

Data Path : Z:\HPCHEM1\BNA_F\Data\BF060315\
 Data File : BF079678.D
 Acq On : 4 Jun 2015 00:38
 Operator : TP/IZ
 Sample : G2408-23 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-15D

Quant Time: Jun 04 03:54:22 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 15:20:47 2015
 Response via : Initial Calibration

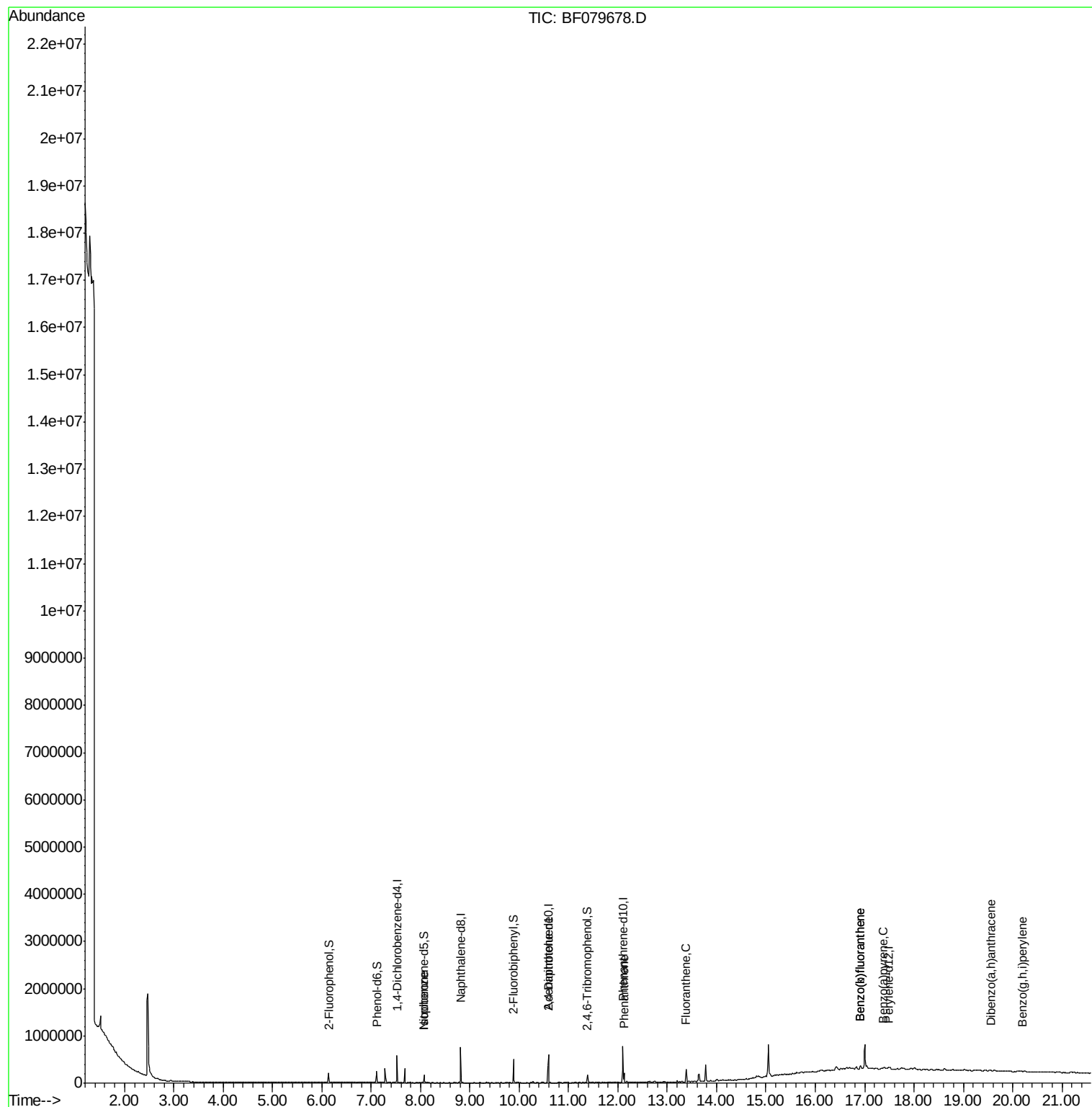
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	77110	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	296764	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	142689	20.00	ng	0.00
63) Phenanthrene-d10	12.10	188	296035	20.00	ng	-0.03
75) Chrysene-d12	0.00	240	0	0.00	ng	-15.38
86) Perylene-d12	17.49	264	1517	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	75031	18.11	ng	0.00
7) Phenol-d6	7.11	99	100464	16.40	ng	0.00
23) Nitrobenzene-d5	8.07	82	49780	8.38	ng	-0.01
41) 2,4,6-Tribromophenol	11.38	330	16517	14.03	ng	-0.01
44) 2-Fluorobiphenyl	9.88	172	139270	8.90	ng	0.00
78) Terphenyl-d14	13.78	244	157463	0.00	ng	-0.17
Target Compounds						
25) Isophorone	8.07	82	48731	4.82	ng	# 65
56) 2,4-Dinitrotoluene	10.59	165	17897	12.48	ng	# 32
70) Phenanthrene	12.12	178	72023	4.40	ng	97
74) Fluoranthene	13.38	202	106549	6.04	ng	97
87) Benzo(b)fluoranthene	16.91	252	42467	541.73	ng	# 87
88) Benzo(k)fluoranthene	16.91	252	42467	462.38	ng	# 85
89) Benzo(a)pyrene	17.38	252	398	5.19	ng	# 1
90) Dibenzo(a,h)anthracene	19.55	278	636	8.86	ng	# 1
91) Benzo(g,h,i)perylene	20.19	276	340	4.46	ng	# 1

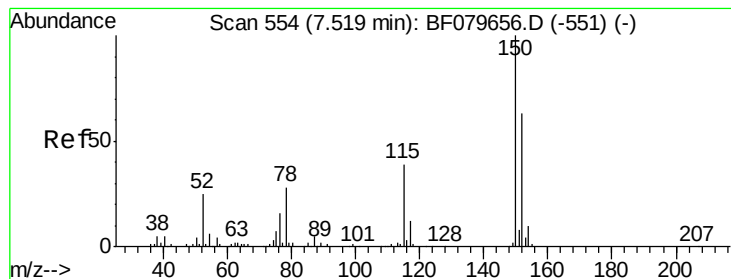
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.52 min Scan# 554

Delta R.T. -0.00 min

Lab File: BF079678.D

Acq: 4 Jun 2015 00:38

Instrument :

BNA_F

ClientSampleId :

SB-15D

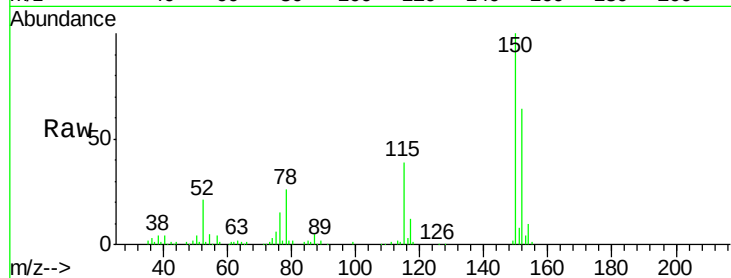
Tgt Ion:152 Resp: 77110

Ion Ratio Lower Upper

152 100

150 155.4 126.7 190.1

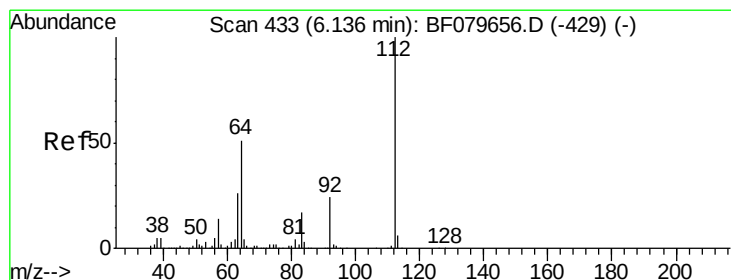
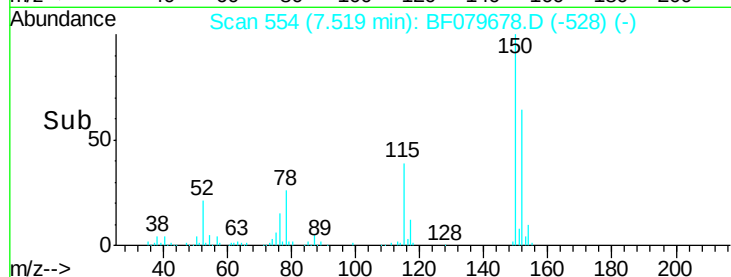
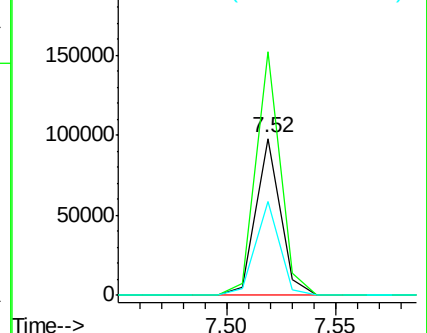
115 59.9 49.2 73.8



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: 18.11 ng

RT: 6.14 min Scan# 433

Delta R.T. 0.00 min

Lab File: BF079678.D

Acq: 4 Jun 2015 00:38

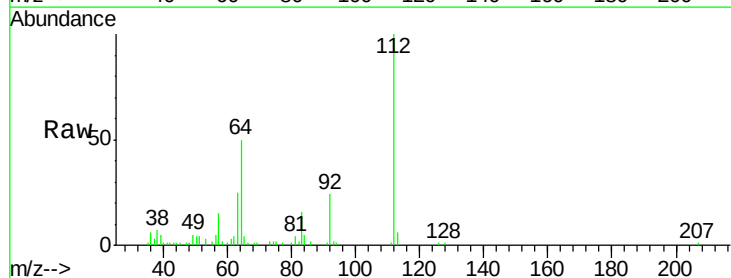
Tgt Ion:112 Resp: 75031

Ion Ratio Lower Upper

112 100

64 50.3 41.1 61.7

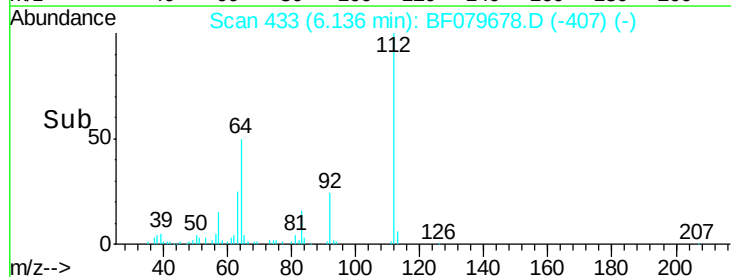
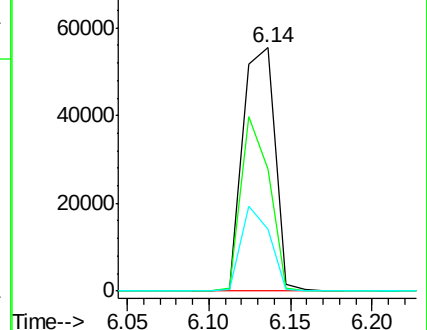
63 25.2 20.5 30.7

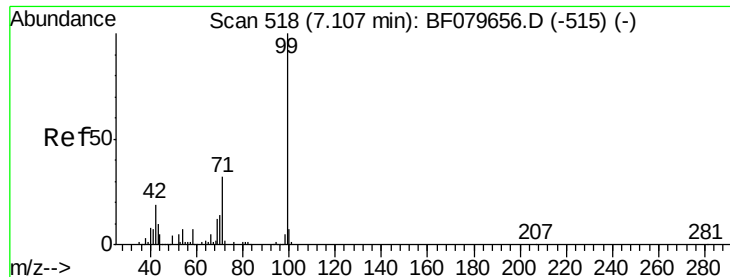


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 16.40 ng

RT: 7.11 min Scan# 518

Delta R.T. 0.00 min

Lab File: BF079678.D

Acq: 4 Jun 2015 00:38

Instrument :

BNA_F

ClientSampleId :

SB-15D

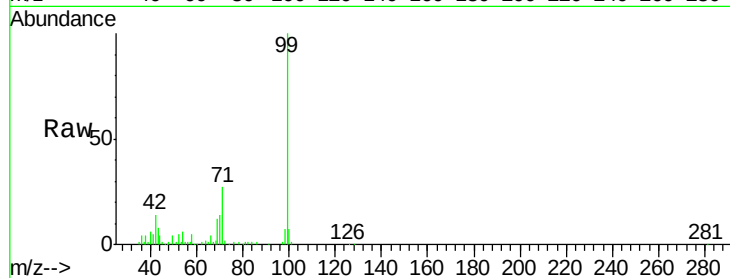
Tgt Ion: 99 Resp: 100464

Ion Ratio Lower Upper

99 100

42 13.8 15.2 22.8#

71 27.2 25.9 38.9

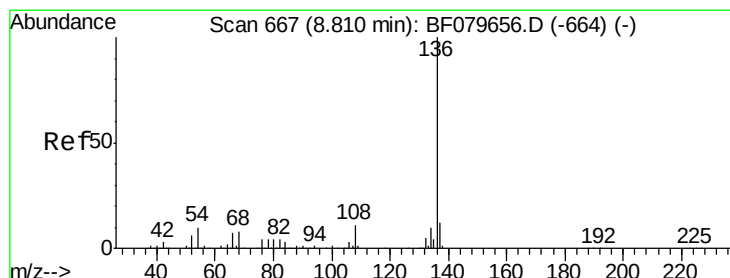
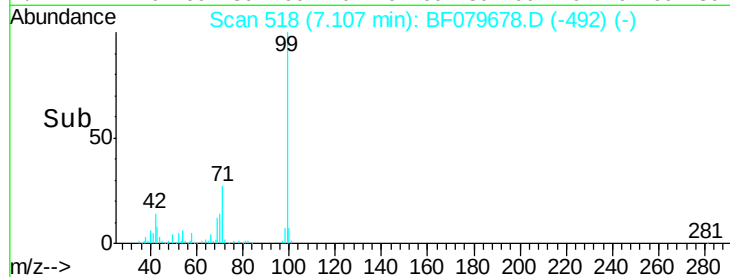
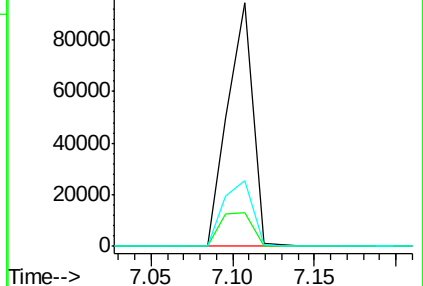


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

7.11



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.81 min Scan# 667

Delta R.T. -0.00 min

Lab File: BF079678.D

Acq: 4 Jun 2015 00:38

Tgt Ion: 136 Resp: 296764

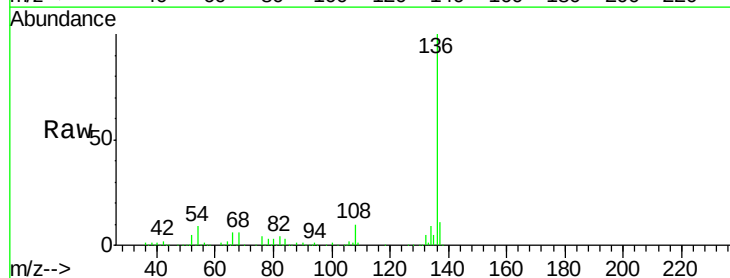
Ion Ratio Lower Upper

136 100

137 11.2 9.3 13.9

54 9.3 8.3 12.5

68 6.4 6.1 9.1



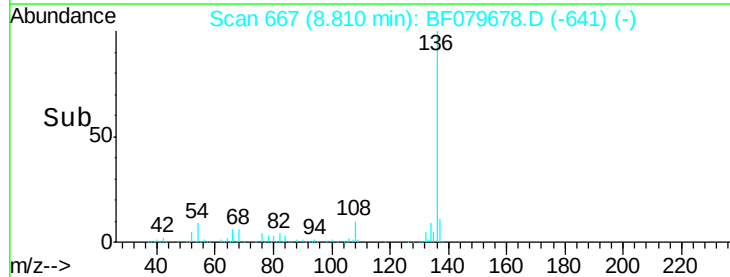
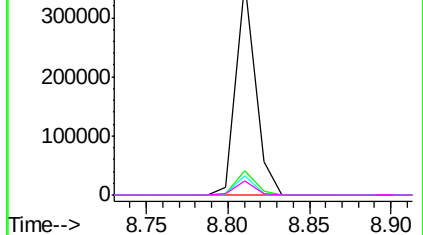
Abundance Ion 136.00 (135.70 to 136.70): E

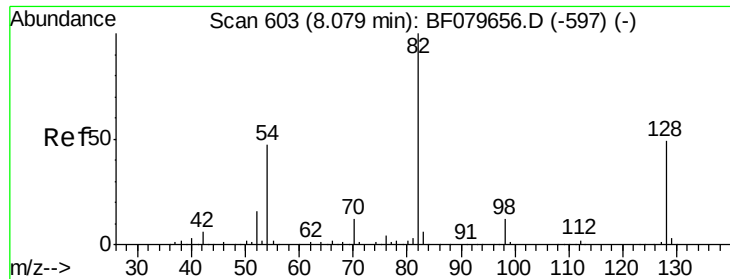
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

8.81

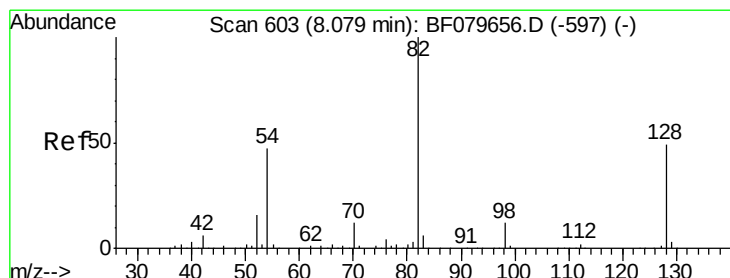
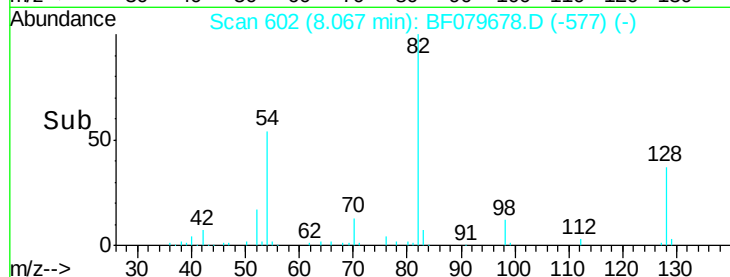
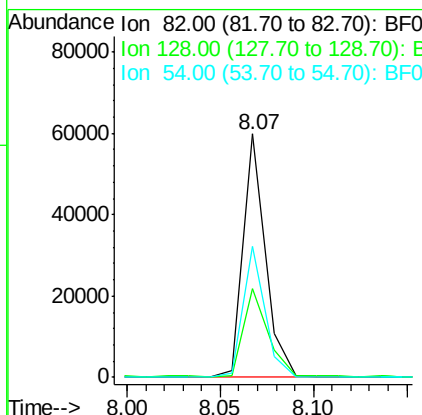
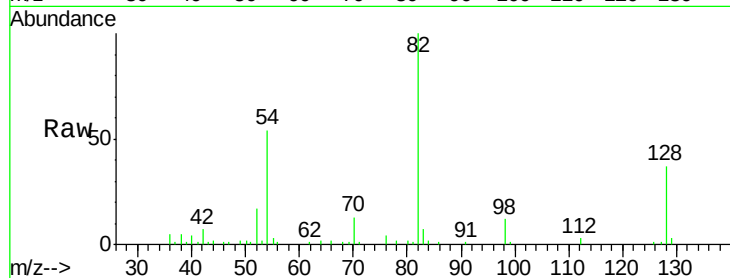




#23
 Nitrobenzene-d5
 Concen: 8.38 ng
 RT: 8.07 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BF079678.D
 Acq: 4 Jun 2015 00:38

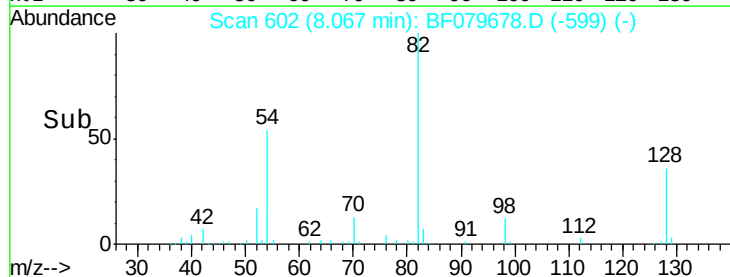
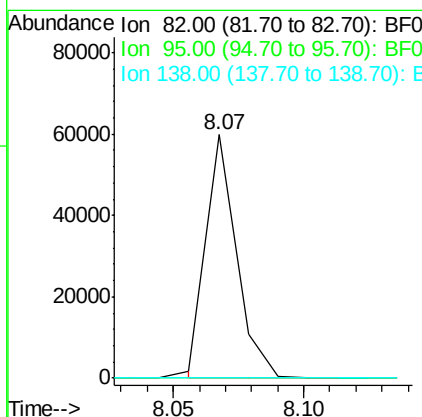
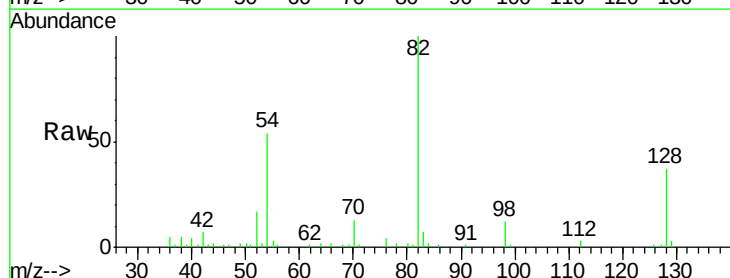
Instrument :
 BNA_F
 ClientSampleId :
 SB-15D

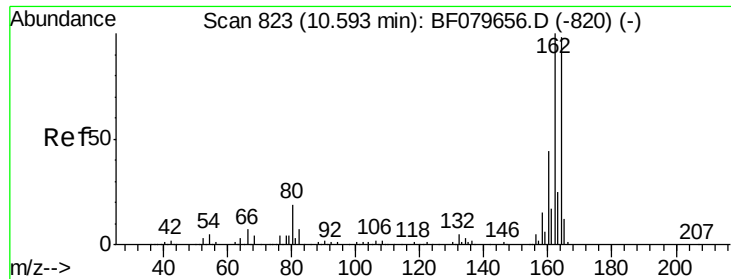
Tgt Ion: 82 Resp: 49780
 Ion Ratio Lower Upper
 82 100
 128 36.7 39.4 59.0#
 54 53.6 37.4 56.0



#25
 Isophorone
 Concen: 4.82 ng
 RT: 8.07 min Scan# 602
 Delta R.T. -0.26 min
 Lab File: BF079678.D
 Acq: 4 Jun 2015 00:38

Tgt Ion: 82 Resp: 48731
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 14.4 21.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.59 min Scan# 823

Delta R.T. -0.00 min

Lab File: BF079678.D

Acq: 4 Jun 2015 00:38

Instrument :

BNA_F

ClientSampleId :

SB-15D

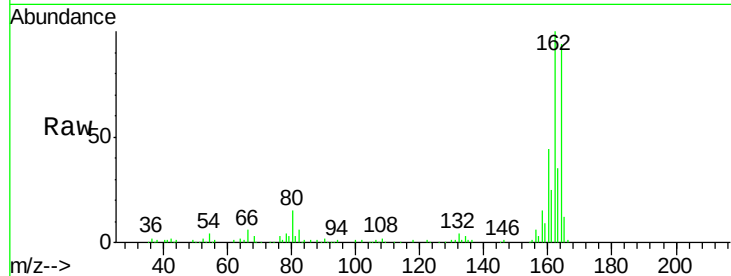
Tgt Ion:164 Resp: 142689

Ion Ratio Lower Upper

164 100

162 105.9 82.0 123.0

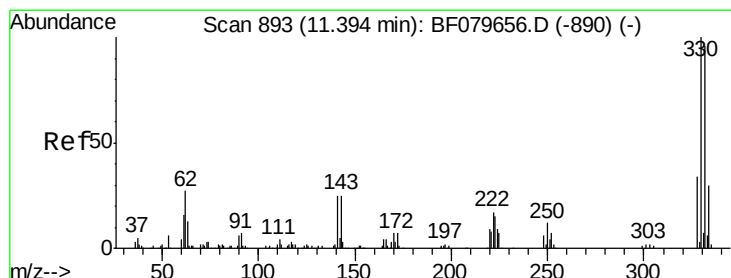
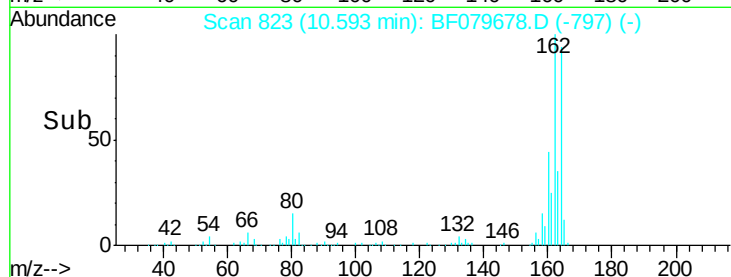
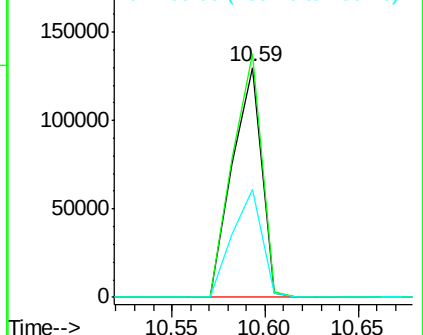
160 47.1 35.9 53.9



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: 14.03 ng

RT: 11.38 min Scan# 892

Delta R.T. -0.01 min

Lab File: BF079678.D

Acq: 4 Jun 2015 00:38

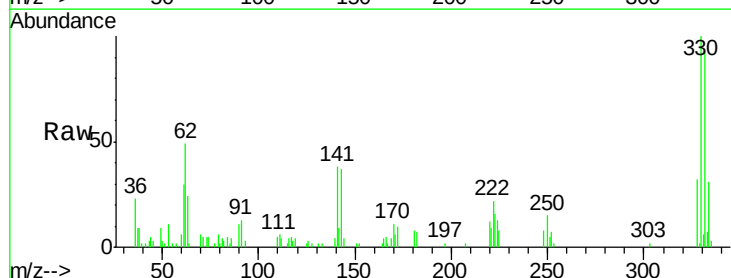
Tgt Ion:330 Resp: 16517

Ion Ratio Lower Upper

330 100

332 92.0 77.3 115.9

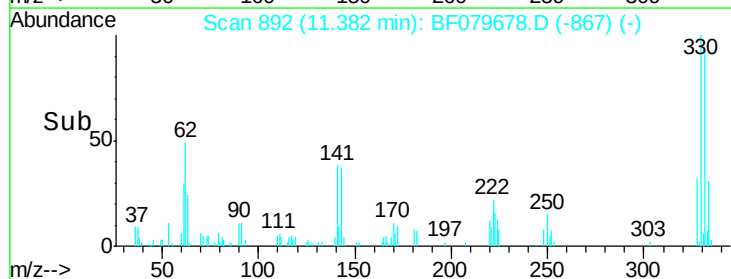
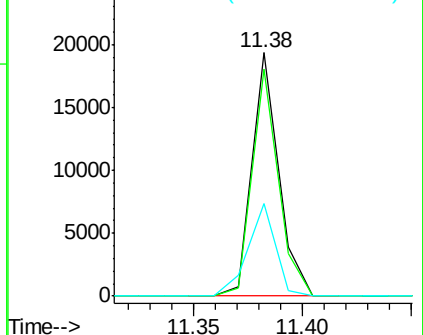
141 39.6 27.4 41.2

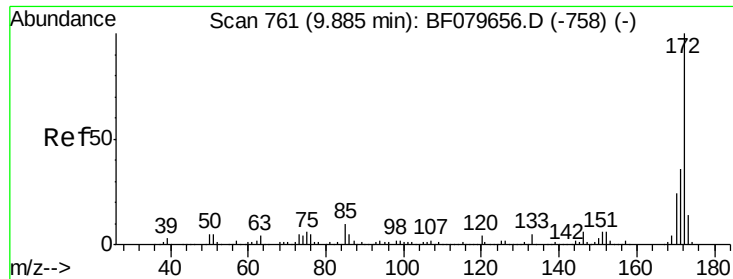


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

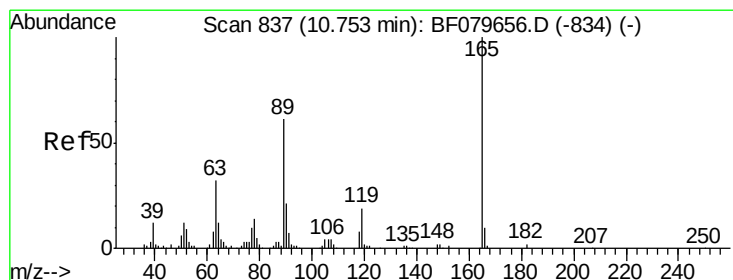
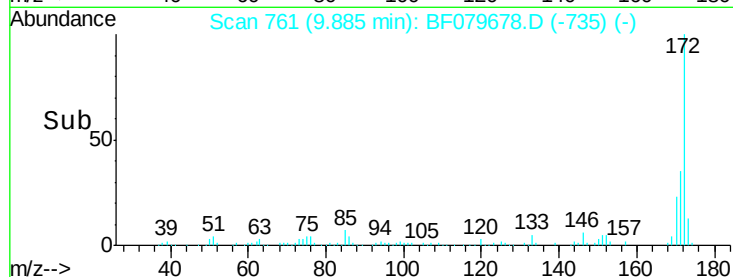
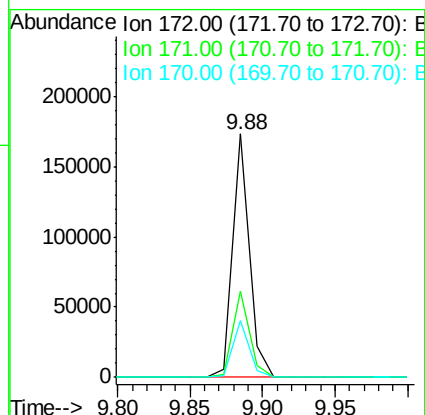
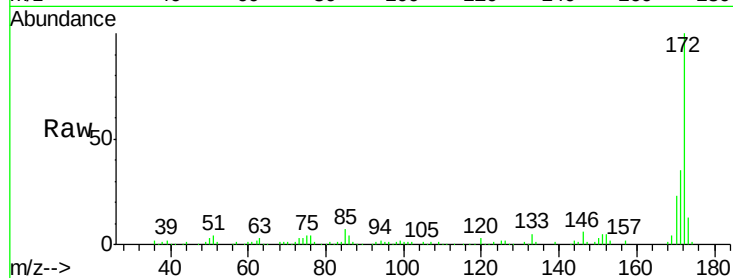




#44
 2-Fluorobiphenyl
 Concen: 8.90 ng
 RT: 9.88 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BF079678.D
 Acq: 4 Jun 2015 00:38

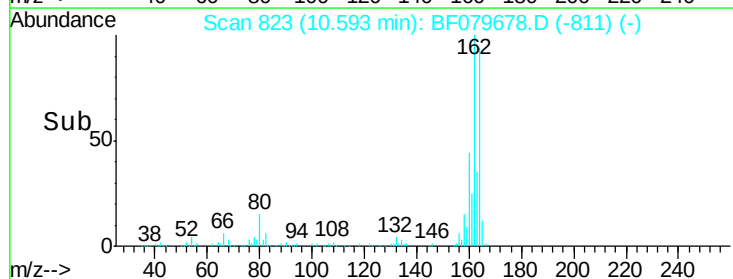
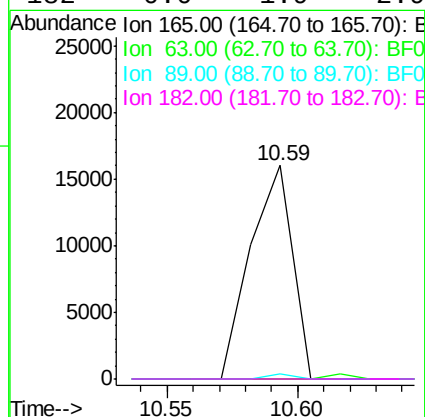
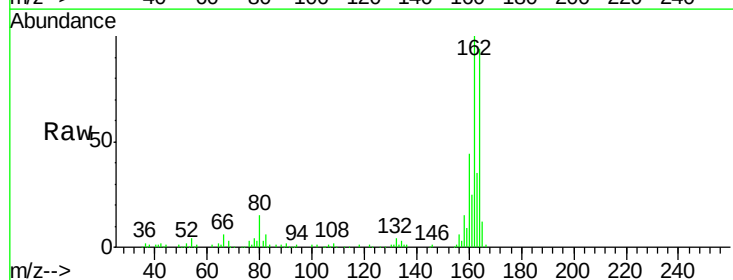
Instrument :
 BNA_F
 ClientSampleId :
 SB-15D

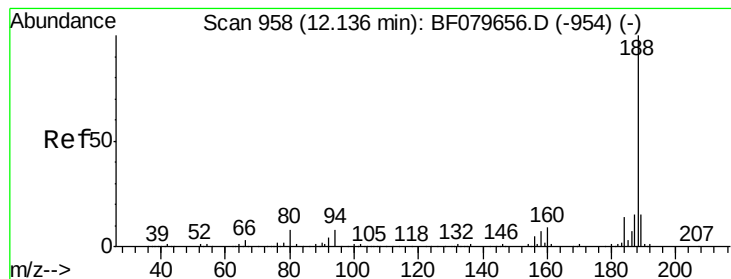
Tgt Ion:172 Resp: 139270
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.8 43.2
 170 23.2 19.2 28.8



#56
 2,4-Dinitrotoluene
 Concen: 12.48 ng
 RT: 10.59 min Scan# 823
 Delta R.T. -0.16 min
 Lab File: BF079678.D
 Acq: 4 Jun 2015 00:38

Tgt Ion:165 Resp: 17897
 Ion Ratio Lower Upper
 165 100
 63 0.0 25.5 38.3#
 89 2.4 48.5 72.7#
 182 0.0 1.9 2.9#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.10 min Scan# 955

Delta R.T. -0.03 min

Lab File: BF079678.D

Acq: 4 Jun 2015 00:38

Instrument :

BNA_F

ClientSampleId :

SB-15D

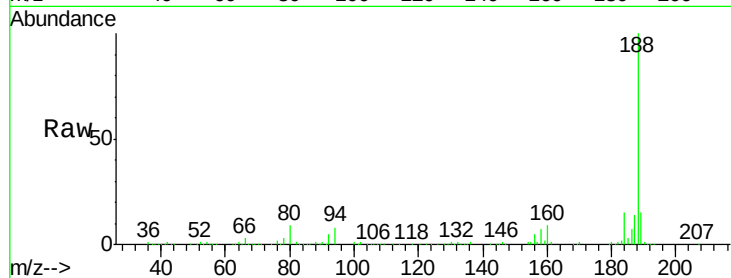
Tgt Ion:188 Resp: 296035

Ion Ratio Lower Upper

188 100

94 8.0 6.1 9.1

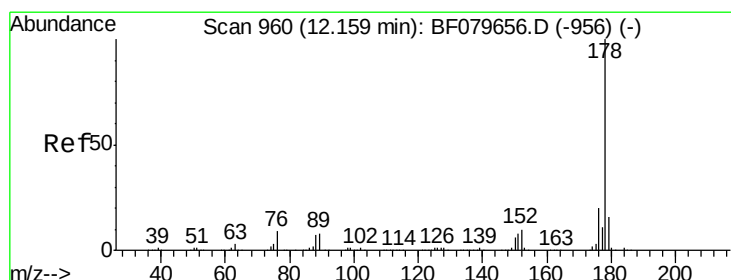
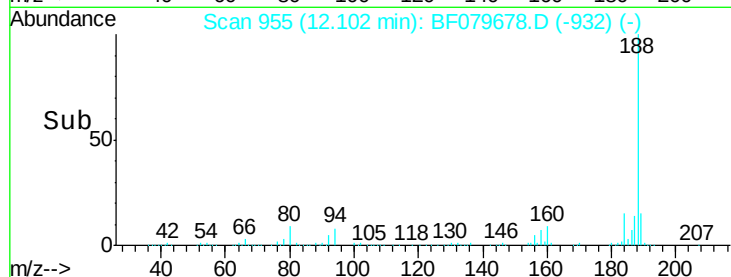
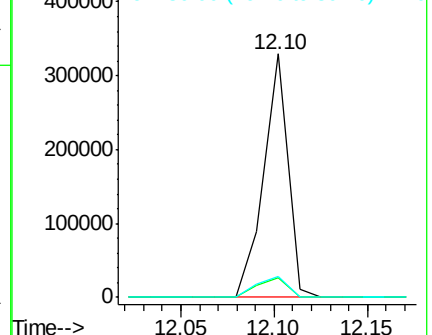
80 8.5 6.2 9.2



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: 4.40 ng

RT: 12.12 min Scan# 957

Delta R.T. -0.03 min

Lab File: BF079678.D

Acq: 4 Jun 2015 00:38

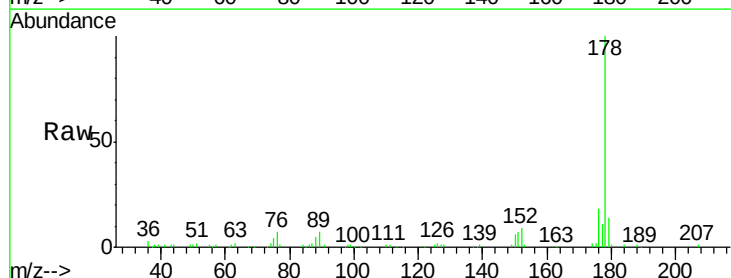
Tgt Ion:178 Resp: 72023

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

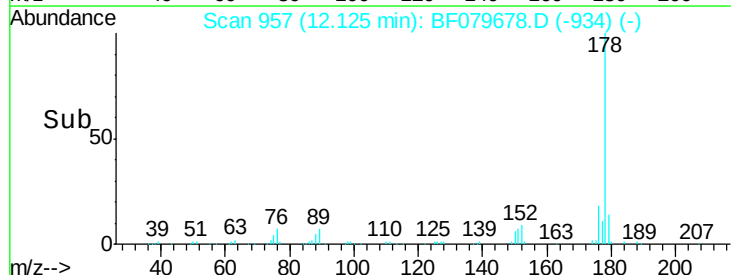
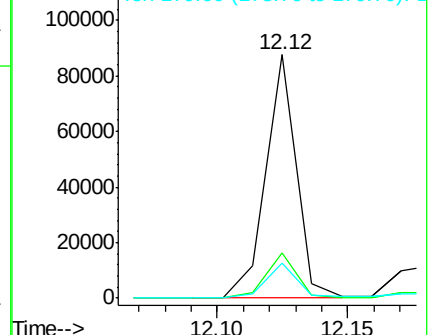
179 14.5 12.7 19.1

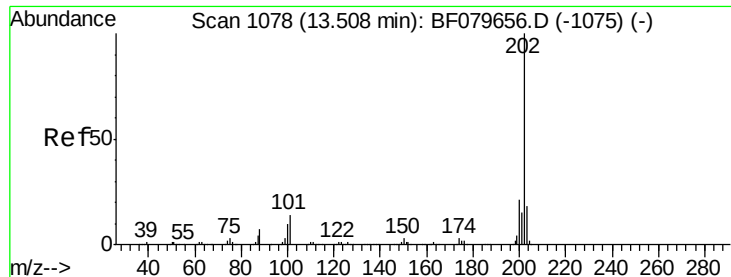


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.04 ng

RT: 13.38 min Scan# 1067

Delta R.T. -0.13 min

Lab File: BF079678.D

Acq: 4 Jun 2015 00:38

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SB-15D

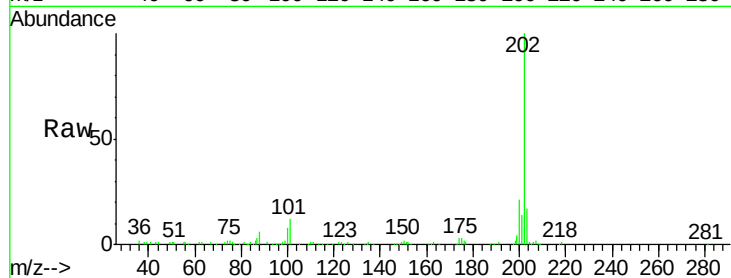
Tgt Ion: 202 Resp: 106549

Ion Ratio Lower Upper

202 100

101 11.7 0.0 34.0

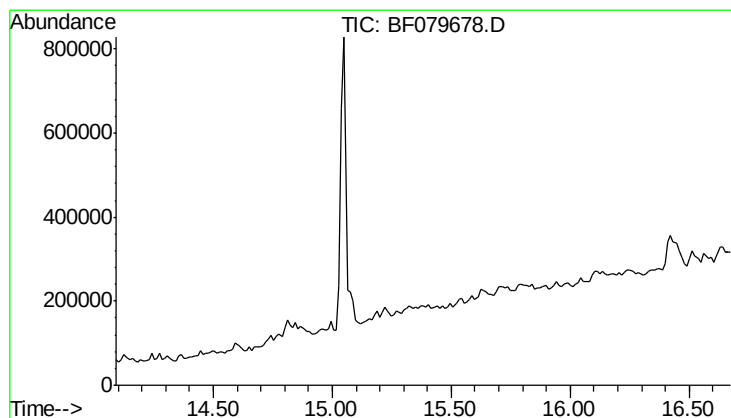
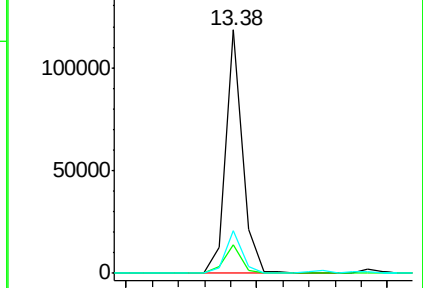
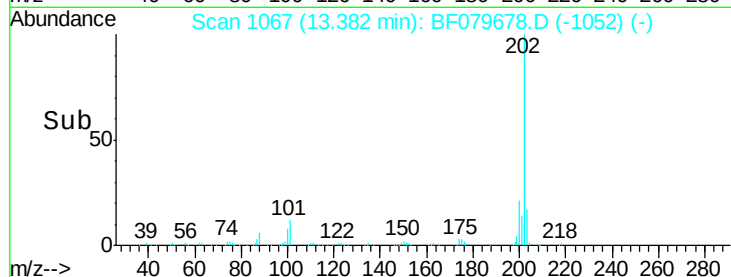
203 17.4 0.0 37.9



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: 15.38 min

Lab File: BF079678.D

Acq: 4 Jun 2015 00:38

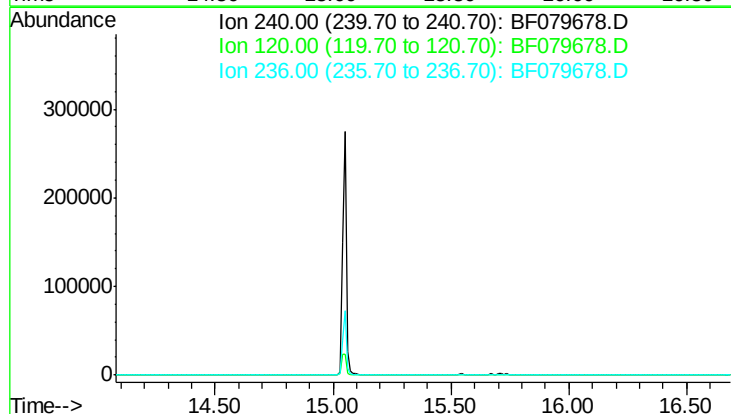
Tgt Ion: 240

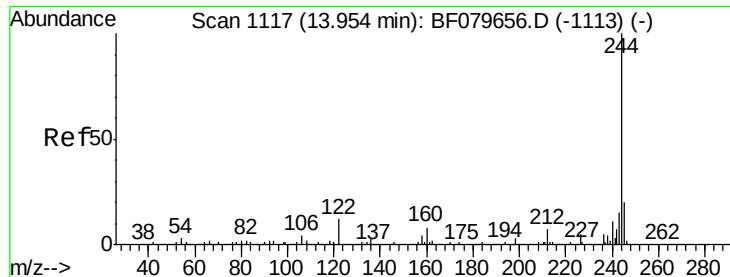
Sig Exp Ratio

240 100

120 8.0

236 25.3





#78

Terphenyl-d14

Concen: 0.00 ng

RT: 13.78 min Scan# 1102

Delta R.T. -0.17 min

Lab File: BF079678.D

Acq: 4 Jun 2015 00:38

Instrument :

BNA_F

ClientSampleId :

SB-15D

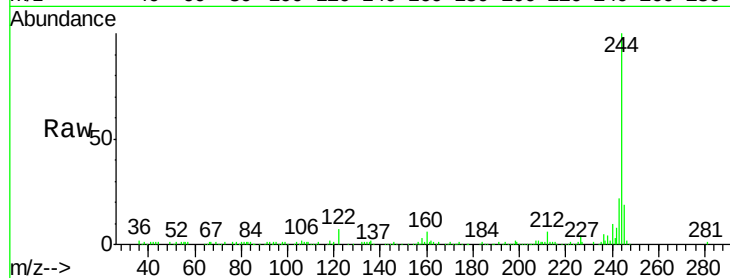
Tgt Ion:244 Resp: 157463

Ion Ratio Lower Upper

244 100

212 6.3 5.9 8.9

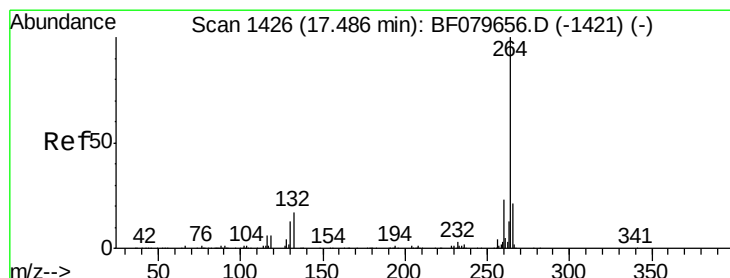
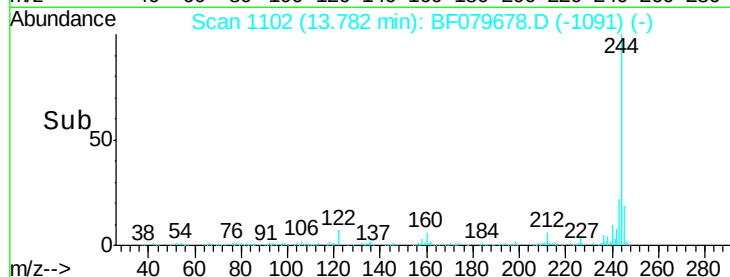
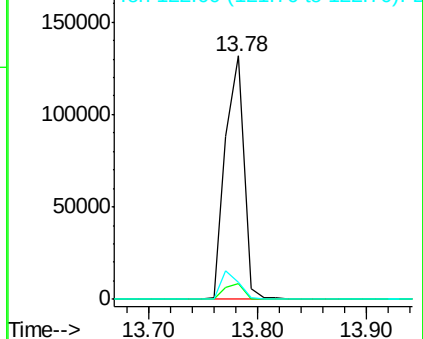
122 7.0 9.8 14.6#



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: 17.49 min Scan# 1426

Delta R.T. -0.00 min

Lab File: BF079678.D

Acq: 4 Jun 2015 00:38

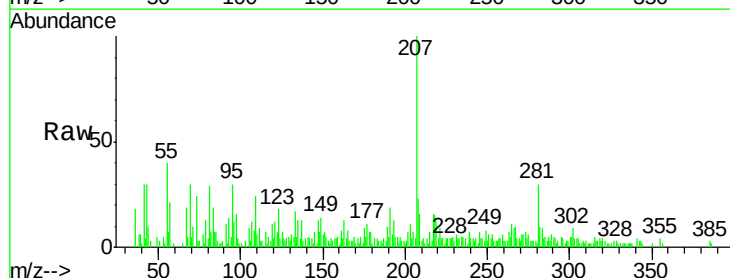
Tgt Ion:264 Resp: 1517

Ion Ratio Lower Upper

264 100

260 62.6 18.8 28.2#

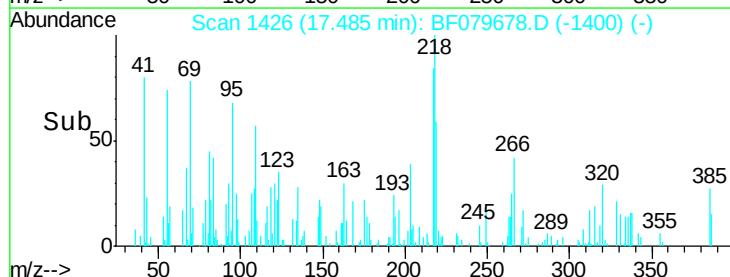
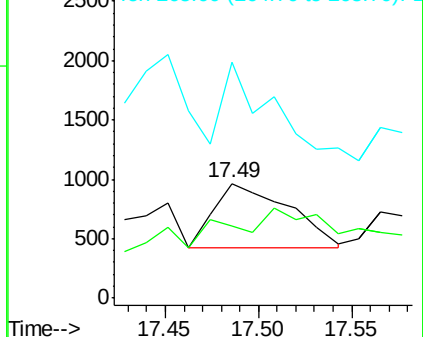
265 204.9 17.4 26.0#

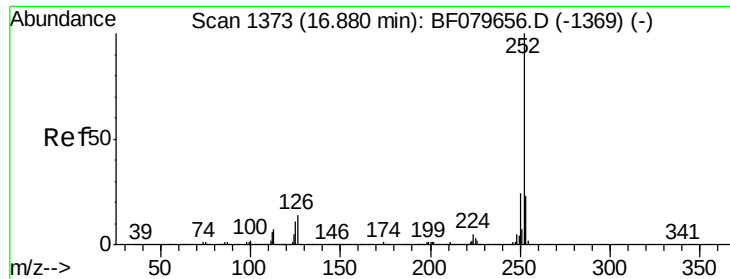


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

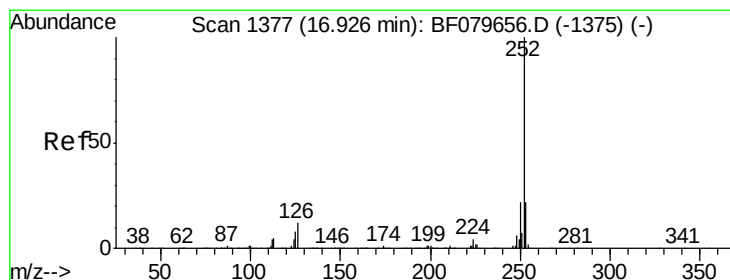
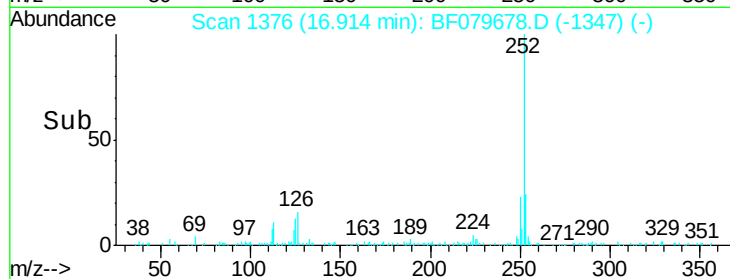
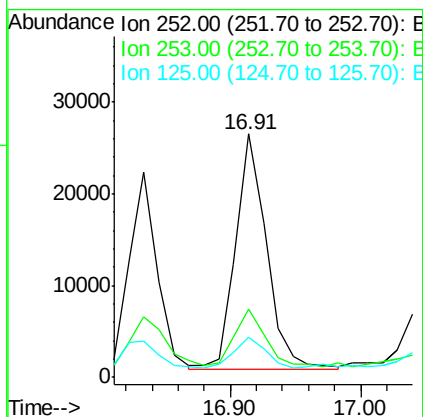
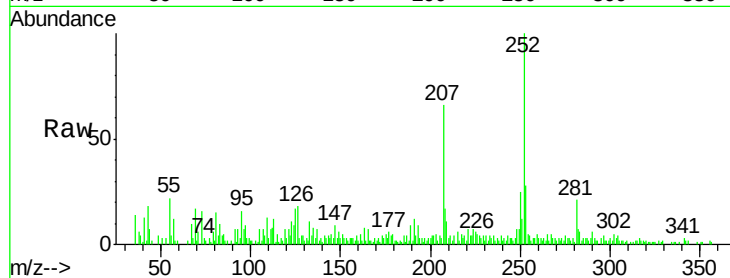




#87
Benzo(b)fluoranthene
Concen: 541.73 ng
RT: 16.91 min Scan# 1376
Delta R.T. 0.03 min
Lab File: BF079678.D
Acq: 4 Jun 2015 00:38

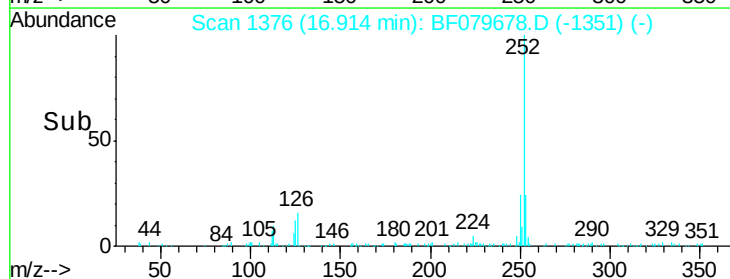
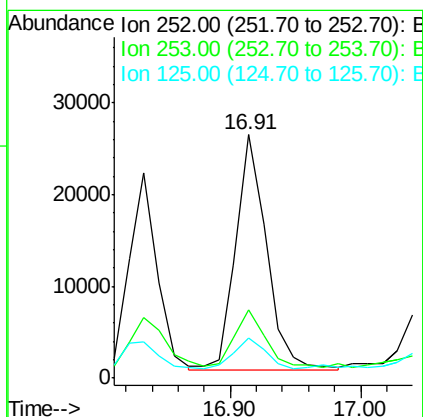
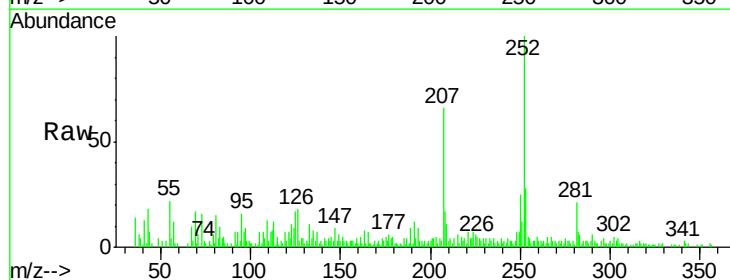
Instrument :
BNA_F
ClientSampleId :
SB-15D

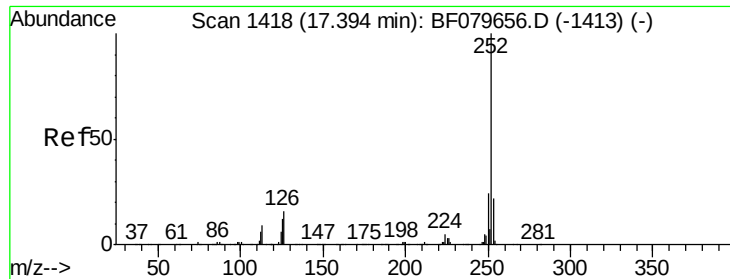
Tgt Ion:252 Resp: 42467
Ion Ratio Lower Upper
252 100
253 27.9 18.0 27.0#
125 16.7 8.7 13.1#



#88
Benzo(k)fluoranthene
Concen: 462.38 ng
RT: 16.91 min Scan# 1376
Delta R.T. -0.01 min
Lab File: BF079678.D
Acq: 4 Jun 2015 00:38

Tgt Ion:252 Resp: 42467
Ion Ratio Lower Upper
252 100
253 27.9 17.4 26.2#
125 16.7 7.1 10.7#





#89

Benzo(a)pyrene

Concen: 5.19 ng

RT: 17.38 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF079678.D

Acq: 4 Jun 2015 00:38

Instrument :

BNA_F

ClientSampleId :

SB-15D

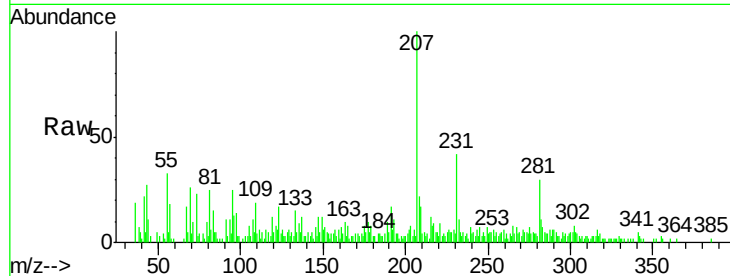
Tgt Ion: 252 Resp: 398

Ion Ratio Lower Upper

252 100

253 127.8 17.9 26.9#

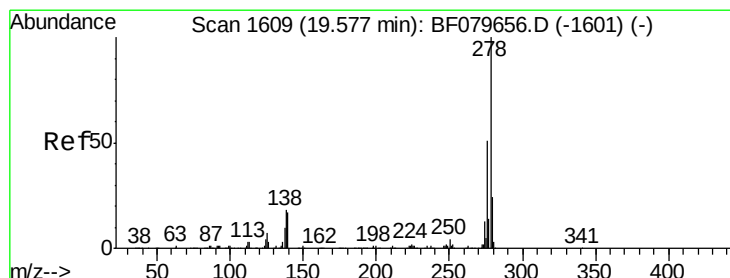
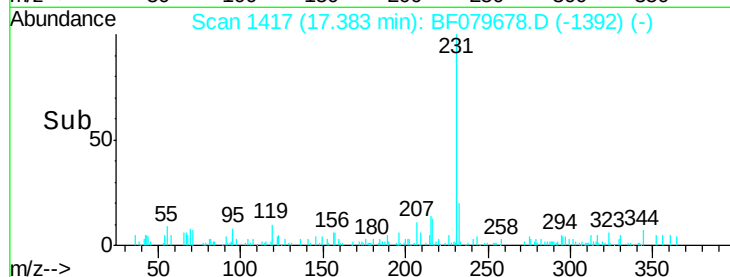
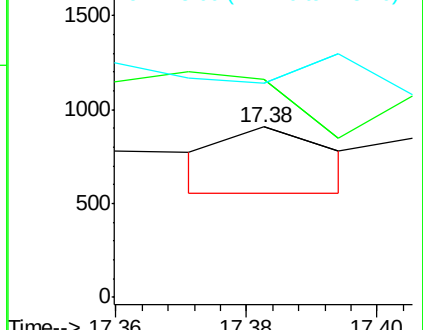
125 125.7 9.4 14.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 8.86 ng

RT: 19.55 min Scan# 1607

Delta R.T. -0.02 min

Lab File: BF079678.D

Acq: 4 Jun 2015 00:38

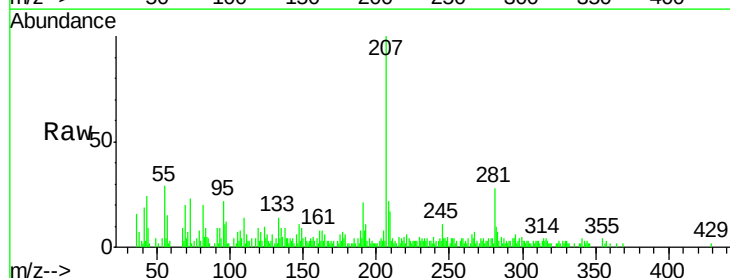
Tgt Ion: 278 Resp: 636

Ion Ratio Lower Upper

278 100

139 105.2 13.7 20.5#

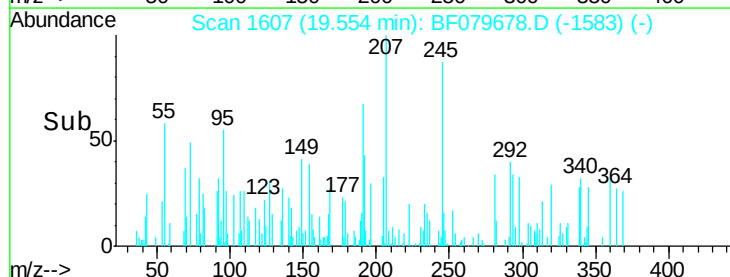
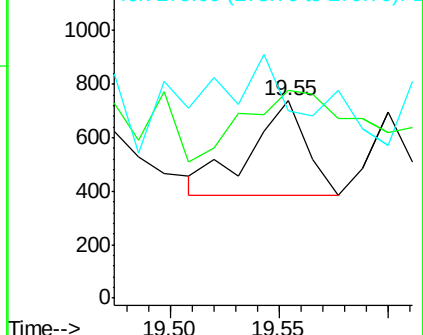
279 95.1 19.6 29.4#

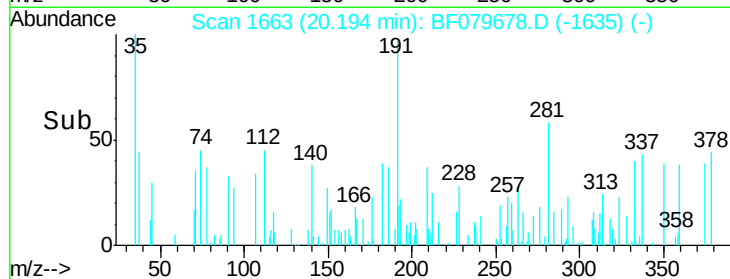
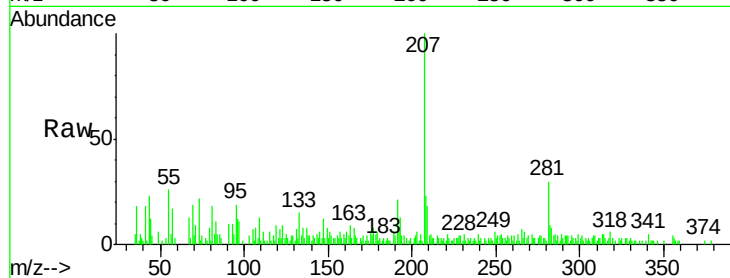
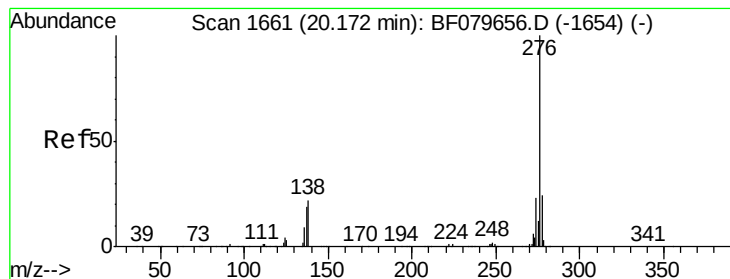


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 4.46 ng

RT: 20.19 min Scan# 1663

Delta R.T. 0.02 min

Lab File: BF079678.D

Acq: 4 Jun 2015 00:38

Instrument :

BNA_F

ClientSampleId :

SB-15D

Tgt Ion: 276 Resp: 340

Ion Ratio Lower Upper

276 100

277 100.9 19.1 28.7#

138 91.7 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

