

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050815\
 Data File : BF079102.D
 Acq On : 10 May 2015 1:39
 Operator : TP/IZ
 Sample : G2155-03 5X
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-47AS

Quant Time: May 11 02:11:24 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 11 01:50:36 2015
 Response via : Initial Calibration

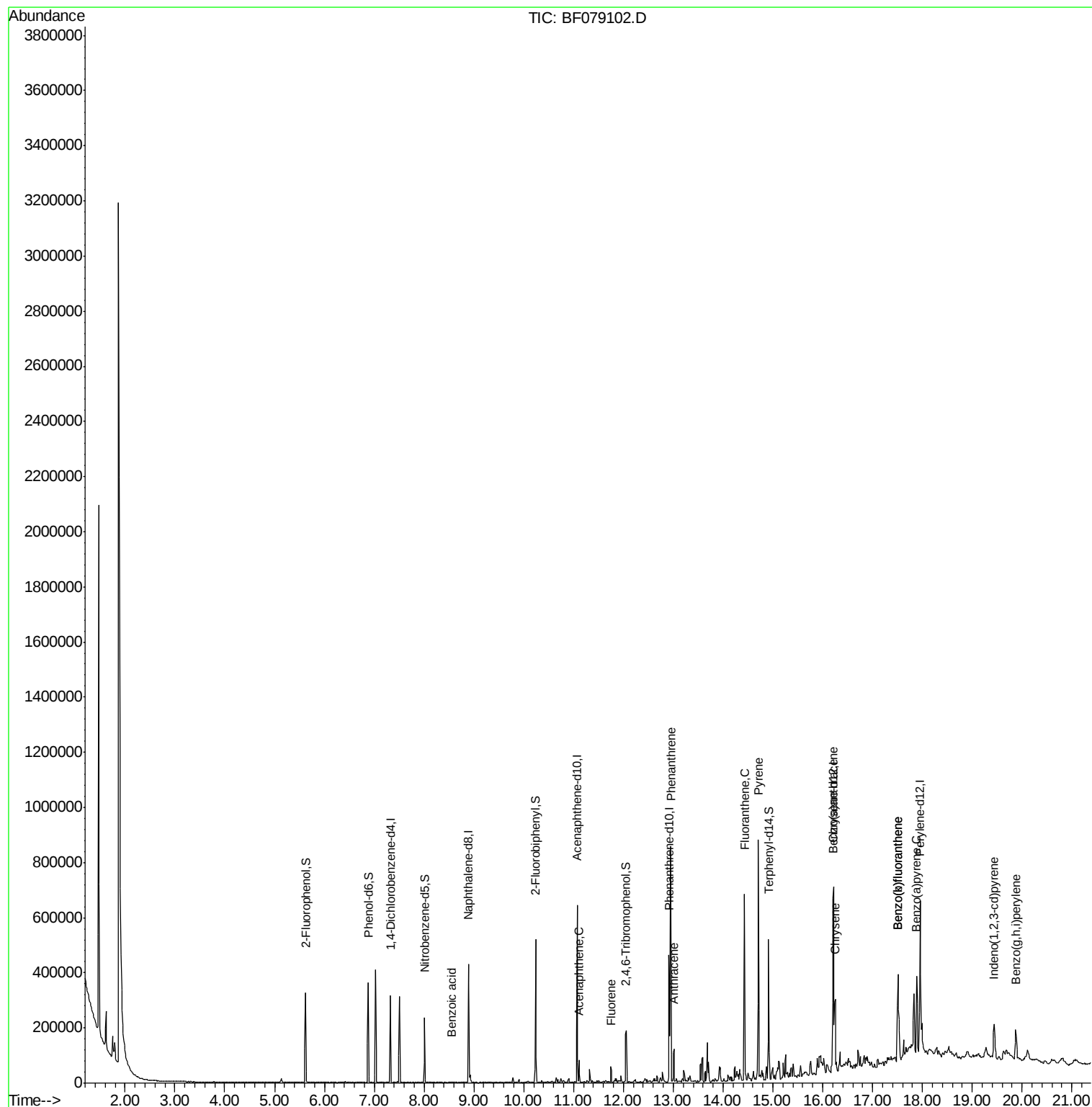
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	67802	20.00	ng	0.00
21) Naphthalene-d8	8.89	136	276235	20.00	ng	0.00
38) Acenaphthene-d10	11.07	164	133629	20.00	ng	0.00
63) Phenanthrene-d10	12.91	188	231713	20.00	ng	0.00
75) Chrysene-d12	16.22	240	243847	20.00	ng	0.01
86) Perylene-d12	17.95	264	251957	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	101601	25.79	ng	0.00
7) Phenol-d6	6.88	99	140022	26.89	ng	0.00
23) Nitrobenzene-d5	8.01	82	75610	15.73	ng	0.00
41) 2,4,6-Tribromophenol	12.06	330	31714	21.94	ng	0.00
44) 2-Fluorobiphenyl	10.24	172	159403	16.62	ng	0.00
78) Terphenyl-d14	14.91	244	166014	16.30	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	8.55	122	567	6.51	ng	88
51) Acenaphthene	11.11	154	19642	2.42	ng	98
57) Fluorene	11.76	166	21126	2.20	ng	99
70) Phenanthrene	12.95	178	322958	24.91	ng	100
71) Anthracene	13.02	178	69187	5.44	ng	98
74) Fluoranthene	14.43	202	400072	29.62	ng	91
77) Pyrene	14.71	202	379064	26.98	ng	98
80) Benzo(a)anthracene	16.21	228	191586	14.35	ng	100
82) Chrysene	16.25	228	137702	10.72	ng	97
85) Indeno(1,2,3-cd)pyrene	19.44	276	95284	5.82	ng	# 100
87) Benzo(b)fluoranthene	17.51	252	257837	18.70	ng	99
88) Benzo(k)fluoranthene	17.51	252	261800	19.61	ng	98
89) Benzo(a)pyrene	17.89	252	145610	11.47	ng	# 94
91) Benzo(g,h,i)perylene	19.87	276	92935	6.87	ng	96

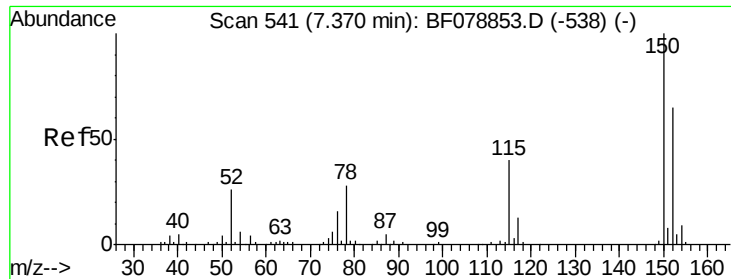
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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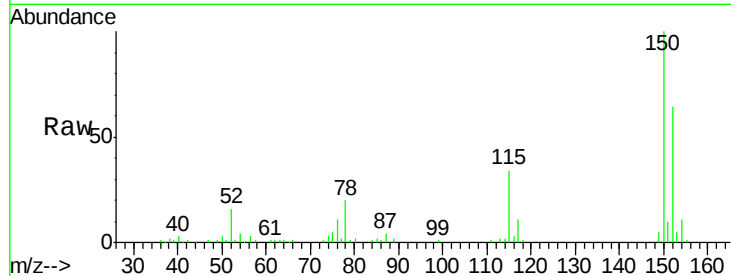




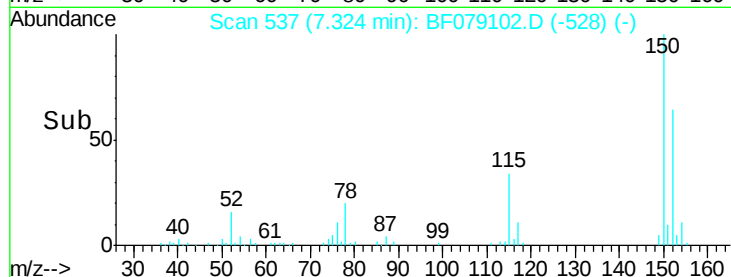
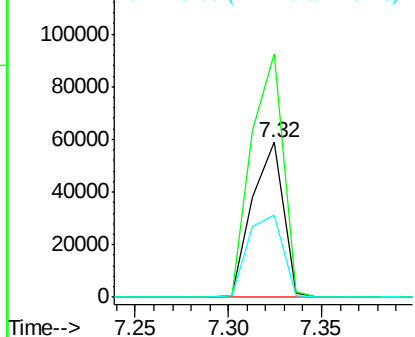
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.32 min Scan# 537
 Delta R.T. -0.00 min
 Lab File: BF079102.D
 Acq: 10 May 2015 1:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-47AS

Tgt Ion:152 Resp: 67802
 Ion Ratio Lower Upper
 152 100
 150 157.2 122.0 183.0
 115 52.9 46.3 69.5

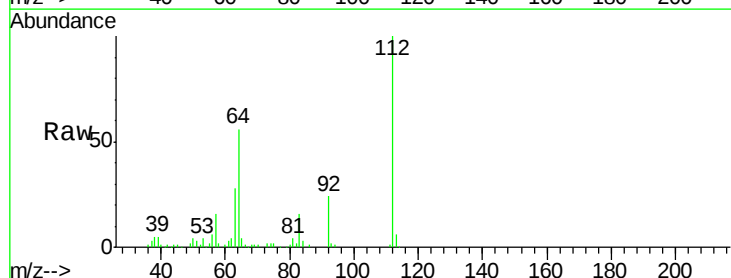


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

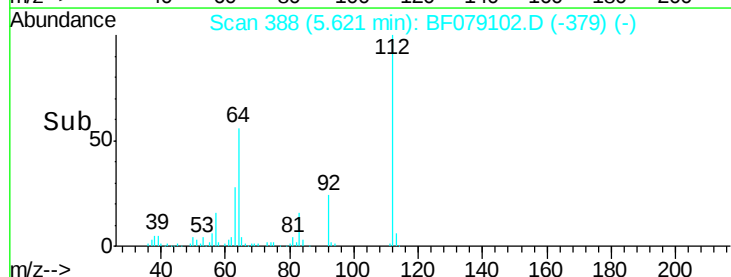
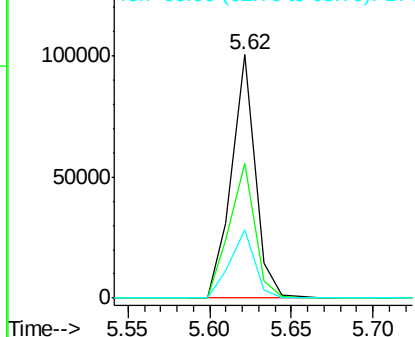


#5
 2-Fluorophenol
 Concen: 25.79 ng
 RT: 5.62 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: BF079102.D
 Acq: 10 May 2015 1:39

Tgt Ion:112 Resp: 101601
 Ion Ratio Lower Upper
 112 100
 64 55.6 53.5 80.3
 63 27.8 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: 26.89 ng

RT: 6.88 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

Instrument :

BNA_F

ClientSampleId :

SB-47AS

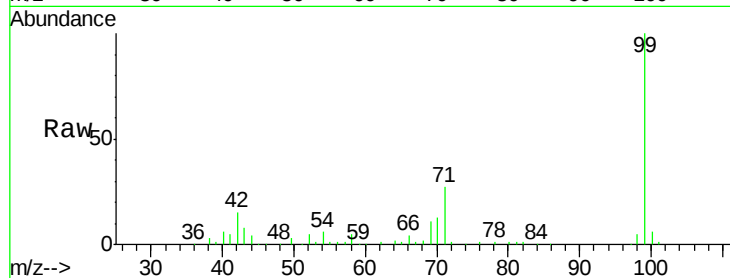
Tgt Ion: 99 Resp: 140022

Ion Ratio Lower Upper

99 100

42 15.0 12.8 19.2

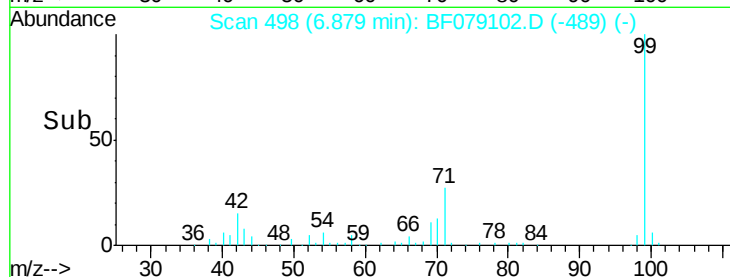
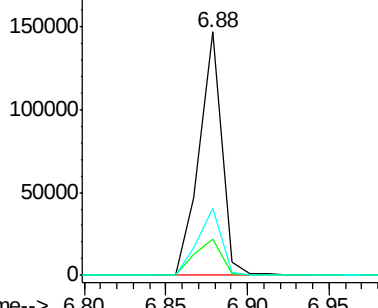
71 27.5 23.4 35.2



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: 8.89 min Scan# 674

Delta R.T. -0.00 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

Tgt Ion: 136 Resp: 276235

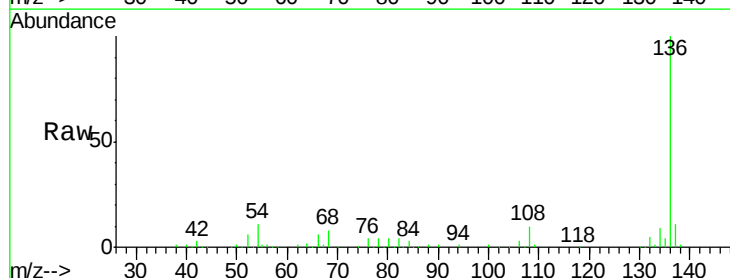
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 10.6 5.8 8.8#

68 7.9 4.2 6.4#

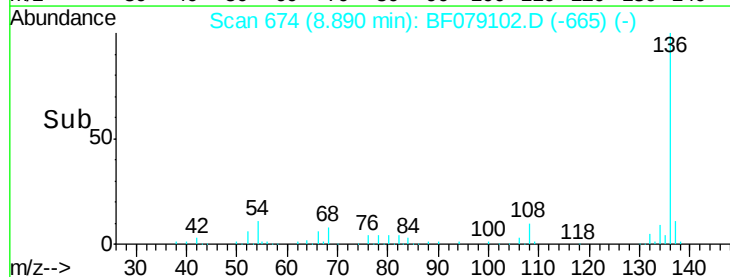
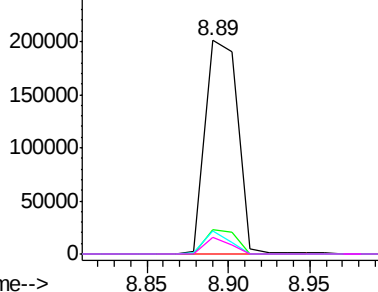


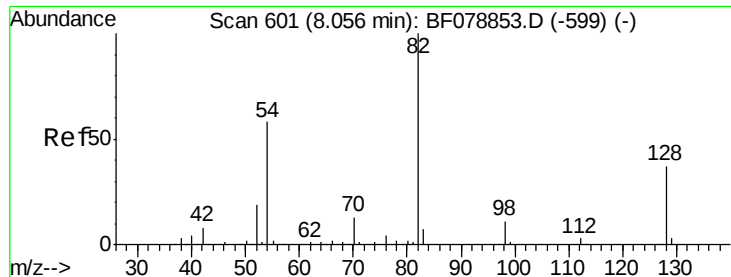
Abundance Ion 136.00 (135.70 to 136.70): E

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

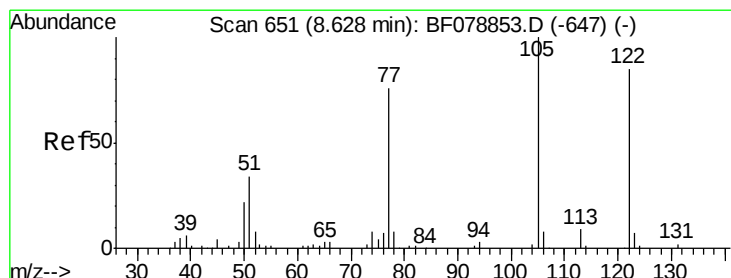
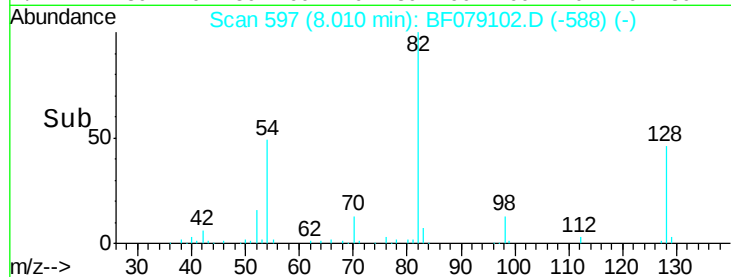
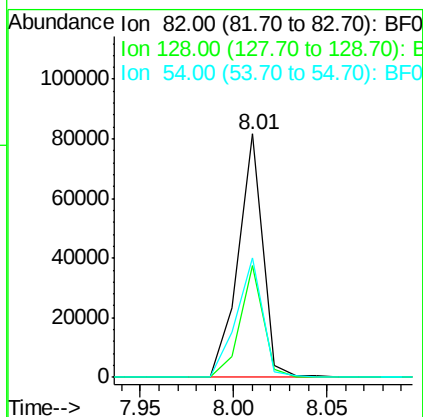
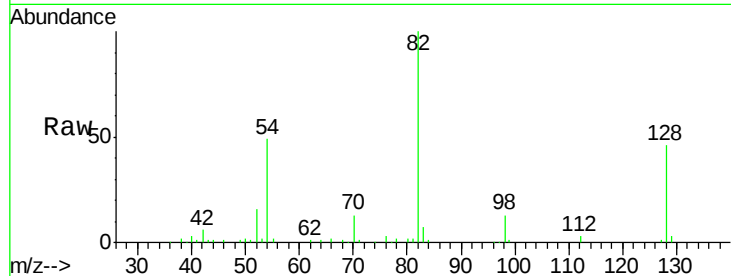




#23
 Nitrobenzene-d5
 Concen: 15.73 ng
 RT: 8.01 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: BF079102.D
 Acq: 10 May 2015 1:39

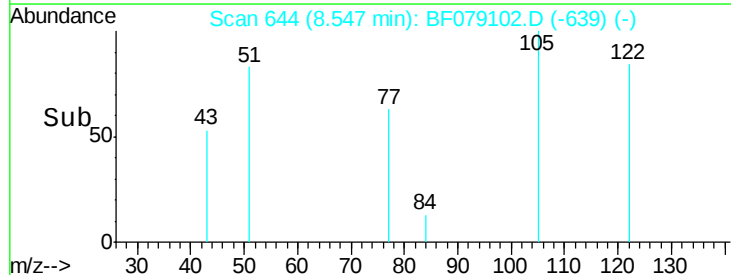
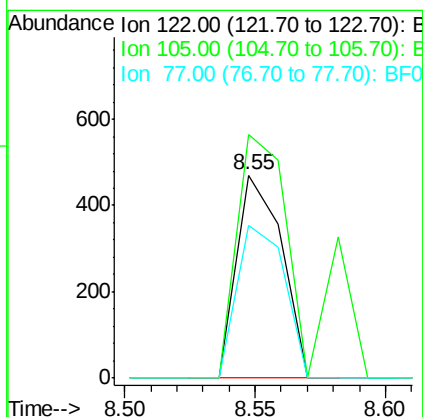
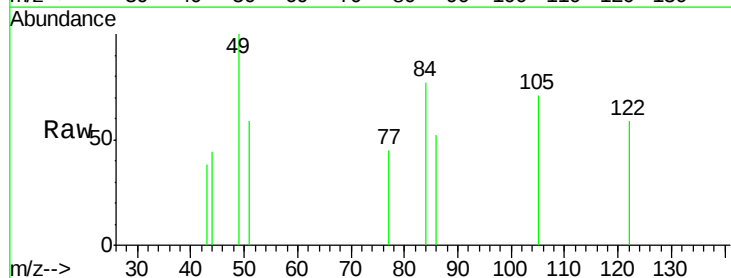
Instrument :
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 ClientSampleId :
 SB-47AS

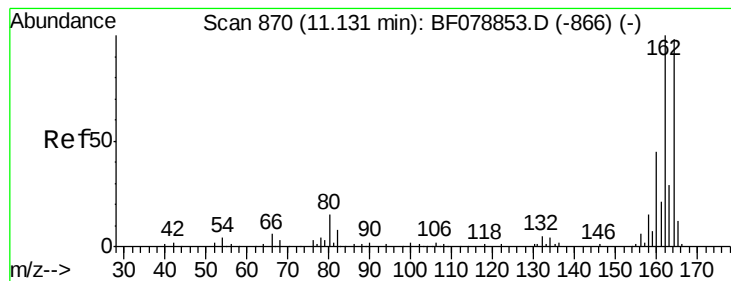
Tgt Ion: 82 Resp: 75610
 Ion Ratio Lower Upper
 82 100
 128 45.8 30.0 45.0#
 54 49.1 46.4 69.6



#32
 Benzoic acid
 Concen: 6.51 ng
 RT: 8.55 min Scan# 644
 Delta R.T. -0.05 min
 Lab File: BF079102.D
 Acq: 10 May 2015 1:39

Tgt Ion: 122 Resp: 567
 Ion Ratio Lower Upper
 122 100
 105 119.7 107.1 147.1
 77 75.4 73.9 113.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.07 min Scan# 865

Delta R.T. -0.00 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

Instrument :

BNA_F

ClientSampleId :

SB-47AS

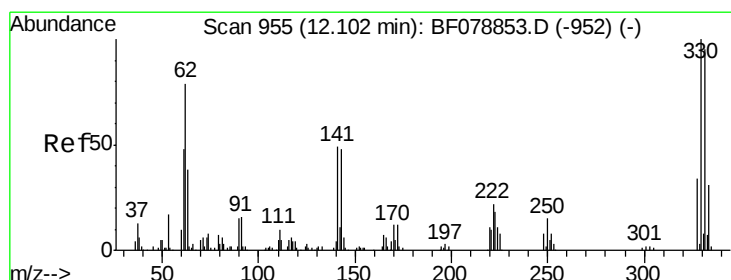
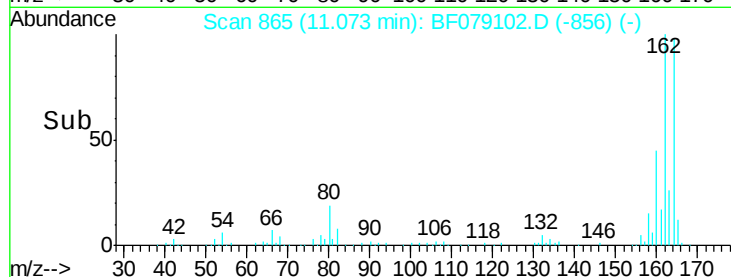
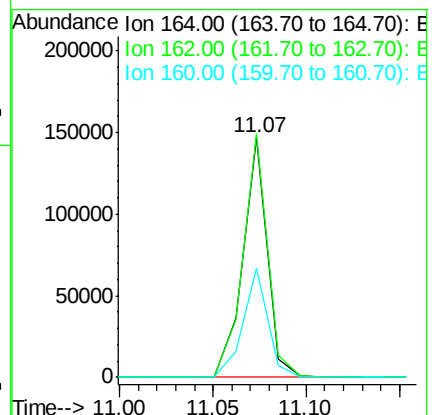
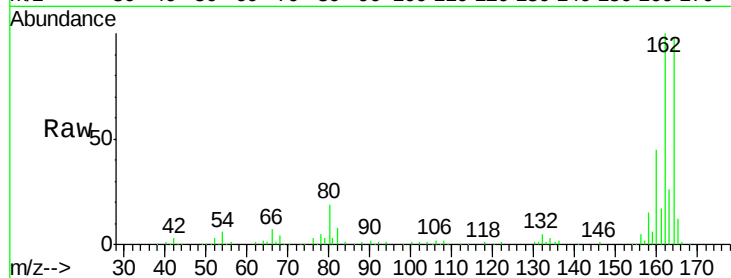
Tgt Ion:164 Resp: 133629

Ion Ratio Lower Upper

164 100

162 101.7 82.7 124.1

160 45.7 35.8 53.8



#41

2,4,6-Tribromophenol

Concen: 21.94 ng

RT: 12.06 min Scan# 951

Delta R.T. -0.00 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

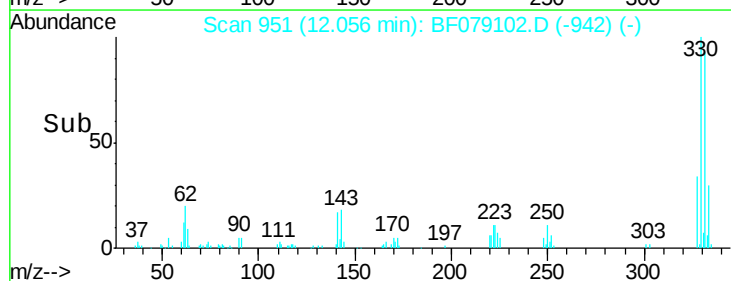
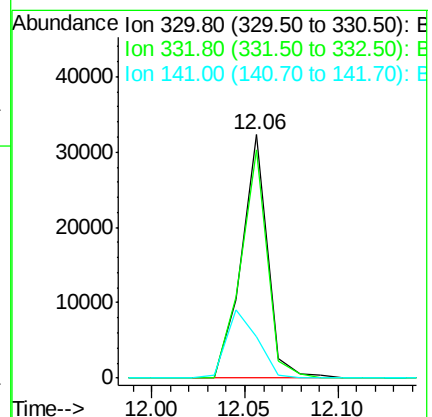
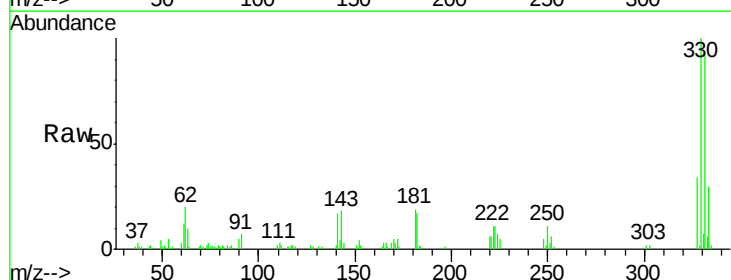
Tgt Ion:330 Resp: 31714

Ion Ratio Lower Upper

330 100

332 94.8 0.0 0.0#

141 33.1 0.0 0.0#

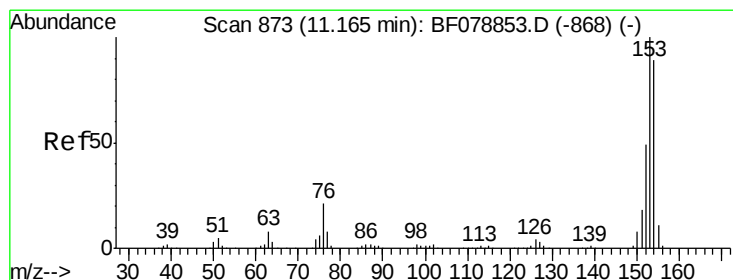
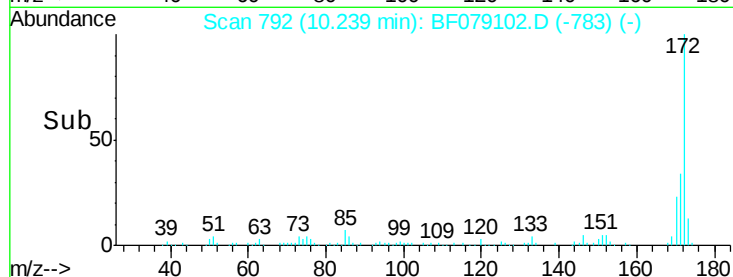
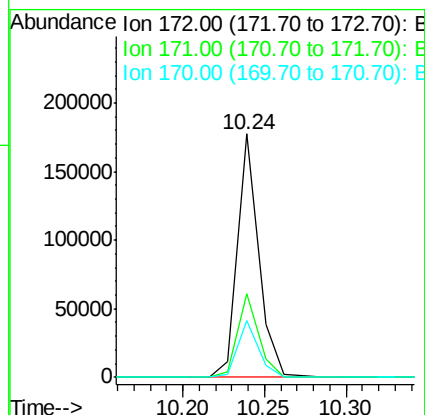
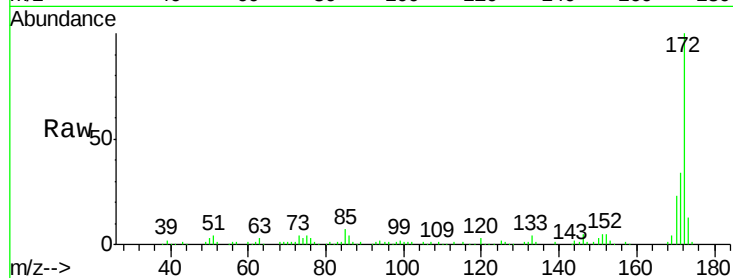




#44
 2-Fluorobiphenyl
 Concen: 16.62 ng
 RT: 10.24 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BF079102.D
 Acq: 10 May 2015 1:39

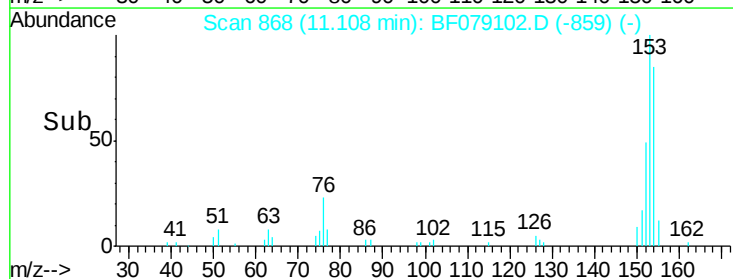
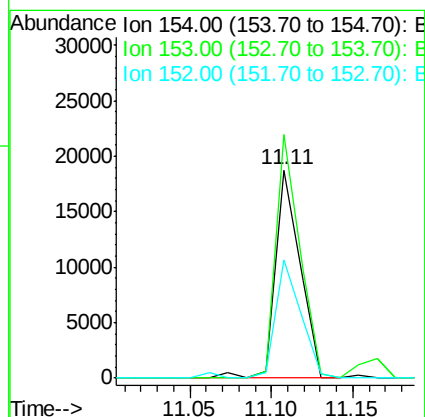
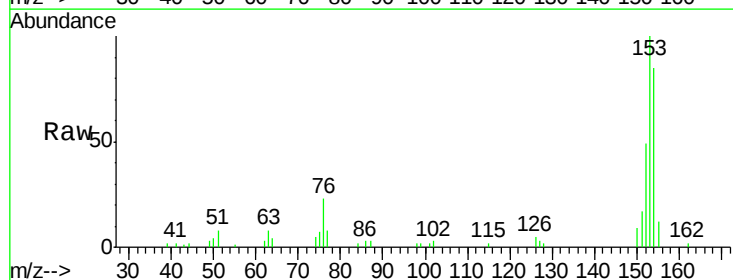
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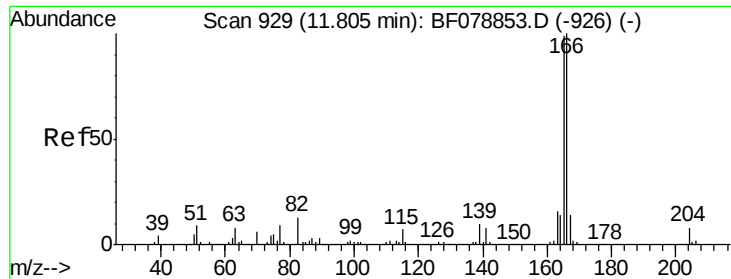
Tgt Ion:172 Resp: 159403
 Ion Ratio Lower Upper
 172 100
 171 34.4 27.9 41.9
 170 23.5 19.4 29.0



#51
 Acenaphthene
 Concen: 2.42 ng
 RT: 11.11 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: BF079102.D
 Acq: 10 May 2015 1:39

Tgt Ion:154 Resp: 19642
 Ion Ratio Lower Upper
 154 100
 153 117.1 91.5 137.3
 152 56.8 44.2 66.4

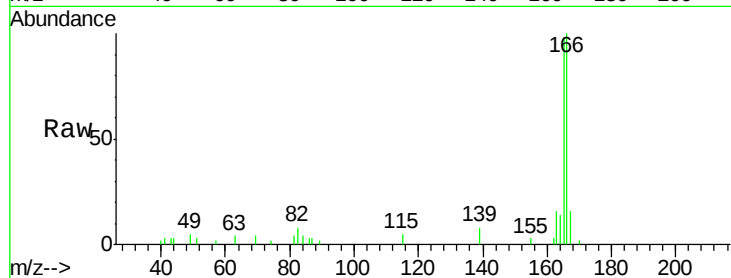




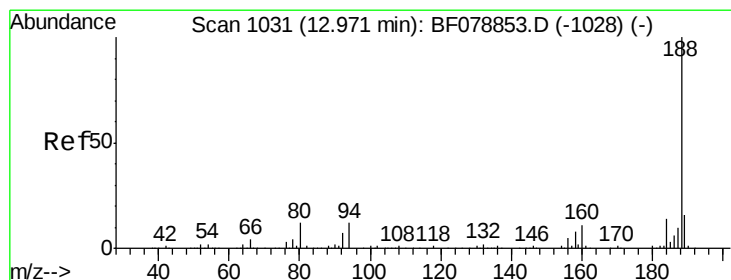
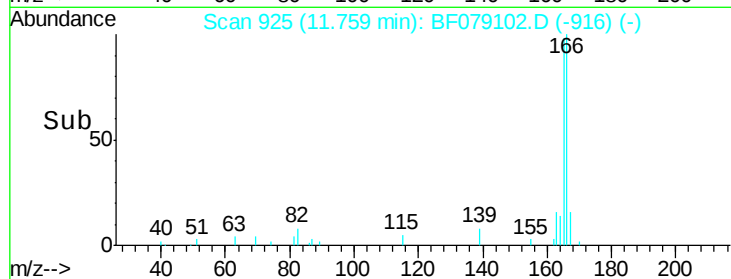
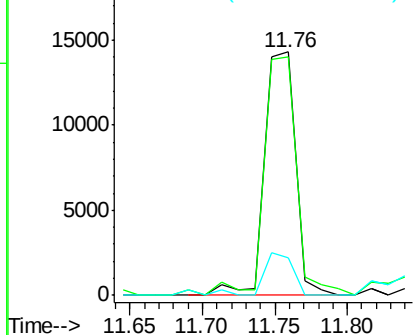
#57
Fluorene
 Concen: 2.20 ng
 RT: 11.76 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: BF079102.D
 Acq: 10 May 2015 1:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-47AS

Tgt Ion:166 Resp: 21126
 Ion Ratio Lower Upper
 166 100
 165 98.2 78.5 117.7
 167 15.6 11.0 16.6

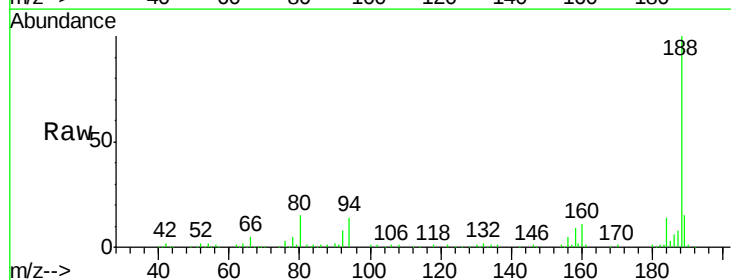


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

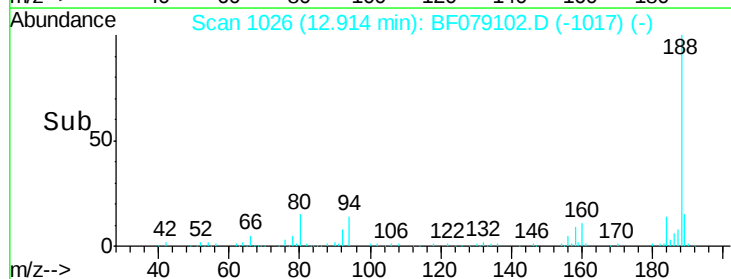
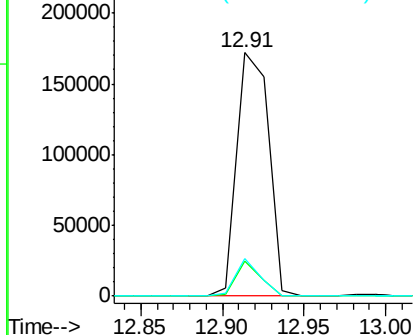


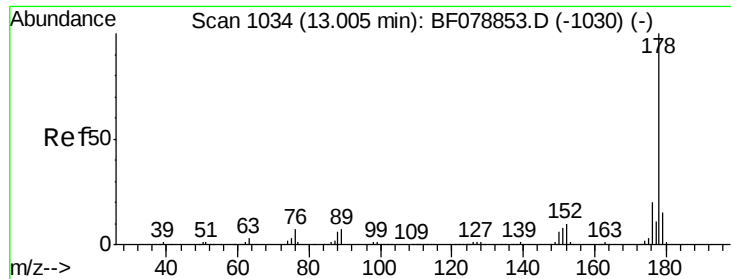
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.91 min Scan# 1026
 Delta R.T. -0.00 min
 Lab File: BF079102.D
 Acq: 10 May 2015 1:39

Tgt Ion:188 Resp: 231713
 Ion Ratio Lower Upper
 188 100
 94 14.2 8.2 12.2#
 80 15.5 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

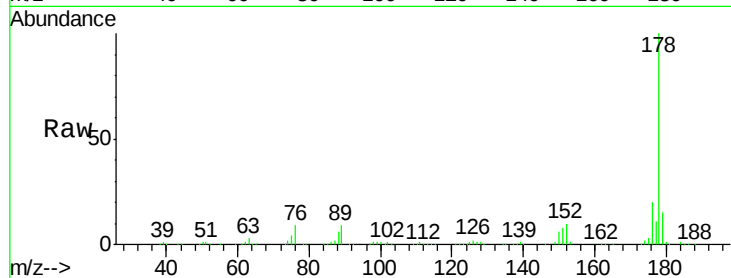




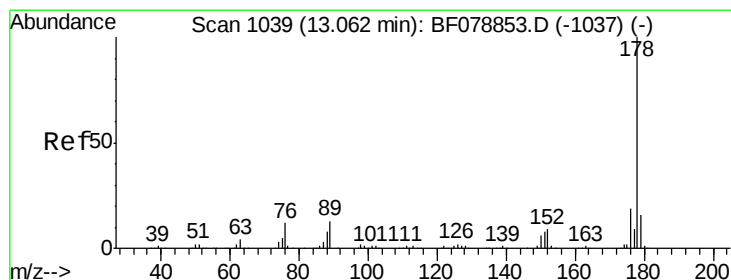
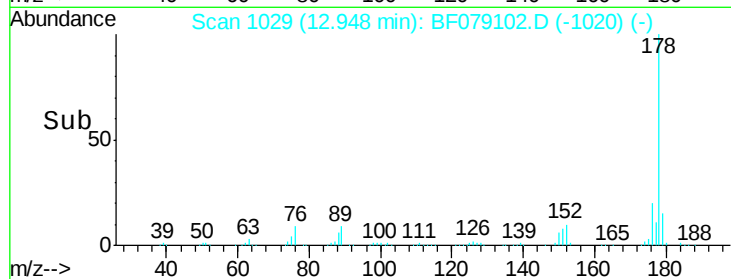
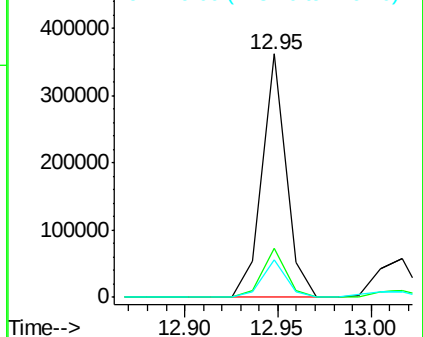
#70
Phenanthrene
Concen: 24.91 ng
RT: 12.95 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF079102.D
Acq: 10 May 2015 1:39

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BNA_F
ClientSampleId :
SB-47AS

Tgt Ion:178 Resp: 322958
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.3 12.5 18.7

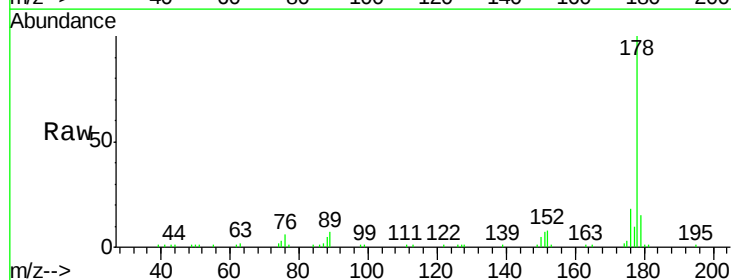


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

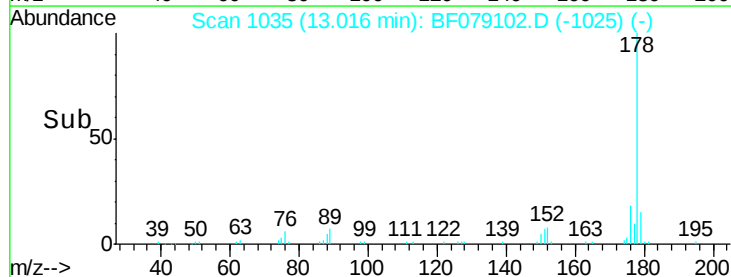
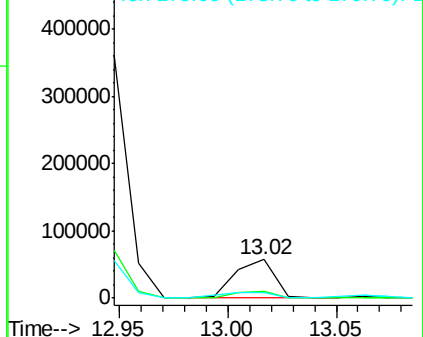


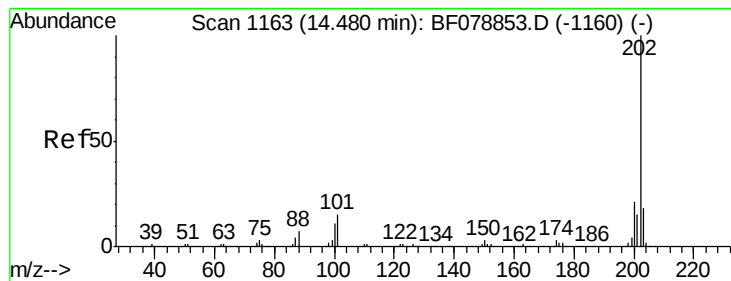
#71
Anthracene
Concen: 5.44 ng
RT: 13.02 min Scan# 1035
Delta R.T. 0.01 min
Lab File: BF079102.D
Acq: 10 May 2015 1:39

Tgt Ion:178 Resp: 69187
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 15.0 12.7 19.1



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: 29.62 ng

RT: 14.43 min Scan# 1159

Delta R.T. 0.01 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

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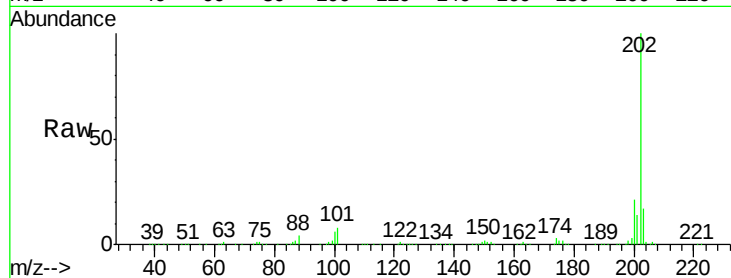
Tgt Ion: 202 Resp: 400072

Ion Ratio Lower Upper

202 100

101 8.3 0.0 34.6

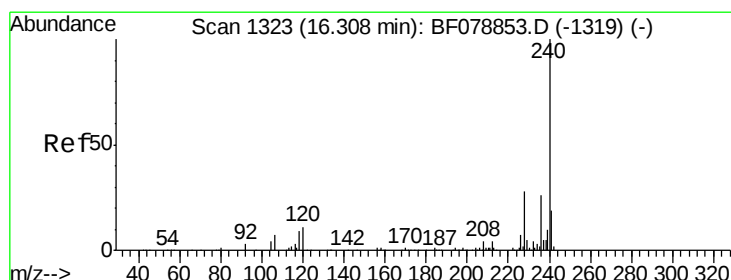
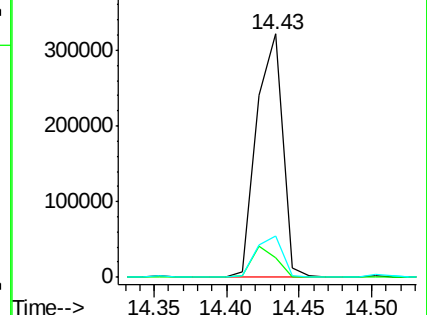
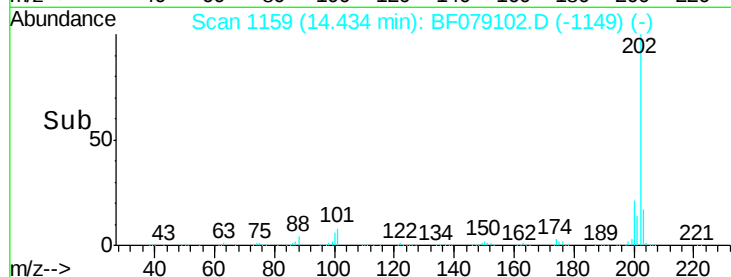
203 16.9 0.0 38.4



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: 16.22 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

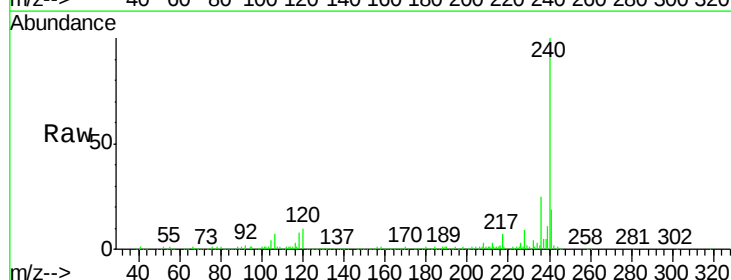
Tgt Ion: 240 Resp: 243847

Ion Ratio Lower Upper

240 100

120 10.0 9.7 14.5

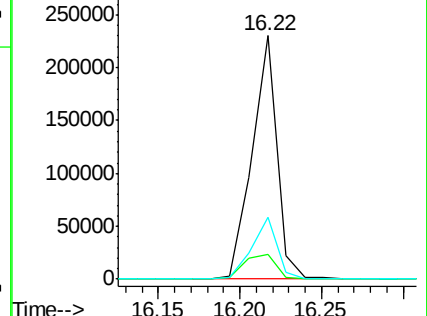
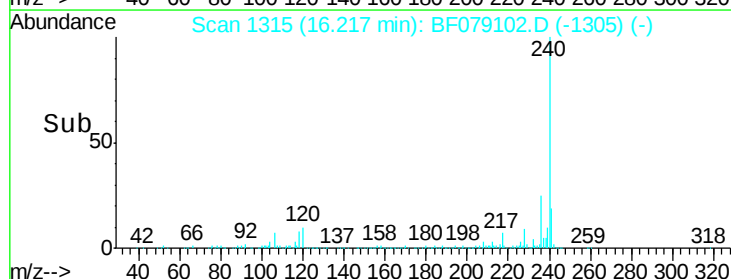
236 25.4 20.2 30.4

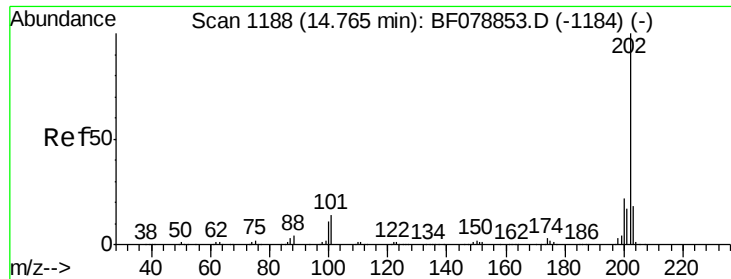


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 26.98 ng

RT: 14.71 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

Instrument :

BNA_F

ClientSampleId :

SB-47AS

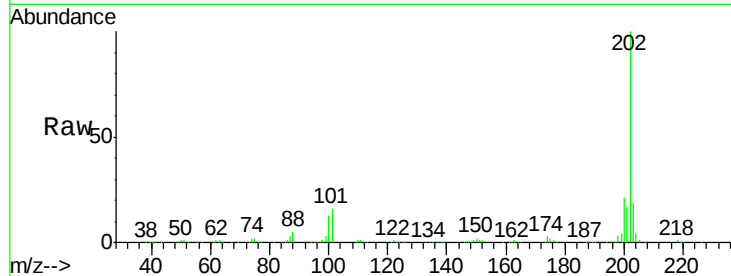
Tgt Ion: 202 Resp: 379064

Ion Ratio Lower Upper

202 100

200 21.0 17.5 26.3

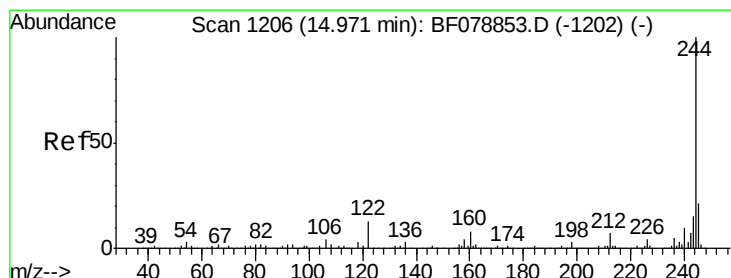
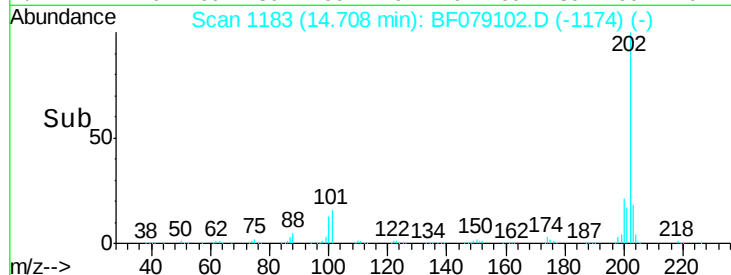
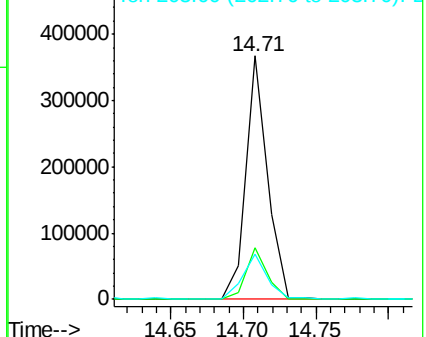
203 18.7 13.9 20.9



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: 16.30 ng

RT: 14.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

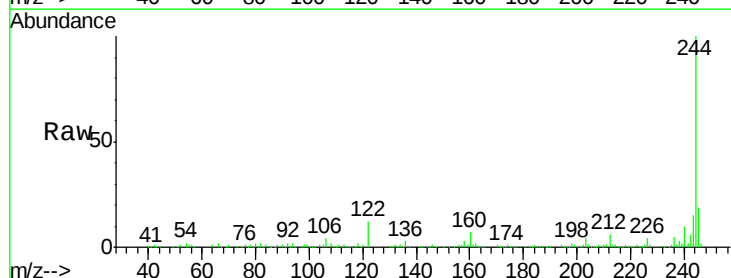
Tgt Ion: 244 Resp: 166014

Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

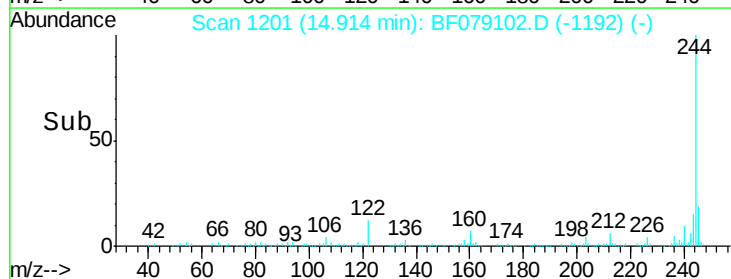
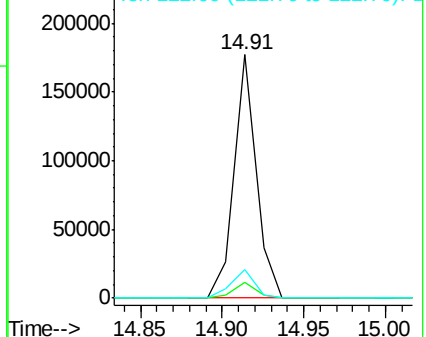
122 11.6 10.3 15.5

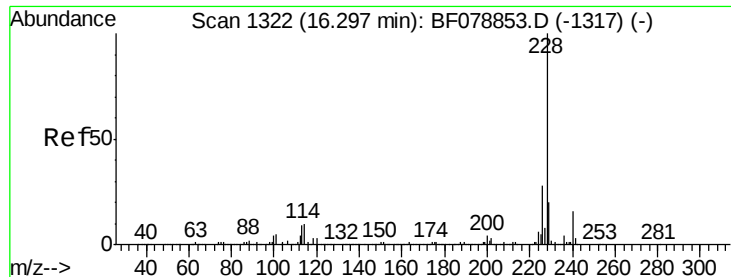


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 14.35 ng

RT: 16.21 min Scan# 1314

Delta R.T. 0.01 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

Instrument :

BNA_F

ClientSampleId :

SB-47AS

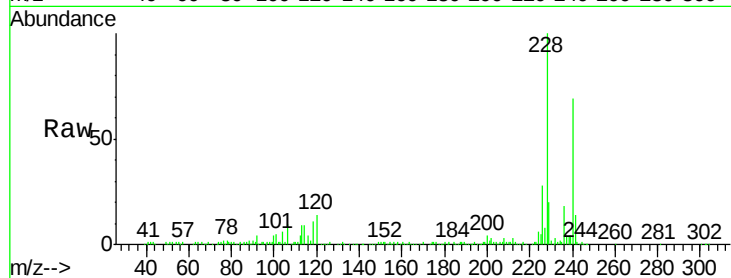
Tgt Ion:228 Resp: 191586

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

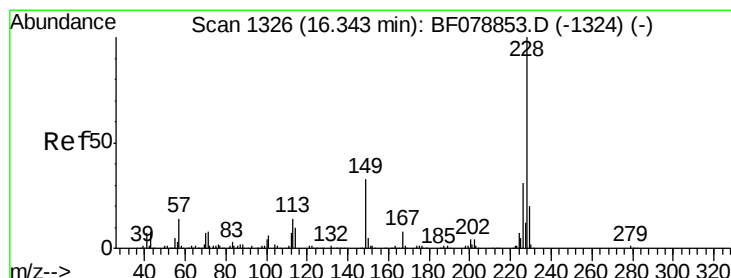
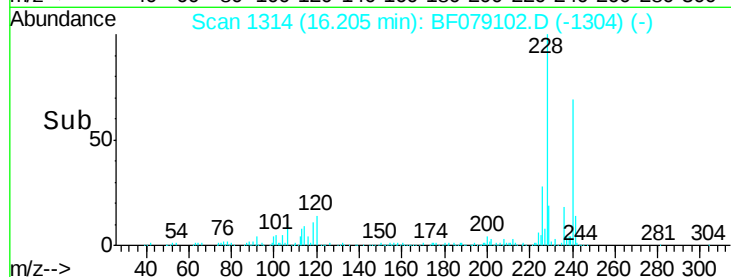
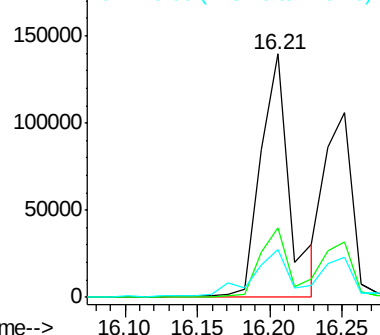
229 19.7 15.9 23.9



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



#82

Chrysene

Concen: 10.72 ng

RT: 16.25 min Scan# 1318

Delta R.T. 0.01 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

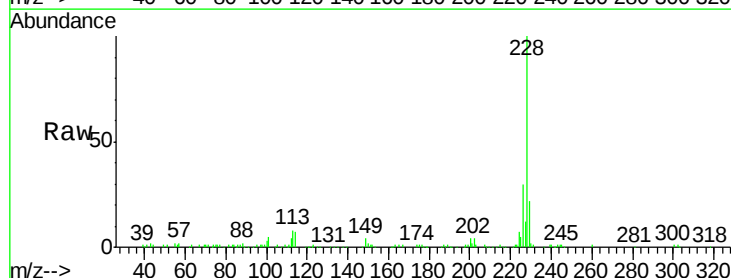
Tgt Ion:228 Resp: 137702

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

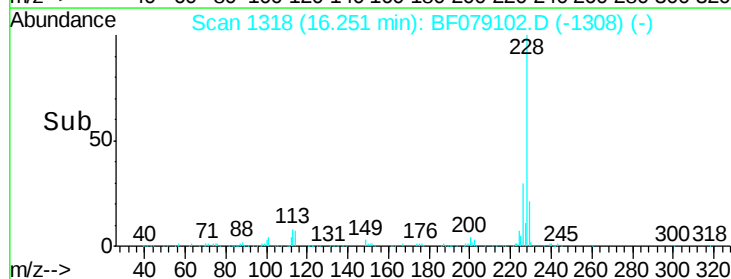
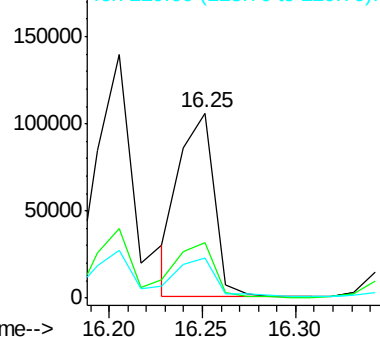
229 21.8 16.0 24.0

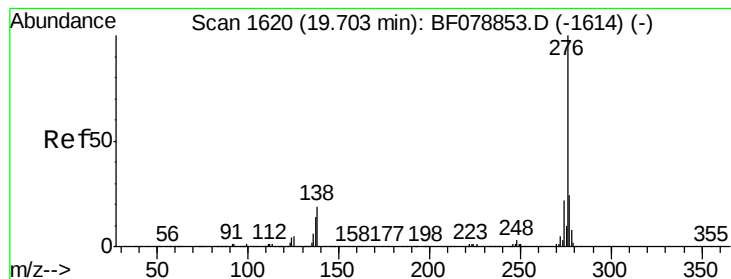


Abundance Ion 228.00 (227.70 to 228.70): E

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: 5.82 ng

RT: 19.44 min Scan# 1597

Delta R.T. 0.05 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

Instrument :

BNA_F

ClientSampleId :

SB-47AS

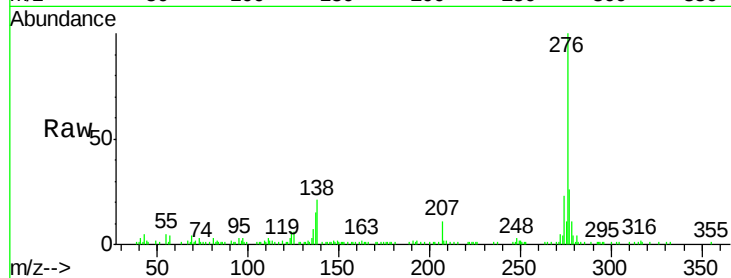
Tgt Ion:276 Resp: 95284

Ion Ratio Lower Upper

276 100

138 22.7 0.0 0.0#

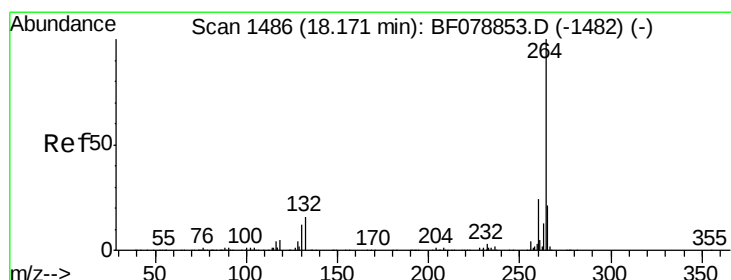
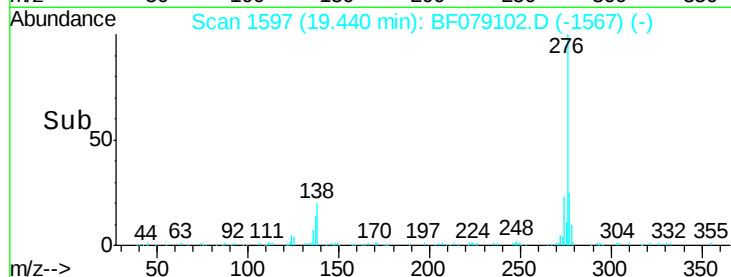
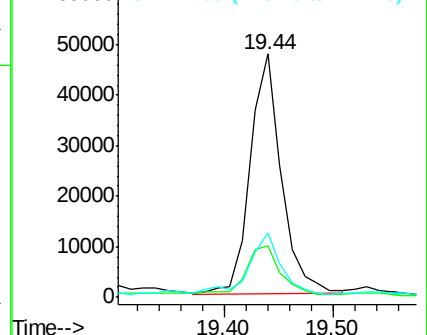
277 26.2 0.0 0.0#



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: 17.95 min Scan# 1467

Delta R.T. 0.03 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

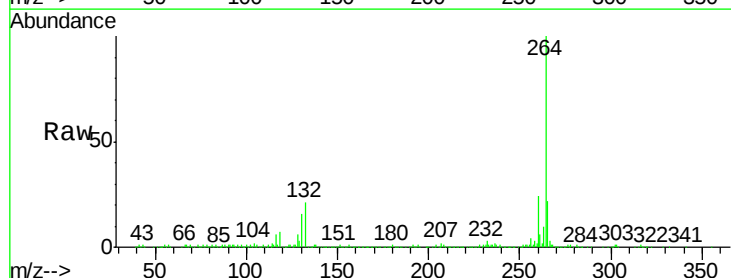
Tgt Ion:264 Resp: 251957

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

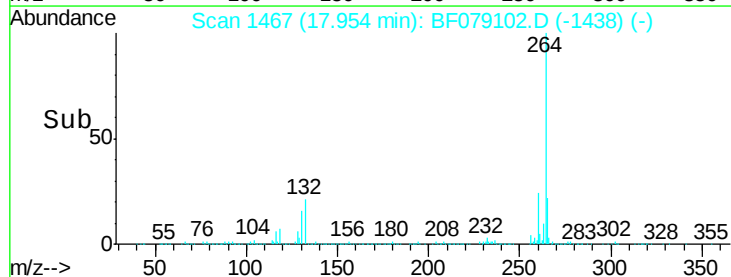
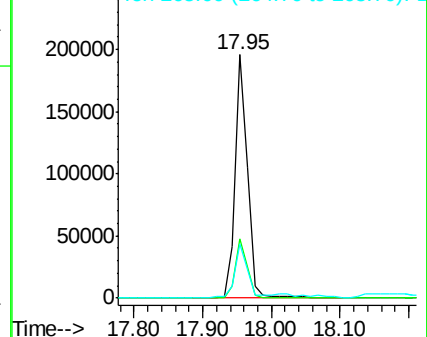
265 22.1 18.3 27.5

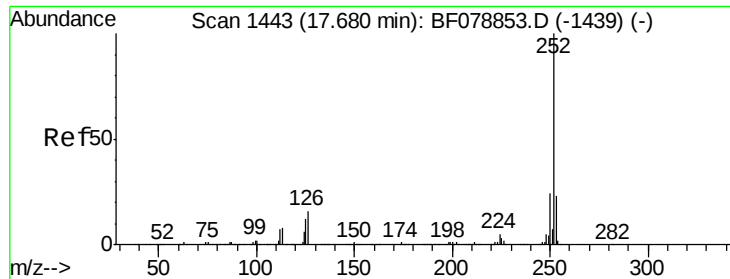


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

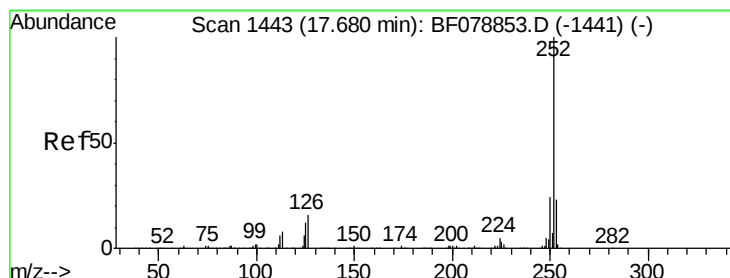
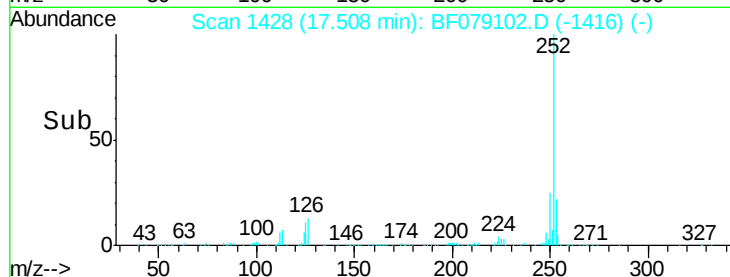
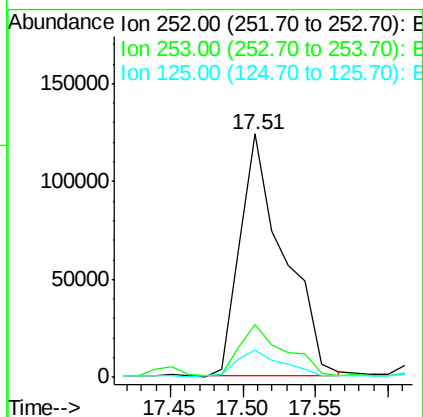
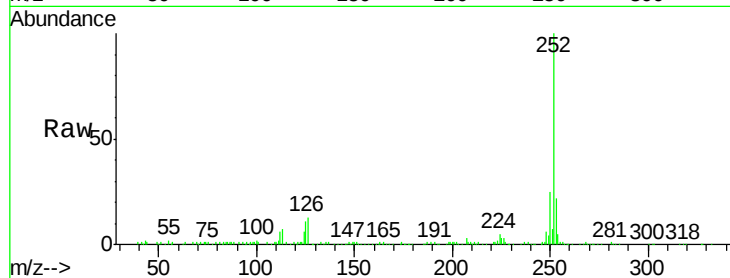




#87
Benzo(b)fluoranthene
Concen: 18.70 ng
RT: 17.51 min Scan# 1428
Delta R.T. 0.03 min
Lab File: BF079102.D
Acq: 10 May 2015 1:39

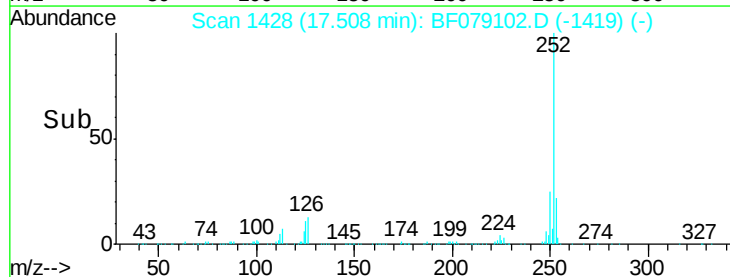
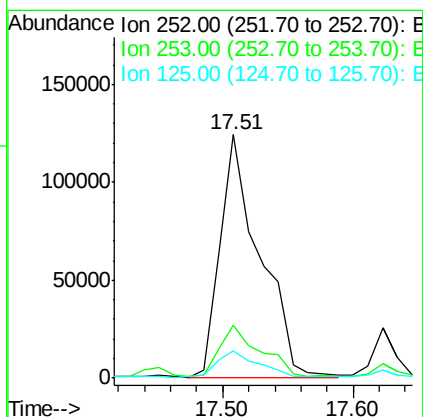
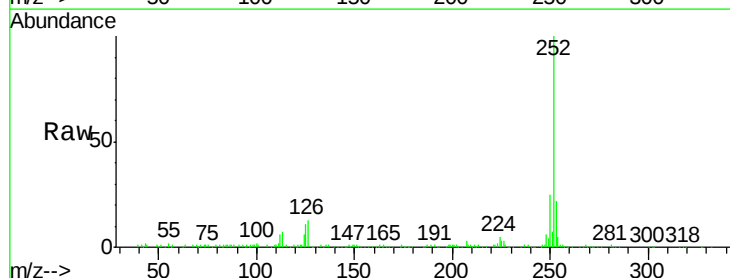
Instrument :
BNA_F
ClientSampleId :
SB-47AS

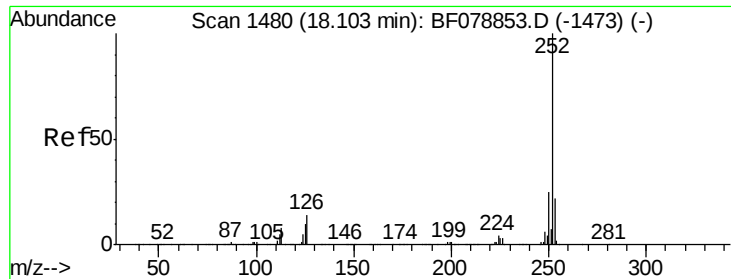
Tgt Ion: 252 Resp: 257837
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 11.1 9.5 14.3



#88
Benzo(k)fluoranthene
Concen: 19.61 ng
RT: 17.51 min Scan# 1428
Delta R.T. -0.00 min
Lab File: BF079102.D
Acq: 10 May 2015 1:39

Tgt Ion: 252 Resp: 261800
Ion Ratio Lower Upper
252 100
253 22.0 18.1 27.1
125 11.1 10.0 15.0





#89

Benzo(a)pyrene

Concen: 11.47 ng

RT: 17.89 min Scan# 1461

Delta R.T. 0.03 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

Instrument :

BNA_F

ClientSampled :

SB-47AS

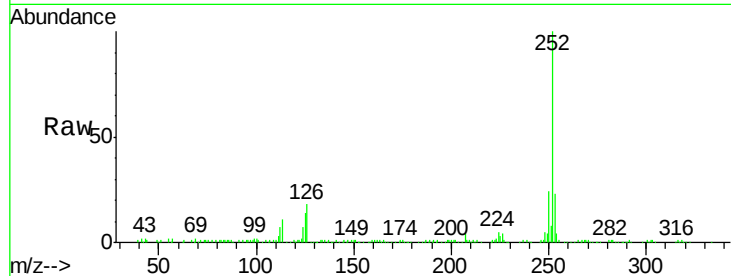
Tgt Ion:252 Resp: 145610

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

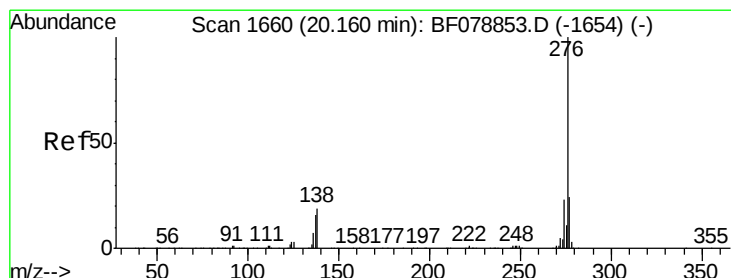
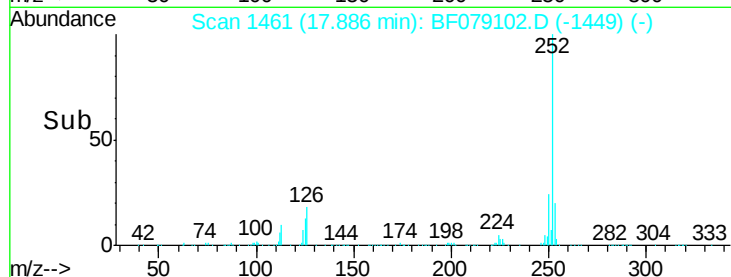
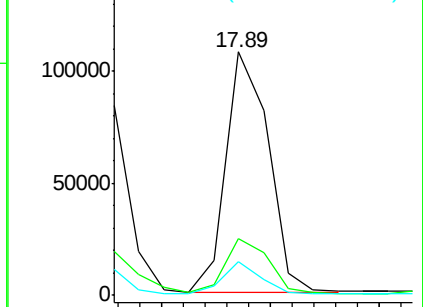
125 13.7 7.0 10.6#



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



#91

Benzo(g,h,i)perylene

Concen: 6.87 ng

RT: 19.87 min Scan# 1635

Delta R.T. 0.03 min

Lab File: BF079102.D

Acq: 10 May 2015 1:39

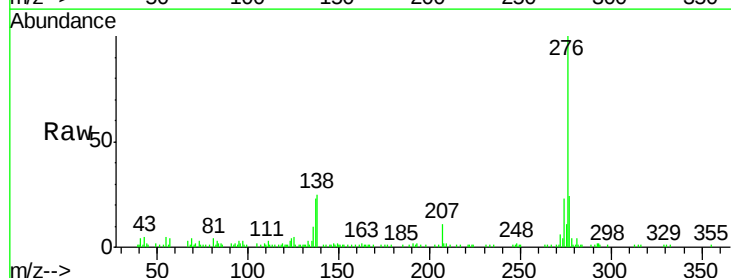
Tgt Ion:276 Resp: 92935

Ion Ratio Lower Upper

276 100

277 23.9 18.6 28.0

138 25.1 17.4 26.0



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

