

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040915\
 Data File : BF078388.D
 Acq On : 10 Apr 2015 7:19
 Operator : TP/IZ
 Sample : G1782-03 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB09(2)

Quant Time: Apr 10 07:13:48 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 10 01:53:29 2015
 Response via : Initial Calibration

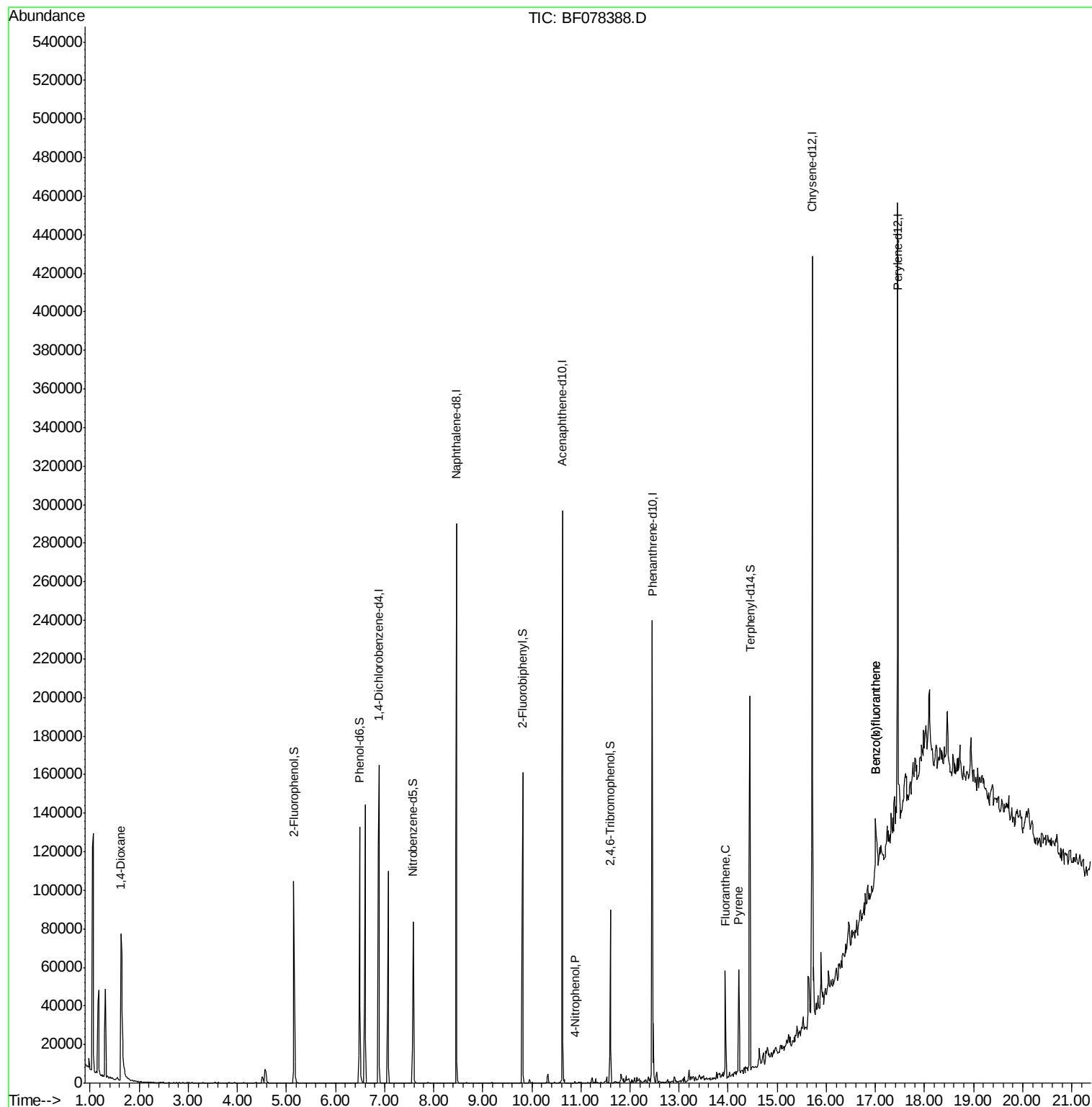
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	35242	20.00	ng	0.00
21) Naphthalene-d8	8.46	136	150078	20.00	ng	0.00
38) Acenaphthene-d10	10.62	164	73065	20.00	ng	0.00
63) Phenanthrene-d10	12.45	188	136637	20.00	ng	0.01
75) Chrysene-d12	15.71	240	145909	20.00	ng	0.00
86) Perylene-d12	17.45	264	146542	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	40463	18.93	ng	0.01
7) Phenol-d6	6.49	99	53642	20.03	ng	0.01
23) Nitrobenzene-d5	7.58	82	28585	11.54	ng	0.00
41) 2,4,6-Tribromophenol	11.60	330	10889	17.97	ng	0.00
44) 2-Fluorobiphenyl	9.81	172	67319	13.17	ng	0.00
78) Terphenyl-d14	14.44	244	76912	11.91	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.63	88	3581	3.70	ng	# 35
55) 4-Nitrophenol	10.88	139	208	2.98	ng	# 18
74) Fluoranthene	13.94	202	25410	3.05	ng	95
77) Pyrene	14.21	202	22460	2.45	ng	# 93
87) Benzo(b)fluoranthene	17.00	252	19091	2.11	ng	# 75
88) Benzo(k)fluoranthene	17.00	252	19298	2.40	ng	# 81

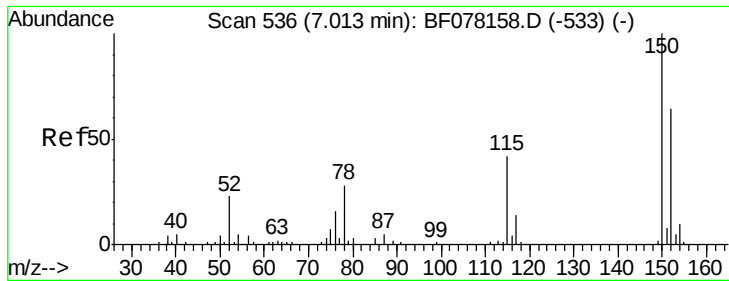
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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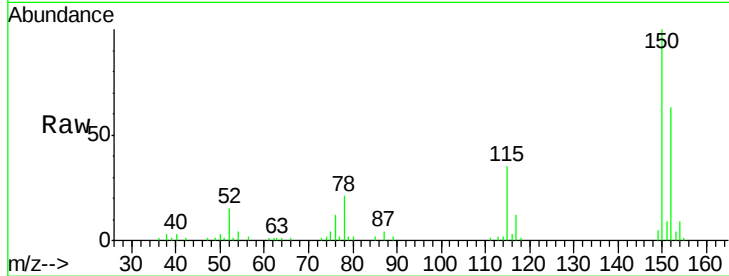


#1

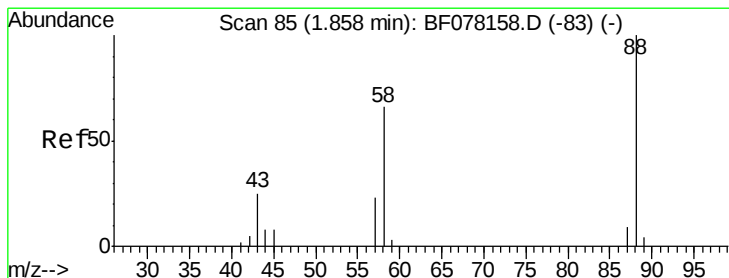
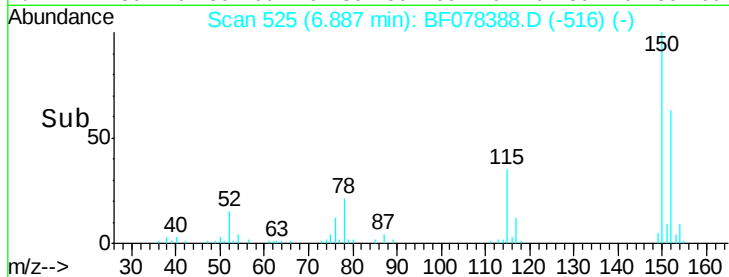
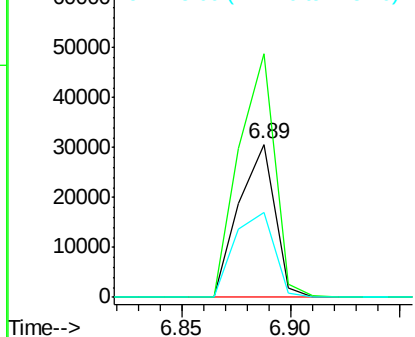
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF078388.D
Acq: 10 Apr 2015 7:19

Instrument :
BNA_F
ClientSampleId :
SB09(2)

Tgt Ion:152 Resp: 35242
Ion Ratio Lower Upper
152 100
150 159.1 125.9 188.9
115 55.3 52.7 79.1



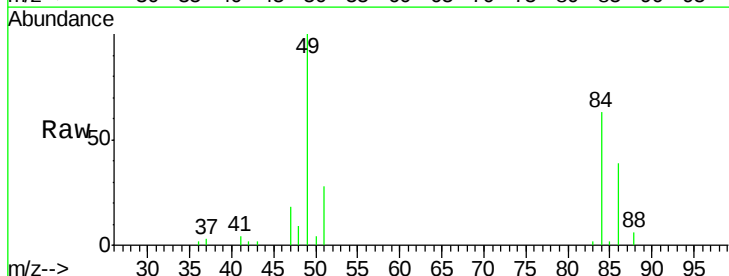
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



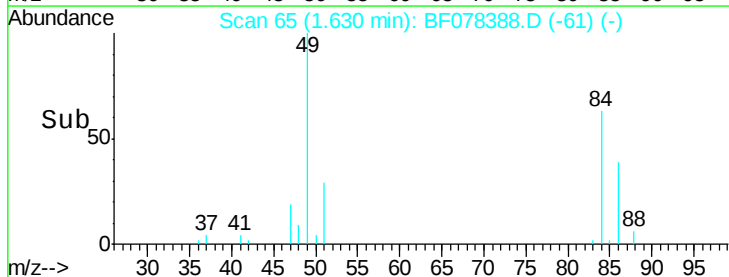
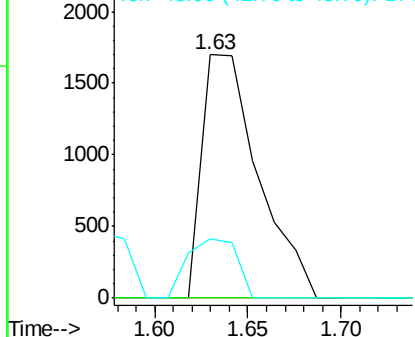
#2

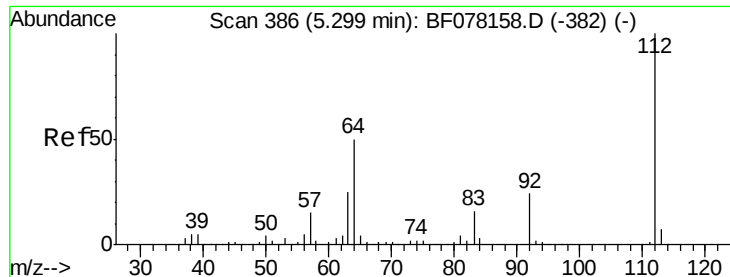
1,4-Dioxane
Concen: 3.70 ng
RT: 1.63 min Scan# 65
Delta R.T. -0.06 min
Lab File: BF078388.D
Acq: 10 Apr 2015 7:19

Tgt Ion: 88 Resp: 3581
Ion Ratio Lower Upper
88 100
58 0.0 56.9 85.3#
43 21.3 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: 18.93 ng

RT: 5.15 min Scan# 373

Delta R.T. 0.01 min

Lab File: BF078388.D

Acq: 10 Apr 2015 7:19

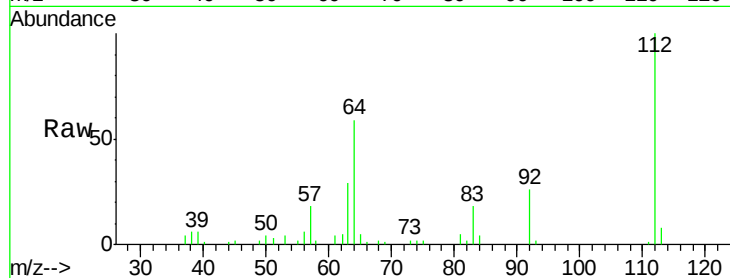
Instrument :

BNA_F

ClientSampleId :

SB09(2)

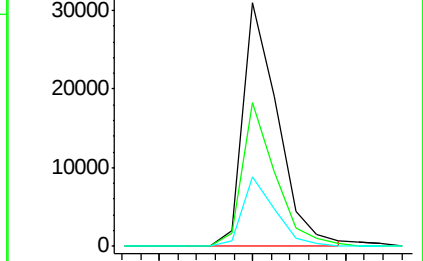
Tgt Ion:	112	Resp:	40463
Ion	Ratio	Lower	Upper
112	100		
64	58.9	39.9	59.9
63	28.8	20.2	30.4



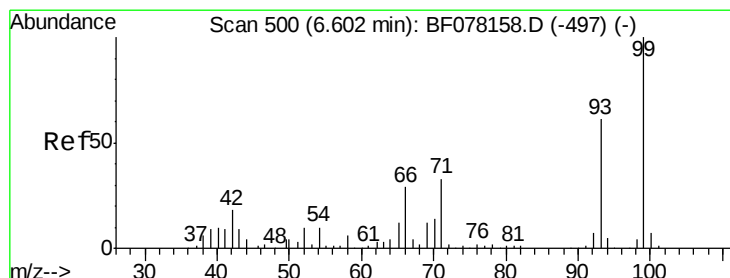
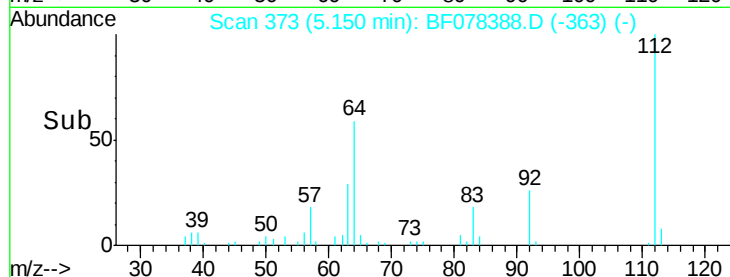
Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time-->



#7

Phenol-d6

Concen: 20.03 ng

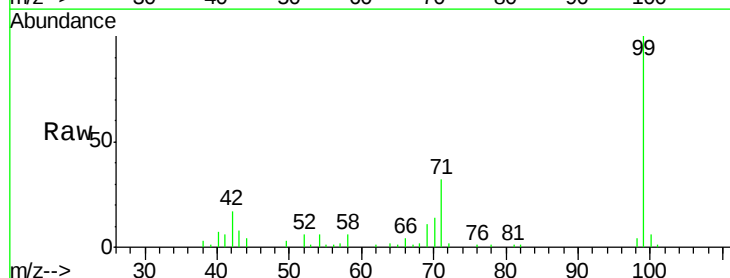
RT: 6.49 min Scan# 490

Delta R.T. 0.01 min

Lab File: BF078388.D

Acq: 10 Apr 2015 7:19

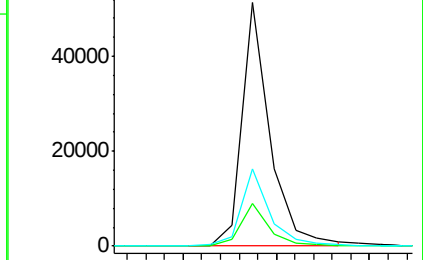
Tgt Ion:	99	Resp:	53642
Ion	Ratio	Lower	Upper
99	100		
42	17.3	14.8	22.2
71	31.8	26.6	39.8



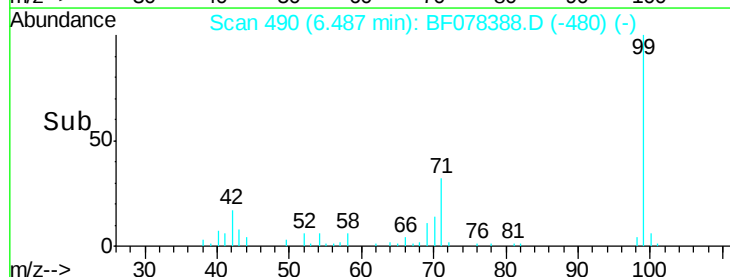
Abundance Ion 99.00 (98.70 to 99.70): BF0

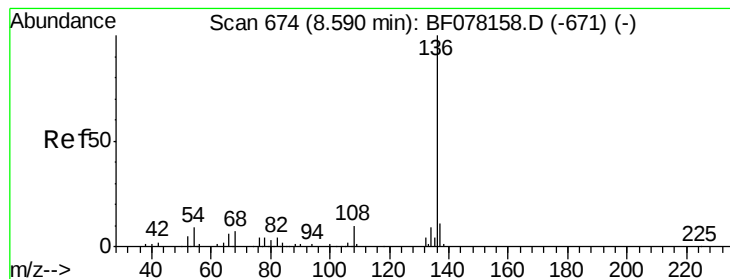
Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.46 min Scan# 663

Delta R.T. -0.00 min

Lab File: BF078388.D

Acq: 10 Apr 2015 7:19

Instrument :

BNA_F

ClientSampleId :

SB09(2)

Tgt Ion: 136 Resp: 150078

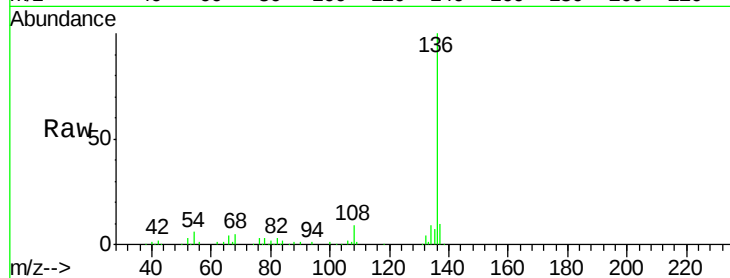
Ion Ratio Lower Upper

136 100

137 10.3 9.0 13.4

54 5.7 7.0 10.6#

68 4.9 5.4 8.2#

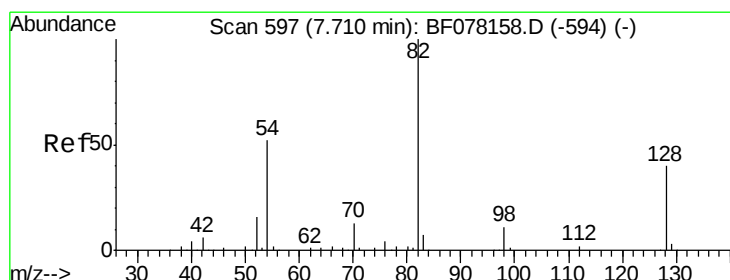
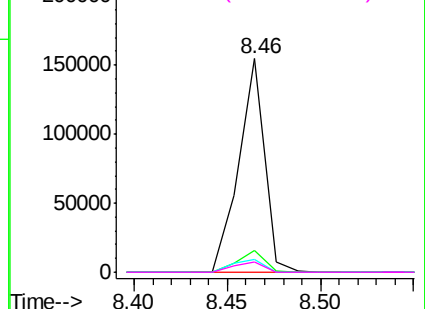
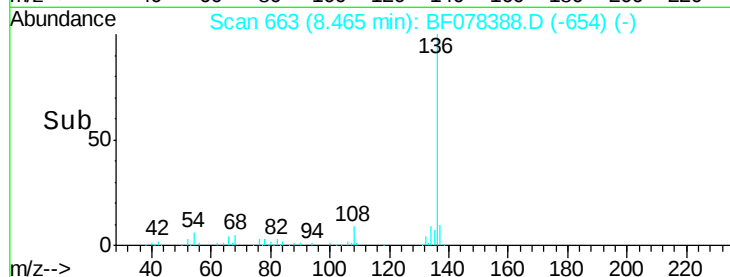


Abundance Ion 136.00 (135.70 to 136.70): E

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: 11.54 ng

RT: 7.58 min Scan# 586

Delta R.T. -0.00 min

Lab File: BF078388.D

Acq: 10 Apr 2015 7:19

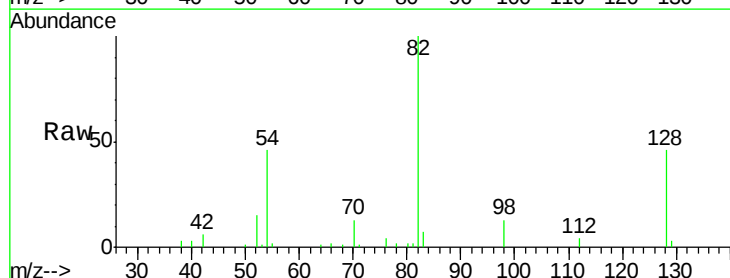
Tgt Ion: 82 Resp: 28585

Ion Ratio Lower Upper

82 100

128 46.3 31.8 47.8

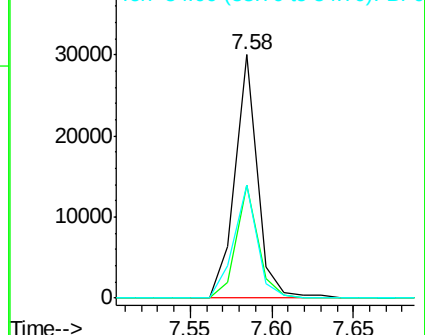
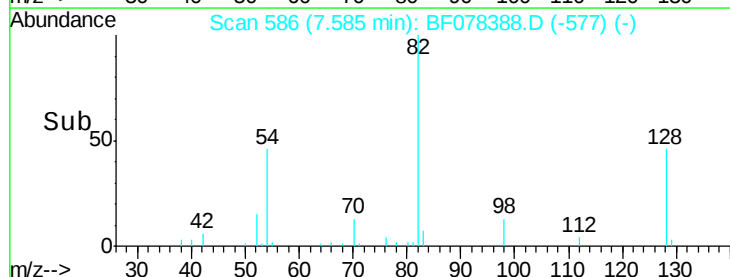
54 46.5 41.5 62.3

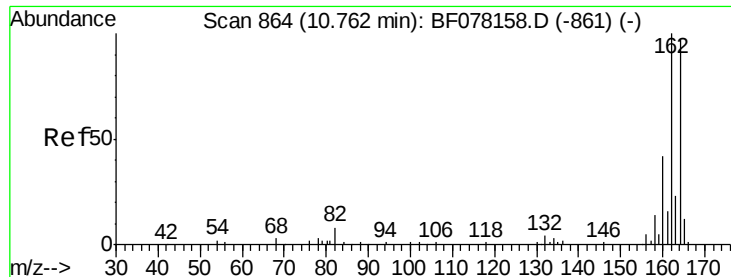


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

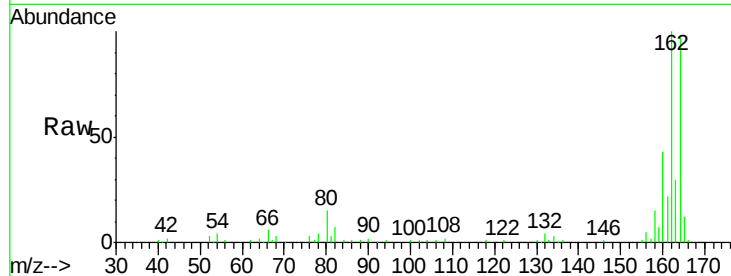




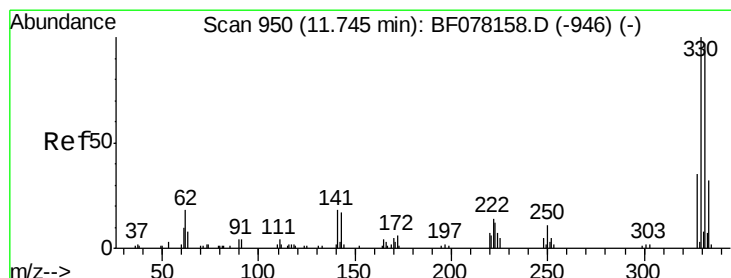
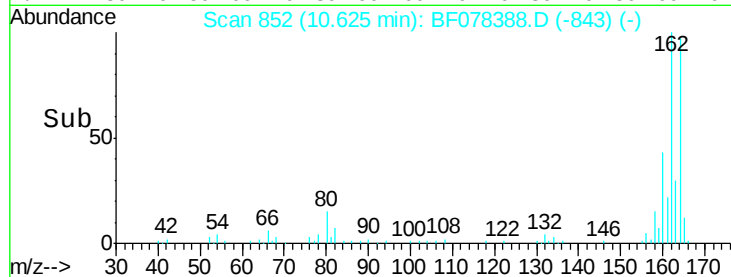
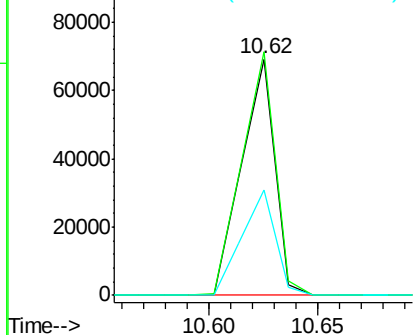
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.62 min Scan# 852
 Delta R.T. -0.00 min
 Lab File: BF078388.D
 Acq: 10 Apr 2015 7:19

Instrument :
 BNA_F
 ClientSampleId :
 SB09(2)

Tgt Ion:164 Resp: 73065
 Ion Ratio Lower Upper
 164 100
 162 102.9 82.2 123.2
 160 44.6 34.7 52.1

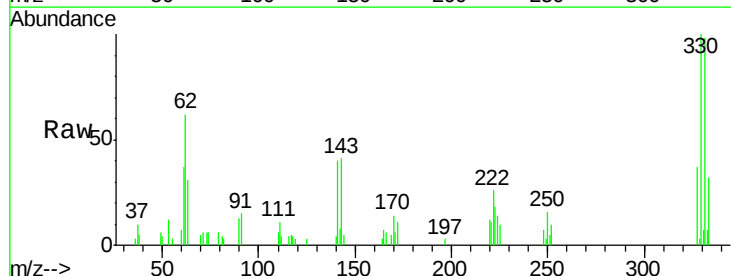


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

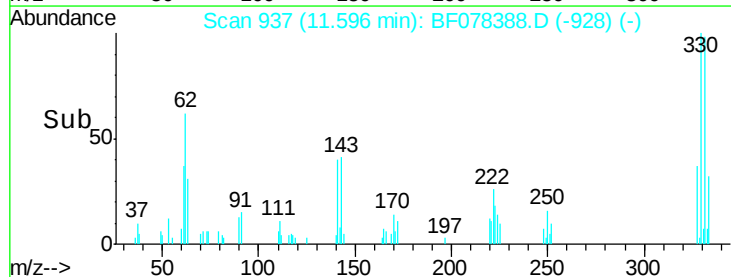
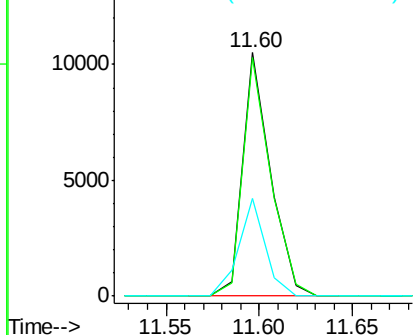


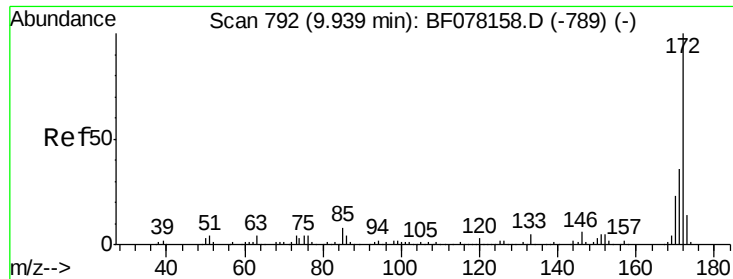
#41
 2,4,6-Tribromophenol
 Concen: 17.97 ng
 RT: 11.60 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: BF078388.D
 Acq: 10 Apr 2015 7:19

Tgt Ion:330 Resp: 10889
 Ion Ratio Lower Upper
 330 100
 332 98.1 78.6 117.8
 141 38.6 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: 13.17 ng

RT: 9.81 min Scan# 781

Delta R.T. -0.00 min

Lab File: BF078388.D

Acq: 10 Apr 2015 7:19

Instrument :

BNA_F

ClientSampleId :

SB09(2)

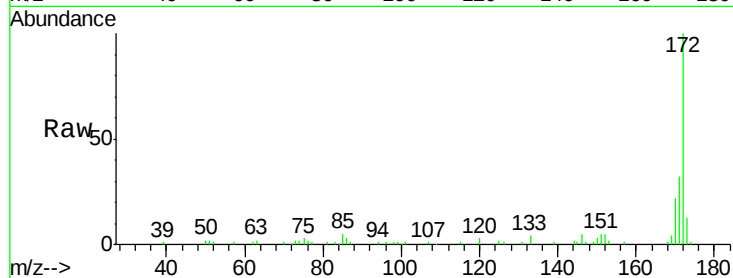
Tgt Ion:172 Resp: 67319

Ion Ratio Lower Upper

172 100

171 32.4 28.6 42.8

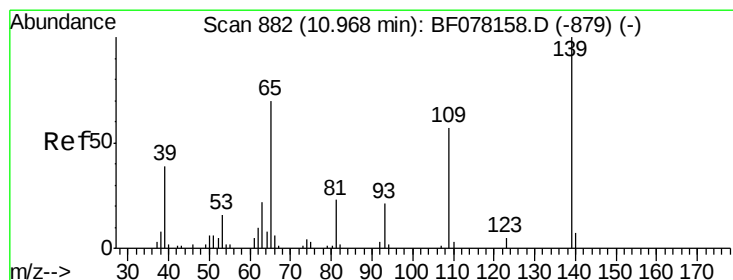
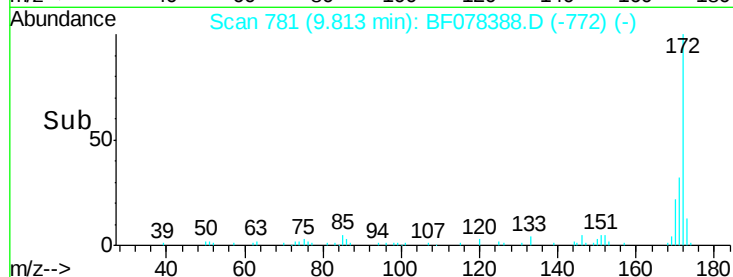
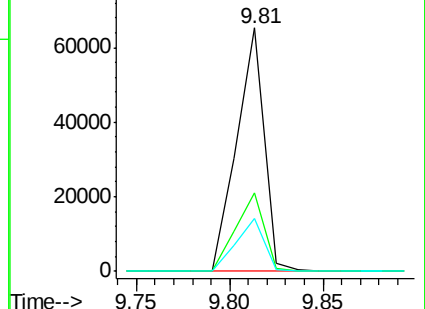
170 21.8 18.5 27.7



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: 2.98 ng

RT: 10.88 min Scan# 874

Delta R.T. 0.05 min

Lab File: BF078388.D

Acq: 10 Apr 2015 7:19

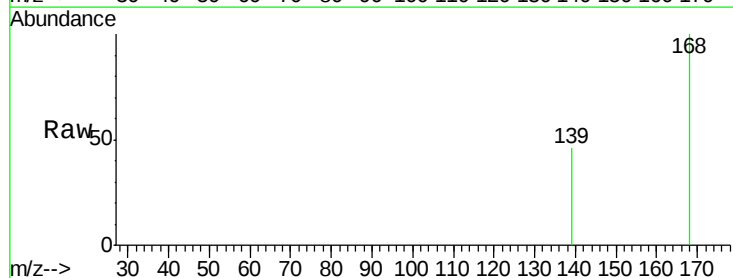
Tgt Ion:139 Resp: 208

Ion Ratio Lower Upper

139 100

109 0.0 36.7 76.7#

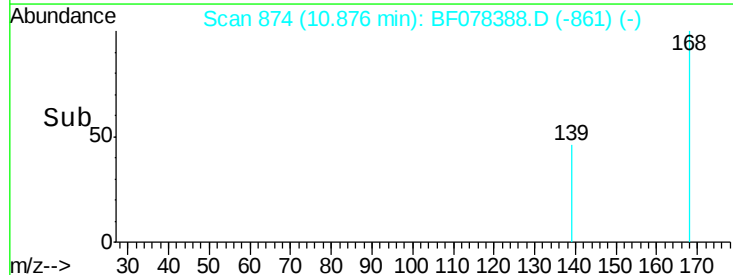
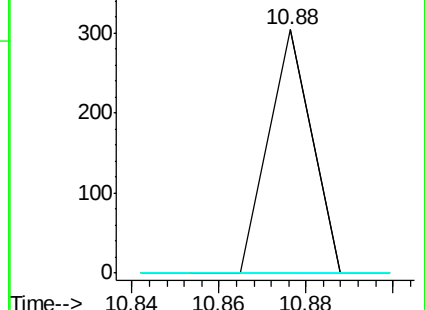
65 0.0 49.9 89.9#

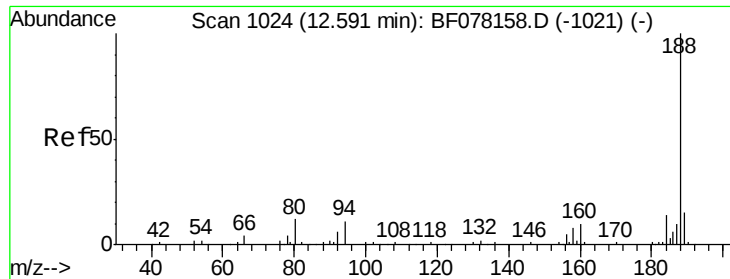


Abundance Ion 139.00 (138.70 to 139.70): E

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: 12.45 min Scan# 1012

Delta R.T. 0.01 min

Lab File: BF078388.D

Acq: 10 Apr 2015 7:19

Instrument :

BNA_F

ClientSampleId :

SB09(2)

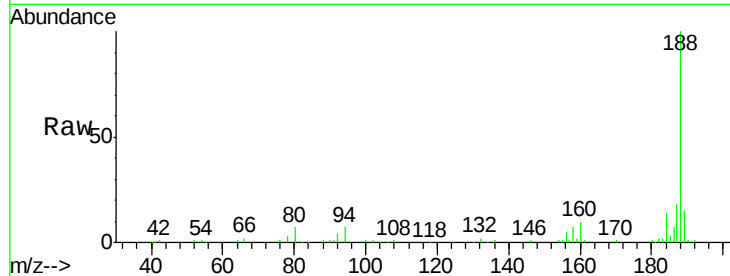
Tgt Ion:188 Resp: 136637

Ion Ratio Lower Upper

188 100

94 7.2 9.0 13.4#

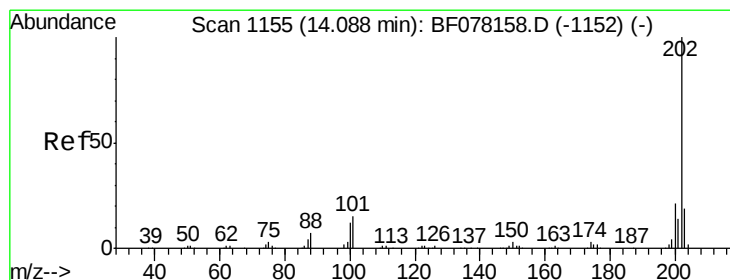
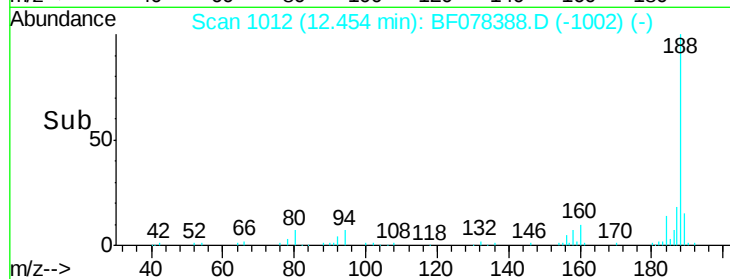
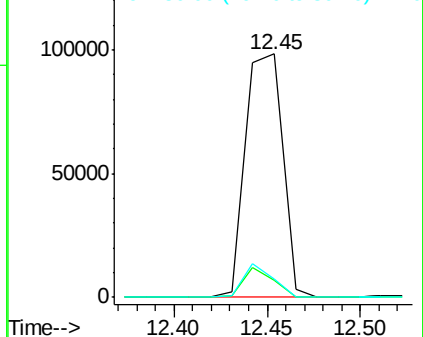
80 7.3 9.5 14.3#



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



#74

Fluoranthene

Concen: 3.05 ng

RT: 13.94 min Scan# 1142

Delta R.T. -0.00 min

Lab File: BF078388.D

Acq: 10 Apr 2015 7:19

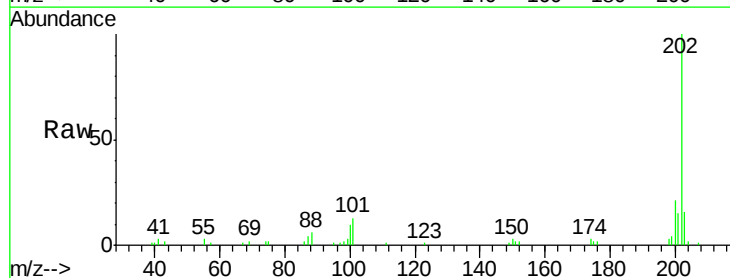
Tgt Ion:202 Resp: 25410

Ion Ratio Lower Upper

202 100

101 12.5 0.0 35.2

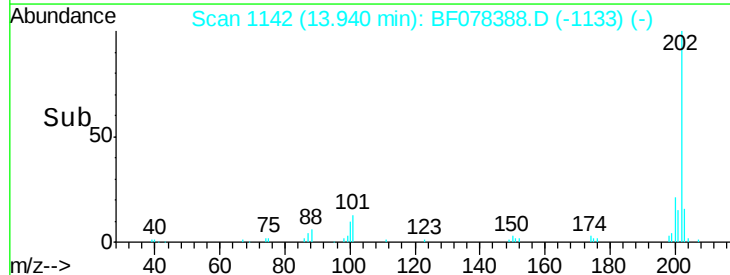
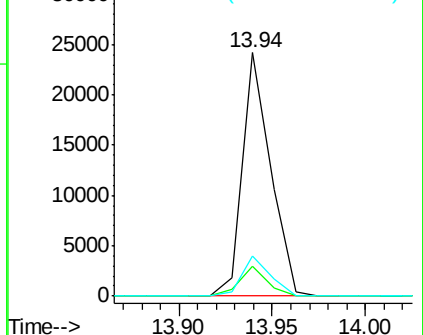
203 16.4 0.0 38.5

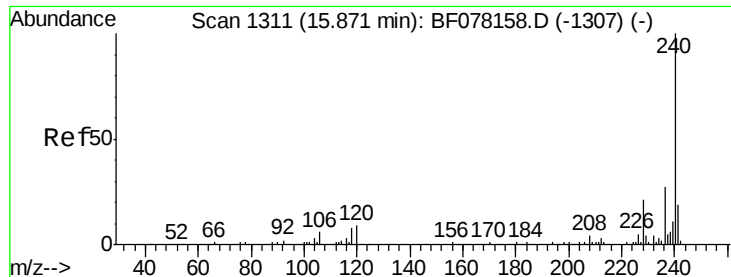


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.71 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BF078388.D

Acq: 10 Apr 2015 7:19

Instrument :

BNA_F

ClientSampleId :

SB09(2)

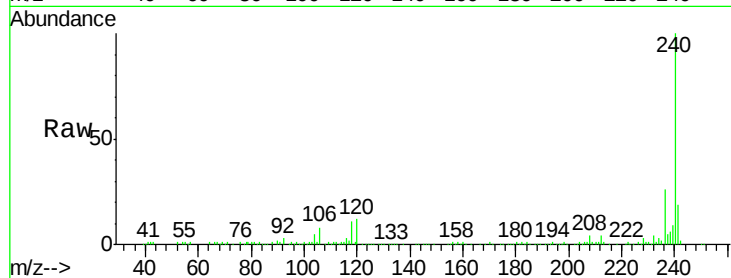
Tgt Ion:240 Resp: 145909

Ion Ratio Lower Upper

240 100

120 12.5 7.1 10.7#

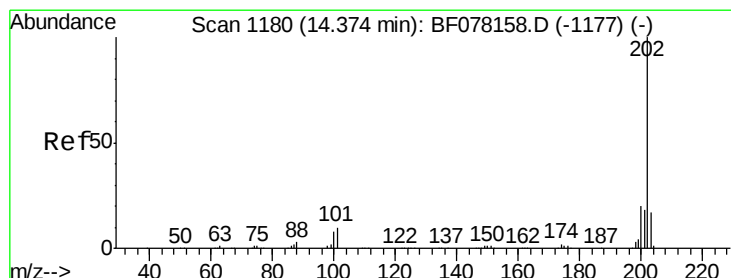
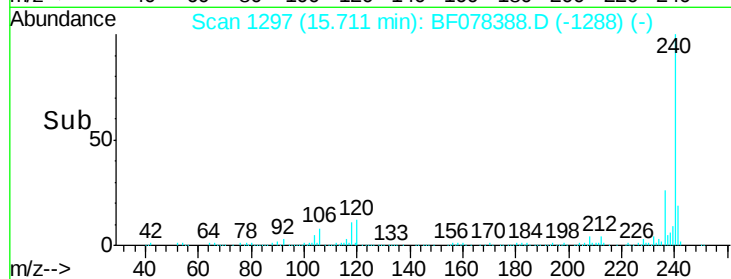
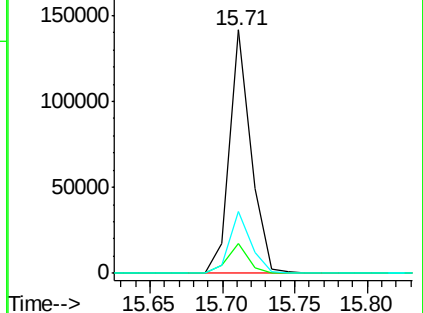
236 25.5 21.4 32.2



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: 2.45 ng

RT: 14.21 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BF078388.D

Acq: 10 Apr 2015 7:19

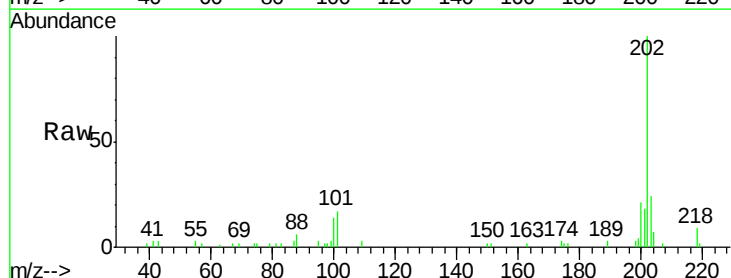
Tgt Ion:202 Resp: 22460

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

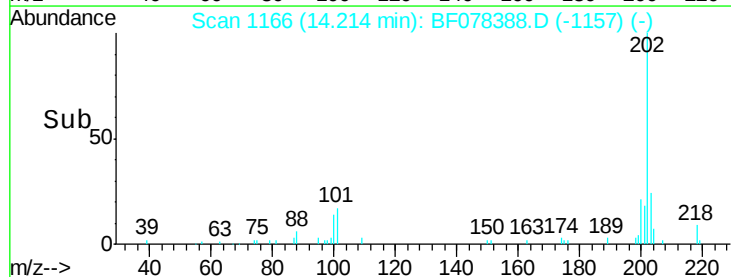
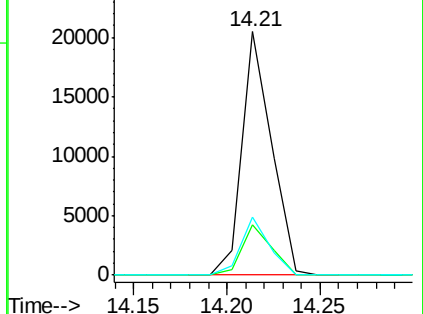
203 23.8 13.8 20.6#

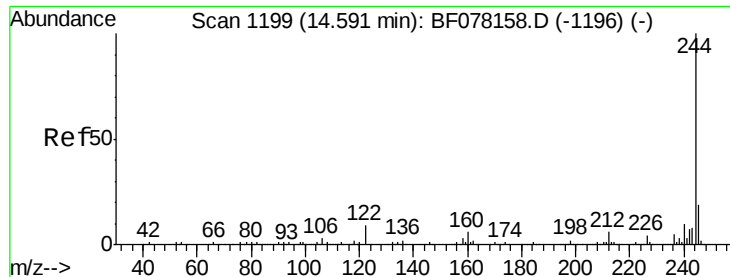


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 11.91 ng

RT: 14.44 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BF078388.D

Acq: 10 Apr 2015 7:19

Instrument :

BNA_F

ClientSampleId :

SB09(2)

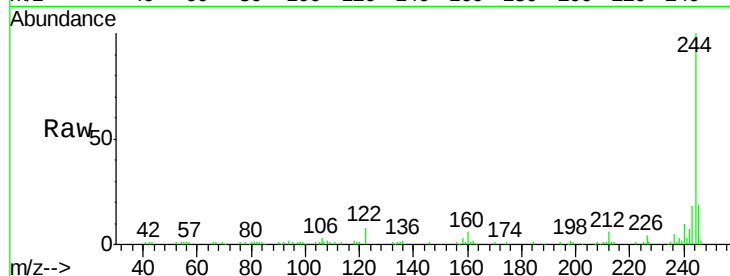
Tgt Ion:244 Resp: 76912

Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.4

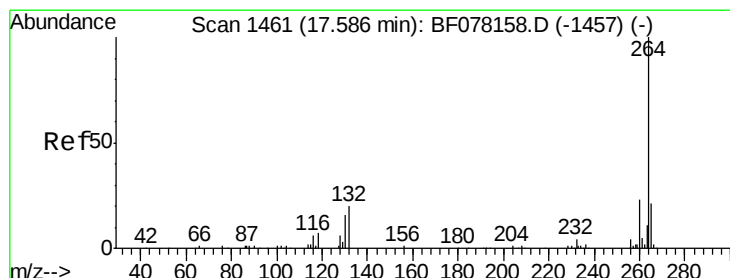
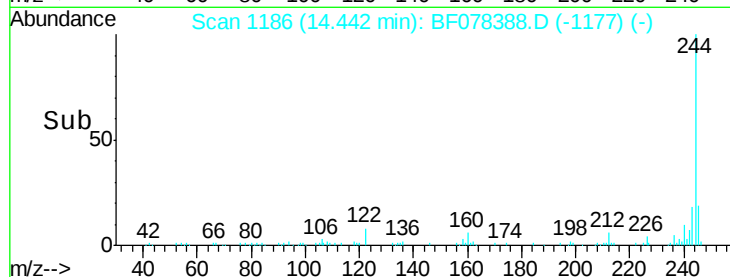
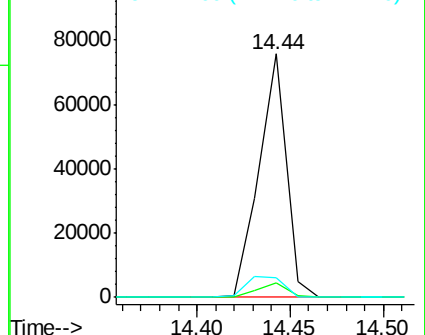
122 8.2 7.1 10.7



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: 17.45 min Scan# 1449

Delta R.T. 0.03 min

Lab File: BF078388.D

Acq: 10 Apr 2015 7:19

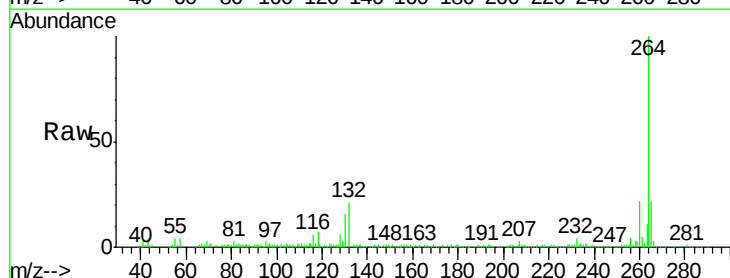
Tgt Ion:264 Resp: 146542

Ion Ratio Lower Upper

264 100

260 22.3 18.6 27.8

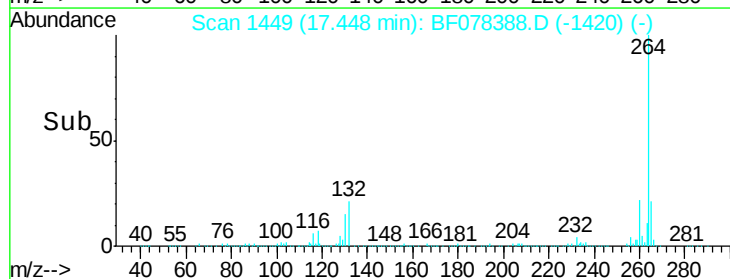
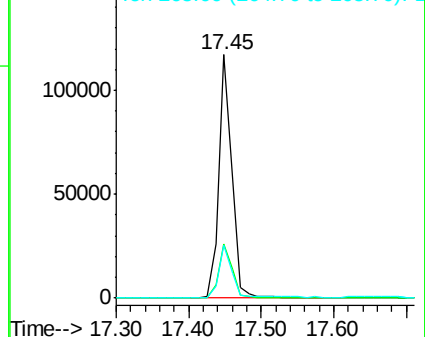
265 21.8 17.0 25.6

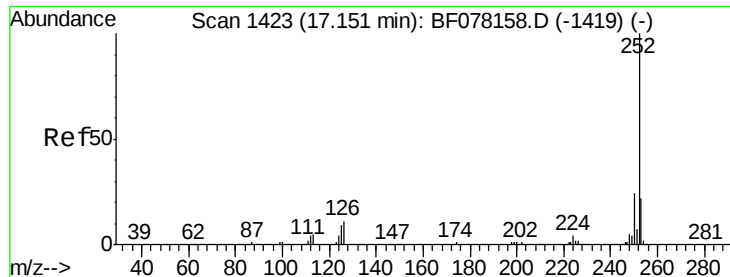


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

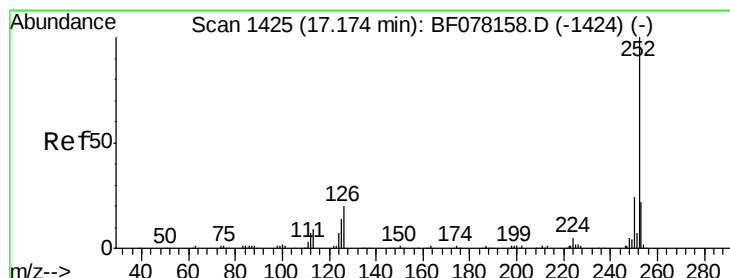
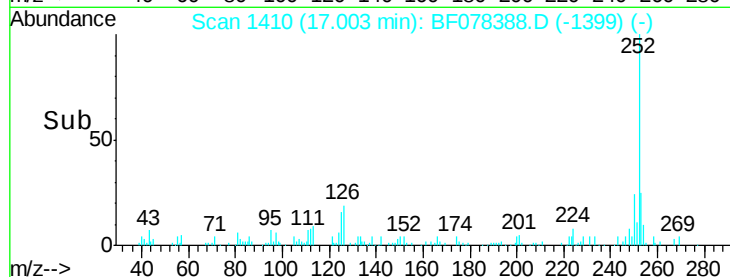
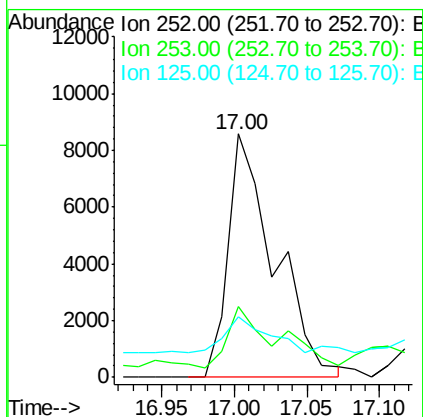
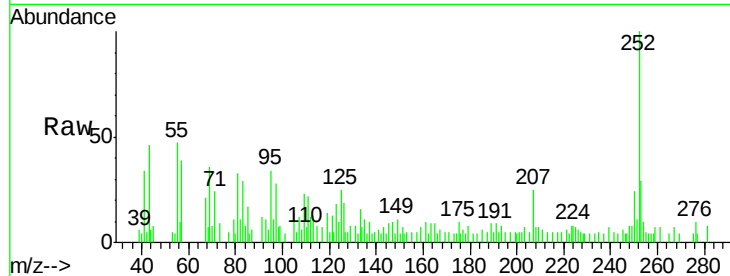




#87
Benzo(b)fluoranthene
Concen: 2.11 ng
RT: 17.00 min Scan# 1410
Delta R.T. 0.02 min
Lab File: BF078388.D
Acq: 10 Apr 2015 7:19

Instrument :
BNA_F
ClientSampleId :
SB09(2)

Tgt Ion:252 Resp: 19091
Ion Ratio Lower Upper
252 100
253 29.1 17.2 25.8#
125 25.0 7.0 10.4#



#88
Benzo(k)fluoranthene
Concen: 2.40 ng
RT: 17.00 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BF078388.D
Acq: 10 Apr 2015 7:19

Tgt Ion:252 Resp: 19298
Ion Ratio Lower Upper
252 100
253 29.1 17.5 26.3#
125 25.0 11.6 17.4#

