

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050715\
 Data File : BF079006.D
 Acq On : 7 May 2015 20:07
 Operator : TP/IZ
 Sample : G2084-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1

Quant Time: May 08 01:08:08 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 08 00:46:40 2015
 Response via : Initial Calibration

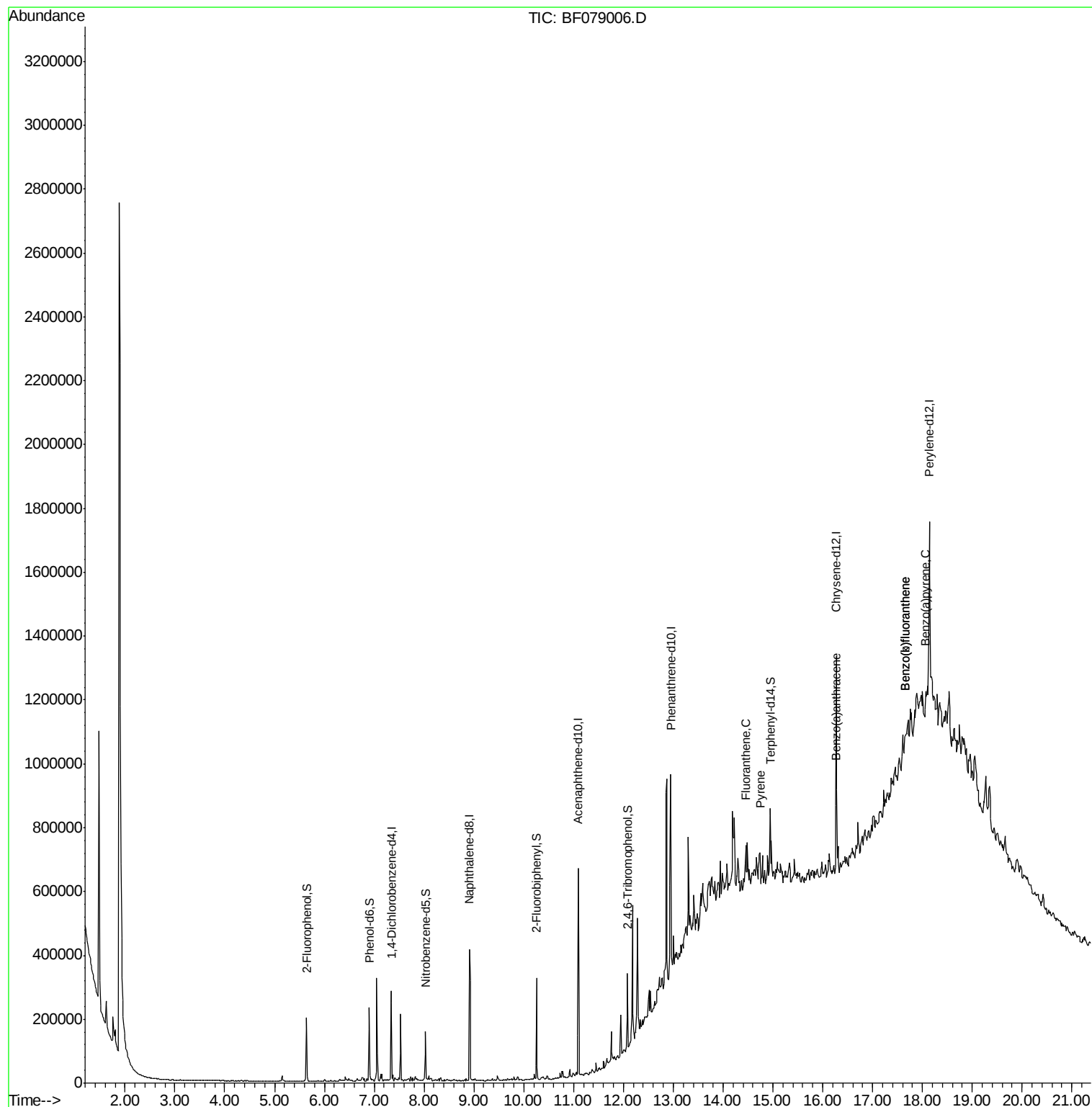
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	60360	20.00	ng	0.01
21) Naphthalene-d8	8.91	136	246204	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	128808	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	250905	20.00	ng	0.01
75) Chrysene-d12	16.27	240	268038	20.00	ng	0.00
86) Perylene-d12	18.14	264	276777	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	77438	22.08	ng	0.01
7) Phenol-d6	6.90	99	105286	22.72	ng	0.01
23) Nitrobenzene-d5	8.03	82	56292	13.14	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	27504	19.74	ng	0.00
44) 2-Fluorobiphenyl	10.26	172	98078	10.61	ng	0.00
78) Terphenyl-d14	14.95	244	118046	10.54	ng	0.01
Target Compounds						Qvalue
74) Fluoranthene	14.46	202	46364	3.17	ng	97
77) Pyrene	14.74	202	43653	2.83	ng	96
80) Benzo(a)anthracene	16.26	228	31553	2.15	ng	# 81
87) Benzo(b)fluoranthene	17.66	252	60458	3.99	ng	# 72
88) Benzo(k)fluoranthene	17.66	252	60659	4.14	ng	# 74
89) Benzo(a)pyrene	18.07	252	29096	2.09	ng	# 64

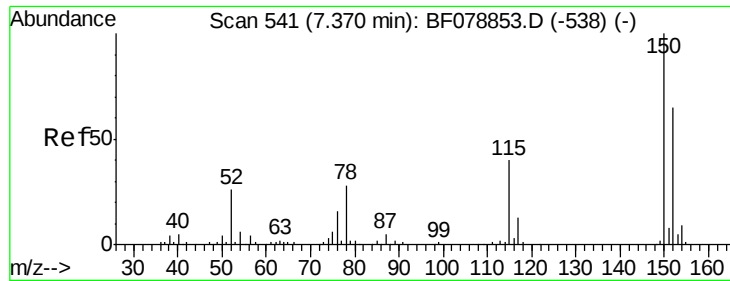
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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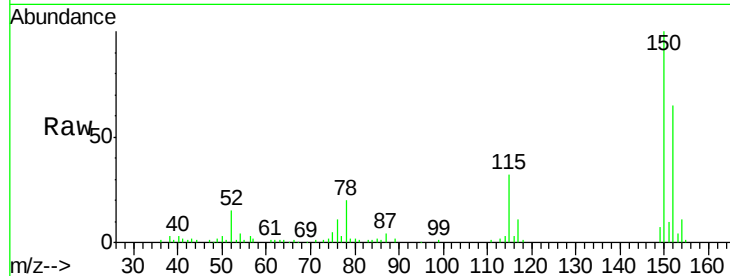


#1

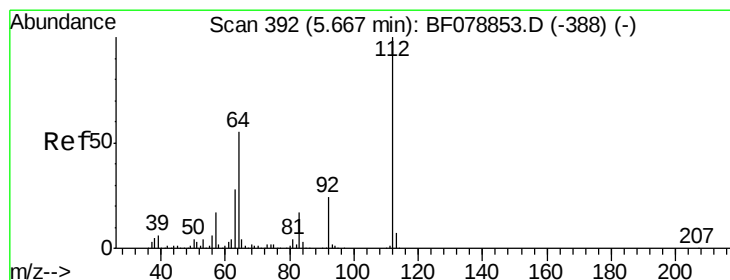
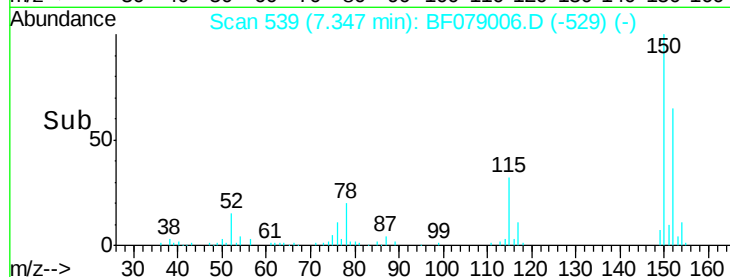
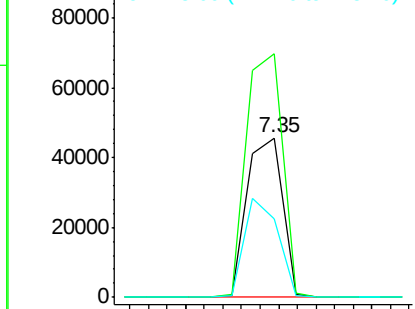
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 539
Delta R.T. 0.01 min
Lab File: BF079006.D
Acq: 7 May 2015 20:07

Instrument :
BNA_F
ClientSampleId :
1

Tgt Ion:152 Resp: 60360
Ion Ratio Lower Upper
152 100
150 153.0 122.0 183.0
115 49.2 46.3 69.5



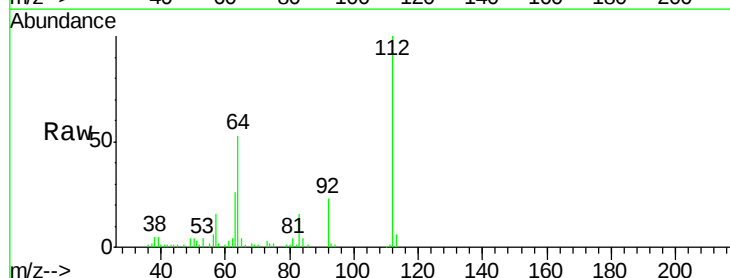
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



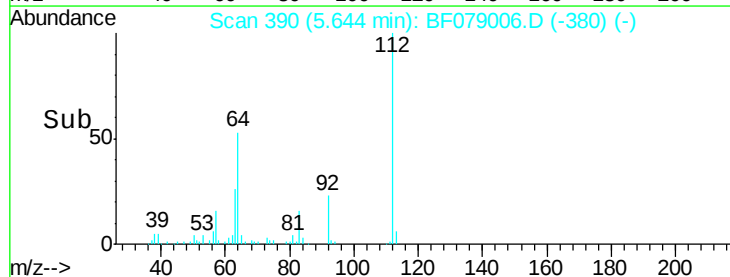
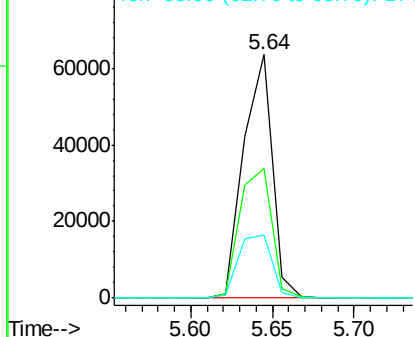
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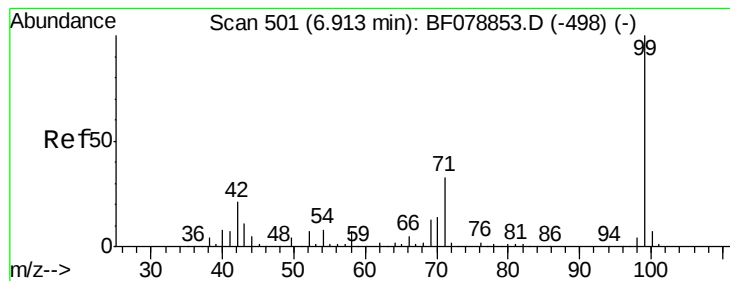
2-Fluorophenol
Concen: 22.08 ng
RT: 5.64 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF079006.D
Acq: 7 May 2015 20:07

Tgt Ion:112 Resp: 77438
Ion Ratio Lower Upper
112 100
64 53.3 53.5 80.3#
63 25.8 27.5 41.3#



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: 22.72 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF079006.D

Acq: 7 May 2015 20:07

Instrument :

BNA_F

ClientSampleId :

1

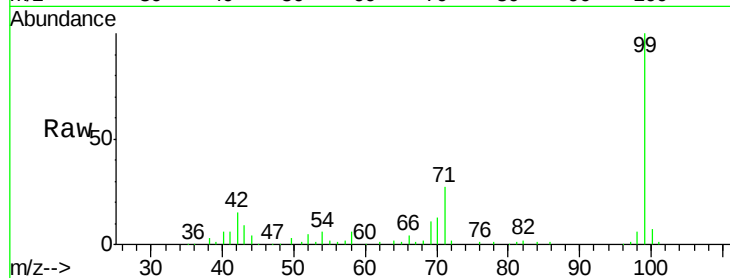
Tgt Ion: 99 Resp: 105286

Ion Ratio Lower Upper

99 100

42 14.5 12.8 19.2

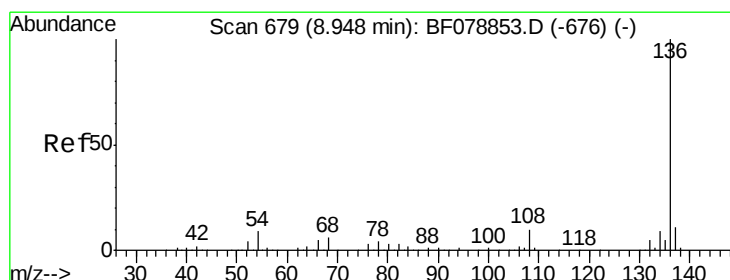
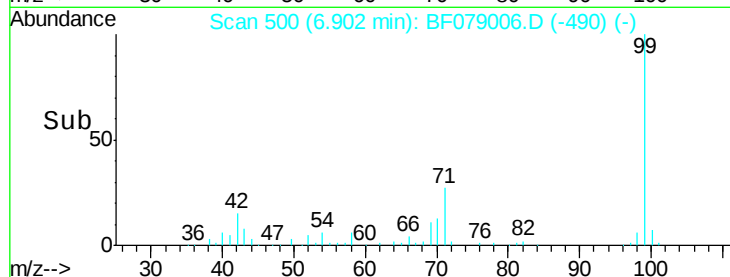
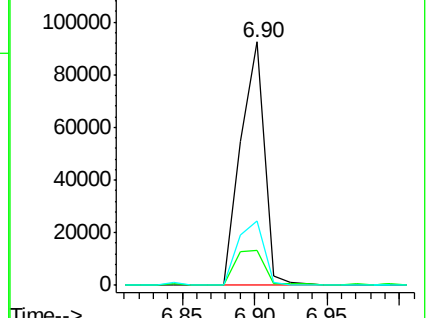
71 26.7 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF078853.D (-498) (-)

Ion 42.00 (41.70 to 42.70): BF078853.D (-498) (-)

Ion 71.00 (70.70 to 71.70): BF078853.D (-498) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.91 min Scan# 676

Delta R.T. 0.00 min

Lab File: BF079006.D

Acq: 7 May 2015 20:07

Tgt Ion: 136 Resp: 246204

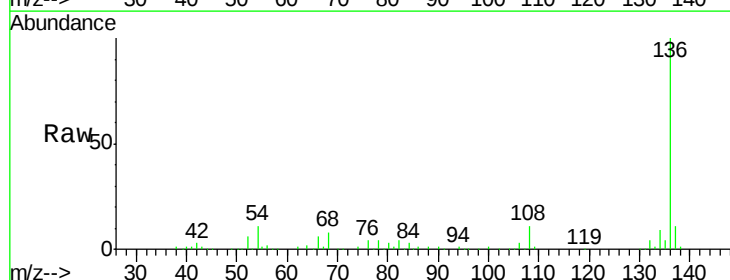
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 10.7 5.8 8.8#

68 8.0 4.2 6.4#

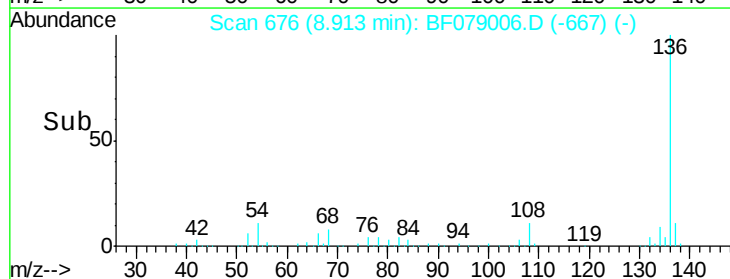
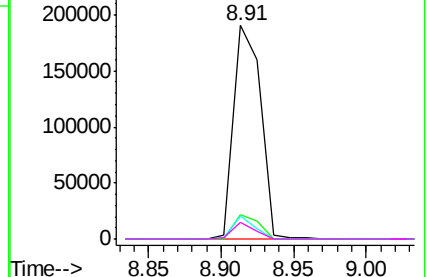


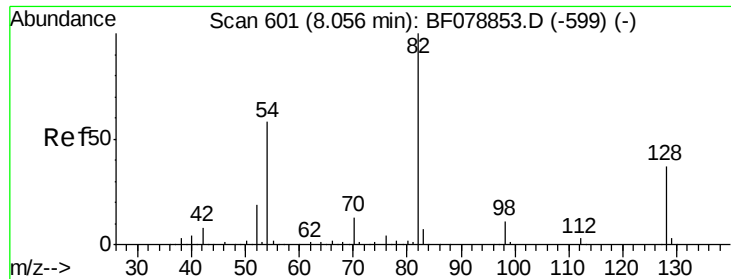
Abundance Ion 136.00 (135.70 to 136.70): BF078853.D (-676) (-)

Ion 137.00 (136.70 to 137.70): BF078853.D (-676) (-)

Ion 54.00 (53.70 to 54.70): BF078853.D (-676) (-)

Ion 68.00 (67.70 to 68.70): BF078853.D (-676) (-)

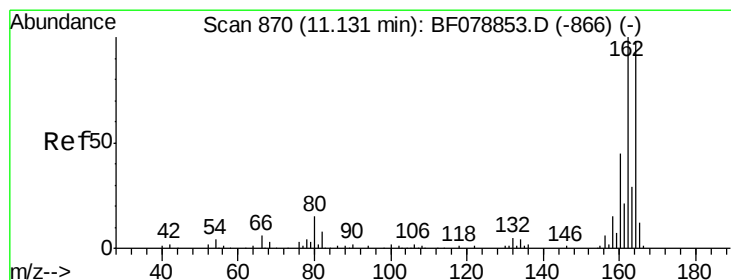
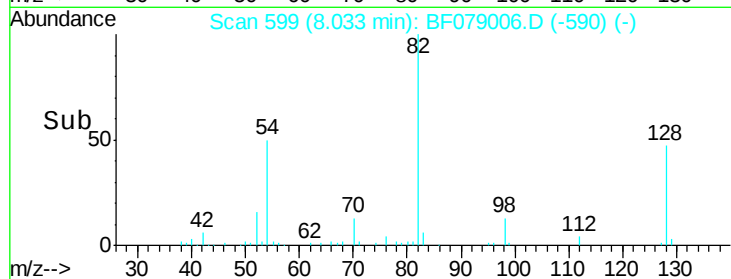
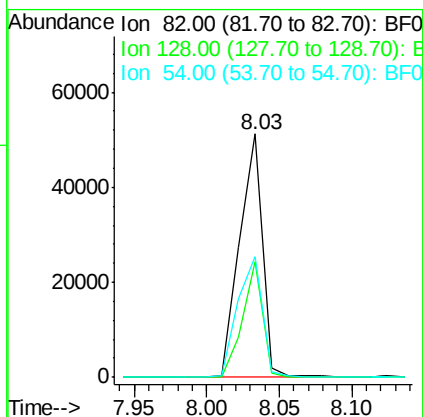
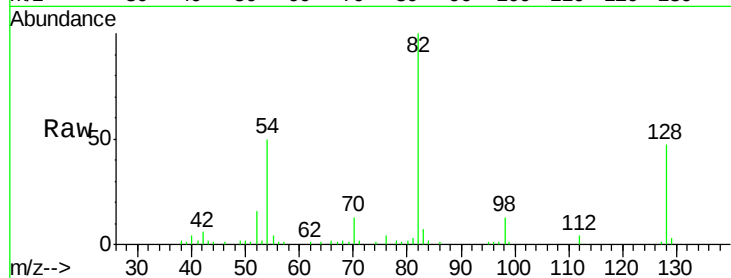




#23
 Nitrobenzene-d5
 Concen: 13.14 ng
 RT: 8.03 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: BF079006.D
 Acq: 7 May 2015 20:07

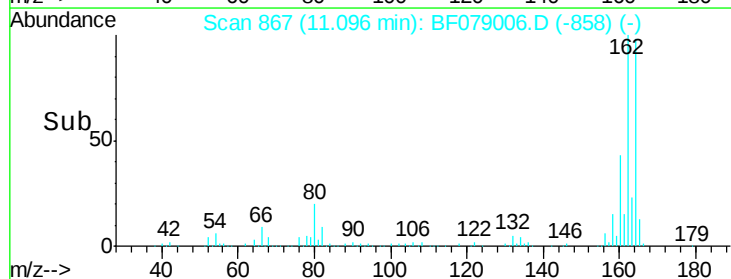
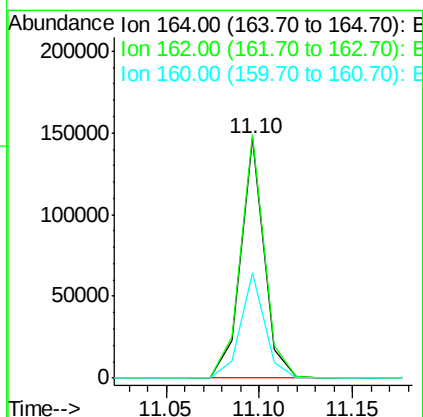
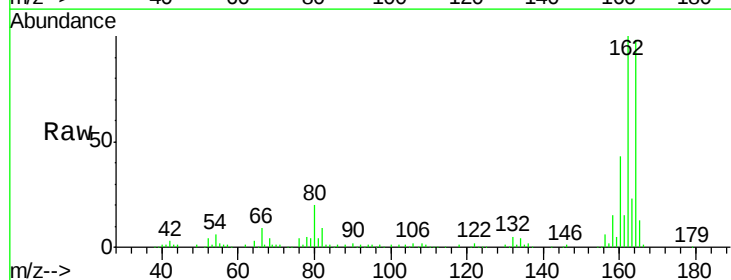
Instrument :
 BNA_F
 ClientSampleId :
 1

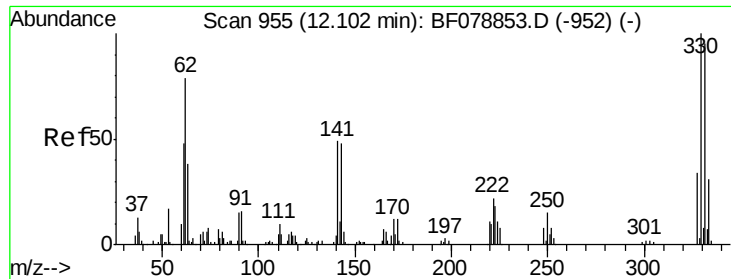
Tgt Ion: 82 Resp: 56292
 Ion Ratio Lower Upper
 82 100
 128 47.4 30.0 45.0#
 54 49.7 46.4 69.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: BF079006.D
 Acq: 7 May 2015 20:07

Tgt Ion: 164 Resp: 128808
 Ion Ratio Lower Upper
 164 100
 162 101.8 82.7 124.1
 160 43.8 35.8 53.8

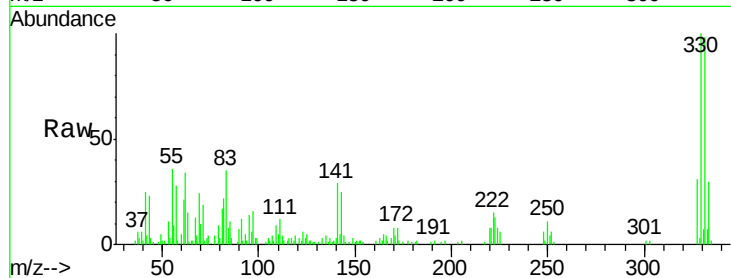




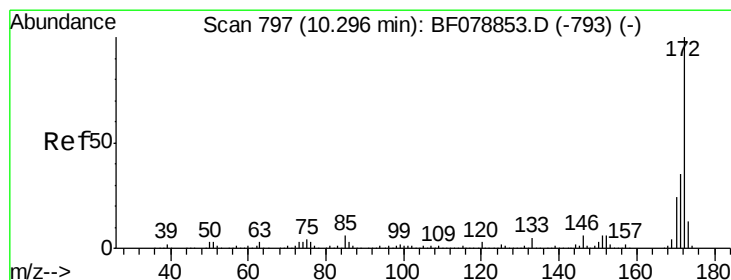
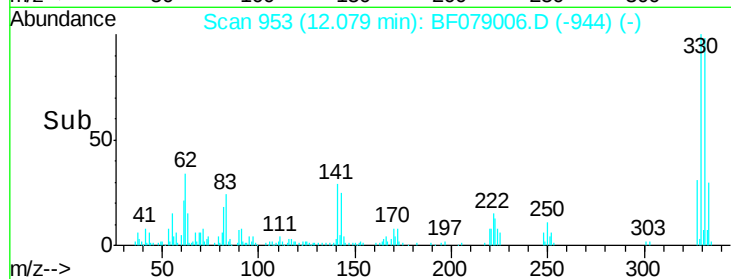
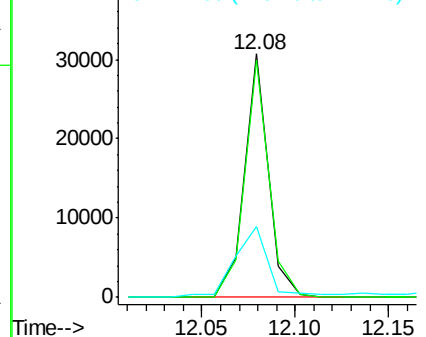
#41
 2,4,6-Tribromophenol
 Concen: 19.74 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF079006.D
 Acq: 7 May 2015 20:07

Instrument :
 BNA_F
 ClientSampleId :
 1

Tgt Ion:330 Resp: 27504
 Ion Ratio Lower Upper
 330 100
 332 99.0 0.0 0.0#
 141 42.3 0.0 0.0#

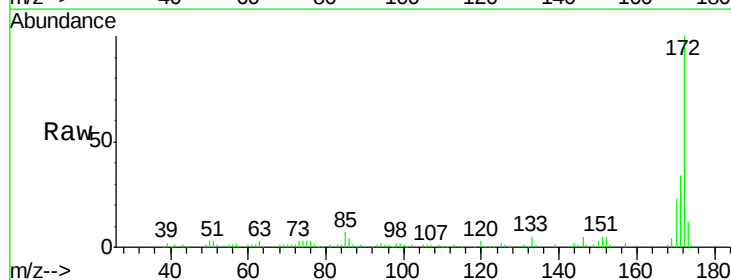


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

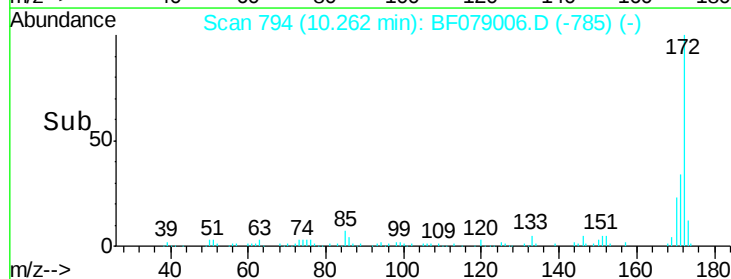
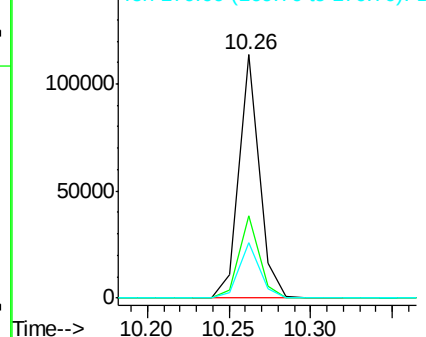


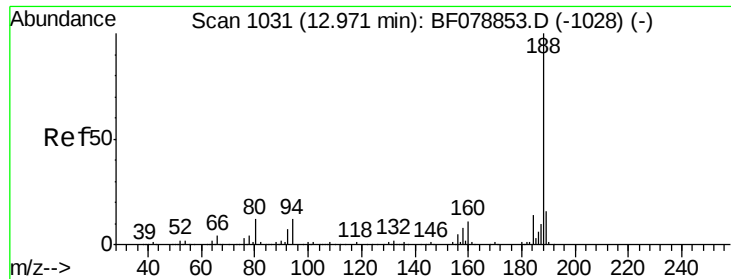
#44
 2-Fluorobiphenyl
 Concen: 10.61 ng
 RT: 10.26 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: BF079006.D
 Acq: 7 May 2015 20:07

Tgt Ion:172 Resp: 98078
 Ion Ratio Lower Upper
 172 100
 171 33.9 27.9 41.9
 170 22.7 19.4 29.0



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

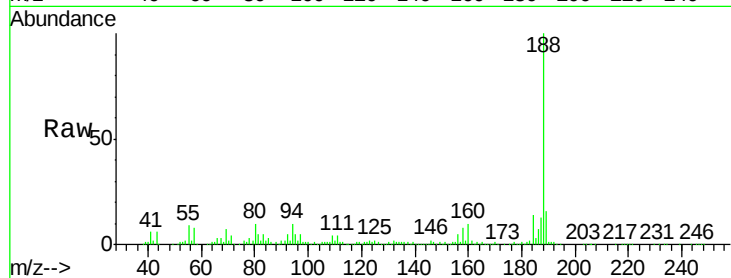




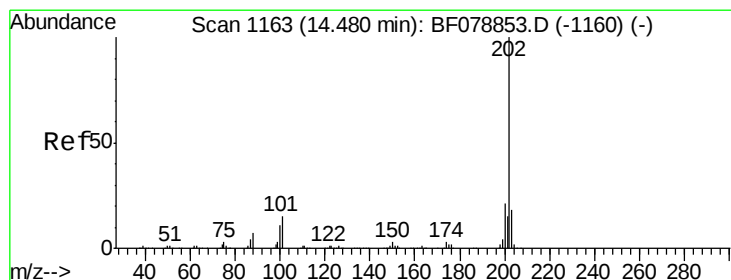
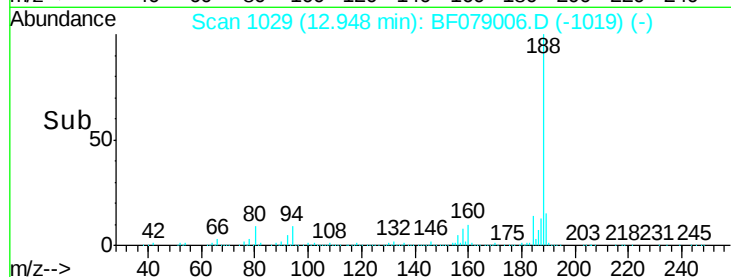
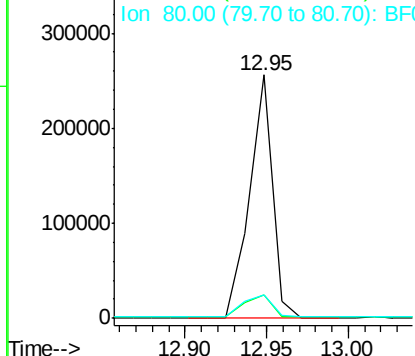
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.95 min Scan# 1029
Delta R.T. 0.01 min
Lab File: BF079006.D
Acq: 7 May 2015 20:07

Instrument :
BNA_F
ClientSampleId :
1

Tgt Ion:188 Resp: 250905
Ion Ratio Lower Upper
188 100
94 9.6 8.2 12.2
80 9.7 8.9 13.3

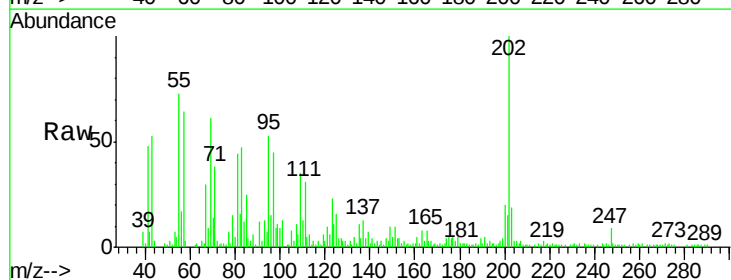


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

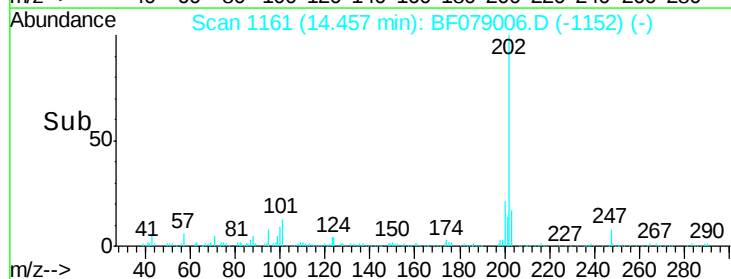
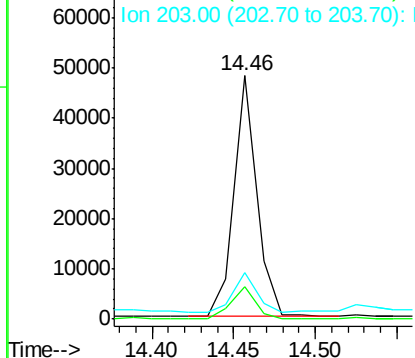


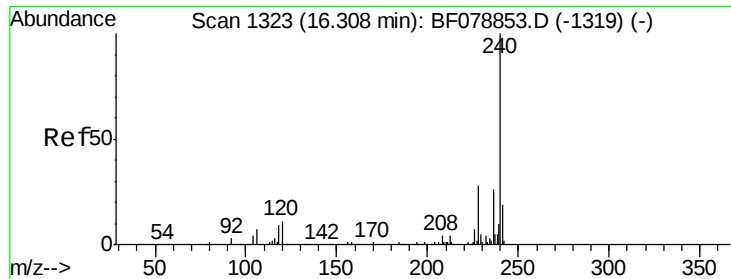
#74
Fluoranthene
Concen: 3.17 ng
RT: 14.46 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF079006.D
Acq: 7 May 2015 20:07

Tgt Ion:202 Resp: 46364
Ion Ratio Lower Upper
202 100
101 13.1 0.0 34.6
203 19.3 0.0 38.4



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

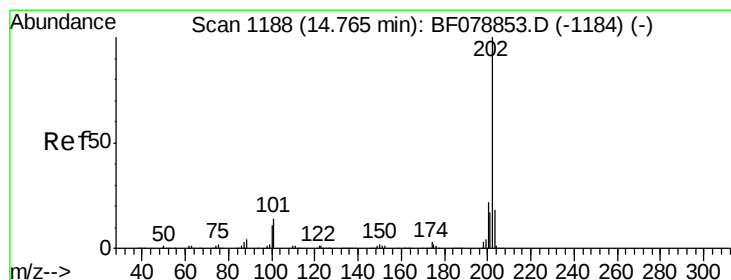
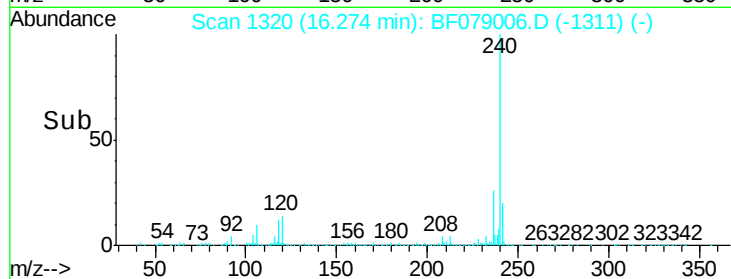
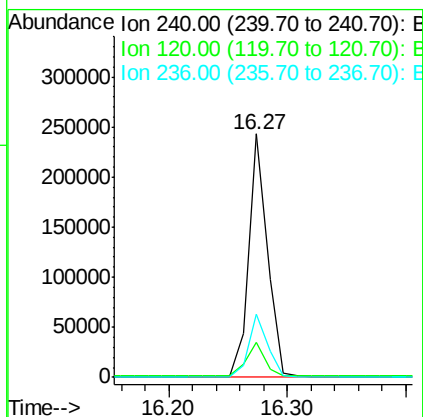
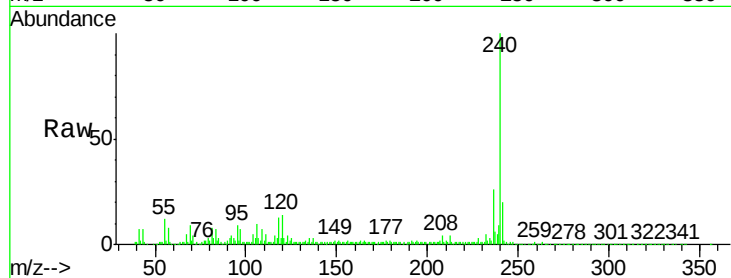




#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.27 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF079006.D
Acq: 7 May 2015 20:07

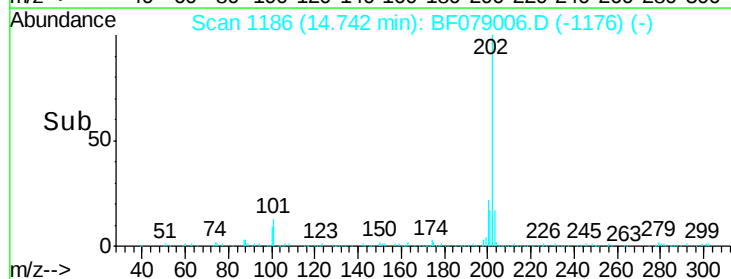
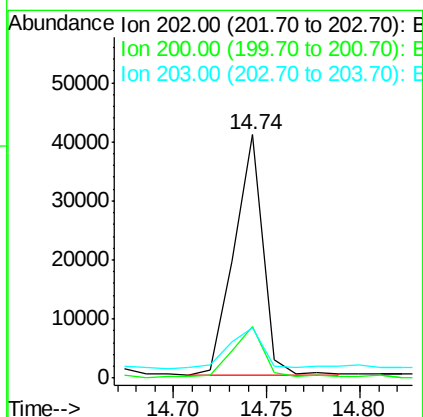
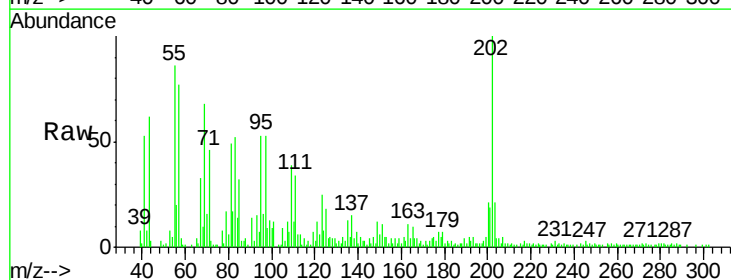
Instrument :
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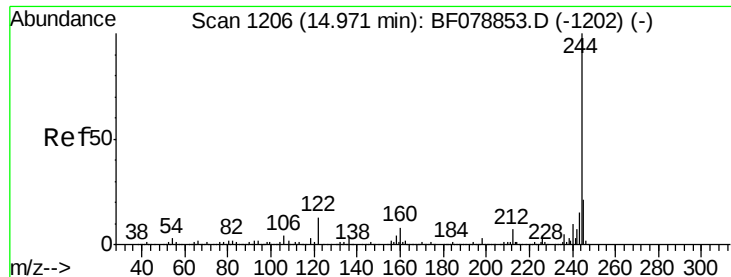
Tgt Ion:240 Resp: 268038
Ion Ratio Lower Upper
240 100
120 14.2 9.7 14.5
236 26.0 20.2 30.4



#77
Pyrene
Concen: 2.83 ng
RT: 14.74 min Scan# 1186
Delta R.T. 0.01 min
Lab File: BF079006.D
Acq: 7 May 2015 20:07

Tgt Ion:202 Resp: 43653
Ion Ratio Lower Upper
202 100
200 21.4 17.5 26.3
203 20.6 13.9 20.9





#78

Terphenyl-d14

Concen: 10.54 ng

RT: 14.95 min Scan# 1204

Delta R.T. 0.01 min

Lab File: BF079006.D

Acq: 7 May 2015 20:07

Instrument :

BNA_F

ClientSampleId :

1

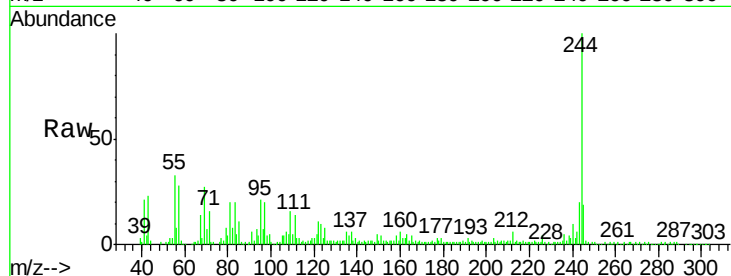
Tgt Ion:244 Resp: 118046

Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

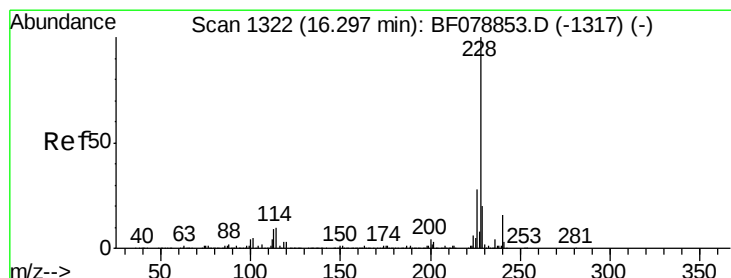
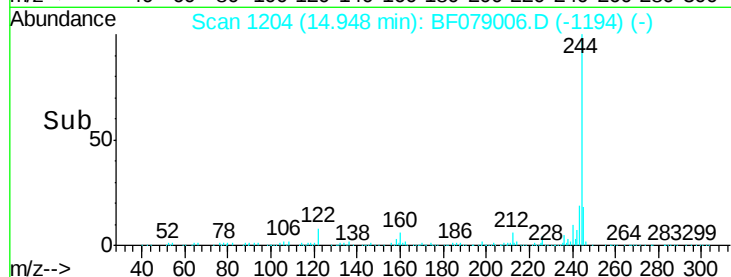
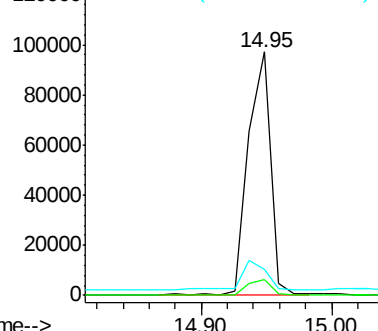
122 10.8 10.3 15.5



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



#80

Benzo(a)anthracene

Concen: 2.15 ng

RT: 16.26 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF079006.D

Acq: 7 May 2015 20:07

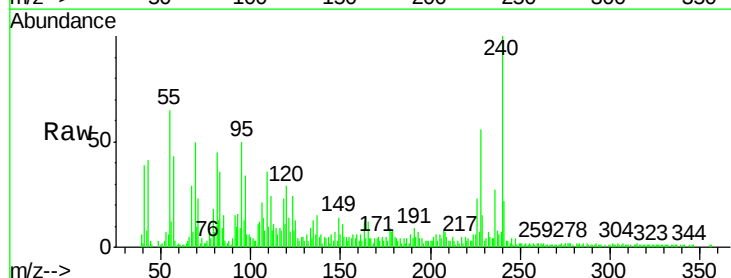
Tgt Ion:228 Resp: 31553

Ion Ratio Lower Upper

228 100

226 40.3 22.6 33.8#

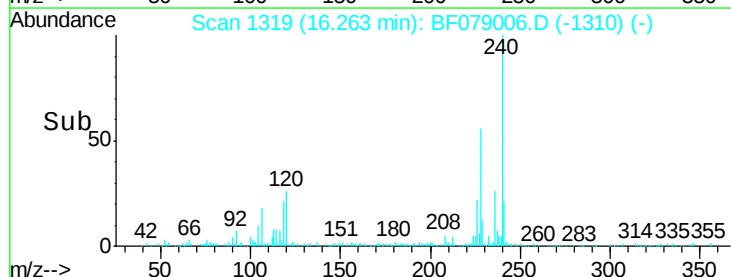
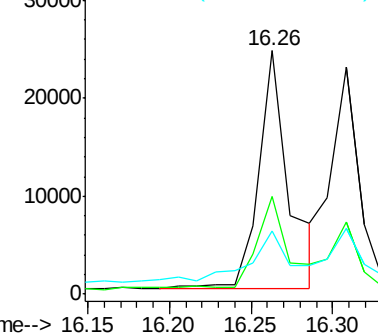
229 25.8 15.9 23.9#

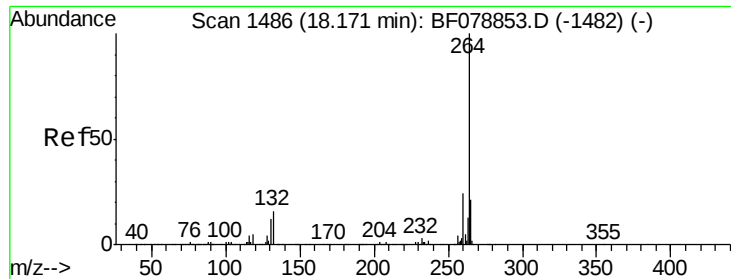


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



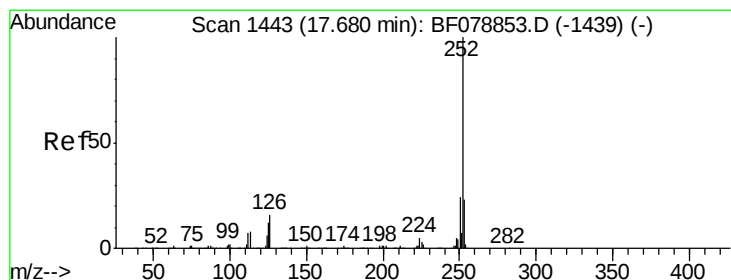
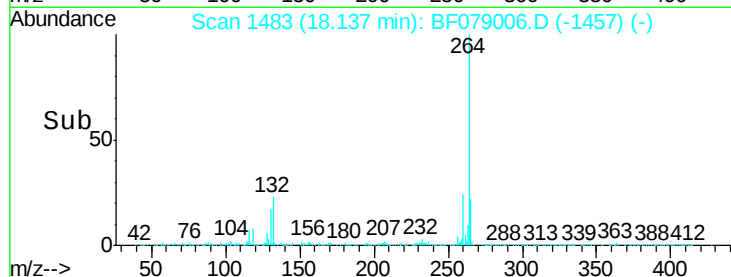
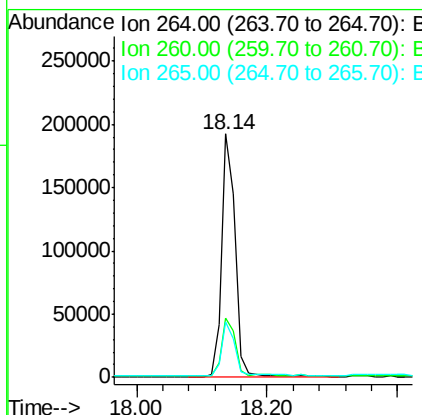
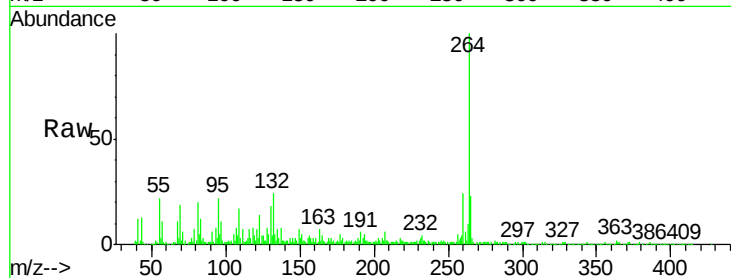


#86
Perylene-d12
Concen: 20.00 ng
RT: 18.14 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BF079006.D
Acq: 7 May 2015 20:07

Instrument :
BNA_F
ClientSampleId :
1

Tgt Ion: 264 Resp: 276777

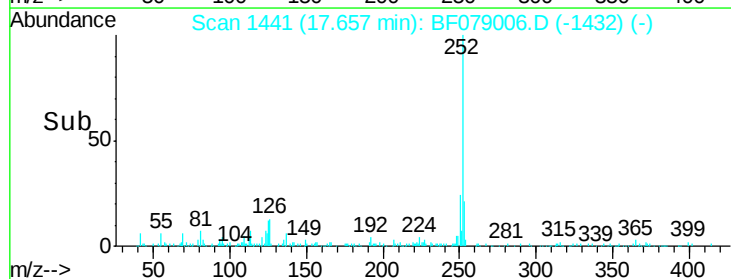
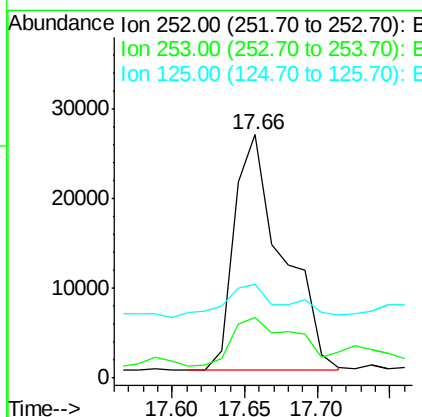
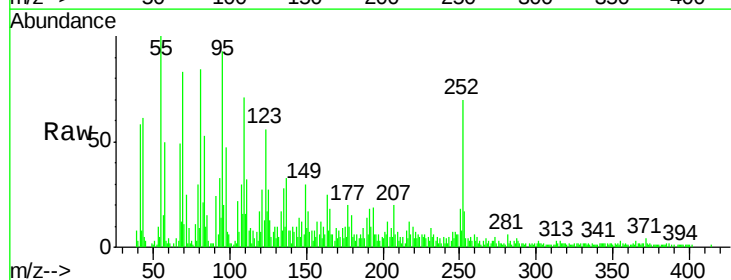
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	22.6	18.3	27.5

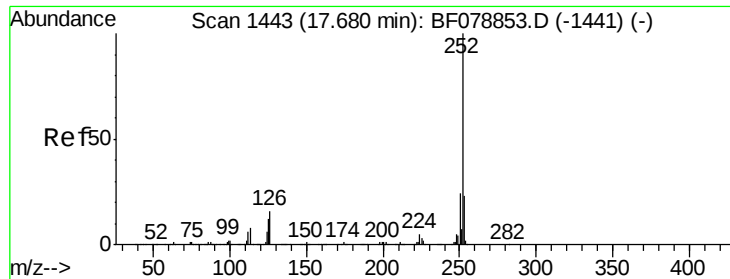


#87
Benzo(b)fluoranthene
Concen: 3.99 ng
RT: 17.66 min Scan# 1441
Delta R.T. 0.00 min
Lab File: BF079006.D
Acq: 7 May 2015 20:07

Tgt Ion: 252 Resp: 60458

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.7	26.5
125	38.6	9.5	14.3#

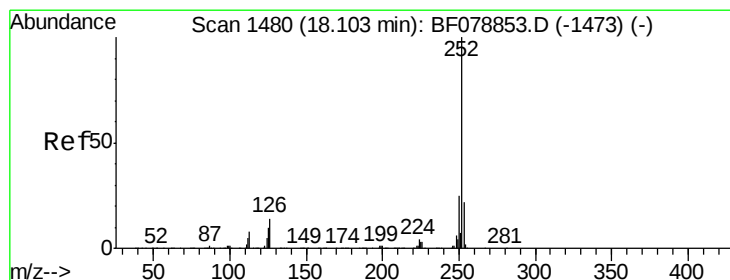
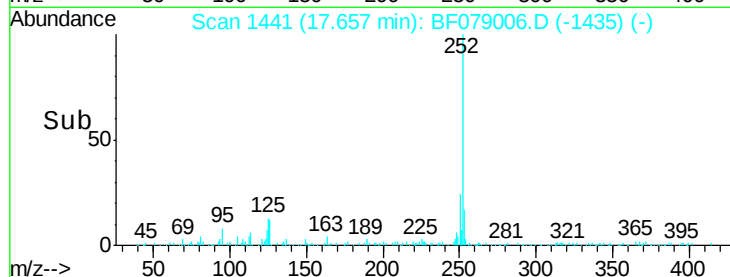
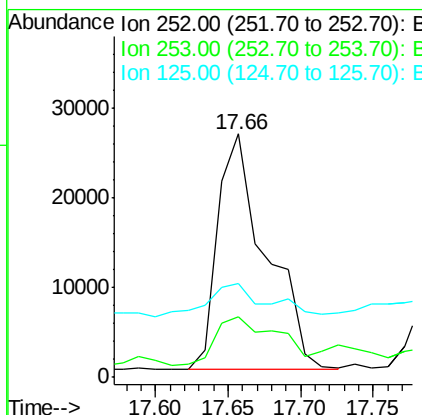
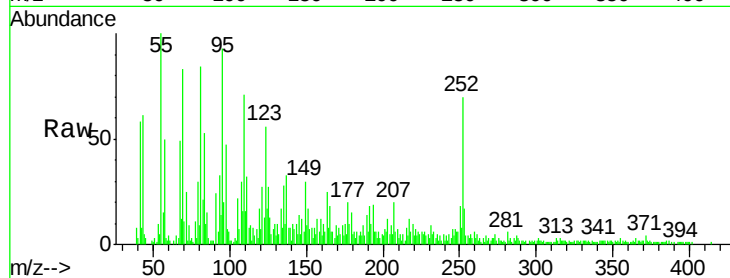




#88
Benzo(k)fluoranthene
Concen: 4.14 ng
RT: 17.66 min Scan# 1441
Delta R.T. -0.03 min
Lab File: BF079006.D
Acq: 7 May 2015 20:07

Instrument :
BNA_F
ClientSampleId :
1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.1	27.1
125	38.6	10.0	15.0#



#89
Benzo(a)pyrene
Concen: 2.09 ng
RT: 18.07 min Scan# 1477
Delta R.T. 0.00 min
Lab File: BF079006.D
Acq: 7 May 2015 20:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.3	25.9#
125	41.3	7.0	10.6#

