

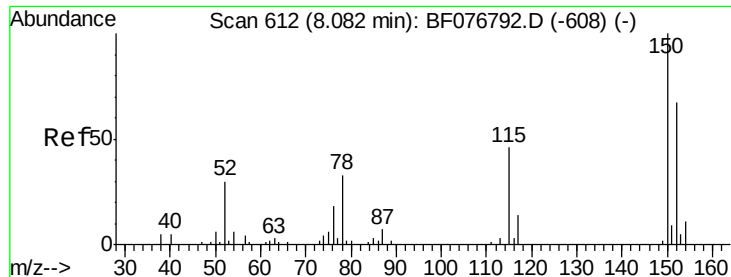
Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
 Data File : BF076817.D
 Acq On : 12 Jan 2015 20:06
 Operator : IZ / TP
 Sample : G1044-04
 Misc : W
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1B

Quant Time: Jan 13 01:03:02 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 12 10:43:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	33707	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	135660	20.00	ng	-0.01
38) Acenaphthene-d10	15.12	164	74781	20.00	ng	-0.01
63) Phenanthrene-d10	17.85	188	121985	20.00	ng	0.00
75) Chrysene-d12	21.34	240	112760	20.00	ng	-0.01
86) Perylene-d12	23.04	264	95487	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	107434	53.19	ng	-0.01
7) Phenol-d6	7.49	99	81507	32.05	ng	-0.01
23) Nitrobenzene-d5	9.37	82	208040	85.22	ng	-0.01
41) 2,4,6-Tribromophenol	16.77	330	79021	126.60	ng	-0.01
44) 2-Fluorobiphenyl	13.64	172	429703	84.57	ng	-0.01
78) Terphenyl-d14	20.07	244	380711	74.13	ng	0.00
Target Compounds						
10) Phenol	7.51	94	8748	3.16	ng	Qvalue 86
11) bis(2-Chloroethyl)ether	7.61	93	8657	3.90	ng	88
13) 1,4-Dichlorobenzene	8.13	146	16031	5.76	ng	# 92
14) 1,2-Dichlorobenzene	8.44	146	14055	5.42	ng	91
20) 3+4-Methylphenols	9.25	107	8289	3.28	ng	97
31) Naphthalene	11.03	128	33170	4.77	ng	96
59) Diethylphthalate	16.30	149	13262	2.37	ng	# 91

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

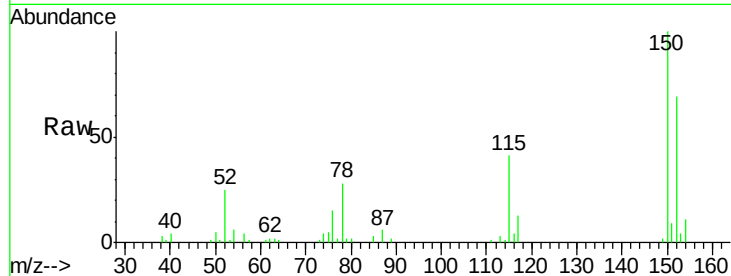


#1

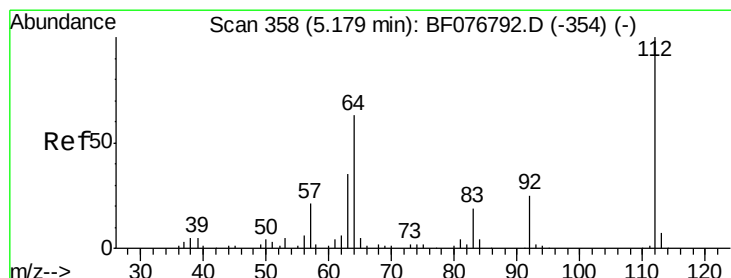
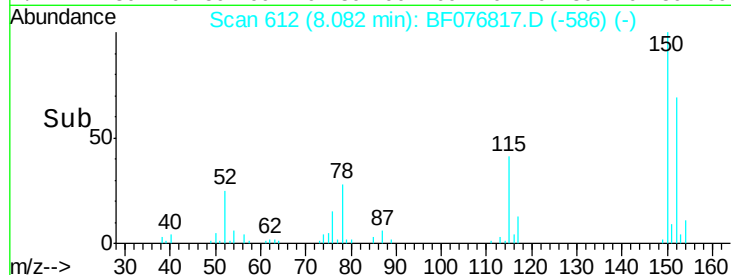
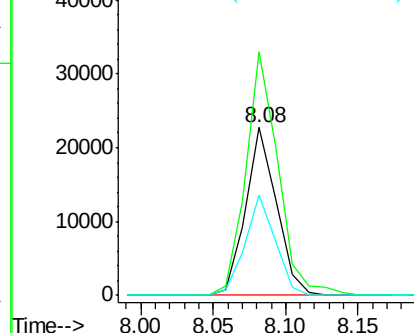
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.08 min Scan# 612
Delta R.T. -0.00 min
Lab File: BF076817.D
Acq: 12 Jan 2015 20:06

Instrument :
BNA_F
ClientSampleId :
SP-1B

Tot Ion:152 Resp: 33707
Ion Ratio Lower Upper
152 100
150 145.3 119.5 179.3
115 60.0 54.6 81.8



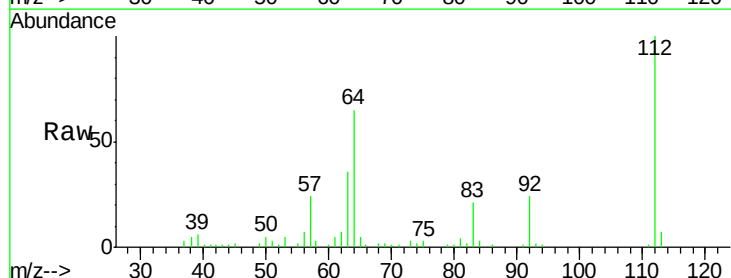
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



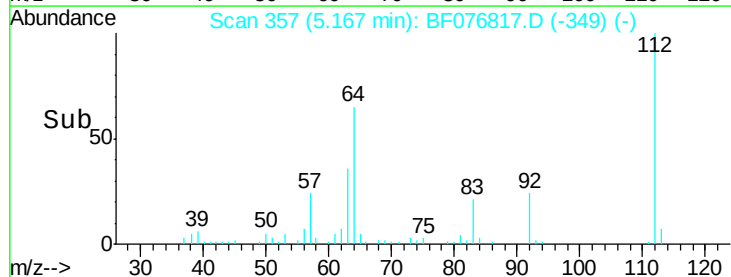
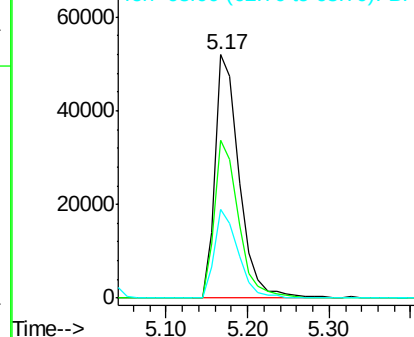
#5

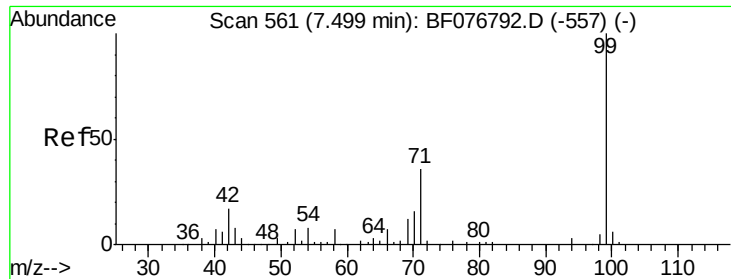
2-Fluorophenol
Concen: 53.19 ng
RT: 5.17 min Scan# 357
Delta R.T. -0.01 min
Lab File: BF076817.D
Acq: 12 Jan 2015 20:06

Tgt Ion:112 Resp: 107434
Ion Ratio Lower Upper
112 100
64 64.8 50.2 75.4
63 36.5 27.8 41.6



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: 32.05 ng

RT: 7.49 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

Instrument :

BNA_F

ClientSampled :

SP-1B

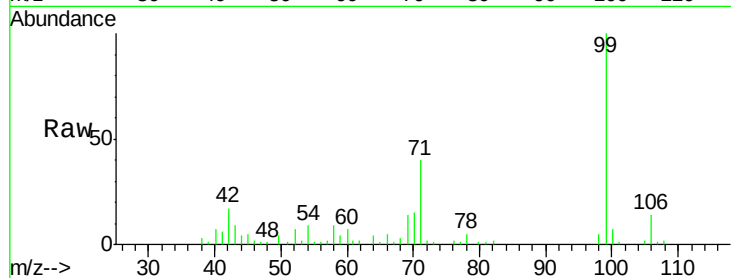
Tot Ion: 99 Resp: 81507

Ion Ratio Lower Upper

99 100

42 16.8 13.3 19.9

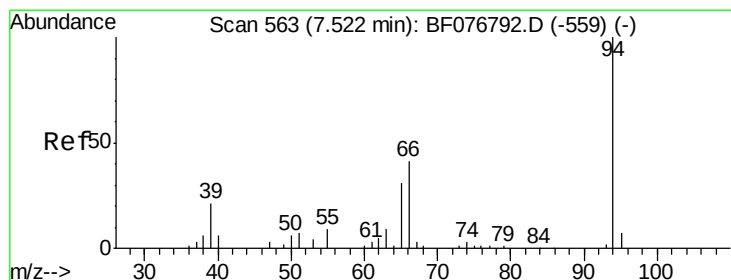
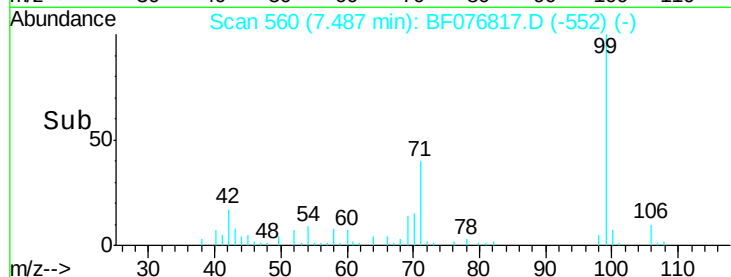
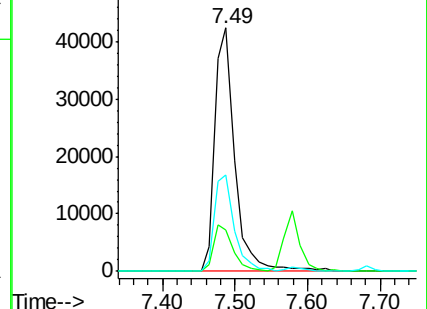
71 39.8 29.2 43.8



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



#10

Phenol

Concen: 3.16 ng

RT: 7.51 min Scan# 562

Delta R.T. -0.01 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

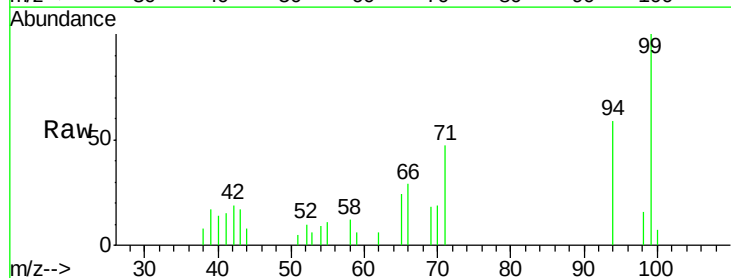
Tgt Ion: 94 Resp: 8748

Ion Ratio Lower Upper

94 100

65 40.8 11.6 51.6

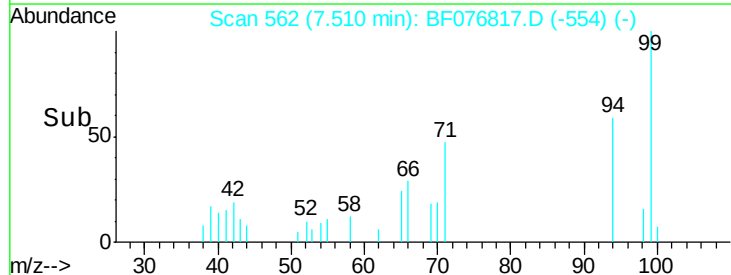
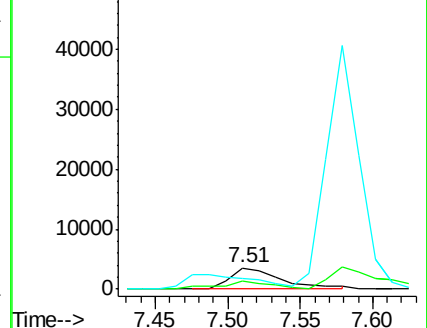
66 49.4 22.3 62.3

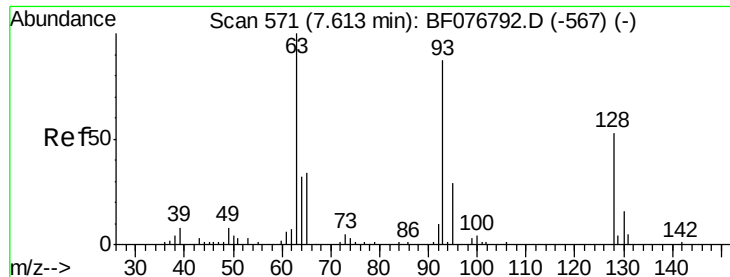


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 3.90 ng

RT: 7.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

Instrument :

BNA_F

ClientSampleId :

SP-1B

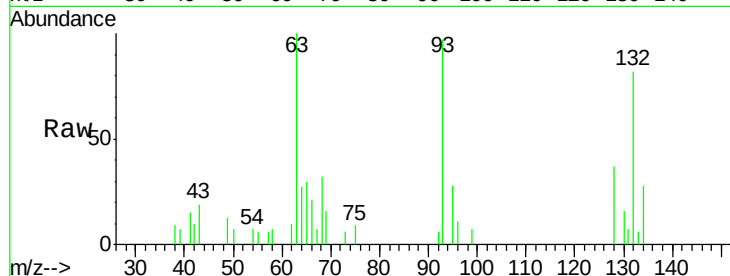
Tot Ion: 93 Resp: 8657

Ion Ratio Lower Upper

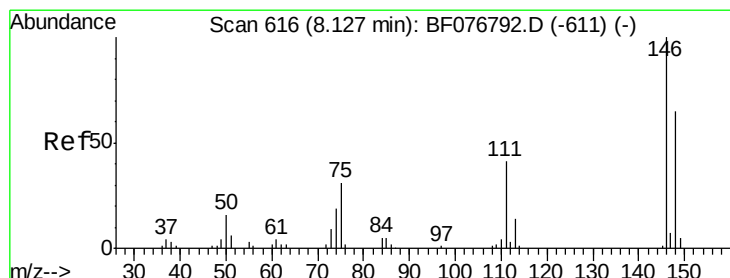
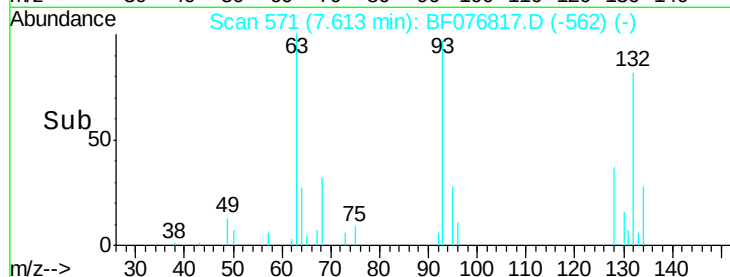
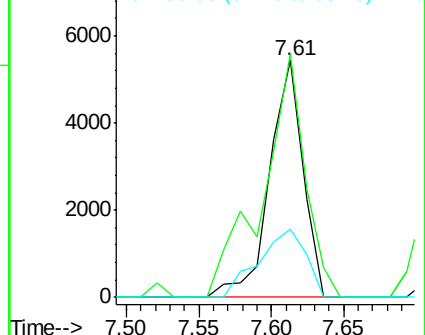
93 100

63 102.8 96.1 136.1

95 28.6 14.0 54.0



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



#13

1,4-Dichlorobenzene

Concen: 5.76 ng

RT: 8.13 min Scan# 616

Delta R.T. -0.00 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

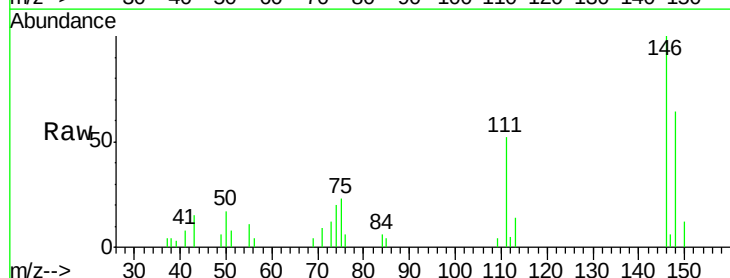
Tgt Ion: 146 Resp: 16031

Ion Ratio Lower Upper

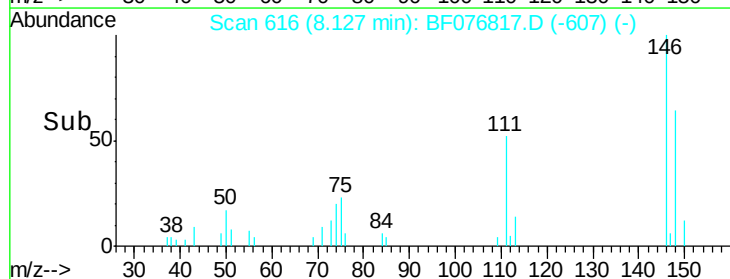
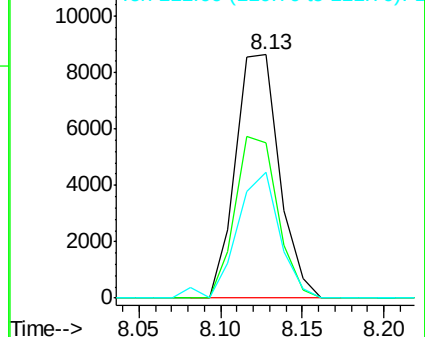
146 100

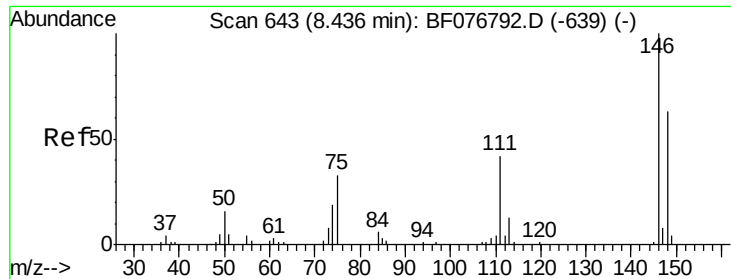
148 63.6 51.8 77.8

111 52.0 32.6 49.0#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

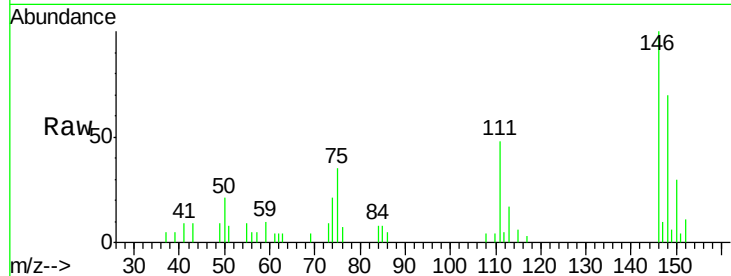




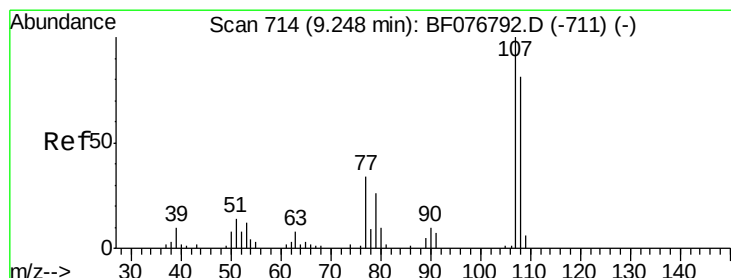
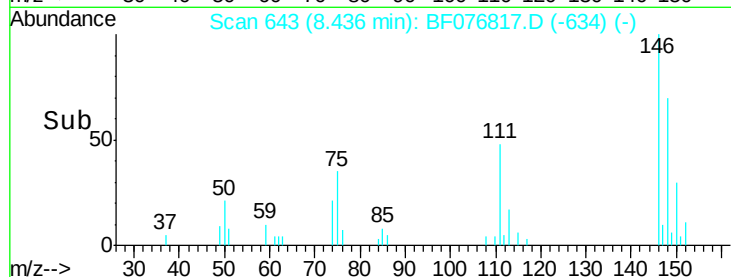
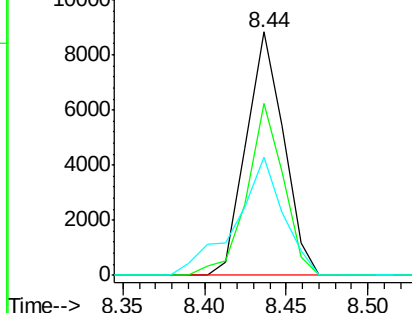
#14
 1,2-Dichlorobenzene
 Concen: 5.42 ng
 RT: 8.44 min Scan# 643
 Delta R.T. -0.00 min
 Lab File: BF076817.D
 Acq: 12 Jan 2015 20:06

Instrument :
 BNA_F
 ClientSampleId :
 SP-1B

Tot Ion:146 Resp: 14055
 Ion Ratio Lower Upper
 146 100
 148 70.5 50.2 75.2
 111 48.4 34.3 51.5

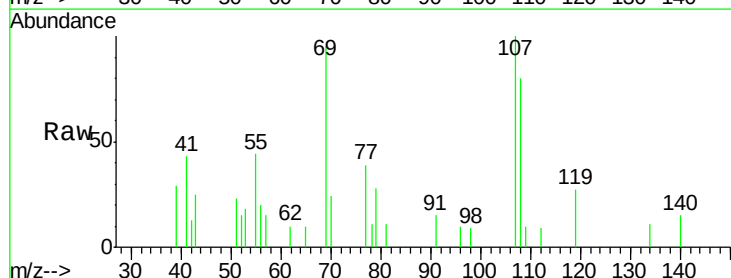


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

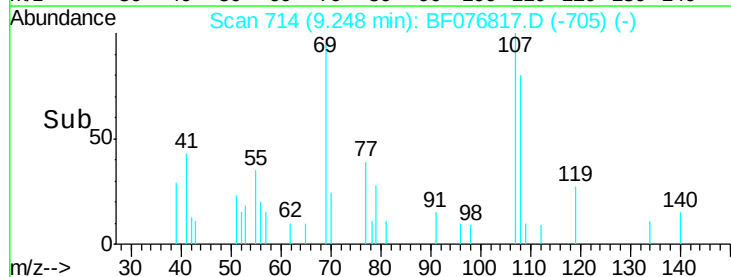
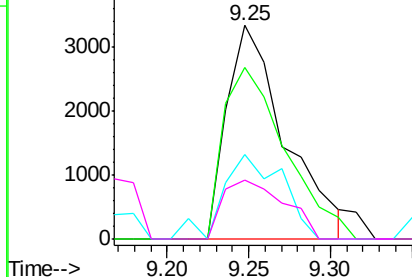


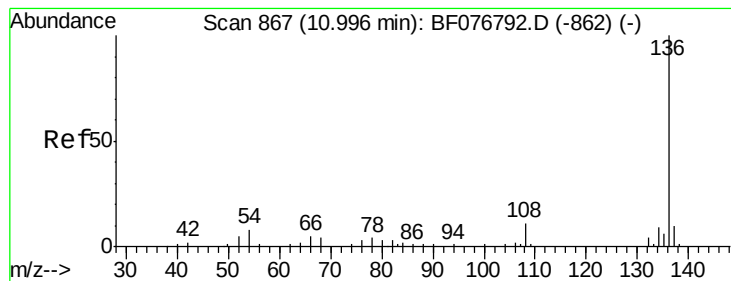
#20
 3+4-Methylphenols
 Concen: 3.28 ng
 RT: 9.25 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: BF076817.D
 Acq: 12 Jan 2015 20:06

Tgt Ion:107 Resp: 8289
 Ion Ratio Lower Upper
 107 100
 108 80.4 61.4 101.4
 77 39.3 14.4 54.4
 79 27.9 6.4 46.4



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: 10.98 min Scan# 866

Delta R.T. -0.01 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

Instrument :

BNA_F

ClientSampleId :

SP-1B

Tot Ion:136 Resp: 135660

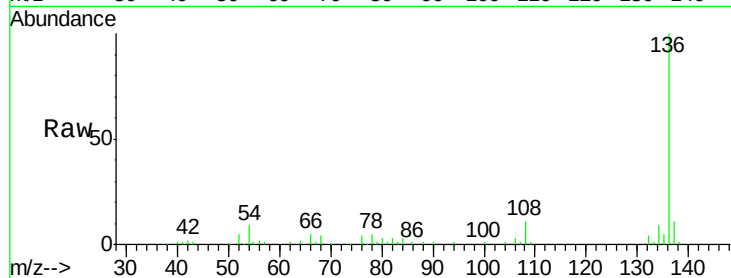
Ion Ratio Lower Upper

136 100

137 11.4 8.1 12.1

54 8.7 6.3 9.5

68 4.4 3.4 5.0

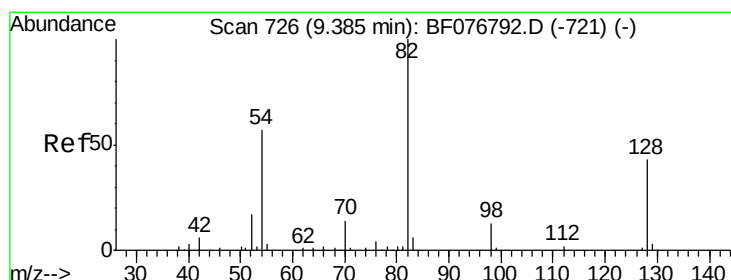
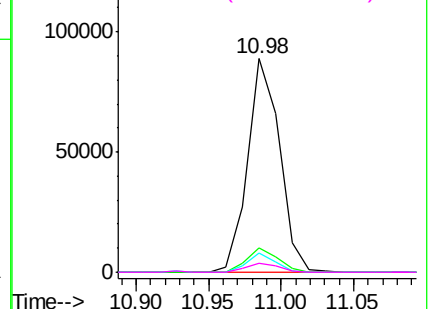
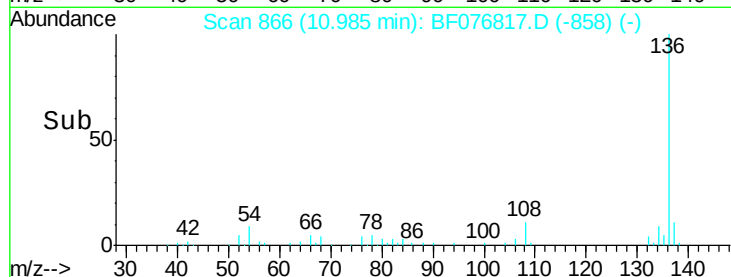


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.22 ng

RT: 9.37 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

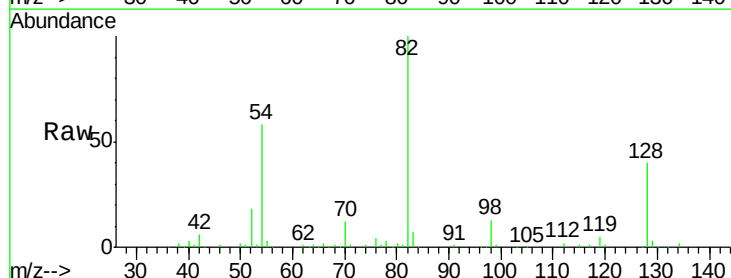
Tgt Ion: 82 Resp: 208040

Ion Ratio Lower Upper

82 100

128 40.2 34.0 51.0

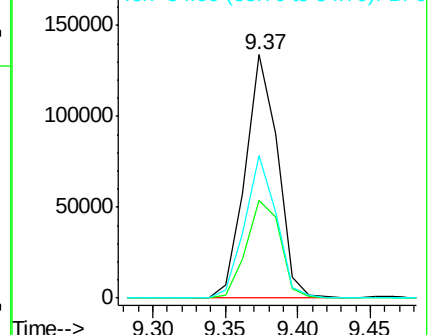
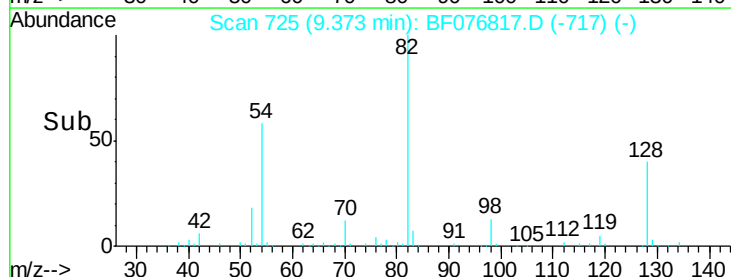
54 58.5 45.6 68.4

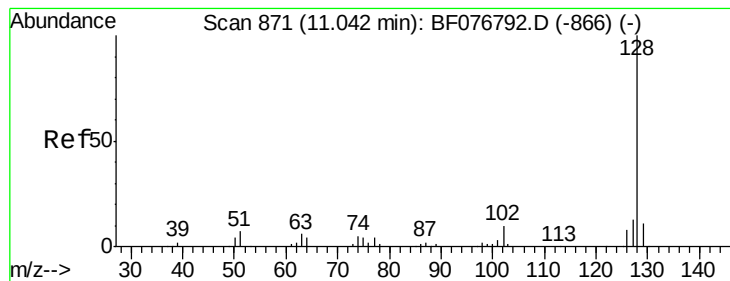


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 4.77 ng

RT: 11.03 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

Instrument :

BNA_F

ClientSampleId :

SP-1B

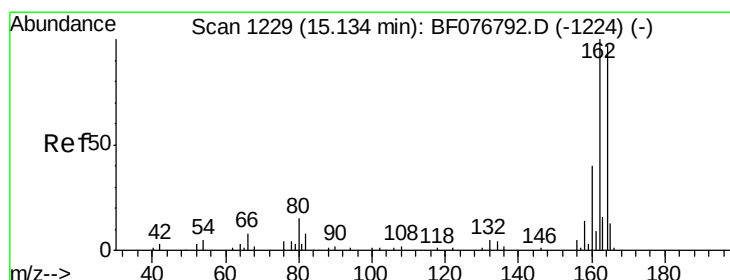
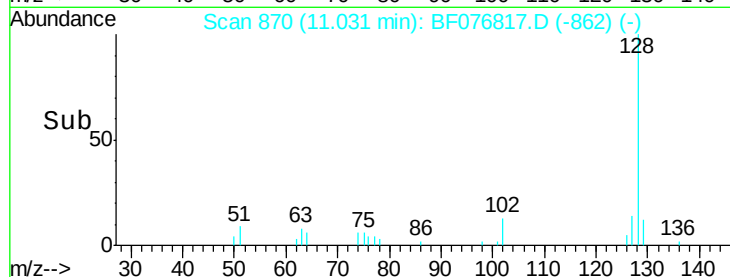
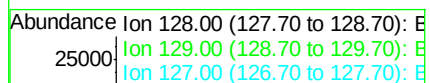
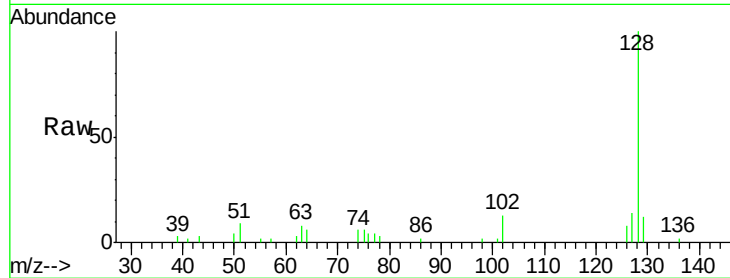
Tot Ion:128 Resp: 33170

Ion Ratio Lower Upper

128 100

129 12.1 8.6 13.0

127 14.4 10.1 15.1



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.12 min Scan# 1228

Delta R.T. -0.01 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

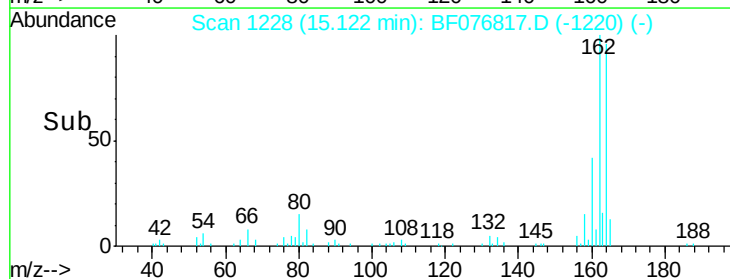
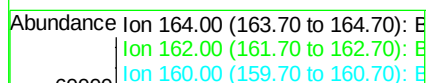
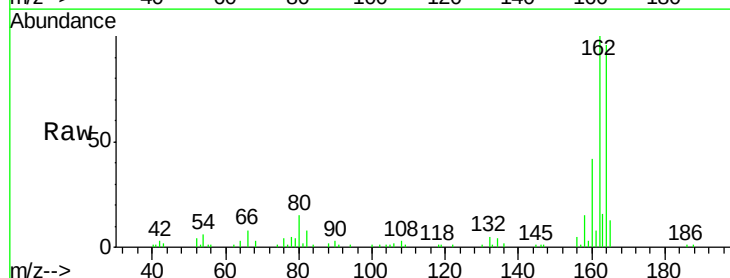
Tgt Ion:164 Resp: 74781

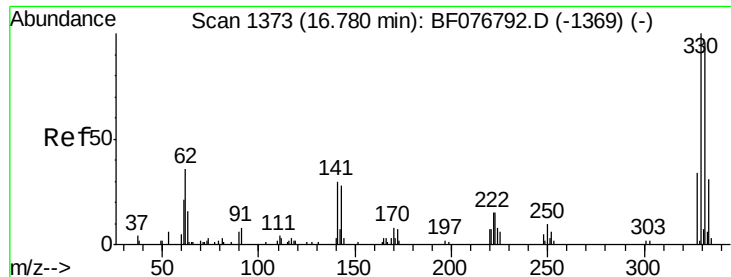
Ion Ratio Lower Upper

164 100

162 104.2 82.5 123.7

160 43.8 33.1 49.7





#41

2,4,6-Tribromophenol

Concen: 126.60 ng

RT: 16.77 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

Instrument :

BNA_F

ClientSampleId :

SP-1B

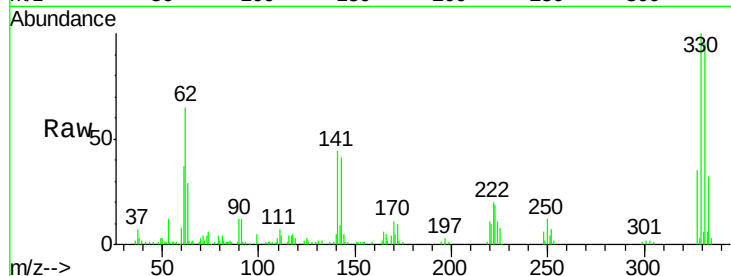
Tot Ion:330 Resp: 79021

Ion Ratio Lower Upper

330 100

332 98.3 74.8 112.2

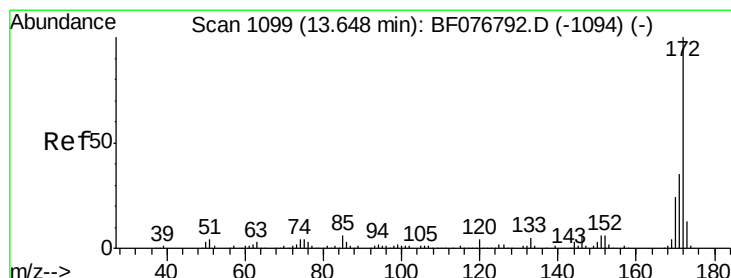
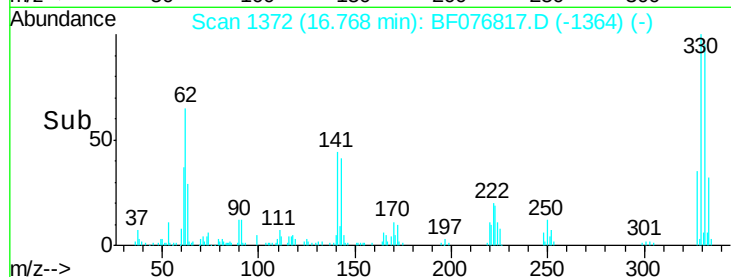
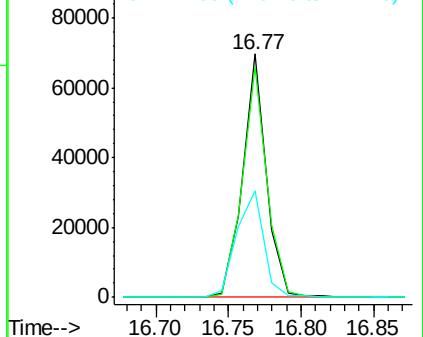
141 50.2 42.4 63.6



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: 84.57 ng

RT: 13.64 min Scan# 1098

Delta R.T. -0.01 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

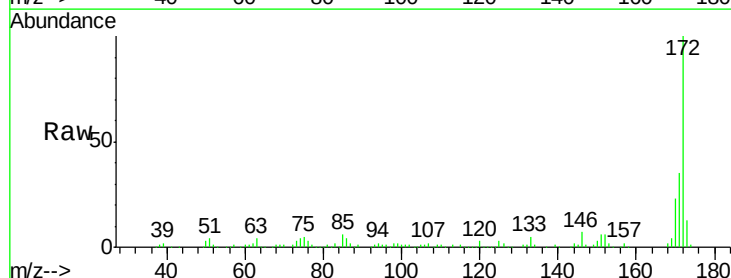
Tgt Ion:172 Resp: 429703

Ion Ratio Lower Upper

172 100

171 34.8 27.8 41.8

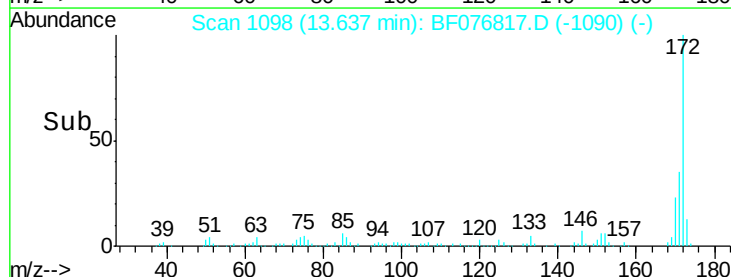
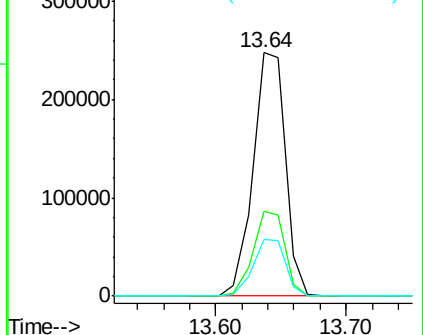
170 23.4 18.8 28.2

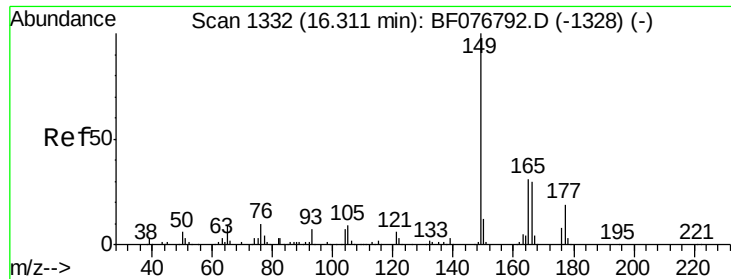


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

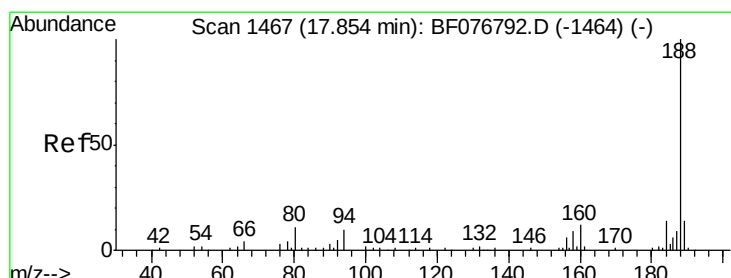
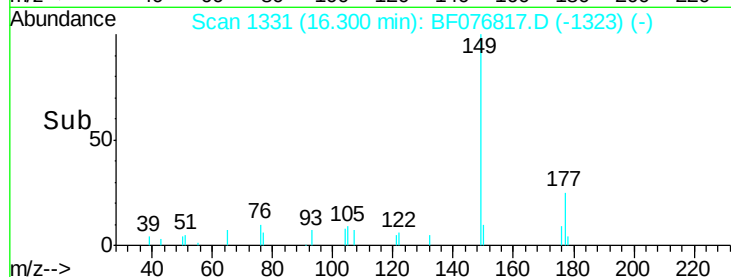
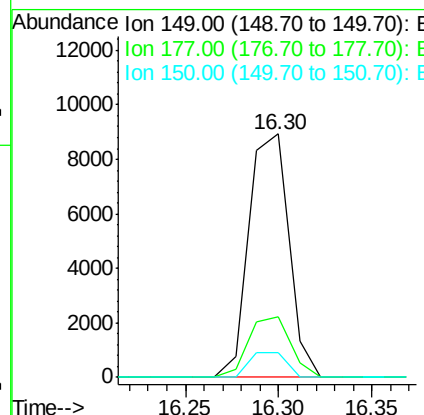
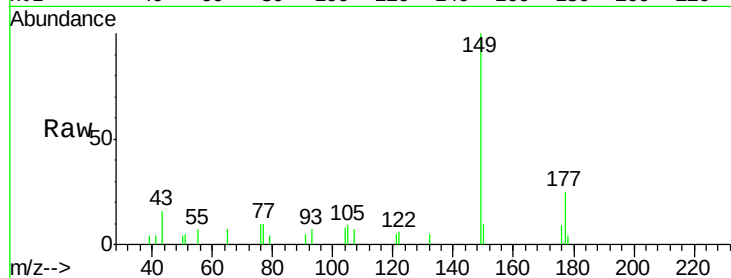




#59
Diethylphthalate
Concen: 2.37 ng
RT: 16.30 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF076817.D
Acq: 12 Jan 2015 20:06

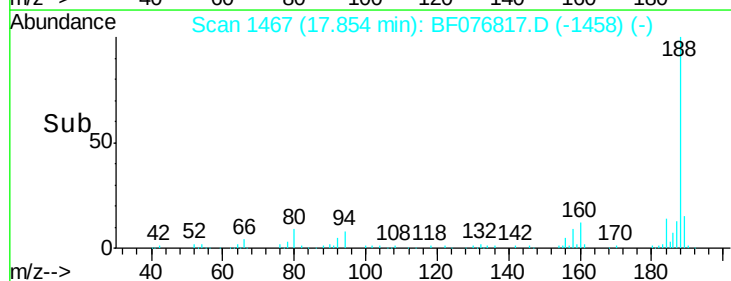
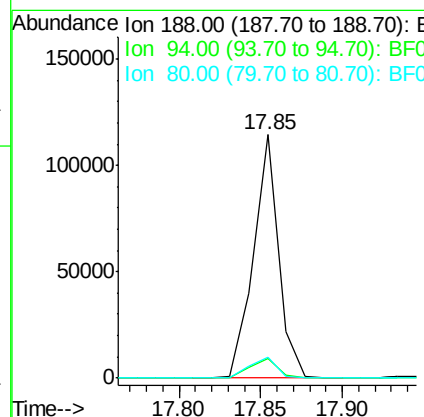
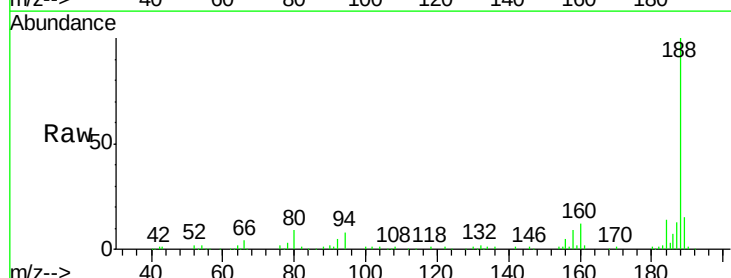
Instrument :
BNA_F
ClientSampleId :
SP-1B

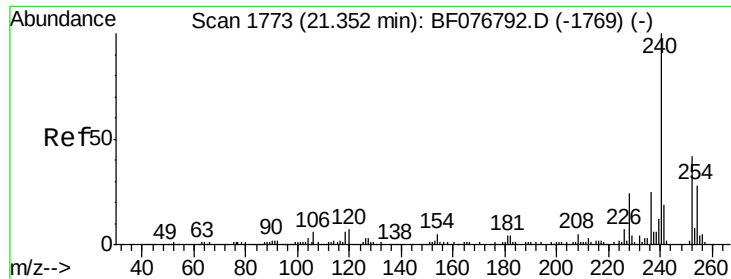
Tot Ion:149 Resp: 13262
Ion Ratio Lower Upper
149 100
177 24.8 15.4 23.2#
150 10.3 9.4 14.0



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.85 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BF076817.D
Acq: 12 Jan 2015 20:06

Tgt Ion:188 Resp: 121985
Ion Ratio Lower Upper
188 100
94 8.1 7.8 11.6
80 8.8 8.6 13.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.34 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

Instrument :

BNA_F

ClientSampleId :

SP-1B

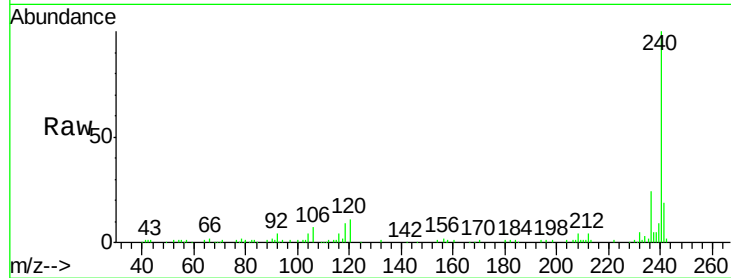
Tot Ion:240 Resp: 112760

Ion Ratio Lower Upper

240 100

120 11.5 5.7 8.5#

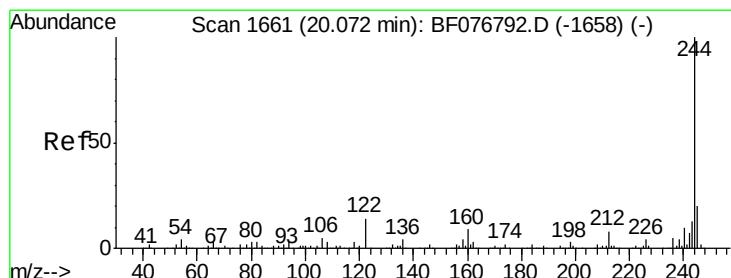
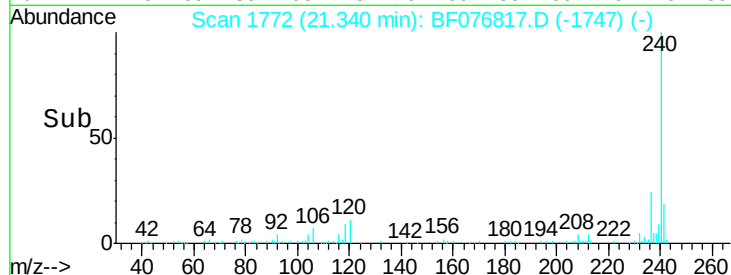
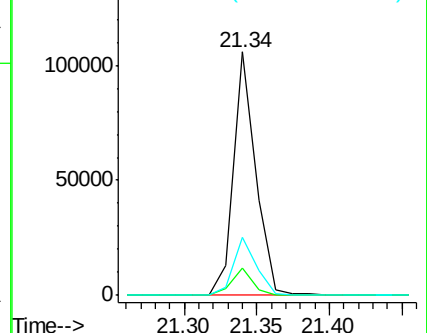
236 24.1 19.7 29.5



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: 74.13 ng

RT: 20.07 min Scan# 1661

Delta R.T. -0.00 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

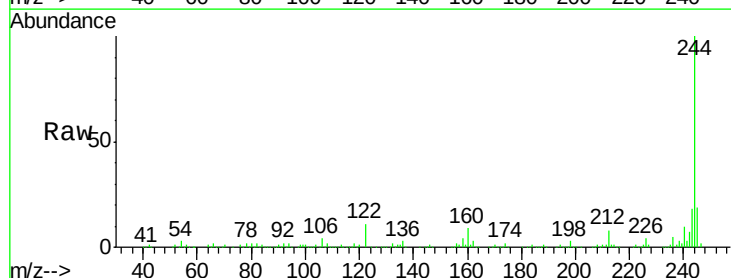
Tgt Ion:244 Resp: 380711

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

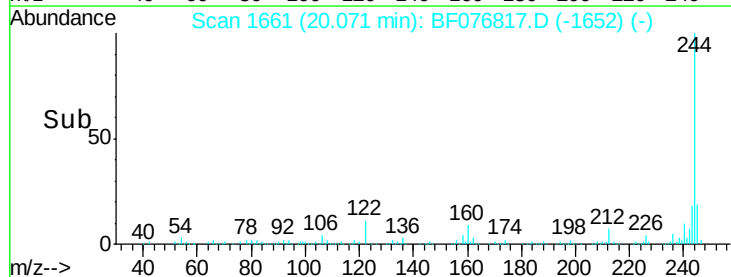
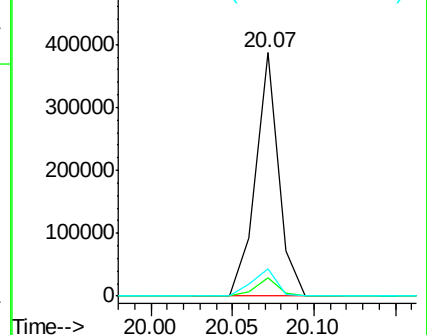
122 11.3 11.3 16.9

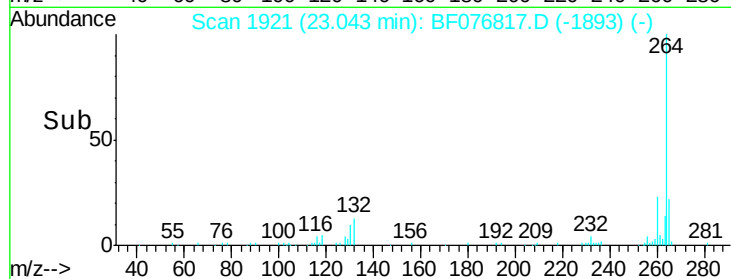
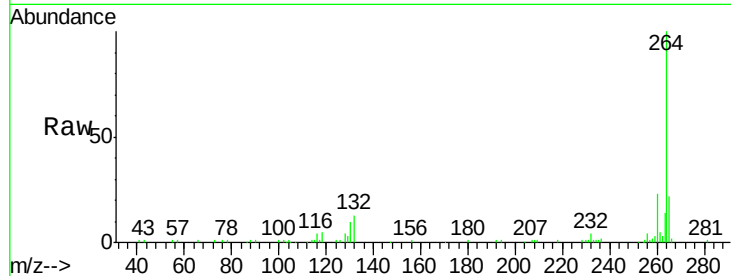
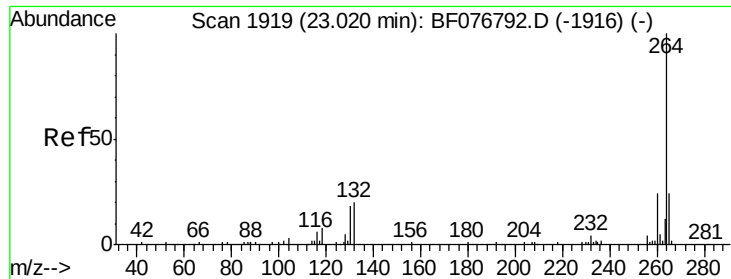


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 23.04 min Scan# 1921
 Delta R.T. 0.02 min
 Lab File: BF076817.D
 Acq: 12 Jan 2015 20:06

Instrument :
 BNA_F
 ClientSampleId :
 SP-1B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.0
265	22.4	18.9	28.3

