

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF043015\
 Data File : BF078867.D
 Acq On : 1 May 2015 00:38
 Operator : TP/IZ
 Sample : G2044-05 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-61S

Quant Time: May 01 01:21:33 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

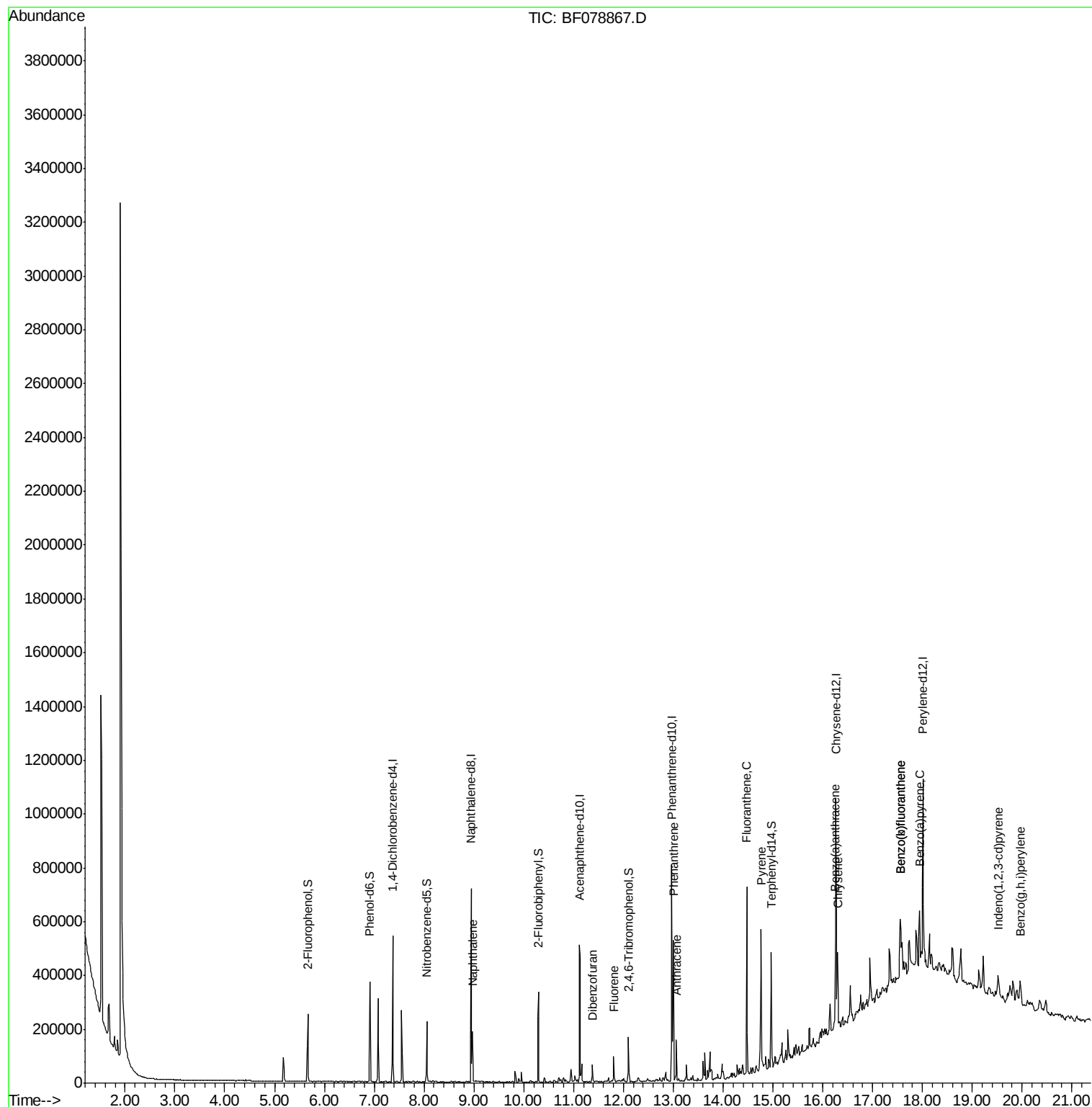
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	75794	20.00	ng	0.00
21) Naphthalene-d8	8.95	136	311715	20.00	ng	0.00
38) Acenaphthene-d10	11.12	164	145464	20.00	ng	-0.01
63) Phenanthrene-d10	12.97	188	294433	20.00	ng	0.00
75) Chrysene-d12	16.26	240	310920	20.00	ng	-0.01
86) Perylene-d12	18.01	264	327466	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	80194	18.21	ng	0.00
7) Phenol-d6	6.91	99	120326	20.67	ng	0.00
23) Nitrobenzene-d5	8.06	82	64979	11.98	ng	0.00
41) 2,4,6-Tribromophenol	12.10	330	16743	10.64	ng	0.00
44) 2-Fluorobiphenyl	10.30	172	136733	13.10	ng	0.00
78) Terphenyl-d14	14.97	244	168473	12.97	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.97	128	82066	5.53	ng	99
54) Dibenzofuran	11.38	168	25588	2.01	ng	99
57) Fluorene	11.81	166	25487	2.43	ng	95
70) Phenanthrene	13.01	178	271802	16.50	ng	99
71) Anthracene	13.06	178	61790	3.82	ng	98
74) Fluoranthene	14.48	202	283922	16.54	ng	97
77) Pyrene	14.77	202	258840	14.45	ng	99
80) Benzo(a)anthracene	16.25	228	131908	7.75	ng	96
82) Chrysene	16.30	228	112817	6.89	ng	98
85) Indeno(1,2,3-cd)pyrene	19.52	276	70171	3.36	ng	# 100
87) Benzo(b)fluoranthene	17.55	252	188576	10.52	ng	96
88) Benzo(k)fluoranthene	17.55	252	190490	10.98	ng	97
89) Benzo(a)pyrene	17.94	252	110309	6.68	ng	# 93
91) Benzo(g,h,i)perylene	19.97	276	66834	3.80	ng	95

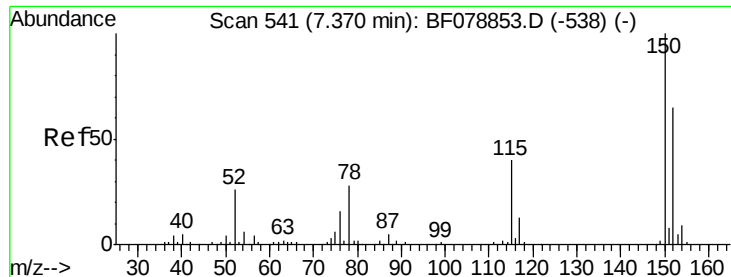
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF078867.D

Acq: 1 May 2015 00:38

Instrument :

BNA_F

ClientSampleId :

SB-61S

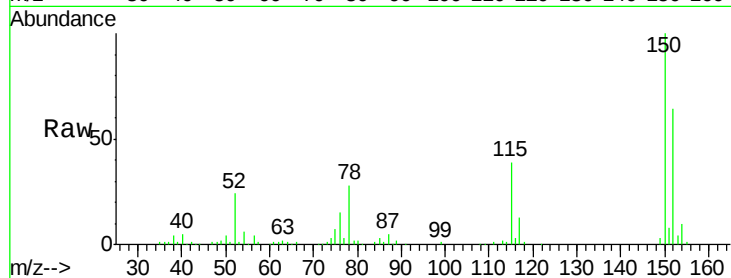
Tgt Ion:152 Resp: 75794

Ion Ratio Lower Upper

152 100

150 156.6 122.0 183.0

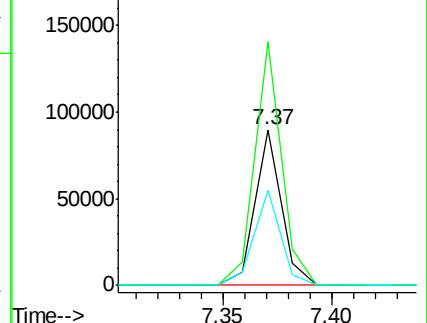
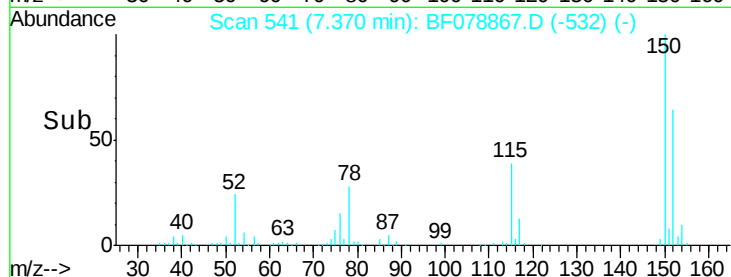
115 61.5 46.3 69.5



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: 18.21 ng

RT: 5.67 min Scan# 392

Delta R.T. 0.00 min

Lab File: BF078867.D

Acq: 1 May 2015 00:38

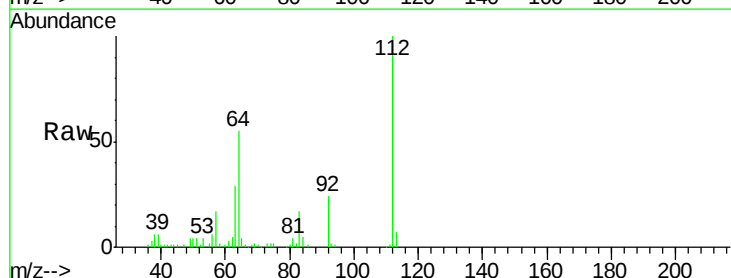
Tgt Ion:112 Resp: 80194

Ion Ratio Lower Upper

112 100

64 55.4 53.5 80.3

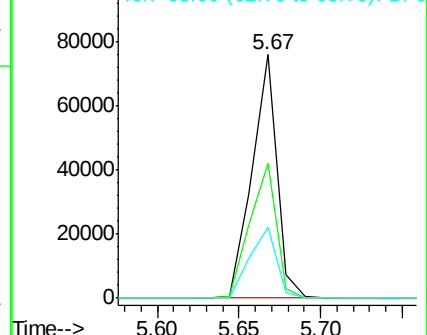
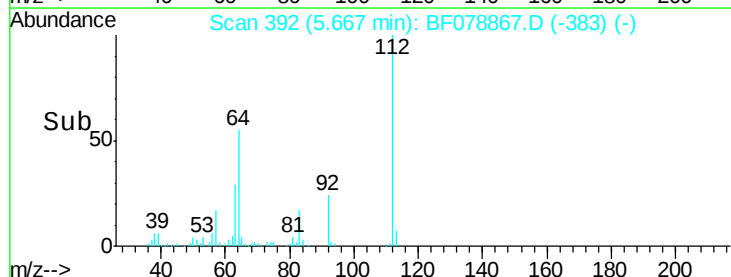
63 29.0 27.5 41.3



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: 20.67 ng

RT: 6.91 min Scan# 501

Delta R.T. 0.00 min

Lab File: BF078867.D

Acq: 1 May 2015 00:38

Instrument :

BNA_F

ClientSampleId :

SB-61S

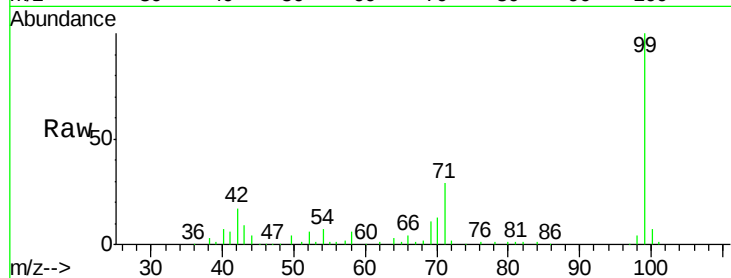
Tgt Ion: 99 Resp: 120326

Ion Ratio Lower Upper

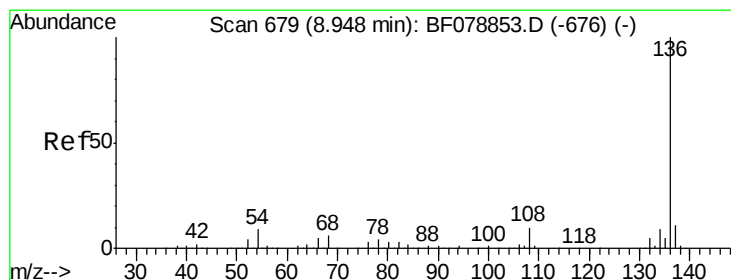
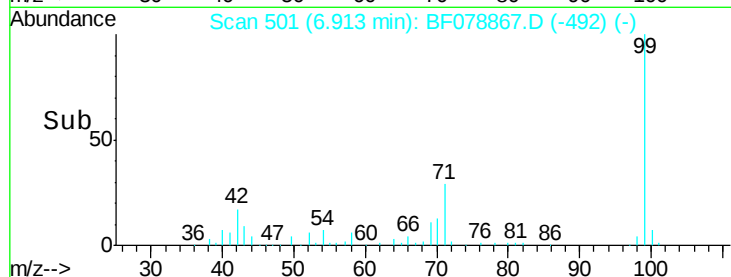
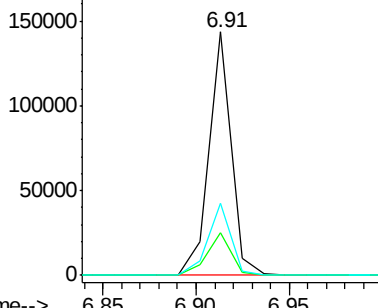
99 100

42 17.4 12.8 19.2

71 29.4 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.95 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF078867.D

Acq: 1 May 2015 00:38

Tgt Ion: 136 Resp: 311715

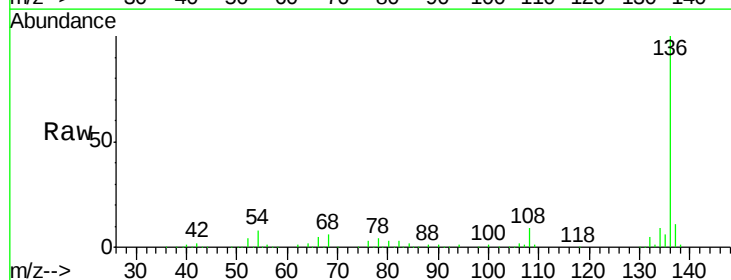
Ion Ratio Lower Upper

136 100

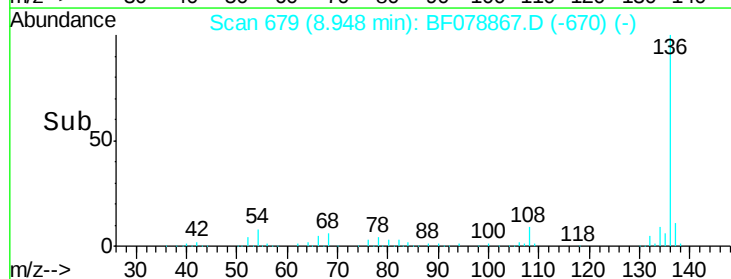
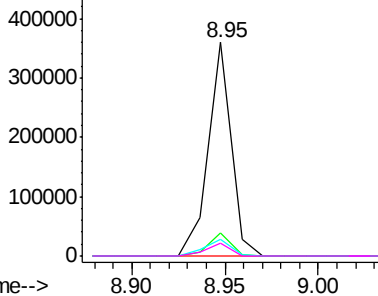
137 10.9 8.7 13.1

54 7.9 5.8 8.8

68 5.8 4.2 6.4



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

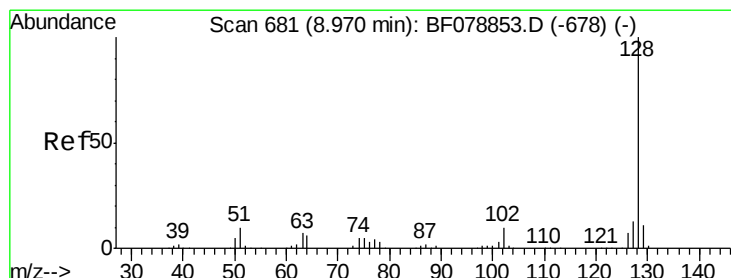
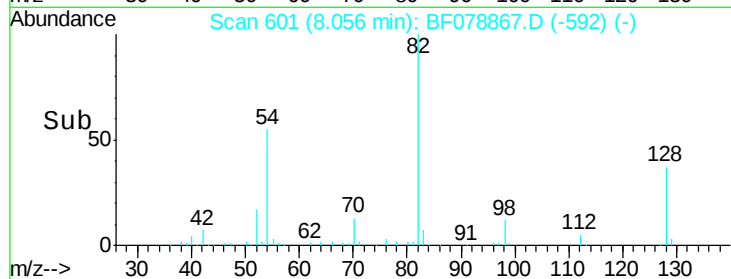
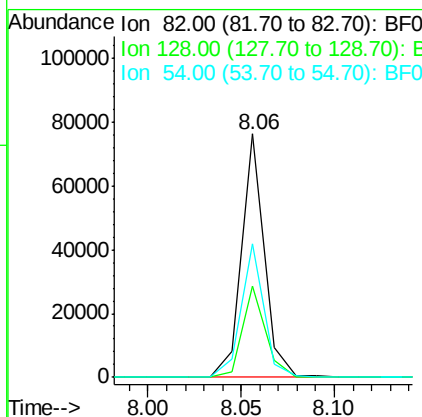
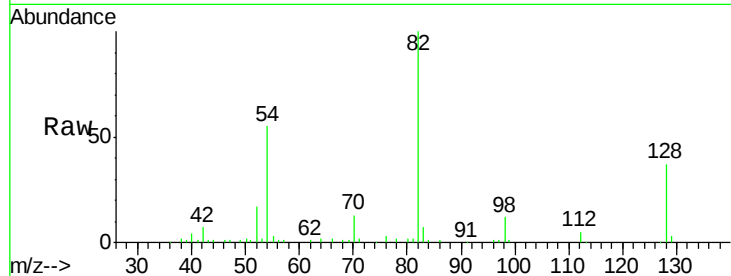




#23
 Nitrobenzene-d5
 Concen: 11.98 ng
 RT: 8.06 min Scan# 601
 Delta R.T. 0.00 min
 Lab File: BF078867.D
 Acq: 1 May 2015 00:38

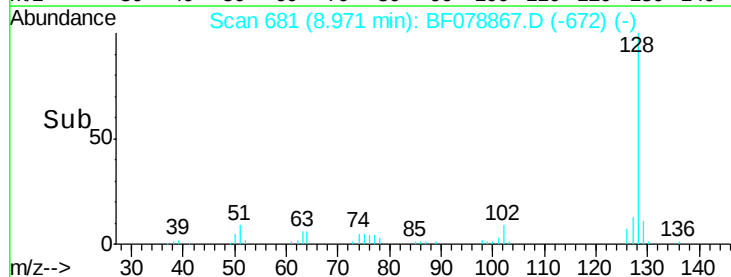
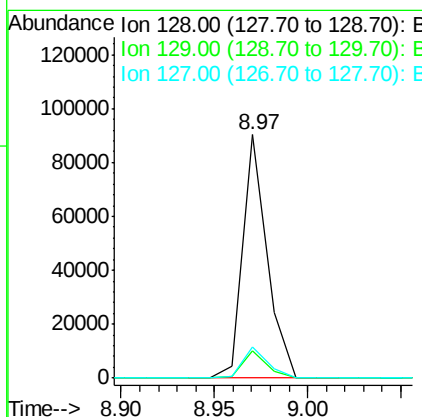
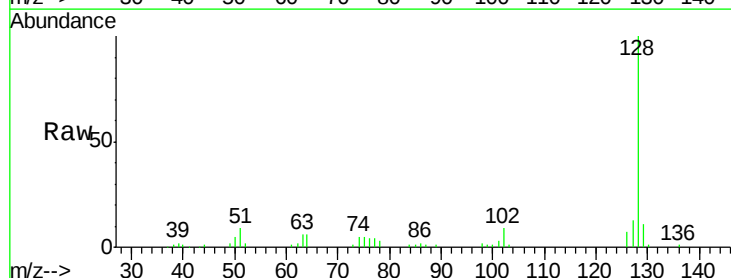
Instrument :
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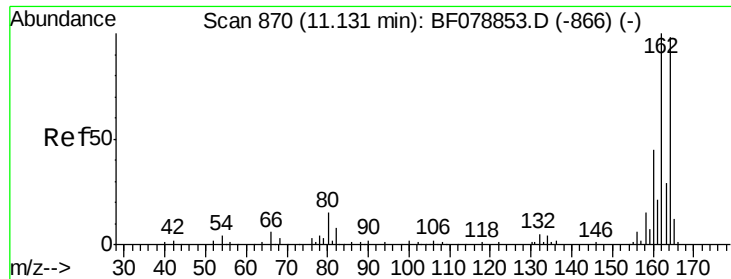
Tgt Ion: 82 Resp: 64979
 Ion Ratio Lower Upper
 82 100
 128 37.2 30.0 45.0
 54 54.9 46.4 69.6



#31
 Naphthalene
 Concen: 5.53 ng
 RT: 8.97 min Scan# 681
 Delta R.T. -0.00 min
 Lab File: BF078867.D
 Acq: 1 May 2015 00:38

Tgt Ion: 128 Resp: 82066
 Ion Ratio Lower Upper
 128 100
 129 11.2 9.3 13.9
 127 12.9 10.7 16.1

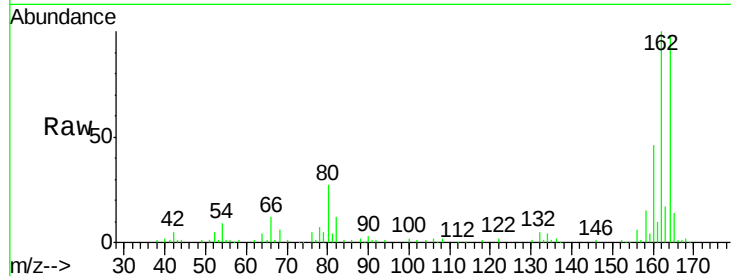




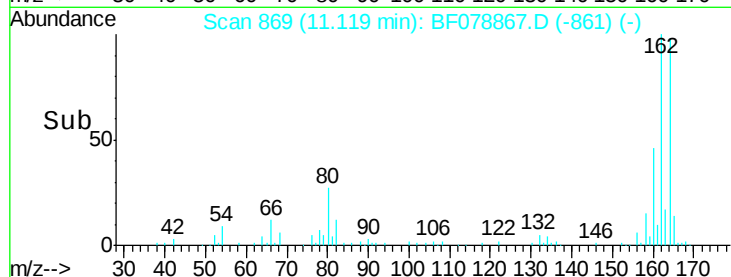
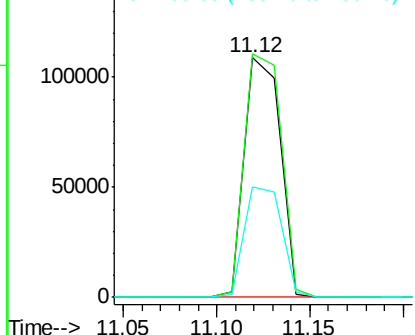
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.12 min Scan# 869
 Delta R.T. -0.01 min
 Lab File: BF078867.D
 Acq: 1 May 2015 00:38

Instrument :
 BNA_F
 ClientSampled :
 SB-61S

Tgt Ion:164 Resp: 145464
 Ion Ratio Lower Upper
 164 100
 162 101.8 82.7 124.1
 160 46.4 35.8 53.8

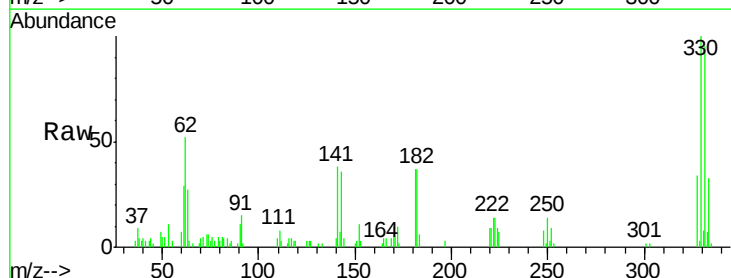


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

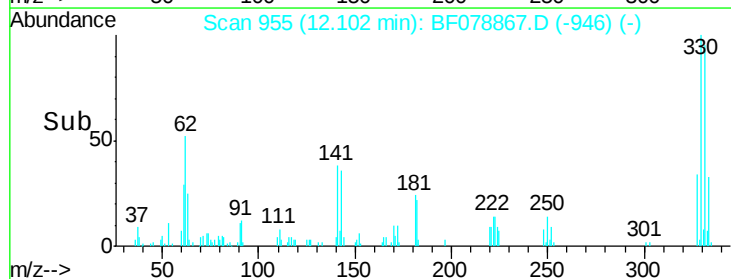
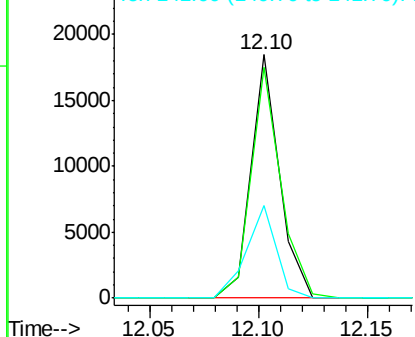


#41
 2,4,6-Tribromophenol
 Concen: 10.64 ng
 RT: 12.10 min Scan# 955
 Delta R.T. 0.00 min
 Lab File: BF078867.D
 Acq: 1 May 2015 00:38

Tgt Ion:330 Resp: 16743
 Ion Ratio Lower Upper
 330 100
 332 100.0 0.0 0.0#
 141 40.0 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

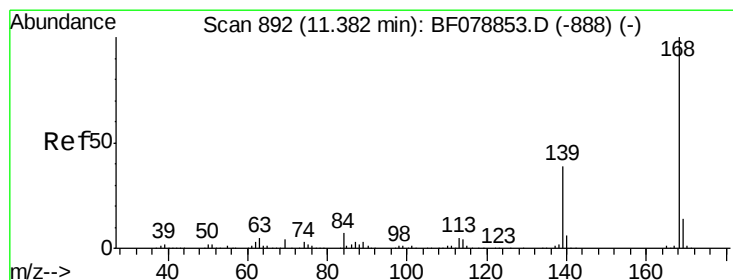
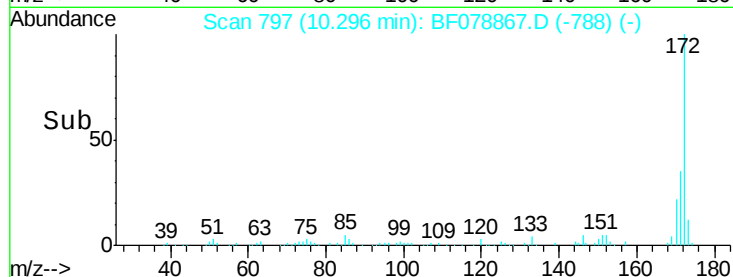
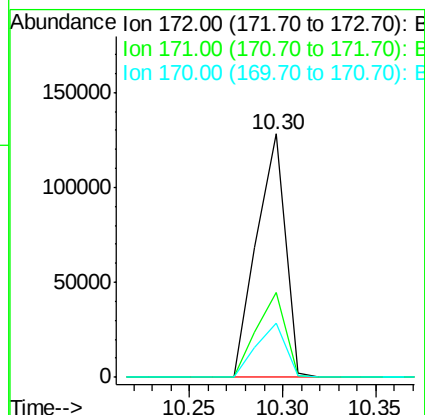
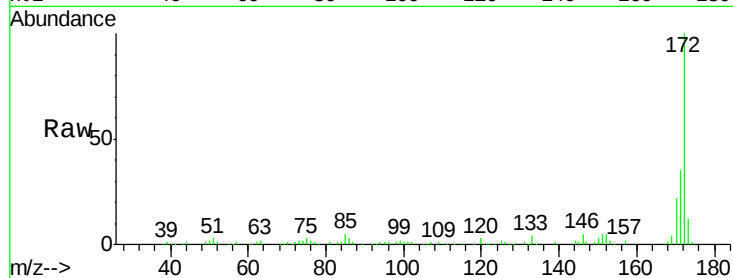




#44
 2-Fluorobiphenyl
 Concen: 13.10 ng
 RT: 10.30 min Scan# 797
 Delta R.T. 0.00 min
 Lab File: BF078867.D
 Acq: 1 May 2015 00:38

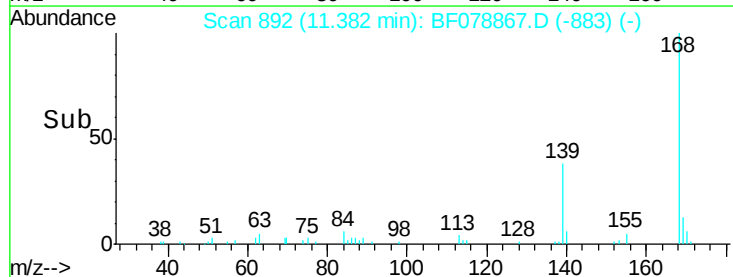
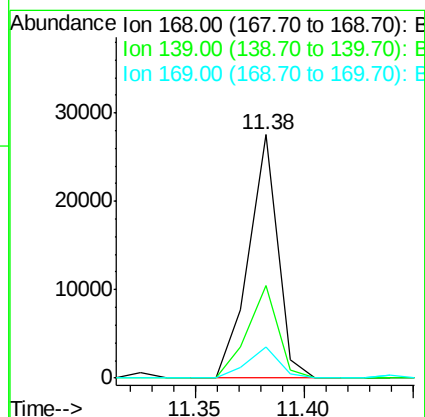
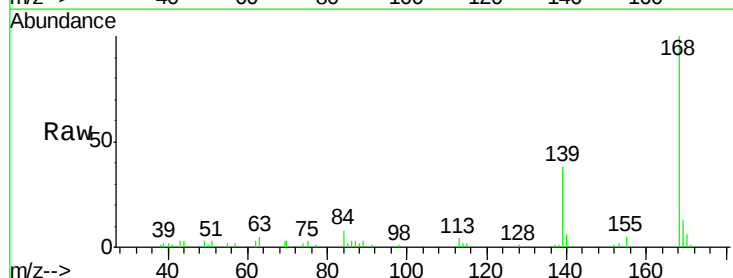
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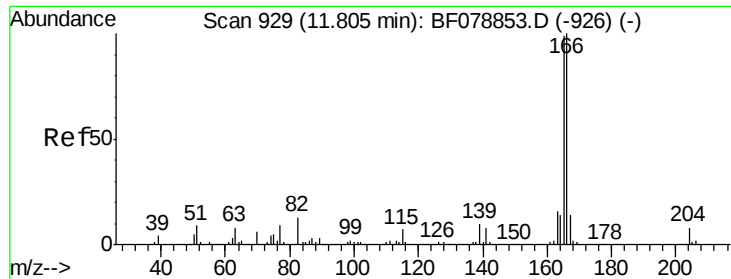
Tgt Ion:172 Resp: 136733
 Ion Ratio Lower Upper
 172 100
 171 34.8 27.9 41.9
 170 22.4 19.4 29.0



#54
 Dibenzofuran
 Concen: 2.01 ng
 RT: 11.38 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: BF078867.D
 Acq: 1 May 2015 00:38

Tgt Ion:168 Resp: 25588
 Ion Ratio Lower Upper
 168 100
 139 38.0 31.0 46.4
 169 12.6 10.6 16.0

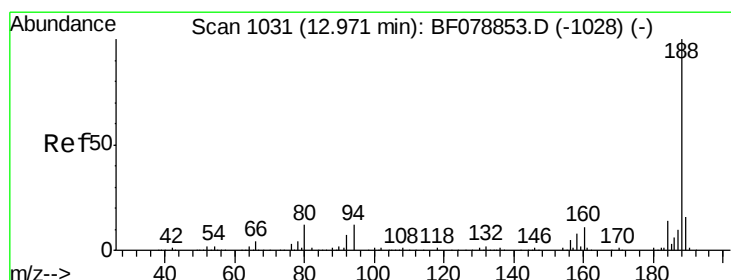
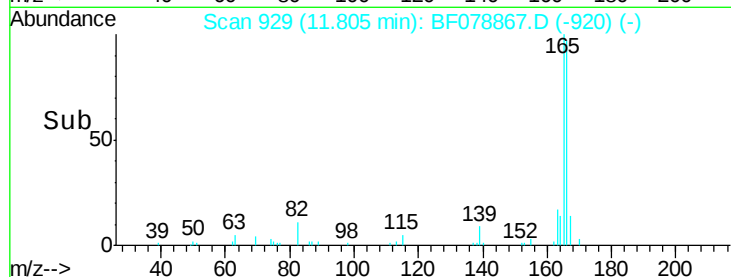
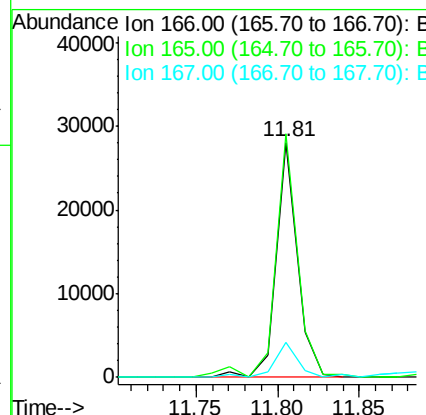
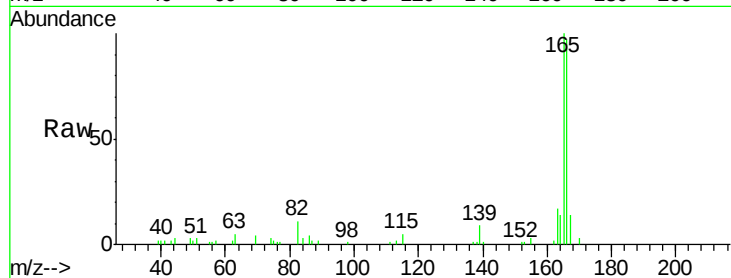




#57
Fluorene
 Concen: 2.43 ng
 RT: 11.81 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: BF078867.D
 Acq: 1 May 2015 00:38

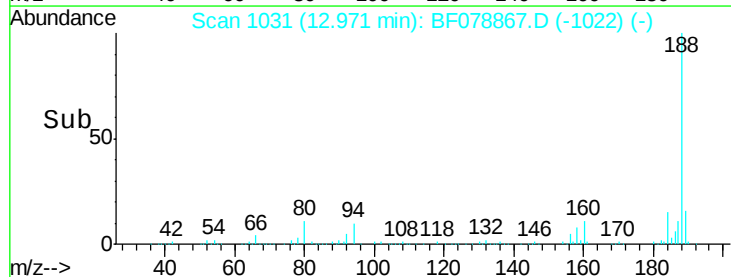
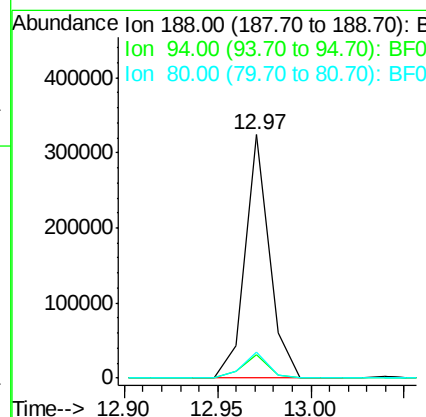
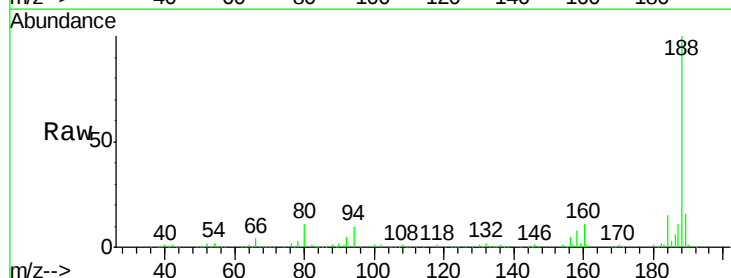
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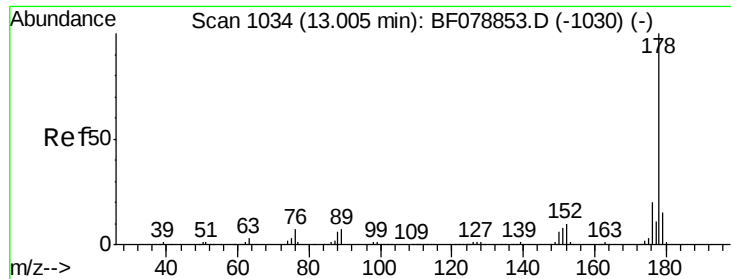
Tgt Ion:166 Resp: 25487
 Ion Ratio Lower Upper
 166 100
 165 103.6 78.5 117.7
 167 14.7 11.0 16.6



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.97 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: BF078867.D
 Acq: 1 May 2015 00:38

Tgt Ion:188 Resp: 294433
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.2 12.2
 80 10.9 8.9 13.3

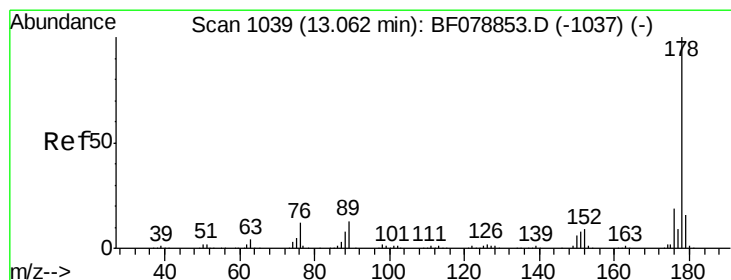
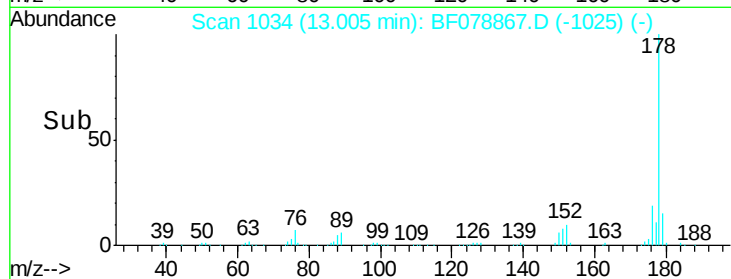
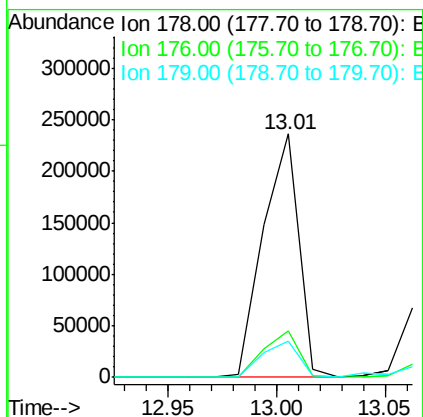
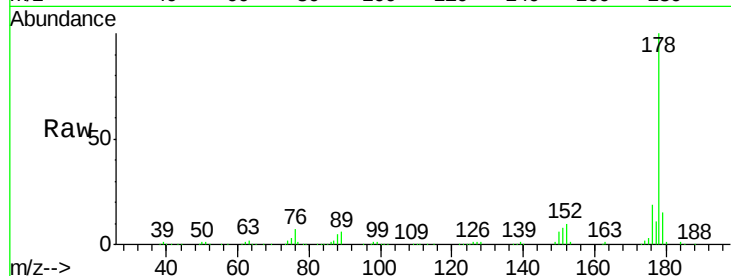




#70
Phenanthrene
Concen: 16.50 ng
RT: 13.01 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF078867.D
Acq: 1 May 2015 00:38

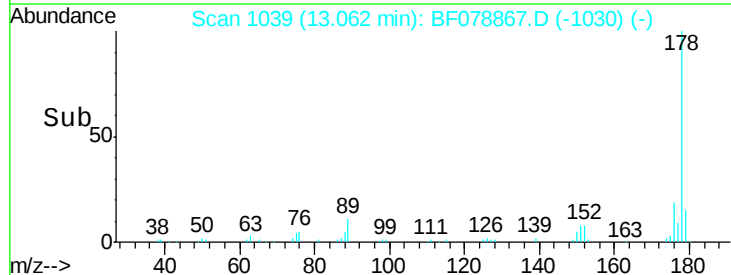
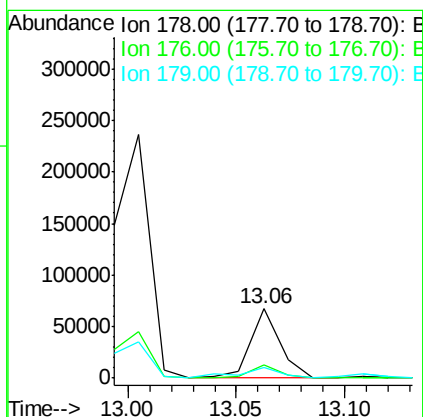
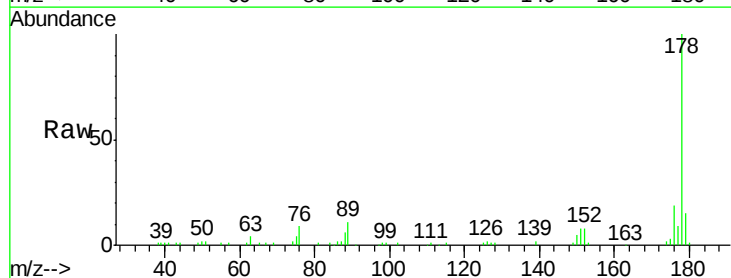
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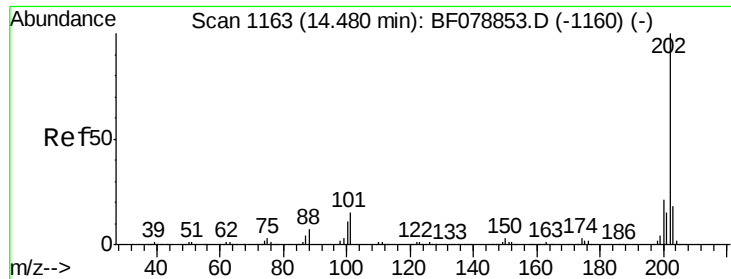
Tgt Ion:178 Resp: 271802
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.1 12.5 18.7



#71
Anthracene
Concen: 3.82 ng
RT: 13.06 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF078867.D
Acq: 1 May 2015 00:38

Tgt Ion:178 Resp: 61790
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.1 12.7 19.1

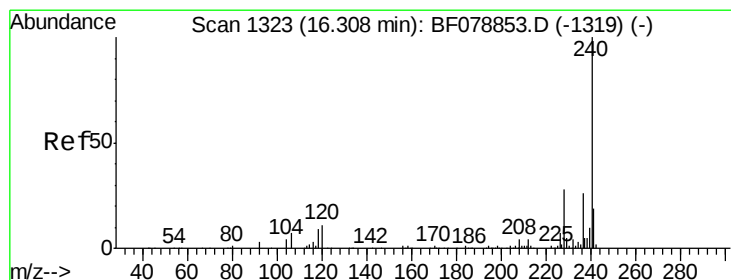
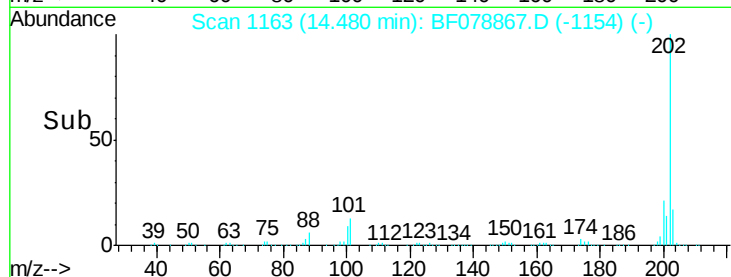
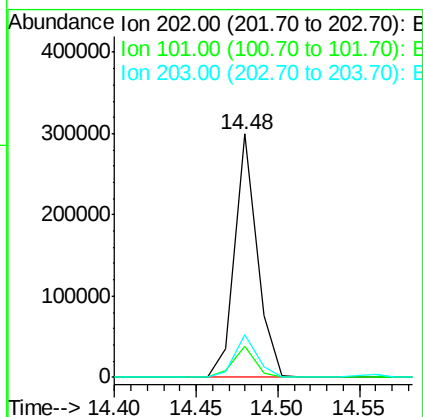
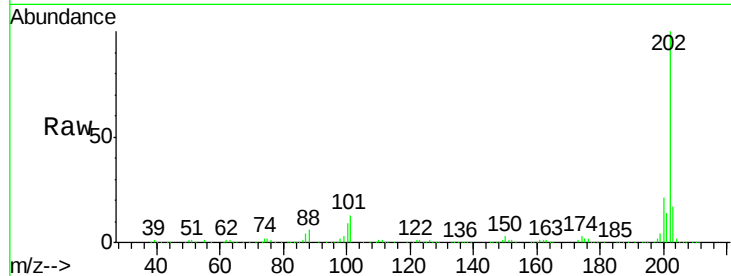




#74
 Fluoranthene
 Concen: 16.54 ng
 RT: 14.48 min Scan# 1163
 Delta R.T. -0.00 min
 Lab File: BF078867.D
 Acq: 1 May 2015 00:38

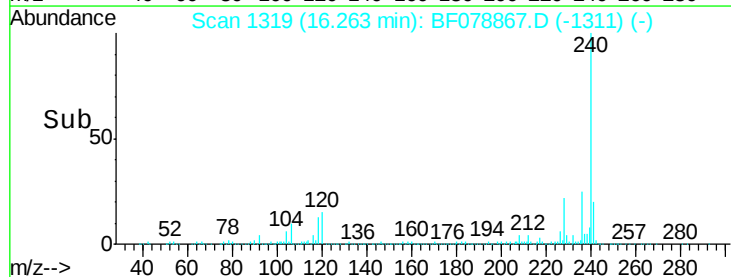
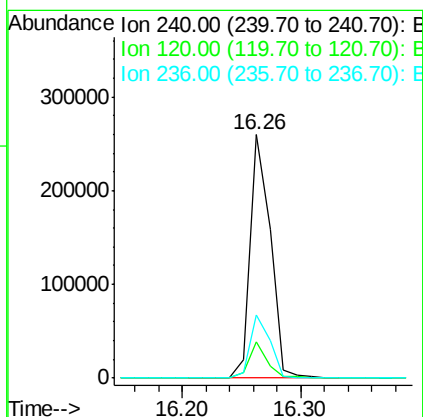
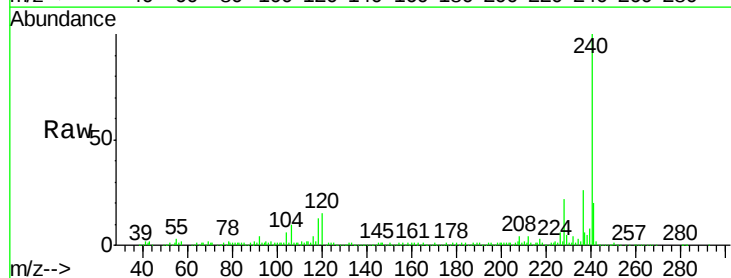
Instrument :
 BNA_F
 ClientSampleId :
 SB-61S

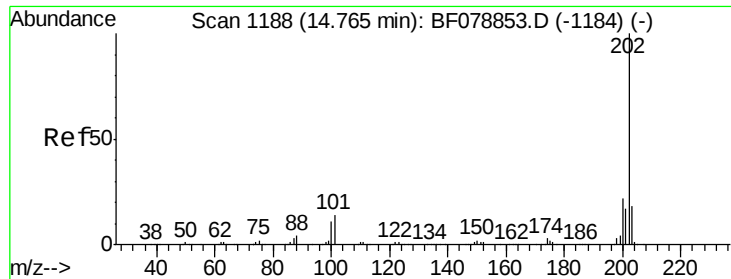
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	34.6
203	17.4	0.0	38.4



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.26 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF078867.D
 Acq: 1 May 2015 00:38

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.0	9.7	14.5#
236	25.7	20.2	30.4





#77

Pyrene

Concen: 14.45 ng

RT: 14.77 min Scan# 1188

Delta R.T. 0.00 min

Lab File: BF078867.D

Acq: 1 May 2015 00:38

Instrument :

BNA_F

ClientSampleId :

SB-61S

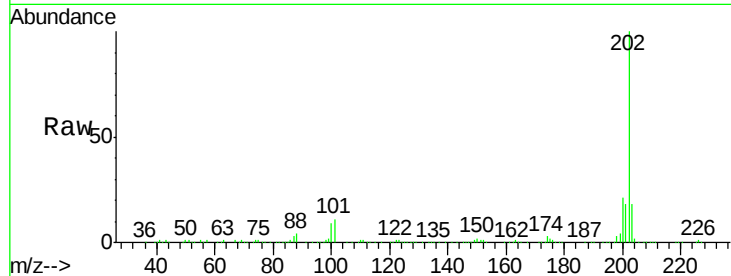
Tgt Ion:202 Resp: 258840

Ion Ratio Lower Upper

202 100

200 21.2 17.5 26.3

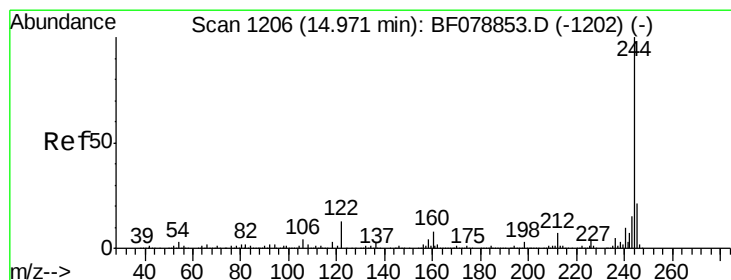
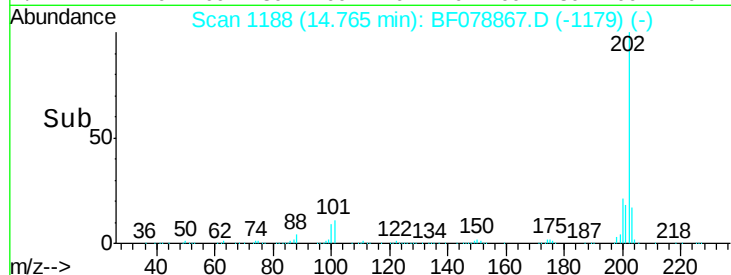
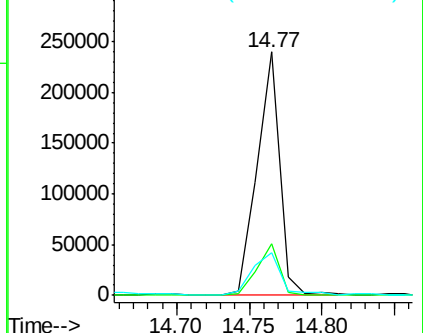
203 17.7 13.9 20.9



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: 12.97 ng

RT: 14.97 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BF078867.D

Acq: 1 May 2015 00:38

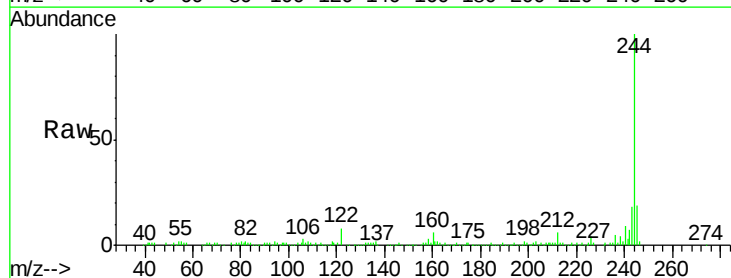
Tgt Ion:244 Resp: 168473

Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

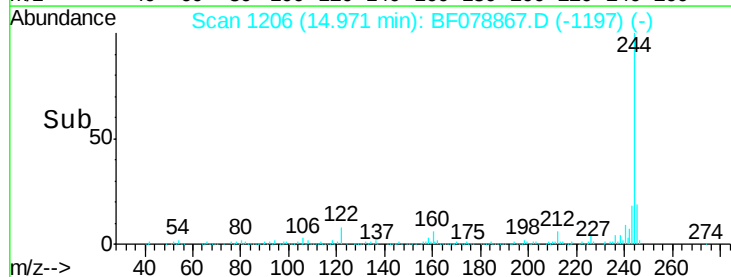
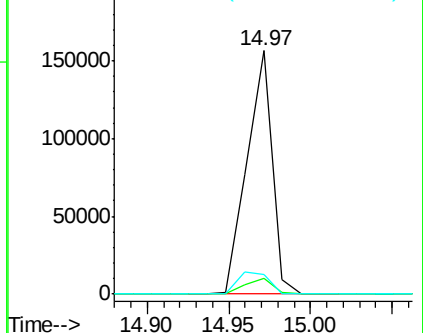
122 8.3 10.3 15.5#

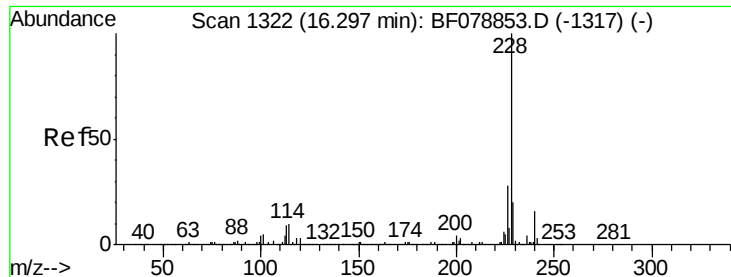


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.75 ng

RT: 16.25 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF078867.D

Acq: 1 May 2015 00:38

Instrument :

BNA_F

ClientSampleId :

SB-61S

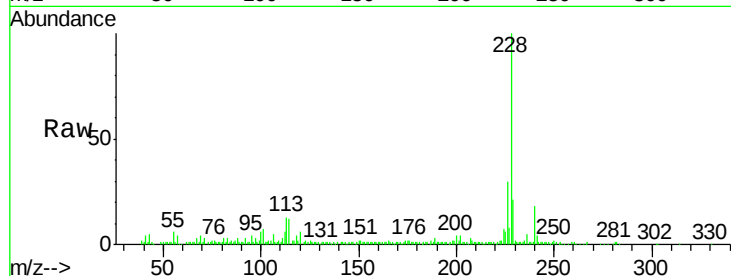
Tgt Ion:228 Resp: 131908

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

229 21.3 15.9 23.9

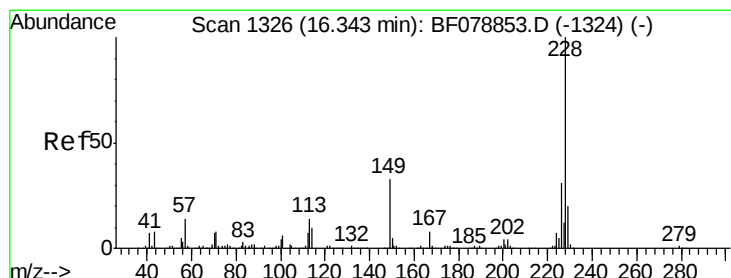
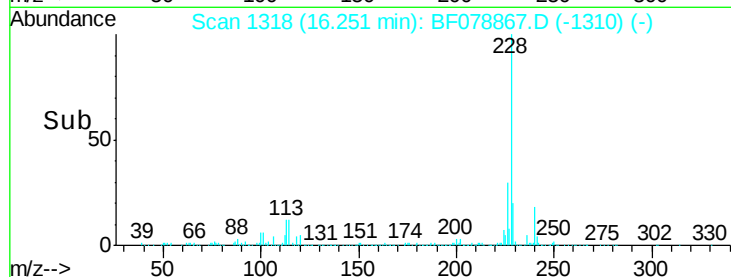
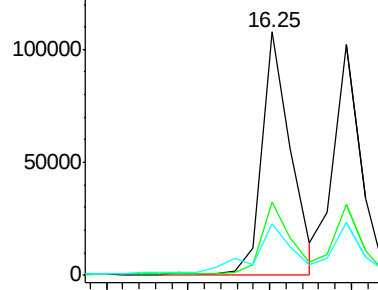


Abundance

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: 6.89 ng

RT: 16.30 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF078867.D

Acq: 1 May 2015 00:38

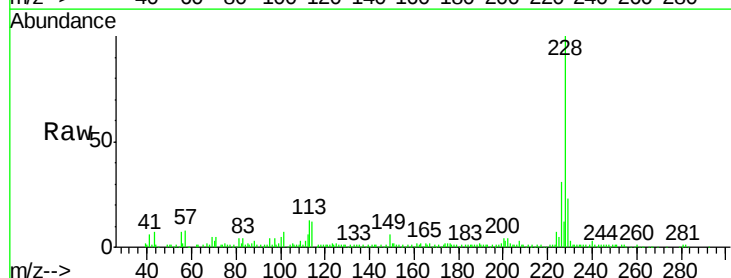
Tgt Ion:228 Resp: 112817

Ion Ratio Lower Upper

228 100

226 30.9 24.9 37.3

229 22.6 16.0 24.0

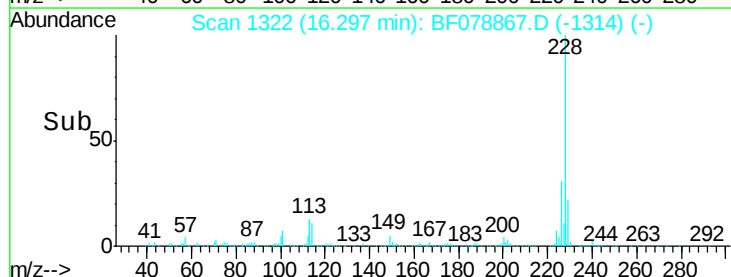
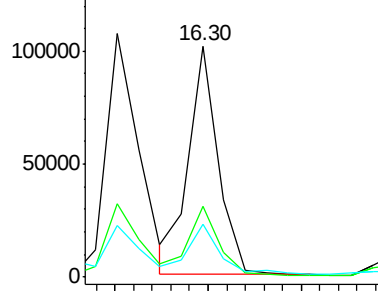


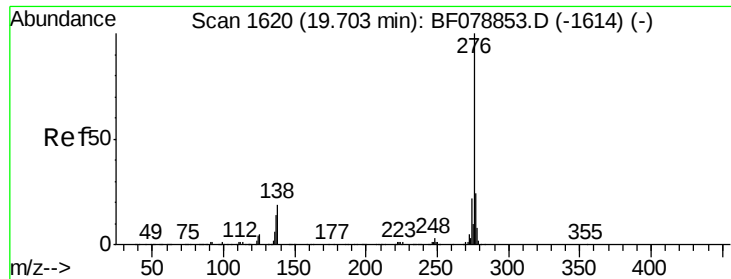
Abundance

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

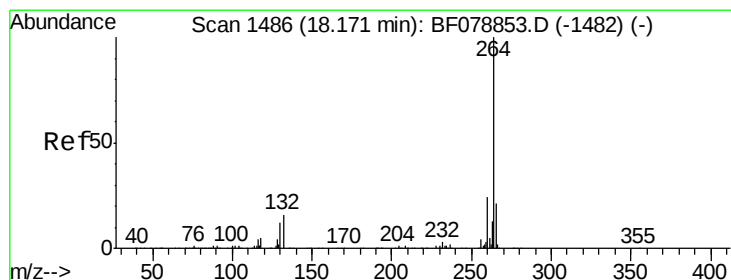
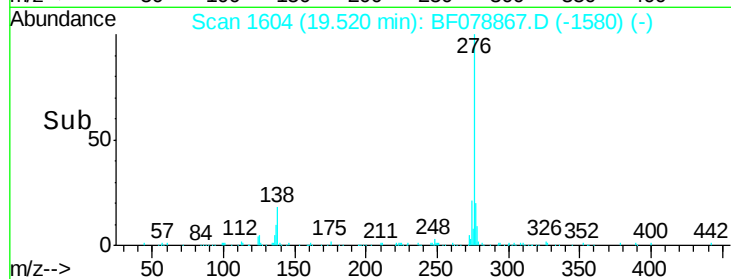
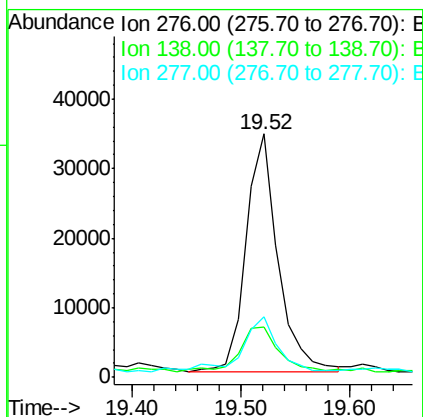
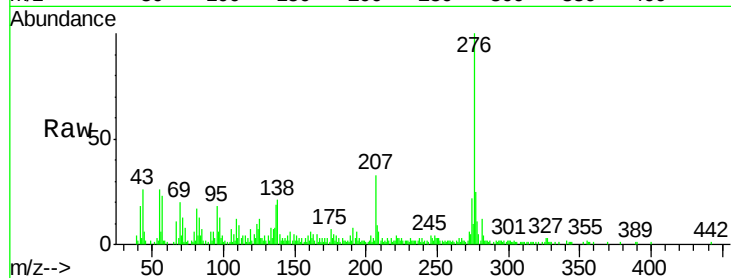




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.36 ng
 RT: 19.52 min Scan# 1604
 Delta R.T. -0.02 min
 Lab File: BF078867.D
 Acq: 1 May 2015 00:38

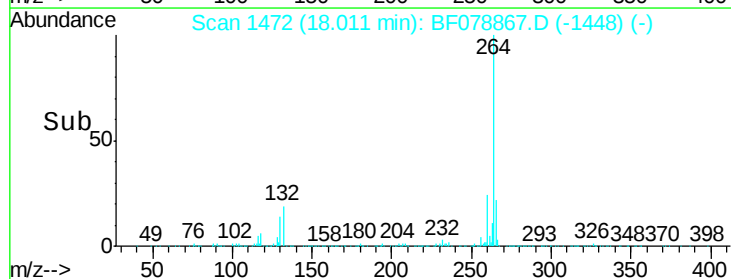
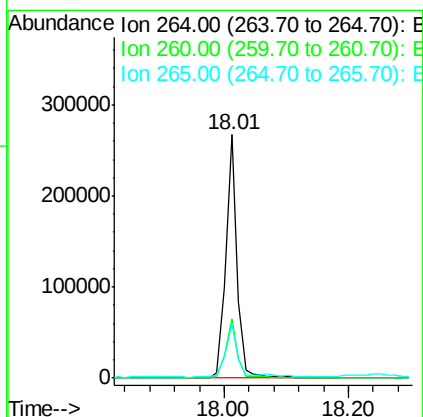
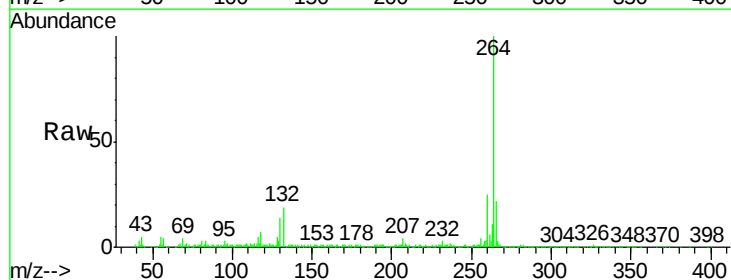
Instrument :
 BNA_F
 ClientSampleId :
 SB-61S

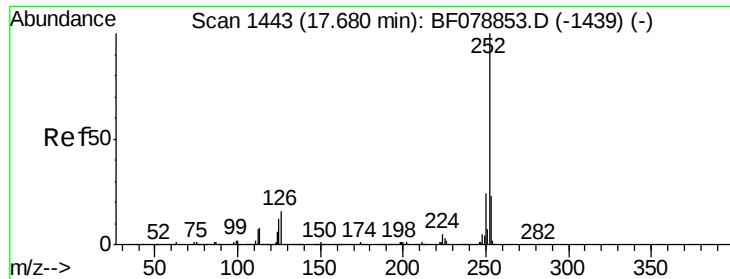
Tgt Ion: 276 Resp: 70171
 Ion Ratio Lower Upper
 276 100
 138 23.4 0.0 0.0#
 277 26.1 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.01 min Scan# 1472
 Delta R.T. -0.02 min
 Lab File: BF078867.D
 Acq: 1 May 2015 00:38

Tgt Ion: 264 Resp: 327466
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.4 29.2
 265 22.0 18.3 27.5





#87

Benzo(b)fluoranthene

Concen: 10.52 ng

RT: 17.55 min Scan# 1432

Delta R.T. -0.02 min

Lab File: BF078867.D

Acq: 1 May 2015 00:38

Instrument :

BNA_F

ClientSampleId :

SB-61S

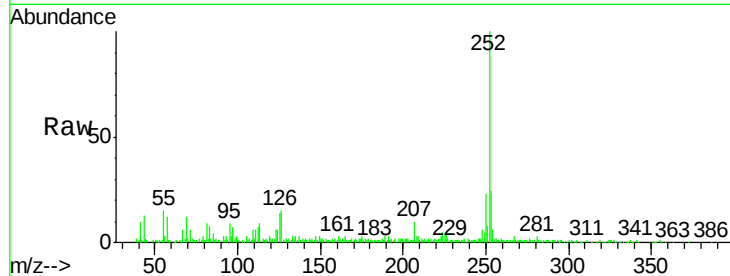
Tgt Ion:252 Resp: 188576

Ion Ratio Lower Upper

252 100

253 23.8 17.7 26.5

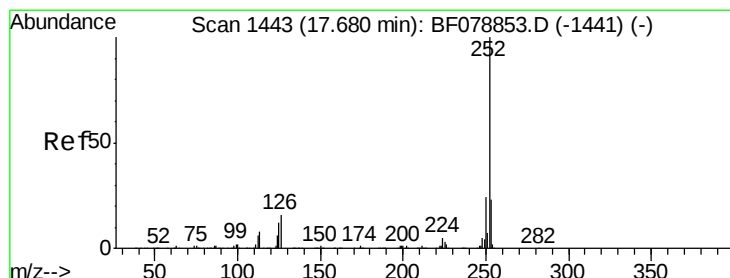
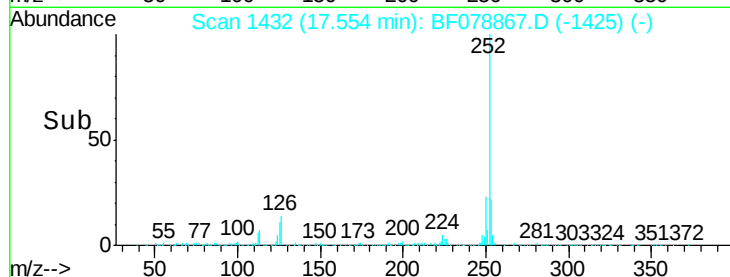
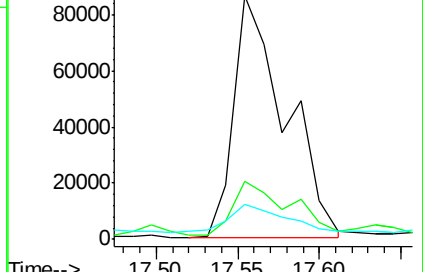
125 14.2 9.5 14.3



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: 10.98 ng

RT: 17.55 min Scan# 1432

Delta R.T. -0.06 min

Lab File: BF078867.D

Acq: 1 May 2015 00:38

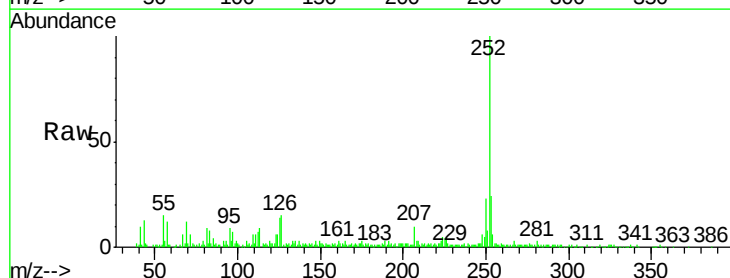
Tgt Ion:252 Resp: 190490

Ion Ratio Lower Upper

252 100

253 23.8 18.1 27.1

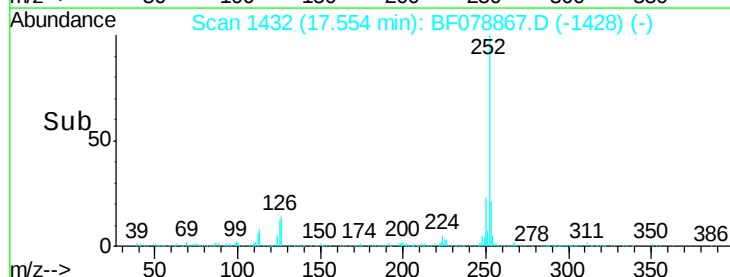
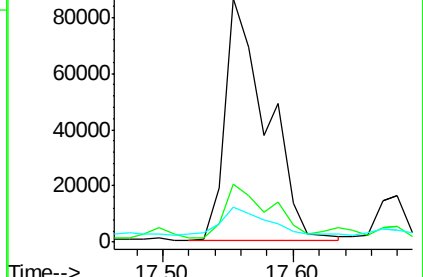
125 14.2 10.0 15.0

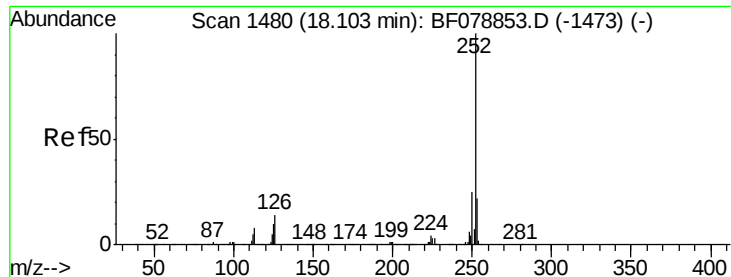


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 6.68 ng

RT: 17.94 min Scan# 1466

Delta R.T. -0.02 min

Lab File: BF078867.D

Acq: 1 May 2015 00:38

Instrument :

BNA_F

ClientSampleId :

SB-61S

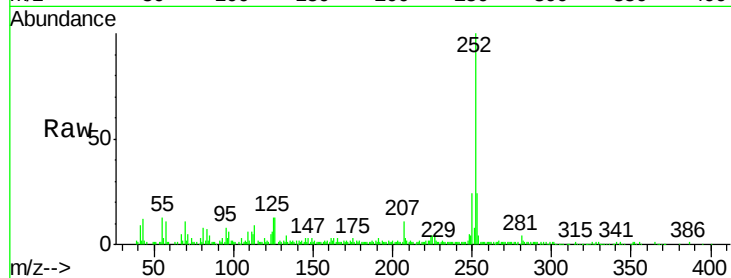
Tgt Ion:252 Resp: 110309

Ion Ratio Lower Upper

252 100

253 23.9 17.3 25.9

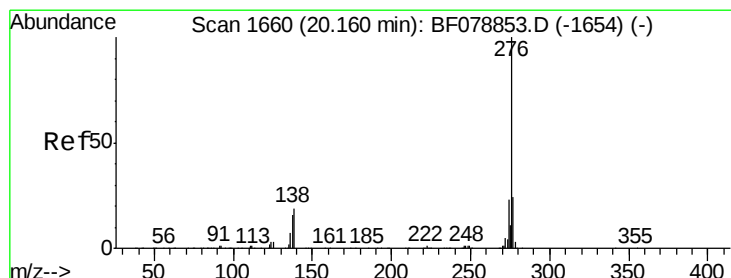
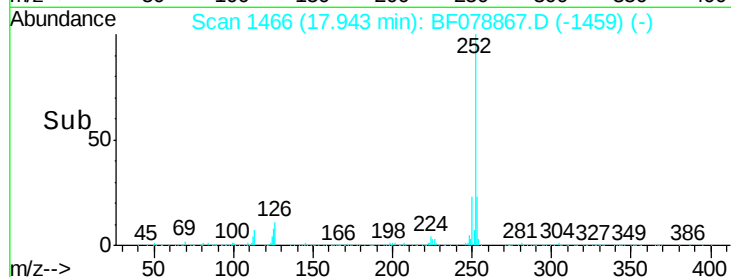
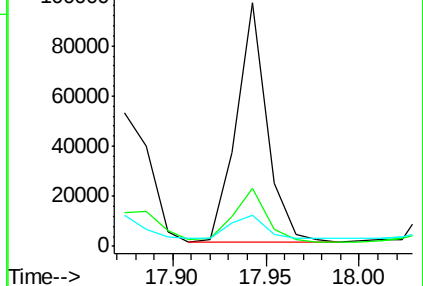
125 12.5 7.0 10.6#



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(g,h,i)perylene

Concen: 3.80 ng

RT: 19.97 min Scan# 1643

Delta R.T. -0.03 min

Lab File: BF078867.D

Acq: 1 May 2015 00:38

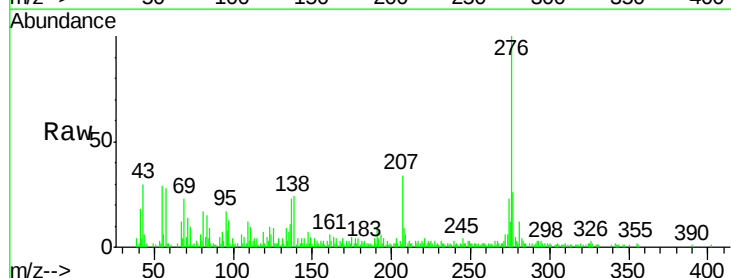
Tgt Ion:276 Resp: 66834

Ion Ratio Lower Upper

276 100

277 25.6 18.6 28.0

138 24.0 17.4 26.0



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

