

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042115\
 Data File : BF078697.D
 Acq On : 21 Apr 2015 22:09
 Operator : TP/IZ
 Sample : G1938-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-80D

Quant Time: Apr 22 02:27:57 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 00:52:13 2015
 Response via : Initial Calibration

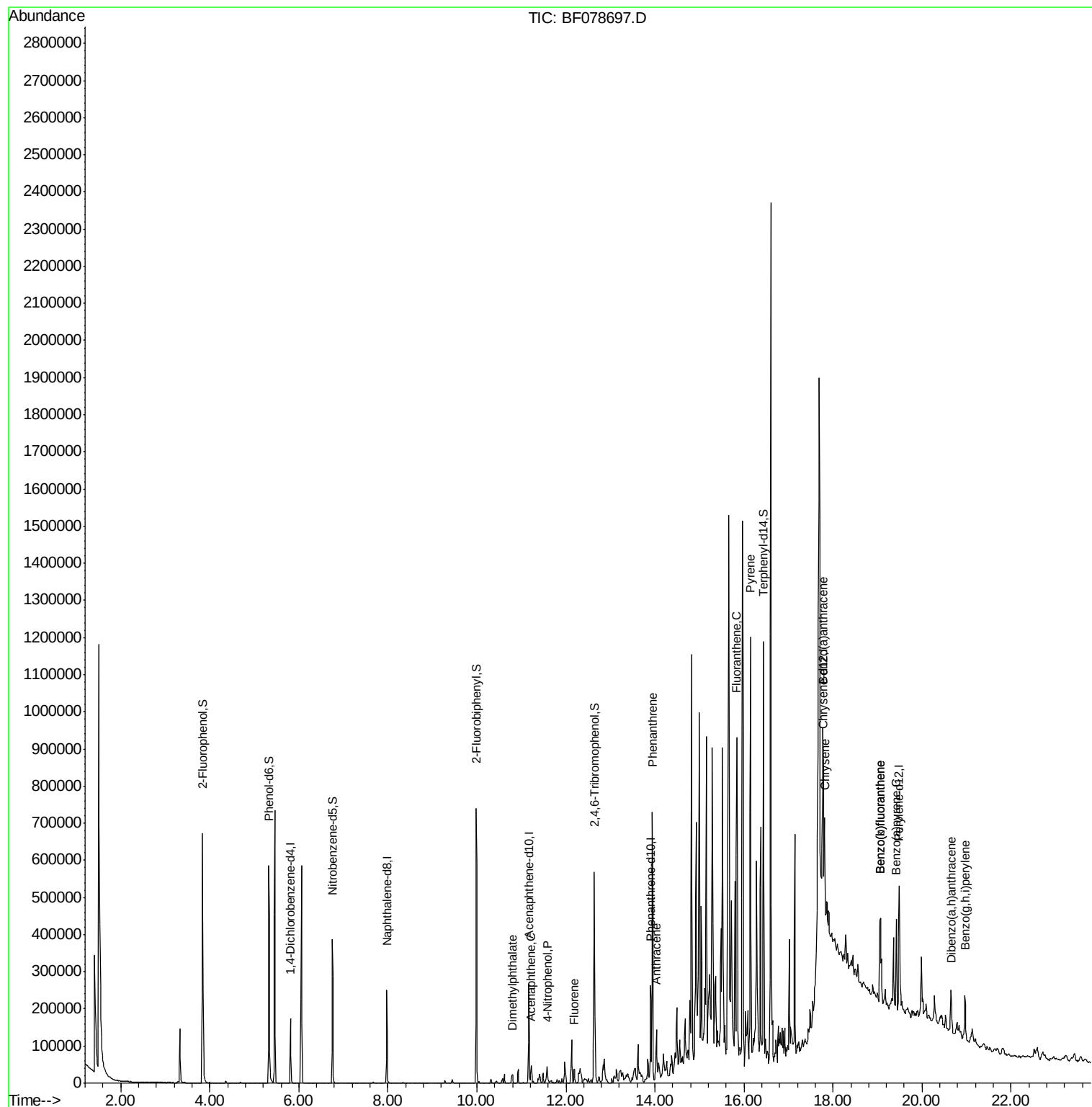
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.82	152	35578	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	150636	20.00	ng	-0.01
38) Acenaphthene-d10	11.16	164	78484	20.00	ng	-0.01
63) Phenanthrene-d10	13.90	188	151568	20.00	ng	-0.01
75) Chrysene-d12	17.78	240	149815	20.00	ng	0.00
86) Perylene-d12	19.49	264	162005	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.84	112	256411	118.83	ng	0.01
7) Phenol-d6	5.32	99	326142	120.60	ng	0.00
23) Nitrobenzene-d5	6.75	82	189850	76.39	ng	-0.01
41) 2,4,6-Tribromophenol	12.64	330	83658	128.52	ng	-0.01
44) 2-Fluorobiphenyl	9.99	172	377340	68.72	ng	-0.01
78) Terphenyl-d14	16.43	244	403803	60.91	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.80	163	15248	2.59	ng	# 97
51) Acenaphthene	11.22	154	14513	3.16	ng	97
55) 4-Nitrophenol	11.58	139	2062	4.73	ng	# 44
57) Fluorene	12.18	166	11508	2.02	ng	# 95
70) Phenanthrene	13.94	178	433956	49.50	ng	99
71) Anthracene	14.03	178	70981	8.22	ng	99
74) Fluoranthene	15.84	202	328667	35.55	ng	93
77) Pyrene	16.15	202	356651	37.92	ng	# 93
80) Benzo(a)anthracene	17.77	228	151399	16.99	ng	99
82) Chrysene	17.82	228	149226	17.82	ng	97
87) Benzo(b)fluoranthene	19.06	252	199759	19.95	ng	# 95
88) Benzo(k)fluoranthene	19.06	252	201151	22.61	ng	97
89) Benzo(a)pyrene	19.42	252	127277	14.57	ng	# 93
90) Dibenzo(a,h)anthracene	20.66	278	18294	2.09	ng	# 85
91) Benzo(g,h,i)perylene	20.96	276	76725	8.75	ng	97

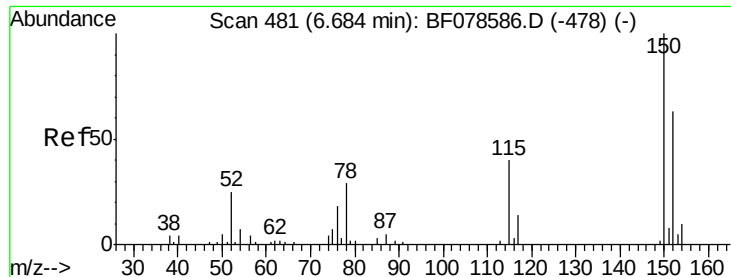
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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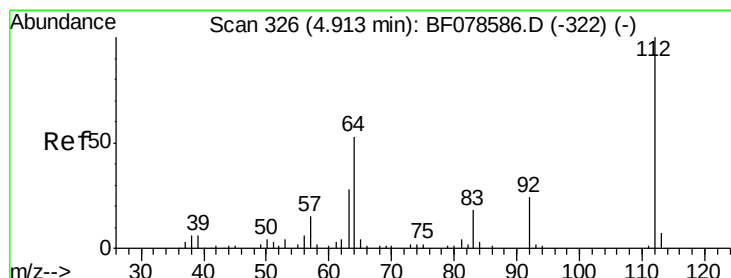
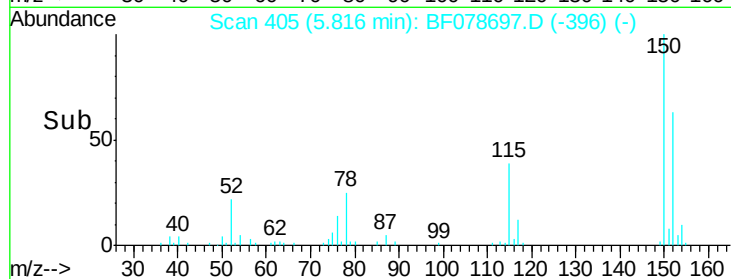
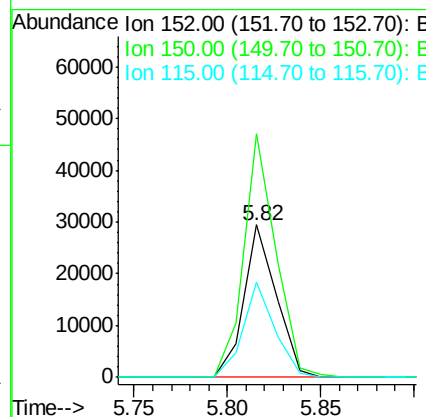
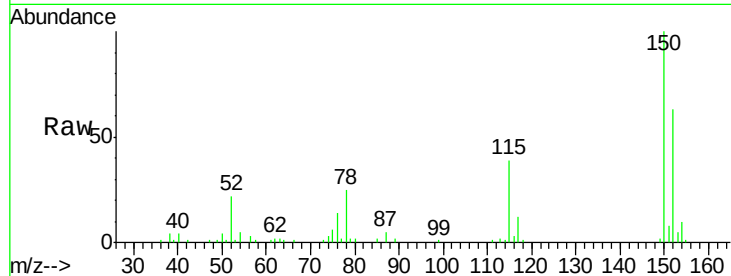




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.82 min Scan# 405
 Delta R.T. -0.00 min
 Lab File: BF078697.D
 Acq: 21 Apr 2015 22:09

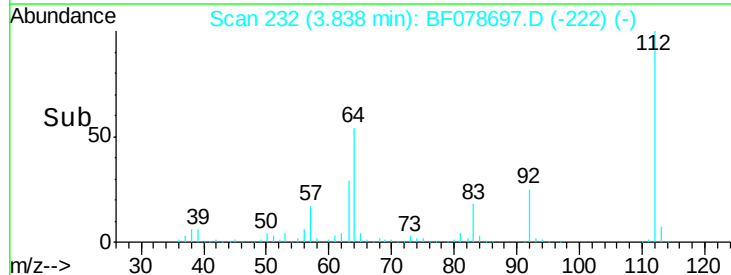
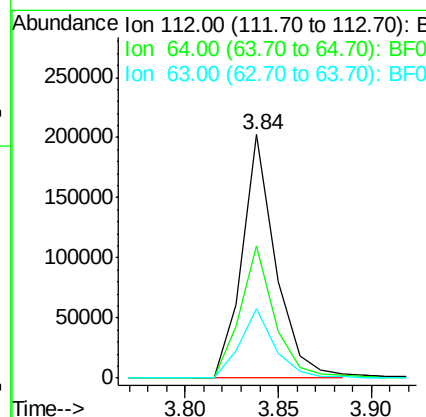
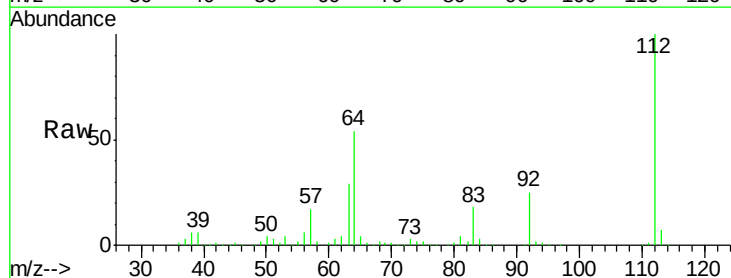
Instrument :
 BNA_F
 ClientSampleId :
 SB-80D

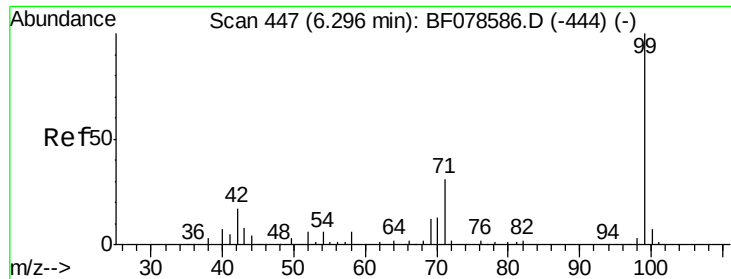
Tgt Ion:152 Resp: 35578
 Ion Ratio Lower Upper
 152 100
 150 159.9 125.9 188.9
 115 62.3 52.7 79.1



#5
 2-Fluorophenol
 Concen: 118.83 ng
 RT: 3.84 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: BF078697.D
 Acq: 21 Apr 2015 22:09

Tgt Ion:112 Resp: 256411
 Ion Ratio Lower Upper
 112 100
 64 54.3 39.9 59.9
 63 28.5 20.2 30.4





#7

Phenol-d6

Concen: 120.60 ng

RT: 5.32 min Scan# 362

Delta R.T. -0.00 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

Instrument :

BNA_F

ClientSampleId :

SB-80D

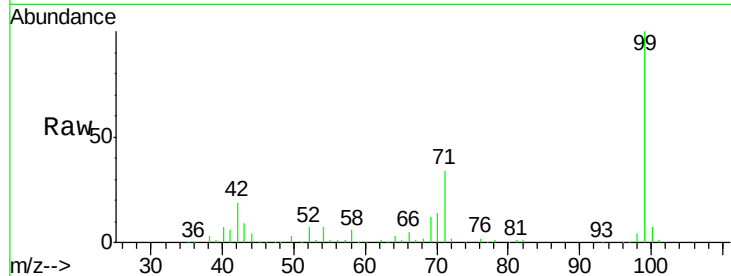
Tgt Ion: 99 Resp: 326142

Ion Ratio Lower Upper

99 100

42 19.0 14.8 22.2

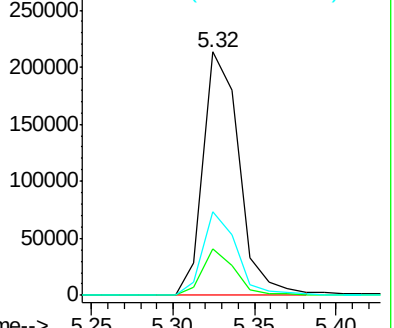
71 34.4 26.6 39.8



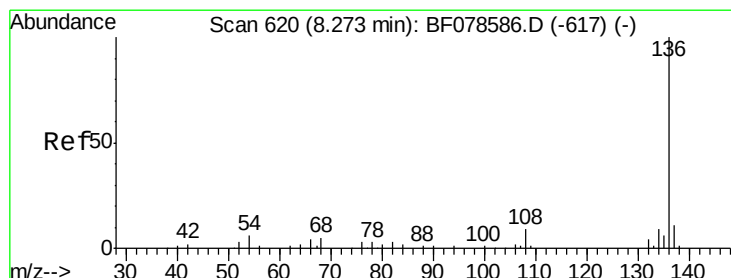
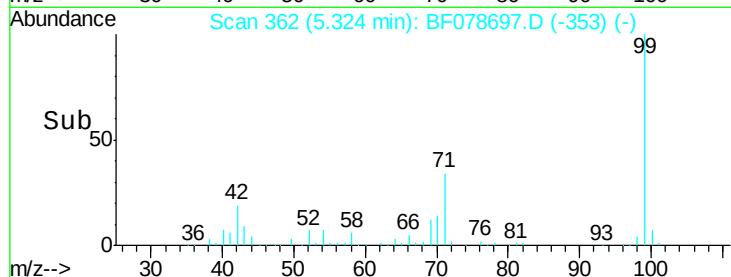
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time--> 5.25 5.30 5.35 5.40



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 594

Delta R.T. -0.01 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

Tgt Ion: 136 Resp: 150636

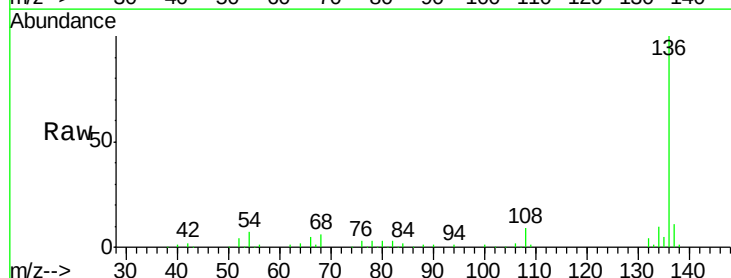
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.1 7.0 10.6

68 5.5 5.4 8.2

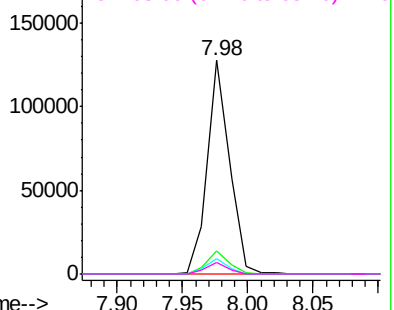


Abundance Ion 136.00 (135.70 to 136.70): E

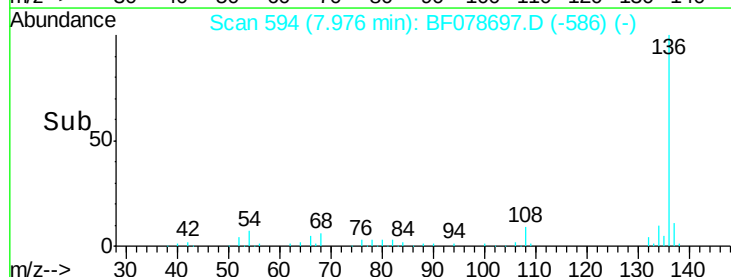
Ion 137.00 (136.70 to 137.70): E

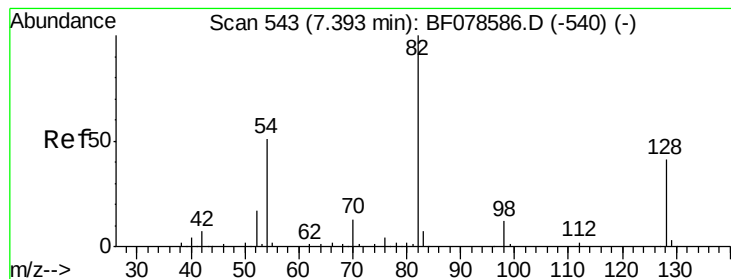
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 7.90 7.95 8.00 8.05





#23

Nitrobenzene-d5

Concen: 76.39 ng

RT: 6.75 min Scan# 487

Delta R.T. -0.01 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

Instrument :

BNA_F

ClientSampleId :

SB-80D

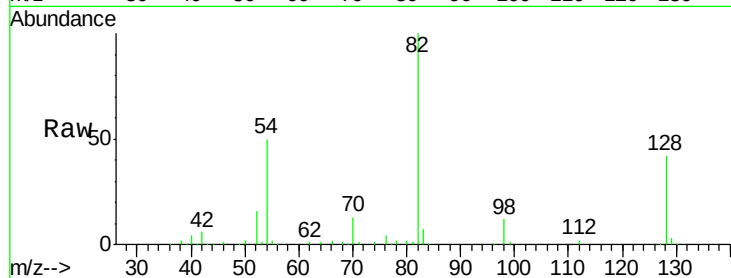
Tgt Ion: 82 Resp: 189850

Ion Ratio Lower Upper

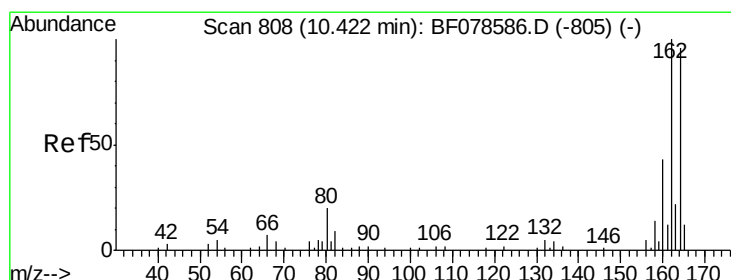
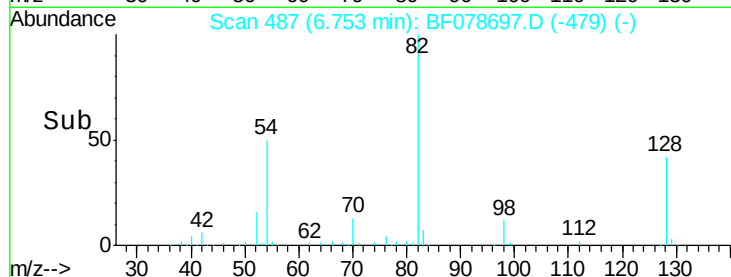
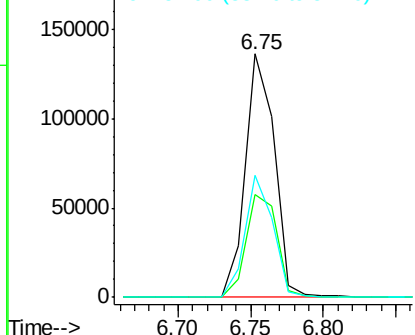
82 100

128 42.0 31.8 47.8

54 50.2 41.5 62.3



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.16 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

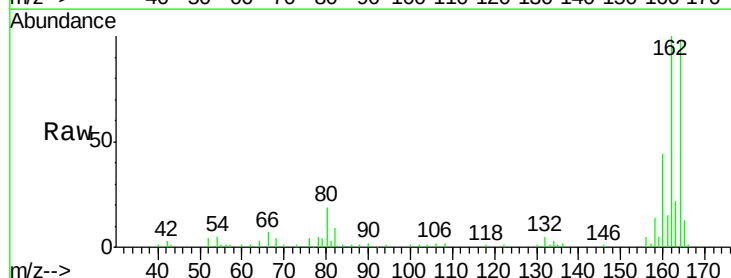
Tgt Ion: 164 Resp: 78484

Ion Ratio Lower Upper

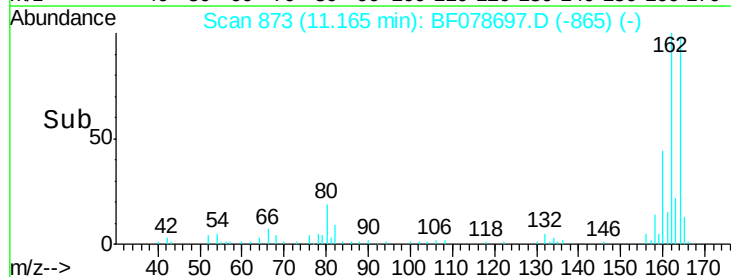
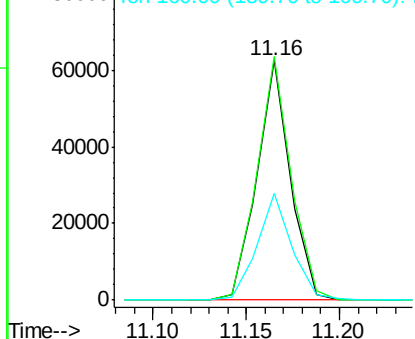
164 100

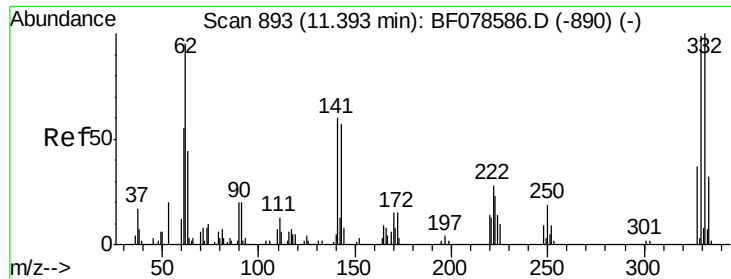
162 101.7 82.2 123.2

160 44.4 34.7 52.1



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

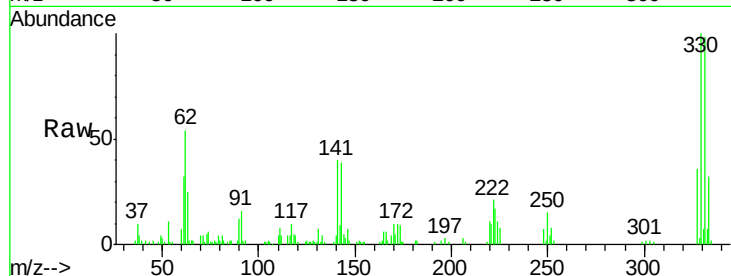




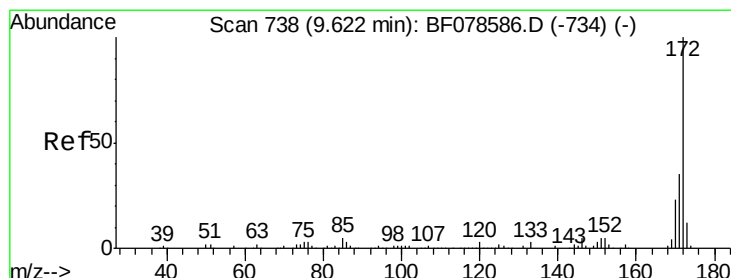
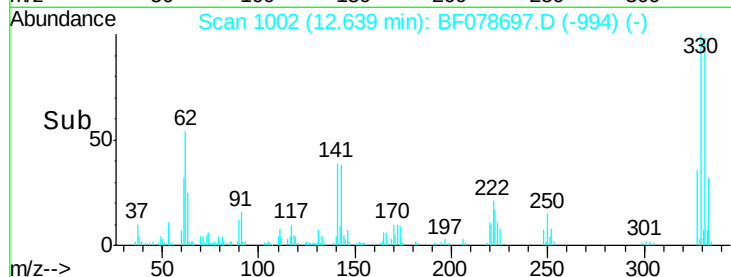
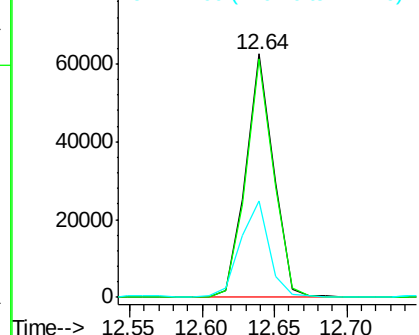
#41
 2,4,6-Tribromophenol
 Concen: 128.52 ng
 RT: 12.64 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BF078697.D
 Acq: 21 Apr 2015 22:09

Instrument :
 BNA_F
 ClientSampleId :
 SB-80D

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.6	117.8
141	40.9	31.2	46.8

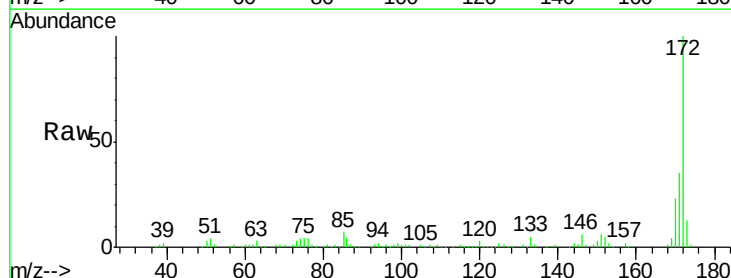


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

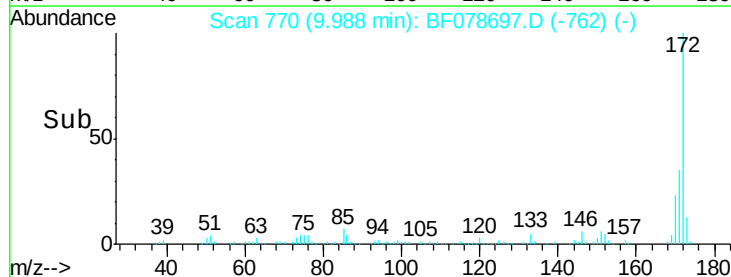
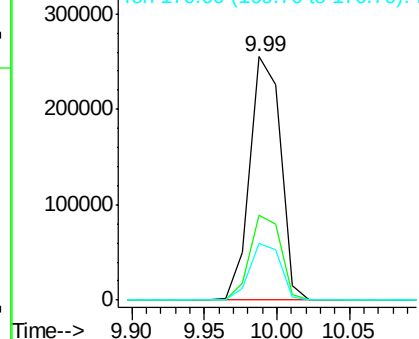


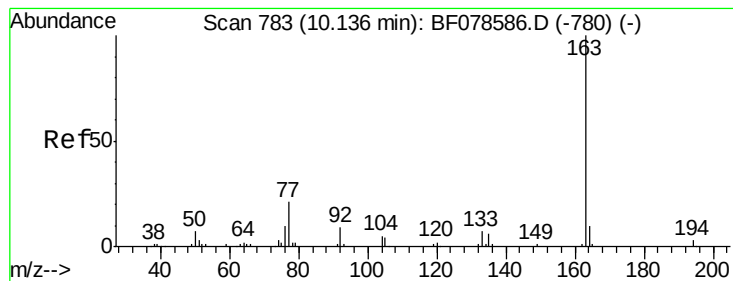
#44
 2-Fluorobiphenyl
 Concen: 68.72 ng
 RT: 9.99 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: BF078697.D
 Acq: 21 Apr 2015 22:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	42.8
170	23.2	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





#49

Dimethylphthalate

Concen: 2.59 ng

RT: 10.80 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

Instrument :

BNA_F

ClientSampled :

SB-80D

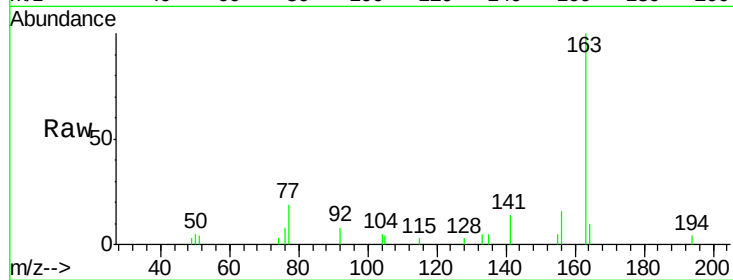
Tgt Ion:163 Resp: 15248

Ion Ratio Lower Upper

163 100

194 3.7 2.3 3.5#

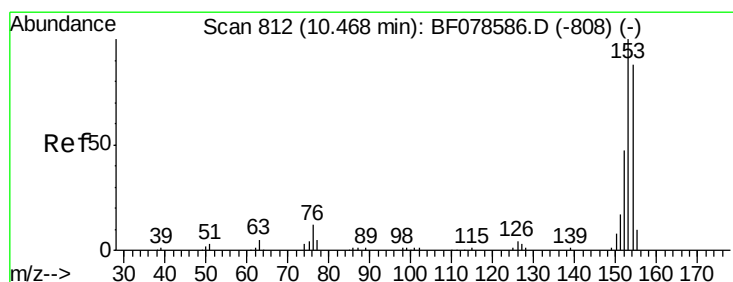
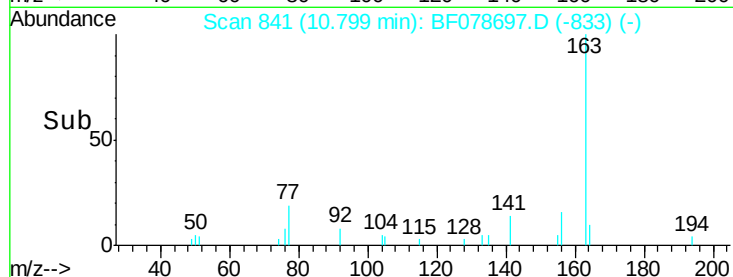
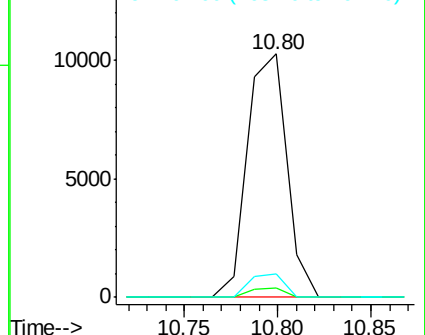
164 9.5 8.6 13.0



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



#51

Acenaphthene

Concen: 3.16 ng

RT: 11.22 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

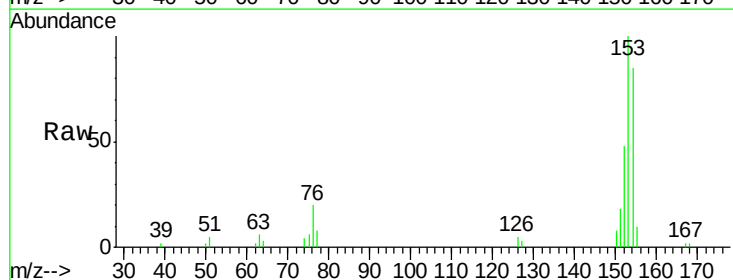
Tgt Ion:154 Resp: 14513

Ion Ratio Lower Upper

154 100

153 117.5 91.4 137.2

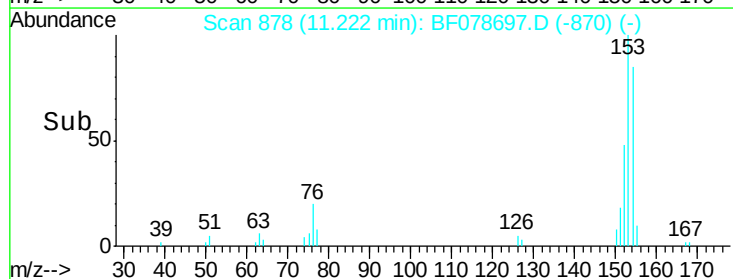
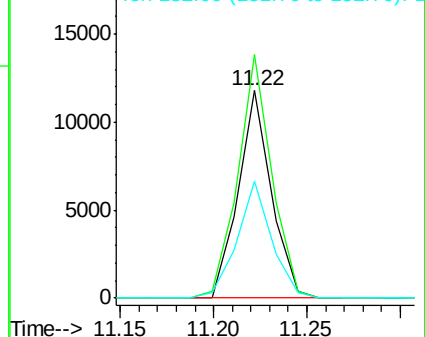
152 56.1 43.0 64.6

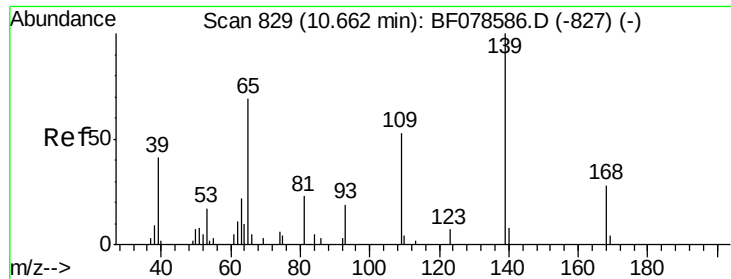


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

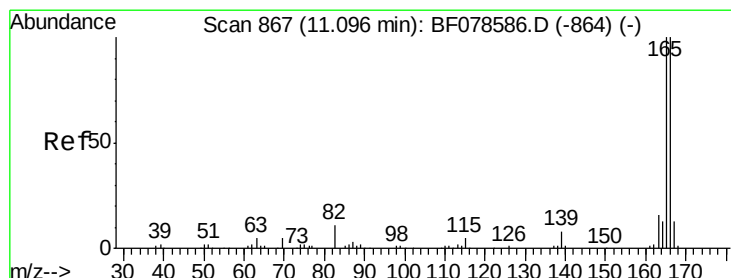
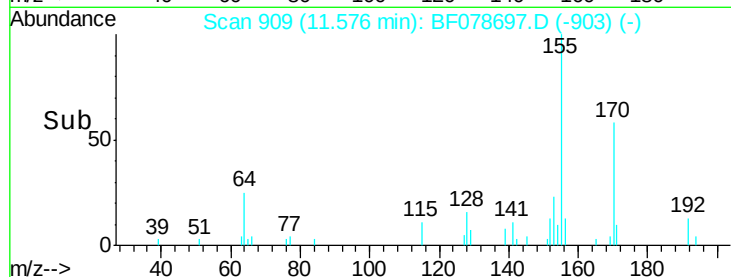
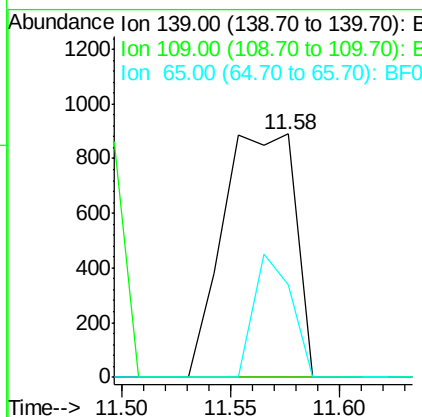
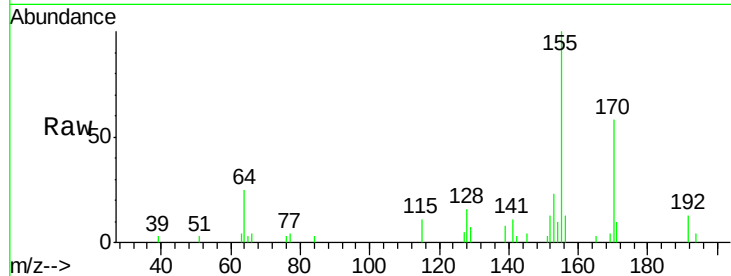




#55
4-Nitrophenol
Concen: 4.73 ng
RT: 11.58 min Scan# 909
Delta R.T. -0.03 min
Lab File: BF078697.D
Acq: 21 Apr 2015 22:09

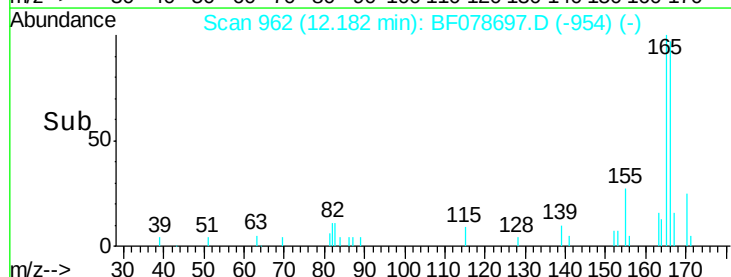
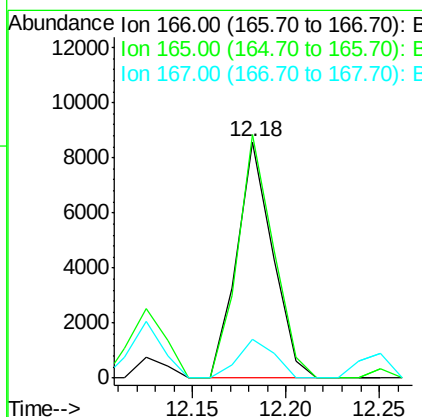
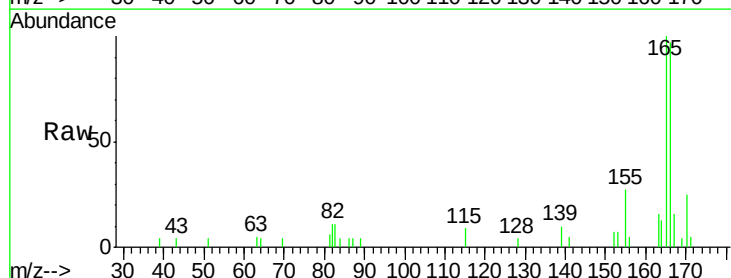
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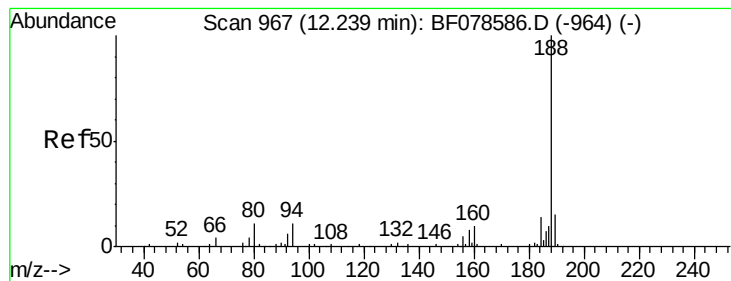
Tgt Ion:139 Resp: 2062
Ion Ratio Lower Upper
139 100
109 0.0 36.7 76.7#
65 38.0 49.9 89.9#



#57
Fluorene
Concen: 2.02 ng
RT: 12.18 min Scan# 962
Delta R.T. -0.01 min
Lab File: BF078697.D
Acq: 21 Apr 2015 22:09

Tgt Ion:166 Resp: 11508
Ion Ratio Lower Upper
166 100
165 103.0 78.9 118.3
167 16.5 10.7 16.1#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 13.90 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

Instrument :

BNA_F

ClientSampleId :

SB-80D

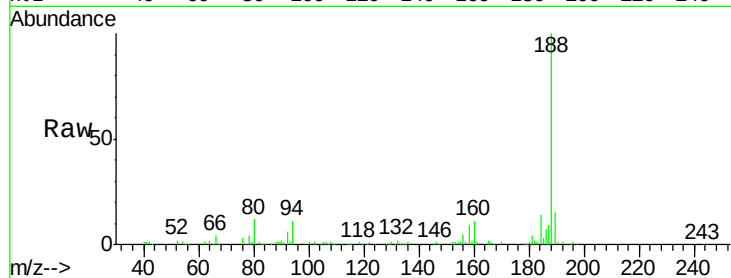
Tgt Ion:188 Resp: 151568

Ion Ratio Lower Upper

188 100

94 10.8 9.0 13.4

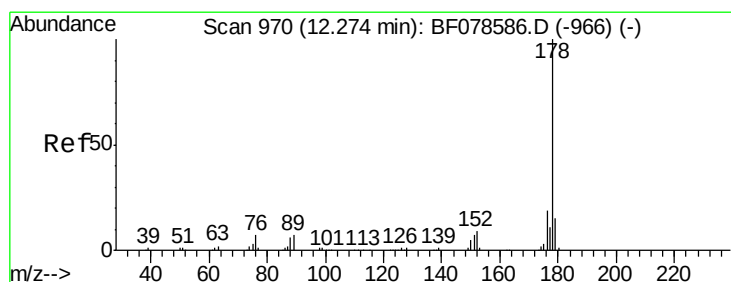
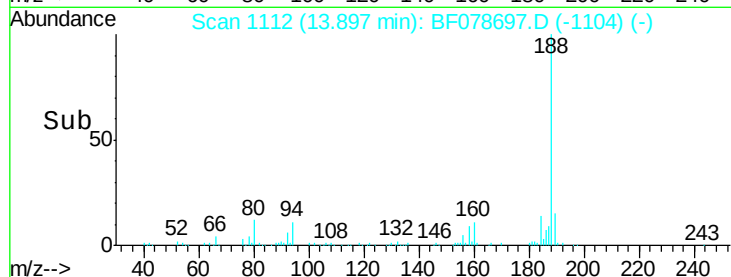
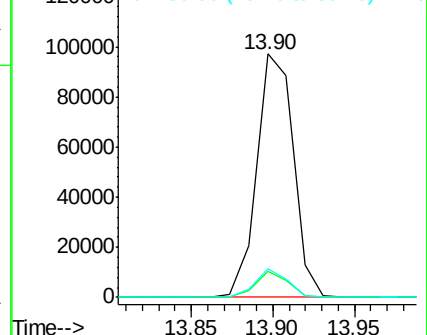
80 11.7 9.5 14.3



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: 49.50 ng

RT: 13.94 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

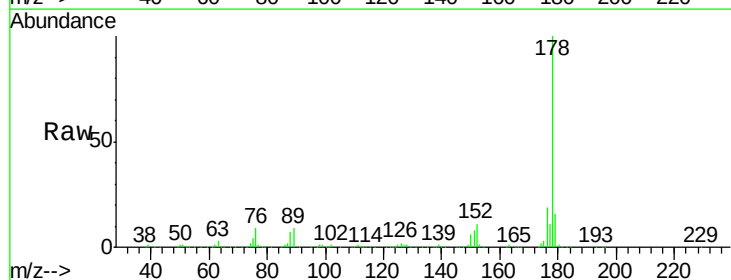
Tgt Ion:178 Resp: 433956

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.0

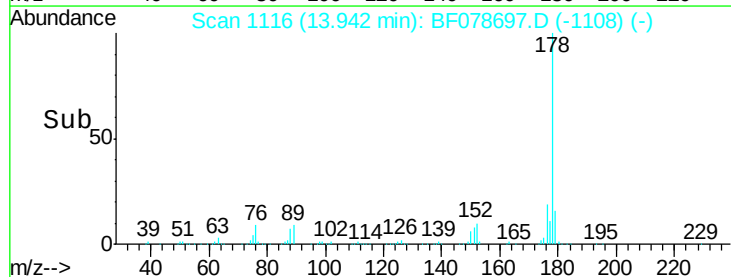
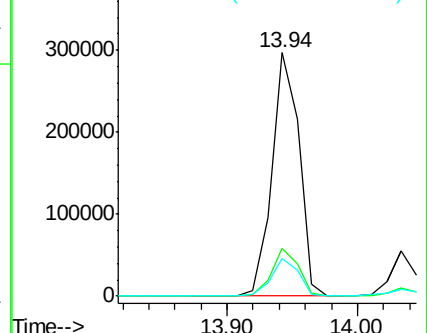
179 15.6 12.2 18.2

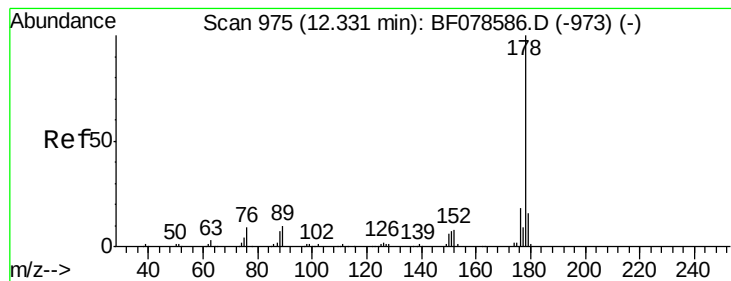


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 8.22 ng

RT: 14.03 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

Instrument :

BNA_F

ClientSampleID :

SB-80D

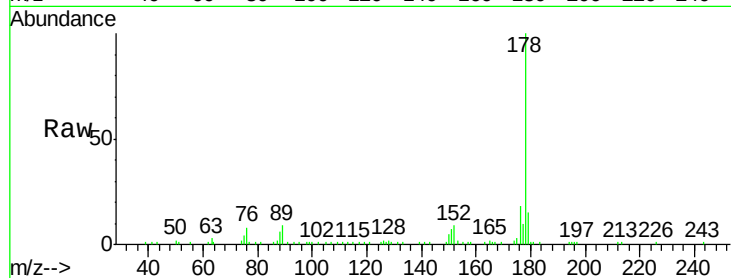
Tgt Ion:178 Resp: 70981

Ion Ratio Lower Upper

178 100

176 17.6 14.8 22.2

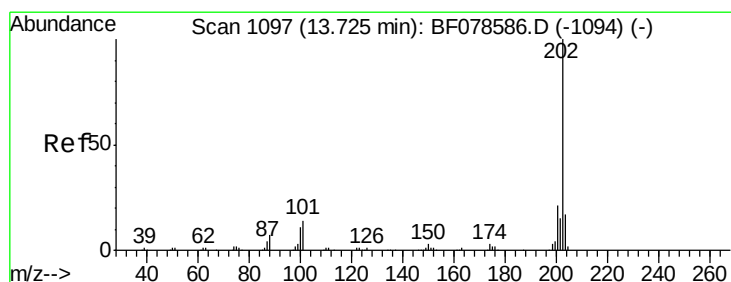
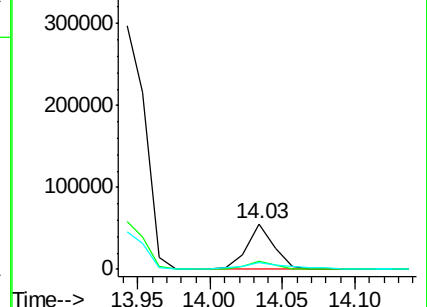
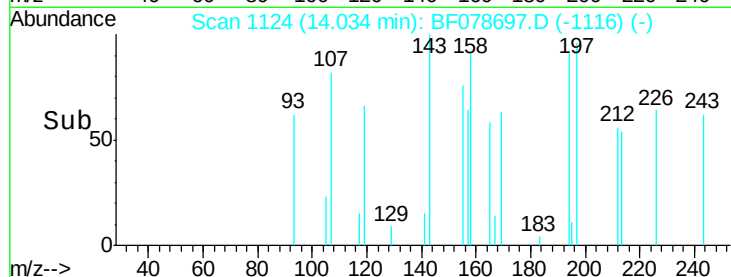
179 15.4 12.4 18.6



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



#74

Fluoranthene

Concen: 35.55 ng

RT: 15.84 min Scan# 1282

Delta R.T. -0.00 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

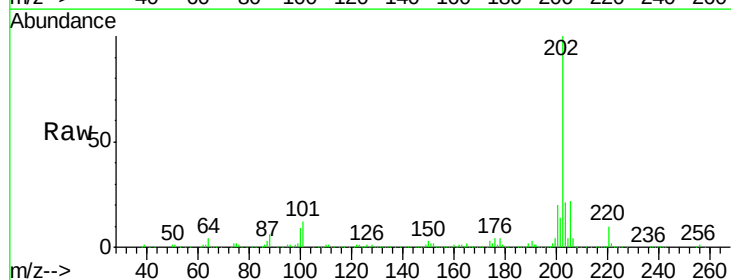
Tgt Ion:202 Resp: 328667

Ion Ratio Lower Upper

202 100

101 12.1 0.0 35.2

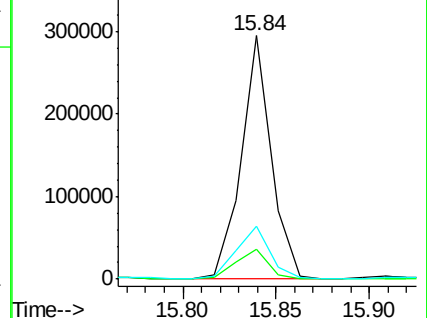
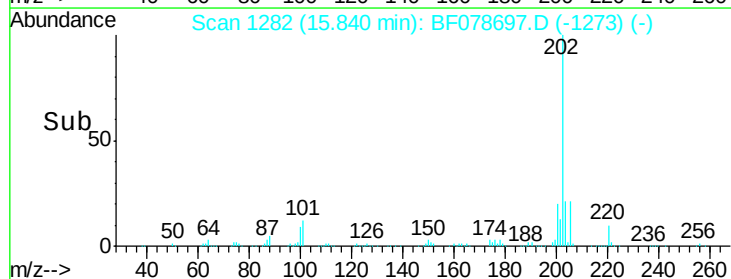
203 21.5 0.0 38.5

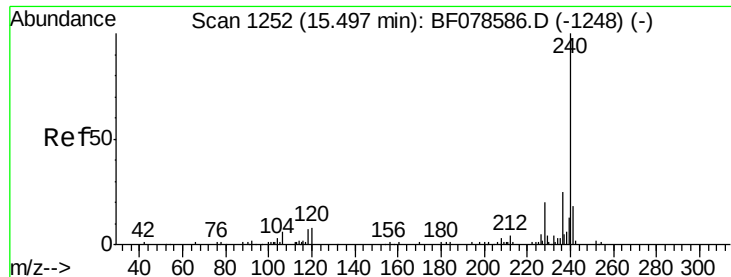


Abundance Ion 202.00 (201.70 to 202.70): E

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: 17.78 min Scan# 1452

Delta R.T. -0.00 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

Instrument :

BNA_F

ClientSampleId :

SB-80D

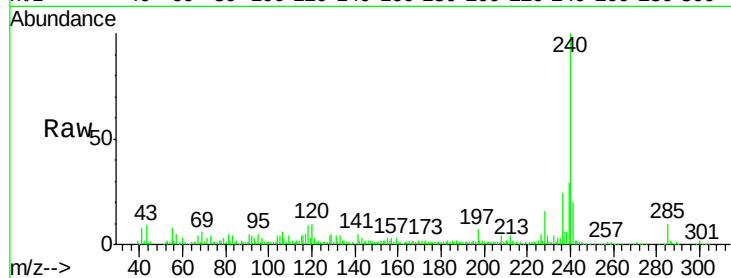
Tgt Ion:240 Resp: 149815

Ion Ratio Lower Upper

240 100

120 9.8 7.1 10.7

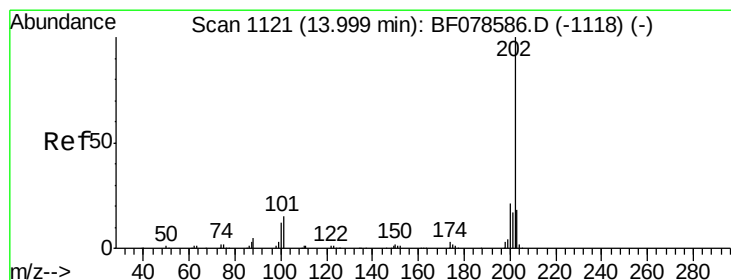
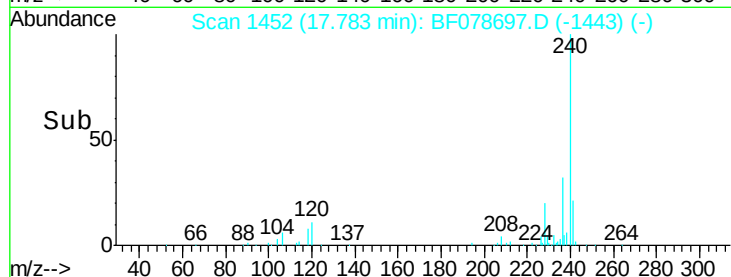
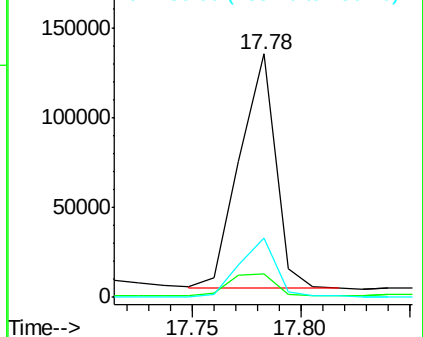
236 24.3 21.4 32.2



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: 37.92 ng

RT: 16.15 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BF078697.D

Acq: 21 Apr 2015 22:09

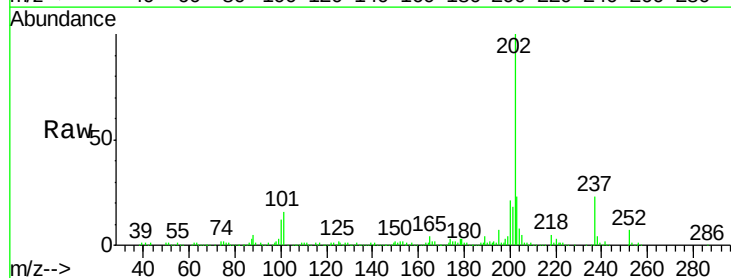
Tgt Ion:202 Resp: 356651

Ion Ratio Lower Upper

202 100

200 20.9 16.3 24.5

203 22.9 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

