

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078523.D
 Acq On : 15 Apr 2015 2:42
 Operator : TP/IZ
 Sample : G1823-03 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Quant Time: Apr 15 02:39:35 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 01:10:59 2015
 Response via : Initial Calibration

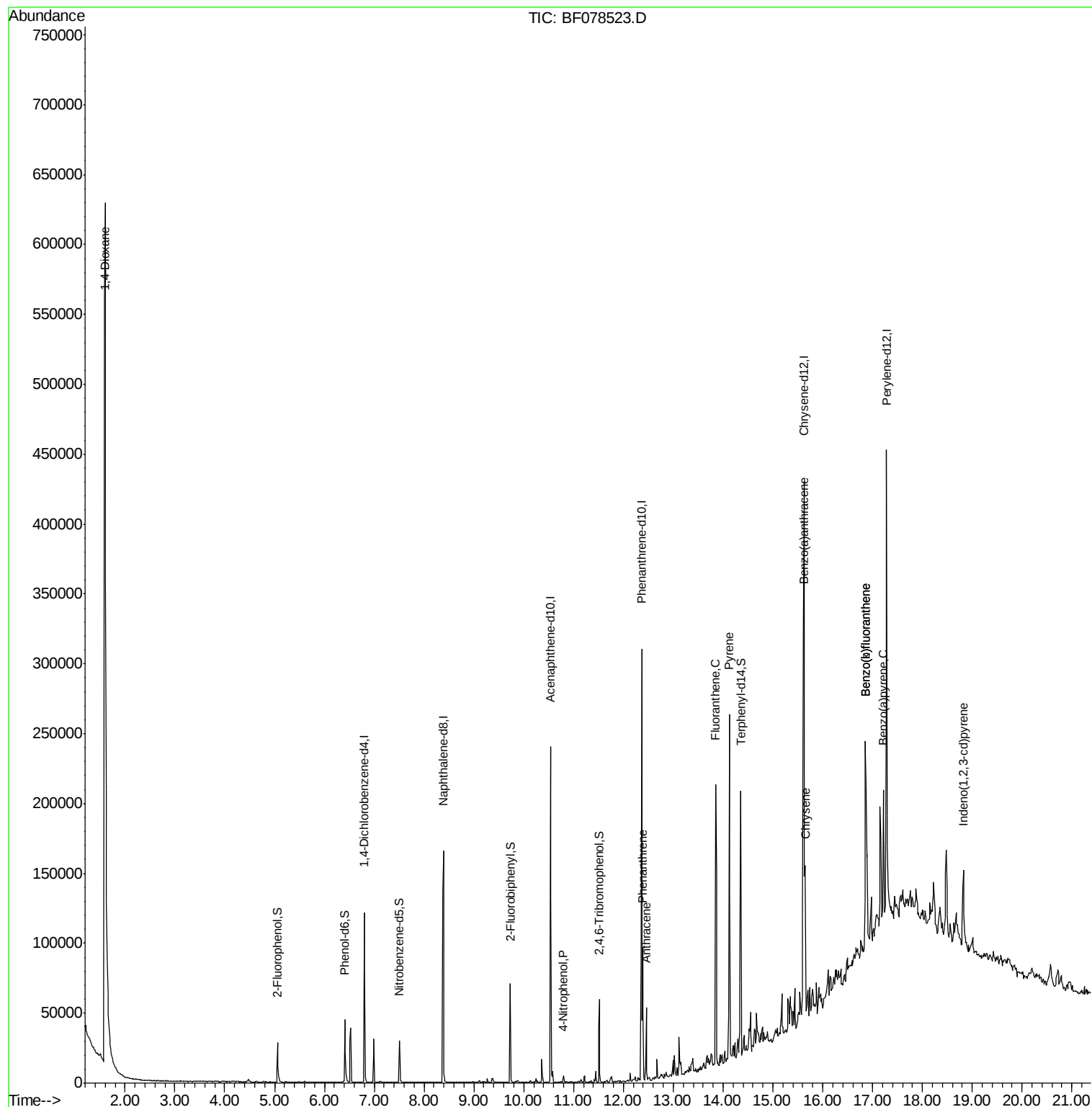
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	24692	20.00	ng	0.00
21) Naphthalene-d8	8.39	136	112401	20.00	ng	0.00
38) Acenaphthene-d10	10.54	164	58524	20.00	ng	0.00
63) Phenanthrene-d10	12.37	188	123463	20.00	ng	0.00
75) Chrysene-d12	15.62	240	142262	20.00	ng	-0.03
86) Perylene-d12	17.28	264	144293	20.00	ng	-0.21
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	13098	8.75	ng	0.01
7) Phenol-d6	6.41	99	22240	11.85	ng	0.00
23) Nitrobenzene-d5	7.51	82	10989	5.93	ng	0.00
41) 2,4,6-Tribromophenol	11.52	330	9533	19.64	ng	0.00
44) 2-Fluorobiphenyl	9.74	172	37290	9.11	ng	0.00
78) Terphenyl-d14	14.35	244	64682	10.27	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	1.60	88	31397	46.36	ng	# 27
55) 4-Nitrophenol	10.80	139	1044	4.10	ng	# 18
70) Phenanthrene	12.39	178	45129	6.32	ng	98
71) Anthracene	12.46	178	22796	3.24	ng	99
74) Fluoranthene	13.85	202	109490	14.54	ng	98
77) Pyrene	14.13	202	104843	11.74	ng	# 94
80) Benzo(a)anthracene	15.61	228	68668	8.11	ng	96
82) Chrysene	15.66	228	52622	6.62	ng	96
85) Indeno(1,2,3-cd)pyrene	18.82	276	37571	4.16	ng	# 90
87) Benzo(b)fluoranthene	16.86	252	73672	8.26	ng	# 95
88) Benzo(k)fluoranthene	16.86	252	110798	13.98	ng	99
89) Benzo(a)pyrene	17.21	252	48411	6.22	ng	# 88

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 491

Delta R.T. -0.00 min

Lab File: BF078523.D

Acq: 15 Apr 2015 2:42

Instrument :

BNA_F

ClientSampleId :

SP-2

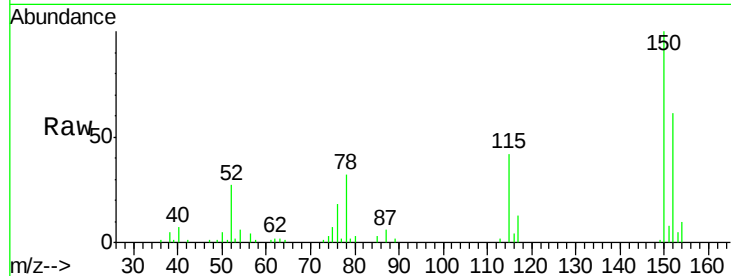
Tgt Ion:152 Resp: 24692

Ion Ratio Lower Upper

152 100

150 162.8 125.9 188.9

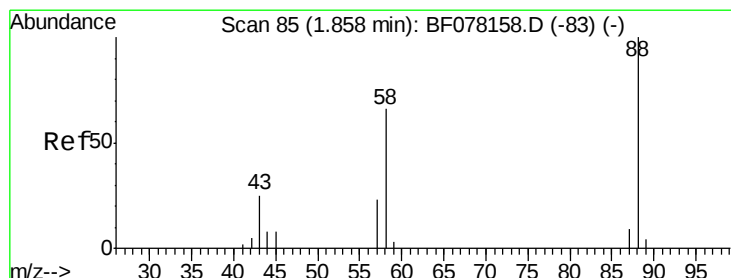
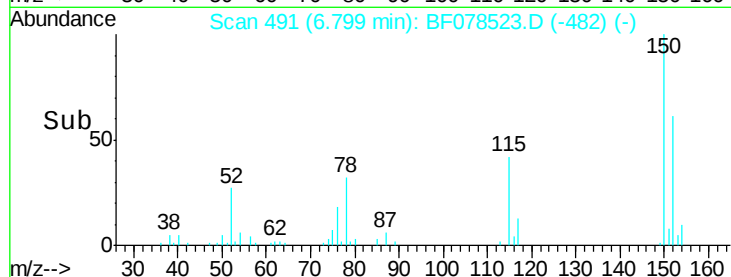
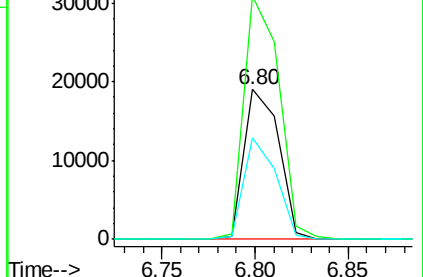
115 67.8 52.7 79.1



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



#2

1,4-Dioxane

Concen: 46.36 ng

RT: 1.60 min Scan# 36

Delta R.T. 0.01 min

Lab File: BF078523.D

Acq: 15 Apr 2015 2:42

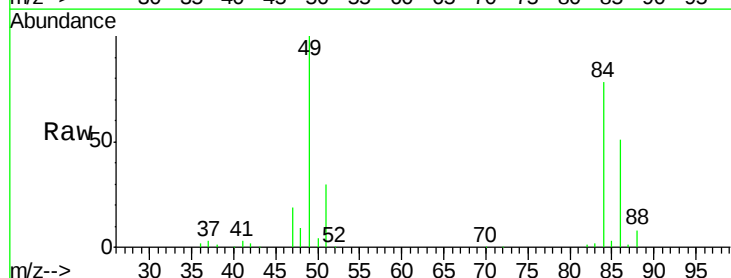
Tgt Ion: 88 Resp: 31397

Ion Ratio Lower Upper

88 100

58 0.0 56.9 85.3#

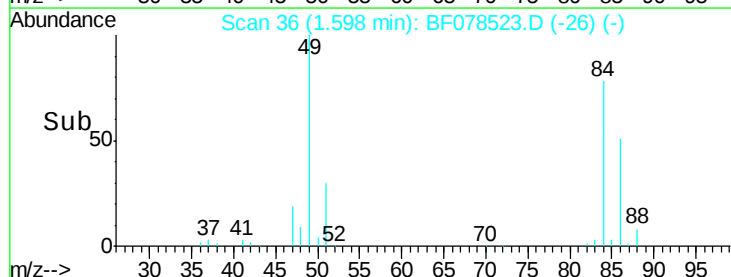
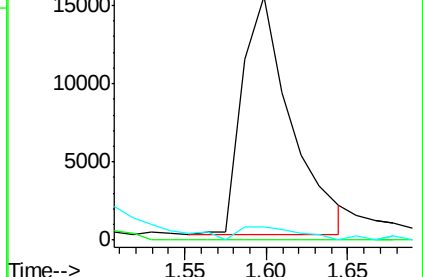
43 6.9 21.4 32.2#

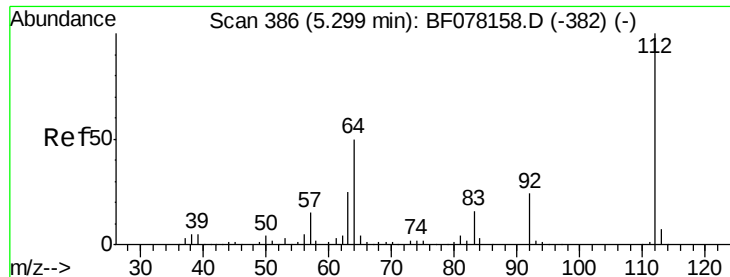


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

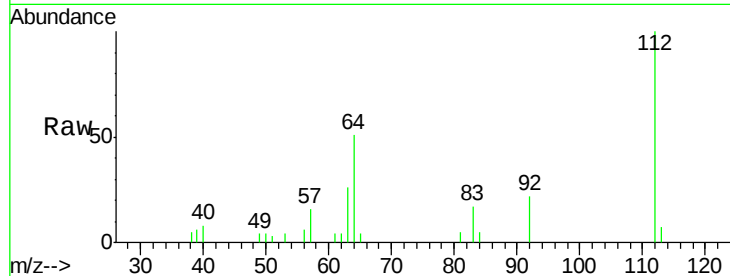




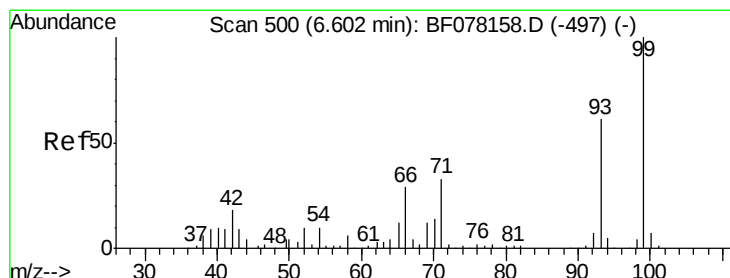
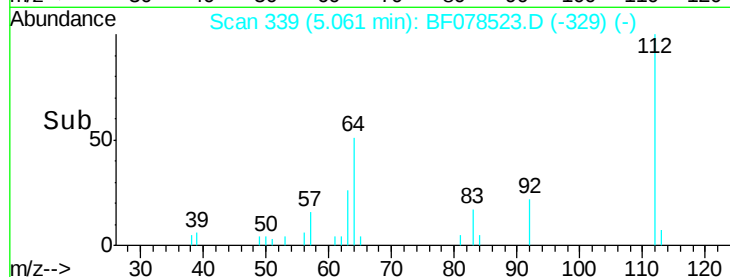
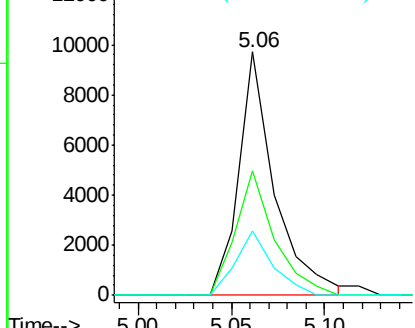
#5
 2-Fluorophenol
 Concen: 8.75 ng
 RT: 5.06 min Scan# 339
 Delta R.T. 0.01 min
 Lab File: BF078523.D
 Acq: 15 Apr 2015 2:42

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tgt Ion: 112 Resp: 13098
 Ion Ratio Lower Upper
 112 100
 64 51.3 39.9 59.9
 63 26.4 20.2 30.4

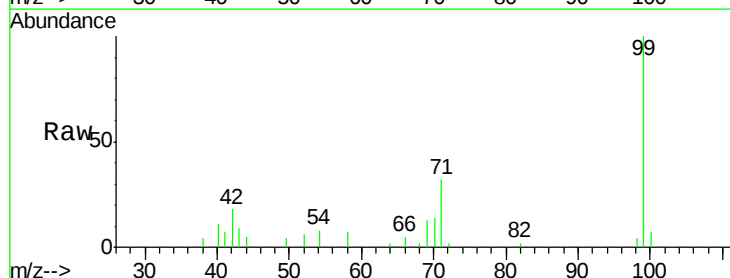


Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0

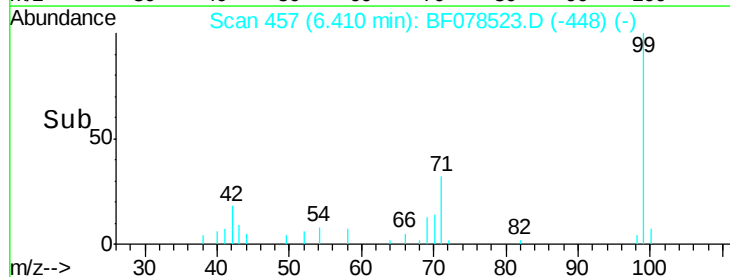
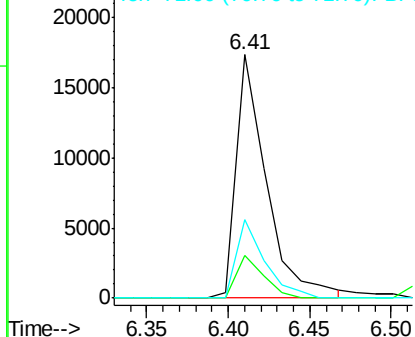


#7
 Phenol-d6
 Concen: 11.85 ng
 RT: 6.41 min Scan# 457
 Delta R.T. -0.00 min
 Lab File: BF078523.D
 Acq: 15 Apr 2015 2:42

Tgt Ion: 99 Resp: 22240
 Ion Ratio Lower Upper
 99 100
 42 17.8 14.8 22.2
 71 32.2 26.6 39.8



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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.39 min Scan# 630

Delta R.T. -0.00 min

Lab File: BF078523.D

Acq: 15 Apr 2015 2:42

Instrument :

BNA_F

ClientSampled :

SP-2

Tgt Ion: 136 Resp: 112401

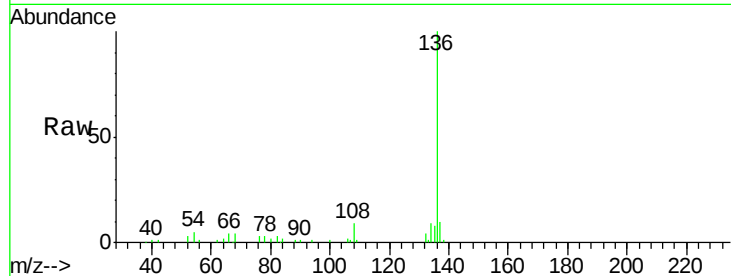
Ion Ratio Lower Upper

136 100

137 10.2 9.0 13.4

54 5.4 7.0 10.6#

68 4.1 5.4 8.2#

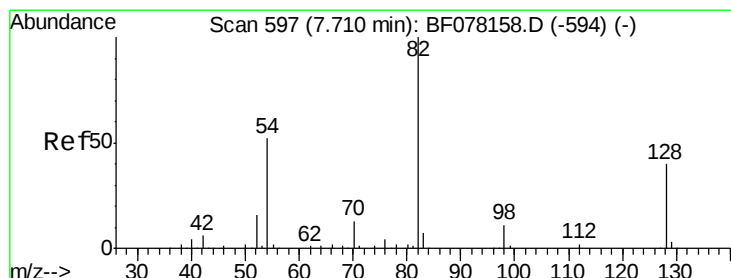
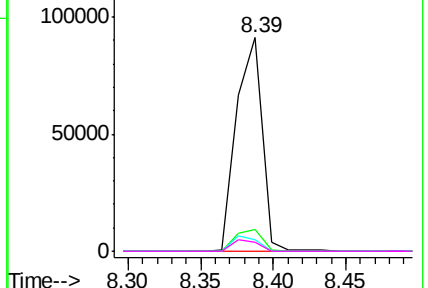
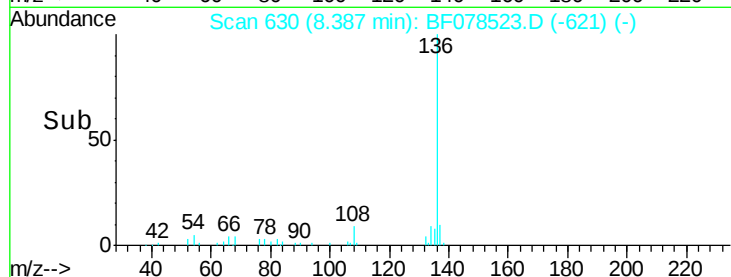


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.93 ng

RT: 7.51 min Scan# 553

Delta R.T. -0.00 min

Lab File: BF078523.D

Acq: 15 Apr 2015 2:42

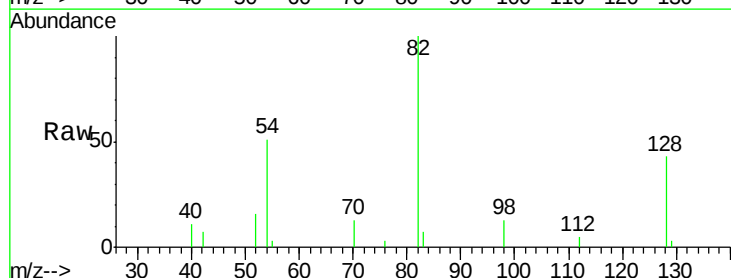
Tgt Ion: 82 Resp: 10989

Ion Ratio Lower Upper

82 100

128 43.4 31.8 47.8

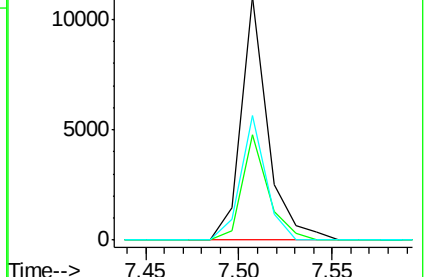
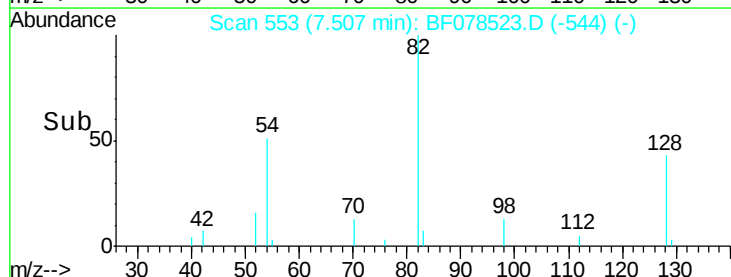
54 51.3 41.5 62.3

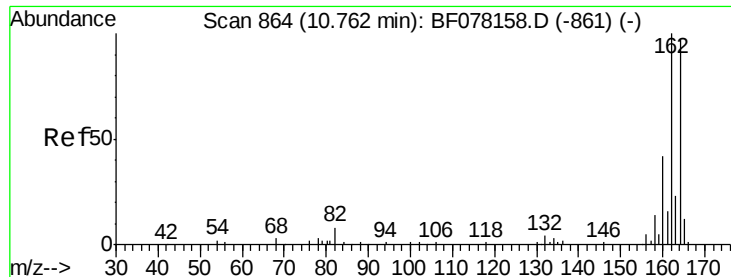


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

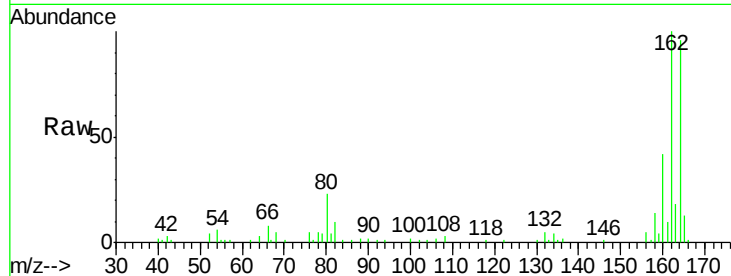




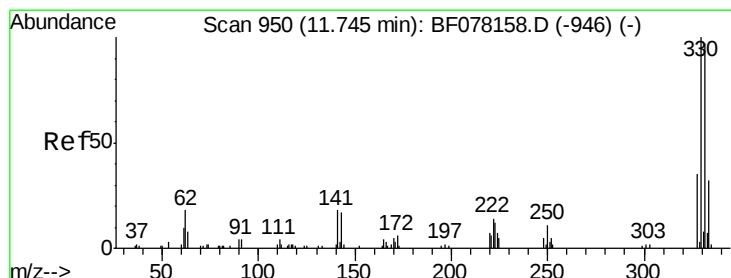
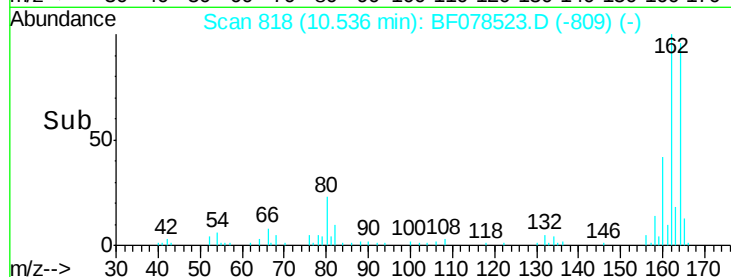
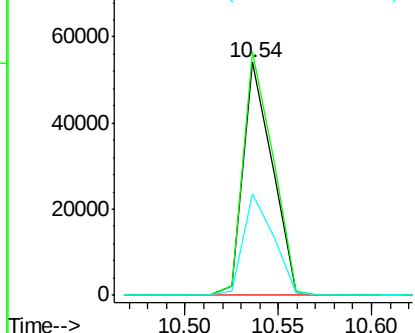
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.54 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF078523.D
 Acq: 15 Apr 2015 2:42

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tgt Ion:164 Resp: 58524
 Ion Ratio Lower Upper
 164 100
 162 104.6 82.2 123.2
 160 43.6 34.7 52.1

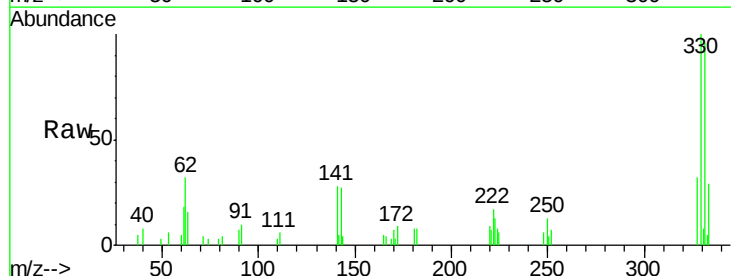


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

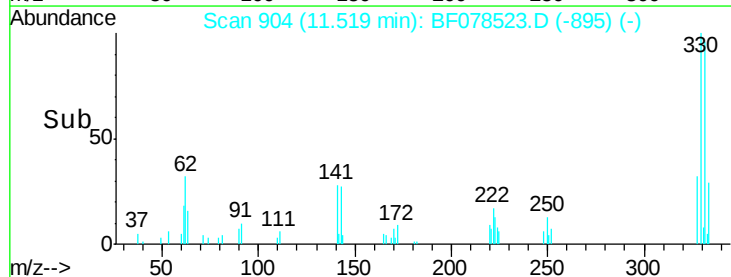
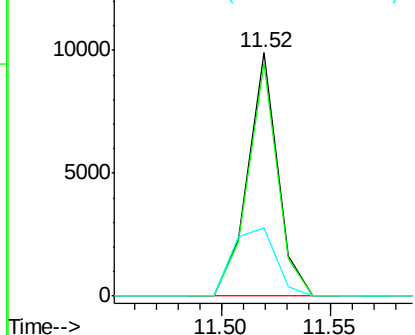


#41
 2,4,6-Tribromophenol
 Concen: 19.64 ng
 RT: 11.52 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BF078523.D
 Acq: 15 Apr 2015 2:42

Tgt Ion:330 Resp: 9533
 Ion Ratio Lower Upper
 330 100
 332 95.7 78.6 117.8
 141 40.2 31.2 46.8



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

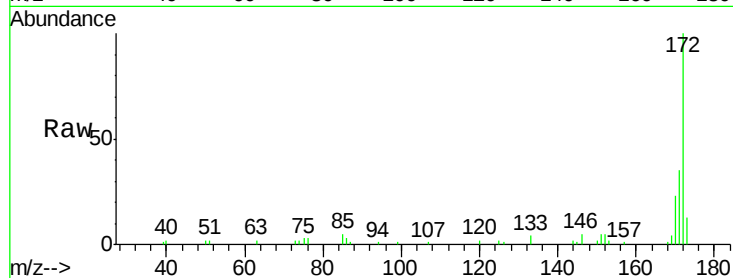




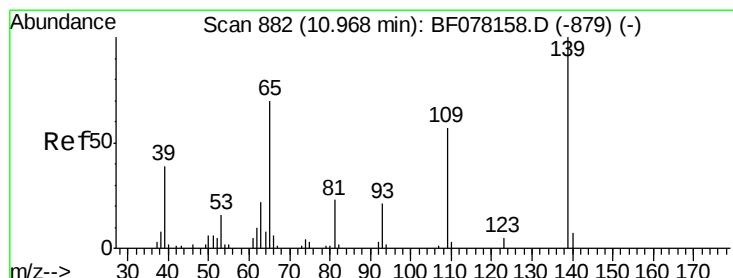
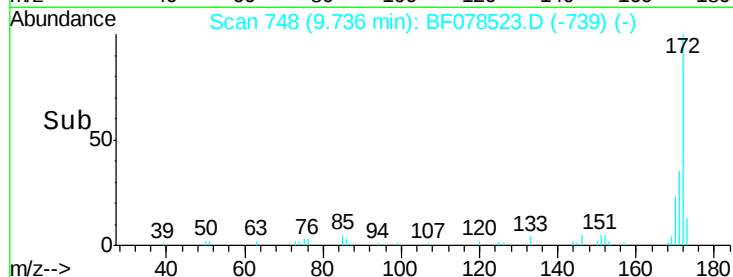
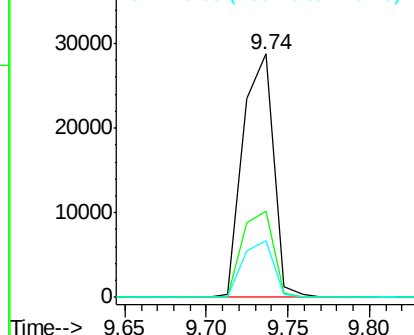
#44
 2-Fluorobiphenyl
 Concen: 9.11 ng
 RT: 9.74 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF078523.D
 Acq: 15 Apr 2015 2:42

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tgt Ion:172 Resp: 37290
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 42.8
 170 23.1 18.5 27.7

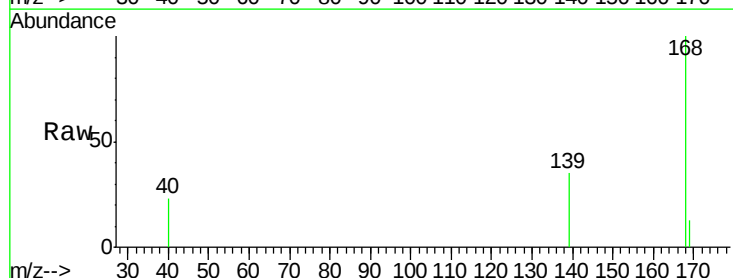


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

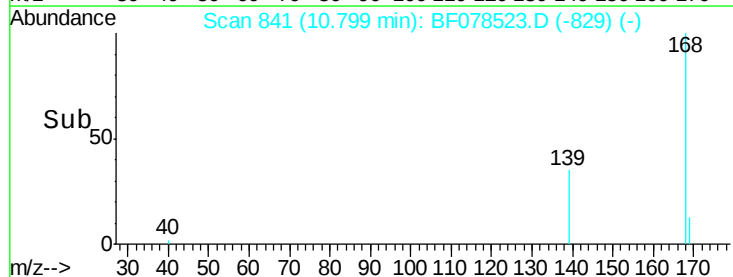
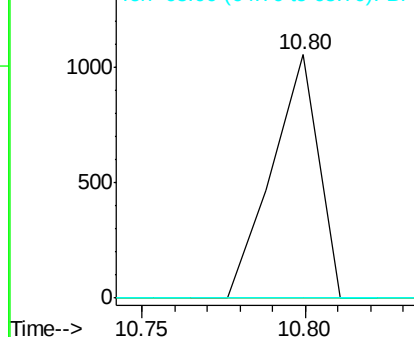


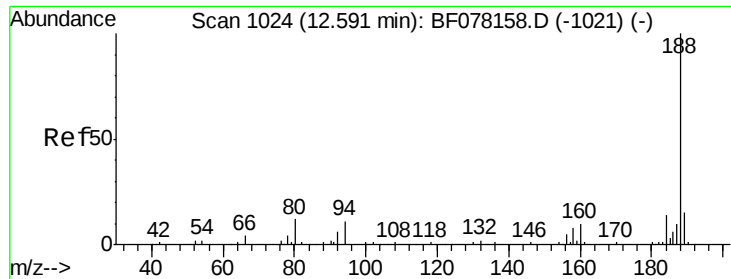
#55
 4-Nitrophenol
 Concen: 4.10 ng
 RT: 10.80 min Scan# 841
 Delta R.T. 0.03 min
 Lab File: BF078523.D
 Acq: 15 Apr 2015 2:42

Tgt Ion:139 Resp: 1044
 Ion Ratio Lower Upper
 139 100
 109 0.0 36.7 76.7#
 65 0.0 49.9 89.9#



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

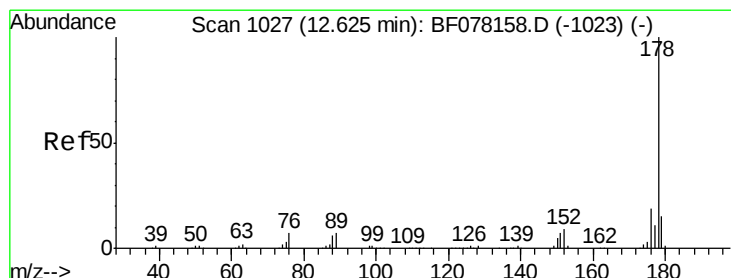
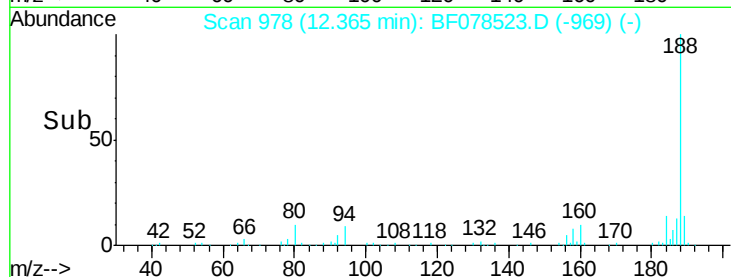
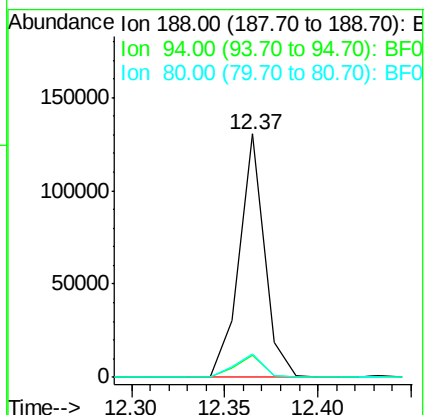
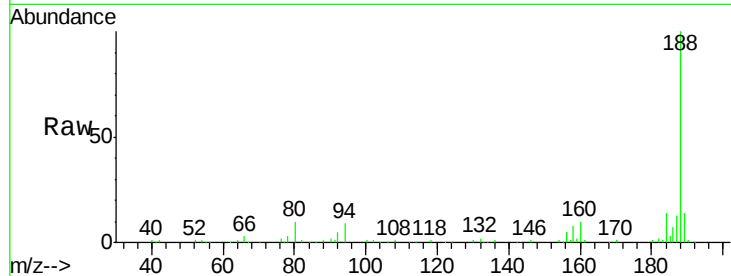




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.37 min Scan# 978
Delta R.T. -0.00 min
Lab File: BF078523.D
Acq: 15 Apr 2015 2:42

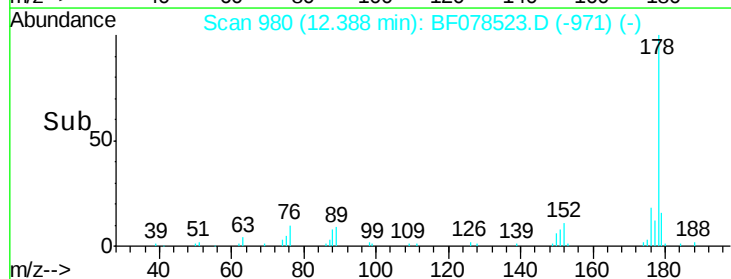
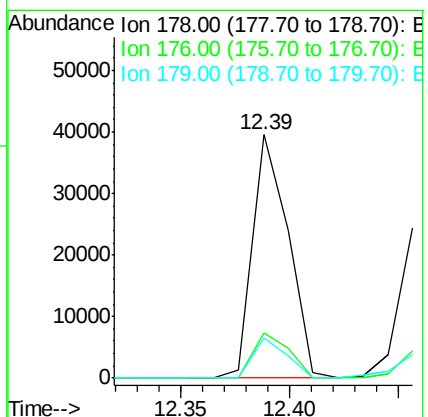
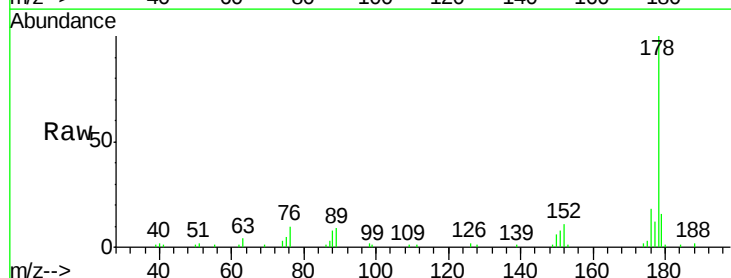
Instrument :
BNA_F
ClientSampleId :
SP-2

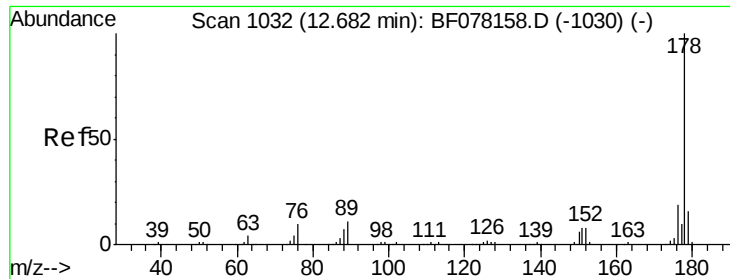
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	9.0	13.4
80	9.6	9.5	14.3



#70
Phenanthrene
Concen: 6.32 ng
RT: 12.39 min Scan# 980
Delta R.T. -0.00 min
Lab File: BF078523.D
Acq: 15 Apr 2015 2:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.0
179	16.2	12.2	18.2

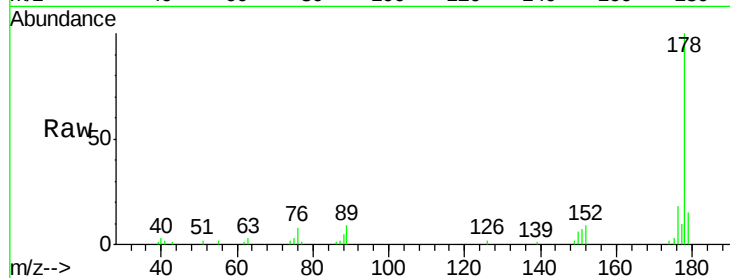




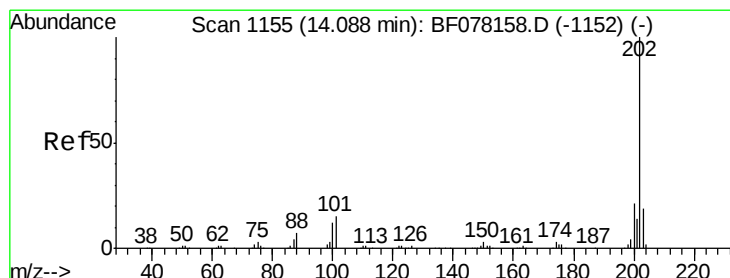
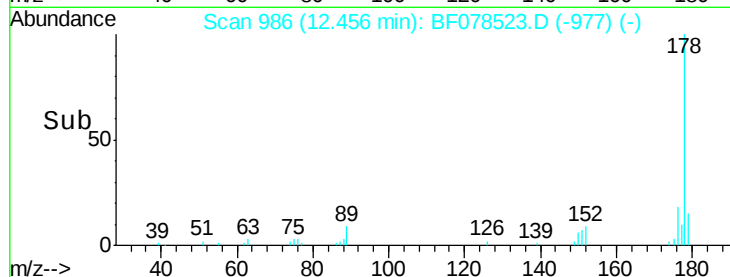
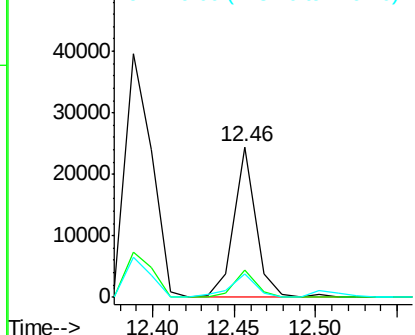
#71
 Anthracene
 Concen: 3.24 ng
 RT: 12.46 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: BF078523.D
 Acq: 15 Apr 2015 2:42

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tgt Ion:178 Resp: 22796
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.8 22.2
 179 15.3 12.4 18.6

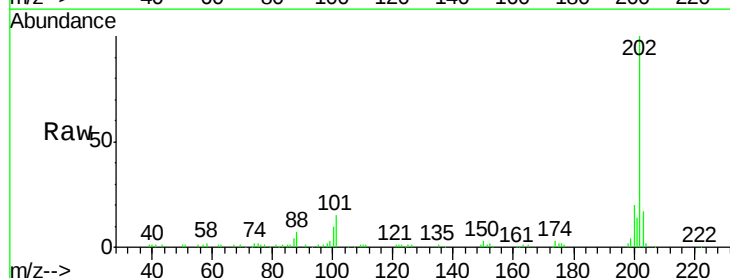


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

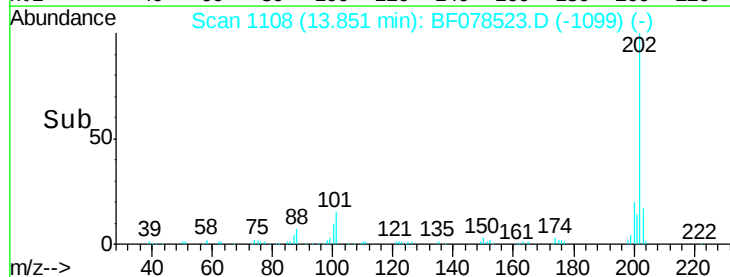
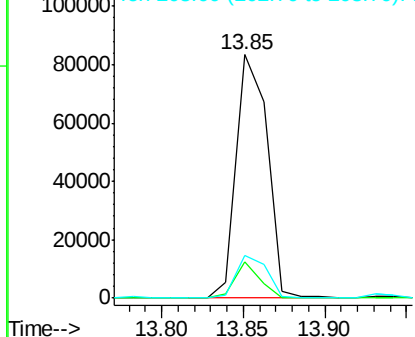


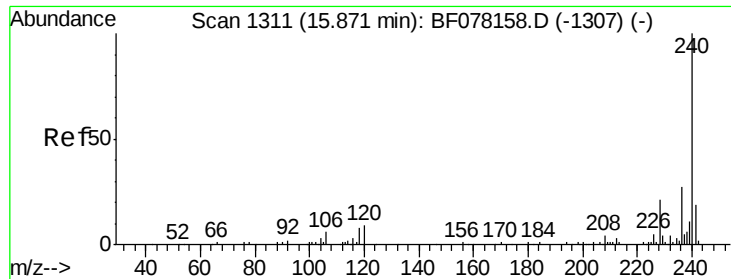
#74
 Fluoranthene
 Concen: 14.54 ng
 RT: 13.85 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: BF078523.D
 Acq: 15 Apr 2015 2:42

Tgt Ion:202 Resp: 109490
 Ion Ratio Lower Upper
 202 100
 101 14.7 0.0 35.2
 203 17.3 0.0 38.5



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: 15.62 min Scan# 1263

Delta R.T. -0.03 min

Lab File: BF078523.D

Acq: 15 Apr 2015 2:42

Instrument :

BNA_F

ClientSampleId :

SP-2

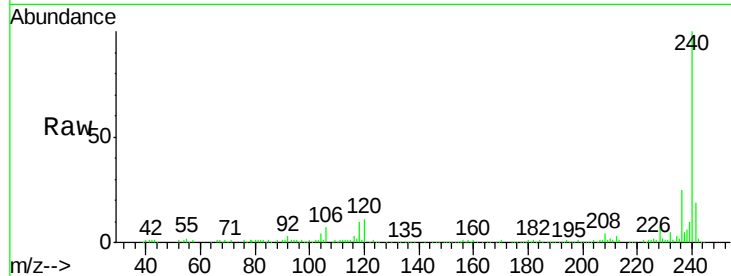
Tgt Ion:240 Resp: 142262

Ion Ratio Lower Upper

240 100

120 11.1 7.1 10.7#

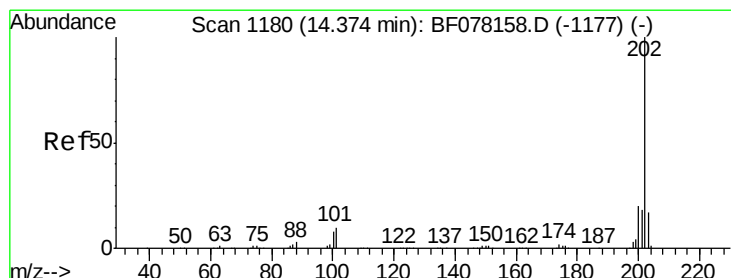
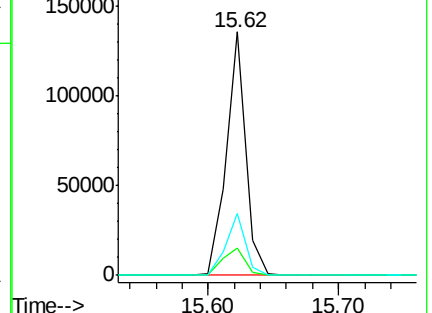
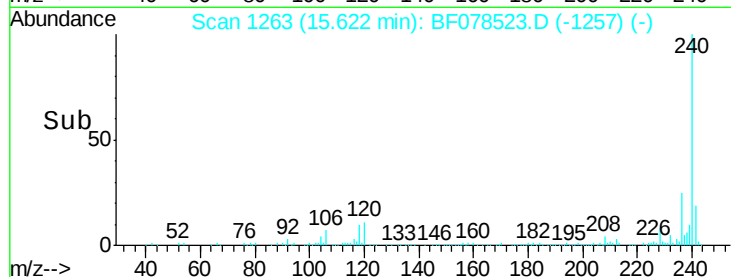
236 25.2 21.4 32.2



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: 11.74 ng

RT: 14.13 min Scan# 1132

Delta R.T. -0.00 min

Lab File: BF078523.D

Acq: 15 Apr 2015 2:42

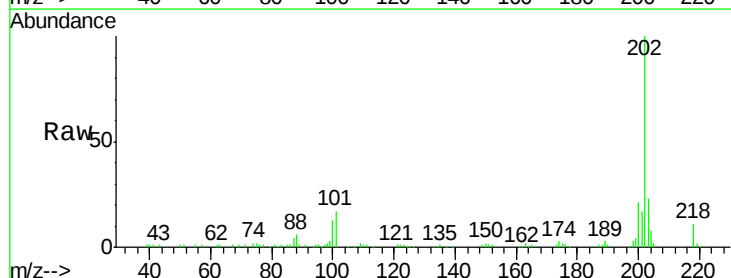
Tgt Ion:202 Resp: 104843

Ion Ratio Lower Upper

202 100

200 20.8 16.3 24.5

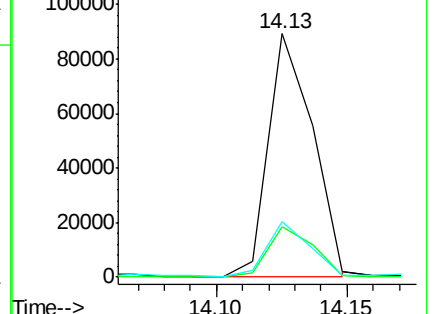
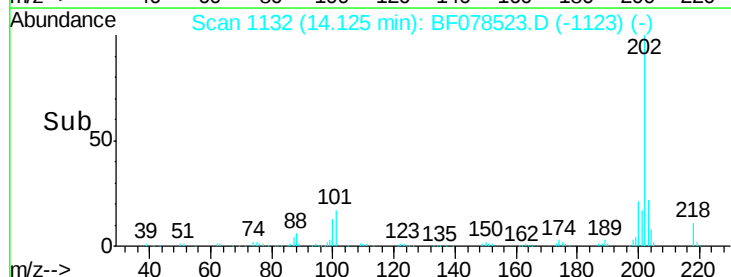
203 22.7 13.8 20.6#

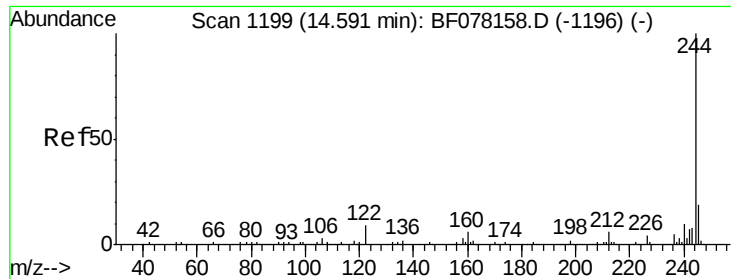


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

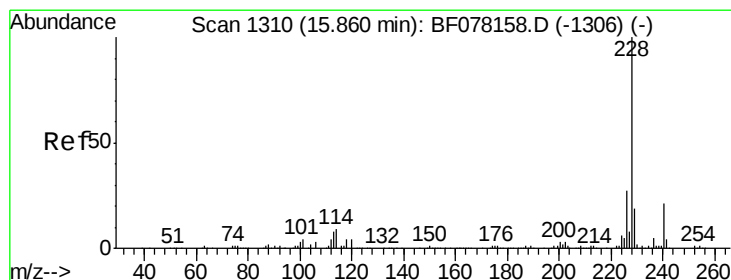
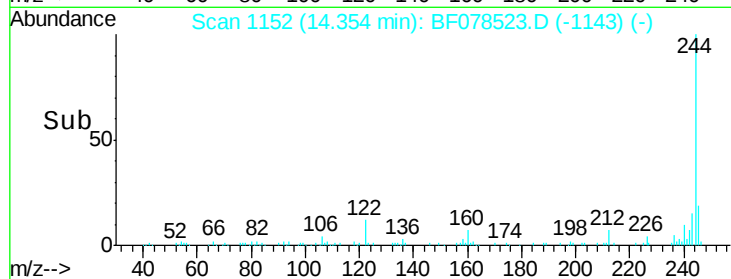
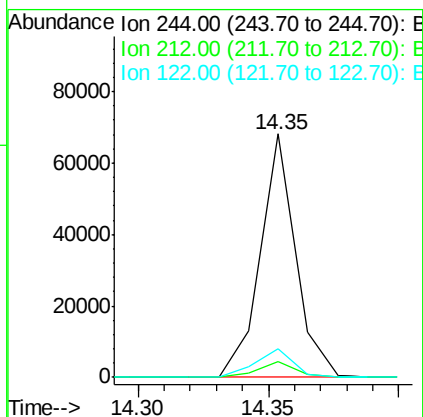
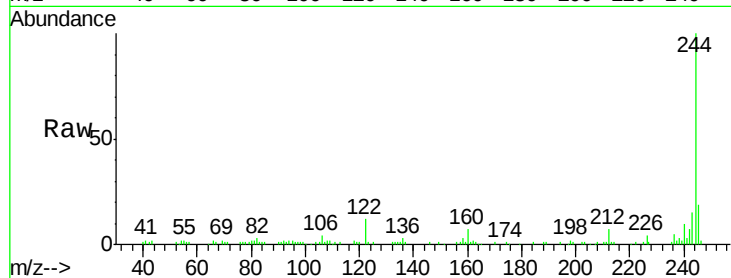




#78
 Terphenyl-d14
 Concen: 10.27 ng
 RT: 14.35 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: BF078523.D
 Acq: 15 Apr 2015 2:42

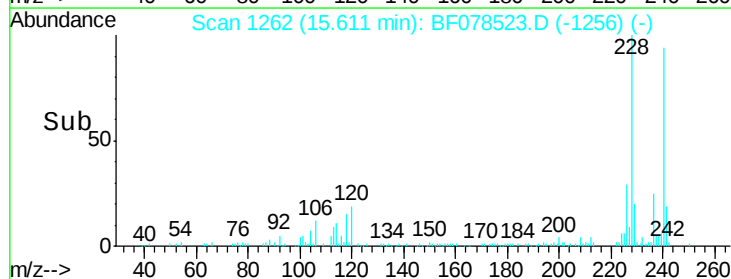
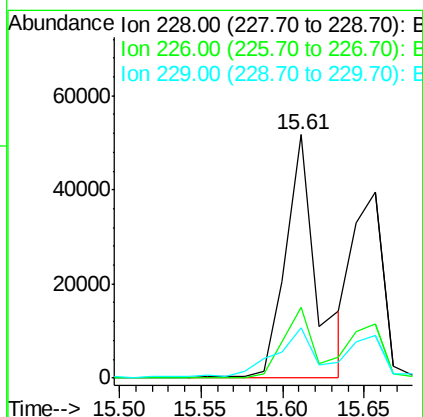
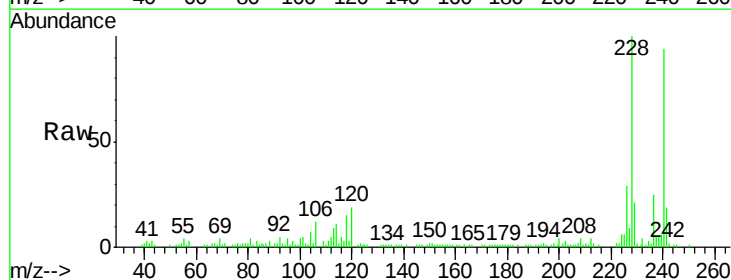
Instrument :
 BNA_F
 ClientSampleId :
 SP-2

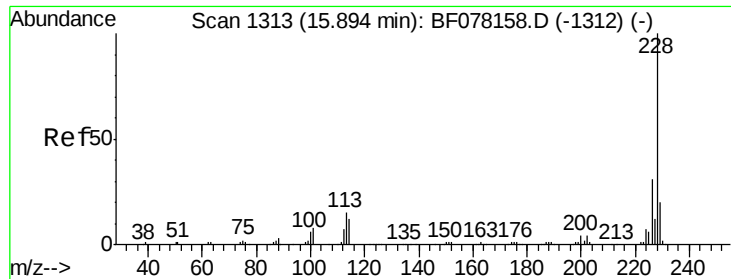
Tgt Ion: 244 Resp: 64682
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.0 7.4
 122 11.5 7.1 10.7#



#80
 Benzo(a)anthracene
 Concen: 8.11 ng
 RT: 15.61 min Scan# 1262
 Delta R.T. -0.03 min
 Lab File: BF078523.D
 Acq: 15 Apr 2015 2:42

Tgt Ion: 228 Resp: 68668
 Ion Ratio Lower Upper
 228 100
 226 28.9 21.3 31.9
 229 20.5 15.4 23.2





#82

Chrysene

Concen: 6.62 ng

RT: 15.66 min Scan# 1266

Delta R.T. -0.03 min

Lab File: BF078523.D

Acq: 15 Apr 2015 2:42

Instrument :

BNA_F

ClientSampleId :

SP-2

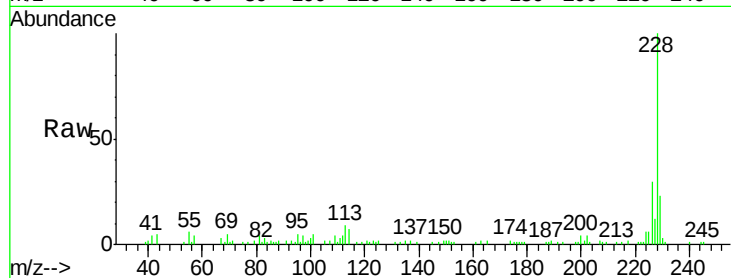
Tgt Ion:228 Resp: 52622

Ion Ratio Lower Upper

228 100

226 29.5 24.2 36.4

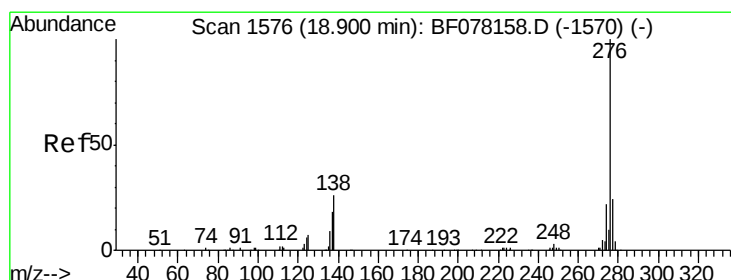
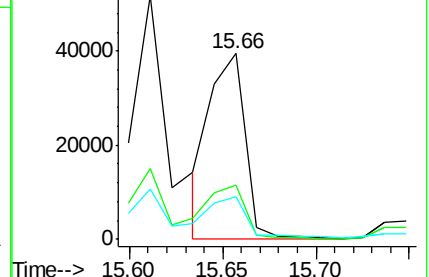
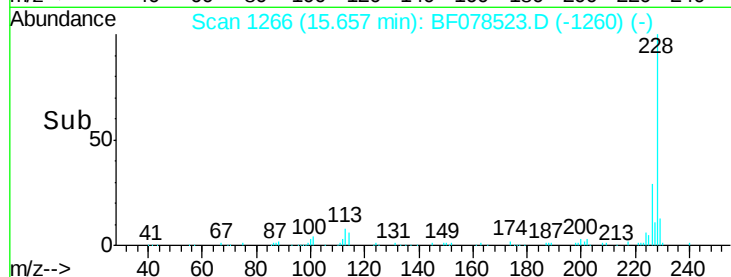
229 23.2 15.8 23.8



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.16 ng

RT: 18.82 min Scan# 1543

Delta R.T. 0.01 min

Lab File: BF078523.D

Acq: 15 Apr 2015 2:42

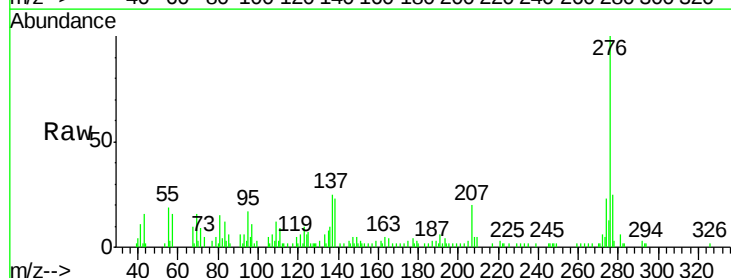
Tgt Ion:276 Resp: 37571

Ion Ratio Lower Upper

276 100

138 24.1 16.9 25.3

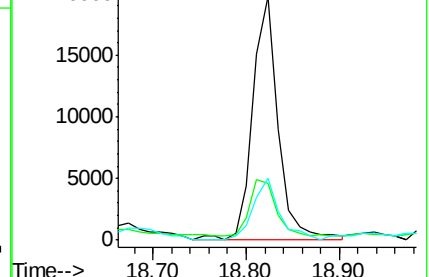
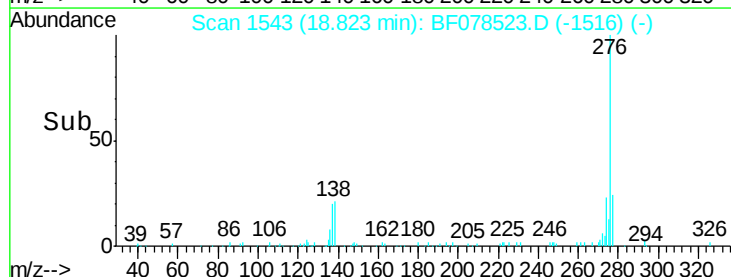
277 26.1 15.8 23.6#

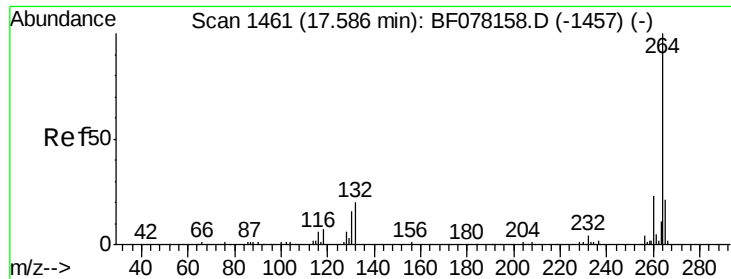


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

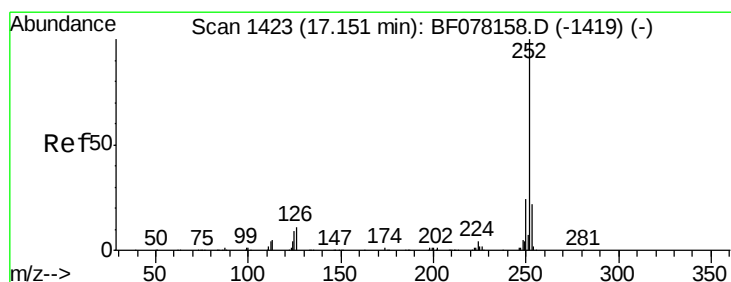
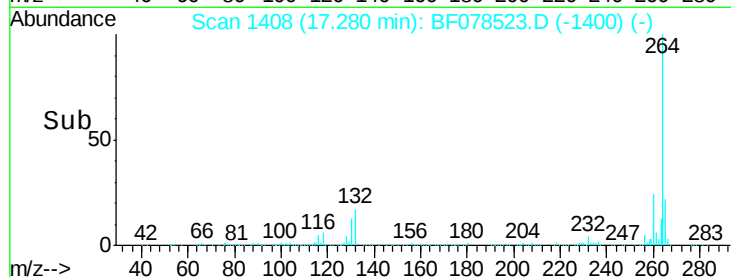
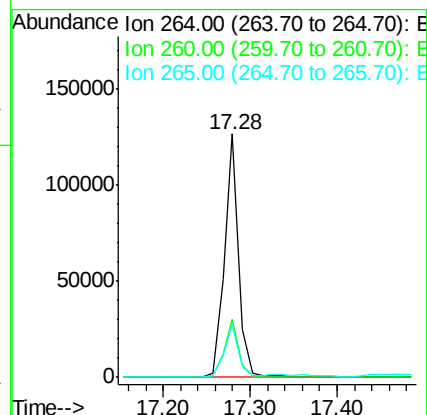
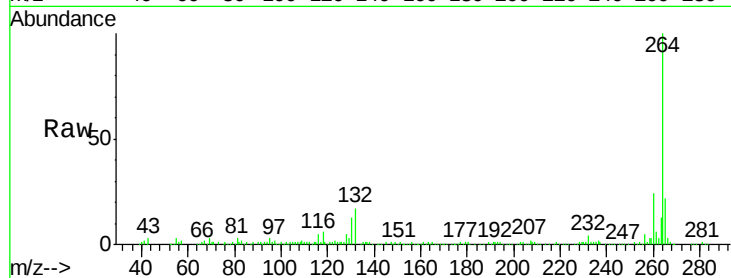




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.28 min Scan# 1408
Delta R.T. -0.21 min
Lab File: BF078523.D
Acq: 15 Apr 2015 2:42

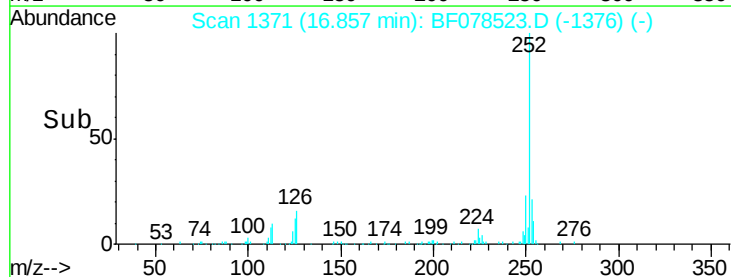
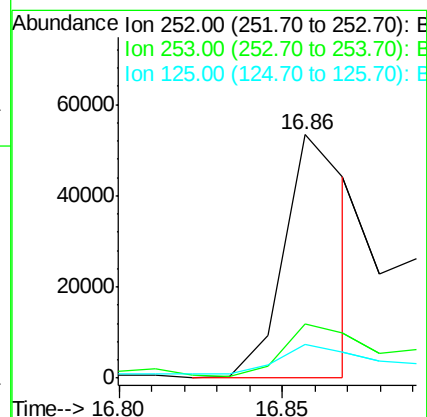
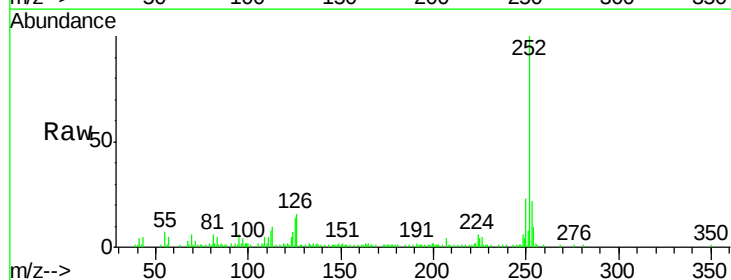
Instrument :
BNA_F
ClientSampleId :
SP-2

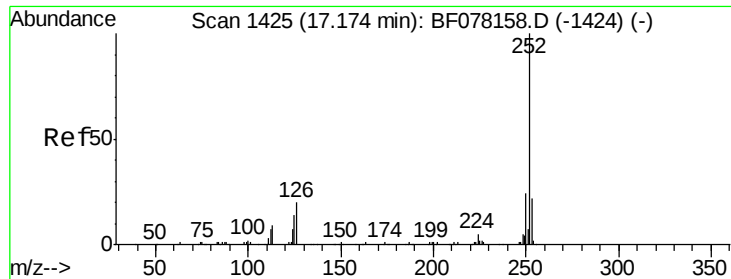
Tgt Ion: 264 Resp: 144293
Ion Ratio Lower Upper
264 100
260 23.9 18.6 27.8
265 22.0 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 8.26 ng
RT: 16.86 min Scan# 1371
Delta R.T. -0.16 min
Lab File: BF078523.D
Acq: 15 Apr 2015 2:42

Tgt Ion: 252 Resp: 73672
Ion Ratio Lower Upper
252 100
253 22.2 17.2 25.8
125 13.9 7.0 10.4#

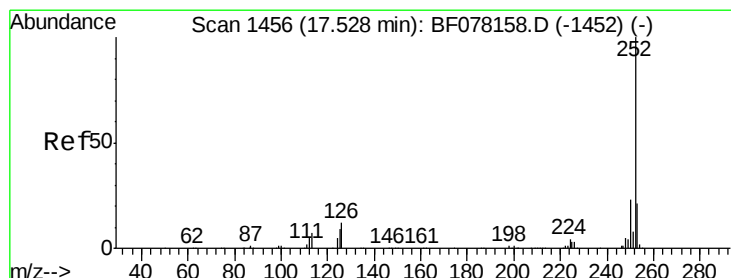
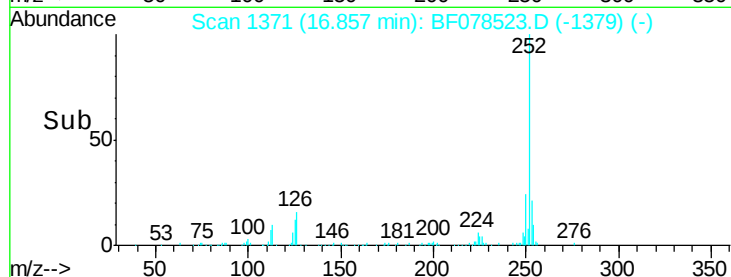
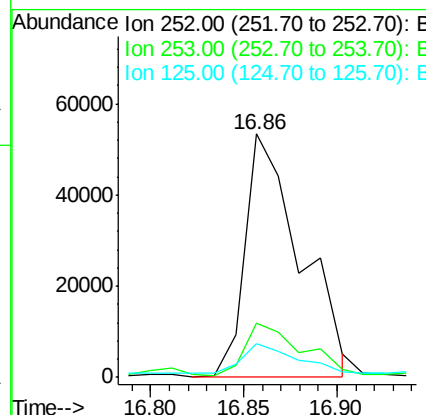
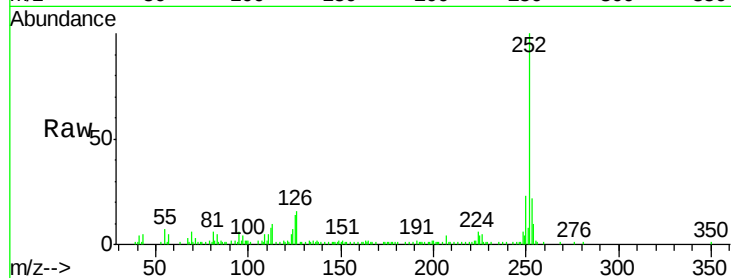




#88
Benzo(k)fluoranthene
Concen: 13.98 ng
RT: 16.86 min Scan# 1371
Delta R.T. -0.19 min
Lab File: BF078523.D
Acq: 15 Apr 2015 2:42

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:252 Resp: 110798
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 13.9 11.6 17.4



#89
Benzo(a)pyrene
Concen: 6.22 ng
RT: 17.21 min Scan# 1402
Delta R.T. -0.21 min
Lab File: BF078523.D
Acq: 15 Apr 2015 2:42

Tgt Ion:252 Resp: 48411
Ion Ratio Lower Upper
252 100
253 24.6 16.8 25.2
125 17.2 7.4 11.0#

