

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042915\
 Data File : BF078834.D
 Acq On : 30 Apr 2015 3:15
 Operator : TP/IZ
 Sample : G2022-14
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-10-COMP

Quant Time: Apr 30 04:07:13 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

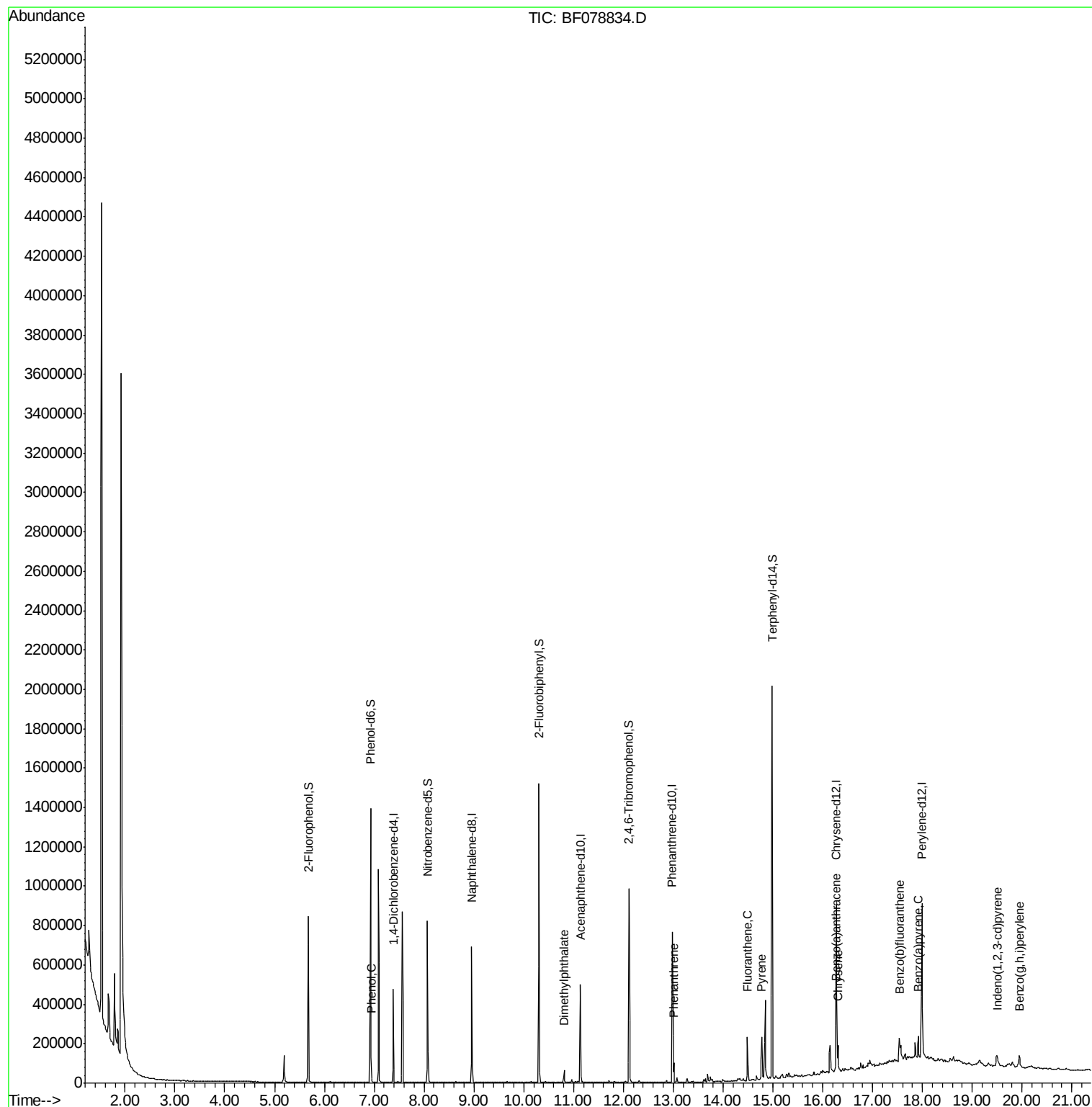
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	67935	20.00	ng	0.00
21) Naphthalene-d8	8.96	136	289214	20.00	ng	0.00
38) Acenaphthene-d10	11.14	164	136556	20.00	ng	0.00
63) Phenanthrene-d10	12.98	188	292424	20.00	ng	0.00
75) Chrysene-d12	16.27	240	323299	20.00	ng	-0.01
86) Perylene-d12	17.99	264	357468	20.00	ng	-0.02
System Monitoring Compounds						
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						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
85) Indeno(1,2,3-cd)pyrene	19.50	276	47730	2.49	ng	# 100
87) Benzo(b)fluoranthene	17.54	252	76266m	3.94	ng	
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

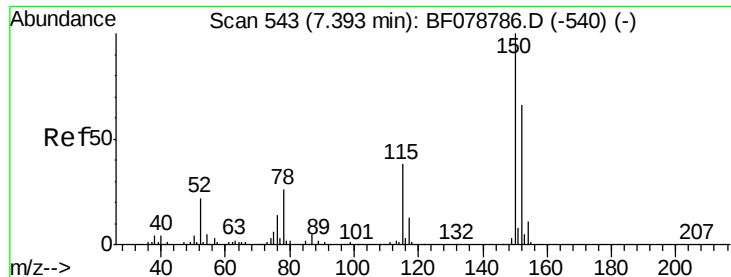
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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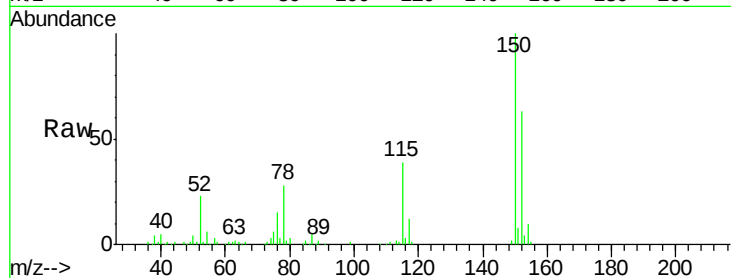


#1

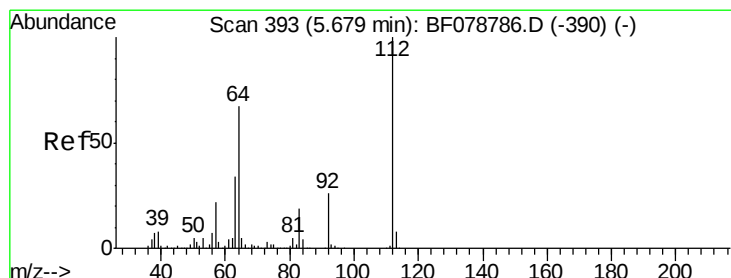
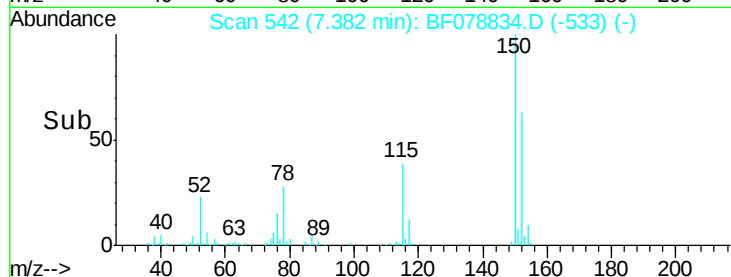
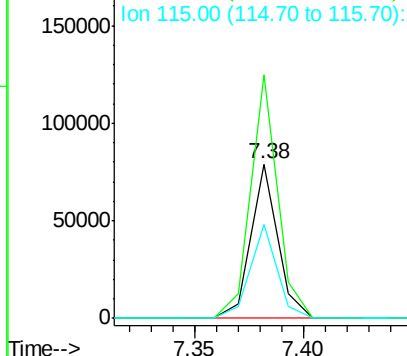
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF078834.D
Acq: 30 Apr 2015 3:15

Instrument :
BNA_F
ClientSampleId :
SB-10-COMP

Tot Ion:152 Resp: 67935
Ion Ratio Lower Upper
152 100
150 157.8 122.0 183.0
115 60.8 46.3 69.5



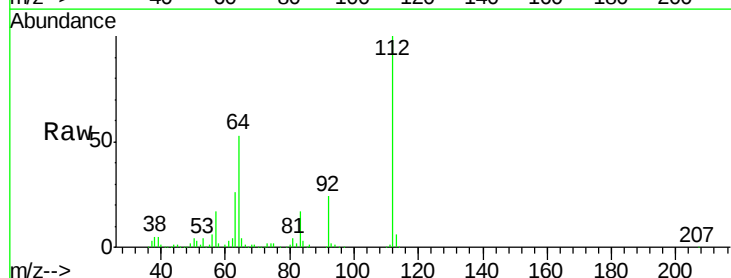
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



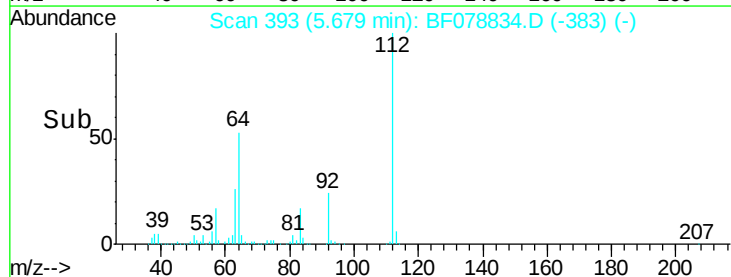
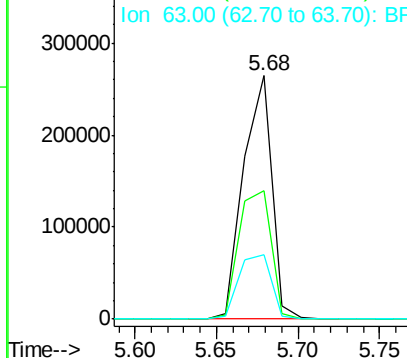
#5

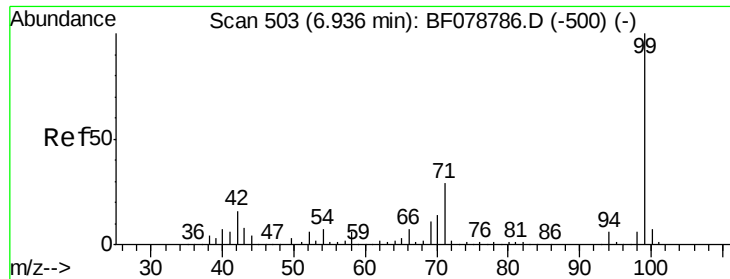
2-Fluorophenol
Concen: 86.06 ng
RT: 5.68 min Scan# 393
Delta R.T. 0.01 min
Lab File: BF078834.D
Acq: 30 Apr 2015 3:15

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

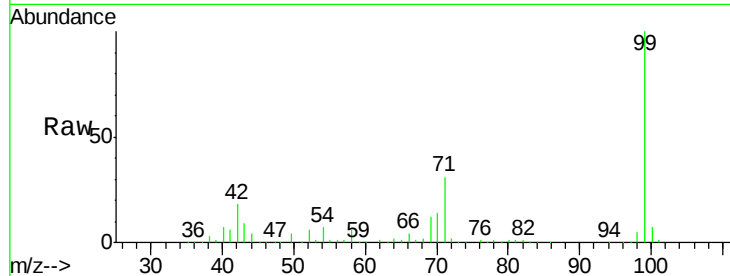
Tot Ion: 99 Resp: 457445

Ion Ratio Lower Upper

99 100

42 17.8 12.8 19.2

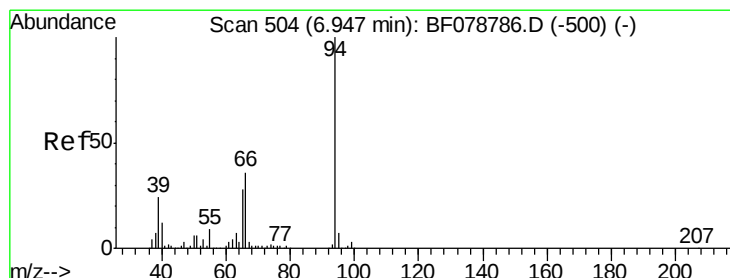
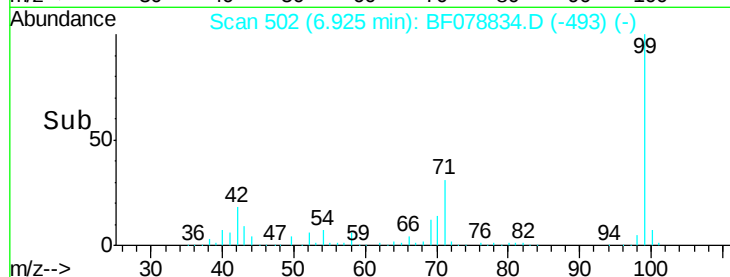
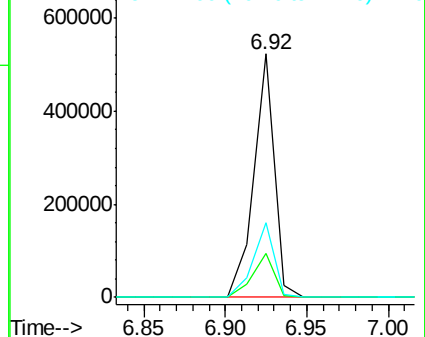
71 30.8 23.4 35.2



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

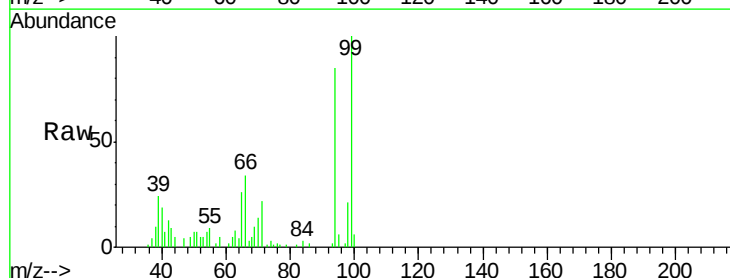
Tgt Ion: 94 Resp: 18592

Ion Ratio Lower Upper

94 100

65 30.9 8.5 48.5

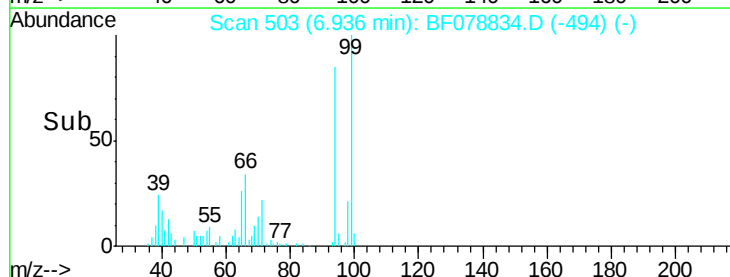
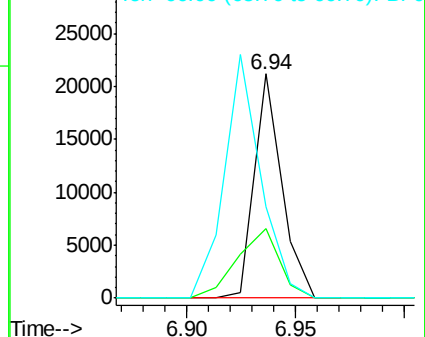
66 40.6 16.0 56.0

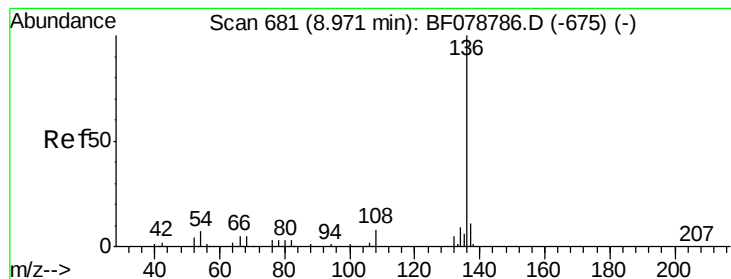


Abundance Ion 94.00 (93.70 to 94.70): BF0

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

Tot Ion:136 Resp: 289214

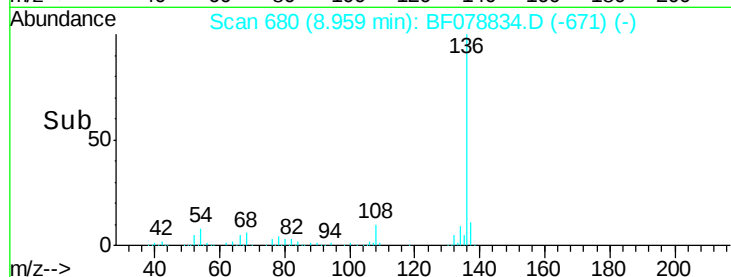
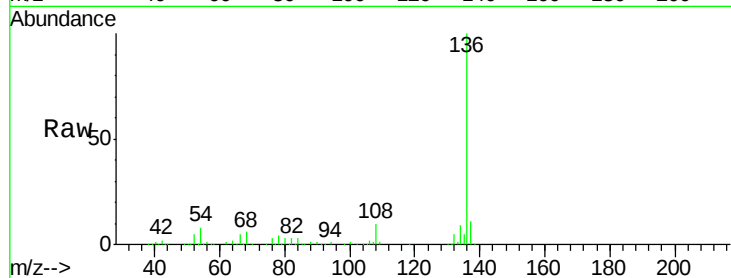
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 8.2 5.8 8.8

68 5.9 4.2 6.4

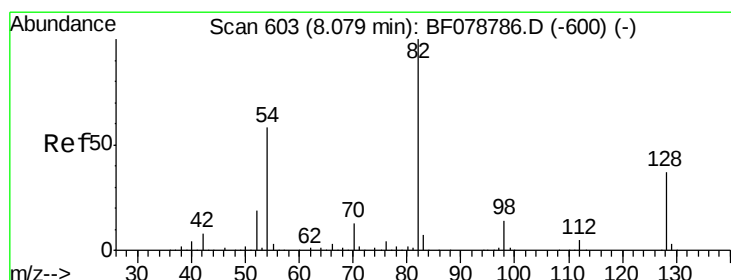
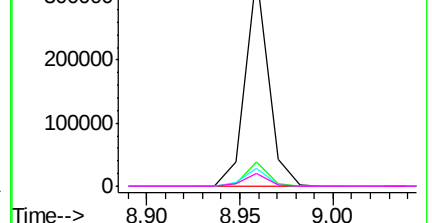


Abundance Ion 136.00 (135.70 to 136.70): E

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

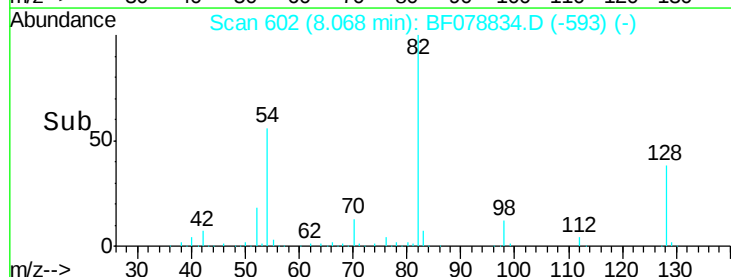
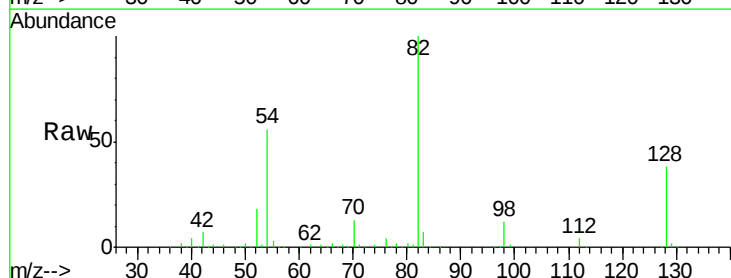
Tgt Ion: 82 Resp: 240728

Ion Ratio Lower Upper

82 100

128 38.4 30.0 45.0

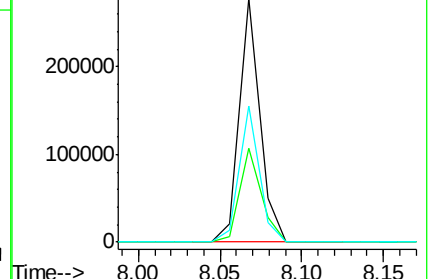
54 55.9 46.4 69.6

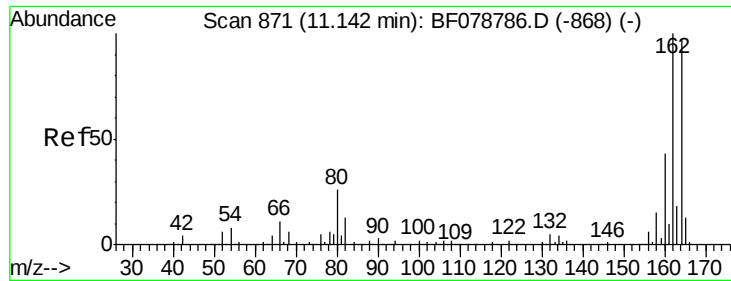


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

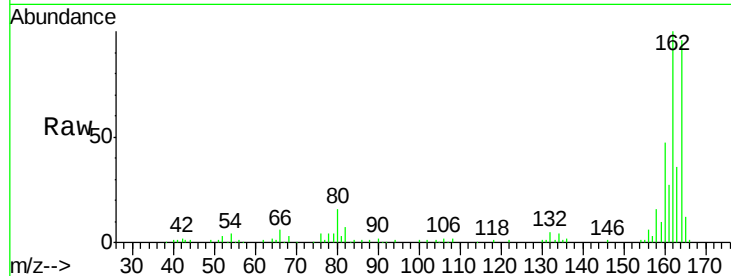




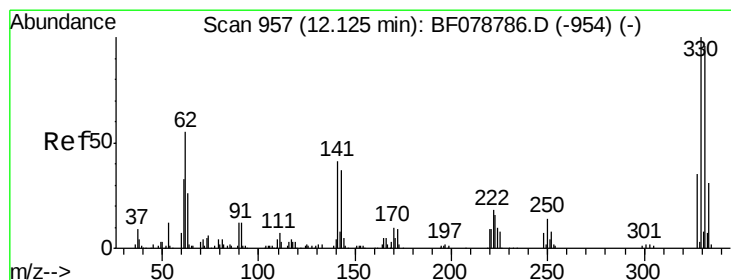
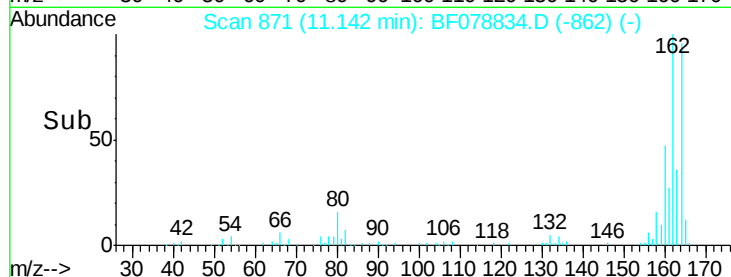
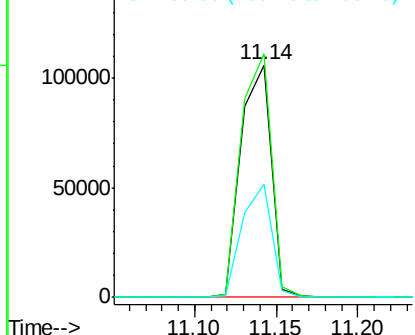
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 871
Delta R.T. 0.00 min
Lab File: BF078834.D
Acq: 30 Apr 2015 3:15

Instrument :
BNA_F
ClientSampleId :
SB-10-COMP

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

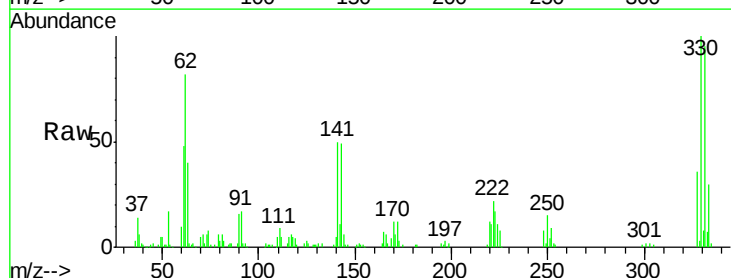


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

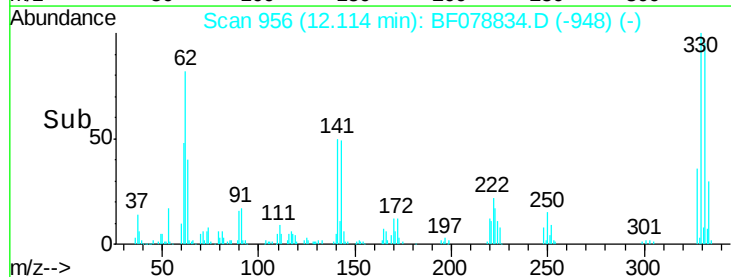
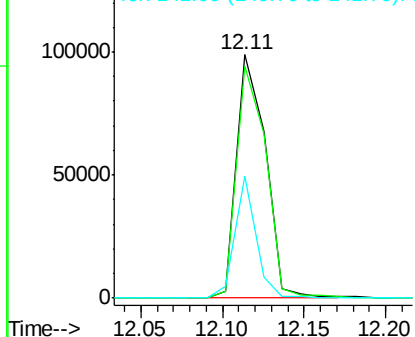


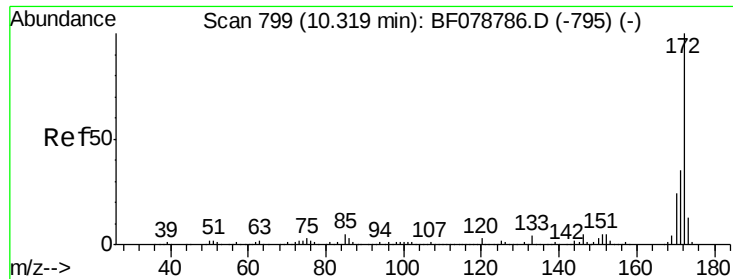
#41
2,4,6-Tribromophenol
Concen: 90.63 ng
RT: 12.11 min Scan# 956
Delta R.T. -0.01 min
Lab File: BF078834.D
Acq: 30 Apr 2015 3:15

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

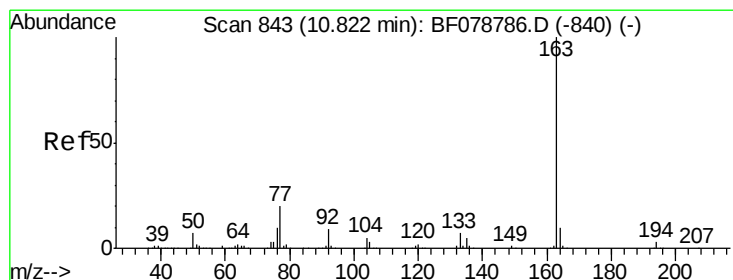
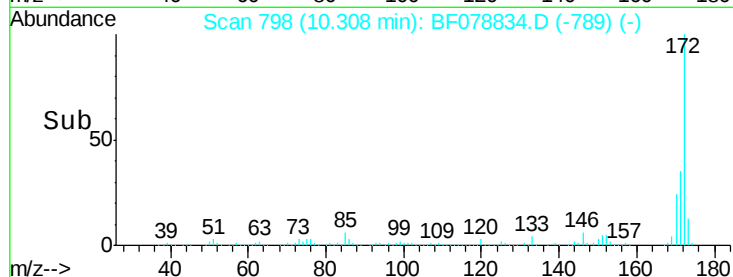
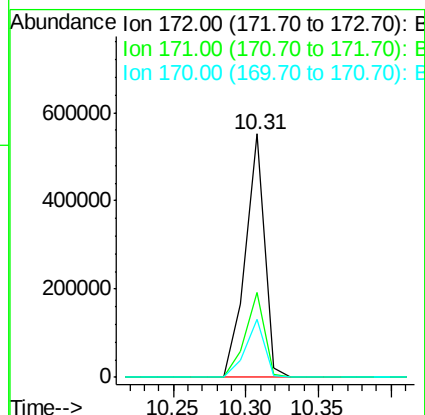
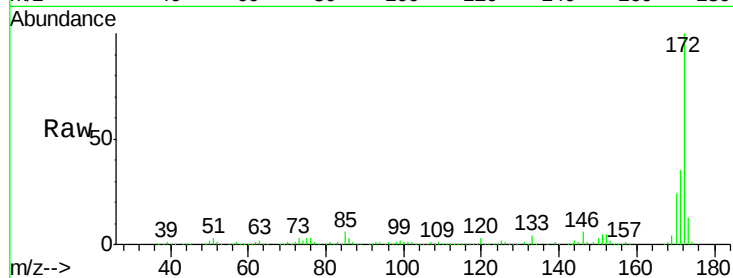




#44
2-Fluorobiphenyl
Concen: 51.34 ng
RT: 10.31 min Scan# 798
Delta R.T. 0.00 min
Lab File: BF078834.D
Acq: 30 Apr 2015 3:15

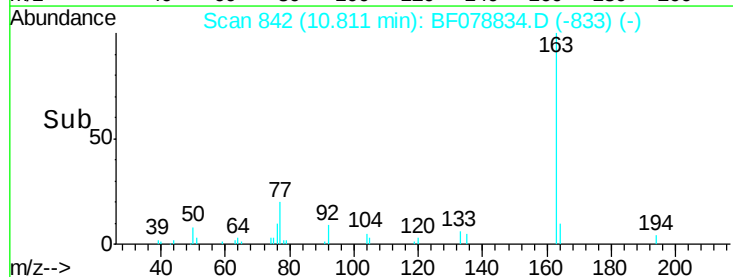
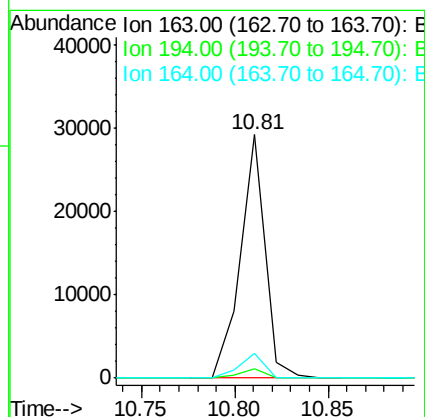
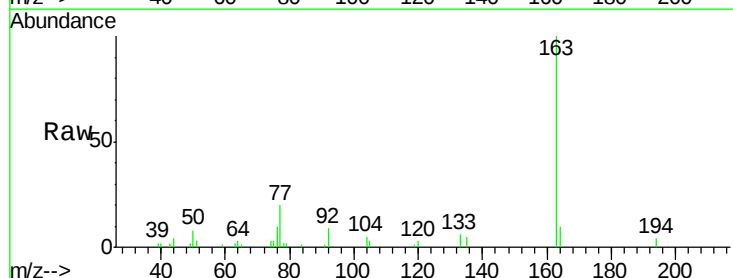
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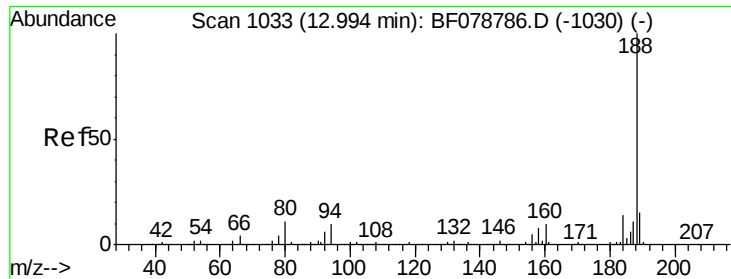
Tot Ion:172 Resp: 511900
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 23.8 19.4 29.0



#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

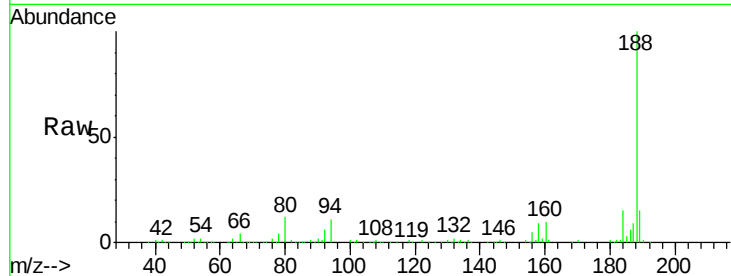




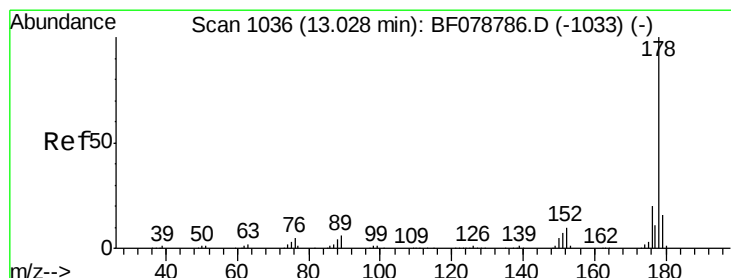
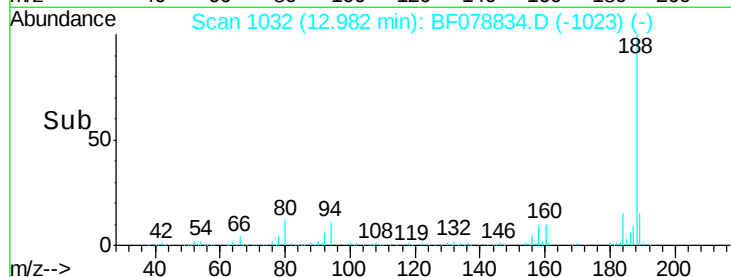
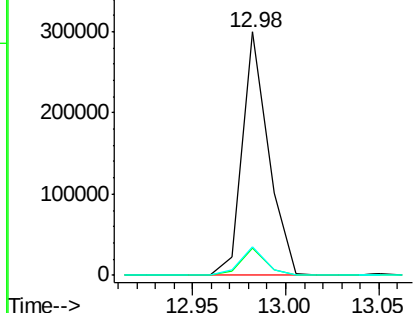
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.98 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF078834.D
Acq: 30 Apr 2015 3:15

Instrument :
BNA_F
ClientSampleId :
SB-10-COMP

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

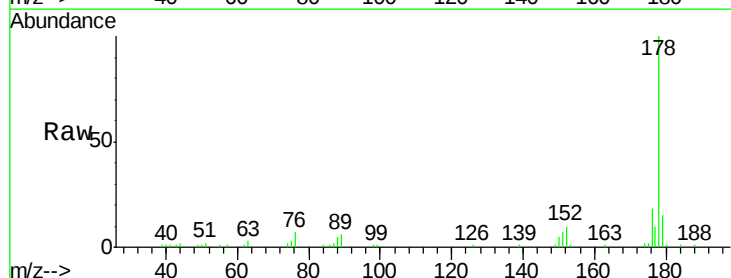


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

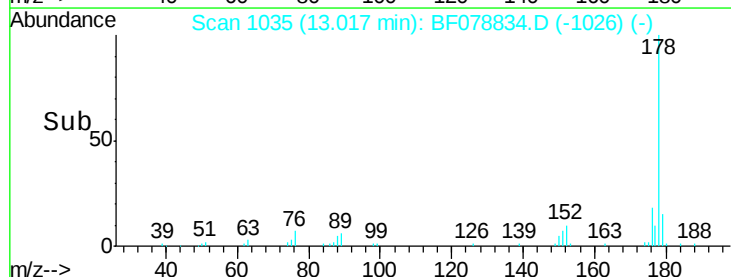
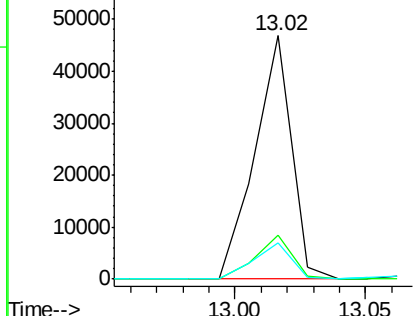


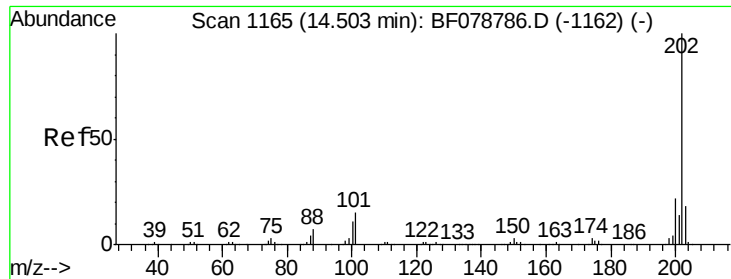
#70
Phenanthrene
Concen: 2.91 ng
RT: 13.02 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF078834.D
Acq: 30 Apr 2015 3:15

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

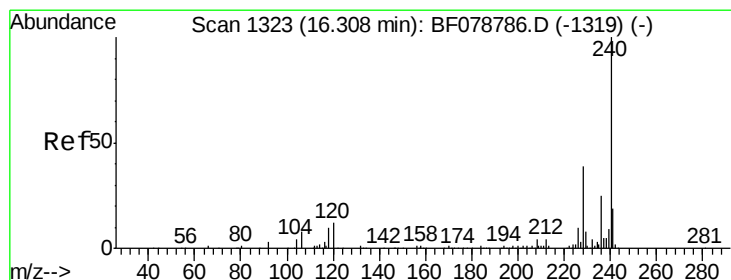
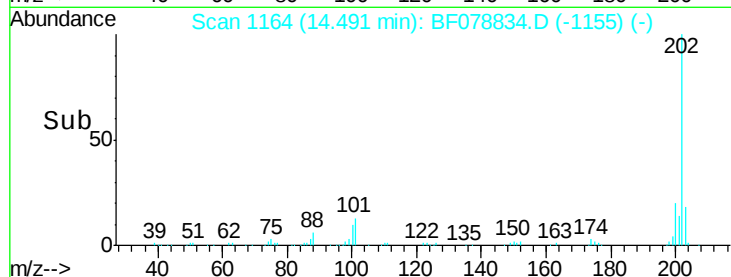
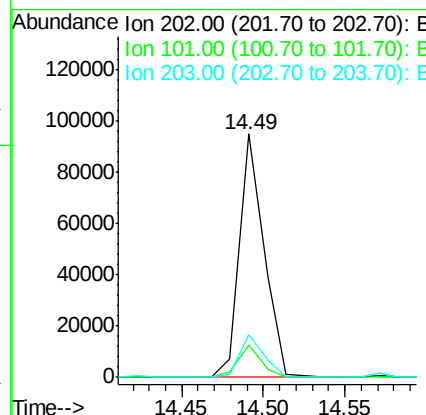
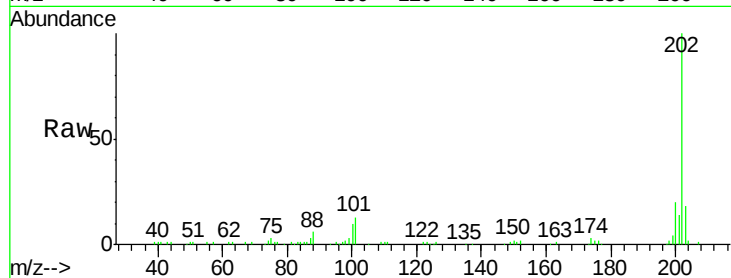




#74
Fluoranthene
Concen: 6.25 ng
RT: 14.49 min Scan# 1164
Delta R.T. 0.00 min
Lab File: BF078834.D
Acq: 30 Apr 2015 3:15

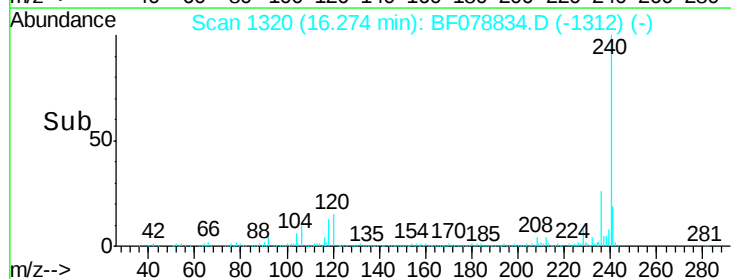
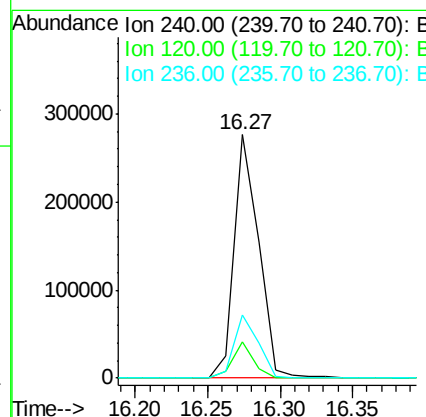
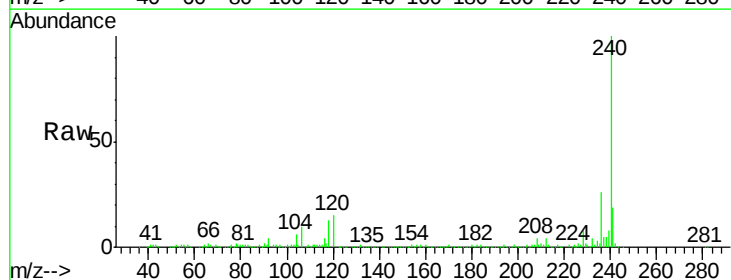
Instrument :
BNA_F
ClientSampleId :
SB-10-COMP

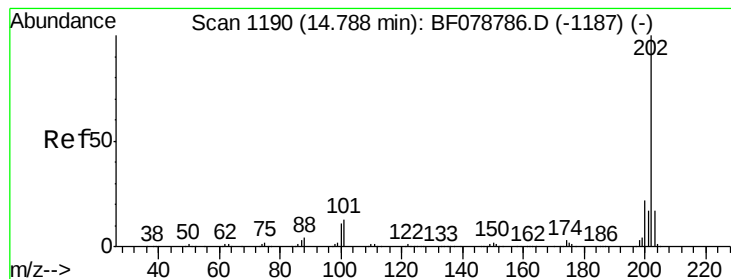
Tot Ion:202 Resp: 98607
Ion Ratio Lower Upper
202 100
101 13.3 0.0 34.6
203 17.7 0.0 38.4



#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:240 Resp: 323299
Ion Ratio Lower Upper
240 100
120 14.7 9.7 14.5#
236 25.9 20.2 30.4





#77

Pvrene

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

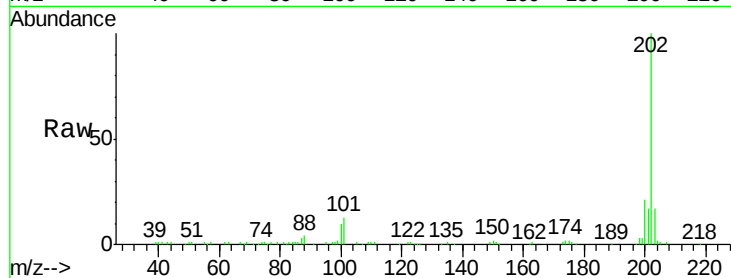
Tot Ion:202 Resp: 95750

Ion Ratio Lower Upper

202 100

200 21.3 17.5 26.3

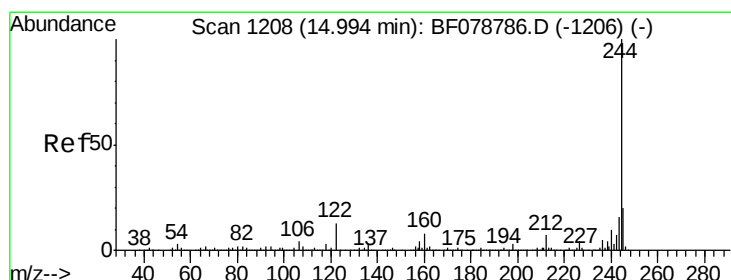
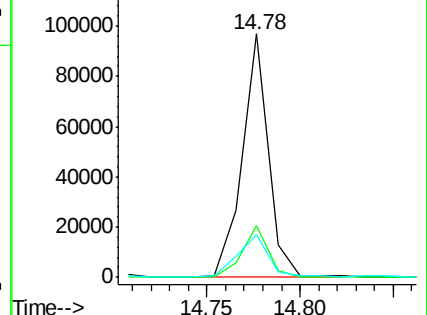
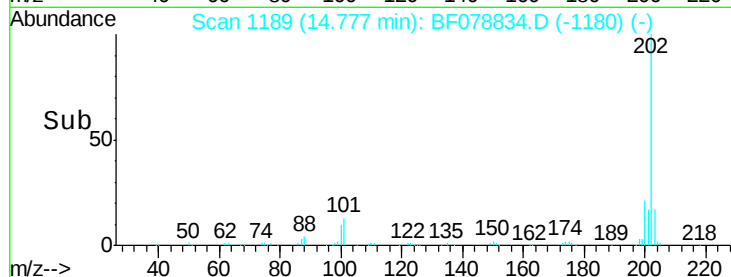
203 17.4 13.9 20.9



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

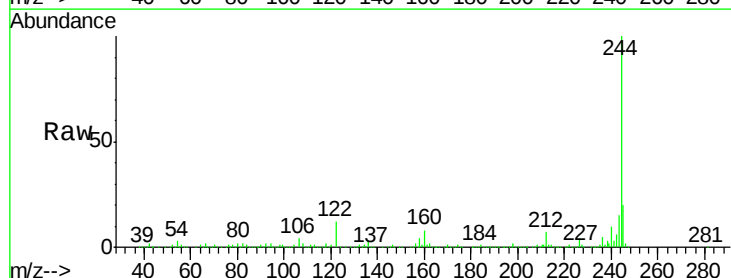
Tgt Ion:244 Resp: 653838

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

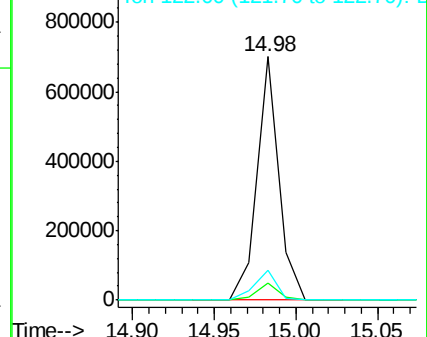
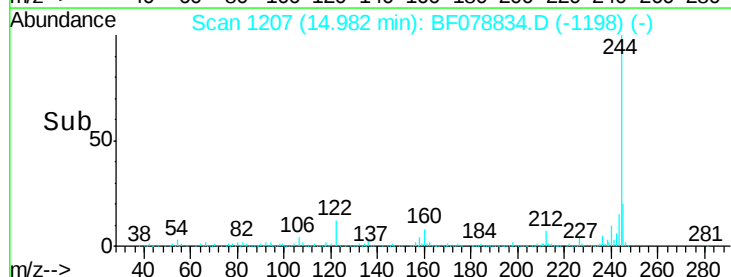
122 12.1 10.3 15.5

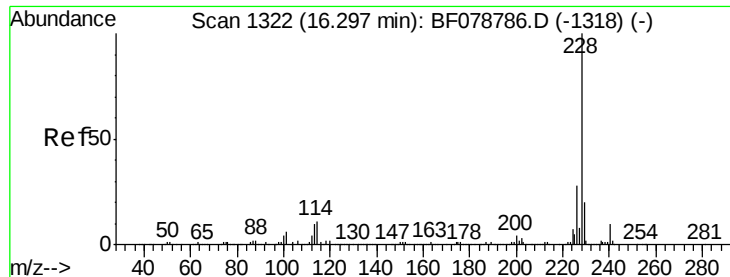


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

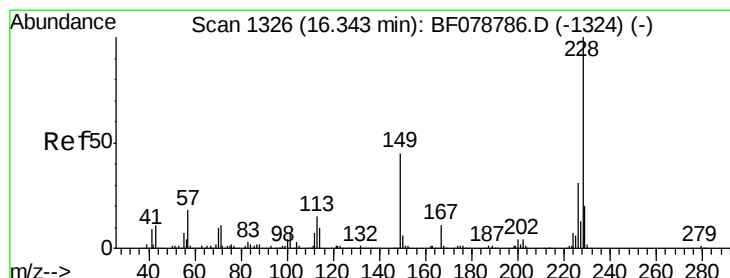
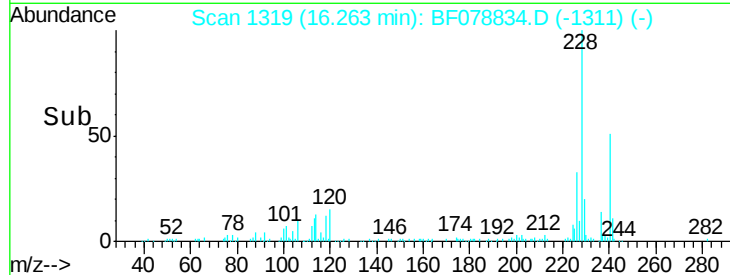
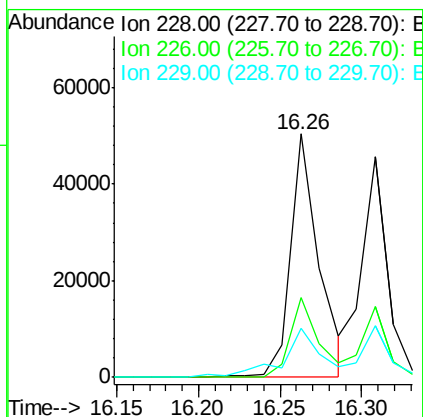
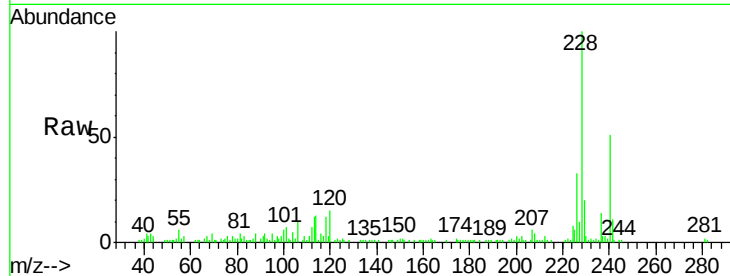




#80
Benzo(a)anthracene
Concen: 3.55 ng
RT: 16.26 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF078834.D
Acq: 30 Apr 2015 3:15

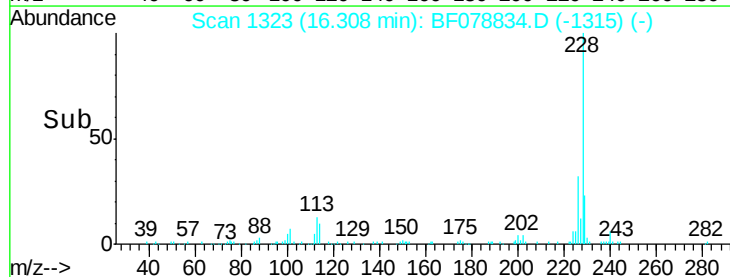
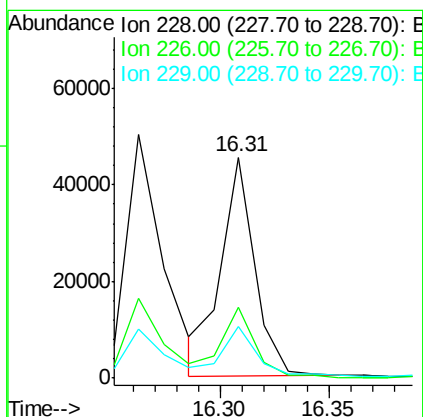
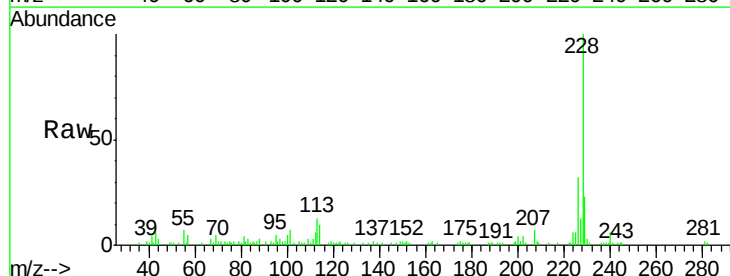
Instrument :
BNA_F
ClientSampleId :
SB-10-COMP

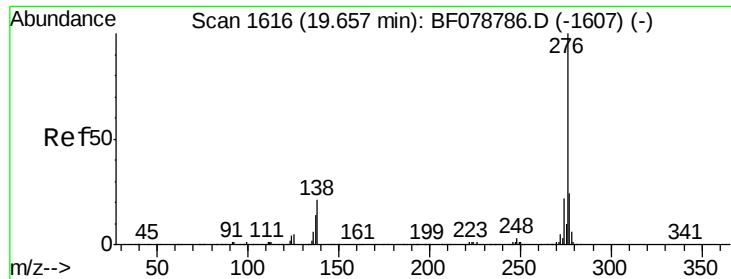
Tot Ion:228 Resp: 61508
Ion Ratio Lower Upper
228 100
226 33.0 22.6 33.8
229 20.2 15.9 23.9



#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

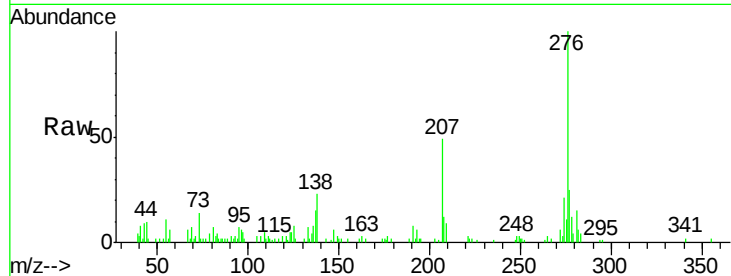




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.49 ng
 RT: 19.50 min Scan# 1602
 Delta R.T. -0.03 min
 Lab File: BF078834.D
 Acq: 30 Apr 2015 3:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-10-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.9	0.0	0.0#
277	29.3	0.0	0.0#

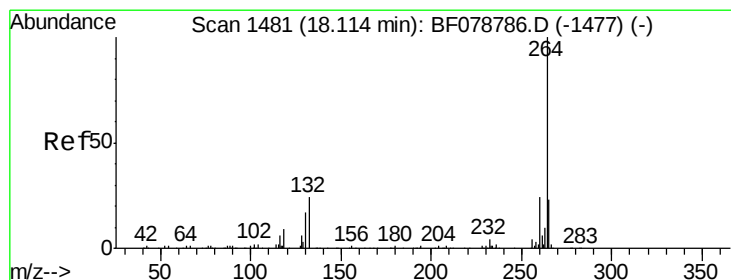
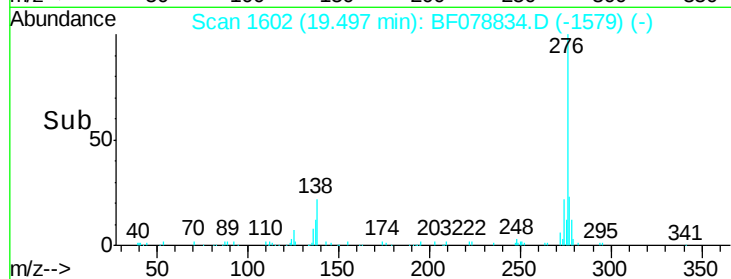
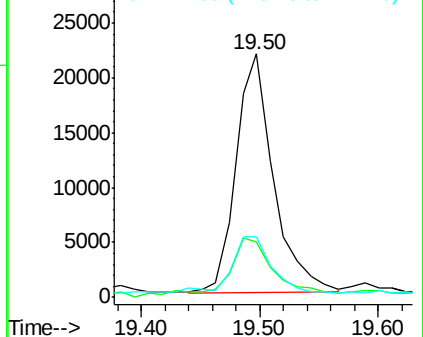


Abundance

Ion 276.00 (275.70 to 276.70): E

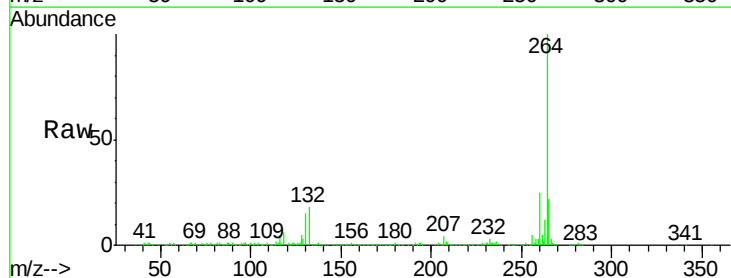
Ion 138.00 (137.70 to 138.70): E

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

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

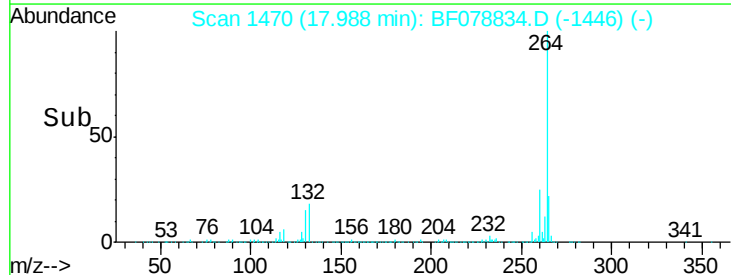
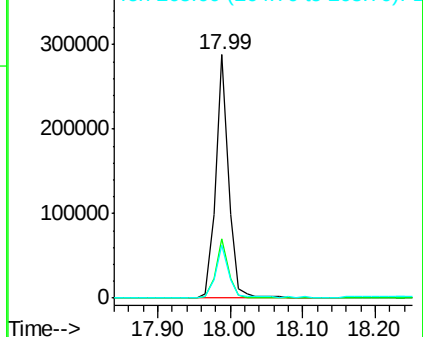


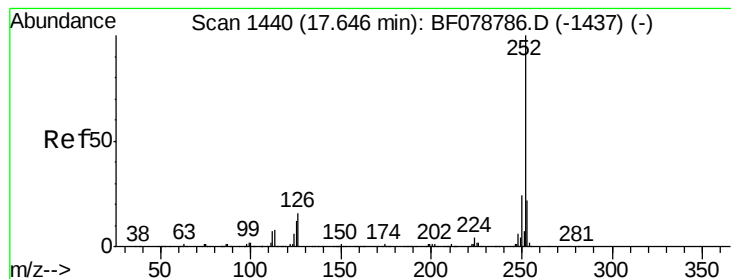
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.94 ng

RT: 17.54 min Scan# 1431

Delta R.T. -0.02 min

Lab File: BF078834.D

Acq: 30 Apr 2015 3:15

Instrument :

BNA_F

ClientSampleId :

SB-10-COMP

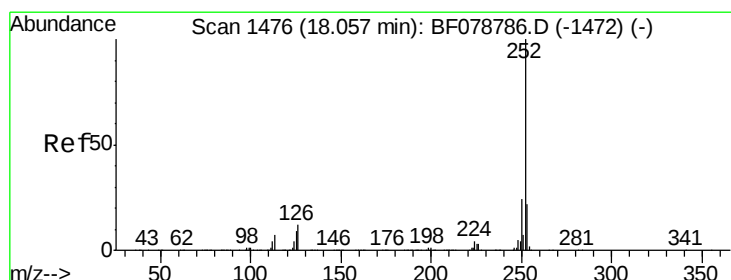
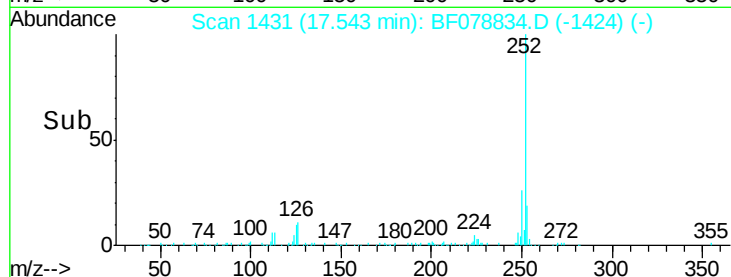
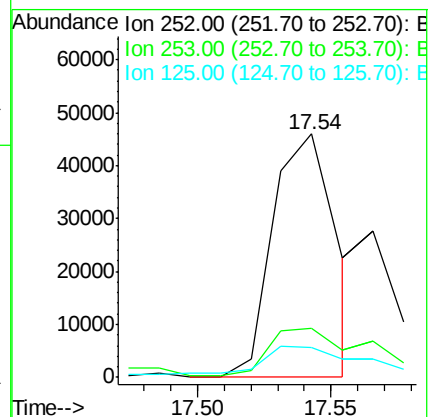
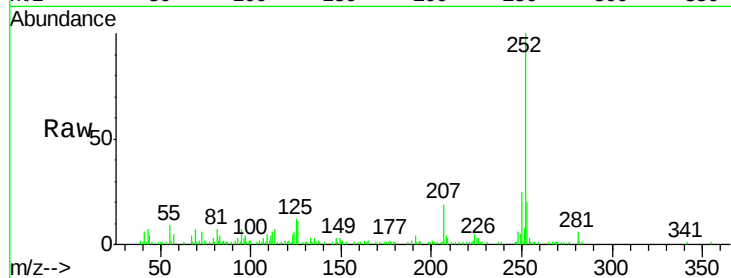
Tot Ion:252 Resp: 76266

Ion Ratio Lower Upper

252 100

253 20.4 17.7 26.5

125 12.3 9.5 14.3



#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

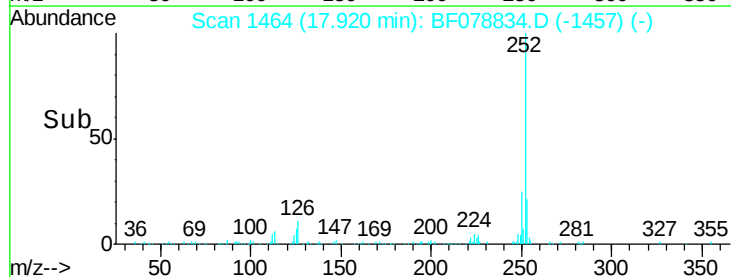
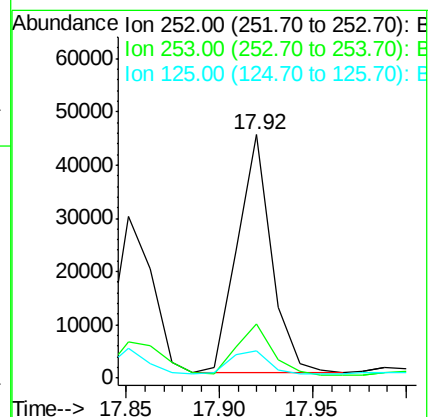
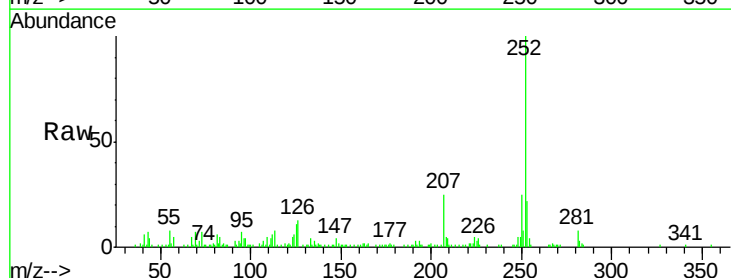
Tgt Ion:252 Resp: 57352

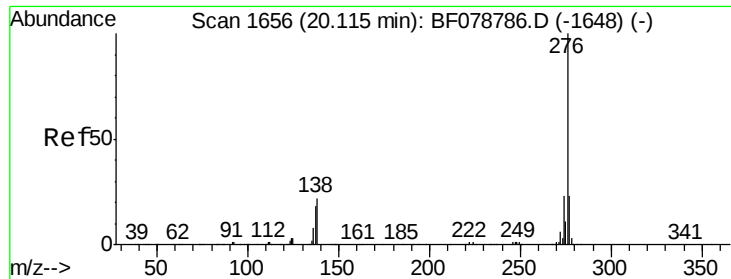
Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 11.3 7.0 10.6#





#91
 Benzo(a,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

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.2	18.6	28.0
138	24.3	17.4	26.0

