

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 01:52:13 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

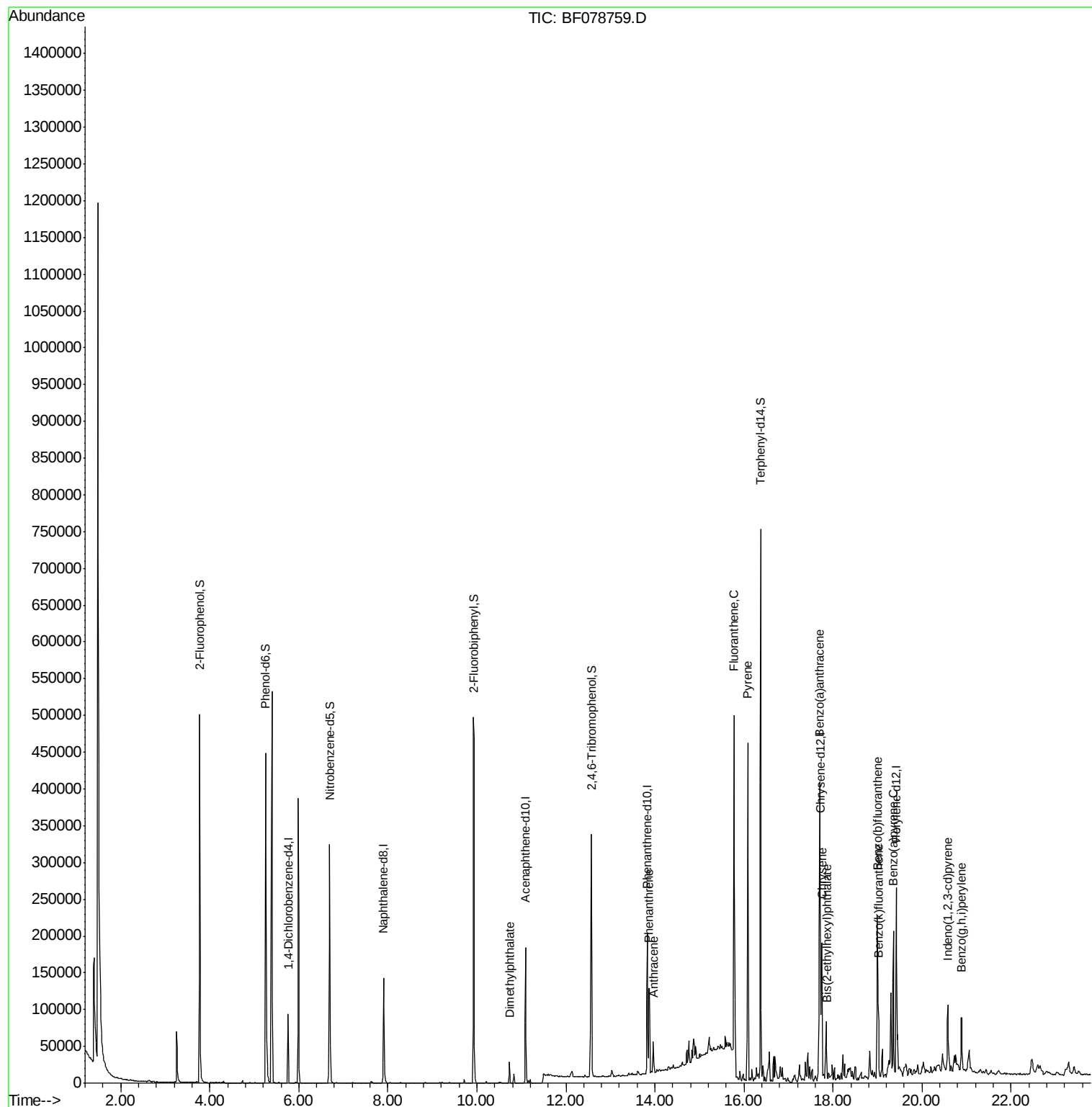
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	23270	20.00	ng	0.01
21) Naphthalene-d8	7.91	136	100265	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	51655	20.00	ng	0.00
63) Phenanthrene-d10	13.83	188	107938	20.00	ng	0.00
75) Chrysene-d12	17.71	240	119672	20.00	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
49) Dimethylphthalate	10.73	163	18578	4.79	ng	100
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
85) Indeno(1,2,3-cd)pyrene	20.58	276	57343m	7.55	ng	
87) Benzo(b)fluoranthene	18.99	252	142553m	18.56	ng	
88) Benzo(k)fluoranthene	19.02	252	27225m	3.99	ng	
89) Benzo(a)pyrene	19.36	252	97728	14.58	ng	97
91) Benzo(a,h,i)perylene	20.89	276	57678m	8.57	ng	

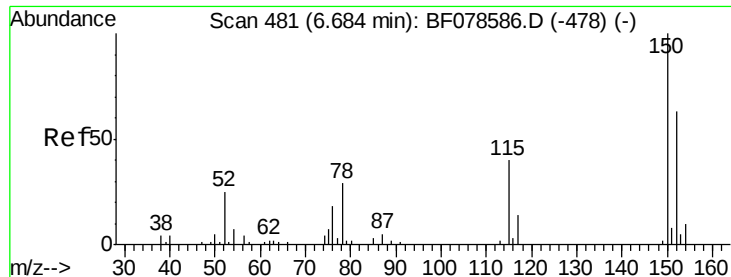
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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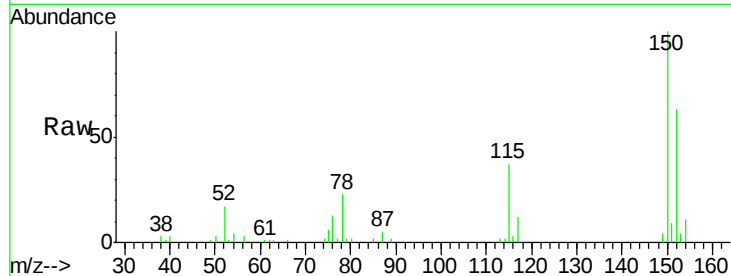


#1

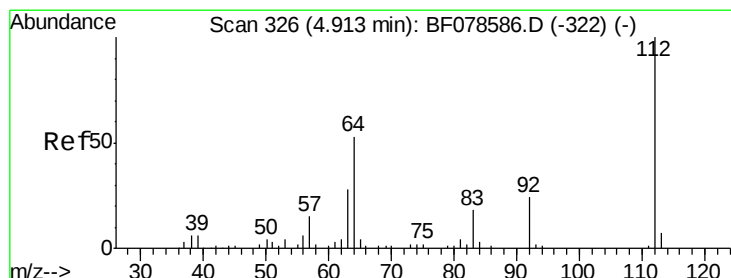
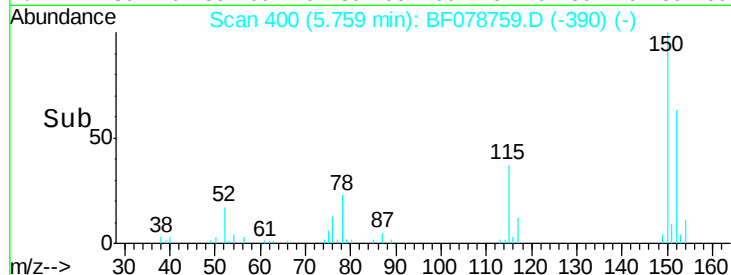
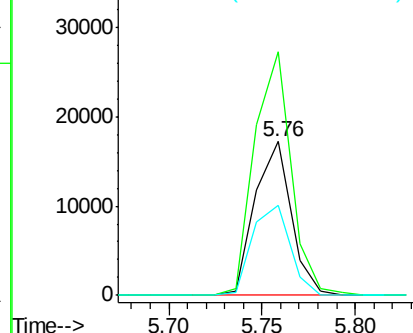
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 400
Delta R.T. 0.01 min
Lab File: BF078759.D
Acq: 23 Apr 2015 20:37

Instrument :
BNA_F
ClientSampleId :
SB-76D

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



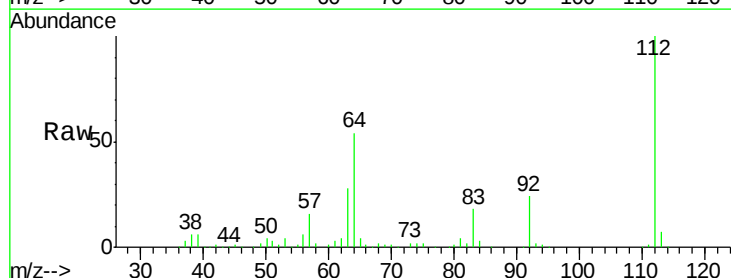
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



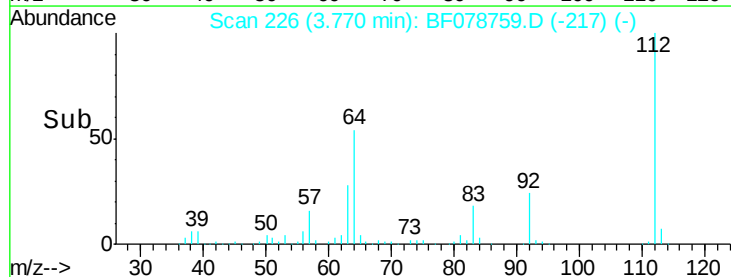
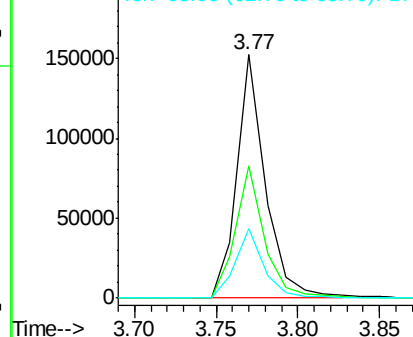
#5

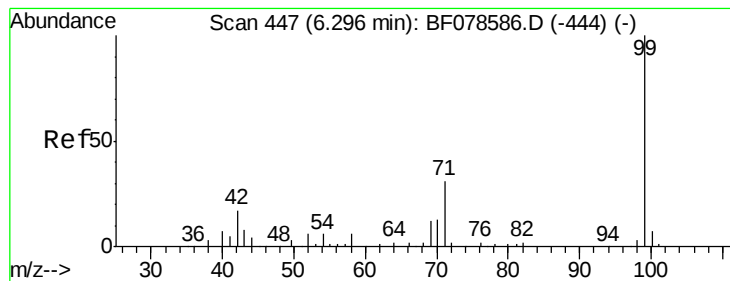
2-Fluorophenol
Concen: 129.65 ng
RT: 3.77 min Scan# 226
Delta R.T. -0.00 min
Lab File: BF078759.D
Acq: 23 Apr 2015 20:37

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



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: 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

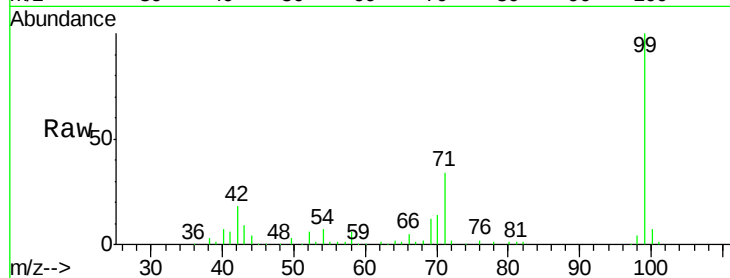
Tot Ion: 99 Resp: 240378

Ion Ratio Lower Upper

99 100

42 18.1 14.8 22.2

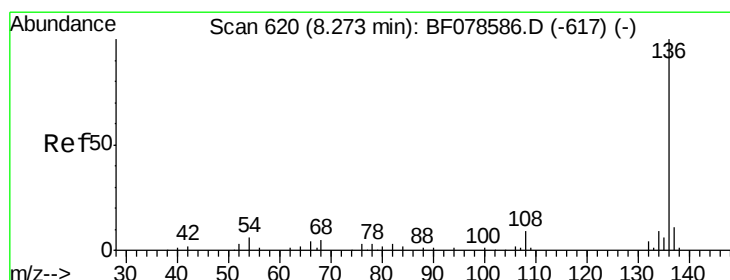
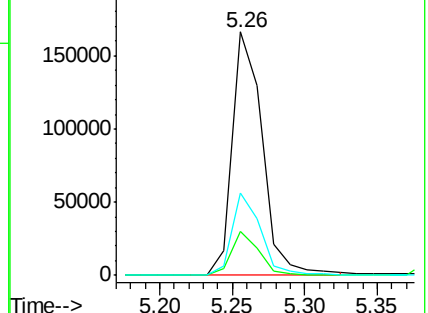
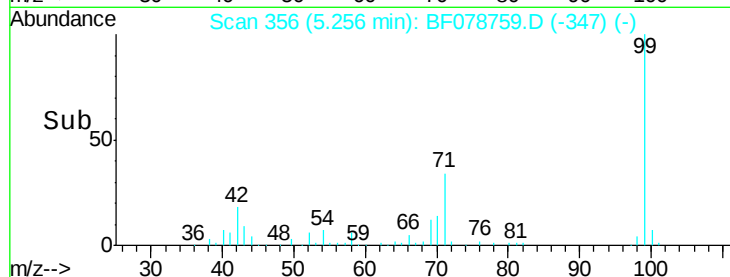
71 33.7 26.6 39.8



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

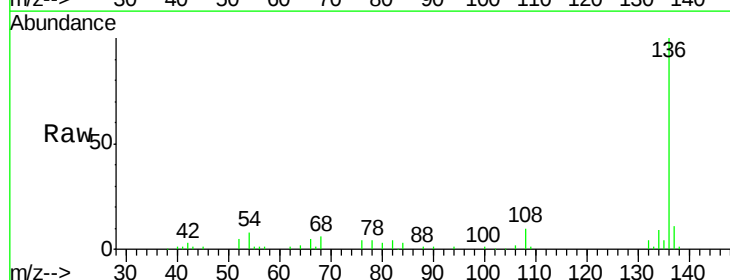
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 7.6 7.0 10.6

68 5.9 5.4 8.2

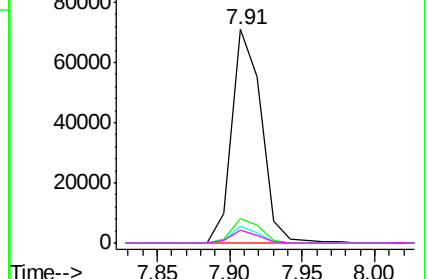
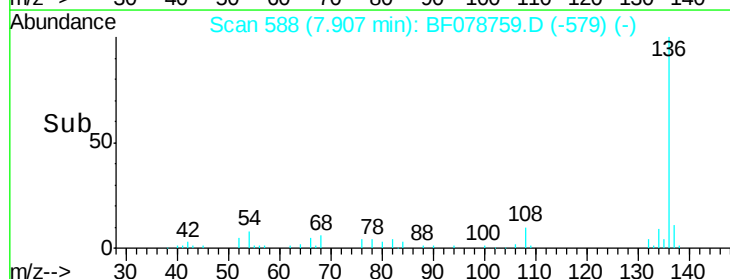


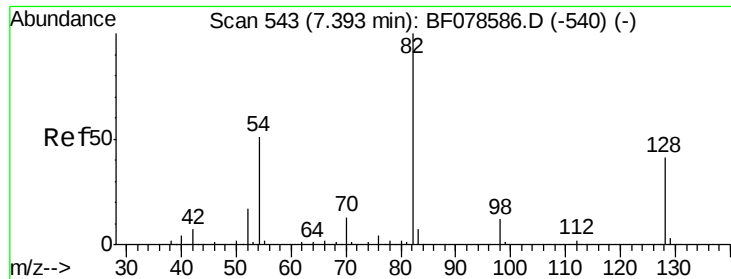
Abundance Ion 136.00 (135.70 to 136.70): E

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

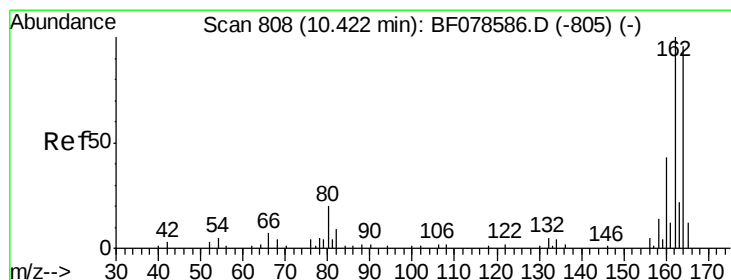
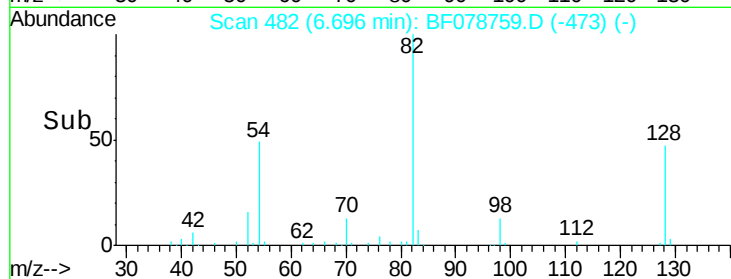
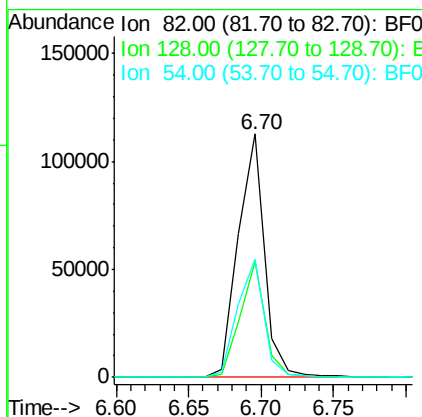
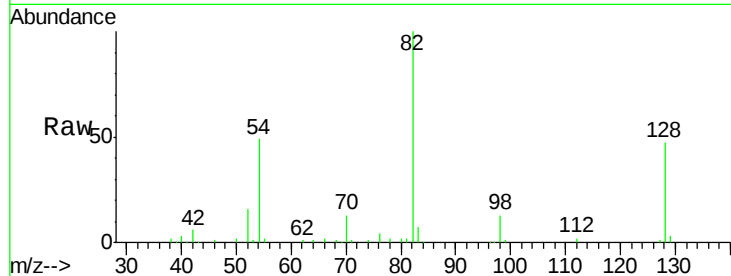




#23
 Nitrobenzene-d5
 Concen: 86.00 ng
 RT: 6.70 min Scan# 482
 Delta R.T. -0.00 min
 Lab File: BF078759.D
 Acq: 23 Apr 2015 20:37

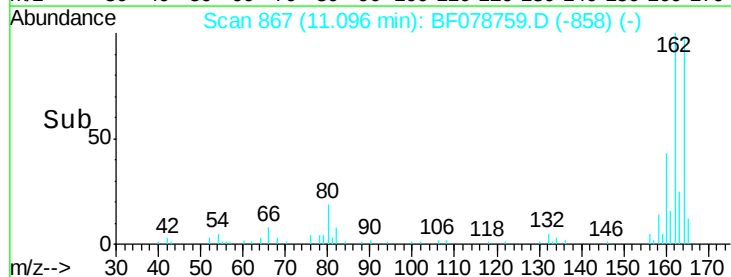
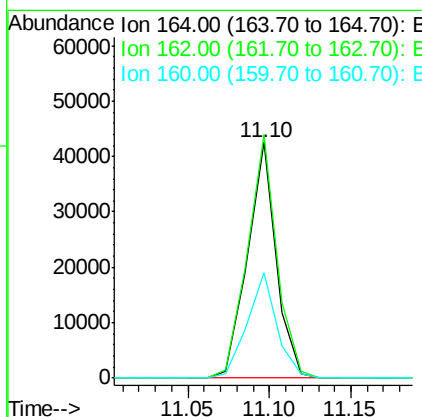
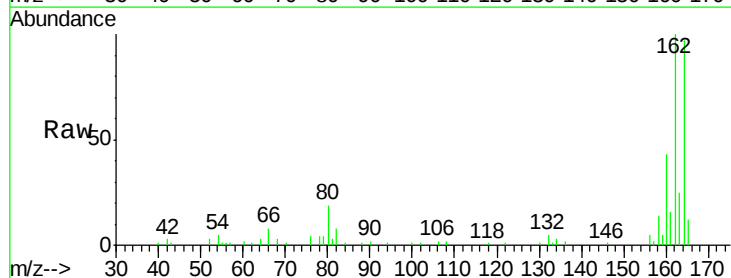
Instrument :
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 ClientSampled :
 SB-76D

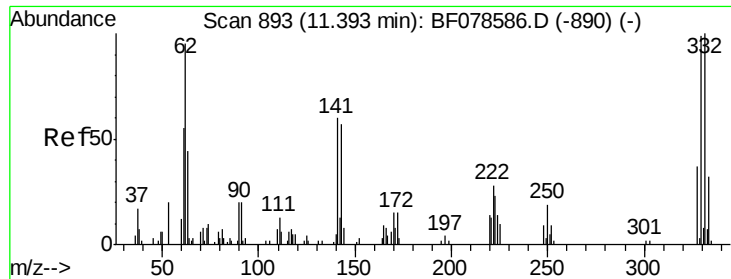
Tot Ion	82	Resp	142260
Ion Ratio	Lower	Upper	
82	100		
128	47.3	31.8	47.8
54	48.6	41.5	62.3



#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

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

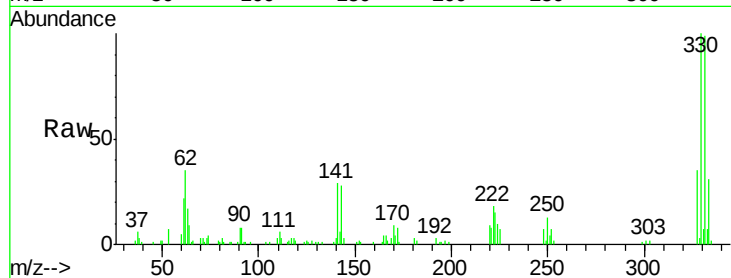




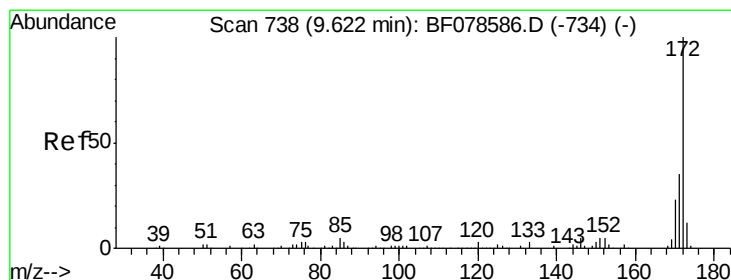
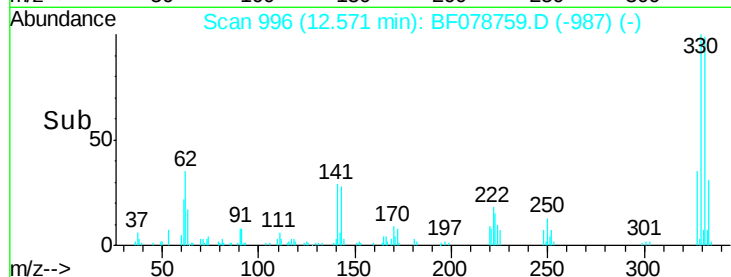
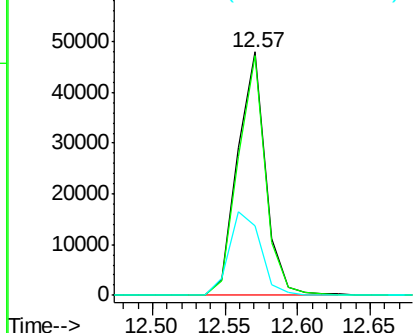
#41
 2,4,6-Tribromophenol
 Concen: 151.06 ng
 RT: 12.57 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: BF078759.D
 Acq: 23 Apr 2015 20:37

Instrument :
 BNA_F
 ClientSampleId :
 SB-76D

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.6	117.8
141	38.4	31.2	46.8

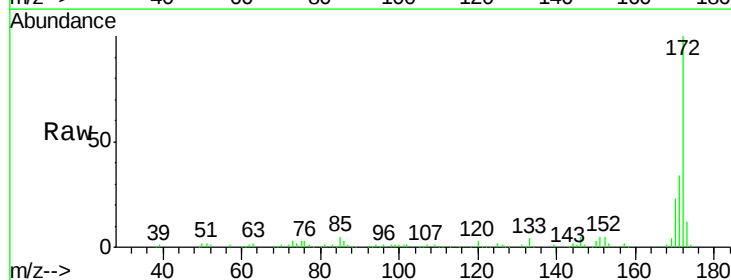


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

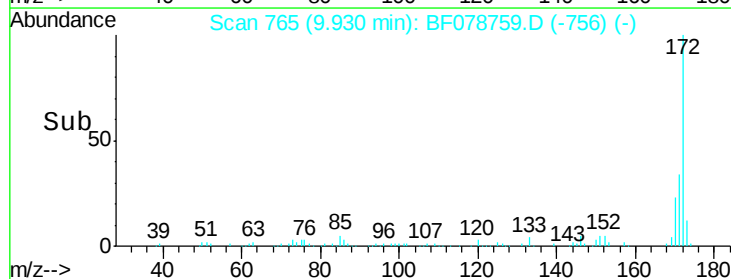
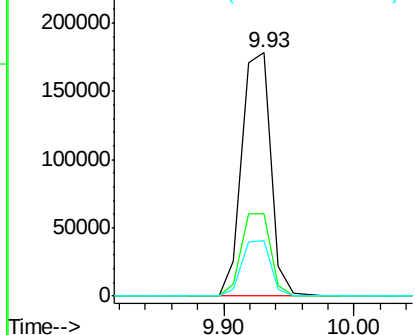


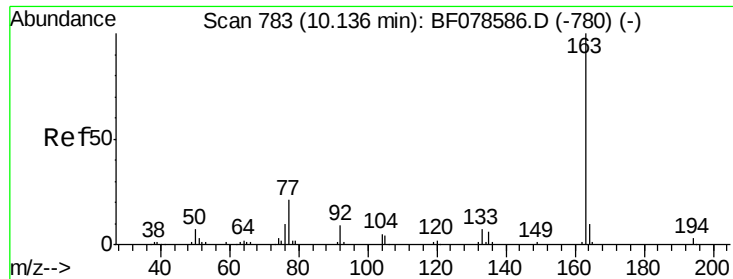
#44
 2-Fluorobiphenyl
 Concen: 76.08 ng
 RT: 9.93 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BF078759.D
 Acq: 23 Apr 2015 20:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.6	42.8
170	22.8	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

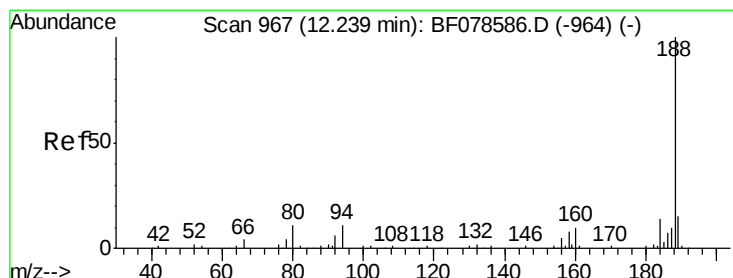
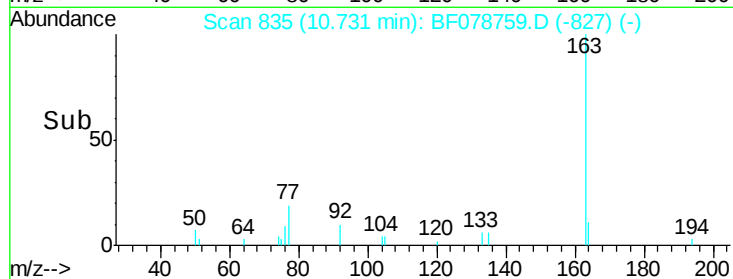
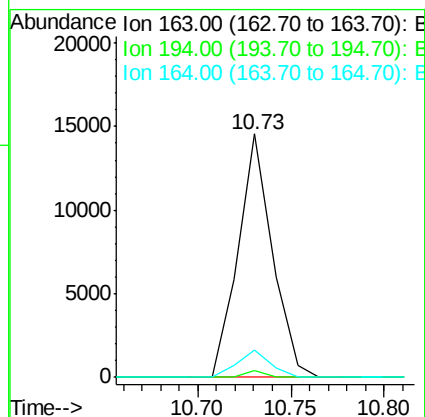
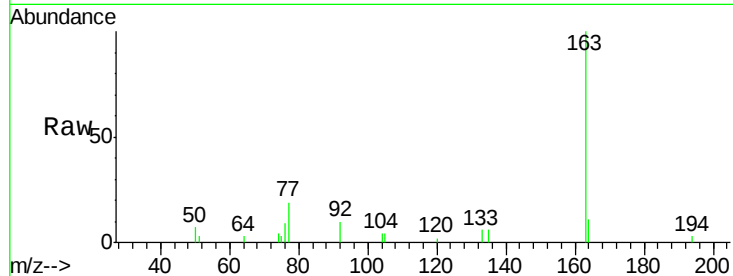




#49
Dimethylphthalate
Concen: 4.79 ng
RT: 10.73 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF078759.D
Acq: 23 Apr 2015 20:37

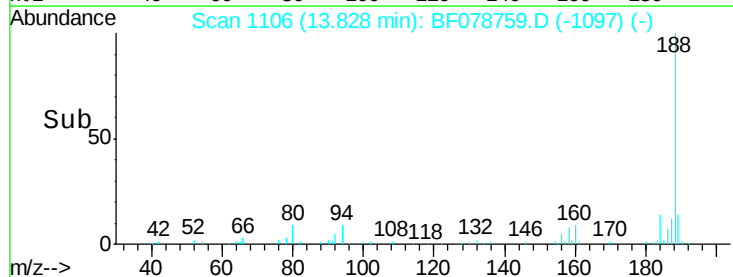
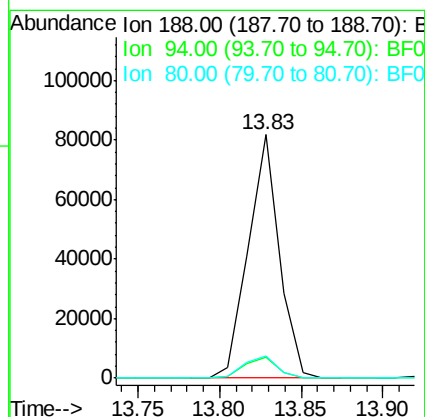
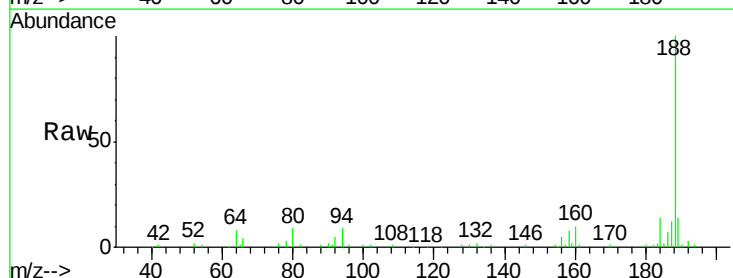
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BNA_F
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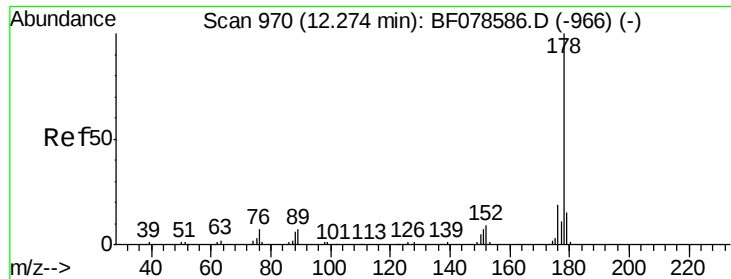
Tot Ion:163 Resp: 18578
Ion Ratio Lower Upper
163 100
194 2.8 2.3 3.5
164 11.0 8.6 13.0



#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#

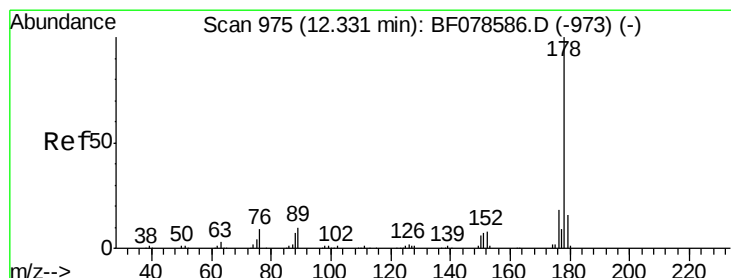
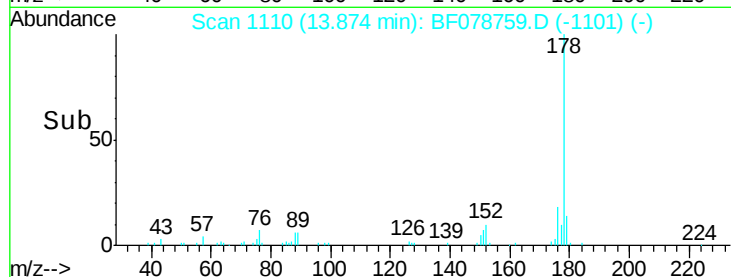
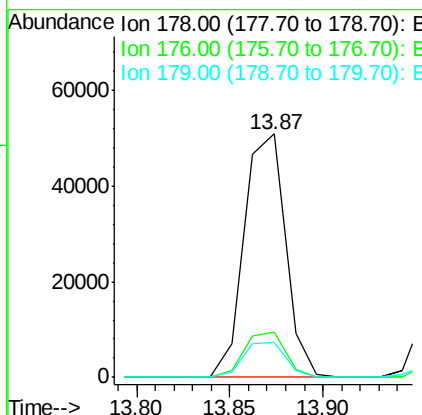
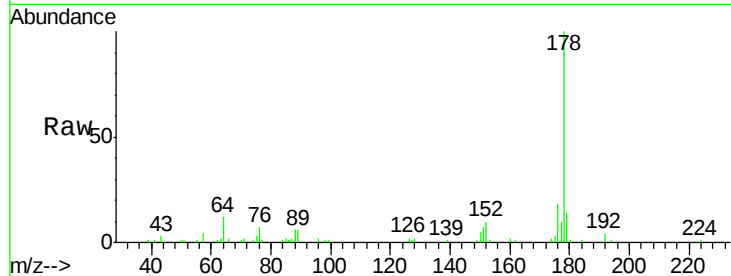




#70
 Phenanthrene
 Concen: 12.58 ng
 RT: 13.87 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: BF078759.D
 Acq: 23 Apr 2015 20:37

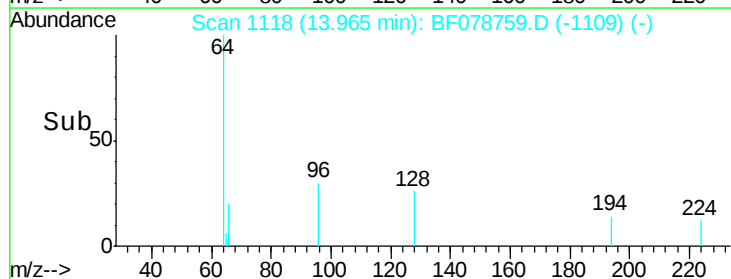
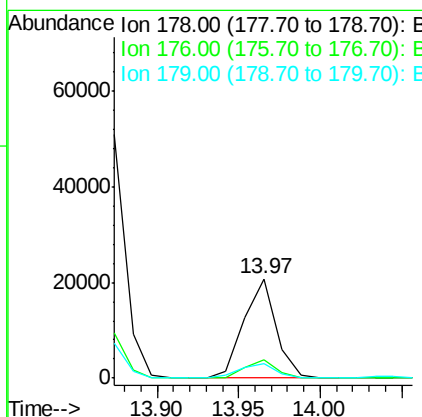
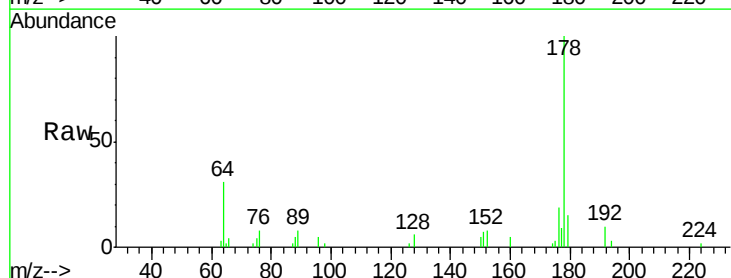
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 BNA_F
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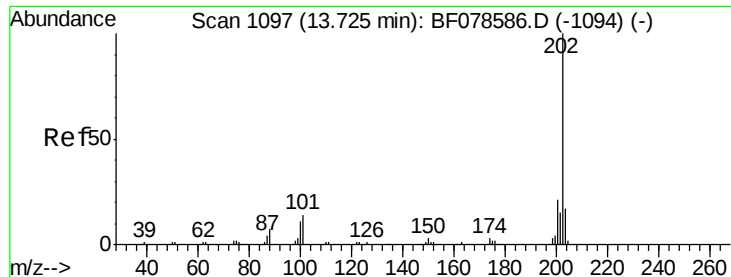
Tot Ion:178 Resp: 78561
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.0
 179 14.4 12.2 18.2



#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





#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 :

BNA_F

ClientSampleId :

SB-76D

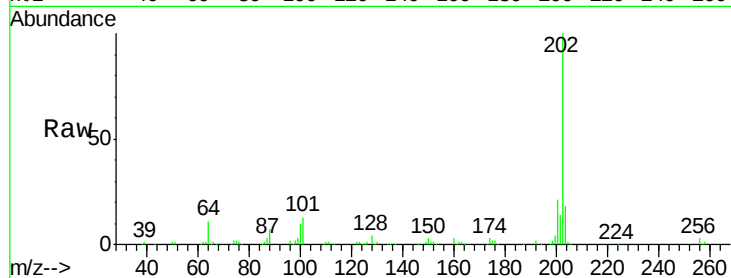
Tot Ion:202 Resp: 227514

Ion Ratio Lower Upper

202 100

101 13.4 0.0 35.2

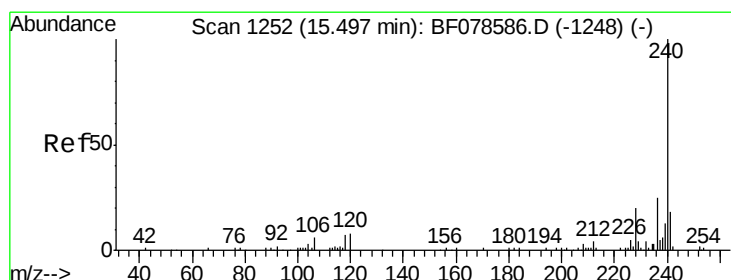
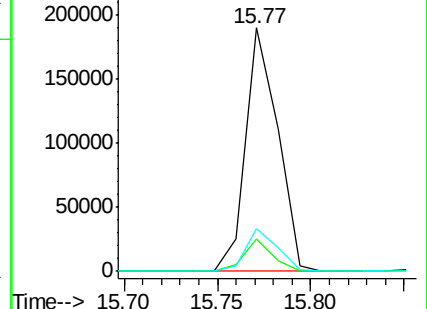
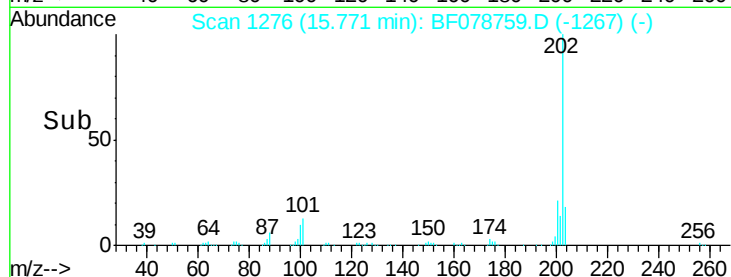
203 17.5 0.0 38.5



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

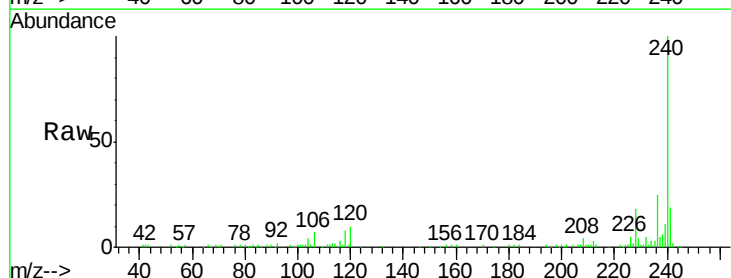
Tgt Ion:240 Resp: 119672

Ion Ratio Lower Upper

240 100

120 9.7 7.1 10.7

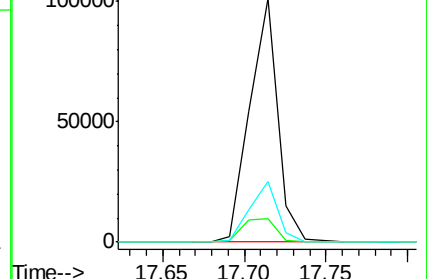
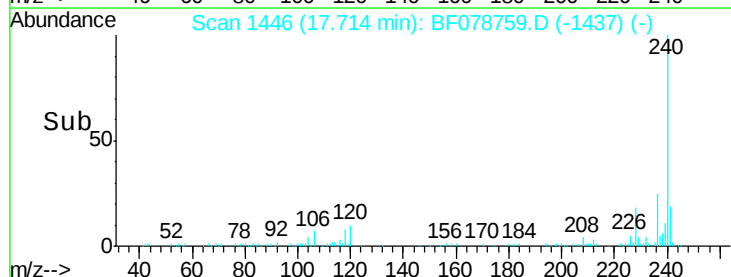
236 25.1 21.4 32.2

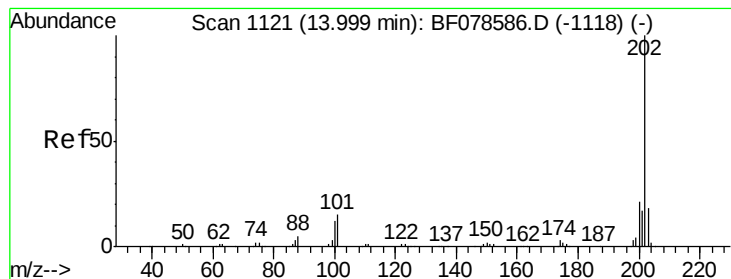


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

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

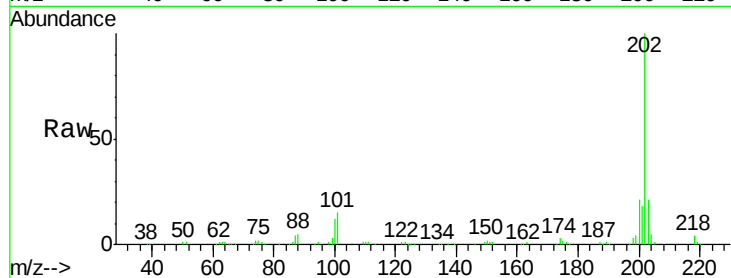
Tot Ion:202 Resp: 225973

Ion Ratio Lower Upper

202 100

200 21.1 16.3 24.5

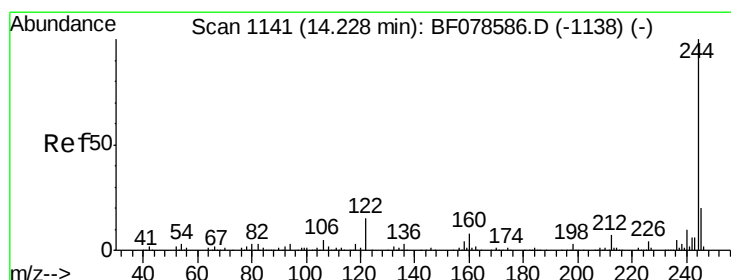
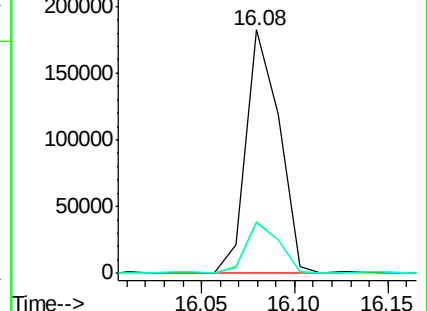
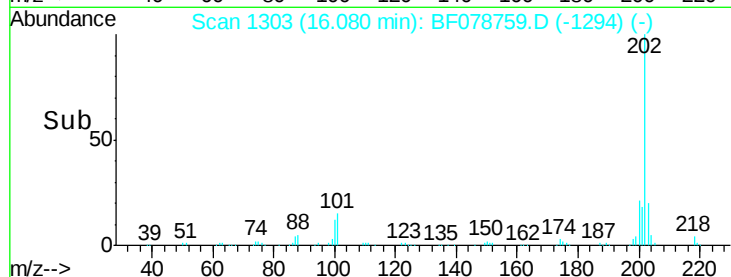
203 20.7 13.8 20.6#



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

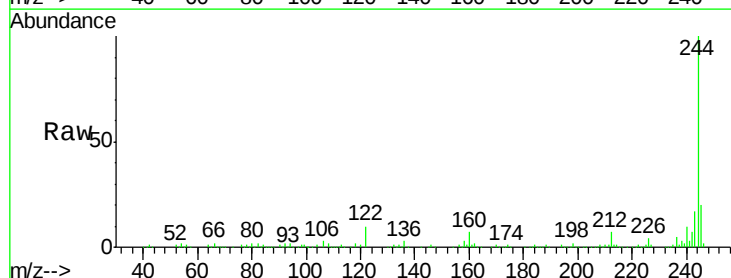
Tgt Ion:244 Resp: 308514

Ion Ratio Lower Upper

244 100

212 6.7 5.0 7.4

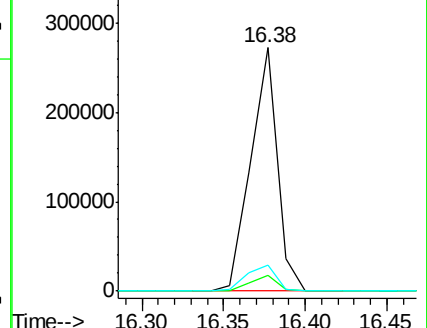
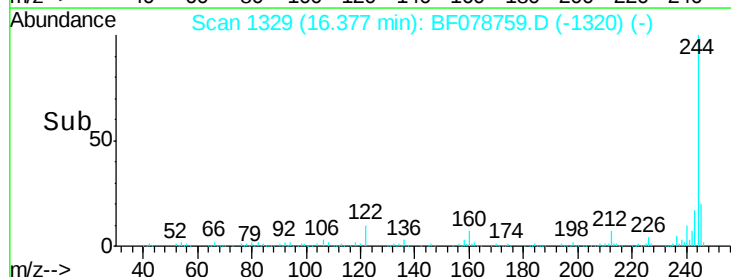
122 10.5 7.1 10.7

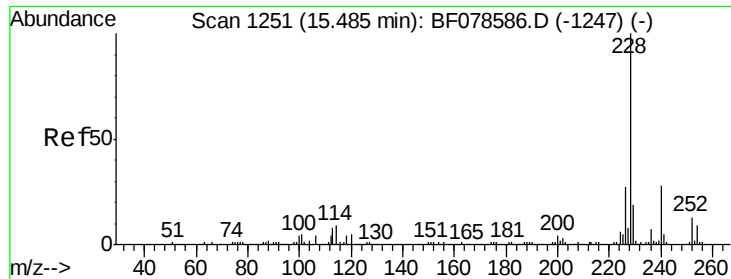


Abundance Ion 244.00 (243.70 to 244.70): E

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

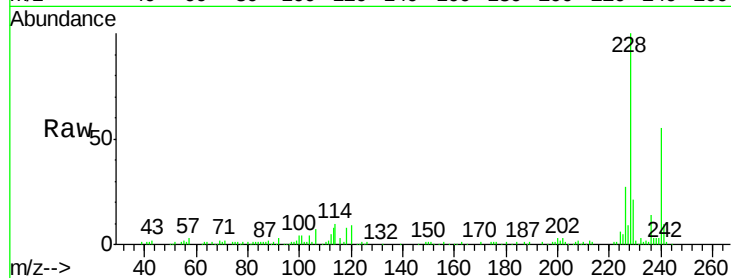
Tot Ion:228 Resp: 128604

Ion Ratio Lower Upper

228 100

226 26.7 21.3 31.9

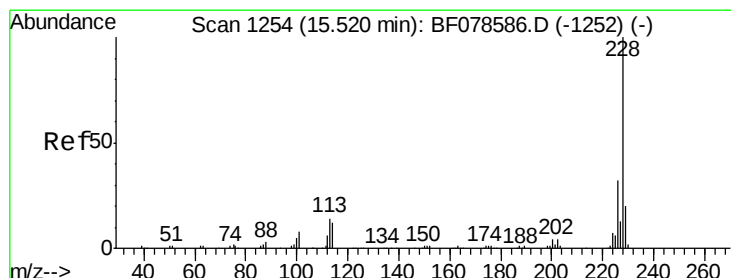
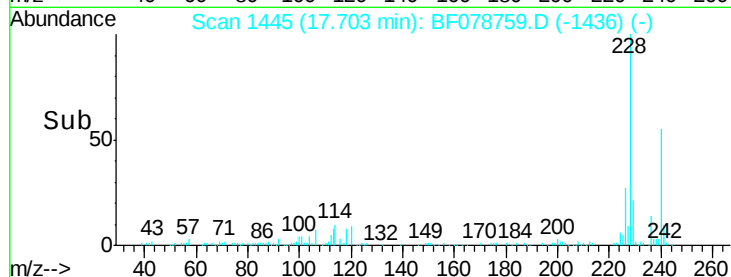
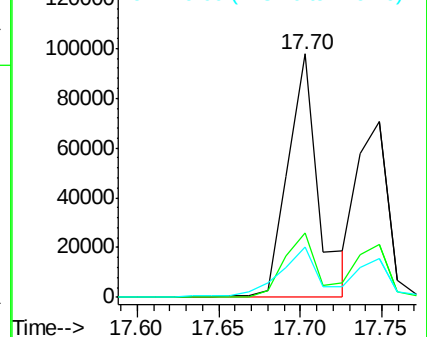
229 20.6 15.4 23.2



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

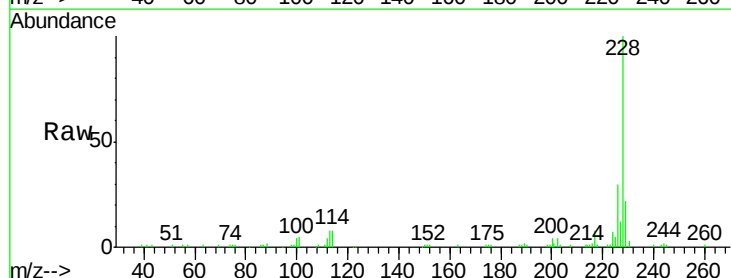
Tgt Ion:228 Resp: 92149

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.4

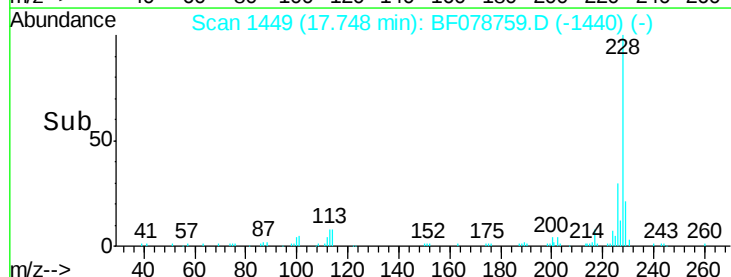
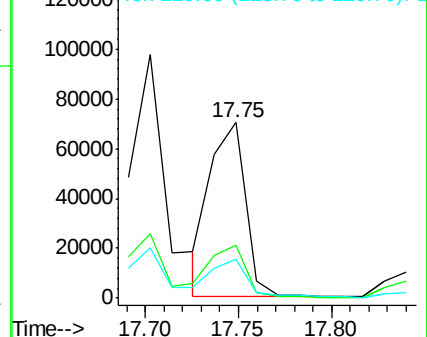
229 22.0 15.8 23.8

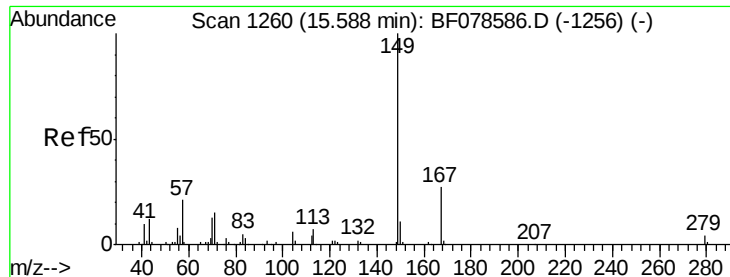


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

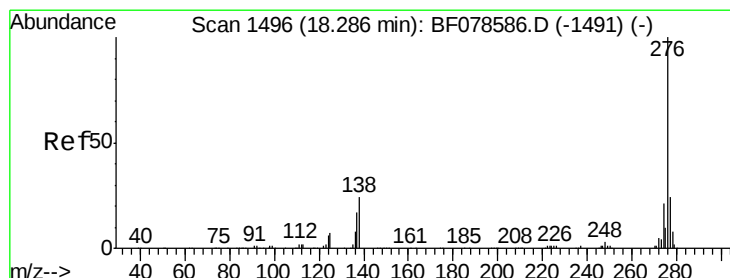
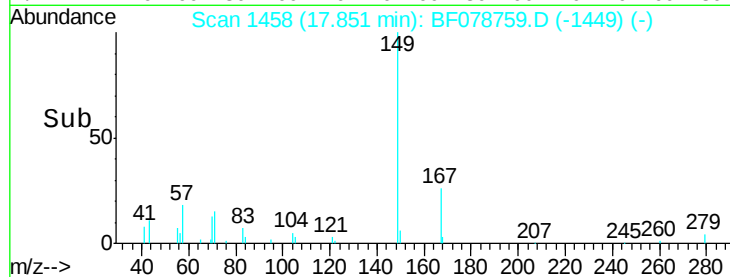
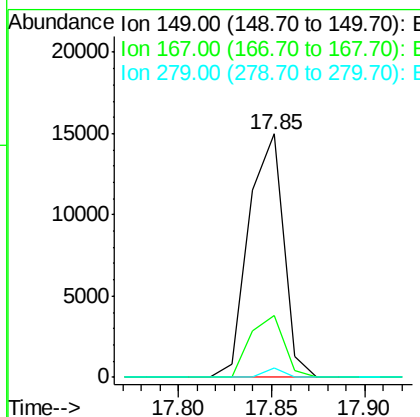
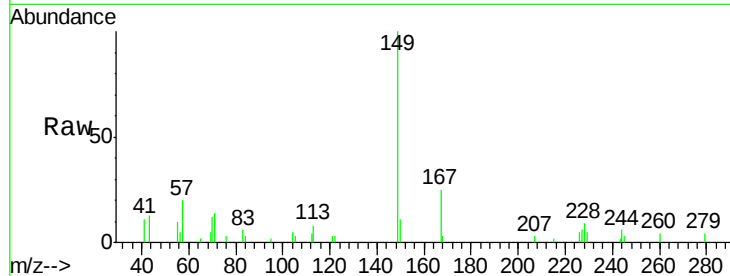




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.37 ng
 RT: 17.85 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: BF078759.D
 Acq: 23 Apr 2015 20:37

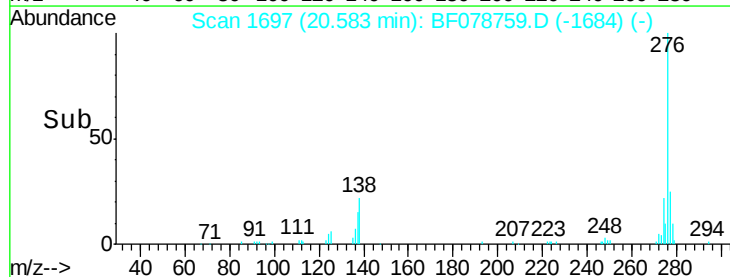
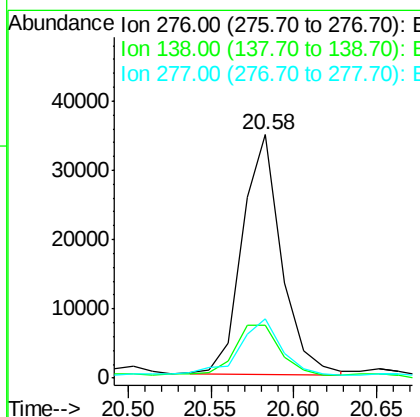
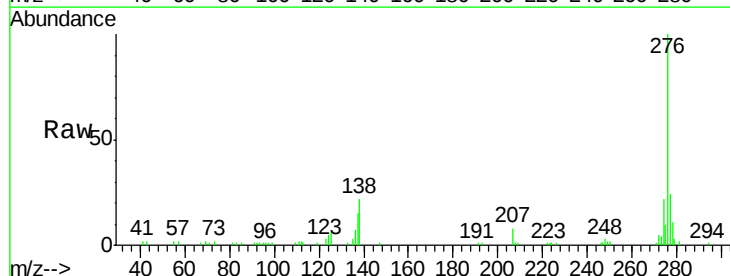
Instrument :
 BNA_F
 ClientSampleId :
 SB-76D

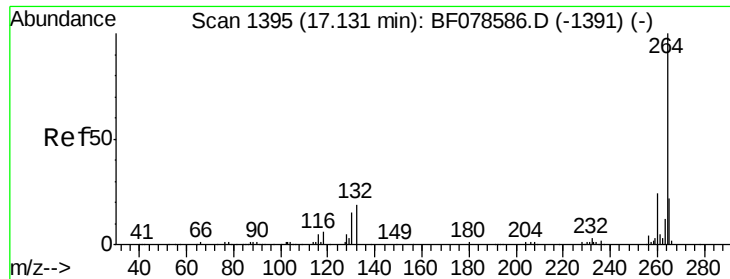
Tot Ion	149	Resp	19629
Ion Ratio	100	Lower	Upper
149	100		
167	25.3	22.2	33.2
279	3.9	3.2	4.8



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.55 ng m
 RT: 20.58 min Scan# 1697
 Delta R.T. -0.15 min
 Lab File: BF078759.D
 Acq: 23 Apr 2015 20:37

Tgt Ion	276	Resp	57343
Ion Ratio	100	Lower	Upper
276	100		
138	4.0	16.9	25.3#
277	2.0	15.8	23.6#

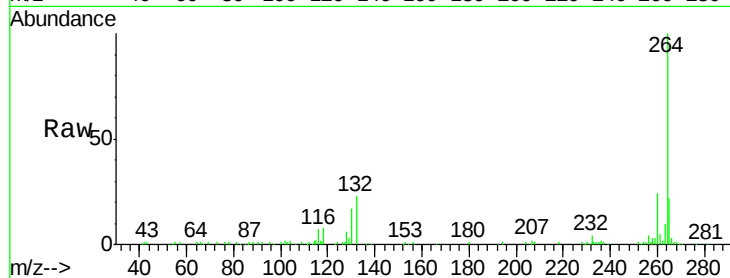




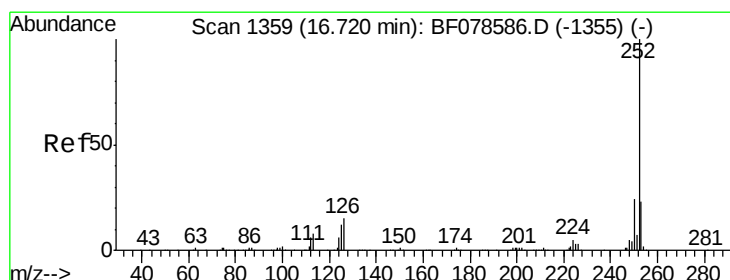
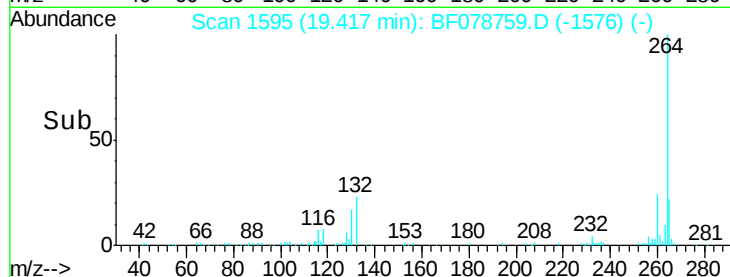
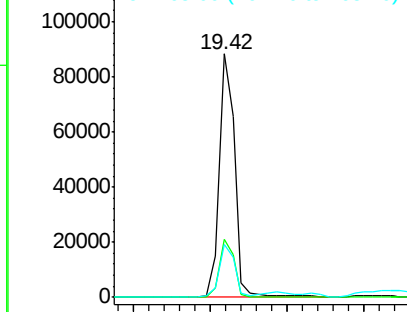
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.42 min Scan# 1595
Delta R.T. -0.08 min
Lab File: BF078759.D
Acq: 23 Apr 2015 20:37

Instrument :
BNA_F
ClientSampleId :
SB-76D

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

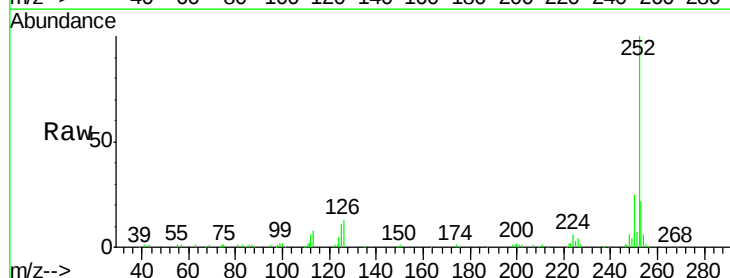


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

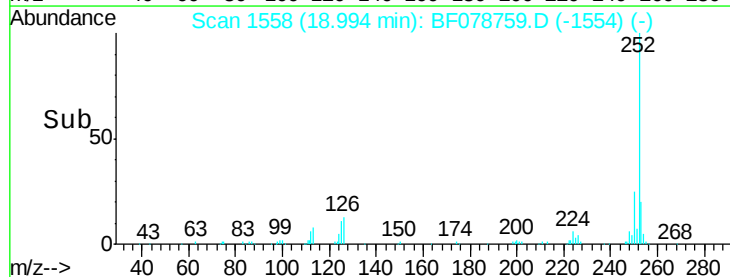
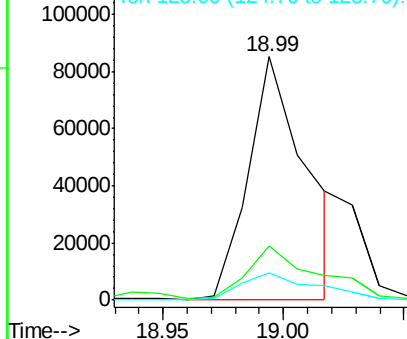


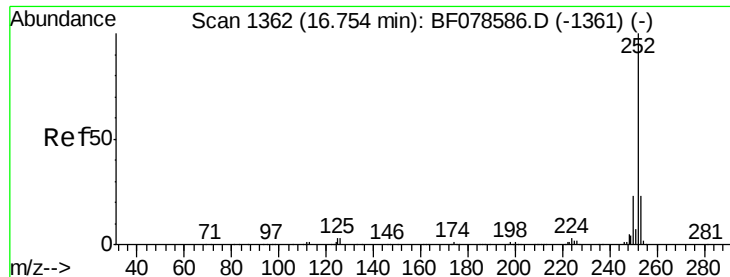
#87
Benzo(b)fluoranthene
Concen: 18.56 ng m
RT: 18.99 min Scan# 1558
Delta R.T. -0.06 min
Lab File: BF078759.D
Acq: 23 Apr 2015 20:37

Tgt Ion:252 Resp: 142553
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: 3.99 ng/mL

RT: 19.02 min Scan# 1560

Delta R.T. -0.07 min

Lab File: BF078759.D

Acq: 23 Apr 2015 20:37

Instrument :

BNA_F

ClientSampleId :

SB-76D

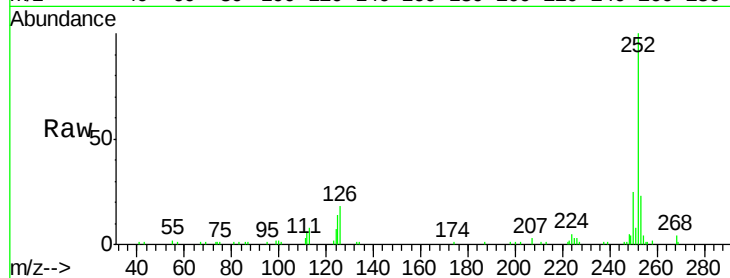
Tot Ion:252 Resp: 27225

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

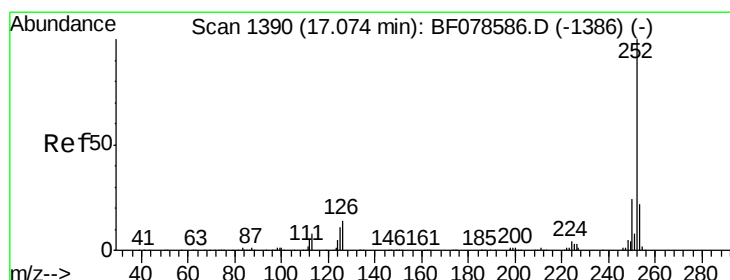
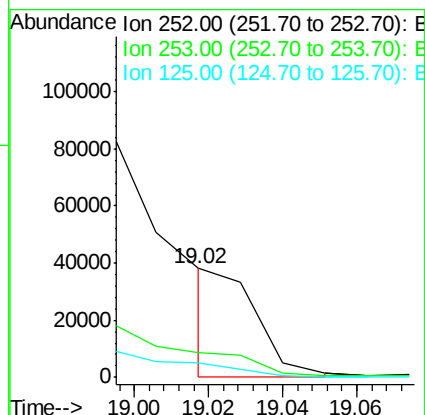
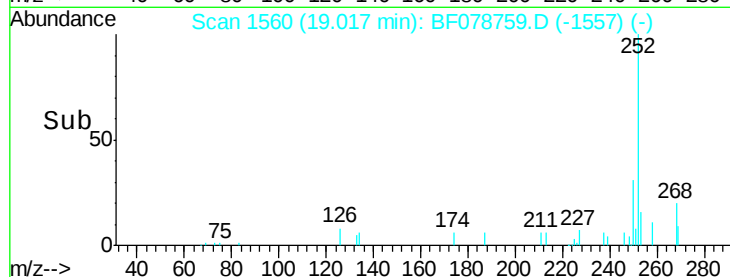
125 13.7 11.6 17.4



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/mL

RT: 19.36 min Scan# 1590

Delta R.T. -0.07 min

Lab File: BF078759.D

Acq: 23 Apr 2015 20:37

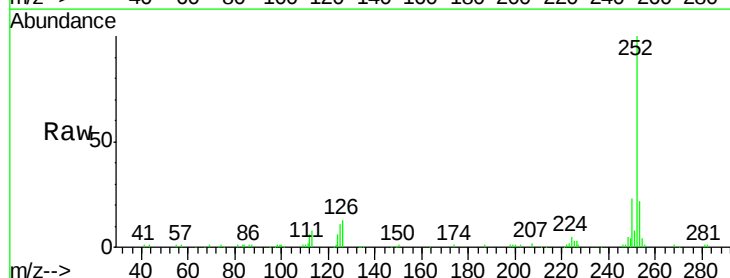
Tgt Ion:252 Resp: 97728

Ion Ratio Lower Upper

252 100

253 22.4 16.8 25.2

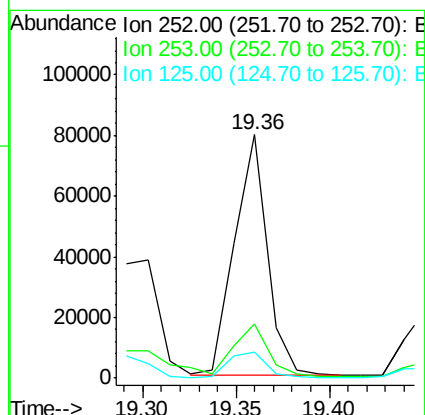
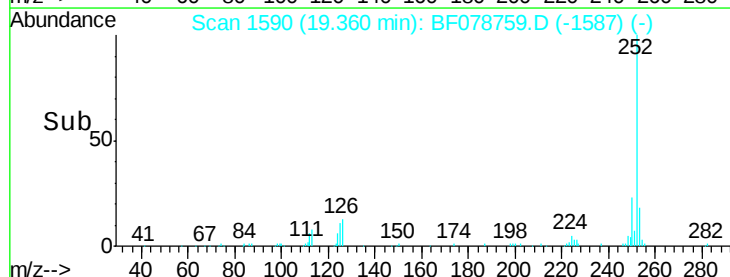
125 10.5 7.4 11.0

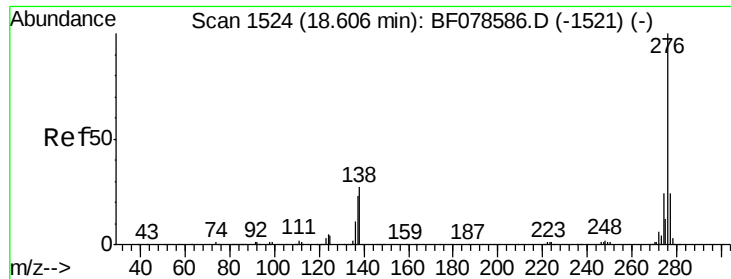


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 8.57 ng/ml

RT: 20.89 min Scan# 1724

Delta R.T. -0.15 min

Lab File: BF078759.D

Acq: 23 Apr 2015 20:37

Instrument :

BNA_F

ClientSampleId :

SB-76D

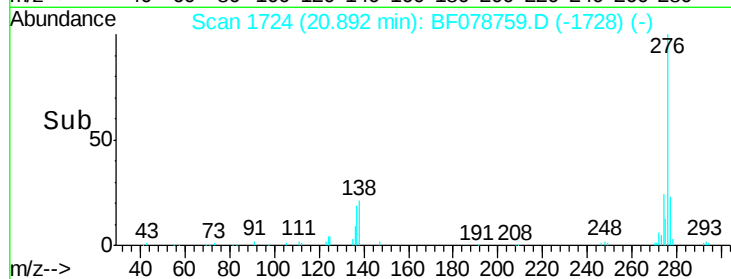
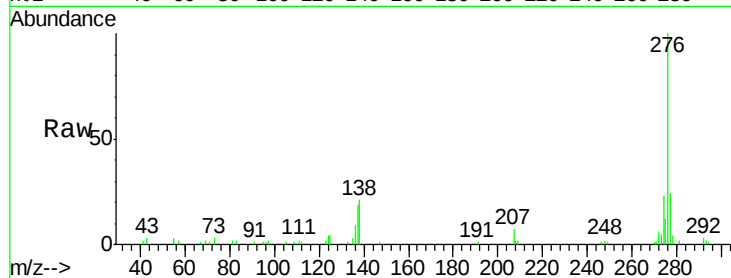
Tot Ion: 276 Resp: 57678

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.4

138 21.1 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

