

Data Path : Z:\HPCHEM1\BNA F\Data\BF011915\
 Data File : BF076953.D
 Acq On : 20 Jan 2015 6:53
 Operator : IZ / TP
 Sample : G1076-03
 Misc : W
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 20 07:35:58 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 06:05:35 2015
 Response via : Initial Calibration

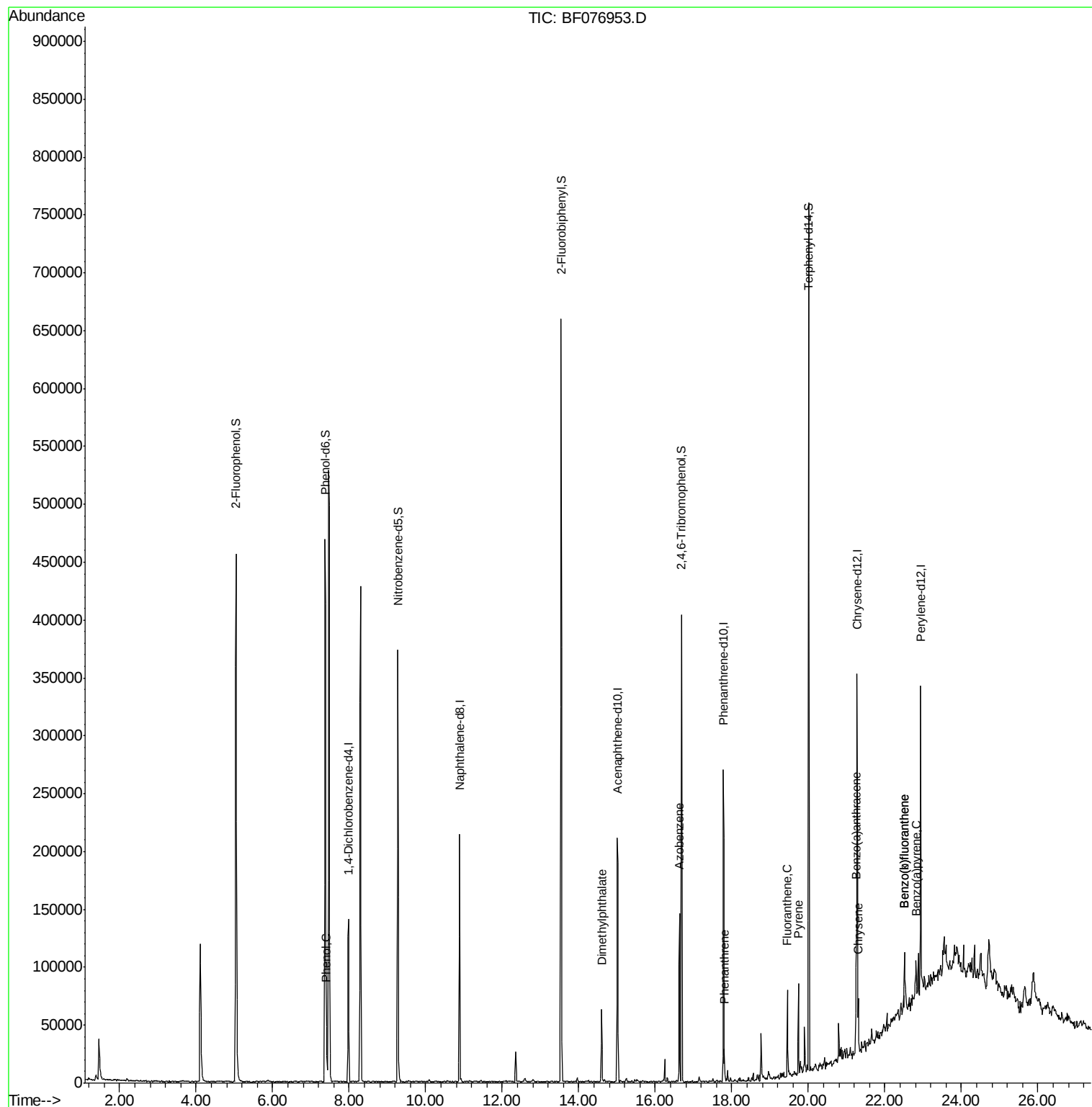
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	38151	20.00	ng	0.01
21) Naphthalene-d8	10.88	136	165610	20.00	ng	0.00
38) Acenaphthene-d10	15.01	164	88264	20.00	ng	0.00
63) Phenanthrene-d10	17.77	188	141218	20.00	ng	0.00
75) Chrysene-d12	21.27	240	126580	20.00	ng	0.00
86) Perylene-d12	22.93	264	118241	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	235362	101.43	ng	0.00
7) Phenol-d6	7.37	99	298292	101.90	ng	-0.01
23) Nitrobenzene-d5	9.27	82	187918	62.86	ng	0.00
41) 2,4,6-Tribromophenol	16.69	330	66721	93.13	ng	0.00
44) 2-Fluorobiphenyl	13.53	172	341672	58.91	ng	0.00
78) Terphenyl-d14	20.00	244	287683	52.32	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.41	94	12473	4.01	ng	91
49) Dimethylphthalate	14.60	163	44252	7.07	ng	100
62) Azobenzene	16.63	77	39138	5.94	ng	# 1
70) Phenanthrene	17.81	178	18462	2.10	ng	97
74) Fluoranthene	19.45	202	35217	3.90	ng	98
77) Pyrene	19.74	202	32846	3.79	ng	97
80) Benzo(a)anthracene	21.26	228	18813	2.37	ng	96
82) Chrysene	21.31	228	17496	2.42	ng	95
87) Benzo(b)fluoranthene	22.52	252	33323	4.18	ng	97
88) Benzo(k)fluoranthene	22.52	252	33323	4.79	ng	# 96
89) Benzo(a)pyrene	22.81	252	14267	2.03	ng	# 94

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

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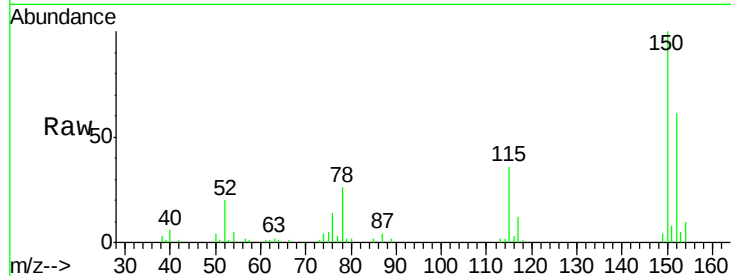


#1

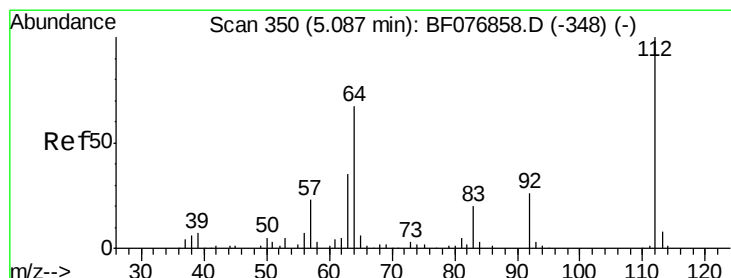
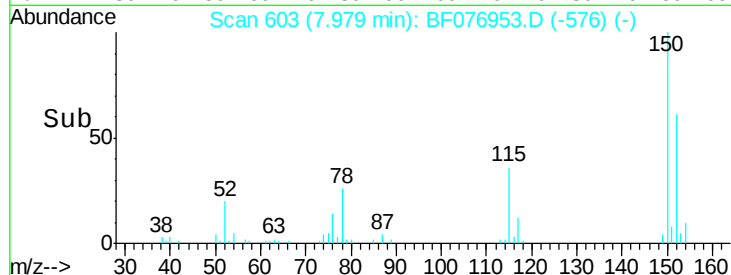
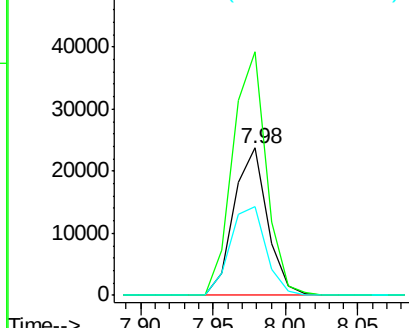
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.98 min Scan# 603
Delta R.T. 0.01 min
Lab File: BF076953.D
Acq: 20 Jan 2015 6:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 38151
Ion Ratio Lower Upper
152 100
150 165.1 121.7 182.5
115 59.8 47.0 70.6



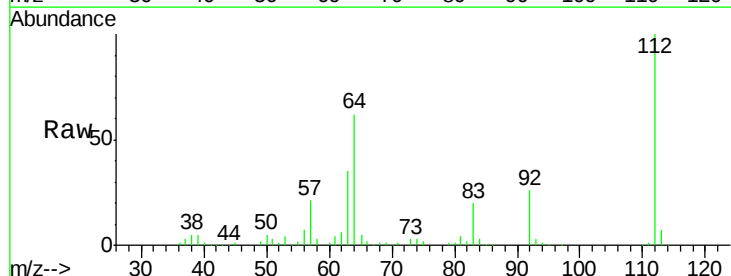
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



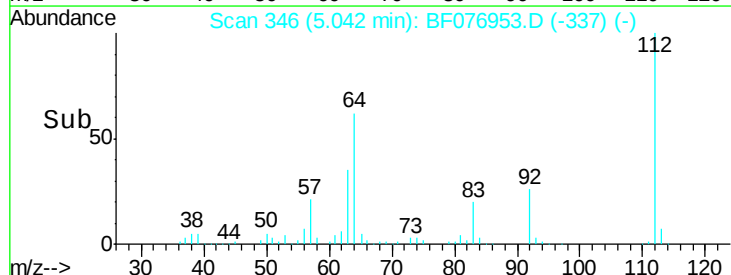
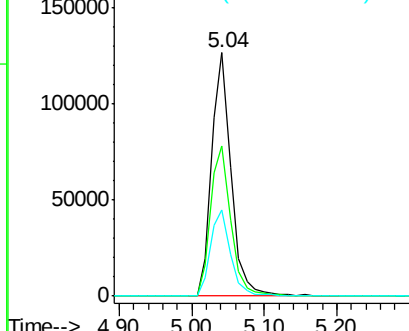
#5

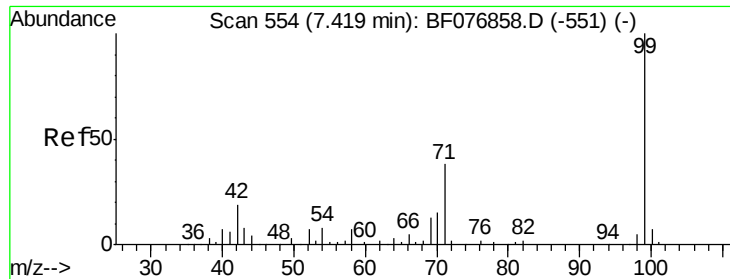
2-Fluorophenol
Concen: 101.43 ng
RT: 5.04 min Scan# 346
Delta R.T. 0.00 min
Lab File: BF076953.D
Acq: 20 Jan 2015 6:53

Tgt Ion:112 Resp: 235362
Ion Ratio Lower Upper
112 100
64 61.6 54.2 81.4
63 35.3 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: 101.90 ng

RT: 7.37 min Scan# 550

Delta R.T. -0.01 min

Lab File: BF076953.D

Acq: 20 Jan 2015 6:53

Instrument :

BNA_F

ClientSampleId :

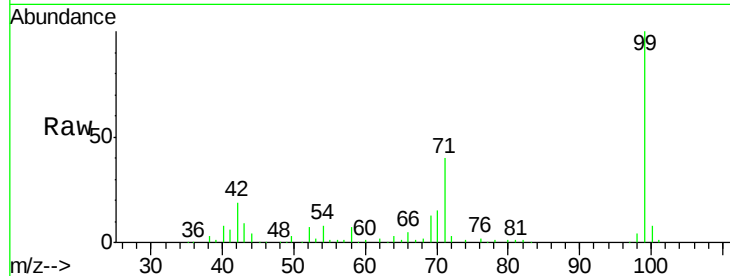
Tot Ion: 99 Resp: 298292

Ion Ratio Lower Upper

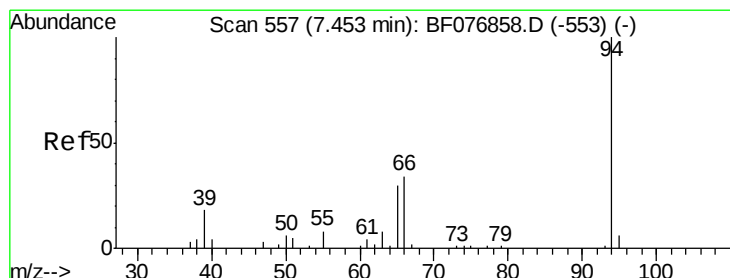
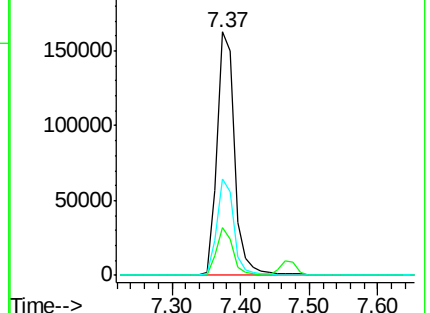
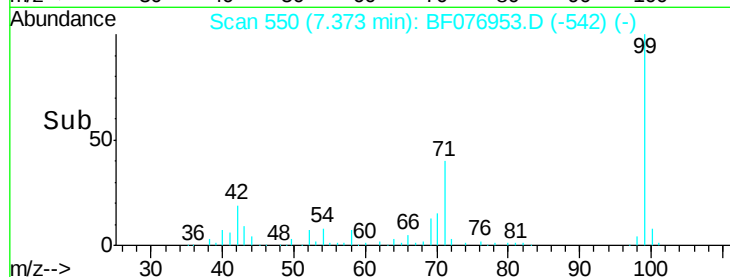
99 100

42 19.4 15.0 22.4

71 39.7 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



#10

Phenol

Concen: 4.01 ng

RT: 7.41 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF076953.D

Acq: 20 Jan 2015 6:53

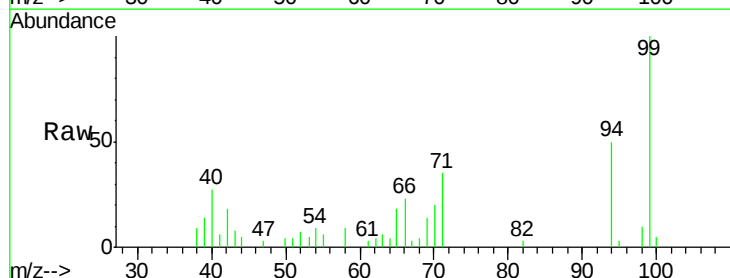
Tgt Ion: 94 Resp: 12473

Ion Ratio Lower Upper

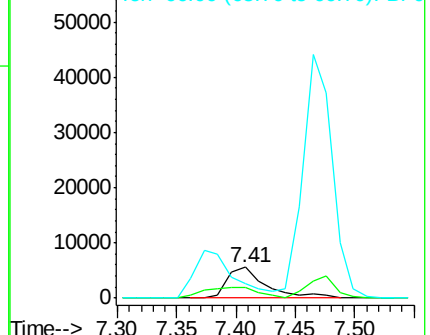
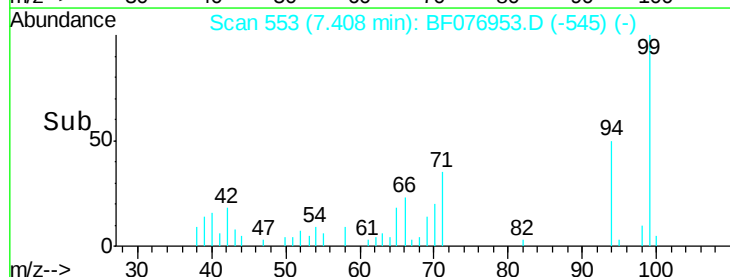
94 100

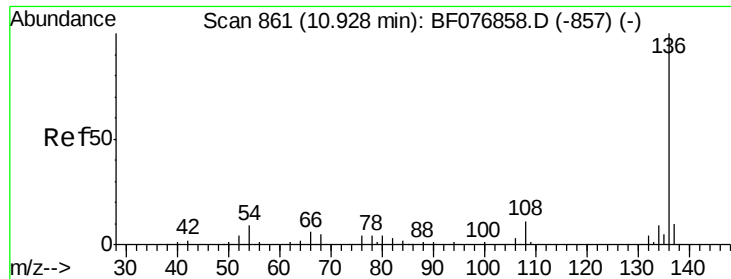
65 35.1 11.3 51.3

66 46.5 19.5 59.5



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

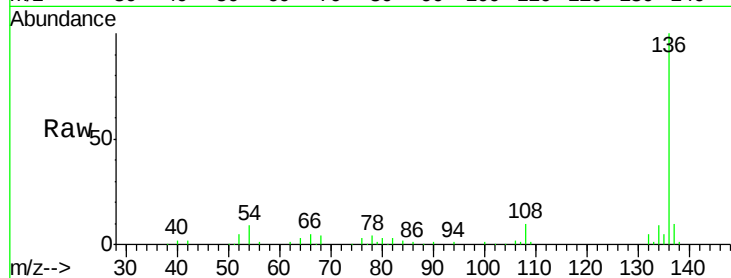




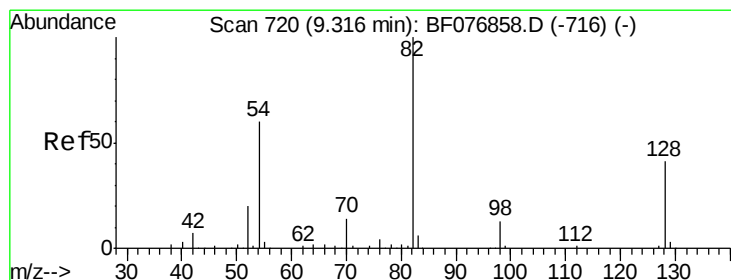
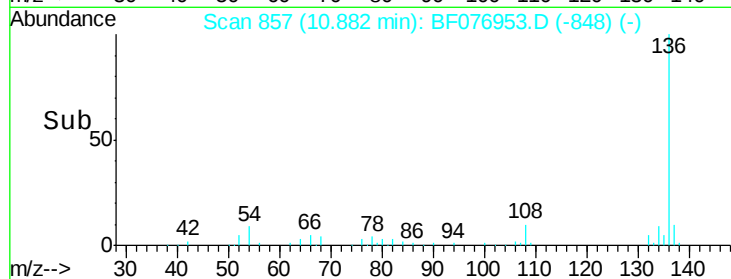
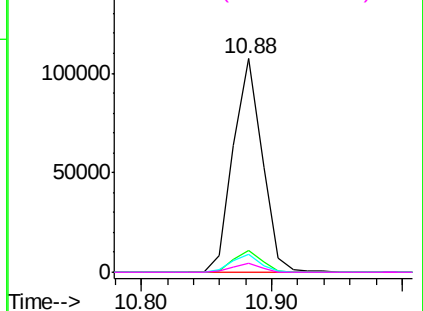
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.88 min Scan# 857
Delta R.T. 0.00 min
Lab File: BF076953.D
Acq: 20 Jan 2015 6:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	165610
Ion Ratio	Lower	Upper
136	100	
137	10.2	8.1 12.1
54	8.7	7.0 10.4
68	4.2	3.7 5.5

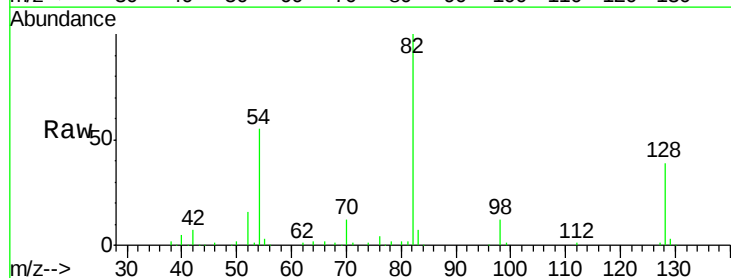


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

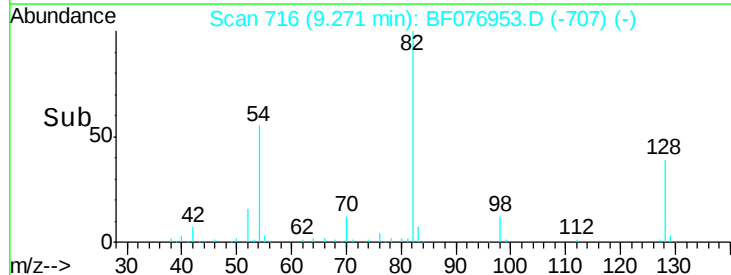
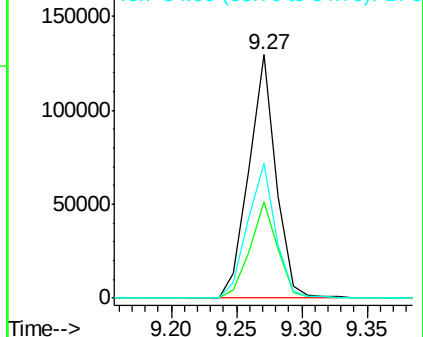


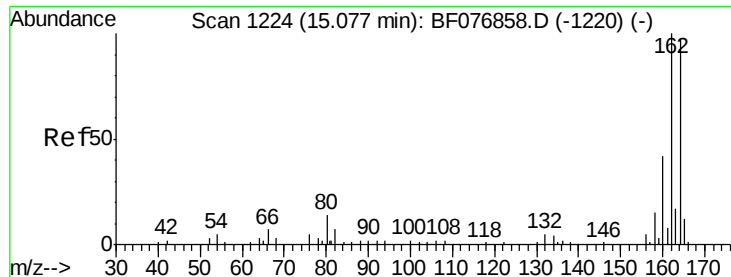
#23
Nitrobenzene-d5
Concen: 62.86 ng
RT: 9.27 min Scan# 716
Delta R.T. 0.00 min
Lab File: BF076953.D
Acq: 20 Jan 2015 6:53

Tgt Ion: 82	Resp:	187918
Ion Ratio	Lower	Upper
82	100	
128	39.4	33.1 49.7
54	55.2	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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.01 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BF076953.D

Acq: 20 Jan 2015 6:53

Instrument :

BNA_F

ClientSampleId :

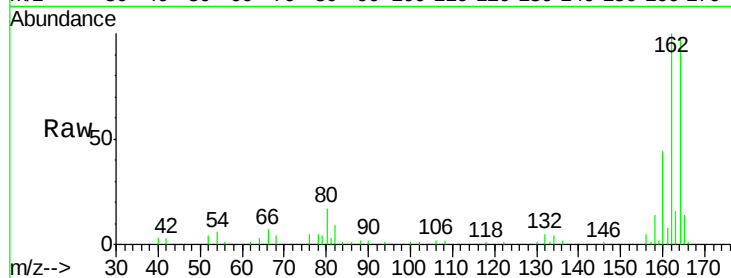
Tot Ion:164 Resp: 88264

Ion Ratio Lower Upper

164 100

162 101.7 82.4 123.6

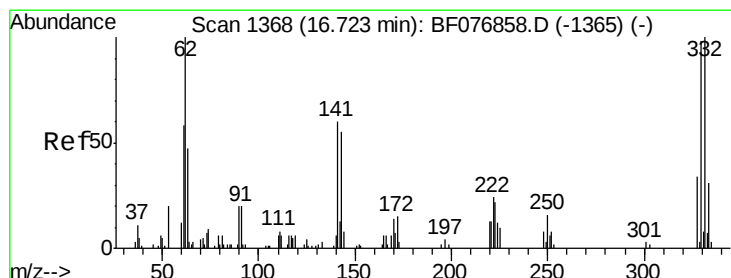
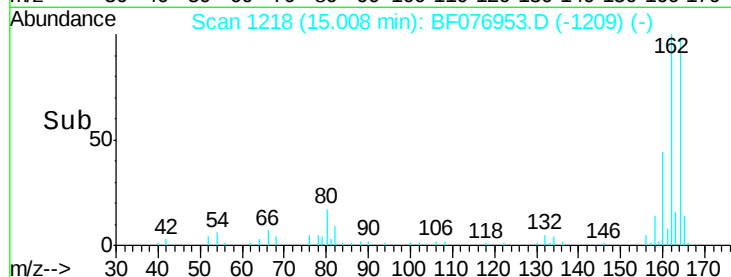
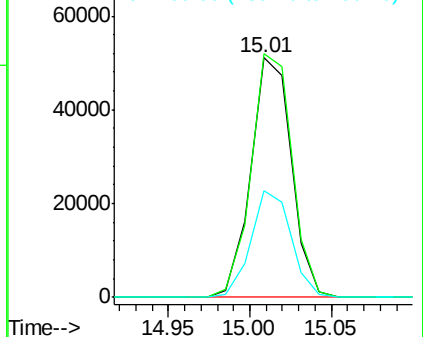
160 44.5 34.8 52.2



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: 93.13 ng

RT: 16.69 min Scan# 1365

Delta R.T. 0.00 min

Lab File: BF076953.D

Acq: 20 Jan 2015 6:53

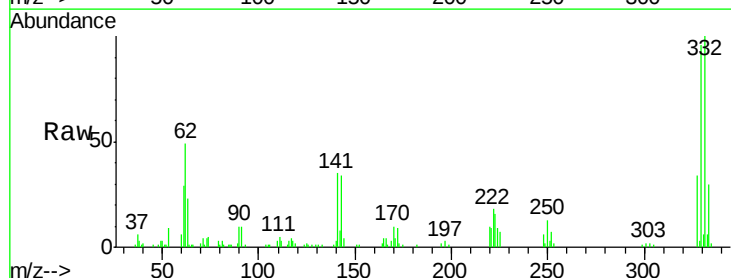
Tgt Ion:330 Resp: 66721

Ion Ratio Lower Upper

330 100

332 100.7 77.8 116.6

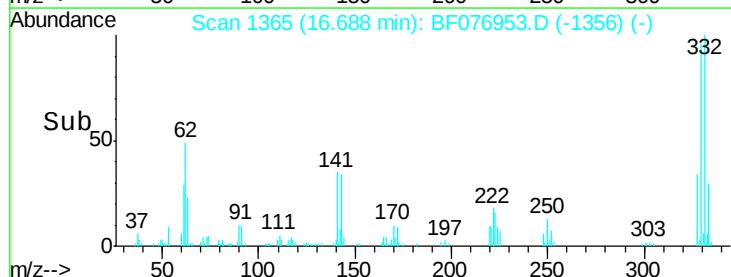
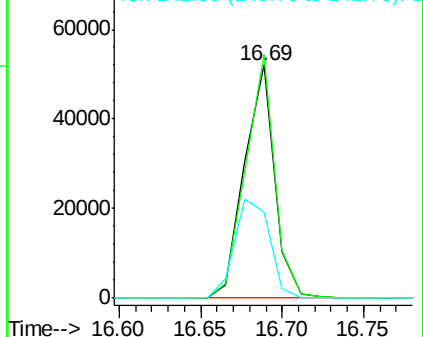
141 49.4 38.5 57.7

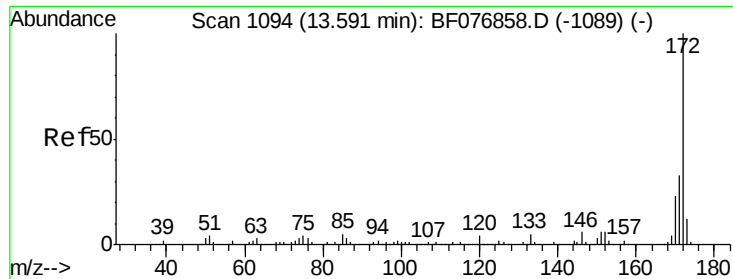


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

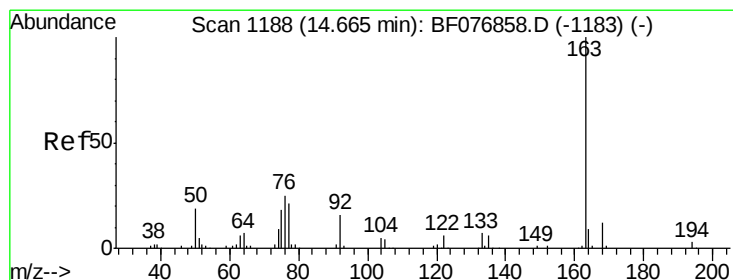
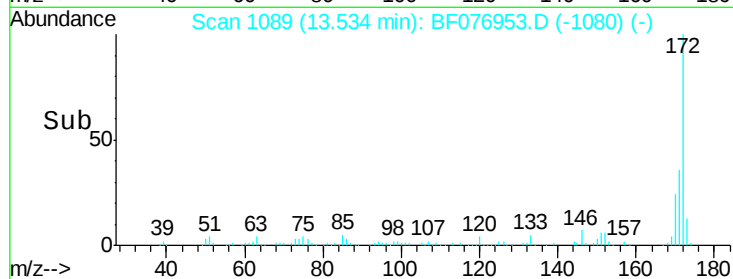
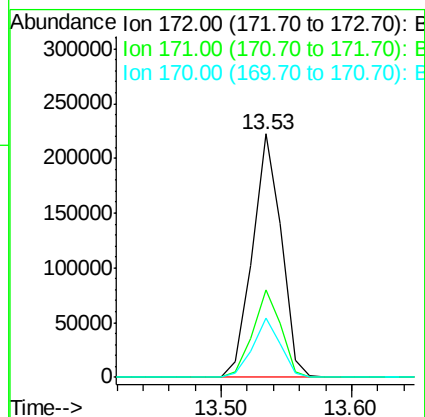
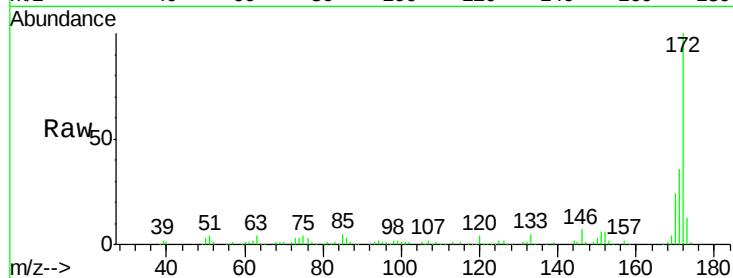




#44
2-Fluorobiphenyl
Concen: 58.91 ng
RT: 13.53 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BF076953.D
Acq: 20 Jan 2015 6:53

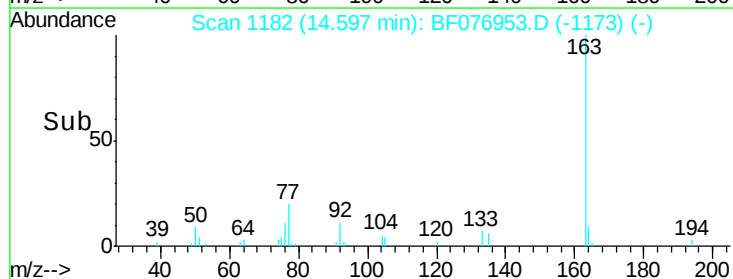
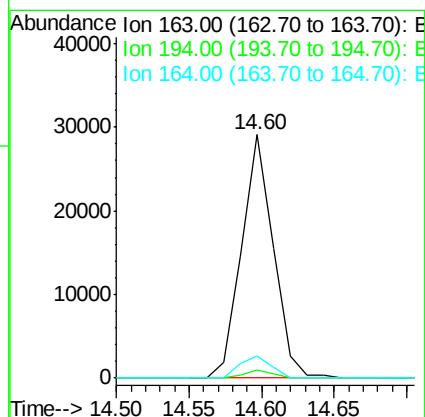
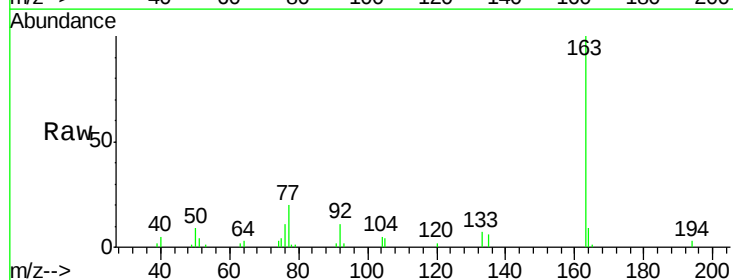
Instrument :
BNA_F
ClientSampleId :

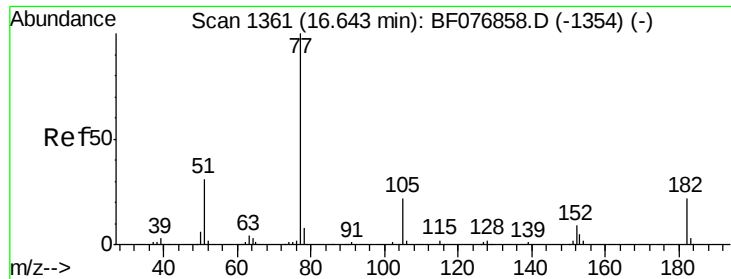
Tot Ion:172 Resp: 341672
Ion Ratio Lower Upper
172 100
171 36.1 26.6 40.0
170 24.3 18.0 27.0



#49
Dimethylphthalate
Concen: 7.07 ng
RT: 14.60 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BF076953.D
Acq: 20 Jan 2015 6:53

Tgt Ion:163 Resp: 44252
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 9.3 7.5 11.3





#62

Azobenzene

Concen: 5.94 ng

RT: 16.63 min Scan# 1360

Delta R.T. 0.00 min

Lab File: BF076953.D

Acq: 20 Jan 2015 6:53

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 39138

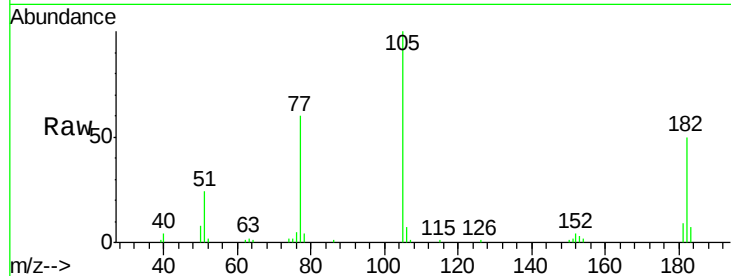
Ion Ratio Lower Upper

77 100

182 83.8 2.0 42.0#

105 166.0 2.3 42.3#

51 39.7 10.7 50.7

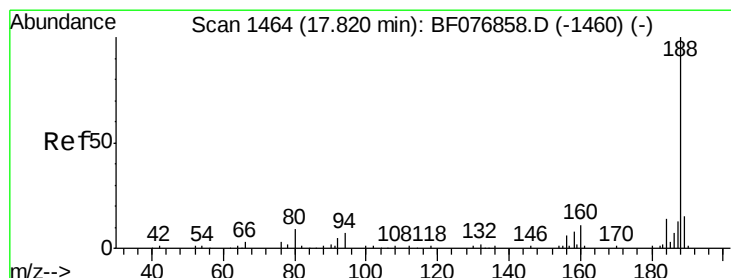
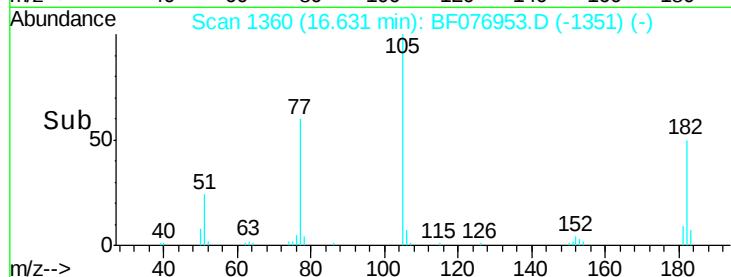
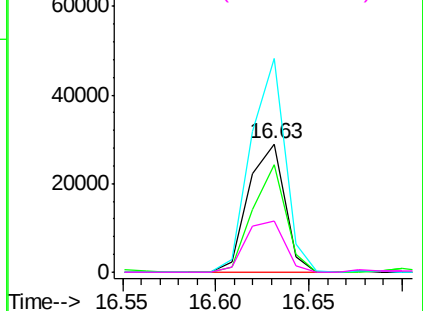


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.77 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF076953.D

Acq: 20 Jan 2015 6:53

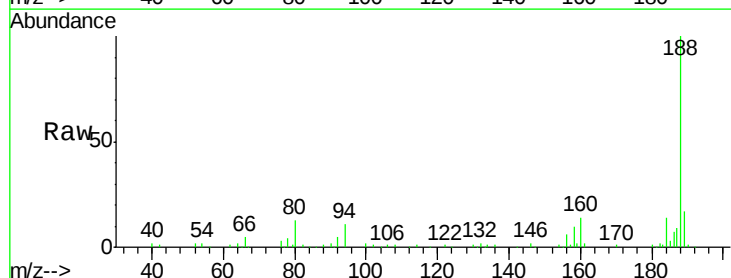
Tgt Ion: 188 Resp: 141218

Ion Ratio Lower Upper

188 100

94 11.1 6.0 9.0#

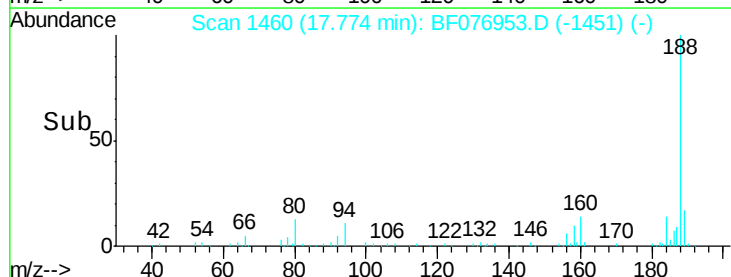
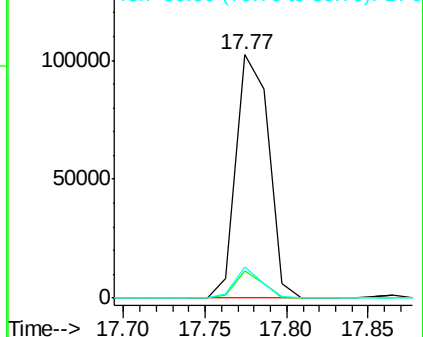
80 12.6 6.9 10.3#

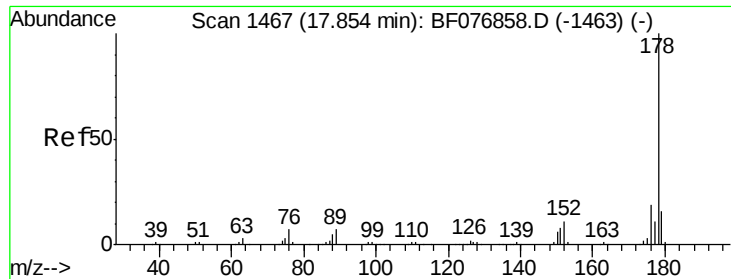


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

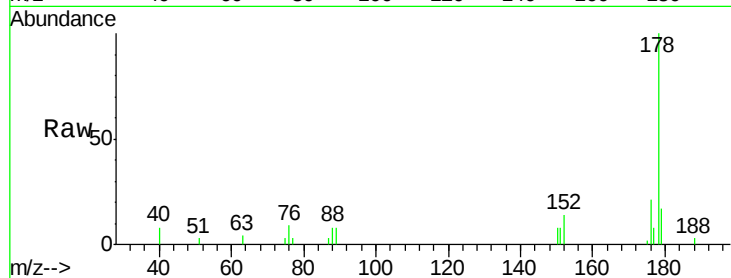




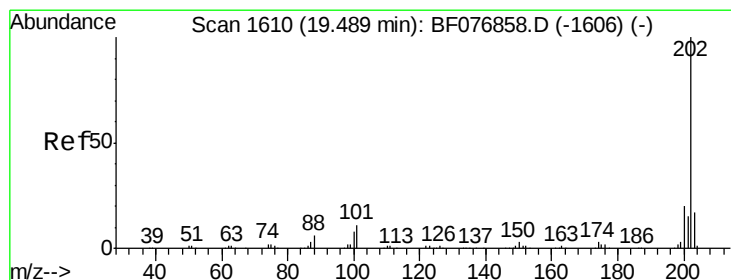
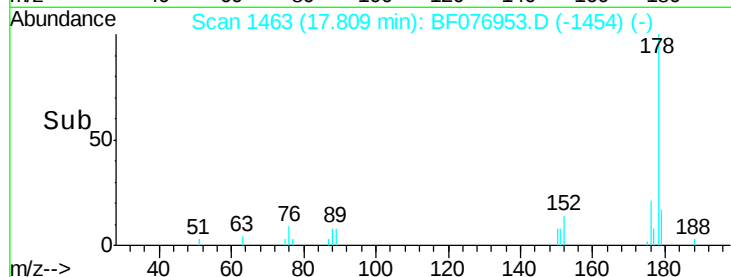
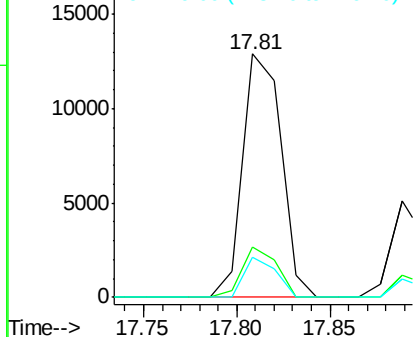
#70
 Phenanthrene
 Concen: 2.10 ng
 RT: 17.81 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: BF076953.D
 Acq: 20 Jan 2015 6:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 18462
 Ion Ratio Lower Upper
 178 100
 176 20.9 15.1 22.7
 179 16.5 12.7 19.1

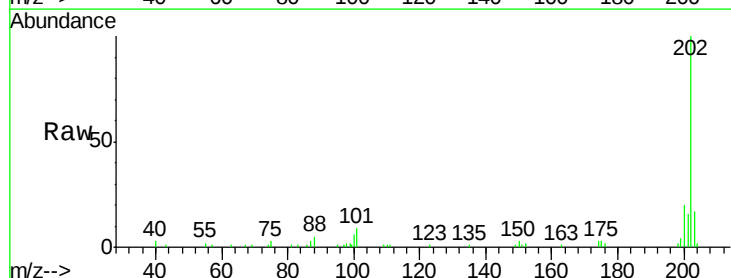


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

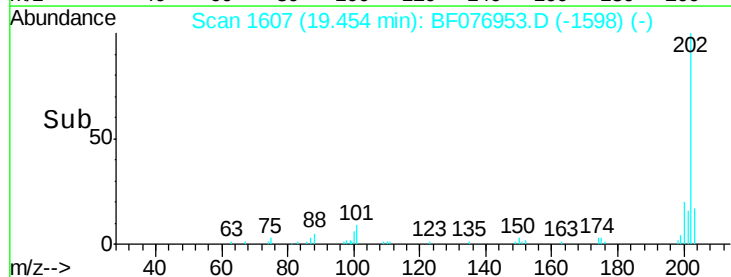
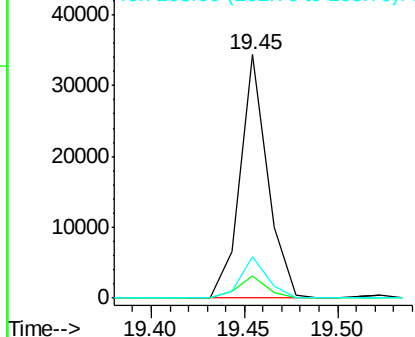


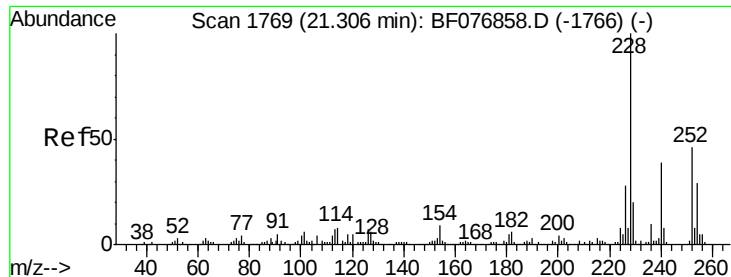
#74
 Fluoranthene
 Concen: 3.90 ng
 RT: 19.45 min Scan# 1607
 Delta R.T. 0.00 min
 Lab File: BF076953.D
 Acq: 20 Jan 2015 6:53

Tgt Ion:202 Resp: 35217
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 30.7
 203 17.0 0.0 36.9



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.27 min Scan# 1766

Delta R.T. 0.00 min

Lab File: BF076953.D

Acq: 20 Jan 2015 6:53

Instrument :

BNA_F

ClientSampleId :

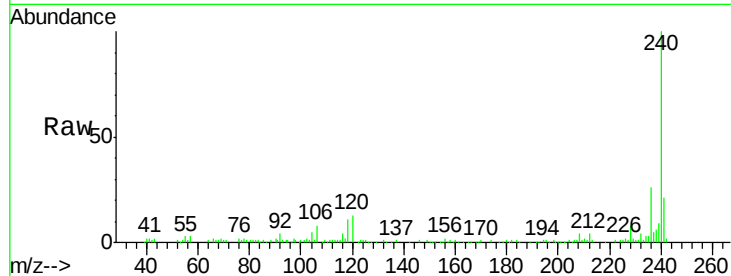
Tot Ion:240 Resp: 126580

Ion Ratio Lower Upper

240 100

120 12.8 10.4 15.6

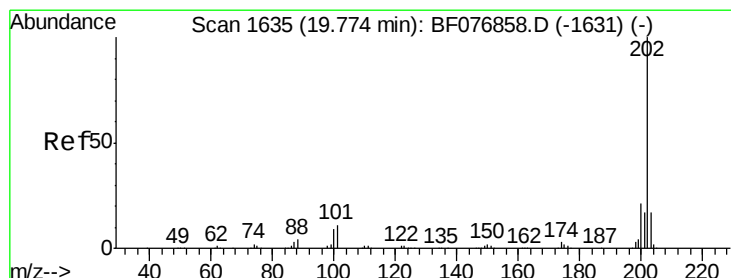
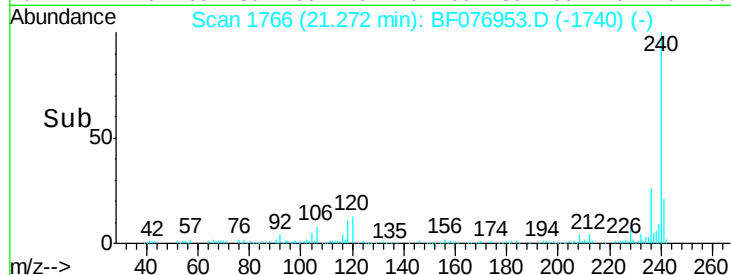
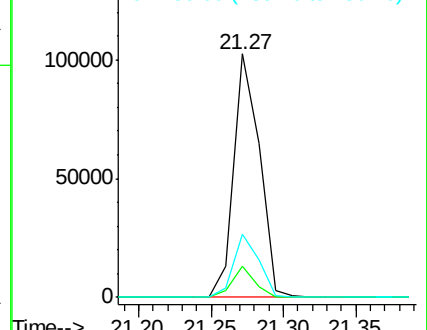
236 26.1 20.2 30.2



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



#77

Pyrene

Concen: 3.79 ng

RT: 19.74 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BF076953.D

Acq: 20 Jan 2015 6:53

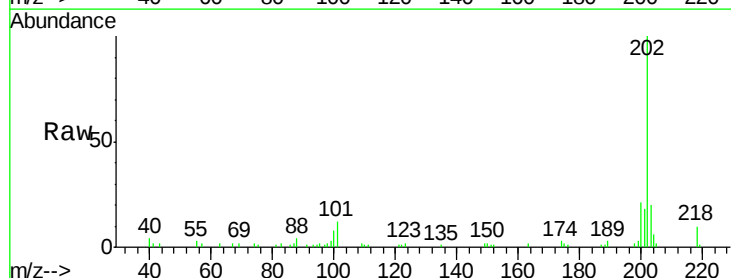
Tgt Ion:202 Resp: 32846

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

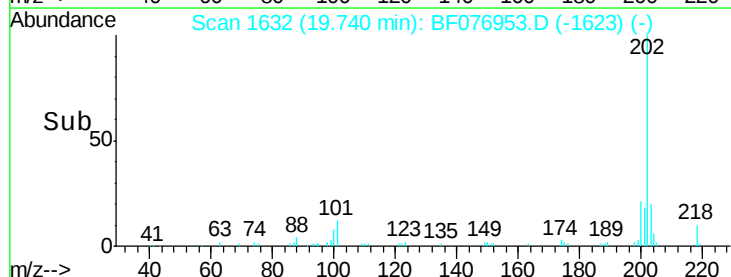
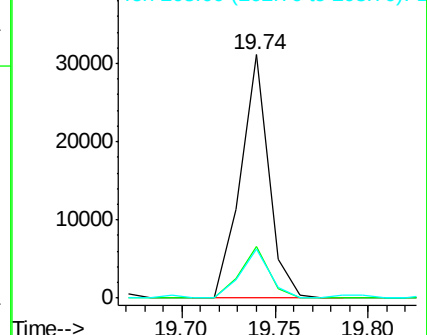
203 20.2 14.0 21.0

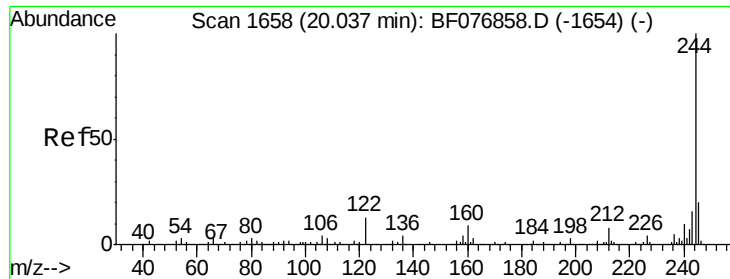


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

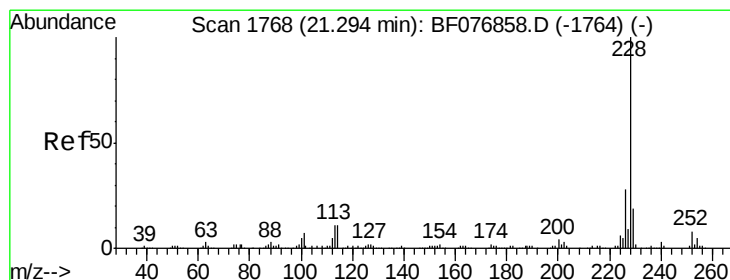
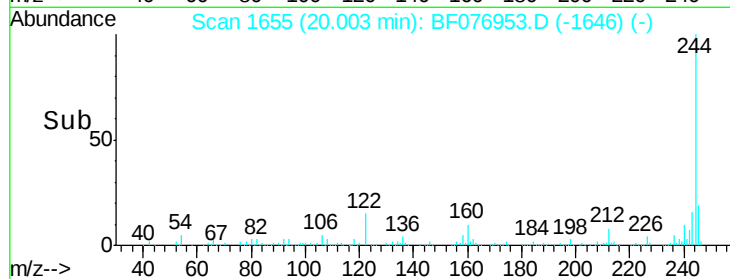
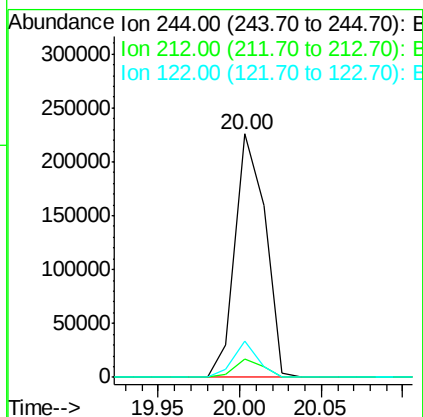
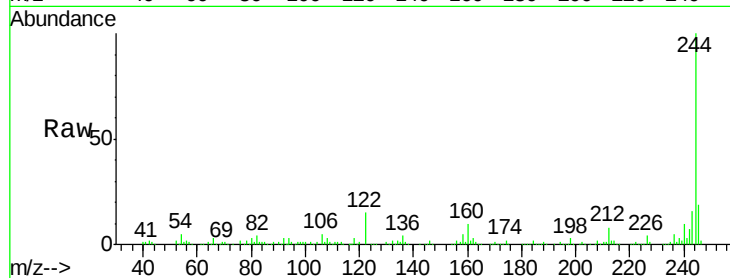




#78
 Terphenyl-d14
 Concen: 52.32 ng
 RT: 20.00 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: BF076953.D
 Acq: 20 Jan 2015 6:53

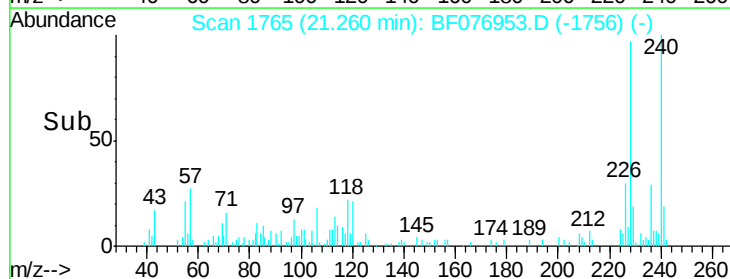
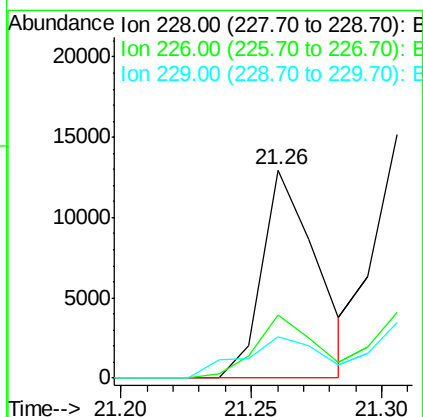
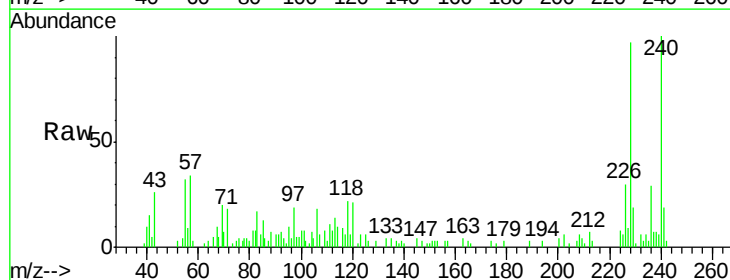
Instrument :
 BNA_F
 ClientSampleId :

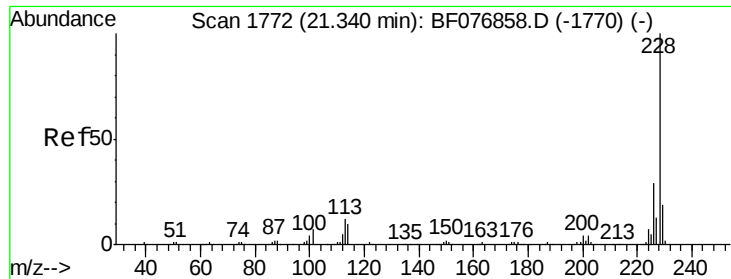
Tot Ion:244 Resp: 287683
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.3 9.5
 122 14.7 10.1 15.1



#80
 Benzo(a)anthracene
 Concen: 2.37 ng
 RT: 21.26 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: BF076953.D
 Acq: 20 Jan 2015 6:53

Tgt Ion:228 Resp: 18813
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.1 33.1
 229 19.9 15.5 23.3

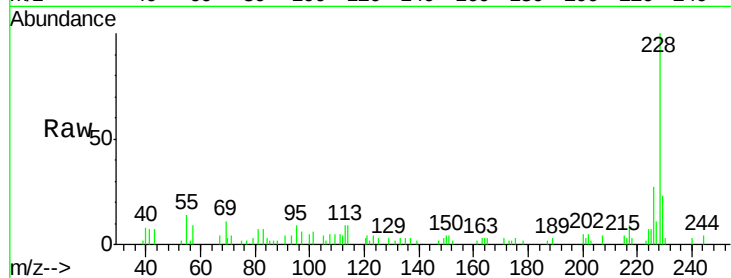




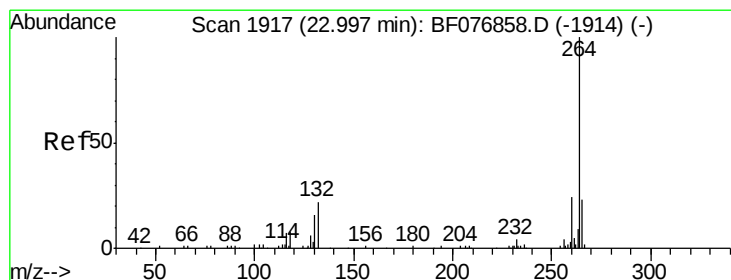
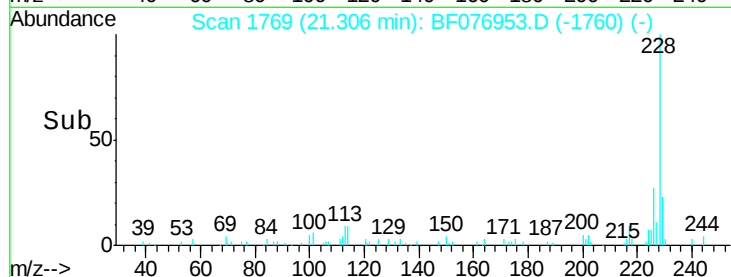
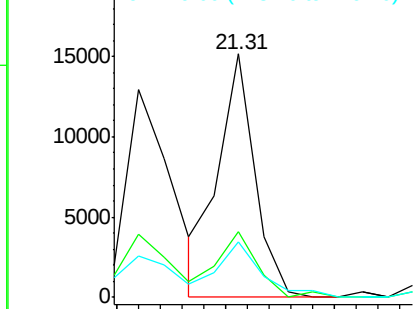
#82
Chrysene
Concen: 2.42 ng
RT: 21.31 min Scan# 1769
Delta R.T. 0.00 min
Lab File: BF076953.D
Acq: 20 Jan 2015 6:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 17496
Ion Ratio Lower Upper
228 100
226 27.0 23.4 35.0
229 22.6 15.4 23.0

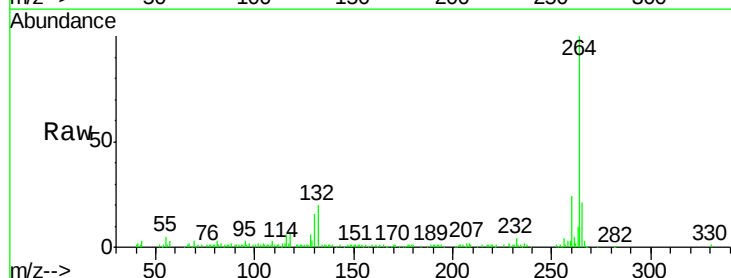


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

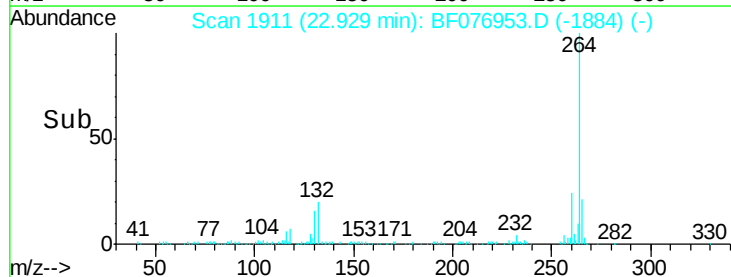
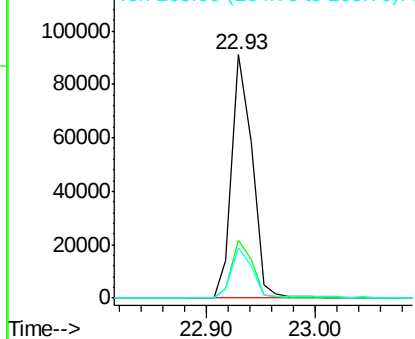


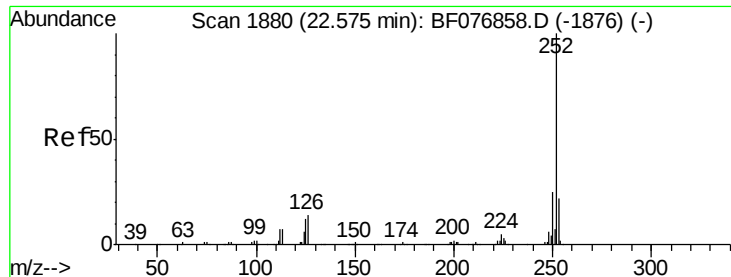
#86
Perylene-d12
Concen: 20.00 ng
RT: 22.93 min Scan# 1911
Delta R.T. 0.01 min
Lab File: BF076953.D
Acq: 20 Jan 2015 6:53

Tgt Ion:264 Resp: 118241
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.4
265 20.5 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

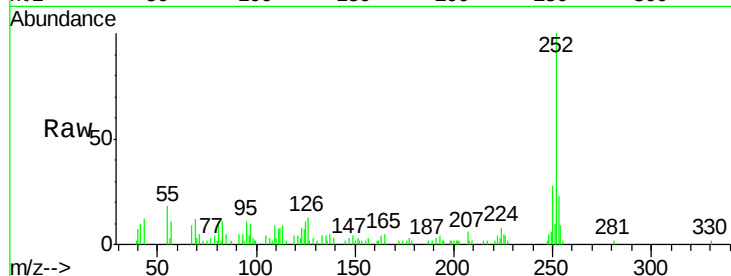




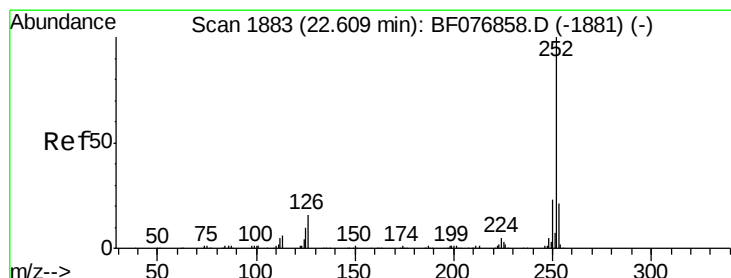
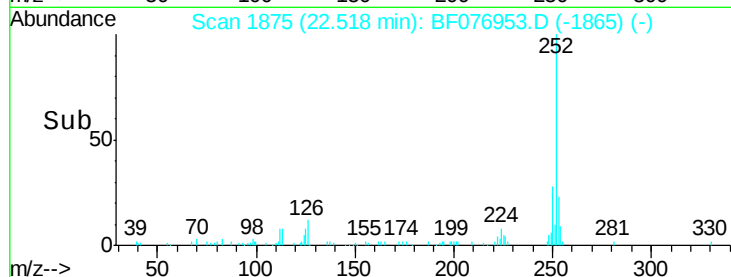
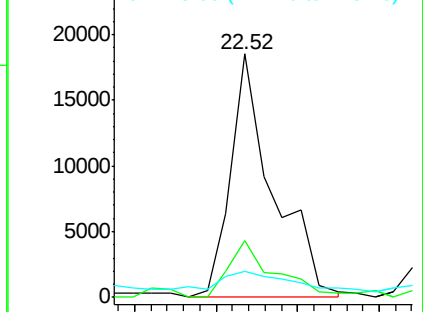
#87
Benzo(b)fluoranthene
Concen: 4.18 ng
RT: 22.52 min Scan# 1875
Delta R.T. 0.01 min
Lab File: BF076953.D
Acq: 20 Jan 2015 6:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	10.8	9.4	14.0

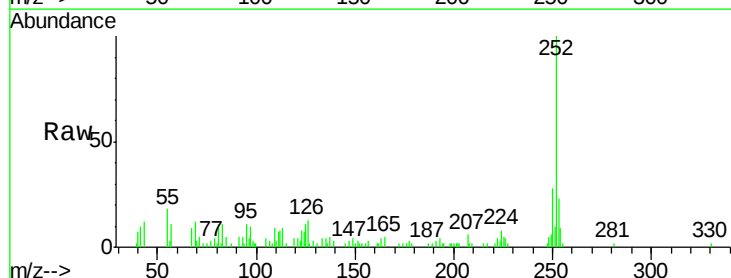


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

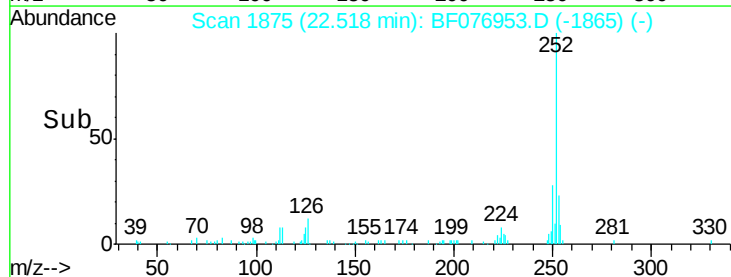
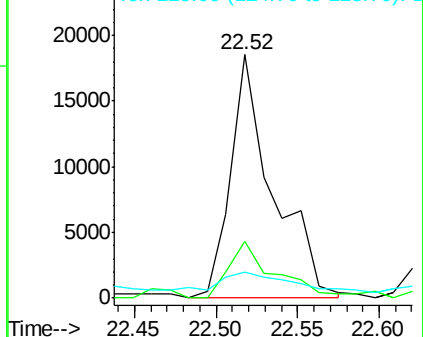


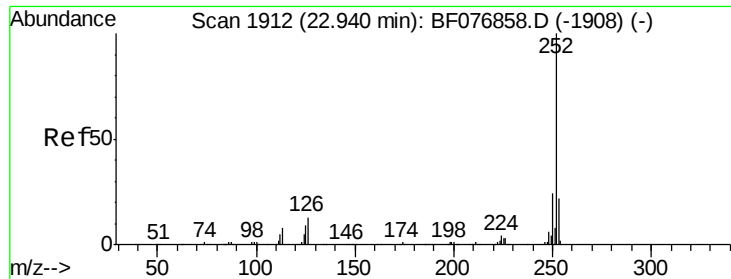
#88
Benzo(k)fluoranthene
Concen: 4.79 ng
RT: 22.52 min Scan# 1875
Delta R.T. 0.01 min
Lab File: BF076953.D
Acq: 20 Jan 2015 6:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.2	25.8
125	10.8	7.1	10.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.03 ng

RT: 22.81 min Scan# 1901

Delta R.T. 0.01 min

Lab File: BF076953.D

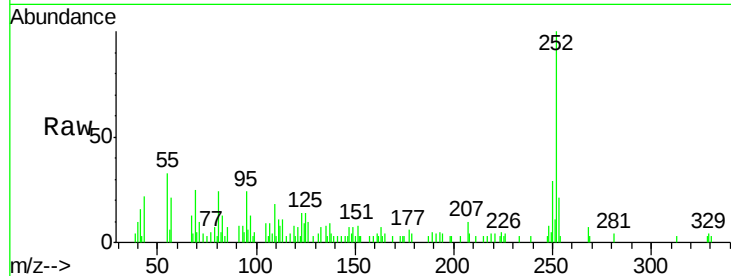
Acq: 20 Jan 2015 6:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	14267
Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.9	26.9
125	13.6	7.2	10.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

