

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032715\
 Data File : BF078075.D
 Acq On : 28 Mar 2015 11:43
 Operator : TP/IZ
 Sample : G1667-12
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 REC-7-1-1(1.5-2.0)

Quant Time: Mar 30 00:17:50 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 30 00:50:20 2015
 Response via : Initial Calibration

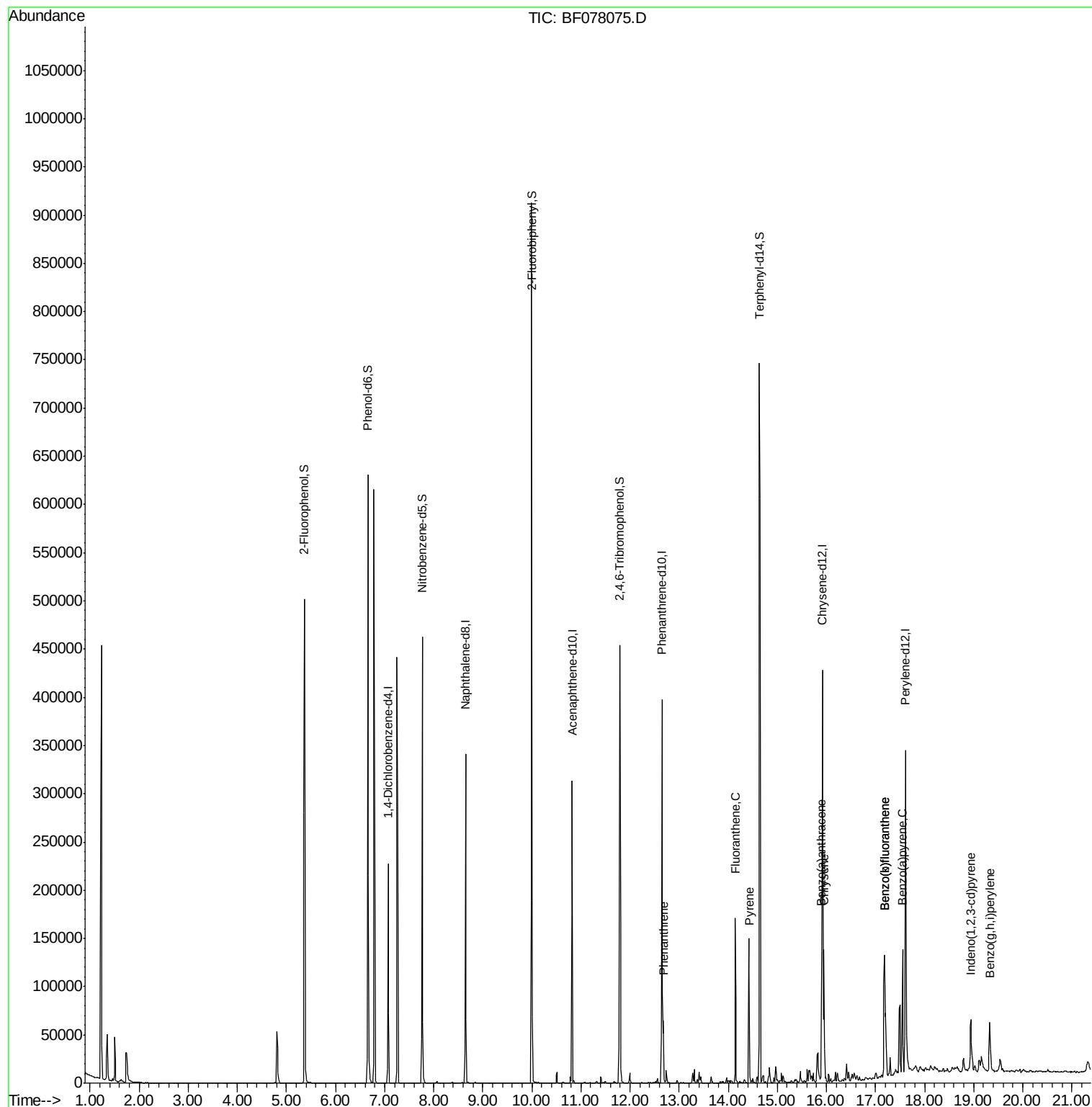
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.07	152	39279	20.00	ng	0.00
21) Naphthalene-d8	8.65	136	158379	20.00	ng	0.00
38) Acenaphthene-d10	10.82	164	79173	20.00	ng	0.00
63) Phenanthrene-d10	12.65	188	156301	20.00	ng	0.00
75) Chrysene-d12	15.92	240	172782	20.00	ng	-0.01
86) Perylene-d12	17.61	264	170916	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	191039	84.90	ng	0.00
7) Phenol-d6	6.66	99	242473	87.21	ng	-0.01
23) Nitrobenzene-d5	7.77	82	141582	58.60	ng	-0.01
41) 2,4,6-Tribromophenol	11.79	330	57813	76.32	ng	-0.01
44) 2-Fluorobiphenyl	10.00	172	295099	54.78	ng	0.00
78) Terphenyl-d14	14.64	244	352416	49.82	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	12.68	178	37466	4.18	ng	99
74) Fluoranthene	14.15	202	86644	8.75	ng	94
76) Benzidine	14.35	184	206	Below Cal	#	68
77) Pyrene	14.43	202	81441	7.50	ng	98
80) Benzo(a)anthracene	15.91	228	62013	6.05	ng	100
82) Chrysene	15.95	228	59221	6.43	ng	97
85) Indeno(1,2,3-cd)pyrene	18.95	276	45721	3.98	ng	# 100
87) Benzo(b)fluoranthene	17.19	252	111527	10.00	ng	98
88) Benzo(k)fluoranthene	17.19	252	113035	12.97	ng	# 98
89) Benzo(a)pyrene	17.55	252	58235	6.26	ng	98
91) Benzo(g,h,i)perylene	19.33	276	42681	4.54	ng	99

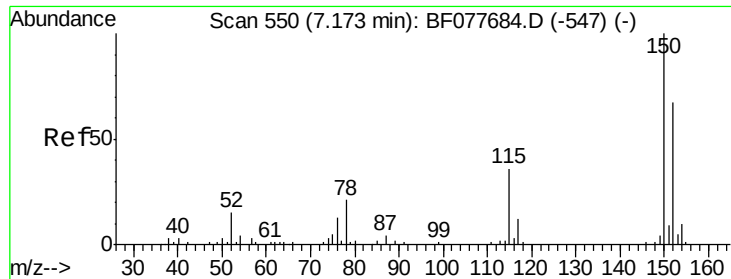
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F
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REC-7-1-1(1.5-2.0)

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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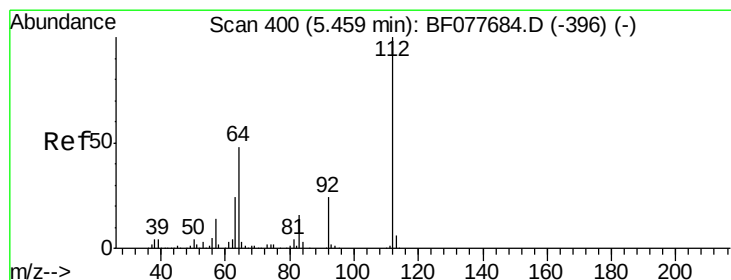
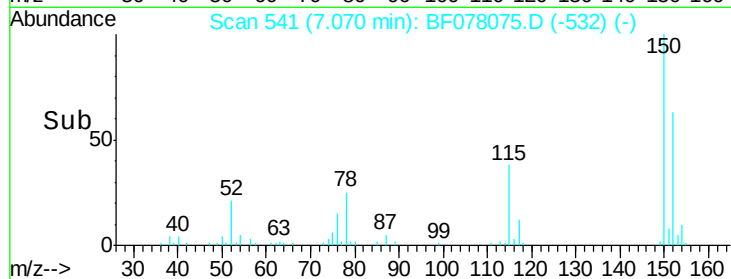
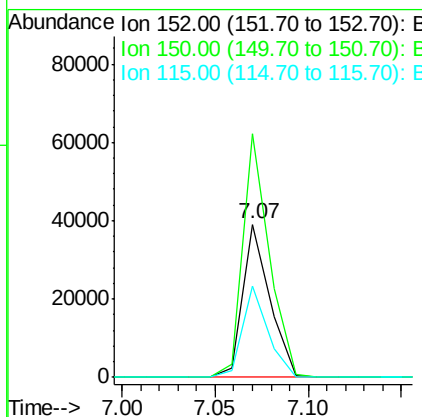
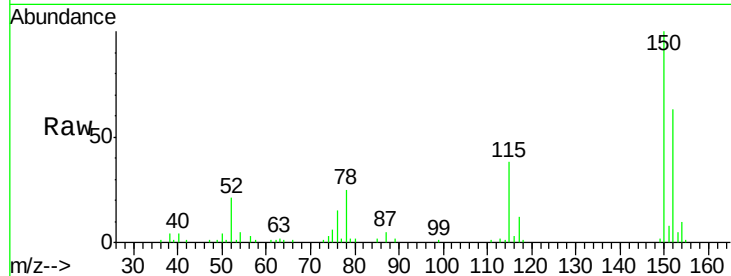


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.07 min Scan# 541
Delta R.T. -0.00 min
Lab File: BF078075.D
Acq: 28 Mar 2015 11:43

Instrument :
BNA_F
ClientSampleId :
REC-7-1-1(1.5-2.0)

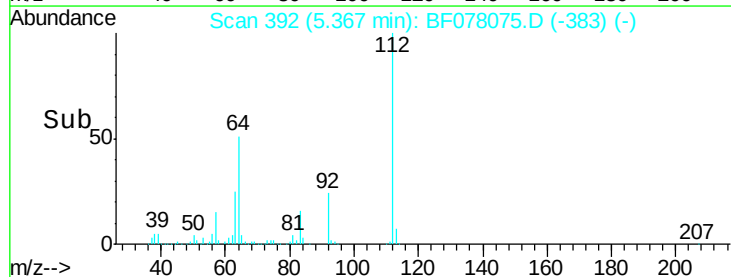
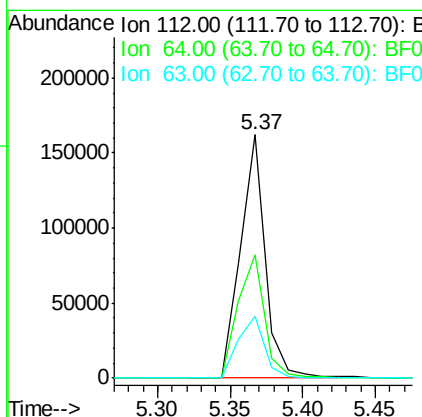
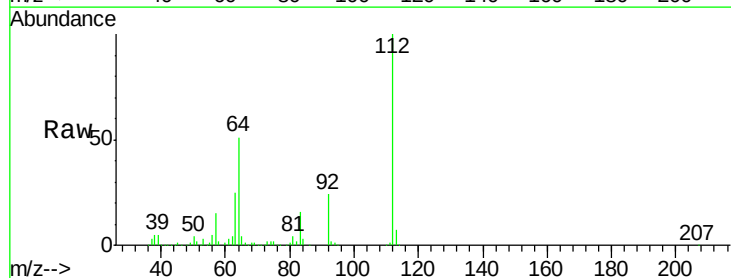
Tgt Ion:152 Resp: 39279
Ion Ratio Lower Upper
152 100
150 159.1 119.5 179.3
115 59.9 43.0 64.4

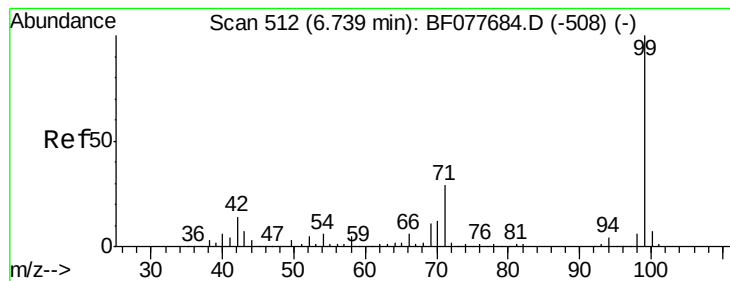


#5

2-Fluorophenol
Concen: 84.90 ng
RT: 5.37 min Scan# 392
Delta R.T. -0.00 min
Lab File: BF078075.D
Acq: 28 Mar 2015 11:43

Tgt Ion:112 Resp: 191039
Ion Ratio Lower Upper
112 100
64 50.7 38.6 57.8
63 25.4 19.3 28.9





#7

Phenol-d6

Concen: 87.21 ng

RT: 6.66 min Scan# 505

Delta R.T. -0.01 min

Lab File: BF078075.D

Acq: 28 Mar 2015 11:43

Instrument :

BNA_F

ClientSampleId :

REC-7-1-1(1.5-2.0)

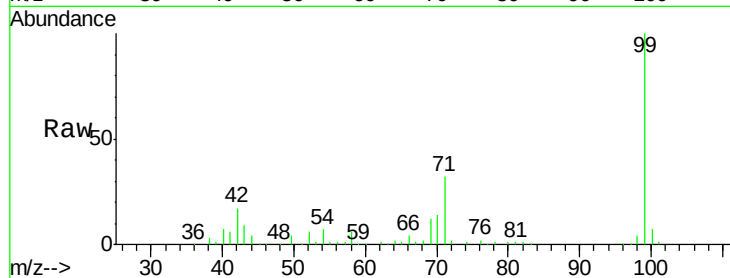
Tgt Ion: 99 Resp: 242473

Ion Ratio Lower Upper

99 100

42 17.3 11.0 16.4#

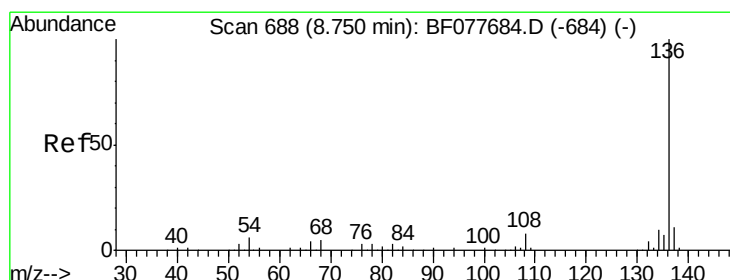
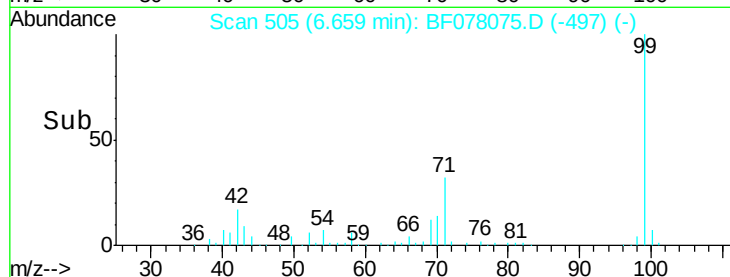
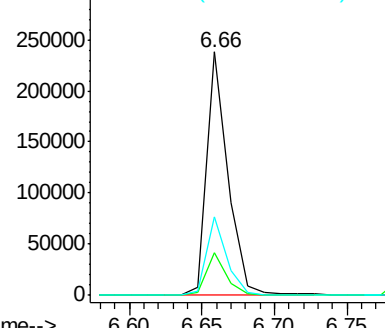
71 32.3 23.4 35.2



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: 8.65 min Scan# 679

Delta R.T. -0.00 min

Lab File: BF078075.D

Acq: 28 Mar 2015 11:43

Tgt Ion: 136 Resp: 158379

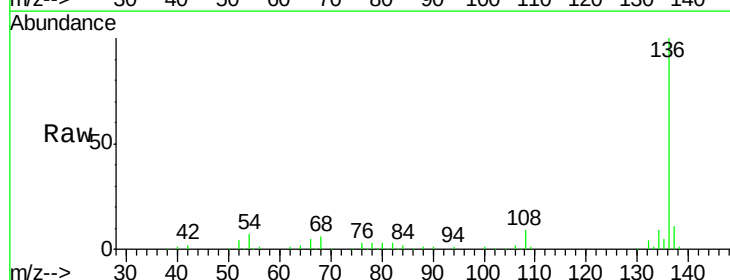
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 7.2 4.6 6.8#

68 5.7 3.7 5.5#

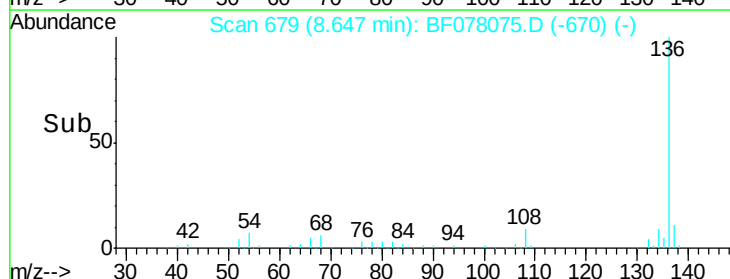
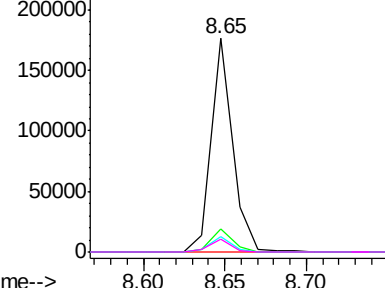


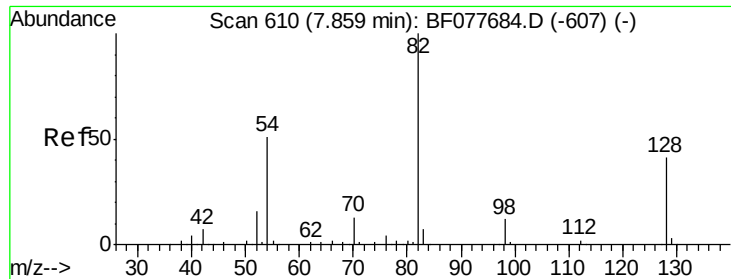
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

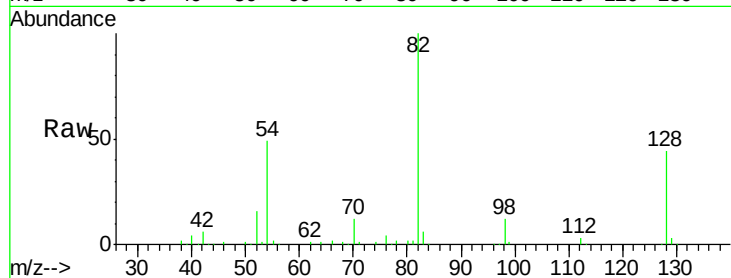




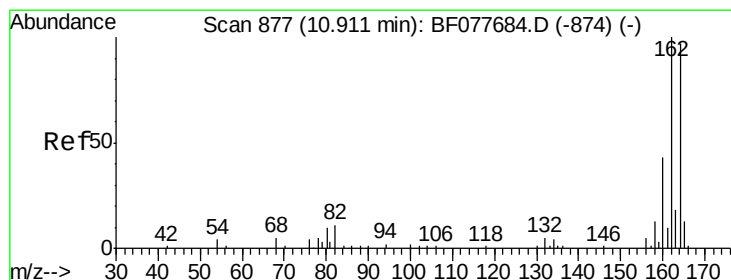
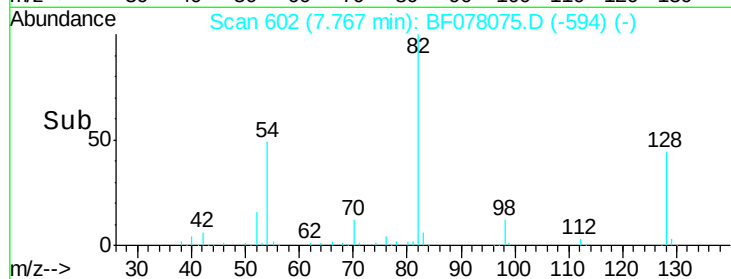
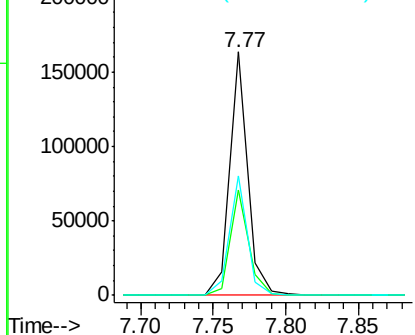
#23
 Nitrobenzene-d5
 Concen: 58.60 ng
 RT: 7.77 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BF078075.D
 Acq: 28 Mar 2015 11:43

Instrument :
 BNA_F
 ClientSampleId :
 REC-7-1-1(1.5-2.0)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.5	32.8	49.2
54	49.0	40.6	60.8

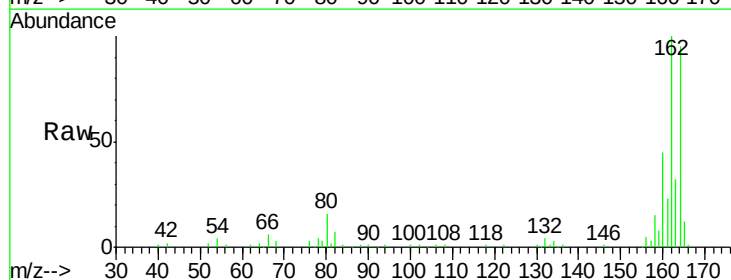


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

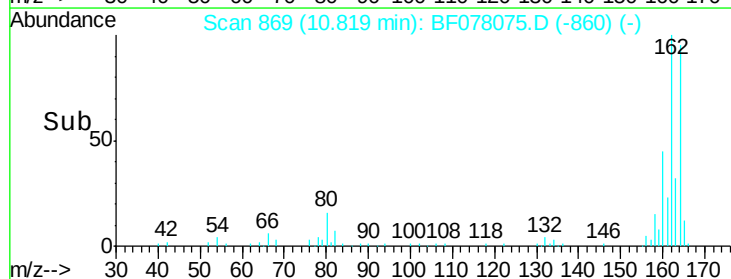
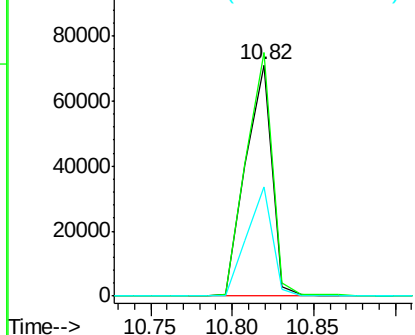


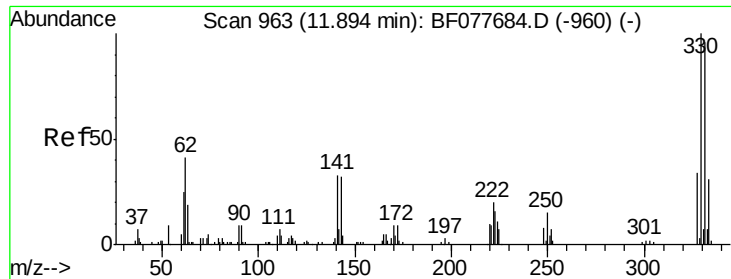
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.82 min Scan# 869
 Delta R.T. -0.00 min
 Lab File: BF078075.D
 Acq: 28 Mar 2015 11:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.2	82.4	123.6
160	47.2	35.8	53.6



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

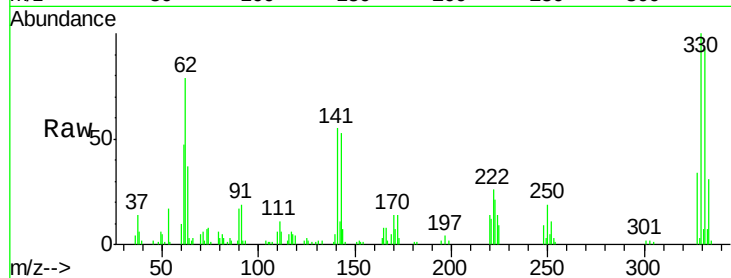




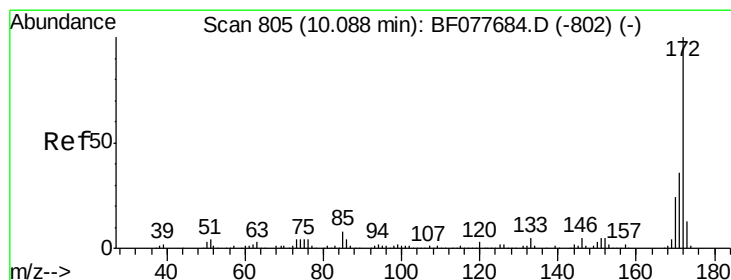
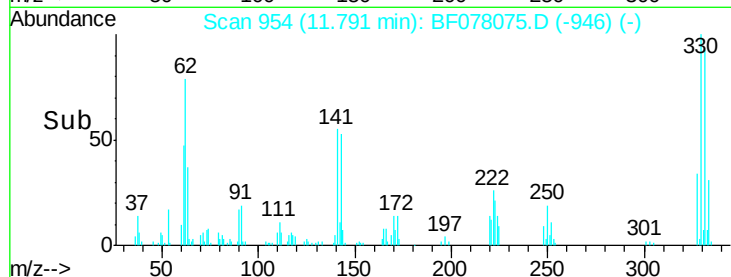
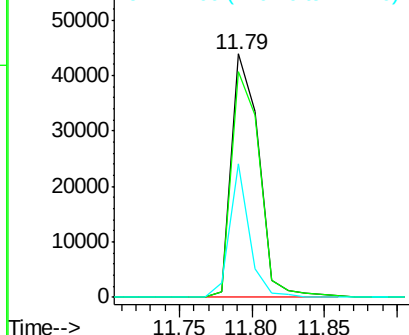
#41
 2,4,6-Tribromophenol
 Concen: 76.32 ng
 RT: 11.79 min Scan# 954
 Delta R.T. -0.01 min
 Lab File: BF078075.D
 Acq: 28 Mar 2015 11:43

Instrument :
 BNA_F
 ClientSampleId :
 REC-7-1-1(1.5-2.0)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	0.0	0.0#
141	38.8	0.0	0.0#

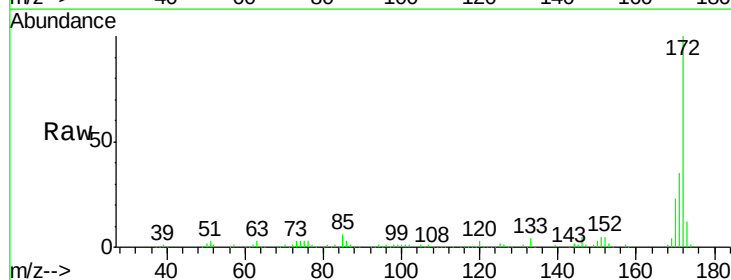


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

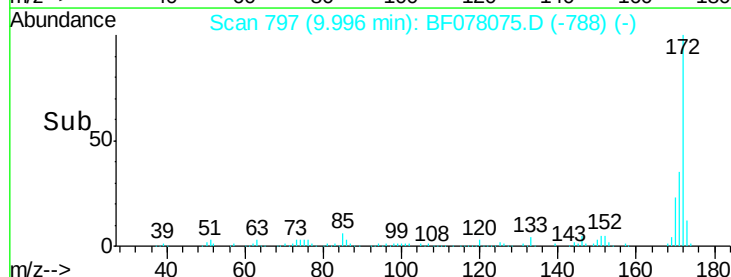
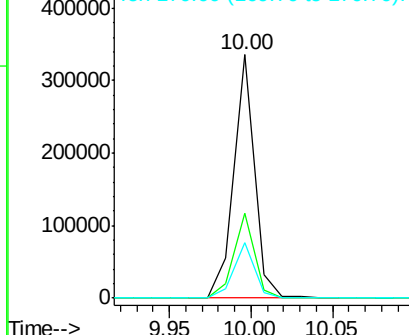


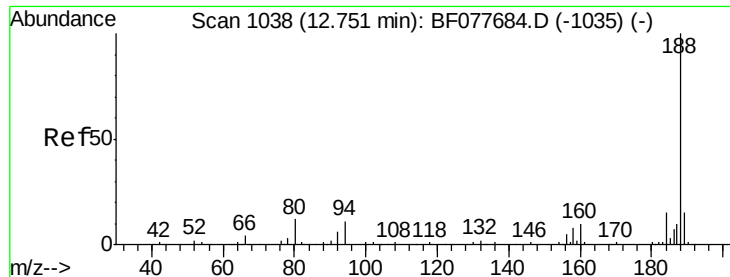
#44
 2-Fluorobiphenyl
 Concen: 54.78 ng
 RT: 10.00 min Scan# 797
 Delta R.T. -0.00 min
 Lab File: BF078075.D
 Acq: 28 Mar 2015 11:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.5	42.7
170	22.9	18.8	28.2



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

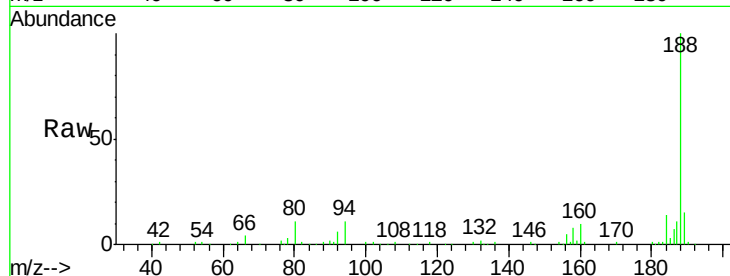




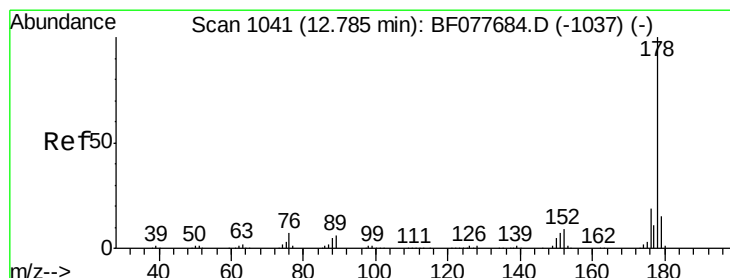
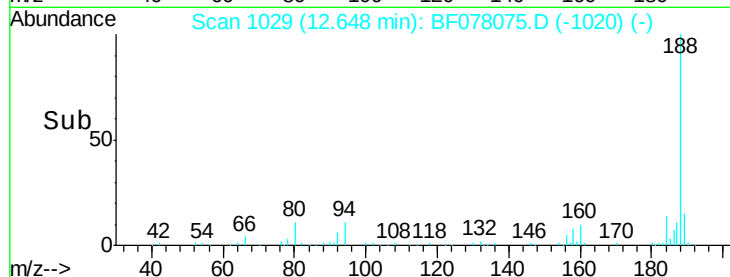
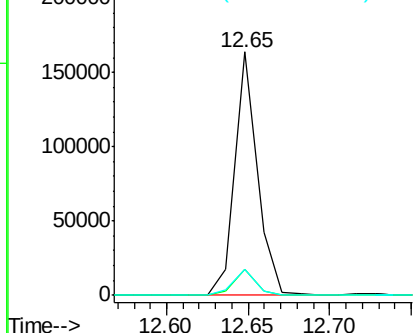
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.65 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF078075.D
Acq: 28 Mar 2015 11:43

Instrument :
BNA_F
ClientSampleId :
REC-7-1-1(1.5-2.0)

Tgt Ion:188 Resp: 156301
Ion Ratio Lower Upper
188 100
94 10.8 8.7 13.1
80 10.9 9.3 13.9

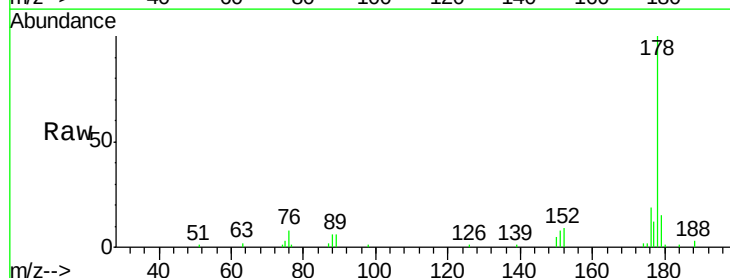


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

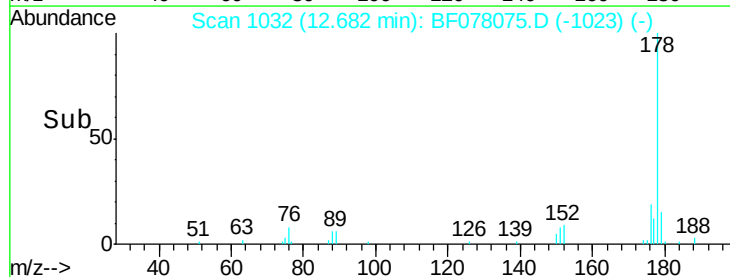
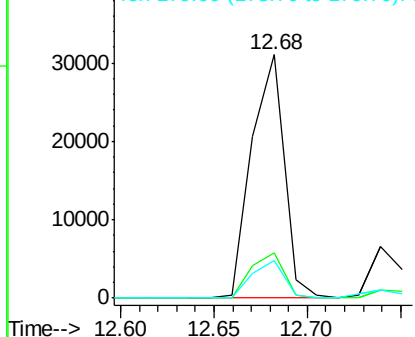


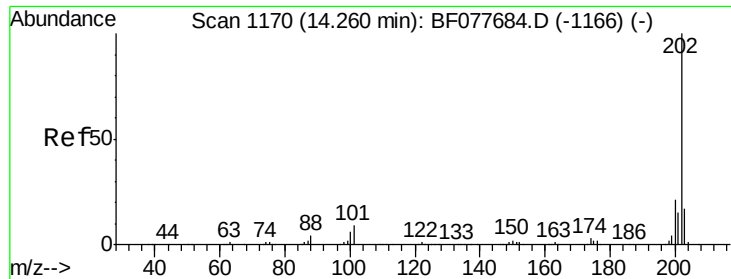
#70
Phenanthrene
Concen: 4.18 ng
RT: 12.68 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF078075.D
Acq: 28 Mar 2015 11:43

Tgt Ion:178 Resp: 37466
Ion Ratio Lower Upper
178 100
176 18.5 15.2 22.8
179 15.2 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

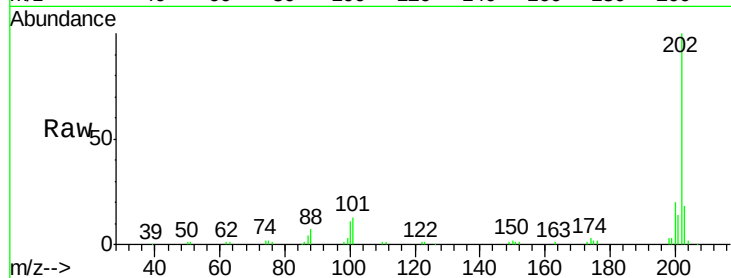




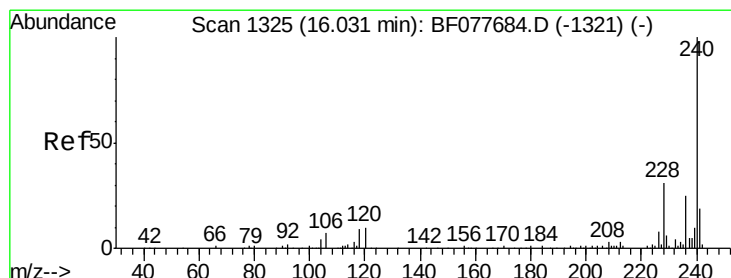
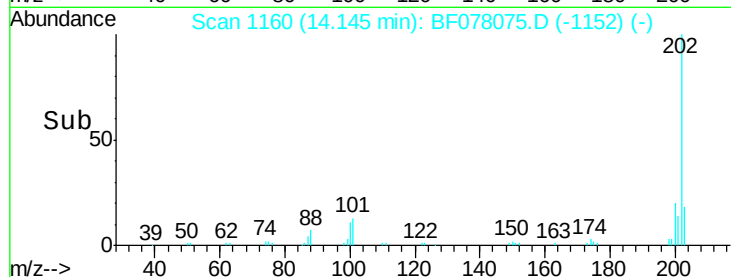
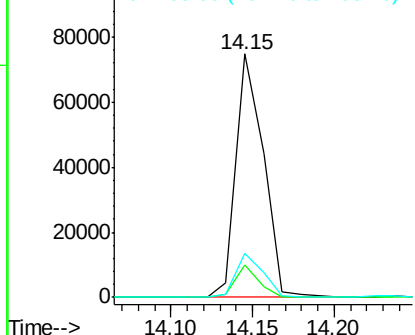
#74
Fluoranthene
Concen: 8.75 ng
RT: 14.15 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF078075.D
Acq: 28 Mar 2015 11:43

Instrument :
BNA_F
ClientSampleId :
REC-7-1-1(1.5-2.0)

Tgt Ion: 202 Resp: 86644
Ion Ratio Lower Upper
202 100
101 13.4 0.0 28.7
203 18.0 0.0 37.2

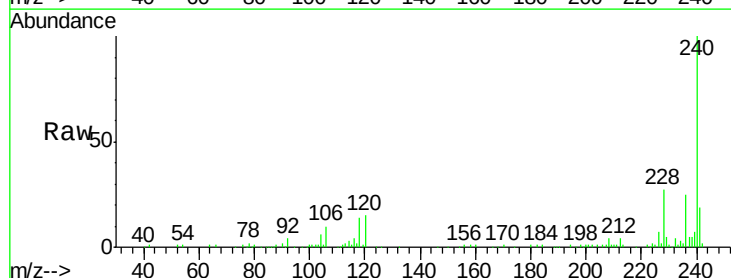


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

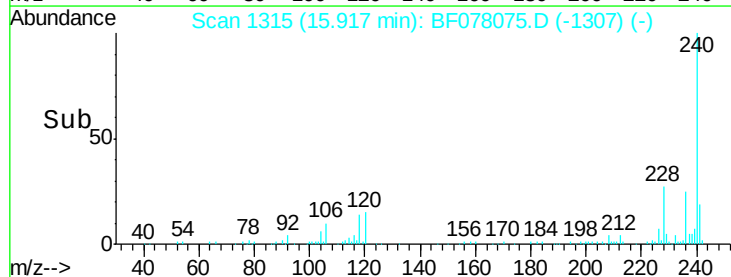
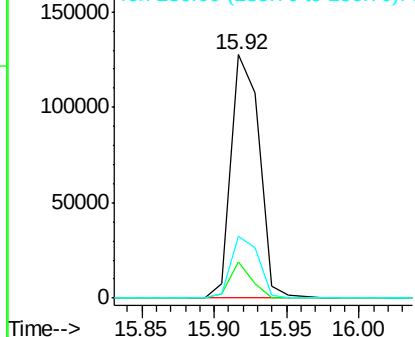


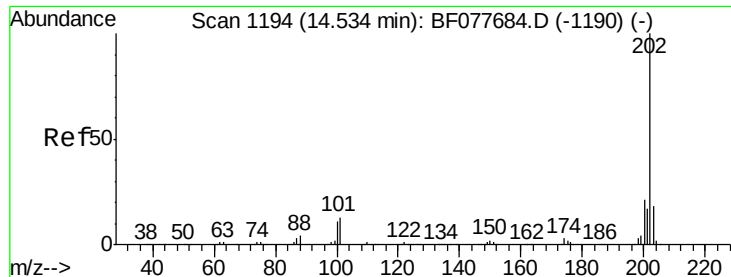
#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.92 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF078075.D
Acq: 28 Mar 2015 11:43

Tgt Ion: 240 Resp: 172782
Ion Ratio Lower Upper
240 100
120 15.0 8.2 12.2#
236 25.4 20.0 30.0



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 7.50 ng

RT: 14.43 min Scan# 1185

Delta R.T. -0.00 min

Lab File: BF078075.D

Acq: 28 Mar 2015 11:43

Instrument :

BNA_F

ClientSampleId :

REC-7-1-1(1.5-2.0)

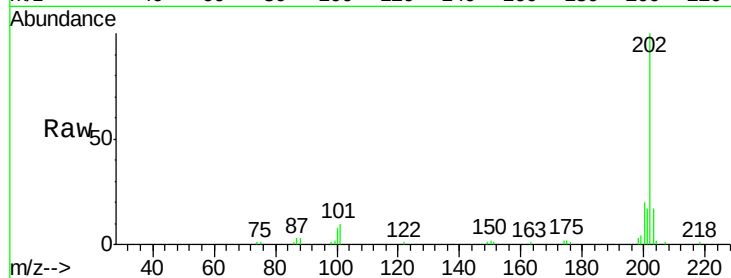
Tgt Ion: 202 Resp: 81441

Ion Ratio Lower Upper

202 100

200 19.5 16.9 25.3

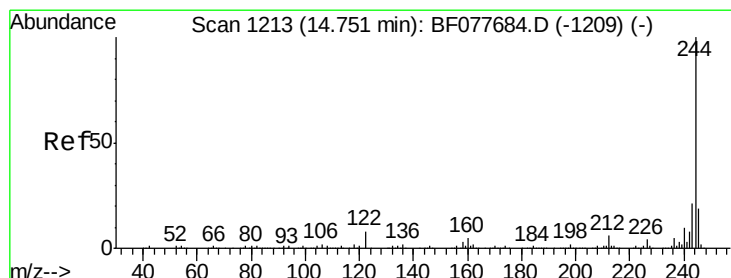
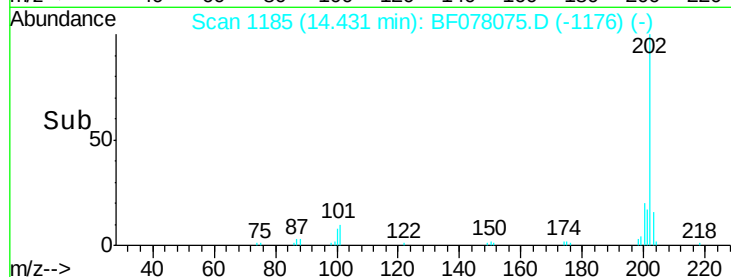
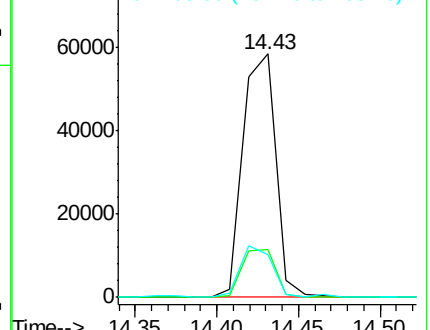
203 17.4 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 49.82 ng

RT: 14.64 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF078075.D

Acq: 28 Mar 2015 11:43

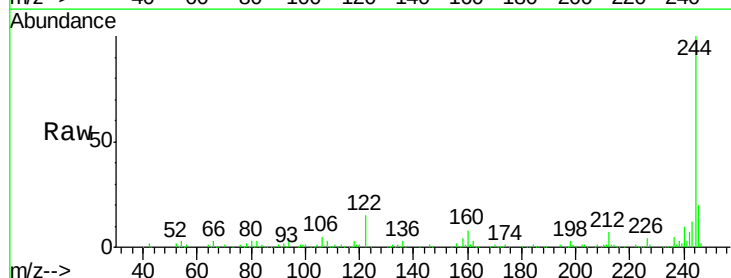
Tgt Ion: 244 Resp: 352416

Ion Ratio Lower Upper

244 100

212 7.0 4.9 7.3

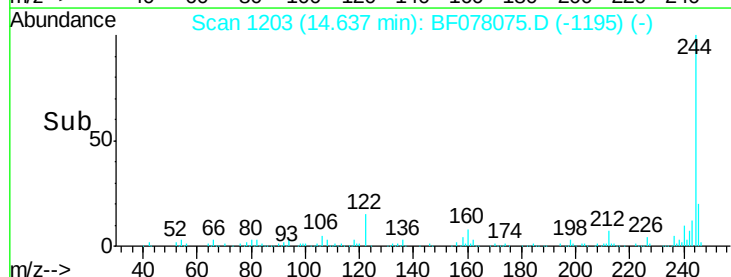
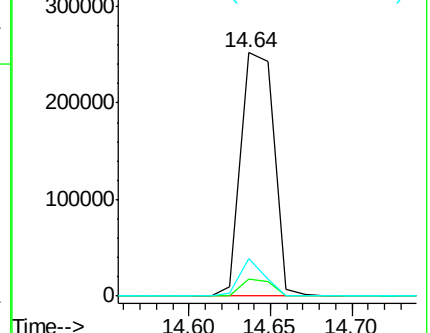
122 15.2 6.2 9.4#

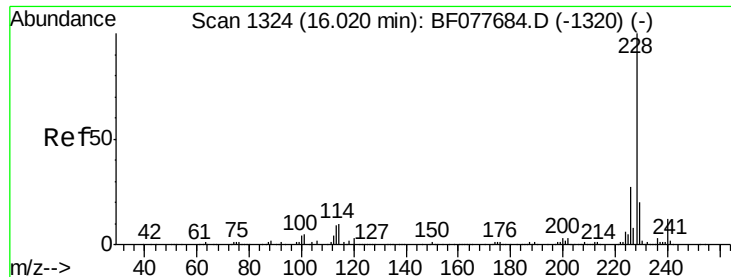


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

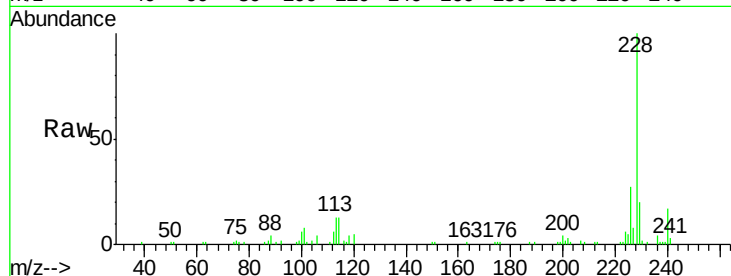




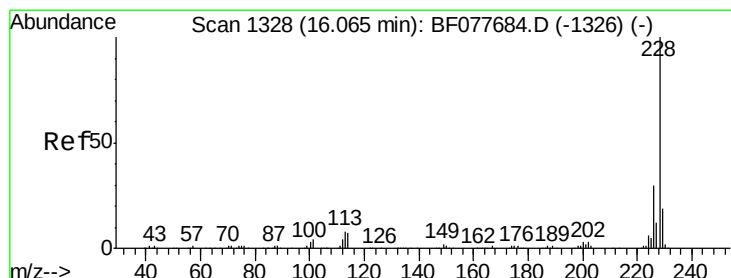
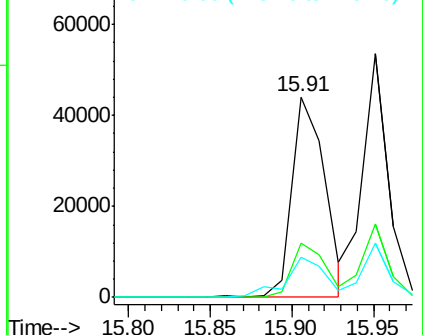
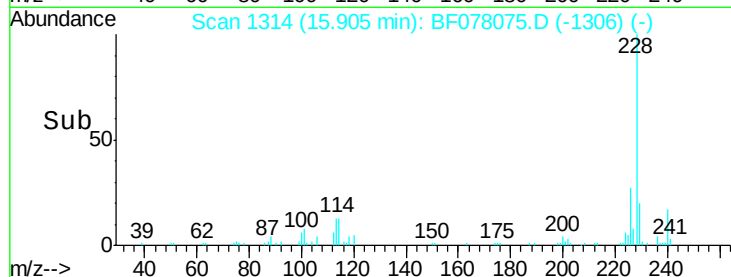
#80
Benzo(a)anthracene
Concen: 6.05 ng
RT: 15.91 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF078075.D
Acq: 28 Mar 2015 11:43

Instrument :
BNA_F
ClientSampleId :
REC-7-1-1(1.5-2.0)

Tgt Ion:228 Resp: 62013
Ion Ratio Lower Upper
228 100
226 27.2 21.7 32.5
229 19.9 16.0 24.0

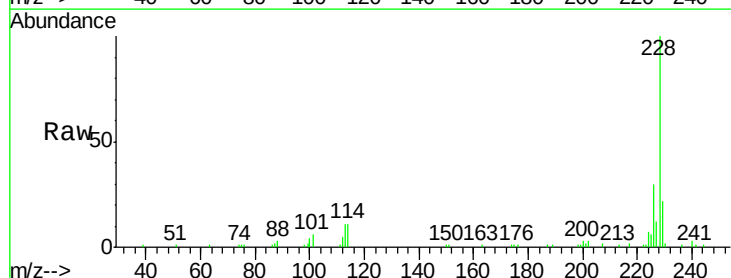


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

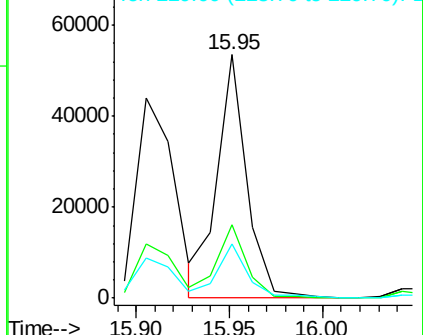
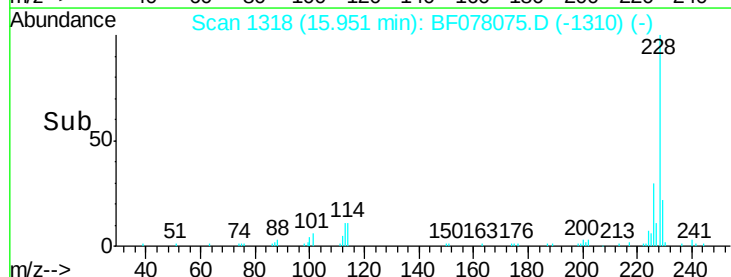


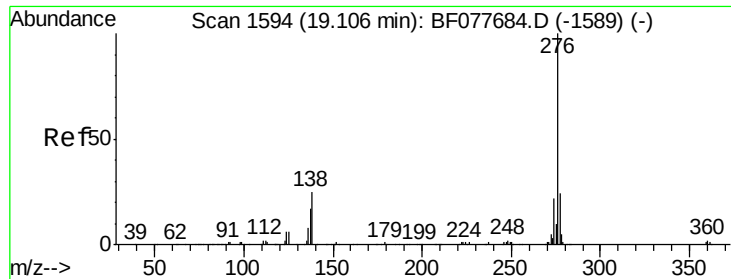
#82
Chrysene
Concen: 6.43 ng
RT: 15.95 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF078075.D
Acq: 28 Mar 2015 11:43

Tgt Ion:228 Resp: 59221
Ion Ratio Lower Upper
228 100
226 30.3 24.1 36.1
229 22.1 15.5 23.3



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

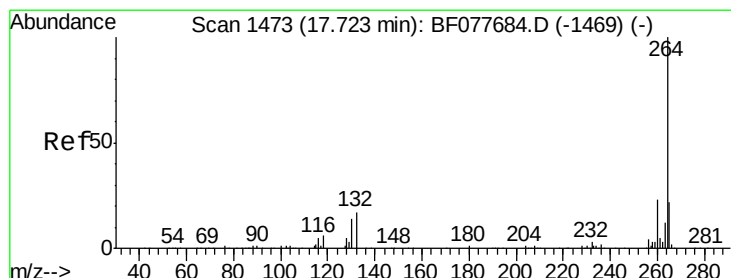
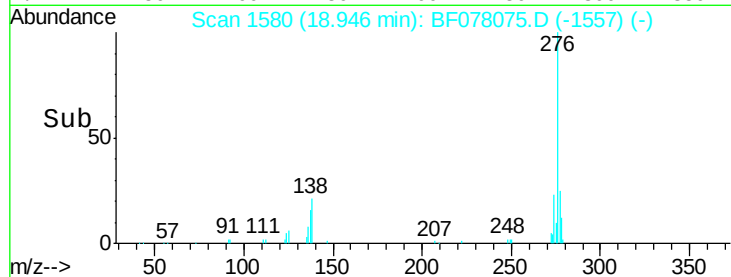
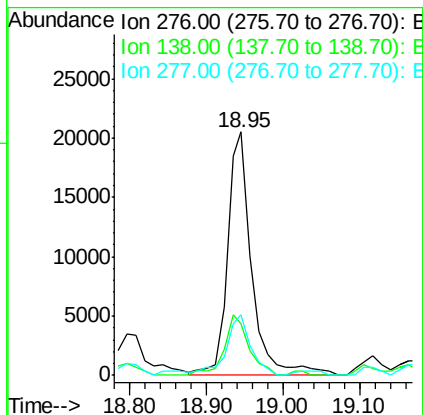
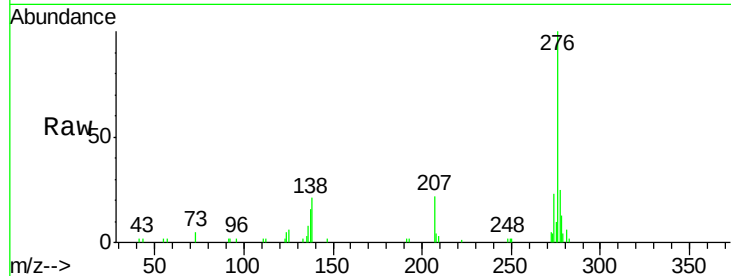




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.98 ng
 RT: 18.95 min Scan# 1580
 Delta R.T. -0.03 min
 Lab File: BF078075.D
 Acq: 28 Mar 2015 11:43

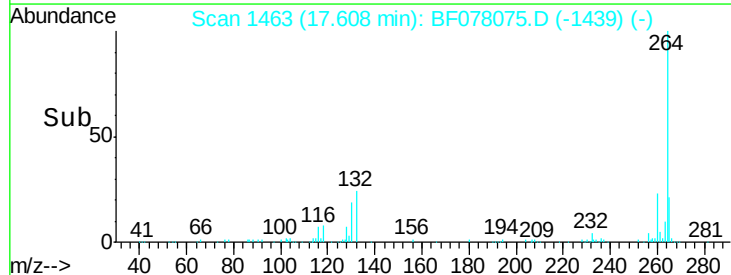
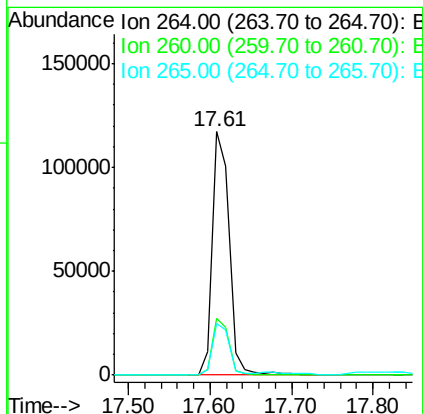
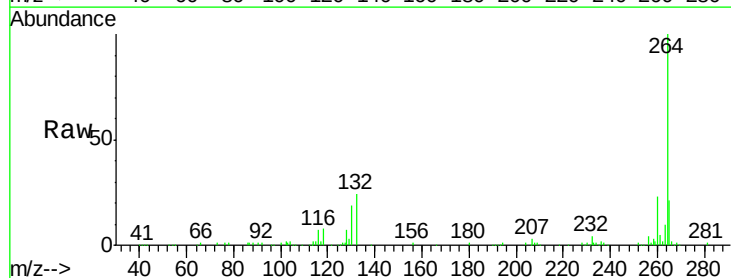
Instrument :
 BNA_F
 ClientSampleId :
 REC-7-1-1(1.5-2.0)

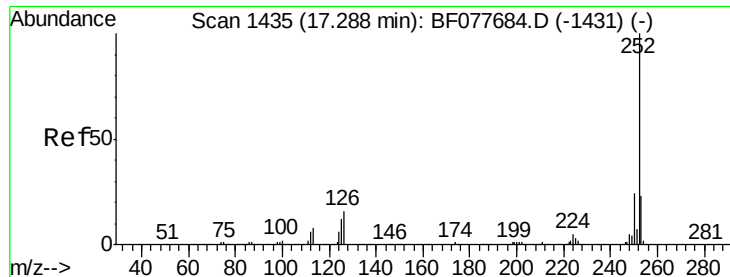
Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.3	0.0	0.0#
277	25.6	0.0	0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.61 min Scan# 1463
 Delta R.T. -0.02 min
 Lab File: BF078075.D
 Acq: 28 Mar 2015 11:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.1	17.3	25.9

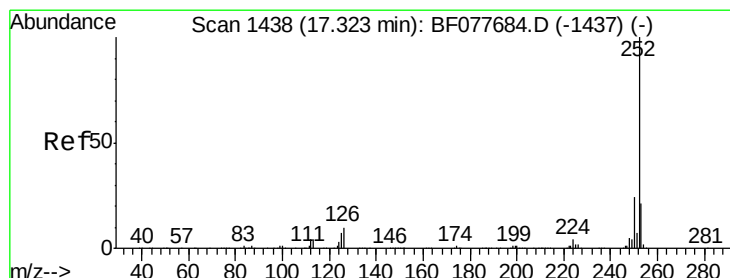
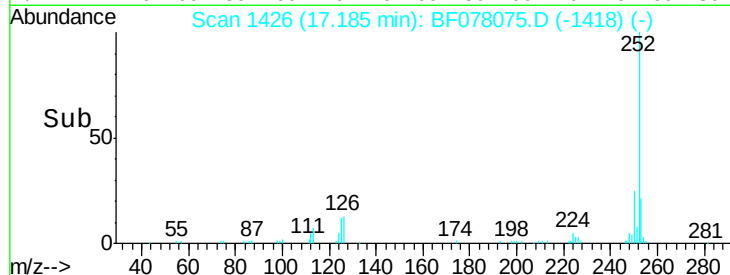
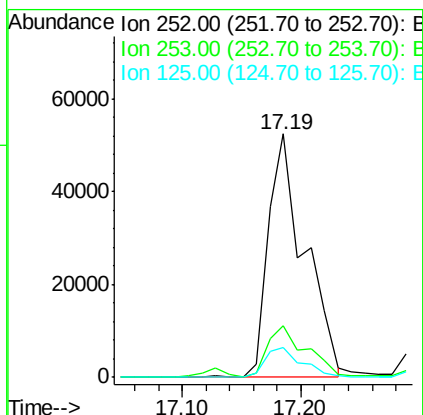
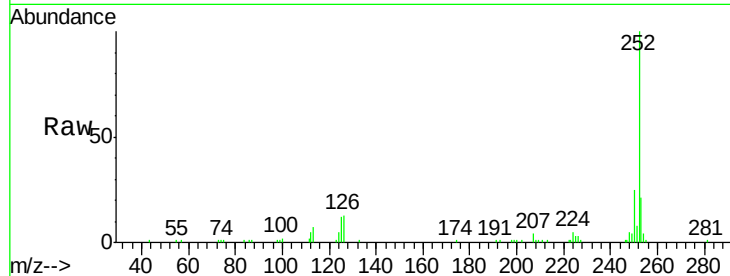




#87
Benzo(b)fluoranthene
Concen: 10.00 ng
RT: 17.19 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BF078075.D
Acq: 28 Mar 2015 11:43

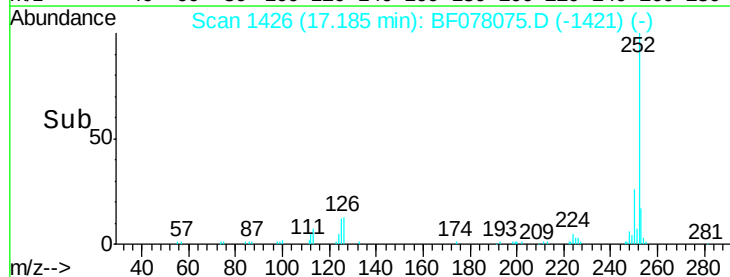
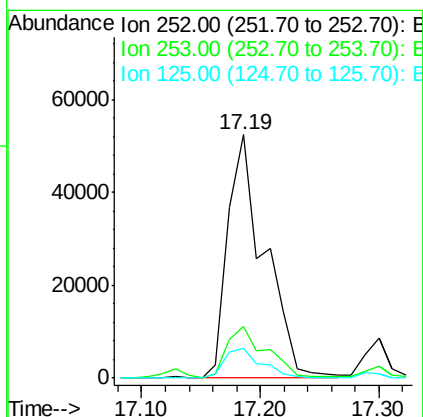
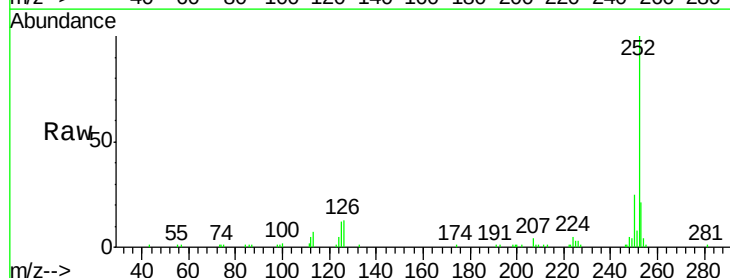
Instrument :
BNA_F
ClientSampleId :
REC-7-1-1(1.5-2.0)

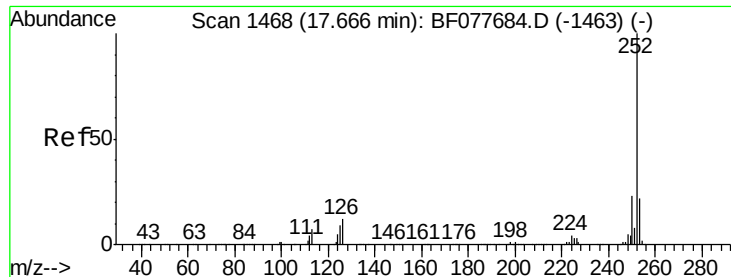
Tgt Ion:252 Resp: 111527
Ion Ratio Lower Upper
252 100
253 21.0 18.0 27.0
125 12.1 9.9 14.9



#88
Benzo(k)fluoranthene
Concen: 12.97 ng
RT: 17.19 min Scan# 1426
Delta R.T. -0.05 min
Lab File: BF078075.D
Acq: 28 Mar 2015 11:43

Tgt Ion:252 Resp: 113035
Ion Ratio Lower Upper
252 100
253 21.0 17.2 25.8
125 12.1 8.1 12.1#





#89

Benzo(a)pyrene

Concen: 6.26 ng

RT: 17.55 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF078075.D

Acq: 28 Mar 2015 11:43

Instrument :

BNA_F

ClientSampleId :

REC-7-1-1(1.5-2.0)

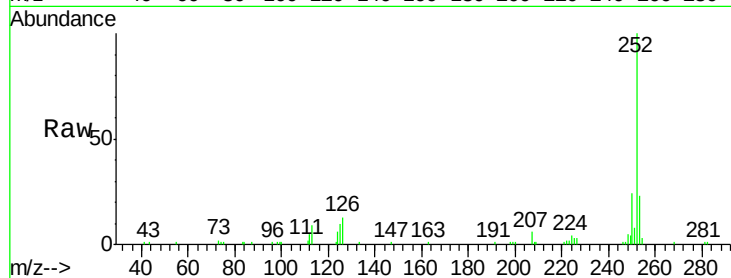
Tgt Ion:252 Resp: 58235

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

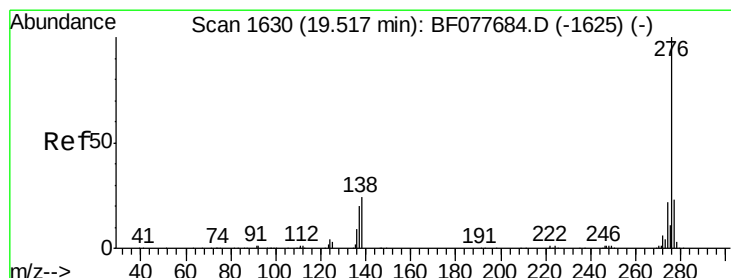
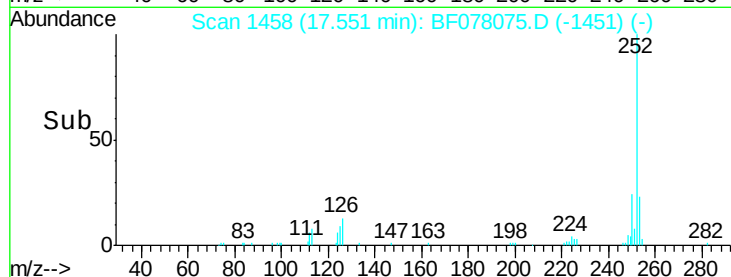
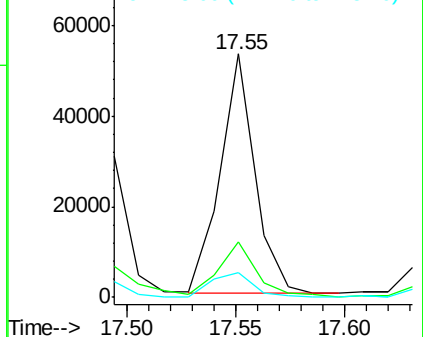
125 10.3 7.4 11.2



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(g,h,i)perylene

Concen: 4.54 ng

RT: 19.33 min Scan# 1614

Delta R.T. -0.05 min

Lab File: BF078075.D

Acq: 28 Mar 2015 11:43

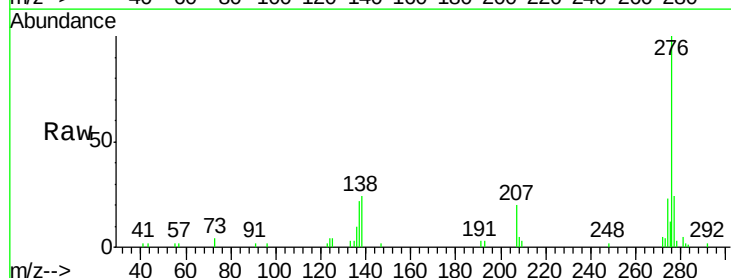
Tgt Ion:276 Resp: 42681

Ion Ratio Lower Upper

276 100

277 23.9 18.5 27.7

138 23.9 19.0 28.6



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

