

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042915\
 Data File : BF078834.D
 Acq On : 30 Apr 2015 3:15
 Operator : TP/IZ
 Sample : G2003-10
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-10-COMP

Quant Time: Apr 30 04:05:23 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	67935	20.00	ng	0.00
21) Naphthalene-d8	8.96	136	289214	20.00	ng	0.00
38) Acenaphthene-d10	11.14	164	136556	20.00	ng	0.00
63) Phenanthrene-d10	12.98	188	292424	20.00	ng	0.00
75) Chrysene-d12	16.27	240	323299	20.00	ng	-0.01
86) Perylene-d12	17.99	264	357468	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	318336	86.06	ng	0.01
7) Phenol-d6	6.92	99	457445	92.60	ng	0.00
23) Nitrobenzene-d5	8.07	82	240728	59.93	ng	0.00
41) 2,4,6-Tribromophenol	12.11	330	120792	90.63	ng	-0.01
44) 2-Fluorobiphenyl	10.31	172	511900	51.34	ng	0.00
78) Terphenyl-d14	14.98	244	653838	48.16	ng	0.00

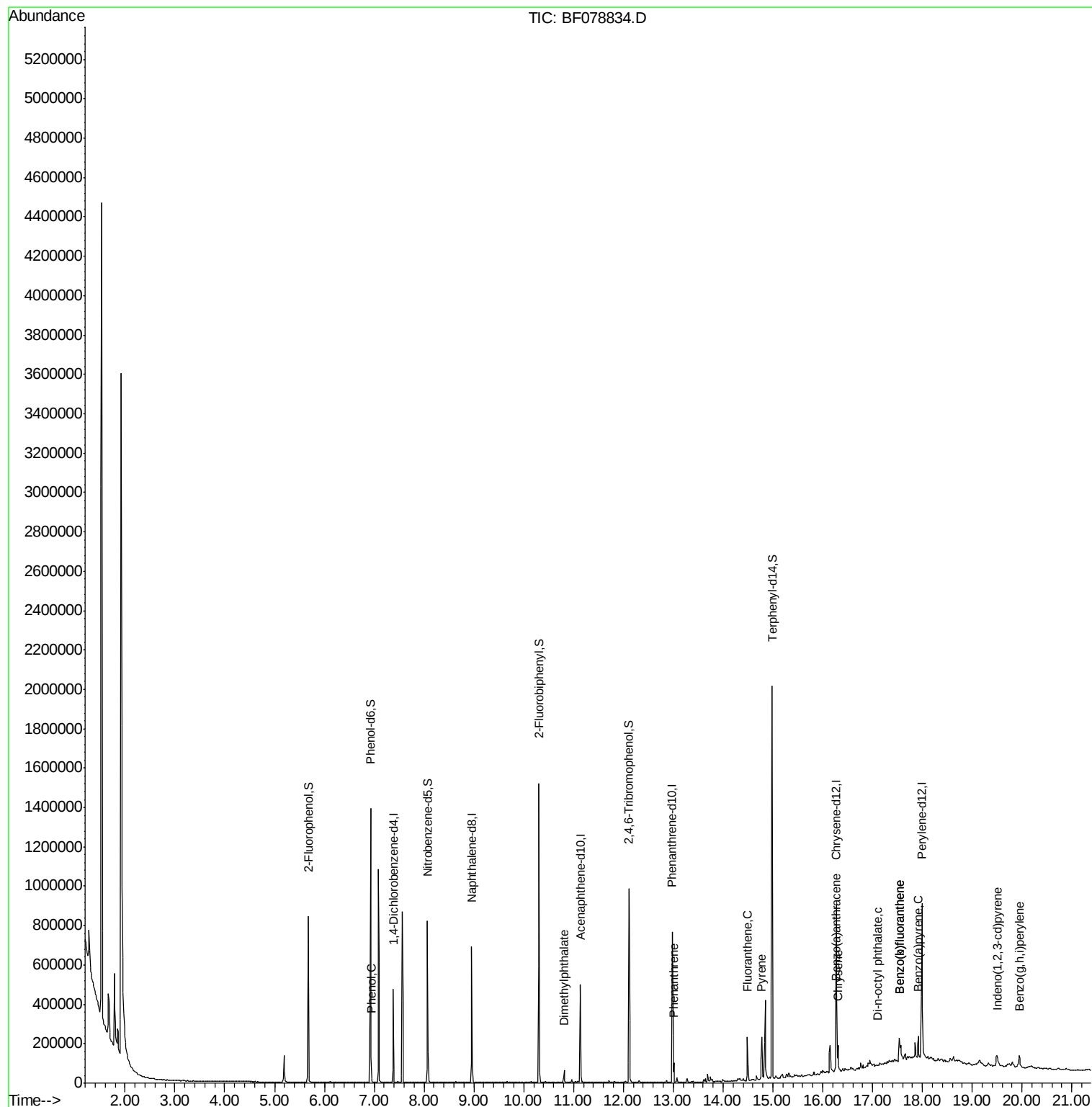
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.94	94	18592	3.18	ng	94
49) Dimethylphthalate	10.81	163	27061	2.79	ng	99
70) Phenanthrene	13.02	178	46112	2.91	ng	97
74) Fluoranthene	14.49	202	98607	6.25	ng	98
77) Pyrene	14.78	202	95750	5.07	ng	99
80) Benzo(a)anthracene	16.26	228	61508	3.55	ng	94
82) Chrysene	16.31	228	48568	2.87	ng	96
84) Di-n-octyl phthalate	17.11	149	1671	7.02	ng	# 100
85) Indeno(1,2,3-cd)pyrene	19.50	276	47730	2.49	ng	# 100
87) Benzo(b)fluoranthene	17.54	252	104899	5.42	ng	97
88) Benzo(k)fluoranthene	17.54	252	105586	5.63	ng	97
89) Benzo(a)pyrene	17.92	252	57352	3.31	ng	# 97
91) Benzo(g,h,i)perylene	19.94	276	51218	2.85	ng	96

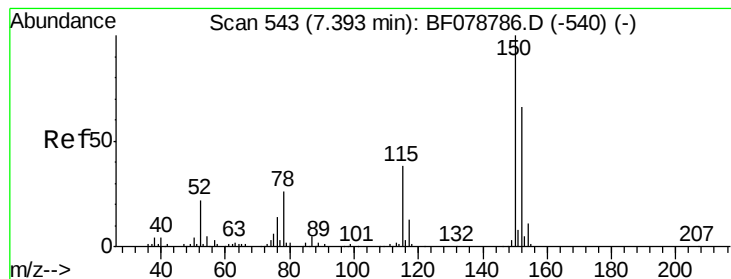
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.38 min Scan# 542

Delta R.T. 0.00 min

Lab File: BF078834.D

Acq: 30 Apr 2015 3:15

Instrument :

BNA_F

ClientSampleId :

SB-10-COMP

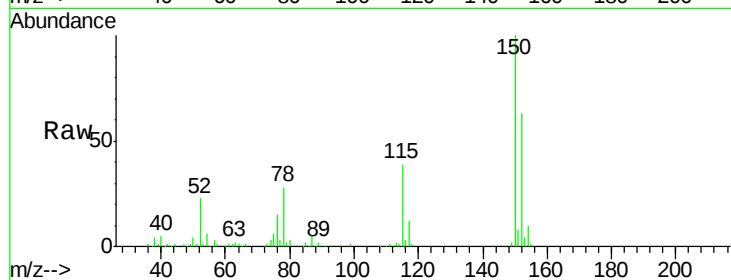
Tgt Ion:152 Resp: 67935

Ion Ratio Lower Upper

152 100

150 157.8 122.0 183.0

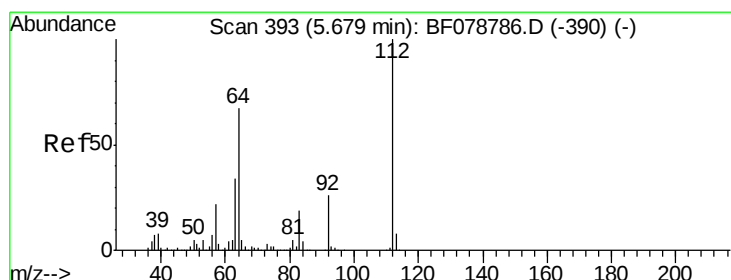
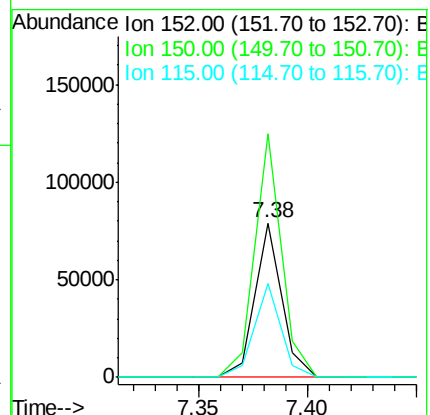
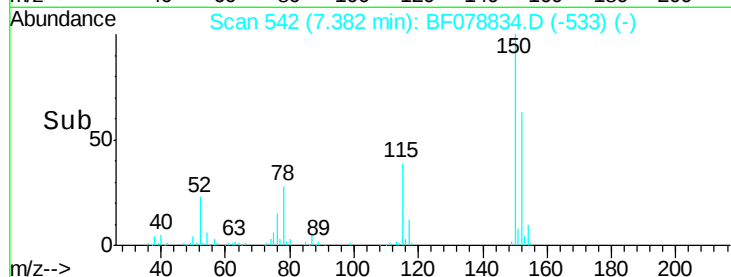
115 60.8 46.3 69.5



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: 86.06 ng

RT: 5.68 min Scan# 393

Delta R.T. 0.01 min

Lab File: BF078834.D

Acq: 30 Apr 2015 3:15

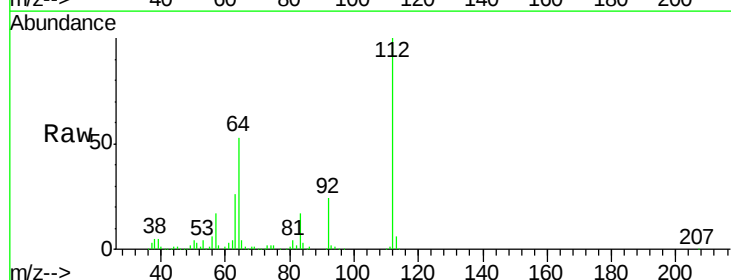
Tgt Ion:112 Resp: 318336

Ion Ratio Lower Upper

112 100

64 52.6 53.5 80.3#

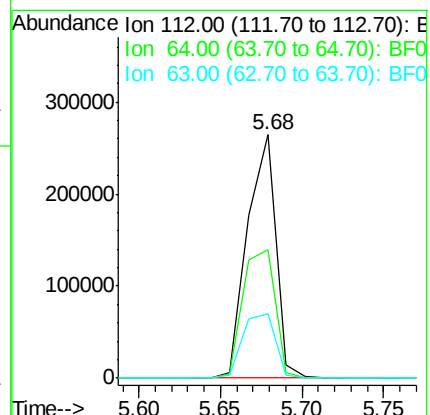
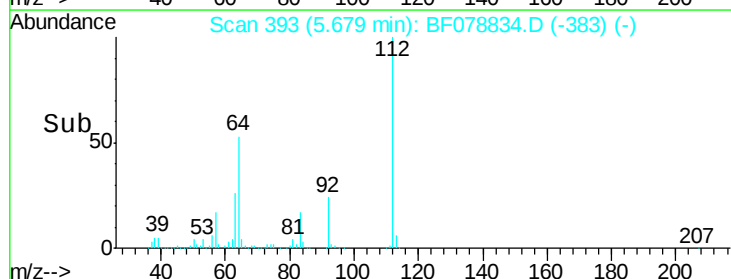
63 26.4 27.5 41.3#

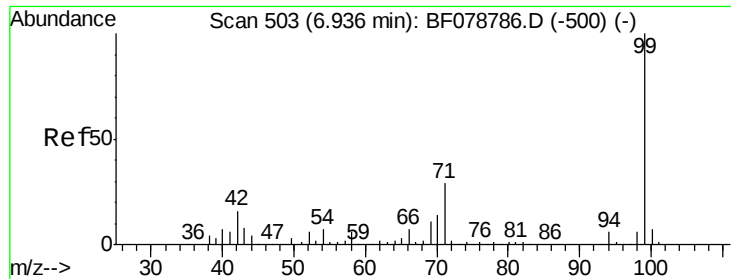


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 92.60 ng

RT: 6.92 min Scan# 502

Delta R.T. 0.00 min

Lab File: BF078834.D

Acq: 30 Apr 2015 3:15

Instrument :

BNA_F

ClientSampleId :

SB-10-COMP

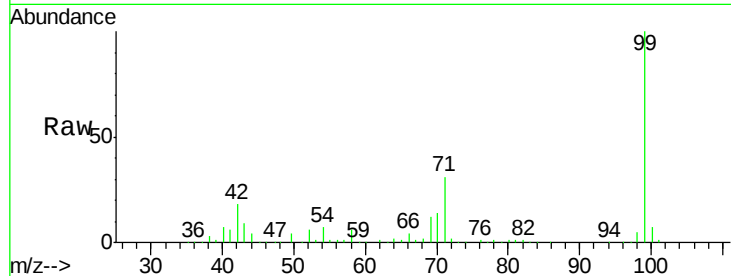
Tgt Ion: 99 Resp: 457445

Ion Ratio Lower Upper

99 100

42 17.8 12.8 19.2

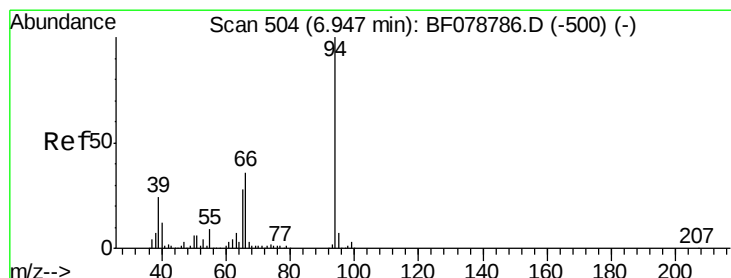
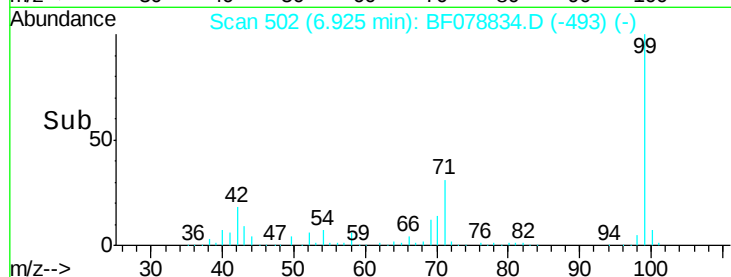
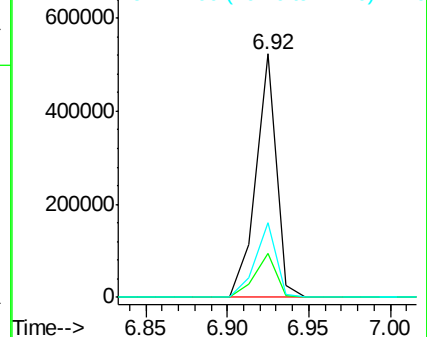
71 30.8 23.4 35.2



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



#10

Phenol

Concen: 3.18 ng

RT: 6.94 min Scan# 503

Delta R.T. 0.00 min

Lab File: BF078834.D

Acq: 30 Apr 2015 3:15

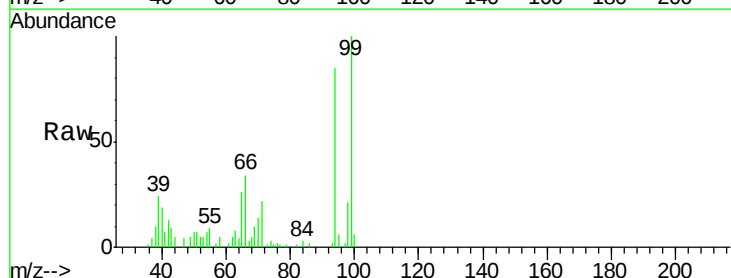
Tgt Ion: 94 Resp: 18592

Ion Ratio Lower Upper

94 100

65 30.9 8.5 48.5

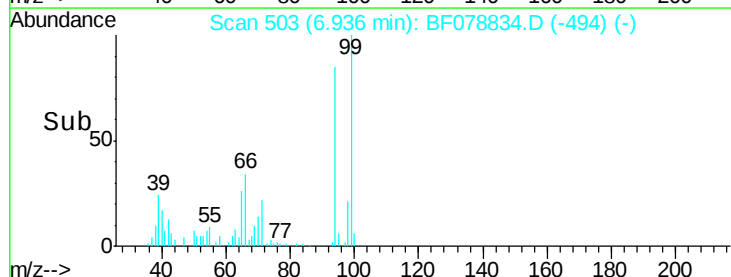
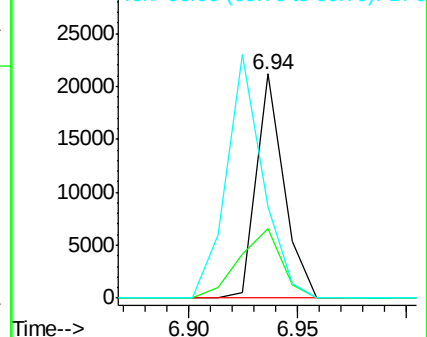
66 40.6 16.0 56.0

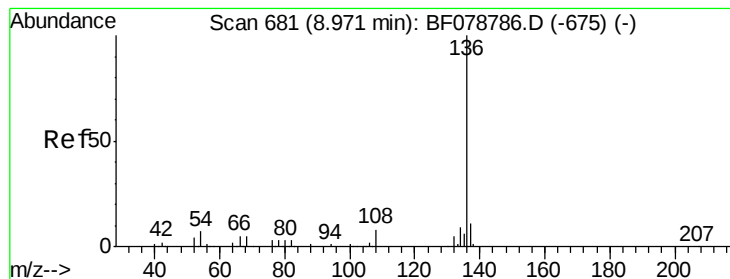


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: BF078834.D

Acq: 30 Apr 2015 3:15

Instrument :

BNA_F

ClientSampleId :

SB-10-COMP

Tgt Ion: 136 Resp: 289214

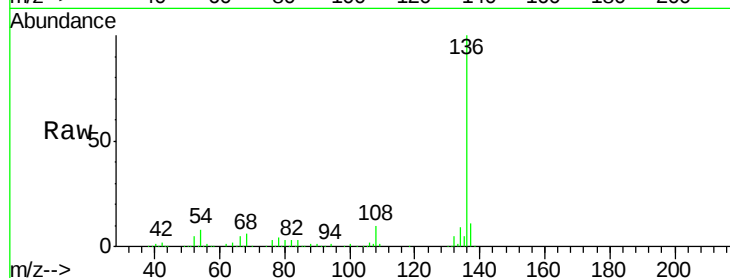
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 8.2 5.8 8.8

68 5.9 4.2 6.4

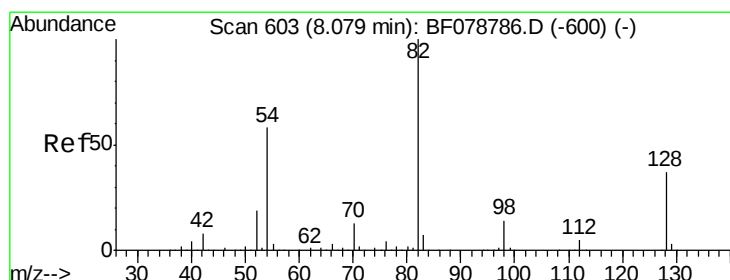
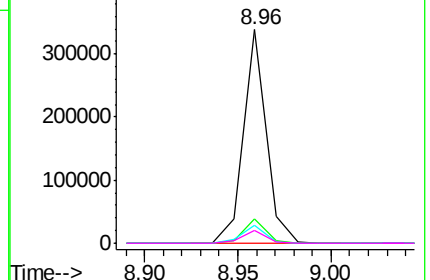
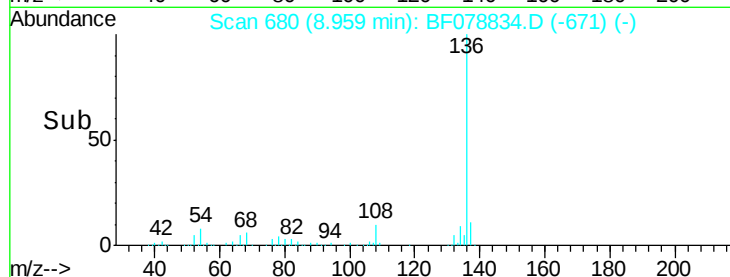


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.93 ng

RT: 8.07 min Scan# 602

Delta R.T. 0.00 min

Lab File: BF078834.D

Acq: 30 Apr 2015 3:15

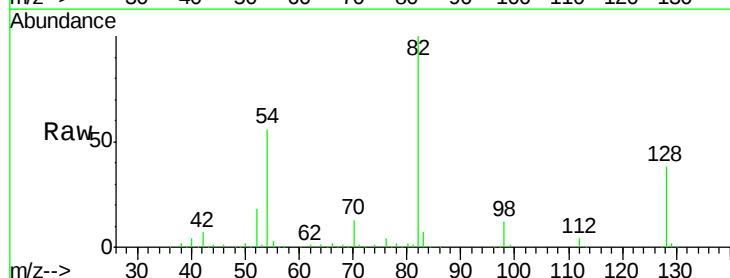
Tgt Ion: 82 Resp: 240728

Ion Ratio Lower Upper

82 100

128 38.4 30.0 45.0

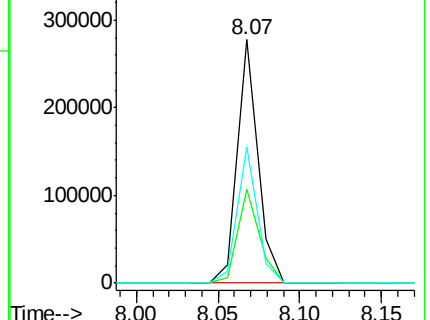
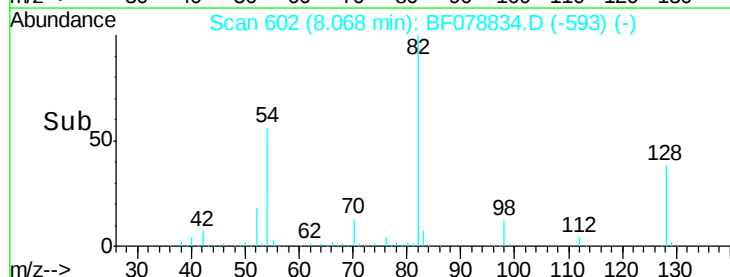
54 55.9 46.4 69.6

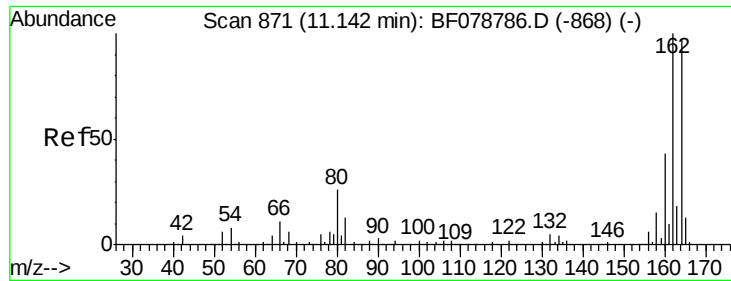


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

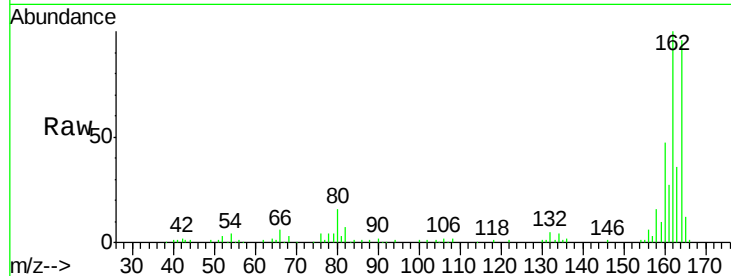




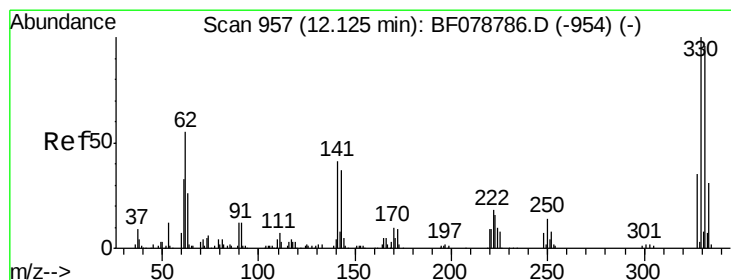
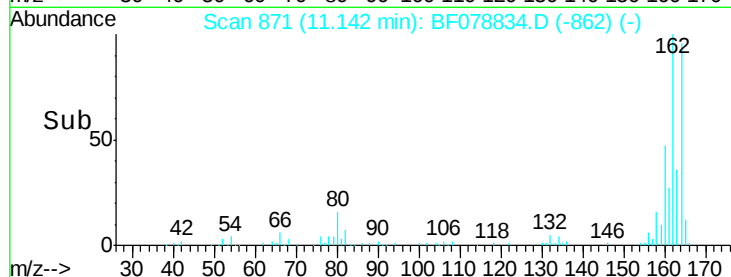
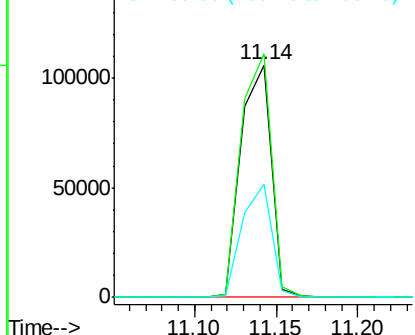
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.14 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: BF078834.D
 Acq: 30 Apr 2015 3:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-10-COMP

Tgt Ion:164 Resp: 136556
 Ion Ratio Lower Upper
 164 100
 162 104.7 82.7 124.1
 160 48.9 35.8 53.8

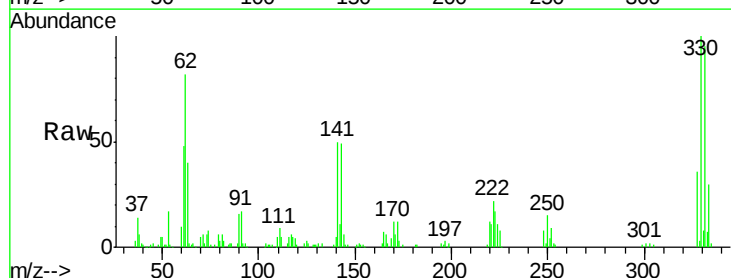


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

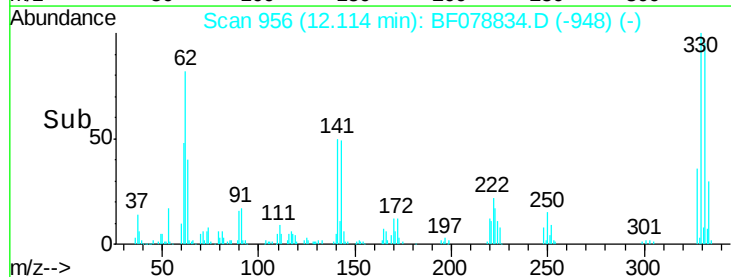
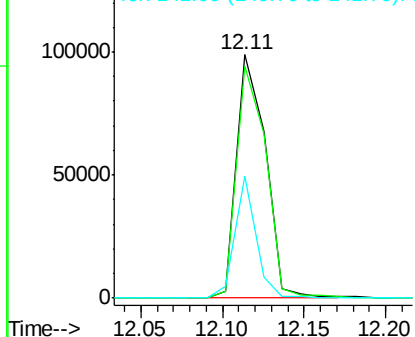


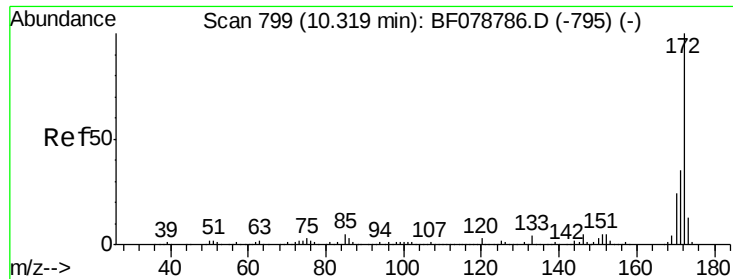
#41
 2,4,6-Tribromophenol
 Concen: 90.63 ng
 RT: 12.11 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: BF078834.D
 Acq: 30 Apr 2015 3:15

Tgt Ion:330 Resp: 120792
 Ion Ratio Lower Upper
 330 100
 332 97.2 0.0 0.0#
 141 36.6 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

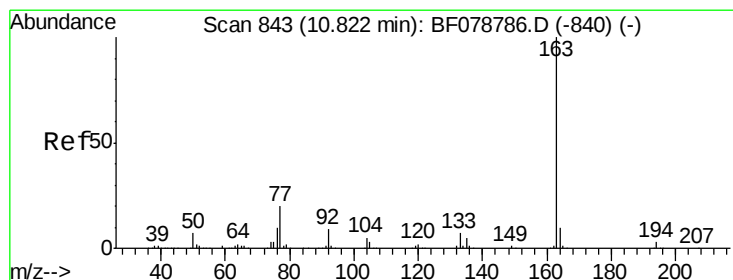
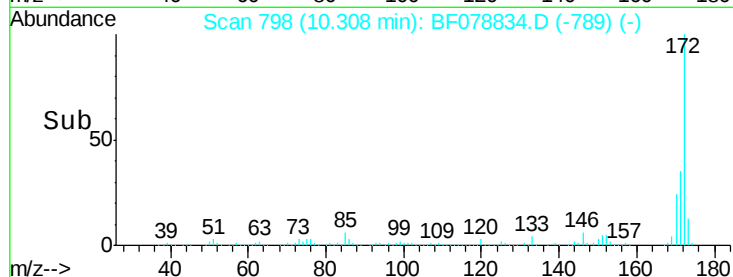
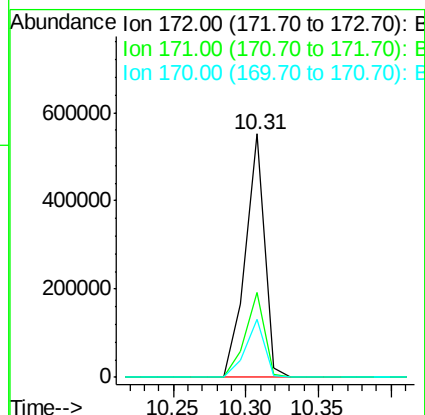
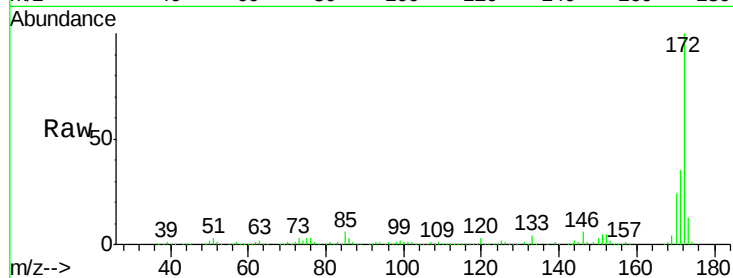




#44
2-Fluorobiphenyl
Concen: 51.34 ng
RT: 10.31 min Scan# 798
Delta R.T. 0.00 min
Lab File: BF078834.D
Acq: 30 Apr 2015 3:15

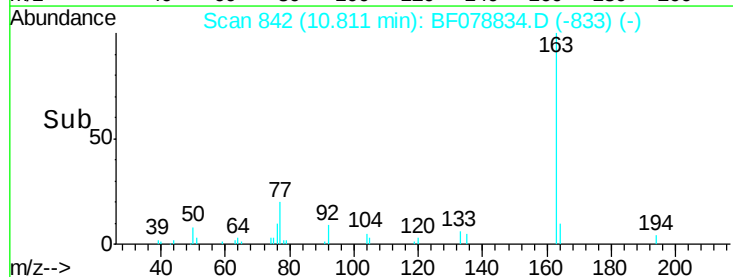
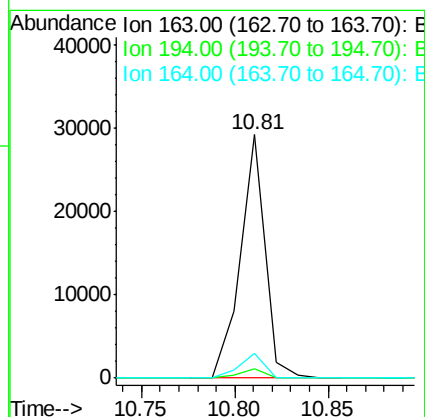
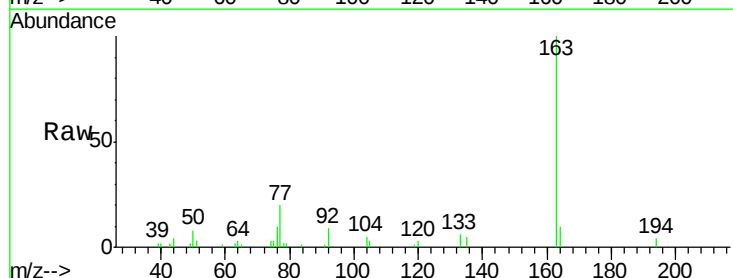
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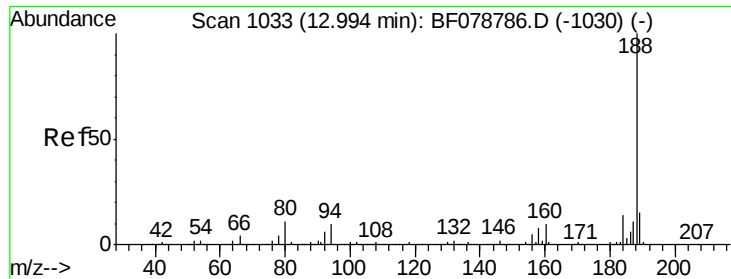
Tgt Ion:172 Resp: 511900
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 23.8 19.4 29.0



#49
Dimethylphthalate
Concen: 2.79 ng
RT: 10.81 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF078834.D
Acq: 30 Apr 2015 3:15

Tgt Ion:163 Resp: 27061
Ion Ratio Lower Upper
163 100
194 3.9 2.6 4.0
164 10.3 8.1 12.1

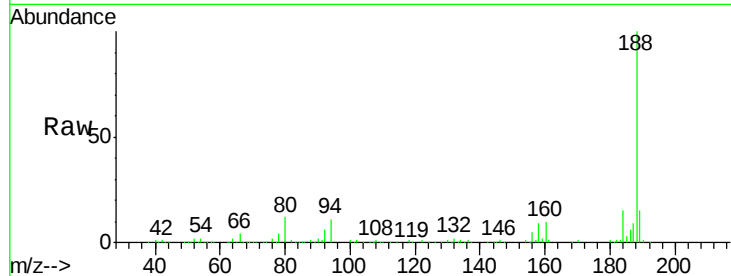




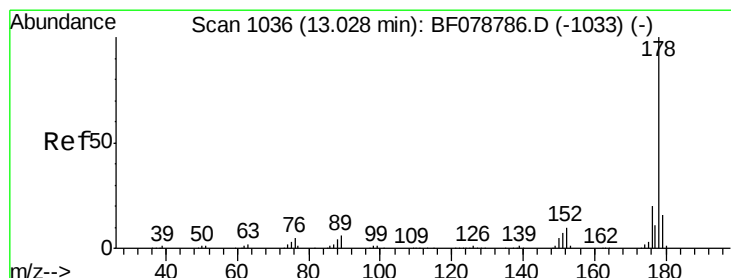
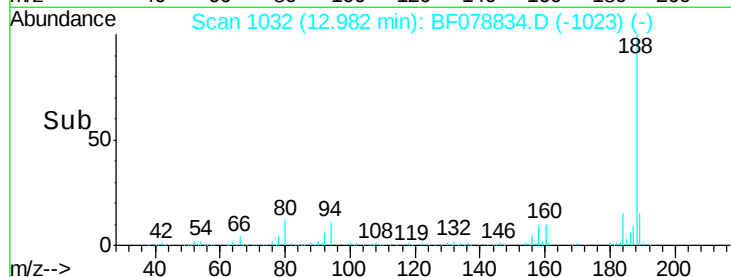
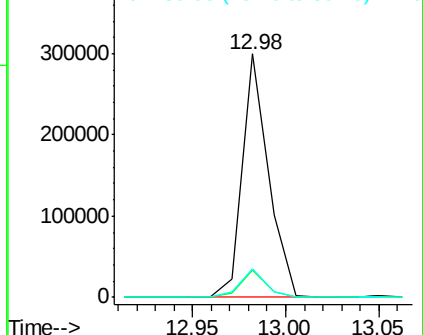
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.98 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF078834.D
Acq: 30 Apr 2015 3:15

Instrument :
BNA_F
ClientSampleId :
SB-10-COMP

Tgt Ion:188 Resp: 292424
Ion Ratio Lower Upper
188 100
94 11.3 8.2 12.2
80 12.0 8.9 13.3

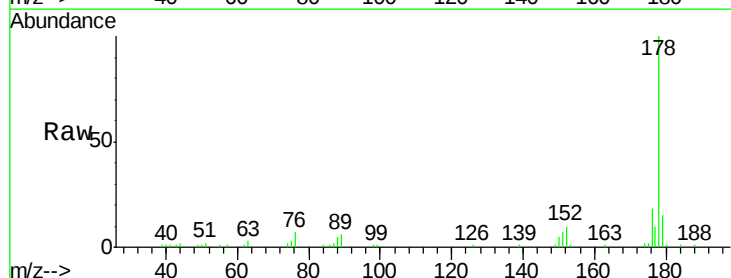


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

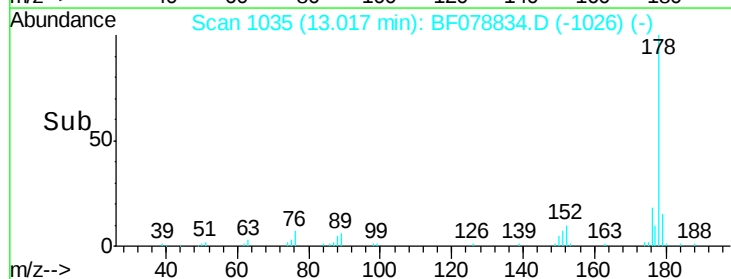
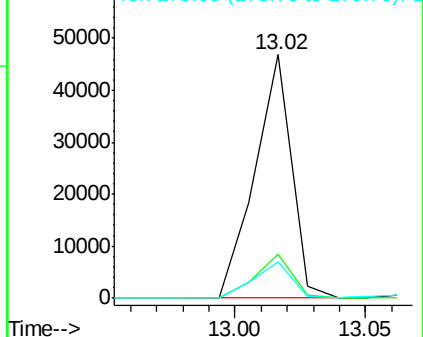


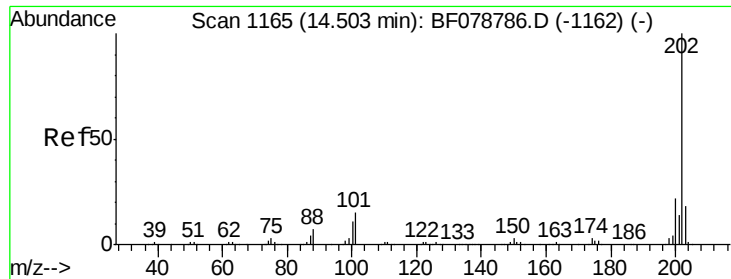
#70
Phenanthrene
Concen: 2.91 ng
RT: 13.02 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF078834.D
Acq: 30 Apr 2015 3:15

Tgt Ion:178 Resp: 46112
Ion Ratio Lower Upper
178 100
176 17.8 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

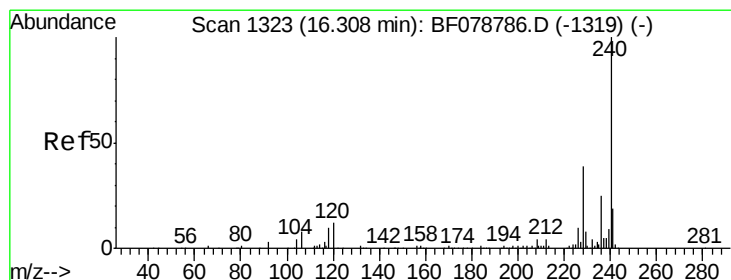
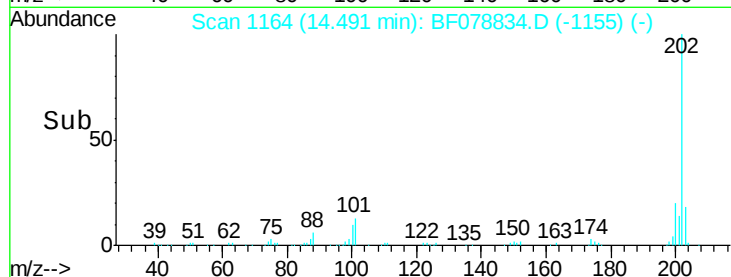
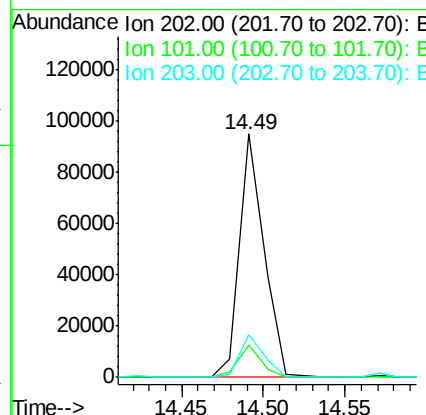
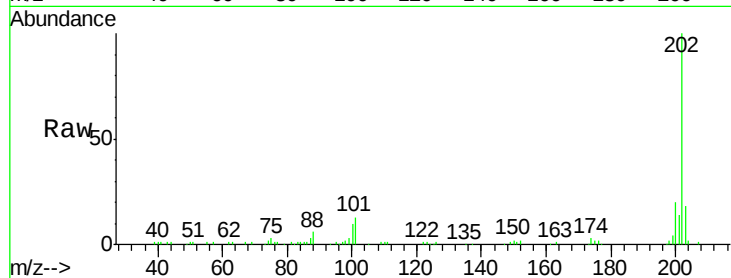




#74
Fluoranthene
Concen: 6.25 ng
RT: 14.49 min Scan# 1164
Delta R.T. 0.00 min
Lab File: BF078834.D
Acq: 30 Apr 2015 3:15

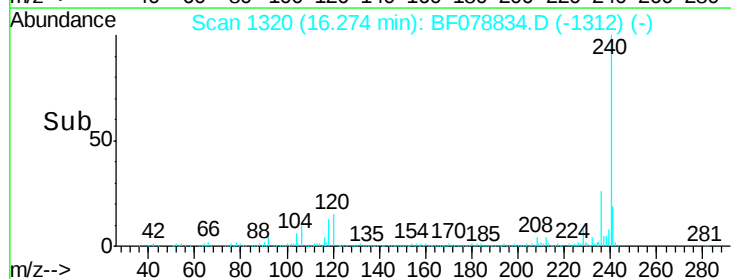
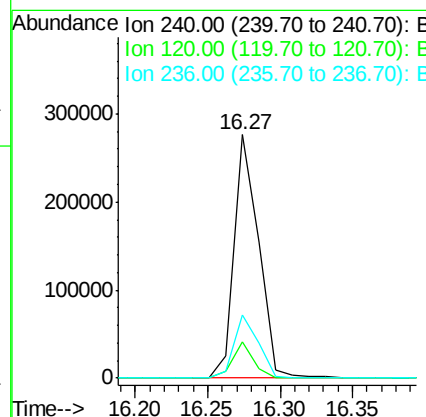
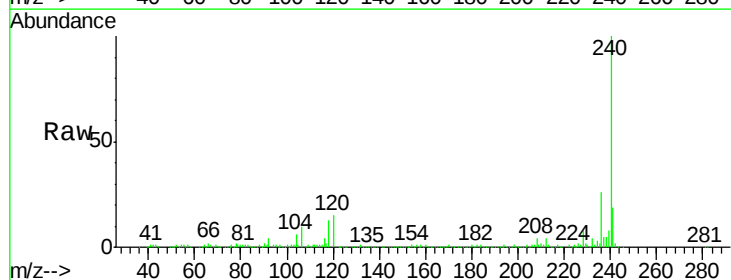
Instrument :
BNA_F
ClientSampleId :
SB-10-COMP

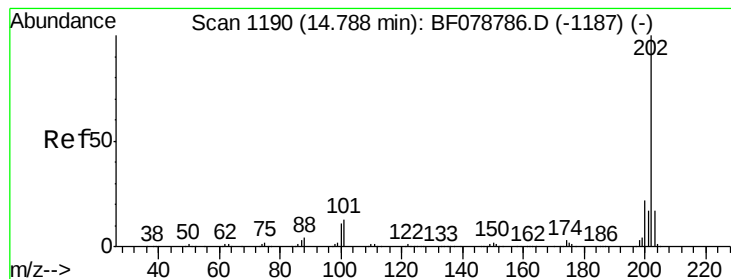
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	34.6
203	17.7	0.0	38.4



#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.27 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF078834.D
Acq: 30 Apr 2015 3:15

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.7	9.7	14.5#
236	25.9	20.2	30.4





#77

Pyrene

Concen: 5.07 ng

RT: 14.78 min Scan# 1189

Delta R.T. 0.00 min

Lab File: BF078834.D

Acq: 30 Apr 2015 3:15

Instrument :

BNA_F

ClientSampleId :

SB-10-COMP

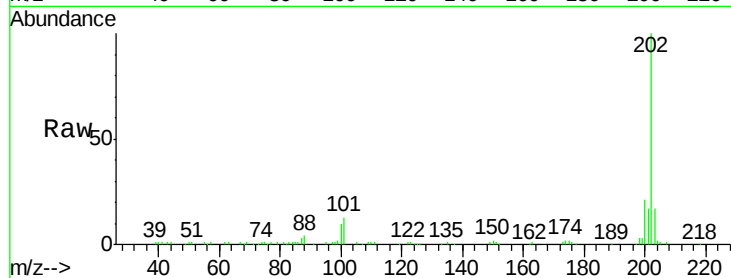
Tgt Ion:202 Resp: 95750

Ion Ratio Lower Upper

202 100

200 21.3 17.5 26.3

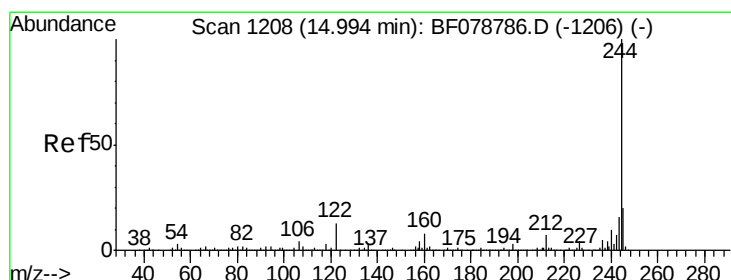
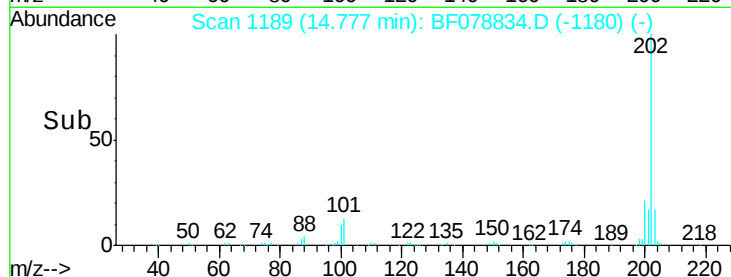
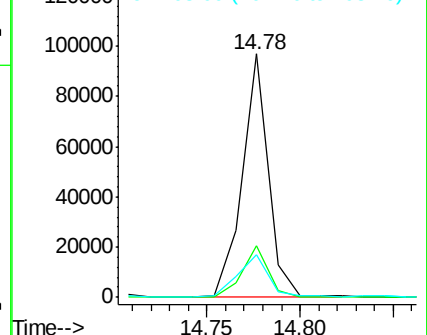
203 17.4 13.9 20.9



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: 48.16 ng

RT: 14.98 min Scan# 1207

Delta R.T. 0.00 min

Lab File: BF078834.D

Acq: 30 Apr 2015 3:15

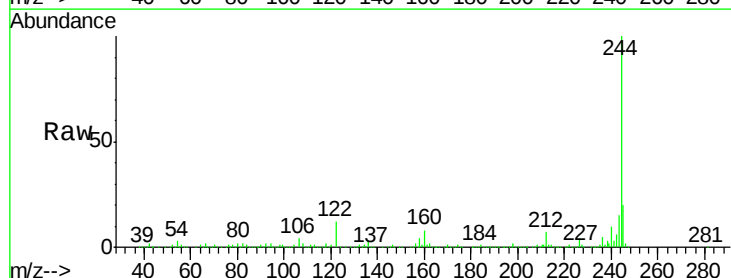
Tgt Ion:244 Resp: 653838

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

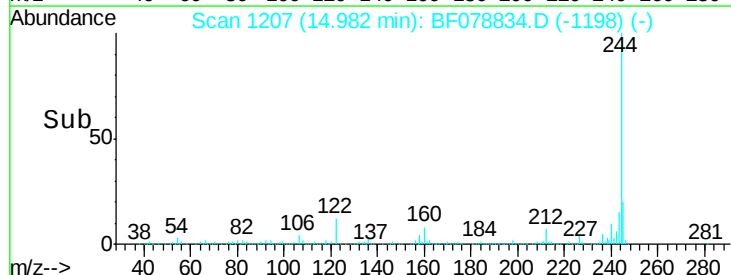
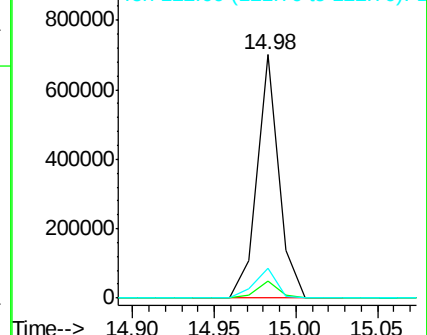
122 12.1 10.3 15.5

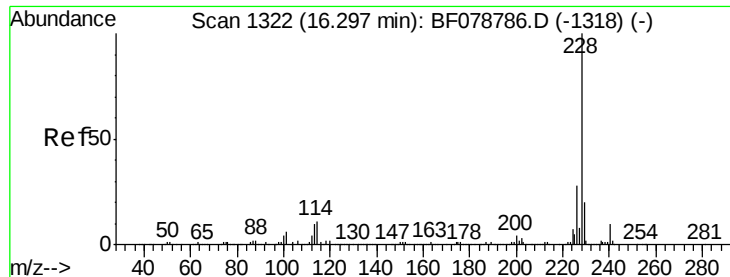


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

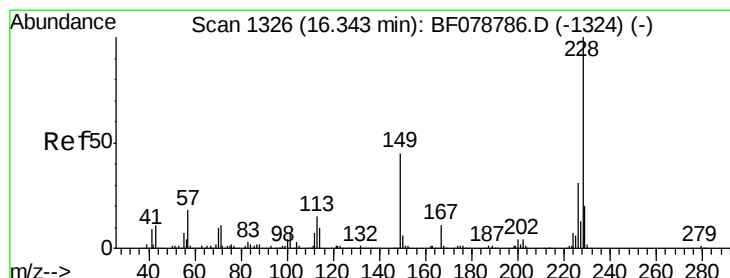
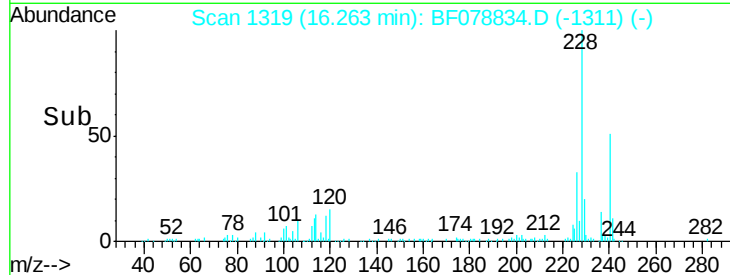
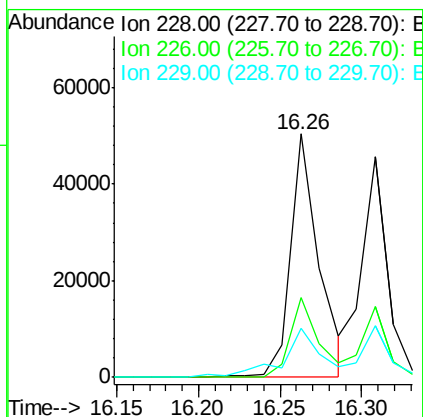
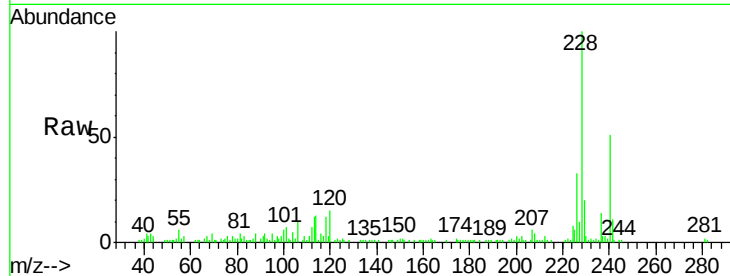




#80
Benzo(a)anthracene
Concen: 3.55 ng
RT: 16.26 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF078834.D
Acq: 30 Apr 2015 3:15

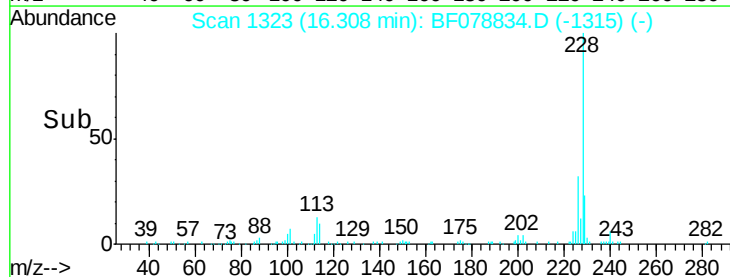
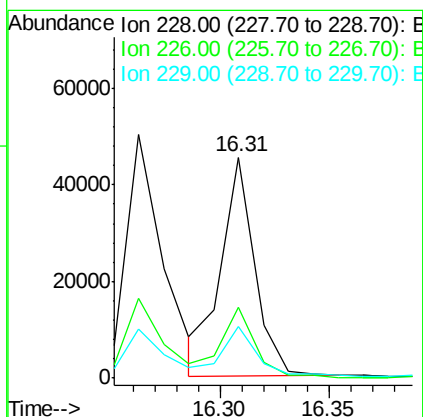
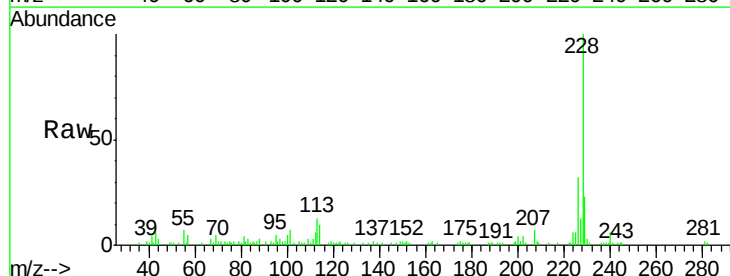
Instrument :
BNA_F
ClientSampleId :
SB-10-COMP

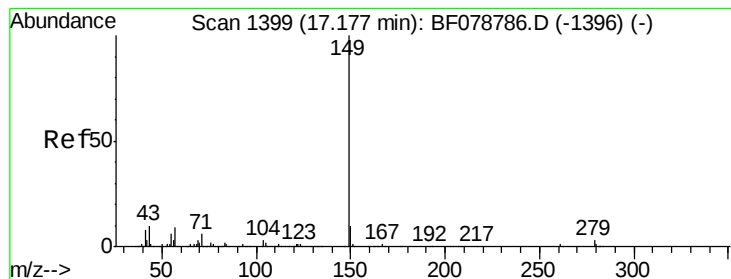
Tgt Ion: 228 Resp: 61508
Ion Ratio Lower Upper
228 100
226 33.0 22.6 33.8
229 20.2 15.9 23.9



#82
Chrysene
Concen: 2.87 ng
RT: 16.31 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF078834.D
Acq: 30 Apr 2015 3:15

Tgt Ion: 228 Resp: 48568
Ion Ratio Lower Upper
228 100
226 32.1 24.9 37.3
229 23.2 16.0 24.0





#84

Di-n-octyl phthalate

Concen: 7.02 ng

RT: 17.11 min Scan# 1393

Delta R.T. 0.00 min

Lab File: BF078834.D

Acq: 30 Apr 2015 3:15

Instrument :

BNA_F

ClientSampleId :

SB-10-COMP

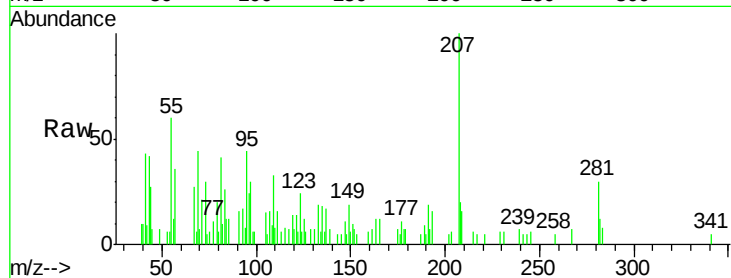
Tgt Ion:149 Resp: 1671

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

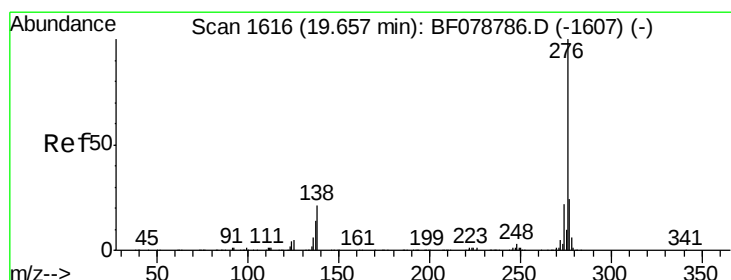
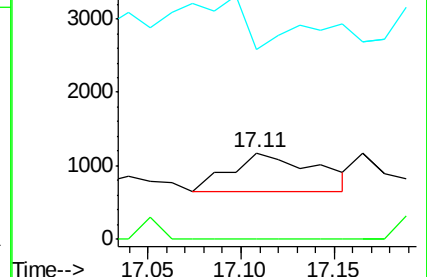
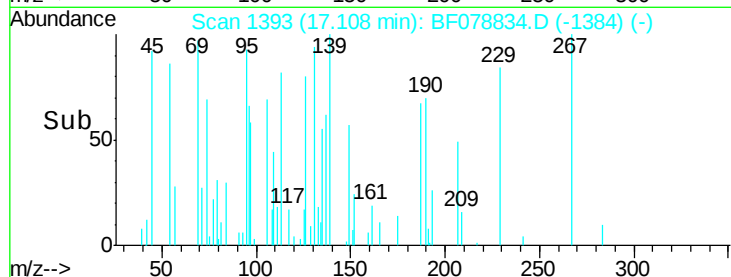
43 58.9 0.0 0.0#



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: 2.49 ng

RT: 19.50 min Scan# 1602

Delta R.T. -0.03 min

Lab File: BF078834.D

Acq: 30 Apr 2015 3:15

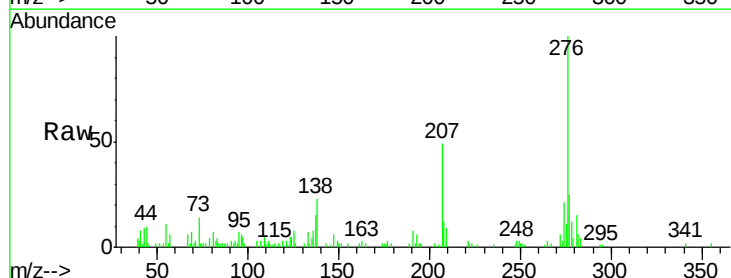
Tgt Ion:276 Resp: 47730

Ion Ratio Lower Upper

276 100

138 32.9 0.0 0.0#

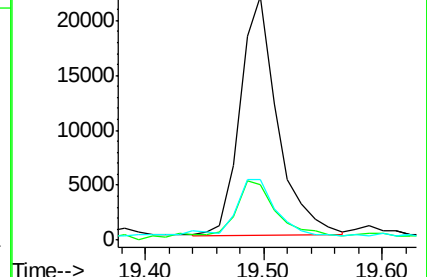
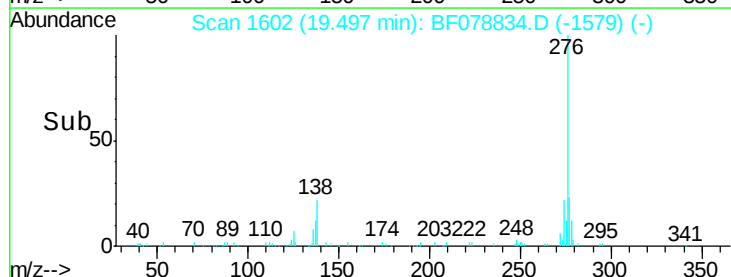
277 29.3 0.0 0.0#

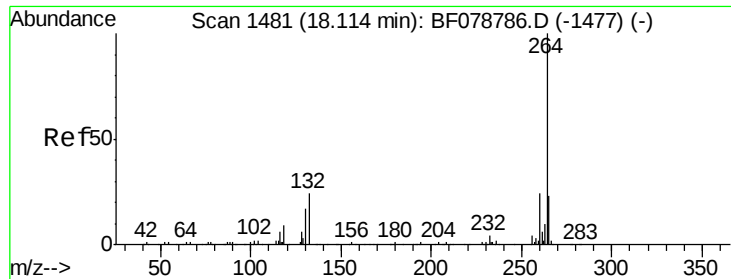


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



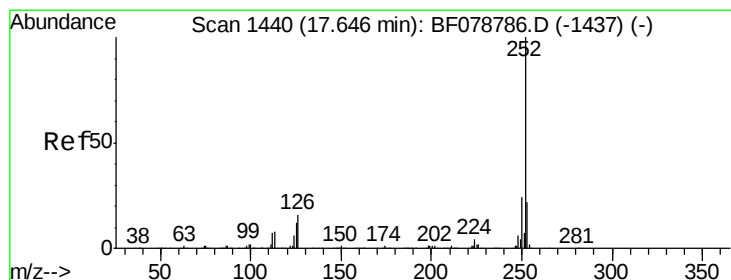
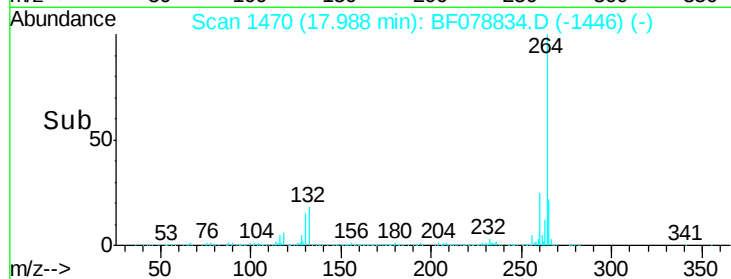
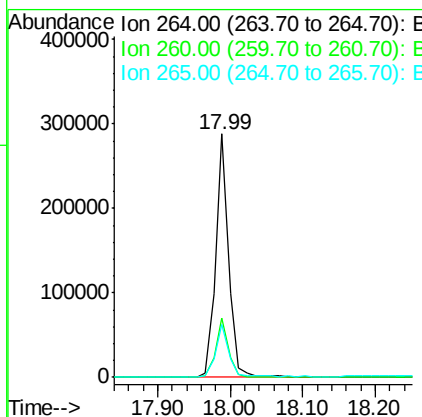
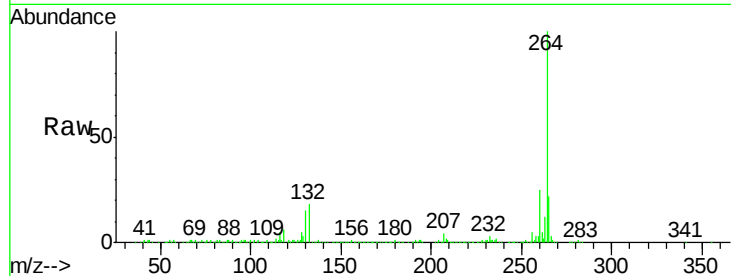


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.99 min Scan# 1470
Delta R.T. -0.02 min
Lab File: BF078834.D
Acq: 30 Apr 2015 3:15

Instrument :
BNA_F
ClientSampleId :
SB-10-COMP

Tgt Ion: 264 Resp: 357468

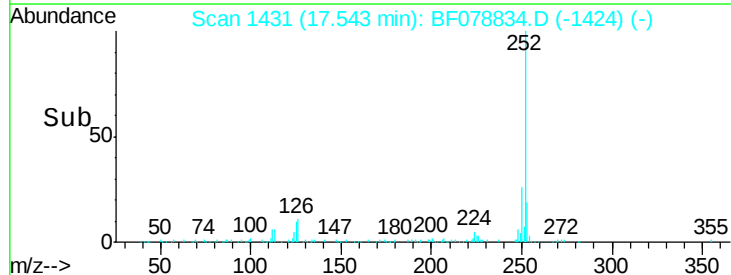
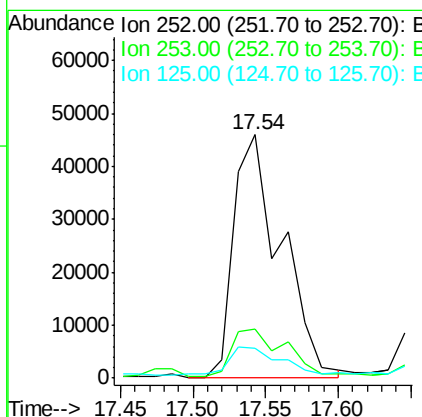
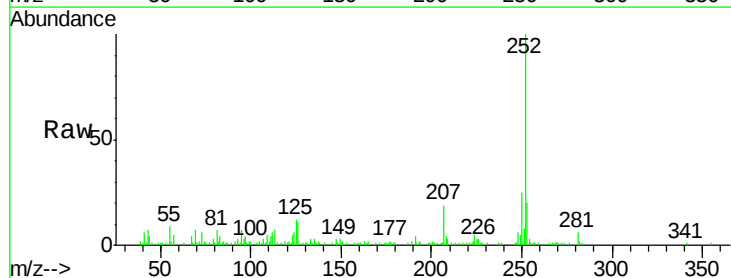
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.2
265	21.7	18.3	27.5

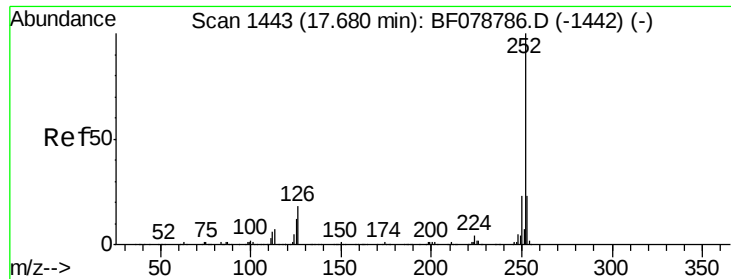


#87
Benzo(b)fluoranthene
Concen: 5.42 ng
RT: 17.54 min Scan# 1431
Delta R.T. -0.02 min
Lab File: BF078834.D
Acq: 30 Apr 2015 3:15

Tgt Ion: 252 Resp: 104899

Ion	Ratio	Lower	Upper
252	100		
253	20.4	17.7	26.5
125	12.3	9.5	14.3

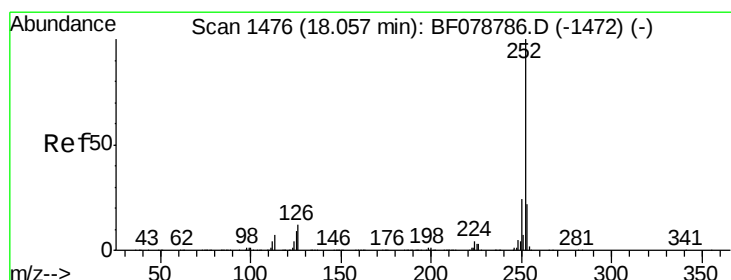
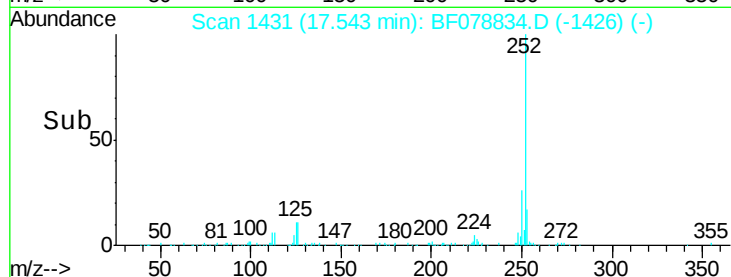
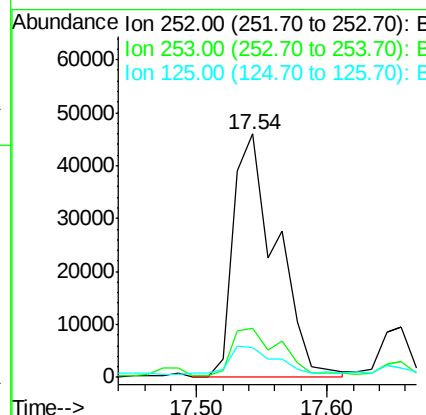
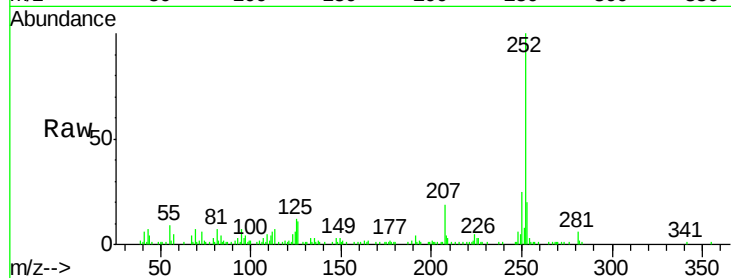




#88
 Benzo(k)fluoranthene
 Concen: 5.63 ng
 RT: 17.54 min Scan# 1431
 Delta R.T. -0.05 min
 Lab File: BF078834.D
 Acq: 30 Apr 2015 3:15

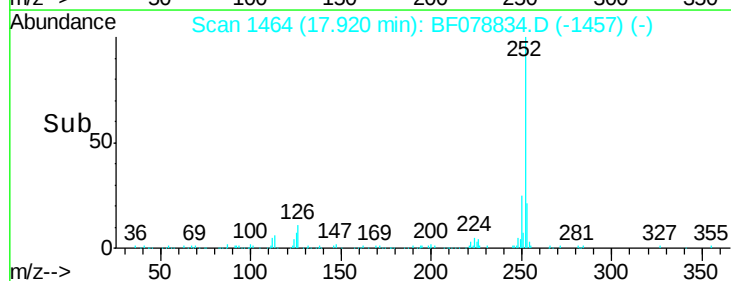
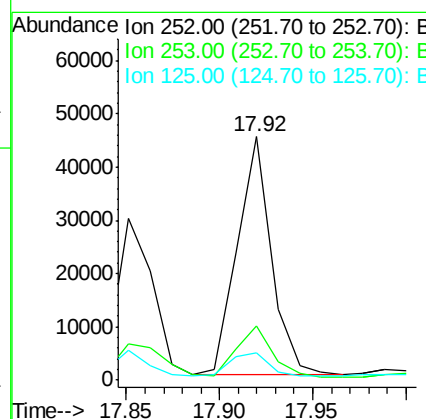
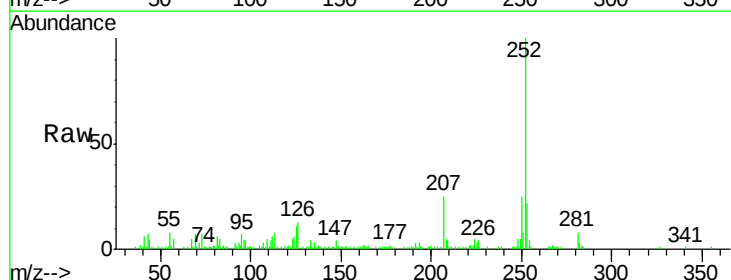
Instrument :
 BNA_F
 ClientSampleId :
 SB-10-COMP

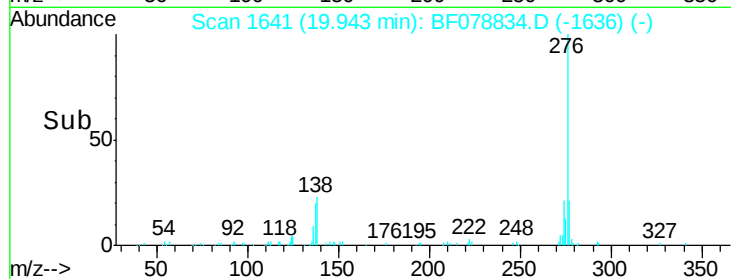
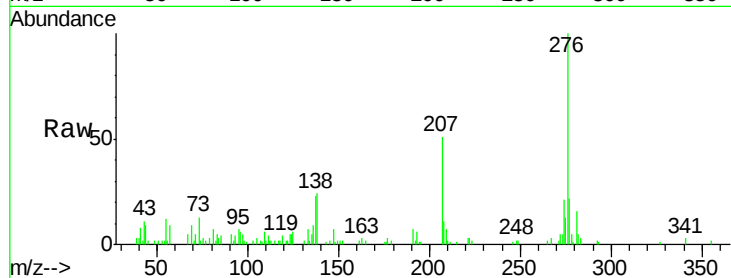
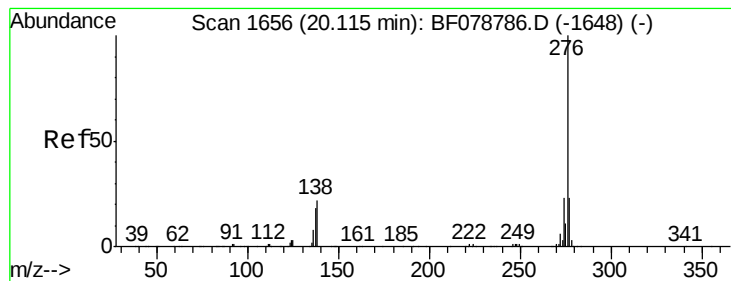
Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.4	18.1	27.1
125	12.3	10.0	15.0



#89
 Benzo(a)pyrene
 Concen: 3.31 ng
 RT: 17.92 min Scan# 1464
 Delta R.T. -0.02 min
 Lab File: BF078834.D
 Acq: 30 Apr 2015 3:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	11.3	7.0	10.6





#91

Benzo(g,h,i)perylene

Concen: 2.85 ng

RT: 19.94 min Scan# 1641

Delta R.T. -0.05 min

Lab File: BF078834.D

Acq: 30 Apr 2015 3:15

Instrument :

BNA_F

ClientSampleId :

SB-10-COMP

Tgt Ion: 276 Resp: 51218

Ion Ratio Lower Upper

276 100

277 22.2 18.6 28.0

138 24.3 17.4 26.0

