

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042315\
 Data File : BF078749.D
 Acq On : 23 Apr 2015 15:26
 Operator : TP/IZ
 Sample : G1938-16RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-79D

Quant Time: Apr 24 01:02:45 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 24 00:49:54 2015
 Response via : Initial Calibration

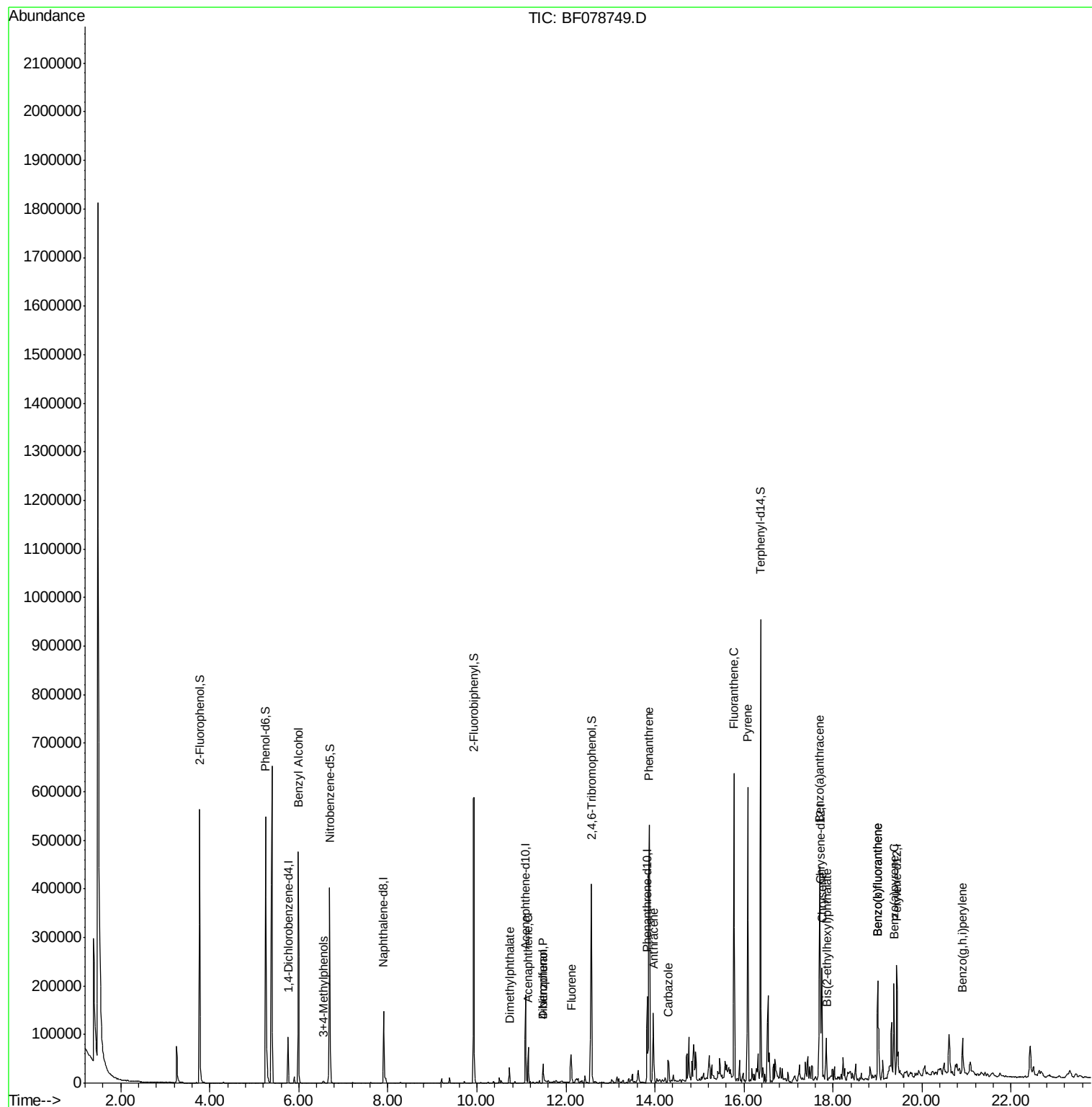
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	24619	20.00	ng	0.01
21) Naphthalene-d8	7.91	136	102331	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	52068	20.00	ng	0.00
63) Phenanthrene-d10	13.83	188	105387	20.00	ng	0.00
75) Chrysene-d12	17.71	240	118840	20.00	ng	0.00
86) Perylene-d12	19.43	264	122476	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	3.77	112	224309	150.22	ng	0.00
7) Phenol-d6	5.26	99	292846	156.49	ng	0.00
23) Nitrobenzene-d5	6.70	82	176241	104.39	ng	0.00
41) 2,4,6-Tribromophenol	12.57	330	79020	182.99	ng	0.00
44) 2-Fluorobiphenyl	9.93	172	331501	91.01	ng	0.00
78) Terphenyl-d14	16.38	244	371092	70.56	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	5.99	79	2664	2.03	ng	# 56
20) 3+4-Methylphenols	6.56	107	3876	2.12	ng	93
49) Dimethylphthalate	10.73	163	19048	4.87	ng	# 99
51) Acenaphthene	11.15	154	23590	7.74	ng	98
54) Dibenzofuran	11.48	168	18073	3.88	ng	99
55) 4-Nitrophenol	11.48	139	6731	12.41	ng	# 23
57) Fluorene	12.11	166	25214	6.68	ng	99
70) Phenanthrene	13.87	178	320078	52.51	ng	100
71) Anthracene	13.97	178	89474	14.89	ng	99
72) Carbazole	14.31	167	32054	5.69	ng	98
74) Fluoranthene	15.77	202	308053	47.92	ng	95
77) Pyrene	16.08	202	274989	36.86	ng	# 94
80) Benzo(a)anthracene	17.70	228	145849	20.63	ng	98
82) Chrysene	17.75	228	104893	15.79	ng	95
83) Bis(2-ethylhexyl)phthalate	17.85	149	25220	5.66	ng	98
87) Benzo(b)fluoranthene	19.01	252	162633	21.49	ng	# 94
88) Benzo(k)fluoranthene	19.01	252	160857	23.91	ng	95
89) Benzo(a)pyrene	19.37	252	94104	14.25	ng	# 95
91) Benzo(g,h,i)perylene	20.91	276	43240	6.52	ng	99

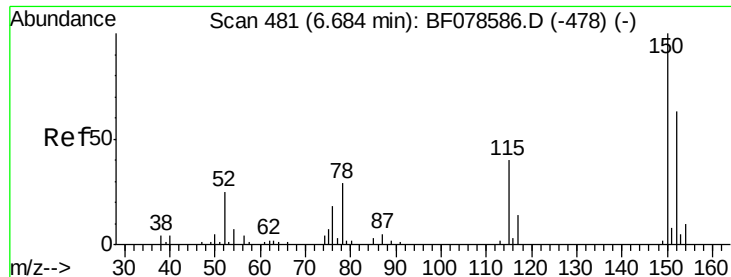
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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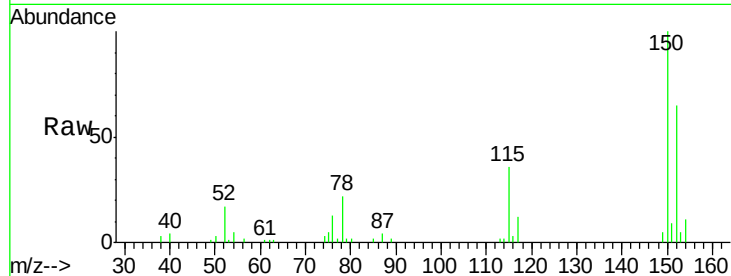


#1

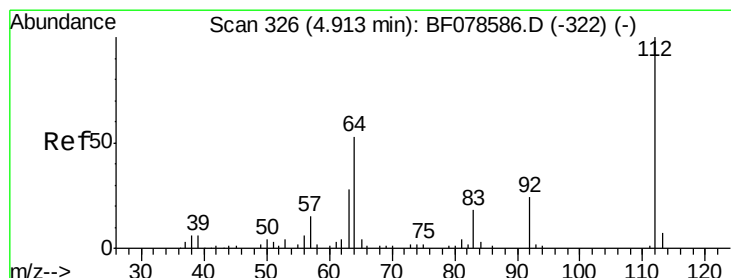
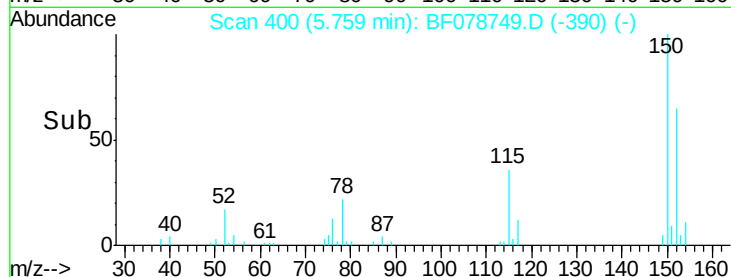
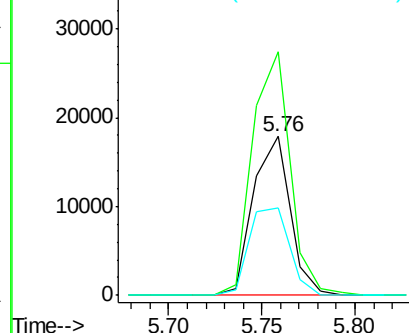
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 400
Delta R.T. 0.01 min
Lab File: BF078749.D
Acq: 23 Apr 2015 15:26

Instrument :
BNA_F
ClientSampleId :
SB-79D

Tgt Ion:152 Resp: 24619
Ion Ratio Lower Upper
152 100
150 153.2 125.9 188.9
115 55.1 52.7 79.1



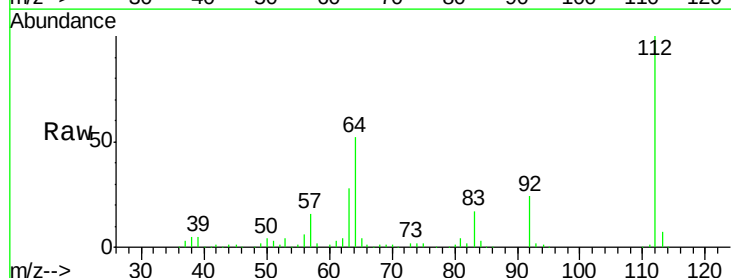
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



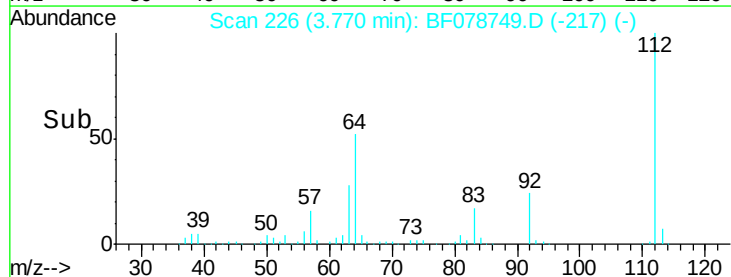
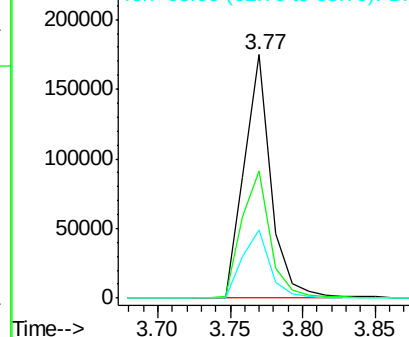
#5

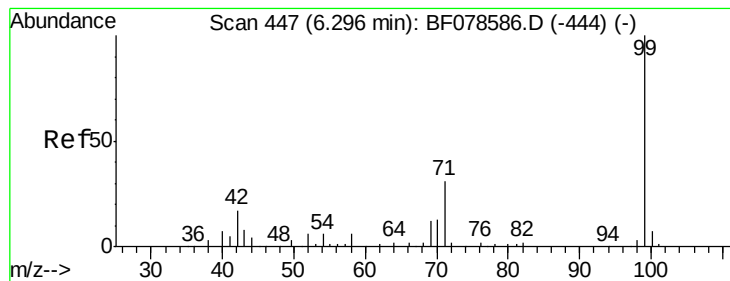
2-Fluorophenol
Concen: 150.22 ng
RT: 3.77 min Scan# 226
Delta R.T. -0.00 min
Lab File: BF078749.D
Acq: 23 Apr 2015 15:26

Tgt Ion:112 Resp: 224309
Ion Ratio Lower Upper
112 100
64 52.1 39.9 59.9
63 27.8 20.2 30.4



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: 156.49 ng

RT: 5.26 min Scan# 356

Delta R.T. -0.00 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

Instrument :

BNA_F

ClientSampleId :

SB-79D

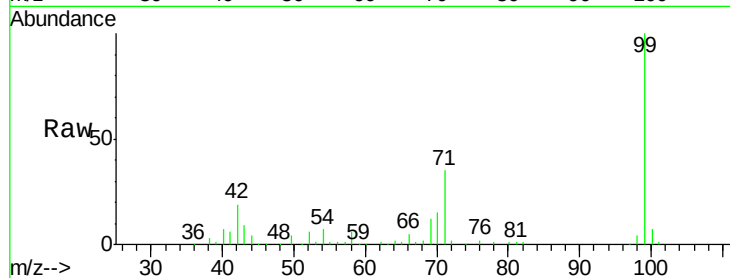
Tgt Ion: 99 Resp: 292846

Ion Ratio Lower Upper

99 100

42 18.6 14.8 22.2

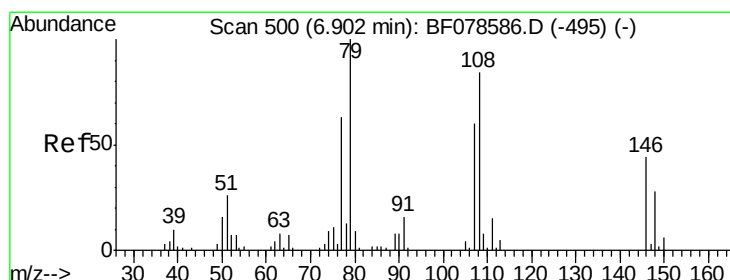
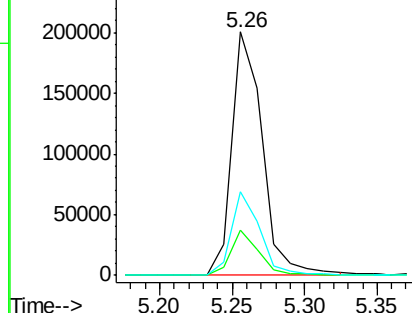
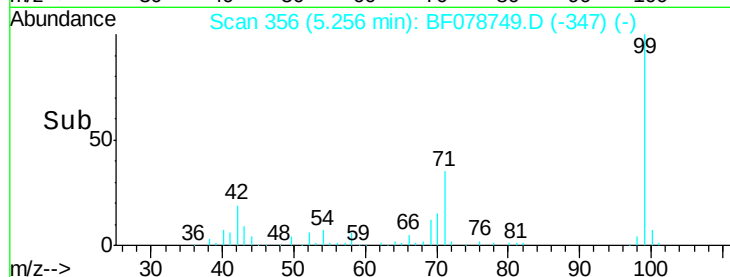
71 34.5 26.6 39.8



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



#15

Benzyl Alcohol

Concen: 2.03 ng

RT: 5.99 min Scan# 420

Delta R.T. -0.05 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

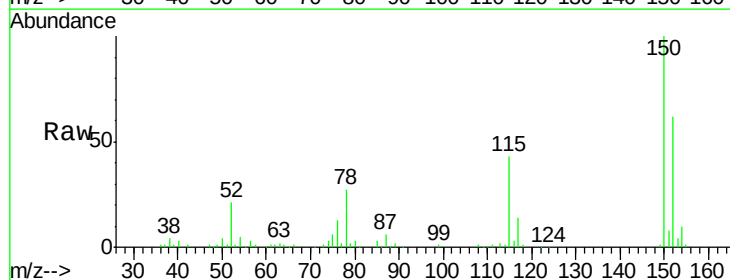
Tgt Ion: 79 Resp: 2664

Ion Ratio Lower Upper

79 100

108 32.3 57.6 86.4#

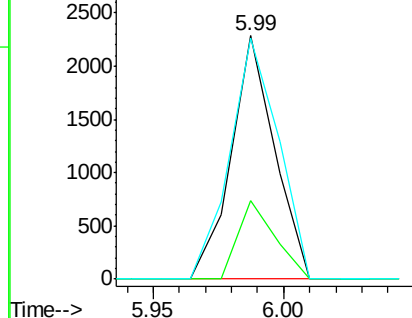
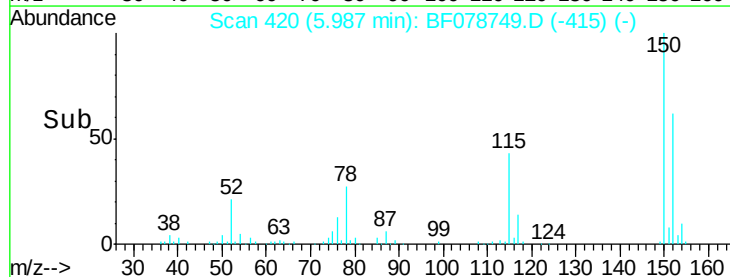
77 98.9 53.5 80.3#

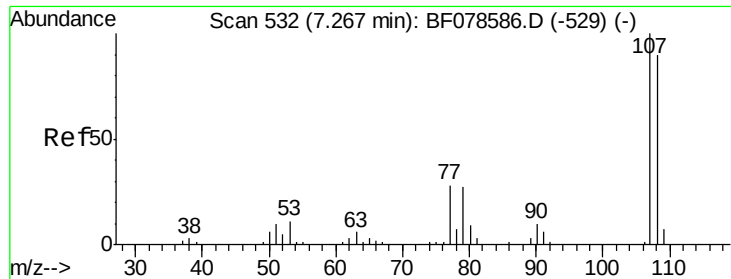


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

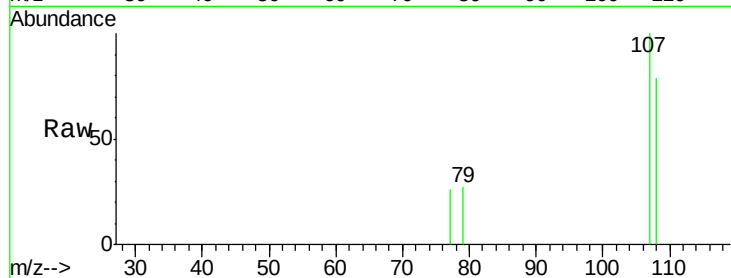




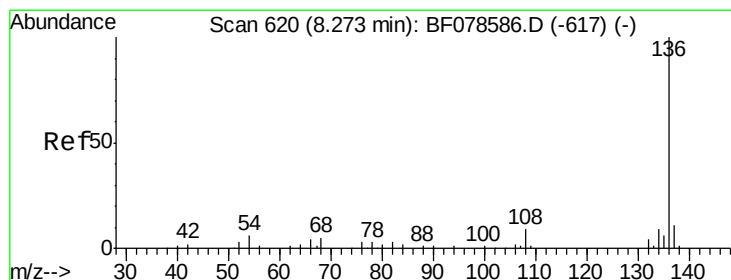
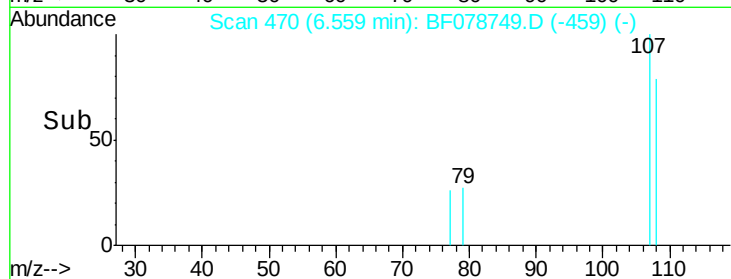
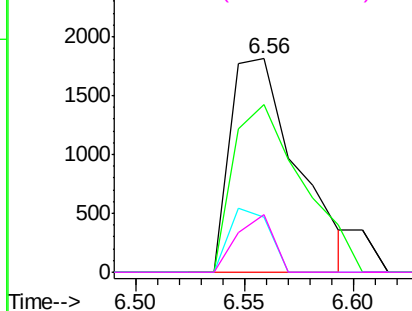
#20
 3+4-Methylphenols
 Concen: 2.12 ng
 RT: 6.56 min Scan# 470
 Delta R.T. 0.02 min
 Lab File: BF078749.D
 Acq: 23 Apr 2015 15:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-79D

Tgt Ion:107 Resp: 3876
 Ion Ratio Lower Upper
 107 100
 108 78.6 64.4 104.4
 77 25.7 9.7 49.7
 79 27.3 4.0 44.0

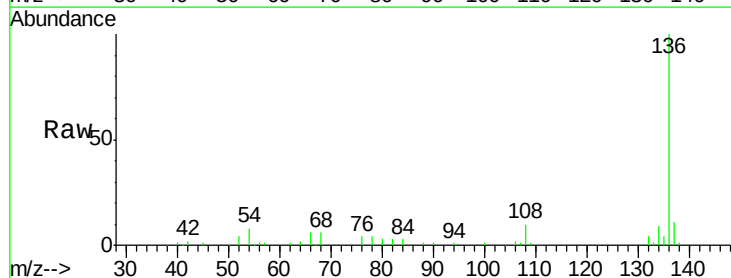


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BF0
 Ion 79.00 (78.70 to 79.70): BF0

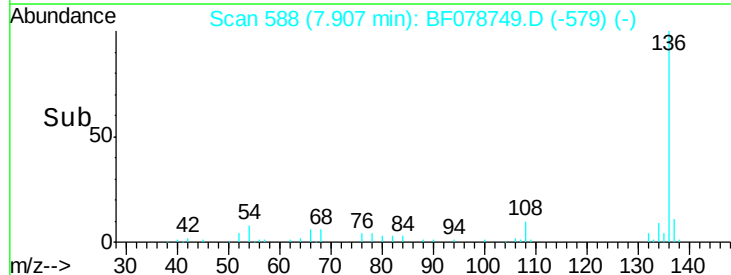
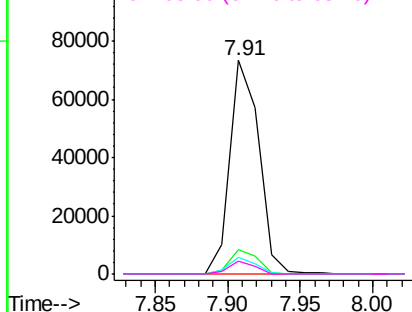


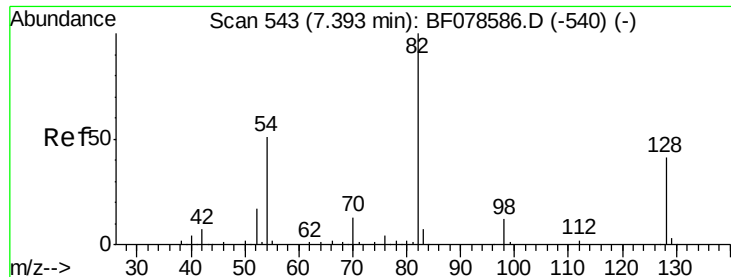
#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 7.91 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: BF078749.D
 Acq: 23 Apr 2015 15:26

Tgt Ion:136 Resp: 102331
 Ion Ratio Lower Upper
 136 100
 137 11.4 9.0 13.4
 54 8.0 7.0 10.6
 68 6.2 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

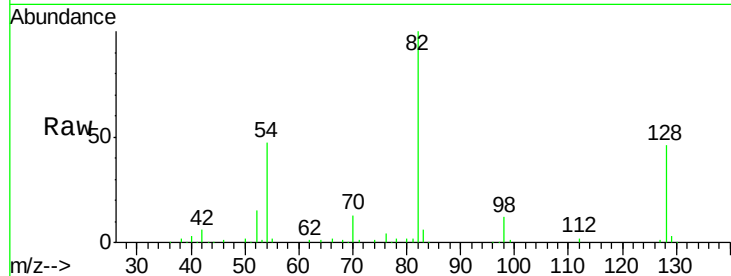




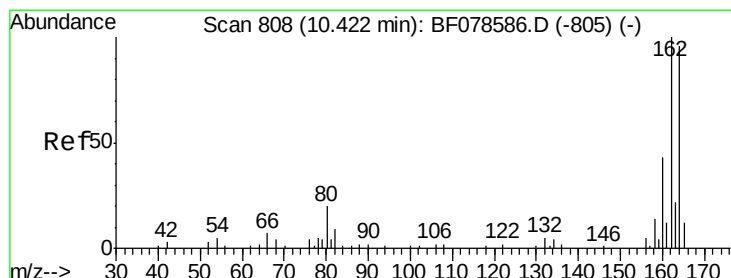
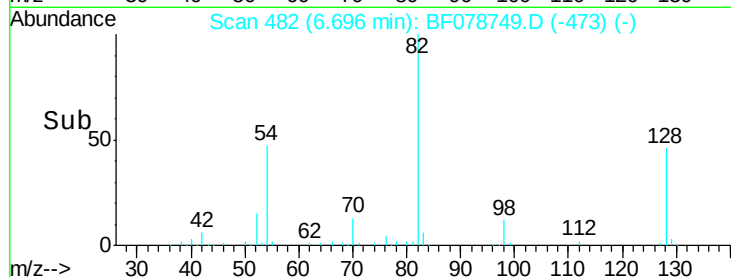
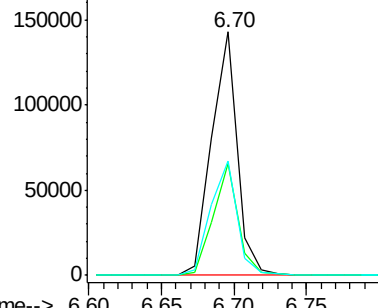
#23
 Nitrobenzene-d5
 Concen: 104.39 ng
 RT: 6.70 min Scan# 482
 Delta R.T. -0.00 min
 Lab File: BF078749.D
 Acq: 23 Apr 2015 15:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-79D

Tgt Ion: 82 Resp: 176241
 Ion Ratio Lower Upper
 82 100
 128 45.9 31.8 47.8
 54 47.0 41.5 62.3

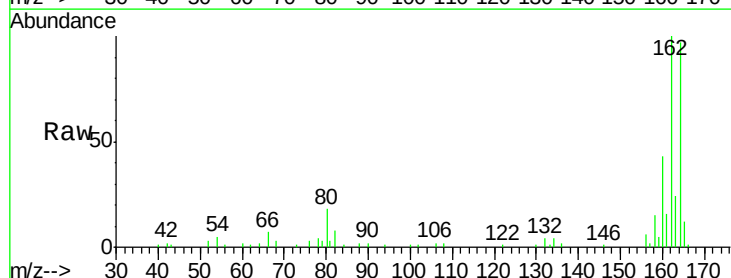


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

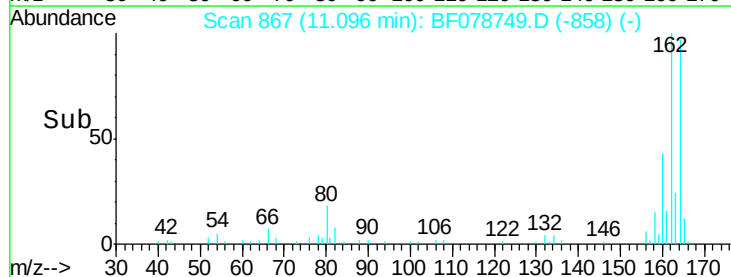
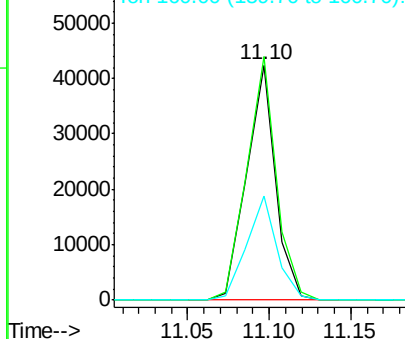


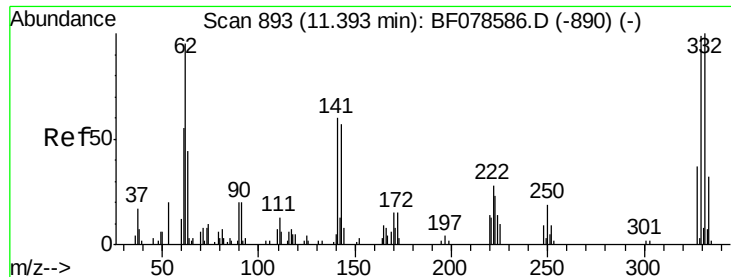
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. -0.00 min
 Lab File: BF078749.D
 Acq: 23 Apr 2015 15:26

Tgt Ion: 164 Resp: 52068
 Ion Ratio Lower Upper
 164 100
 162 103.5 82.2 123.2
 160 44.2 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

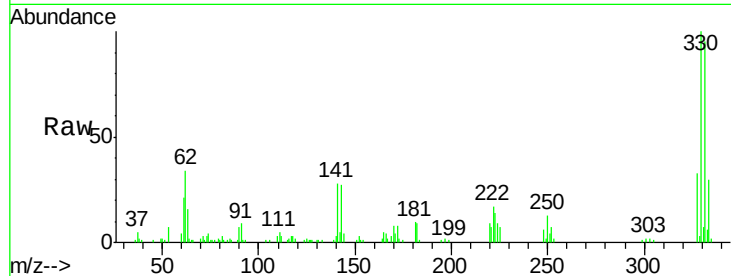




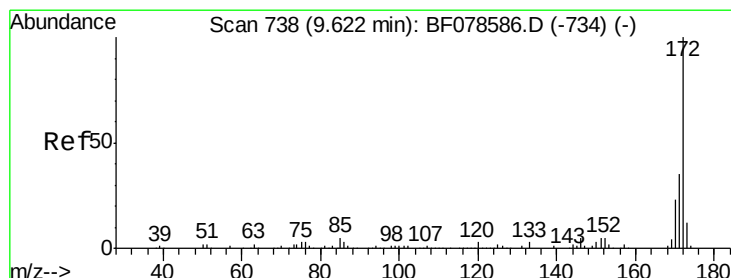
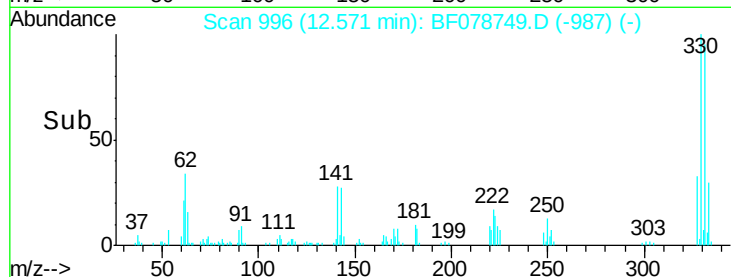
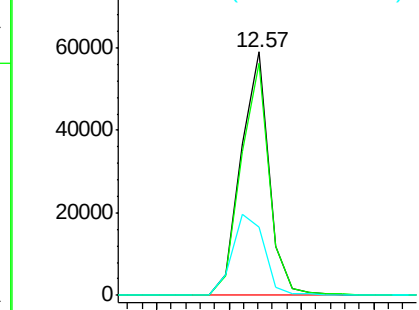
#41
 2,4,6-Tribromophenol
 Concen: 182.99 ng
 RT: 12.57 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: BF078749.D
 Acq: 23 Apr 2015 15:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-79D

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.6	117.8
141	38.4	31.2	46.8

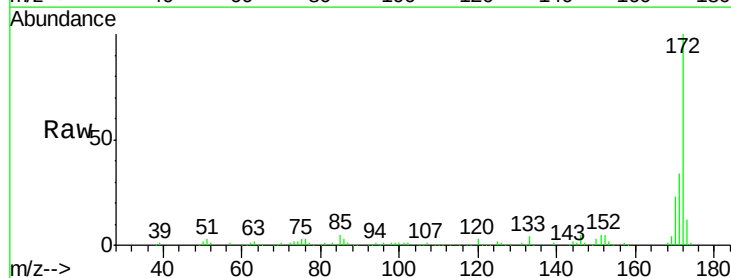


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

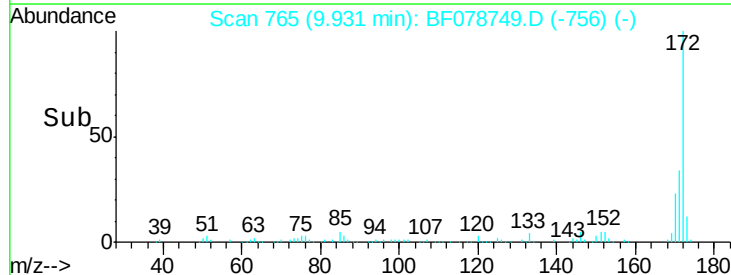
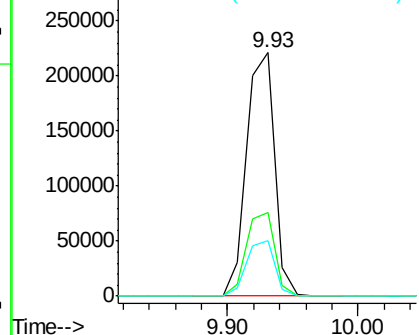


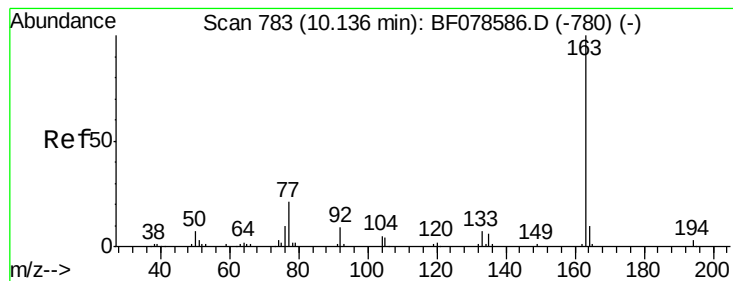
#44
 2-Fluorobiphenyl
 Concen: 91.01 ng
 RT: 9.93 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BF078749.D
 Acq: 23 Apr 2015 15:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.6	42.8
170	23.0	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: 4.87 ng

RT: 10.73 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

Instrument :

BNA_F

ClientSampleId :

SB-79D

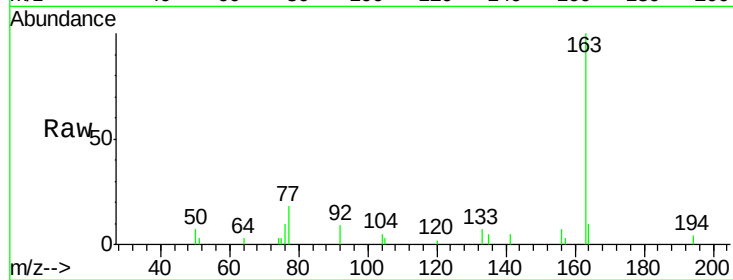
Tgt Ion:163 Resp: 19048

Ion Ratio Lower Upper

163 100

194 3.7 2.3 3.5#

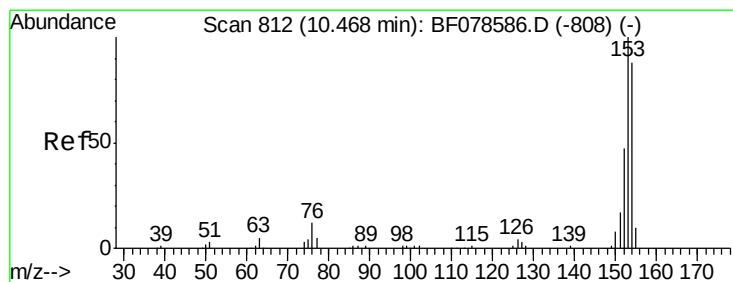
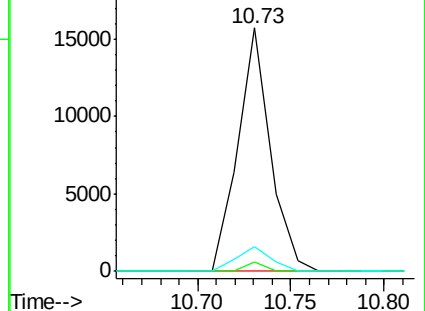
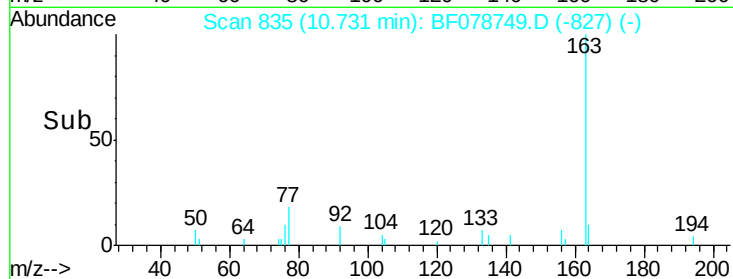
164 10.4 8.6 13.0



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: 7.74 ng

RT: 11.15 min Scan# 872

Delta R.T. -0.00 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

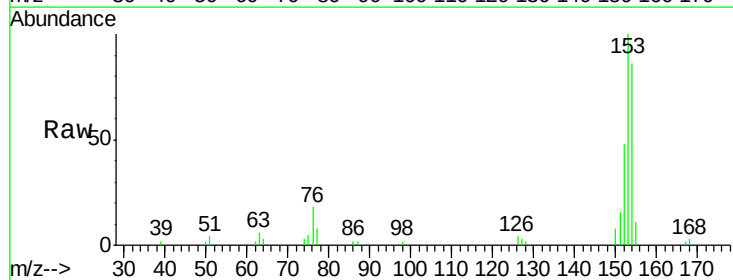
Tgt Ion:154 Resp: 23590

Ion Ratio Lower Upper

154 100

153 116.3 91.4 137.2

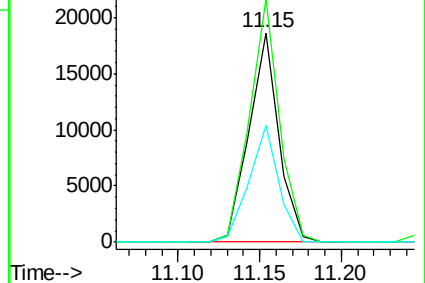
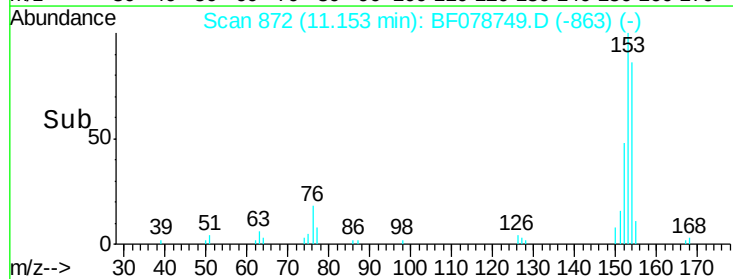
152 55.9 43.0 64.6

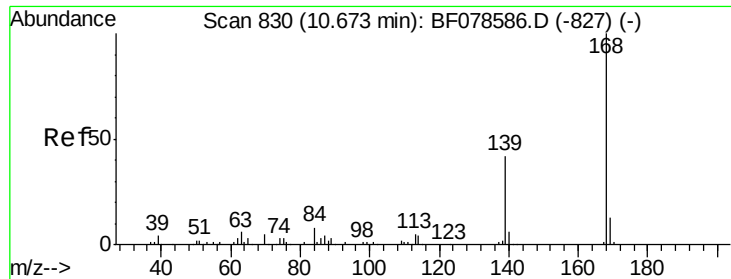


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

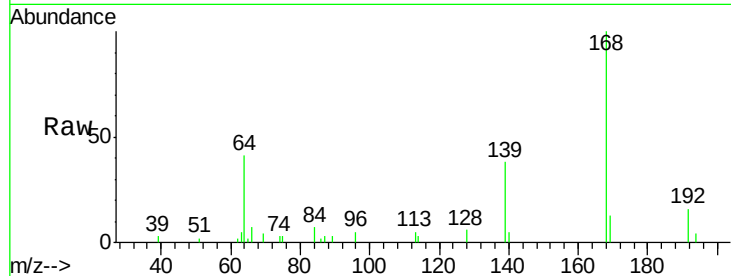




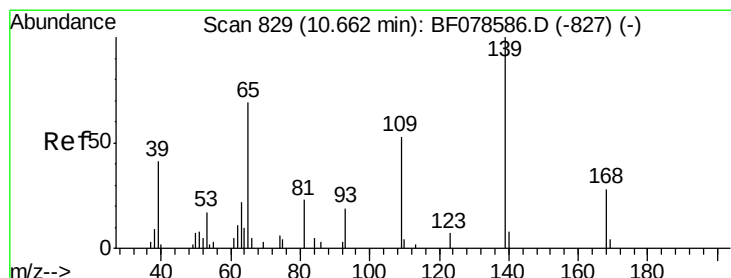
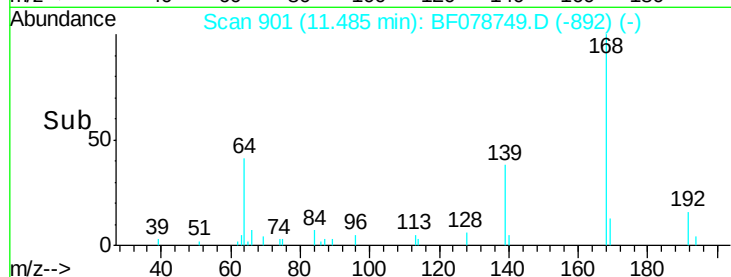
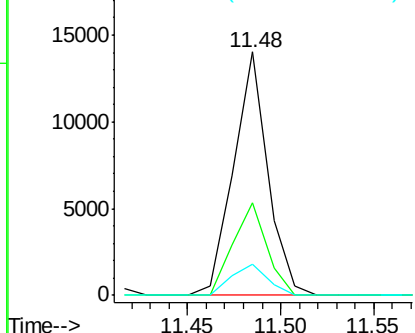
#54
Dibenzenofuran
Concen: 3.88 ng
RT: 11.48 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF078749.D
Acq: 23 Apr 2015 15:26

Instrument :
BNA_F
ClientSampleId :
SB-79D

Tgt Ion:168 Resp: 18073
Ion Ratio Lower Upper
168 100
139 38.3 31.0 46.4
169 12.8 10.7 16.1

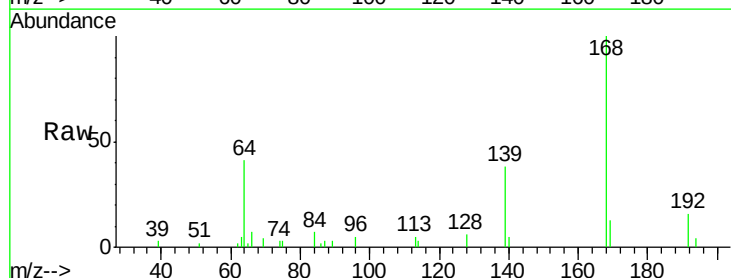


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

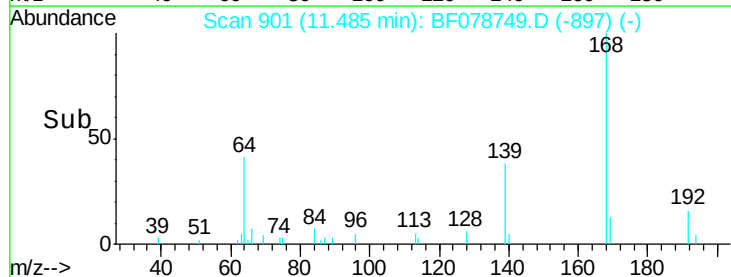
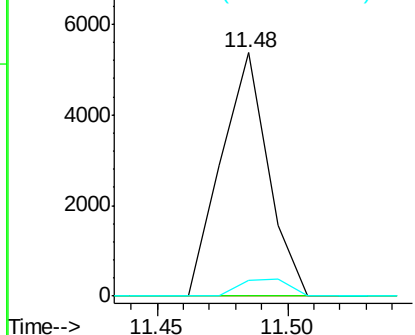


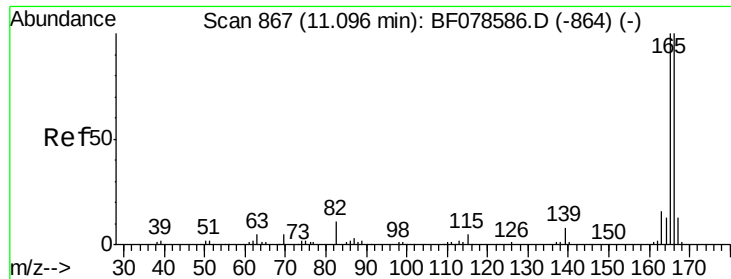
#55
4-Nitrophenol
Concen: 12.41 ng
RT: 11.48 min Scan# 901
Delta R.T. -0.06 min
Lab File: BF078749.D
Acq: 23 Apr 2015 15:26

Tgt Ion:139 Resp: 6731
Ion Ratio Lower Upper
139 100
109 0.0 36.7 76.7#
65 6.4 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





#57

Fluorene

Concen: 6.68 ng

RT: 12.11 min Scan# 956

Delta R.T. -0.00 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

Instrument :

BNA_F

ClientSampleId :

SB-79D

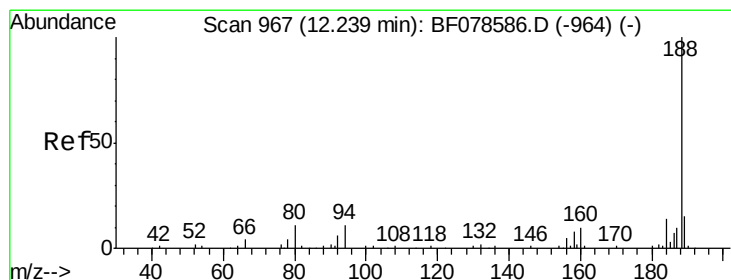
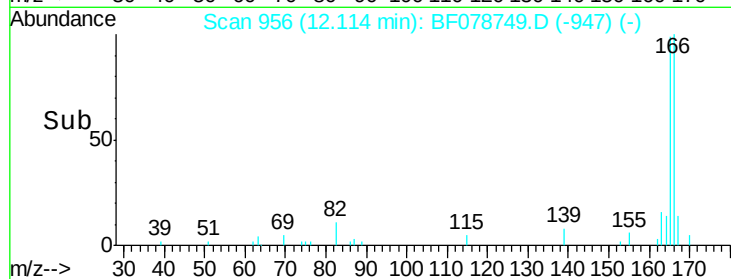
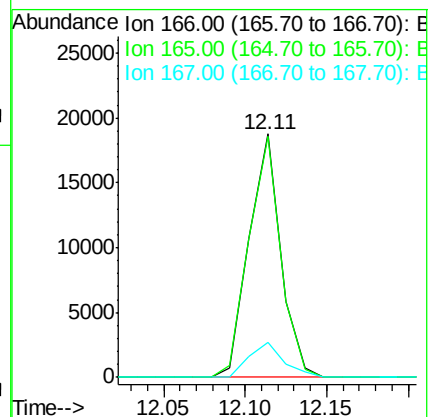
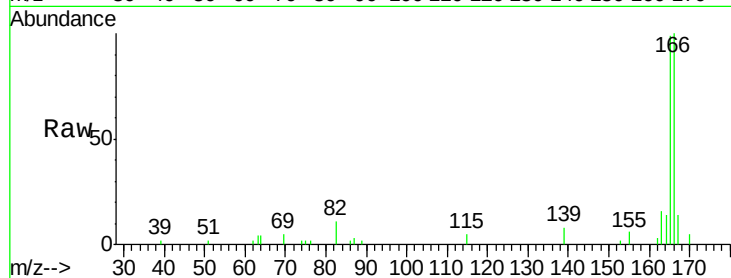
Tgt Ion:166 Resp: 25214

Ion Ratio Lower Upper

166 100

165 99.1 78.9 118.3

167 14.3 10.7 16.1



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 13.83 min Scan# 1106

Delta R.T. -0.00 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

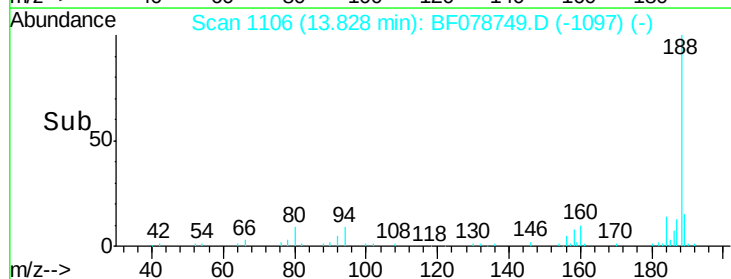
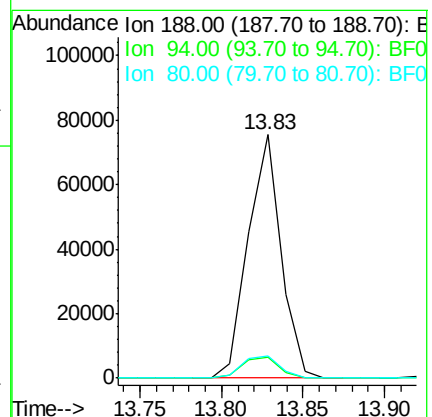
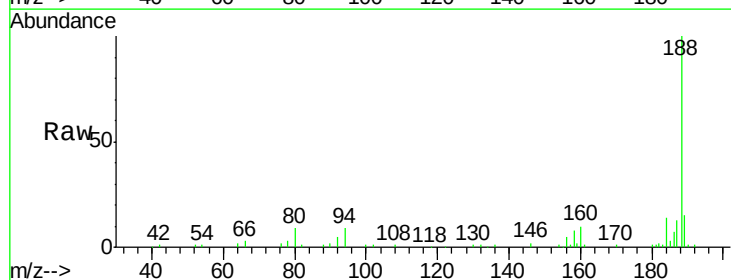
Tgt Ion:188 Resp: 105387

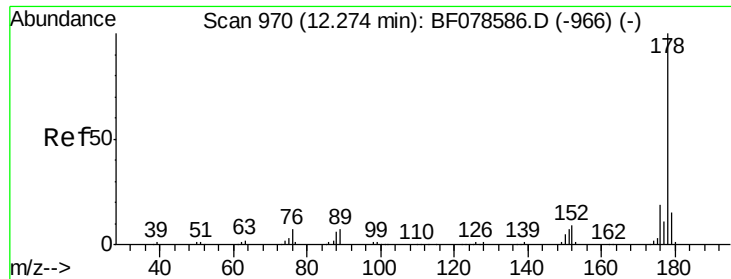
Ion Ratio Lower Upper

188 100

94 8.7 9.0 13.4#

80 9.1 9.5 14.3#

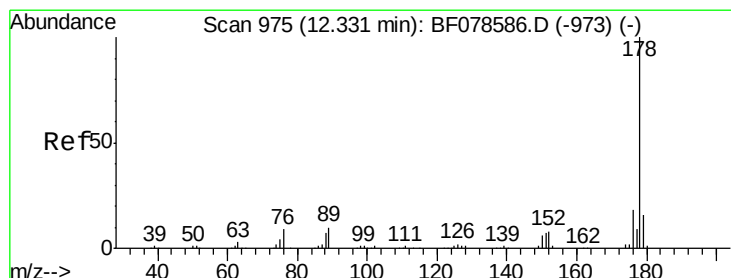
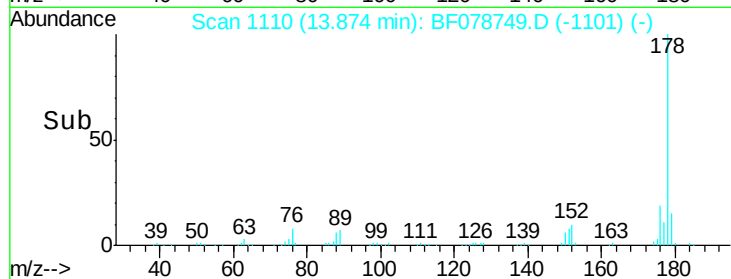
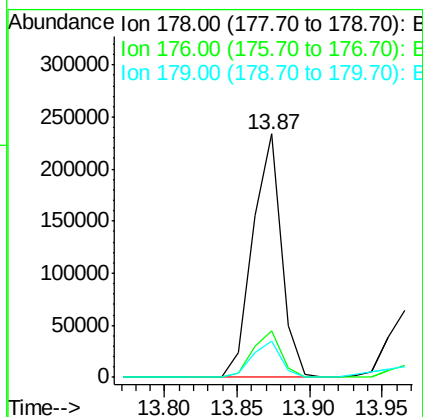
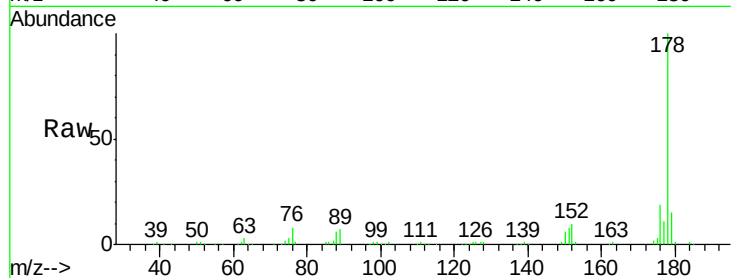




#70
 Phenanthrene
 Concen: 52.51 ng
 RT: 13.87 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: BF078749.D
 Acq: 23 Apr 2015 15:26

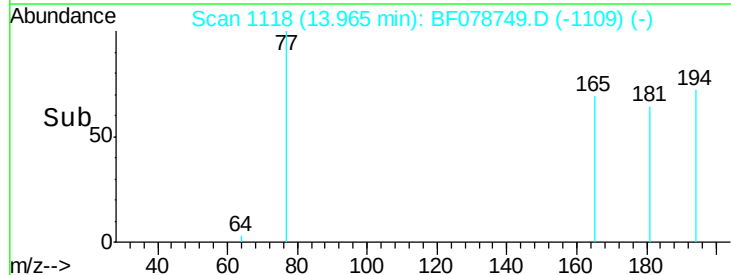
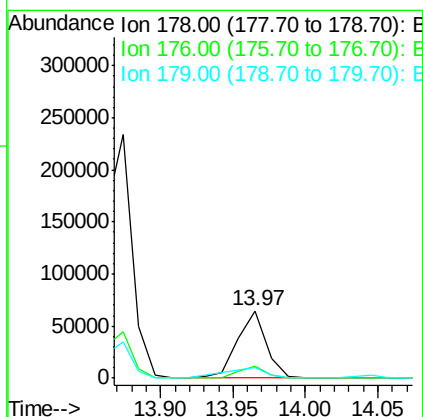
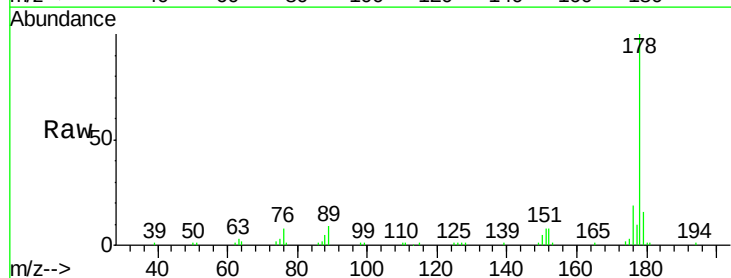
Instrument :
 BNA_F
 ClientSampleId :
 SB-79D

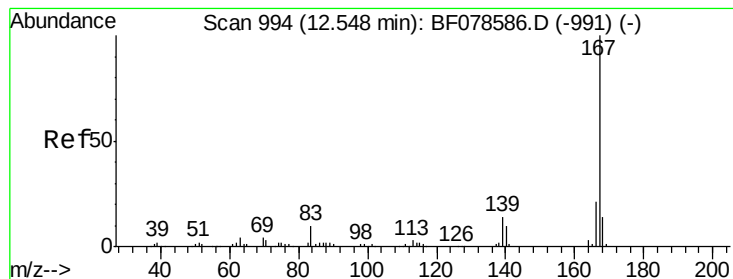
Tgt Ion:178 Resp: 320078
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.0
 179 15.0 12.2 18.2



#71
 Anthracene
 Concen: 14.89 ng
 RT: 13.97 min Scan# 1118
 Delta R.T. -0.00 min
 Lab File: BF078749.D
 Acq: 23 Apr 2015 15:26

Tgt Ion:178 Resp: 89474
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.8 22.2
 179 16.1 12.4 18.6





#72

Carbazole

Concen: 5.69 ng

RT: 14.31 min Scan# 1148

Delta R.T. -0.00 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

Instrument :

BNA_F

ClientSampleId :

SB-79D

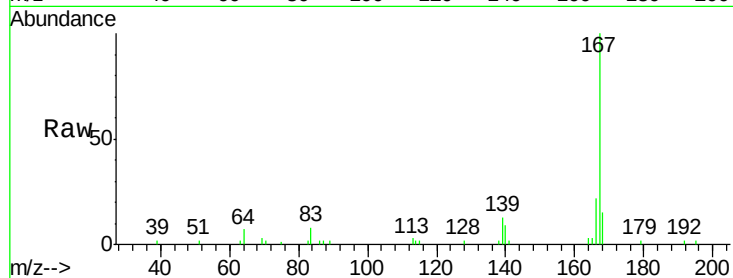
Tgt Ion:167 Resp: 32054

Ion Ratio Lower Upper

167 100

166 21.7 16.8 25.2

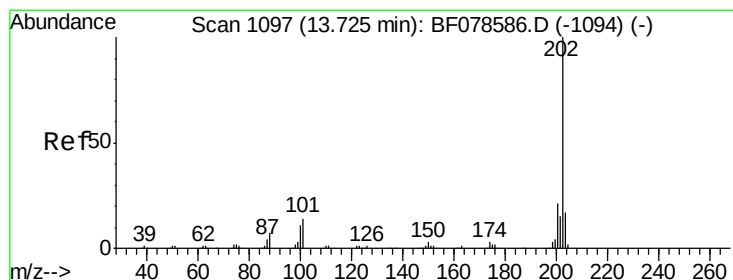
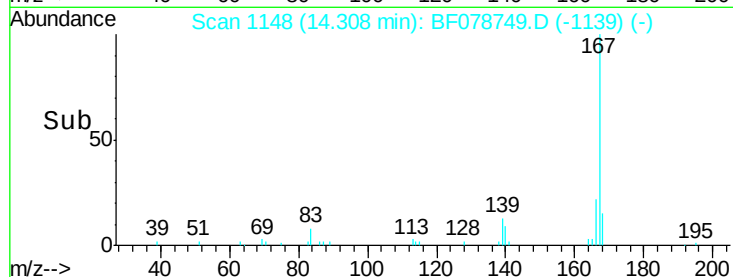
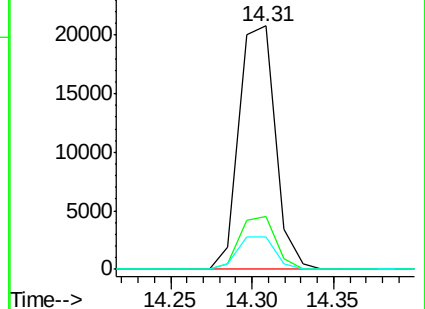
139 13.2 10.0 15.0



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: 47.92 ng

RT: 15.77 min Scan# 1276

Delta R.T. -0.00 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

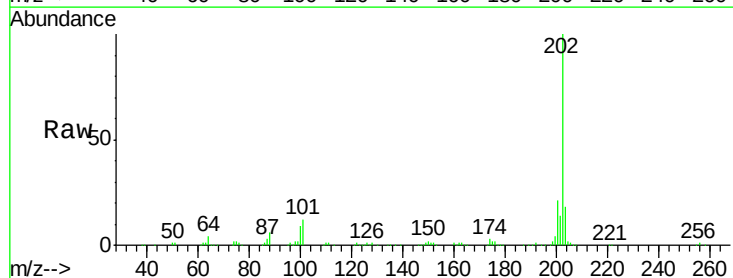
Tgt Ion:202 Resp: 308053

Ion Ratio Lower Upper

202 100

101 11.7 0.0 35.2

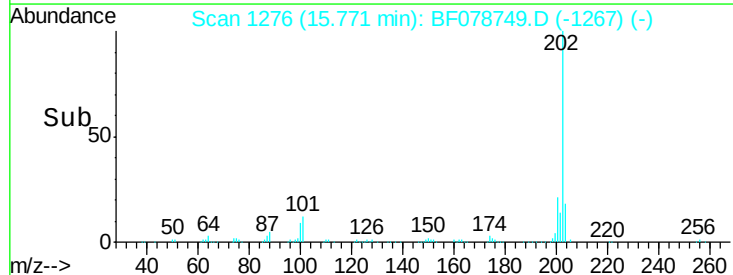
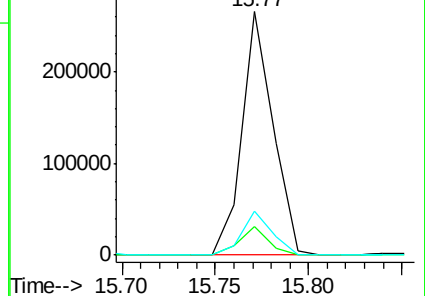
203 17.8 0.0 38.5

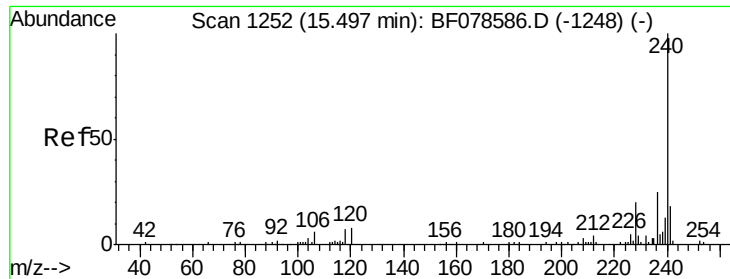


Abundance Ion 202.00 (201.70 to 202.70): E

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: 17.71 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

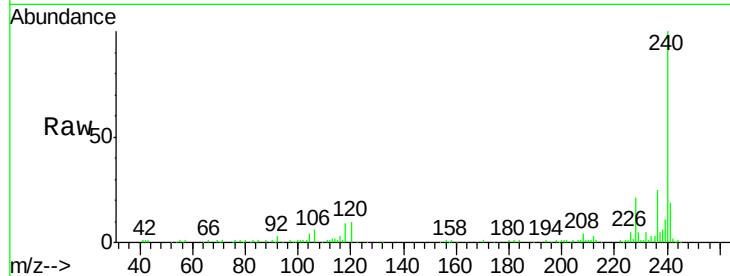
Instrument :

BNA_F

ClientSampleId :

SB-79D

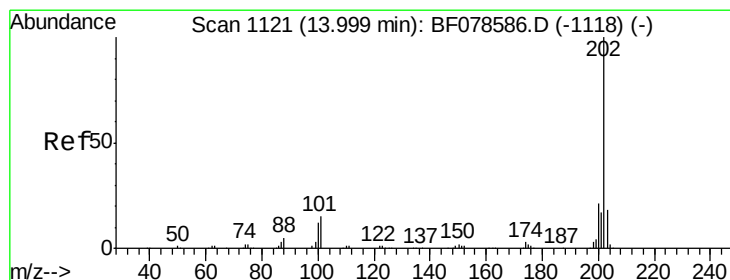
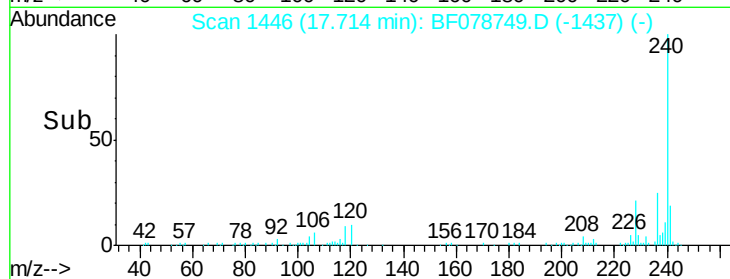
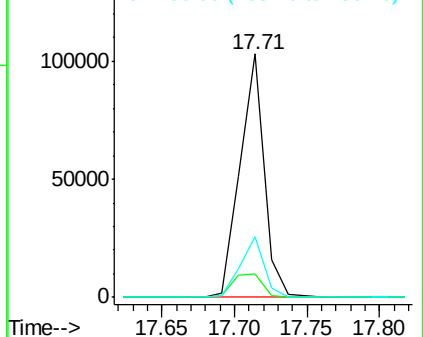
Tgt Ion:	240	Resp:	118840
Ion	Ratio	Lower	Upper
240	100		
120	9.8	7.1	10.7
236	25.1	21.4	32.2



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: 36.86 ng

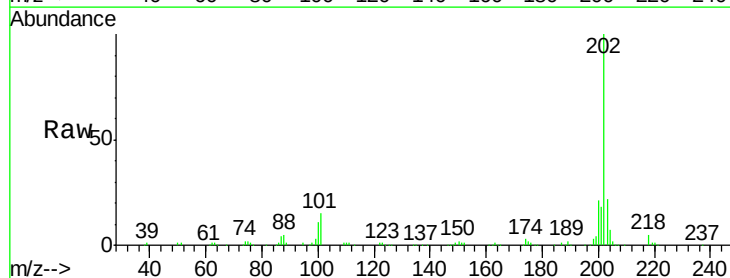
RT: 16.08 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

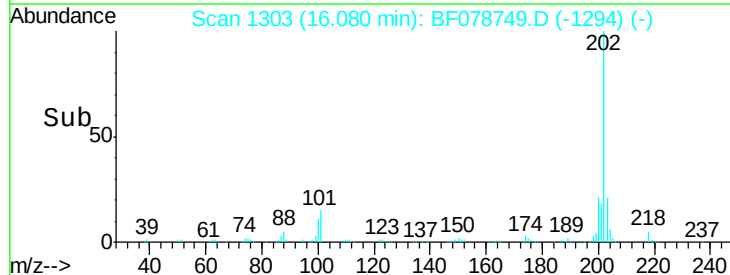
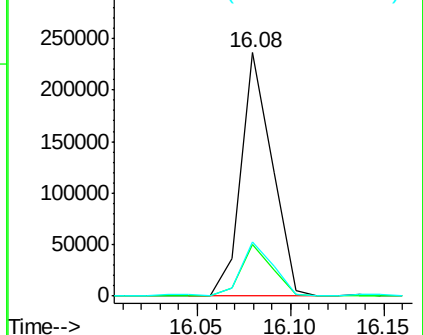
Tgt Ion:	202	Resp:	274989
Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.3	24.5
203	22.0	13.8	20.6#

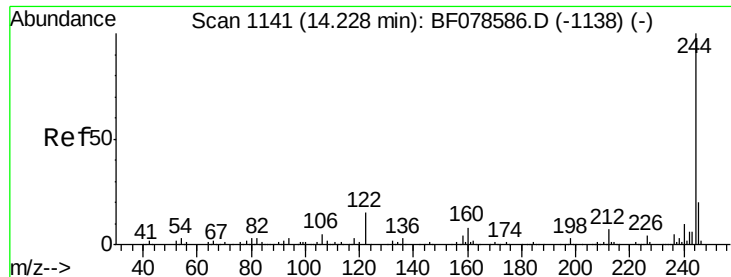


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

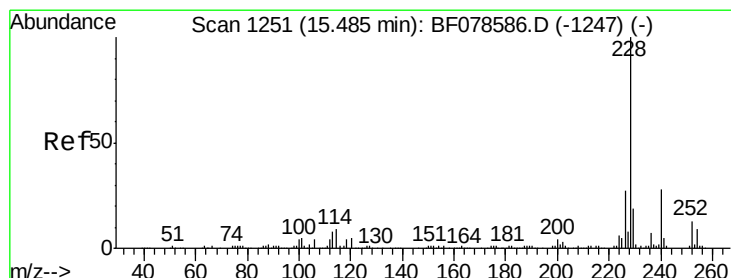
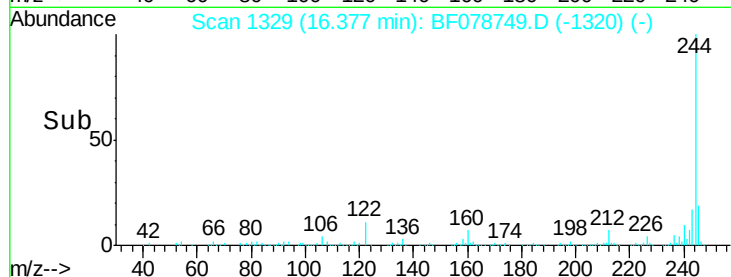
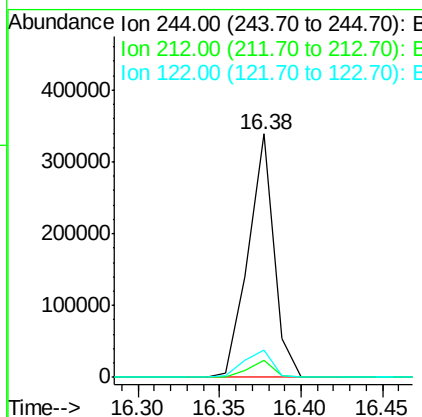
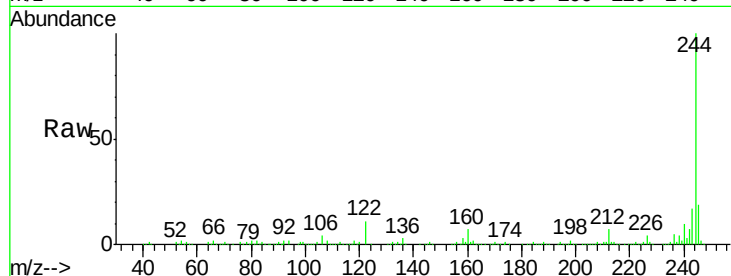




#78
 Terphenyl-d14
 Concen: 70.56 ng
 RT: 16.38 min Scan# 1329
 Delta R.T. -0.00 min
 Lab File: BF078749.D
 Acq: 23 Apr 2015 15:26

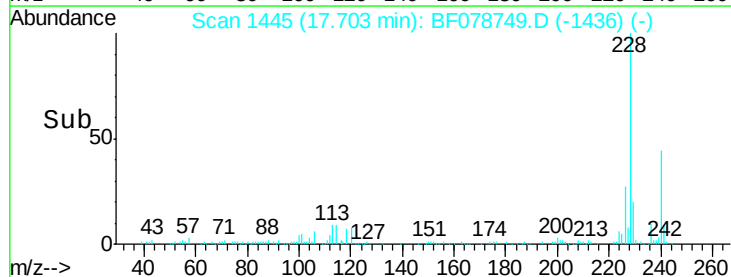
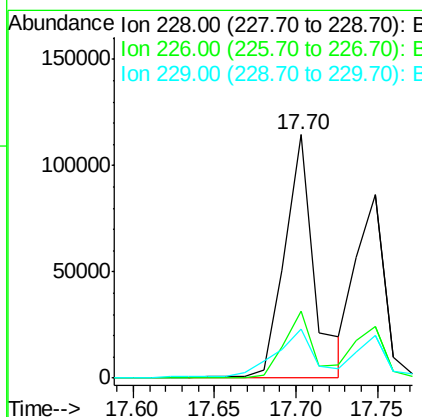
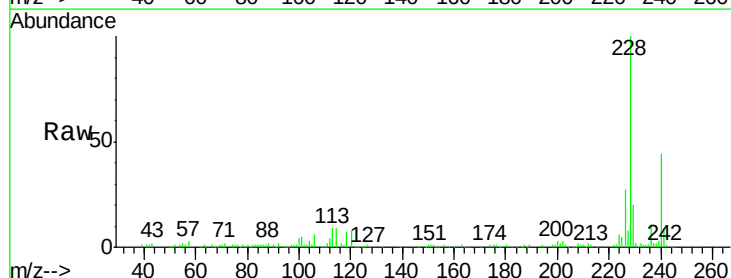
Instrument :
 BNA_F
 ClientSampleId :
 SB-79D

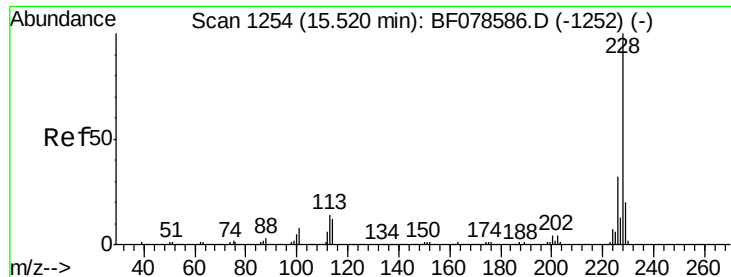
Tgt Ion:244 Resp: 371092
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.0 7.4
 122 11.0 7.1 10.7#



#80
 Benzo(a)anthracene
 Concen: 20.63 ng
 RT: 17.70 min Scan# 1445
 Delta R.T. -0.00 min
 Lab File: BF078749.D
 Acq: 23 Apr 2015 15:26

Tgt Ion:228 Resp: 145849
 Ion Ratio Lower Upper
 228 100
 226 27.5 21.3 31.9
 229 20.1 15.4 23.2





#82

Chrysene

Concen: 15.79 ng

RT: 17.75 min Scan# 1449

Delta R.T. -0.00 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

Instrument :

BNA_F

ClientSampleId :

SB-79D

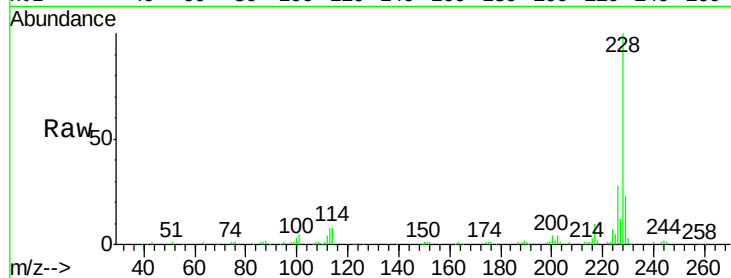
Tgt Ion:228 Resp: 104893

Ion Ratio Lower Upper

228 100

226 28.4 24.2 36.4

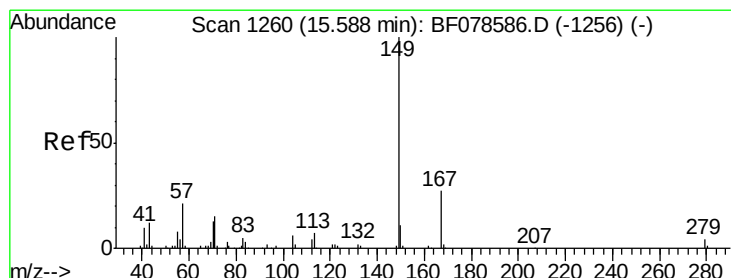
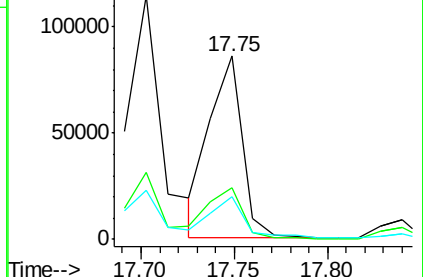
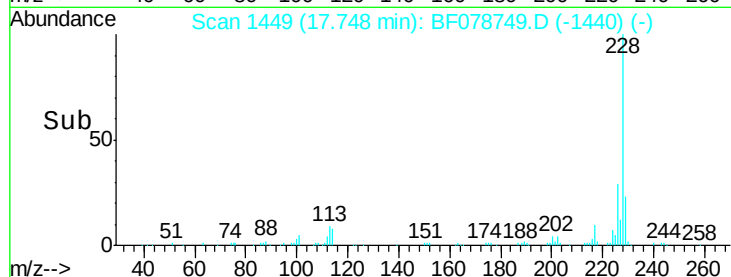
229 23.5 15.8 23.8



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 5.66 ng

RT: 17.85 min Scan# 1458

Delta R.T. -0.00 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

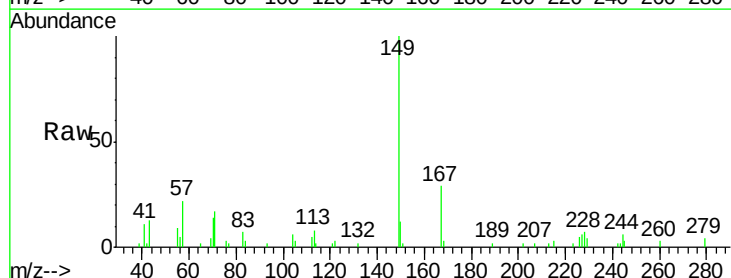
Tgt Ion:149 Resp: 25220

Ion Ratio Lower Upper

149 100

167 28.7 22.2 33.2

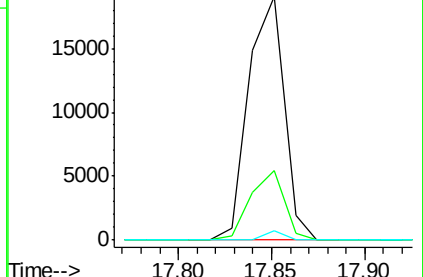
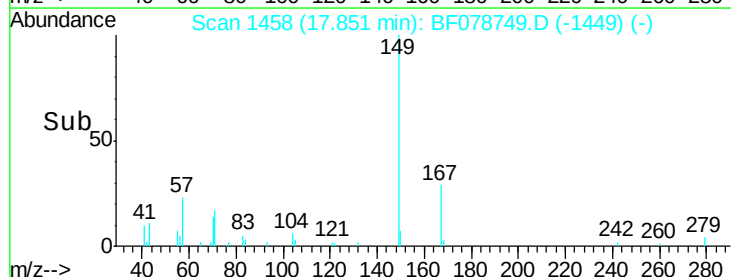
279 4.1 3.2 4.8

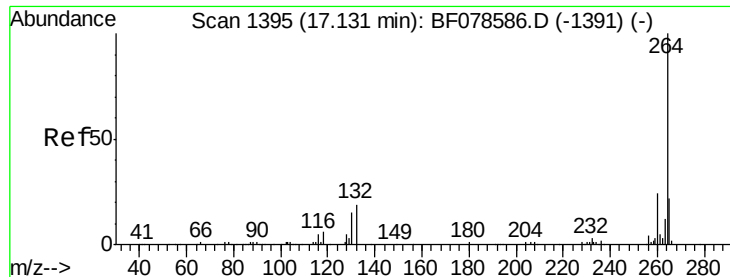


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

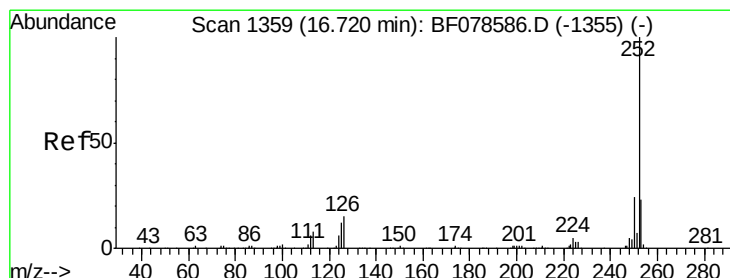
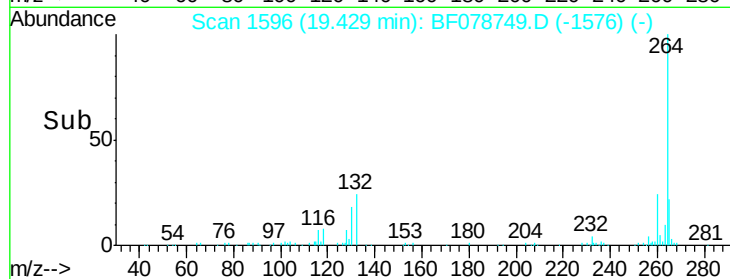
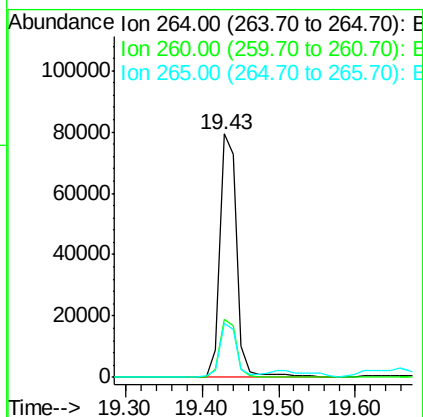
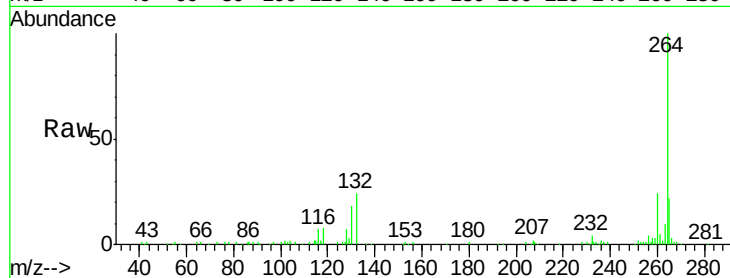




#86
Perylene-d12
Concen: 20.00 ng
RT: 19.43 min Scan# 1596
Delta R.T. -0.07 min
Lab File: BF078749.D
Acq: 23 Apr 2015 15:26

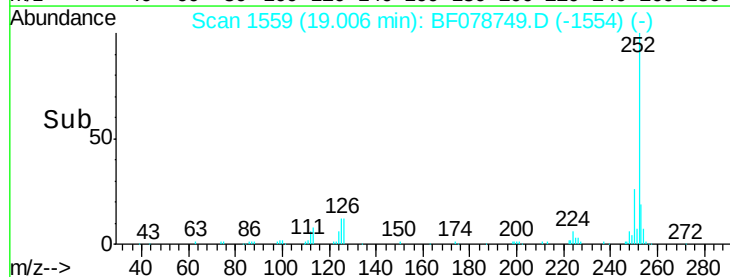
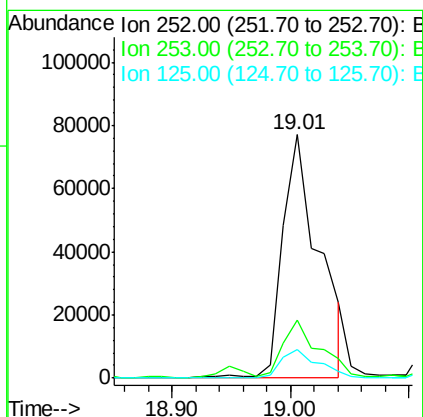
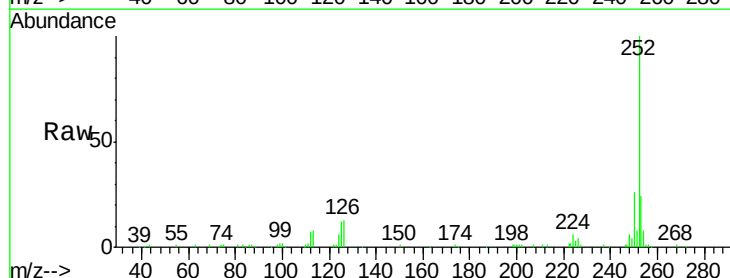
Instrument :
BNA_F
ClientSampleId :
SB-79D

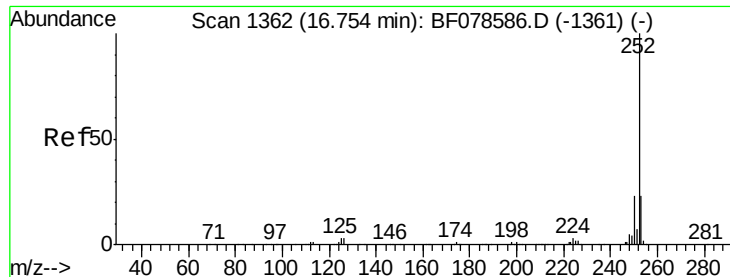
Tgt Ion:264 Resp: 122476
Ion Ratio Lower Upper
264 100
260 23.9 18.6 27.8
265 22.3 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 21.49 ng
RT: 19.01 min Scan# 1559
Delta R.T. -0.05 min
Lab File: BF078749.D
Acq: 23 Apr 2015 15:26

Tgt Ion:252 Resp: 162633
Ion Ratio Lower Upper
252 100
253 24.1 17.2 25.8
125 11.7 7.0 10.4#

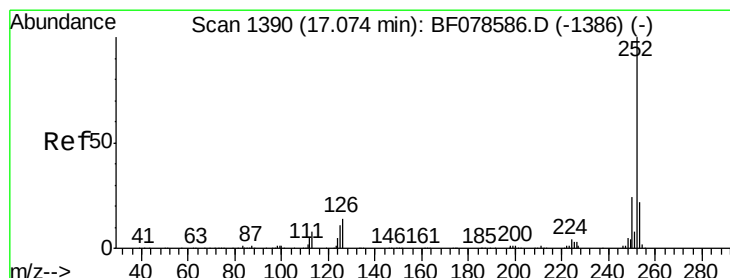
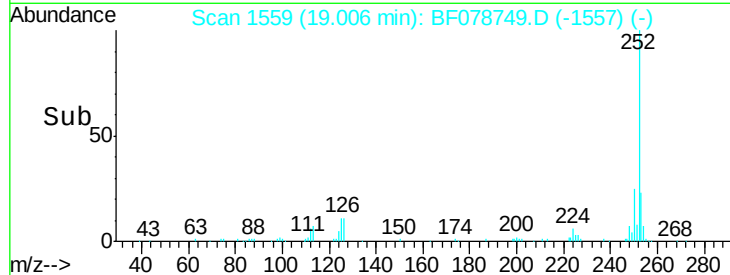
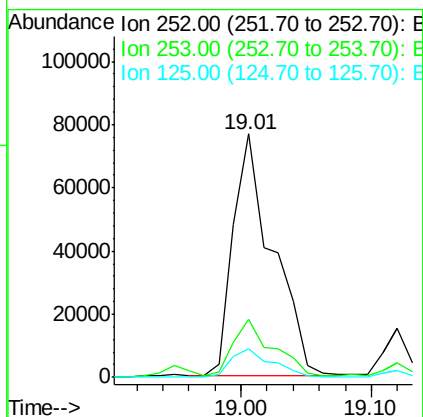
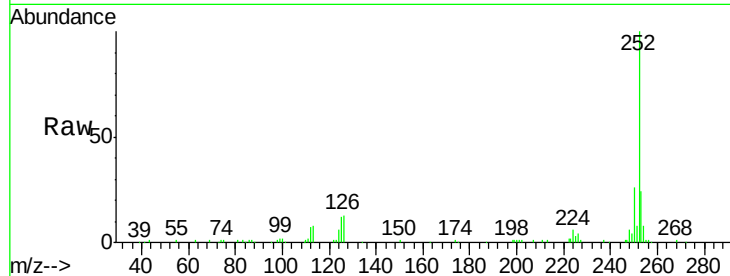




#88
Benzo(k)fluoranthene
Concen: 23.91 ng
RT: 19.01 min Scan# 1559
Delta R.T. -0.08 min
Lab File: BF078749.D
Acq: 23 Apr 2015 15:26

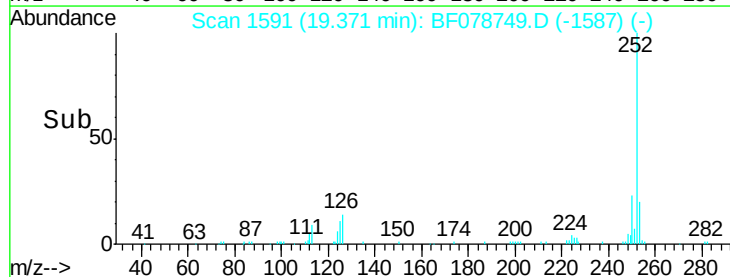
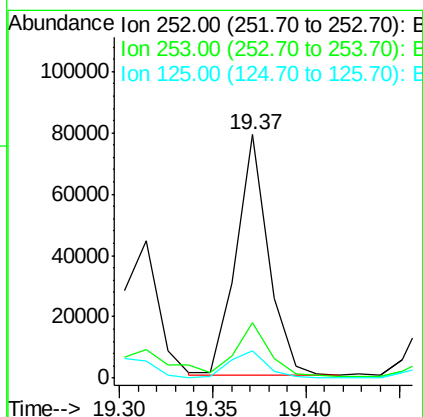
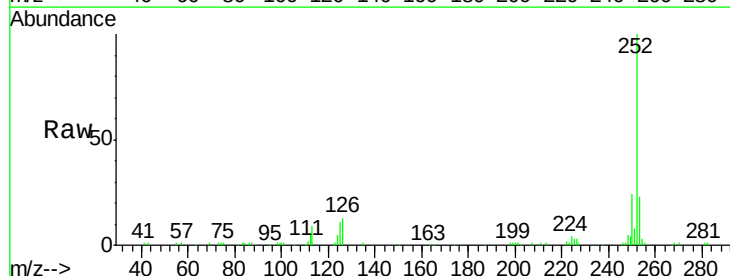
Instrument :
BNA_F
ClientSampled :
SB-79D

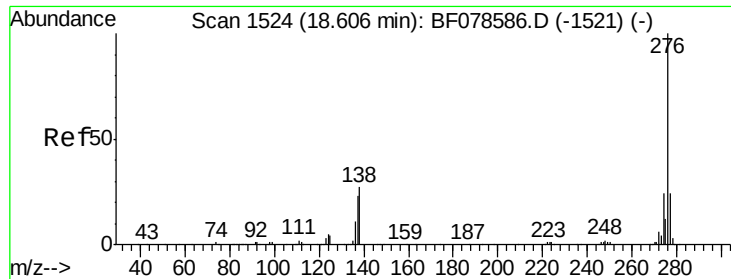
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	11.7	11.6	17.4



#89
Benzo(a)pyrene
Concen: 14.25 ng
RT: 19.37 min Scan# 1591
Delta R.T. -0.06 min
Lab File: BF078749.D
Acq: 23 Apr 2015 15:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	16.8	25.2
125	11.3	7.4	11.0#





#91

Benzo(g,h,i)perylene

Concen: 6.52 ng

RT: 20.91 min Scan# 1726

Delta R.T. -0.13 min

Lab File: BF078749.D

Acq: 23 Apr 2015 15:26

Instrument :

BNA_F

ClientSampleId :

SB-79D

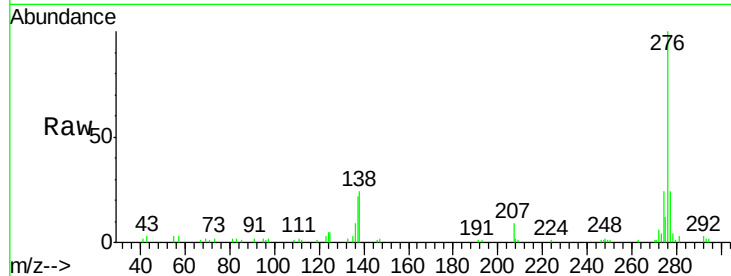
Tgt Ion: 276 Resp: 43240

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 24.3 19.9 29.9



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

