

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031915\
 Data File : BF077860.D
 Acq On : 20 Mar 2015 7:11
 Operator : TP/IZ
 Sample : G1535-01RE 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP1B-1-B-5(0-6)RE

Quant Time: Mar 20 11:52:14 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 20 06:30:20 2015
 Response via : Initial Calibration

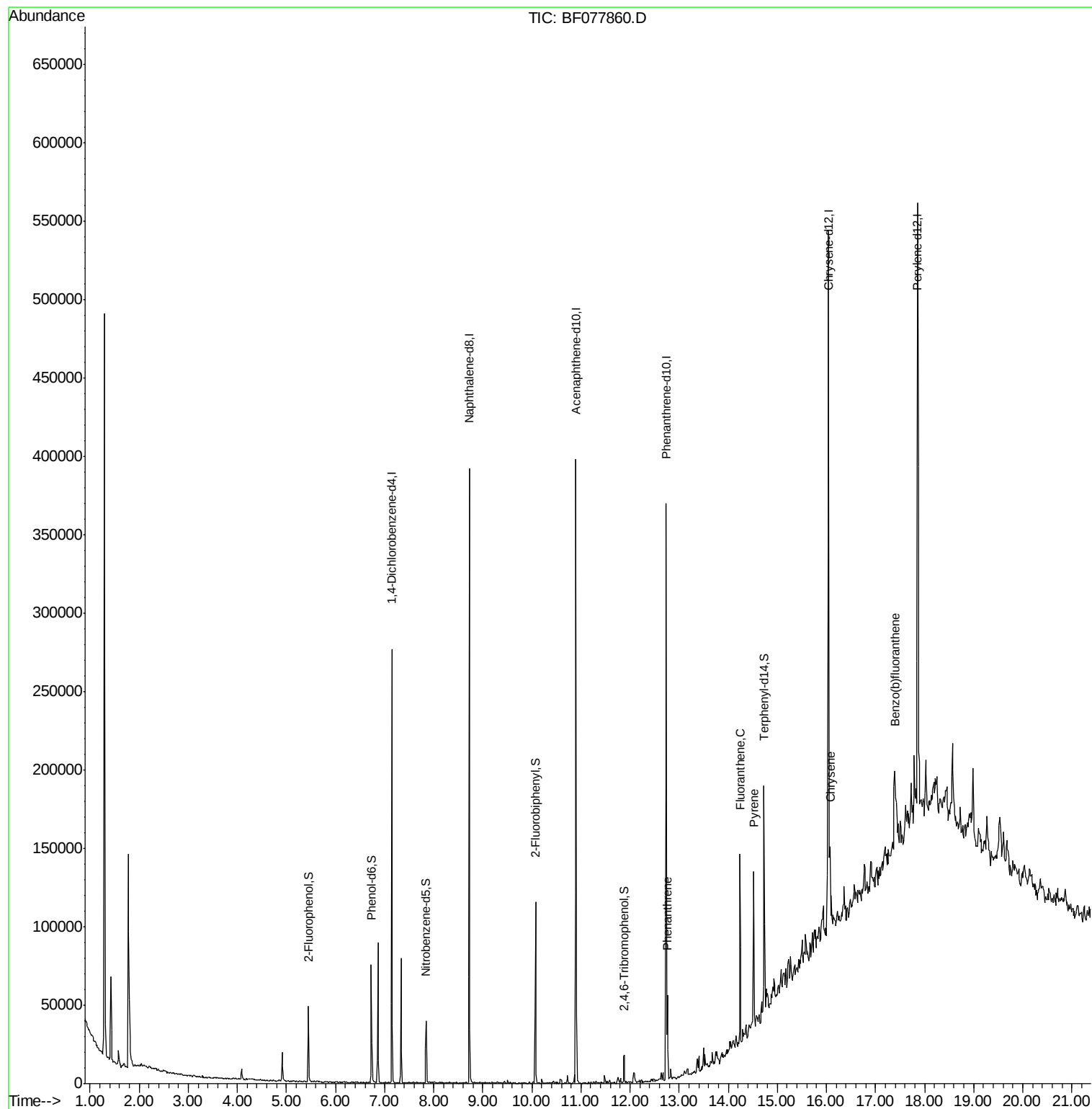
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.15	152	43869	20.00	ng	0.00
21) Naphthalene-d8	8.73	136	178473	20.00	ng	0.00
38) Acenaphthene-d10	10.90	164	86226	20.00	ng	0.00
63) Phenanthrene-d10	12.74	188	166070	20.00	ng	0.00
75) Chrysene-d12	16.04	240	187655	20.00	ng	0.01
86) Perylene-d12	17.86	264	186748	20.00	ng	0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	21242	8.45	ng	0.01
7) Phenol-d6	6.73	99	30993	9.98	ng	0.00
23) Nitrobenzene-d5	7.85	82	17260	6.34	ng	0.00
41) 2,4,6-Tribromophenol	11.88	330	3759	4.56	ng	0.00
44) 2-Fluorobiphenyl	10.08	172	45674	7.78	ng	0.00
78) Terphenyl-d14	14.73	244	51788	6.74	ng	-0.01
Target Compounds						
70) Phenanthrene	12.76	178	23725	2.49	ng	99
74) Fluoranthene	14.24	202	57865	5.50	ng	94
77) Pyrene	14.52	202	50987	4.32	ng	98
82) Chrysene	16.08	228	26859	2.69	ng	97
87) Benzo(b)fluoranthene	17.39	252	34695m	2.85	ng	

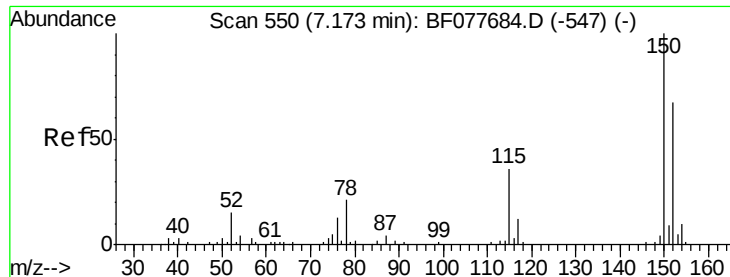
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.15 min Scan# 548

Delta R.T. -0.00 min

Lab File: BF077860.D

Acq: 20 Mar 2015 7:11

Instrument :

BNA_F

ClientSampleId :

COMP1B-1-B-5(0-6)RE

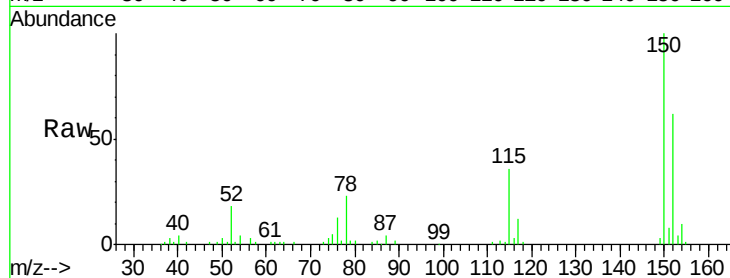
Tot Ion:152 Resp: 43869

Ion Ratio Lower Upper

152 100

150 162.0 119.5 179.3

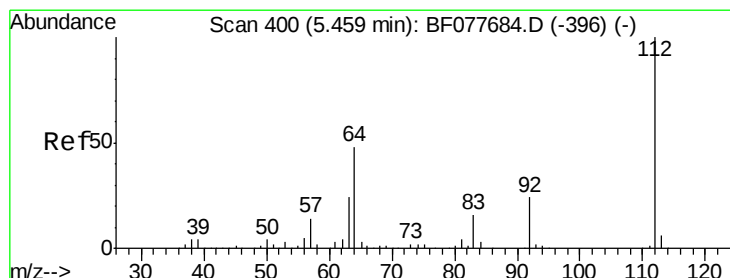
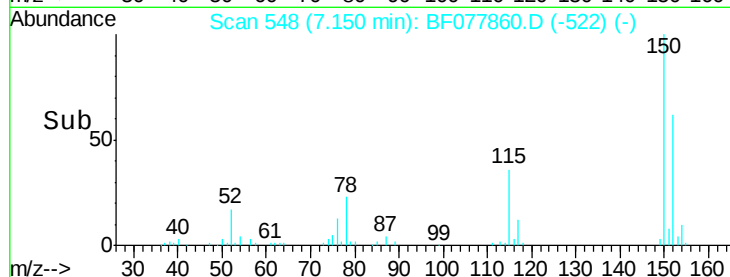
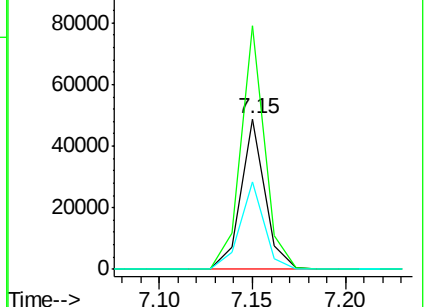
115 58.4 43.0 64.4



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: 8.45 ng

RT: 5.45 min Scan# 399

Delta R.T. 0.01 min

Lab File: BF077860.D

Acq: 20 Mar 2015 7:11

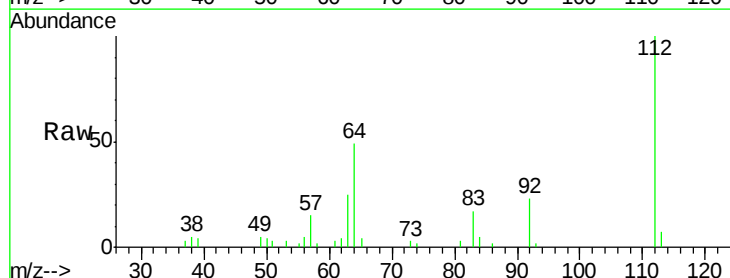
Tgt Ion:112 Resp: 21242

Ion Ratio Lower Upper

112 100

64 49.3 38.6 57.8

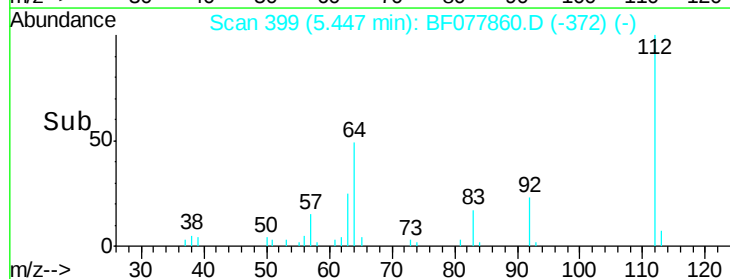
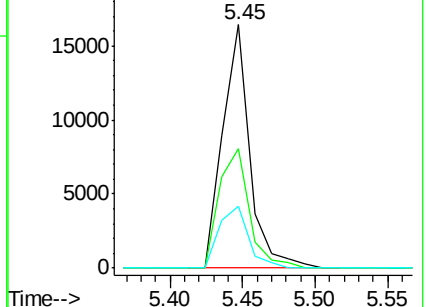
63 25.4 19.3 28.9



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: 9.98 ng

RT: 6.73 min Scan# 511

Delta R.T. -0.00 min

Lab File: BF077860.D

Acq: 20 Mar 2015 7:11

Instrument :

BNA_F

ClientSampleId :

COMP1B-1-B-5(0-6)RE

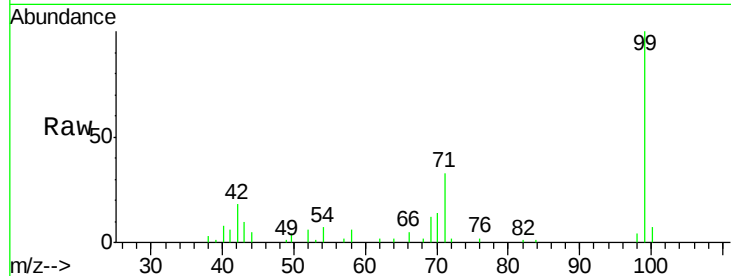
Tot Ion: 99 Resp: 30993

Ion Ratio Lower Upper

99 100

42 17.8 11.0 16.4#

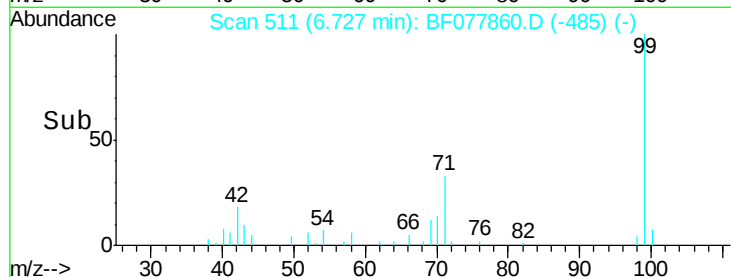
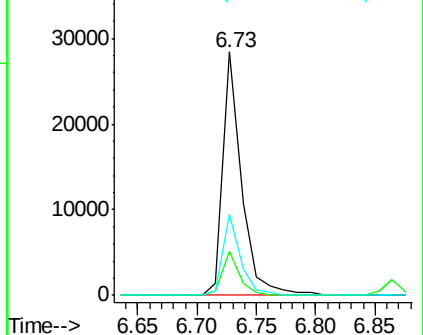
71 33.2 23.4 35.2



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: 8.73 min Scan# 686

Delta R.T. -0.00 min

Lab File: BF077860.D

Acq: 20 Mar 2015 7:11

Tgt Ion: 136 Resp: 178473

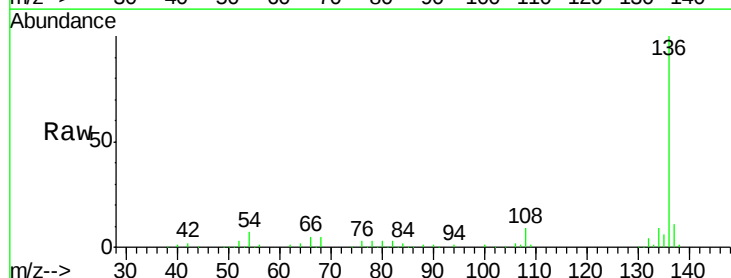
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 6.5 4.6 6.8

68 5.1 3.7 5.5

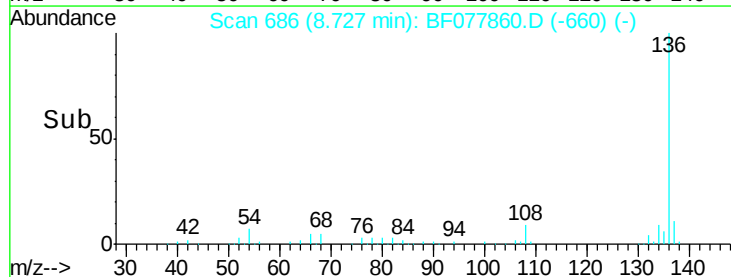
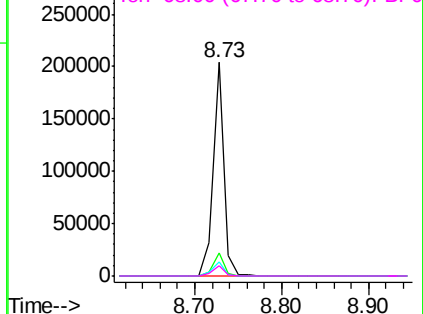


Abundance Ion 136.00 (135.70 to 136.70): E

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

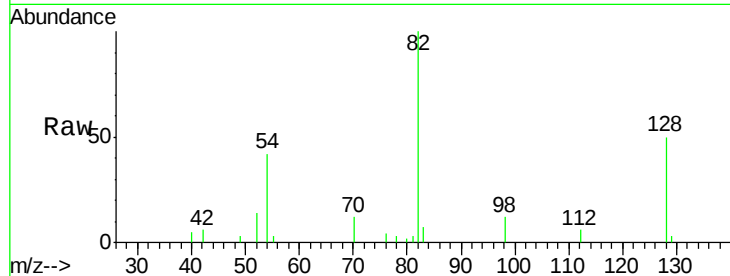




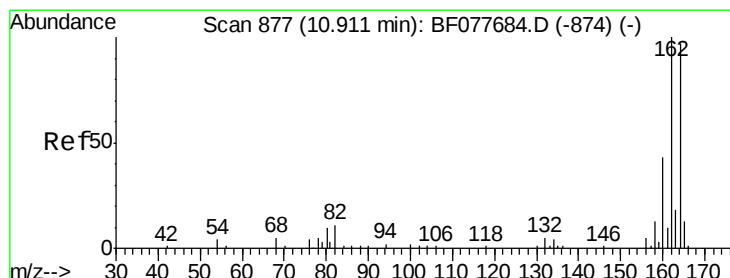
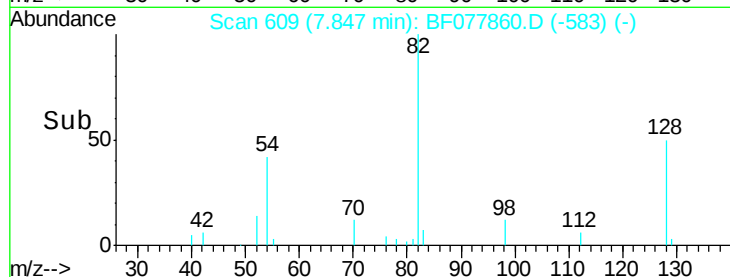
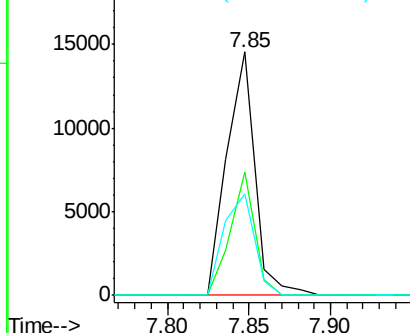
#23
 Nitrobenzene-d5
 Concen: 6.34 ng
 RT: 7.85 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: BF077860.D
 Acq: 20 Mar 2015 7:11

Instrument :
 BNA_F
 ClientSampleId :
 COMP1B-1-B-5(0-6)RE

Tot Ion	82	Resp	17260
Ion Ratio	Lower	Upper	
82	100		
128	50.4	32.8	49.2#
54	41.9	40.6	60.8

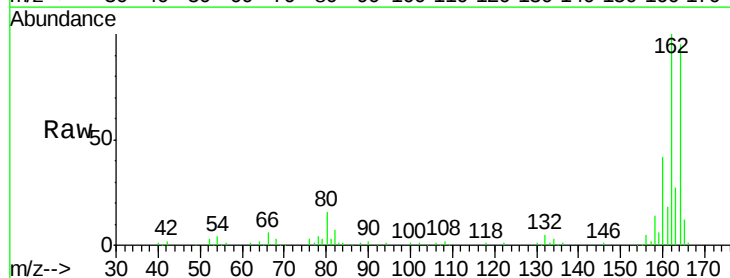


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

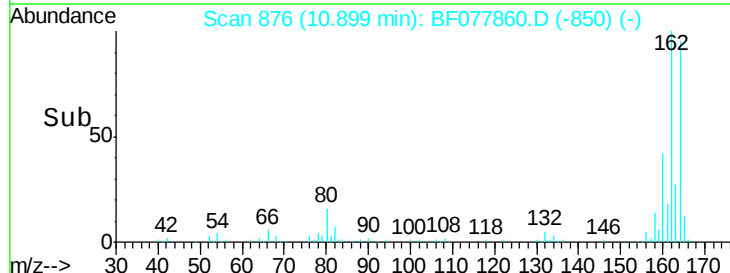
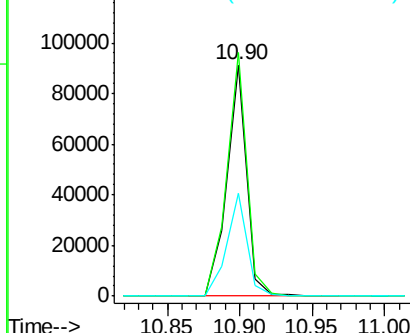


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.90 min Scan# 876
 Delta R.T. -0.00 min
 Lab File: BF077860.D
 Acq: 20 Mar 2015 7:11

Tgt Ion	164	Resp	86226
Ion Ratio	Lower	Upper	
164	100		
162	105.3	82.4	123.6
160	44.6	35.8	53.6



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

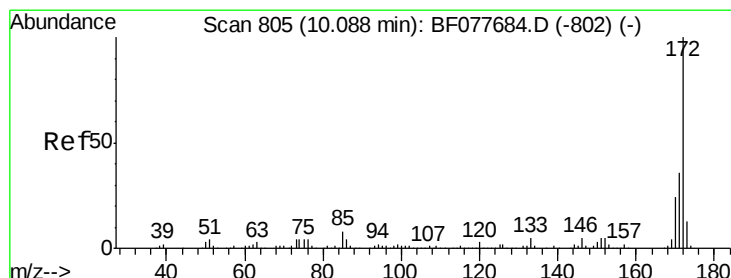
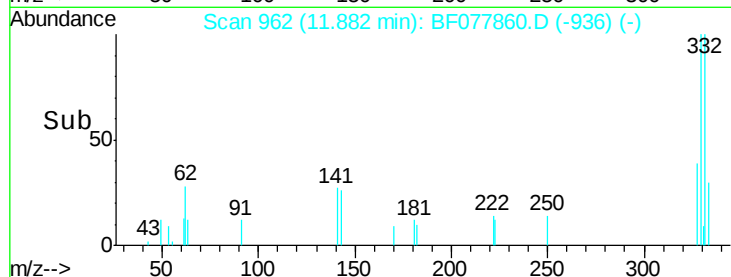
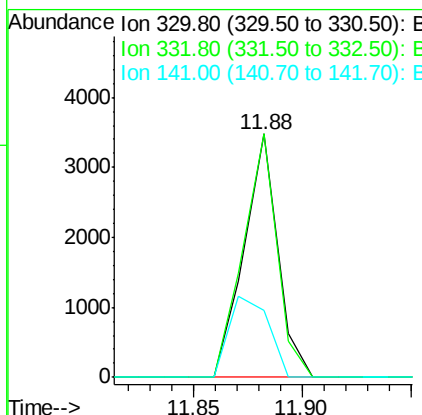
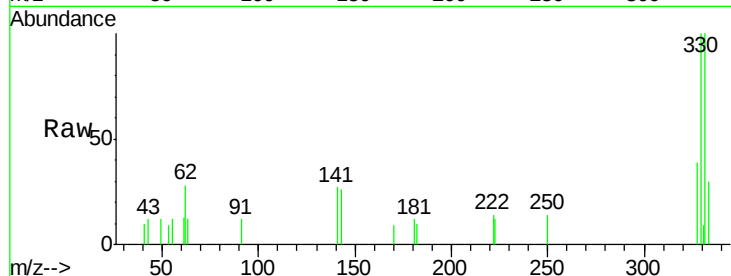




#41
 2,4,6-Tribromophenol
 Concen: 4.56 ng
 RT: 11.88 min Scan# 962
 Delta R.T. -0.00 min
 Lab File: BF077860.D
 Acq: 20 Mar 2015 7:11

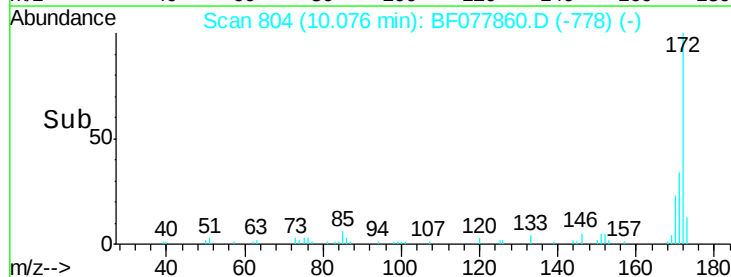
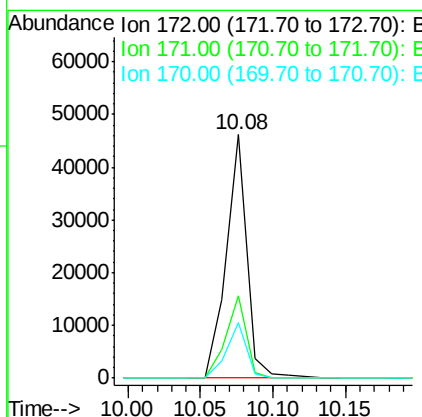
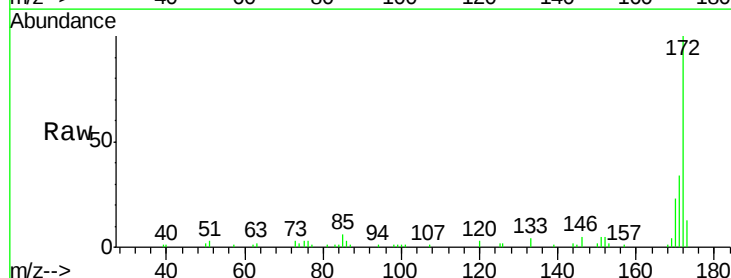
Instrument :
 BNA_F
 ClientSampleId :
 COMP1B-1-B-5(0-6)RE

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.9	0.0	0.0#
141	38.7	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 7.78 ng
 RT: 10.08 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: BF077860.D
 Acq: 20 Mar 2015 7:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	28.5	42.7
170	22.9	18.8	28.2

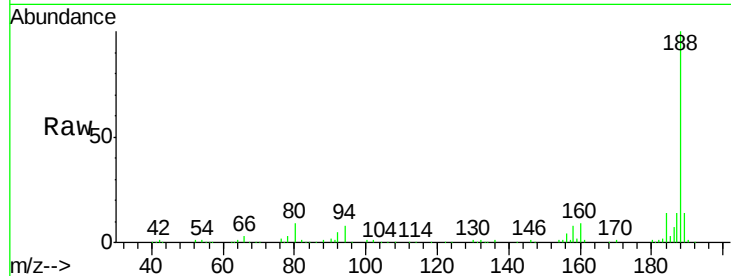




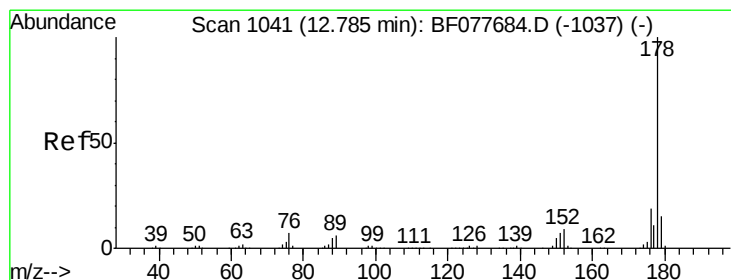
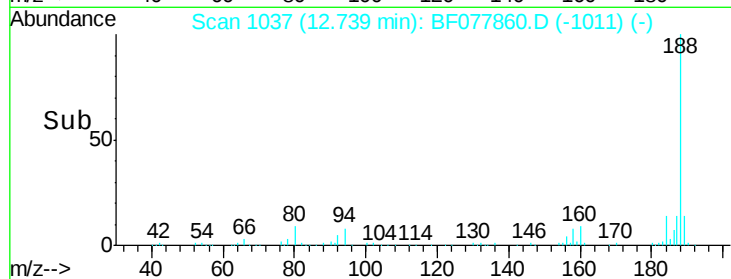
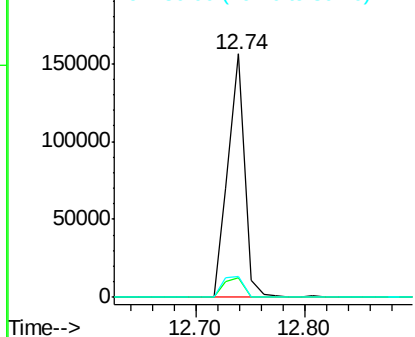
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.74 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BF077860.D
Acq: 20 Mar 2015 7:11

Instrument :
BNA_F
ClientSampleId :
COMP1B-1-B-5(0-6)RE

Tot Ion:188 Resp: 166070
Ion Ratio Lower Upper
188 100
94 8.2 8.7 13.1#
80 8.5 9.3 13.9#

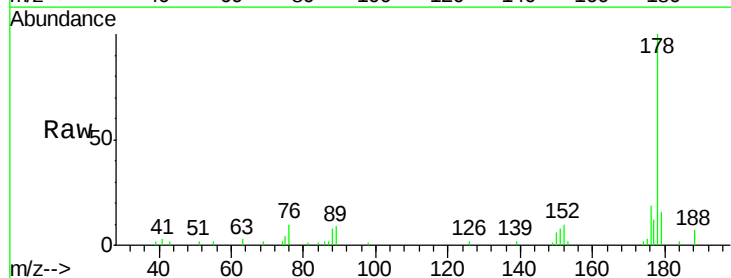


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

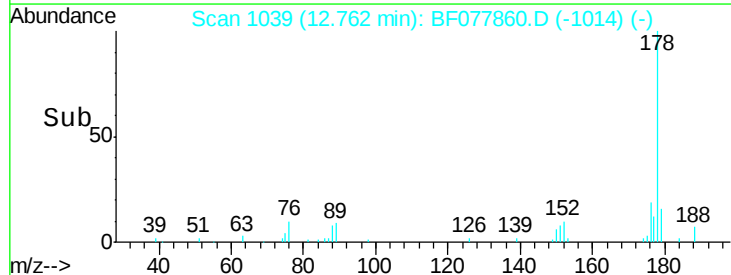
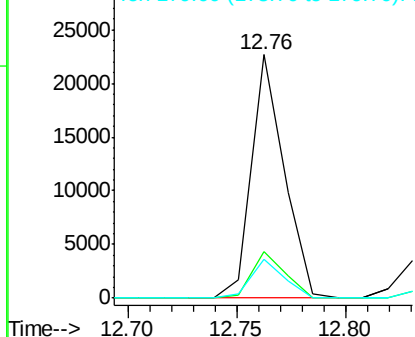


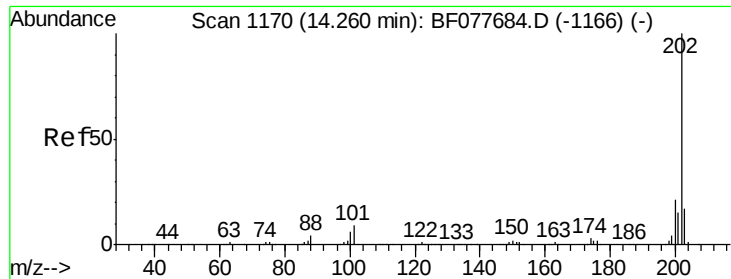
#70
Phenanthrene
Concen: 2.49 ng
RT: 12.76 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF077860.D
Acq: 20 Mar 2015 7:11

Tgt Ion:178 Resp: 23725
Ion Ratio Lower Upper
178 100
176 18.9 15.2 22.8
179 16.1 12.1 18.1



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

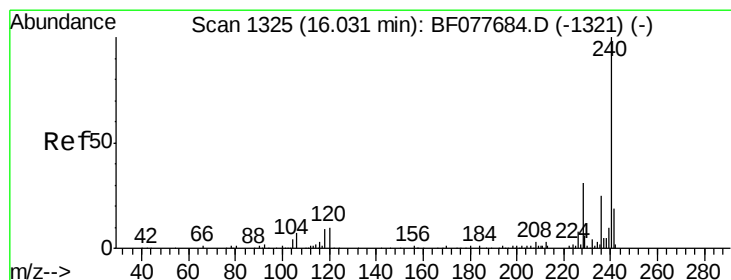
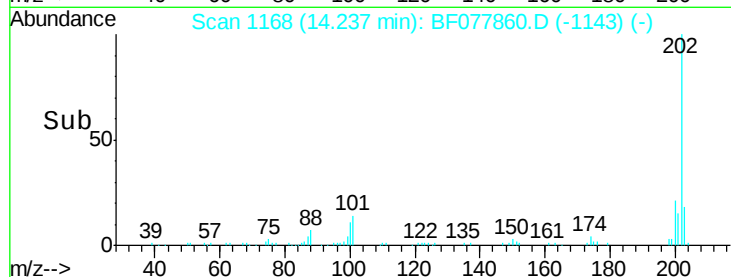
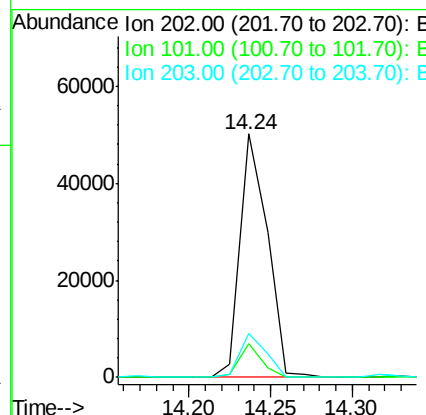
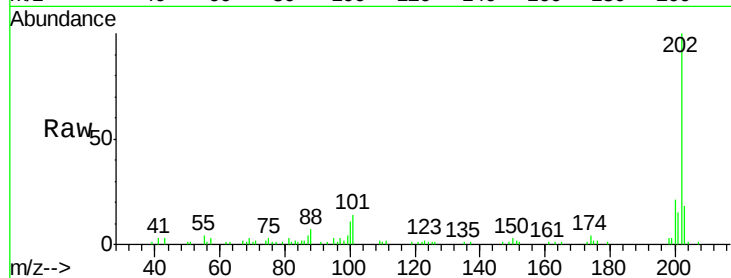




#74
 Fluoranthene
 Concen: 5.50 ng
 RT: 14.24 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF077860.D
 Acq: 20 Mar 2015 7:11

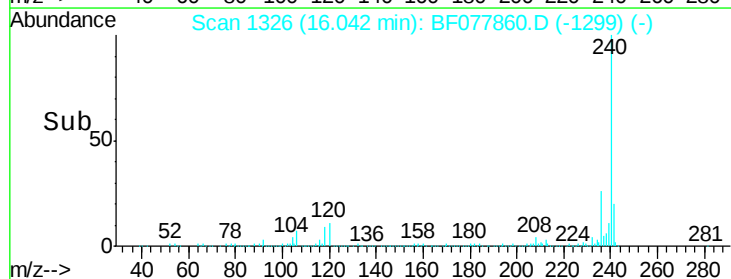
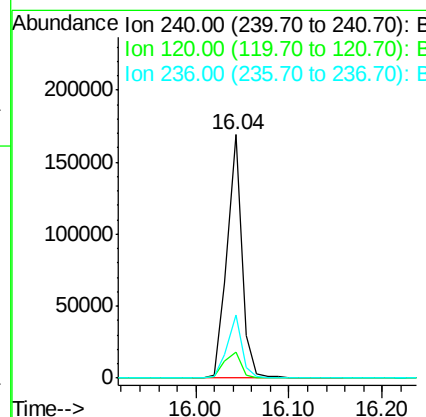
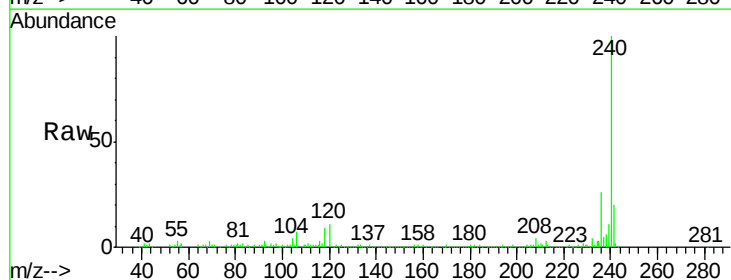
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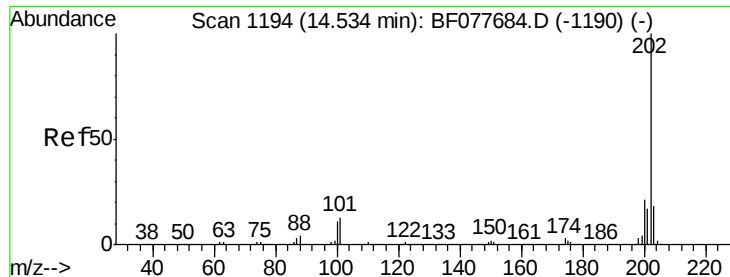
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	28.7
203	18.1	0.0	37.2



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.04 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: BF077860.D
 Acq: 20 Mar 2015 7:11

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.2	12.2
236	26.0	20.0	30.0





#77

Pvrene

Concen: 4.32 ng

RT: 14.52 min Scan# 1193

Delta R.T. -0.00 min

Lab File: BF077860.D

Acq: 20 Mar 2015 7:11

Instrument :

BNA_F

ClientSampleId :

COMP1B-1-B-5(0-6)RE

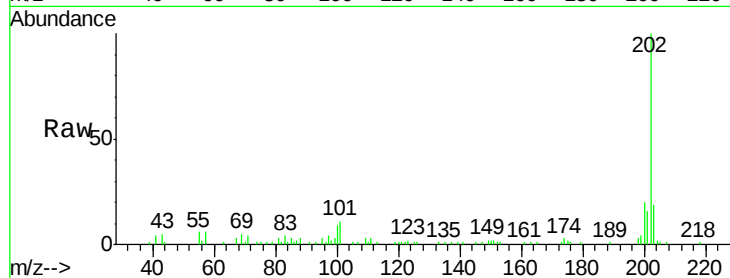
Tot Ion:202 Resp: 50987

Ion Ratio Lower Upper

202 100

200 20.4 16.9 25.3

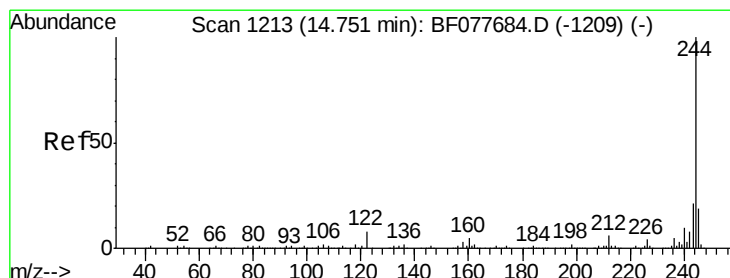
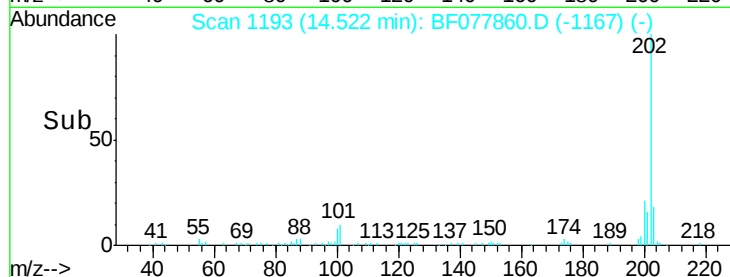
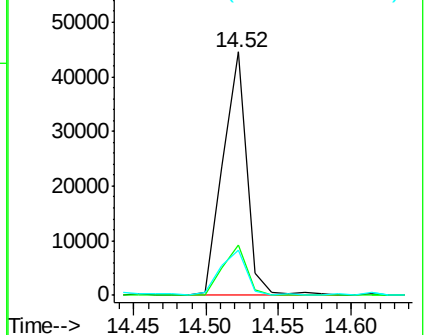
203 18.5 14.1 21.1



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: 6.74 ng

RT: 14.73 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF077860.D

Acq: 20 Mar 2015 7:11

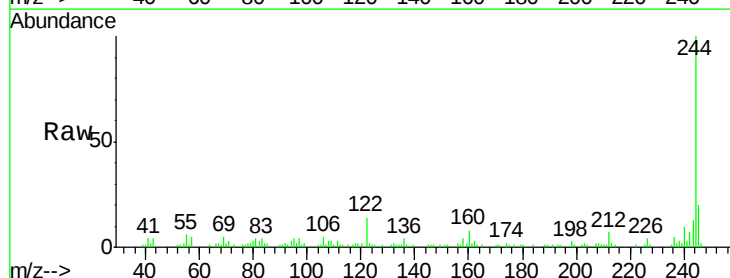
Tgt Ion:244 Resp: 51788

Ion Ratio Lower Upper

244 100

212 6.7 4.9 7.3

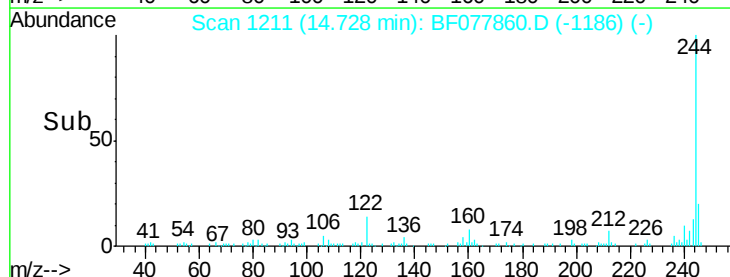
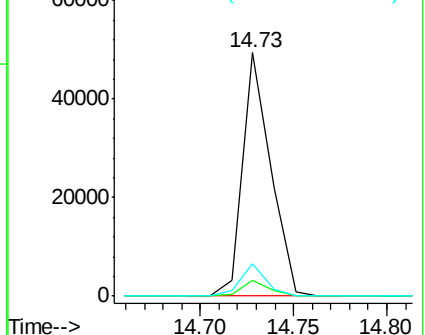
122 13.6 6.2 9.4#

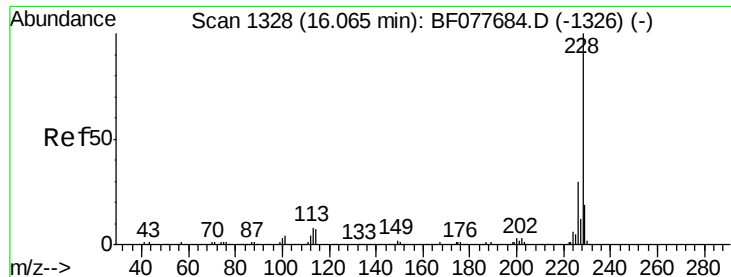


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

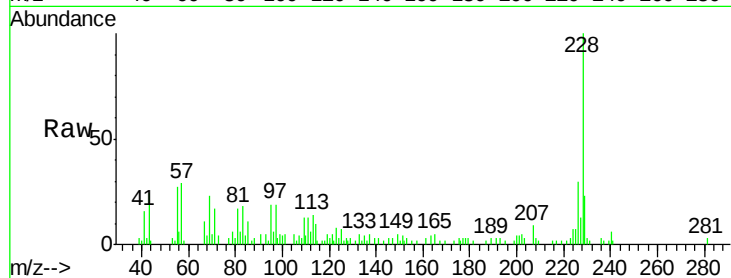




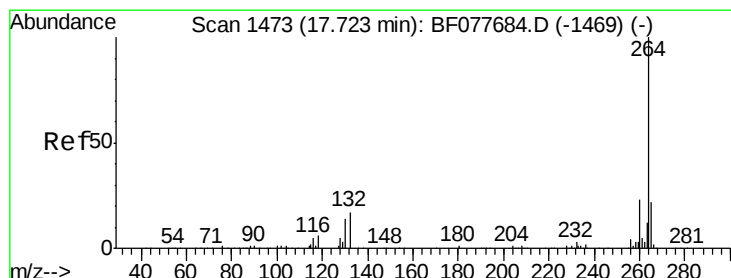
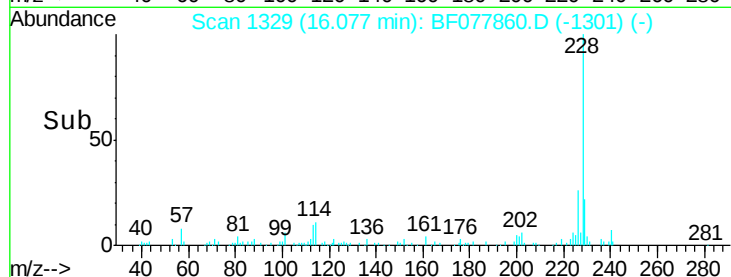
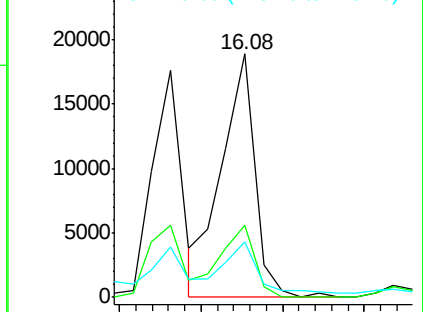
#82
 Chrysene
 Concen: 2.69 ng
 RT: 16.08 min Scan# 1329
 Delta R.T. 0.02 min
 Lab File: BF077860.D
 Acq: 20 Mar 2015 7:11

Instrument :
 BNA_F
 ClientSampleId :
 COMP1B-1-B-5(0-6)RE

Tot Ion:228 Resp: 26859
 Ion Ratio Lower Upper
 228 100
 226 29.6 24.1 36.1
 229 22.6 15.5 23.3

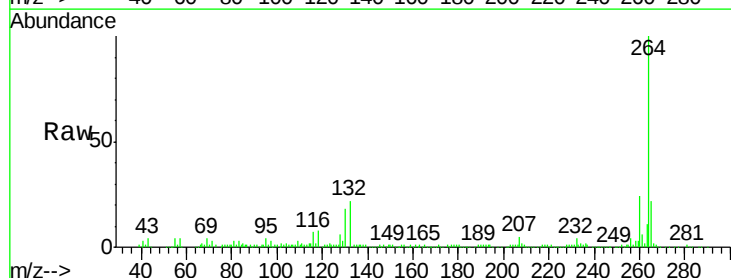


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

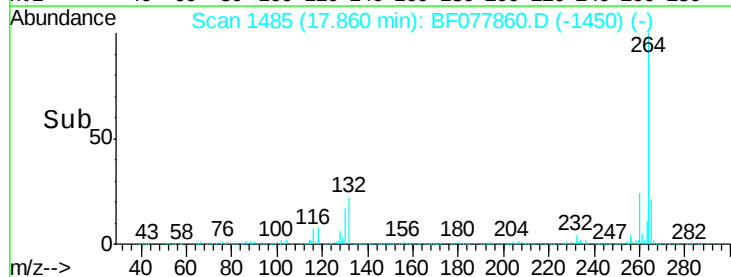
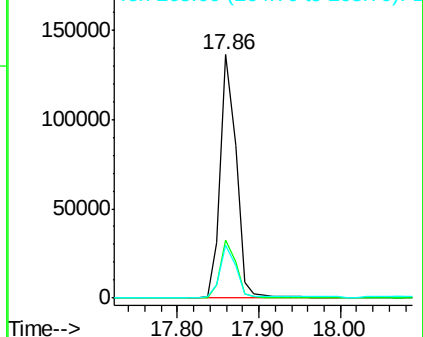


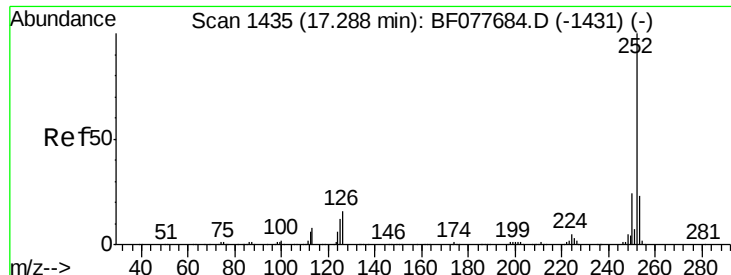
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.86 min Scan# 1485
 Delta R.T. 0.10 min
 Lab File: BF077860.D
 Acq: 20 Mar 2015 7:11

Tgt Ion:264 Resp: 186748
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.6 27.8
 265 21.7 17.3 25.9



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: 2.85 ng m
 RT: 17.39 min Scan# 1444
 Delta R.T. 0.08 min
 Lab File: BF077860.D
 Acq: 20 Mar 2015 7:11

Instrument :
 BNA_F
 ClientSampleId :
 COMP1B-1-B-5(0-6)RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.0	27.0
125	17.4	9.9	14.9

