

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF043015\
 Data File : BF078870.D
 Acq On : 1 May 2015 2:04
 Operator : TP/IZ
 Sample : G2044-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-57S

Quant Time: May 01 03:27:04 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 01 00:31:00 2015
 Response via : Initial Calibration

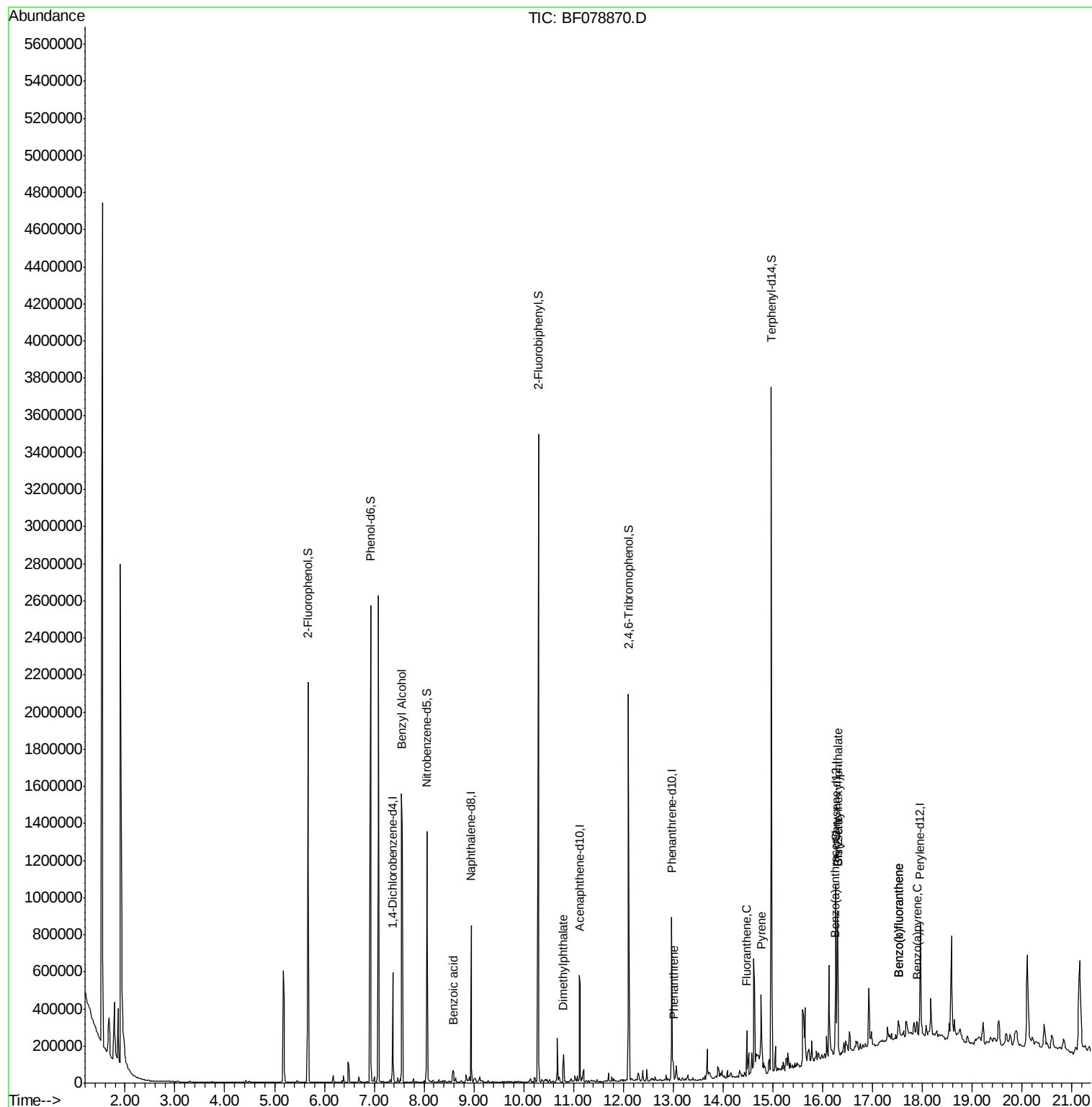
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	84474	20.00	ng	0.00
21) Naphthalene-d8	8.95	136	355532	20.00	ng	0.00
38) Acenaphthene-d10	11.12	164	161604	20.00	ng	-0.01
63) Phenanthrene-d10	12.97	188	314330	20.00	ng	0.00
75) Chrysene-d12	16.26	240	323074	20.00	ng	-0.01
86) Perylene-d12	17.95	264	342047	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	721526	147.03	ng	0.00
7) Phenol-d6	6.92	99	1028322	158.53	ng	0.01
23) Nitrobenzene-d5	8.06	82	532584	86.09	ng	0.00
41) 2,4,6-Tribromophenol	12.10	330	273499	156.44	ng	0.00
44) 2-Fluorobiphenyl	10.30	172	1115692	96.19	ng	0.00
78) Terphenyl-d14	14.97	244	1214215	89.98	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	7.55	79	12027	2.50	ng	# 50
32) Benzoic acid	8.58	122	8625	8.67	ng	96
49) Dimethylphthalate	10.80	163	67082	5.66	ng	98
70) Phenanthrene	13.01	178	53619	3.05	ng	97
74) Fluoranthene	14.48	202	93632	5.11	ng	93
77) Pyrene	14.77	202	84998	4.57	ng	97
80) Benzo(a)anthracene	16.25	228	51723	2.92	ng	96
82) Chrysene	16.30	228	37161	2.18	ng	98
83) Bis(2-ethylhexyl)phthalate	16.30	149	206298	16.74	ng	# 95
87) Benzo(b)fluoranthene	17.52	252	75442	4.03	ng	# 95
88) Benzo(k)fluoranthene	17.52	252	76518	4.22	ng	97
89) Benzo(a)pyrene	17.90	252	42675	2.48	ng	# 92

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

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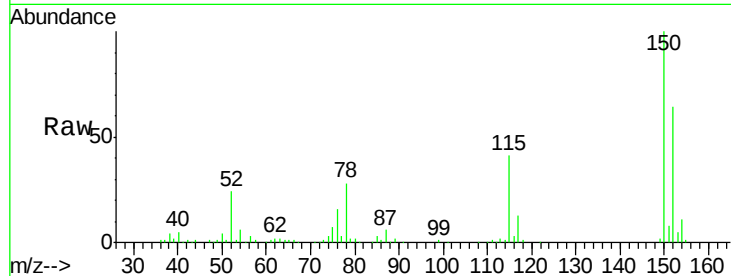


#1

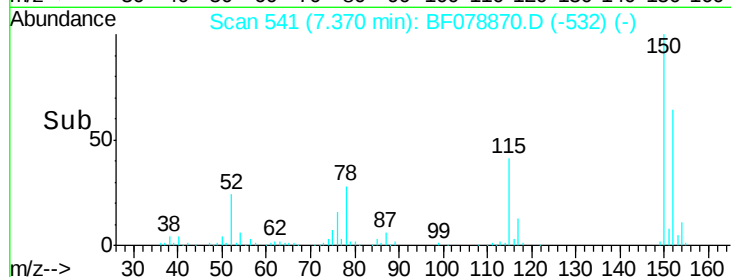
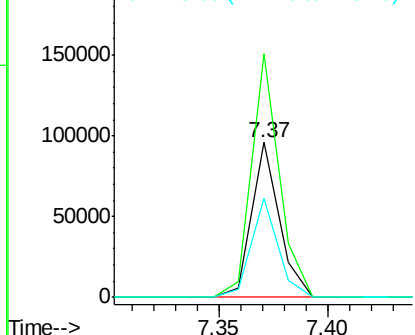
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 541
Delta R.T. 0.00 min
Lab File: BF078870.D
Acq: 1 May 2015 2:04

Instrument :
BNA_F
ClientSampleId :
SB-57S

Tgt Ion:152 Resp: 84474
Ion Ratio Lower Upper
152 100
150 157.3 122.0 183.0
115 64.4 46.3 69.5



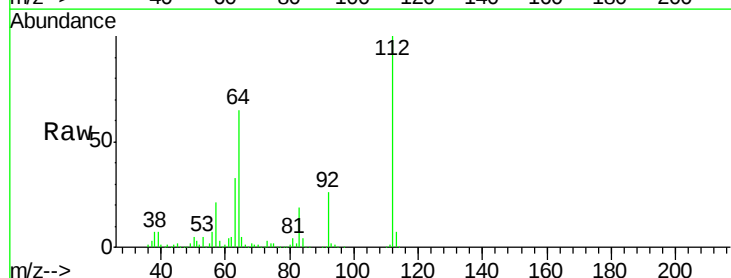
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



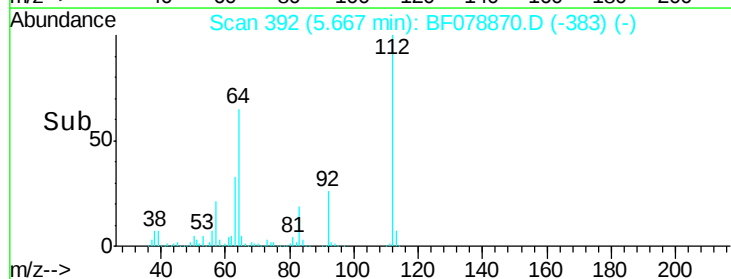
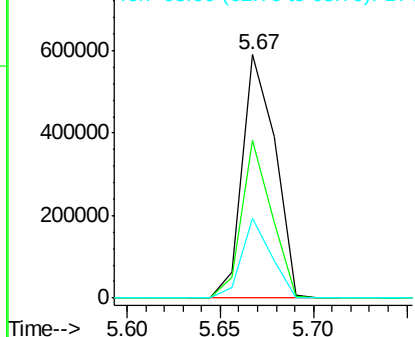
#5

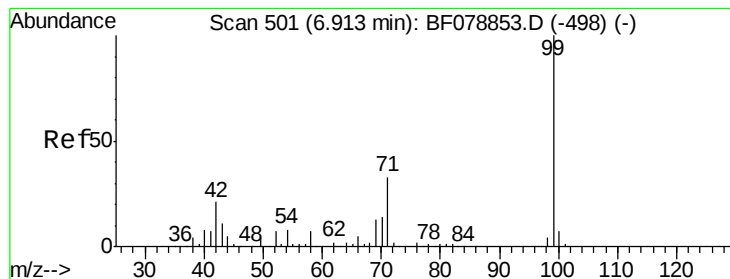
2-Fluorophenol
Concen: 147.03 ng
RT: 5.67 min Scan# 392
Delta R.T. 0.00 min
Lab File: BF078870.D
Acq: 1 May 2015 2:04

Tgt Ion:112 Resp: 721526
Ion Ratio Lower Upper
112 100
64 64.6 53.5 80.3
63 33.0 27.5 41.3



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: 158.53 ng

RT: 6.92 min Scan# 502

Delta R.T. 0.01 min

Lab File: BF078870.D

Acq: 1 May 2015 2:04

Instrument :

BNA_F

ClientSampleId :

SB-57S

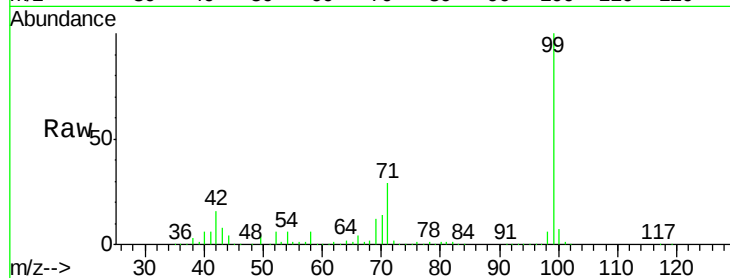
Tgt Ion: 99 Resp: 1028322

Ion Ratio Lower Upper

99 100

42 16.0 12.8 19.2

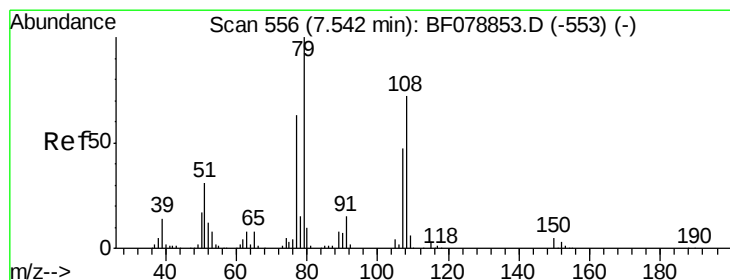
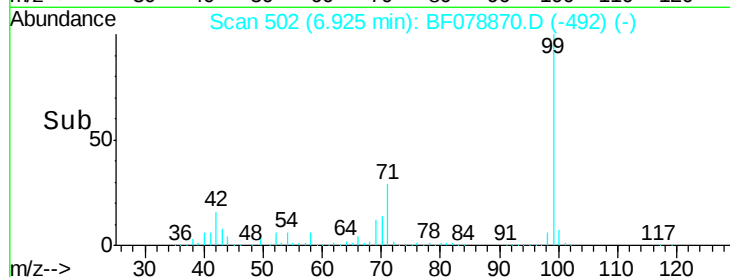
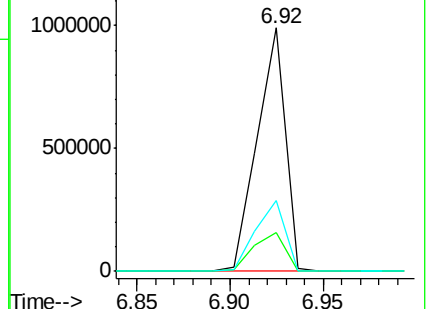
71 29.0 23.4 35.2



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: 2.50 ng

RT: 7.55 min Scan# 557

Delta R.T. 0.01 min

Lab File: BF078870.D

Acq: 1 May 2015 2:04

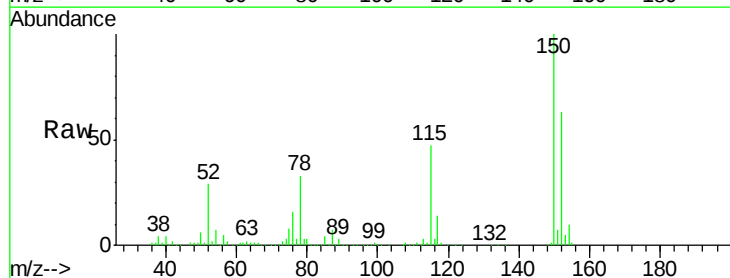
Tgt Ion: 79 Resp: 12027

Ion Ratio Lower Upper

79 100

108 28.1 62.5 93.7#

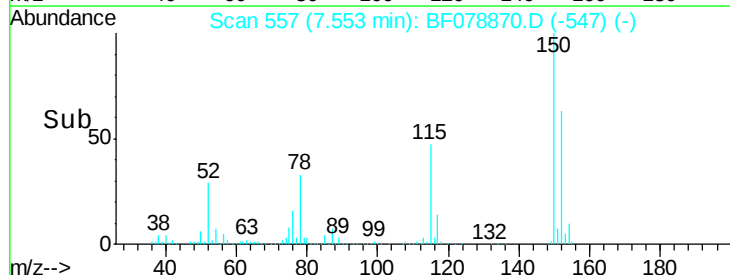
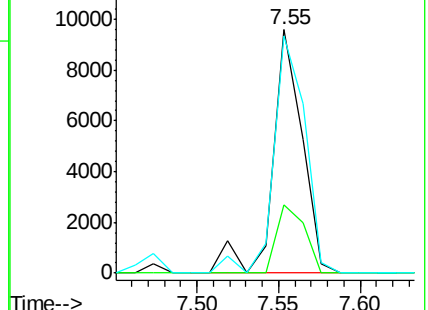
77 97.3 52.2 78.4#



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

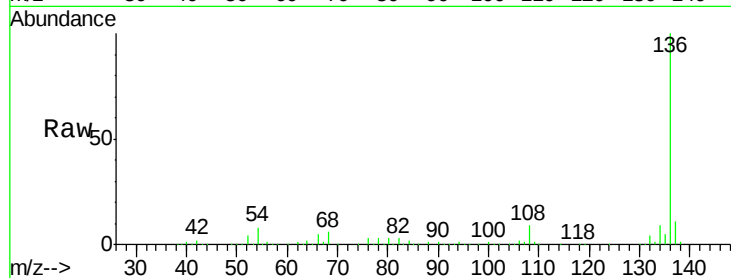




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.95 min Scan# 679
Delta R.T. 0.00 min
Lab File: BF078870.D
Acq: 1 May 2015 2:04

Instrument :
BNA_F
ClientSampleId :
SB-57S

Tgt Ion:	136	Resp:	355532
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.7	13.1
54	7.8	5.8	8.8
68	6.0	4.2	6.4

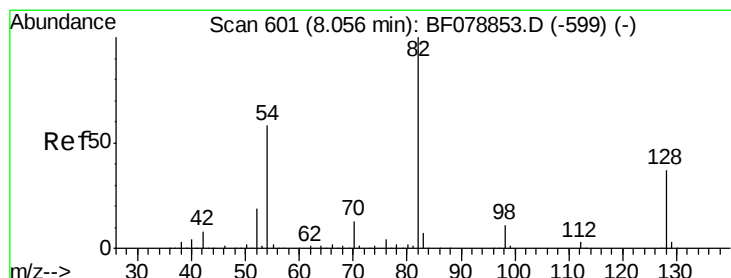
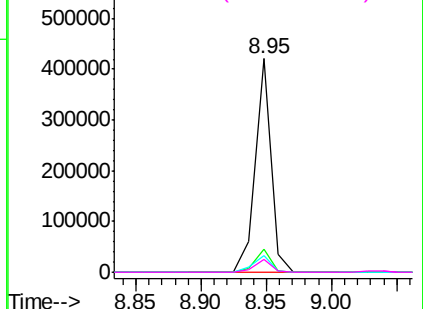
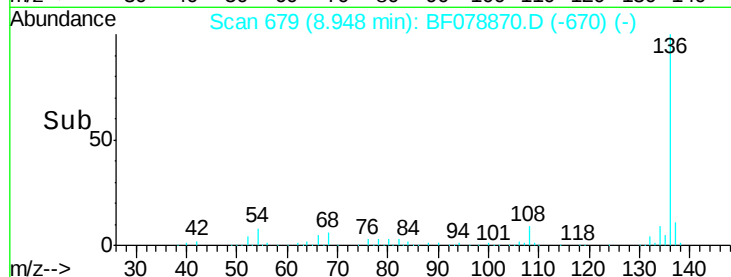


Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

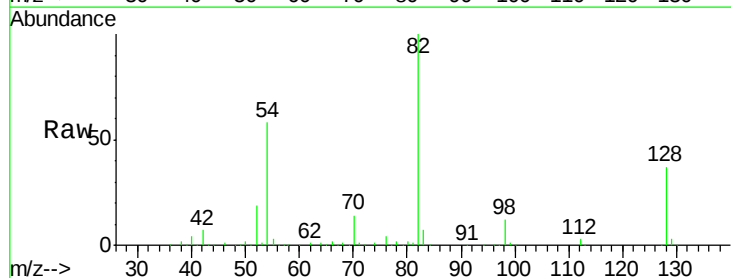
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23
Nitrobenzene-d5
Concen: 86.09 ng
RT: 8.06 min Scan# 601
Delta R.T. 0.00 min
Lab File: BF078870.D
Acq: 1 May 2015 2:04

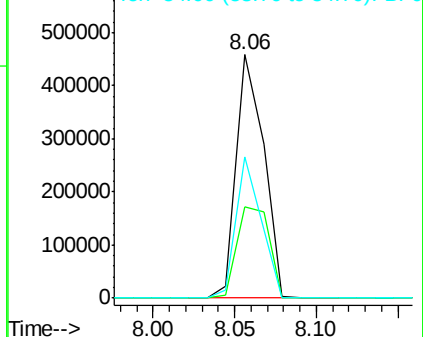
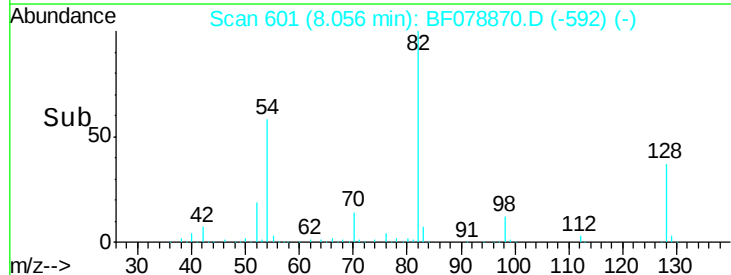
Tgt Ion:	82	Resp:	532584
Ion Ratio	Lower	Upper	
82	100		
128	37.4	30.0	45.0
54	57.8	46.4	69.6

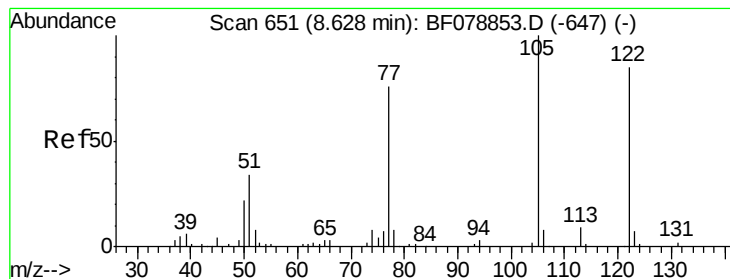


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 8.67 ng

RT: 8.58 min Scan# 647

Delta R.T. -0.05 min

Lab File: BF078870.D

Acq: 1 May 2015 2:04

Instrument :

BNA_F

ClientSampleId :

SB-57S

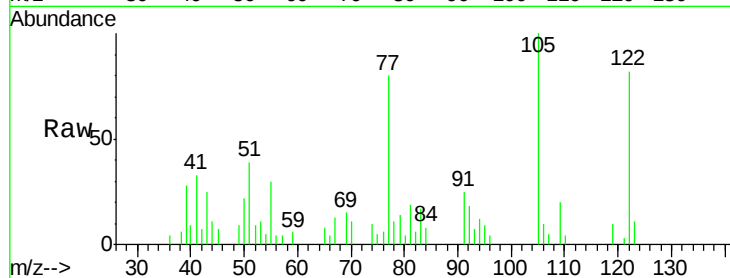
Tgt Ion:122 Resp: 8625

Ion Ratio Lower Upper

122 100

105 122.6 107.1 147.1

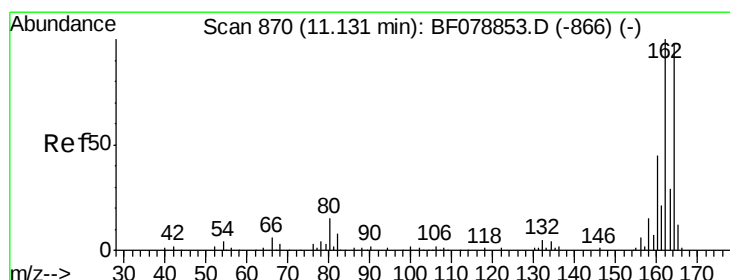
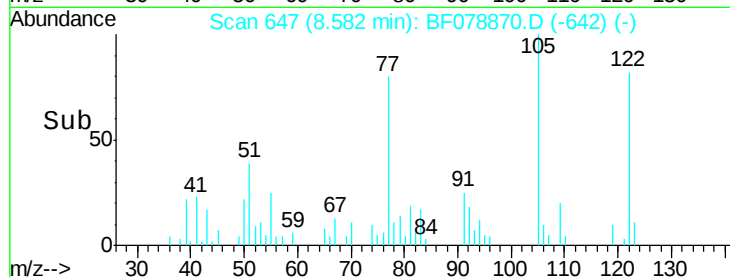
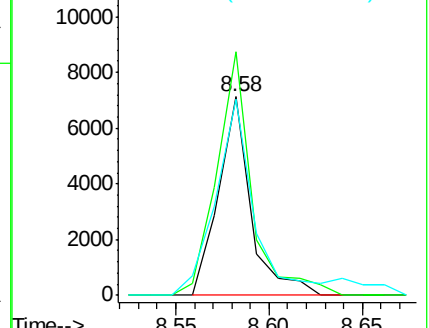
77 98.6 73.9 113.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 869

Delta R.T. -0.01 min

Lab File: BF078870.D

Acq: 1 May 2015 2:04

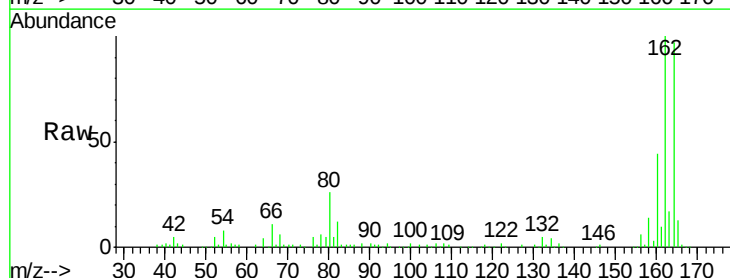
Tgt Ion:164 Resp: 161604

Ion Ratio Lower Upper

164 100

162 103.2 82.7 124.1

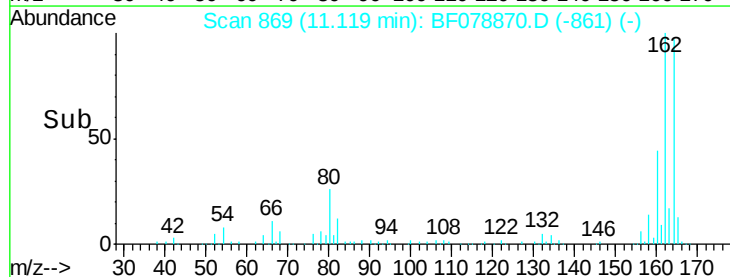
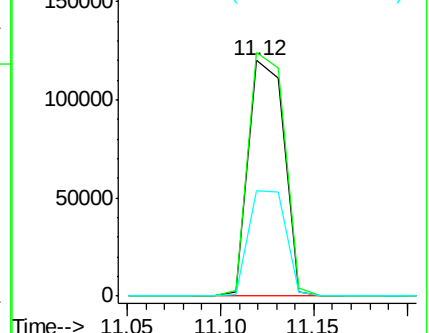
160 44.9 35.8 53.8

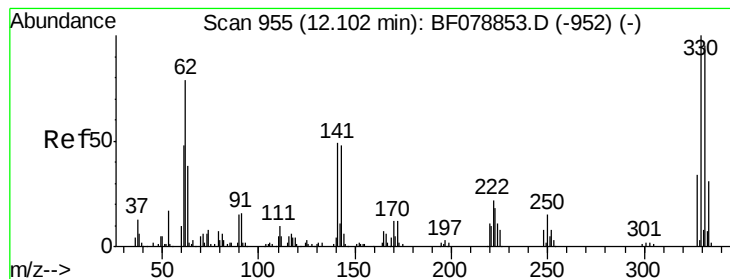


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 156.44 ng

RT: 12.10 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF078870.D

Acq: 1 May 2015 2:04

Instrument :

BNA_F

ClientSampleId :

SB-57S

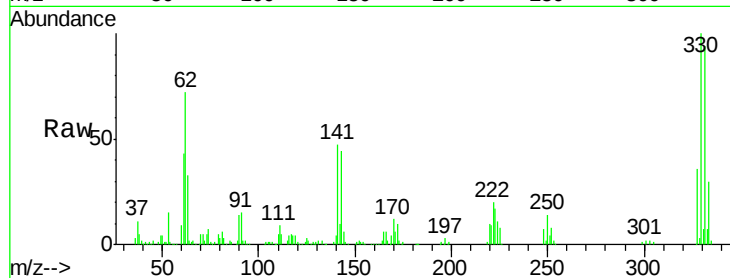
Tgt Ion:330 Resp: 273499

Ion Ratio Lower Upper

330 100

332 96.9 0.0 0.0#

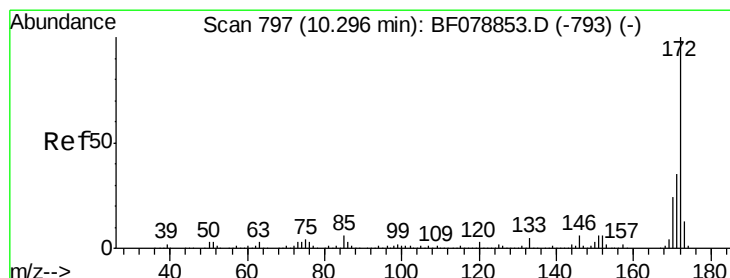
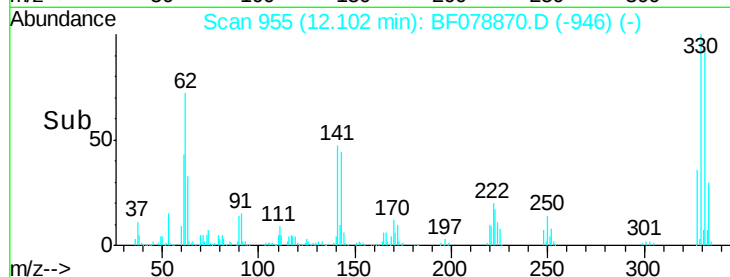
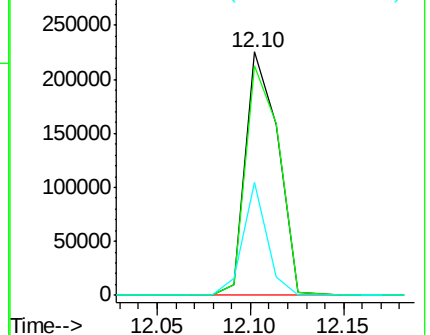
141 34.8 0.0 0.0#



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: 96.19 ng

RT: 10.30 min Scan# 797

Delta R.T. 0.00 min

Lab File: BF078870.D

Acq: 1 May 2015 2:04

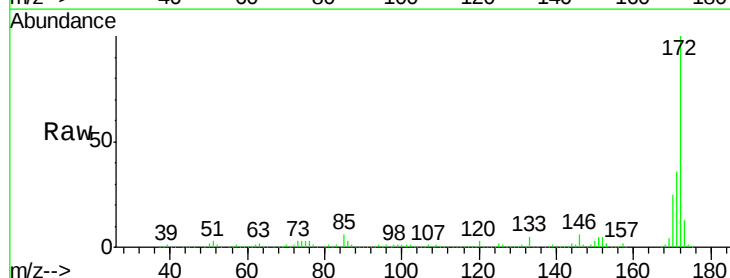
Tgt Ion:172 Resp: 1115692

Ion Ratio Lower Upper

172 100

171 35.6 27.9 41.9

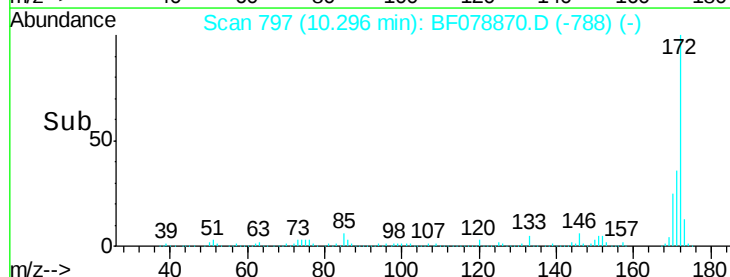
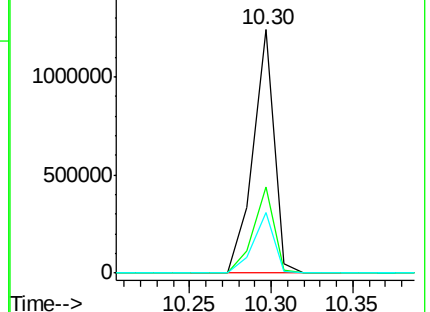
170 24.8 19.4 29.0

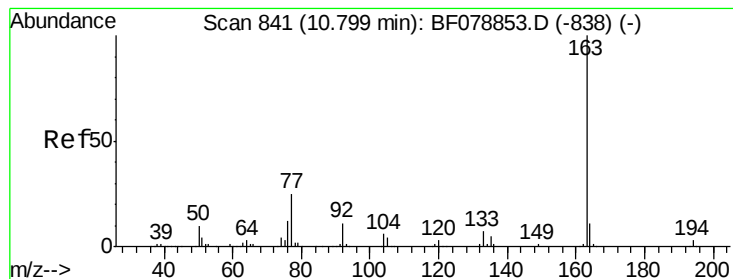


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 5.66 ng

RT: 10.80 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF078870.D

Acq: 1 May 2015 2:04

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SB-57S

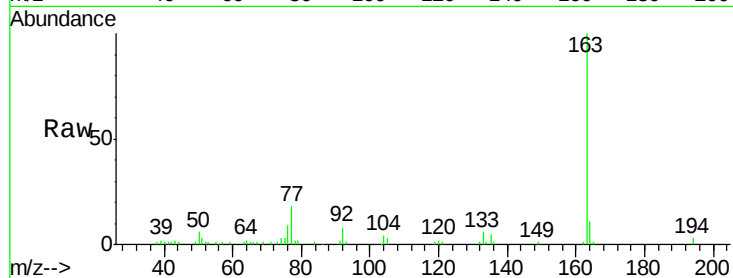
Tgt Ion:163 Resp: 67082

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

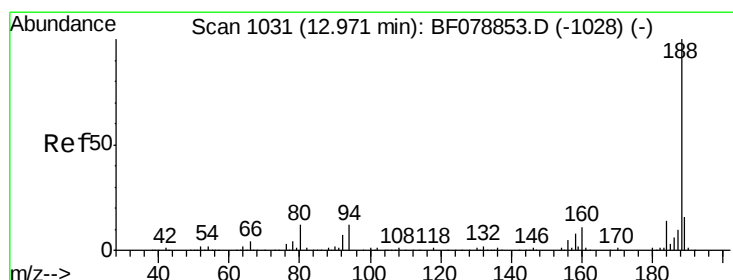
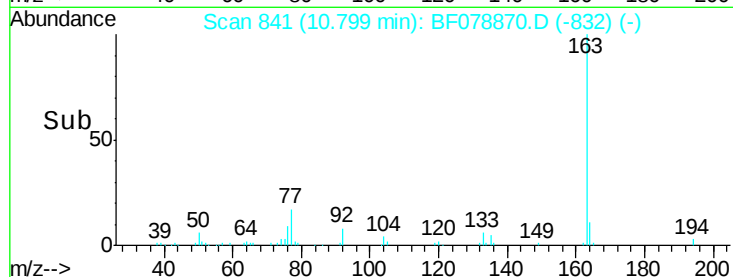
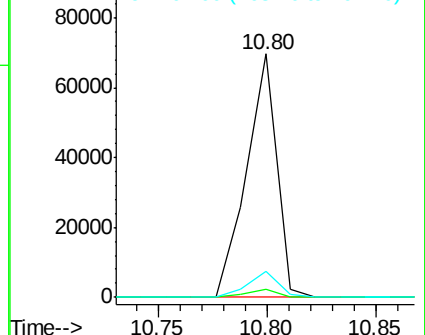
164 10.9 8.1 12.1



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.97 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BF078870.D

Acq: 1 May 2015 2:04

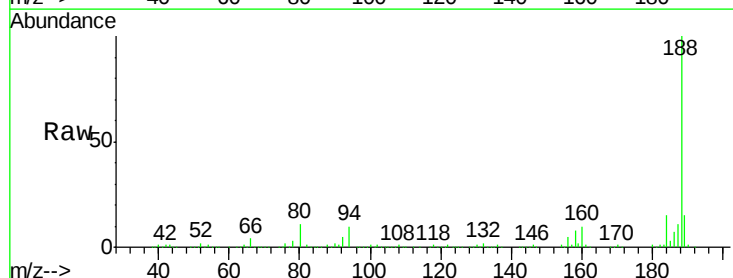
Tgt Ion:188 Resp: 314330

Ion Ratio Lower Upper

188 100

94 10.1 8.2 12.2

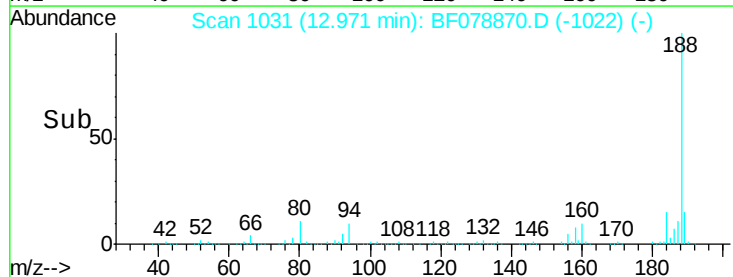
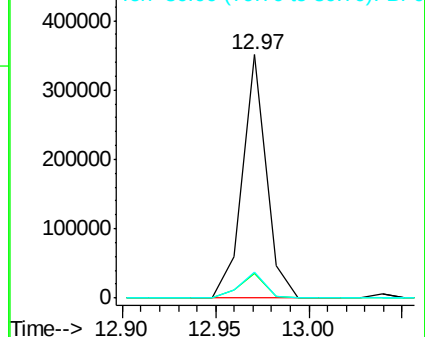
80 10.7 8.9 13.3

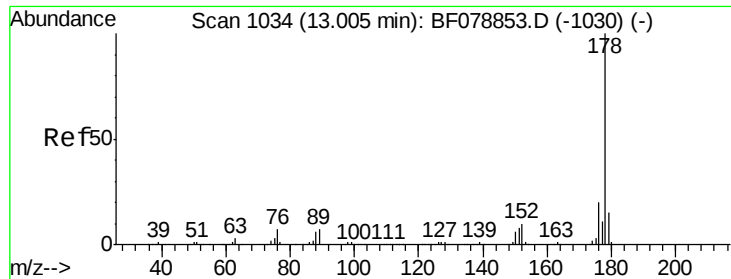


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 3.05 ng

RT: 13.01 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF078870.D

Acq: 1 May 2015 2:04

Instrument :

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SB-57S

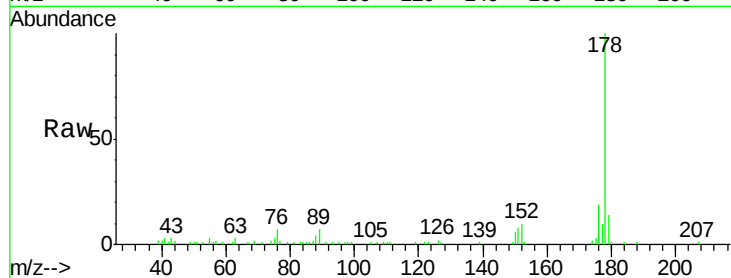
Tgt Ion:178 Resp: 53619

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

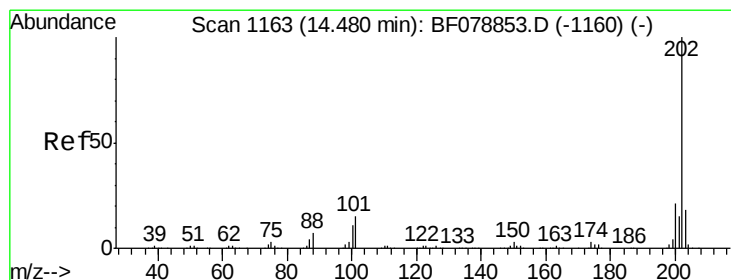
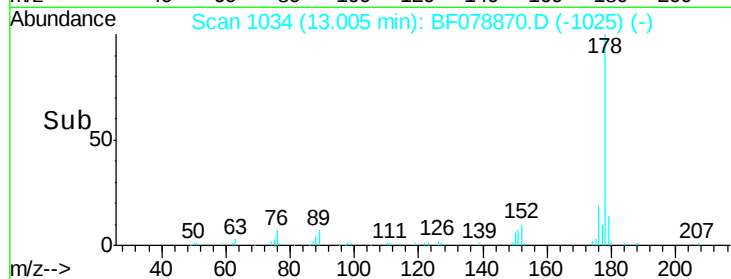
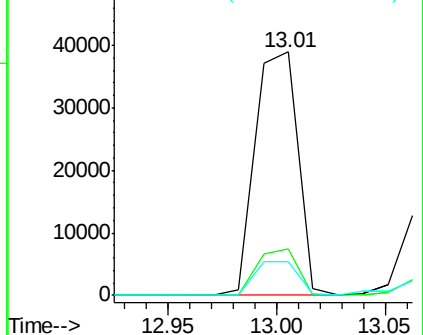
179 13.9 12.5 18.7



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: 5.11 ng

RT: 14.48 min Scan# 1163

Delta R.T. 0.00 min

Lab File: BF078870.D

Acq: 1 May 2015 2:04

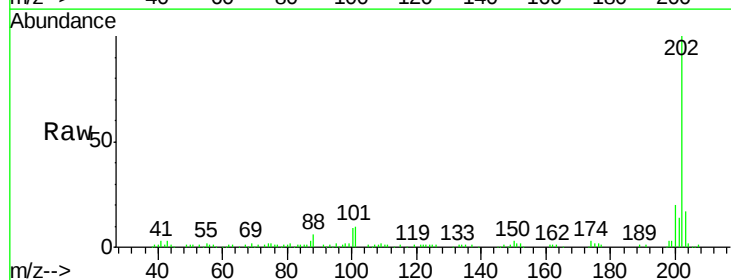
Tgt Ion:202 Resp: 93632

Ion Ratio Lower Upper

202 100

101 10.4 0.0 34.6

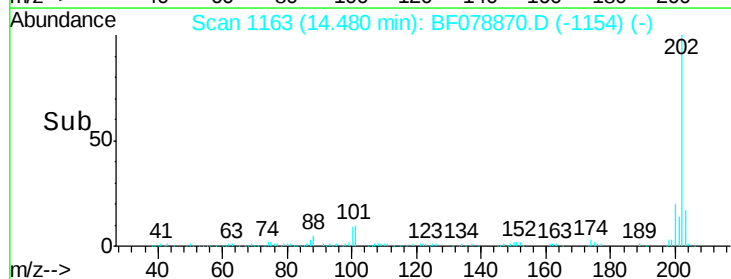
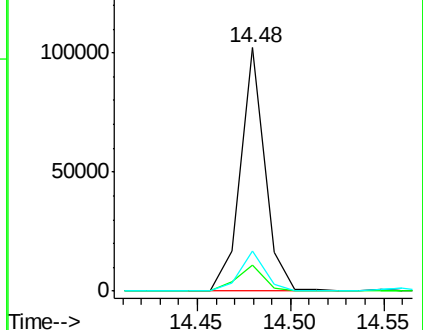
203 16.6 0.0 38.4

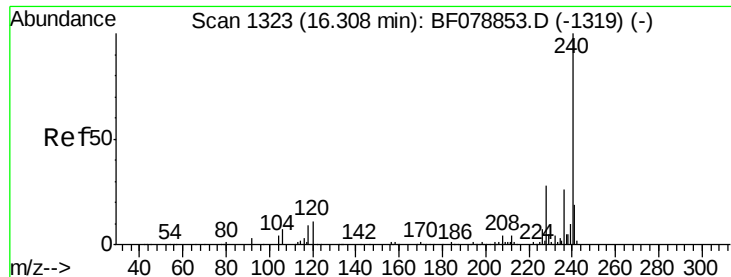


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

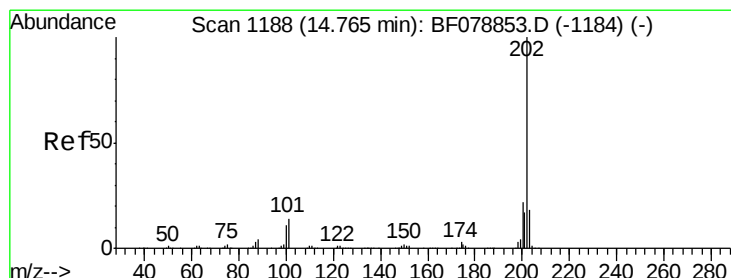
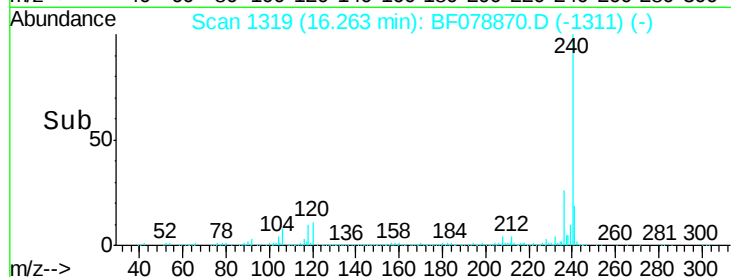
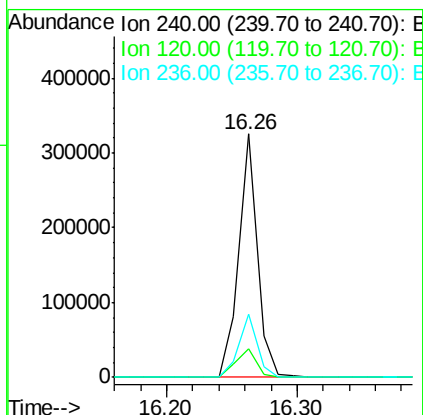
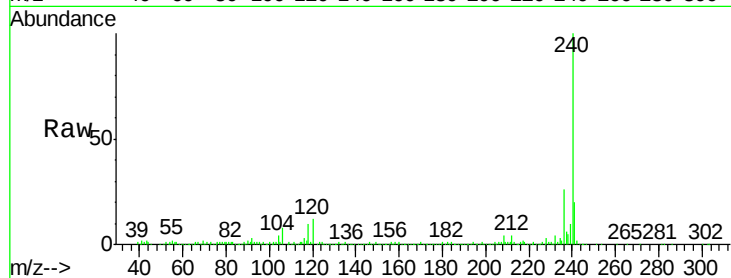




#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.26 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF078870.D
Acq: 1 May 2015 2:04

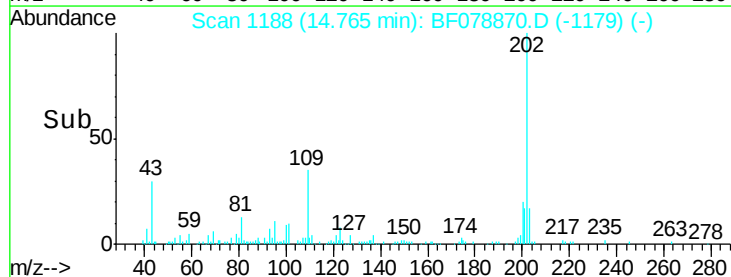
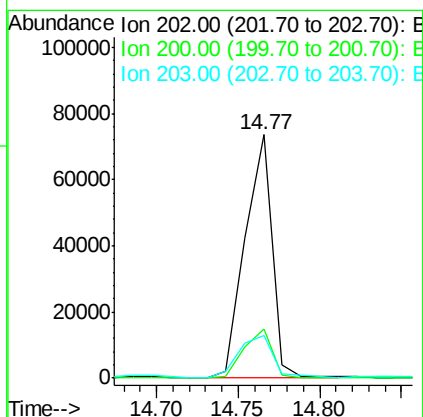
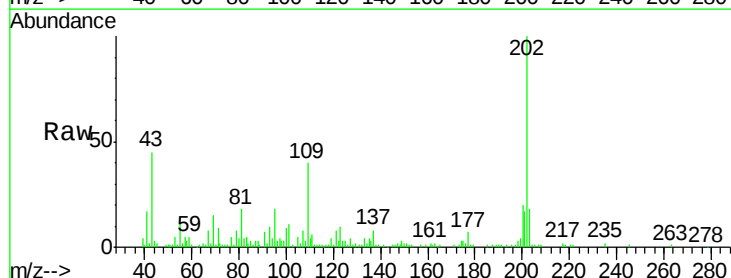
Instrument :
BNA_F
ClientSampleId :
SB-57S

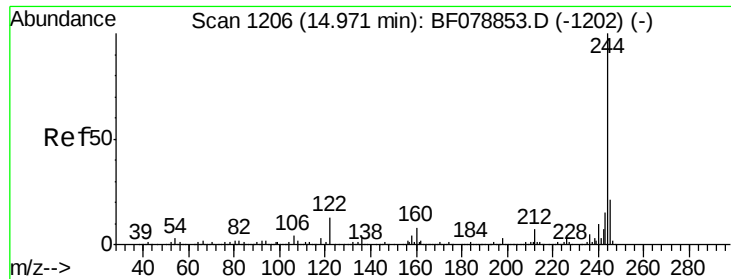
Tgt Ion:240 Resp: 323074
Ion Ratio Lower Upper
240 100
120 11.5 9.7 14.5
236 25.7 20.2 30.4



#77
Pyrene
Concen: 4.57 ng
RT: 14.77 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF078870.D
Acq: 1 May 2015 2:04

Tgt Ion:202 Resp: 84998
Ion Ratio Lower Upper
202 100
200 19.9 17.5 26.3
203 17.6 13.9 20.9





#78

Terphenyl-d14

Concen: 89.98 ng

RT: 14.97 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BF078870.D

Acq: 1 May 2015 2:04

Instrument :

BNA_F

ClientSampleId :

SB-57S

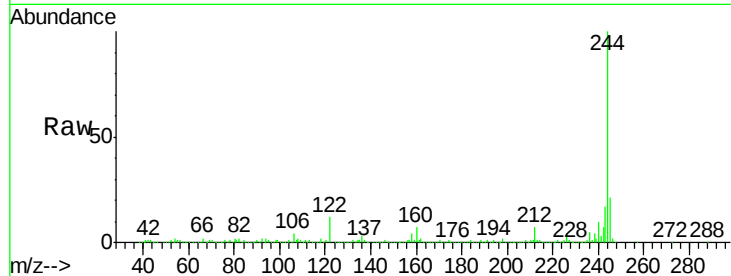
Tgt Ion:244 Resp: 1214215

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

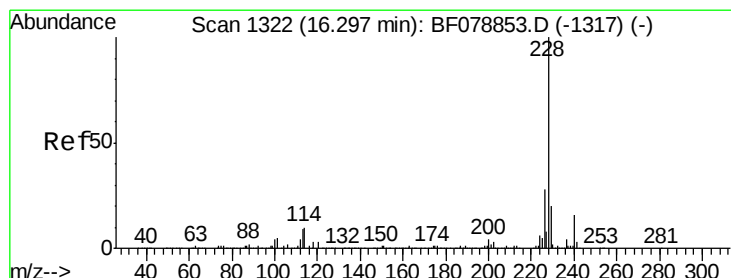
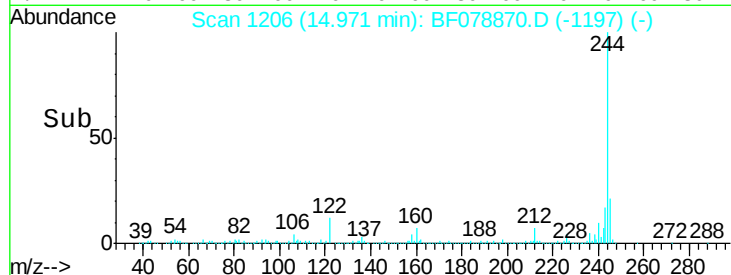
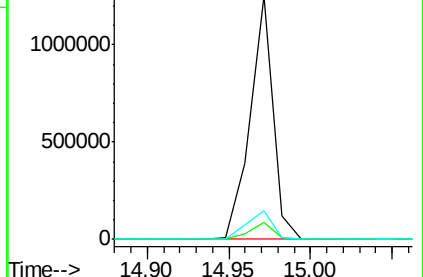
122 12.0 10.3 15.5



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: 2.92 ng

RT: 16.25 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF078870.D

Acq: 1 May 2015 2:04

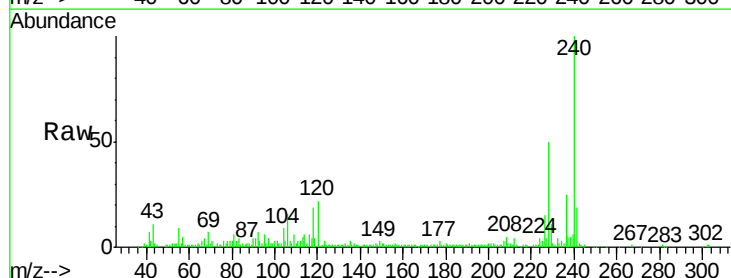
Tgt Ion:228 Resp: 51723

Ion Ratio Lower Upper

228 100

226 30.1 22.6 33.8

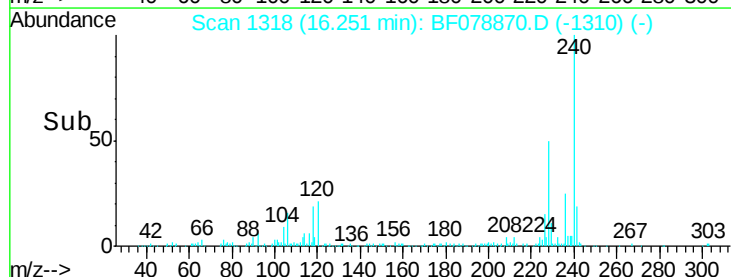
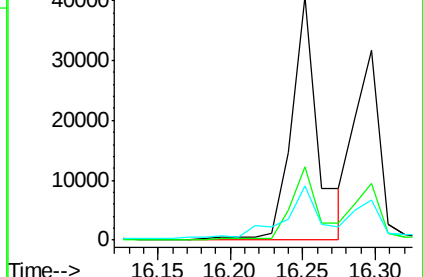
229 22.2 15.9 23.9

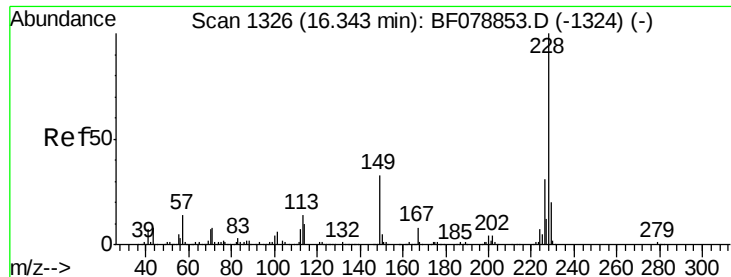


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.18 ng

RT: 16.30 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF078870.D

Acq: 1 May 2015 2:04

Instrument :

BNA_F

ClientSampleId :

SB-57S

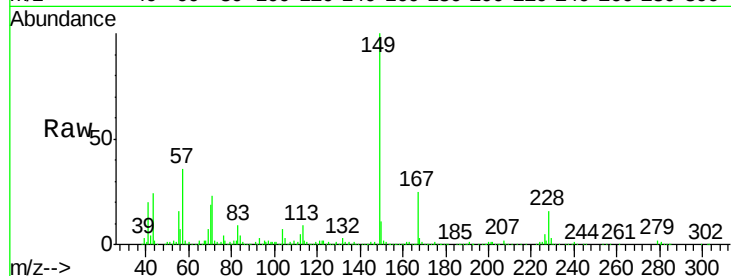
Tgt Ion:228 Resp: 37161

Ion Ratio Lower Upper

228 100

226 29.9 24.9 37.3

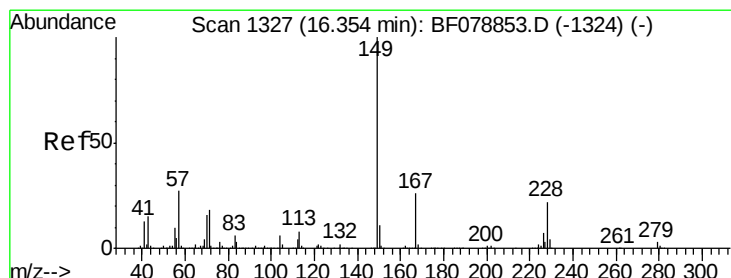
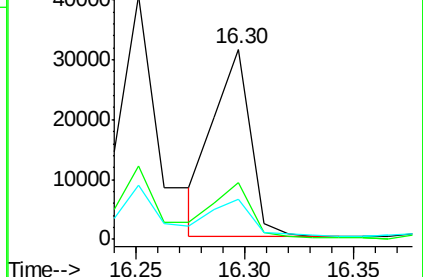
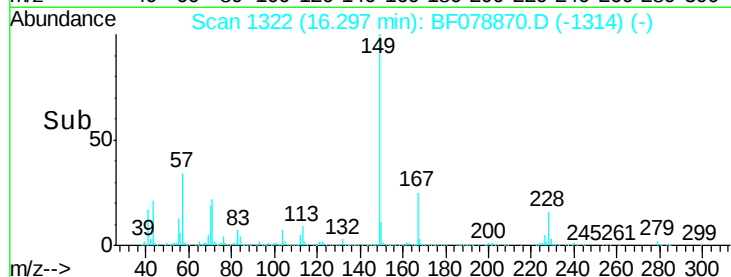
229 21.0 16.0 24.0



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: 16.74 ng

RT: 16.30 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF078870.D

Acq: 1 May 2015 2:04

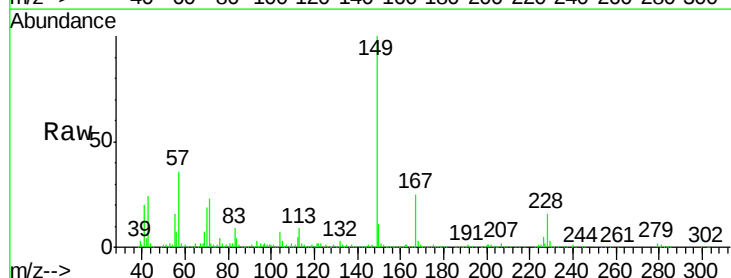
Tgt Ion:149 Resp: 206298

Ion Ratio Lower Upper

149 100

167 24.9 21.8 32.8

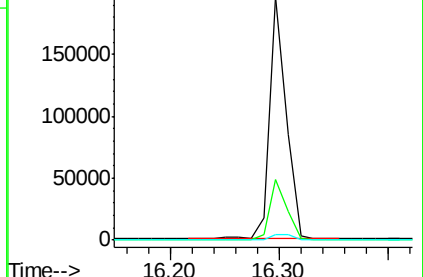
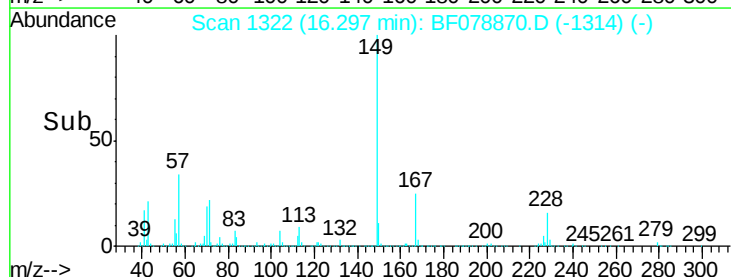
279 2.3 2.9 4.3#

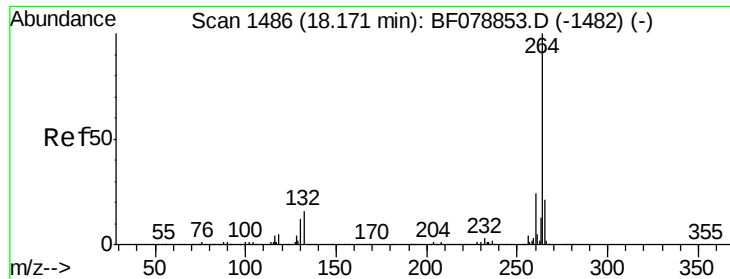


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



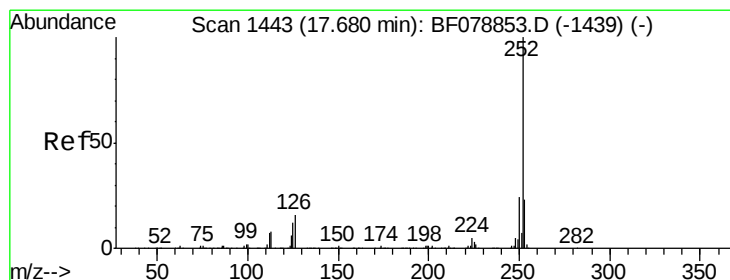
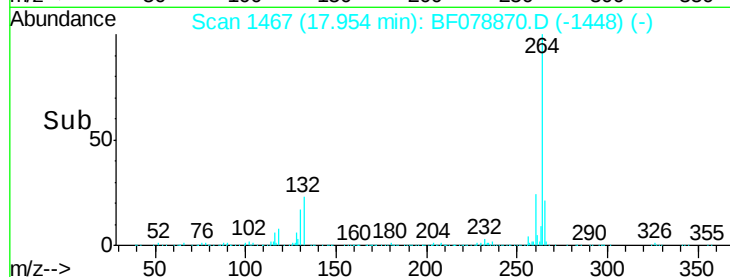
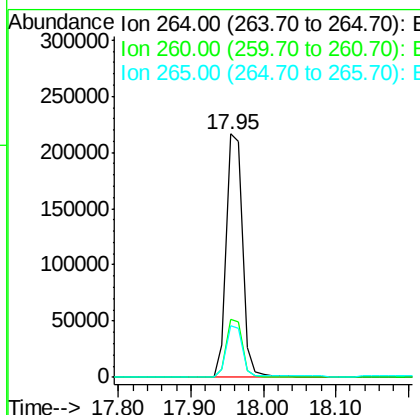
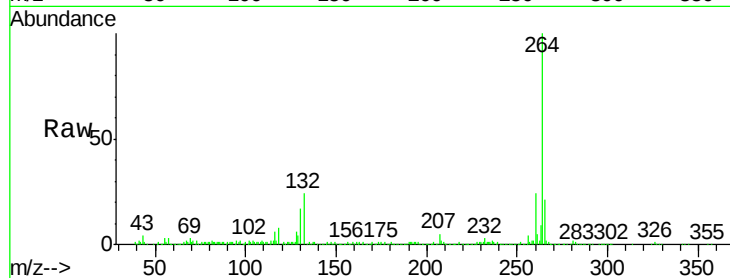


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.95 min Scan# 1467
Delta R.T. -0.08 min
Lab File: BF078870.D
Acq: 1 May 2015 2:04

Instrument :
BNA_F
ClientSampleId :
SB-57S

Tgt Ion: 264 Resp: 342047

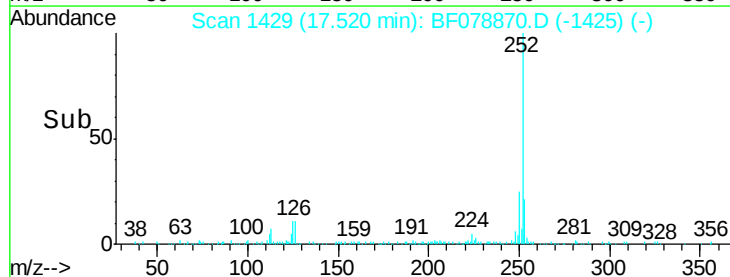
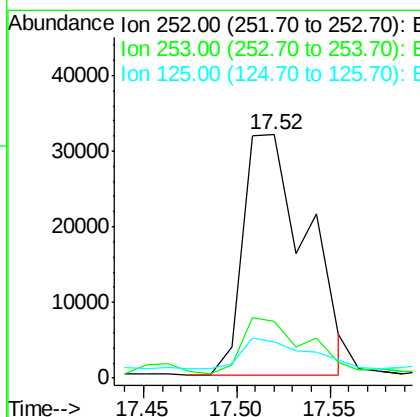
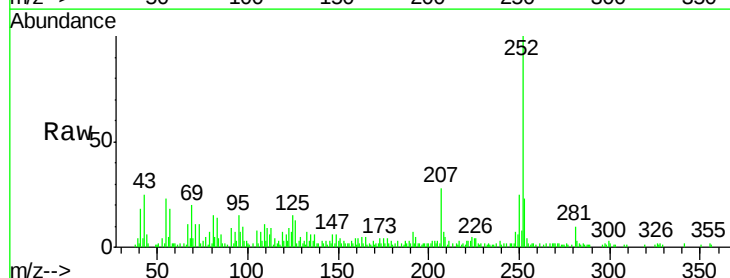
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	21.4	18.3	27.5

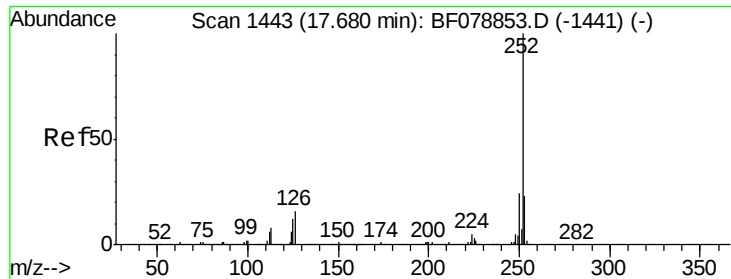


#87
Benzo(b)fluoranthene
Concen: 4.03 ng
RT: 17.52 min Scan# 1429
Delta R.T. -0.06 min
Lab File: BF078870.D
Acq: 1 May 2015 2:04

Tgt Ion: 252 Resp: 75442

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.7	26.5
125	14.9	9.5	14.3

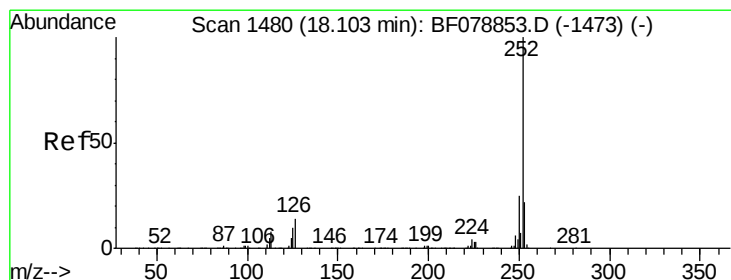
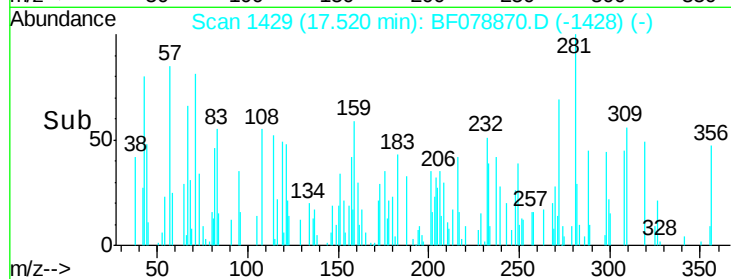
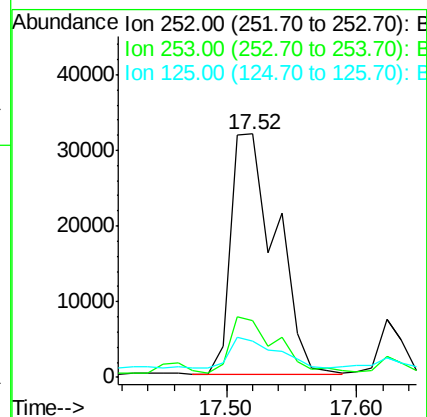
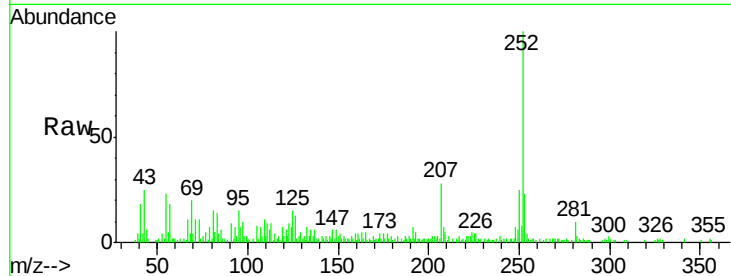




#88
Benzo(k)fluoranthene
Concen: 4.22 ng
RT: 17.52 min Scan# 1429
Delta R.T. -0.09 min
Lab File: BF078870.D
Acq: 1 May 2015 2:04

Instrument :
BNA_F
ClientSampleId :
SB-57S

Tgt Ion:252 Resp: 76518
Ion Ratio Lower Upper
252 100
253 23.5 18.1 27.1
125 14.9 10.0 15.0



#89
Benzo(a)pyrene
Concen: 2.48 ng
RT: 17.90 min Scan# 1462
Delta R.T. -0.07 min
Lab File: BF078870.D
Acq: 1 May 2015 2:04

Tgt Ion:252 Resp: 42675
Ion Ratio Lower Upper
252 100
253 24.7 17.3 25.9
125 12.7 7.0 10.6#

