

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042315\
 Data File : BF078759.D
 Acq On : 23 Apr 2015 20:37
 Operator : TP/IZ
 Sample : G1991-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-76D

Quant Time: Apr 24 01:06:38 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

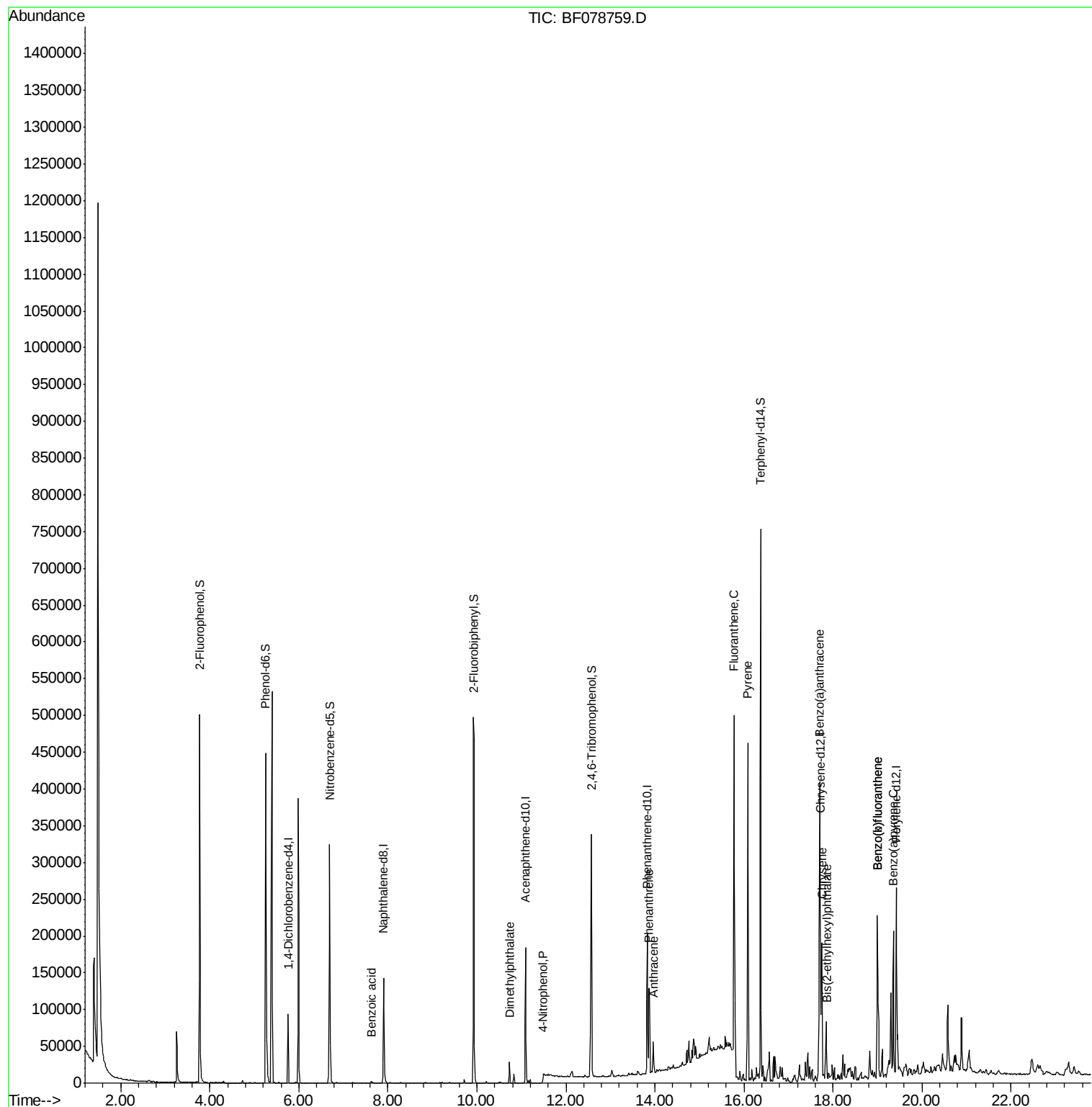
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	23270	20.00	ng	0.01
21) Naphthalene-d8	7.91	136	100265	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	51655	20.00	ng	0.00
63) Phenanthrene-d10	13.83	188	107938	20.00	ng	0.00
75) Chrysene-d12	17.71	240	119672	20.00	ng	0.00
86) Perylene-d12	19.42	264	124296	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.77	112	182977	129.65	ng	0.00
7) Phenol-d6	5.26	99	240378	135.90	ng	0.00
23) Nitrobenzene-d5	6.70	82	142260	86.00	ng	0.00
41) 2,4,6-Tribromophenol	12.57	330	64715	151.06	ng	0.00
44) 2-Fluorobiphenyl	9.93	172	274919	76.08	ng	0.00
78) Terphenyl-d14	16.38	244	308514	58.25	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	7.62	122	1286	7.36	ng	93
49) Dimethylphthalate	10.73	163	18578	4.79	ng	100
55) 4-Nitrophenol	11.48	139	468	3.44	ng	# 18
70) Phenanthrene	13.87	178	78561	12.58	ng	98
71) Anthracene	13.97	178	28274	4.60	ng	99
74) Fluoranthene	15.77	202	227514	34.55	ng	97
77) Pyrene	16.08	202	225973	30.08	ng	# 96
80) Benzo(a)anthracene	17.70	228	128604	18.06	ng	99
82) Chrysene	17.75	228	92149	13.77	ng	98
83) Bis(2-ethylhexyl)phthalate	17.85	149	19629	4.37	ng	96
87) Benzo(b)fluoranthene	18.99	252	165282	21.52	ng	# 97
88) Benzo(k)fluoranthene	18.99	252	170320	24.95	ng	# 96
89) Benzo(a)pyrene	19.36	252	97728	14.58	ng	97

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

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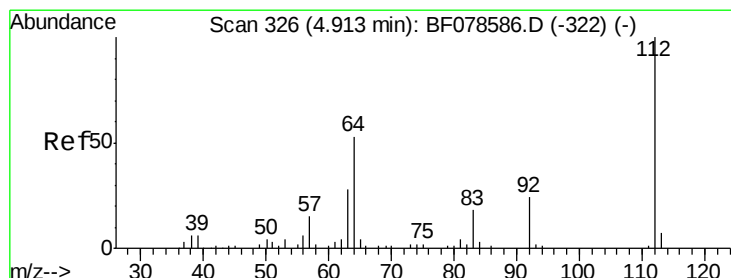
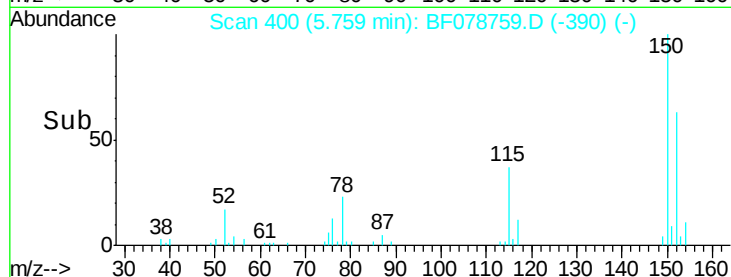
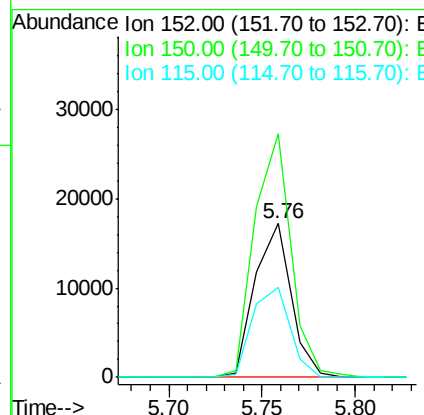
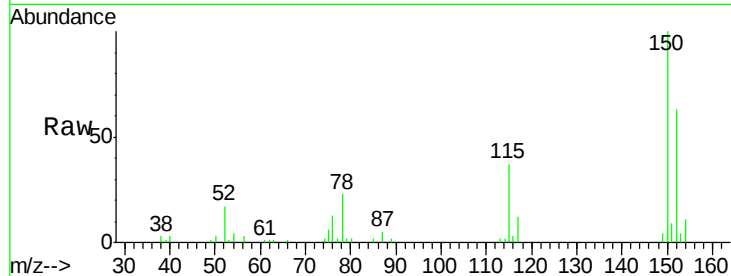




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.76 min Scan# 400
 Delta R.T. 0.01 min
 Lab File: BF078759.D
 Acq: 23 Apr 2015 20:37

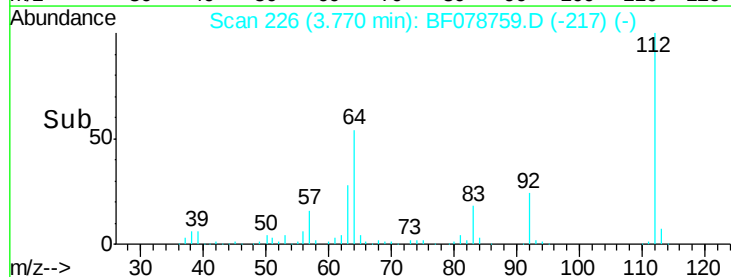
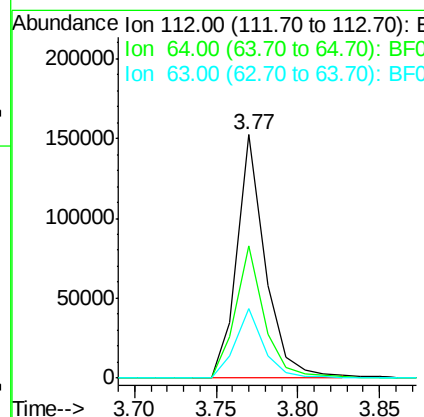
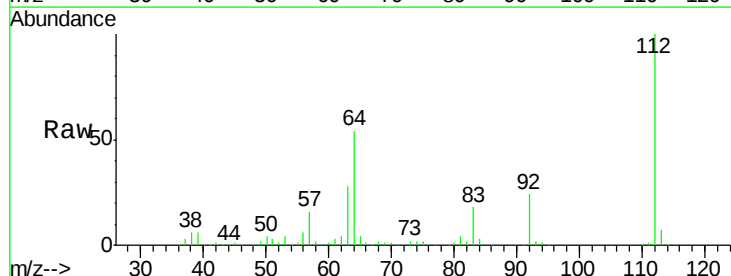
Instrument :
 BNA_F
 ClientSampleId :
 SB-76D

Tgt Ion:152 Resp: 23270
 Ion Ratio Lower Upper
 152 100
 150 158.6 125.9 188.9
 115 58.7 52.7 79.1



#5
 2-Fluorophenol
 Concen: 129.65 ng
 RT: 3.77 min Scan# 226
 Delta R.T. -0.00 min
 Lab File: BF078759.D
 Acq: 23 Apr 2015 20:37

Tgt Ion:112 Resp: 182977
 Ion Ratio Lower Upper
 112 100
 64 54.3 39.9 59.9
 63 28.3 20.2 30.4





#7

Phenol-d6

Concen: 135.90 ng

RT: 5.26 min Scan# 356

Delta R.T. -0.00 min

Lab File: BF078759.D

Acq: 23 Apr 2015 20:37

Instrument :

BNA_F

ClientSampleId :

SB-76D

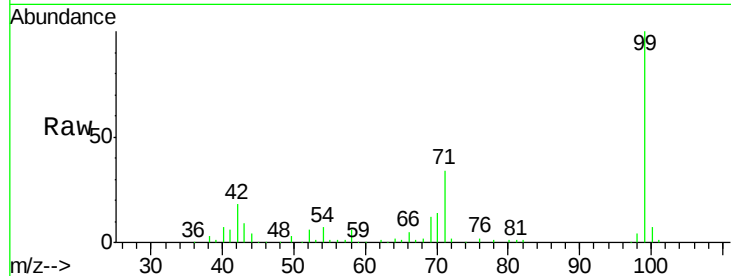
Tgt Ion: 99 Resp: 240378

Ion Ratio Lower Upper

99 100

42 18.1 14.8 22.2

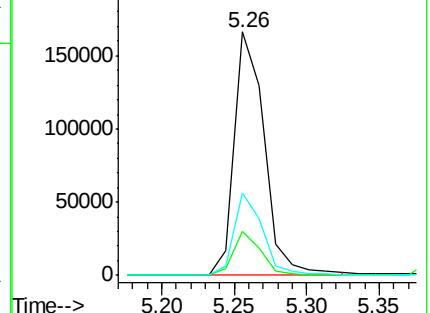
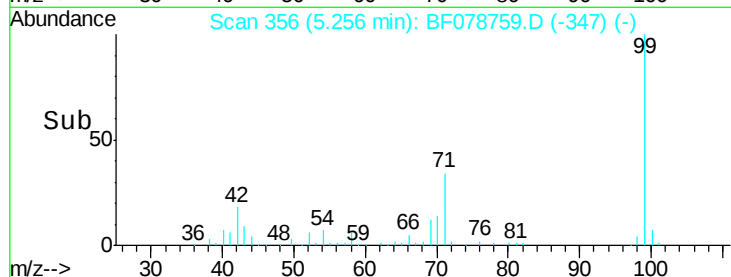
71 33.7 26.6 39.8



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: 7.91 min Scan# 588

Delta R.T. -0.00 min

Lab File: BF078759.D

Acq: 23 Apr 2015 20:37

Tgt Ion: 136 Resp: 100265

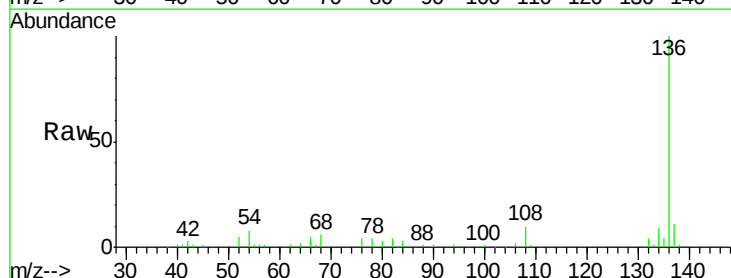
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 7.6 7.0 10.6

68 5.9 5.4 8.2

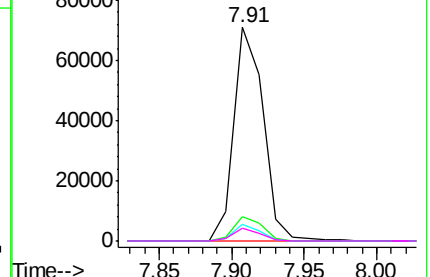
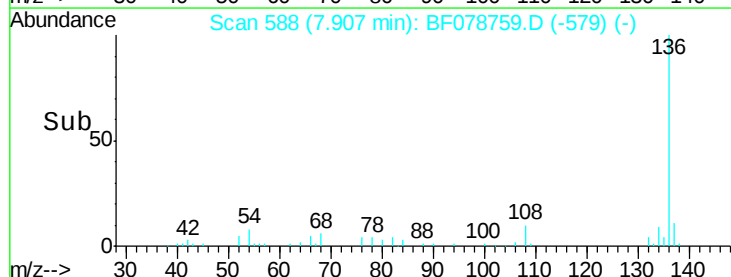


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.00 ng

RT: 6.70 min Scan# 482

Delta R.T. -0.00 min

Lab File: BF078759.D

Acq: 23 Apr 2015 20:37

Instrument :

BNA_F

ClientSampleId :

SB-76D

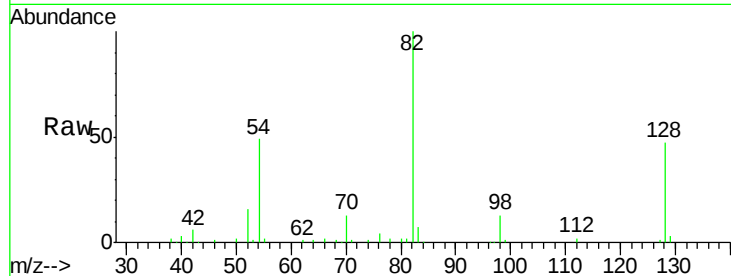
Tgt Ion: 82 Resp: 142260

Ion Ratio Lower Upper

82 100

128 47.3 31.8 47.8

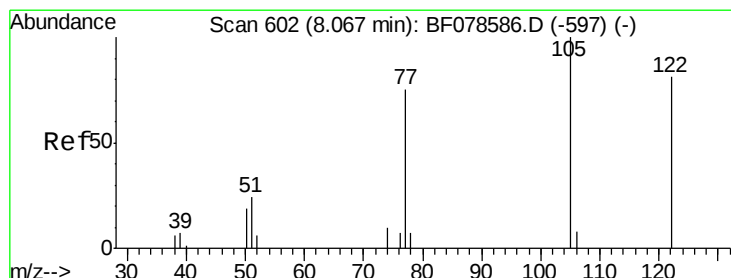
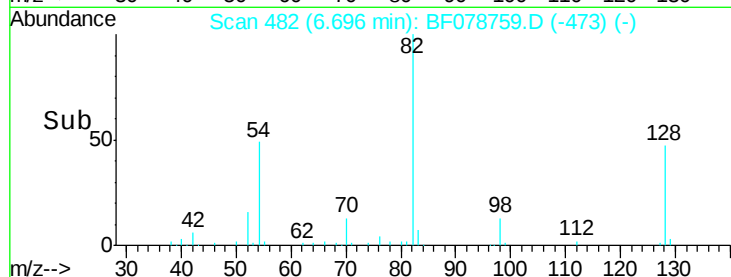
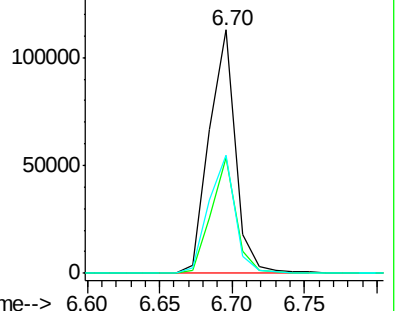
54 48.6 41.5 62.3



Abundance Ion 82.00 (81.70 to 82.70): BF078586.D (-540) (-)

Ion 128.00 (127.70 to 128.70): BF078586.D (-540) (-)

Ion 54.00 (53.70 to 54.70): BF078586.D (-540) (-)



#32

Benzoic acid

Concen: 7.36 ng

RT: 7.62 min Scan# 563

Delta R.T. -0.06 min

Lab File: BF078759.D

Acq: 23 Apr 2015 20:37

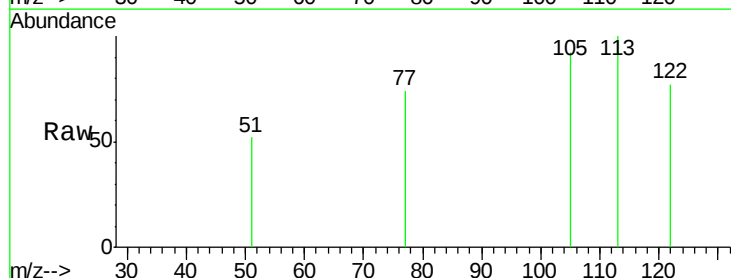
Tgt Ion: 122 Resp: 1286

Ion Ratio Lower Upper

122 100

105 119.4 96.1 136.1

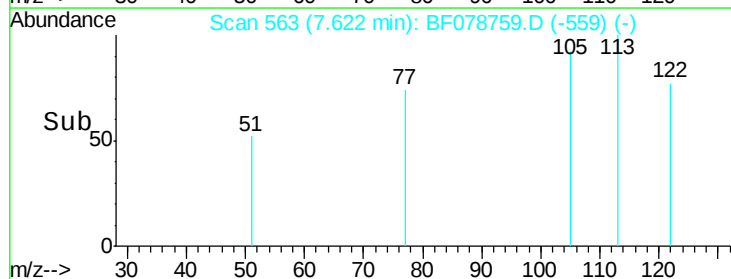
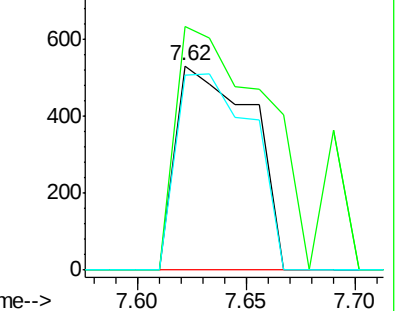
77 95.5 64.1 104.1

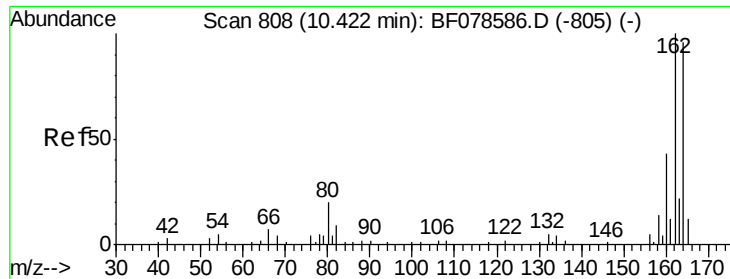


Abundance Ion 122.00 (121.70 to 122.70): BF078586.D (-597) (-)

Ion 105.00 (104.70 to 105.70): BF078586.D (-597) (-)

Ion 77.00 (76.70 to 77.70): BF078586.D (-597) (-)

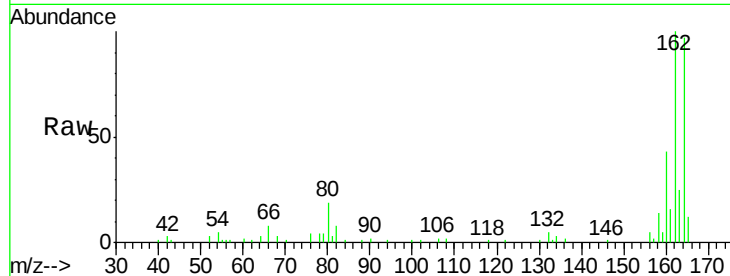




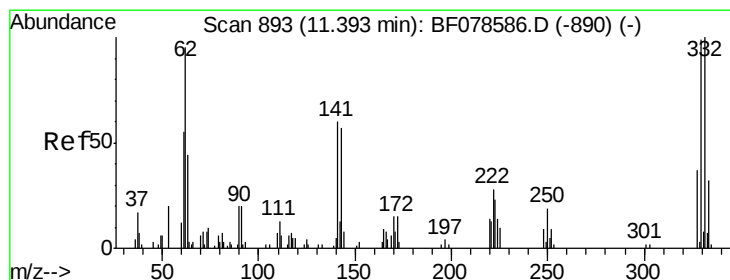
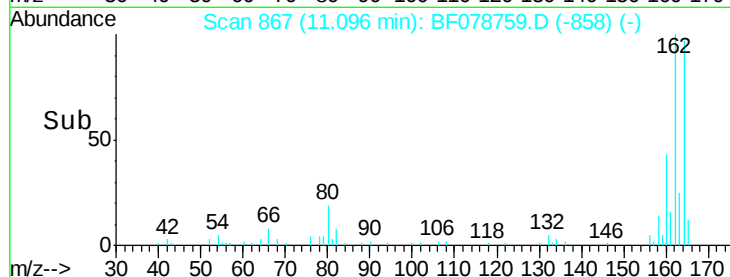
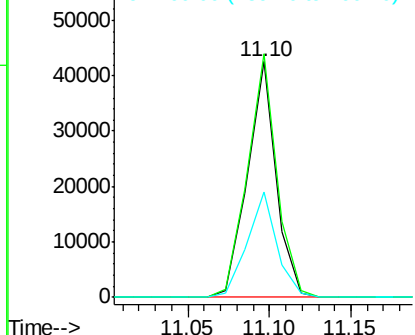
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. -0.00 min
 Lab File: BF078759.D
 Acq: 23 Apr 2015 20:37

Instrument :
 BNA_F
 ClientSampled :
 SB-76D

Tgt Ion:164 Resp: 51655
 Ion Ratio Lower Upper
 164 100
 162 103.3 82.2 123.2
 160 44.5 34.7 52.1

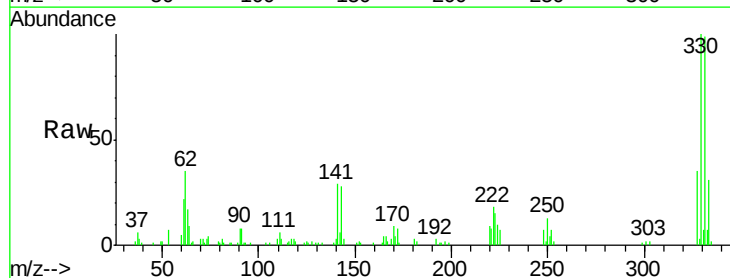


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

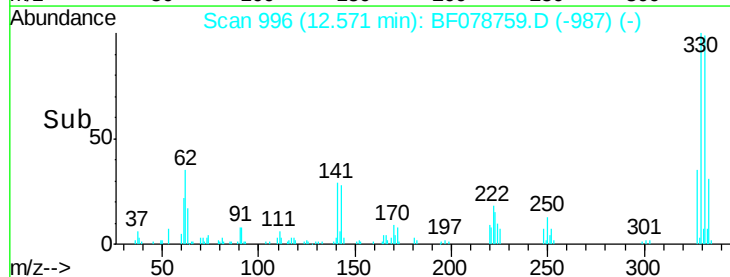
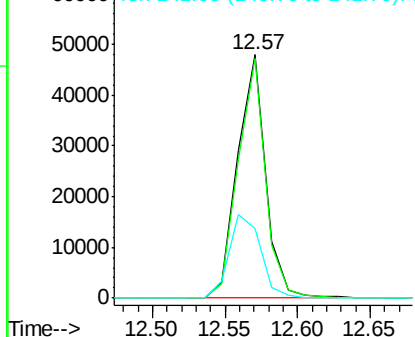


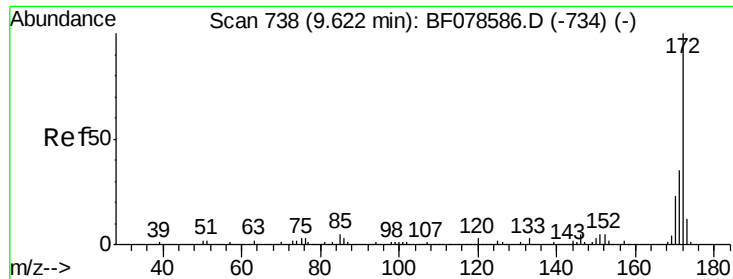
#41
 2,4,6-Tribromophenol
 Concen: 151.06 ng
 RT: 12.57 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: BF078759.D
 Acq: 23 Apr 2015 20:37

Tgt Ion:330 Resp: 64715
 Ion Ratio Lower Upper
 330 100
 332 95.9 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

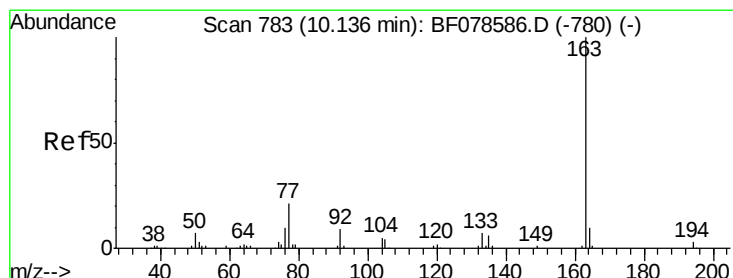
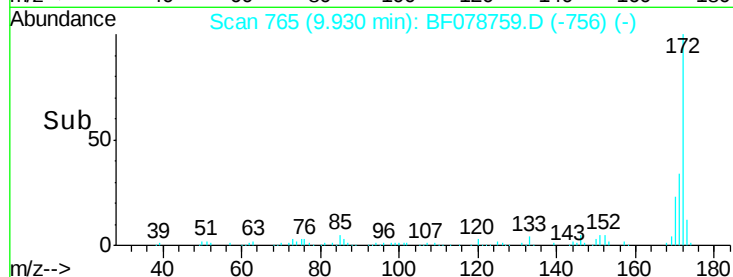
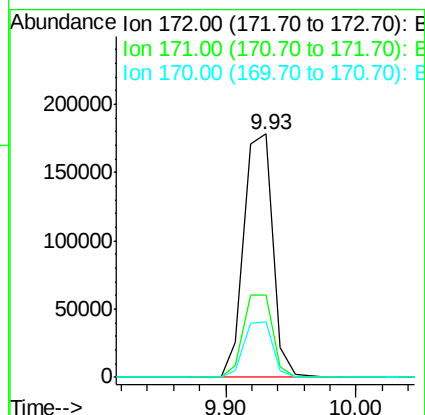
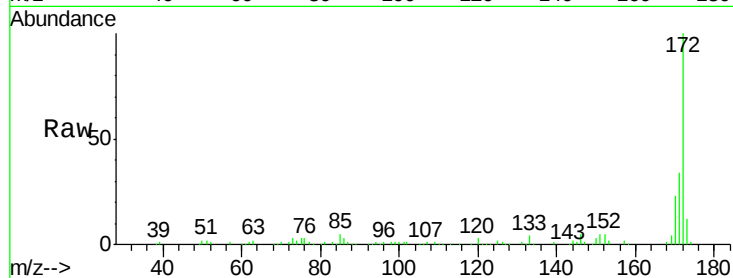




#44
2-Fluorobiphenyl
Concen: 76.08 ng
RT: 9.93 min Scan# 765
Delta R.T. -0.00 min
Lab File: BF078759.D
Acq: 23 Apr 2015 20:37

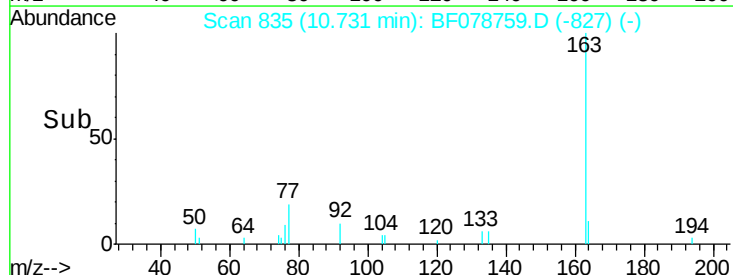
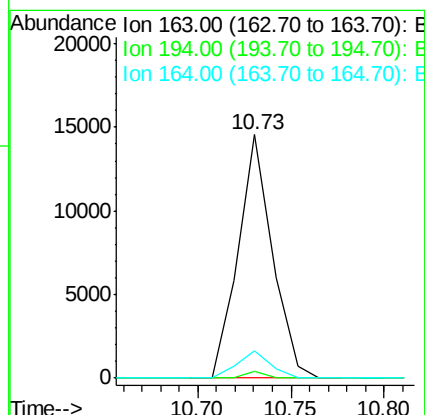
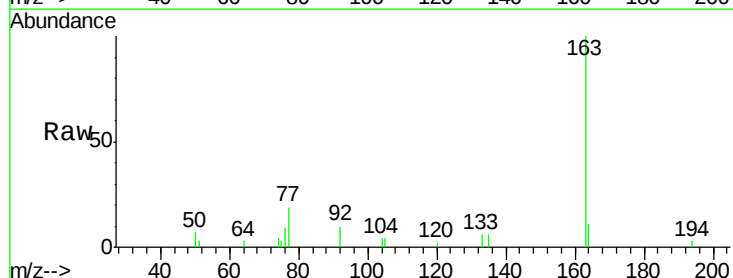
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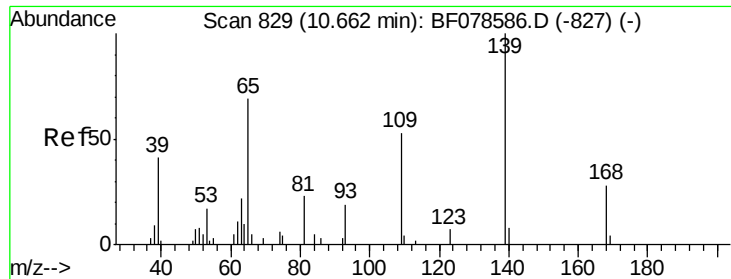
Tgt Ion:172 Resp: 274919
Ion Ratio Lower Upper
172 100
171 34.0 28.6 42.8
170 22.8 18.5 27.7



#49
Dimethylphthalate
Concen: 4.79 ng
RT: 10.73 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF078759.D
Acq: 23 Apr 2015 20:37

Tgt Ion:163 Resp: 18578
Ion Ratio Lower Upper
163 100
194 2.8 2.3 3.5
164 11.0 8.6 13.0

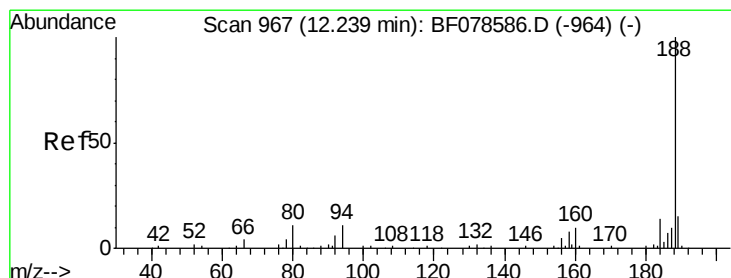
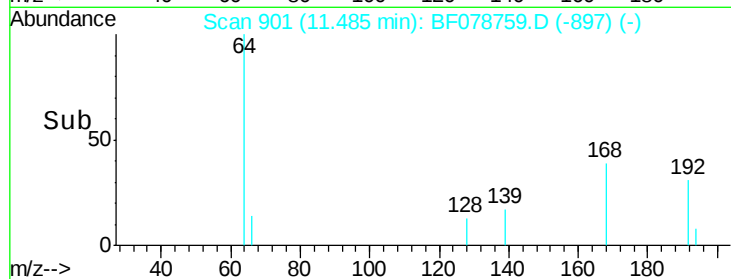
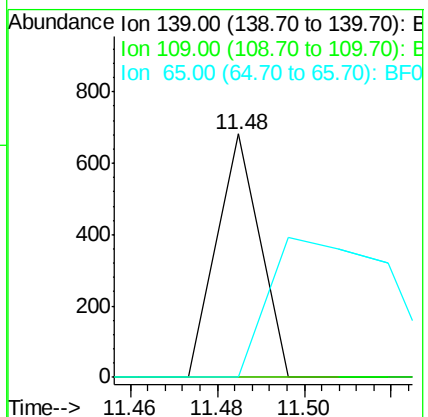
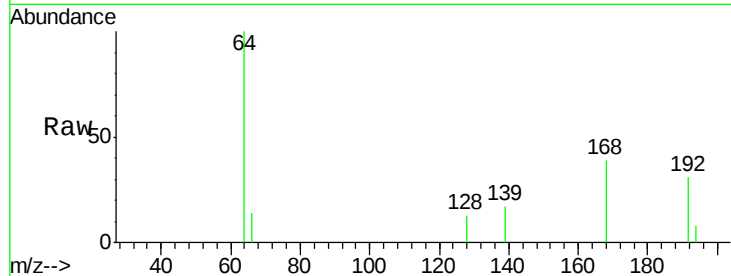




#55
4-Nitrophenol
Concen: 3.44 ng
RT: 11.48 min Scan# 901
Delta R.T. -0.06 min
Lab File: BF078759.D
Acq: 23 Apr 2015 20:37

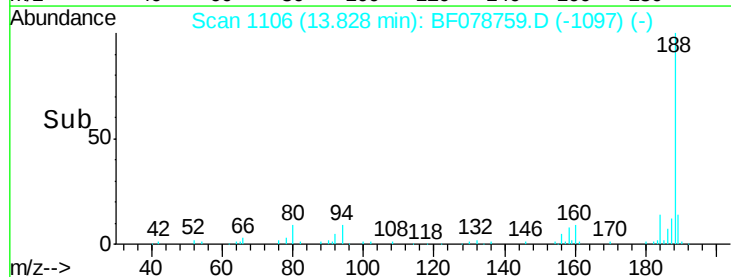
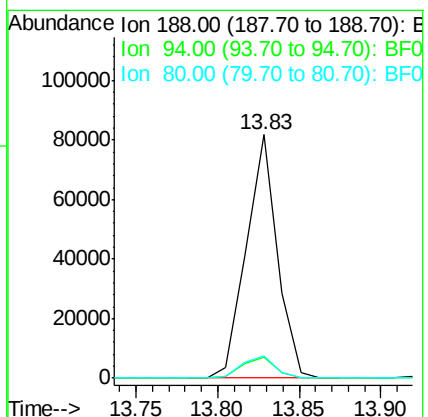
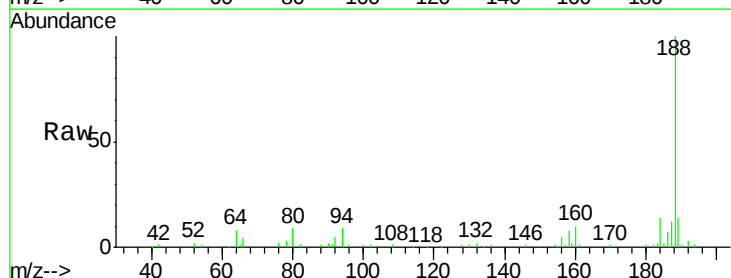
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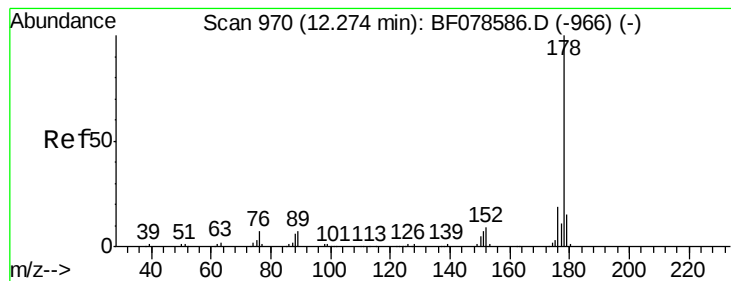
Tgt Ion:139 Resp: 468
Ion Ratio Lower Upper
139 100
109 0.0 36.7 76.7#
65 0.0 49.9 89.9#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.83 min Scan# 1106
Delta R.T. -0.00 min
Lab File: BF078759.D
Acq: 23 Apr 2015 20:37

Tgt Ion:188 Resp: 107938
Ion Ratio Lower Upper
188 100
94 8.8 9.0 13.4#
80 9.2 9.5 14.3#





#70

Phenanthrene

Concen: 12.58 ng

RT: 13.87 min Scan# 1110

Delta R.T. -0.00 min

Lab File: BF078759.D

Acq: 23 Apr 2015 20:37

Instrument :

BNA_F

ClientSampleId :

SB-76D

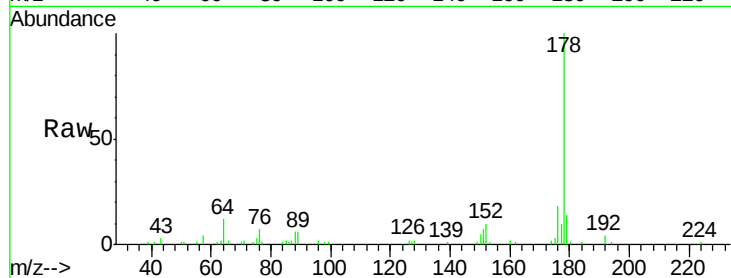
Tgt Ion:178 Resp: 78561

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.0

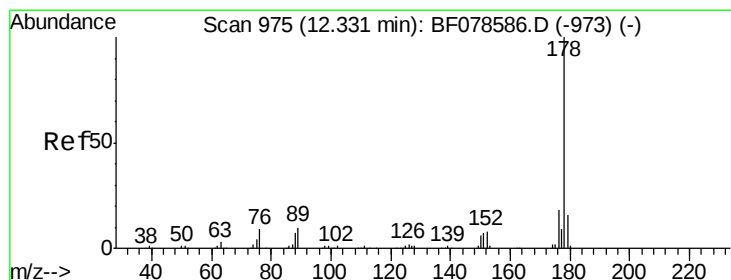
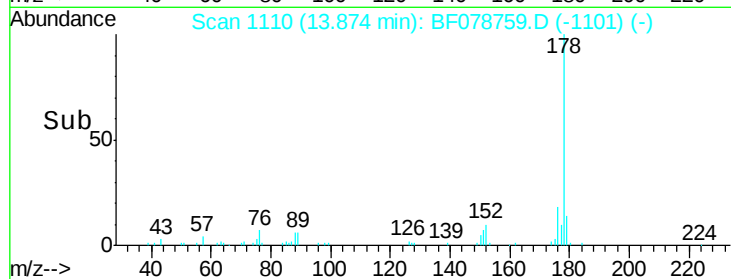
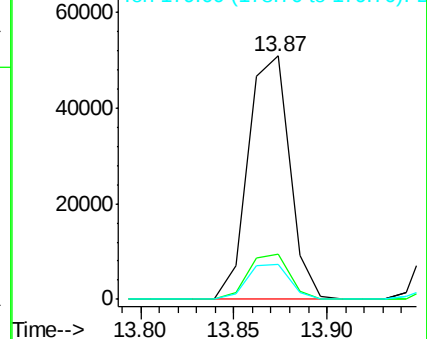
179 14.4 12.2 18.2



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: 4.60 ng

RT: 13.97 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BF078759.D

Acq: 23 Apr 2015 20:37

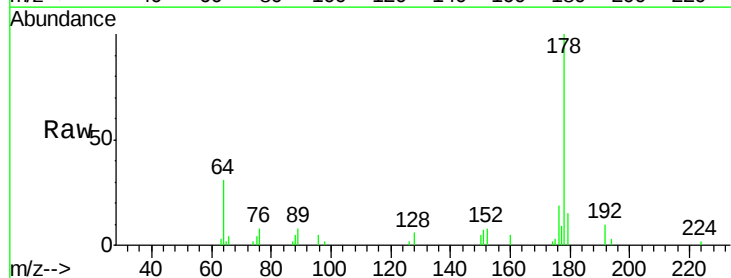
Tgt Ion:178 Resp: 28274

Ion Ratio Lower Upper

178 100

176 18.9 14.8 22.2

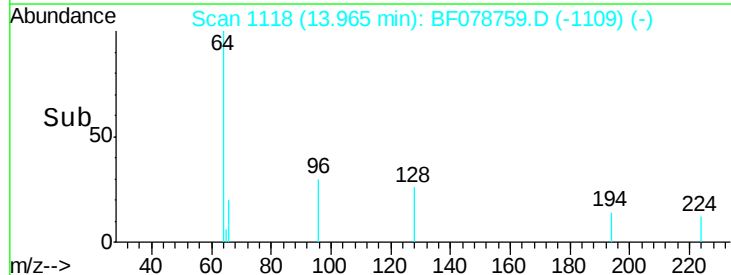
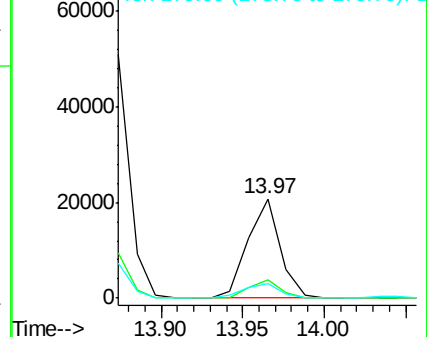
179 14.8 12.4 18.6

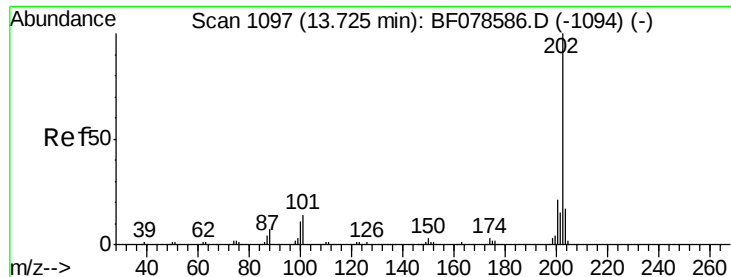


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 34.55 ng

RT: 15.77 min Scan# 1276

Delta R.T. -0.00 min

Lab File: BF078759.D

Acq: 23 Apr 2015 20:37

Instrument :

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ClientSampleId :

SB-76D

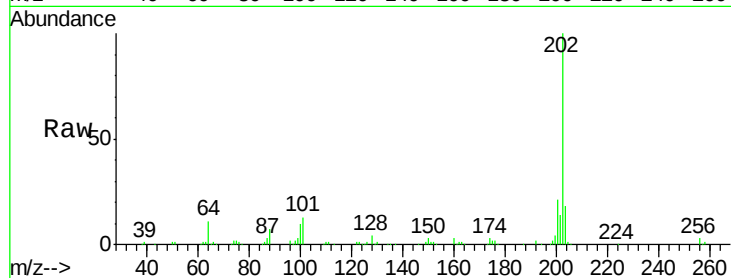
Tgt Ion:202 Resp: 227514

Ion Ratio Lower Upper

202 100

101 13.4 0.0 35.2

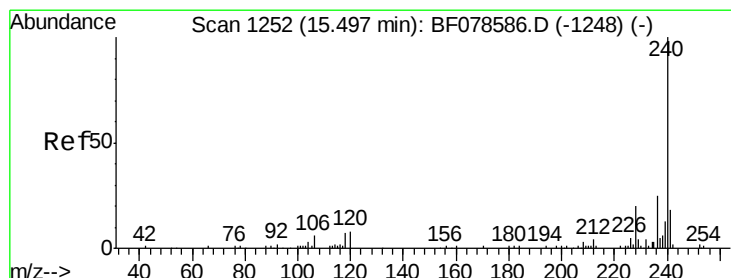
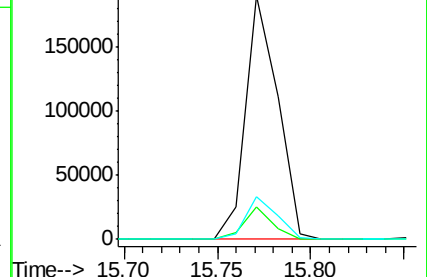
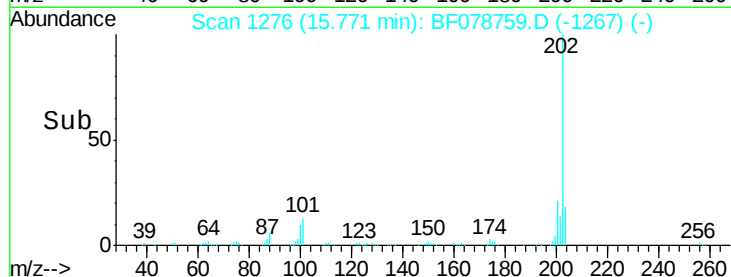
203 17.5 0.0 38.5



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: 17.71 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BF078759.D

Acq: 23 Apr 2015 20:37

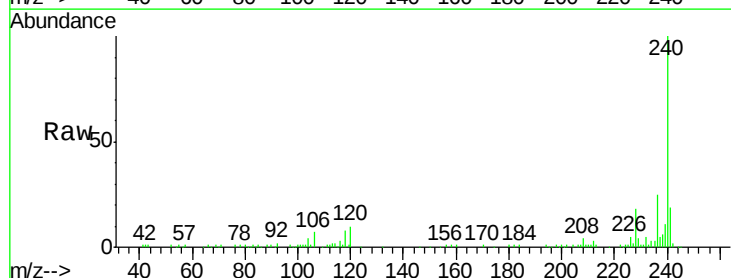
Tgt Ion:240 Resp: 119672

Ion Ratio Lower Upper

240 100

120 9.7 7.1 10.7

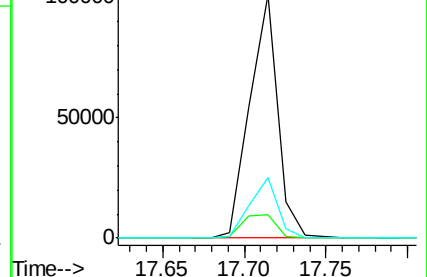
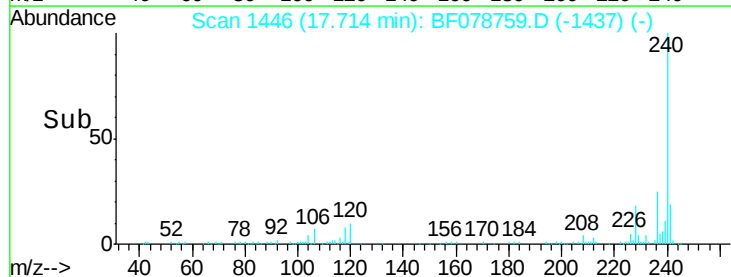
236 25.1 21.4 32.2

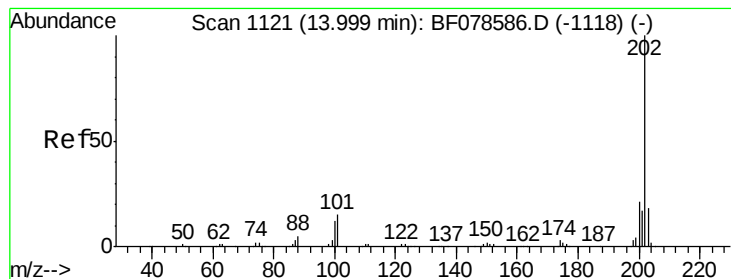


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 30.08 ng

RT: 16.08 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF078759.D

Acq: 23 Apr 2015 20:37

Instrument :

BNA_F

ClientSampleId :

SB-76D

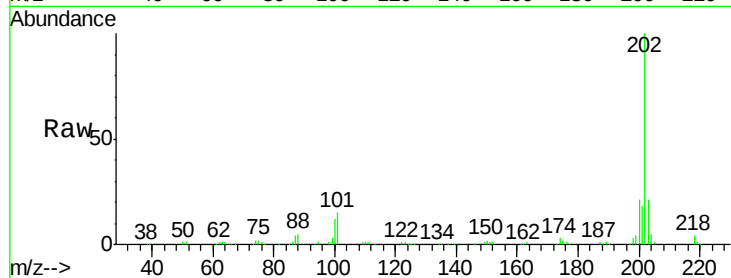
Tgt Ion:202 Resp: 225973

Ion Ratio Lower Upper

202 100

200 21.1 16.3 24.5

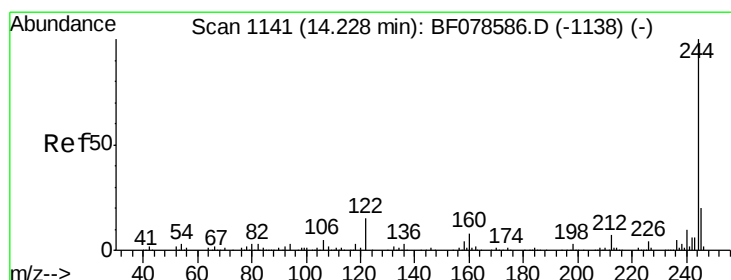
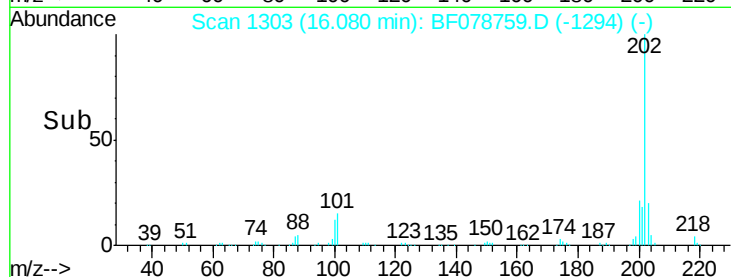
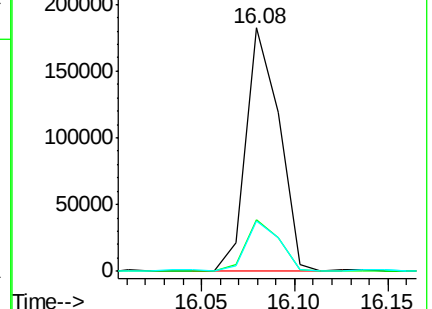
203 20.7 13.8 20.6#



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: 58.25 ng

RT: 16.38 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BF078759.D

Acq: 23 Apr 2015 20:37

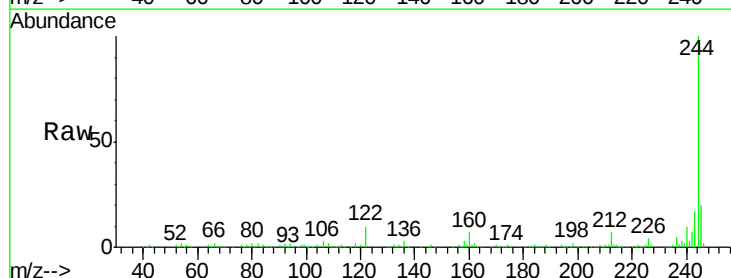
Tgt Ion:244 Resp: 308514

Ion Ratio Lower Upper

244 100

212 6.7 5.0 7.4

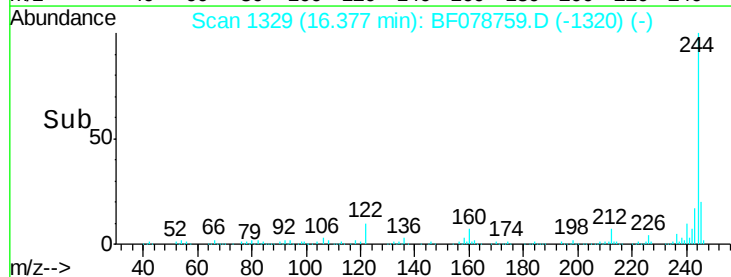
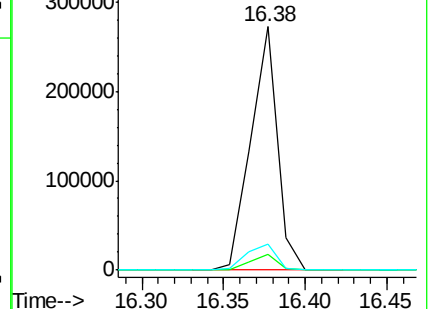
122 10.5 7.1 10.7

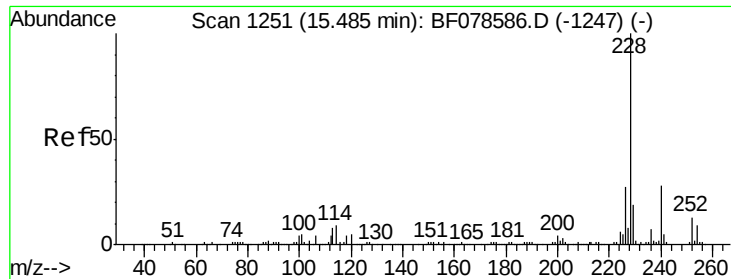


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 18.06 ng

RT: 17.70 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BF078759.D

Acq: 23 Apr 2015 20:37

Instrument :

BNA_F

ClientSampleId :

SB-76D

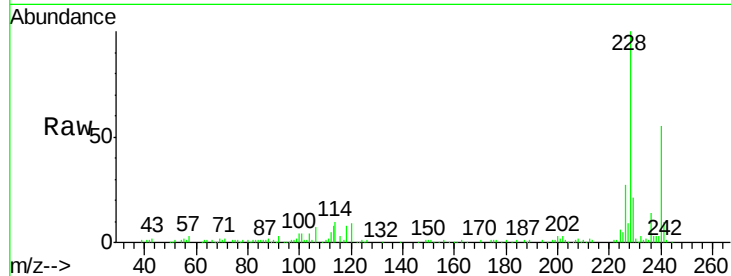
Tgt Ion:228 Resp: 128604

Ion Ratio Lower Upper

228 100

226 26.7 21.3 31.9

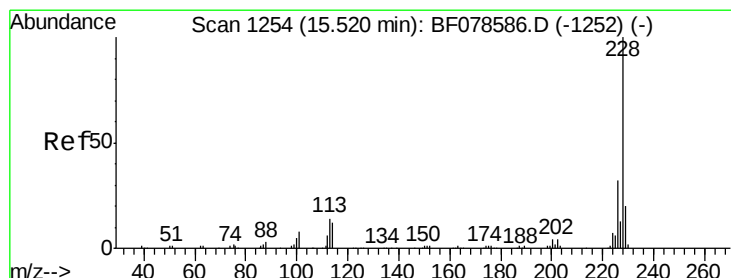
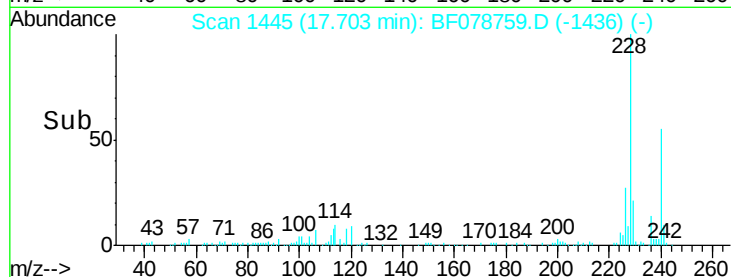
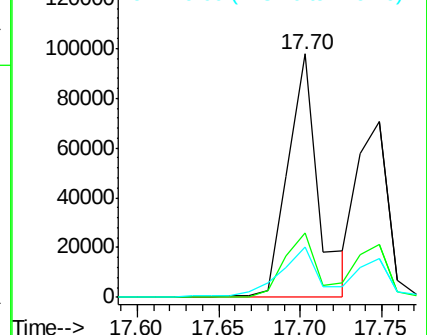
229 20.6 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 13.77 ng

RT: 17.75 min Scan# 1449

Delta R.T. -0.00 min

Lab File: BF078759.D

Acq: 23 Apr 2015 20:37

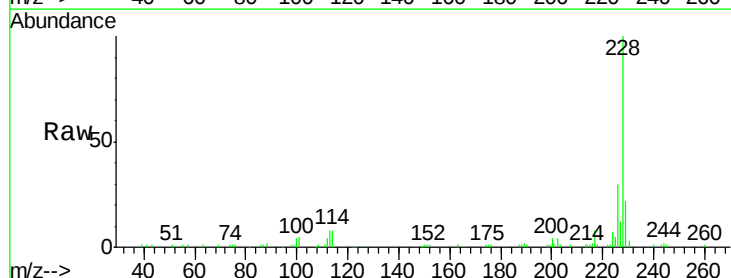
Tgt Ion:228 Resp: 92149

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.4

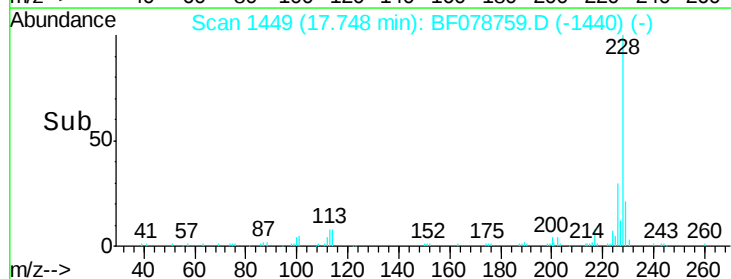
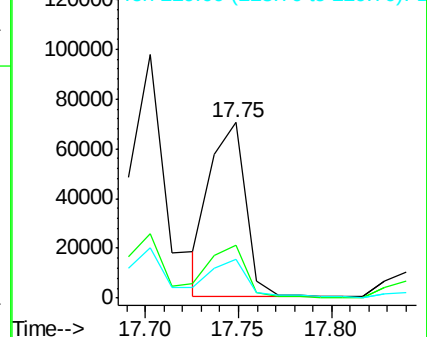
229 22.0 15.8 23.8

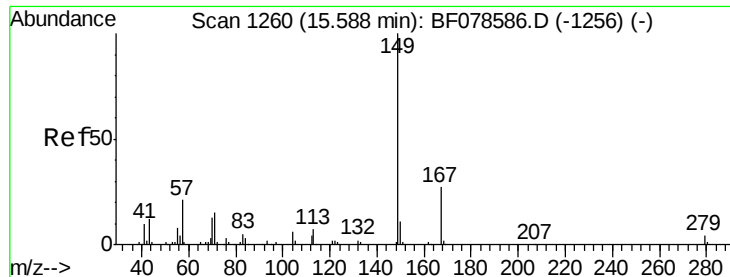


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

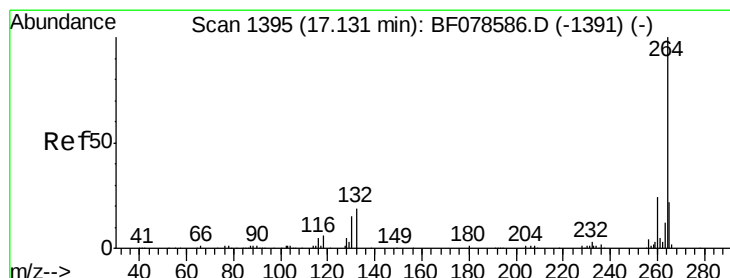
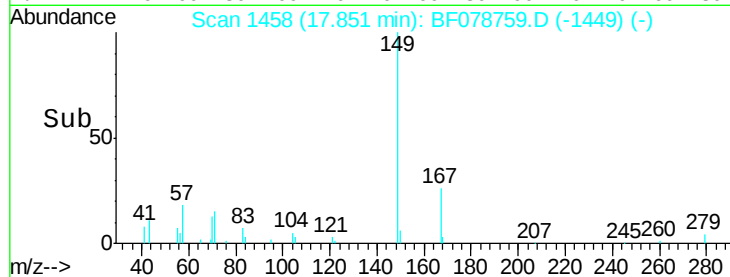
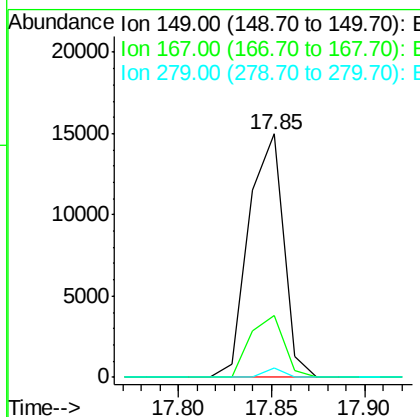
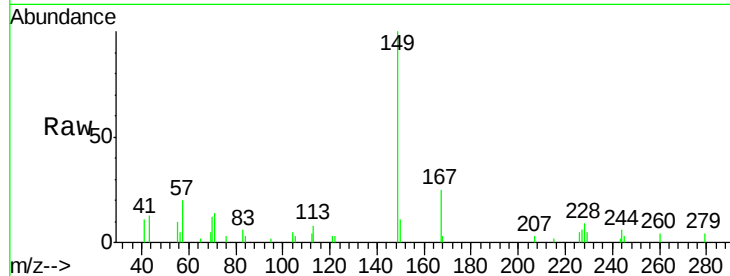




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.37 ng
 RT: 17.85 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: BF078759.D
 Acq: 23 Apr 2015 20:37

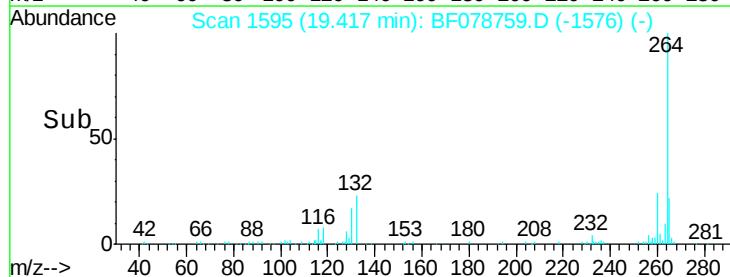
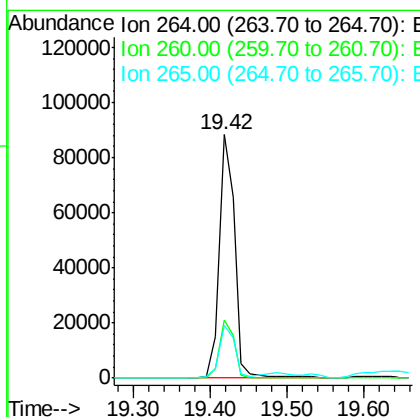
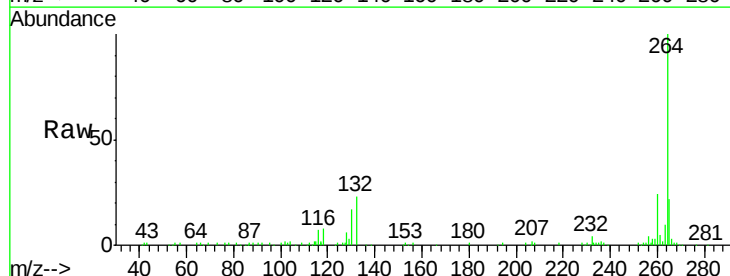
Instrument :
 BNA_F
 ClientSampleId :
 SB-76D

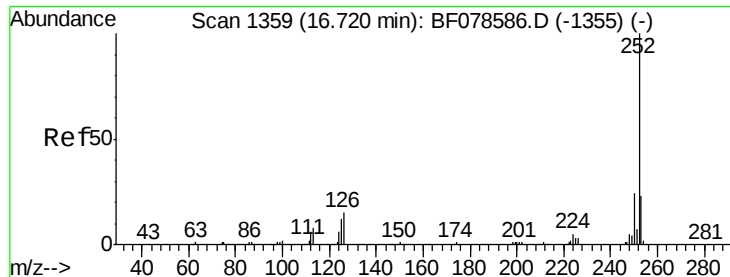
Tgt Ion:	149	Resp:	19629
Ion	Ratio	Lower	Upper
149	100		
167	25.3	22.2	33.2
279	3.9	3.2	4.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.42 min Scan# 1595
 Delta R.T. -0.08 min
 Lab File: BF078759.D
 Acq: 23 Apr 2015 20:37

Tgt Ion:	264	Resp:	124296
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	27.8
265	21.9	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 21.52 ng

RT: 18.99 min Scan# 1558

Delta R.T. -0.06 min

Lab File: BF078759.D

Acq: 23 Apr 2015 20:37

Instrument :

BNA_F

ClientSampleId :

SB-76D

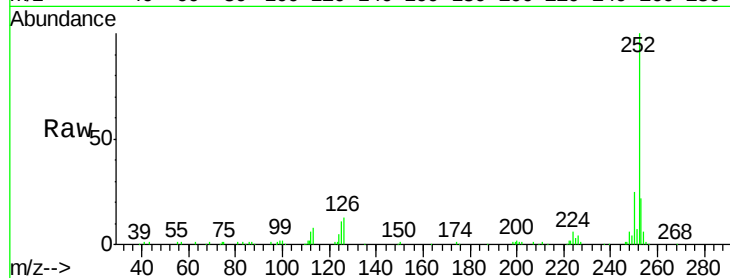
Tgt Ion:252 Resp: 165282

Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

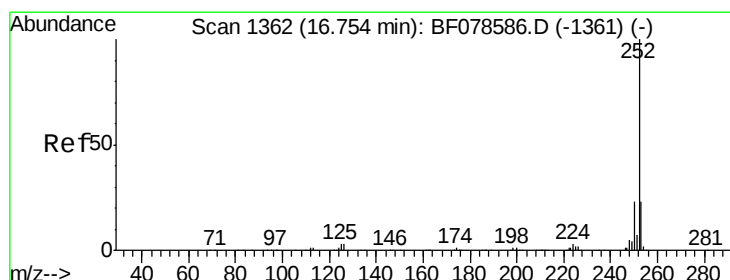
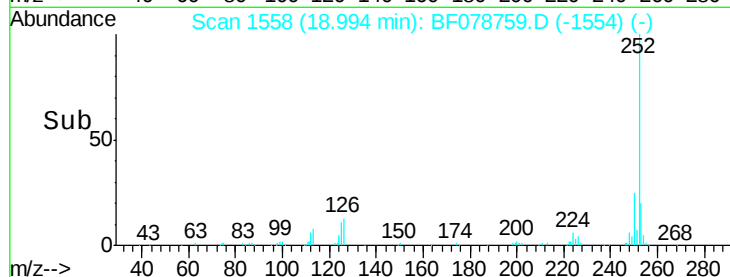
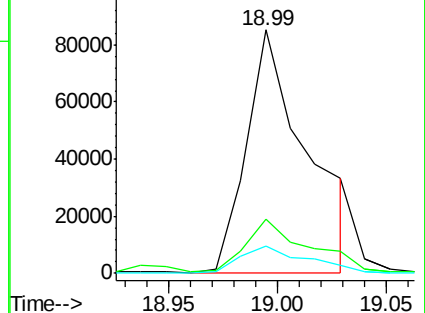
125 11.2 7.0 10.4#



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



#88

Benzo(k)fluoranthene

Concen: 24.95 ng

RT: 18.99 min Scan# 1558

Delta R.T. -0.09 min

Lab File: BF078759.D

Acq: 23 Apr 2015 20:37

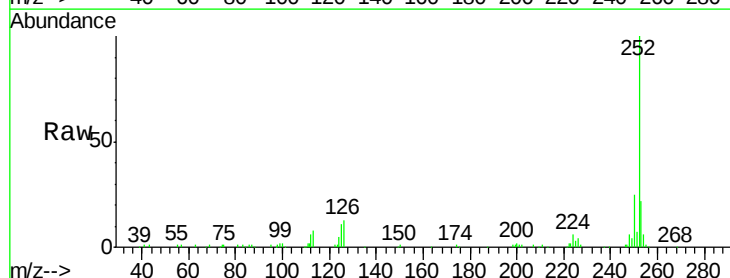
Tgt Ion:252 Resp: 170320

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

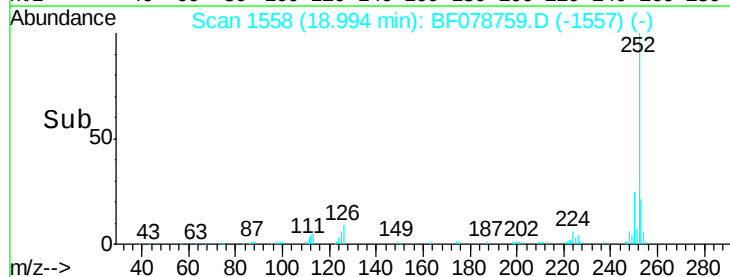
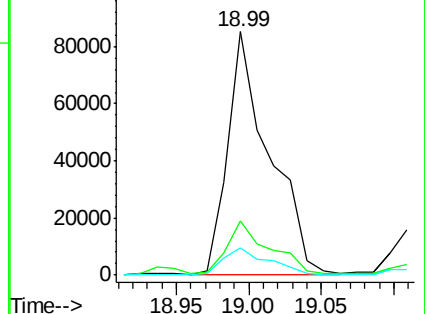
125 11.2 11.6 17.4#

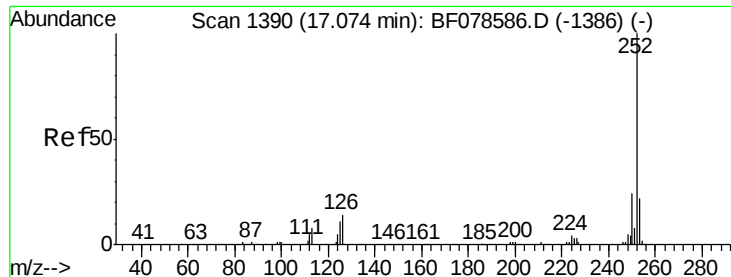


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 14.58 ng

RT: 19.36 min Scan# 1590

Delta R.T. -0.07 min

Lab File: BF078759.D

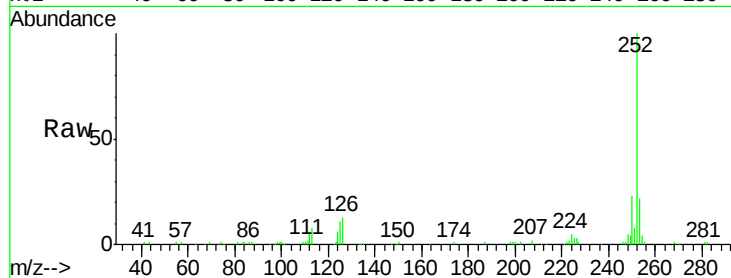
Acq: 23 Apr 2015 20:37

Instrument :

BNA_F

ClientSampleId :

SB-76D



Tgt Ion:	252	Resp:	97728
Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.8	25.2
125	10.5	7.4	11.0

