

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042915\
 Data File : BF078838.D
 Acq On : 30 Apr 2015 5:10
 Operator : TP/IZ
 Sample : G2021-07
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PS-18-2-5

Quant Time: Apr 30 06:28:06 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 30 01:56:50 2015
 Response via : Initial Calibration

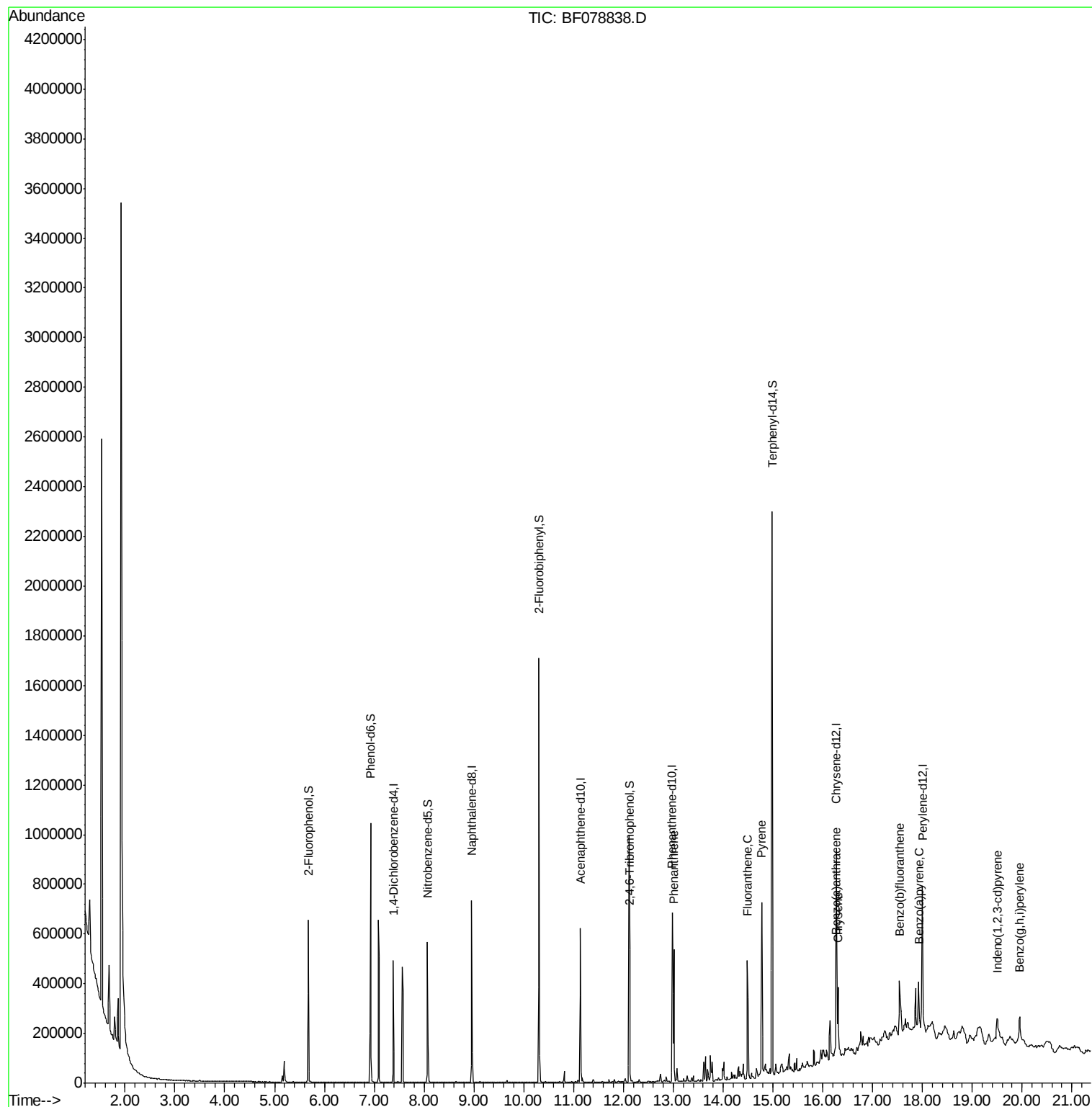
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	71825	20.00	ng	0.00
21) Naphthalene-d8	8.96	136	312117	20.00	ng	0.00
38) Acenaphthene-d10	11.14	164	150216	20.00	ng	0.00
63) Phenanthrene-d10	12.98	188	291168	20.00	ng	0.00
75) Chrysene-d12	16.27	240	318023	20.00	ng	-0.01
86) Perylene-d12	18.00	264	348424	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	209737	53.63	ng	0.01
7) Phenol-d6	6.92	99	329126	63.02	ng	0.00
23) Nitrobenzene-d5	8.07	82	170482	39.33	ng	0.00
41) 2,4,6-Tribromophenol	12.13	330	139936	95.17	ng	0.00
44) 2-Fluorobiphenyl	10.31	172	526361	47.99	ng	0.00
78) Terphenyl-d14	14.98	244	747433	55.97	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	13.02	178	213336	13.53	ng	99
74) Fluoranthene	14.49	202	254327	16.18	ng	98
77) Pyrene	14.78	202	289559	15.58	ng	98
80) Benzo(a)anthracene	16.26	228	132561	7.77	ng	99
82) Chrysene	16.31	228	115714	6.96	ng	99
85) Indeno(1,2,3-cd)pyrene	19.50	276	71878	3.81	ng	# 100
87) Benzo(b)fluoranthene	17.54	252	142060m	7.53	ng	
89) Benzo(a)pyrene	17.93	252	97344	5.77	ng	# 97
91) Benzo(g,h,i)perylene	19.95	276	74069	4.22	ng	98

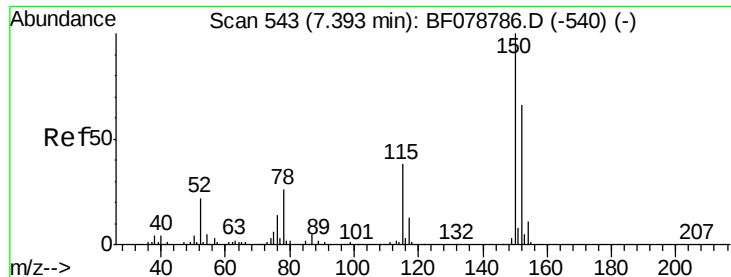
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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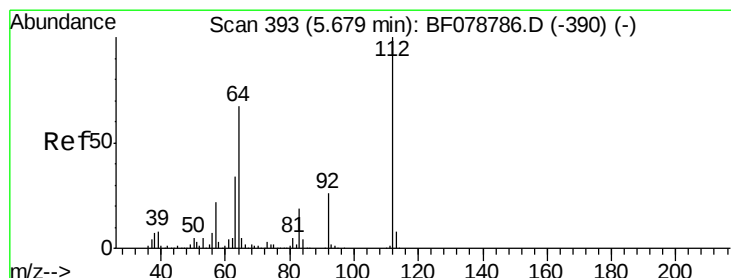
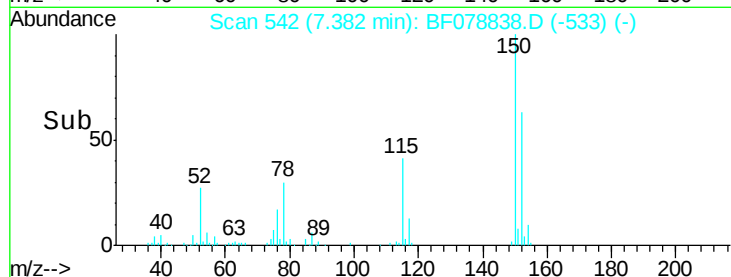
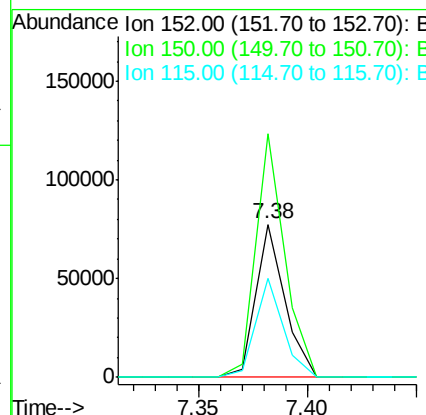
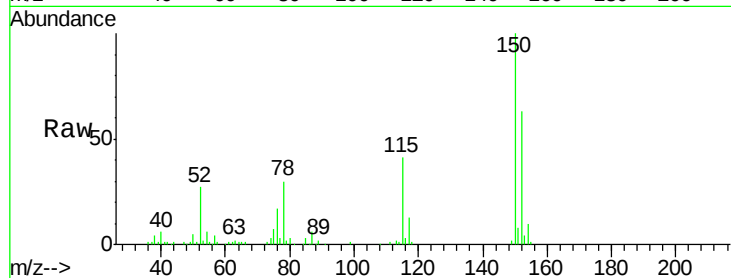


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF078838.D
Acq: 30 Apr 2015 5:10

Instrument :
BNA_F
ClientSampleId :
PS-18-2-5

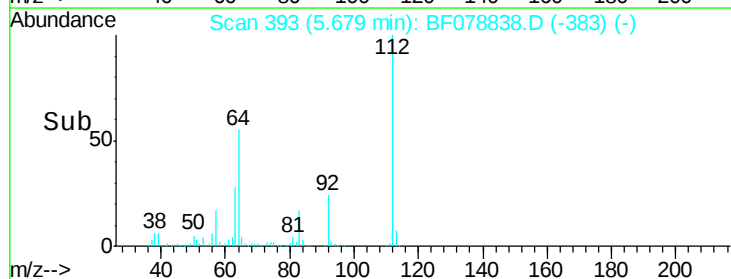
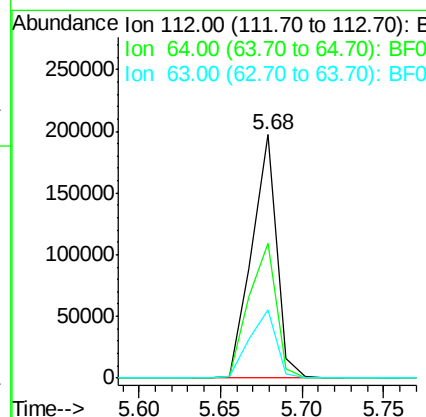
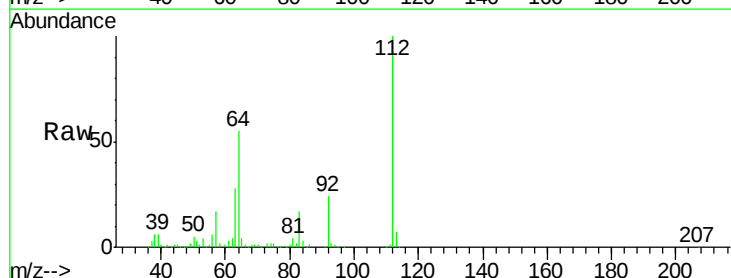
Tot Ion:152 Resp: 71825
Ion Ratio Lower Upper
152 100
150 158.8 122.0 183.0
115 64.9 46.3 69.5

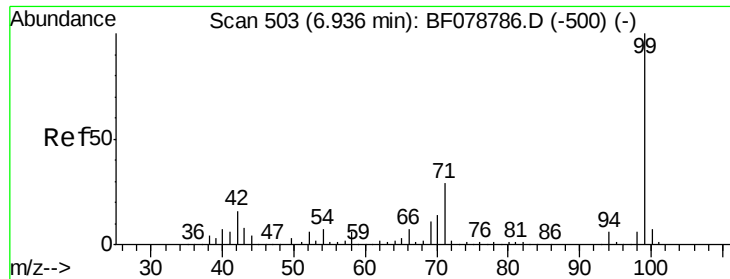


#5

2-Fluorophenol
Concen: 53.63 ng
RT: 5.68 min Scan# 393
Delta R.T. 0.01 min
Lab File: BF078838.D
Acq: 30 Apr 2015 5:10

Tgt Ion:112 Resp: 209737
Ion Ratio Lower Upper
112 100
64 55.3 53.5 80.3
63 28.2 27.5 41.3





#7

Phenol-d6

Concen: 63.02 ng

RT: 6.92 min Scan# 502

Delta R.T. 0.00 min

Lab File: BF078838.D

Acq: 30 Apr 2015 5:10

Instrument :

BNA_F

ClientSampled :

PS-18-2-5

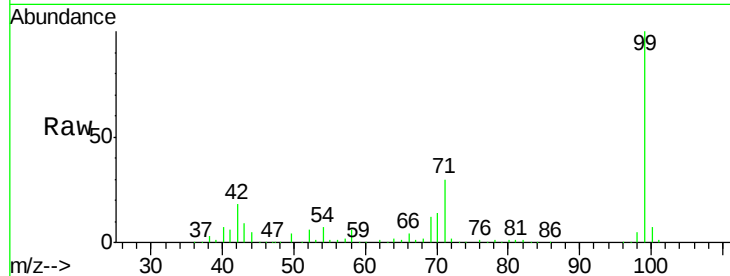
Tot Ion: 99 Resp: 329126

Ion Ratio Lower Upper

99 100

42 17.9 12.8 19.2

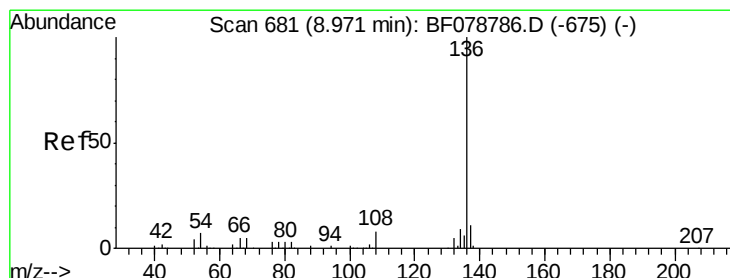
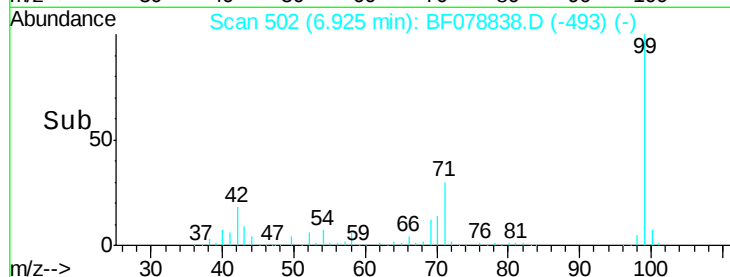
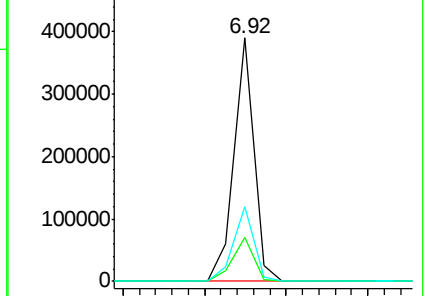
71 30.4 23.4 35.2



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: 8.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: BF078838.D

Acq: 30 Apr 2015 5:10

Tgt Ion: 136 Resp: 312117

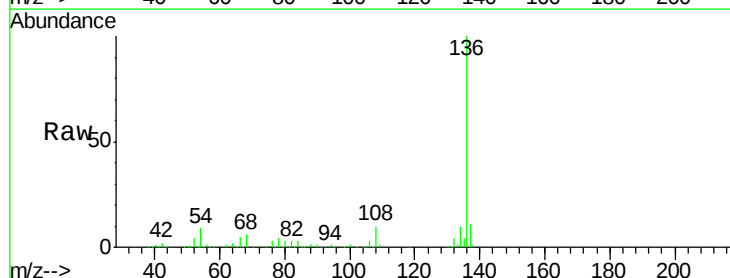
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 8.5 5.8 8.8

68 6.0 4.2 6.4

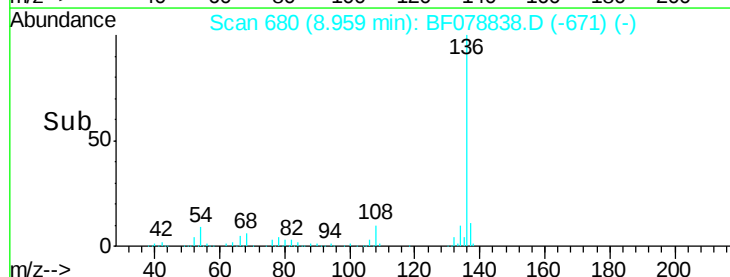
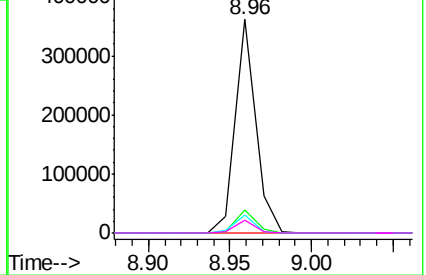


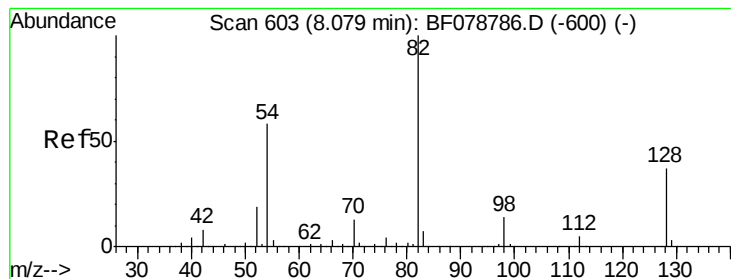
Abundance Ion 136.00 (135.70 to 136.70): E

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: 39.33 ng

RT: 8.07 min Scan# 602

Delta R.T. 0.00 min

Lab File: BF078838.D

Acq: 30 Apr 2015 5:10

Instrument :

BNA_F

ClientSampleId :

PS-18-2-5

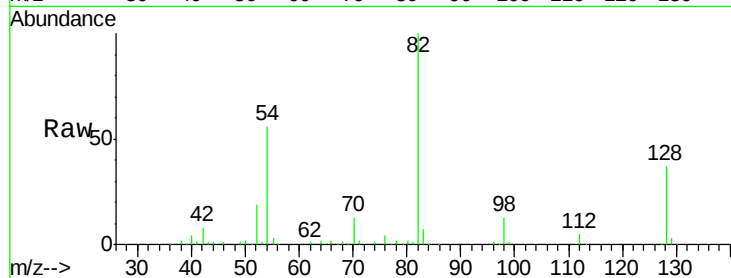
Tot Ion: 82 Resp: 170482

Ion Ratio Lower Upper

82 100

128 36.9 30.0 45.0

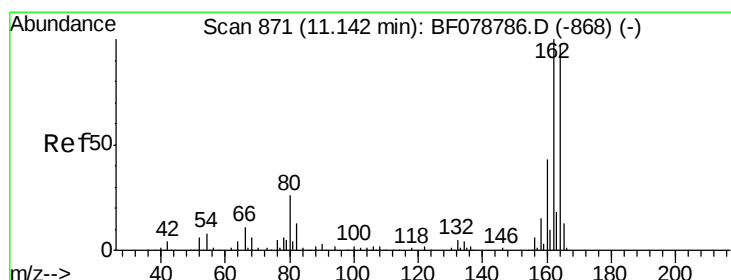
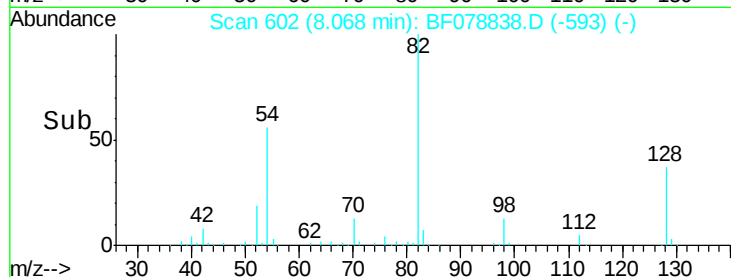
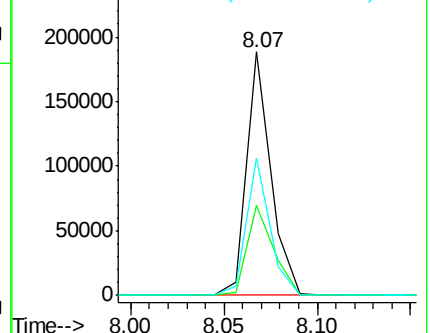
54 56.2 46.4 69.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.14 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF078838.D

Acq: 30 Apr 2015 5:10

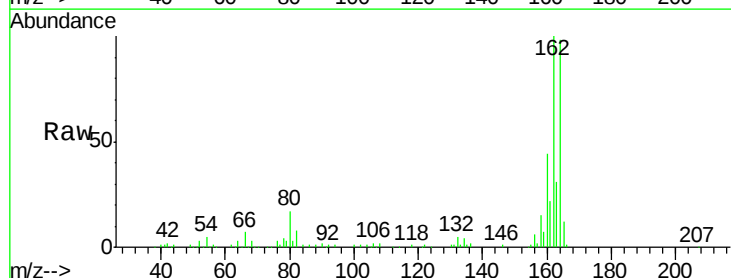
Tgt Ion: 164 Resp: 150216

Ion Ratio Lower Upper

164 100

162 101.6 82.7 124.1

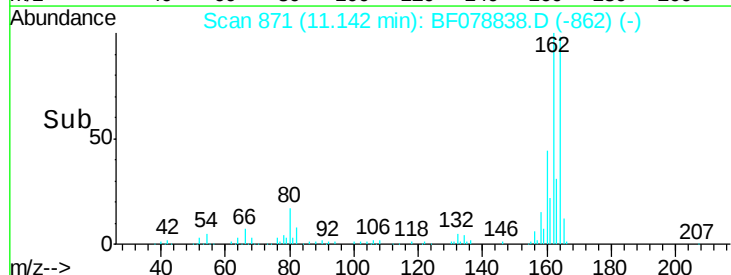
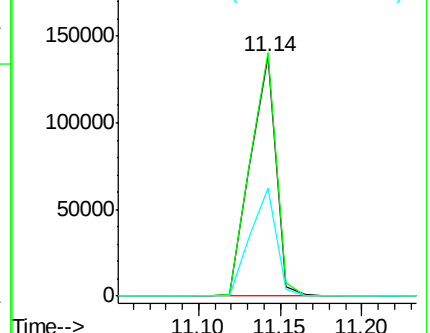
160 44.9 35.8 53.8

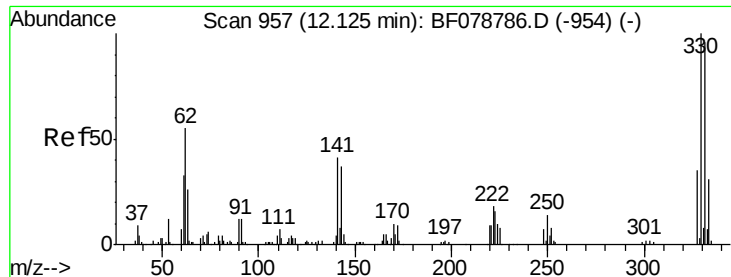


Abundance Ion 164.00 (163.70 to 164.70): BF0

Ion 162.00 (161.70 to 162.70): BF0

Ion 160.00 (159.70 to 160.70): BF0

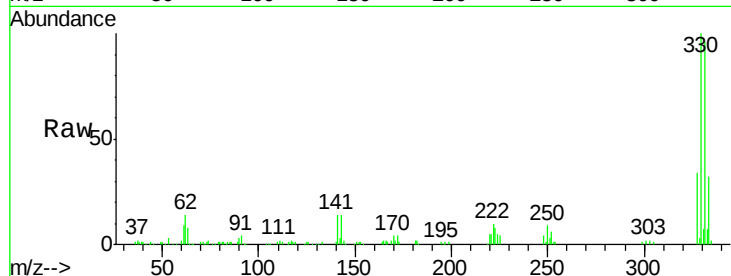




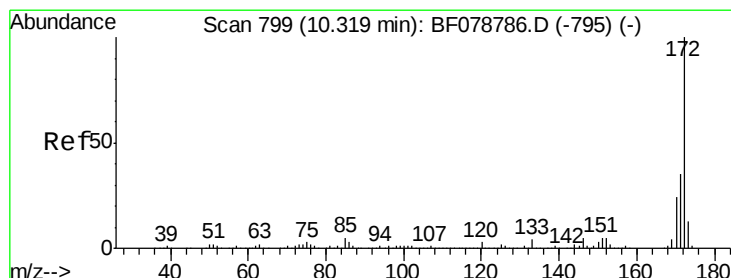
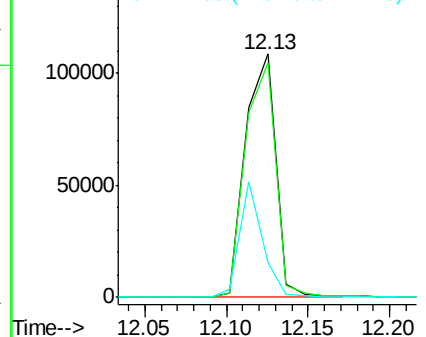
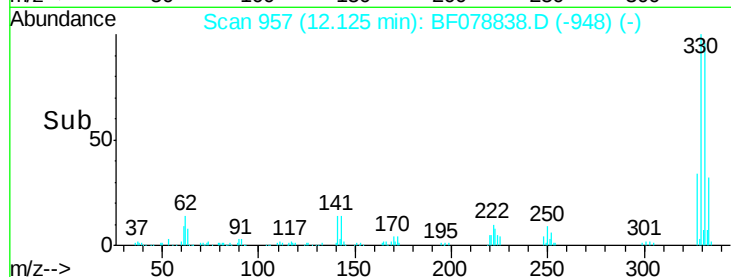
#41
 2,4,6-Tribromophenol
 Concen: 95.17 ng
 RT: 12.13 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: BF078838.D
 Acq: 30 Apr 2015 5:10

Instrument :
 BNA_F
 ClientSampleId :
 PS-18-2-5

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	0.0	0.0#
141	35.7	0.0	0.0#

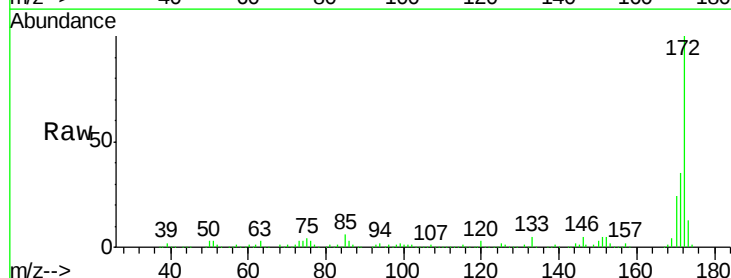


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

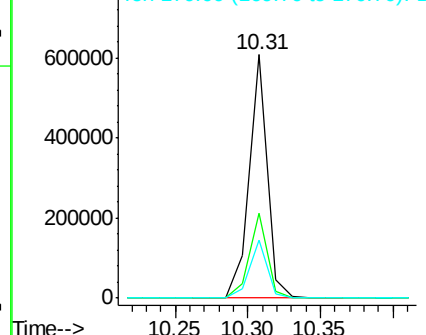
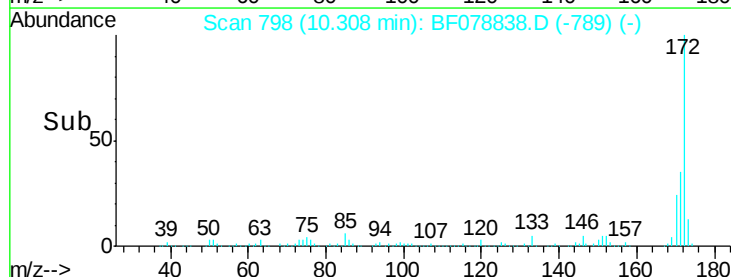


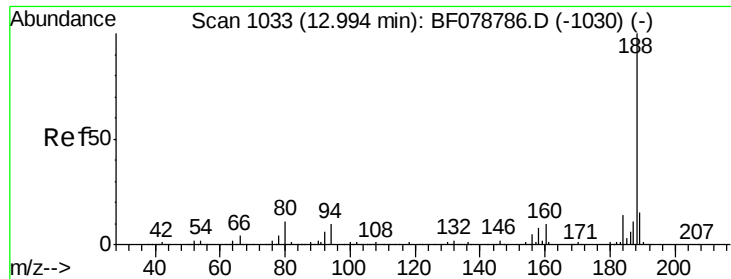
#44
 2-Fluorobiphenyl
 Concen: 47.99 ng
 RT: 10.31 min Scan# 798
 Delta R.T. 0.00 min
 Lab File: BF078838.D
 Acq: 30 Apr 2015 5:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.9	41.9
170	23.7	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

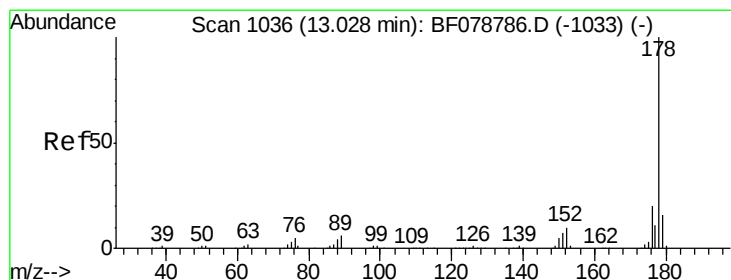
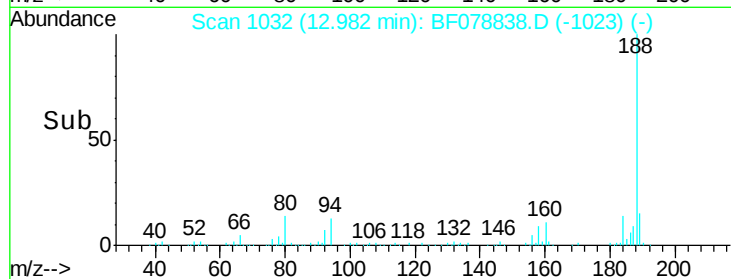
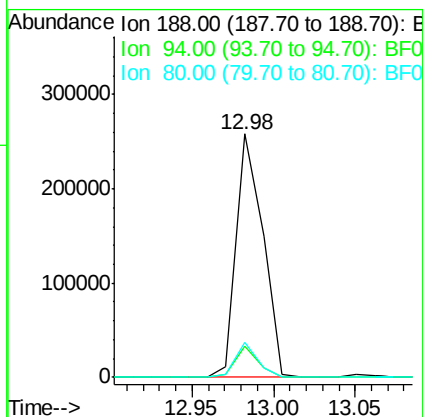
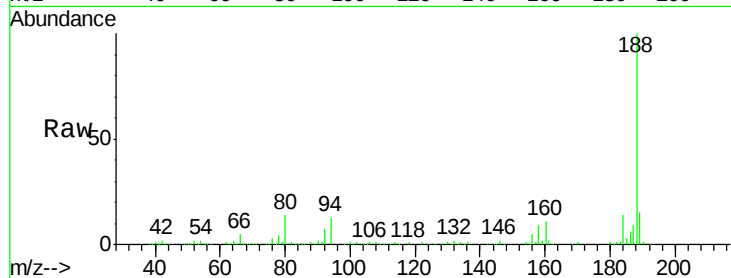




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.98 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: BF078838.D
 Acq: 30 Apr 2015 5:10

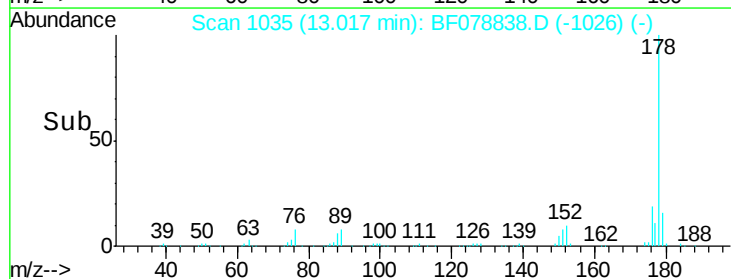
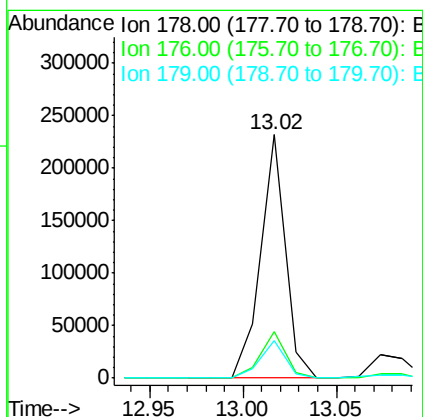
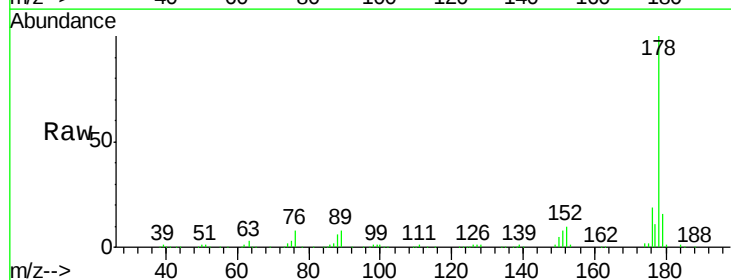
Instrument :
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 PS-18-2-5

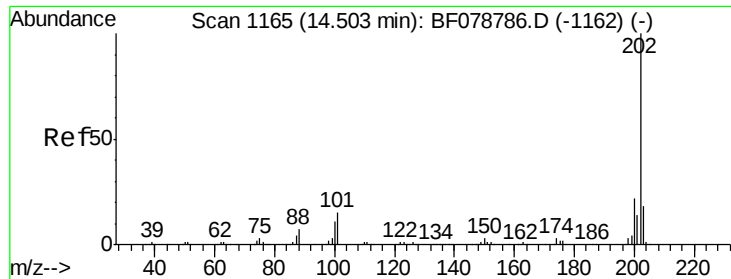
Tot Ion	Ratio	Lower	Upper
188	100		
94	12.6	8.2	12.2#
80	14.3	8.9	13.3#



#70
 Phenanthrene
 Concen: 13.53 ng
 RT: 13.02 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BF078838.D
 Acq: 30 Apr 2015 5:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.7	12.5	18.7





#74

Fluoranthene

Concen: 16.18 ng

RT: 14.49 min Scan# 1164

Delta R.T. 0.00 min

Lab File: BF078838.D

Acq: 30 Apr 2015 5:10

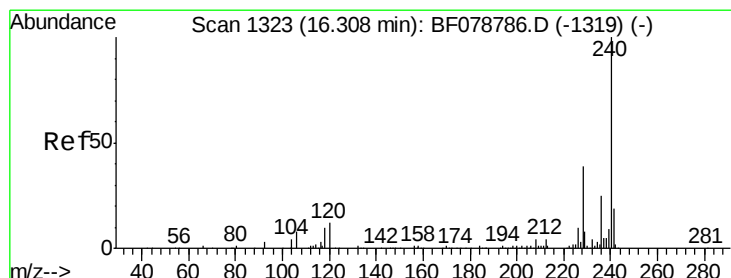
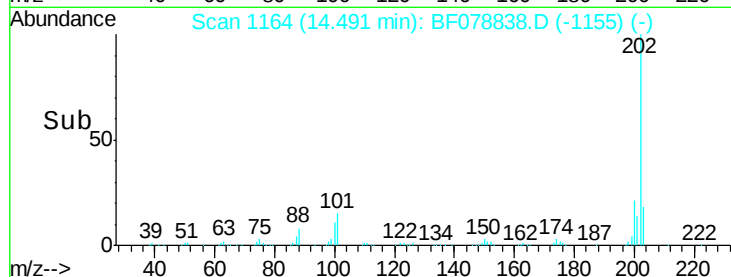
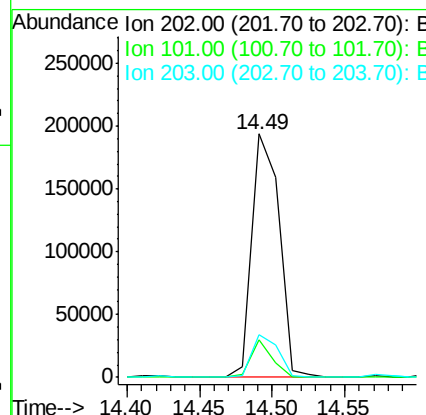
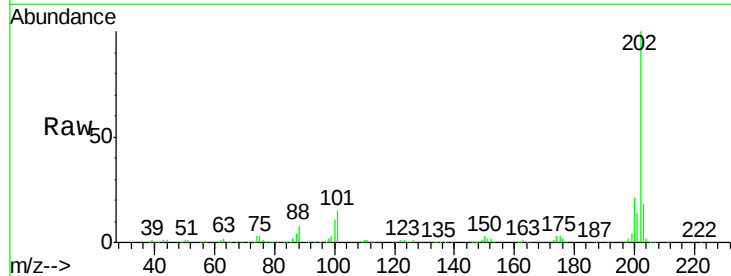
Instrument :

BNA_F

ClientSampleId :

PS-18-2-5

Tot Ion:	202	Resp:	254327
Ion	Ratio	Lower	Upper
202	100		
101	15.2	0.0	34.6
203	17.7	0.0	38.4



#75

Chrysene-d12

Concen: 20.00 ng

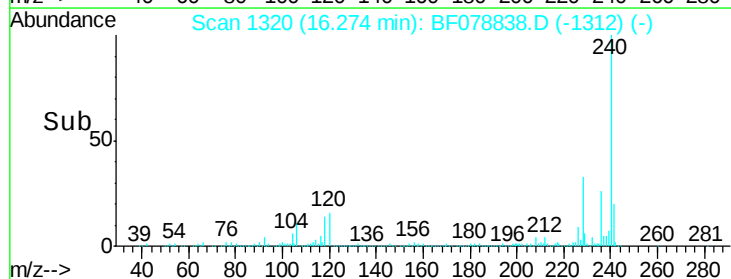
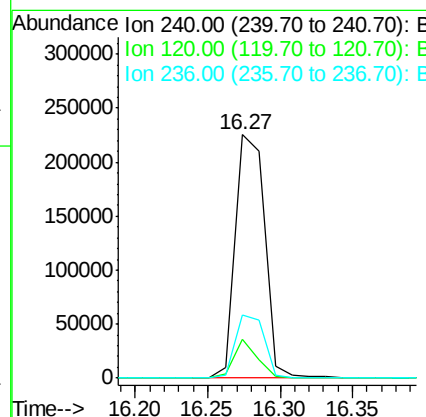
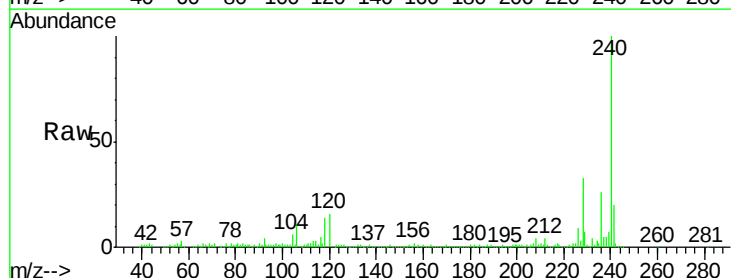
RT: 16.27 min Scan# 1320

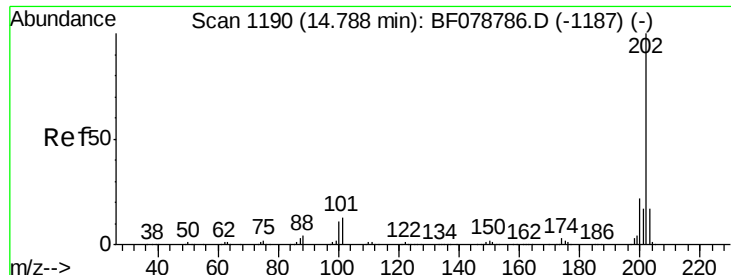
Delta R.T. -0.01 min

Lab File: BF078838.D

Acq: 30 Apr 2015 5:10

Tgt Ion:	240	Resp:	318023
Ion	Ratio	Lower	Upper
240	100		
120	16.1	9.7	14.5#
236	26.1	20.2	30.4





#77

Pvrene

Concen: 15.58 ng

RT: 14.78 min Scan# 1189

Delta R.T. 0.00 min

Lab File: BF078838.D

Acq: 30 Apr 2015 5:10

Instrument :

BNA_F

ClientSampleId :

PS-18-2-5

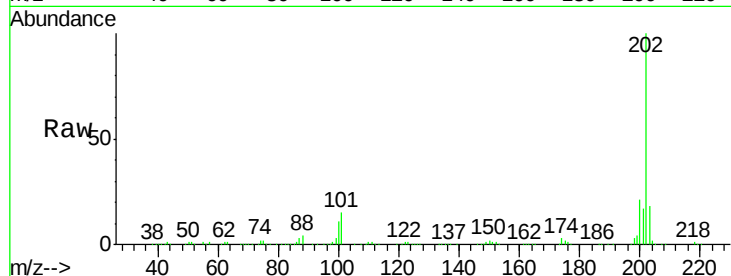
Tot Ion:202 Resp: 289559

Ion Ratio Lower Upper

202 100

200 20.8 17.5 26.3

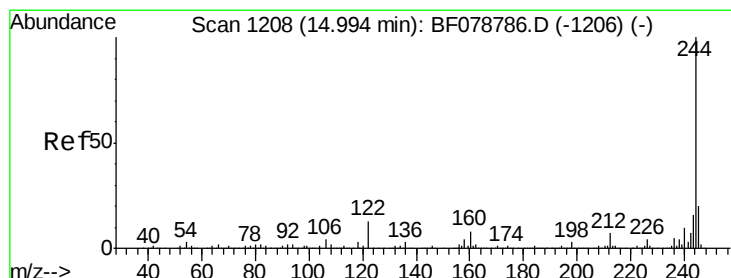
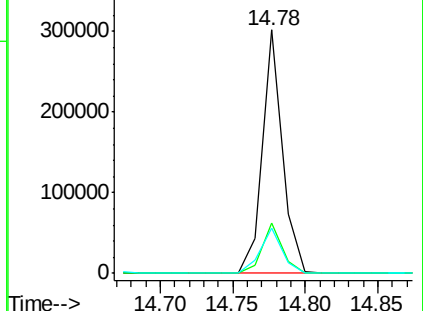
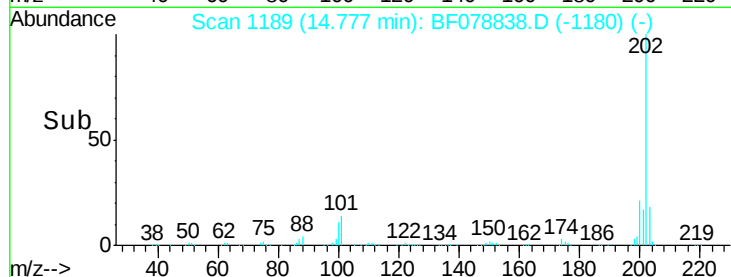
203 18.4 13.9 20.9



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: 55.97 ng

RT: 14.98 min Scan# 1207

Delta R.T. 0.00 min

Lab File: BF078838.D

Acq: 30 Apr 2015 5:10

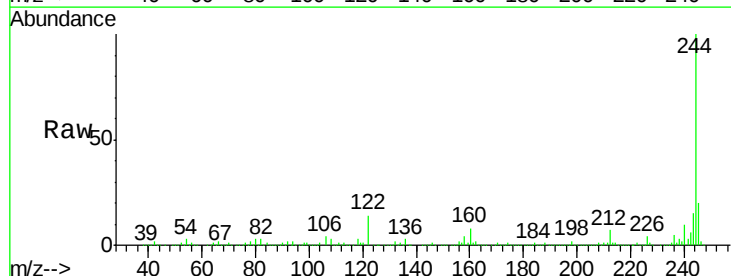
Tgt Ion:244 Resp: 747433

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

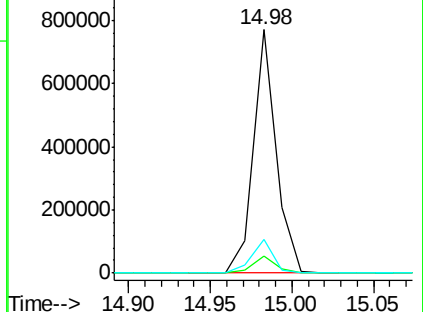
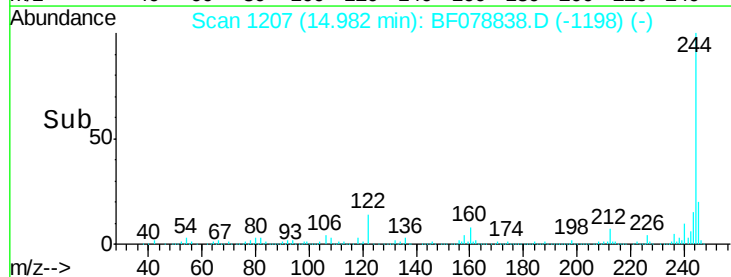
122 13.8 10.3 15.5

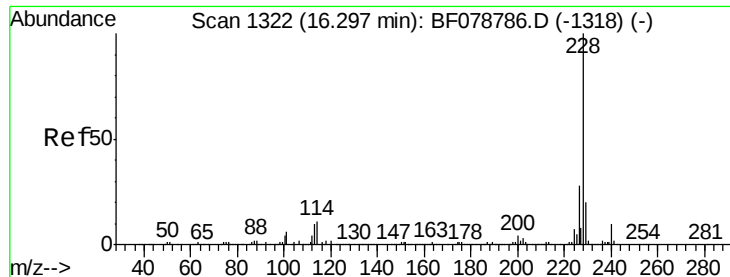


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

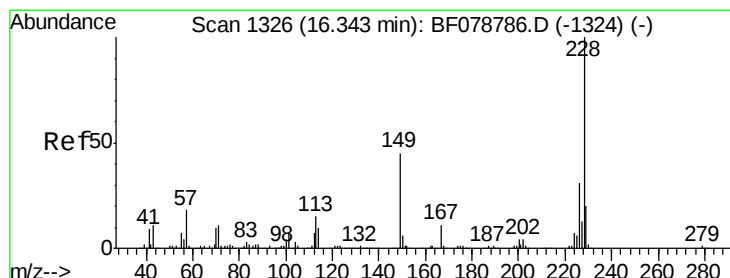
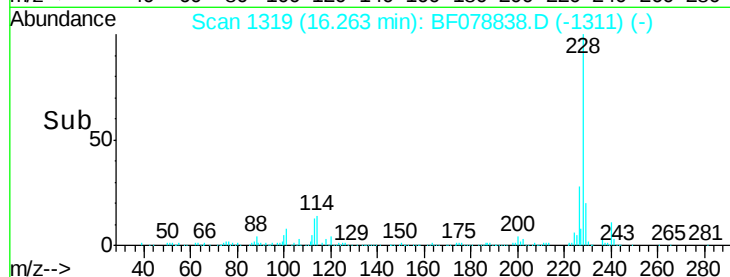
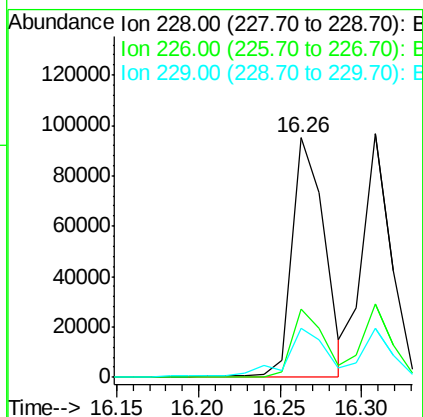
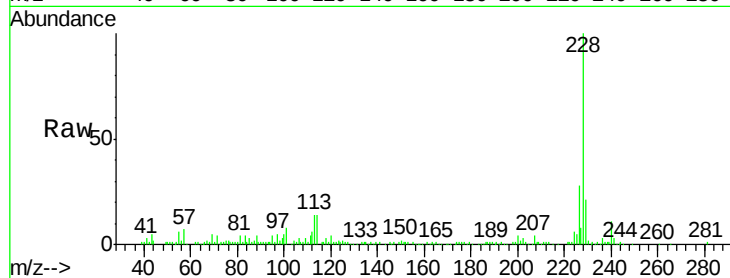




#80
Benzo(a)anthracene
Concen: 7.77 ng
RT: 16.26 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF078838.D
Acq: 30 Apr 2015 5:10

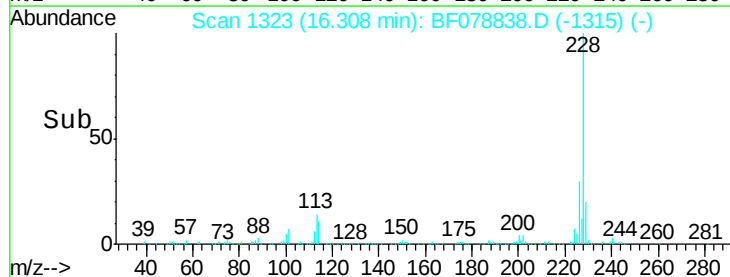
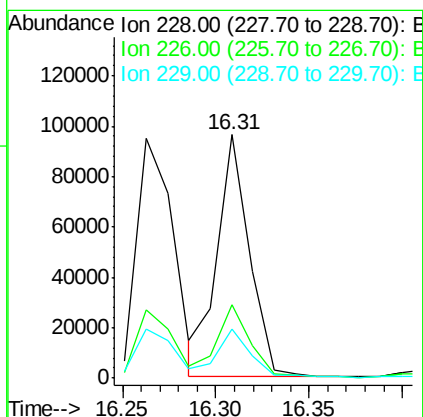
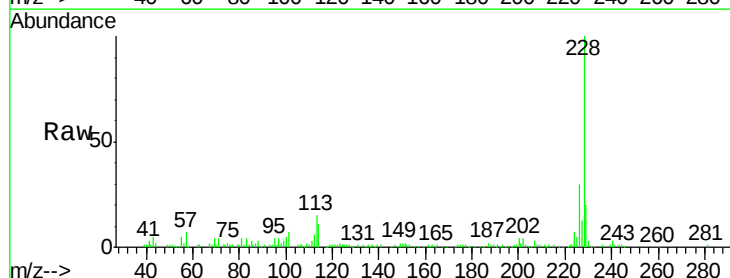
Instrument :
BNA_F
ClientSampleId :
PS-18-2-5

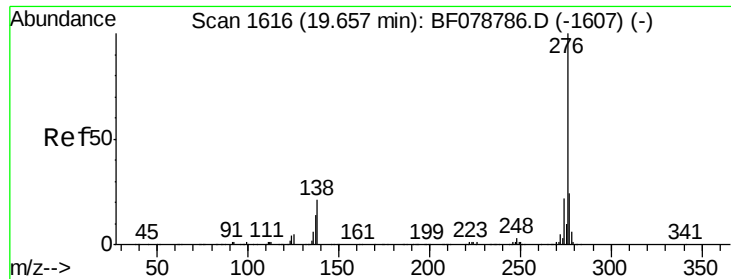
Tot Ion:228 Resp: 132561
Ion Ratio Lower Upper
228 100
226 28.3 22.6 33.8
229 20.5 15.9 23.9



#82
Chrysene
Concen: 6.96 ng
RT: 16.31 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF078838.D
Acq: 30 Apr 2015 5:10

Tgt Ion:228 Resp: 115714
Ion Ratio Lower Upper
228 100
226 30.1 24.9 37.3
229 20.3 16.0 24.0

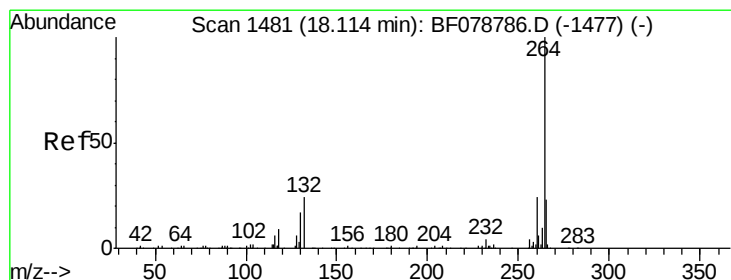
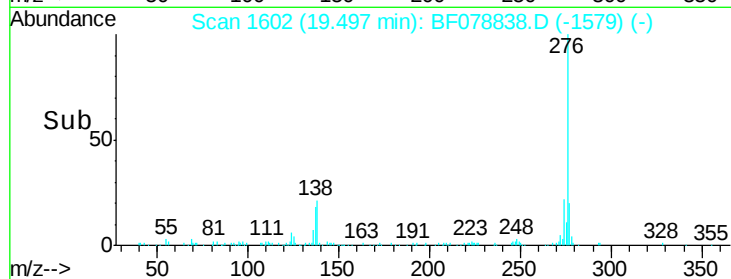
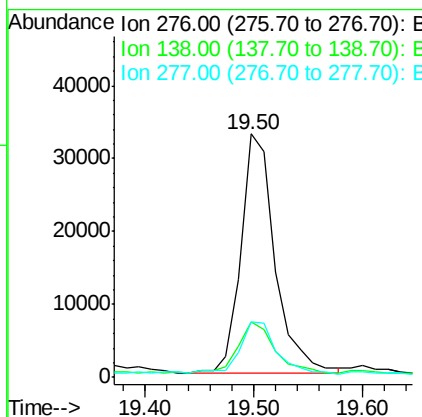
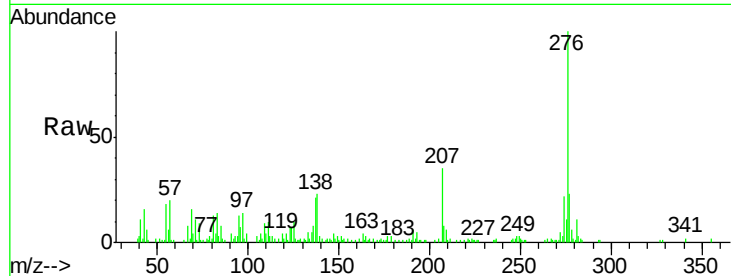




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.81 ng
RT: 19.50 min Scan# 1602
Delta R.T. -0.03 min
Lab File: BF078838.D
Acq: 30 Apr 2015 5:10

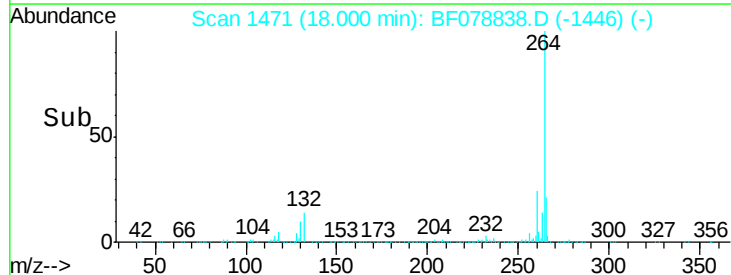
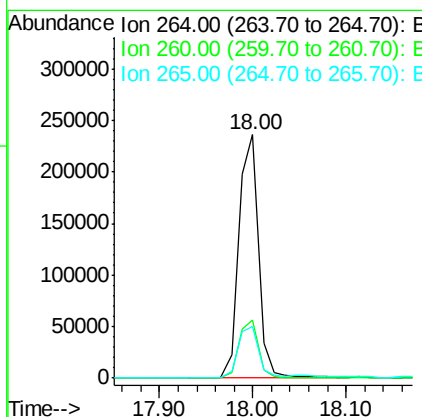
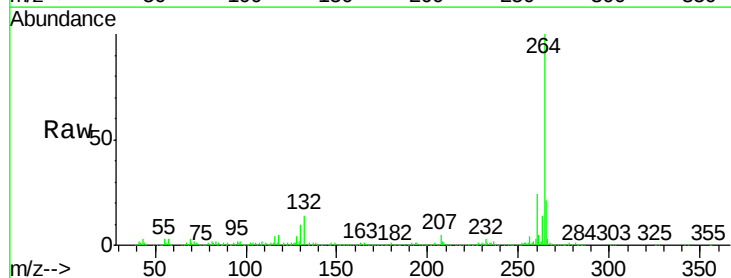
Instrument :
BNA_F
ClientSampleId :
PS-18-2-5

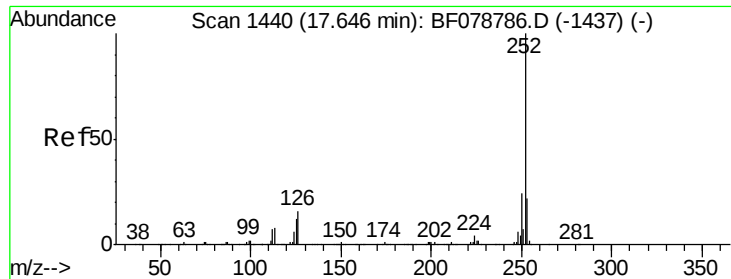
Tot Ion:276 Resp: 71878
Ion Ratio Lower Upper
276 100
138 22.2 0.0 0.0#
277 25.9 0.0 0.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 18.00 min Scan# 1471
Delta R.T. -0.01 min
Lab File: BF078838.D
Acq: 30 Apr 2015 5:10

Tgt Ion:264 Resp: 348424
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 21.4 18.3 27.5

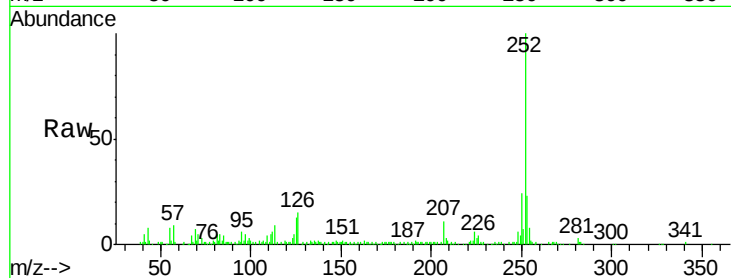




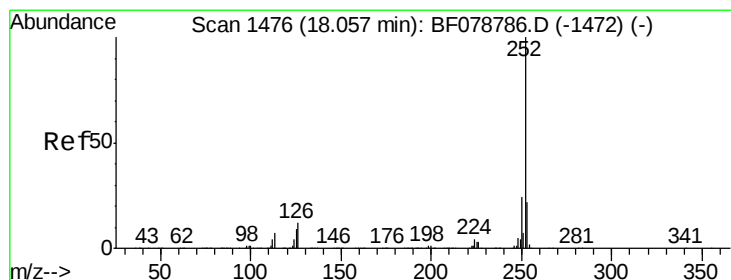
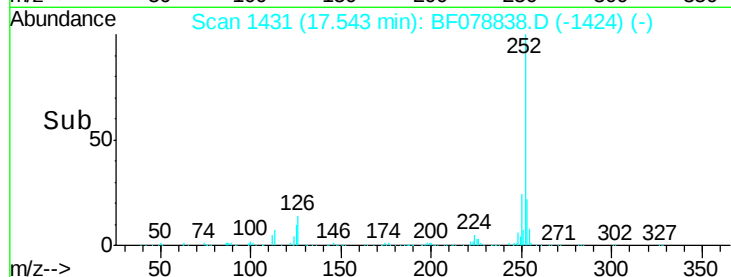
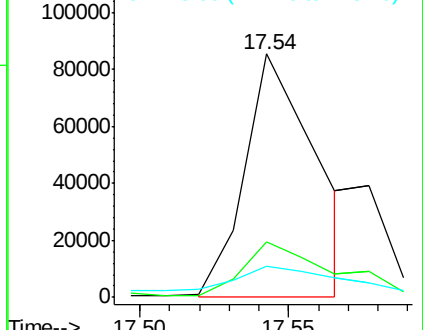
#87
Benzo(b)fluoranthene
Concen: 7.53 ng m
RT: 17.54 min Scan# 1431
Delta R.T. -0.02 min
Lab File: BF078838.D
Acq: 30 Apr 2015 5:10

Instrument :
BNA_F
ClientSampled :
PS-18-2-5

Tot Ion:252 Resp: 142060
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 12.8 9.5 14.3

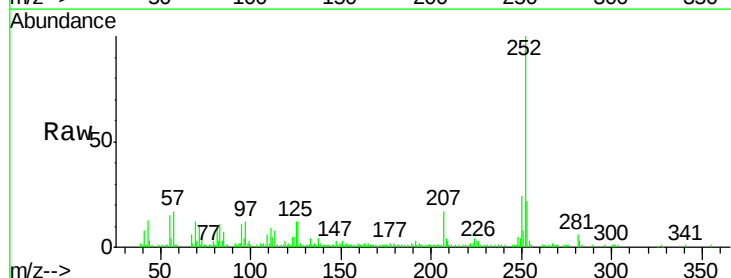


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

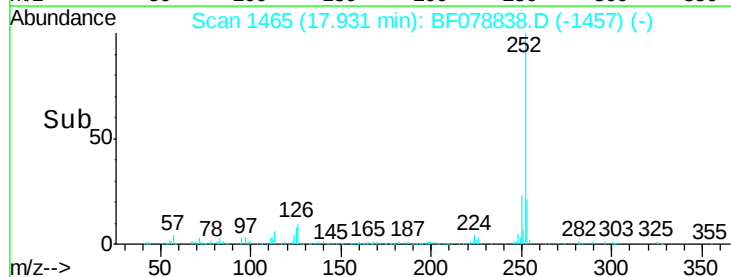
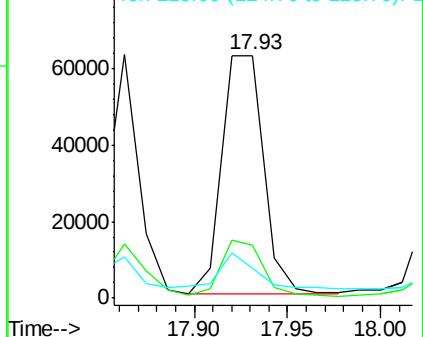


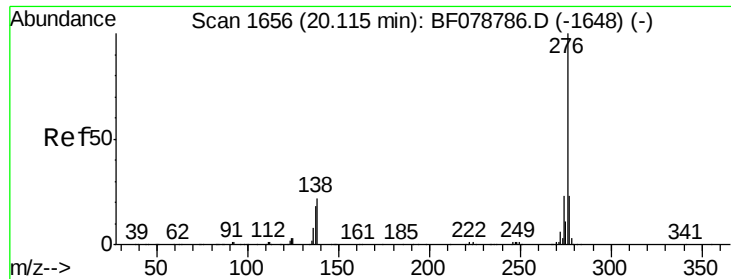
#89
Benzo(a)pyrene
Concen: 5.77 ng
RT: 17.93 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF078838.D
Acq: 30 Apr 2015 5:10

Tgt Ion:252 Resp: 97344
Ion Ratio Lower Upper
252 100
253 21.8 17.3 25.9
125 12.3 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(a,h,i)perylene
 Concen: 4.22 ng
 RT: 19.95 min Scan# 1642
 Delta R.T. -0.03 min
 Lab File: BF078838.D
 Acq: 30 Apr 2015 5:10

Instrument :
 BNA_F
 ClientSampleId :
 PS-18-2-5

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	28.0
138	22.0	17.4	26.0

