

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011915\
 Data File : BF076947.D
 Acq On : 20 Jan 2015 3:27
 Operator : IZ / TP
 Sample : G1078-01
 Misc : W
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Quant Time: Jan 20 04:22:14 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 20 03:20:25 2015
 Response via : Initial Calibration

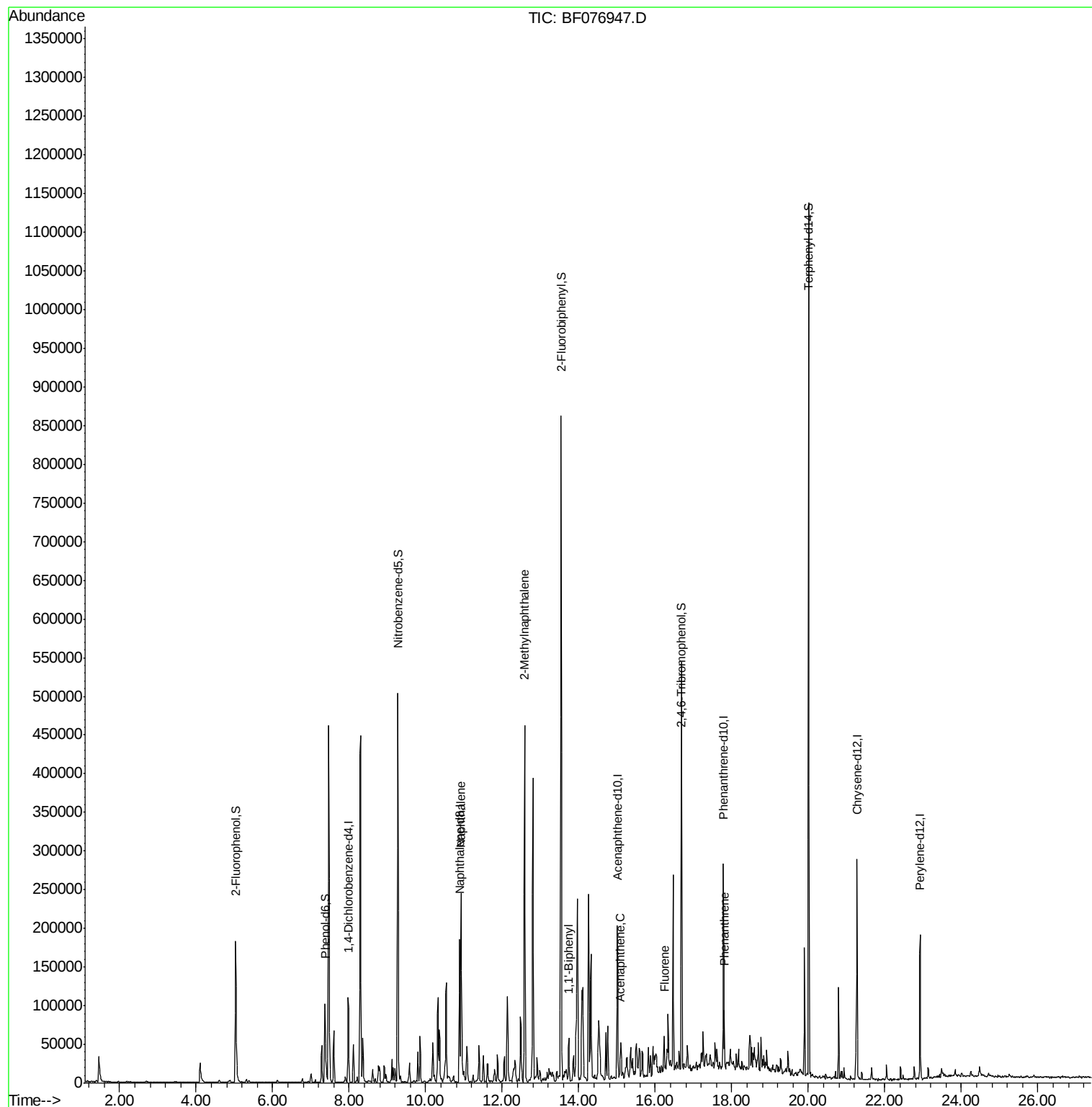
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	32222	20.00	ng	-0.01
21) Naphthalene-d8	10.88	136	133725	20.00	ng	0.00
38) Acenaphthene-d10	15.01	164	69572	20.00	ng	0.00
63) Phenanthrene-d10	17.77	188	115823	20.00	ng	0.00
75) Chrysene-d12	21.27	240	111173	20.00	ng	0.00
86) Perylene-d12	22.92	264	103447	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	98532	50.28	ng	-0.01
7) Phenol-d6	7.37	99	73211	29.61	ng	0.00
23) Nitrobenzene-d5	9.27	82	209600	86.84	ng	0.00
41) 2,4,6-Tribromophenol	16.69	330	75531	133.75	ng	0.01
44) 2-Fluorobiphenyl	13.53	172	433861	94.90	ng	0.00
78) Terphenyl-d14	20.00	244	398897	82.60	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.93	128	173393	25.19	ng	99
37) 2-Methylnaphthalene	12.59	142	201984	42.96	ng	96
45) 1,1'-Biphenyl	13.74	154	32431	6.29	ng	99
51) Acenaphthene	15.09	154	9115	2.24	ng	# 77
57) Fluorene	16.23	166	22024	4.39	ng	# 97
70) Phenanthrene	17.81	178	32126	4.45	ng	# 93

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

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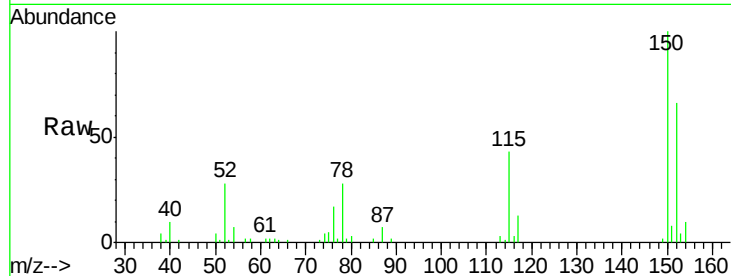


#1

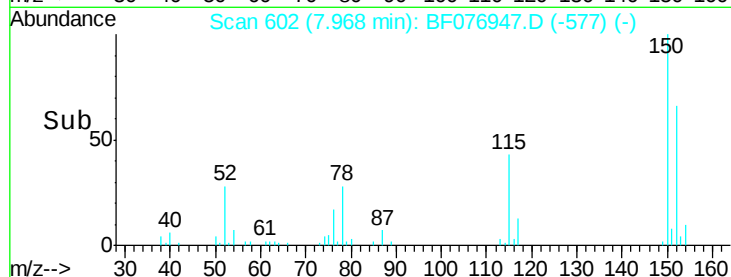
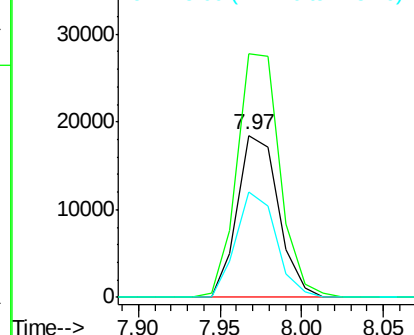
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.97 min Scan# 602
Delta R.T. -0.01 min
Lab File: BF076947.D
Acq: 20 Jan 2015 3:27

Instrument :
BNA_F
ClientSampleId :
S-1

Tot Ion:152 Resp: 32222
Ion Ratio Lower Upper
152 100
150 150.5 121.7 182.5
115 65.1 47.0 70.6



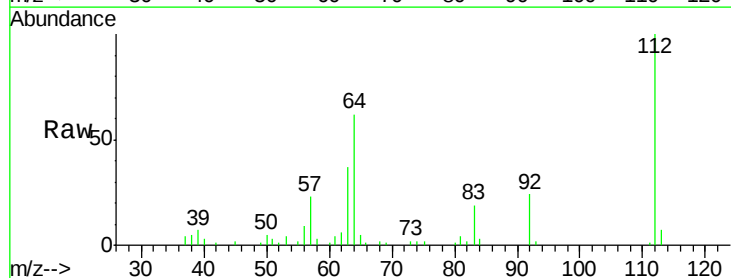
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



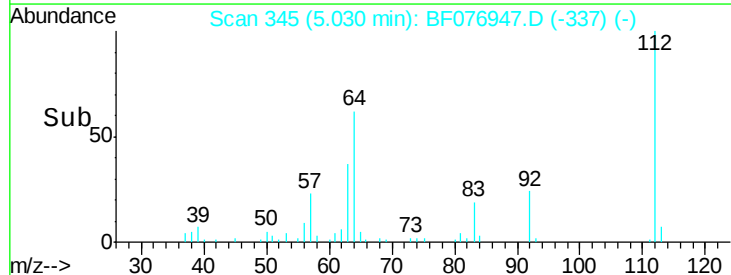
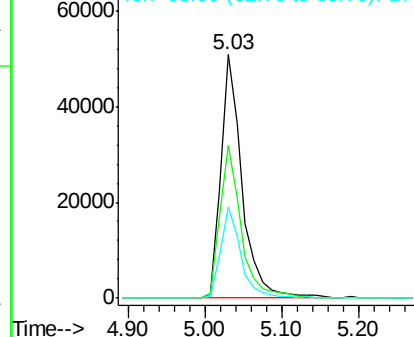
#5

2-Fluorophenol
Concen: 50.28 ng
RT: 5.03 min Scan# 345
Delta R.T. -0.01 min
Lab File: BF076947.D
Acq: 20 Jan 2015 3:27

Tgt Ion:112 Resp: 98532
Ion Ratio Lower Upper
112 100
64 62.5 54.2 81.4
63 37.3 28.4 42.6



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: 29.61 ng

RT: 7.37 min Scan# 550

Delta R.T. 0.00 min

Lab File: BF076947.D

Acq: 20 Jan 2015 3:27

Instrument :

BNA_F

ClientSampleId :

S-1

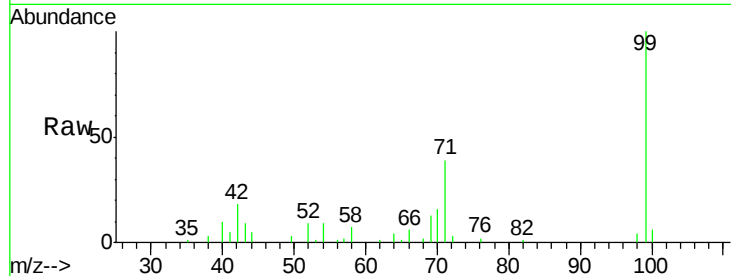
Tot Ion: 99 Resp: 73211

Ion Ratio Lower Upper

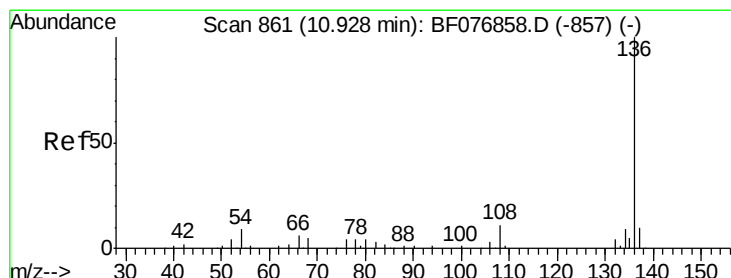
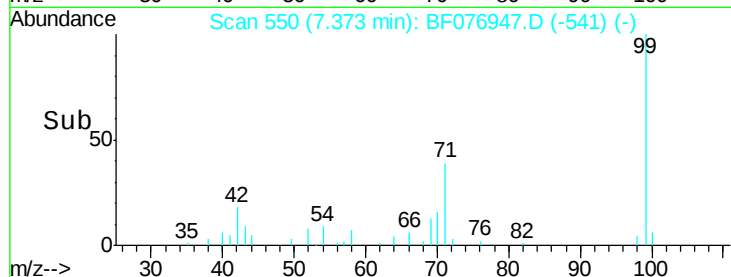
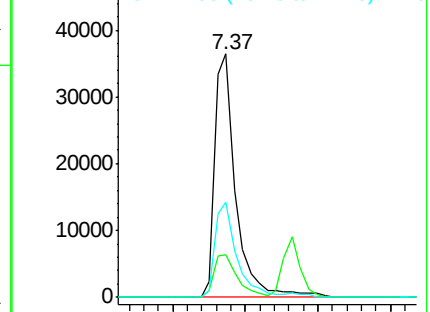
99 100

42 17.7 15.0 22.4

71 39.2 30.5 45.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.88 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF076947.D

Acq: 20 Jan 2015 3:27

Tgt Ion: 136 Resp: 133725

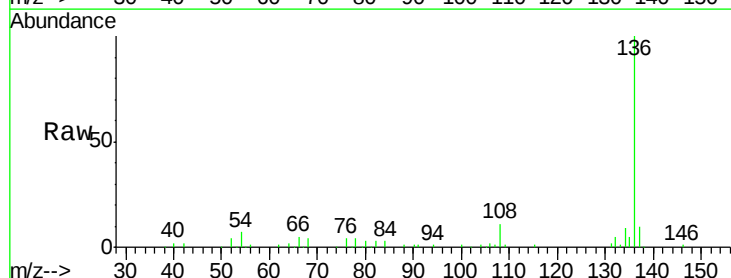
Ion Ratio Lower Upper

136 100

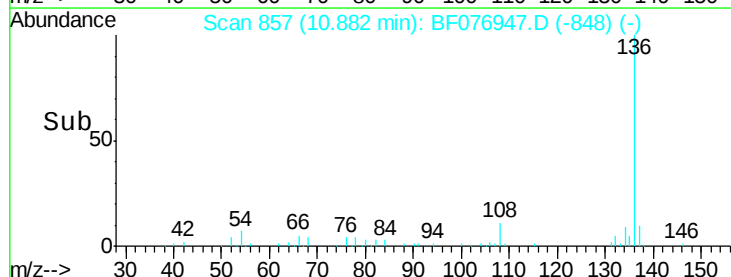
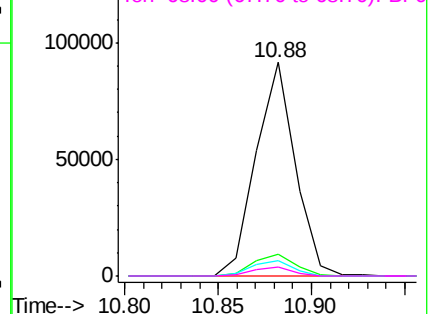
137 10.2 8.1 12.1

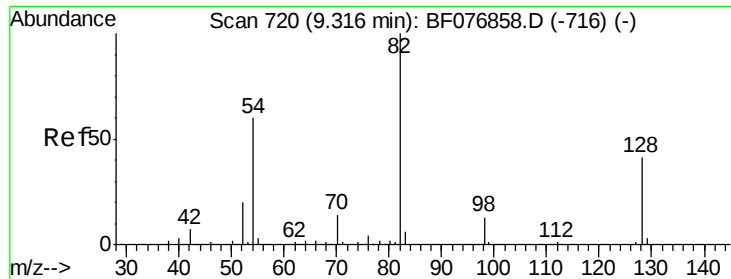
54 7.5 7.0 10.4

68 4.3 3.7 5.5



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

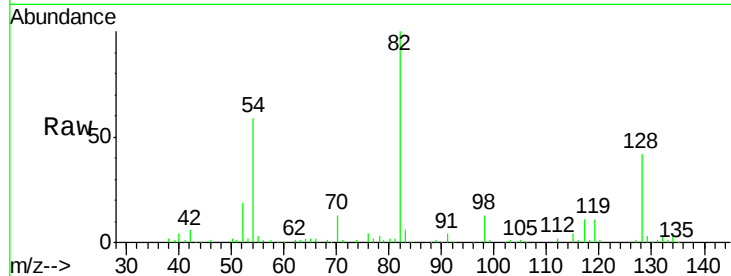




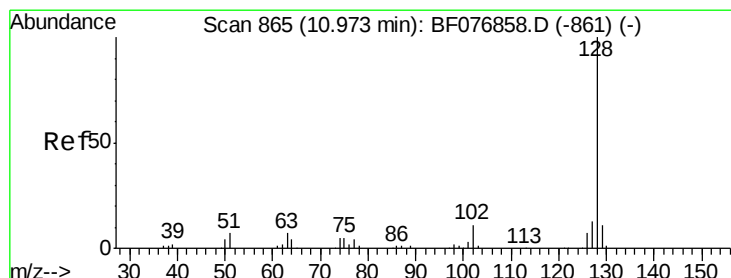
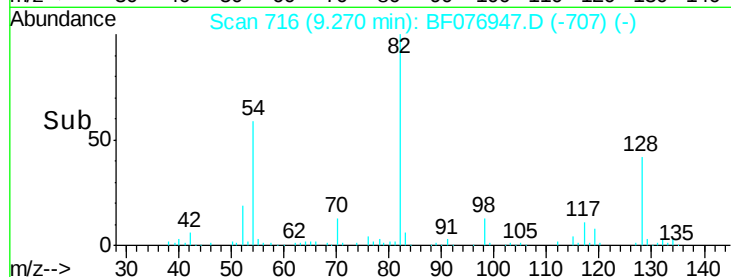
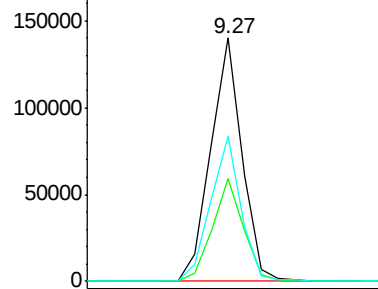
#23
Nitrobenzene-d5
Concen: 86.84 ng
RT: 9.27 min Scan# 716
Delta R.T. 0.00 min
Lab File: BF076947.D
Acq: 20 Jan 2015 3:27

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	82	Resp	209600
Ion Ratio	100	Lower	Upper
128	42.3	33.1	49.7
54	59.3	48.3	72.5

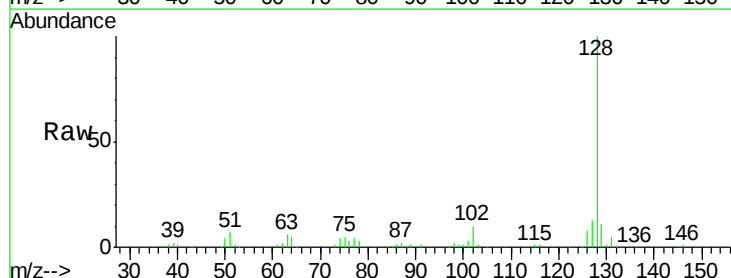


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

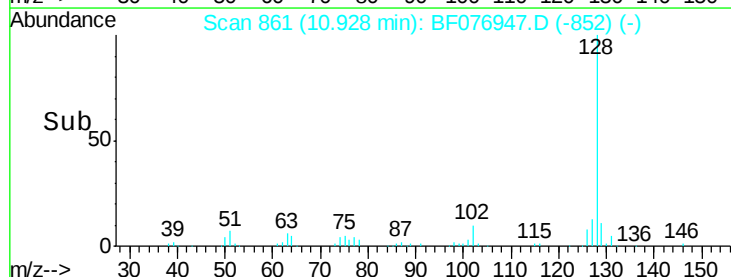
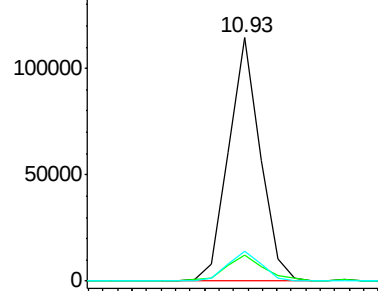


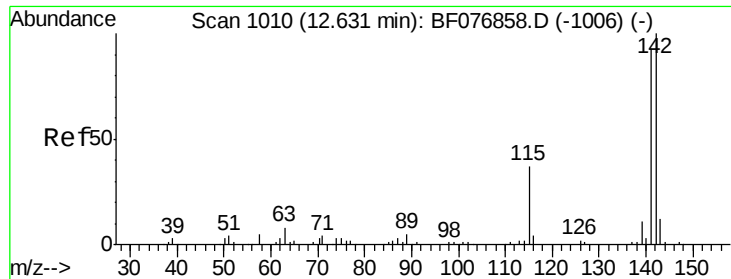
#31
Naphthalene
Concen: 25.19 ng
RT: 10.93 min Scan# 861
Delta R.T. 0.00 min
Lab File: BF076947.D
Acq: 20 Jan 2015 3:27

Tgt Ion	128	Resp	173393
Ion Ratio	100	Lower	Upper
129	10.7	9.0	13.6
127	12.5	10.2	15.2



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

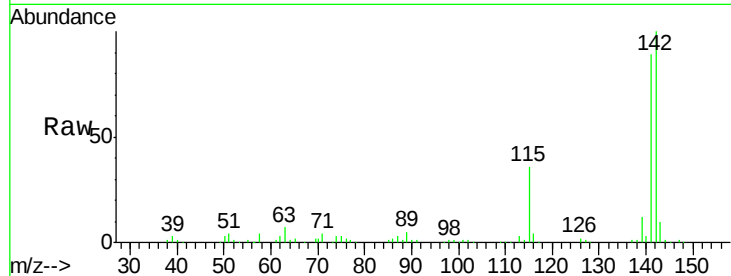




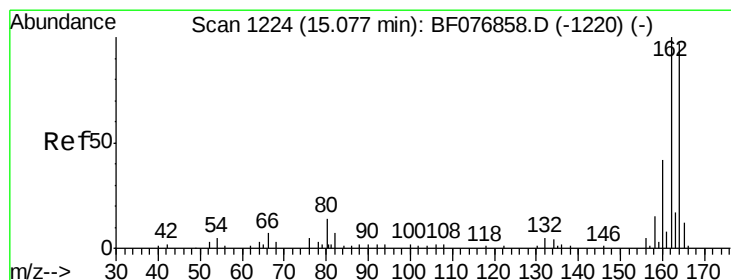
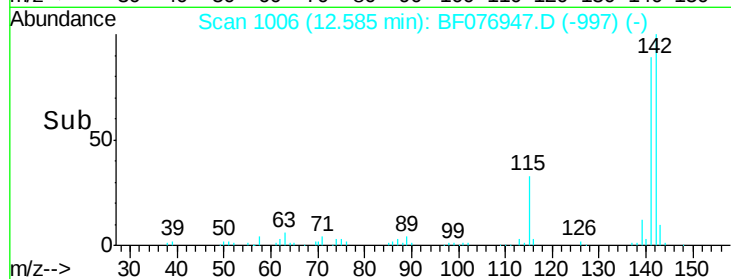
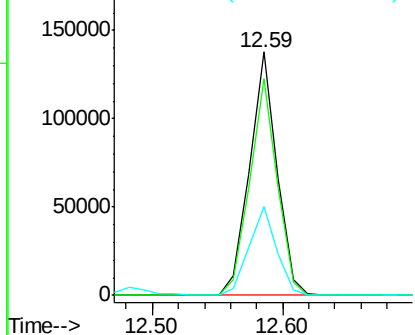
#37
 2-Methylnaphthalene
 Concen: 42.96 ng
 RT: 12.59 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: BF076947.D
 Acq: 20 Jan 2015 3:27

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	74.5	111.7
115	36.2	29.7	44.5

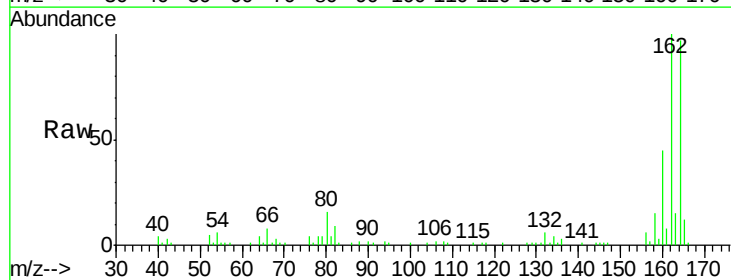


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

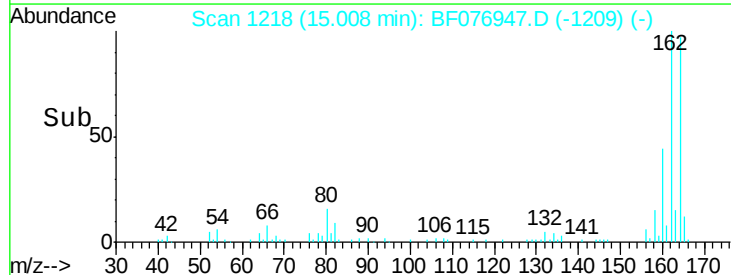
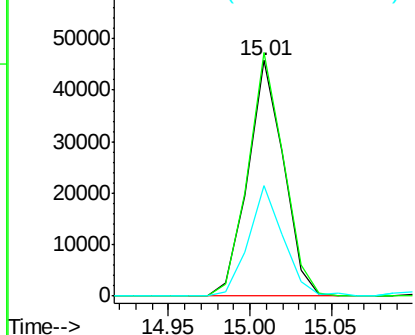


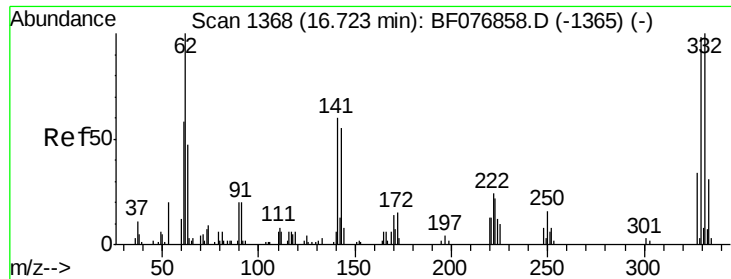
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.01 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: BF076947.D
 Acq: 20 Jan 2015 3:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.4	123.6
160	46.6	34.8	52.2



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

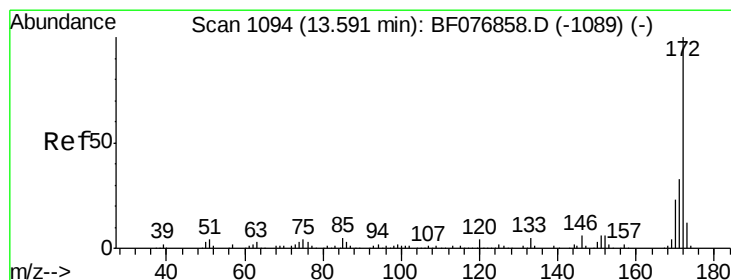
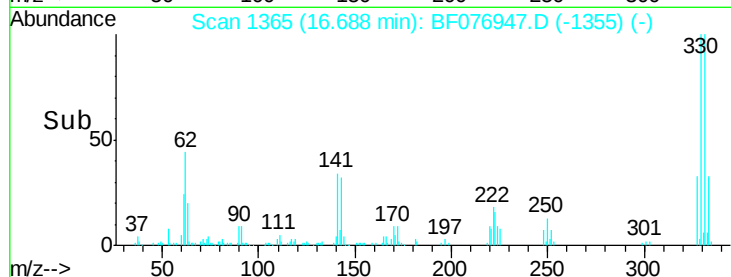
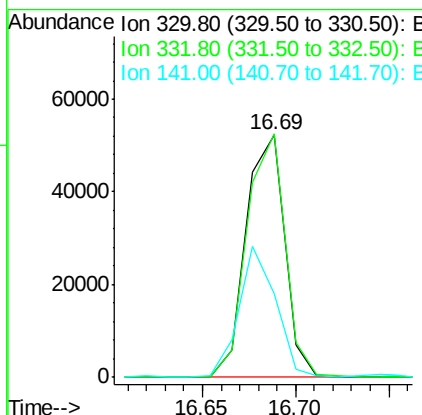
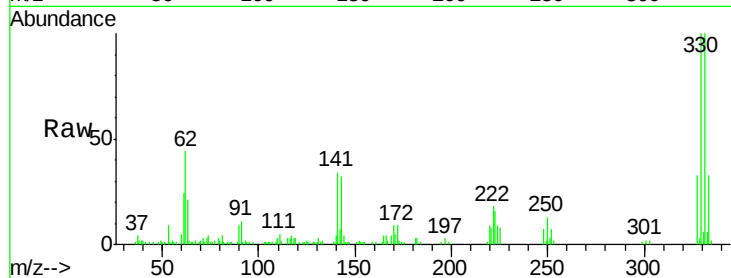




#41
 2,4,6-Tribromophenol
 Concen: 133.75 ng
 RT: 16.69 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: BF076947.D
 Acq: 20 Jan 2015 3:27

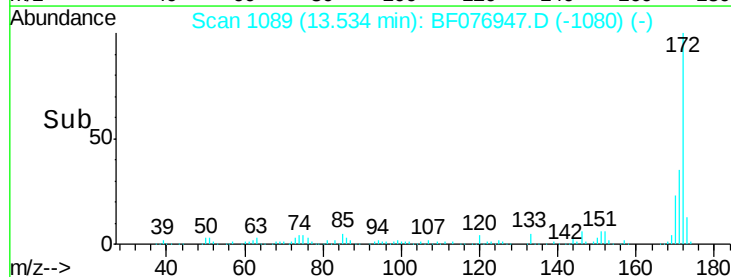
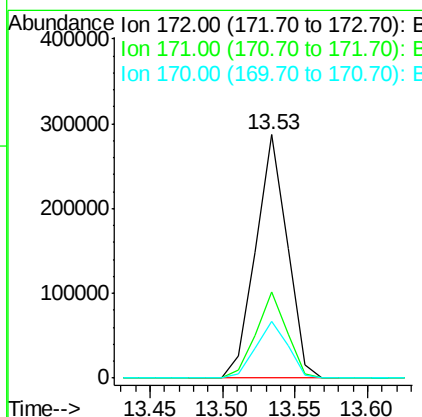
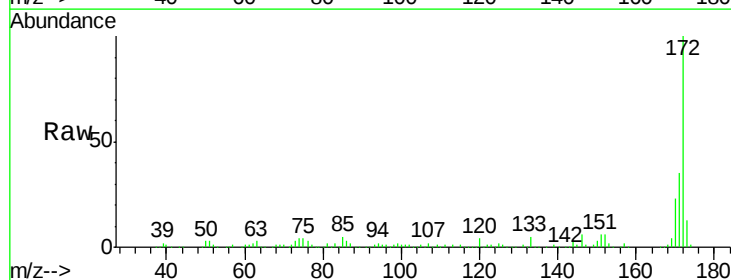
Instrument :
 BNA_F
 ClientSampleId :
 S-1

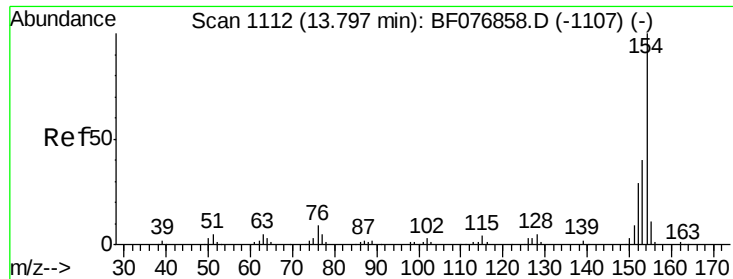
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.8	77.8	116.6
141	51.8	38.5	57.7



#44
 2-Fluorobiphenyl
 Concen: 94.90 ng
 RT: 13.53 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BF076947.D
 Acq: 20 Jan 2015 3:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	26.6	40.0
170	23.5	18.0	27.0





#45

1,1'-Biphenyl

Concen: 6.29 ng

RT: 13.74 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BF076947.D

Acq: 20 Jan 2015 3:27

Instrument :

BNA_F

ClientSampled :

S-1

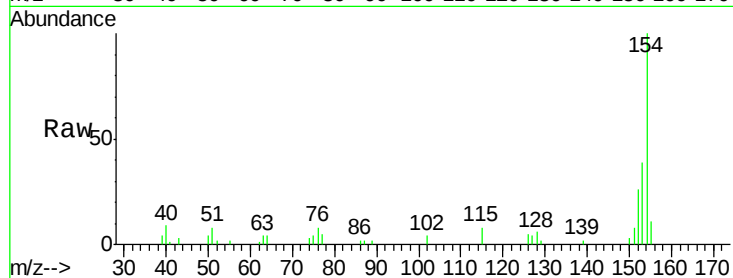
Tot Ion:154 Resp: 32431

Ion Ratio Lower Upper

154 100

153 39.4 20.2 60.2

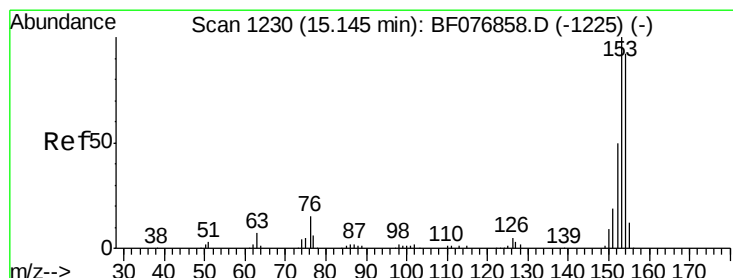
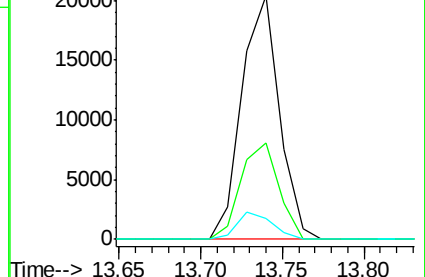
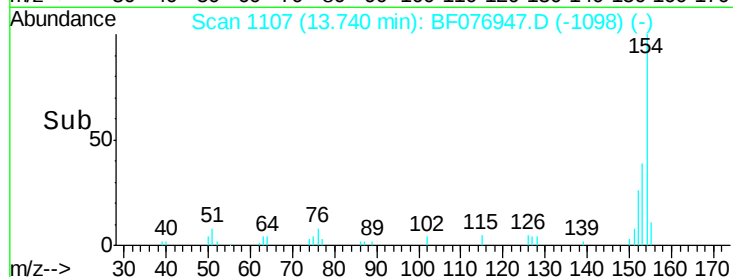
76 8.5 0.0 29.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#51

Acenaphthene

Concen: 2.24 ng

RT: 15.09 min Scan# 1225

Delta R.T. 0.00 min

Lab File: BF076947.D

Acq: 20 Jan 2015 3:27

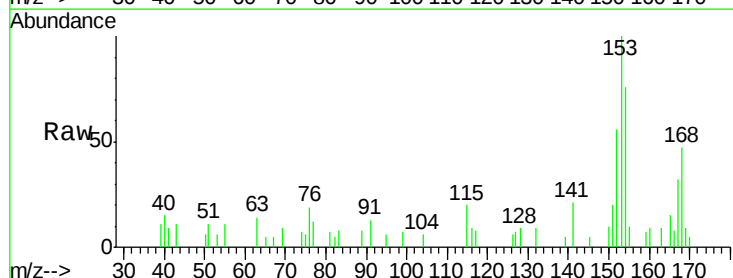
Tgt Ion:154 Resp: 9115

Ion Ratio Lower Upper

154 100

153 130.8 87.0 130.6#

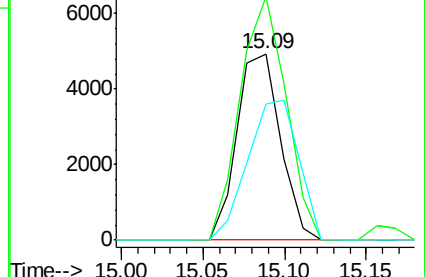
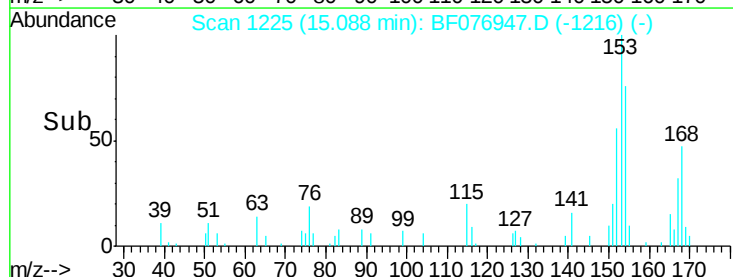
152 73.1 43.5 65.3#

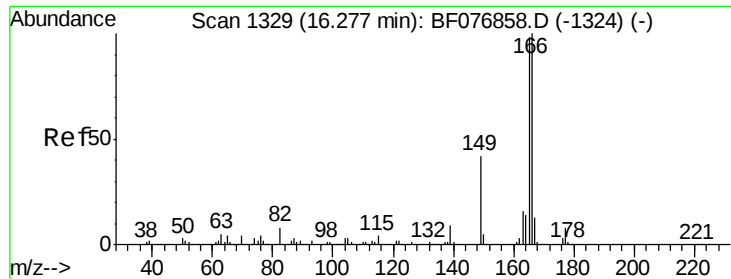


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

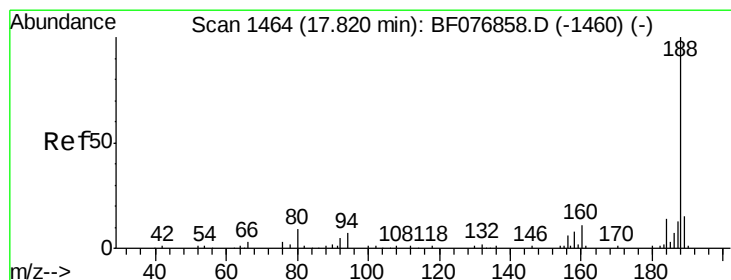
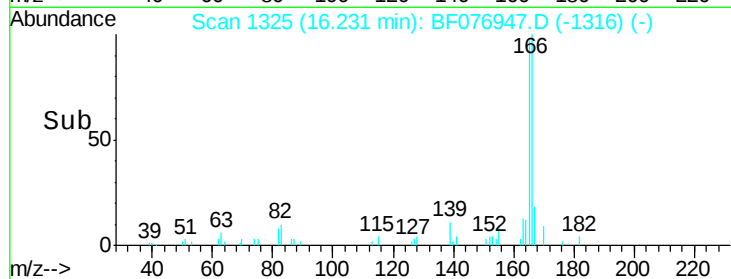
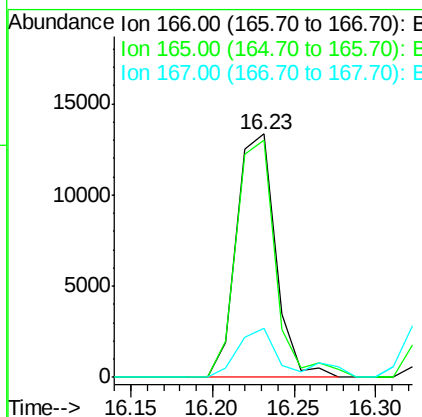
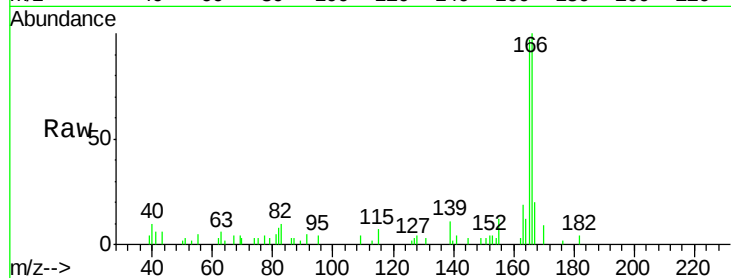




#57
Fluorene
 Concen: 4.39 ng
 RT: 16.23 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: BF076947.D
 Acq: 20 Jan 2015 3:27

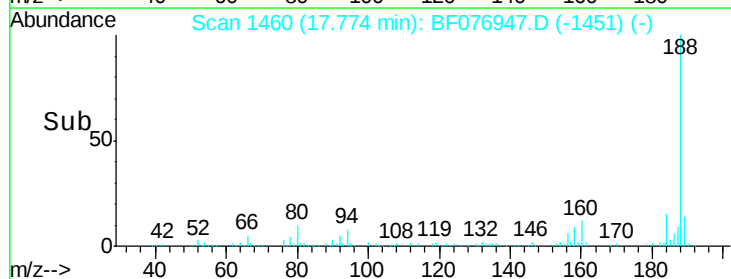
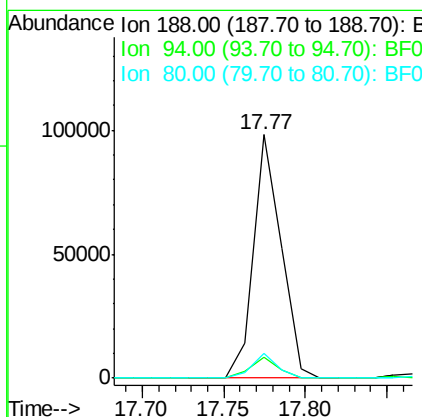
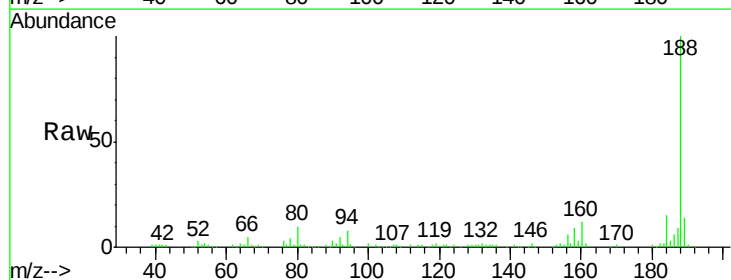
Instrument :
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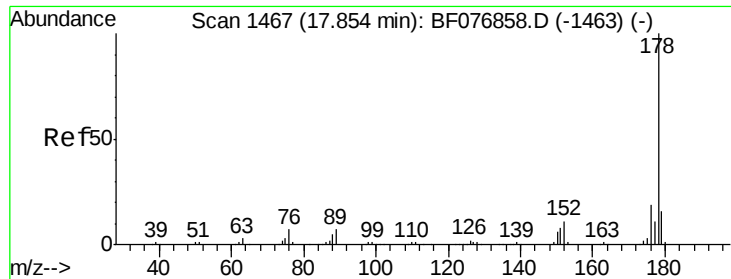
Tot Ion:166 Resp: 22024
 Ion Ratio Lower Upper
 166 100
 165 97.3 78.5 117.7
 167 20.2 10.4 15.6#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.77 min Scan# 1460
 Delta R.T. 0.00 min
 Lab File: BF076947.D
 Acq: 20 Jan 2015 3:27

Tgt Ion:188 Resp: 115823
 Ion Ratio Lower Upper
 188 100
 94 8.4 6.0 9.0
 80 10.2 6.9 10.3





#70

Phenanthrene

Concen: 4.45 ng

RT: 17.81 min Scan# 1463

Delta R.T. 0.00 min

Lab File: BF076947.D

Acq: 20 Jan 2015 3:27

Instrument :

BNA_F

ClientSampleId :

S-1

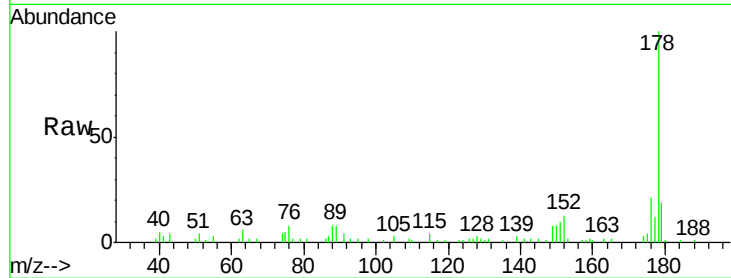
Tot Ion:178 Resp: 32126

Ion Ratio Lower Upper

178 100

176 21.5 15.1 22.7

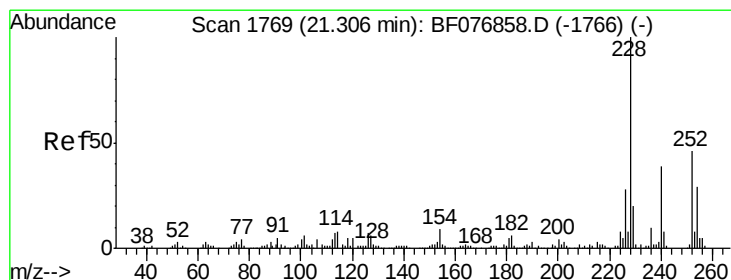
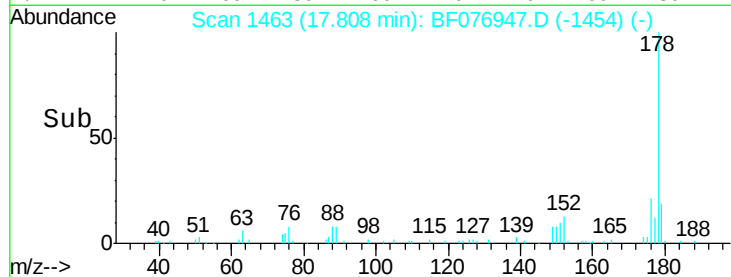
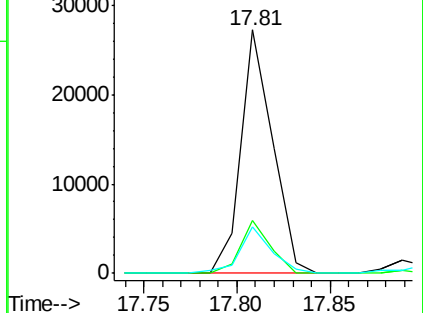
179 19.3 12.7 19.1#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.27 min Scan# 1766

Delta R.T. 0.00 min

Lab File: BF076947.D

Acq: 20 Jan 2015 3:27

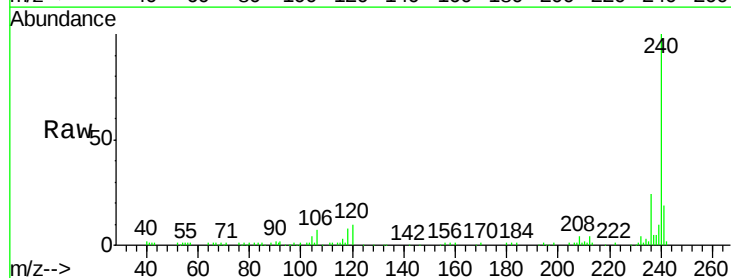
Tgt Ion:240 Resp: 111173

Ion Ratio Lower Upper

240 100

120 10.1 10.4 15.6#

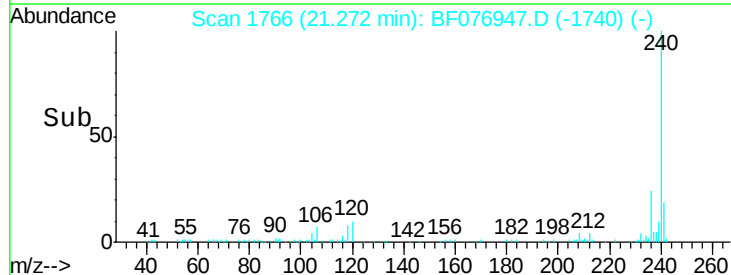
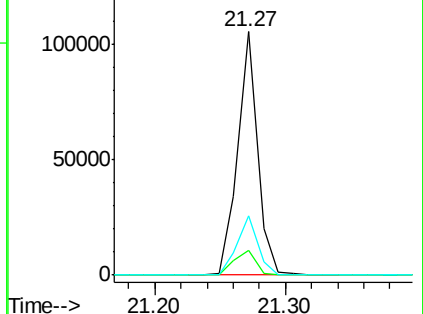
236 24.2 20.2 30.2

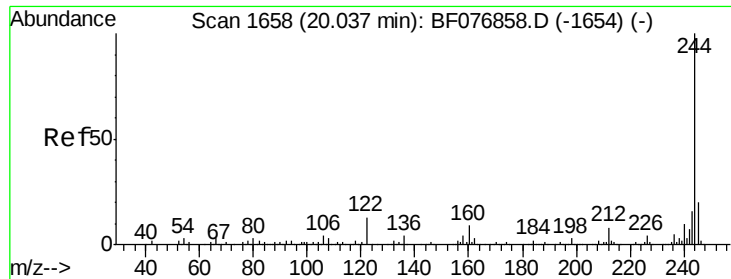


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 82.60 ng

RT: 20.00 min Scan# 1655

Delta R.T. 0.00 min

Lab File: BF076947.D

Acq: 20 Jan 2015 3:27

Instrument :

BNA_F

ClientSampleId :

S-1

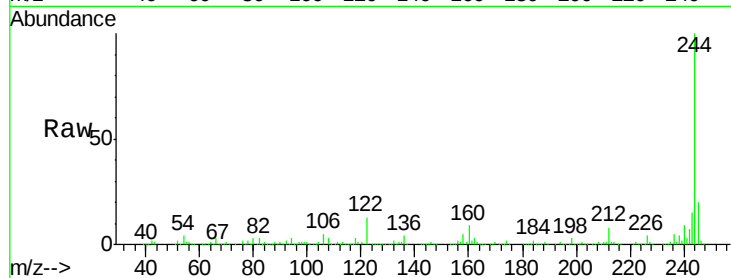
Tot Ion:244 Resp: 398897

Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

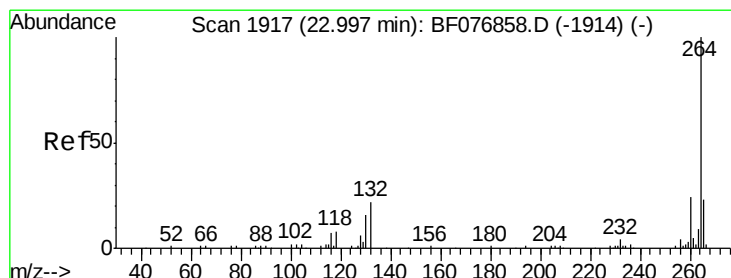
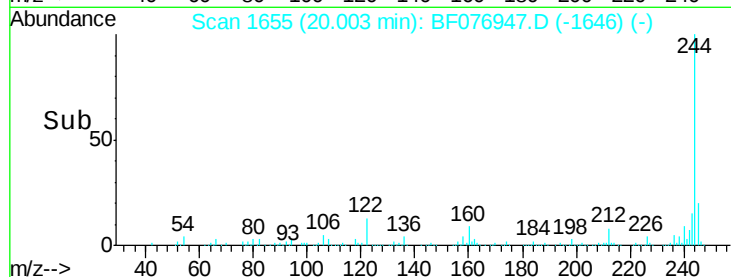
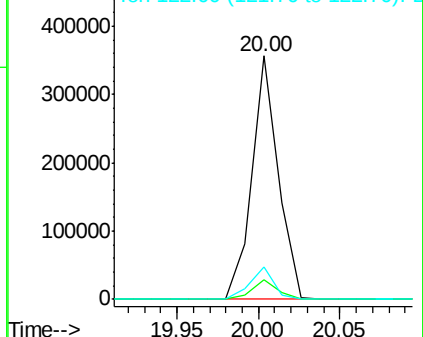
122 13.2 10.1 15.1



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: 22.92 min Scan# 1910

Delta R.T. -0.01 min

Lab File: BF076947.D

Acq: 20 Jan 2015 3:27

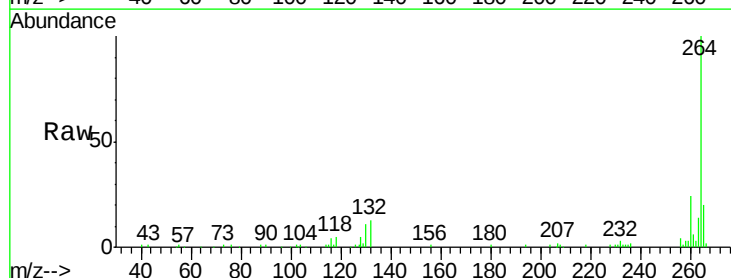
Tgt Ion:264 Resp: 103447

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

265 20.4 18.1 27.1



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

