

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021115\
 Data File : BF077280.D
 Acq On : 12 Feb 2015 10:10
 Operator : TP/IZ
 Sample : G1254-05RE
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UB11ARE

Quant Time: Feb 12 11:37:59 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 10 13:30:38 2015
 Response via : Initial Calibration

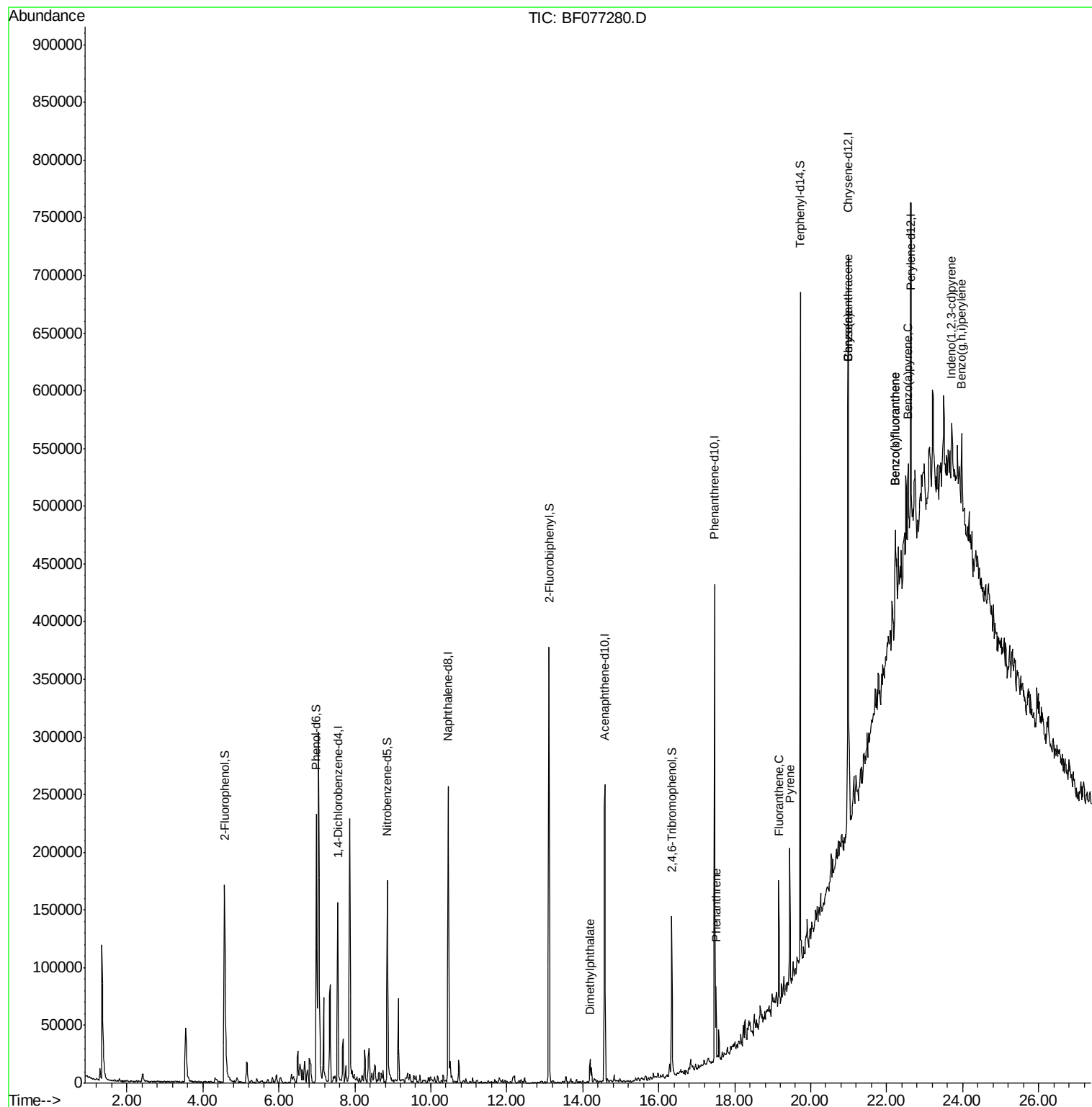
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	48674	20.00	ng	-0.05
21) Naphthalene-d8	10.45	136	205077	20.00	ng	-0.05
38) Acenaphthene-d10	14.58	164	108011	20.00	ng	-0.05
63) Phenanthrene-d10	17.47	188	180189	20.00	ng	-0.03
75) Chrysene-d12	20.99	240	187049	20.00	ng	-0.02
86) Perylene-d12	22.64	264	162684	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.57	112	126523	42.74	ng	-0.02
7) Phenol-d6	6.99	99	176734	47.32	ng	-0.02
23) Nitrobenzene-d5	8.85	82	88707	23.96	ng	-0.05
41) 2,4,6-Tribromophenol	16.34	330	20757	23.67	ng	-0.03
44) 2-Fluorobiphenyl	13.12	172	226138	31.86	ng	-0.05
78) Terphenyl-d14	19.72	244	224192	27.59	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.57	77	1073	Below Cal	#	1
49) Dimethylphthalate	14.19	163	16138	2.11 ng	#	95
70) Phenanthrene	17.51	178	30949	2.75 ng		98
74) Fluoranthene	19.16	202	51072	4.44 ng		97
77) Pyrene	19.45	202	54521	4.25 ng	#	94
80) Benzo(a)anthracene	20.98	228	36266	3.09 ng		93
82) Chrysene	20.98	228	36177	3.38 ng		95
85) Indeno(1,2,3-cd)pyrene	23.71	276	23697	2.09 ng	#	80
87) Benzo(b)fluoranthene	22.23	252	60195	5.49 ng	#	93
88) Benzo(k)fluoranthene	22.23	252	60195	6.29 ng	#	91
89) Benzo(a)pyrene	22.57	252	28700	2.97 ng	#	81
91) Benzo(g,h,i)perylene	23.97	276	29341	3.33 ng	#	87

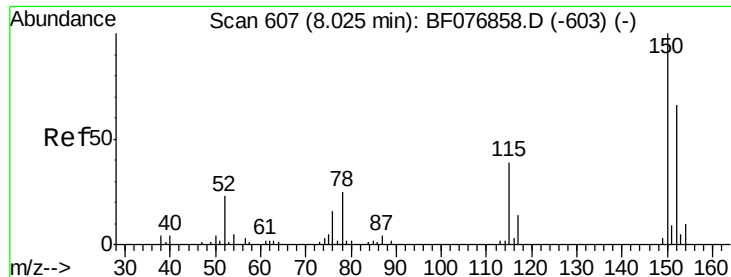
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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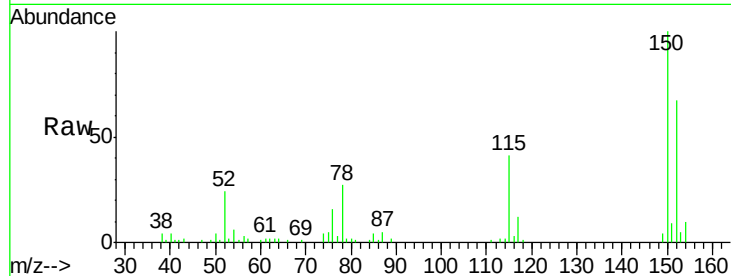


#1

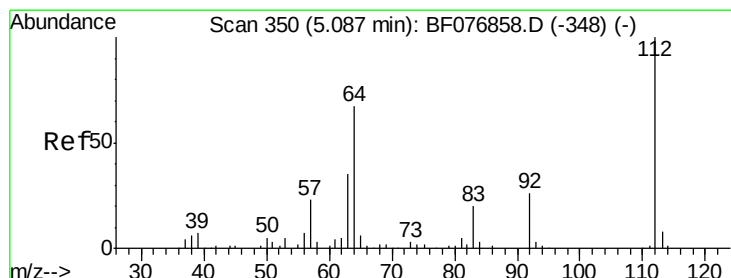
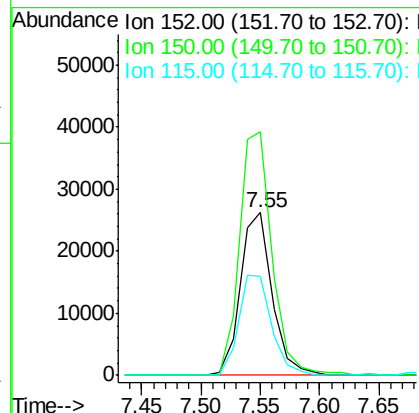
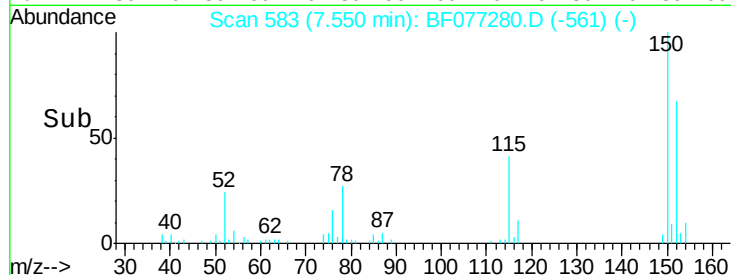
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.55 min Scan# 583
Delta R.T. -0.05 min
Lab File: BF077280.D
Acq: 12 Feb 2015 10:10

Instrument :
BNA_F
ClientSampled :
UB11ARE

Tgt Ion:152 Resp: 48674
Ion Ratio Lower Upper
152 100
150 149.7 121.7 182.5
115 61.0 47.0 70.6



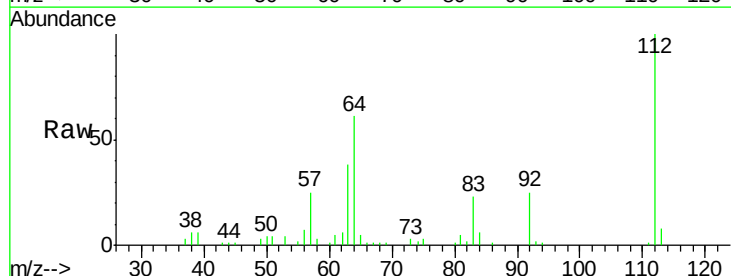
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



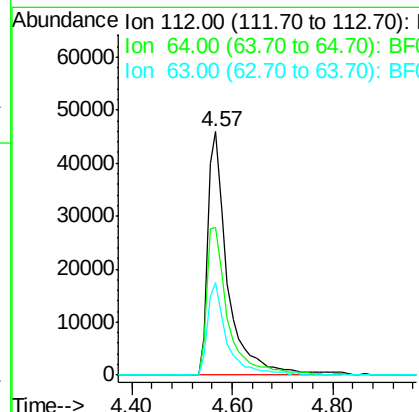
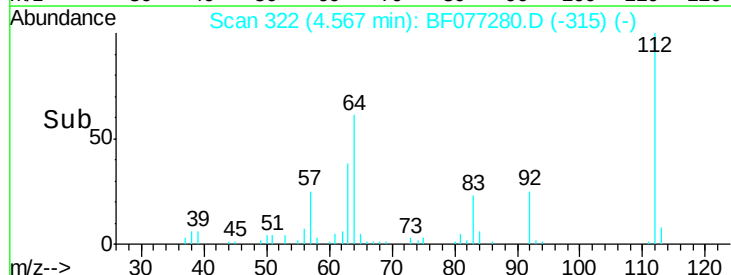
#5

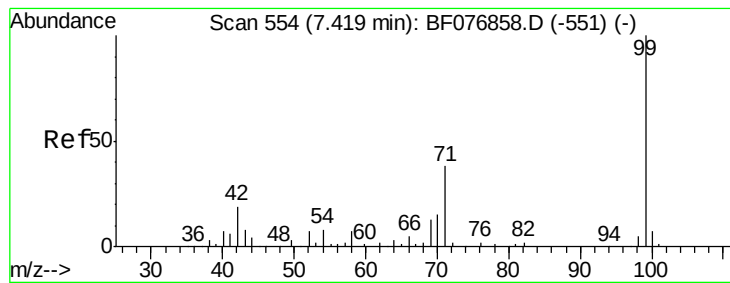
2-Fluorophenol
Concen: 42.74 ng
RT: 4.57 min Scan# 322
Delta R.T. -0.02 min
Lab File: BF077280.D
Acq: 12 Feb 2015 10:10

Tgt Ion:112 Resp: 126523
Ion Ratio Lower Upper
112 100
64 60.7 54.2 81.4
63 38.0 28.4 42.6



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: 47.32 ng

RT: 6.99 min Scan# 534

Delta R.T. -0.02 min

Lab File: BF077280.D

Acq: 12 Feb 2015 10:10

Instrument :

BNA_F

ClientSampleId :

UB11ARE

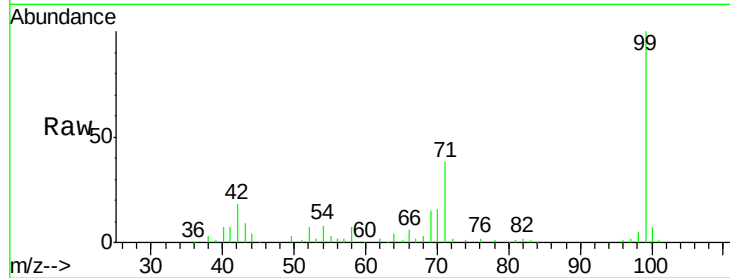
Tgt Ion: 99 Resp: 176734

Ion Ratio Lower Upper

99 100

42 18.3 15.0 22.4

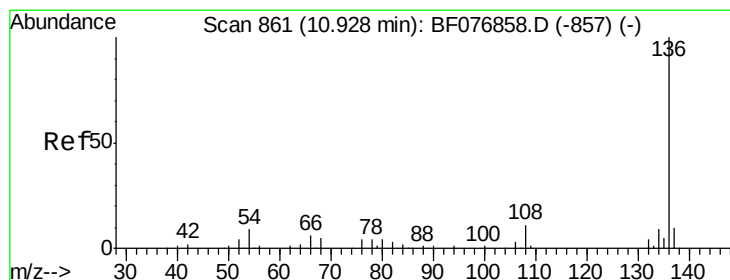
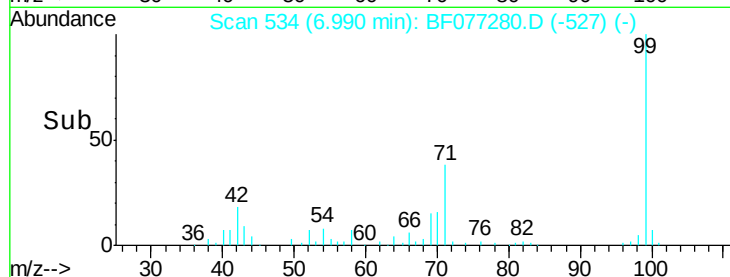
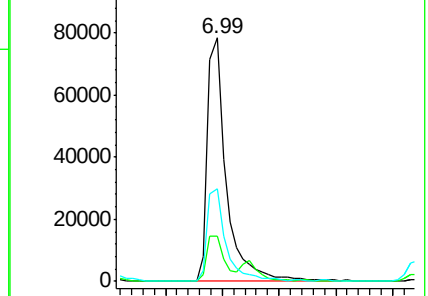
71 38.0 30.5 45.7



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: 10.45 min Scan# 837

Delta R.T. -0.05 min

Lab File: BF077280.D

Acq: 12 Feb 2015 10:10

Tgt Ion: 136 Resp: 205077

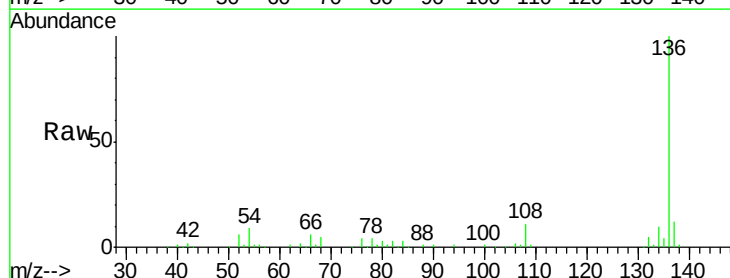
Ion Ratio Lower Upper

136 100

137 12.3 8.1 12.1#

54 9.1 7.0 10.4

68 5.3 3.7 5.5

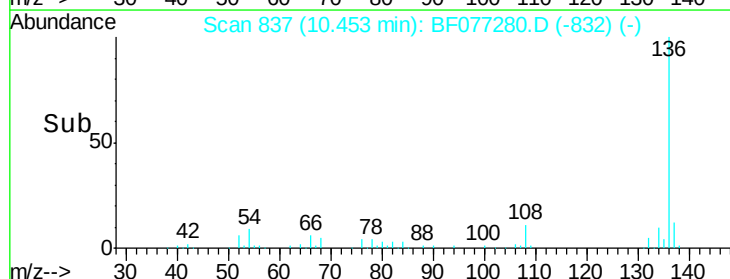
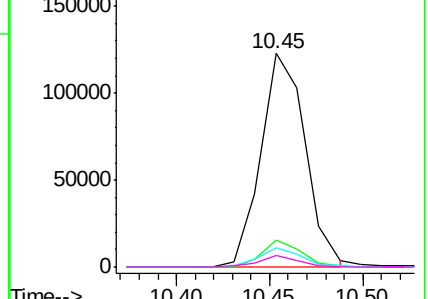


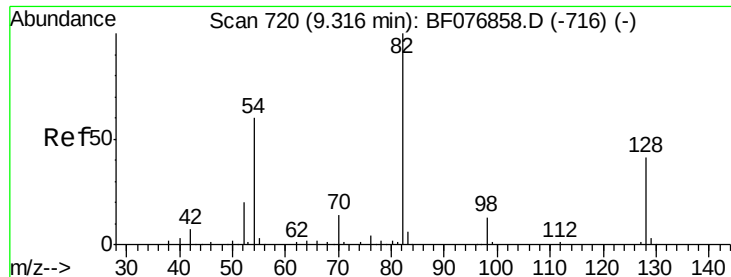
Abundance Ion 136.00 (135.70 to 136.70): E

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

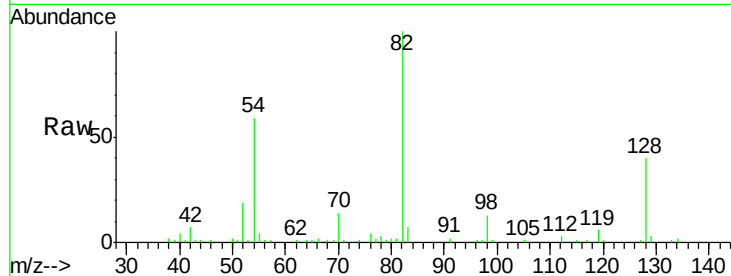




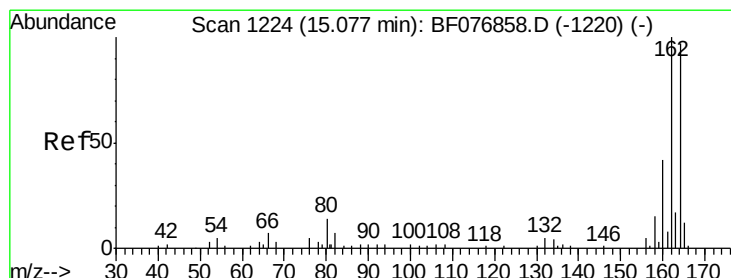
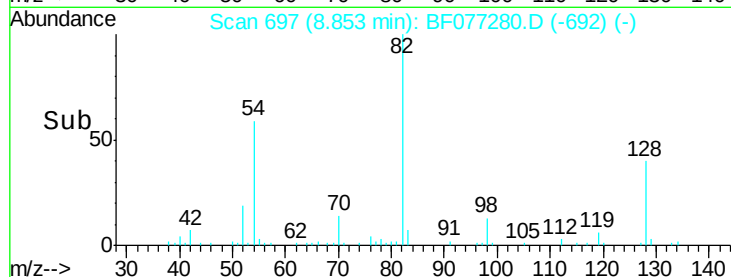
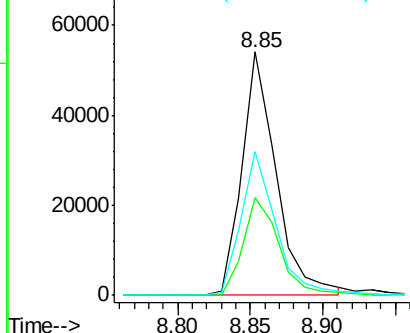
#23
 Nitrobenzene-d5
 Concen: 23.96 ng
 RT: 8.85 min Scan# 697
 Delta R.T. -0.05 min
 Lab File: BF077280.D
 Acq: 12 Feb 2015 10:10

Instrument :
 BNA_F
 ClientSampleId :
 UB11ARE

Tgt Ion: 82 Resp: 88707
 Ion Ratio Lower Upper
 82 100
 128 40.1 33.1 49.7
 54 59.2 48.3 72.5

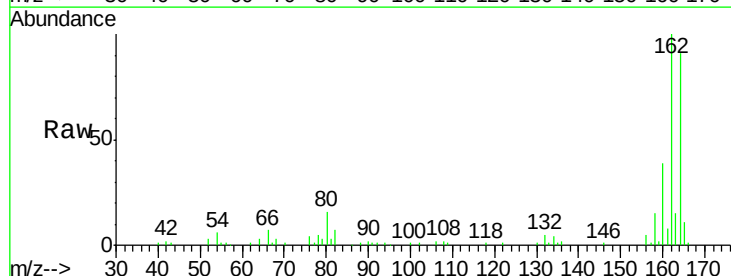


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

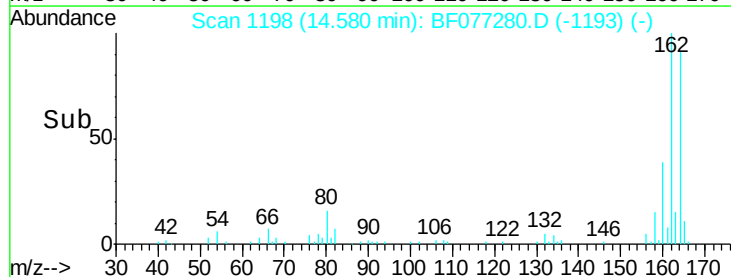
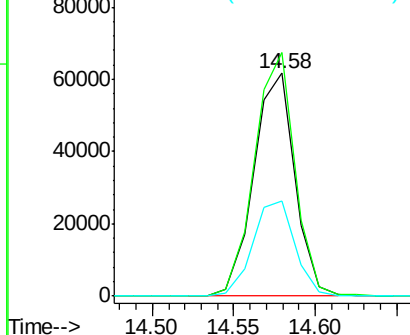


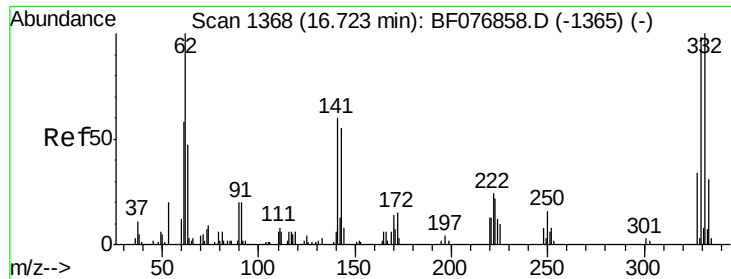
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.58 min Scan# 1198
 Delta R.T. -0.05 min
 Lab File: BF077280.D
 Acq: 12 Feb 2015 10:10

Tgt Ion: 164 Resp: 108011
 Ion Ratio Lower Upper
 164 100
 162 109.4 82.4 123.6
 160 42.6 34.8 52.2



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: 23.67 ng

RT: 16.34 min Scan# 1352

Delta R.T. -0.03 min

Lab File: BF077280.D

Acq: 12 Feb 2015 10:10

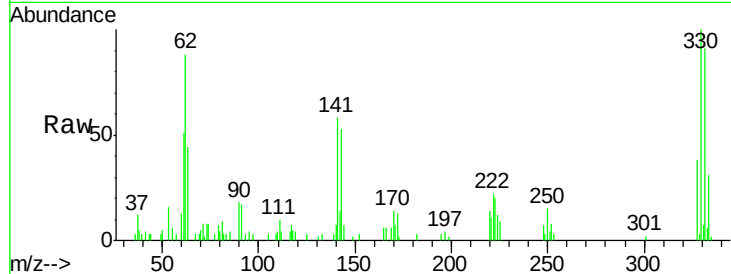
Instrument :

BNA_F

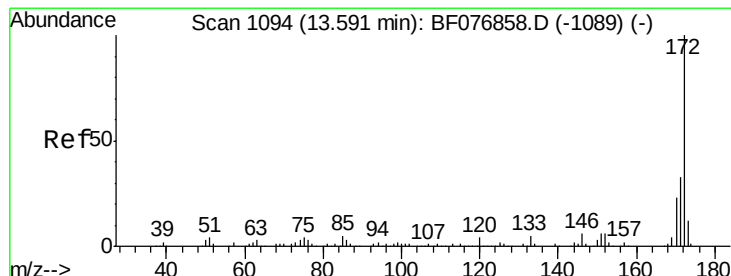
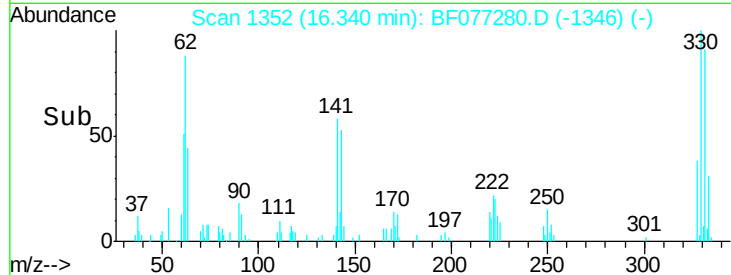
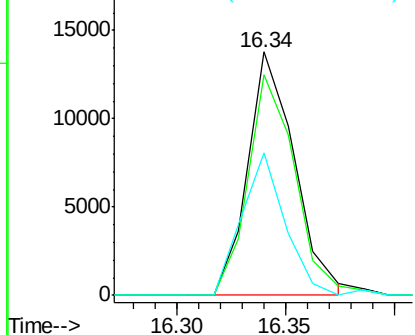
ClientSampleId :

UB11ARE

Tgt Ion:	330	Resp:	20757
Ion	Ratio	Lower	Upper
330	100		
332	90.1	77.8	116.6
141	53.5	38.5	57.7



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: 31.86 ng

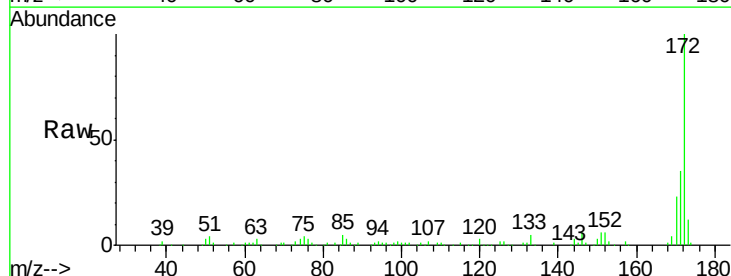
RT: 13.12 min Scan# 1070

Delta R.T. -0.05 min

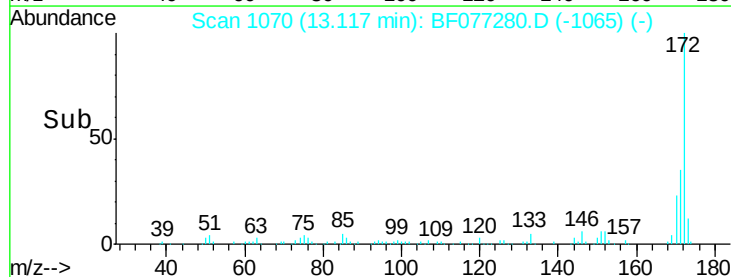
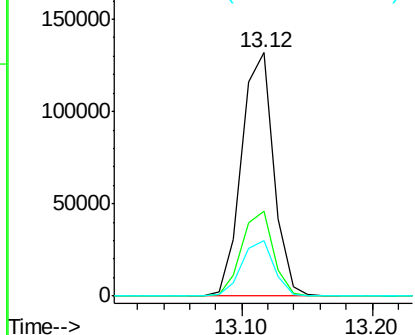
Lab File: BF077280.D

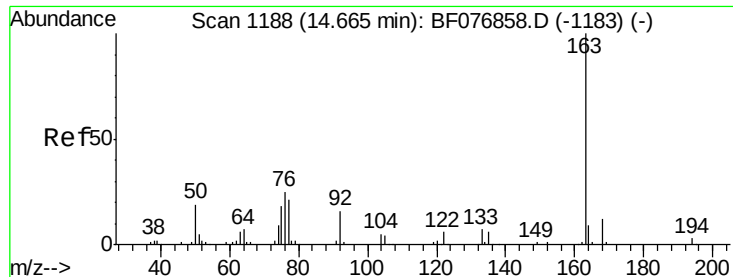
Acq: 12 Feb 2015 10:10

Tgt Ion:	172	Resp:	226138
Ion	Ratio	Lower	Upper
172	100		
171	34.9	26.6	40.0
170	22.9	18.0	27.0



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





#49

Dimethylphthalate

Concen: 2.11 ng

RT: 14.19 min Scan# 1164

Delta R.T. -0.05 min

Lab File: BF077280.D

Acq: 12 Feb 2015 10:10

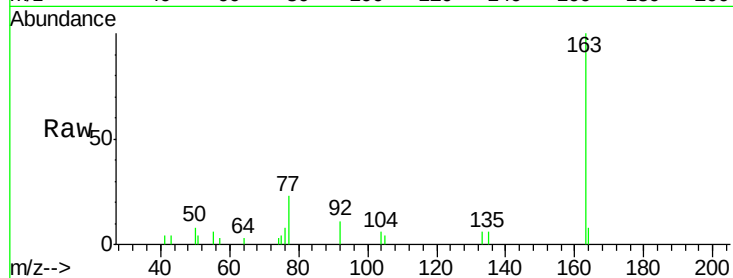
Instrument :

BNA_F

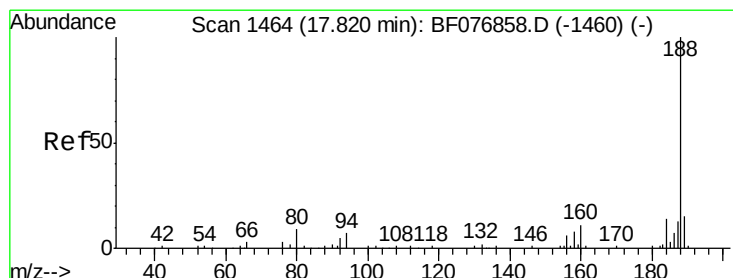
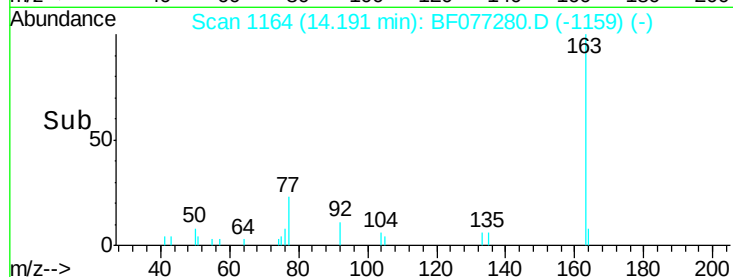
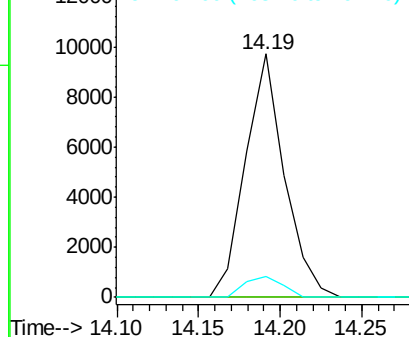
ClientSampleId :

UB11ARE

Tgt Ion:	163	Resp:	16138
Ion	Ratio	Lower	Upper
163	100		
194	0.0	2.6	4.0#
164	8.4	7.5	11.3



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

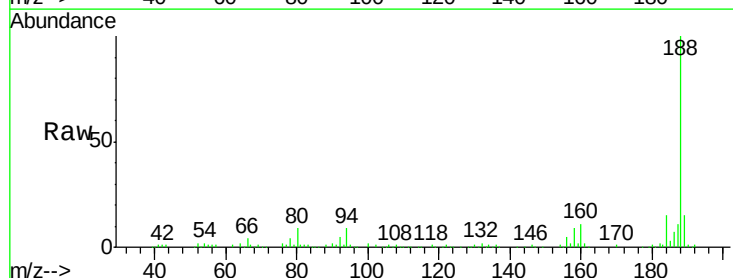
RT: 17.47 min Scan# 1451

Delta R.T. -0.03 min

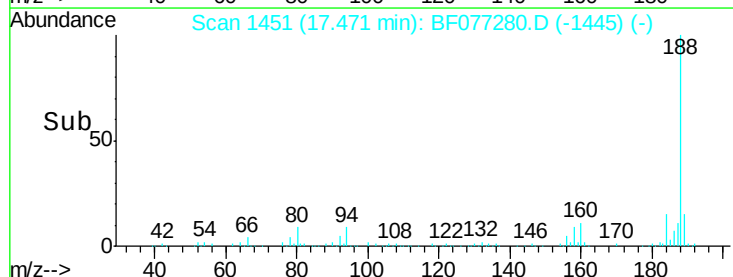
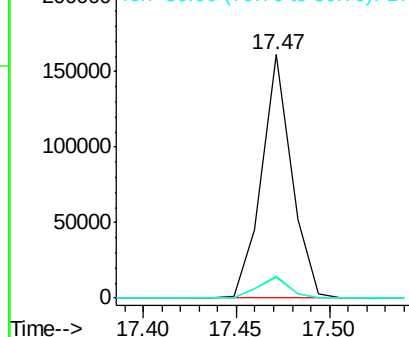
Lab File: BF077280.D

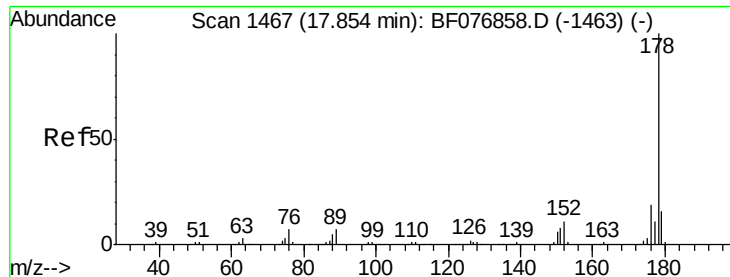
Acq: 12 Feb 2015 10:10

Tgt Ion:	188	Resp:	180189
Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.0	9.0
80	9.3	6.9	10.3



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: 2.75 ng

RT: 17.51 min Scan# 1454

Delta R.T. -0.03 min

Lab File: BF077280.D

Acq: 12 Feb 2015 10:10

Instrument :

BNA_F

ClientSampleId :

UB11ARE

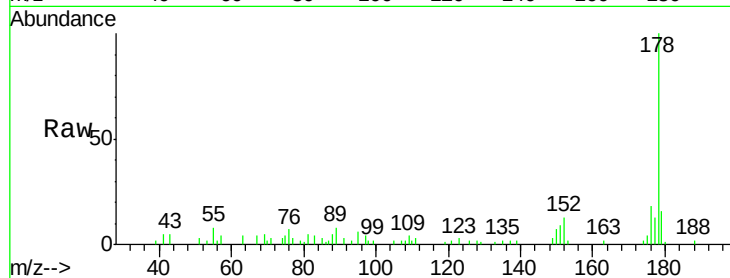
Tgt Ion:178 Resp: 30949

Ion Ratio Lower Upper

178 100

176 17.8 15.1 22.7

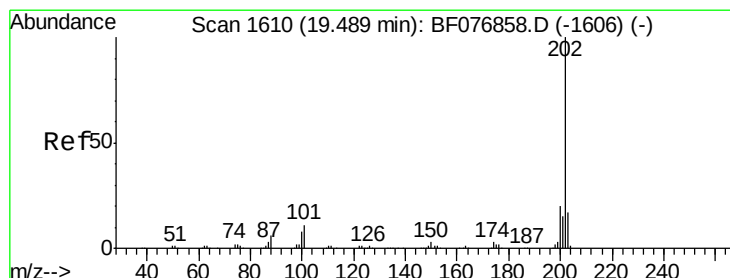
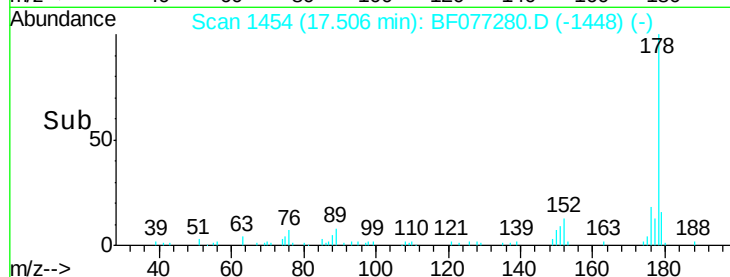
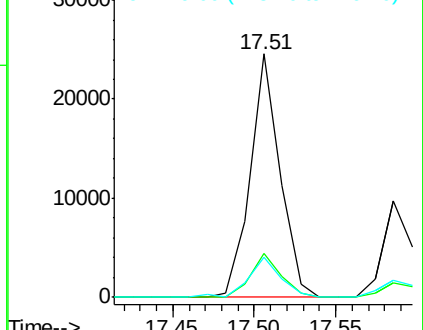
179 16.4 12.7 19.1



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: 4.44 ng

RT: 19.16 min Scan# 1599

Delta R.T. -0.03 min

Lab File: BF077280.D

Acq: 12 Feb 2015 10:10

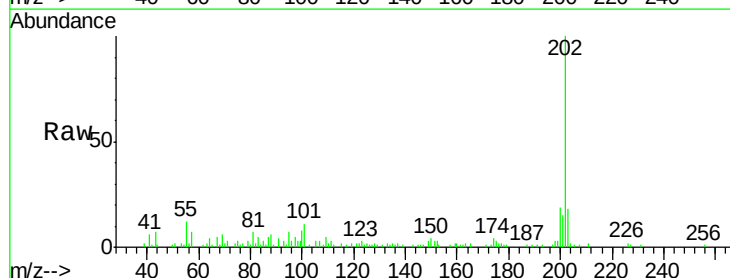
Tgt Ion:202 Resp: 51072

Ion Ratio Lower Upper

202 100

101 11.4 0.0 30.7

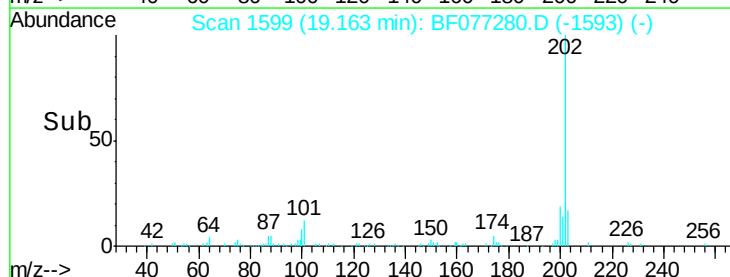
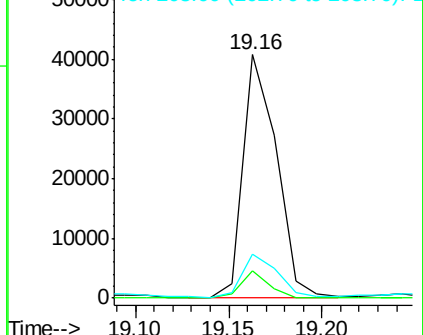
203 18.2 0.0 36.9

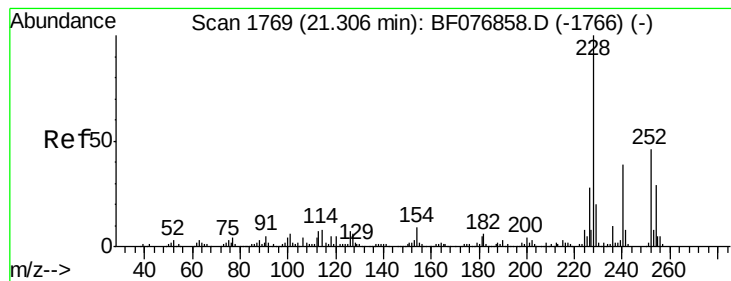


Abundance Ion 202.00 (201.70 to 202.70): E

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: 20.99 min Scan# 1759

Delta R.T. -0.02 min

Lab File: BF077280.D

Acq: 12 Feb 2015 10:10

Instrument :

BNA_F

ClientSampleId :

UB11ARE

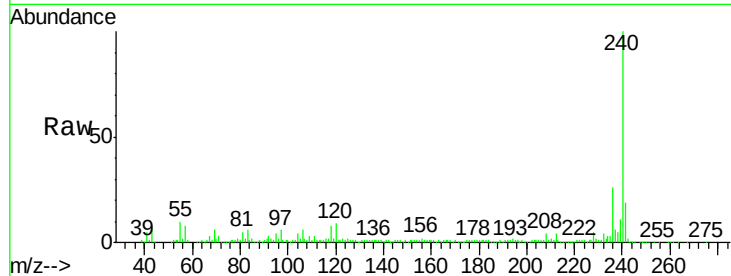
Tgt Ion:240 Resp: 187049

Ion Ratio Lower Upper

240 100

120 8.5 10.4 15.6#

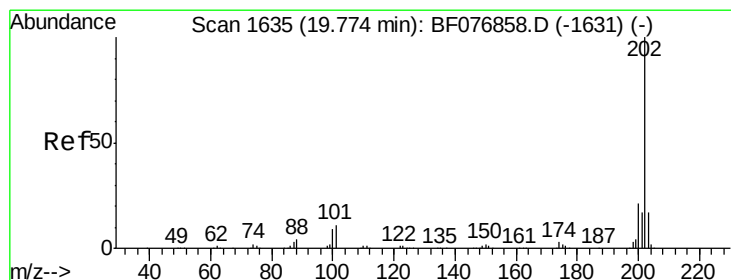
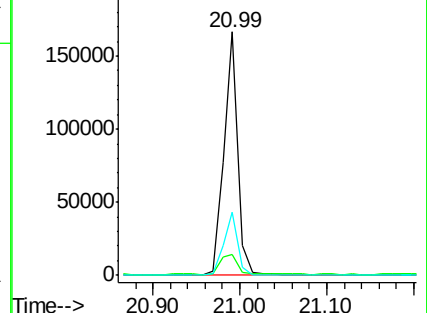
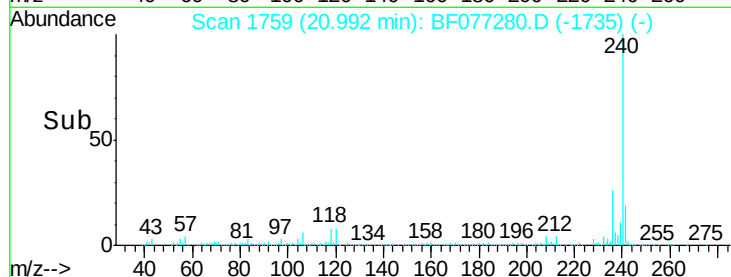
236 26.1 20.2 30.2



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: 4.25 ng

RT: 19.45 min Scan# 1624

Delta R.T. -0.02 min

Lab File: BF077280.D

Acq: 12 Feb 2015 10:10

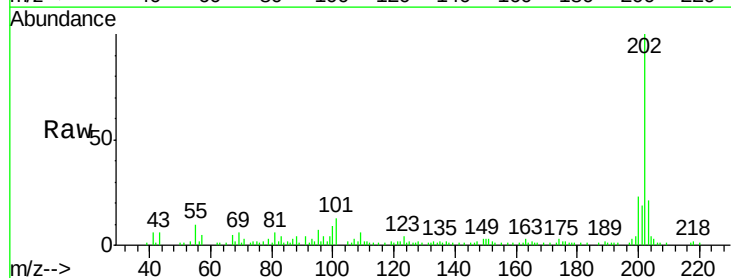
Tgt Ion:202 Resp: 54521

Ion Ratio Lower Upper

202 100

200 22.5 16.7 25.1

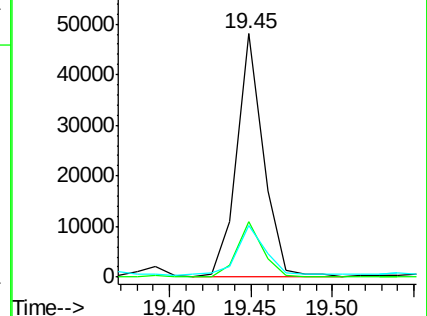
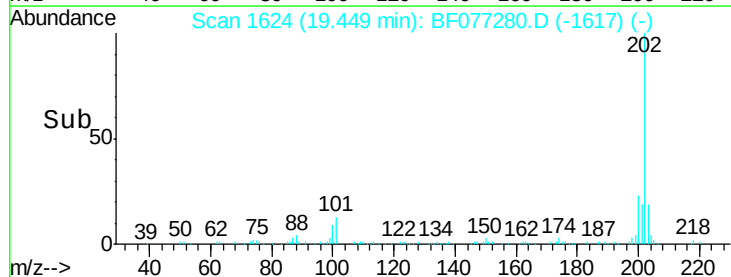
203 21.5 14.0 21.0#

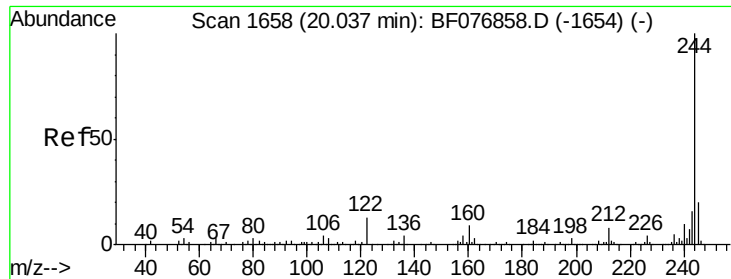


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

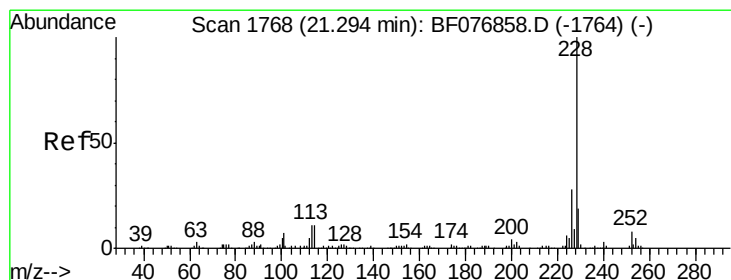
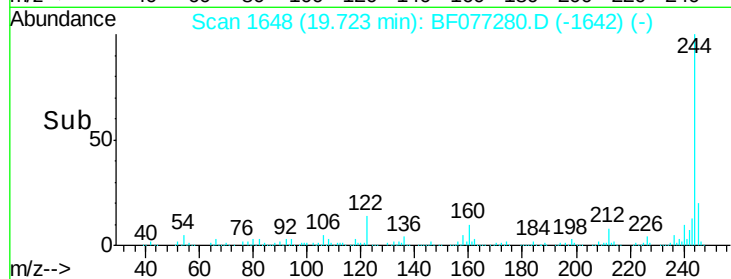
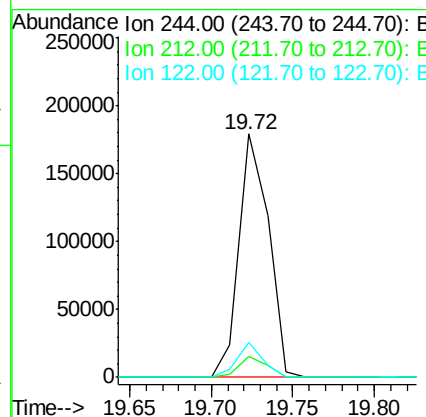
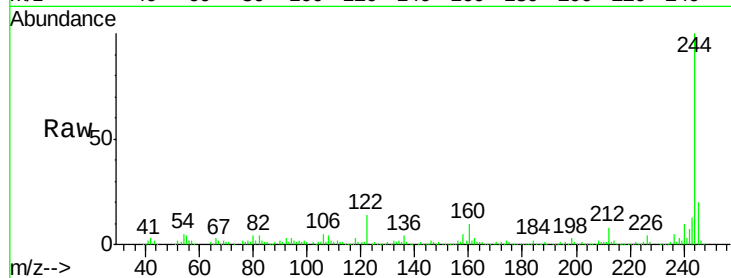




#78
 Terphenyl-d14
 Concen: 27.59 ng
 RT: 19.72 min Scan# 1648
 Delta R.T. -0.03 min
 Lab File: BF077280.D
 Acq: 12 Feb 2015 10:10

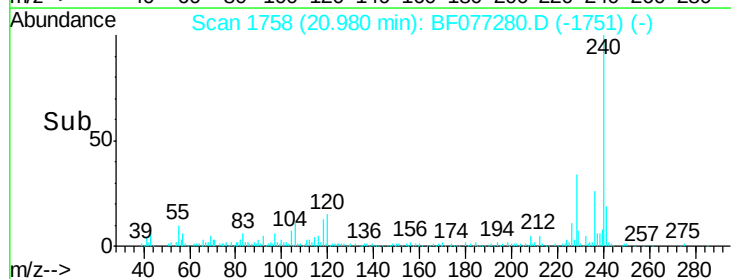
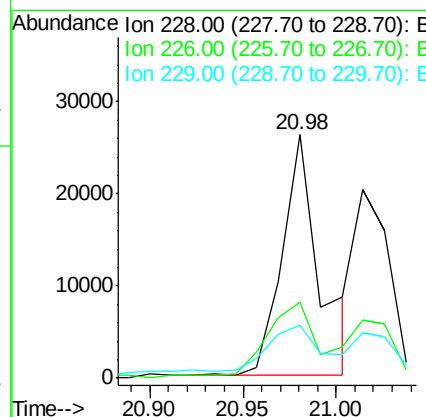
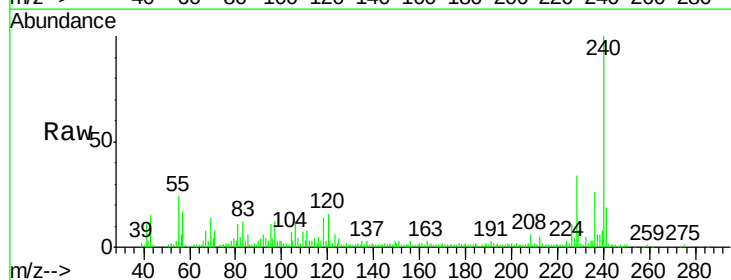
Instrument :
 BNA_F
 ClientSampleId :
 UB11ARE

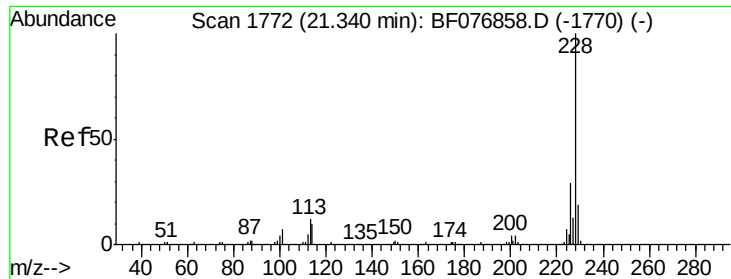
Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.3	9.5
122	14.4	10.1	15.1



#80
 Benzo(a)anthracene
 Concen: 3.09 ng
 RT: 20.98 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BF077280.D
 Acq: 12 Feb 2015 10:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.1	33.1
229	22.0	15.5	23.3





#82

Chrysene

Concen: 3.38 ng

RT: 20.98 min Scan# 1758

Delta R.T. -0.07 min

Lab File: BF077280.D

Acq: 12 Feb 2015 10:10

Instrument :

BNA_F

ClientSampleId :

UB11ARE

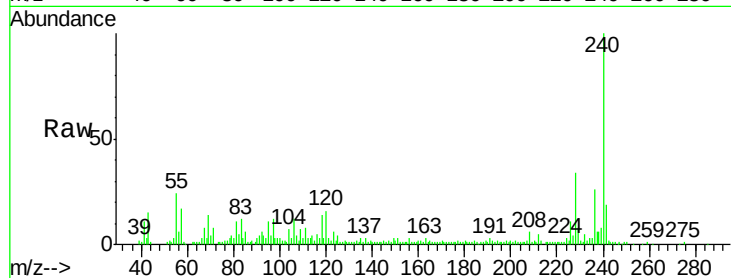
Tgt Ion:228 Resp: 36177

Ion Ratio Lower Upper

228 100

226 31.4 23.4 35.0

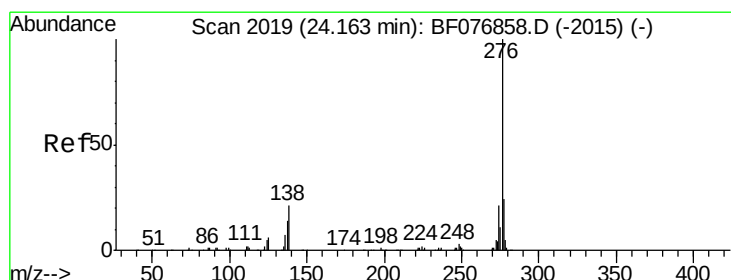
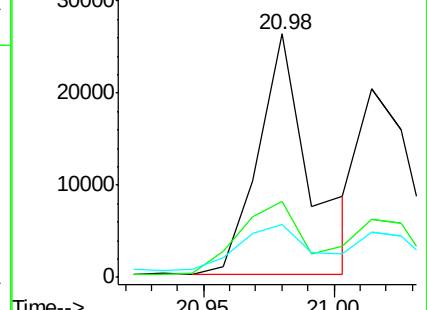
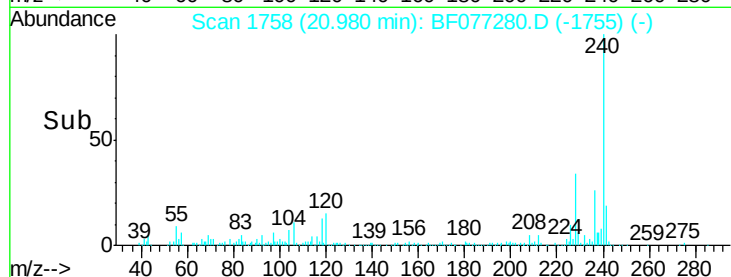
229 22.0 15.4 23.0



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.09 ng

RT: 23.71 min Scan# 1997

Delta R.T. -0.02 min

Lab File: BF077280.D

Acq: 12 Feb 2015 10:10

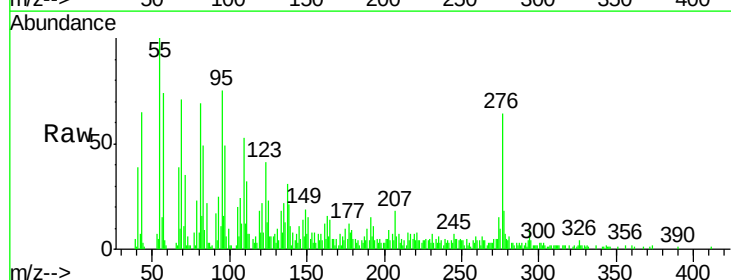
Tgt Ion:276 Resp: 23697

Ion Ratio Lower Upper

276 100

138 29.8 14.6 22.0#

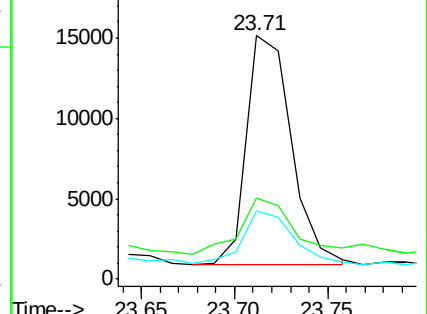
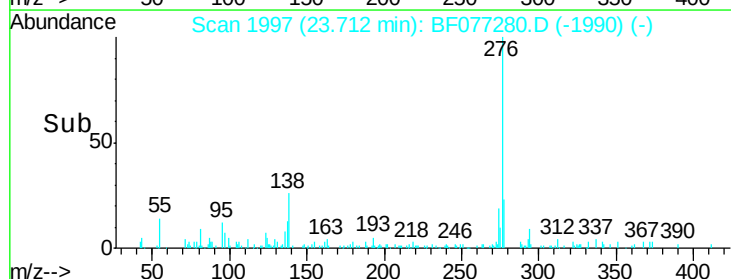
277 24.5 14.8 22.2#

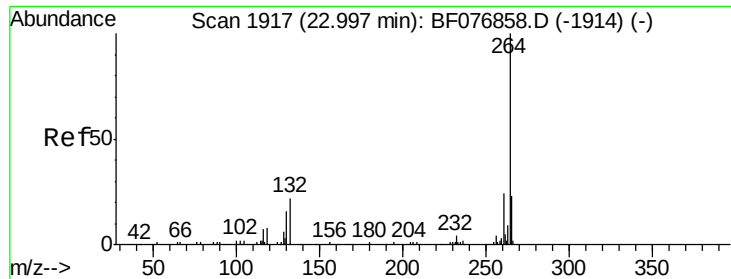


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

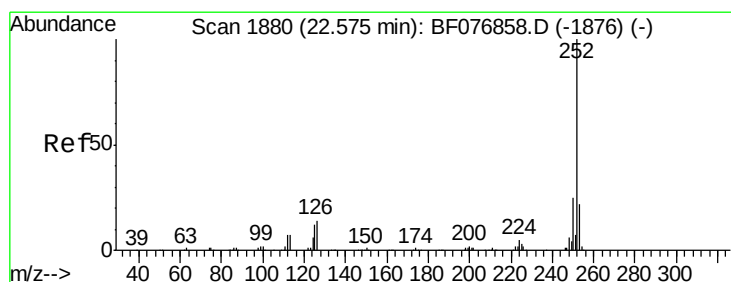
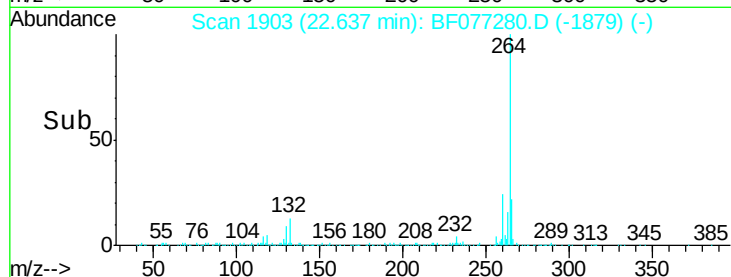
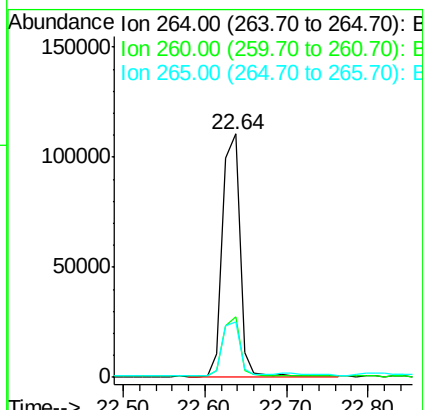
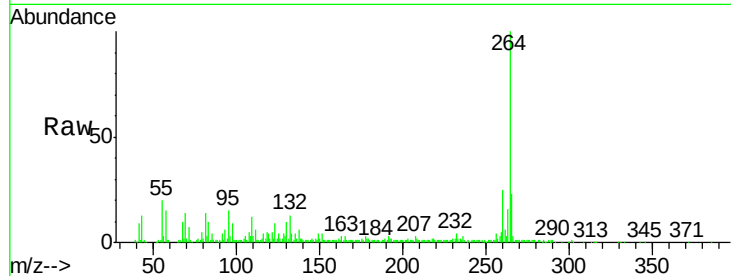




#86
Perylene-d12
Concen: 20.00 ng
RT: 22.64 min Scan# 1903
Delta R.T. -0.02 min
Lab File: BF077280.D
Acq: 12 Feb 2015 10:10

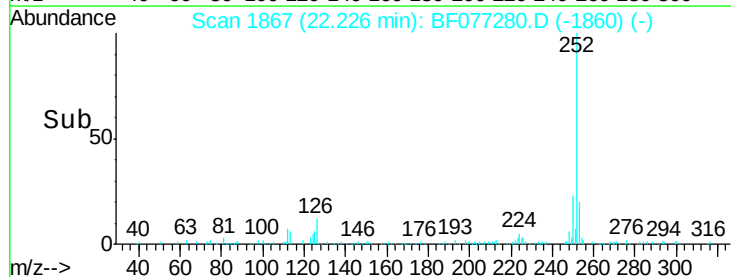
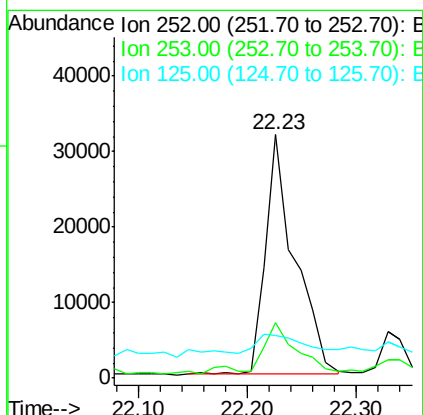
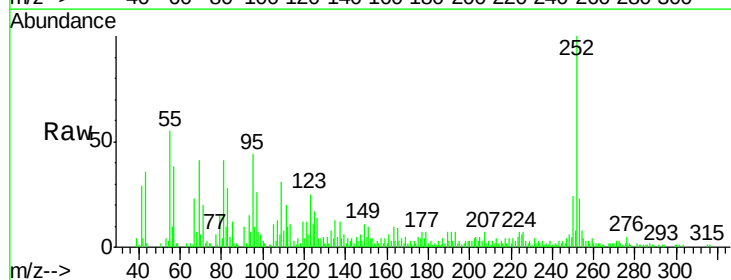
Instrument :
BNA_F
ClientSampleId :
UB11ARE

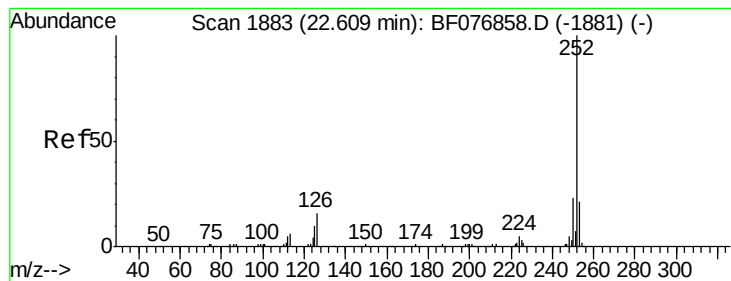
Tgt Ion:264 Resp: 162684
Ion Ratio Lower Upper
264 100
260 24.7 19.0 28.4
265 22.6 18.1 27.1



#87
Benzo(b)fluoranthene
Concen: 5.49 ng
RT: 22.23 min Scan# 1867
Delta R.T. -0.02 min
Lab File: BF077280.D
Acq: 12 Feb 2015 10:10

Tgt Ion:252 Resp: 60195
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 17.4 9.4 14.0#





#88

Benzo(k)fluoranthene

Concen: 6.29 ng

RT: 22.23 min Scan# 1867

Delta R.T. -0.02 min

Lab File: BF077280.D

Acq: 12 Feb 2015 10:10

Instrument :

BNA_F

ClientSampleId :

UB11ARE

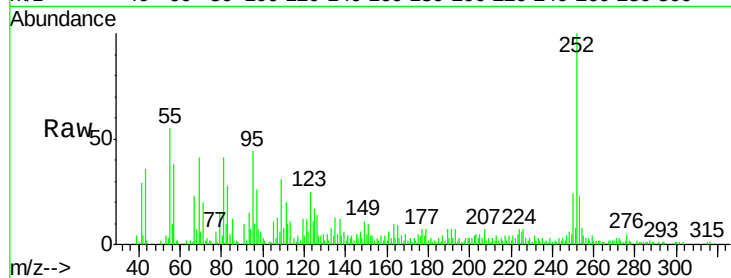
Tgt Ion:252 Resp: 60195

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

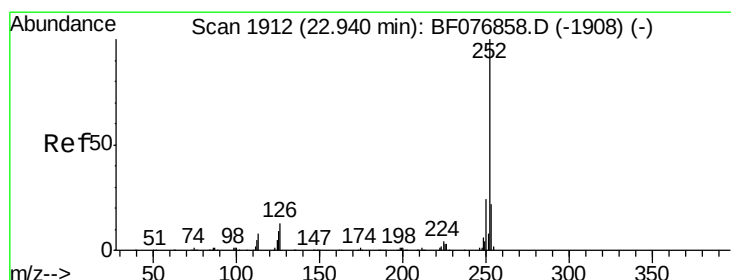
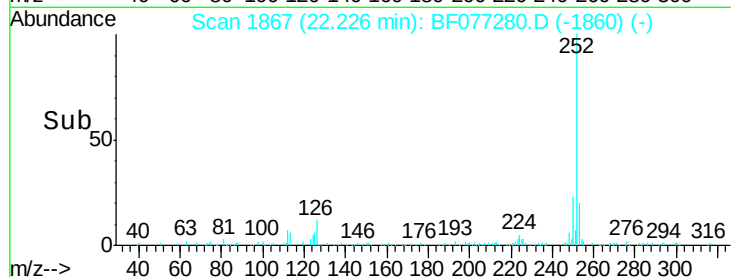
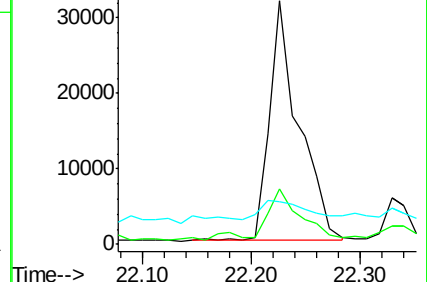
125 17.4 7.1 10.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 2.97 ng

RT: 22.57 min Scan# 1897

Delta R.T. -0.02 min

Lab File: BF077280.D

Acq: 12 Feb 2015 10:10

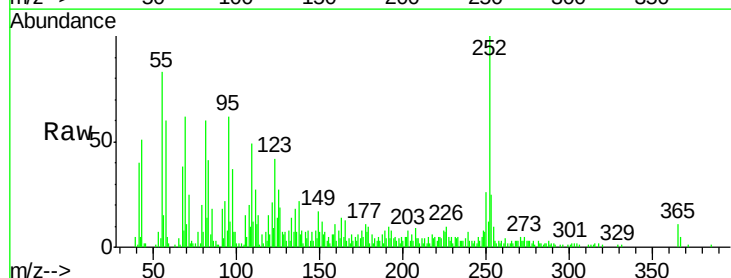
Tgt Ion:252 Resp: 28700

Ion Ratio Lower Upper

252 100

253 25.2 17.9 26.9

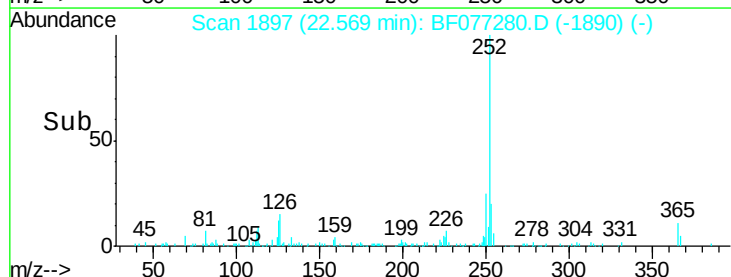
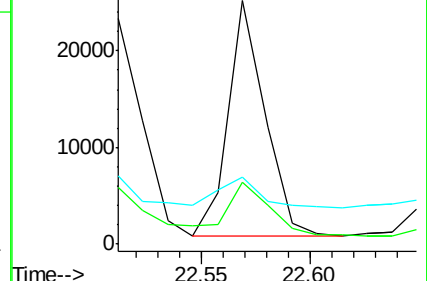
125 27.5 7.2 10.8#

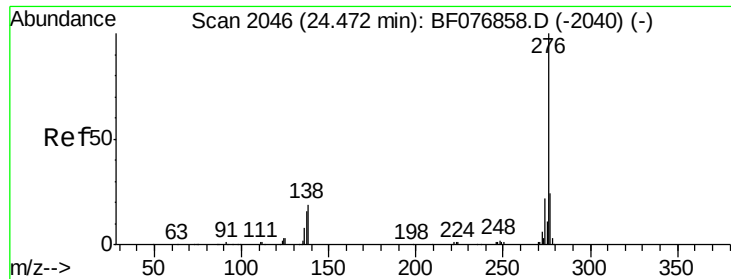


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.33 ng
 RT: 23.97 min Scan# 2020
 Delta R.T. -0.02 min
 Lab File: BF077280.D
 Acq: 12 Feb 2015 10:10

Instrument :
 BNA_F
 ClientSampleId :
 UB11ARE

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	19.5	29.3
138	29.9	15.0	22.6

