

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF043015\
 Data File : BF078872.D
 Acq On : 1 May 2015 3:01
 Operator : TP/IZ
 Sample : G2044-13 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-58S

Quant Time: May 01 03:40:59 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

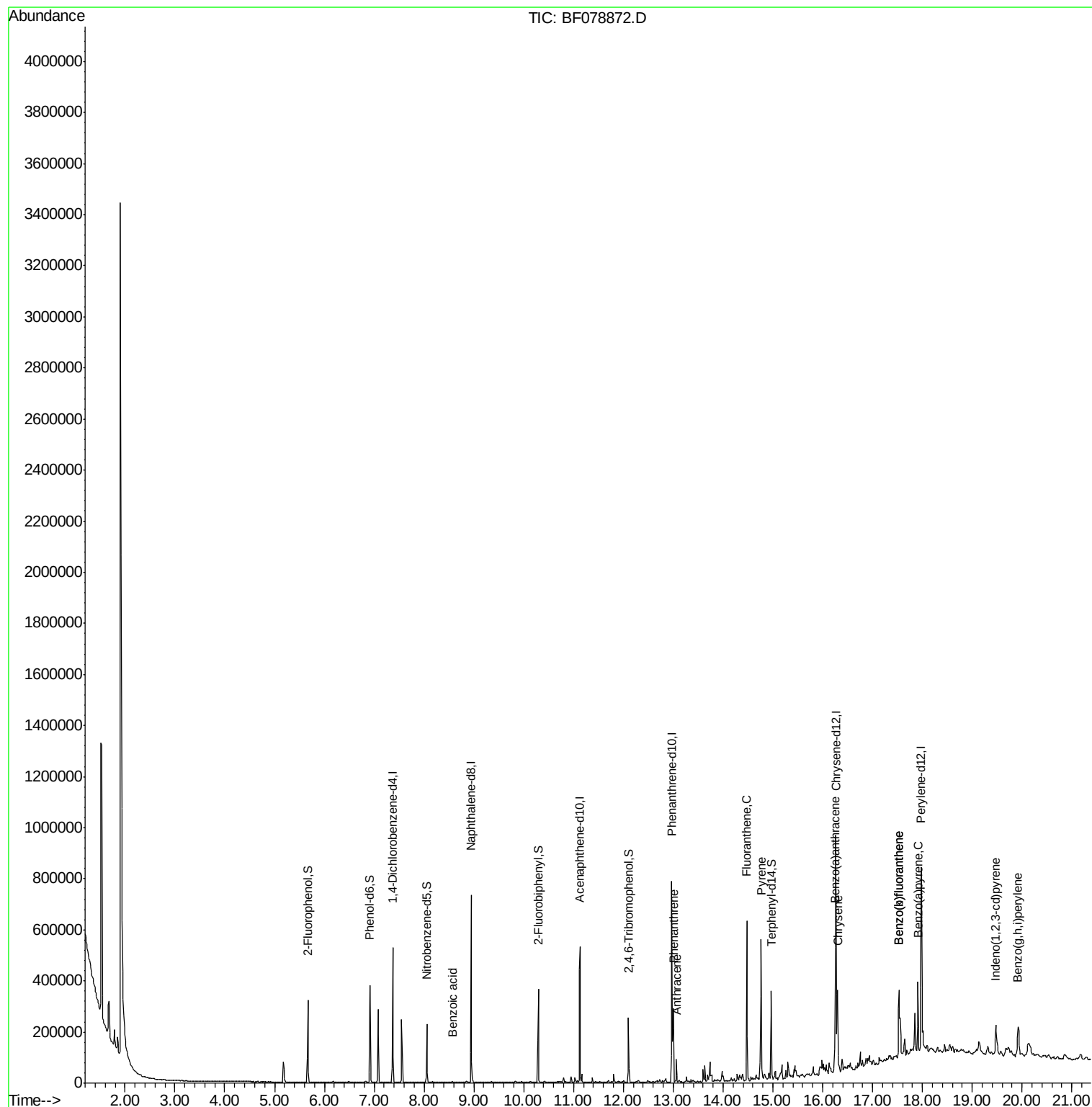
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	76659	20.00	ng	0.00
21) Naphthalene-d8	8.95	136	314063	20.00	ng	0.00
38) Acenaphthene-d10	11.13	164	147840	20.00	ng	0.00
63) Phenanthrene-d10	12.97	188	282471	20.00	ng	0.00
75) Chrysene-d12	16.26	240	303448	20.00	ng	-0.01
86) Perylene-d12	17.98	264	318766	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	90286	20.27	ng	0.00
7) Phenol-d6	6.91	99	122280	20.77	ng	0.00
23) Nitrobenzene-d5	8.06	82	64336	11.77	ng	0.00
41) 2,4,6-Tribromophenol	12.10	330	28563	17.86	ng	0.00
44) 2-Fluorobiphenyl	10.30	172	127165	11.98	ng	0.00
78) Terphenyl-d14	14.97	244	138001	10.89	ng	0.00
Target Compounds						
32) Benzoic acid	8.57	122	795	6.56	ng	Qvalue # 87
70) Phenanthrene	13.01	178	147418	9.33	ng	99
71) Anthracene	13.06	178	36949	2.38	ng	100
74) Fluoranthene	14.48	202	263947	16.03	ng	98
77) Pyrene	14.77	202	258826	14.80	ng	99
80) Benzo(a)anthracene	16.25	228	143935	8.66	ng	97
82) Chrysene	16.30	228	111251	6.96	ng	98
85) Indeno(1,2,3-cd)pyrene	19.47	276	93350	4.58	ng	# 100
87) Benzo(b)fluoranthene	17.53	252	227055	13.01	ng	97
88) Benzo(k)fluoranthene	17.53	252	230532	13.65	ng	97
89) Benzo(a)pyrene	17.91	252	130556	8.13	ng	# 97
91) Benzo(g,h,i)perylene	19.92	276	88316	5.16	ng	96

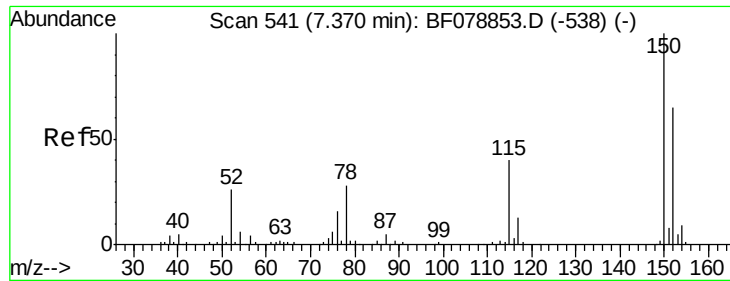
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF078872.D

Acq: 1 May 2015 3:01

Instrument :

BNA_F

ClientSampleId :

SB-58S

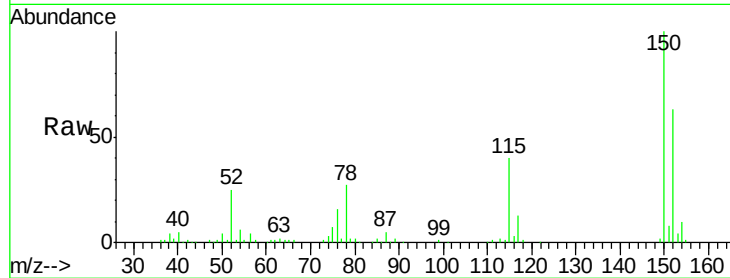
Tgt Ion:152 Resp: 76659

Ion Ratio Lower Upper

152 100

150 158.5 122.0 183.0

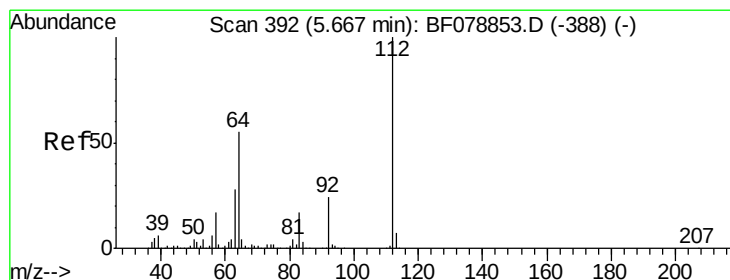
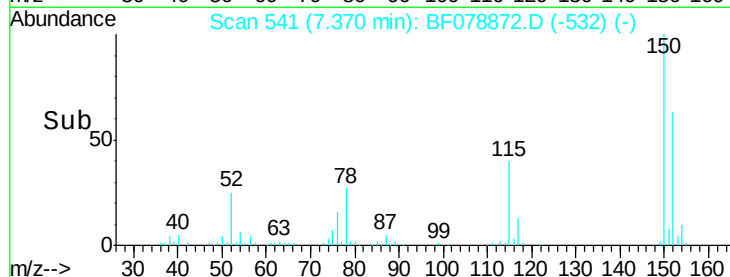
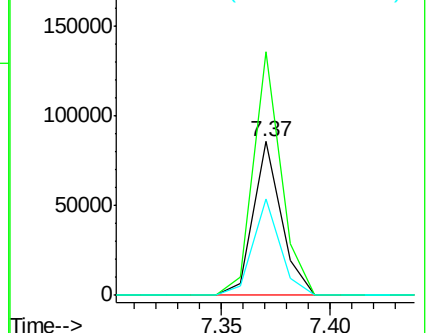
115 63.0 46.3 69.5



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: 20.27 ng

RT: 5.67 min Scan# 392

Delta R.T. -0.00 min

Lab File: BF078872.D

Acq: 1 May 2015 3:01

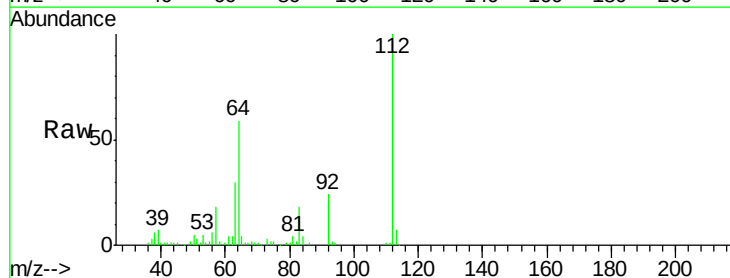
Tgt Ion:112 Resp: 90286

Ion Ratio Lower Upper

112 100

64 58.7 53.5 80.3

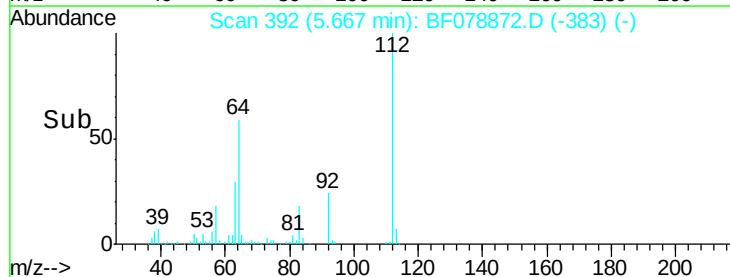
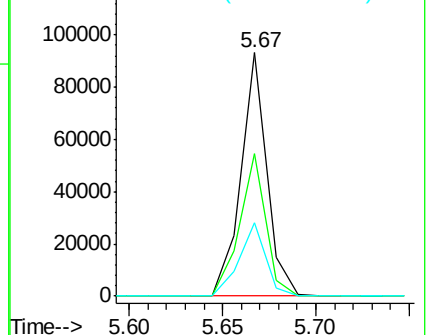
63 30.1 27.5 41.3

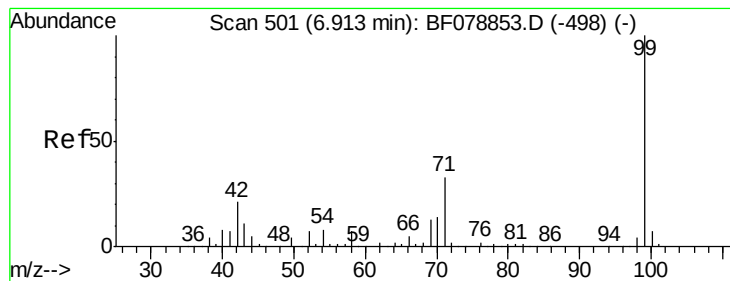


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 20.77 ng

RT: 6.91 min Scan# 501

Delta R.T. -0.00 min

Lab File: BF078872.D

Acq: 1 May 2015 3:01

Instrument :

BNA_F

ClientSampleId :

SB-58S

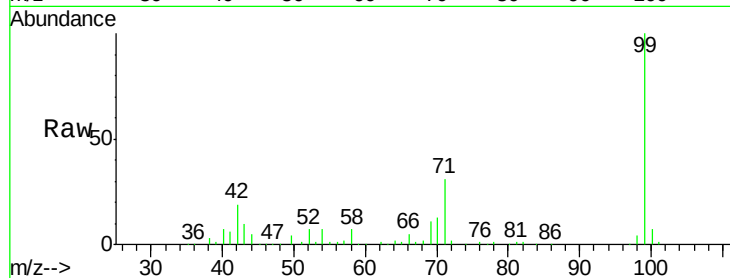
Tgt Ion: 99 Resp: 122280

Ion Ratio Lower Upper

99 100

42 19.4 12.8 19.2#

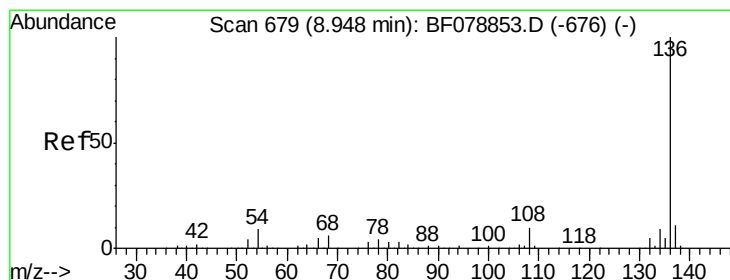
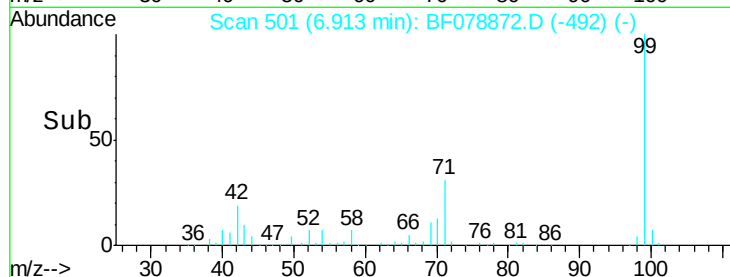
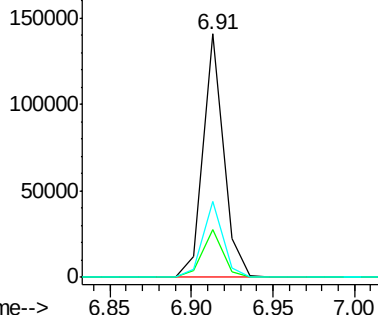
71 31.1 23.4 35.2



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: BF078872.D

Acq: 1 May 2015 3:01

Tgt Ion: 136 Resp: 314063

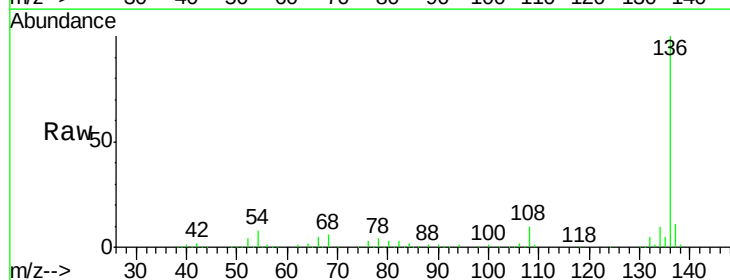
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 7.8 5.8 8.8

68 5.8 4.2 6.4

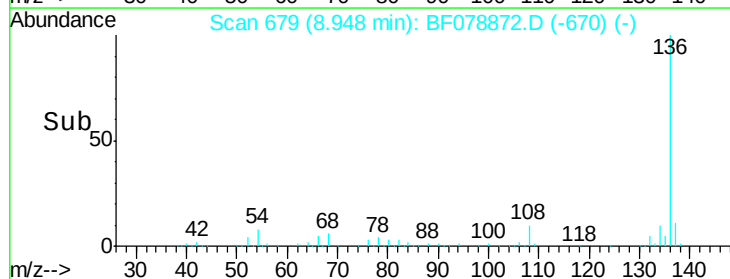
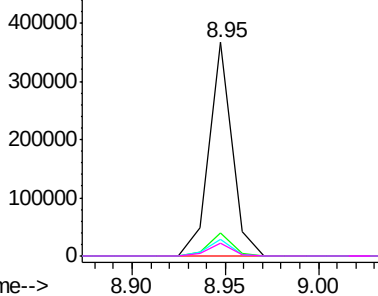


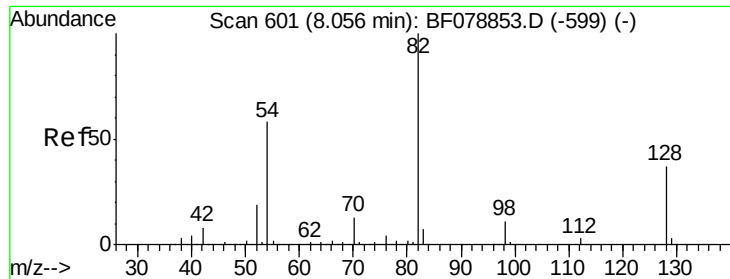
Abundance Ion 136.00 (135.70 to 136.70): E

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

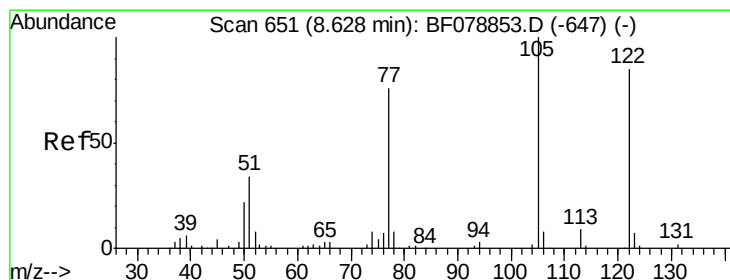
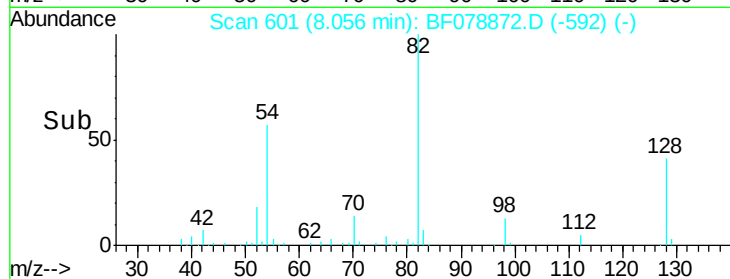
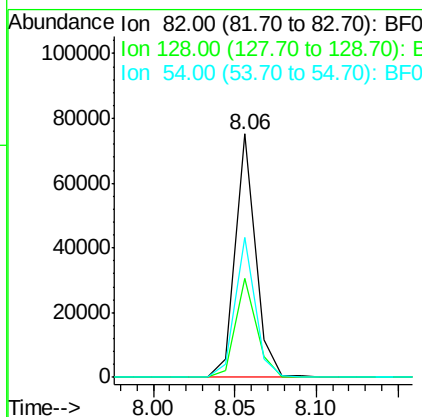
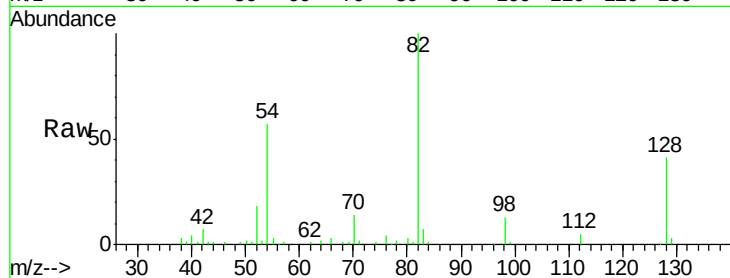




#23
 Nitrobenzene-d5
 Concen: 11.77 ng
 RT: 8.06 min Scan# 601
 Delta R.T. -0.00 min
 Lab File: BF078872.D
 Acq: 1 May 2015 3:01

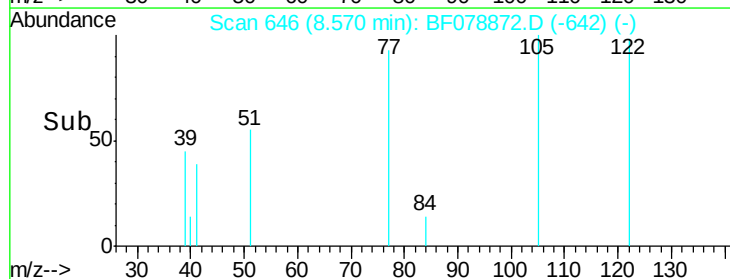
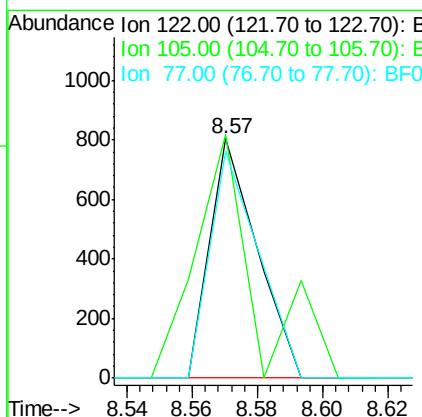
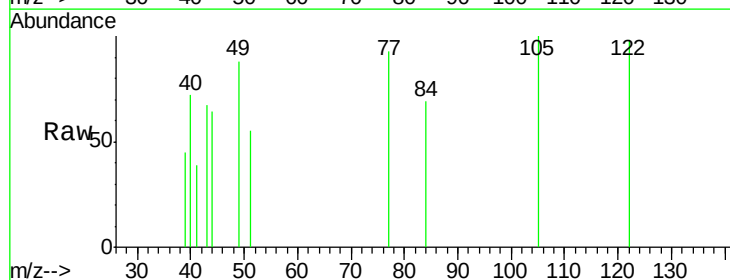
Instrument :
 BNA_F
 ClientSampleId :
 SB-58S

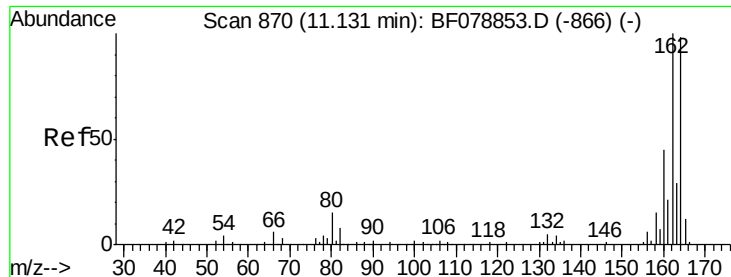
Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.5	30.0	45.0
54	57.3	46.4	69.6



#32
 Benzoic acid
 Concen: 6.56 ng
 RT: 8.57 min Scan# 646
 Delta R.T. -0.06 min
 Lab File: BF078872.D
 Acq: 1 May 2015 3:01

Tgt Ion	Ratio	Lower	Upper
122	100		
105	101.7	107.1	147.1#
77	95.0	73.9	113.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 870

Delta R.T. -0.00 min

Lab File: BF078872.D

Acq: 1 May 2015 3:01

Instrument :

BNA_F

ClientSampleId :

SB-58S

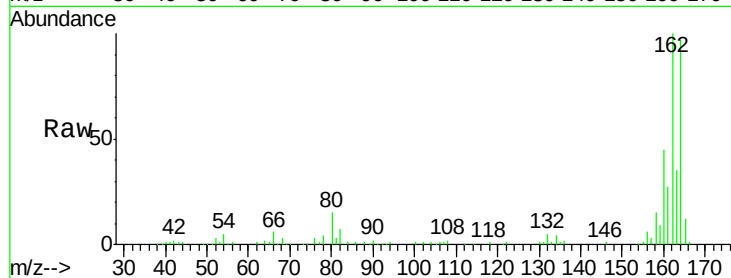
Tgt Ion:164 Resp: 147840

Ion Ratio Lower Upper

164 100

162 102.8 82.7 124.1

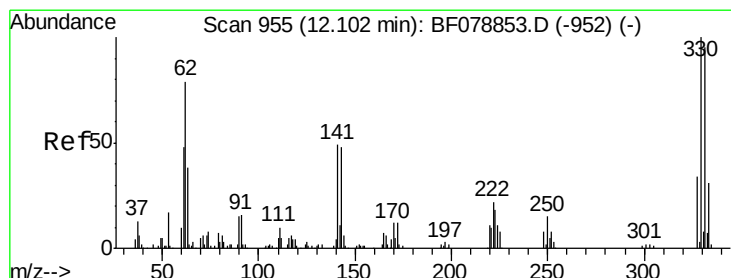
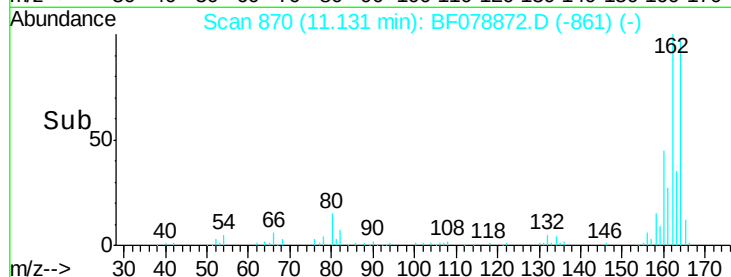
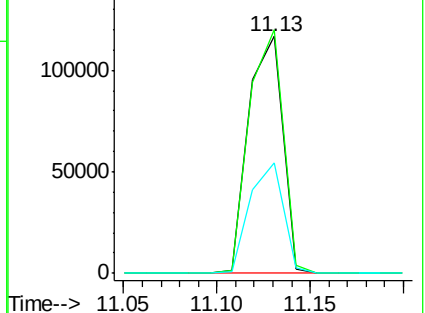
160 46.5 35.8 53.8



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: 17.86 ng

RT: 12.10 min Scan# 955

Delta R.T. -0.00 min

Lab File: BF078872.D

Acq: 1 May 2015 3:01

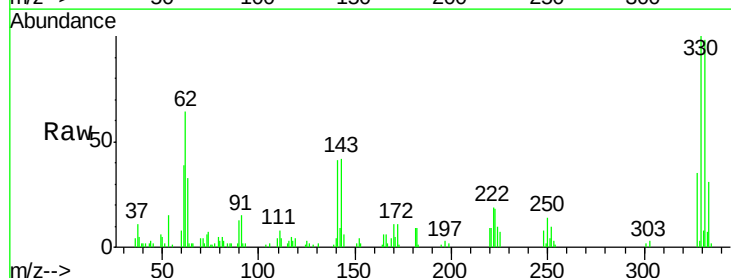
Tgt Ion:330 Resp: 28563

Ion Ratio Lower Upper

330 100

332 98.2 0.0 0.0#

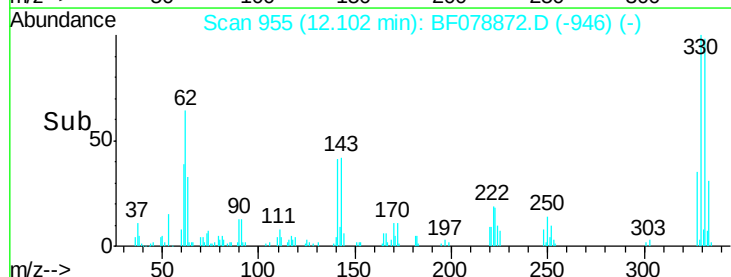
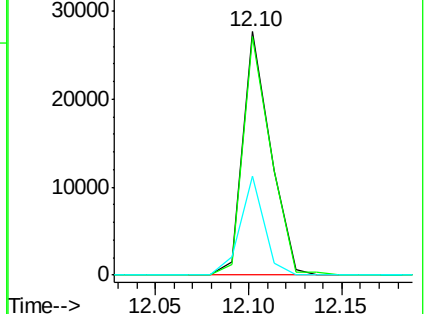
141 35.5 0.0 0.0#

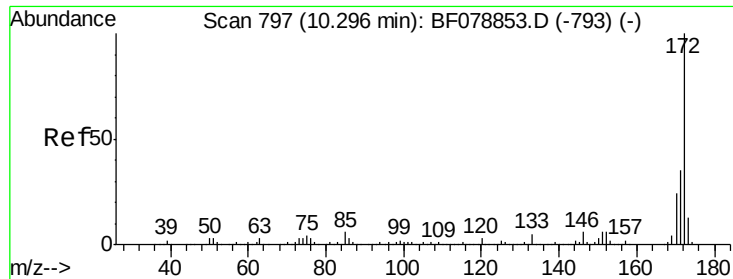


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

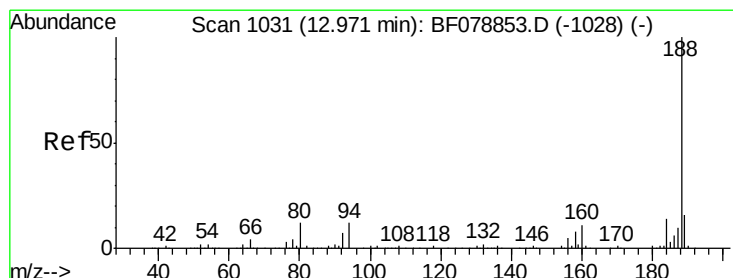
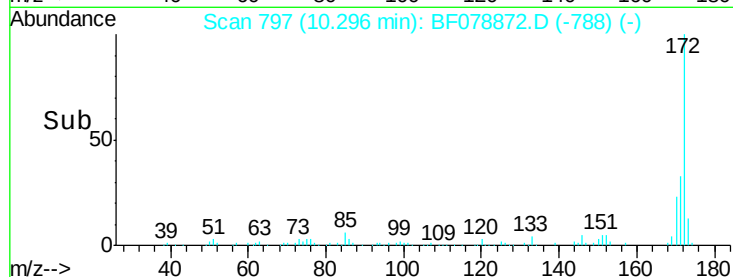
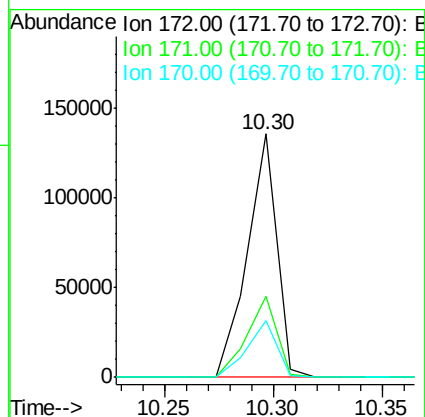
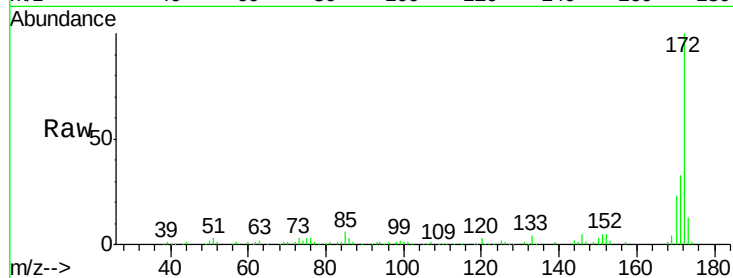




#44
 2-Fluorobiphenyl
 Concen: 11.98 ng
 RT: 10.30 min Scan# 797
 Delta R.T. -0.00 min
 Lab File: BF078872.D
 Acq: 1 May 2015 3:01

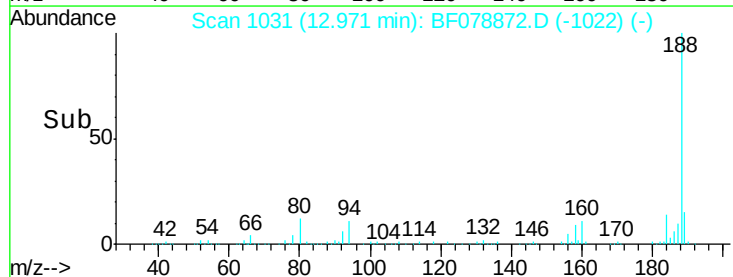
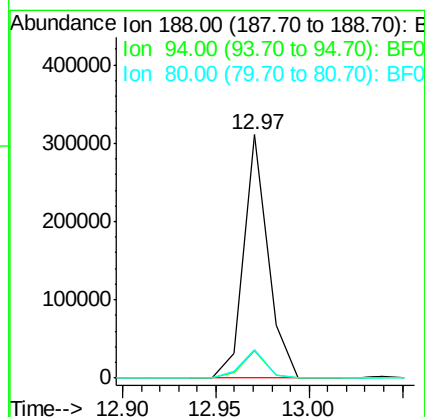
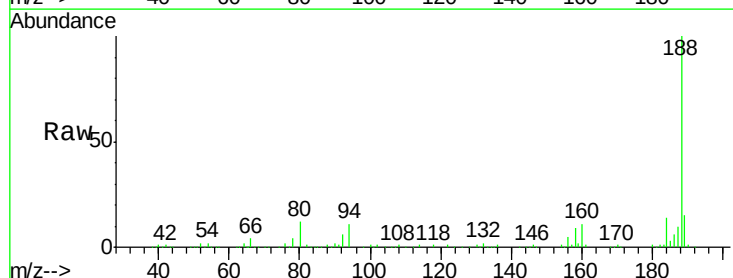
Instrument :
 BNA_F
 ClientSampleId :
 SB-58S

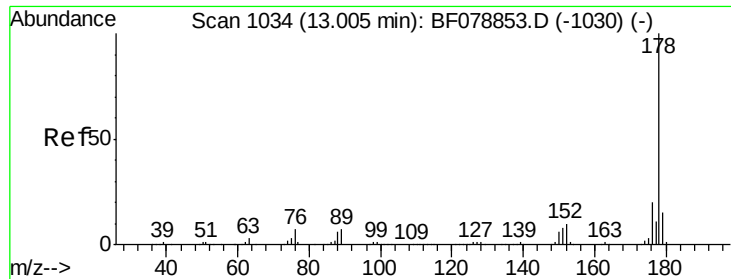
Tgt Ion:172 Resp: 127165
 Ion Ratio Lower Upper
 172 100
 171 33.1 27.9 41.9
 170 23.5 19.4 29.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.97 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: BF078872.D
 Acq: 1 May 2015 3:01

Tgt Ion:188 Resp: 282471
 Ion Ratio Lower Upper
 188 100
 94 11.2 8.2 12.2
 80 11.7 8.9 13.3

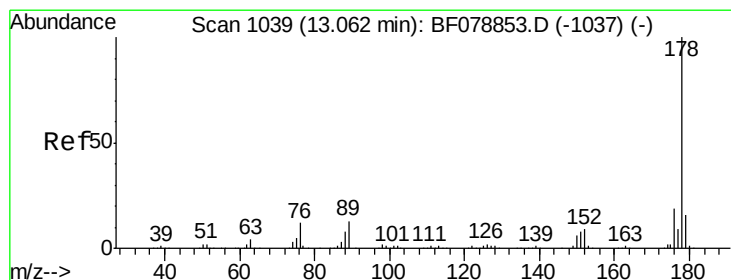
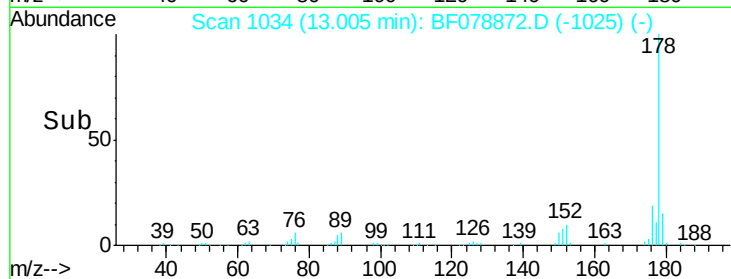
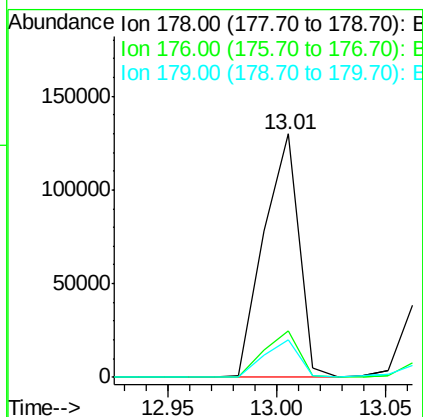
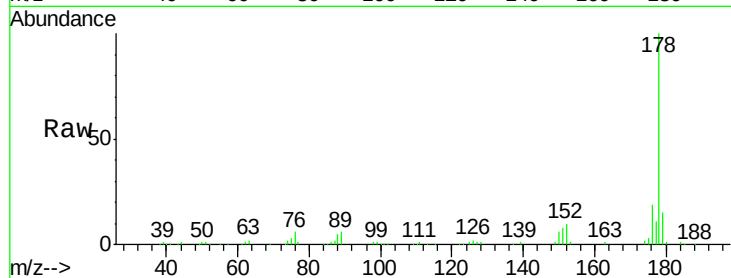




#70
 Phenanthrene
 Concen: 9.33 ng
 RT: 13.01 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BF078872.D
 Acq: 1 May 2015 3:01

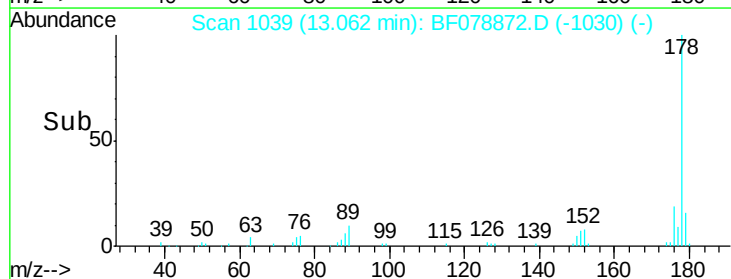
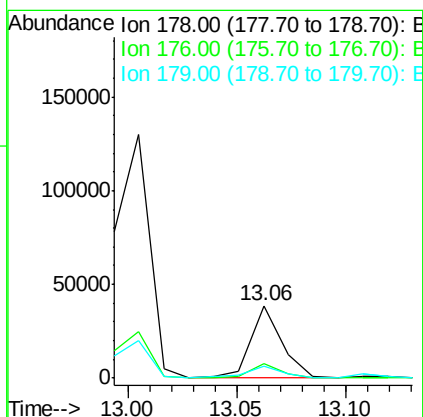
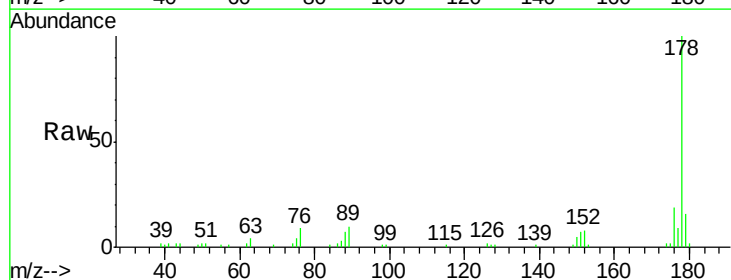
Instrument :
 BNA_F
 ClientSampleId :
 SB-58S

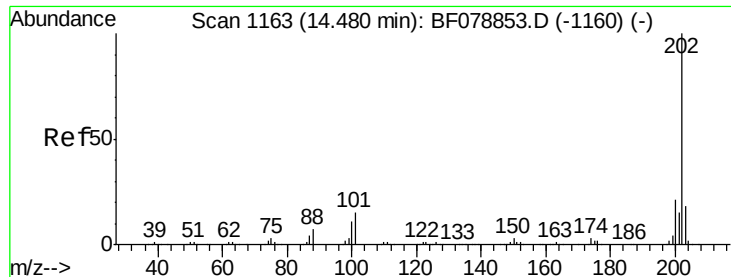
Tgt Ion:178 Resp: 147418
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.3 12.5 18.7



#71
 Anthracene
 Concen: 2.38 ng
 RT: 13.06 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: BF078872.D
 Acq: 1 May 2015 3:01

Tgt Ion:178 Resp: 36949
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.5 23.3
 179 15.7 12.7 19.1

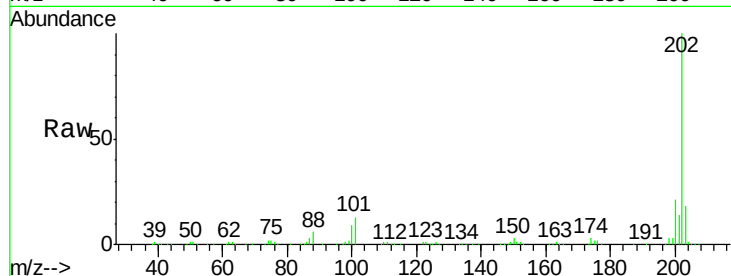




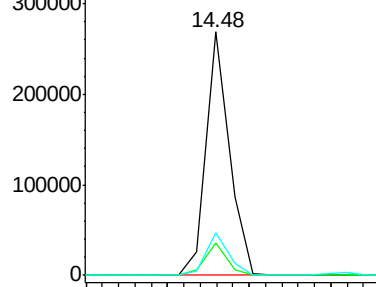
#74
Fluoranthene
Concen: 16.03 ng
RT: 14.48 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BF078872.D
Acq: 1 May 2015 3:01

Instrument :
BNA_F
ClientSampleId :
SB-58S

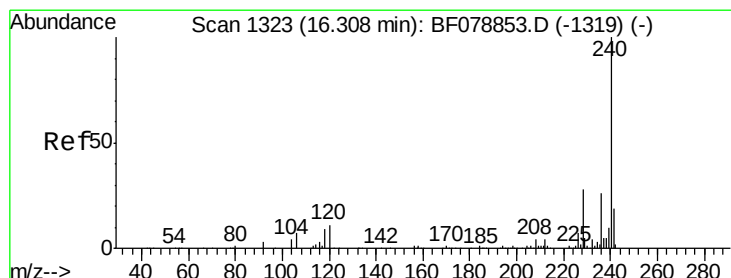
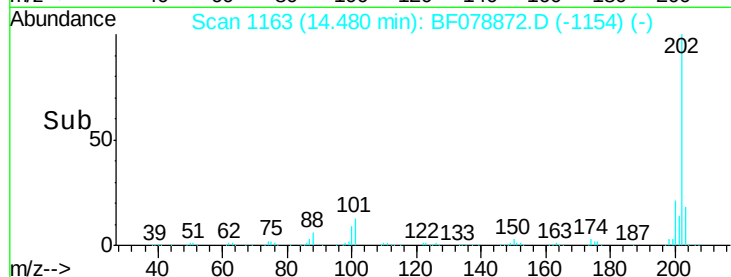
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	34.6
203	17.5	0.0	38.4



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

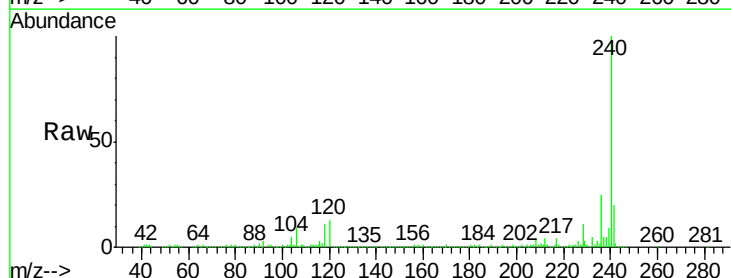


Time--> 14.40 14.45 14.50 14.55

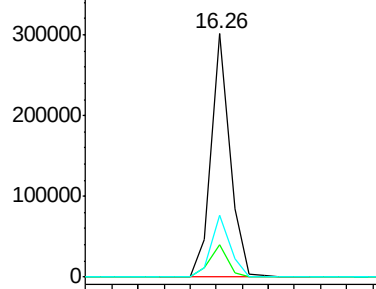


#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.26 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF078872.D
Acq: 1 May 2015 3:01

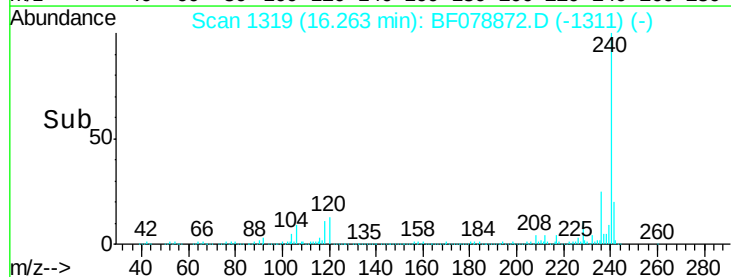
Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.2	9.7	14.5
236	25.4	20.2	30.4

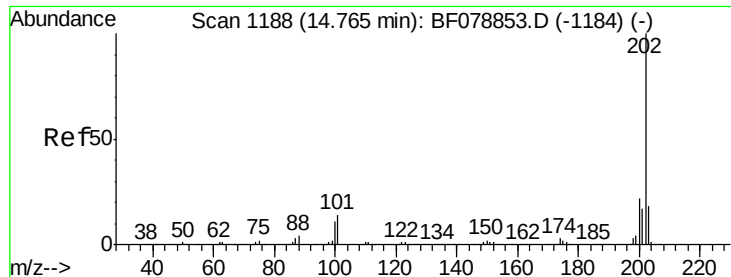


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time--> 16.20 16.30





#77

Pyrene

Concen: 14.80 ng

RT: 14.77 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BF078872.D

Acq: 1 May 2015 3:01

Instrument :

BNA_F

ClientSampleId :

SB-58S

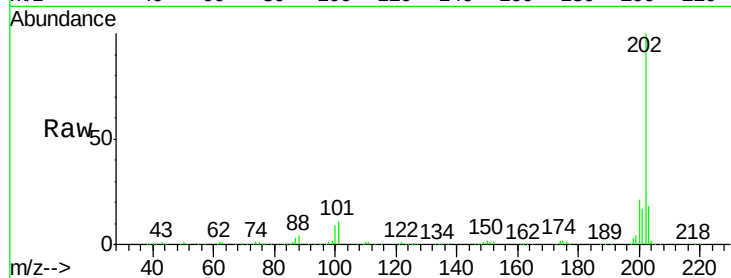
Tgt Ion:202 Resp: 258826

Ion Ratio Lower Upper

202 100

200 21.0 17.5 26.3

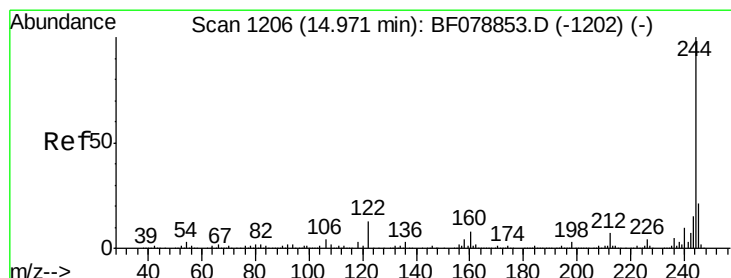
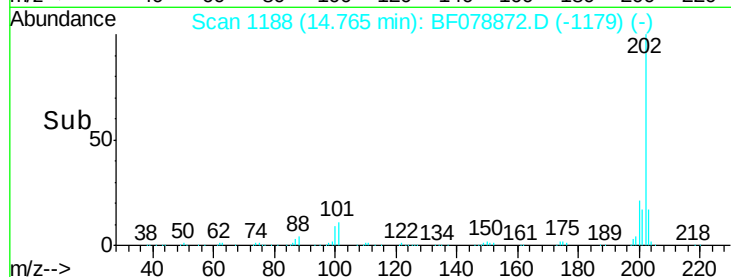
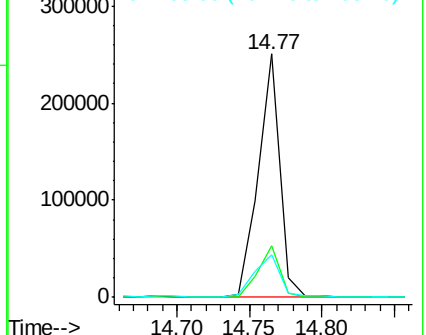
203 17.8 13.9 20.9



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: 10.89 ng

RT: 14.97 min Scan# 1206

Delta R.T. -0.00 min

Lab File: BF078872.D

Acq: 1 May 2015 3:01

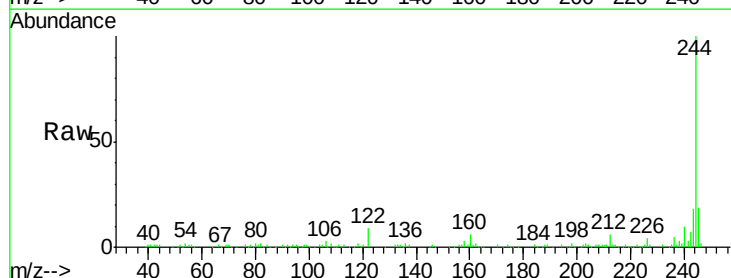
Tgt Ion:244 Resp: 138001

Ion Ratio Lower Upper

244 100

212 6.2 5.6 8.4

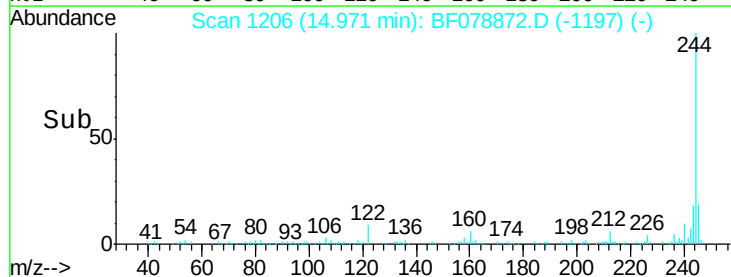
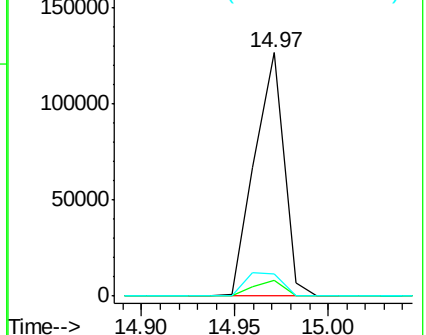
122 8.9 10.3 15.5#

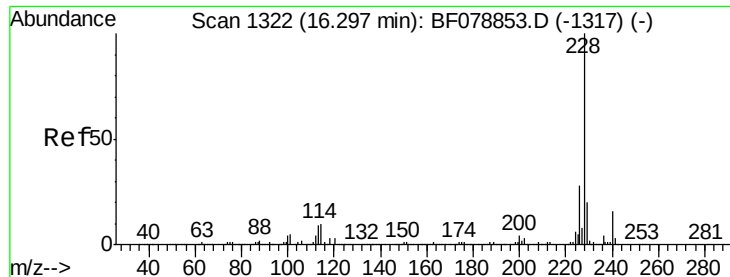


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.66 ng

RT: 16.25 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF078872.D

Acq: 1 May 2015 3:01

Instrument :

BNA_F

ClientSampleId :

SB-58S

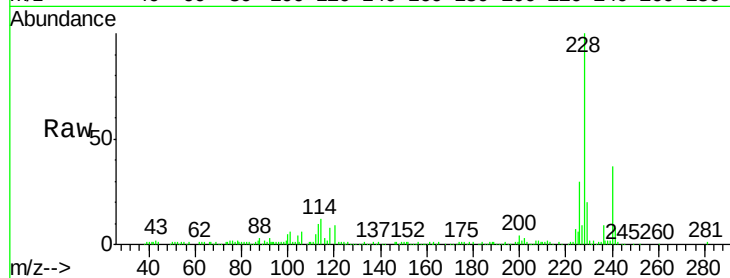
Tgt Ion:228 Resp: 143935

Ion Ratio Lower Upper

228 100

226 30.5 22.6 33.8

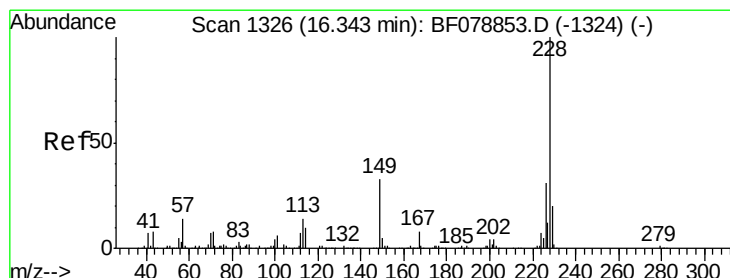
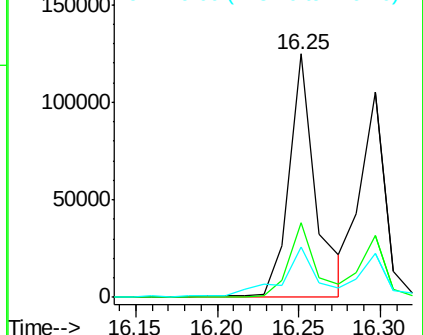
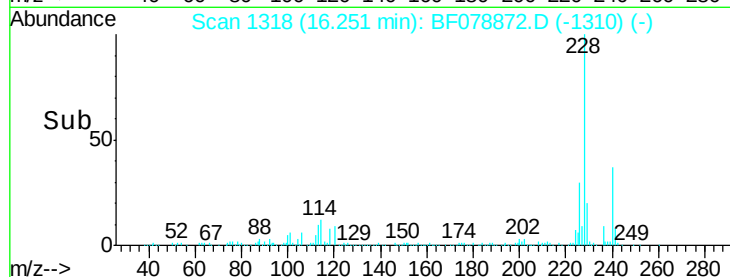
229 20.5 15.9 23.9



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: 6.96 ng

RT: 16.30 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF078872.D

Acq: 1 May 2015 3:01

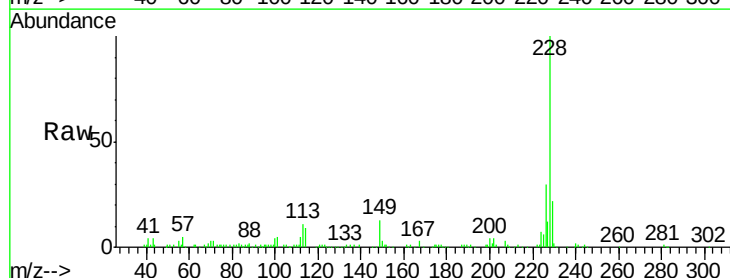
Tgt Ion:228 Resp: 111251

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

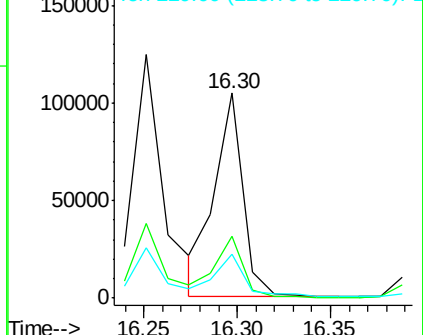
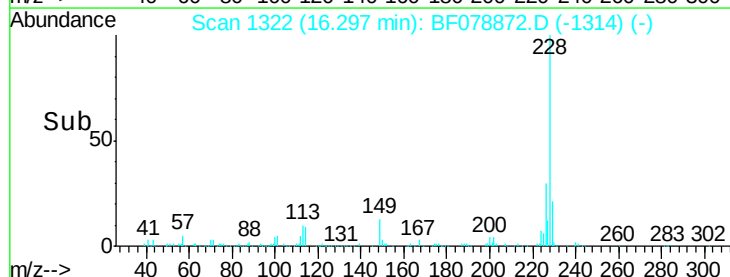
229 21.7 16.0 24.0

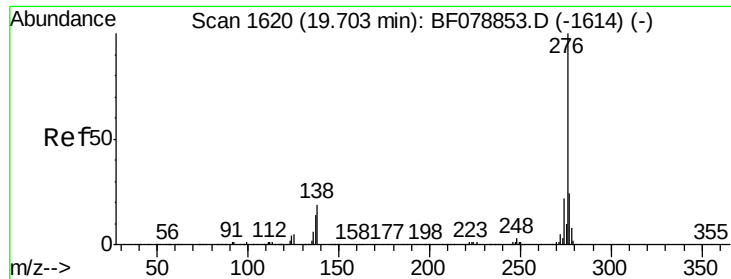


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

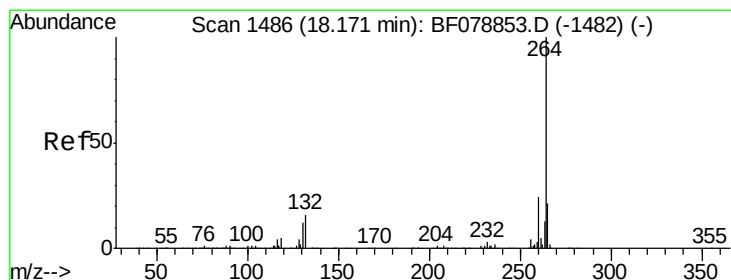
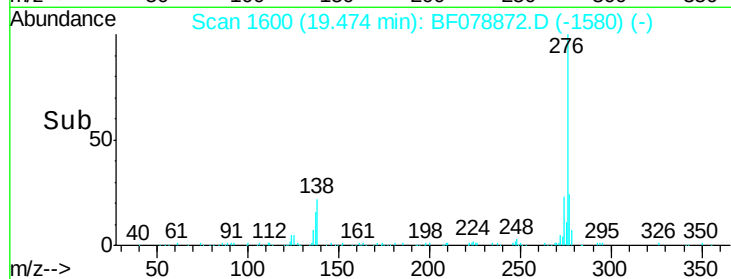
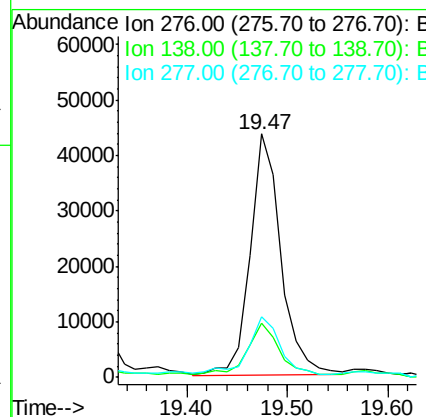
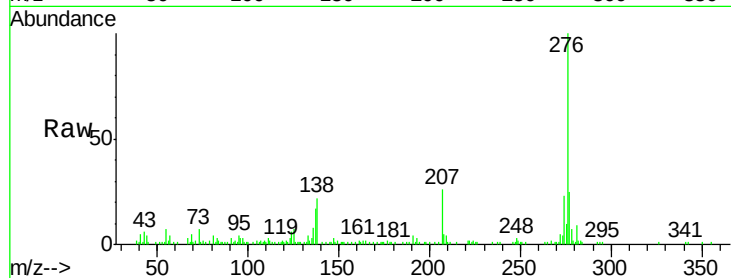




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.58 ng
 RT: 19.47 min Scan# 1600
 Delta R.T. -0.07 min
 Lab File: BF078872.D
 Acq: 1 May 2015 3:01

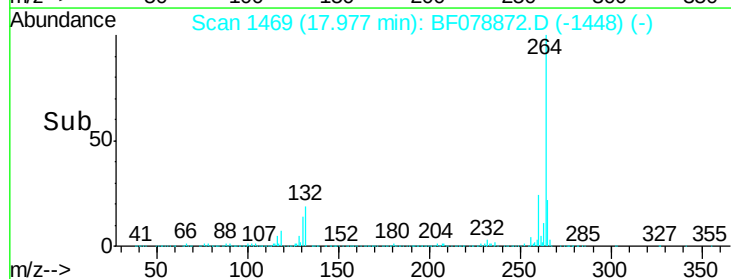
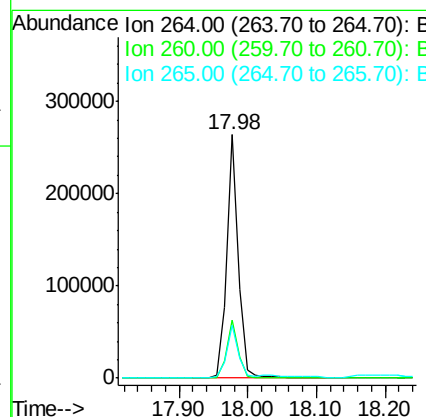
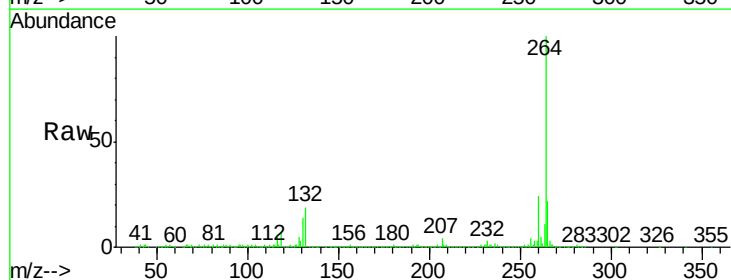
Instrument :
 BNA_F
 ClientSampleId :
 SB-58S

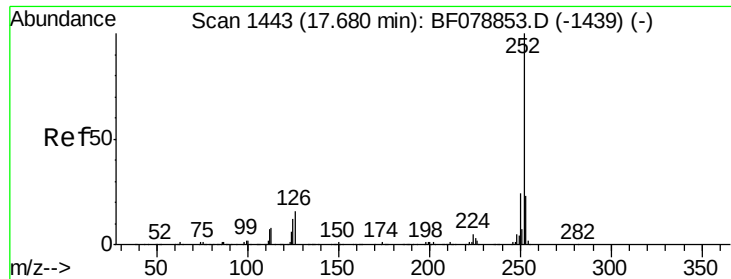
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.3	0.0	0.0#
277	29.1	0.0	0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.98 min Scan# 1469
 Delta R.T. -0.06 min
 Lab File: BF078872.D
 Acq: 1 May 2015 3:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.2
265	21.8	18.3	27.5

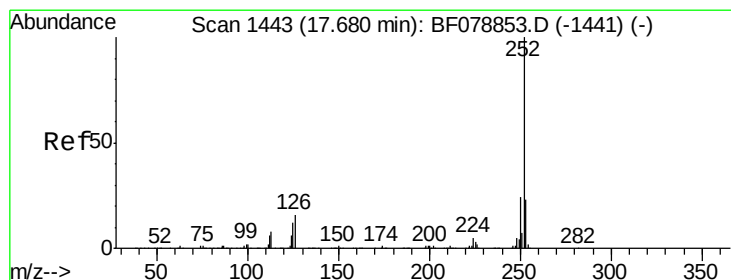
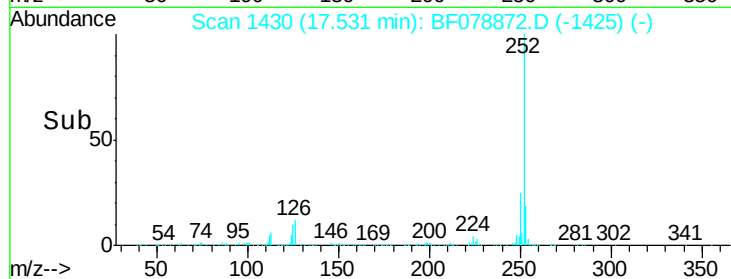
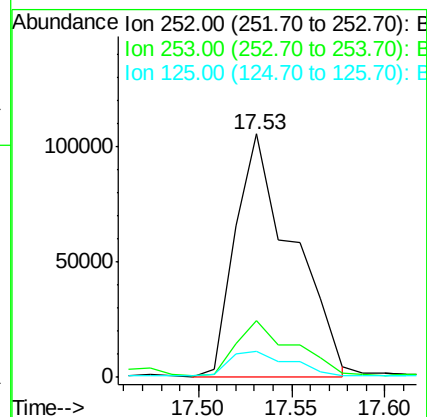
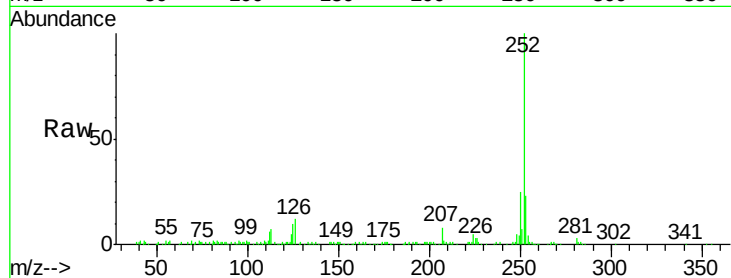




#87
Benzo(b)fluoranthene
Concen: 13.01 ng
RT: 17.53 min Scan# 1430
Delta R.T. -0.05 min
Lab File: BF078872.D
Acq: 1 May 2015 3:01

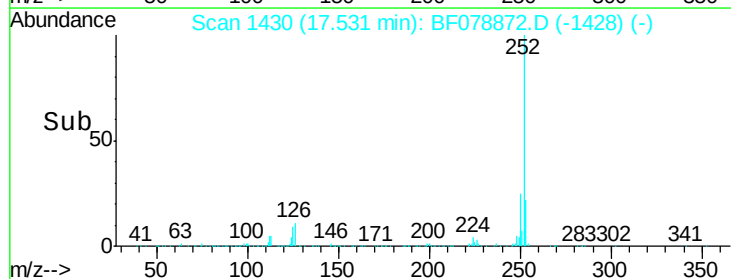
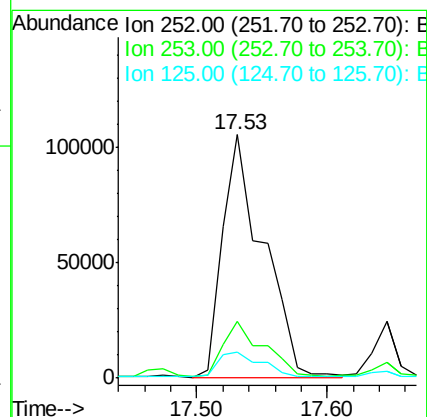
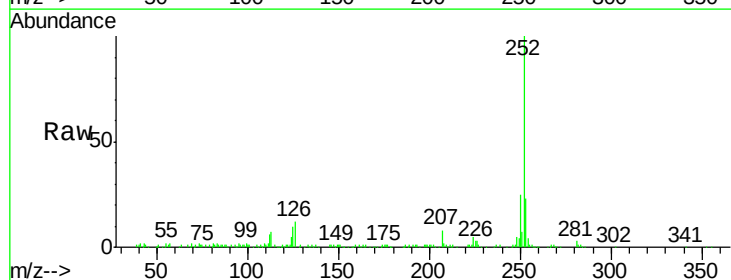
Instrument :
BNA_F
ClientSampleId :
SB-58S

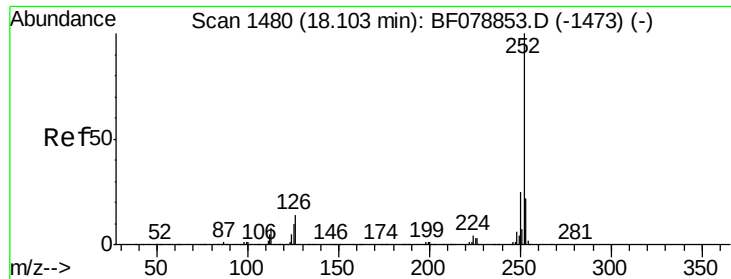
Tgt Ion:252 Resp: 227055
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 10.5 9.5 14.3



#88
Benzo(k)fluoranthene
Concen: 13.65 ng
RT: 17.53 min Scan# 1430
Delta R.T. -0.08 min
Lab File: BF078872.D
Acq: 1 May 2015 3:01

Tgt Ion:252 Resp: 230532
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 10.5 10.0 15.0





#89

Benzo(a)pyrene

Concen: 8.13 ng

RT: 17.91 min Scan# 1463

Delta R.T. -0.06 min

Lab File: BF078872.D

Acq: 1 May 2015 3:01

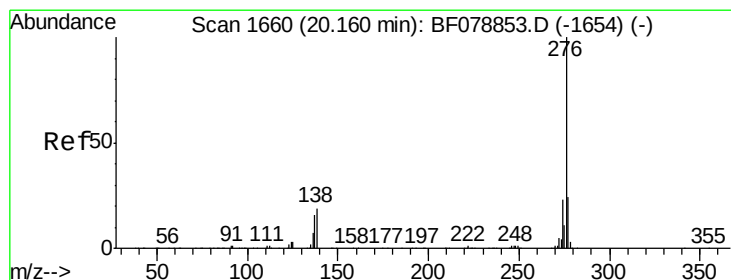
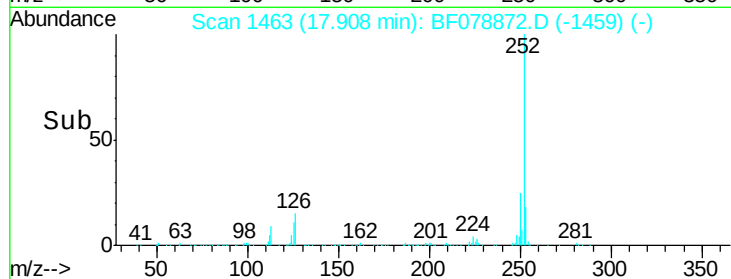
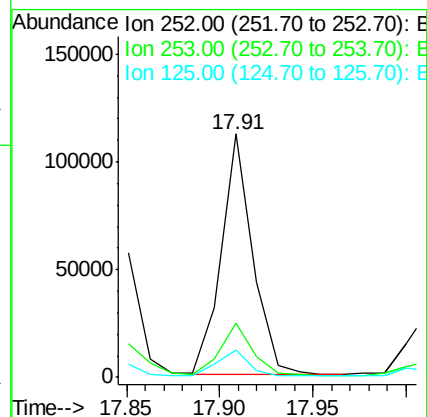
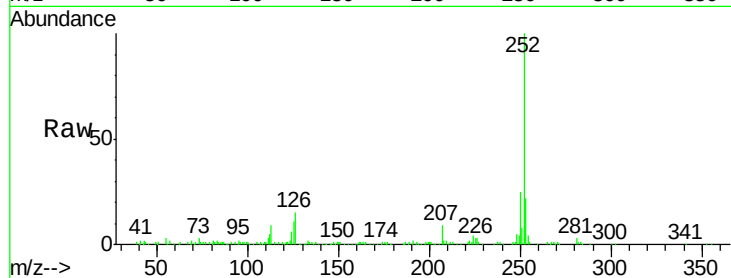
Instrument :

BNA_F

ClientSampleId :

SB-58S

Tgt Ion:	252	Resp:	130556
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	11.3	7.0	10.6#



#91

Benzo(g,h,i)perylene

Concen: 5.16 ng

RT: 19.92 min Scan# 1639

Delta R.T. -0.08 min

Lab File: BF078872.D

Acq: 1 May 2015 3:01

Tgt Ion:	276	Resp:	88316
Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.6	28.0
138	23.4	17.4	26.0

