

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042015\
 Data File : BF078671.D
 Acq On : 21 Apr 2015 6:56
 Operator : TP/IZ
 Sample : G1943-05 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-2

Quant Time: Apr 21 07:42:32 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 16:32:38 2015
 Response via : Initial Calibration

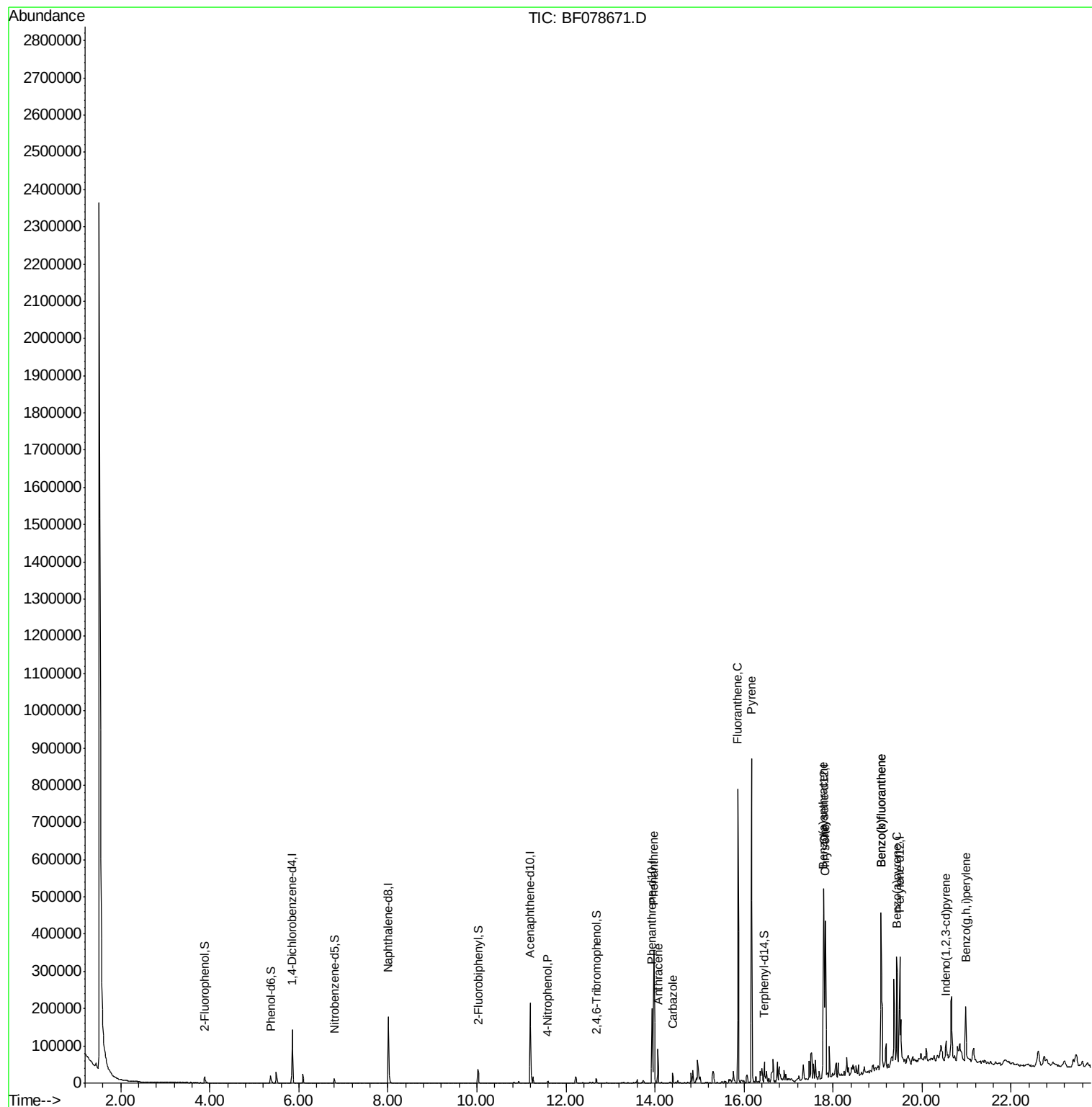
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	32334	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	134643	20.00	ng	-0.01
38) Acenaphthene-d10	11.20	164	67269	20.00	ng	-0.01
63) Phenanthrene-d10	13.93	188	128055	20.00	ng	-0.01
75) Chrysene-d12	17.79	240	129370	20.00	ng	-0.01
86) Perylene-d12	19.50	264	128141	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.88	112	10327	5.27	ng	0.01
7) Phenol-d6	5.37	99	13844	5.63	ng	0.01
23) Nitrobenzene-d5	6.80	82	8273	3.72	ng	0.00
41) 2,4,6-Tribromophenol	12.69	330	2963	5.31	ng	0.00
44) 2-Fluorobiphenyl	10.02	172	21224	4.51	ng	-0.01
78) Terphenyl-d14	16.46	244	23239	4.06	ng	-0.01
Target Compounds						Qvalue
55) 4-Nitrophenol	11.59	139	1907	4.88	ng	# 18
70) Phenanthrene	13.98	178	198649	26.82	ng	99
71) Anthracene	14.07	178	52573	7.20	ng	100
72) Carbazole	14.40	167	18860	2.76	ng	96
74) Fluoranthene	15.86	202	424688	54.37	ng	97
77) Pyrene	16.17	202	419500	51.65	ng	# 95
80) Benzo(a)anthracene	17.78	228	213597	27.75	ng	98
82) Chrysene	17.83	228	173823	24.04	ng	98
85) Indeno(1,2,3-cd)pyrene	20.54	276	23759	2.90	ng	100
87) Benzo(b)fluoranthene	19.07	252	315844	39.88	ng	# 95
88) Benzo(k)fluoranthene	19.07	252	311488	44.26	ng	97
89) Benzo(a)pyrene	19.44	252	161745	23.40	ng	97
91) Benzo(g,h,i)perylene	20.98	276	104893	15.12	ng	94

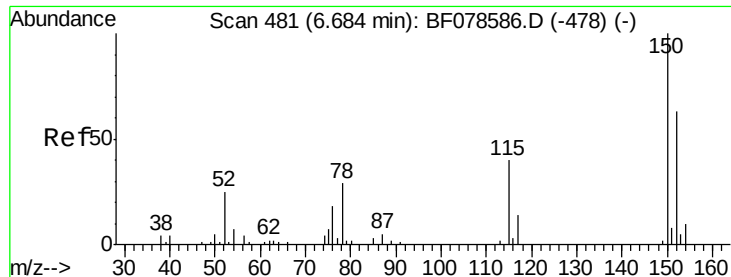
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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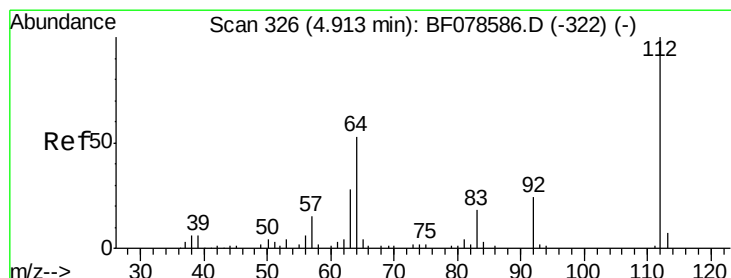
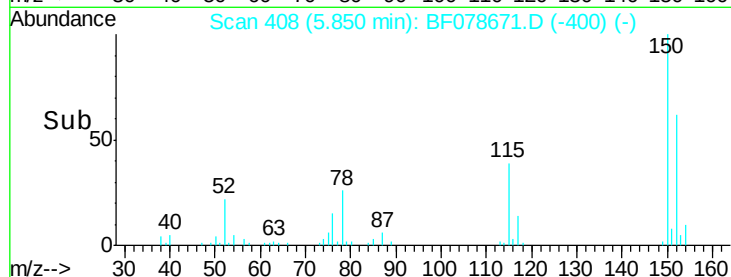
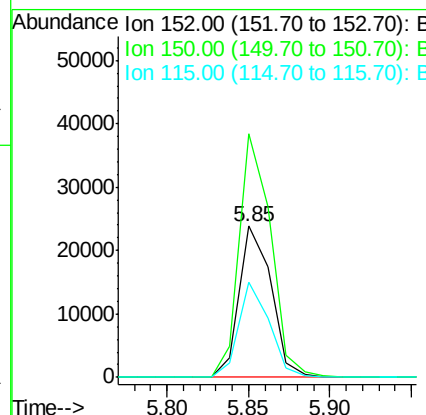
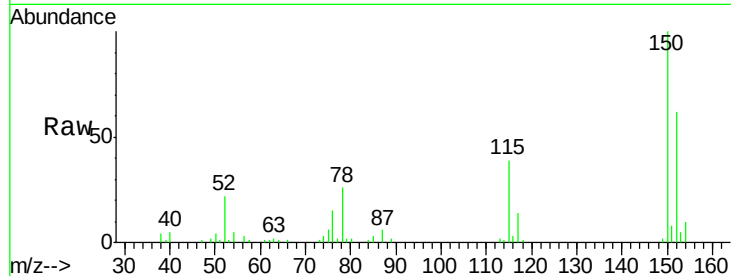




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.85 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: BF078671.D
 Acq: 21 Apr 2015 6:56

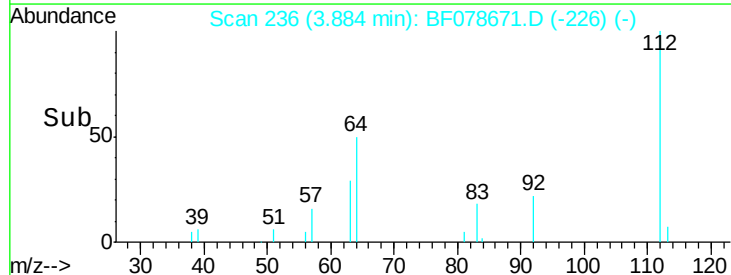
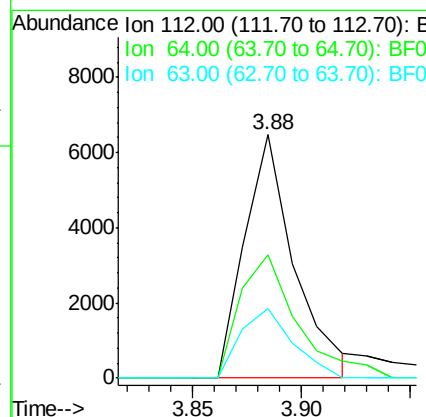
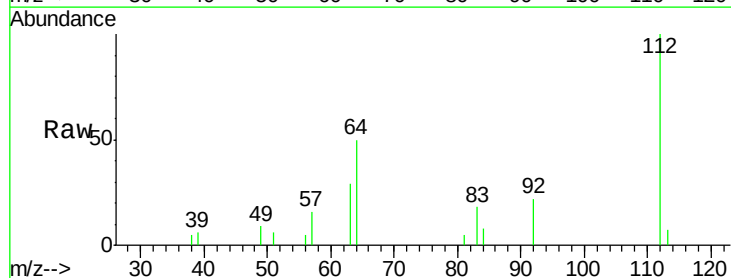
Instrument :
 BNA_F
 ClientSampleId :
 SP-B-2

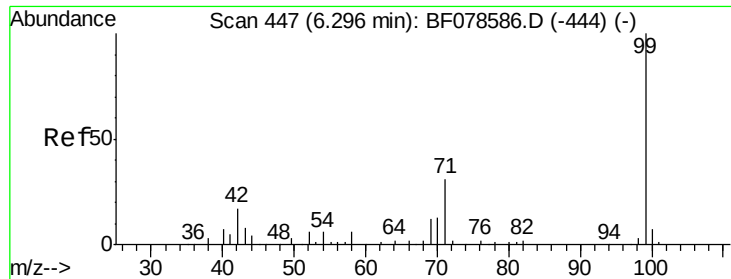
Tgt Ion:152 Resp: 32334
 Ion Ratio Lower Upper
 152 100
 150 161.1 125.9 188.9
 115 63.1 52.7 79.1



#5
 2-Fluorophenol
 Concen: 5.27 ng
 RT: 3.88 min Scan# 236
 Delta R.T. 0.01 min
 Lab File: BF078671.D
 Acq: 21 Apr 2015 6:56

Tgt Ion:112 Resp: 10327
 Ion Ratio Lower Upper
 112 100
 64 50.5 39.9 59.9
 63 28.6 20.2 30.4





#7

Phenol-d6

Concen: 5.63 ng

RT: 5.37 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF078671.D

Acq: 21 Apr 2015 6:56

Instrument :

BNA_F

ClientSampleId :

SP-B-2

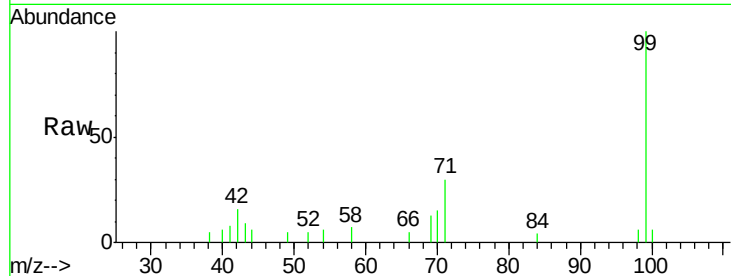
Tgt Ion: 99 Resp: 13844

Ion Ratio Lower Upper

99 100

42 16.3 14.8 22.2

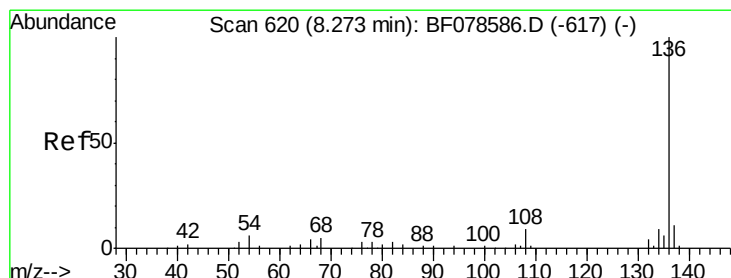
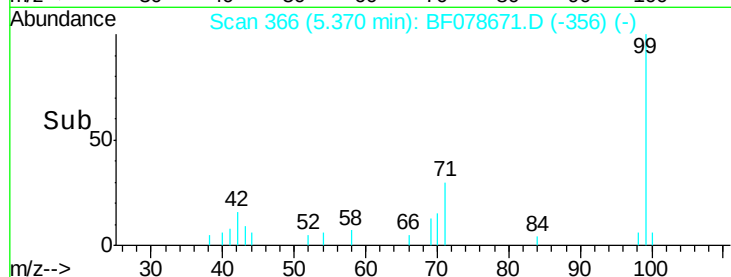
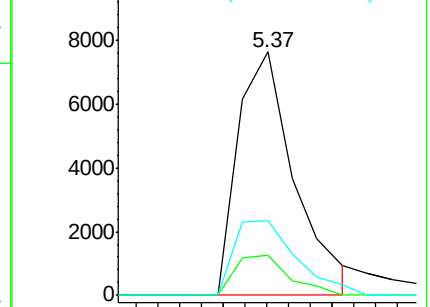
71 30.4 26.6 39.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF078671.D

Acq: 21 Apr 2015 6:56

Tgt Ion: 136 Resp: 134643

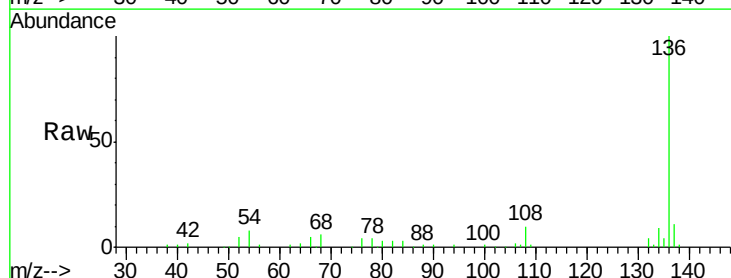
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.9 7.0 10.6

68 6.3 5.4 8.2

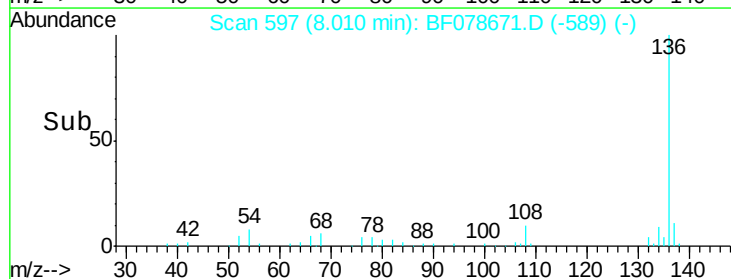
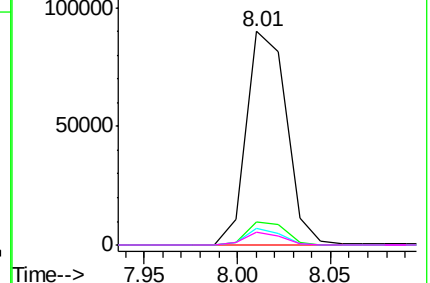


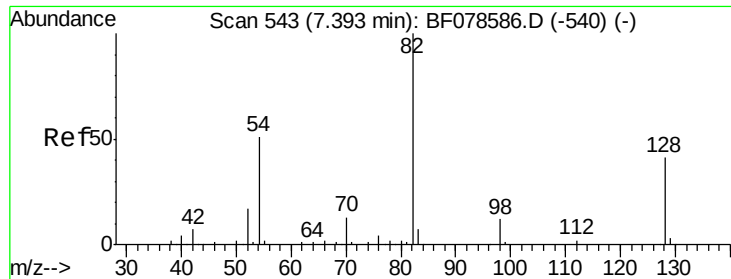
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

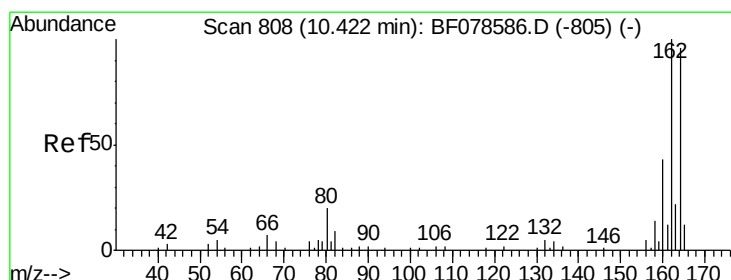
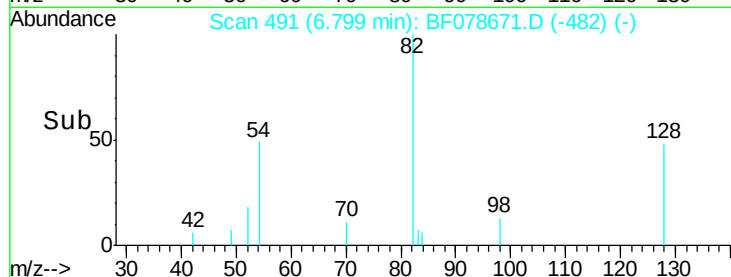
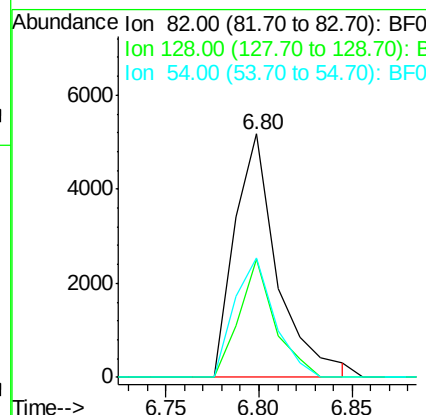
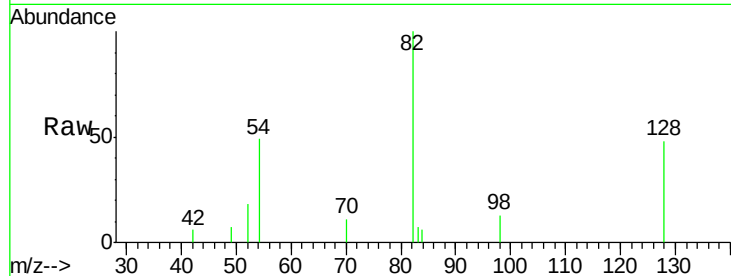




#23
 Nitrobenzene-d5
 Concen: 3.72 ng
 RT: 6.80 min Scan# 491
 Delta R.T. 0.00 min
 Lab File: BF078671.D
 Acq: 21 Apr 2015 6:56

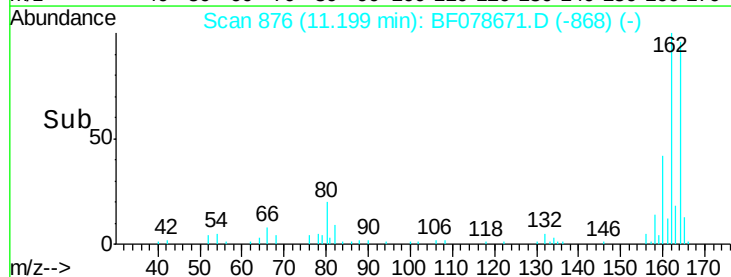
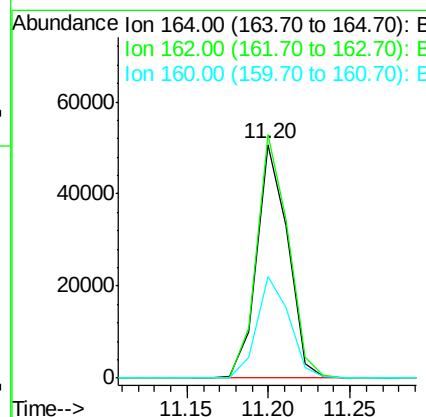
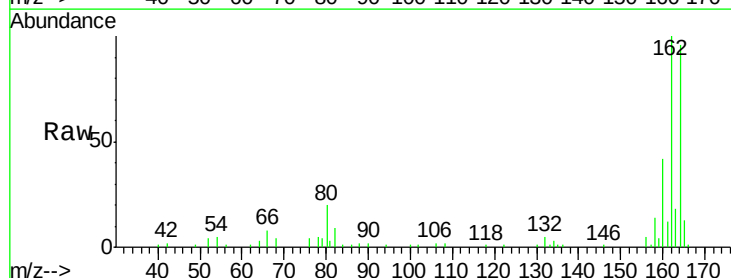
Instrument :
 BNA_F
 ClientSampleId :
 SP-B-2

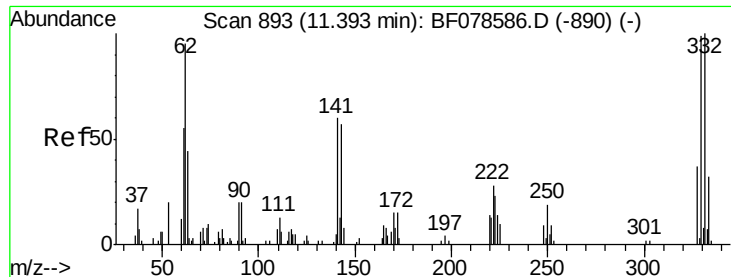
Tgt Ion: 82 Resp: 8273
 Ion Ratio Lower Upper
 82 100
 128 48.4 31.8 47.8#
 54 48.9 41.5 62.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: BF078671.D
 Acq: 21 Apr 2015 6:56

Tgt Ion: 164 Resp: 67269
 Ion Ratio Lower Upper
 164 100
 162 104.2 82.2 123.2
 160 43.4 34.7 52.1

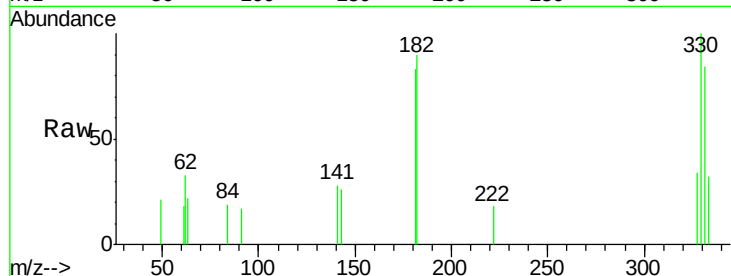




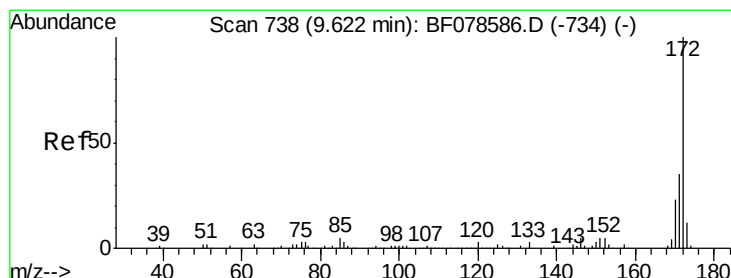
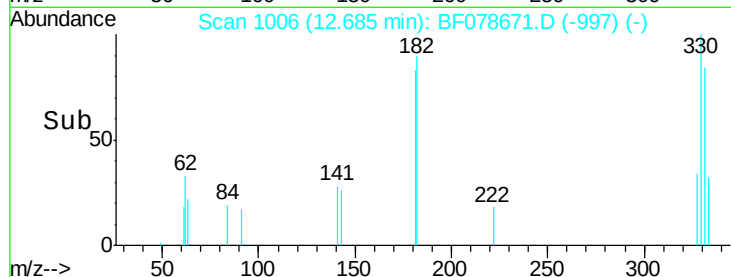
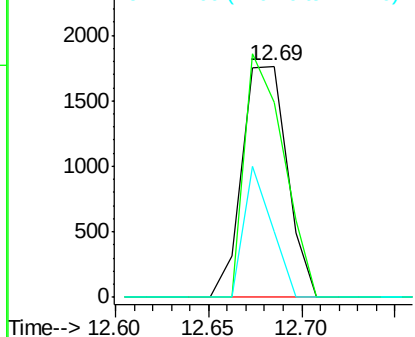
#41
 2,4,6-Tribromophenol
 Concen: 5.31 ng
 RT: 12.69 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: BF078671.D
 Acq: 21 Apr 2015 6:56

Instrument :
 BNA_F
 ClientSampled :
 SP-B-2

Tgt Ion: 330 Resp: 2963
 Ion Ratio Lower Upper
 330 100
 332 91.2 78.6 117.8
 141 34.7 31.2 46.8

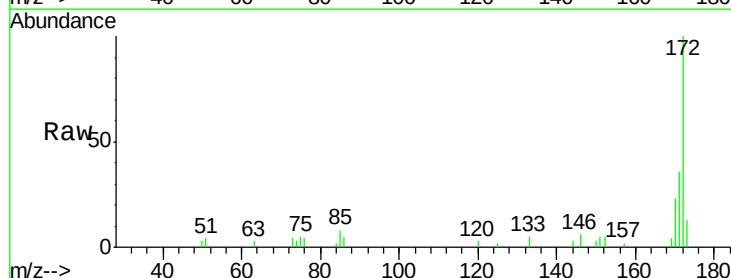


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

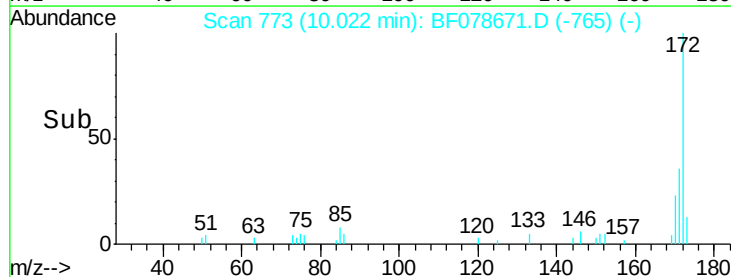
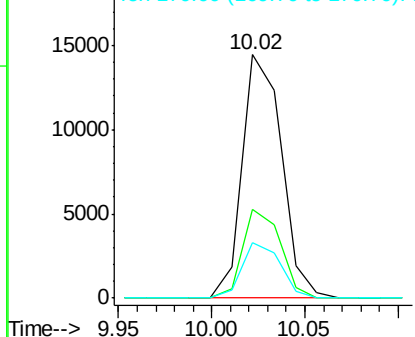


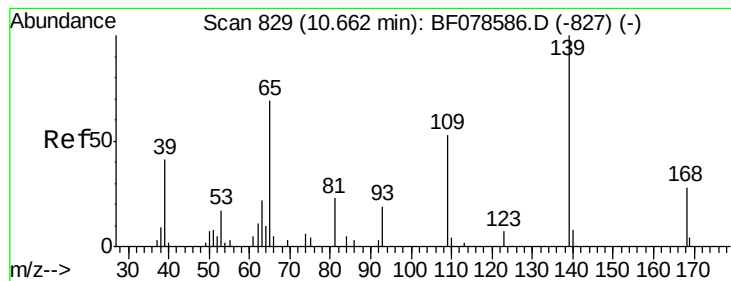
#44
 2-Fluorobiphenyl
 Concen: 4.51 ng
 RT: 10.02 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF078671.D
 Acq: 21 Apr 2015 6:56

Tgt Ion: 172 Resp: 21224
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.6 42.8
 170 22.9 18.5 27.7



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#55

4-Nitrophenol

Concen: 4.88 ng

RT: 11.59 min Scan# 910

Delta R.T. -0.06 min

Lab File: BF078671.D

Acq: 21 Apr 2015 6:56

Instrument :

BNA_F

ClientSampleId :

SP-B-2

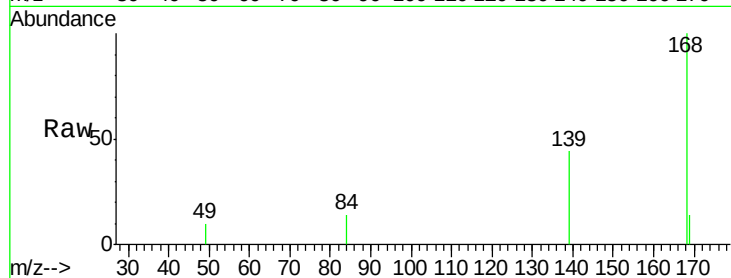
Tgt Ion:139 Resp: 1907

Ion Ratio Lower Upper

139 100

109 0.0 36.7 76.7#

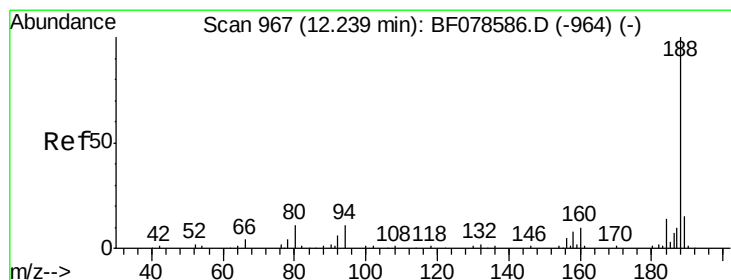
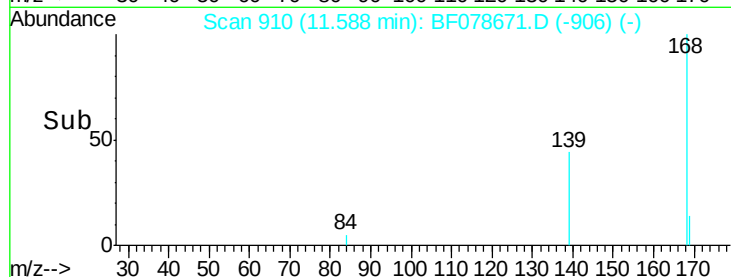
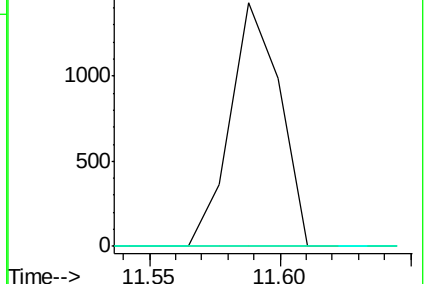
65 0.0 49.9 89.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 13.93 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BF078671.D

Acq: 21 Apr 2015 6:56

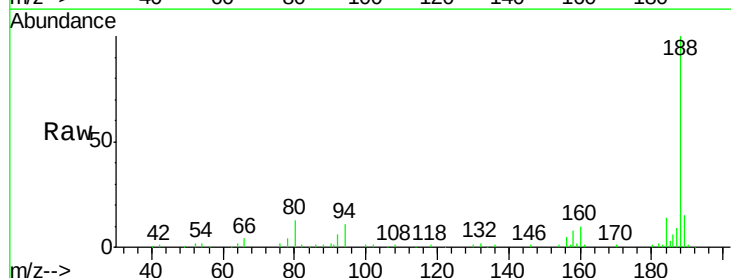
Tgt Ion:188 Resp: 128055

Ion Ratio Lower Upper

188 100

94 11.1 9.0 13.4

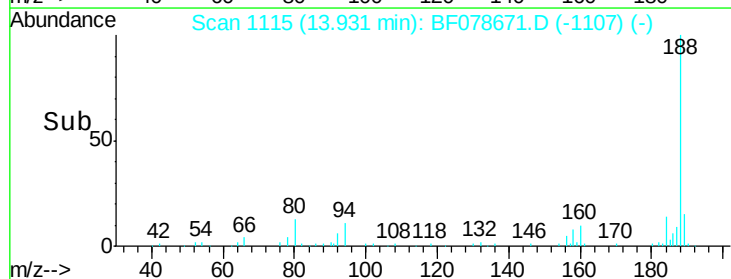
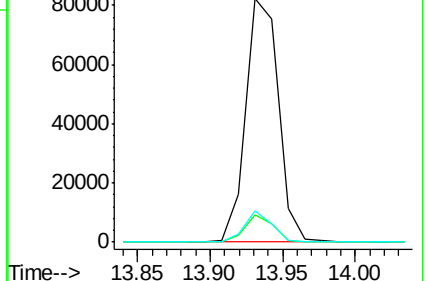
80 12.5 9.5 14.3

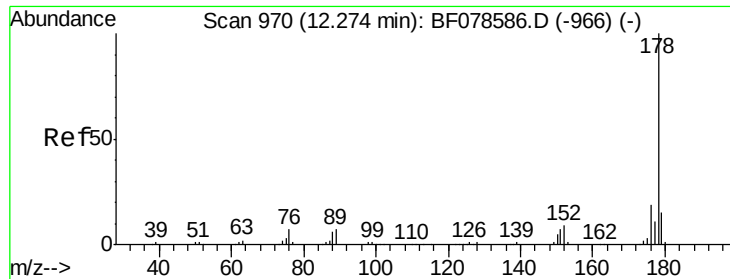


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 26.82 ng

RT: 13.98 min Scan# 1119

Delta R.T. -0.01 min

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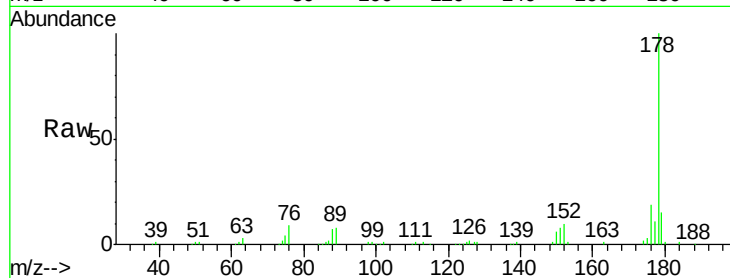
Tgt Ion:178 Resp: 198649

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

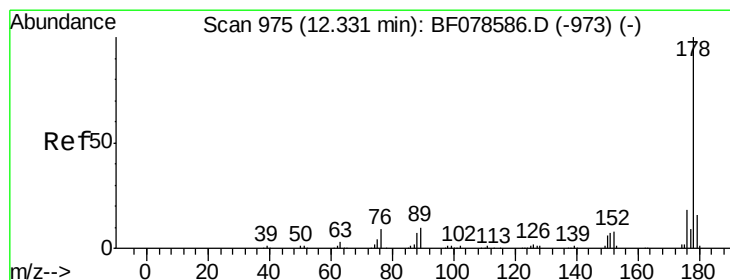
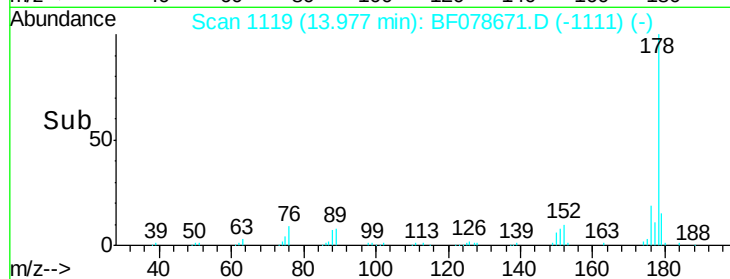
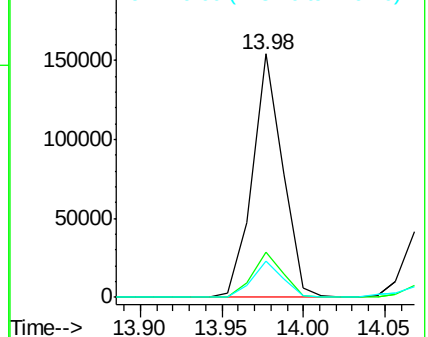
179 15.1 12.2 18.2



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: 7.20 ng

RT: 14.07 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BF078671.D

Acq: 21 Apr 2015 6:56

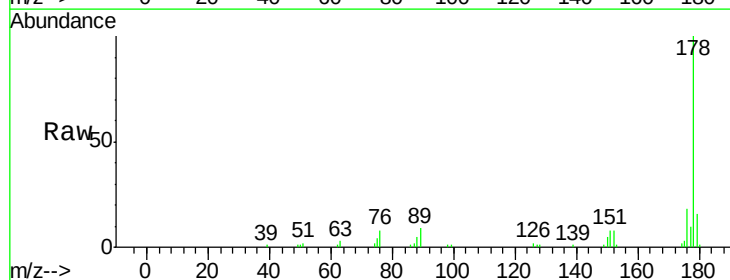
Tgt Ion:178 Resp: 52573

Ion Ratio Lower Upper

178 100

176 18.5 14.8 22.2

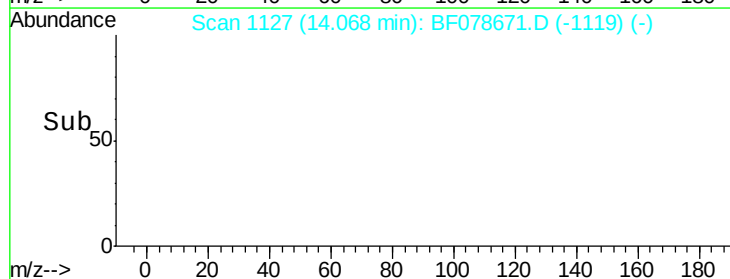
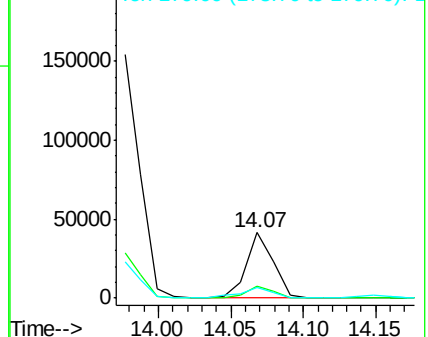
179 15.6 12.4 18.6

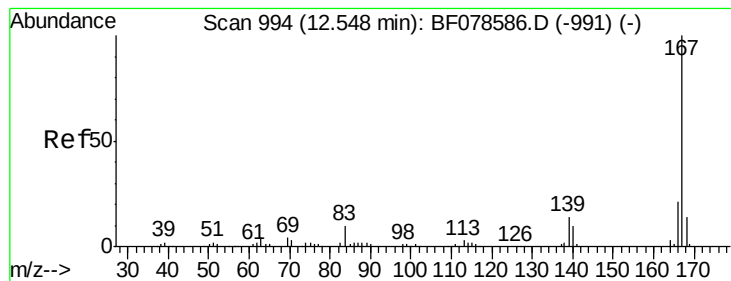


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.76 ng

RT: 14.40 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BF078671.D

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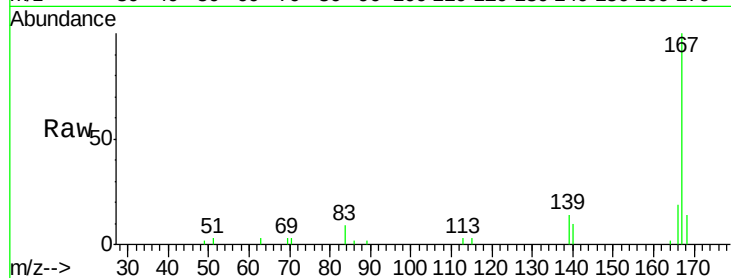
Tgt Ion:167 Resp: 18860

Ion Ratio Lower Upper

167 100

166 19.5 16.8 25.2

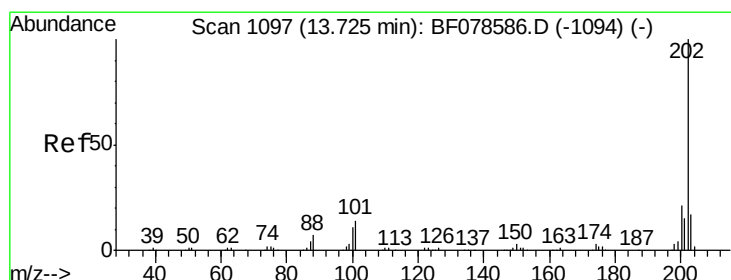
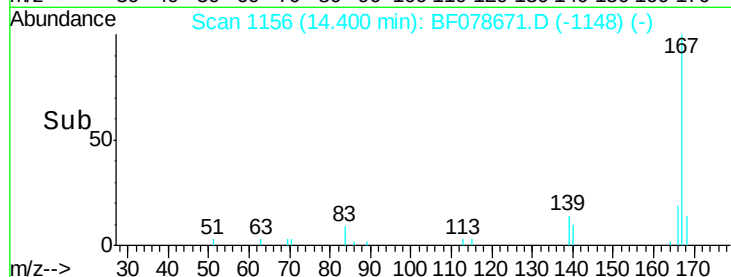
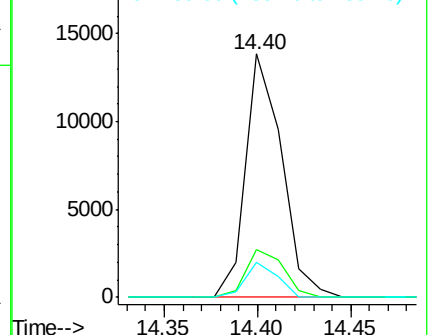
139 14.2 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 54.37 ng

RT: 15.86 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF078671.D

Acq: 21 Apr 2015 6:56

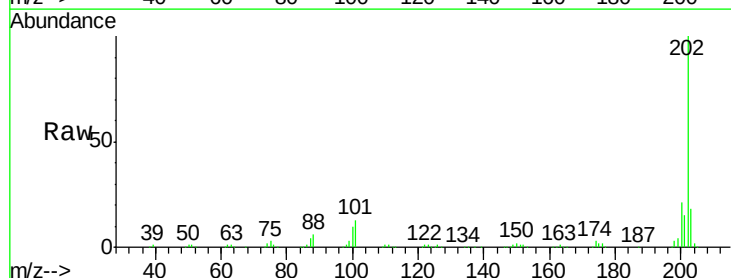
Tgt Ion:202 Resp: 424688

Ion Ratio Lower Upper

202 100

101 13.3 0.0 35.2

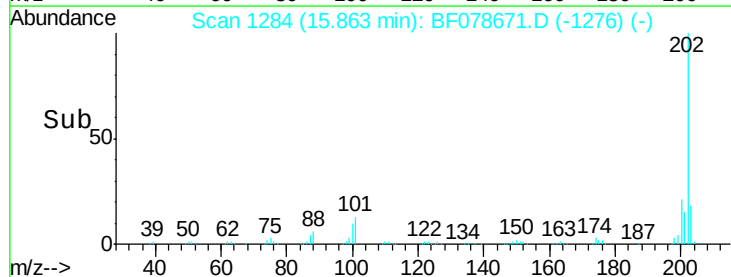
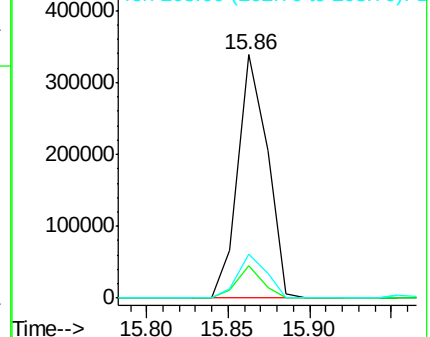
203 17.9 0.0 38.5

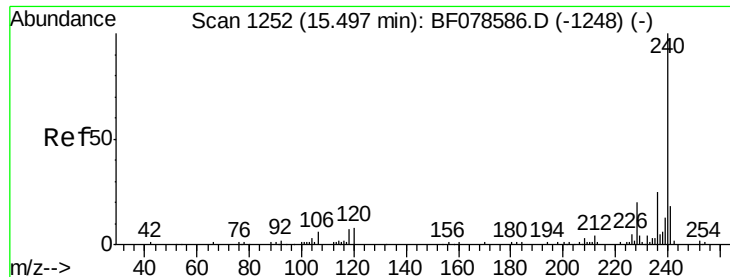


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.79 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF078671.D

Acq: 21 Apr 2015 6:56

Instrument :

BNA_F

ClientSampleId :

SP-B-2

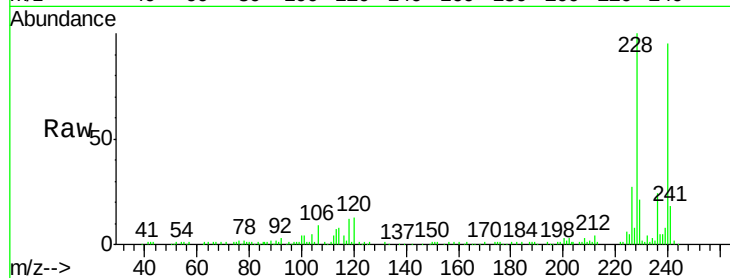
Tgt Ion:240 Resp: 129370

Ion Ratio Lower Upper

240 100

120 13.8 7.1 10.7#

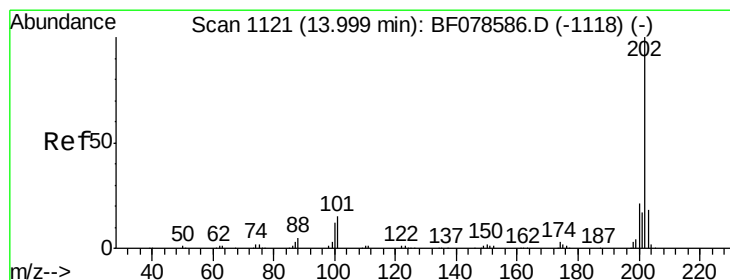
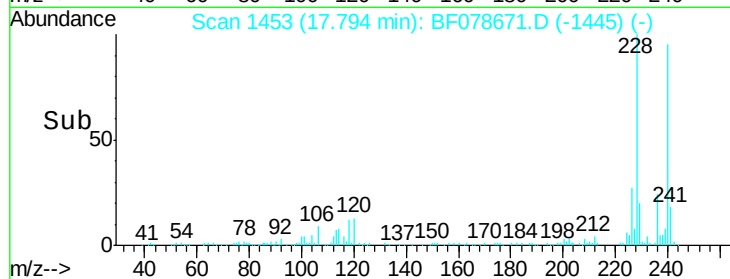
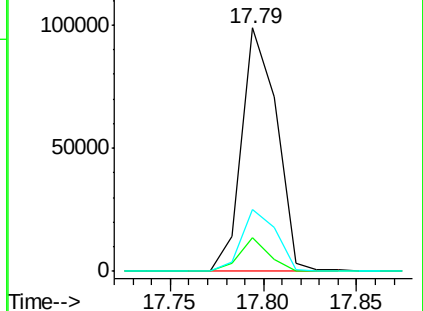
236 25.6 21.4 32.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 51.65 ng

RT: 16.17 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF078671.D

Acq: 21 Apr 2015 6:56

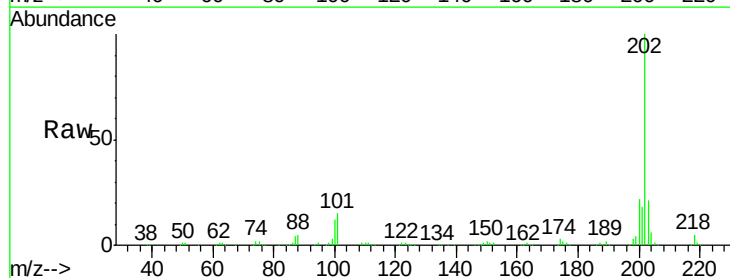
Tgt Ion:202 Resp: 419500

Ion Ratio Lower Upper

202 100

200 21.6 16.3 24.5

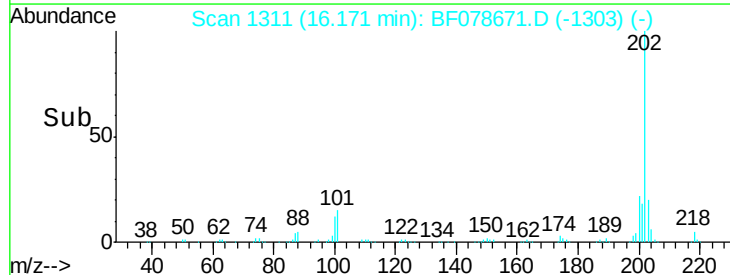
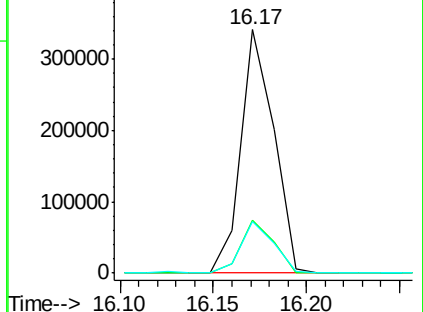
203 21.1 13.8 20.6#

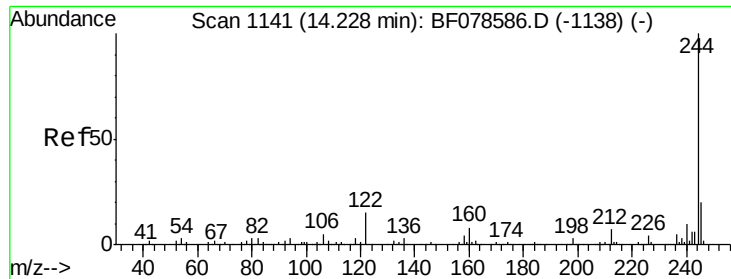


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

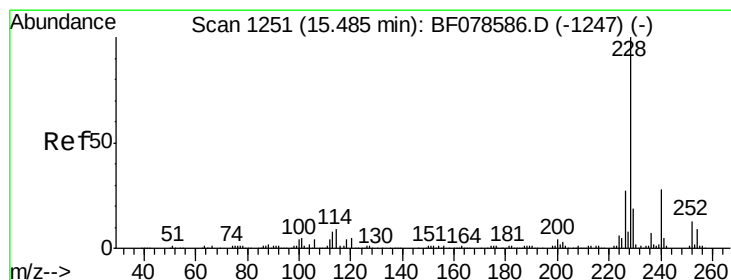
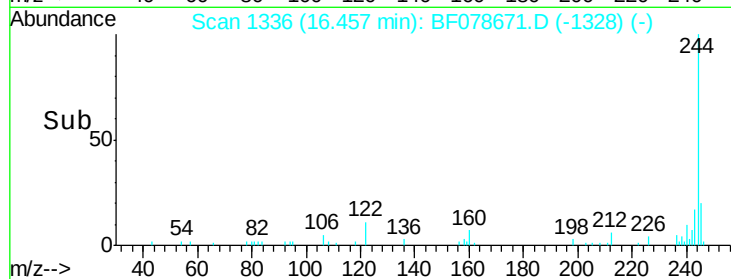
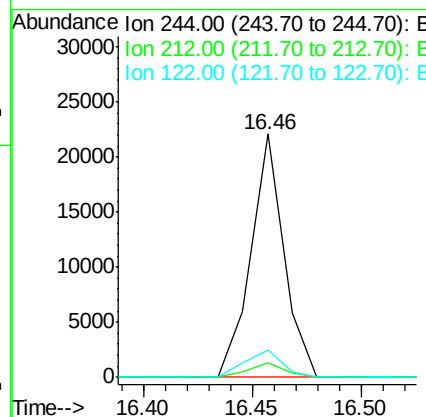
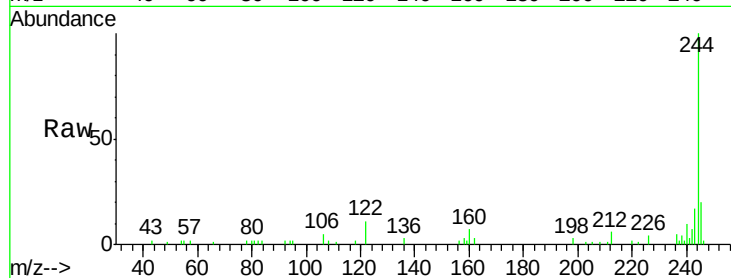




#78
 Terphenyl-d14
 Concen: 4.06 ng
 RT: 16.46 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: BF078671.D
 Acq: 21 Apr 2015 6:56

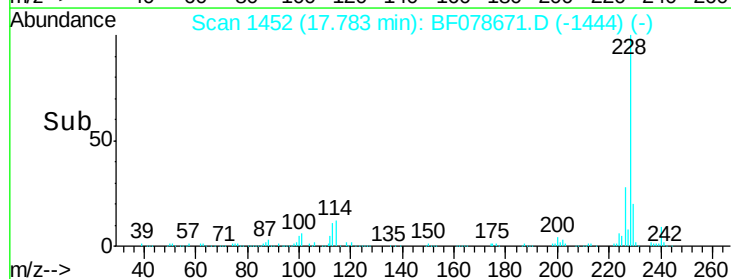
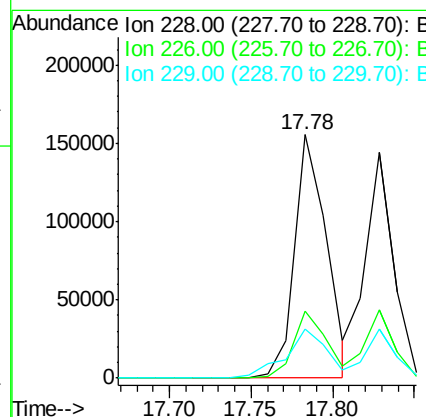
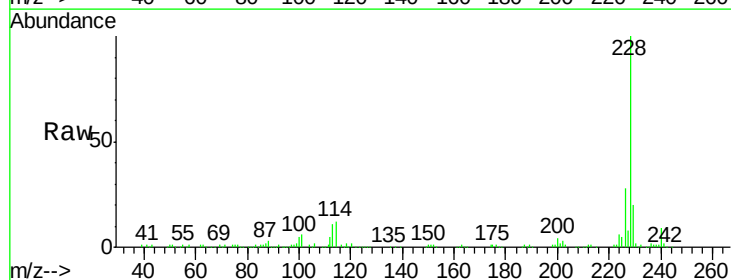
Instrument :
 BNA_F
 ClientSampleId :
 SP-B-2

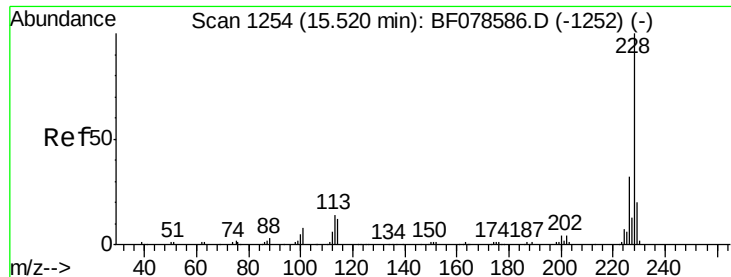
Tgt Ion: 244 Resp: 23239
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.0 7.4
 122 11.1 7.1 10.7#



#80
 Benzo(a)anthracene
 Concen: 27.75 ng
 RT: 17.78 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF078671.D
 Acq: 21 Apr 2015 6:56

Tgt Ion: 228 Resp: 213597
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.3 31.9
 229 20.1 15.4 23.2





#82

Chrysene

Concen: 24.04 ng

RT: 17.83 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BF078671.D

Acq: 21 Apr 2015 6:56

Instrument :

BNA_F

ClientSampleId :

SP-B-2

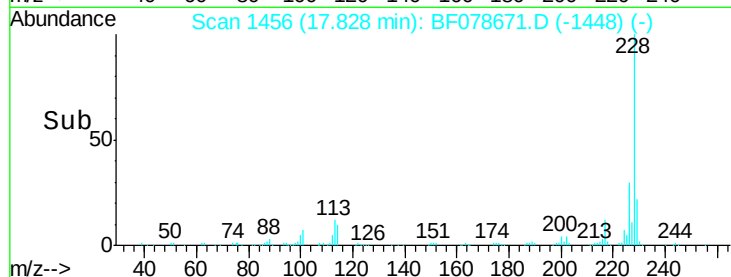
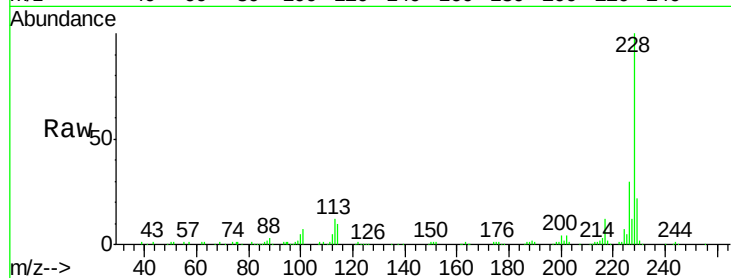
Tgt Ion: 228 Resp: 173823

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.4

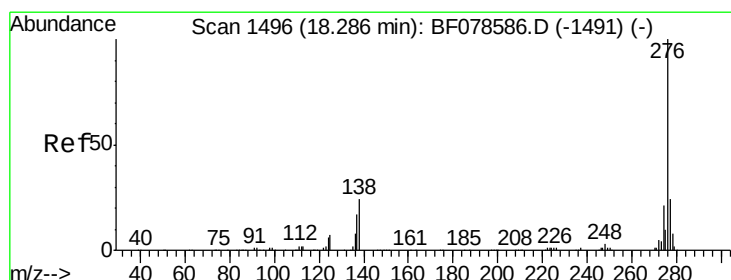
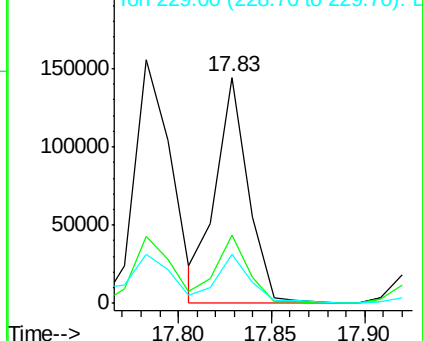
229 21.7 15.8 23.8



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: 2.90 ng

RT: 20.54 min Scan# 1693

Delta R.T. -0.18 min

Lab File: BF078671.D

Acq: 21 Apr 2015 6:56

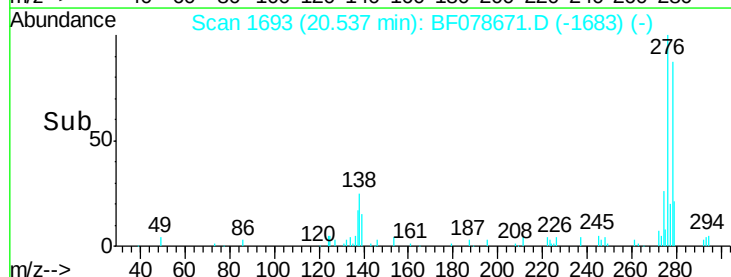
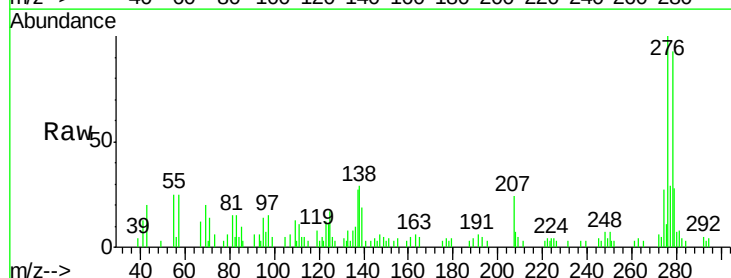
Tgt Ion: 276 Resp: 23759

Ion Ratio Lower Upper

276 100

138 21.2 16.9 25.3

277 20.0 15.8 23.6



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

