

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
 Data File : BF079730.D
 Acq On : 5 Jun 2015 6:39
 Operator : TP/IZ
 Sample : G2450-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SEC-3.2-SP

Quant Time: Jun 06 03:35:25 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 06 03:31:13 2015
 Response via : Initial Calibration

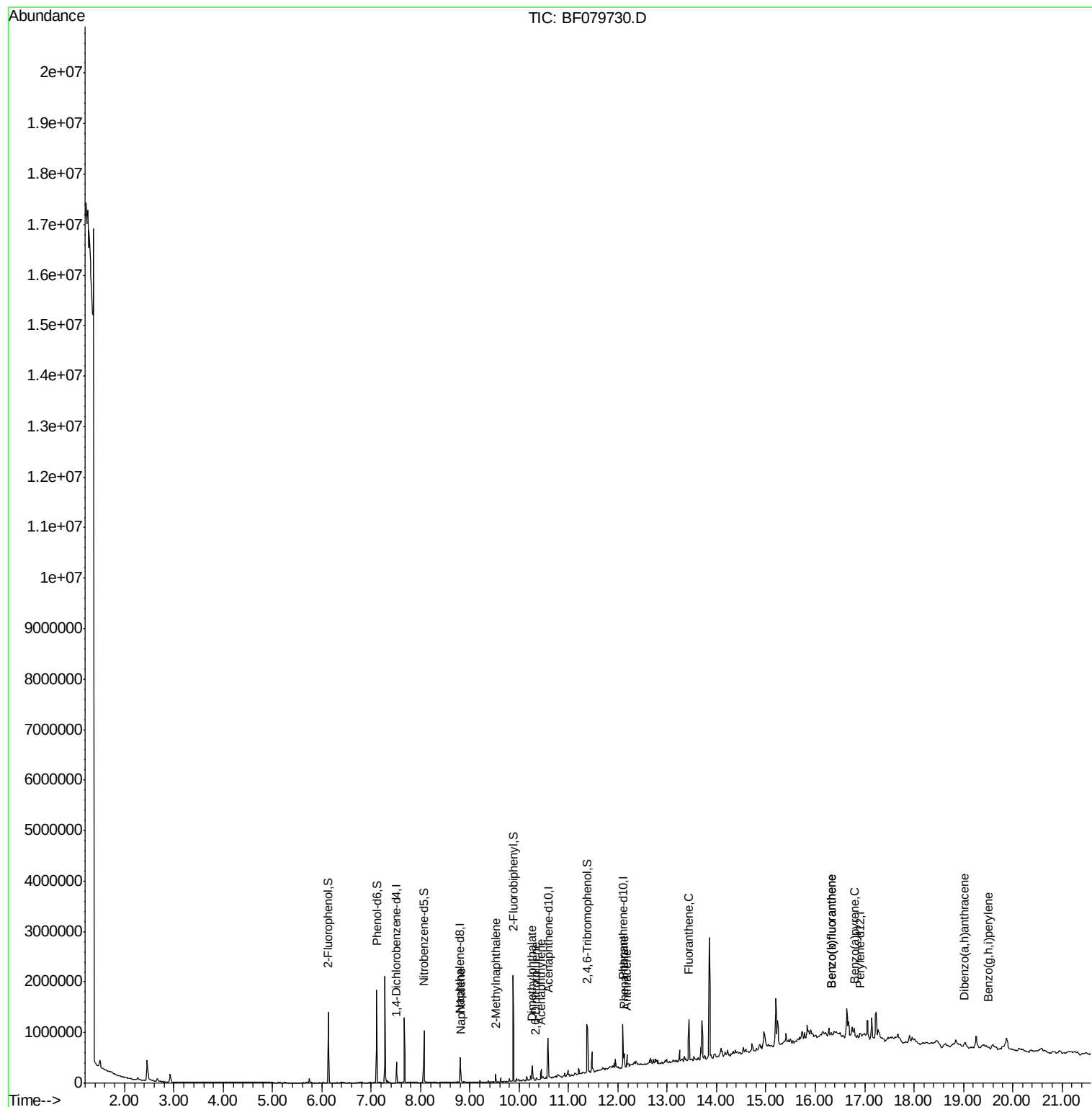
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	67347	20.00	ng	0.00
21) Naphthalene-d8	8.80	136	271844	20.00	ng	0.00
38) Acenaphthene-d10	10.58	164	152894	20.00	ng	0.00
63) Phenanthrene-d10	12.10	188	302534	20.00	ng	0.02
75) Chrysene-d12	0.00	240	0	0.00	ng	-14.98
86) Perylene-d12	16.90	264	478	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.12	112	437121	111.29	ng	0.00
7) Phenol-d6	7.11	99	631044	123.42	ng	0.01
23) Nitrobenzene-d5	8.07	82	320872	71.87	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	163516	119.09	ng	0.01
44) 2-Fluorobiphenyl	9.87	172	750079	71.03	ng	0.00
78) Terphenyl-d14	13.85	244	978704	0.00	ng	0.11
Target Compounds						Qvalue
31) Naphthalene	8.82	128	34066	2.27	ng	98
37) 2-Methylnaphthalene	9.52	142	40404	4.00	ng	97
48) Acenaphthylene	10.44	152	95215	5.57	ng	99
49) Dimethylphthalate	10.26	163	65704	5.58	ng	99
50) 2,6-Dinitrotoluene	10.33	165	1639	3.74	ng	# 23
70) Phenanthrene	12.12	178	116130	6.60	ng	98
71) Anthracene	12.18	178	102540	5.89	ng	98
74) Fluoranthene	13.44	202	397801	20.84	ng	97
87) Benzo(b)fluoranthene	16.32	252	2763	89.61	ng	# 1
88) Benzo(k)fluoranthene	16.32	252	2763	93.91	ng	# 1
89) Benzo(a)pyrene	16.79	252	88547	3143.27	ng	# 84
90) Dibenzo(a,h)anthracene	19.02	278	50666	1946.89	ng	# 76
91) Benzo(g,h,i)perylene	19.51	276	9386	352.73	ng	# 28

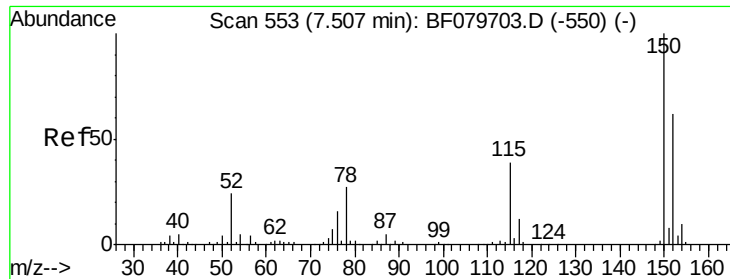
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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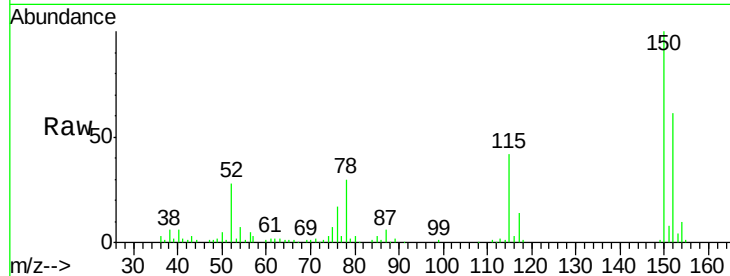




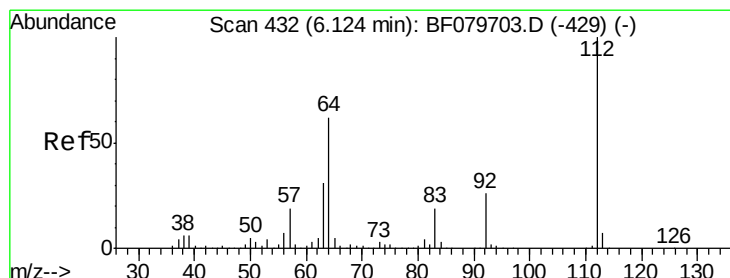
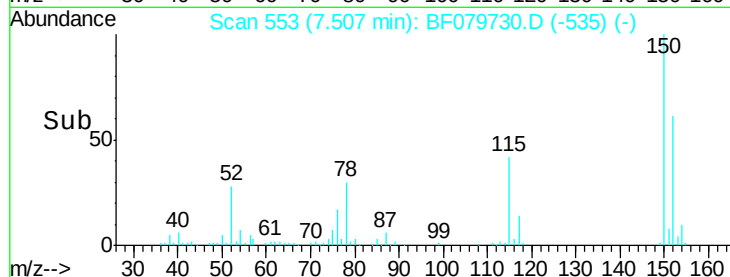
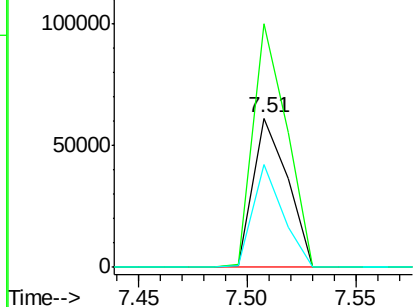
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.51 min Scan# 553
 Delta R.T. 0.00 min
 Lab File: BF079730.D
 Acq: 5 Jun 2015 6:39

Instrument :
 BNA_F
 ClientSampleId :
 SEC-3.2-SP

Tgt Ion:152 Resp: 67347
 Ion Ratio Lower Upper
 152 100
 150 163.2 128.1 192.1
 115 69.0 49.7 74.5

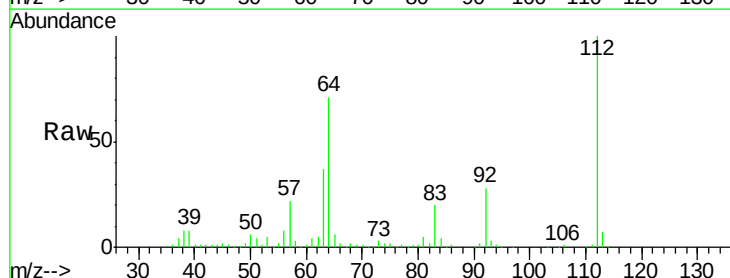


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

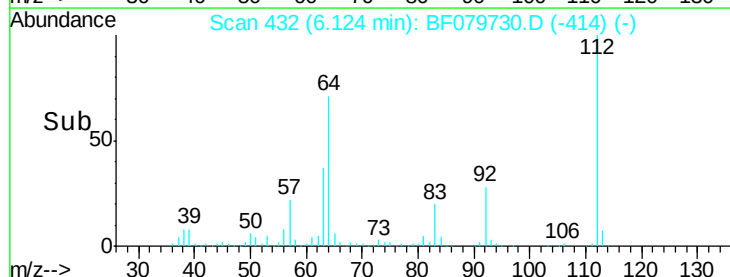
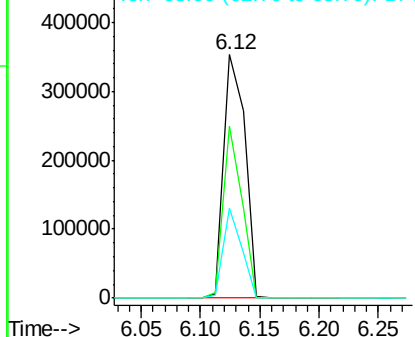


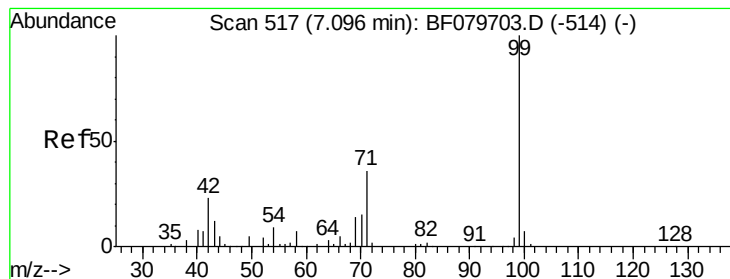
#5
 2-Fluorophenol
 Concen: 111.29 ng
 RT: 6.12 min Scan# 432
 Delta R.T. 0.00 min
 Lab File: BF079730.D
 Acq: 5 Jun 2015 6:39

Tgt Ion:112 Resp: 437121
 Ion Ratio Lower Upper
 112 100
 64 70.9 49.6 74.4
 63 36.9 24.9 37.3



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: 123.42 ng

RT: 7.11 min Scan# 518

Delta R.T. 0.01 min

Lab File: BF079730.D

Acq: 5 Jun 2015 6:39

Instrument :

BNA_F

ClientSampleId :

SEC-3.2-SP

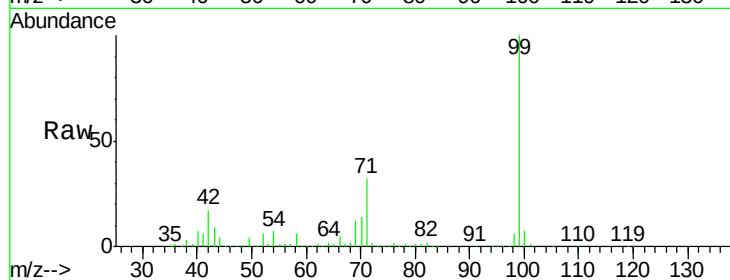
Tgt Ion: 99 Resp: 631044

Ion Ratio Lower Upper

99 100

42 16.8 18.0 27.0#

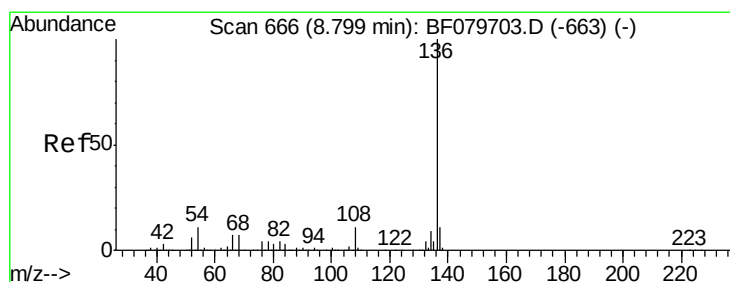
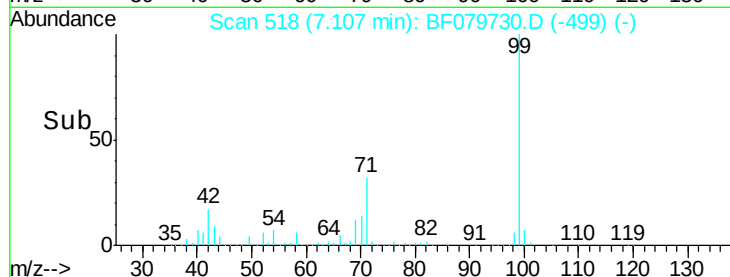
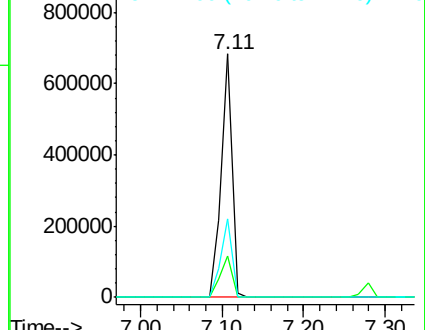
71 32.0 28.4 42.6



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: 8.80 min Scan# 666

Delta R.T. 0.00 min

Lab File: BF079730.D

Acq: 5 Jun 2015 6:39

Tgt Ion: 136 Resp: 271844

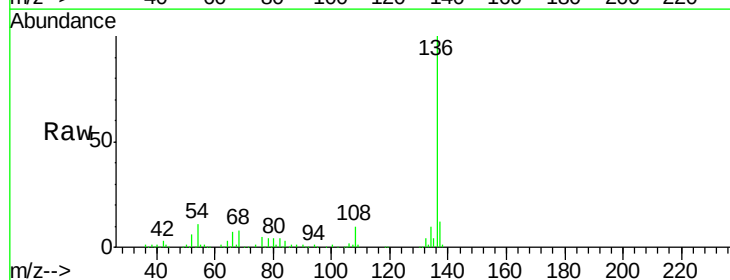
Ion Ratio Lower Upper

136 100

137 11.5 8.8 13.2

54 11.4 8.7 13.1

68 7.6 5.8 8.8

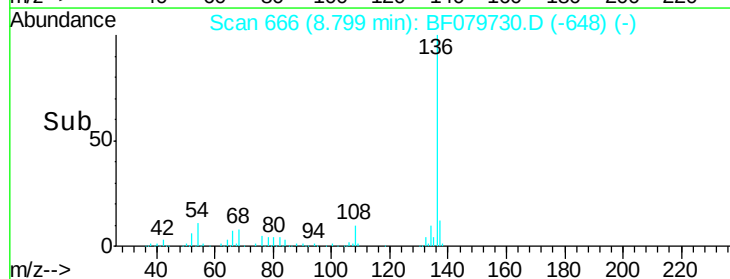
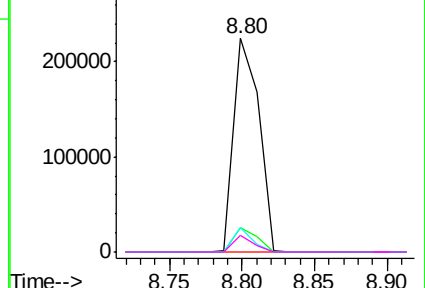


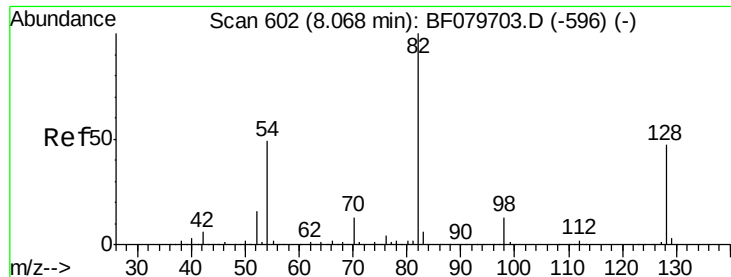
Abundance Ion 136.00 (135.70 to 136.70): E

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

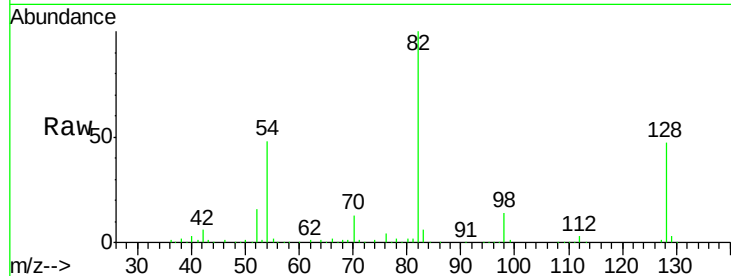




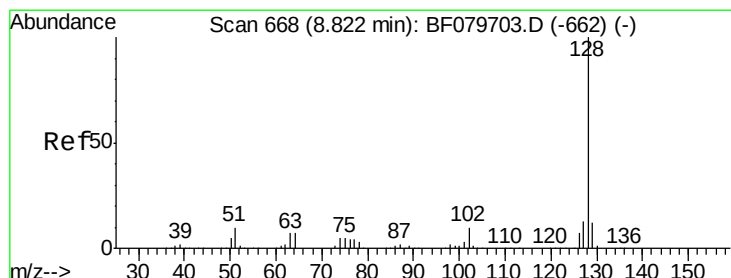
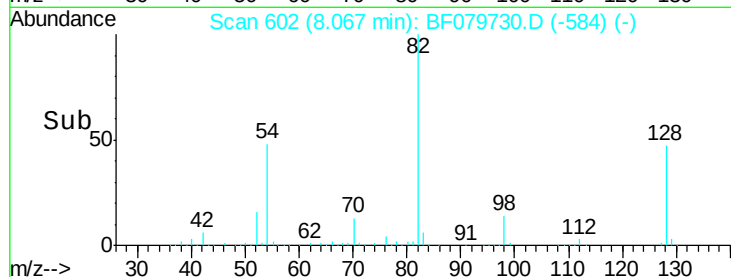
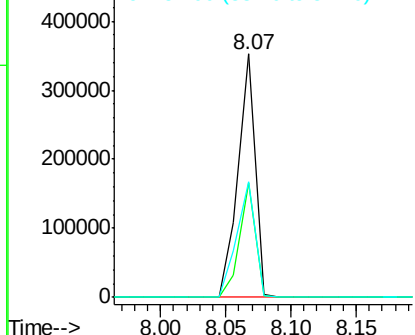
#23
 Nitrobenzene-d5
 Concen: 71.87 ng
 RT: 8.07 min Scan# 602
 Delta R.T. 0.00 min
 Lab File: BF079730.D
 Acq: 5 Jun 2015 6:39

Instrument :
 BNA_F
 ClientSampleId :
 SEC-3.2-SP

Tgt Ion: 82 Resp: 320872
 Ion Ratio Lower Upper
 82 100
 128 46.7 37.6 56.4
 54 47.5 39.4 59.2

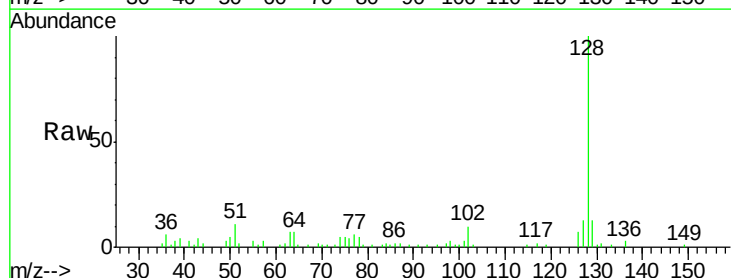


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

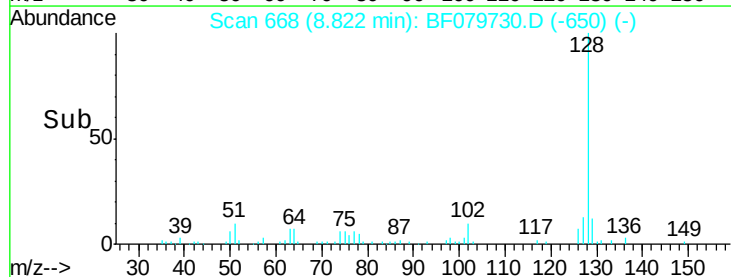
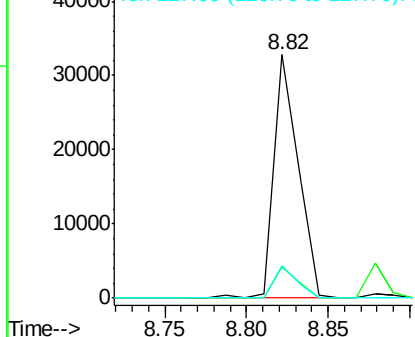


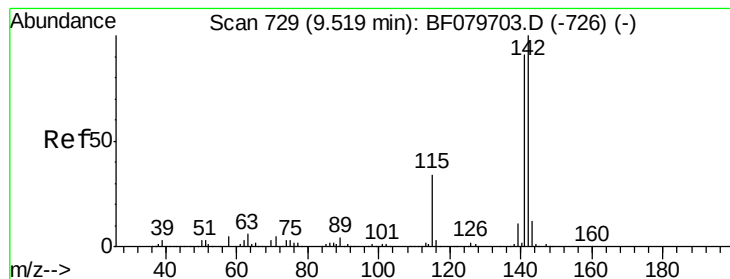
#31
 Naphthalene
 Concen: 2.27 ng
 RT: 8.82 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: BF079730.D
 Acq: 5 Jun 2015 6:39

Tgt Ion: 128 Resp: 34066
 Ion Ratio Lower Upper
 128 100
 129 12.9 9.4 14.2
 127 13.2 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 4.00 ng

RT: 9.52 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF079730.D

Acq: 5 Jun 2015 6:39

Instrument :

BNA_F

ClientSampleId :

SEC-3.2-SP

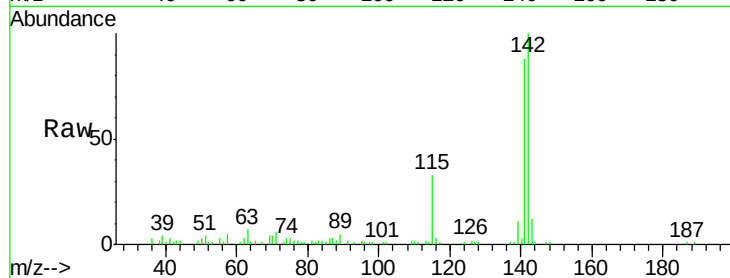
Tgt Ion:142 Resp: 40404

Ion Ratio Lower Upper

142 100

141 87.6 72.8 109.2

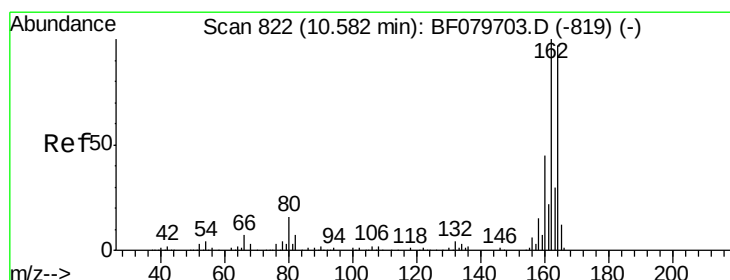
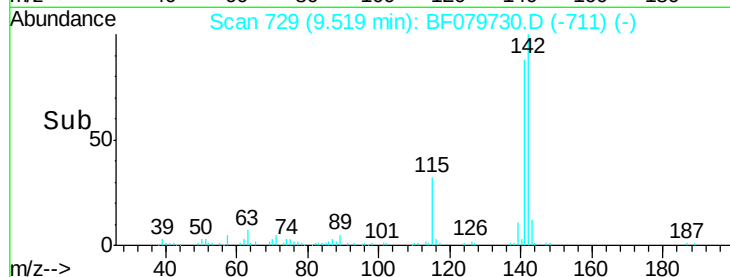
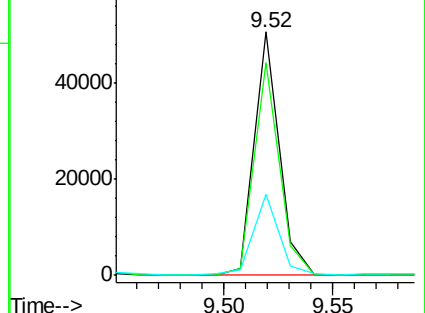
115 33.3 26.9 40.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.58 min Scan# 822

Delta R.T. 0.00 min

Lab File: BF079730.D

Acq: 5 Jun 2015 6:39

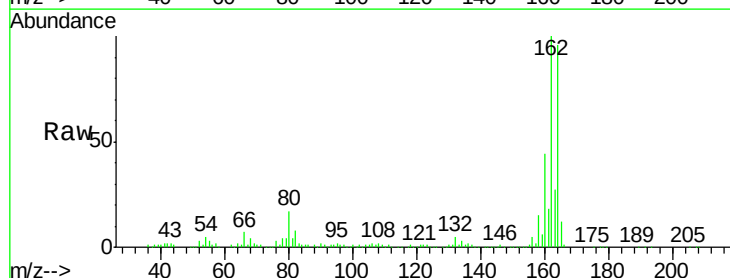
Tgt Ion:164 Resp: 152894

Ion Ratio Lower Upper

164 100

162 104.2 82.6 123.8

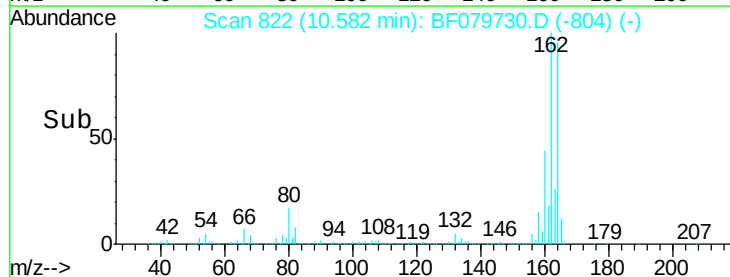
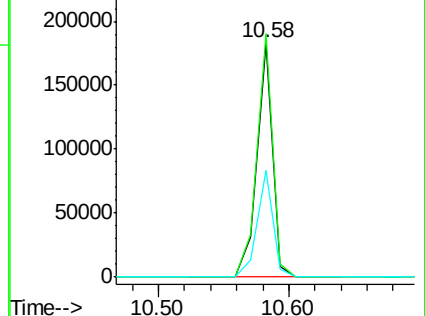
160 45.6 36.8 55.2

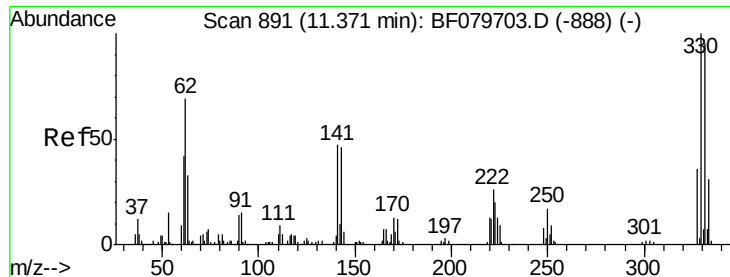


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

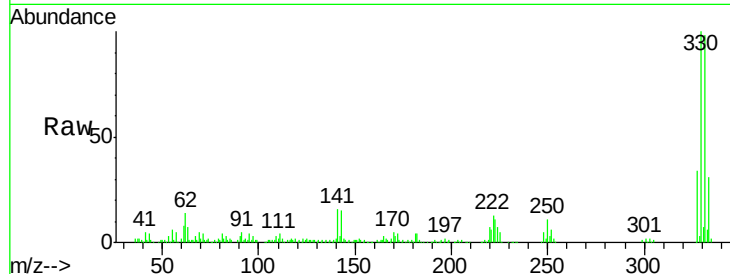




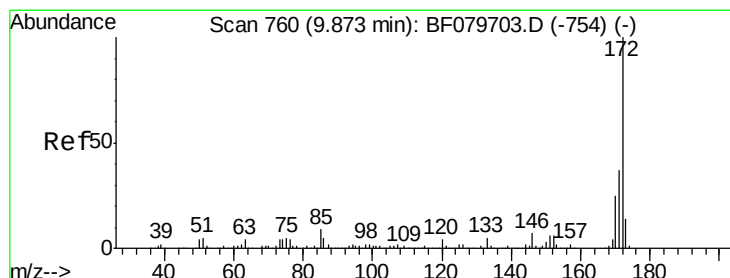
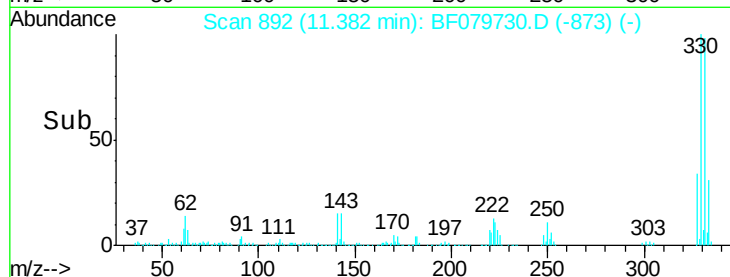
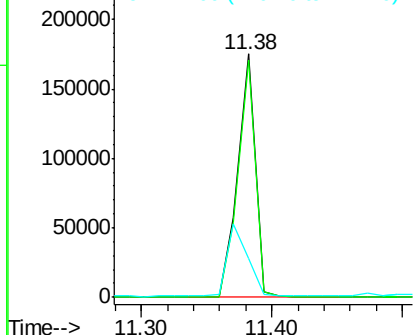
#41
 2,4,6-Tribromophenol
 Concen: 119.09 ng
 RT: 11.38 min Scan# 892
 Delta R.T. 0.01 min
 Lab File: BF079730.D
 Acq: 5 Jun 2015 6:39

Instrument :
 BNA_F
 ClientSampleId :
 SEC-3.2-SP

Tgt Ion:330 Resp: 163516
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.4 116.0
 141 36.3 30.2 45.2

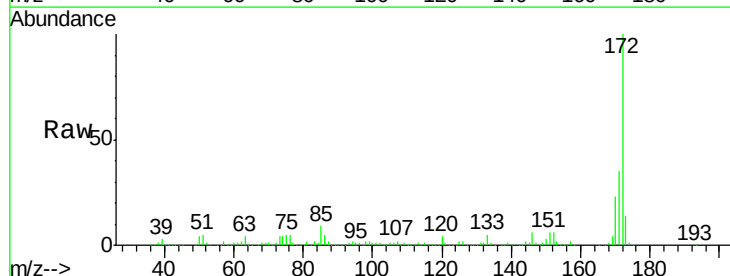


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

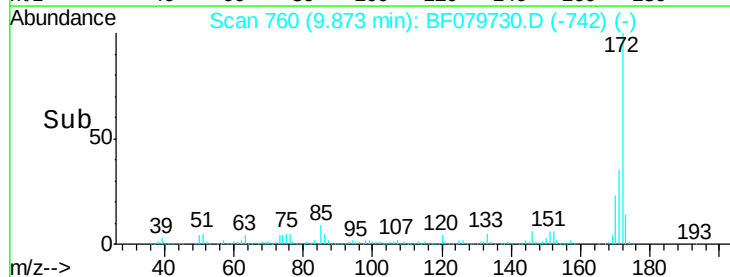
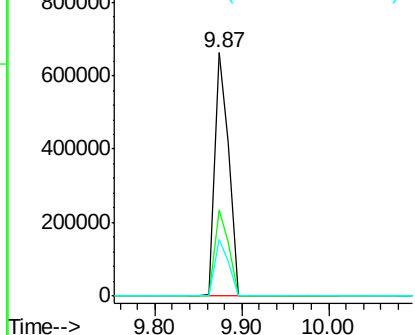


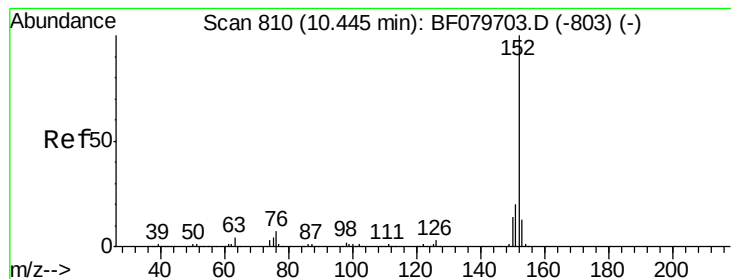
#44
 2-Fluorobiphenyl
 Concen: 71.03 ng
 RT: 9.87 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: BF079730.D
 Acq: 5 Jun 2015 6:39

Tgt Ion:172 Resp: 750079
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.4 44.0
 170 23.4 19.7 29.5



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





#48

Acenaphthylene

Concen: 5.57 ng

RT: 10.44 min Scan# 810

Delta R.T. 0.01 min

Lab File: BF079730.D

Acq: 5 Jun 2015 6:39

Instrument :

BNA_F

ClientSampleId :

SEC-3.2-SP

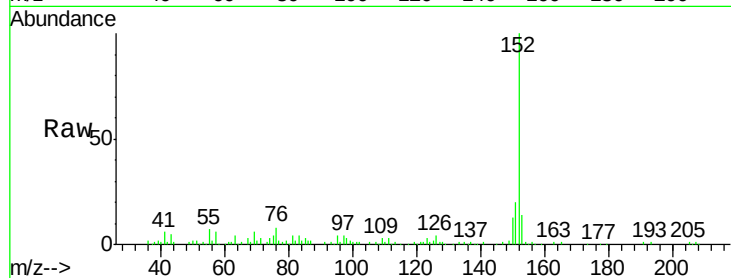
Tgt Ion:152 Resp: 95215

Ion Ratio Lower Upper

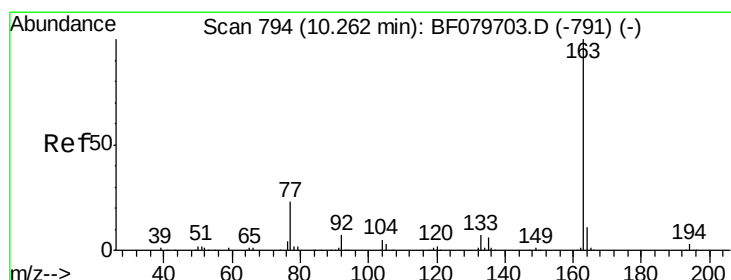
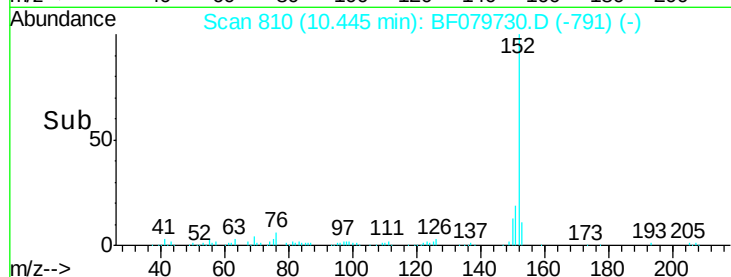
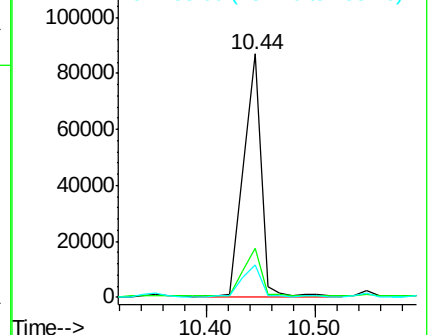
152 100

151 20.0 16.2 24.4

153 13.5 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 5.58 ng

RT: 10.26 min Scan# 794

Delta R.T. 0.00 min

Lab File: BF079730.D

Acq: 5 Jun 2015 6:39

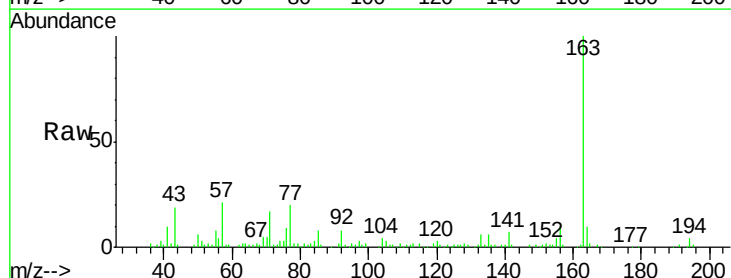
Tgt Ion:163 Resp: 65704

Ion Ratio Lower Upper

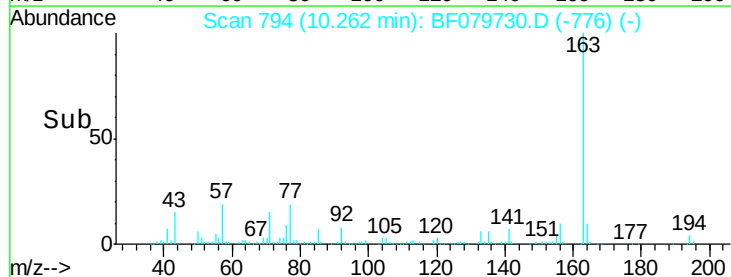
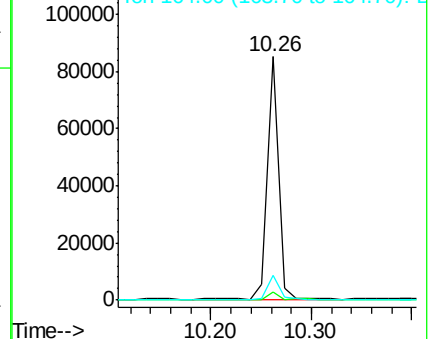
163 100

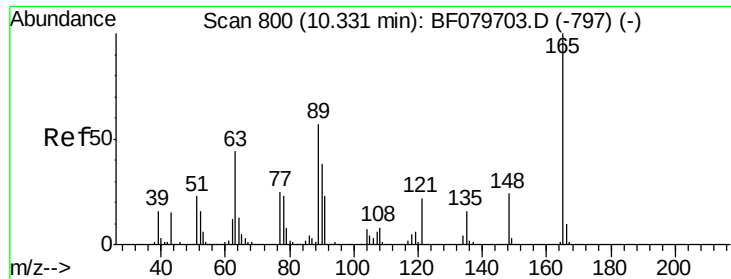
194 3.6 2.6 3.8

164 10.1 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

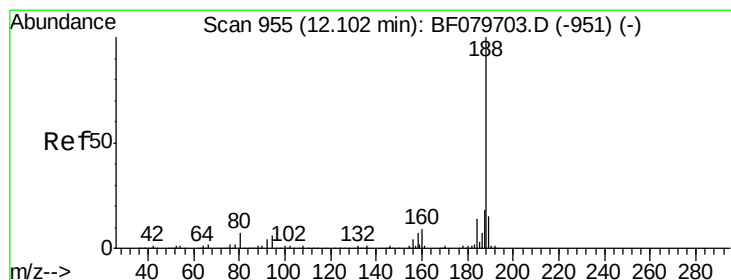
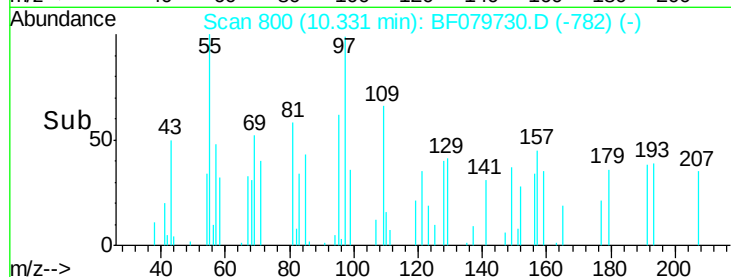
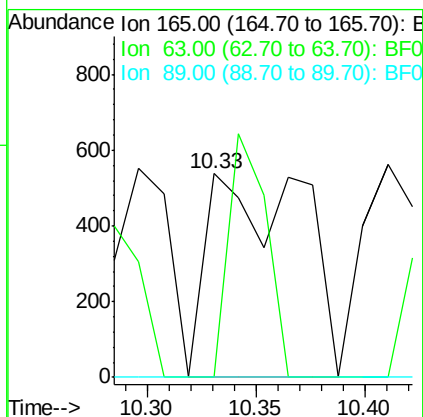
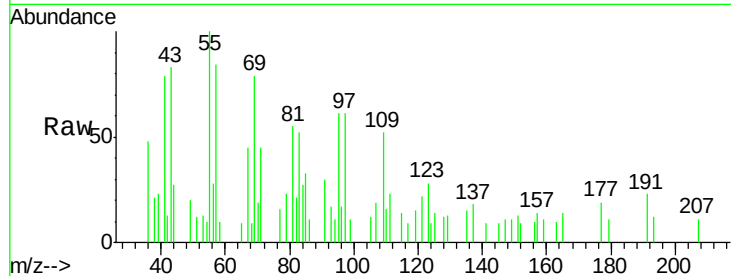




#50
 2,6-Dinitrotoluene
 Concen: 3.74 ng
 RT: 10.33 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF079730.D
 Acq: 5 Jun 2015 6:39

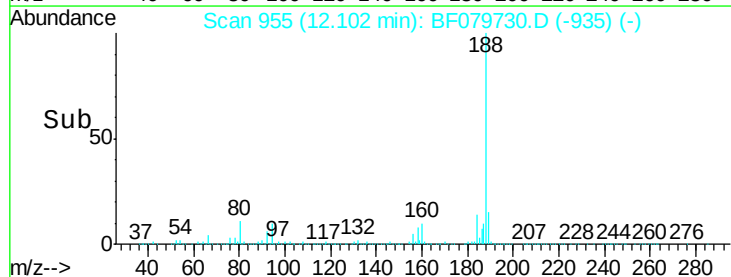
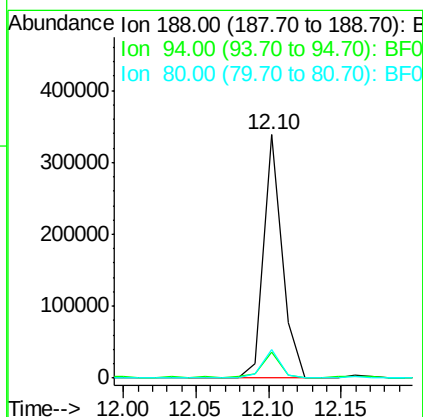
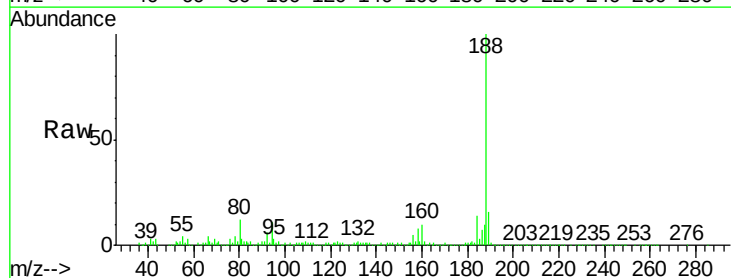
Instrument :
 BNA_F
 ClientSampleId :
 SEC-3.2-SP

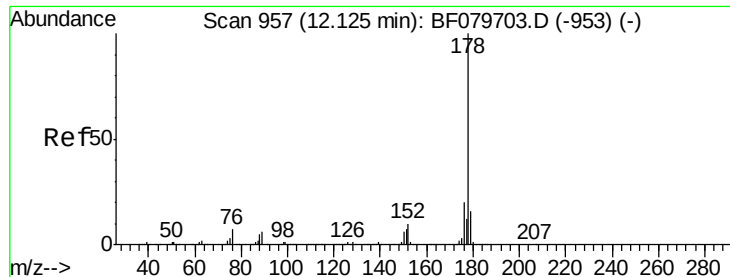
Tgt Ion:165 Resp: 1639
 Ion Ratio Lower Upper
 165 100
 63 0.0 45.2 67.8#
 89 0.0 45.9 68.9#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.10 min Scan# 955
 Delta R.T. 0.02 min
 Lab File: BF079730.D
 Acq: 5 Jun 2015 6:39

Tgt Ion:188 Resp: 302534
 Ion Ratio Lower Upper
 188 100
 94 10.5 5.0 7.4#
 80 11.7 5.3 7.9#

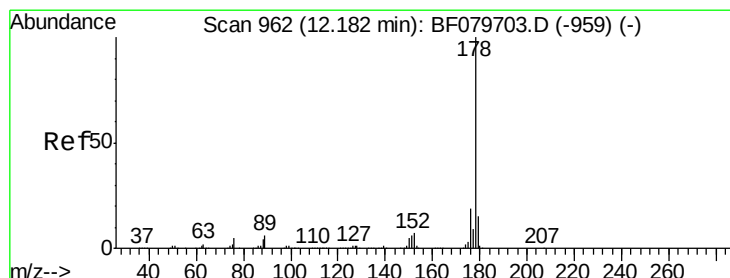
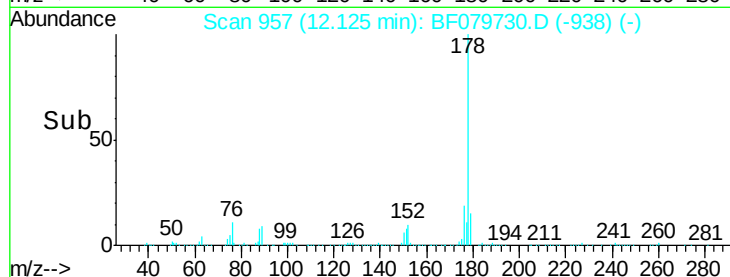
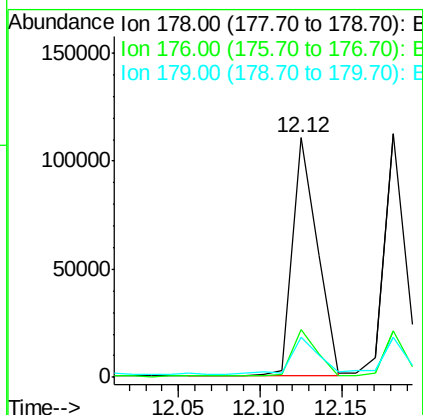
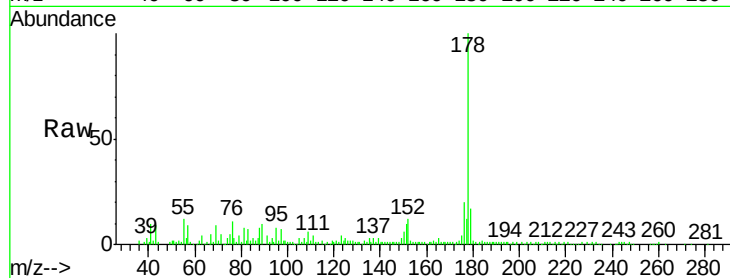




#70
Phenanthrene
Concen: 6.60 ng
RT: 12.12 min Scan# 957
Delta R.T. 0.01 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

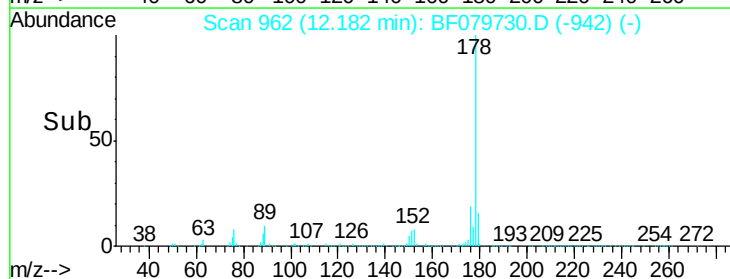
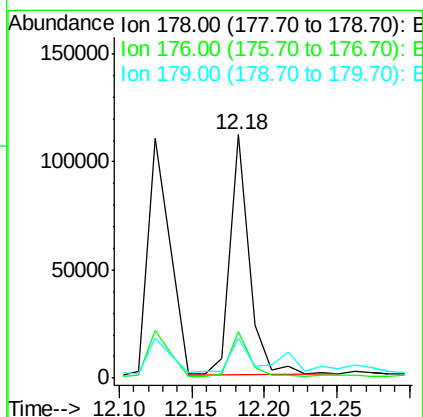
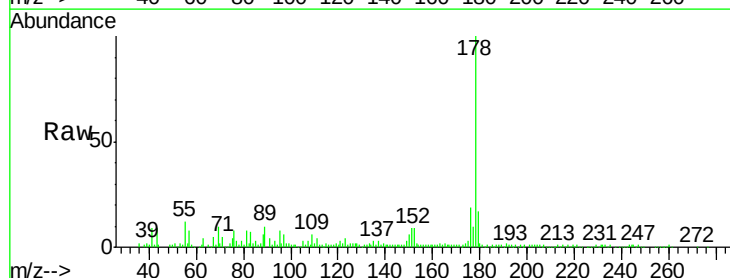
Instrument :
BNA_F
ClientSampleId :
SEC-3.2-SP

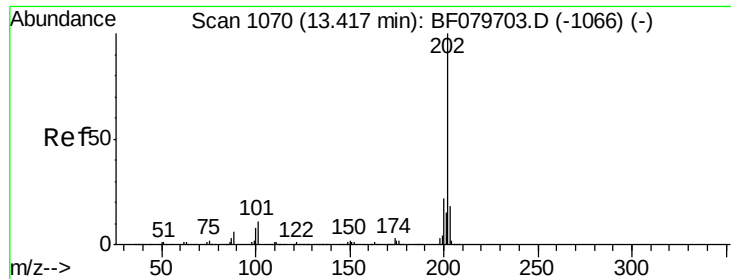
Tgt Ion:178 Resp: 116130
Ion Ratio Lower Upper
178 100
176 19.7 16.2 24.4
179 16.9 12.6 19.0



#71
Anthracene
Concen: 5.89 ng
RT: 12.18 min Scan# 962
Delta R.T. 0.02 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Tgt Ion:178 Resp: 102540
Ion Ratio Lower Upper
178 100
176 19.0 14.8 22.2
179 16.6 12.2 18.2





#74

Fluoranthene

Concen: 20.84 ng

RT: 13.44 min Scan# 1072

Delta R.T. 0.09 min

Lab File: BF079730.D

Acq: 5 Jun 2015 6:39

Instrument :

BNA_F

ClientSampleId :

SEC-3.2-SP

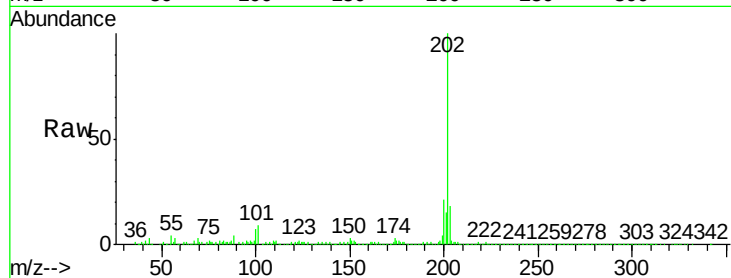
Tgt Ion: 202 Resp: 397801

Ion Ratio Lower Upper

202 100

101 8.6 0.0 31.3

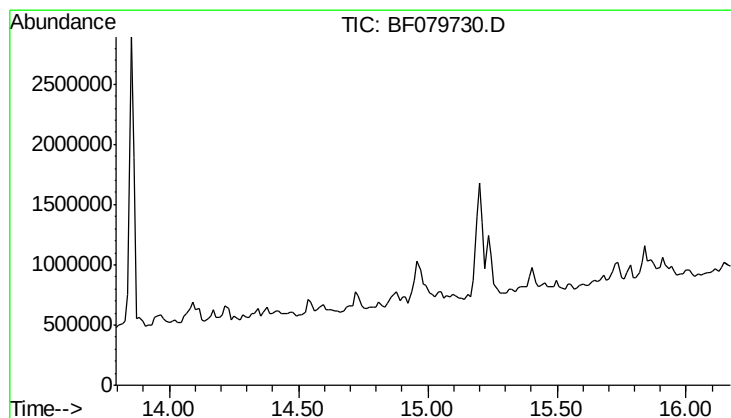
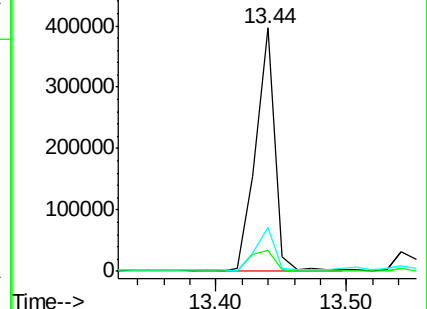
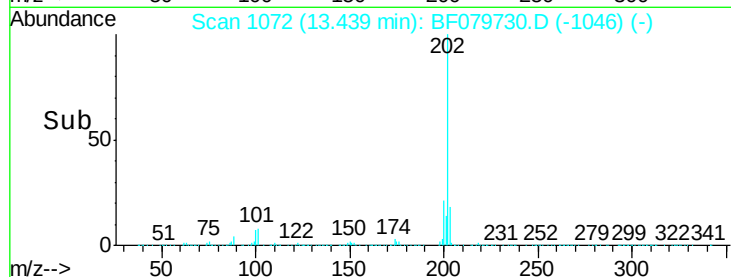
203 18.0 0.0 38.4



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: 0.00 ng

Expected RT: 14.98 min

Lab File: BF079730.D

Acq: 5 Jun 2015 6:39

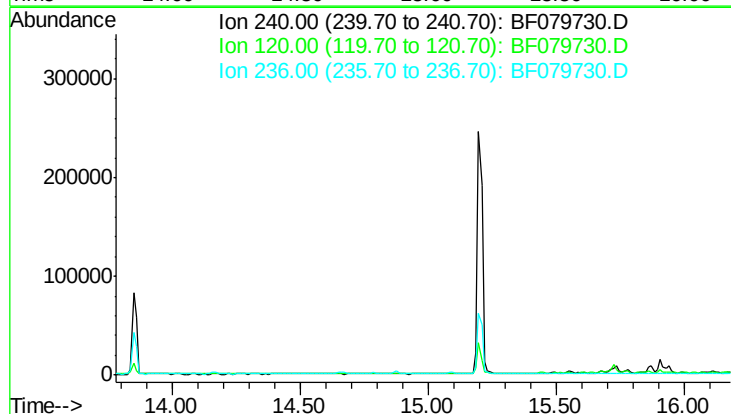
Tgt Ion: 240

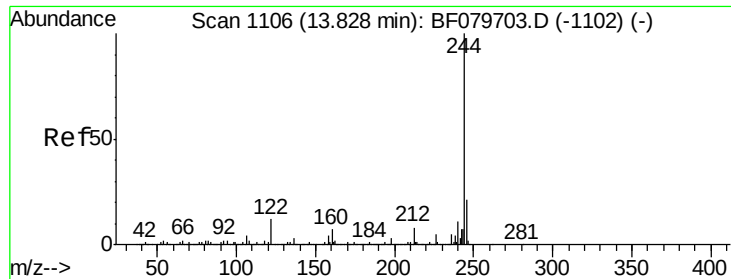
Sig Exp Ratio

240 100

120 7.7

236 26.2

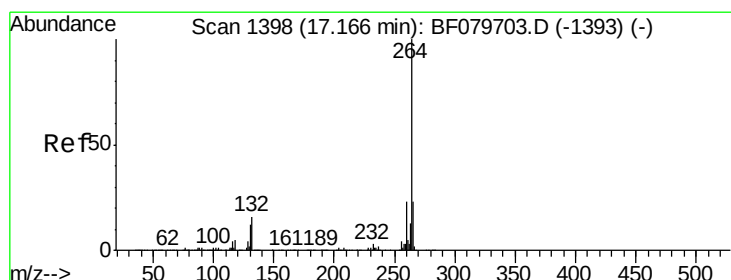
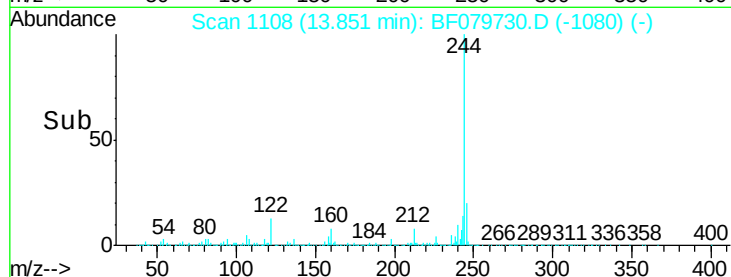
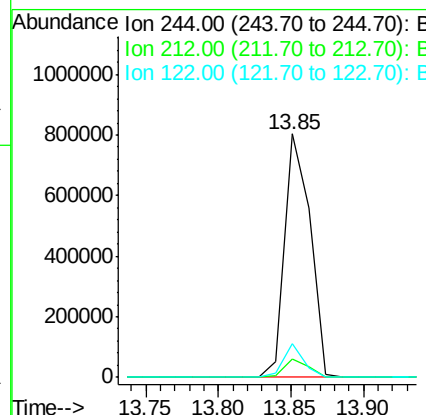
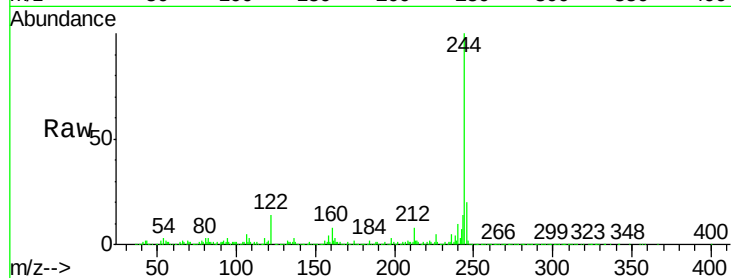




#78
 Terphenyl-d14
 Concen: 0.00 ng
 RT: 13.85 min Scan# 1108
 Delta R.T. 0.11 min
 Lab File: BF079730.D
 Acq: 5 Jun 2015 6:39

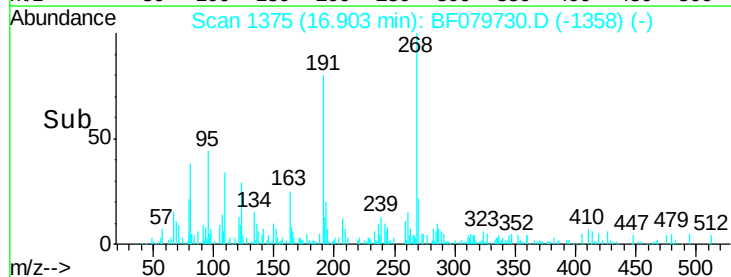
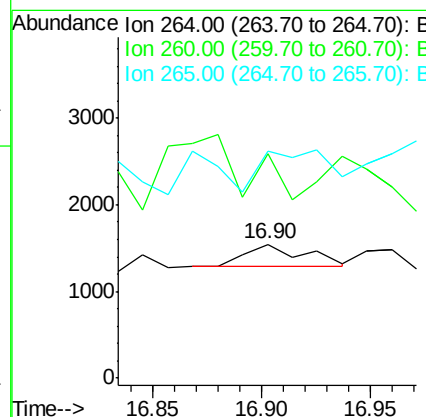
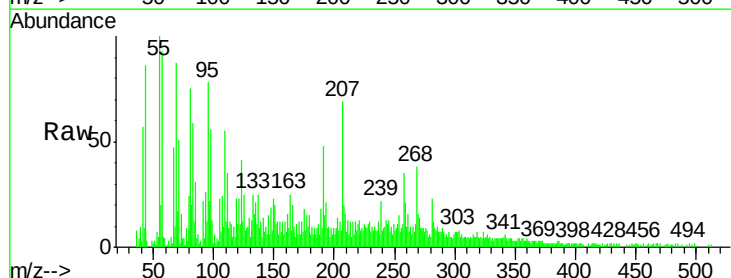
Instrument :
 BNA_F
 ClientSampleId :
 SEC-3.2-SP

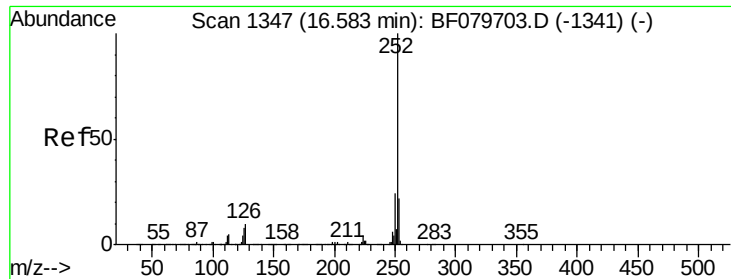
Tgt Ion:244 Resp: 978704
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.1 9.1
 122 13.6 9.3 13.9



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.90 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: BF079730.D
 Acq: 5 Jun 2015 6:39

Tgt Ion:264 Resp: 478
 Ion Ratio Lower Upper
 264 100
 260 167.5 18.6 27.8#
 265 169.4 18.2 27.4#





#87

Benzo(b)fluoranthene

Concen: 89.61 ng

RT: 16.32 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF079730.D

Acq: 5 Jun 2015 6:39

Instrument :

BNA_F

ClientSampleId :

SEC-3.2-SP

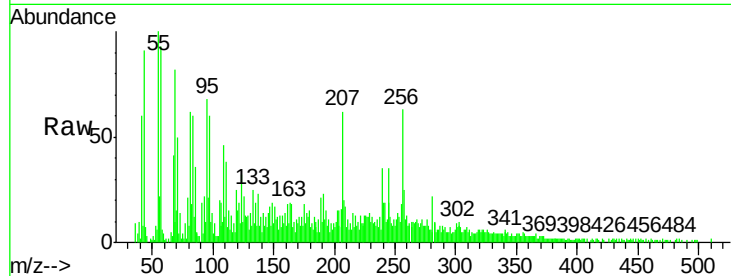
Tgt Ion: 252 Resp: 2763

Ion Ratio Lower Upper

252 100

253 88.0 17.4 26.2#

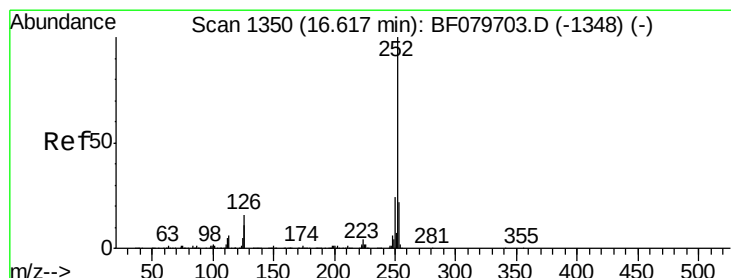
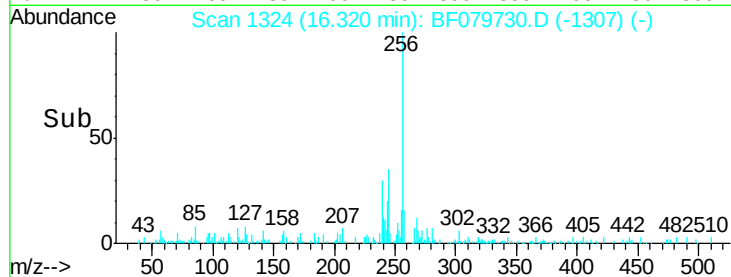
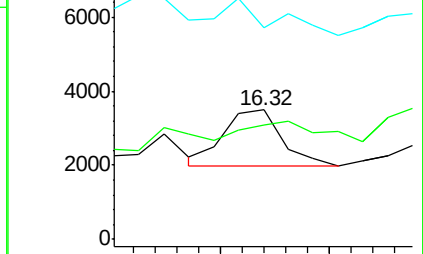
125 163.0 6.5 9.7#



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



#88

Benzo(k)fluoranthene

Concen: 93.91 ng

RT: 16.32 min Scan# 1324

Delta R.T. -0.06 min

Lab File: BF079730.D

Acq: 5 Jun 2015 6:39

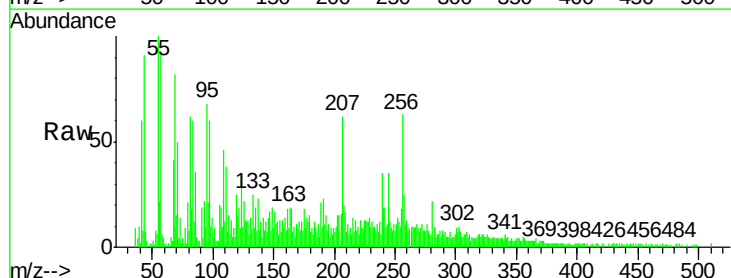
Tgt Ion: 252 Resp: 2763

Ion Ratio Lower Upper

252 100

253 88.0 17.8 26.8#

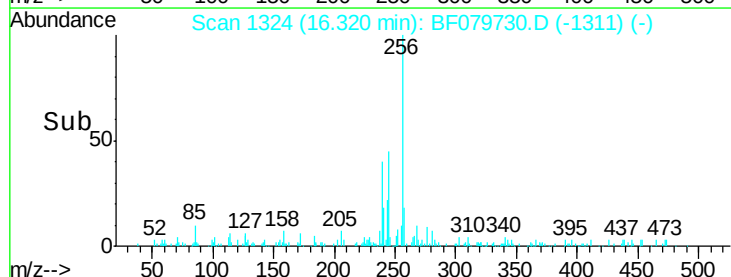
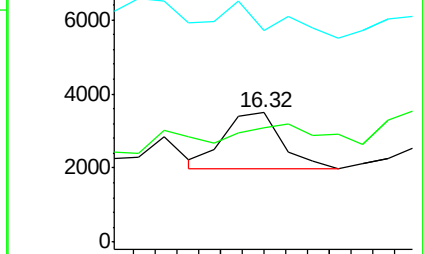
125 163.0 8.4 12.6#

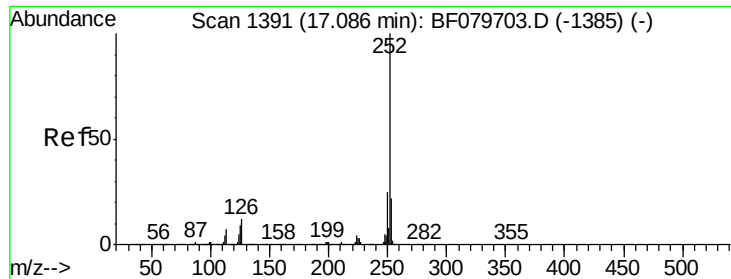


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3143.27 ng

RT: 16.79 min Scan# 1365

Delta R.T. -0.05 min

Lab File: BF079730.D

Acq: 5 Jun 2015 6:39

Instrument :

BNA_F

ClientSampleId :

SEC-3.2-SP

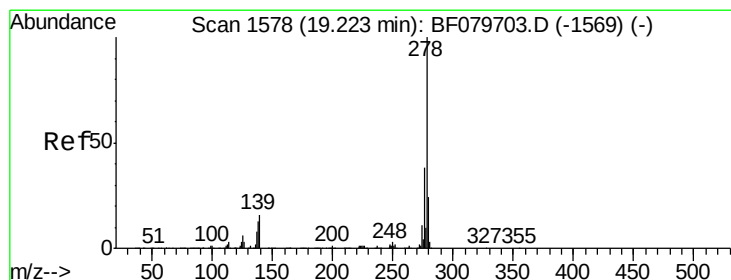
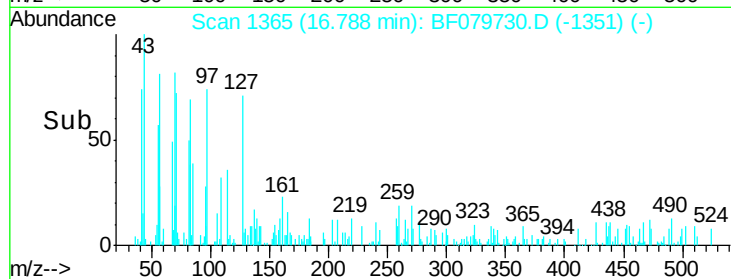
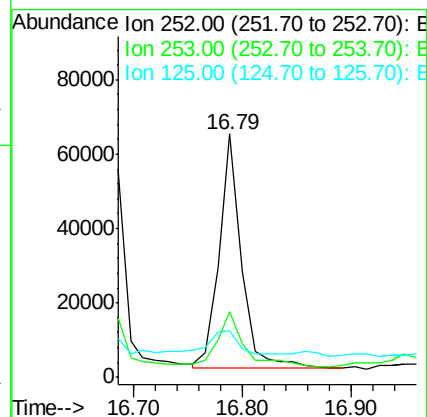
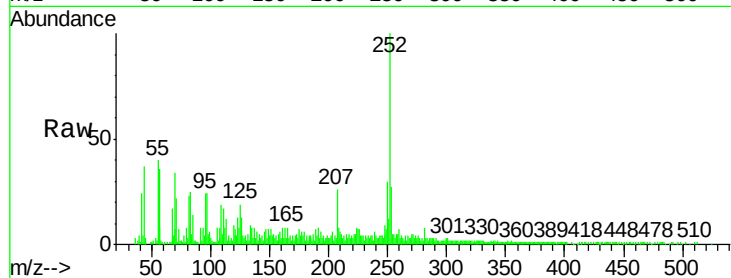
Tgt Ion:252 Resp: 88547

Ion Ratio Lower Upper

252 100

253 27.0 17.6 26.4#

125 19.4 7.4 11.0#



#90

Dibenzo(a,h)anthracene

Concen: 1946.89 ng

RT: 19.02 min Scan# 1560

Delta R.T. 0.07 min

Lab File: BF079730.D

Acq: 5 Jun 2015 6:39

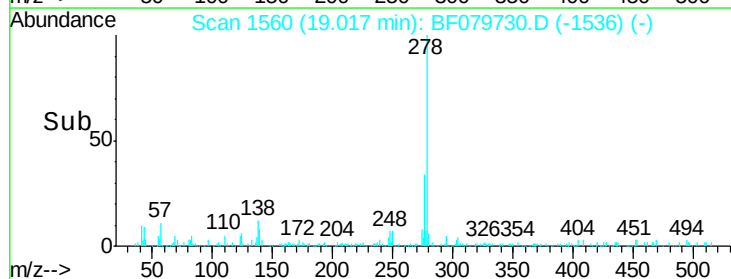
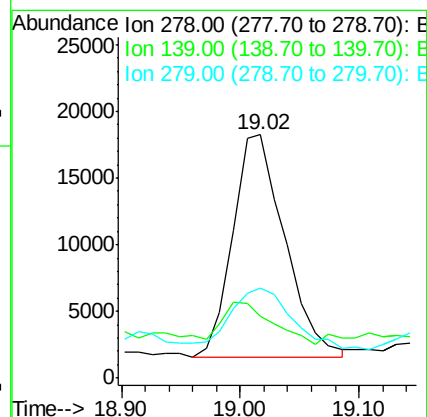
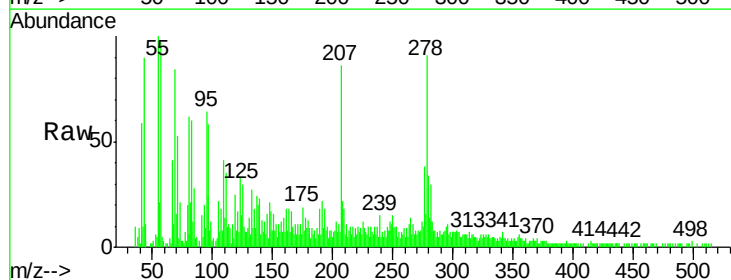
Tgt Ion:278 Resp: 50666

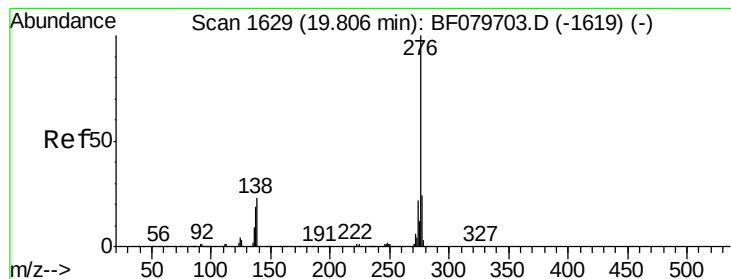
Ion Ratio Lower Upper

278 100

139 25.3 12.7 19.1#

279 37.1 19.4 29.2#





#91

Benzo(g,h,i)perylene

Concen: 352.73 ng

RT: 19.51 min Scan# 1603

Delta R.T. -0.02 min

Lab File: BF079730.D

Acq: 5 Jun 2015 6:39

Instrument :

BNA_F

ClientSampleId :

SEC-3.2-SP

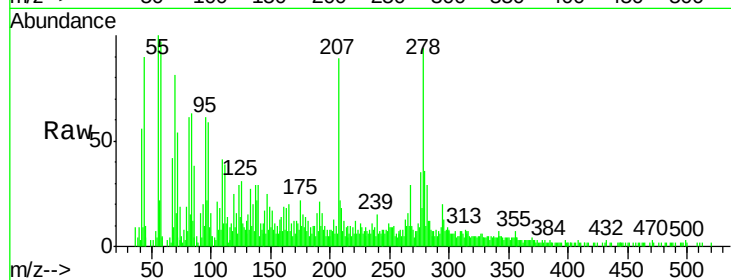
Tgt Ion: 276 Resp: 9386

Ion Ratio Lower Upper

276 100

277 52.2 18.8 28.2#

138 64.2 18.2 27.2#



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

