

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042915\
 Data File : BF078838.D
 Acq On : 30 Apr 2015 5:10
 Operator : TP/IZ
 Sample : G2021-11
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

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

Quant Time: Apr 30 06:09:43 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

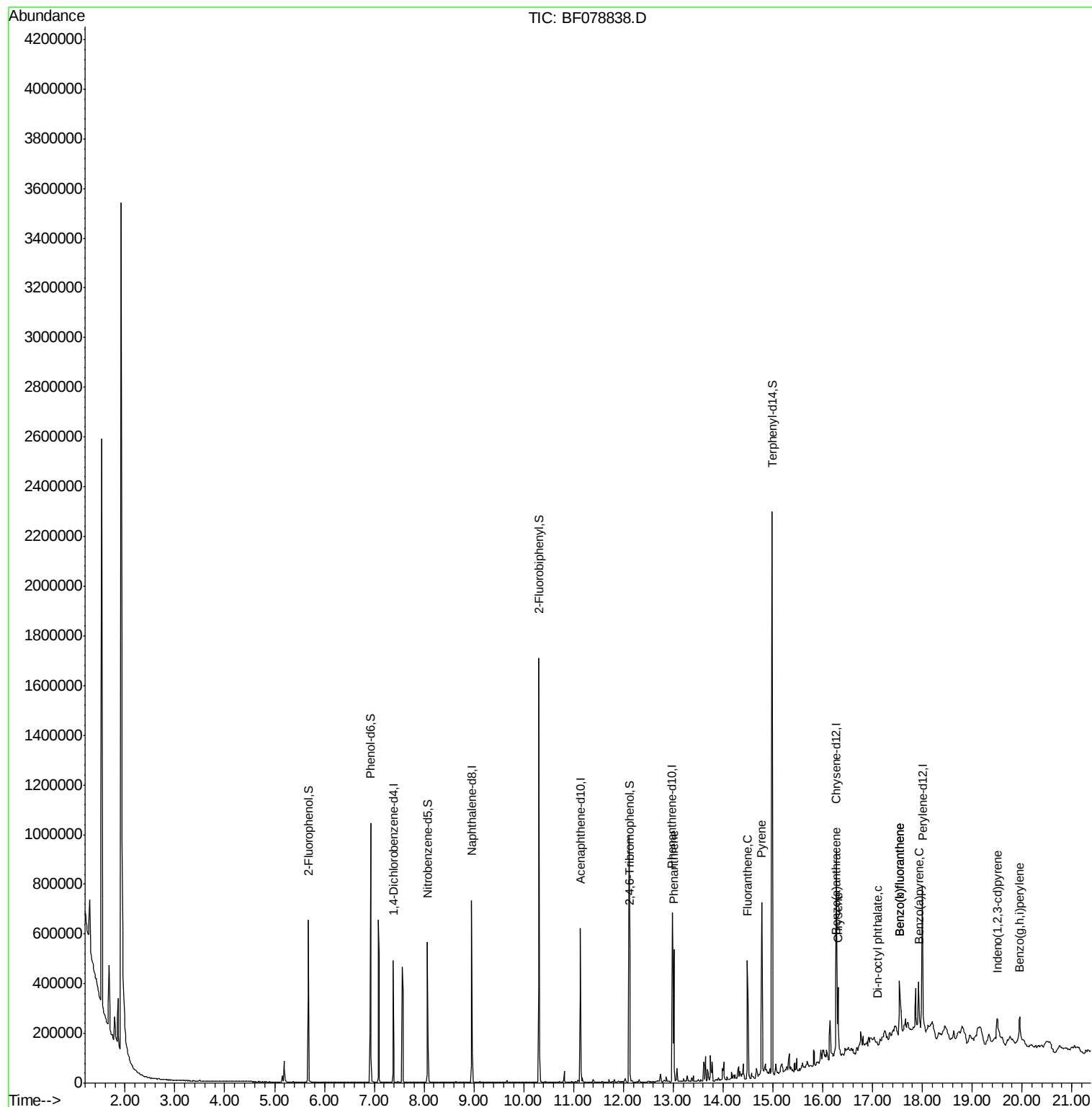
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	71825	20.00	ng	0.00
21) Naphthalene-d8	8.96	136	312117	20.00	ng	0.00
38) Acenaphthene-d10	11.14	164	150216	20.00	ng	0.00
63) Phenanthrene-d10	12.98	188	291168	20.00	ng	0.00
75) Chrysene-d12	16.27	240	318023	20.00	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
84) Di-n-octyl phthalate	17.10	149	831	6.98	ng	# 100
85) Indeno(1,2,3-cd)pyrene	19.50	276	71878	3.81	ng	# 100
87) Benzo(b)fluoranthene	17.54	252	174266	9.24	ng	98
88) Benzo(k)fluoranthene	17.54	252	175529	9.60	ng	99
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

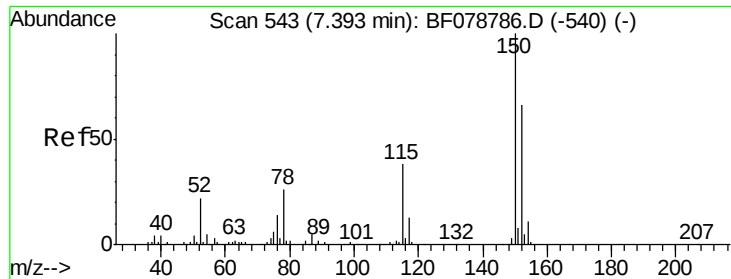
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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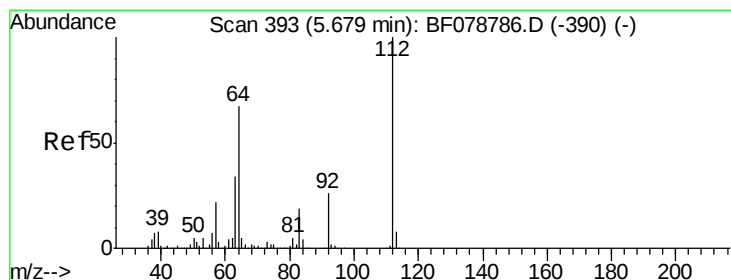
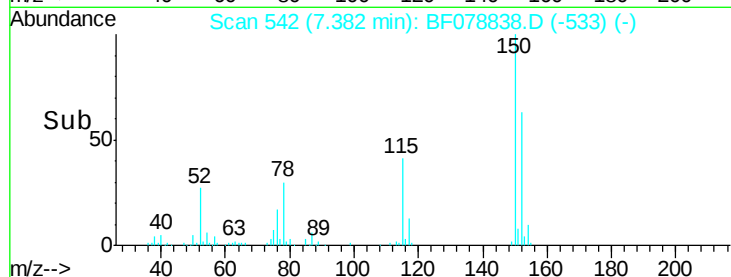
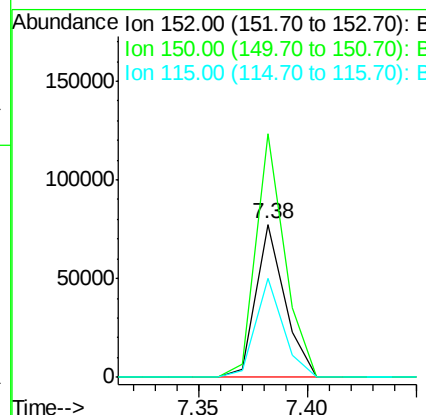
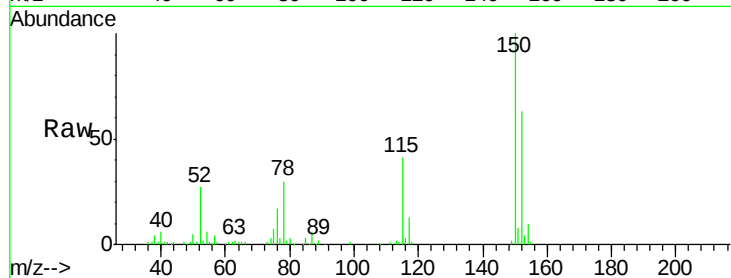




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.38 min Scan# 542
 Delta R.T. 0.00 min
 Lab File: BF078838.D
 Acq: 30 Apr 2015 5:10

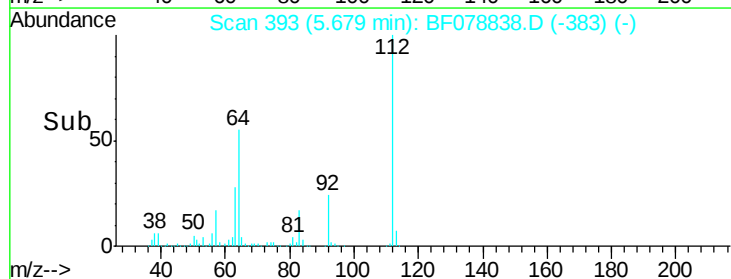
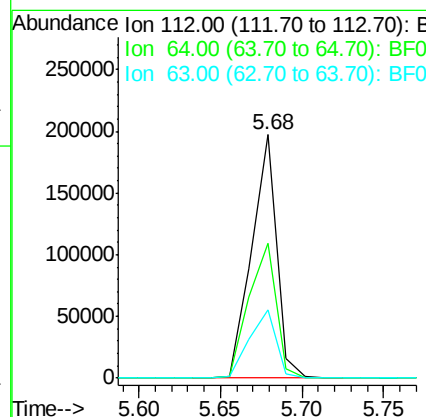
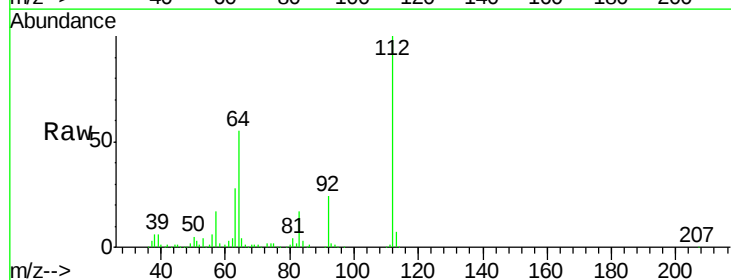
Instrument :
 BNA_F
 ClientSampleId :
 PS-18-2-5

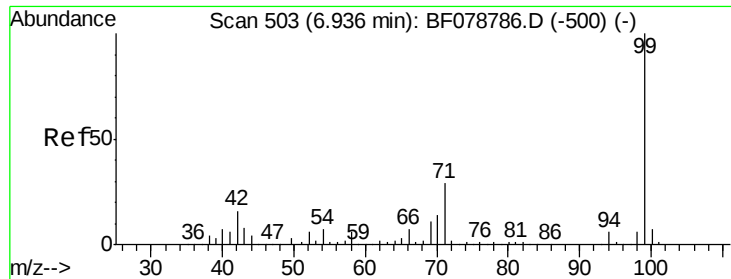
Tgt Ion:152 Resp: 71825
 Ion Ratio Lower Upper
 152 100
 150 158.8 122.0 183.0
 115 64.9 46.3 69.5



#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

ClientSampleId :

PS-18-2-5

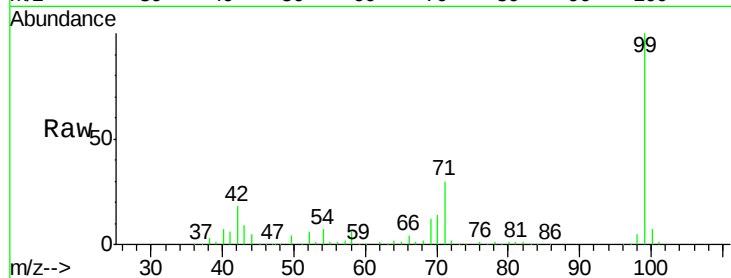
Tgt Ion: 99 Resp: 329126

Ion Ratio Lower Upper

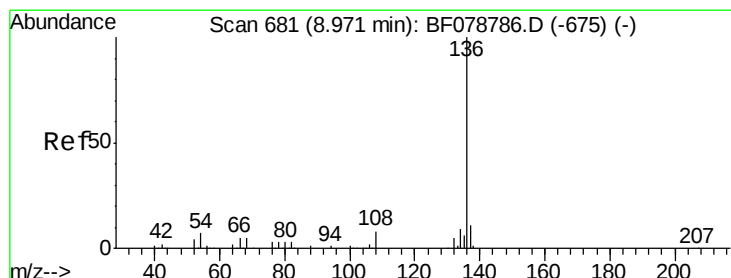
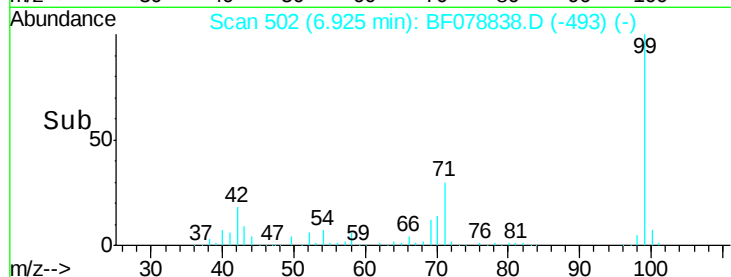
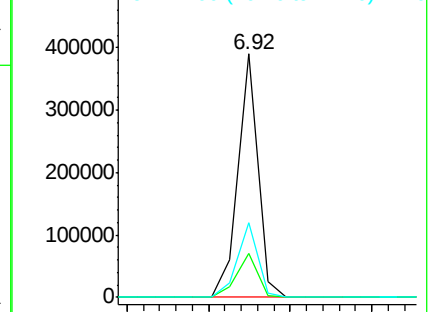
99 100

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

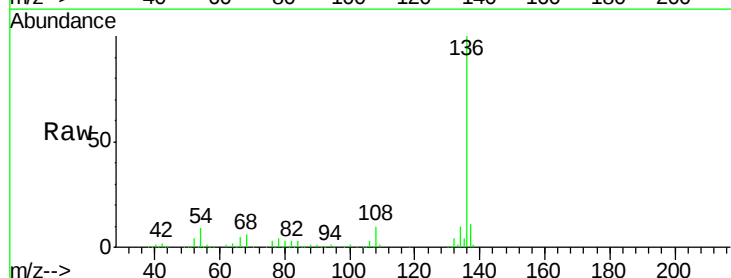
Ion Ratio Lower Upper

136 100

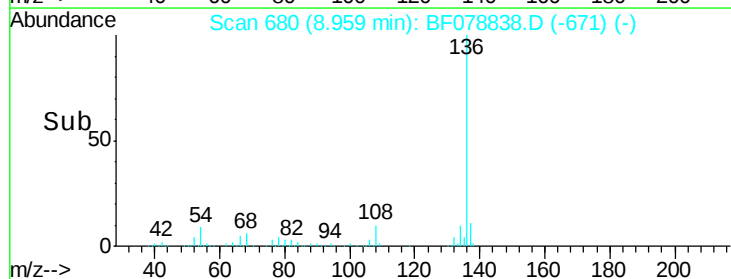
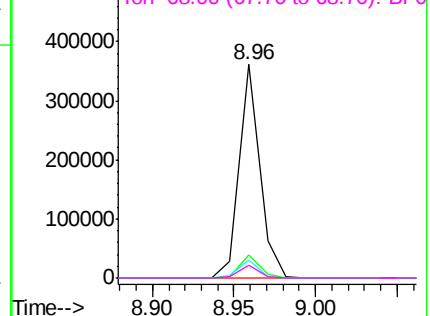
137 11.0 8.7 13.1

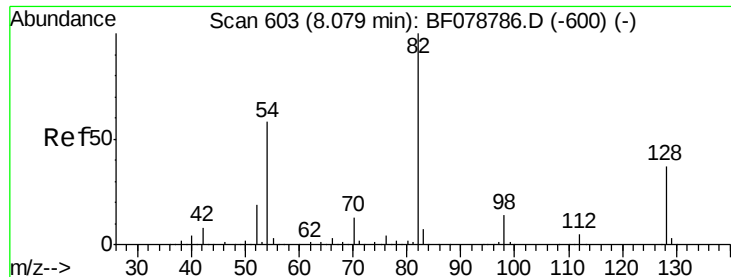
54 8.5 5.8 8.8

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

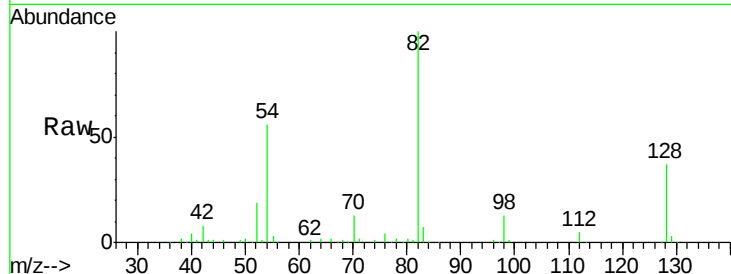




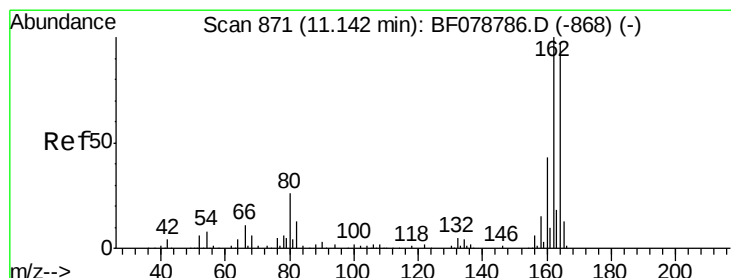
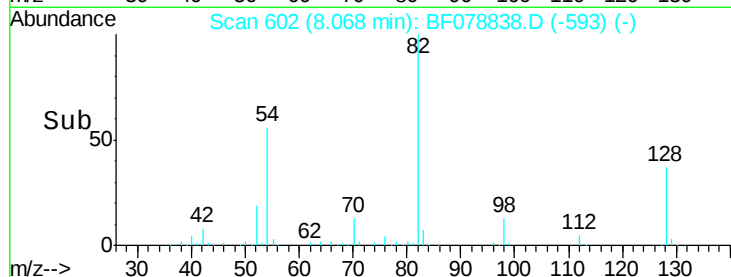
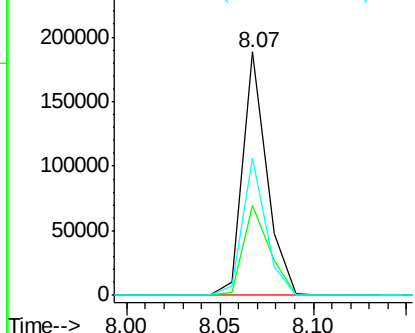
#23
 Nitrobenzene-d5
 Concen: 39.33 ng
 RT: 8.07 min Scan# 602
 Delta R.T. 0.00 min
 Lab File: BF078838.D
 Acq: 30 Apr 2015 5:10

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

Tgt Ion: 82 Resp: 170482
 Ion Ratio Lower Upper
 82 100
 128 36.9 30.0 45.0
 54 56.2 46.4 69.6

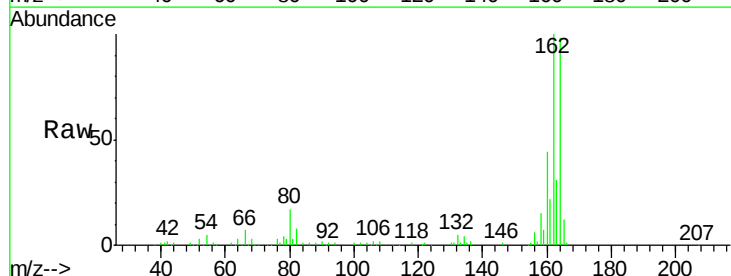


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

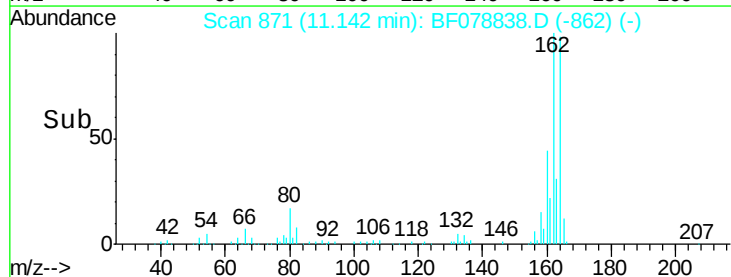
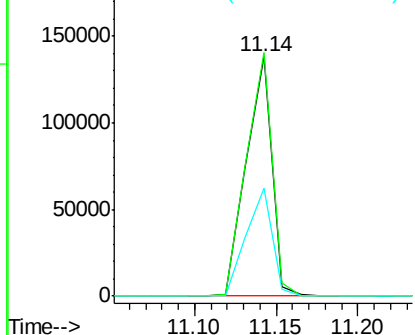


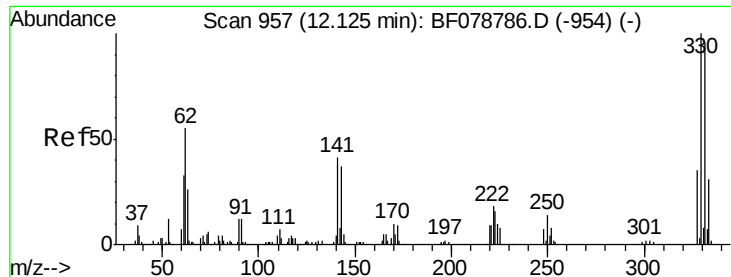
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.14 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: BF078838.D
 Acq: 30 Apr 2015 5:10

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): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

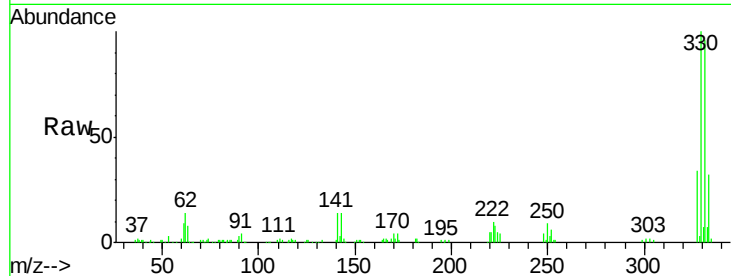




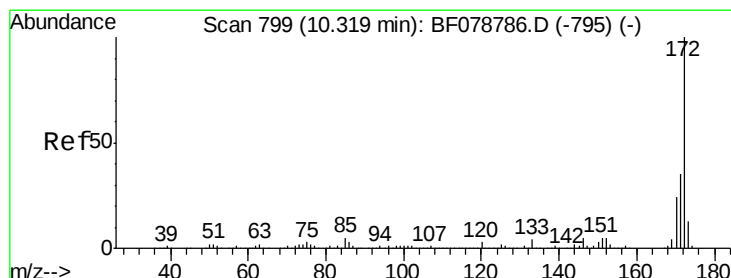
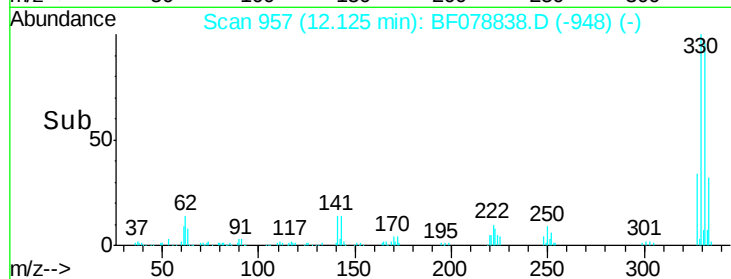
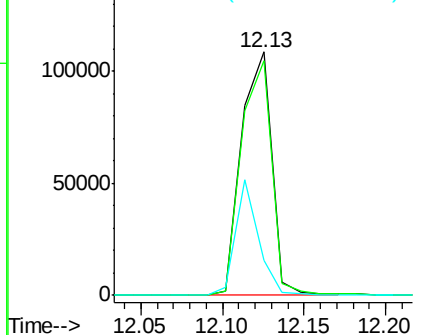
#41
 2,4,6-Tribromophenol
 Concen: 95.17 ng
 RT: 12.13 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: BF078838.D
 Acq: 30 Apr 2015 5:10

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

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

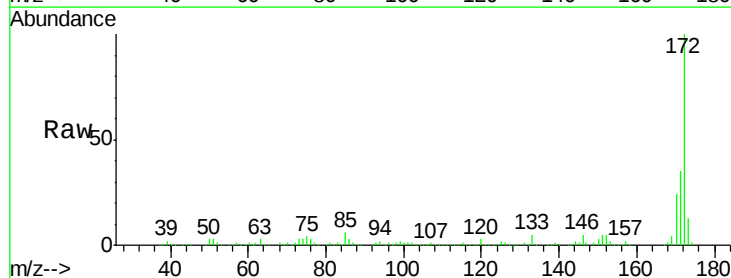


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

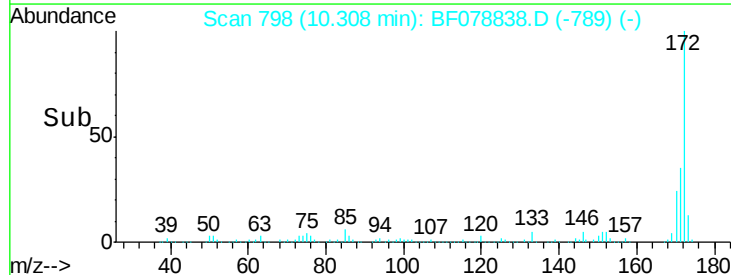
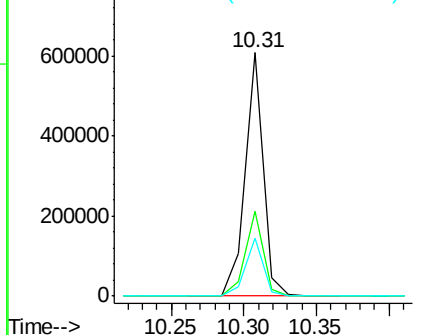


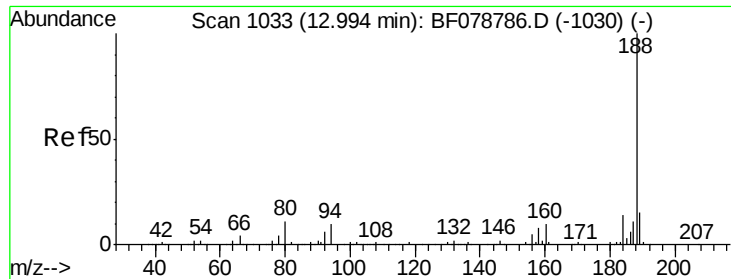
#44
 2-Fluorobiphenyl
 Concen: 47.99 ng
 RT: 10.31 min Scan# 798
 Delta R.T. 0.00 min
 Lab File: BF078838.D
 Acq: 30 Apr 2015 5:10

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

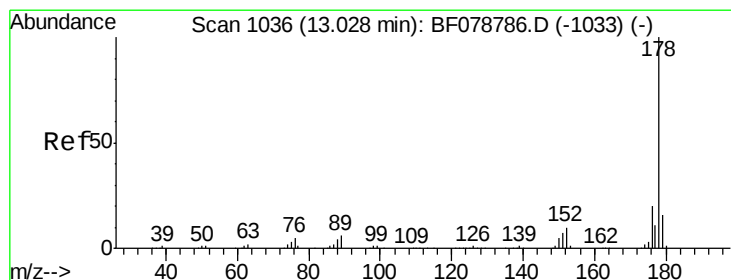
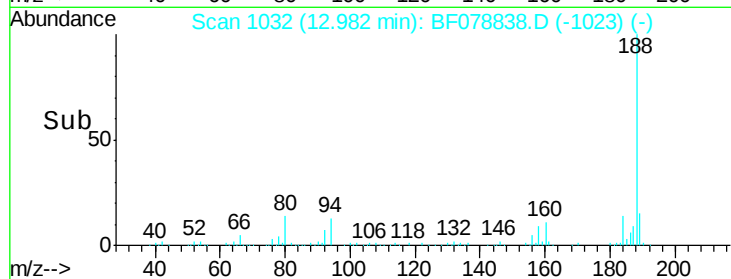
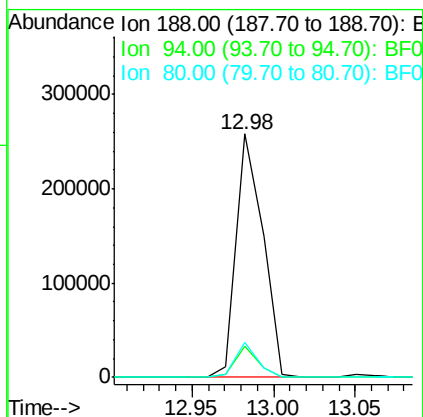
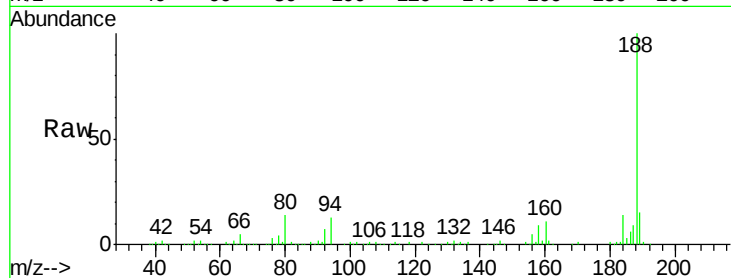




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.98 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: BF078838.D
 Acq: 30 Apr 2015 5:10

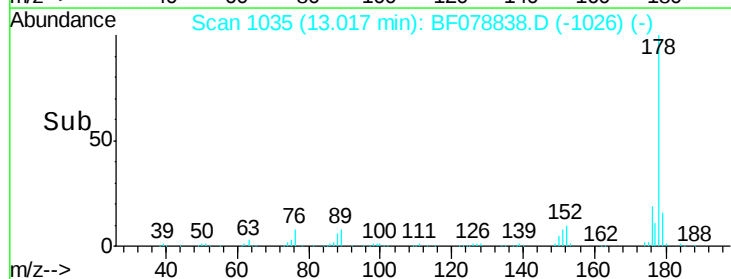
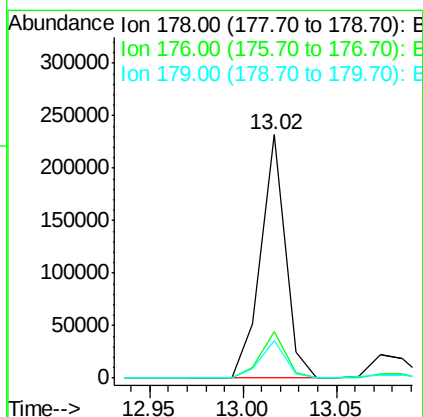
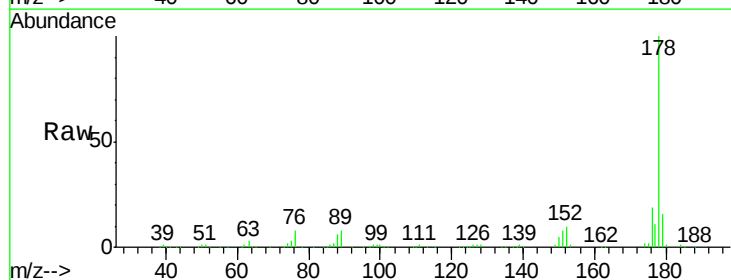
Instrument :
 BNA_F
 ClientSampleId :
 PS-18-2-5

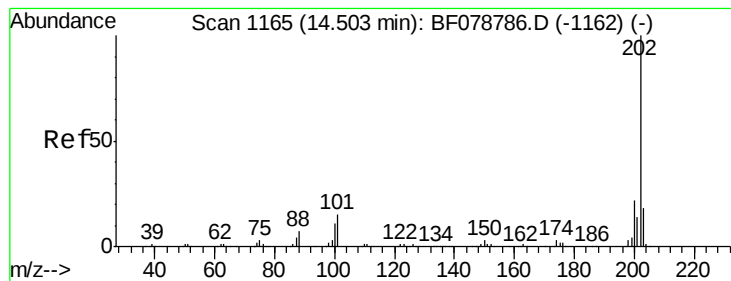
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.6	8.2	12.2#
80	14.3	8.9	13.3#



#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

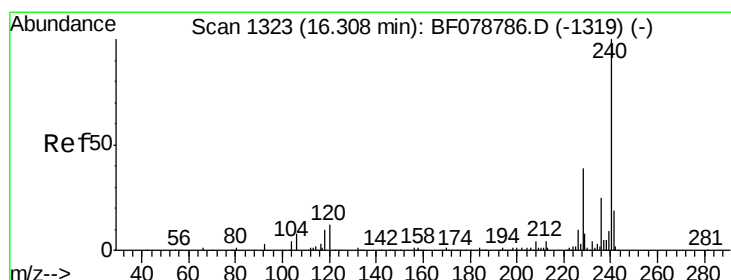
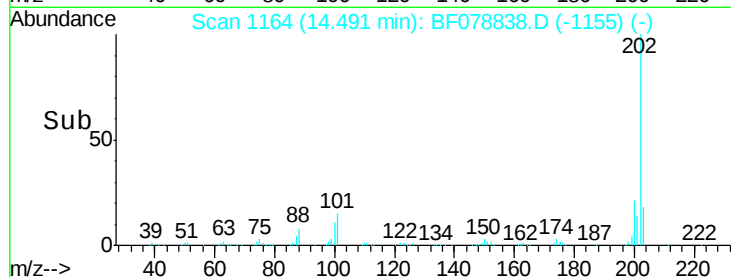
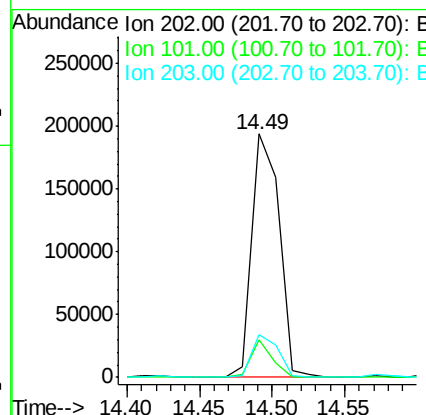
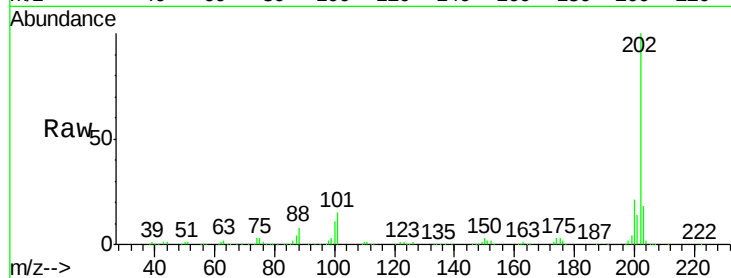
Instrument :

BNA_F

ClientSampleId :

PS-18-2-5

Tgt 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

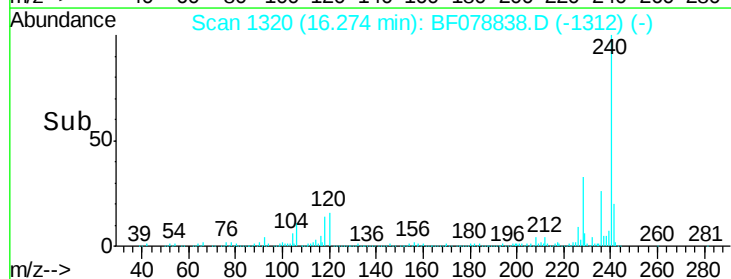
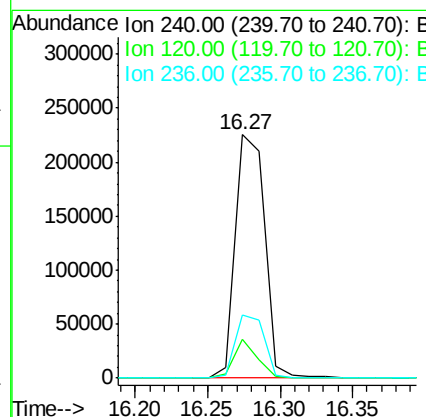
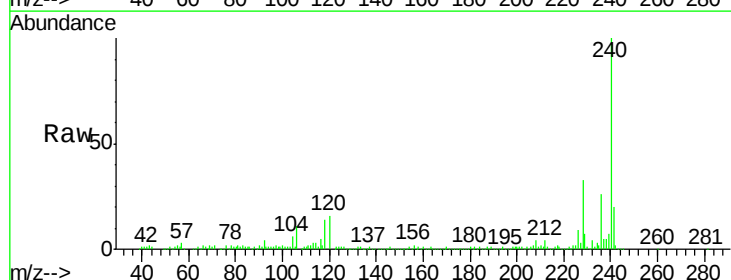
RT: 16.27 min Scan# 1320

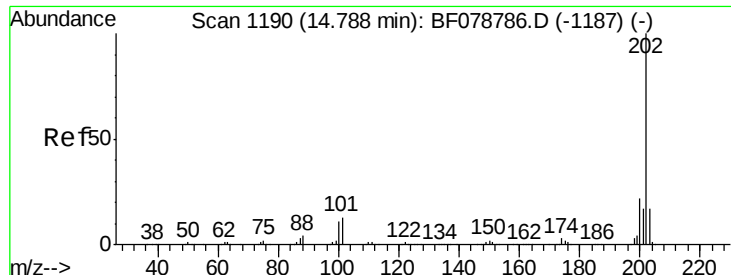
Delta R.T. -0.01 min

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

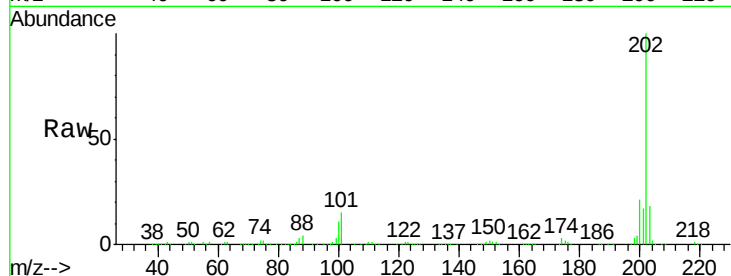




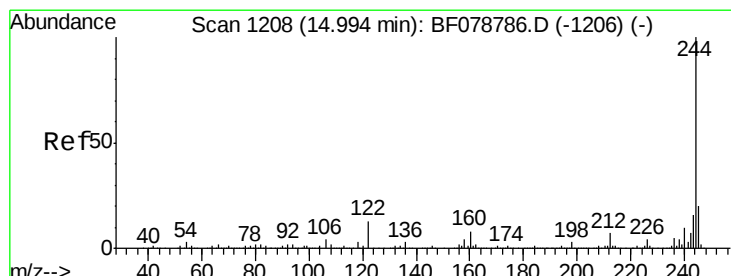
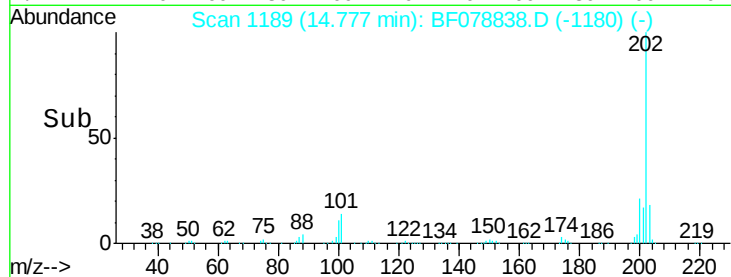
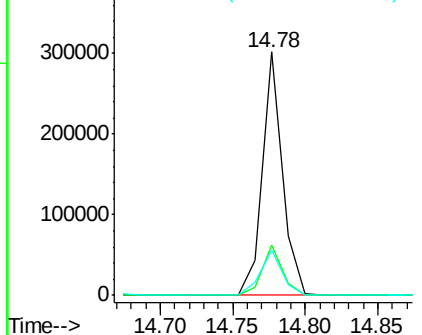
#77
 Pyrene
 Concen: 15.58 ng
 RT: 14.78 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF078838.D
 Acq: 30 Apr 2015 5:10

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

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.5	26.3
203	18.4	13.9	20.9

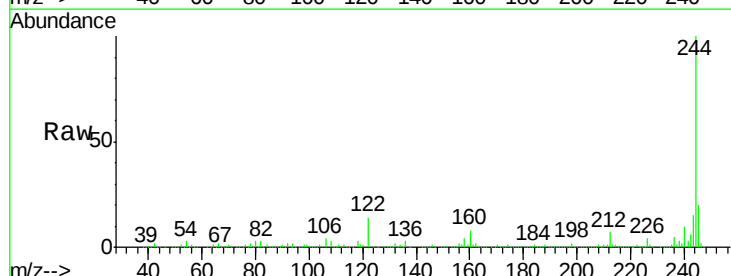


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

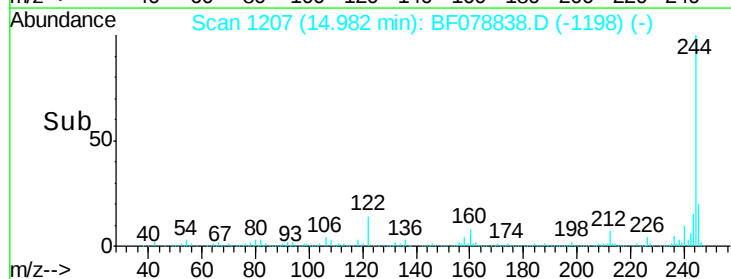
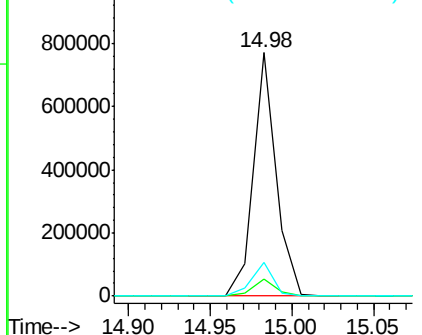


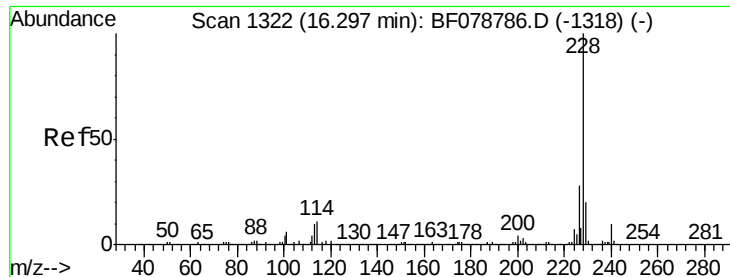
#78
 Terphenyl-d14
 Concen: 55.97 ng
 RT: 14.98 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: BF078838.D
 Acq: 30 Apr 2015 5:10

Tgt Ion	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

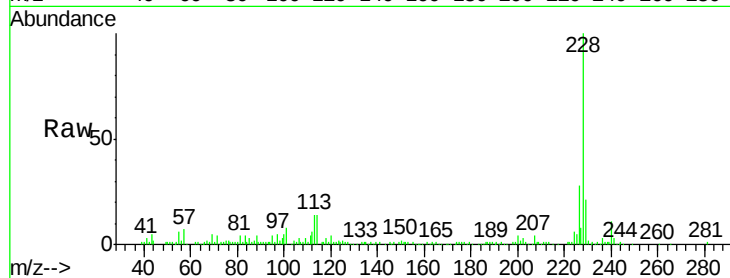
Tgt Ion:228 Resp: 132561

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

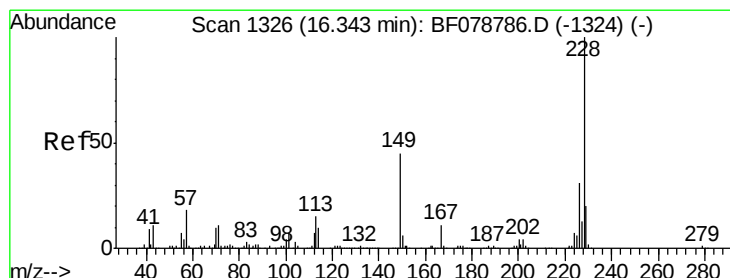
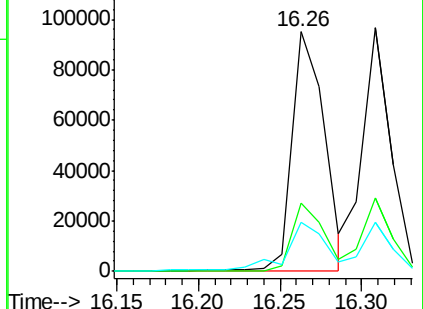
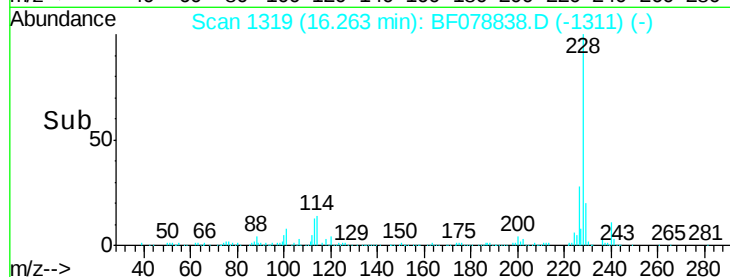
229 20.5 15.9 23.9



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: 16.31 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF078838.D

Acq: 30 Apr 2015 5:10

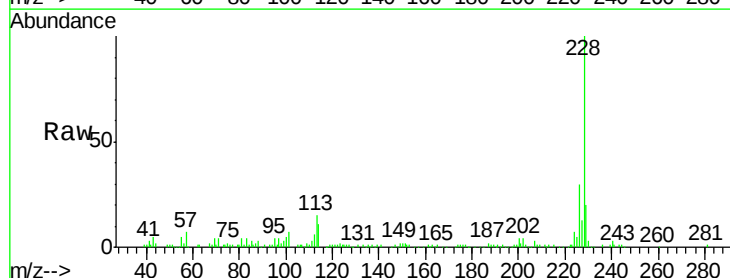
Tgt Ion:228 Resp: 115714

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

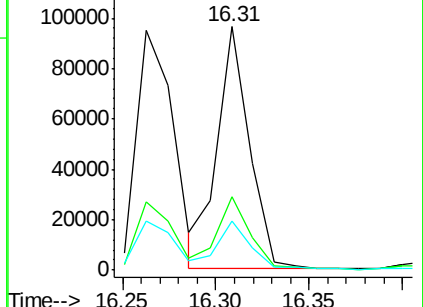
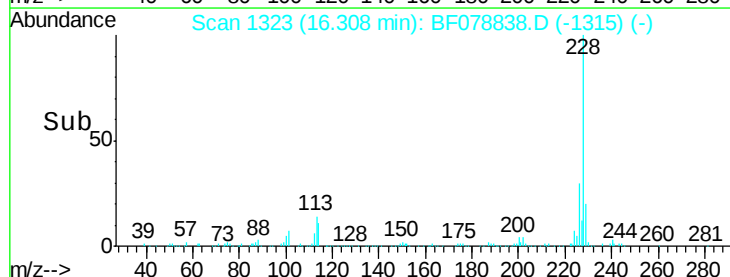
229 20.3 16.0 24.0

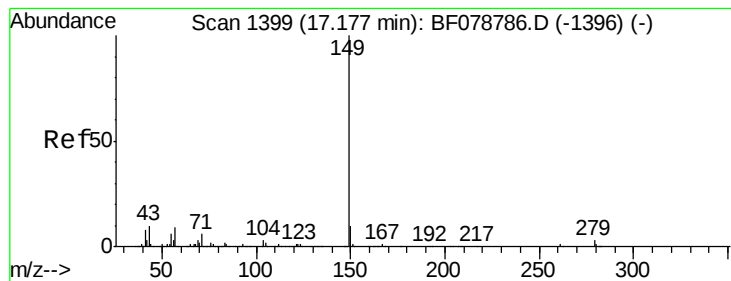


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Di-n-octyl phthalate

Concen: 6.98 ng

RT: 17.10 min Scan# 1392

Delta R.T. -0.01 min

Lab File: BF078838.D

Acq: 30 Apr 2015 5:10

Instrument :

BNA_F

ClientSampleId :

PS-18-2-5

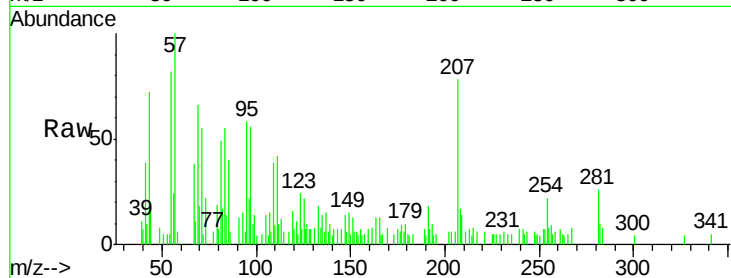
Tgt Ion:149 Resp: 831

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

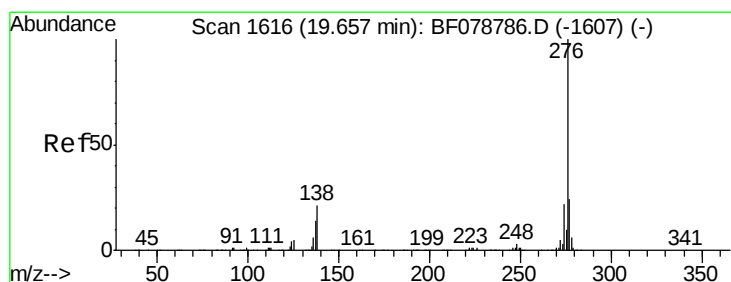
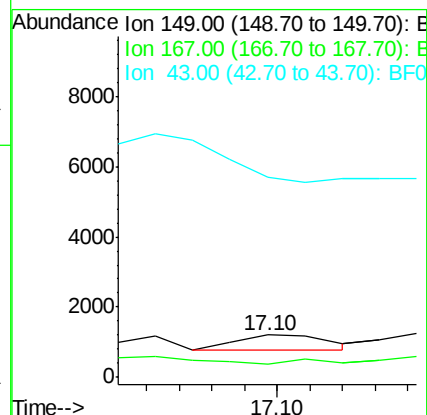
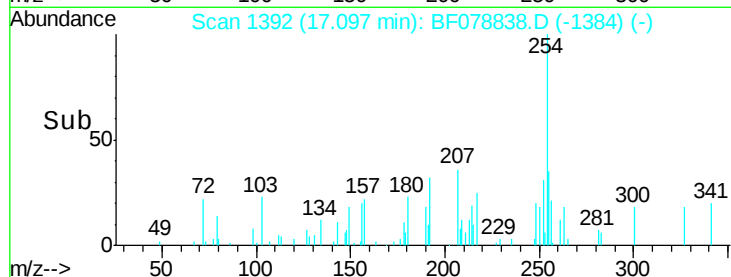
43 0.0 0.0 0.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#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

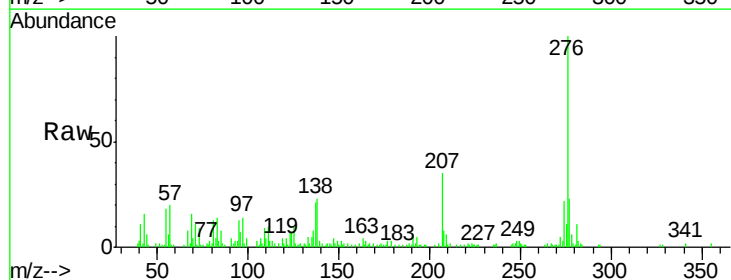
Tgt Ion:276 Resp: 71878

Ion Ratio Lower Upper

276 100

138 22.2 0.0 0.0#

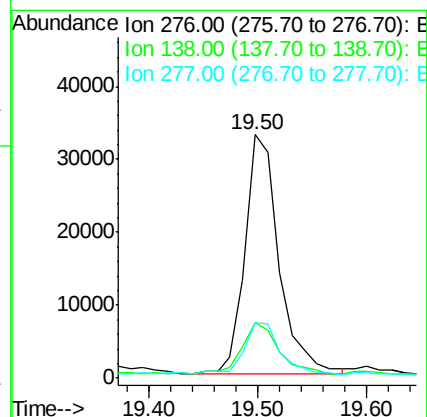
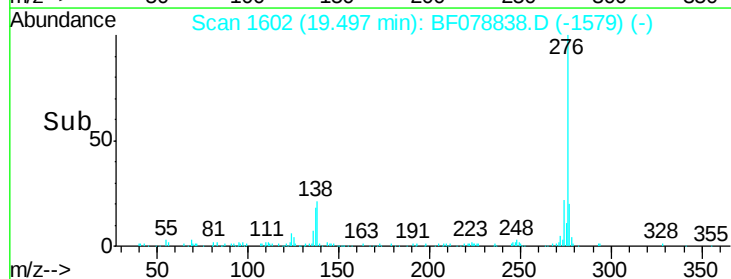
277 25.9 0.0 0.0#

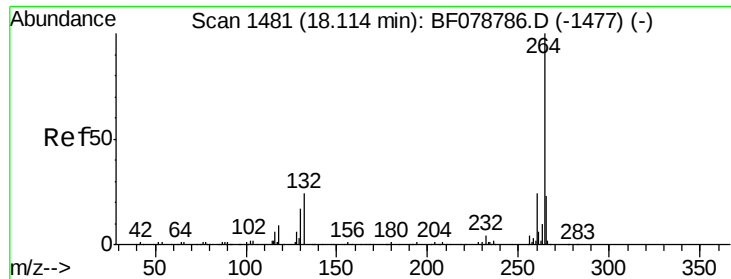


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

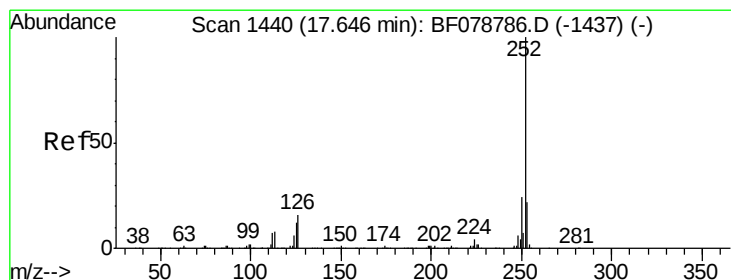
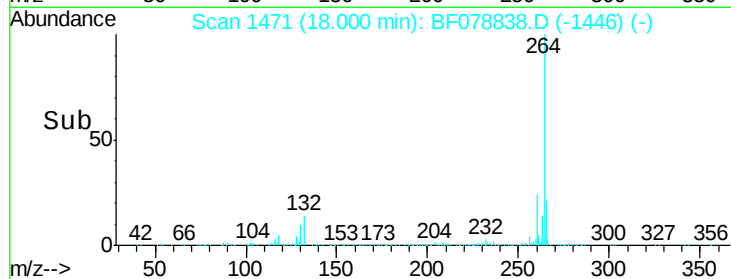
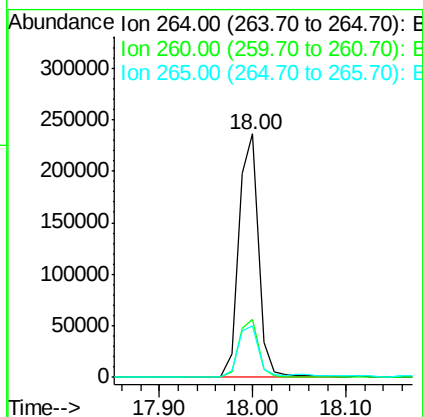
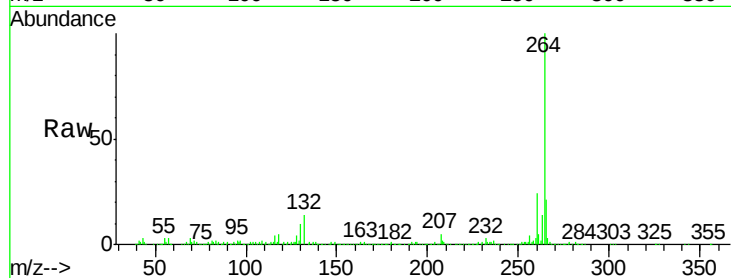




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.00 min Scan# 1471
Delta R.T. -0.01 min
Lab File: BF078838.D
Acq: 30 Apr 2015 5:10

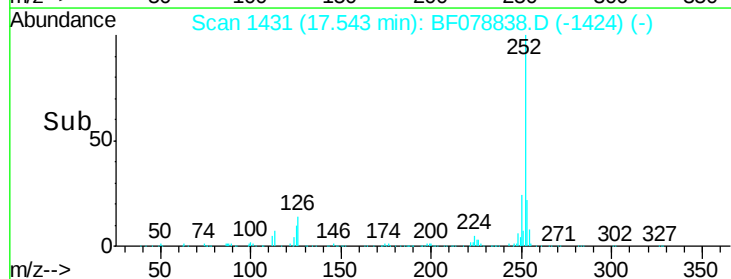
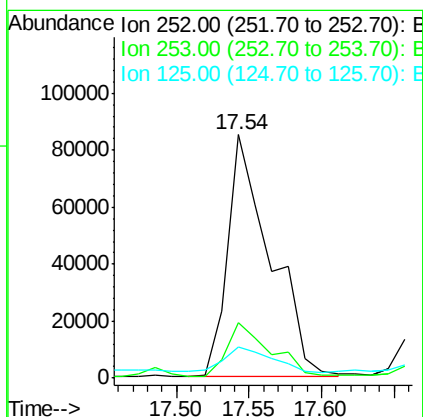
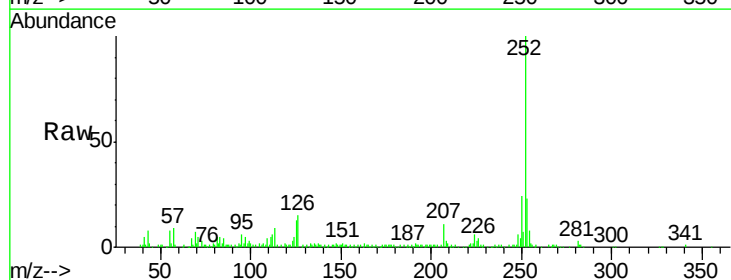
Instrument :
BNA_F
ClientSampleId :
PS-18-2-5

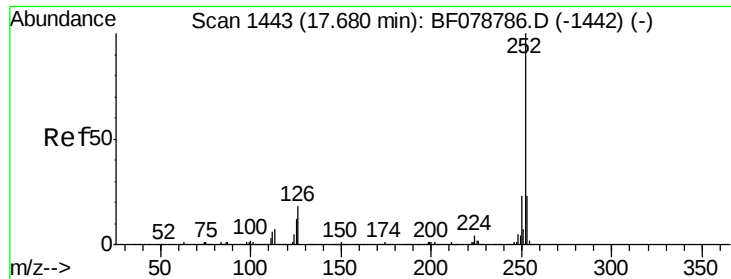
Tgt Ion: 264 Resp: 348424
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 21.4 18.3 27.5



#87
Benzo(b)fluoranthene
Concen: 9.24 ng
RT: 17.54 min Scan# 1431
Delta R.T. -0.02 min
Lab File: BF078838.D
Acq: 30 Apr 2015 5:10

Tgt Ion: 252 Resp: 174266
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 12.8 9.5 14.3

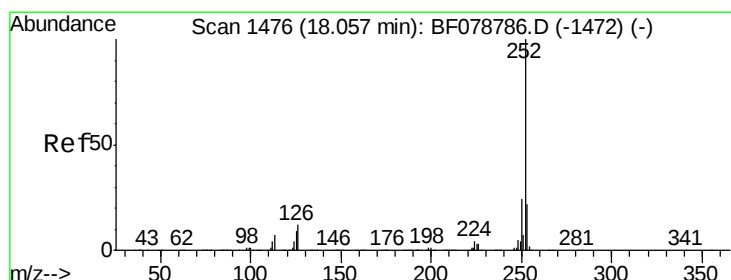
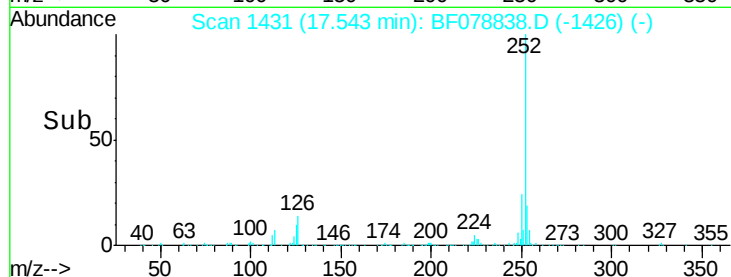
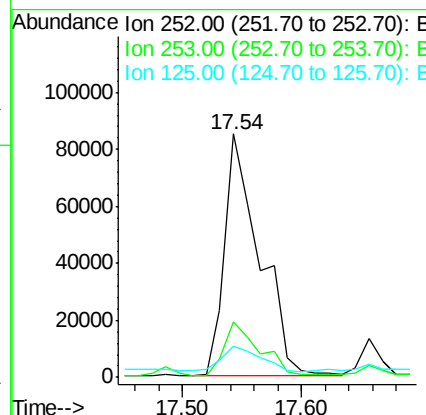
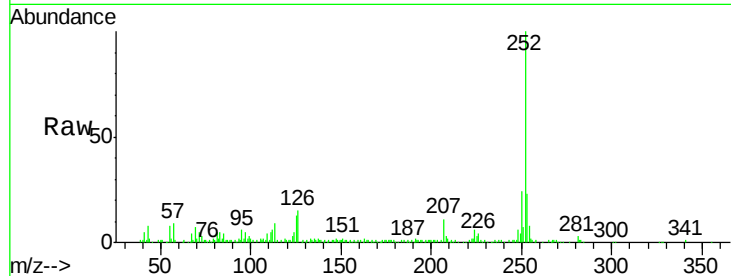




#88
Benzo(k)fluoranthene
Concen: 9.60 ng
RT: 17.54 min Scan# 1431
Delta R.T. -0.05 min
Lab File: BF078838.D
Acq: 30 Apr 2015 5:10

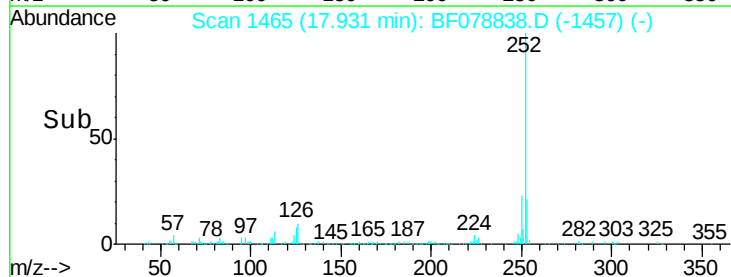
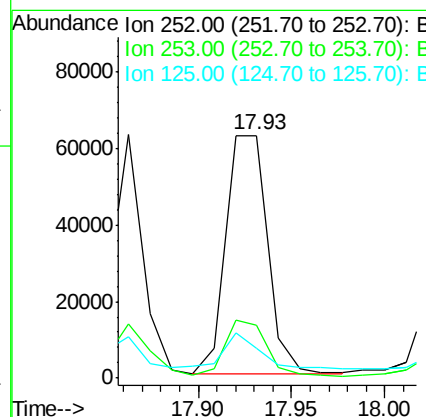
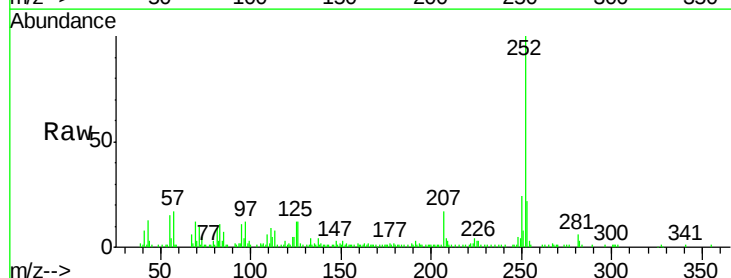
Instrument :
BNA_F
ClientSampled :
PS-18-2-5

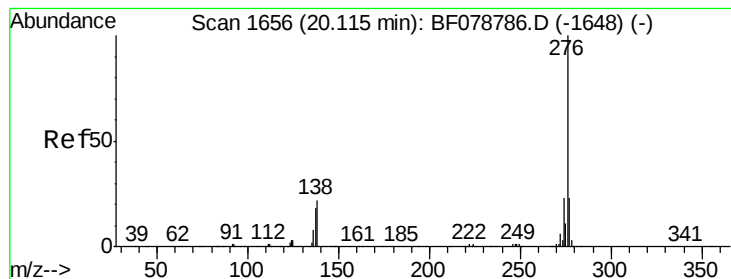
Tgt Ion: 252 Resp: 175529
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 12.8 10.0 15.0



#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#





#91

Benzo(g,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

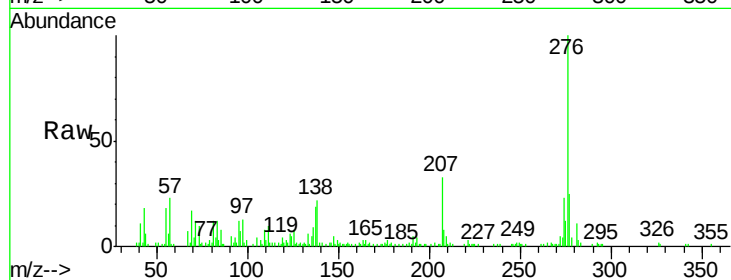
Tgt Ion: 276 Resp: 74069

Ion Ratio Lower Upper

276 100

277 24.7 18.6 28.0

138 22.0 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

