

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF043015\
 Data File : BF078871.D
 Acq On : 1 May 2015 2:32
 Operator : TP/IZ
 Sample : G2044-12
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-57D

Quant Time: May 01 03:27:19 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

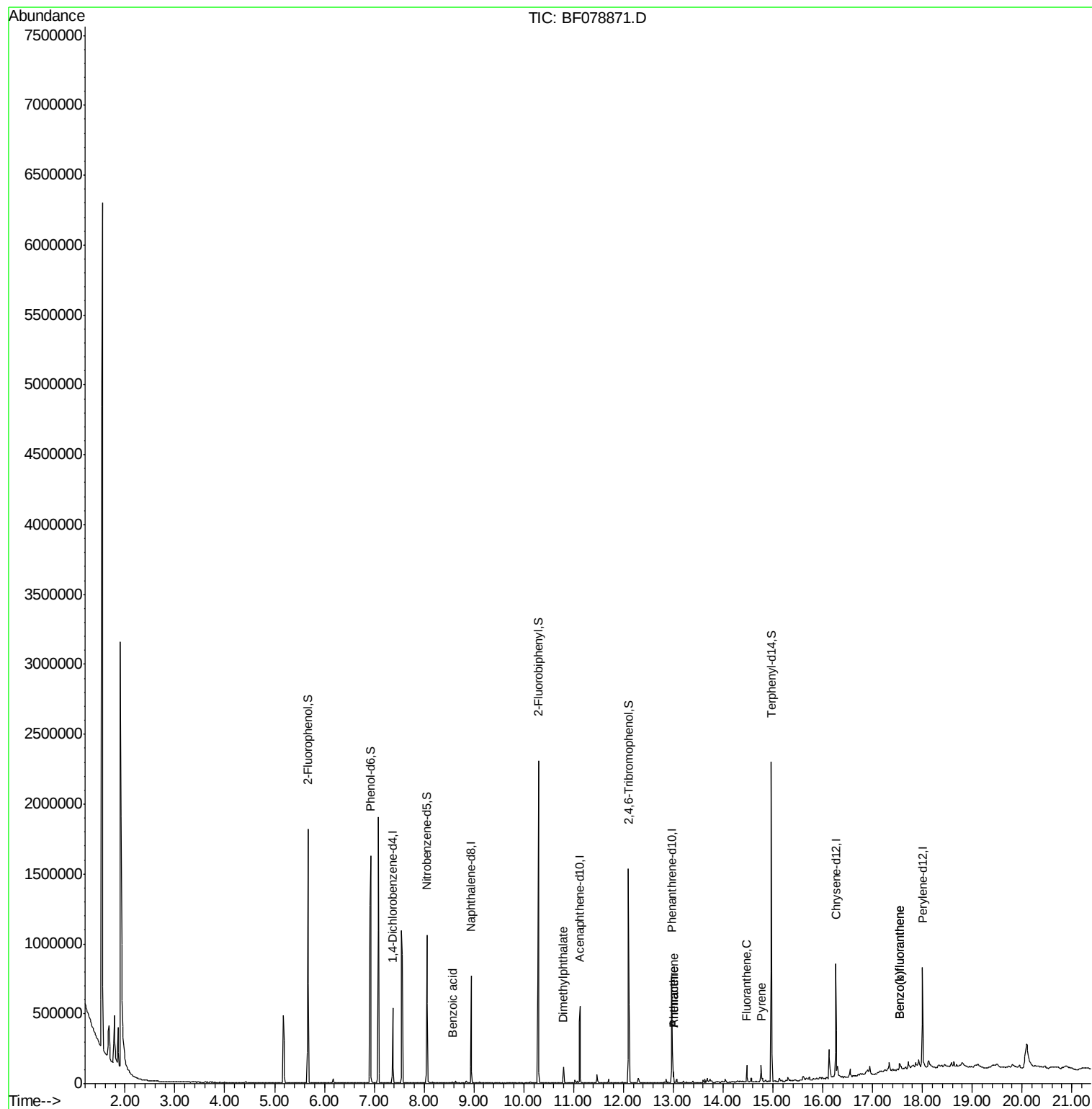
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	77555	20.00	ng	0.00
21) Naphthalene-d8	8.95	136	325989	20.00	ng	0.00
38) Acenaphthene-d10	11.13	164	151853	20.00	ng	0.00
63) Phenanthrene-d10	12.97	188	287536	20.00	ng	0.00
75) Chrysene-d12	16.26	240	300124	20.00	ng	-0.01
86) Perylene-d12	18.00	264	321892	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	548921	121.84	ng	0.00
7) Phenol-d6	6.92	99	765173	128.48	ng	0.01
23) Nitrobenzene-d5	8.06	82	397621	70.10	ng	0.00
41) 2,4,6-Tribromophenol	12.10	330	199210	121.26	ng	0.00
44) 2-Fluorobiphenyl	10.30	172	733249	67.27	ng	0.00
78) Terphenyl-d14	14.97	244	781381	62.33	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	8.57	122	1427	6.74	ng	# 79
49) Dimethylphthalate	10.80	163	46922	4.21	ng	99
70) Phenanthrene	13.01	178	35895	2.23	ng	97
71) Anthracene	13.01	178	35893	2.27	ng	98
74) Fluoranthene	14.48	202	49166	2.93	ng	99
77) Pyrene	14.77	202	56230	3.25	ng	97
87) Benzo(b)fluoranthene	17.54	252	36237	2.06	ng	# 93
88) Benzo(k)fluoranthene	17.54	252	36941	2.17	ng	# 94

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

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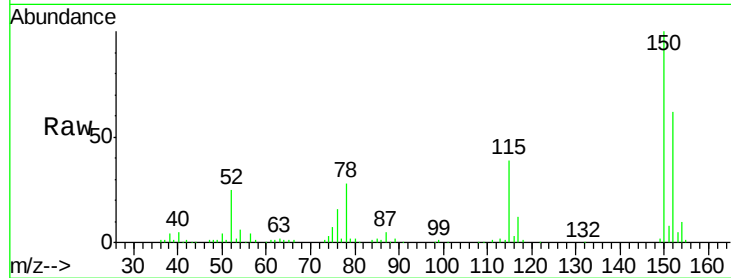




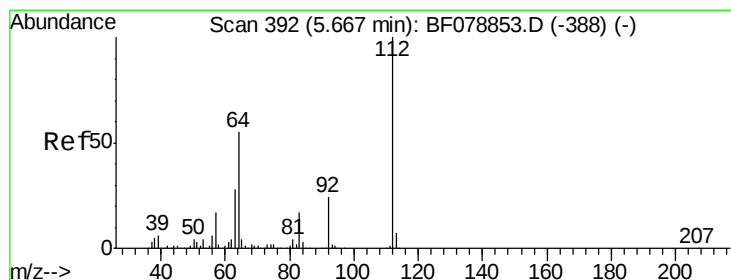
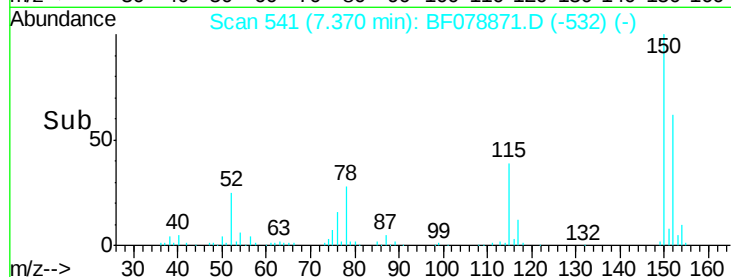
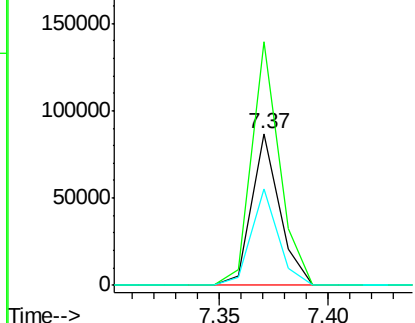
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.37 min Scan# 541
 Delta R.T. -0.00 min
 Lab File: BF078871.D
 Acq: 1 May 2015 2:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-57D

Tgt Ion:152 Resp: 77555
 Ion Ratio Lower Upper
 152 100
 150 160.6 122.0 183.0
 115 63.2 46.3 69.5

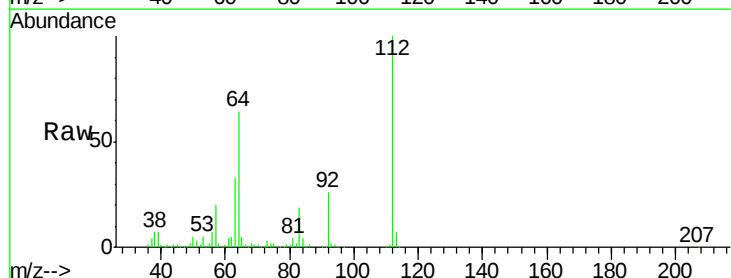


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

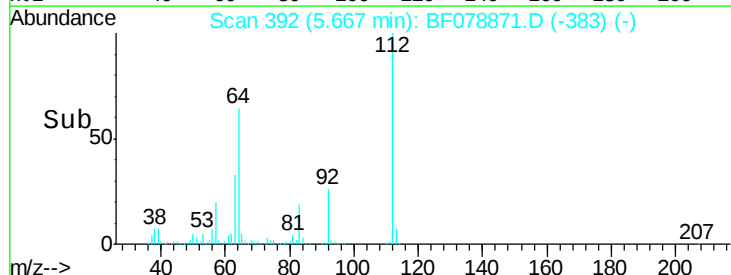
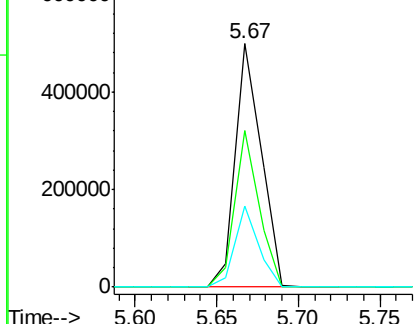


#5
 2-Fluorophenol
 Concen: 121.84 ng
 RT: 5.67 min Scan# 392
 Delta R.T. -0.00 min
 Lab File: BF078871.D
 Acq: 1 May 2015 2:32

Tgt Ion:112 Resp: 548921
 Ion Ratio Lower Upper
 112 100
 64 64.4 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: 128.48 ng

RT: 6.92 min Scan# 502

Delta R.T. 0.01 min

Lab File: BF078871.D

Acq: 1 May 2015 2:32

Instrument :

BNA_F

ClientSampleId :

SB-57D

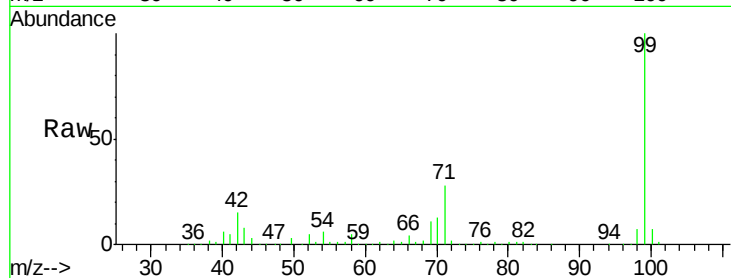
Tgt Ion: 99 Resp: 765173

Ion Ratio Lower Upper

99 100

42 14.7 12.8 19.2

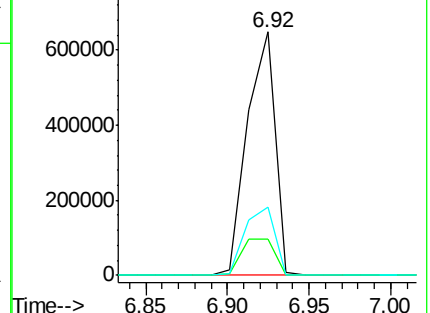
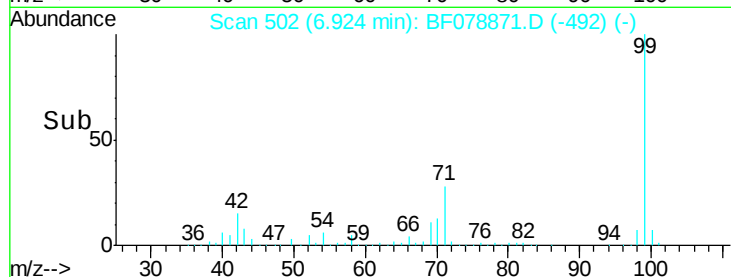
71 27.9 23.4 35.2



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: BF078871.D

Acq: 1 May 2015 2:32

Tgt Ion: 136 Resp: 325989

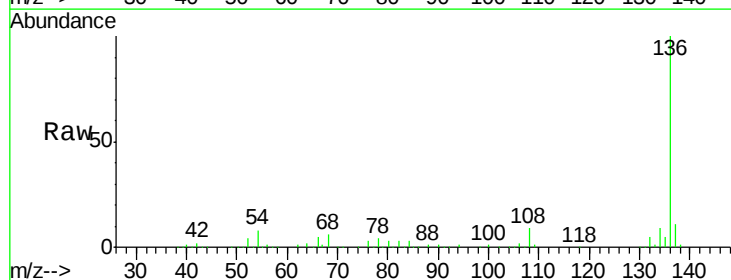
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 8.1 5.8 8.8

68 6.1 4.2 6.4

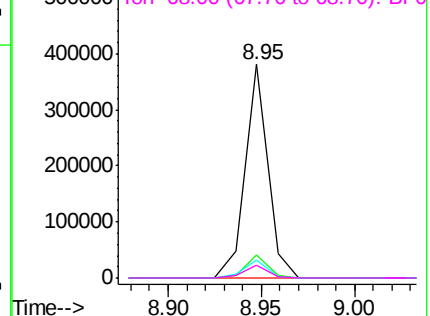
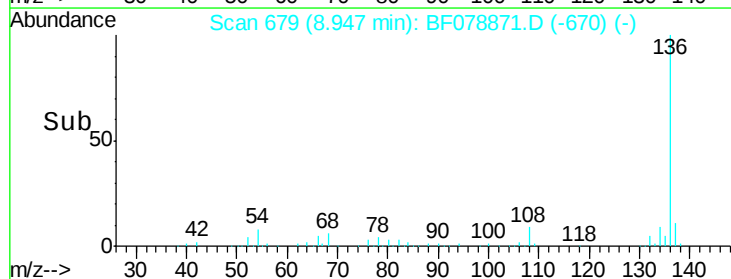


Abundance Ion 136.00 (135.70 to 136.70): E

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

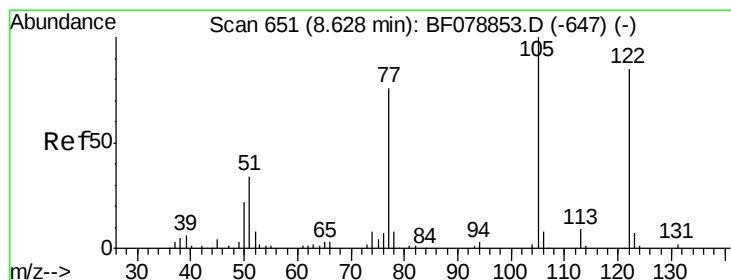
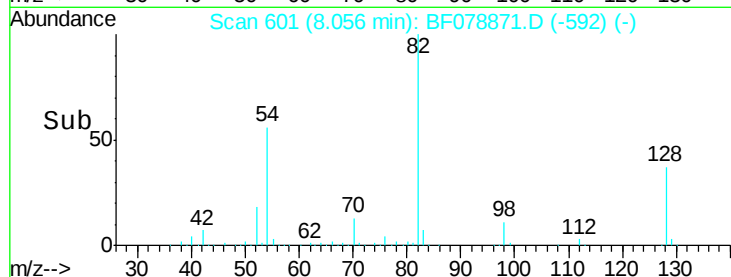
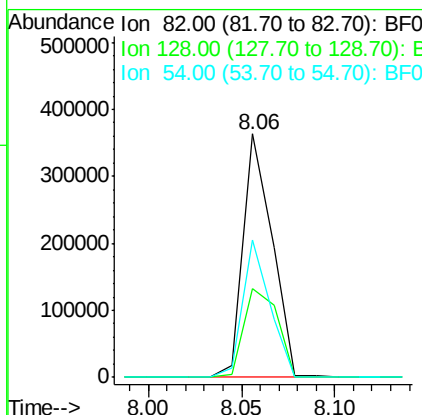
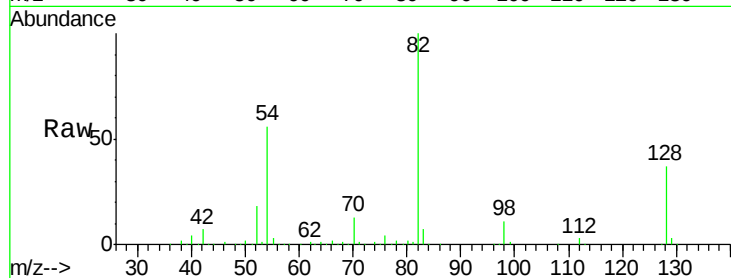




#23
 Nitrobenzene-d5
 Concen: 70.10 ng
 RT: 8.06 min Scan# 601
 Delta R.T. -0.00 min
 Lab File: BF078871.D
 Acq: 1 May 2015 2:32

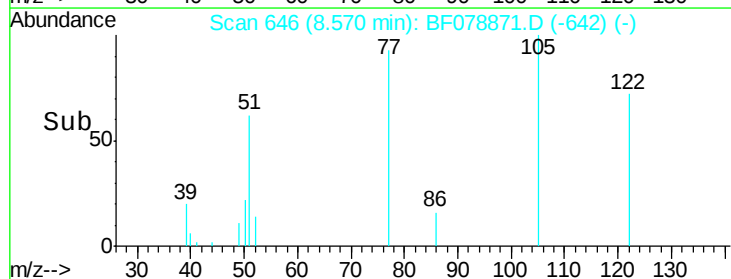
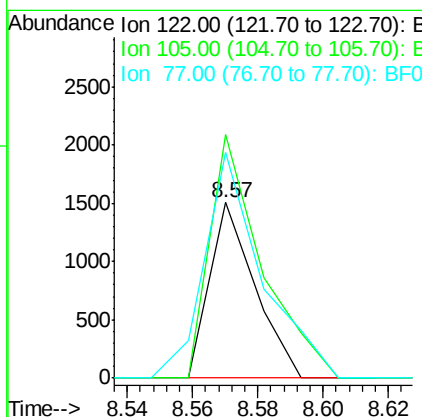
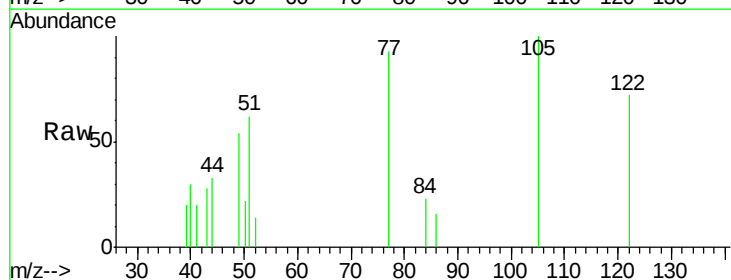
Instrument :
 BNA_F
 ClientSampleId :
 SB-57D

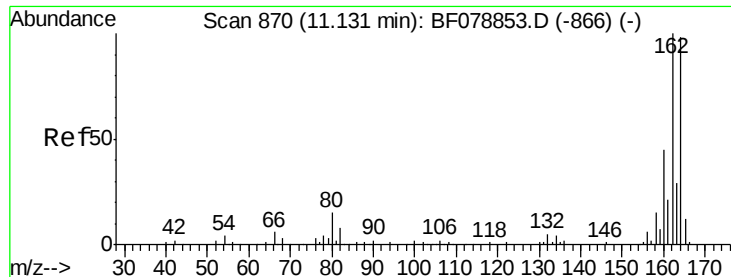
Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.7	30.0	45.0
54	56.4	46.4	69.6



#32
 Benzoic acid
 Concen: 6.74 ng
 RT: 8.57 min Scan# 646
 Delta R.T. -0.06 min
 Lab File: BF078871.D
 Acq: 1 May 2015 2:32

Tgt Ion	Ratio	Lower	Upper
122	100		
105	138.9	107.1	147.1
77	129.1	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: BF078871.D

Acq: 1 May 2015 2:32

Instrument :

BNA_F

ClientSampleId :

SB-57D

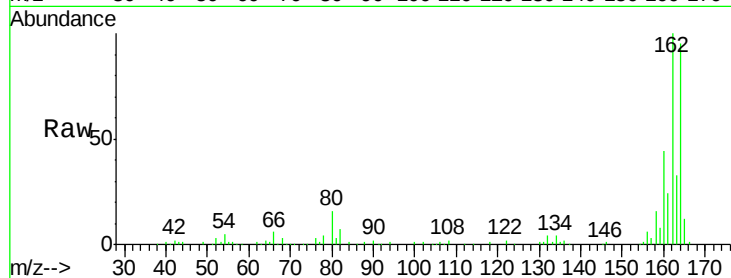
Tgt Ion:164 Resp: 151853

Ion Ratio Lower Upper

164 100

162 104.9 82.7 124.1

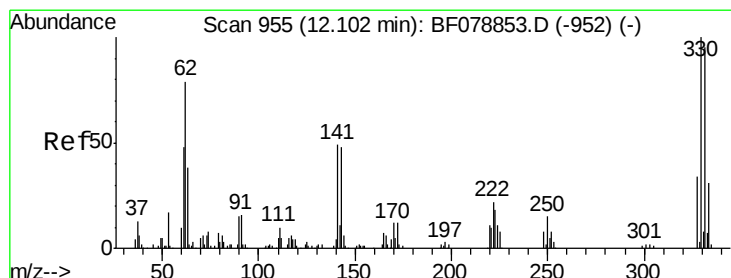
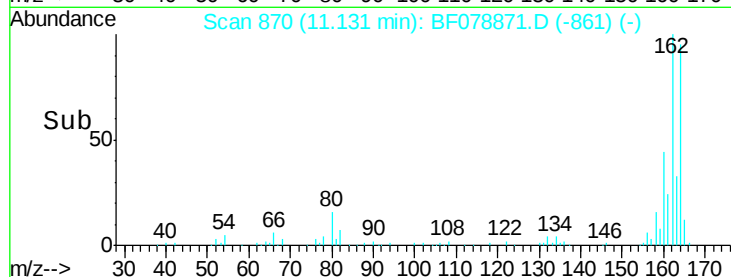
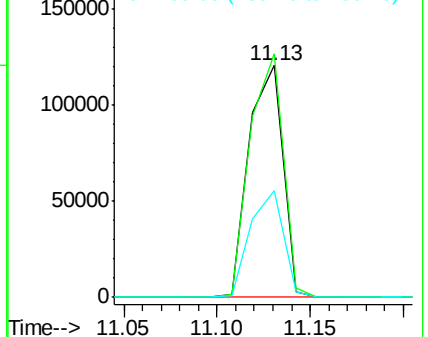
160 45.9 35.8 53.8



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: 121.26 ng

RT: 12.10 min Scan# 955

Delta R.T. -0.00 min

Lab File: BF078871.D

Acq: 1 May 2015 2:32

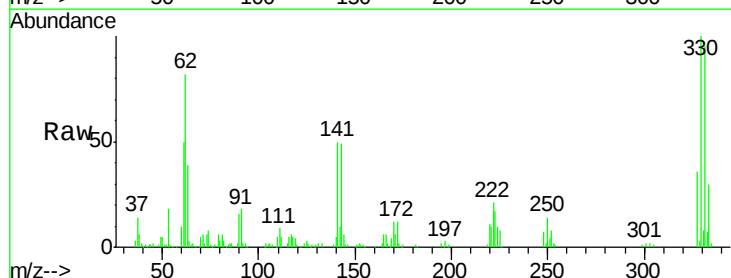
Tgt Ion:330 Resp: 199210

Ion Ratio Lower Upper

330 100

332 96.4 0.0 0.0#

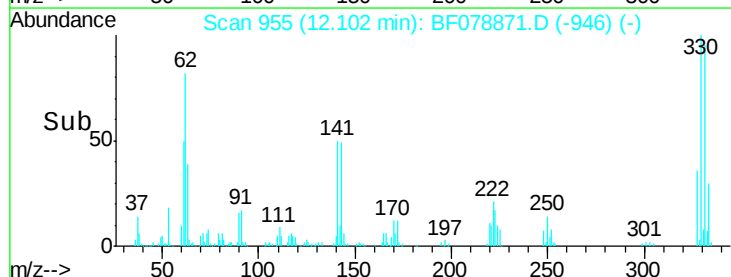
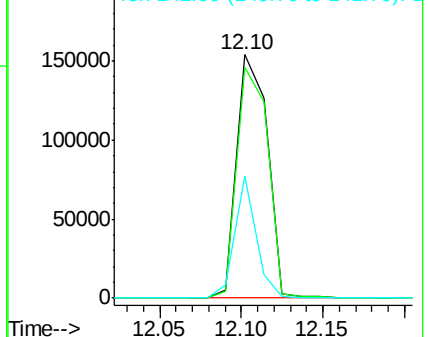
141 34.8 0.0 0.0#



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

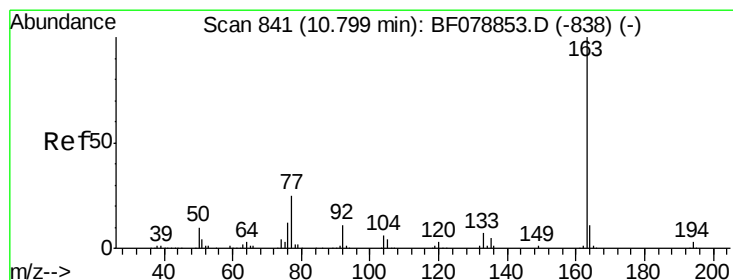
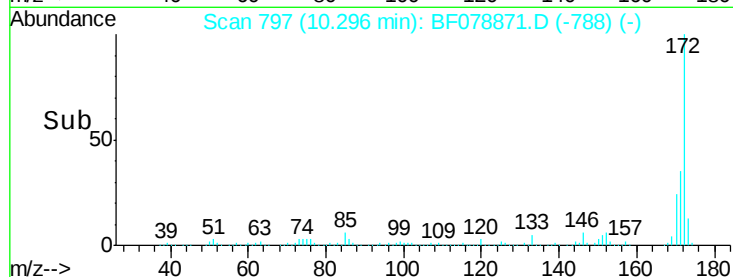
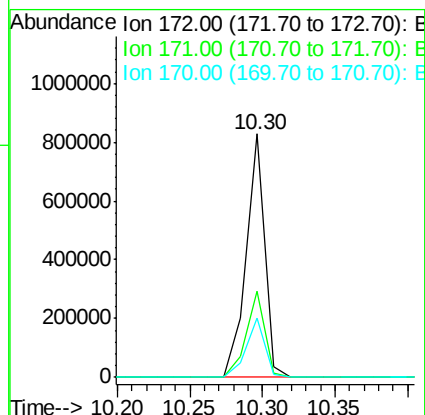
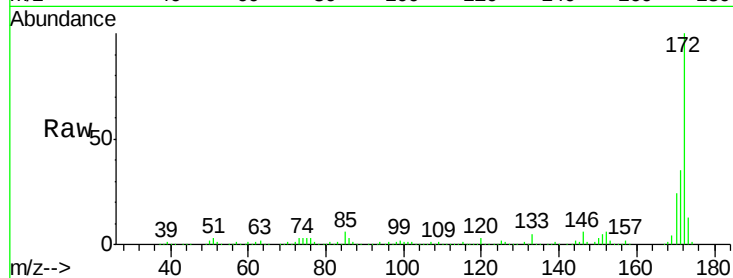




#44
2-Fluorobiphenyl
Concen: 67.27 ng
RT: 10.30 min Scan# 797
Delta R.T. -0.00 min
Lab File: BF078871.D
Acq: 1 May 2015 2:32

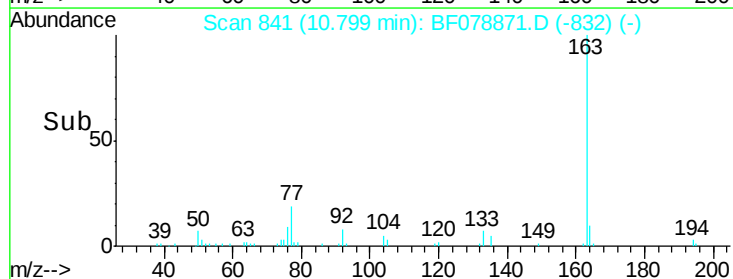
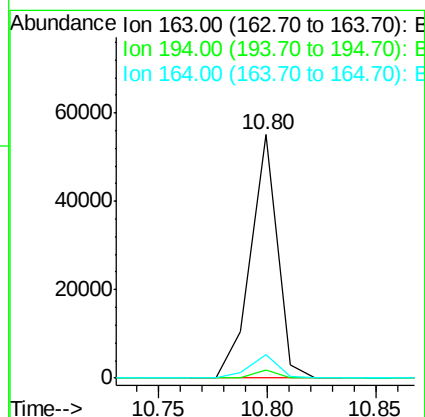
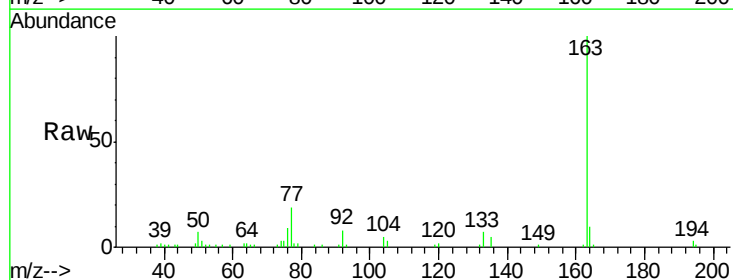
Instrument :
BNA_F
ClientSampleId :
SB-57D

Tgt Ion:172 Resp: 733249
Ion Ratio Lower Upper
172 100
171 35.2 27.9 41.9
170 24.2 19.4 29.0



#49
Dimethylphthalate
Concen: 4.21 ng
RT: 10.80 min Scan# 841
Delta R.T. -0.00 min
Lab File: BF078871.D
Acq: 1 May 2015 2:32

Tgt Ion:163 Resp: 46922
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.8 8.1 12.1

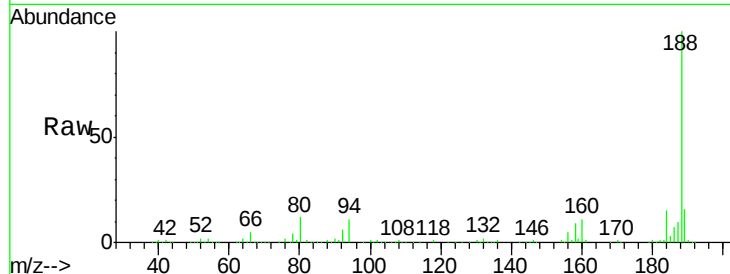




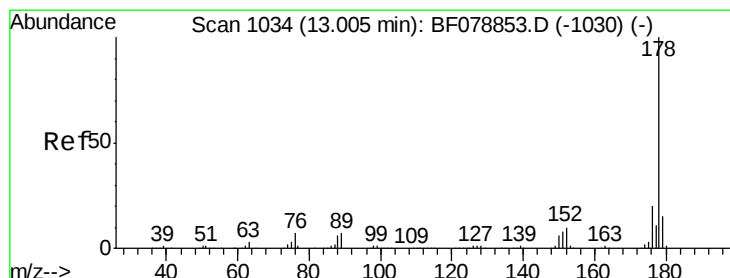
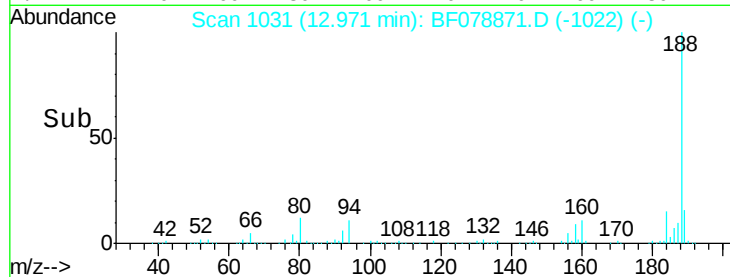
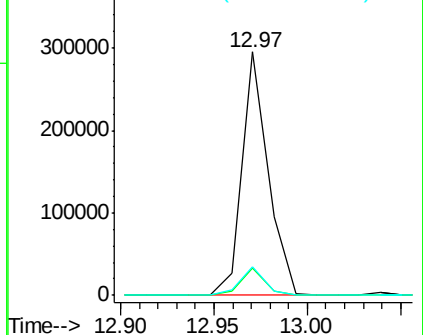
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.97 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BF078871.D
Acq: 1 May 2015 2:32

Instrument :
BNA_F
ClientSampleId :
SB-57D

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.2	12.2
80	12.0	8.9	13.3

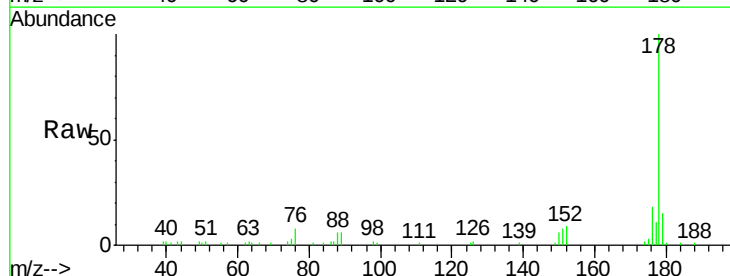


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

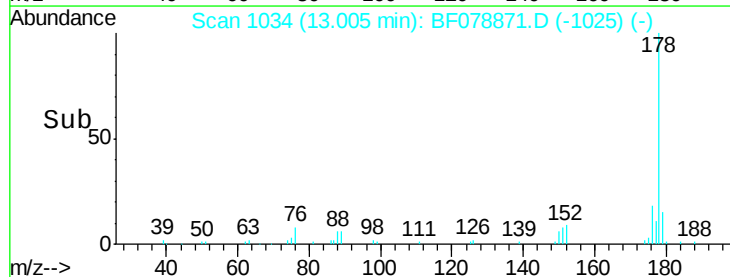
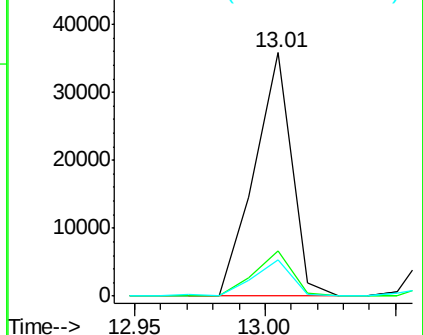


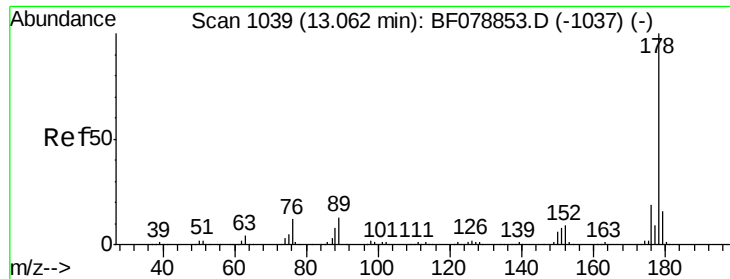
#70
Phenanthrene
Concen: 2.23 ng
RT: 13.01 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF078871.D
Acq: 1 May 2015 2:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	14.8	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





#71

Anthracene

Concen: 2.27 ng

RT: 13.01 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF078871.D

Acq: 1 May 2015 2:32

Instrument :

BNA_F

ClientSampleId :

SB-57D

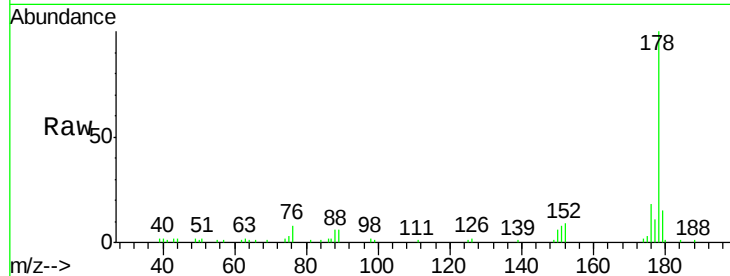
Tgt Ion:178 Resp: 35893

Ion Ratio Lower Upper

178 100

176 18.4 15.5 23.3

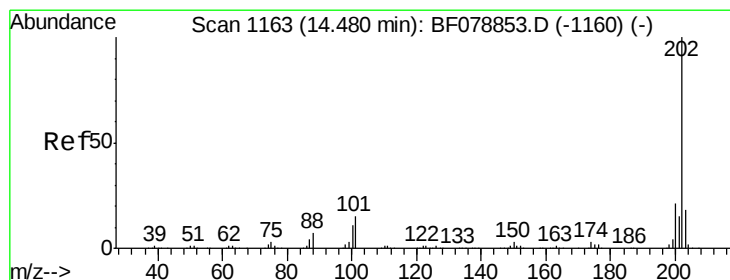
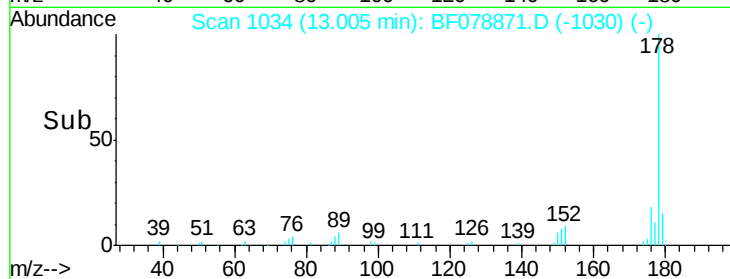
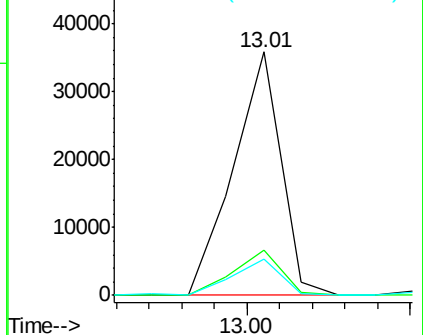
179 14.8 12.7 19.1



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: 2.93 ng

RT: 14.48 min Scan# 1163

Delta R.T. -0.00 min

Lab File: BF078871.D

Acq: 1 May 2015 2:32

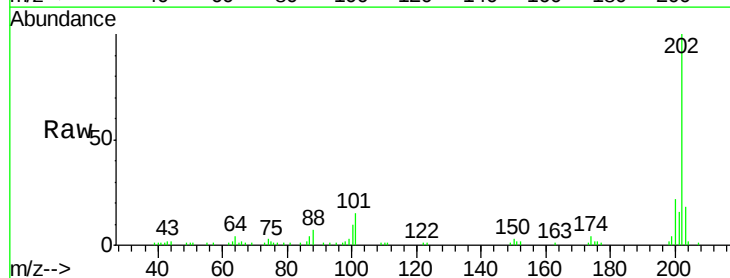
Tgt Ion:202 Resp: 49166

Ion Ratio Lower Upper

202 100

101 14.9 0.0 34.6

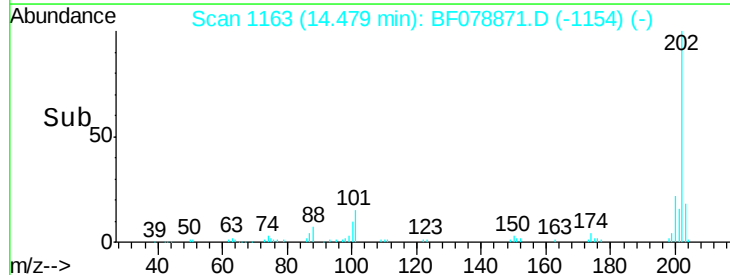
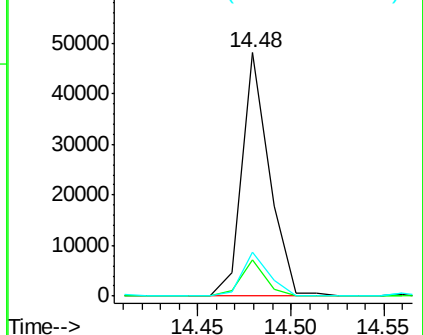
203 18.1 0.0 38.4

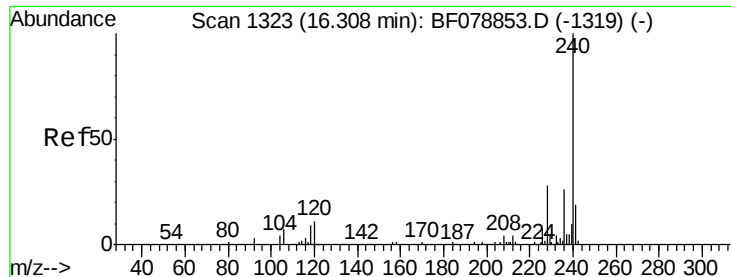


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF078871.D

Acq: 1 May 2015 2:32

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SB-57D

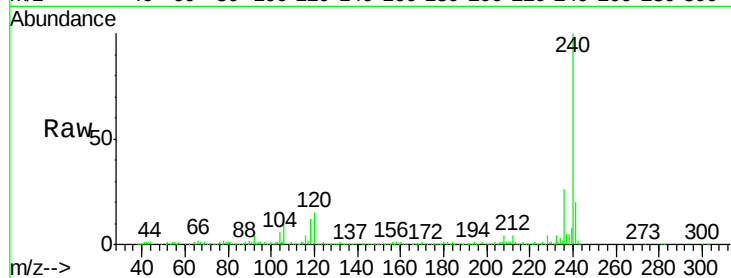
Tgt Ion:240 Resp: 300124

Ion Ratio Lower Upper

240 100

120 14.6 9.7 14.5#

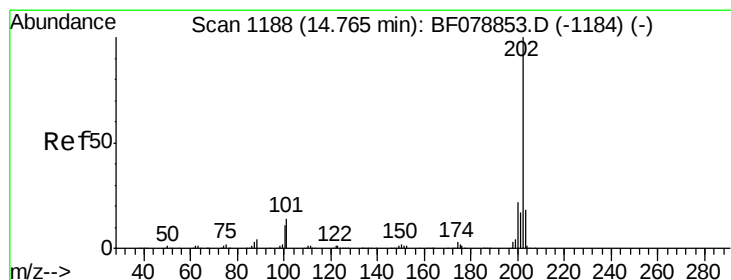
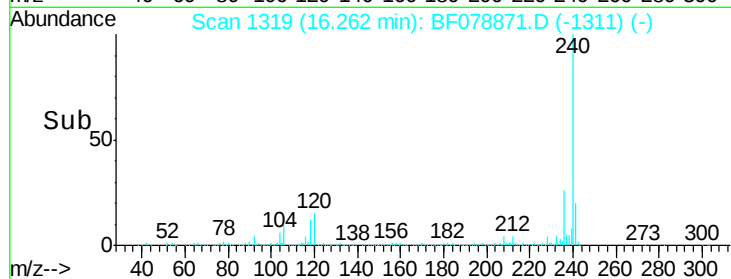
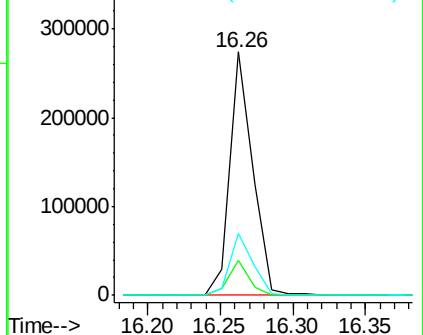
236 25.5 20.2 30.4



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



#77

Pyrene

Concen: 3.25 ng

RT: 14.77 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BF078871.D

Acq: 1 May 2015 2:32

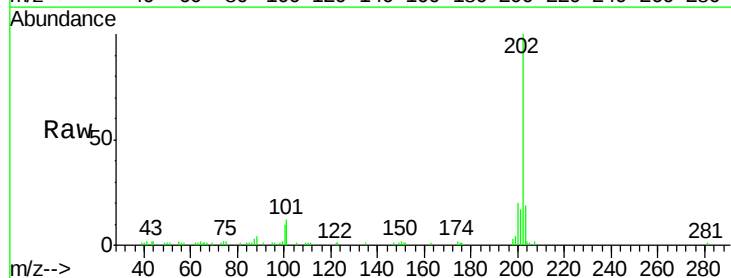
Tgt Ion:202 Resp: 56230

Ion Ratio Lower Upper

202 100

200 20.5 17.5 26.3

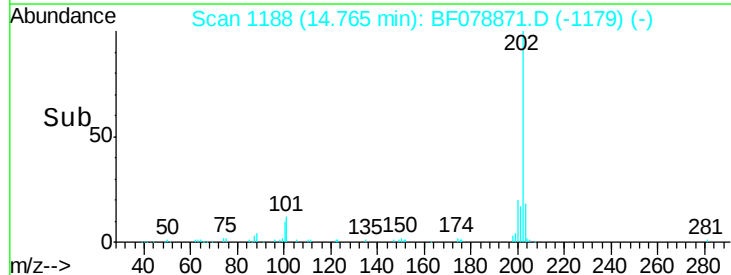
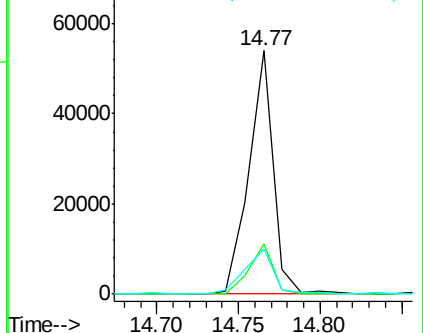
203 18.8 13.9 20.9

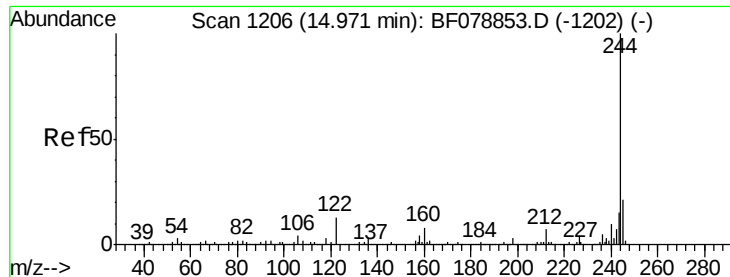


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 62.33 ng

RT: 14.97 min Scan# 1206

Delta R.T. -0.00 min

Lab File: BF078871.D

Acq: 1 May 2015 2:32

Instrument :

BNA_F

ClientSampleId :

SB-57D

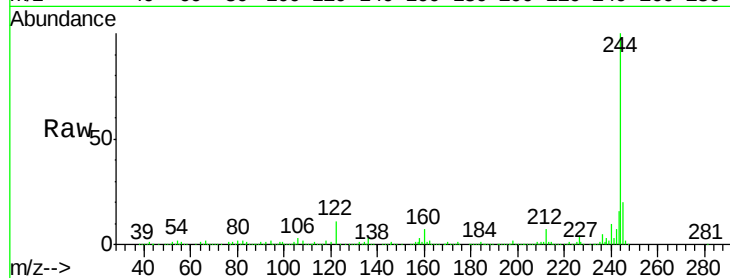
Tgt Ion:244 Resp: 781381

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

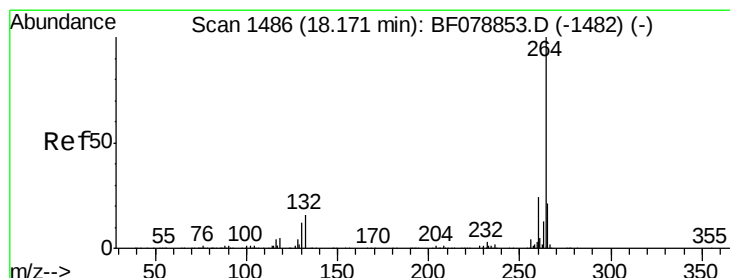
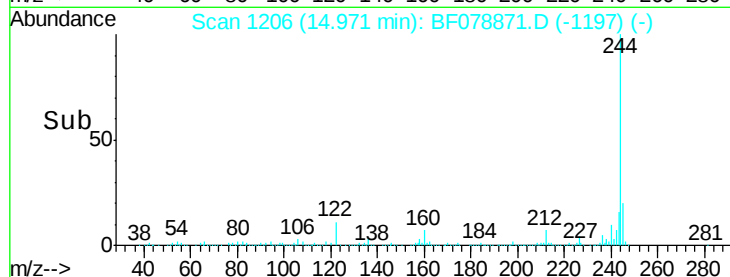
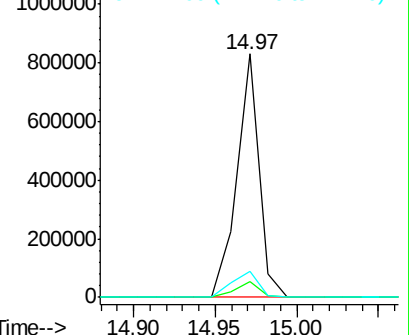
122 10.9 10.3 15.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 18.00 min Scan# 1471

Delta R.T. -0.03 min

Lab File: BF078871.D

Acq: 1 May 2015 2:32

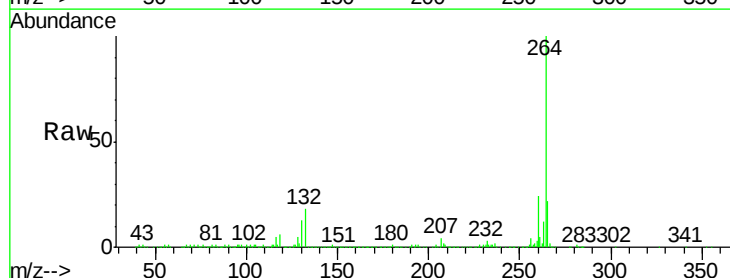
Tgt Ion:264 Resp: 321892

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.2

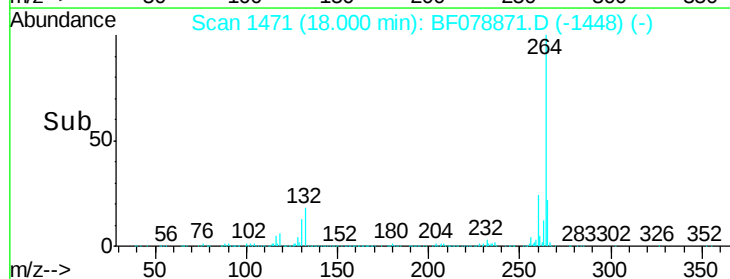
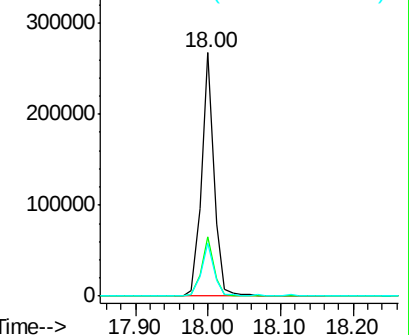
265 21.8 18.3 27.5

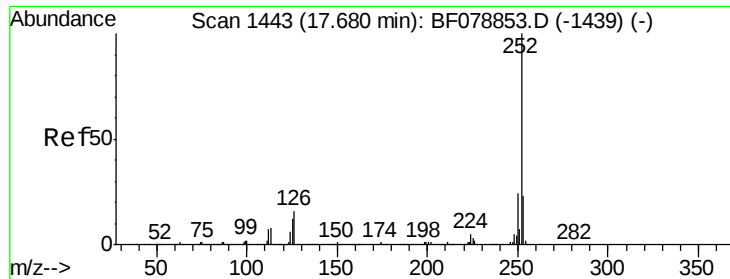


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

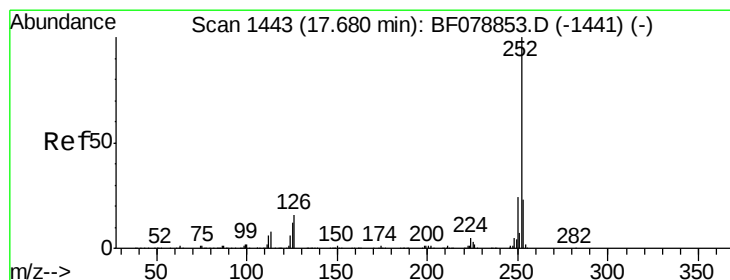
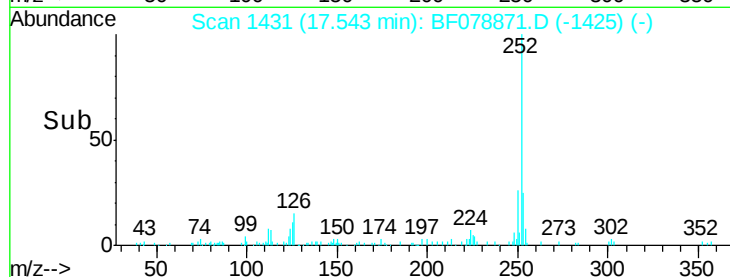
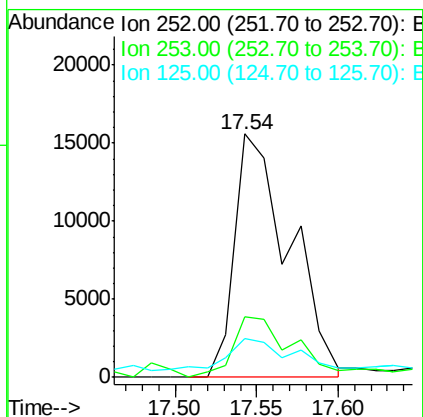
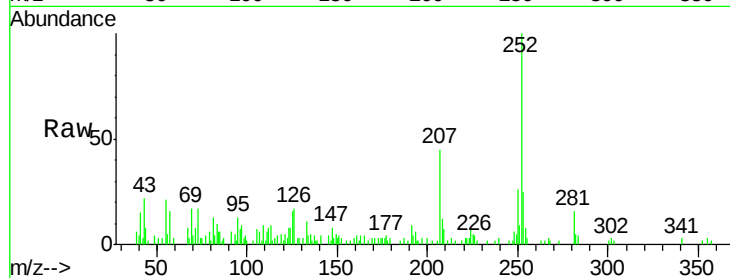




#87
Benzo(b)fluoranthene
Concen: 2.06 ng
RT: 17.54 min Scan# 1431
Delta R.T. -0.03 min
Lab File: BF078871.D
Acq: 1 May 2015 2:32

Instrument :
BNA_F
ClientSampleId :
SB-57D

Tgt Ion:252 Resp: 36237
Ion Ratio Lower Upper
252 100
253 24.7 17.7 26.5
125 16.2 9.5 14.3#



#88
Benzo(k)fluoranthene
Concen: 2.17 ng
RT: 17.54 min Scan# 1431
Delta R.T. -0.07 min
Lab File: BF078871.D
Acq: 1 May 2015 2:32

Tgt Ion:252 Resp: 36941
Ion Ratio Lower Upper
252 100
253 24.7 18.1 27.1
125 16.2 10.0 15.0#

