

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
 Data File : BF091048.D
 Acq On : 5 Nov 2016 3:58
 Operator : UM/SJ
 Sample : H5512-01
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NCC61-TOPSOIL

Quant Time: Nov 05 03:52:10 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 11:03:12 2016
 Response via : Initial Calibration

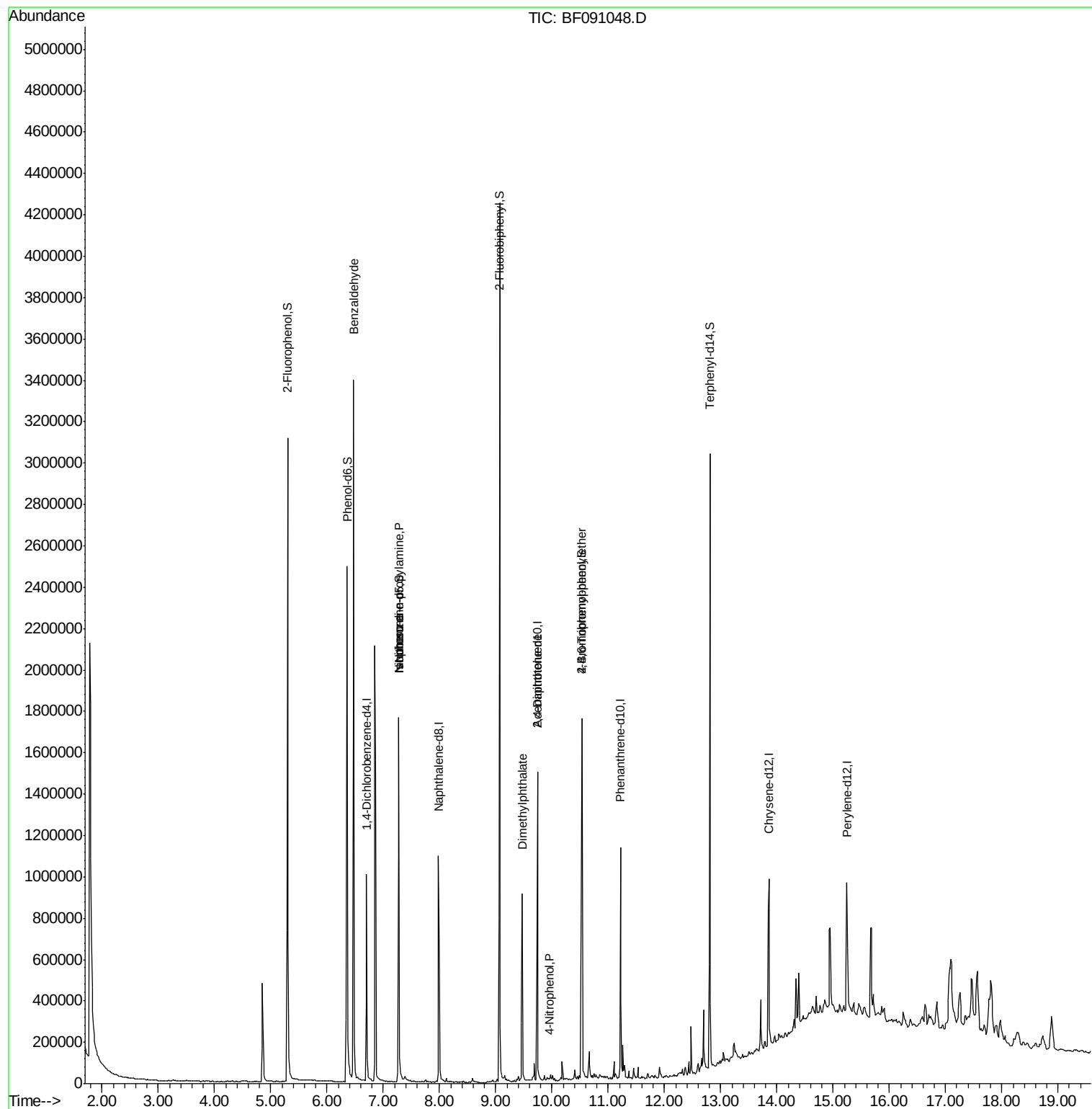
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	182201	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	676482	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	337171	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	428687	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	378545	20.00	ng	0.00
86) Perylene-d12	15.24	264	282686	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	994379	90.13	ng	0.01
7) Phenol-d6	6.36	99	1436268	95.92	ng	0.01
23) Nitrobenzene-d5	7.28	82	825752	66.59	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	255273	83.74	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1245929	63.62	ng	0.00
78) Terphenyl-d14	12.81	244	886990	58.47	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.48	77	25242	3.04	ng	92
19) n-Nitroso-di-n-propylamine	7.28	70	109958	10.60	ng	# 72
25) Isophorone	7.28	82	793552	33.21	ng	# 67
49) Dimethylphthalate	9.47	163	382950	17.32	ng	98
55) 4-Nitrophenol	9.95	139	206	5.78	ng	# 1
56) 2,4-Dinitrotoluene	9.74	165	43400	7.20	ng	# 26
66) 4-Bromophenyl-phenylether	10.53	248	16134	3.62	ng	# 1

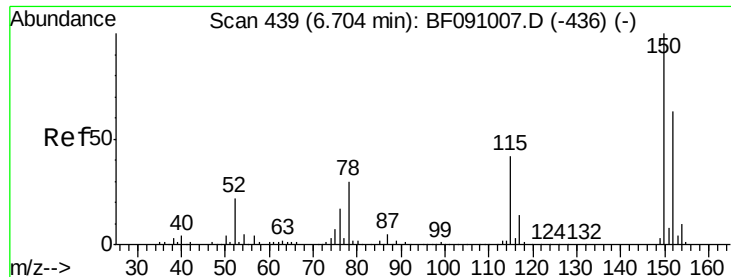
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF091048.D

Acq: 5 Nov 2016 3:58

Instrument :

BNA_F

ClientSampleId :

NCC61-TOPSOIL

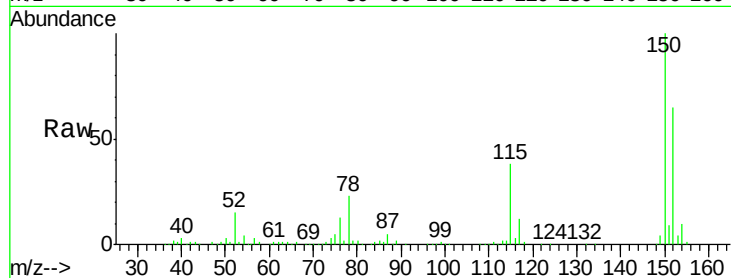
Tgt Ion:152 Resp: 182201

Ion Ratio Lower Upper

152 100

150 154.1 126.8 190.2

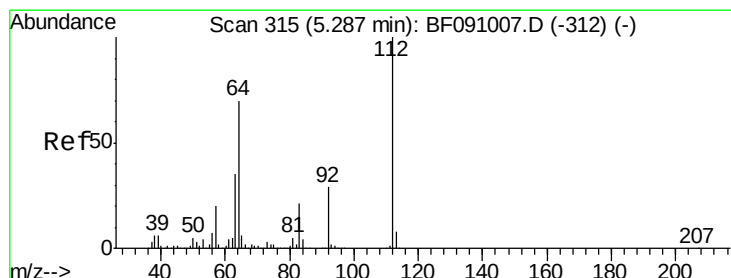
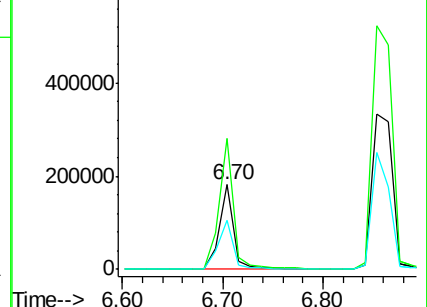
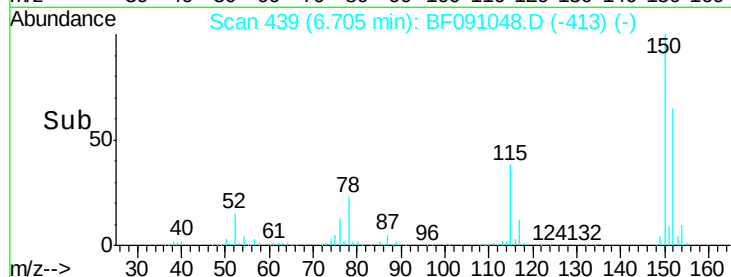
115 58.4 53.3 79.9



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: 90.13 ng

RT: 5.30 min Scan# 316

Delta R.T. 0.01 min

Lab File: BF091048.D

Acq: 5 Nov 2016 3:58

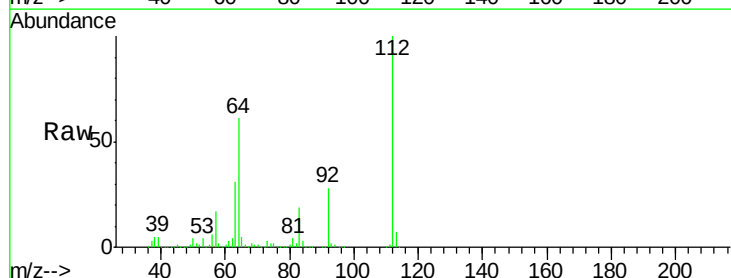
Tgt Ion:112 Resp: 994379

Ion Ratio Lower Upper

112 100

64 60.8 55.8 83.6

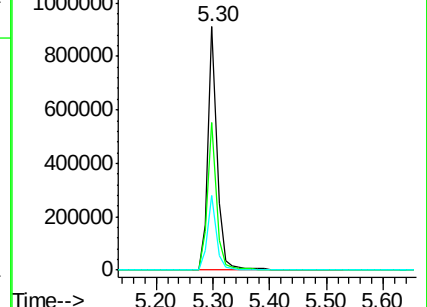
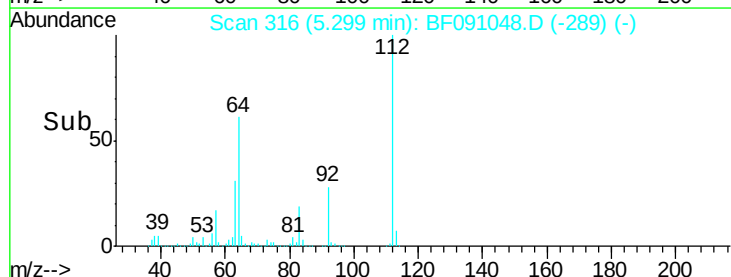
63 30.6 28.0 42.0

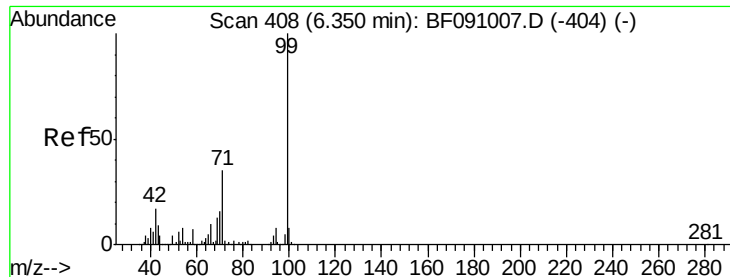


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 95.92 ng

RT: 6.36 min Scan# 409

Delta R.T. 0.01 min

Lab File: BF091048.D

Acq: 5 Nov 2016 3:58

Instrument :

BNA_F

ClientSampled :

NCC61-TOPSOIL

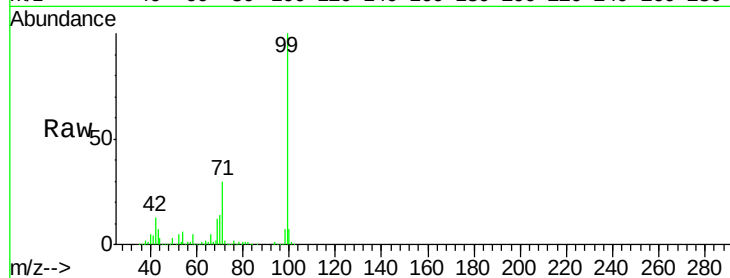
Tgt Ion: 99 Resp: 1436268

Ion Ratio Lower Upper

99 100

42 12.5 13.9 20.9#

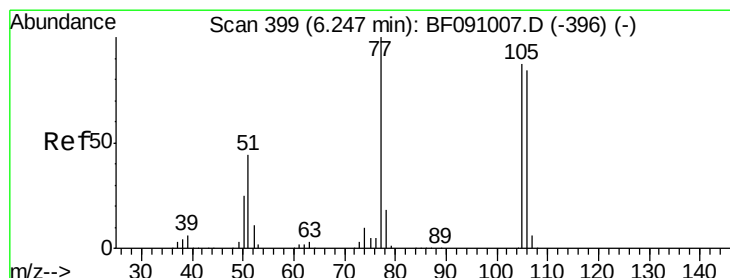
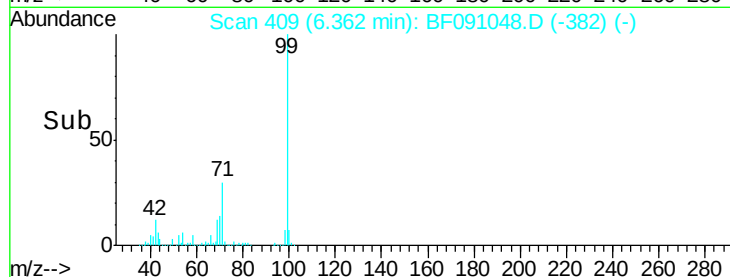
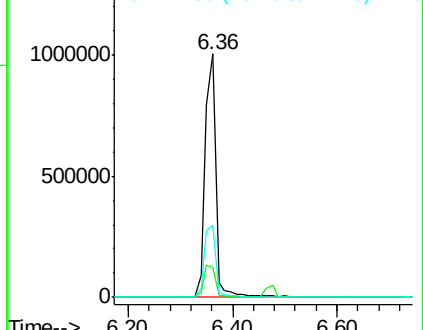
71 29.8 27.8 41.8



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



#9

Benzaldehyde

Concen: 3.04 ng

RT: 6.48 min Scan# 419

Delta R.T. 0.23 min

Lab File: BF091048.D

Acq: 5 Nov 2016 3:58

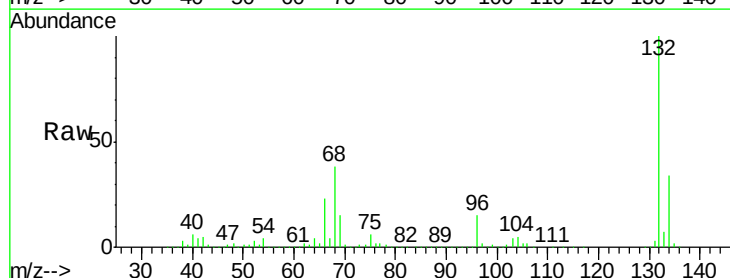
Tgt Ion: 77 Resp: 25242

Ion Ratio Lower Upper

77 100

105 81.4 66.8 106.8

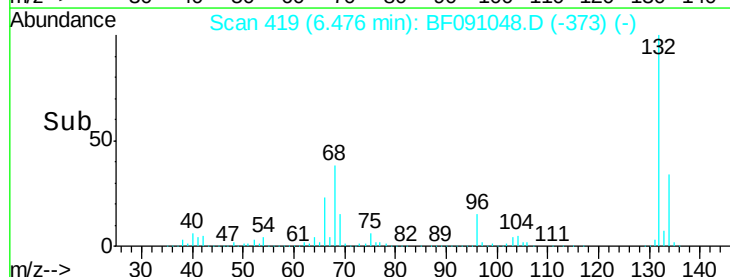
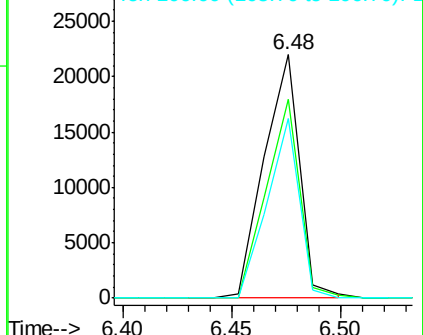
106 73.9 64.0 104.0

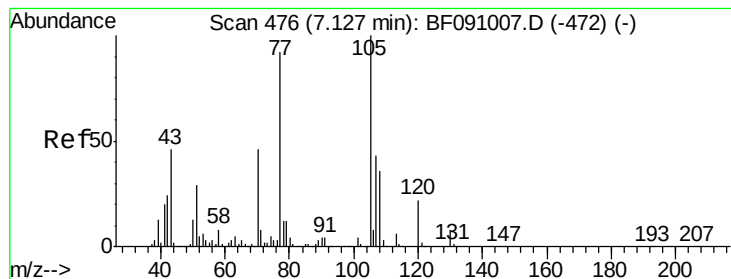


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 10.60 ng

RT: 7.28 min Scan# 489

Delta R.T. 0.15 min

Lab File: BF091048.D

Acq: 5 Nov 2016 3:58

Instrument :

BNA_F

ClientSampleId :

NCC61-TOPSOIL

Tgt Ion: 70 Resp: 109958

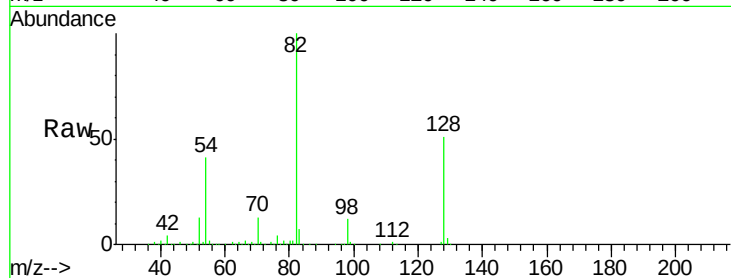
Ion Ratio Lower Upper

70 100

42 33.2 41.7 62.5#

101 0.0 6.7 10.1#

130 2.6 13.8 20.8#

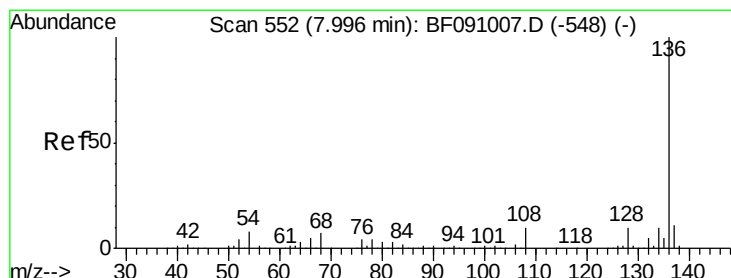
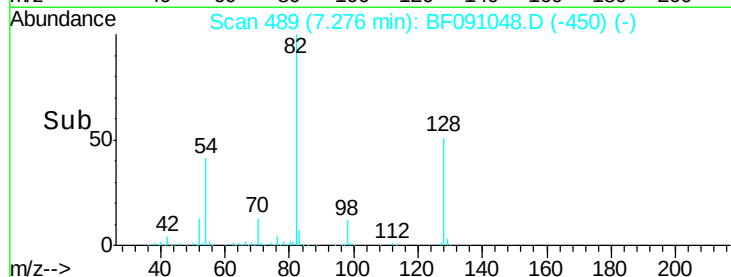
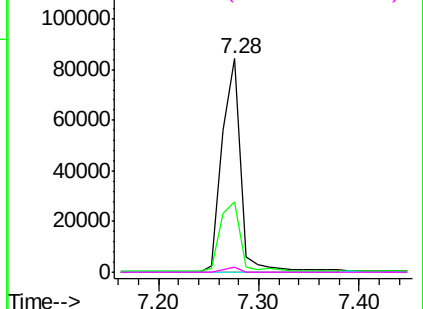


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF091048.D

Acq: 5 Nov 2016 3:58

Tgt Ion: 136 Resp: 676482

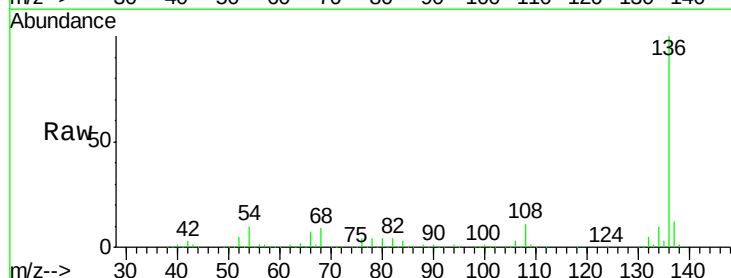
Ion Ratio Lower Upper

136 100

137 11.7 8.9 13.3

54 10.2 6.2 9.2#

68 8.9 5.5 8.3#

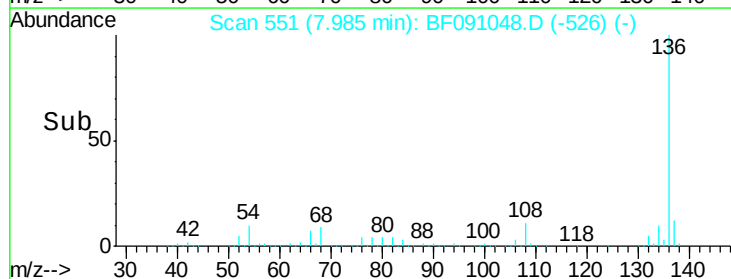
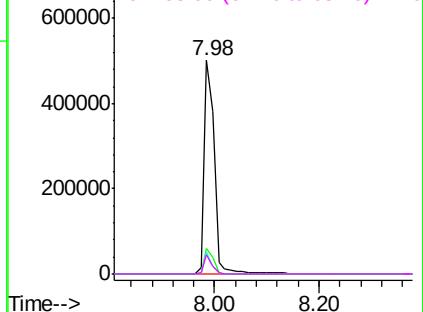


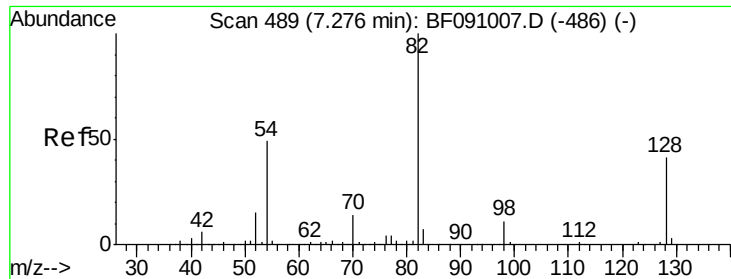
Abundance Ion 136.00 (135.70 to 136.70): E

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

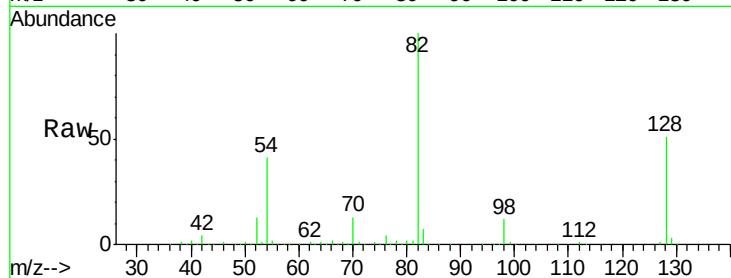




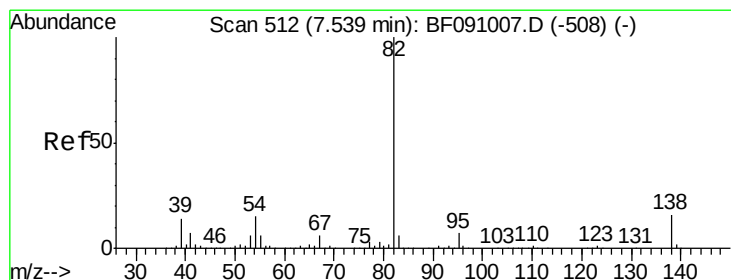
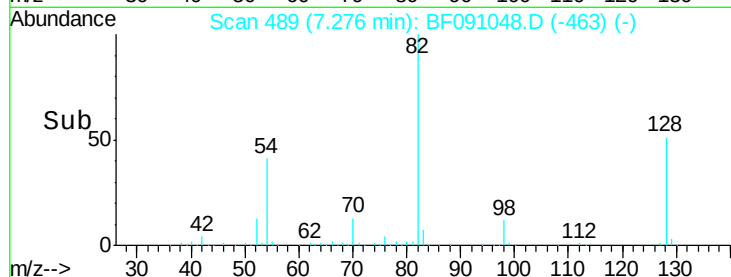
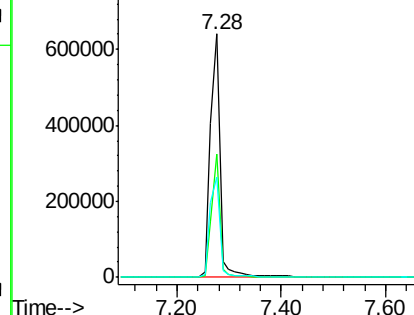
#23
 Nitrobenzene-d5
 Concen: 66.59 ng
 RT: 7.28 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: BF091048.D
 Acq: 5 Nov 2016 3:58

Instrument :
 BNA_F
 ClientSampleId :
 NCC61-TOPSOIL

Tgt Ion: 82 Resp: 825752
 Ion Ratio Lower Upper
 82 100
 128 50.8 32.4 48.6#
 54 41.1 39.2 58.8

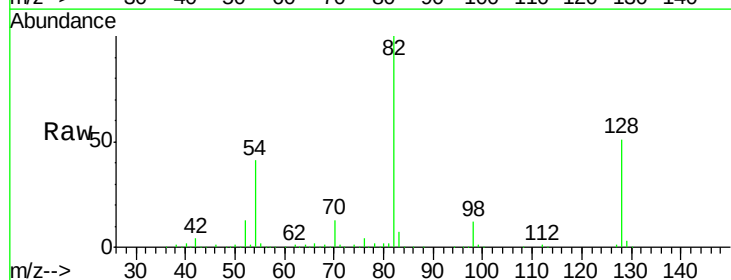


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

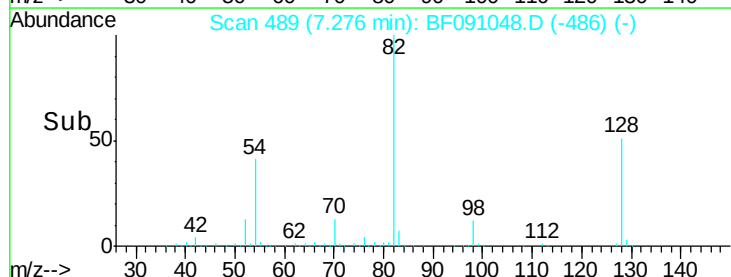
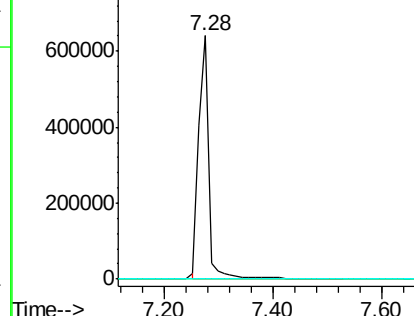


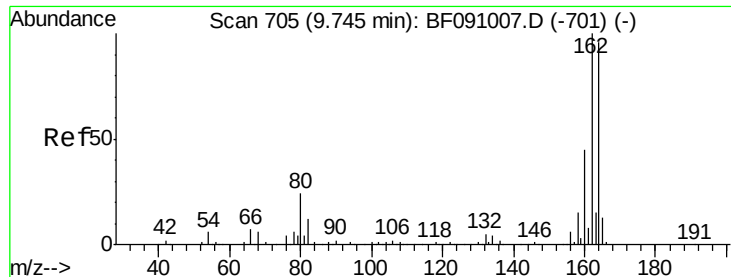
#25
 Isophorone
 Concen: 33.21 ng
 RT: 7.28 min Scan# 489
 Delta R.T. -0.26 min
 Lab File: BF091048.D
 Acq: 5 Nov 2016 3:58

Tgt Ion: 82 Resp: 793552
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.0#
 138 0.0 13.0 19.4#



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: 9.74 min Scan# 705

Delta R.T. 0.00 min

Lab File: BF091048.D

Acq: 5 Nov 2016 3:58

Instrument :

BNA_F

ClientSampleId :

NCC61-TOPSOIL

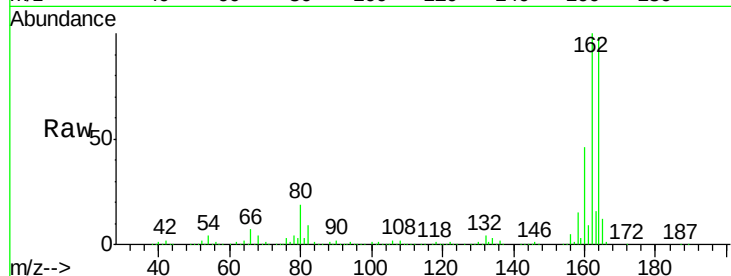
Tgt Ion:164 Resp: 337171

Ion Ratio Lower Upper

164 100

162 101.7 83.6 125.4

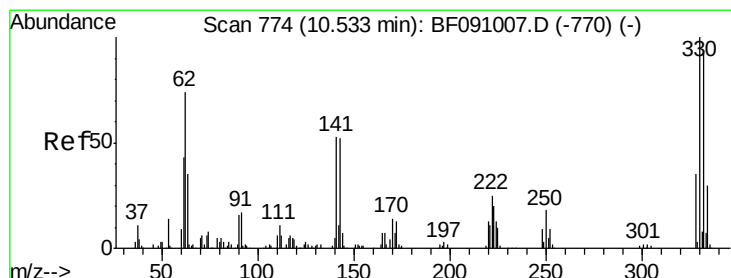
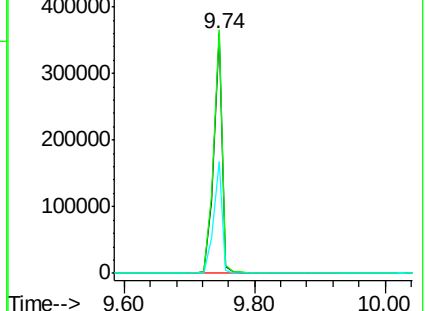
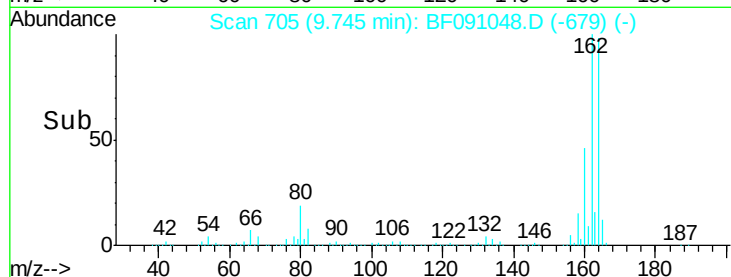
160 46.8 37.9 56.9



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: 83.74 ng

RT: 10.53 min Scan# 774

Delta R.T. 0.00 min

Lab File: BF091048.D

Acq: 5 Nov 2016 3:58

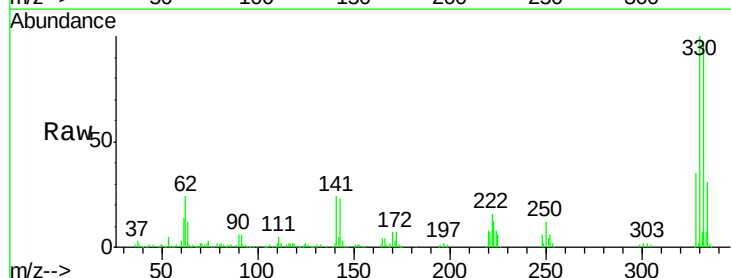
Tgt Ion:330 Resp: 255273

Ion Ratio Lower Upper

330 100

332 96.3 75.9 113.9

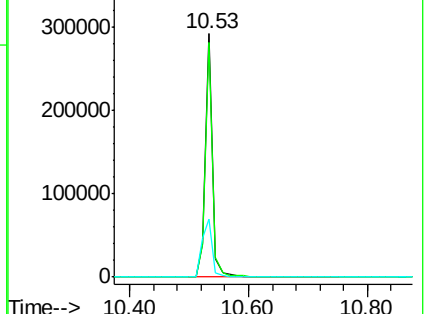
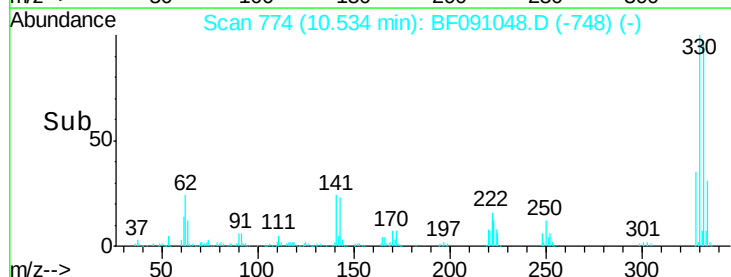
141 34.1 36.1 54.1#

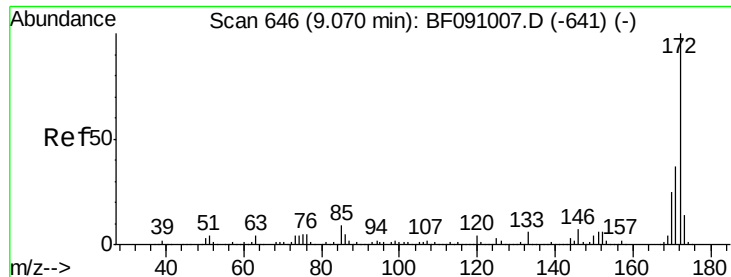


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

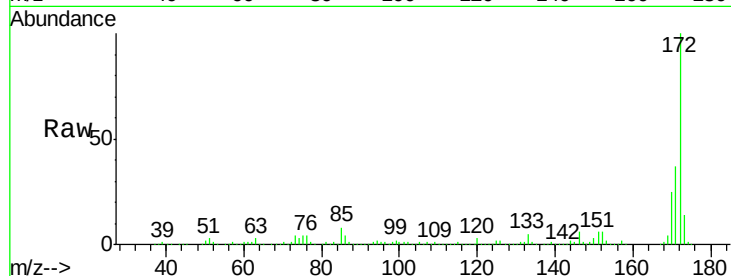




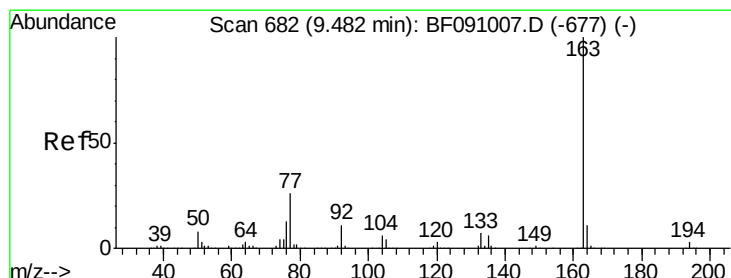
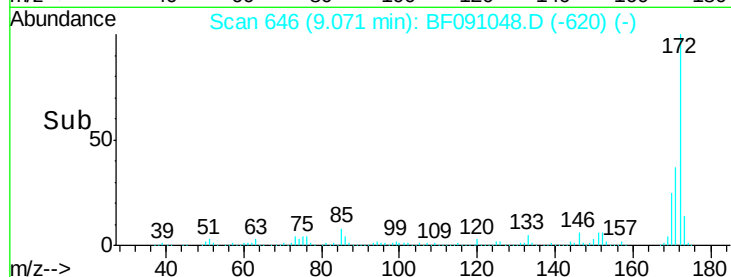
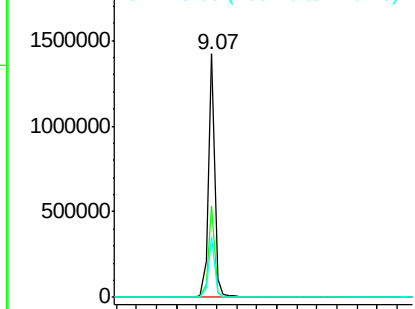
#44
 2-Fluorobiphenyl
 Concen: 63.62 ng
 RT: 9.07 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF091048.D
 Acq: 5 Nov 2016 3:58

Instrument :
 BNA_F
 ClientSampleId :
 NCC61-TOPSOIL

Tgt Ion:172 Resp: 1245929
 Ion Ratio Lower Upper
 172 100
 171 37.3 29.8 44.6
 170 25.1 20.3 30.5

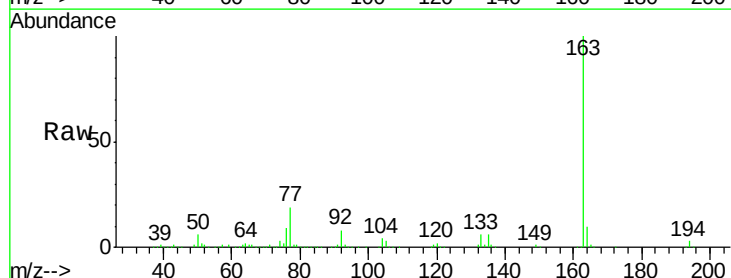


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

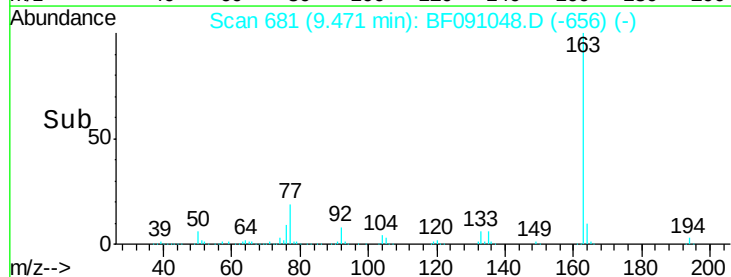
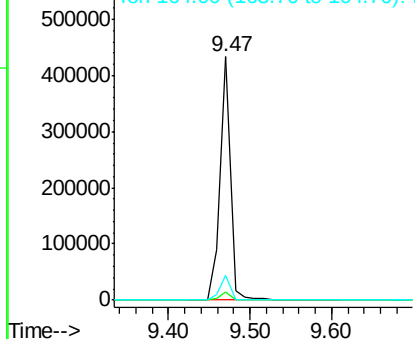


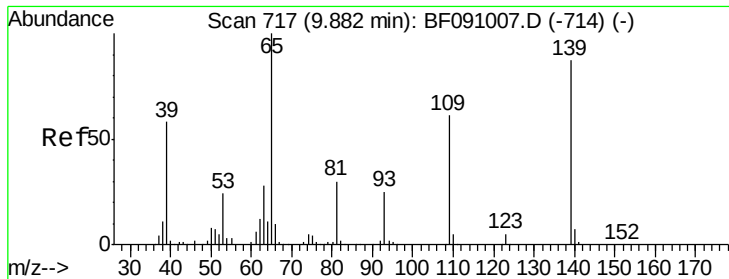
#49
 Dimethylphthalate
 Concen: 17.32 ng
 RT: 9.47 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF091048.D
 Acq: 5 Nov 2016 3:58

Tgt Ion:163 Resp: 382950
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.6 4.0
 164 9.9 8.7 13.1



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





#55

4-Nitrophenol

Concen: 5.78 ng

RT: 9.95 min Scan# 723

Delta R.T. 0.07 min

Lab File: BF091048.D

Acq: 5 Nov 2016 3:58

Instrument :

BNA_F

ClientSampleId :

NCC61-TOPSOIL

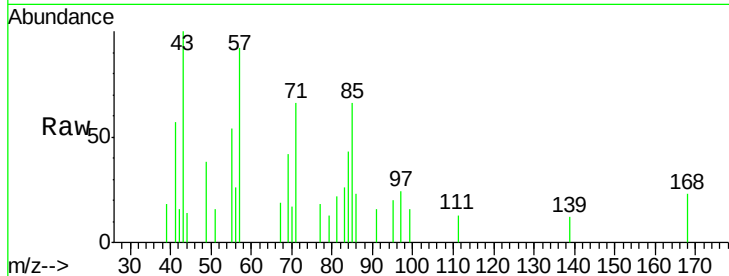
Tgt Ion:139 Resp: 206

Ion Ratio Lower Upper

139 100

109 0.0 50.5 90.5#

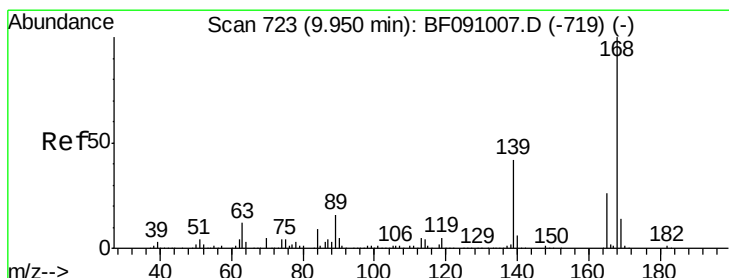
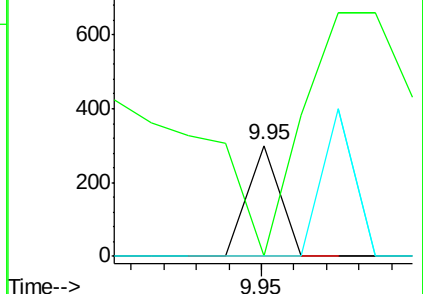
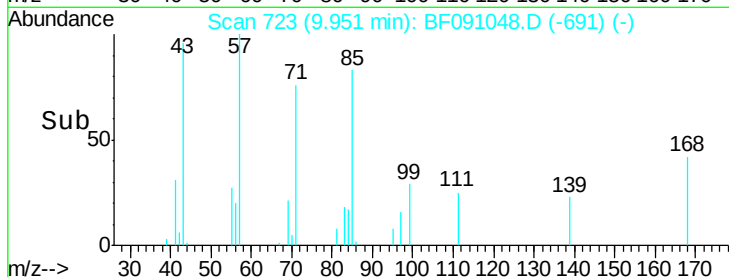
65 0.0 97.1 137.1#



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: 7.20 ng

RT: 9.74 min Scan# 705

Delta R.T. -0.21 min

Lab File: BF091048.D

Acq: 5 Nov 2016 3:58

Tgt Ion:165 Resp: 43400

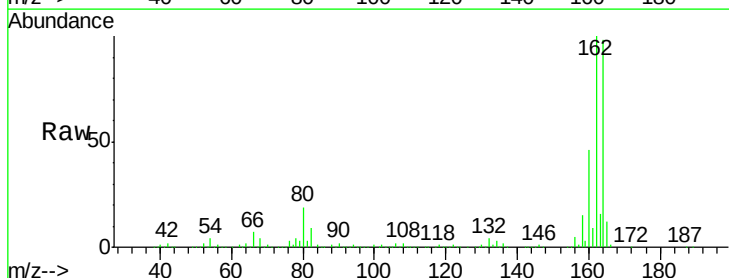
Ion Ratio Lower Upper

165 100

63 1.0 38.7 58.1#

89 1.0 50.6 76.0#

182 0.0 1.8 2.8#

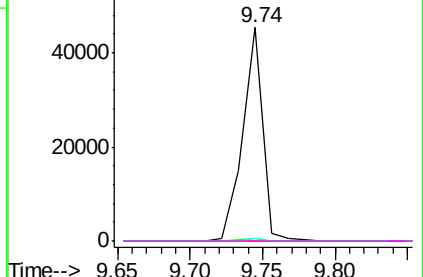
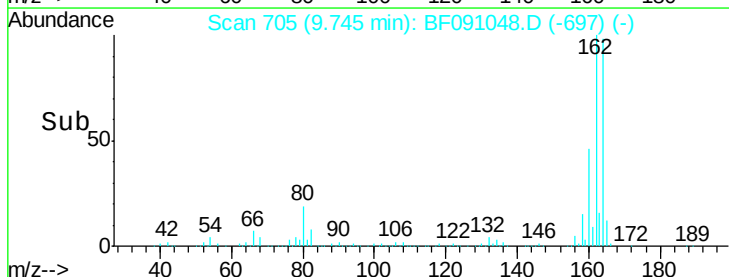


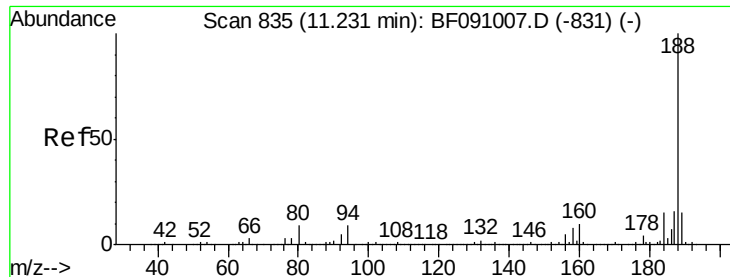
Abundance Ion 165.00 (164.70 to 165.70): E

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

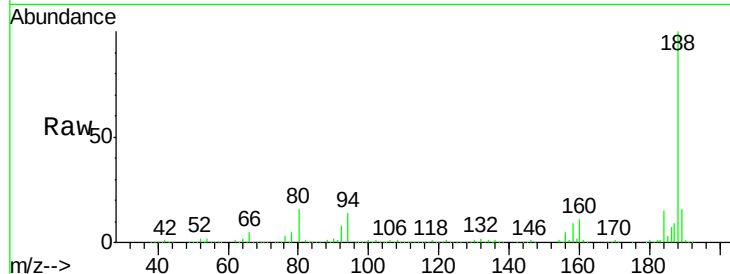




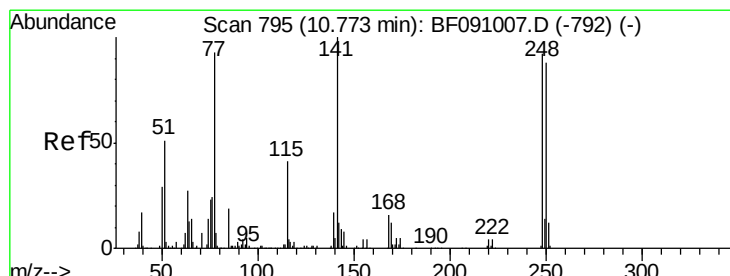
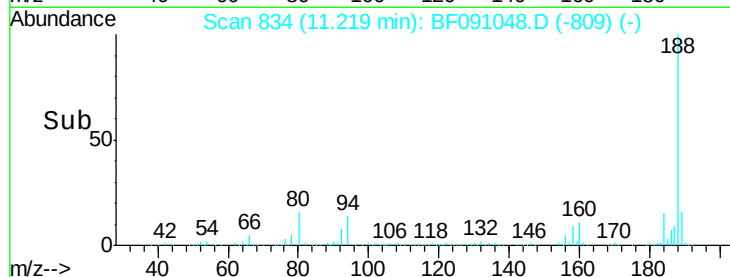
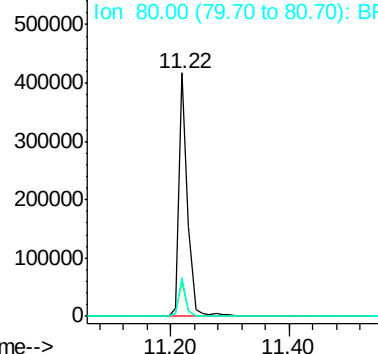
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF091048.D
Acq: 5 Nov 2016 3:58

Instrument :
BNA_F
ClientSampleId :
NCC61-TOPSOIL

Tgt Ion:188 Resp: 428687
Ion Ratio Lower Upper
188 100
94 14.1 7.0 10.4#
80 15.9 7.5 11.3#

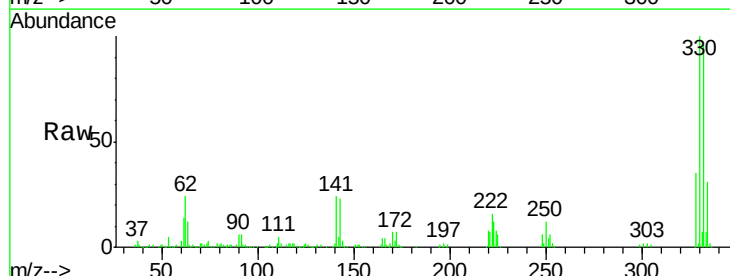


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

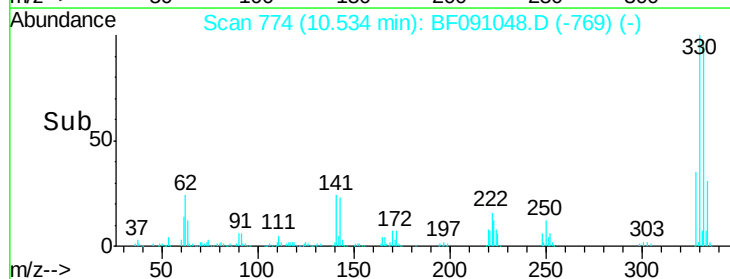
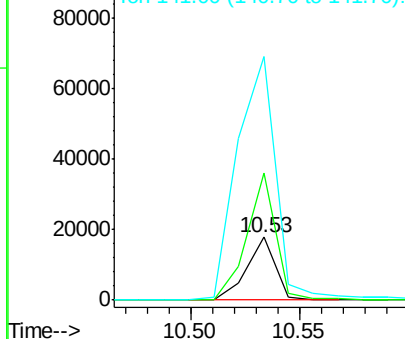


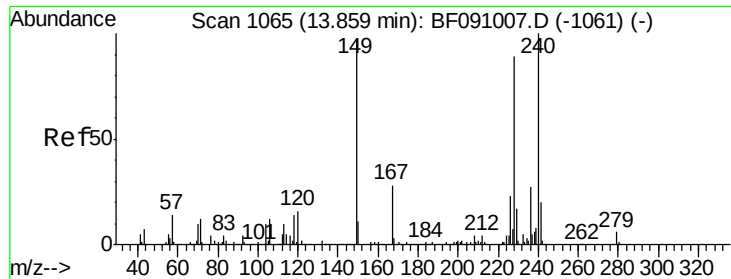
#66
4-Bromophenyl-phenylether
Concen: 3.62 ng
RT: 10.53 min Scan# 774
Delta R.T. -0.24 min
Lab File: BF091048.D
Acq: 5 Nov 2016 3:58

Tgt Ion:248 Resp: 16134
Ion Ratio Lower Upper
248 100
250 202.3 76.3 114.5#
141 388.5 86.8 130.2#



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: 13.86 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BF091048.D

Acq: 5 Nov 2016 3:58

Instrument :

BNA_F

ClientSampleId :

NCC61-TOPSOIL

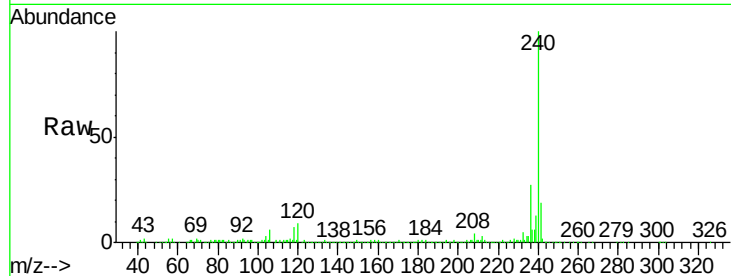
Tgt Ion:240 Resp: 378545

Ion Ratio Lower Upper

240 100

120 8.9 12.9 19.3#

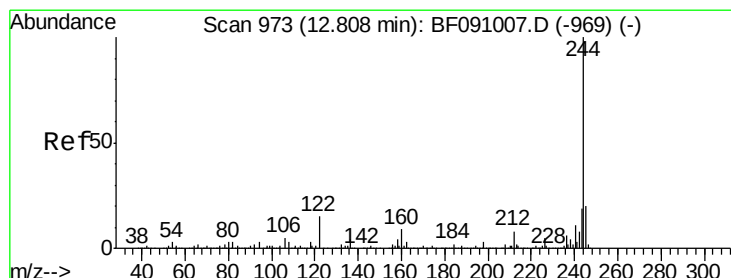
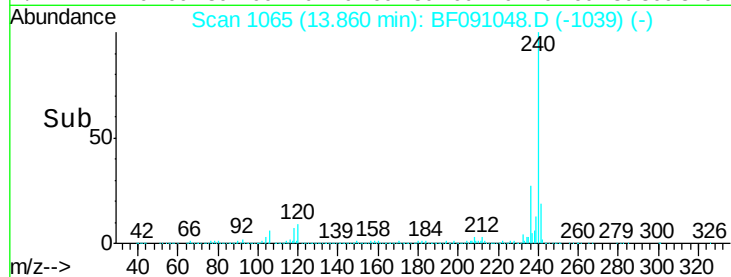
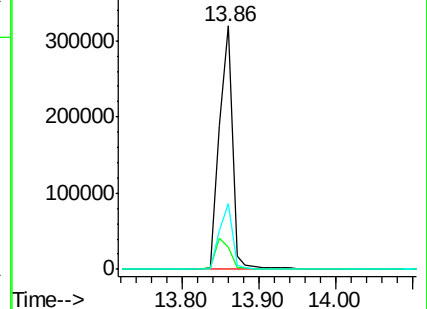
236 26.8 21.9 32.9



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: 58.47 ng

RT: 12.81 min Scan# 973

Delta R.T. 0.00 min

Lab File: BF091048.D

Acq: 5 Nov 2016 3:58

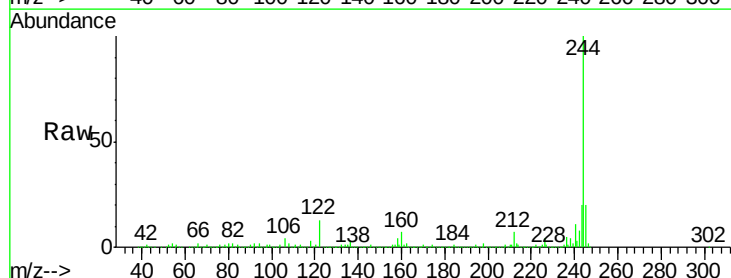
Tgt Ion:244 Resp: 886990

Ion Ratio Lower Upper

244 100

212 7.1 6.4 9.6

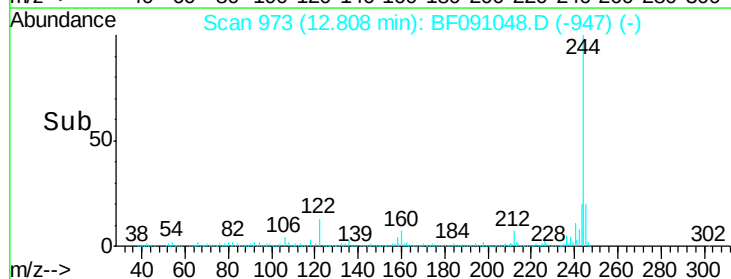
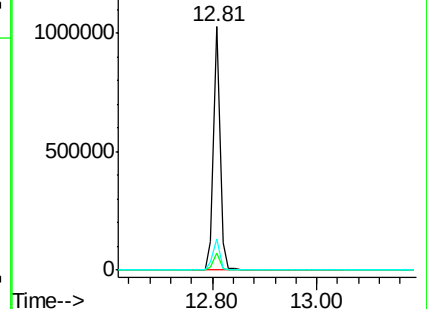
122 12.6 12.3 18.5

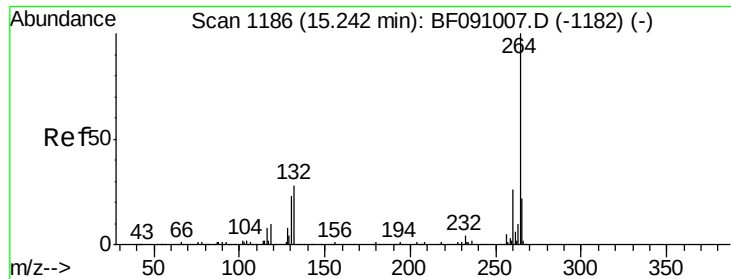


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.24 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF091048.D
Acq: 5 Nov 2016 3:58

Instrument :
BNA_F
ClientSampleId :
NCC61-TOPSOIL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.6	30.8
265	22.1	17.8	26.8

