 Dec 2016 6:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.8	80.0	120.0
167	0.0	10.8	16.2#

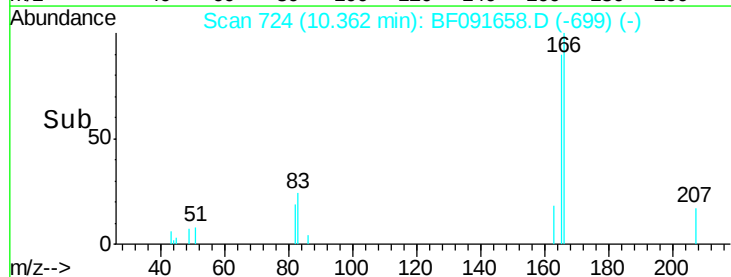
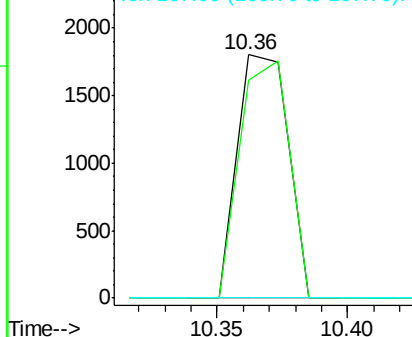


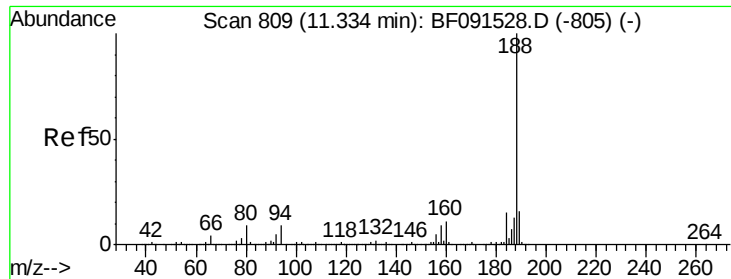
Abundance

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

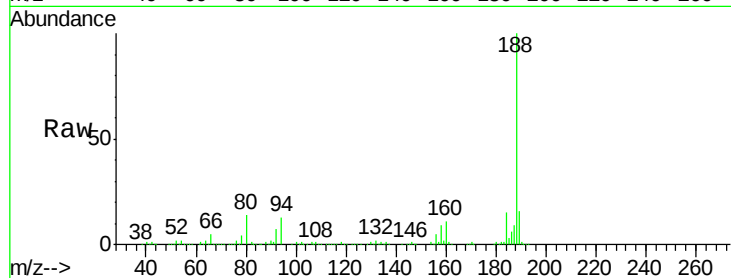




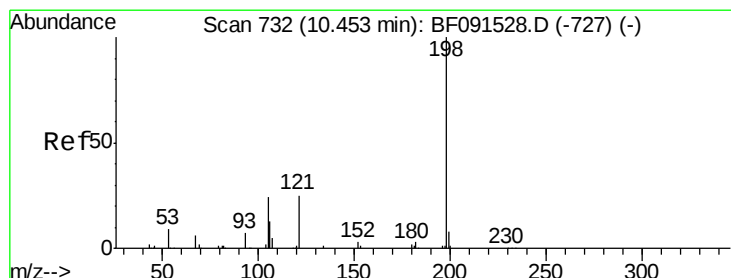
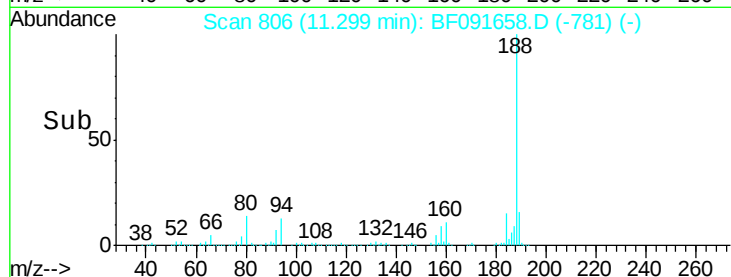
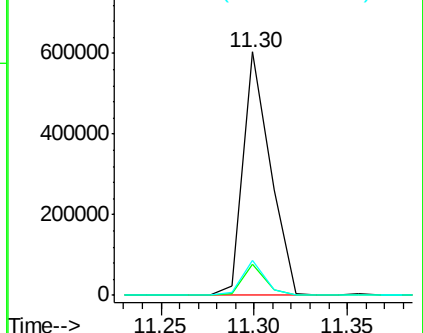
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF091658.D
Acq: 16 Dec 2016 6:33

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01

Tgt Ion:188 Resp: 615873
Ion Ratio Lower Upper
188 100
94 12.6 9.2 13.8
80 14.1 10.5 15.7

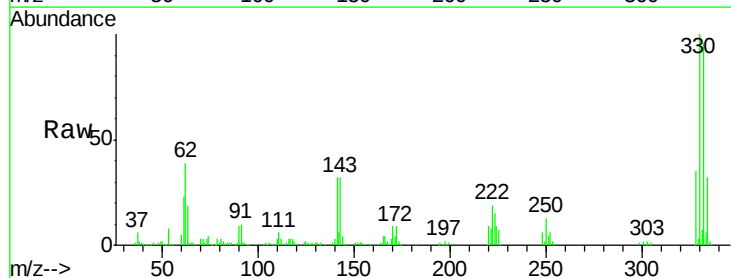


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

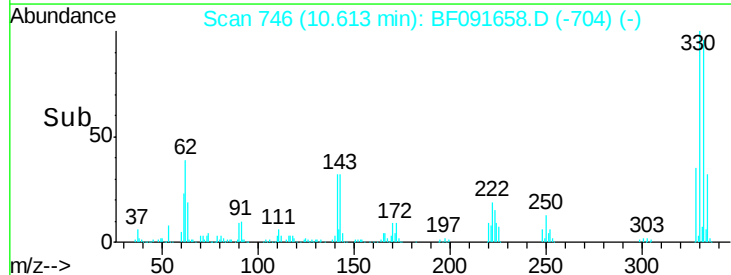
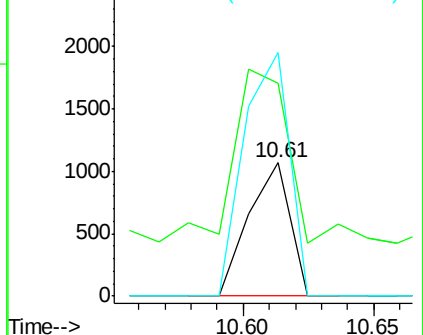


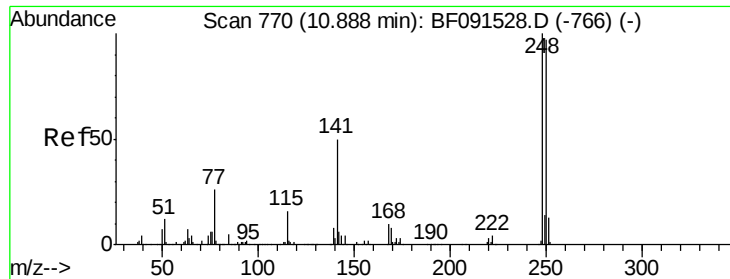
#64
4,6-Dinitro-2-methylphenol
Concen: 3.24 ng
RT: 10.61 min Scan# 746
Delta R.T. 0.18 min
Lab File: BF091658.D
Acq: 16 Dec 2016 6:33

Tgt Ion:198 Resp: 1188
Ion Ratio Lower Upper
198 100
51 159.3 77.1 117.1#
105 182.7 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

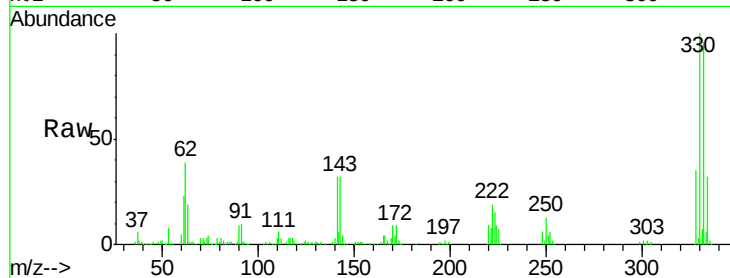




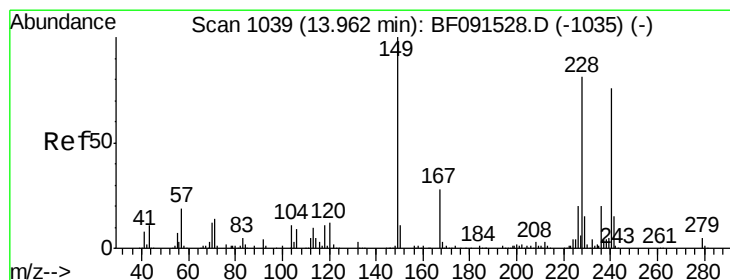
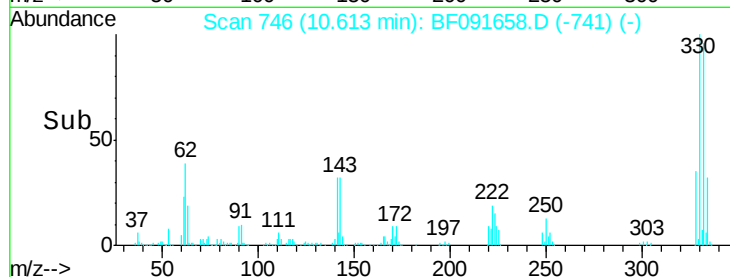
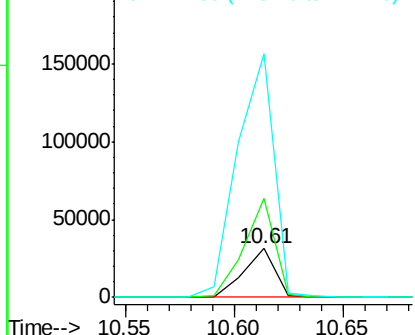
#66
4-Bromophenyl-phenylether
Concen: 4.88 ng
RT: 10.61 min Scan# 746
Delta R.T. -0.24 min
Lab File: BF091658.D
Acq: 16 Dec 2016 6:33

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01

Tgt Ion:248 Resp: 30823
Ion Ratio Lower Upper
248 100
250 202.7 78.2 117.4#
141 500.2 71.9 107.9#

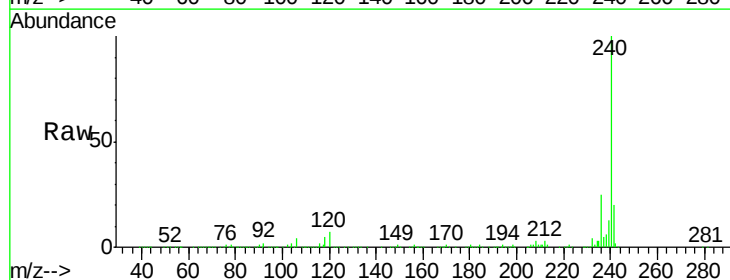


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

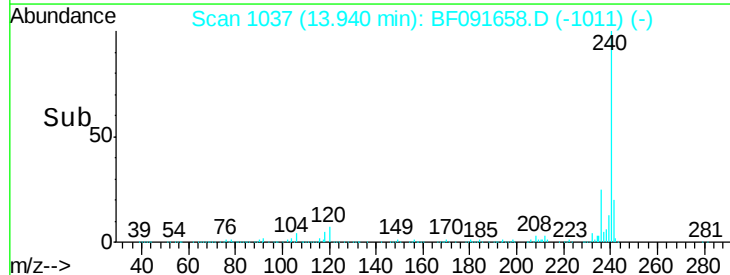
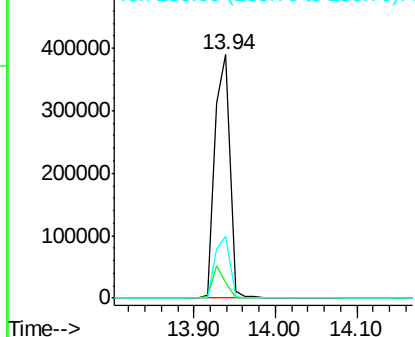


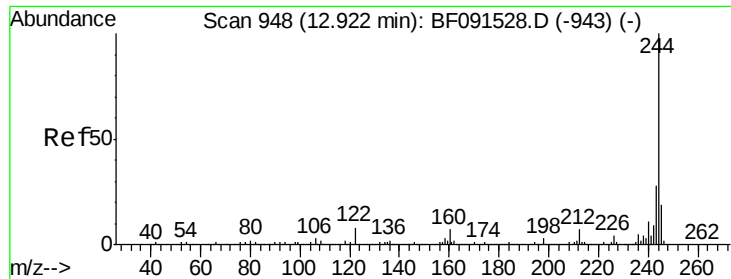
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.94 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BF091658.D
Acq: 16 Dec 2016 6:33

Tgt Ion:240 Resp: 499520
Ion Ratio Lower Upper
240 100
120 6.7 12.1 18.1#
236 25.3 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: 86.38 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF091658.D

Acq: 16 Dec 2016 6:33

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01

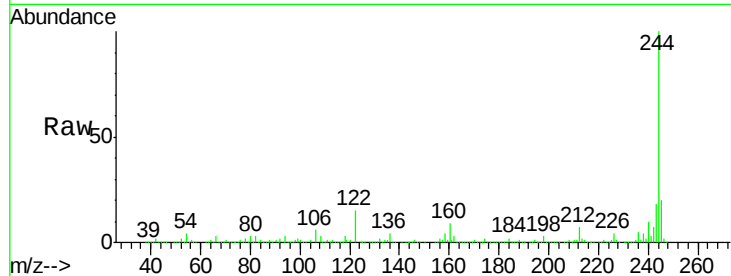
Tgt Ion:244 Resp: 1901609

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

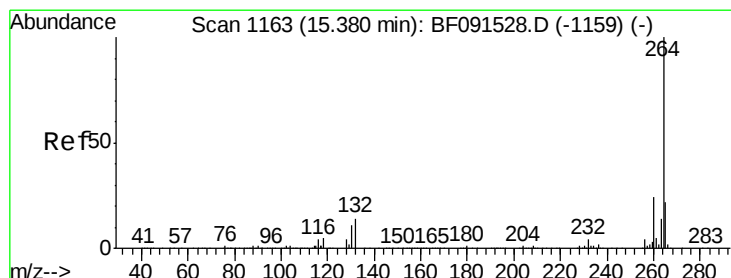
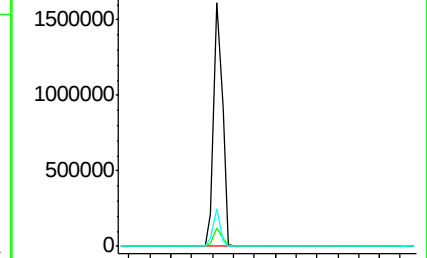
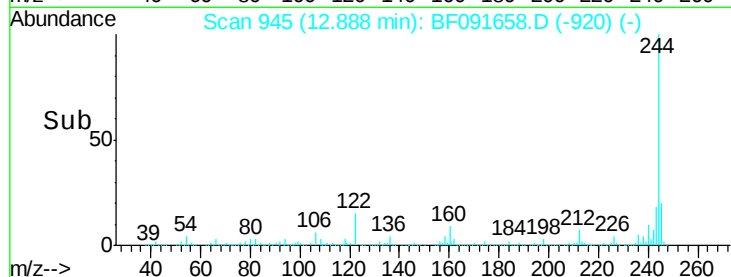
122 15.4 9.5 14.3#



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. 0.00 min

Lab File: BF091658.D

Acq: 16 Dec 2016 6:33

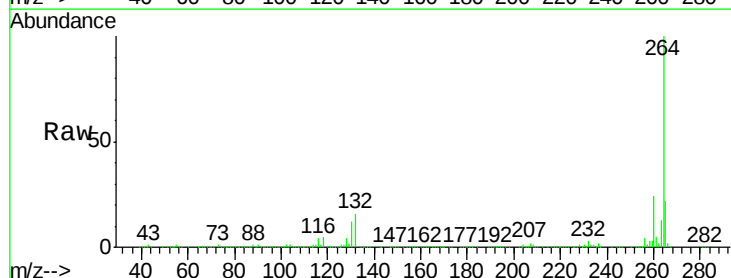
Tgt Ion:264 Resp: 481271

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 21.6 17.0 25.6



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

