

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 03:38:28 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

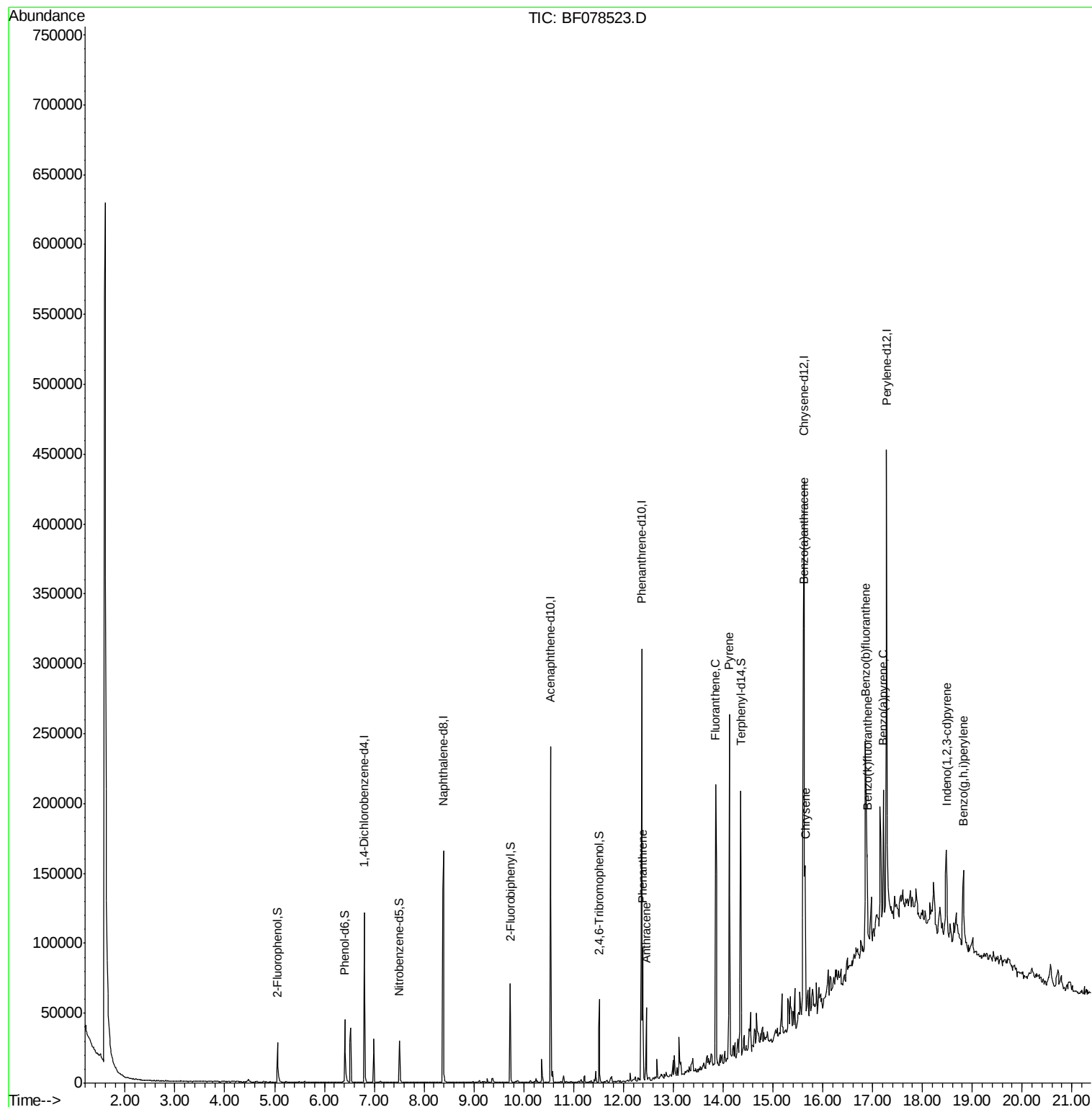
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	24692	20.00	ng	0.00
21) Naphthalene-d8	8.39	136	112401	20.00	ng	0.00
38) Acenaphthene-d10	10.54	164	58524	20.00	ng	0.00
63) Phenanthrene-d10	12.37	188	123463	20.00	ng	0.00
75) Chrysene-d12	15.62	240	142262	20.00	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
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	18.48	276	36603m	4.06	ng	
87) Benzo(b)fluoranthene	16.86	252	89134m	10.00	ng	
88) Benzo(k)fluoranthene	16.89	252	22581m	2.85	ng	
89) Benzo(a)pyrene	17.21	252	48411	6.22	ng	# 88
91) Benzo(g,h,i)perylene	18.82	276	36846m	4.72	ng	

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

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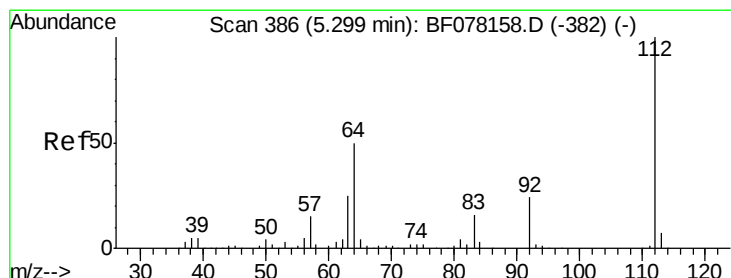
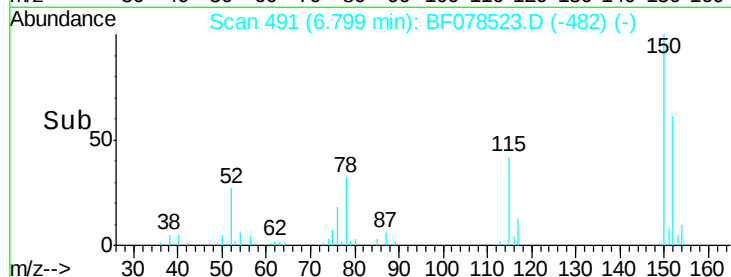
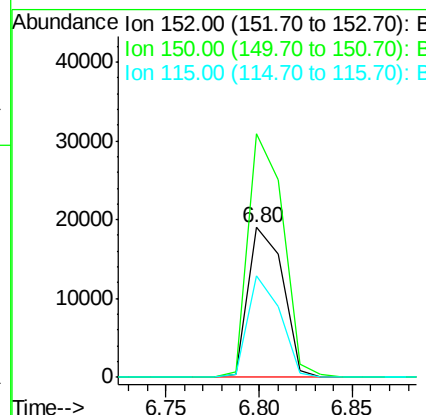
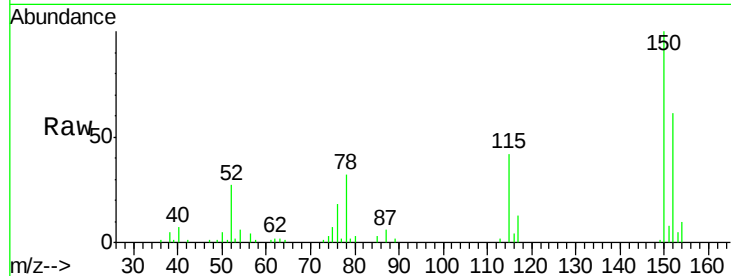




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 491
 Delta R.T. -0.00 min
 Lab File: BF078523.D
 Acq: 15 Apr 2015 2:42

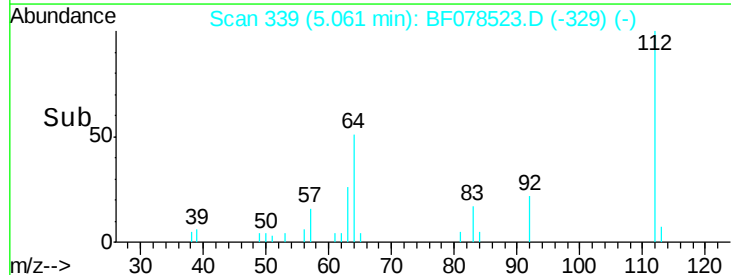
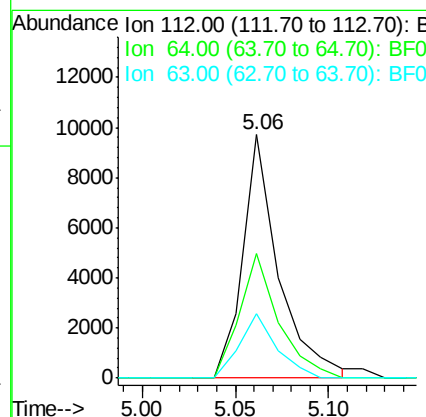
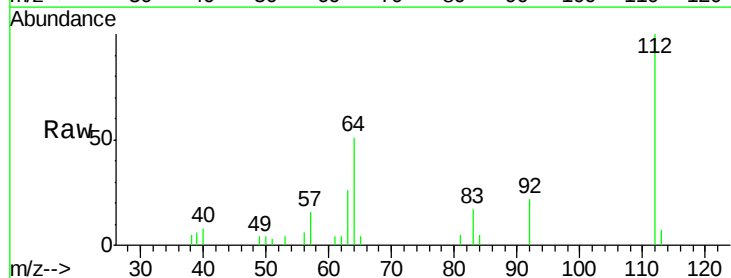
Instrument :
 BNA_F
 ClientSampleId :
 SP-2

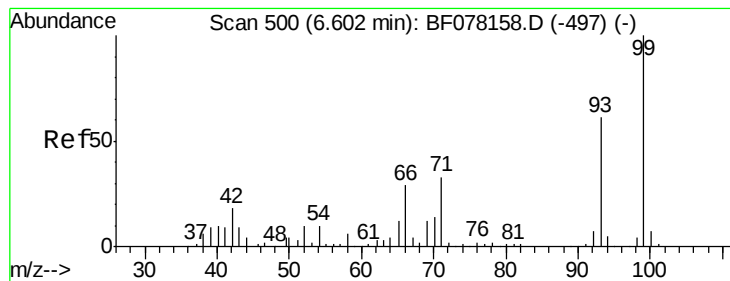
Tgt Ion:152 Resp: 24692
 Ion Ratio Lower Upper
 152 100
 150 162.8 125.9 188.9
 115 67.8 52.7 79.1



#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

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





#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

Instrument :

BNA_F

ClientSampleId :

SP-2

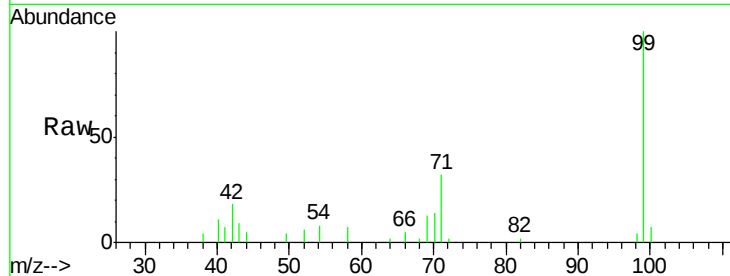
Tgt Ion: 99 Resp: 22240

Ion Ratio Lower Upper

99 100

42 17.8 14.8 22.2

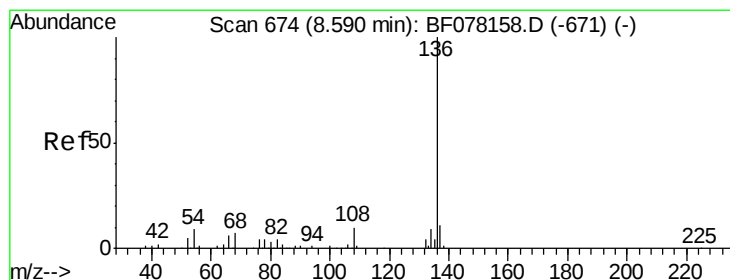
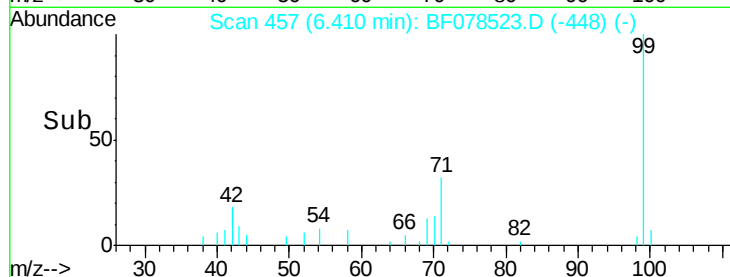
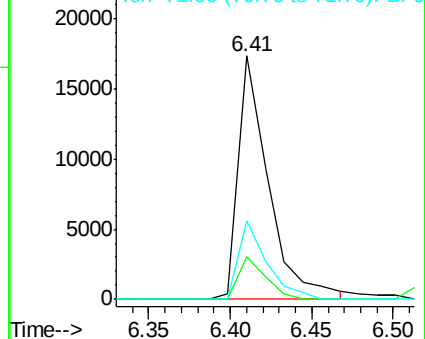
71 32.2 26.6 39.8



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

Tgt Ion: 136 Resp: 112401

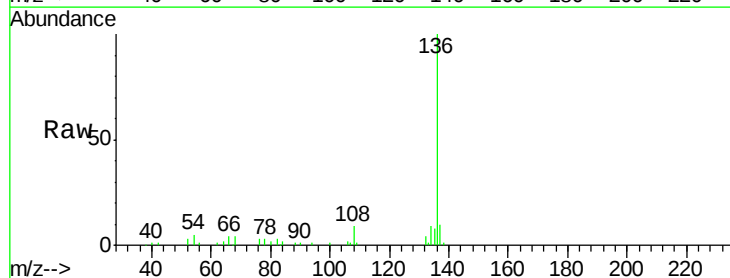
Ion Ratio Lower Upper

136 100

137 10.2 9.0 13.4

54 5.4 7.0 10.6#

68 4.1 5.4 8.2#

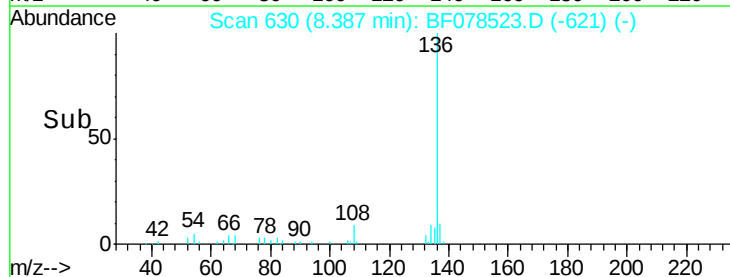
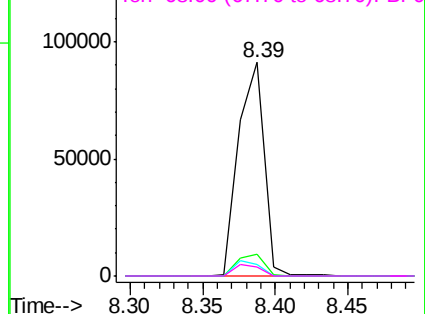


Abundance Ion 136.00 (135.70 to 136.70): E

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

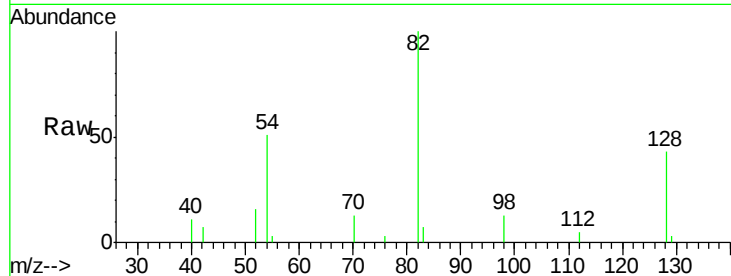




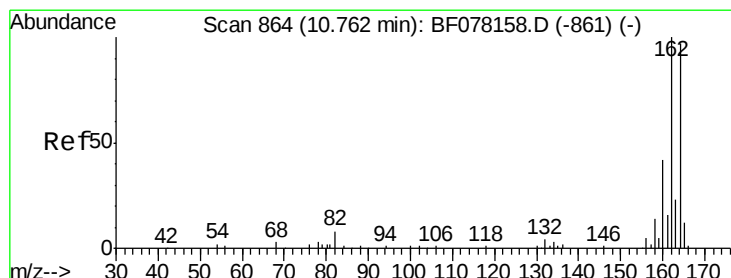
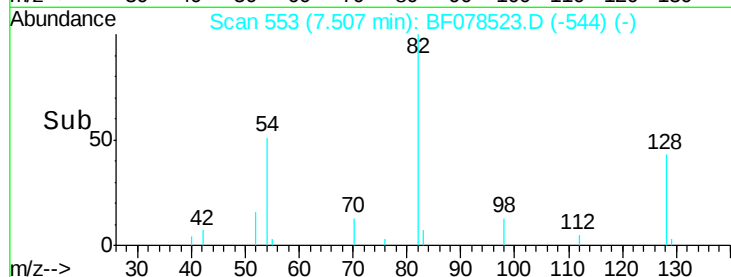
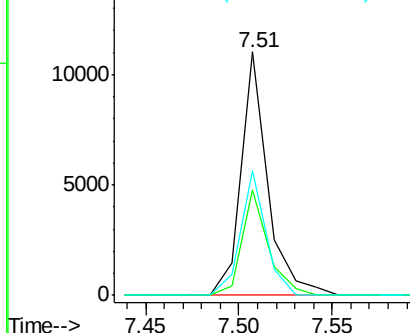
#23
 Nitrobenzene-d5
 Concen: 5.93 ng
 RT: 7.51 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: BF078523.D
 Acq: 15 Apr 2015 2:42

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.4	31.8	47.8
54	51.3	41.5	62.3

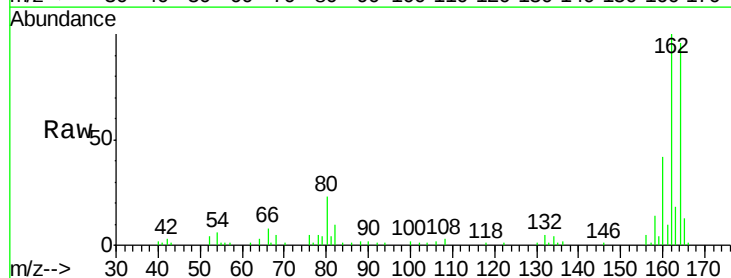


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

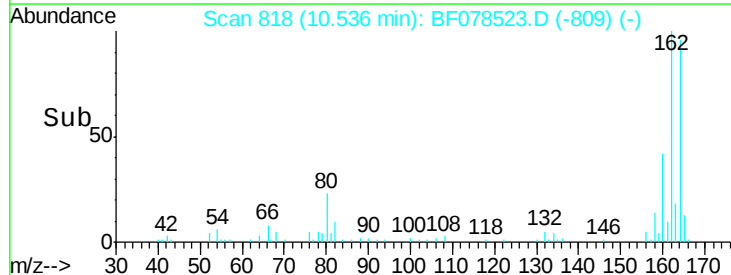
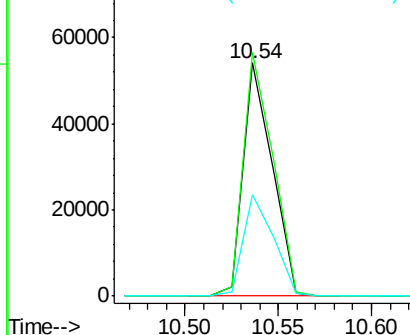


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.54 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF078523.D
 Acq: 15 Apr 2015 2:42

Tgt 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): B
 Ion 162.00 (161.70 to 162.70): B
 Ion 160.00 (159.70 to 160.70): B

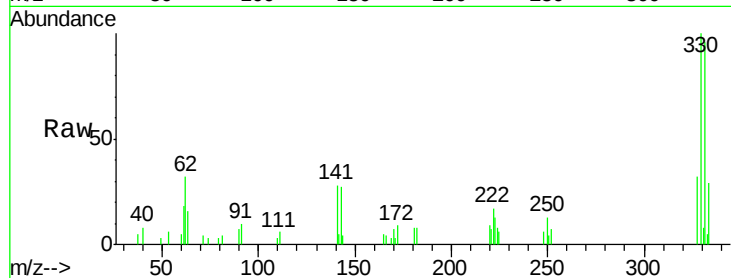




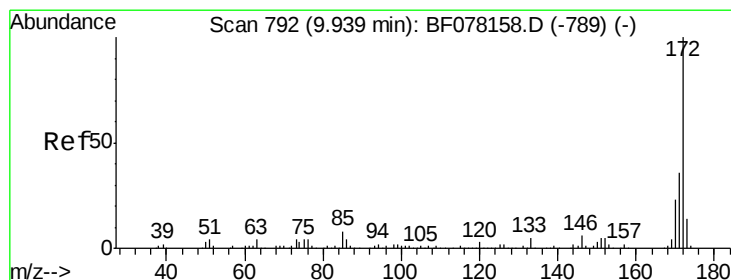
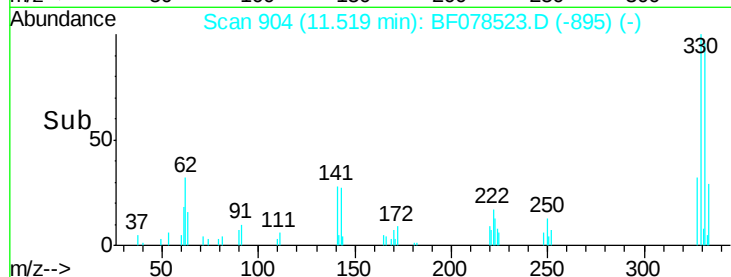
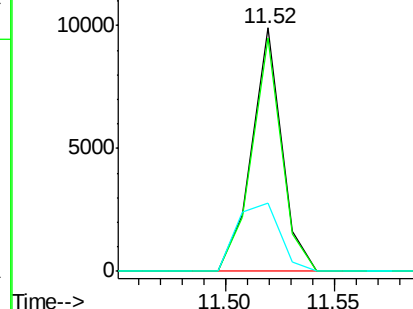
#41
 2,4,6-Tribromophenol
 Concen: 19.64 ng
 RT: 11.52 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BF078523.D
 Acq: 15 Apr 2015 2:42

Instrument :
 BNA_F
 ClientSampled :
 SP-2

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

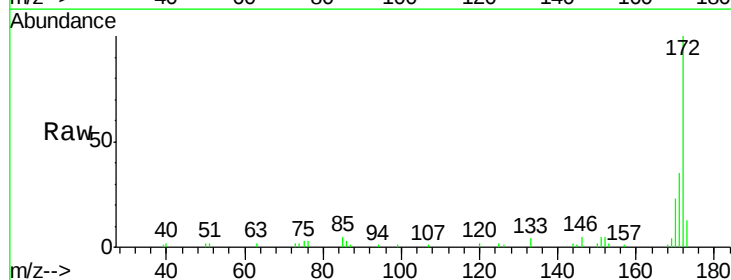


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

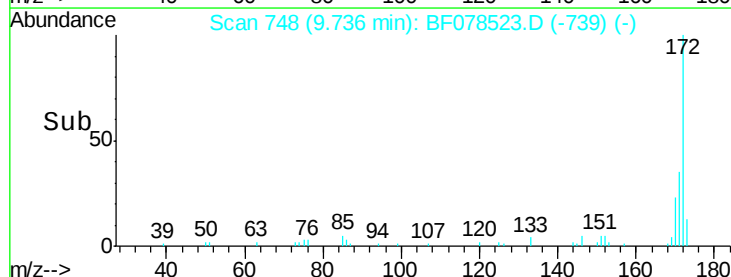
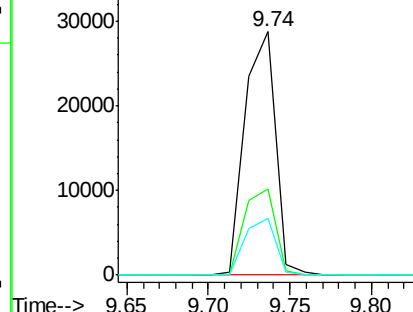


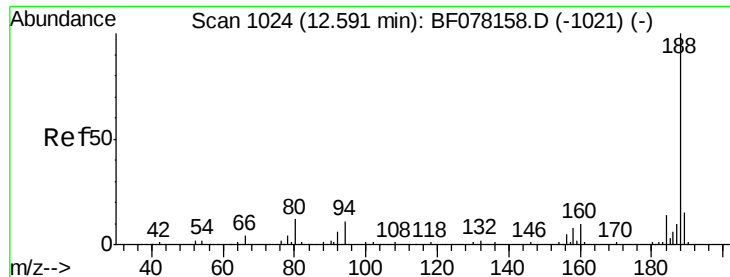
#44
 2-Fluorobiphenyl
 Concen: 9.11 ng
 RT: 9.74 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF078523.D
 Acq: 15 Apr 2015 2:42

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

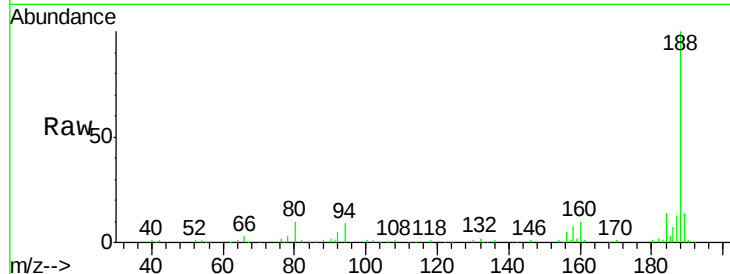




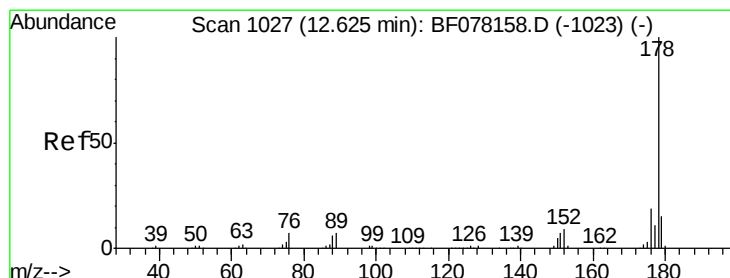
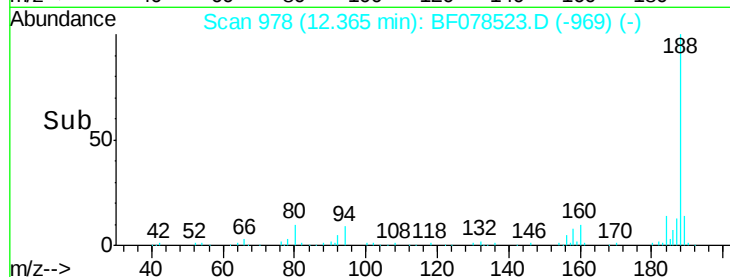
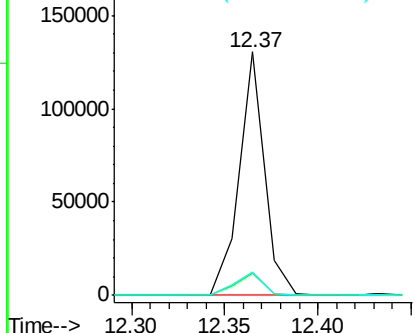
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.37 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: BF078523.D
 Acq: 15 Apr 2015 2:42

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

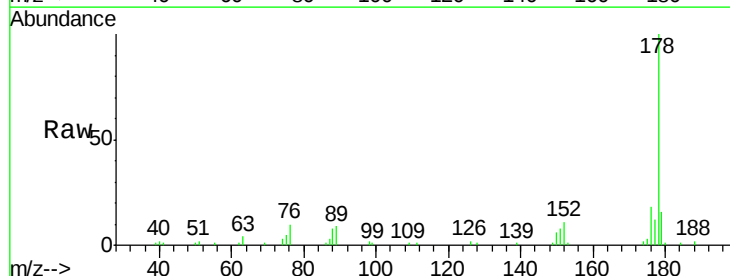


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

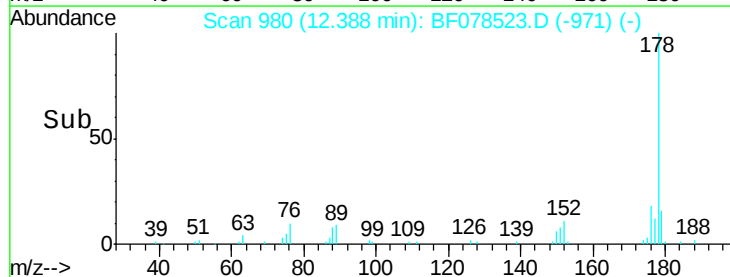
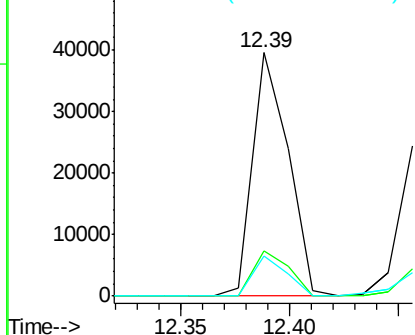


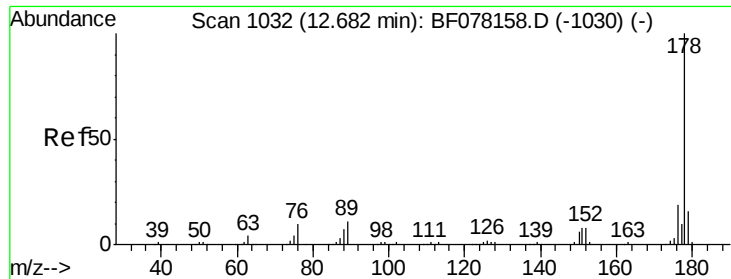
#70
 Phenanthrene
 Concen: 6.32 ng
 RT: 12.39 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: BF078523.D
 Acq: 15 Apr 2015 2:42

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



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

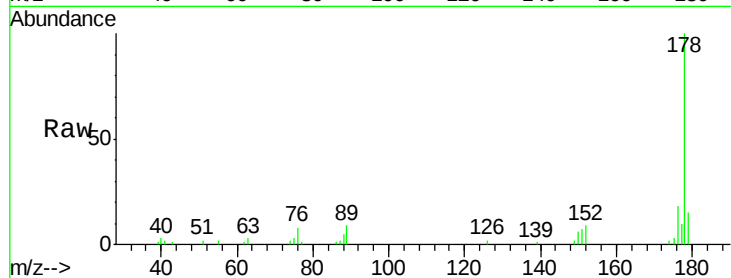




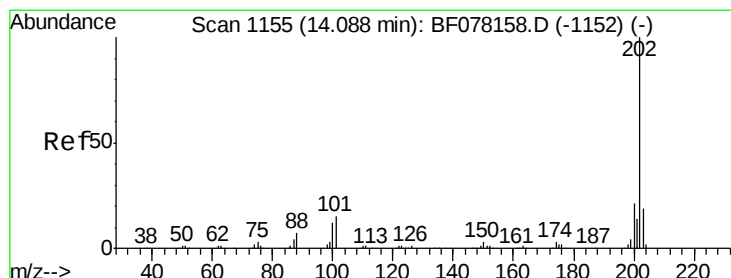
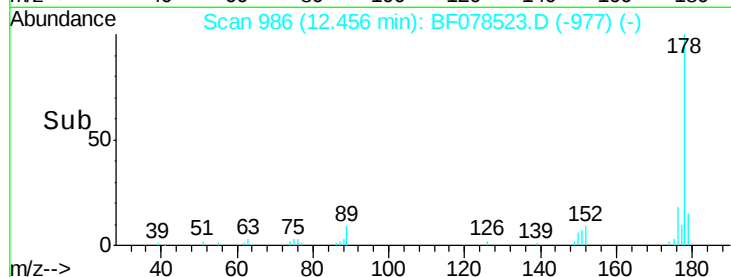
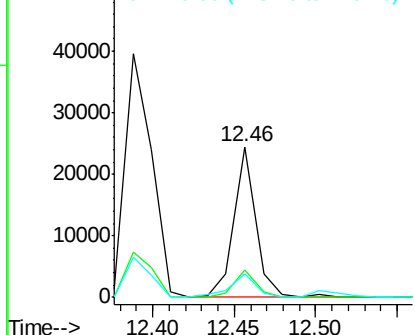
#71
 Anthracene
 Concen: 3.24 ng
 RT: 12.46 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: BF078523.D
 Acq: 15 Apr 2015 2:42

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

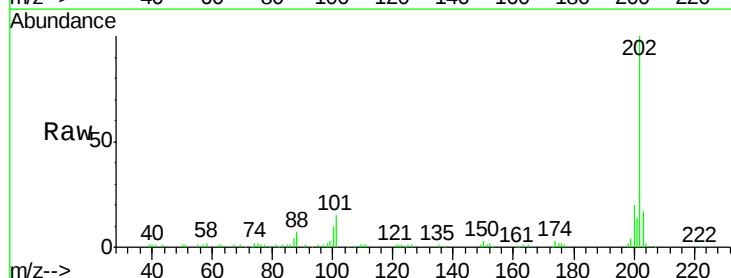


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

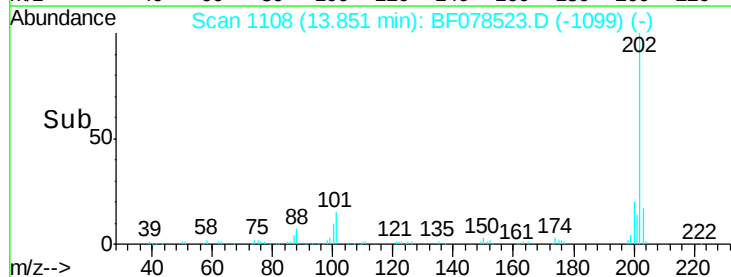
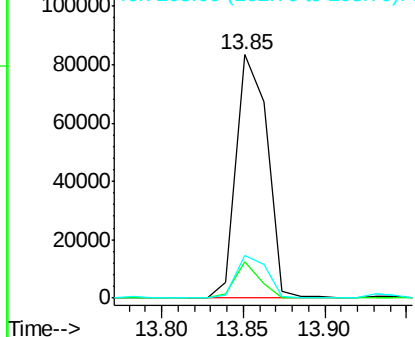


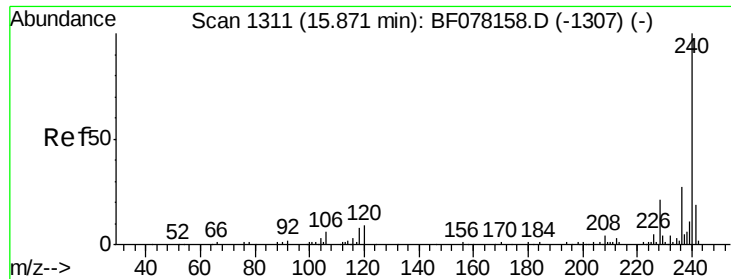
#74
 Fluoranthene
 Concen: 14.54 ng
 RT: 13.85 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: BF078523.D
 Acq: 15 Apr 2015 2:42

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

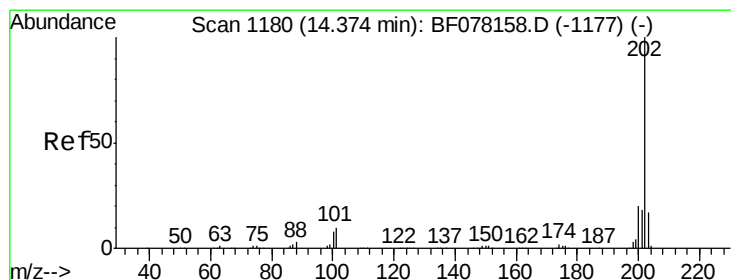
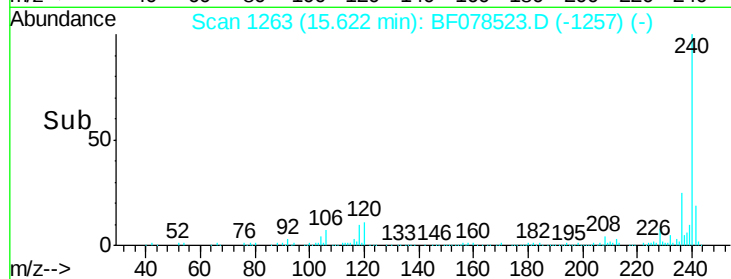
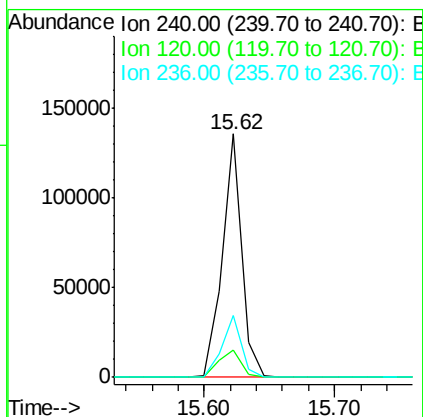
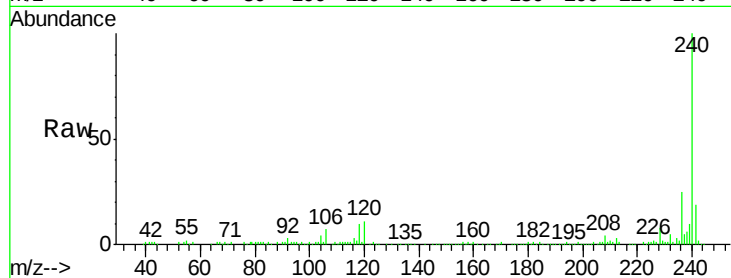




#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.62 min Scan# 1263
Delta R.T. -0.03 min
Lab File: BF078523.D
Acq: 15 Apr 2015 2:42

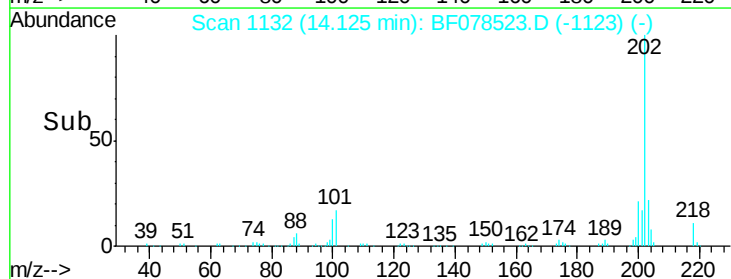
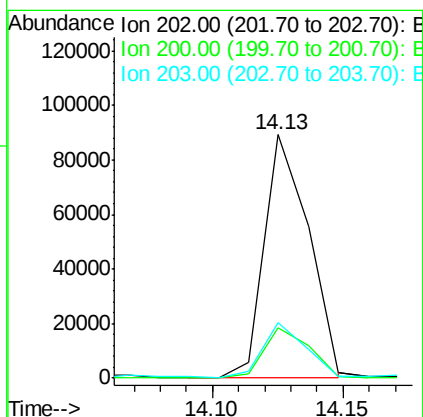
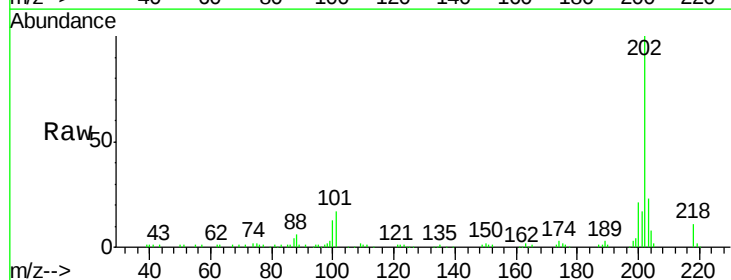
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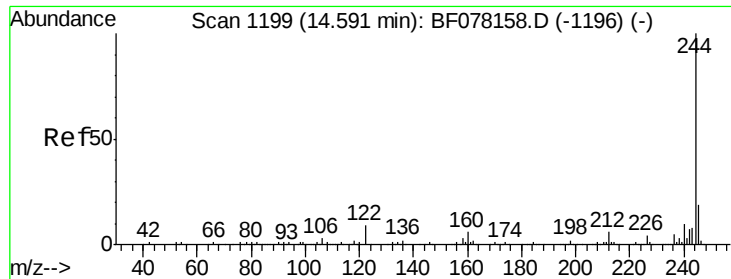
Tgt Ion:240 Resp: 142262
Ion Ratio Lower Upper
240 100
120 11.1 7.1 10.7#
236 25.2 21.4 32.2



#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#

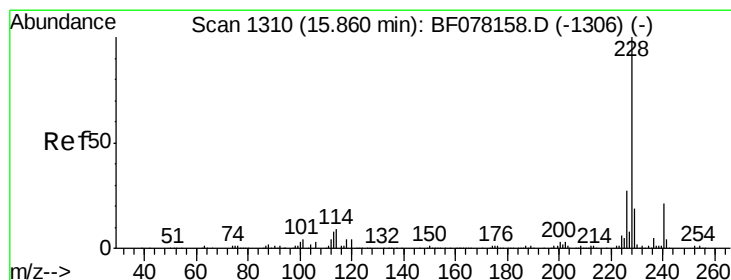
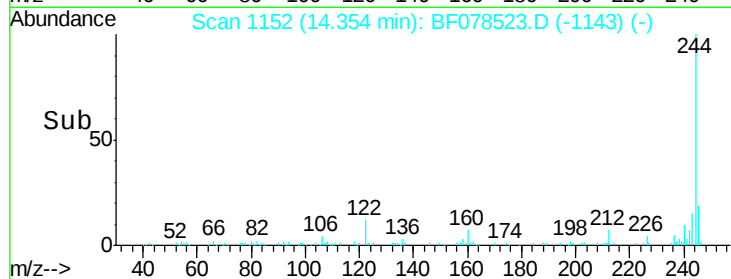
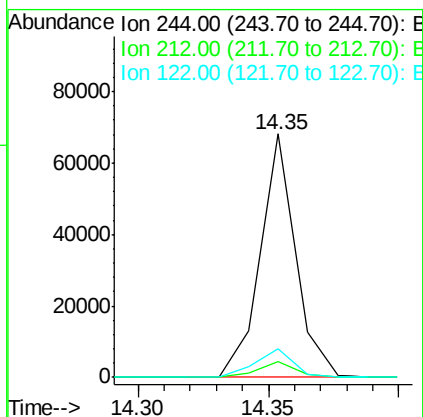
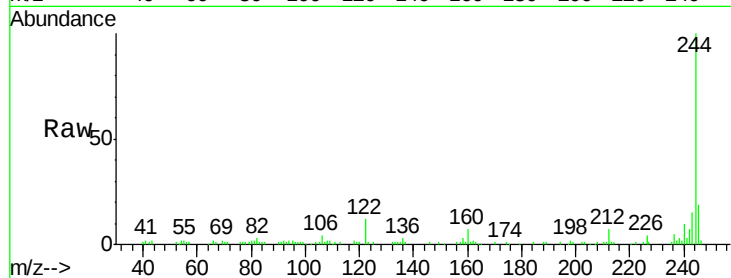




#78
 Terphenyl-d14
 Concen: 10.27 ng
 RT: 14.35 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: BF078523.D
 Acq: 15 Apr 2015 2:42

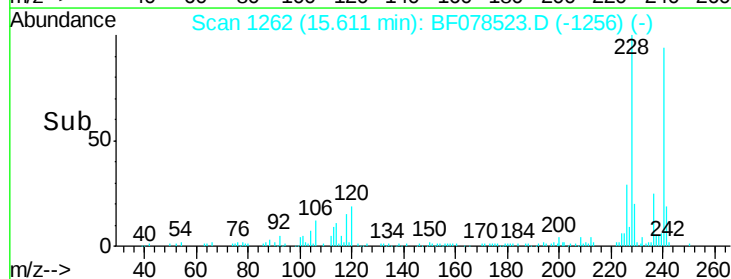
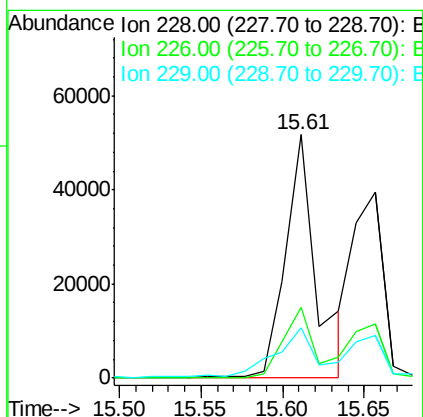
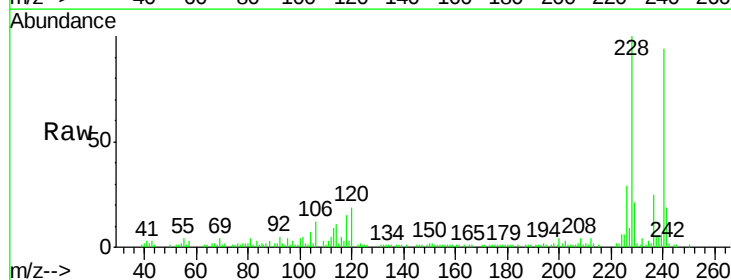
Instrument :
 BNA_F
 ClientSampleId :
 SP-2

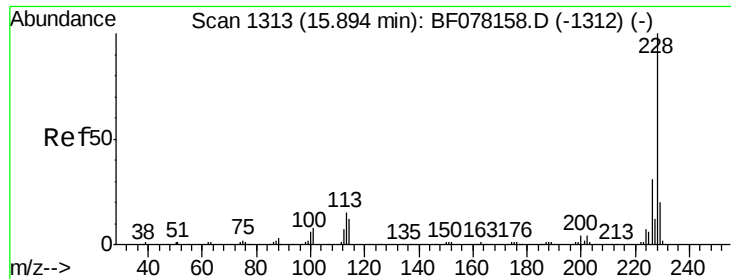
Tgt Ion: 244 Resp: 64682
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.0 7.4
 122 11.5 7.1 10.7#



#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

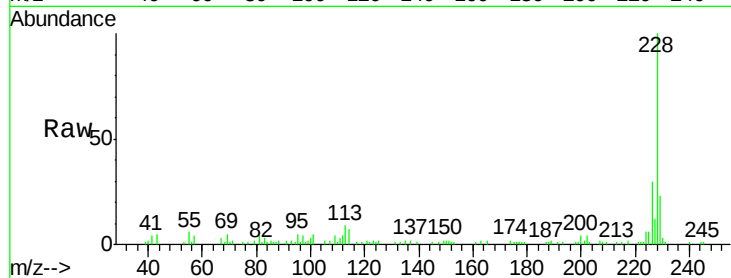
Tgt Ion:228 Resp: 52622

Ion Ratio Lower Upper

228 100

226 29.5 24.2 36.4

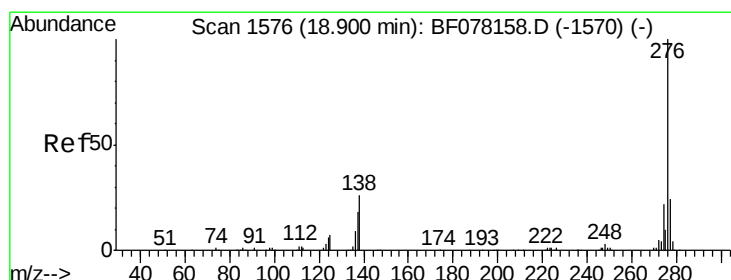
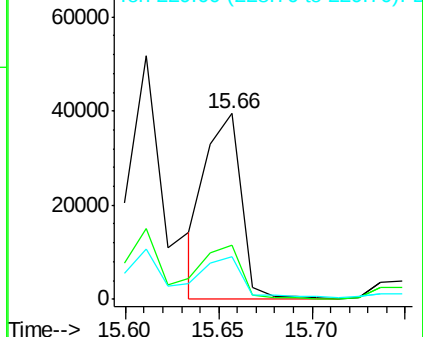
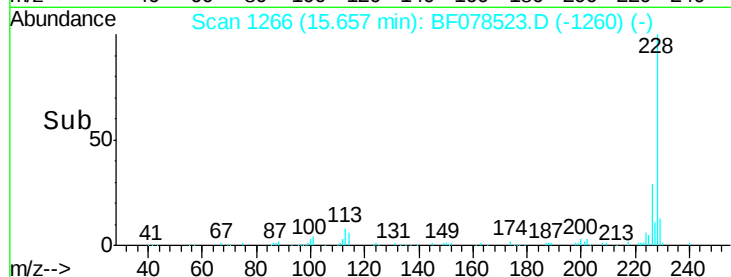
229 23.2 15.8 23.8



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: 4.06 ng m

RT: 18.48 min Scan# 1513

Delta R.T. -0.33 min

Lab File: BF078523.D

Acq: 15 Apr 2015 2:42

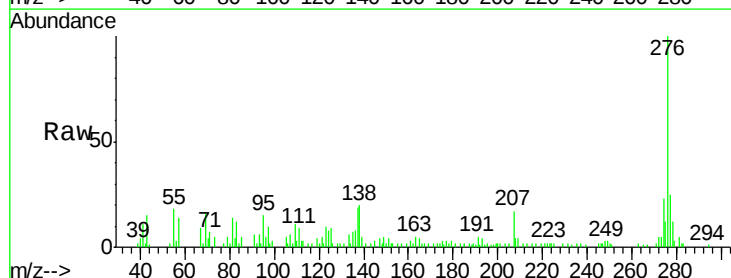
Tgt Ion:276 Resp: 36603

Ion Ratio Lower Upper

276 100

138 24.7 16.9 25.3

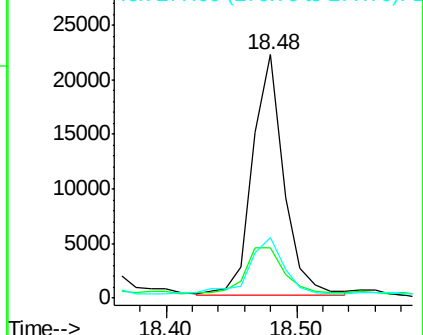
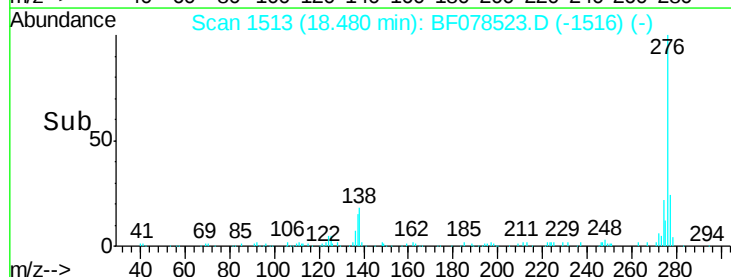
277 26.8 15.8 23.6#

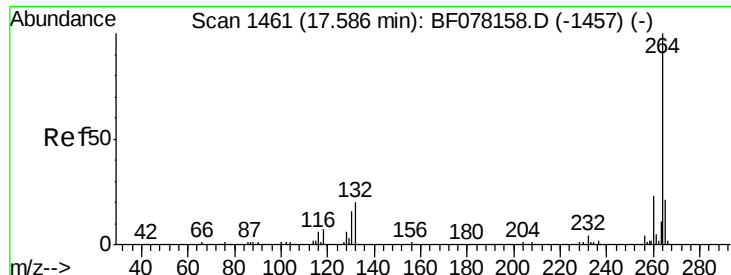


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

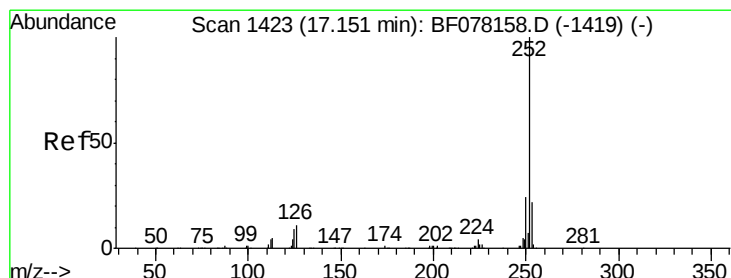
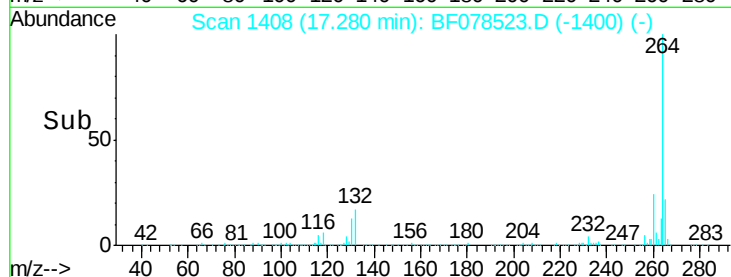
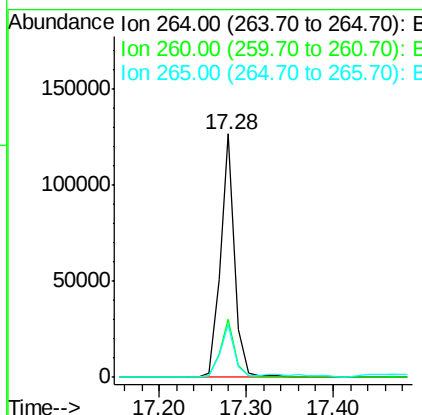
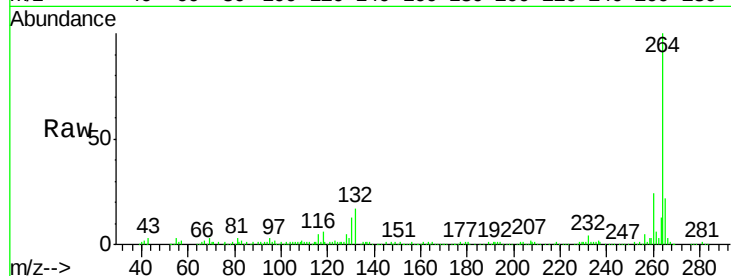




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.28 min Scan# 1408
Delta R.T. -0.21 min
Lab File: BF078523.D
Acq: 15 Apr 2015 2:42

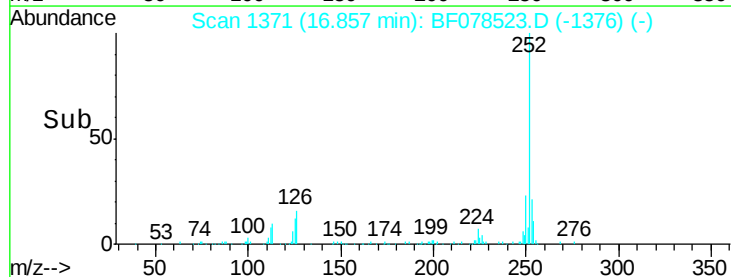
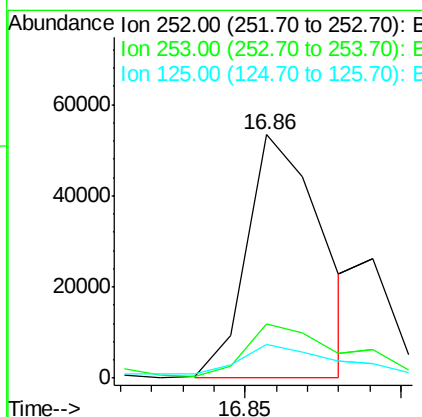
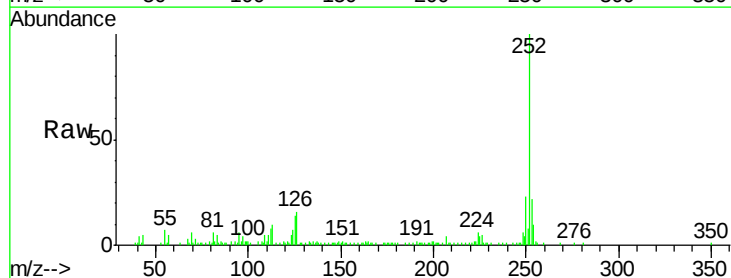
Instrument :
BNA_F
ClientSampleId :
SP-2

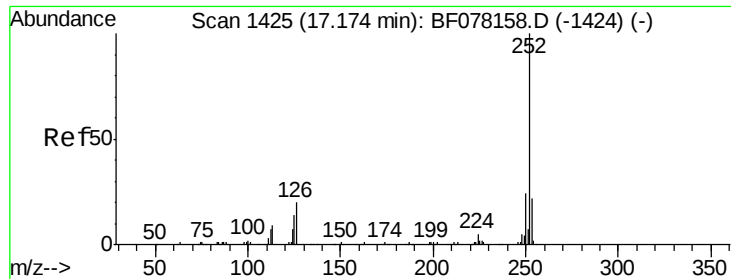
Tgt Ion: 264 Resp: 144293
Ion Ratio Lower Upper
264 100
260 23.9 18.6 27.8
265 22.0 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 10.00 ng m
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: 89134
Ion Ratio Lower Upper
252 100
253 22.2 17.2 25.8
125 13.9 7.0 10.4#

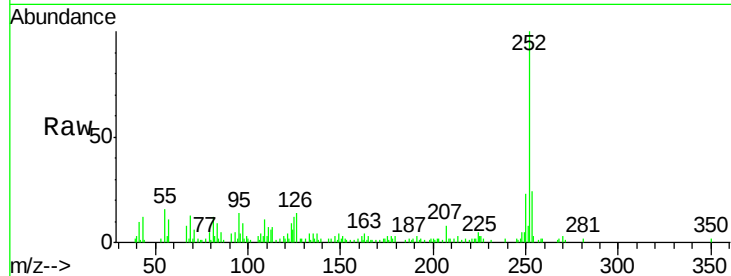




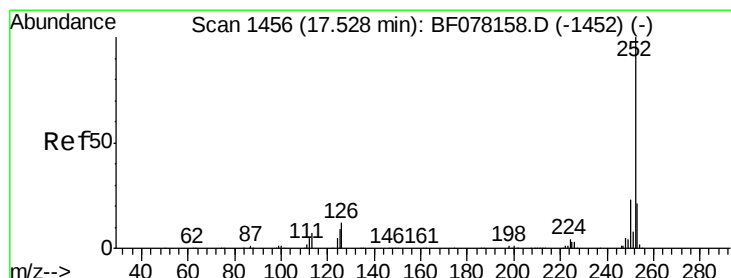
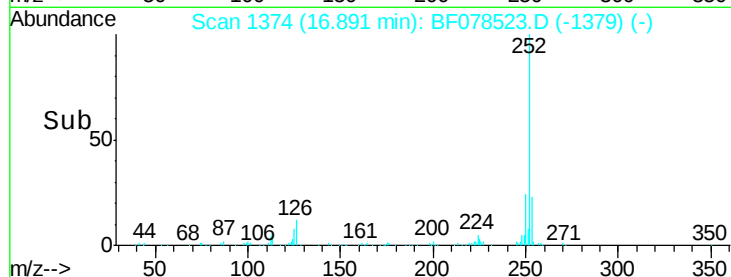
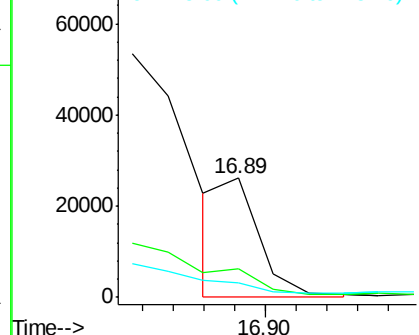
#88
Benzo(k)fluoranthene
Concen: 2.85 ng m
RT: 16.89 min Scan# 1374
Delta R.T. -0.16 min
Lab File: BF078523.D
Acq: 15 Apr 2015 2:42

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:252 Resp: 22581
Ion Ratio Lower Upper
252 100
253 24.2 17.5 26.3
125 12.0 11.6 17.4

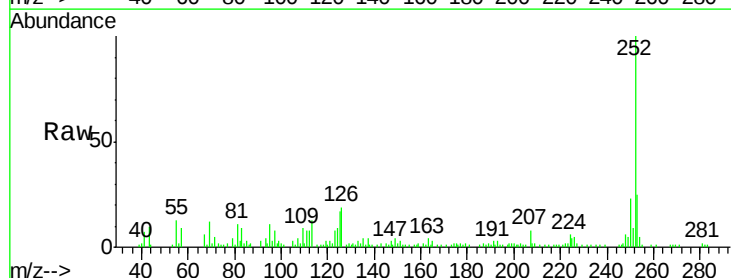


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

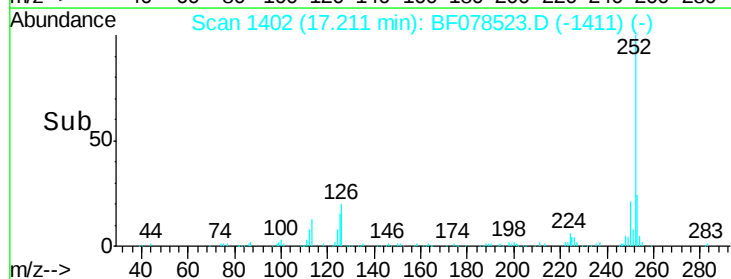
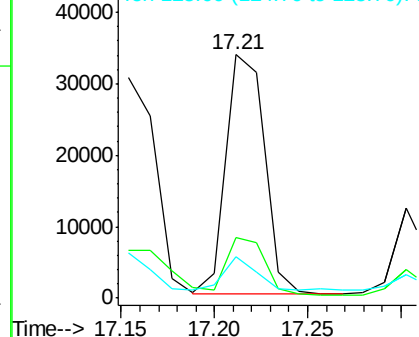


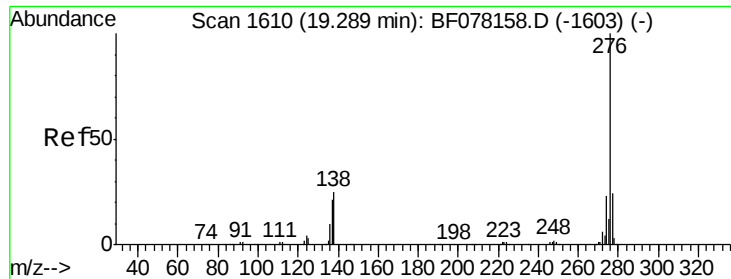
#89
Benzo(a)pyrene
Concen: 6.22 ng
RT: 17.21 min Scan# 1402
Delta R.T. -0.21 min
Lab File: BF078523.D
Acq: 15 Apr 2015 2:42

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#



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





#91

Benzo(g,h,i)perylene

Concen: 4.72 ng m

RT: 18.82 min Scan# 1543

Delta R.T. -0.33 min

Lab File: BF078523.D

Acq: 15 Apr 2015 2:42

Instrument :

BNA_F

ClientSampleId :

SP-2

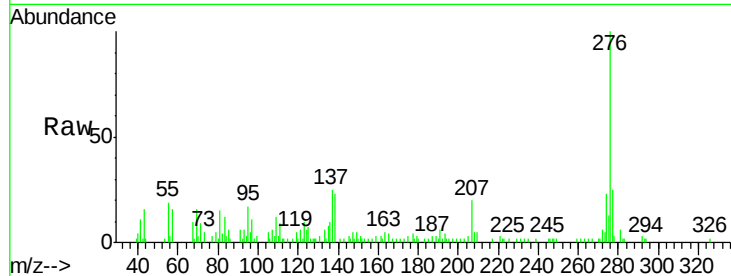
Tgt Ion: 276 Resp: 36846

Ion Ratio Lower Upper

276 100

277 25.3 19.0 28.4

138 23.2 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

