

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020116\
 Data File : BM004161.D
 Acq On : 01 Feb 2016 14:18
 Operator : SJ/IZ
 Sample : H1280-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X2252

Quant Time: Feb 02 01:22:19 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM012916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 02 01:18:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	1436	0.40	ng/ul	0.00
4) Naphthalene-d8	10.45	136	6253	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	4138	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	10680	0.40	ng/ul	0.00
18) Chrysene-d12	21.29	240	12292	0.40	ng/ul	0.00
22) Perylene-d12	23.52	264	11368	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.12	96	6	0.01	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.06	152	2408	0.29	ng/ul	0.00
16) Fluoranthene-d10	19.11	212	10981	0.41	ng/ul	0.00

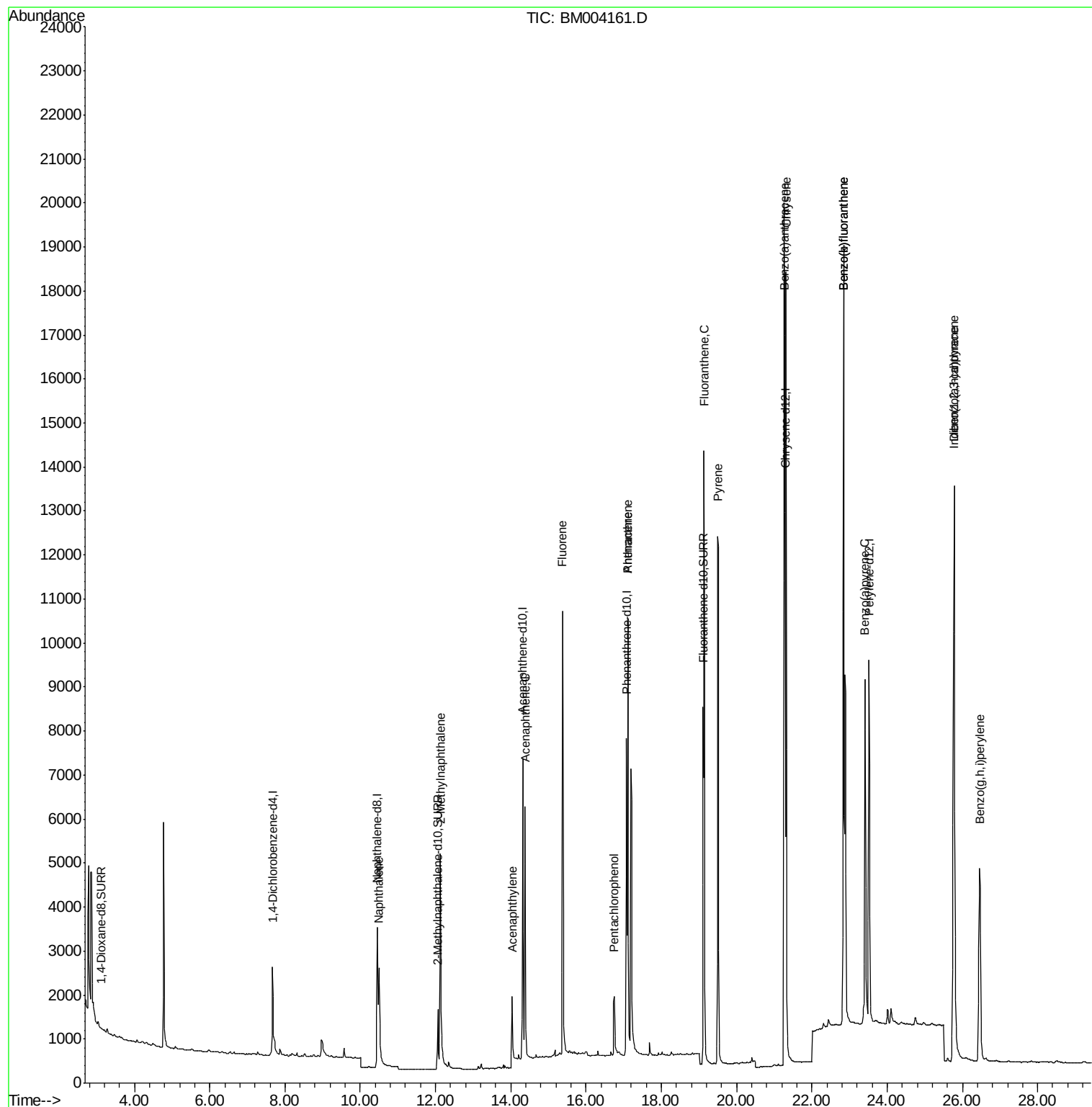
Target Compounds				Qvalue		
5) Naphthalene	10.50	128	3777	0.25	ng/ul#	92
7) 2-Methylnaphthalene	12.13	142	5185	0.48	ng/ul	98
9) Acenaphthylene	14.04	152	2025	0.14	ng/ul#	94
10) Acenaphthene	14.38	153	4545	0.33	ng/ul	97
11) Fluorene	15.38	166	7548	0.46	ng/ul	88
13) Pentachlorophenol	16.75	266	1648	1.87	ng/ul	96
14) Phenanthrene	17.11	178	11058	0.38	ng/ul#	94
15) Anthracene	17.11	178	11053	0.45	ng/ul	97
17) Fluoranthene	19.14	202	14131	0.39	ng/ul	96
19) Pyrene	19.51	202	14128	0.37	ng/ul#	92
20) Benzo(a)anthracene	21.27	228	16242	0.52	ng/ul	97
21) Chrysene	21.32	228	17102	0.45	ng/ul	96
23) Benzo(b)fluoranthene	22.84	252	23874	0.63	ng/ul	99
24) Benzo(k)fluoranthene	22.84	252	23874	0.67	ng/ul	97
25) Benzo(a)pyrene	23.41	252	12173	0.37	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.77	276	5736	0.16	ng/ul#	59
27) Dibenzo(a,h)anthracene	25.78	278	21658	0.79	ng/ul	99
28) Benzo(g,h,i)perylene	26.46	276	9655	0.28	ng/ul	99

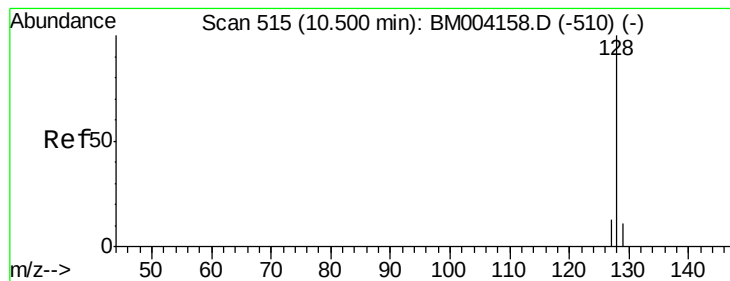
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.25 ng/ul

RT: 10.50 min Scan# 515

Delta R.T. 0.00 min

Lab File: BM004161.D

Acq: 01 Feb 2016 14:18

Instrument :

BNA_M

ClientSampleId :

X2252

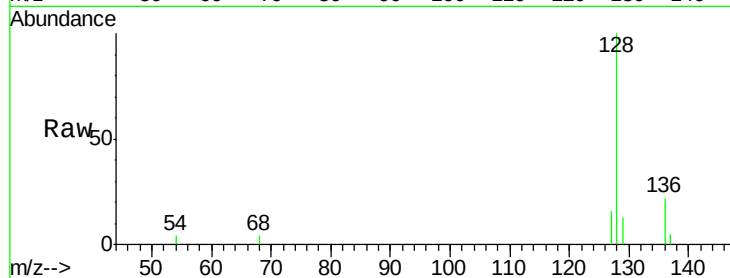
Tgt Ion:128 Resp: 3777

Ion Ratio Lower Upper

128 100

129 13.4 9.0 13.6

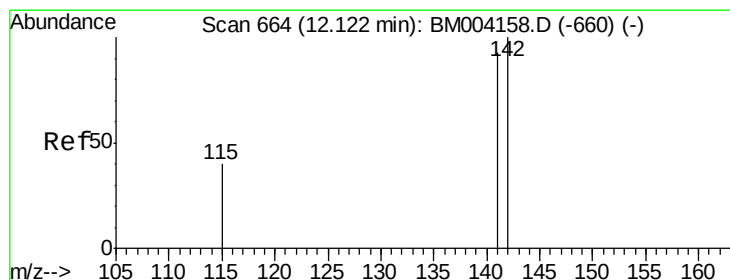
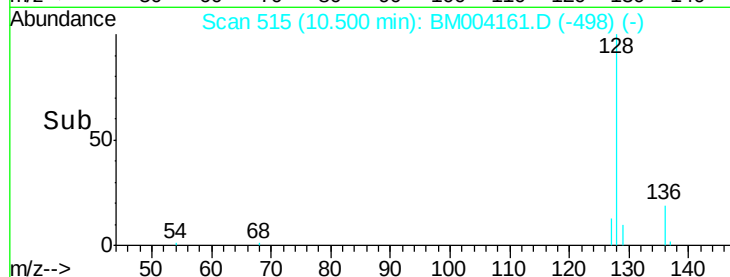
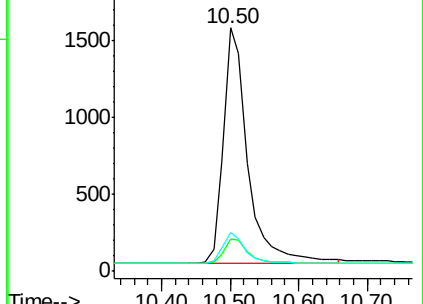
127 16.1 9.6 14.4#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 0.48 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. 0.01 min

Lab File: BM004161.D

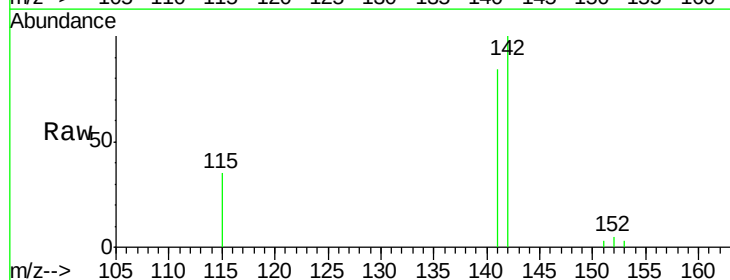
Acq: 01 Feb 2016 14:18

Tgt Ion:142 Resp: 5185

Ion Ratio Lower Upper

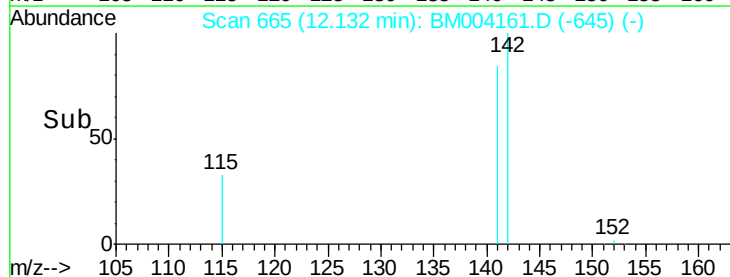
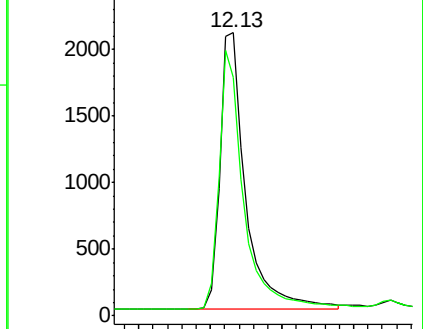
142 100

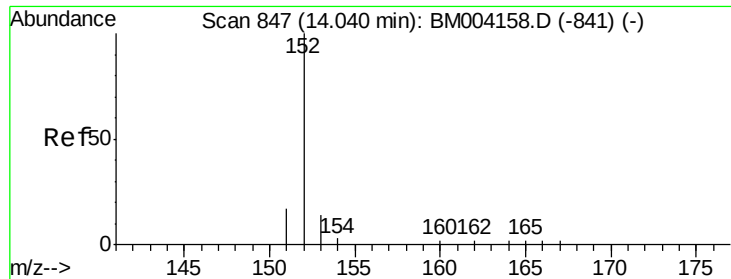
141 90.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.14 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.00 min

Lab File: BM004161.D

Acq: 01 Feb 2016 14:18

Instrument :

BNA_M

ClientSampleId :

X2252

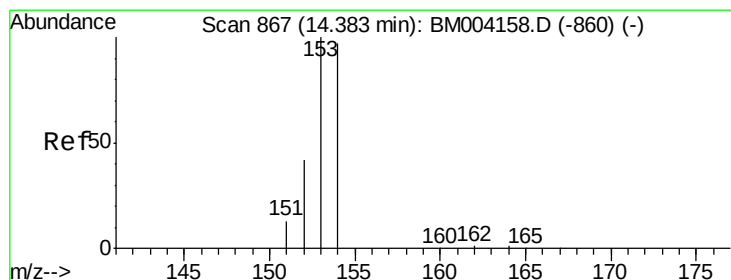
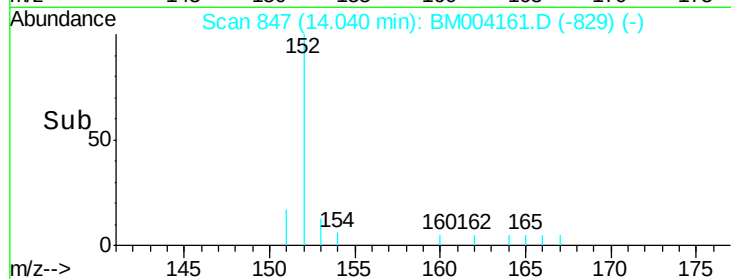
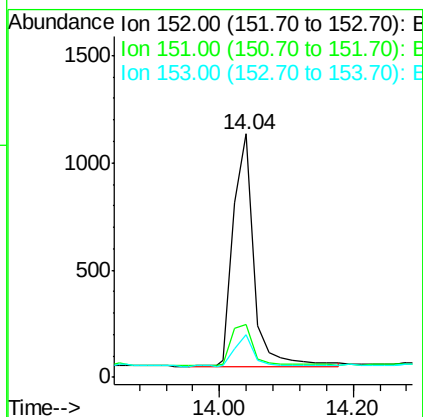
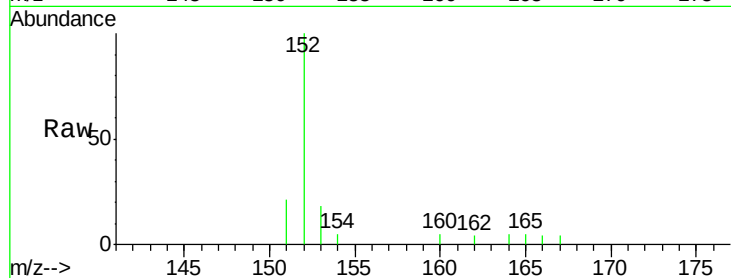
Tgt Ion:152 Resp: 2025

Ion Ratio Lower Upper

152 100

151 21.5 17.6 26.4

153 17.7 9.7 14.5#



#10

Acenaphthene

Concen: 0.33 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.00 min

Lab File: BM004161.D

Acq: 01 Feb 2016 14:18

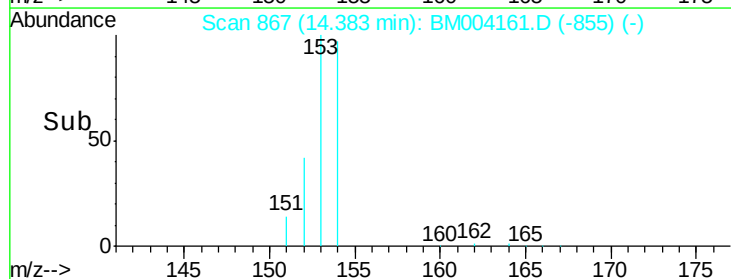
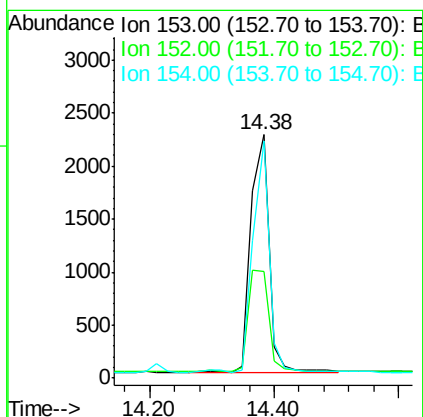
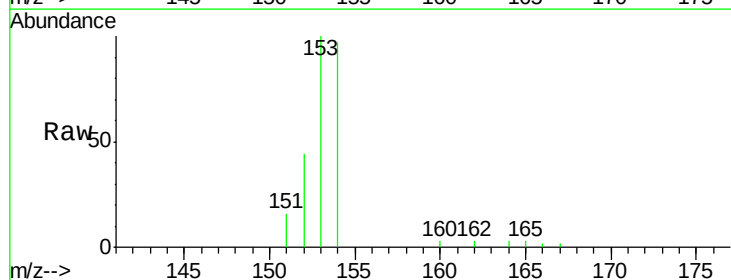
Tgt Ion:153 Resp: 4545

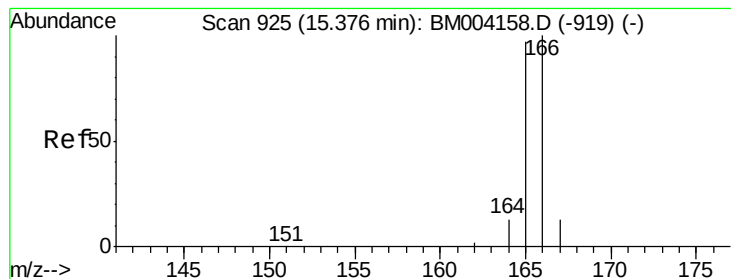
Ion Ratio Lower Upper

153 100

152 43.8 33.9 50.9

154 97.4 80.6 121.0





#11

Fluorene

Concen: 0.46 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. 0.00 min

Lab File: BM004161.D

Acq: 01 Feb 2016 14:18

Instrument :

BNA_M

ClientSampleId :

X2252

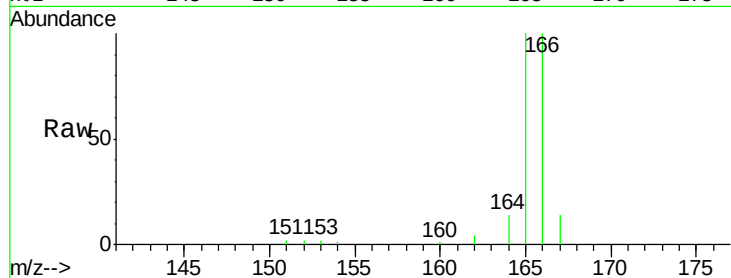
Tgt Ion:166 Resp: 7548

Ion Ratio Lower Upper

166 100

165 99.5 69.6 104.4

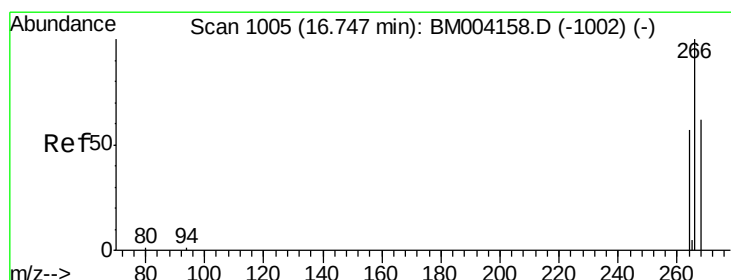
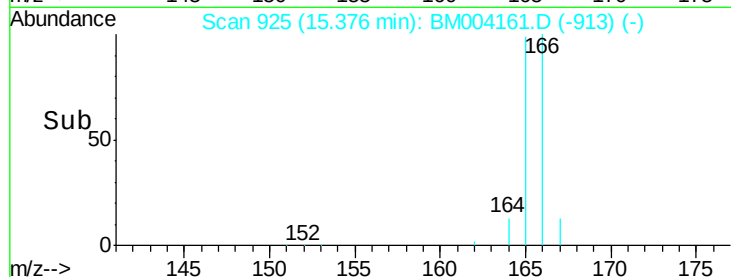
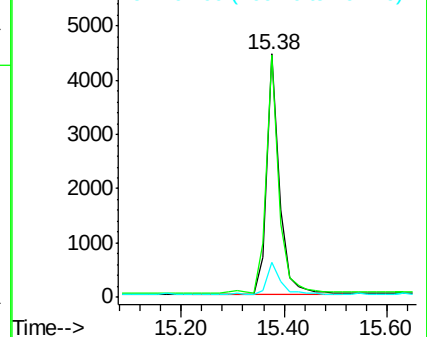
167 14.2 11.9 17.9



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#13

Pentachlorophenol

Concen: 1.87 ng/ul

RT: 16.75 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BM004161.D

Acq: 01 Feb 2016 14:18

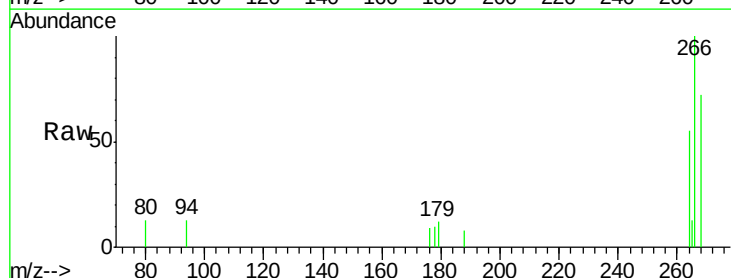
Tgt Ion:266 Resp: 1648

Ion Ratio Lower Upper

266 100

264 63.2 51.8 77.8

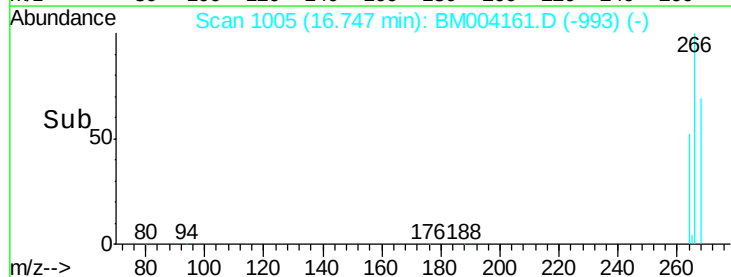
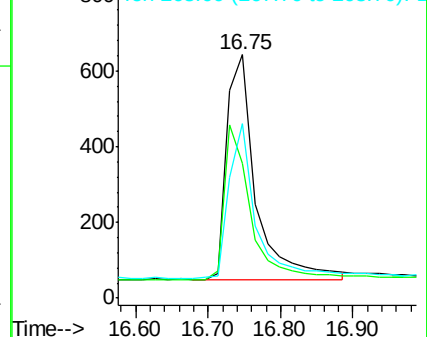
268 63.9 46.8 70.2

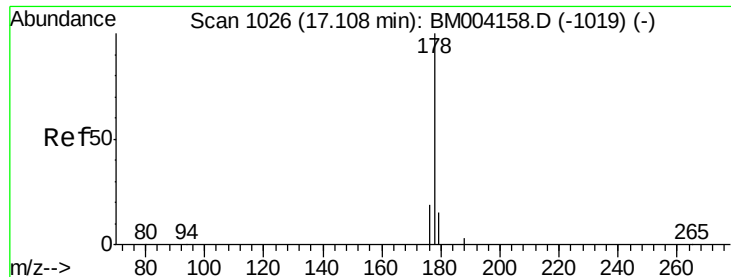


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.38 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BM004161.D

Acq: 01 Feb 2016 14:18

Instrument :

BNA_M

ClientSampleId :

X2252

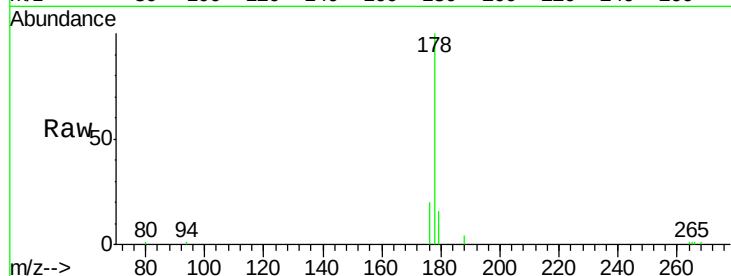
Tgt Ion:178 Resp: 11058

Ion Ratio Lower Upper

178 100

176 19.7 13.0 19.4#

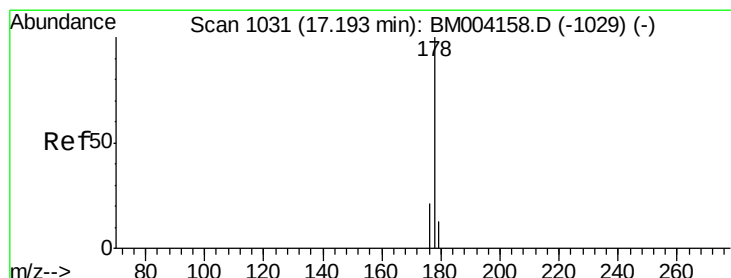
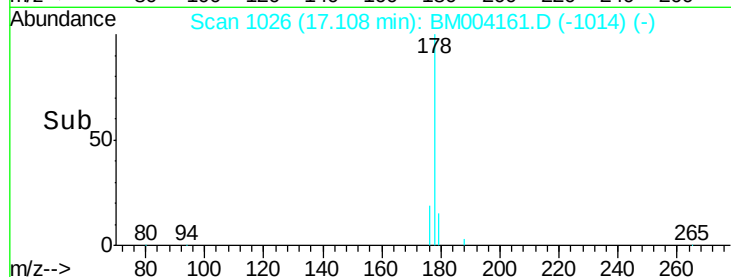
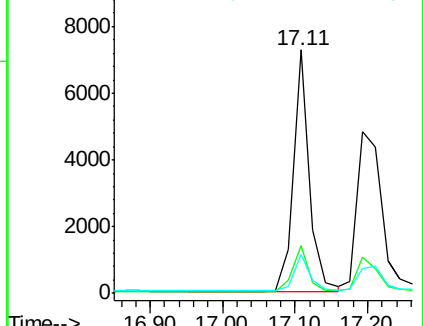
179 15.8 14.2 21.2



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



#15

Anthracene

Concen: 0.45 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.09 min

Lab File: BM004161.D

Acq: 01 Feb 2016 14:18

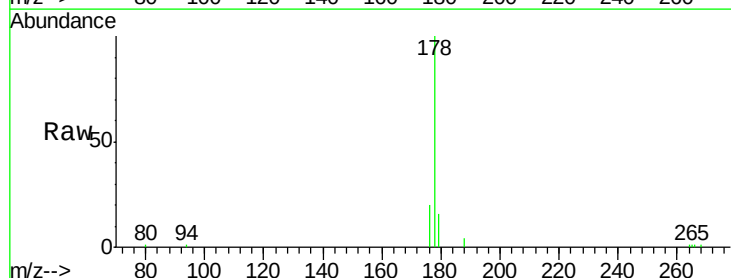
Tgt Ion:178 Resp: 11053

Ion Ratio Lower Upper

178 100

176 19.7 14.0 21.0

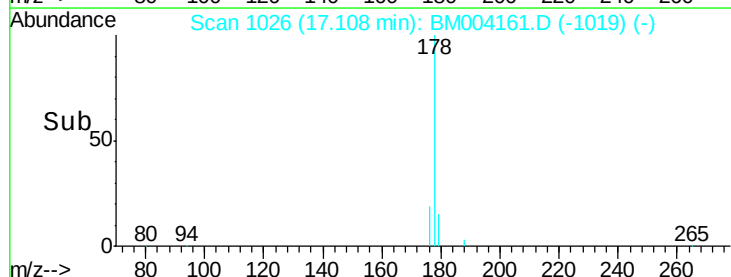
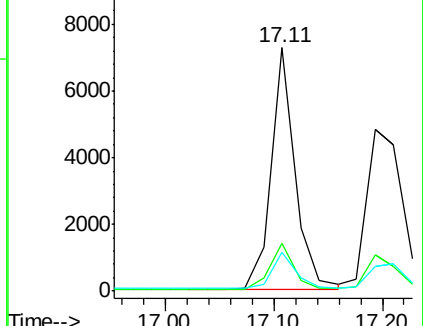
179 15.8 12.9 19.3

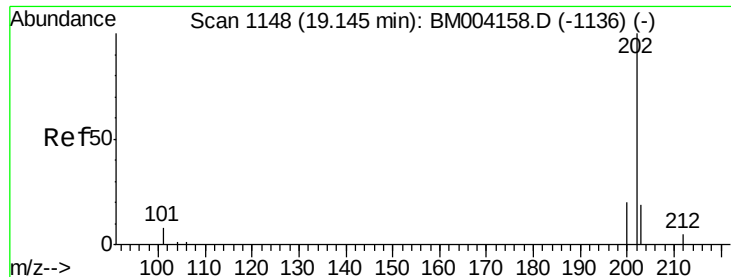


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

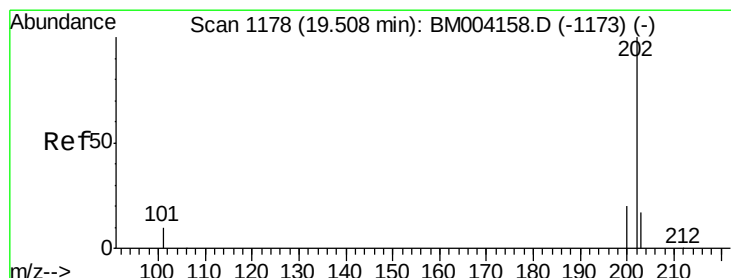
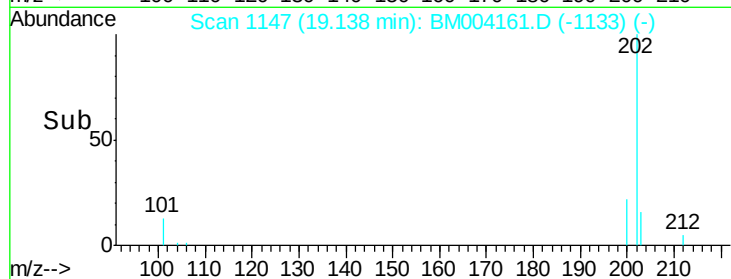
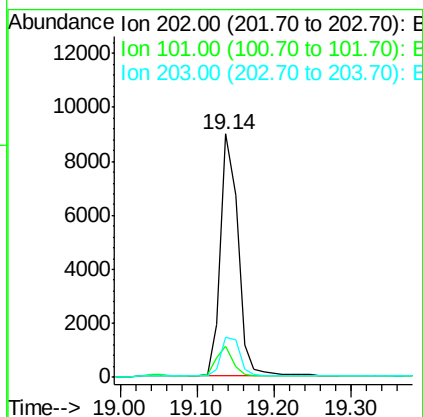
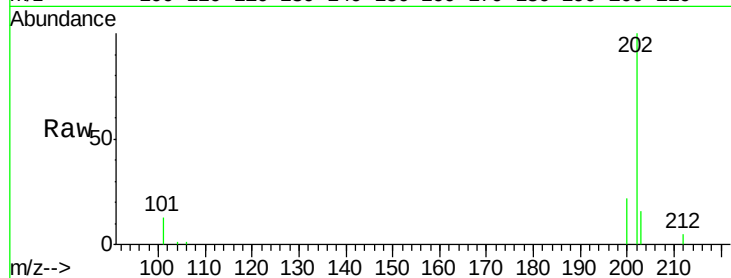




#17
Fluoranthene
 Concen: 0.39 ng/ul
 RT: 19.14 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BM004161.D
 Acq: 01 Feb 2016 14:18

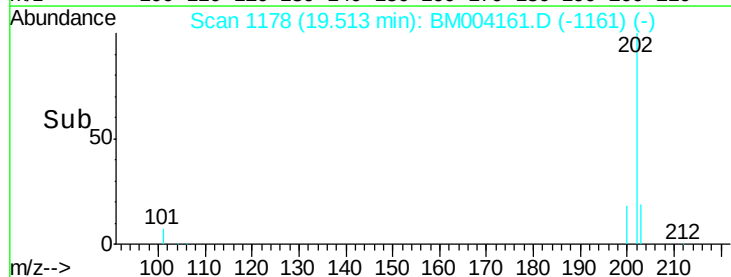
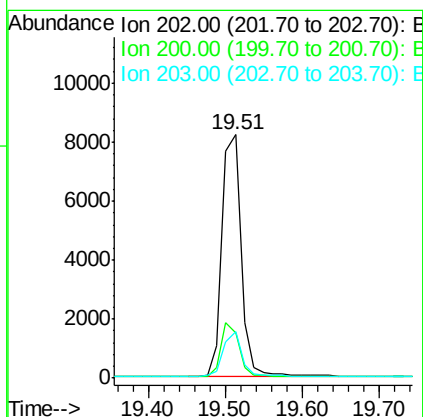
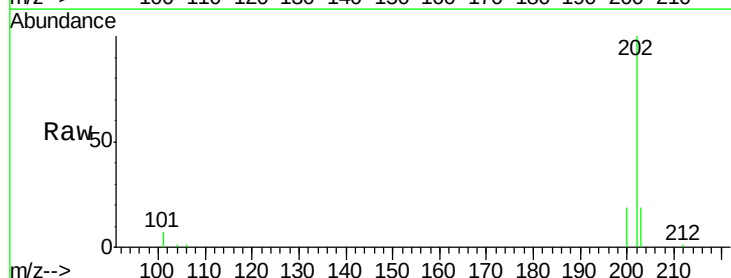
Instrument :
 BNA_M
 ClientSampleId :
 X2252

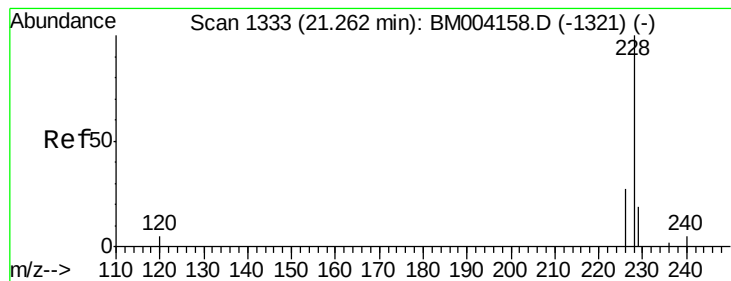
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	29.6
203	16.4	0.0	36.3



#19
Pyrene
 Concen: 0.37 ng/ul
 RT: 19.51 min Scan# 1178
 Delta R.T. 0.01 min
 Lab File: BM004161.D
 Acq: 01 Feb 2016 14:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	18.8	17.8	26.8
203	19.3	12.8	19.2#





#20

Benzo(a)anthracene

Concen: 0.52 ng/ul

RT: 21.27 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BM004161.D

Acq: 01 Feb 2016 14:18

Instrument :

BNA_M

ClientSampleId :

X2252

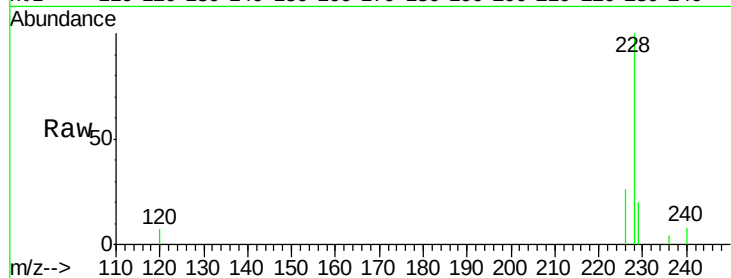
Tgt Ion:228 Resp: 16242

Ion Ratio Lower Upper

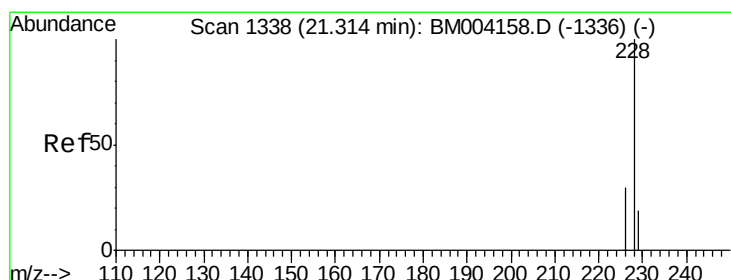
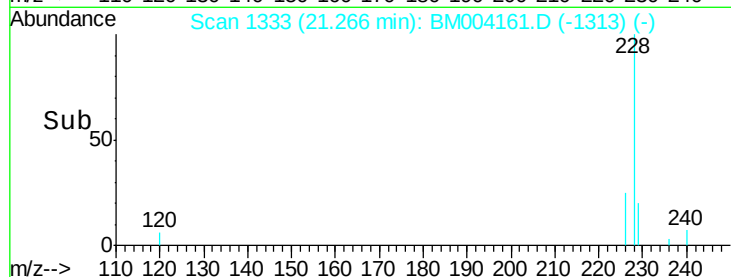
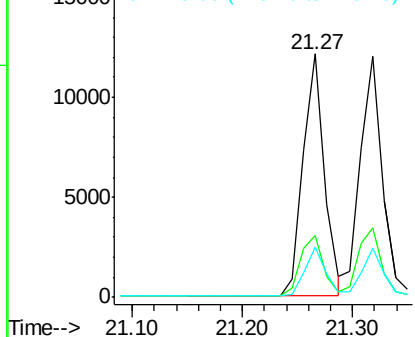
228 100

226 25.7 18.8 28.2

229 20.5 17.1 25.7



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



#21

Chrysene

Concen: 0.45 ng/ul

RT: 21.32 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BM004161.D

Acq: 01 Feb 2016 14:18

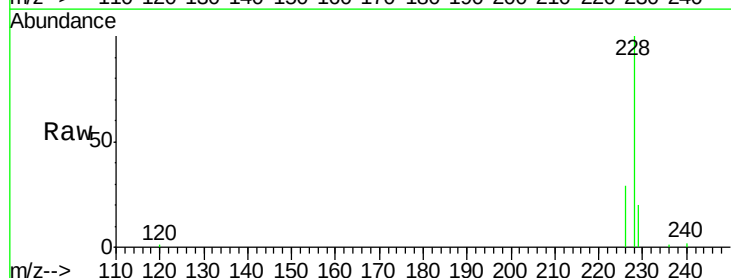
Tgt Ion:228 Resp: 17102

Ion Ratio Lower Upper

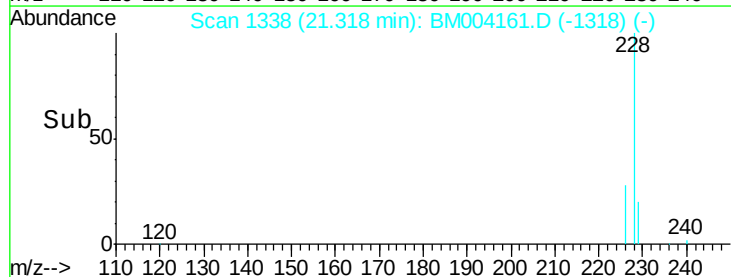
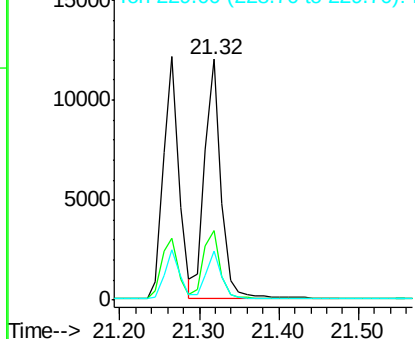
228 100

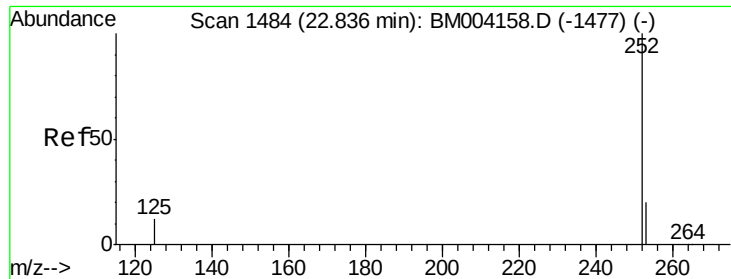
226 28.7 21.2 31.8

229 20.1 17.0 25.6



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





#23

Benzo(b)fluoranthene

Concen: 0.63 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. 0.00 min

Lab File: BM004161.D

Acq: 01 Feb 2016 14:18

Instrument :

BNA_M

ClientSampleId :

X2252

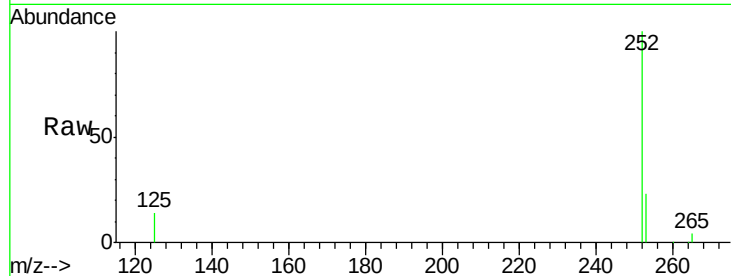
Tgt Ion:252 Resp: 23874

Ion Ratio Lower Upper

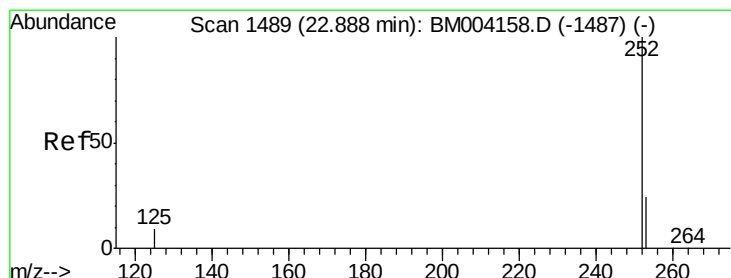
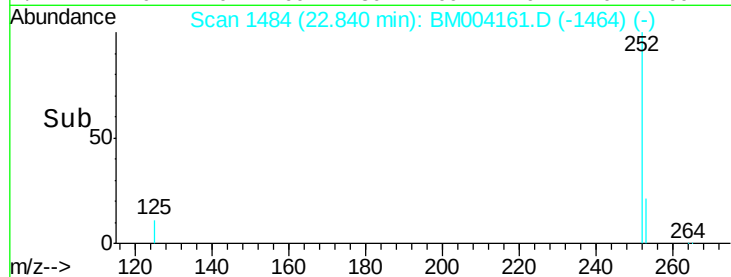
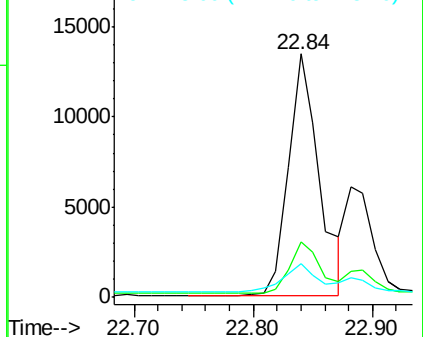
252 100

253 22.6 0.0 45.4

125 13.6 0.0 28.8



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



#24

Benzo(k)fluoranthene

Concen: 0.67 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.05 min

Lab File: BM004161.D

Acq: 01 Feb 2016 14:18

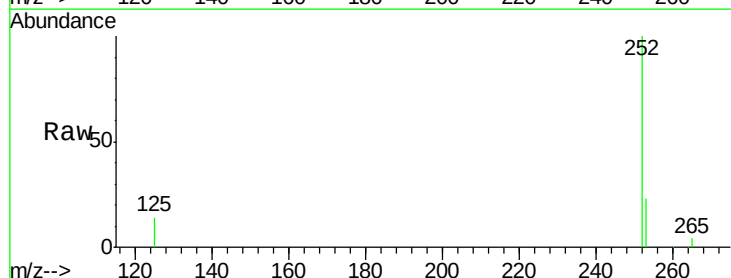
Tgt Ion:252 Resp: 23874

Ion Ratio Lower Upper

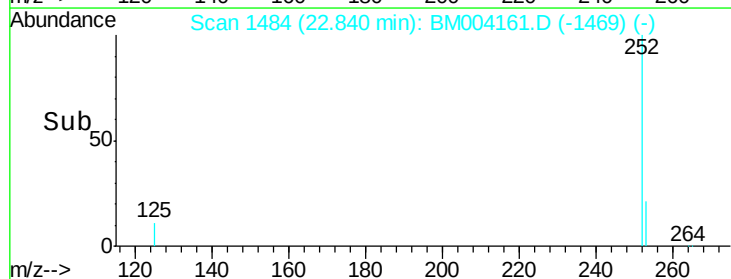
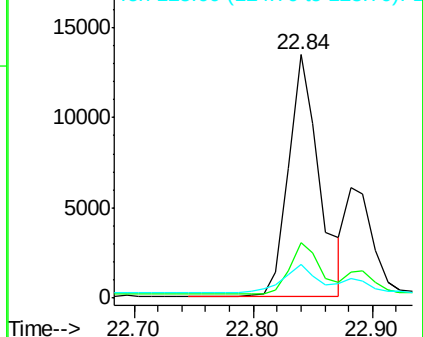
252 100

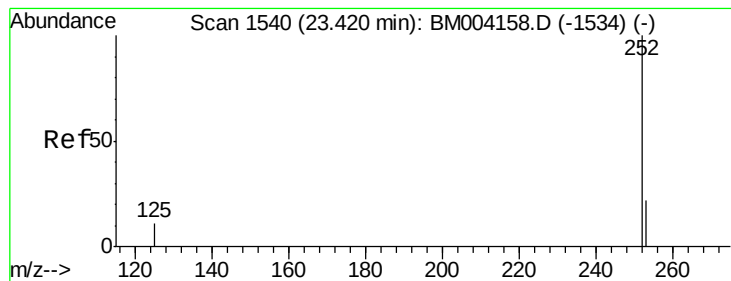
253 22.6 19.8 29.8

125 13.6 10.4 15.6



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





#25

Benzo(a)pyrene

Concen: 0.37 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. -0.01 min

Lab File: BM004161.D

Acq: 01 Feb 2016 14:18

Instrument :

BNA_M

ClientSampleId :

X2252

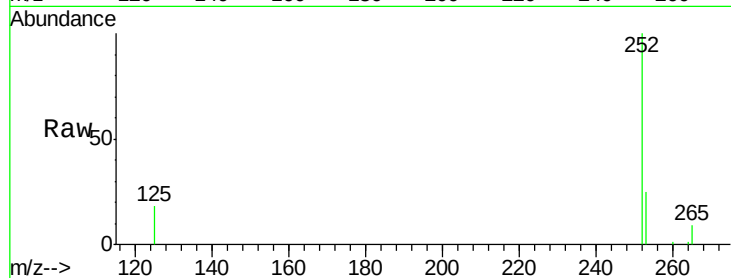
Tgt Ion:252 Resp: 12173

Ion Ratio Lower Upper

252 100

253 24.7 19.4 29.2

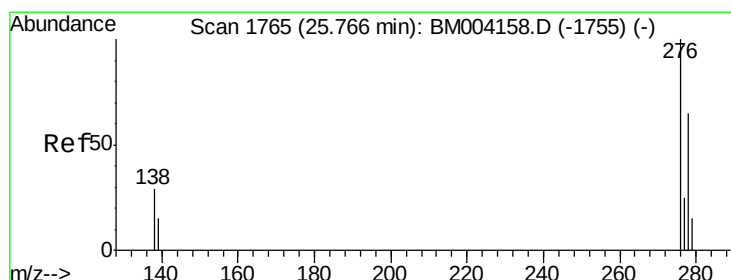
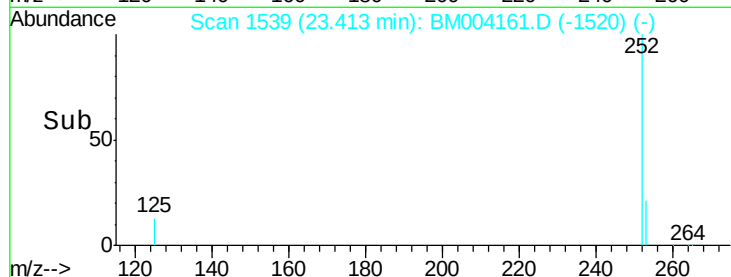
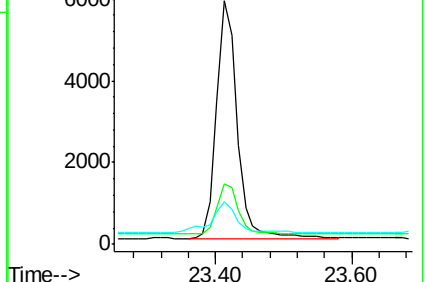
125 17.8 12.7 19.1



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.16 ng/ul

RT: 25.77 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BM004161.D

Acq: 01 Feb 2016 14:18

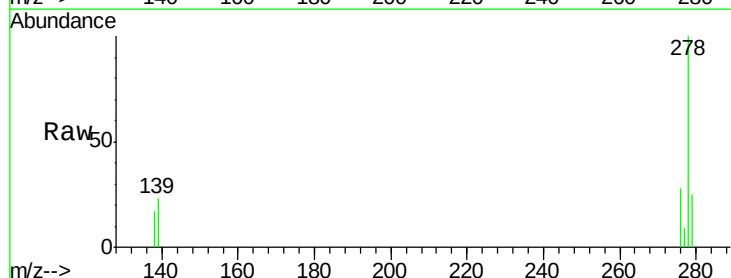
Tgt Ion:276 Resp: 5736

Ion Ratio Lower Upper

276 100

138 56.7 16.3 24.5#

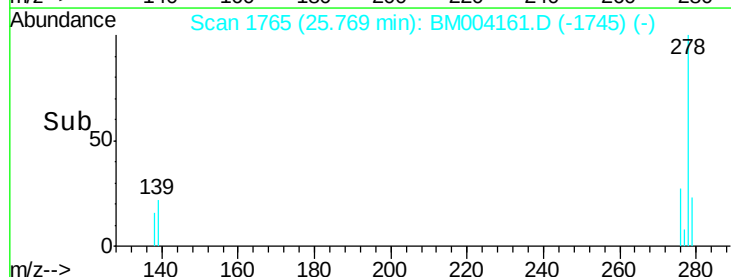
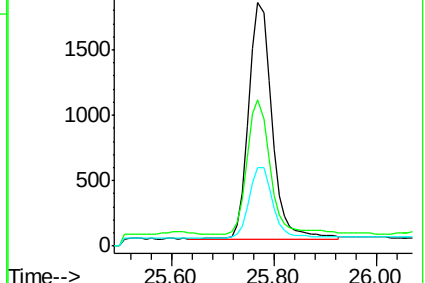
277 29.7 19.8 29.8

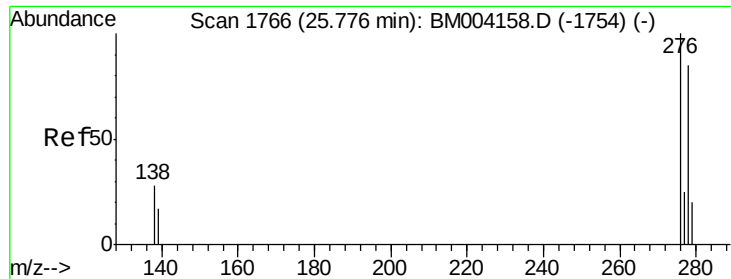


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



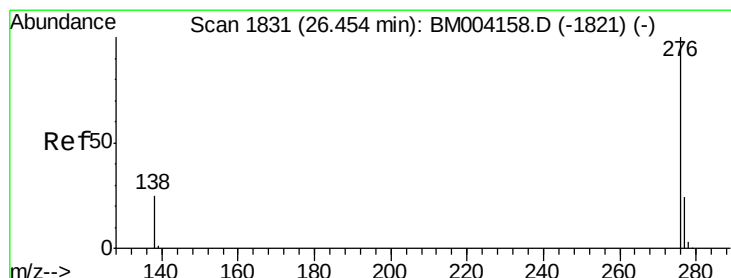
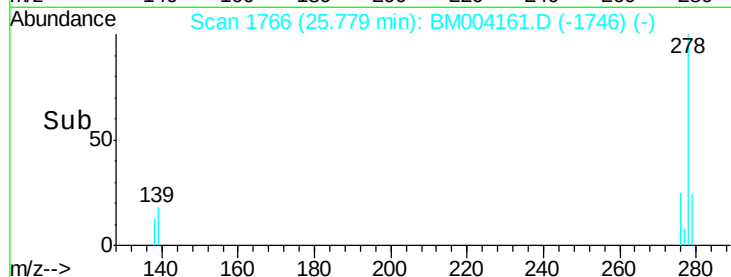
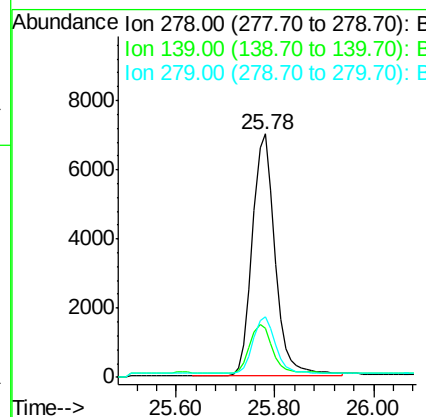
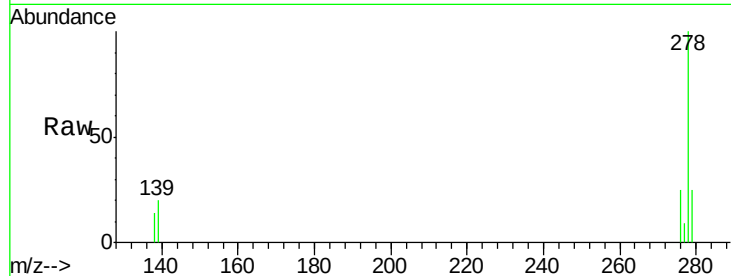


#27
Dibenzo(a,h)anthracene
Concen: 0.79 ng/ul
RT: 25.78 min Scan# 1766
Delta R.T. 0.00 min
Lab File: BM004161.D
Acq: 01 Feb 2016 14:18

Instrument :
BNA_M
ClientSampleId :
X2252

Tgt Ion: 278 Resp: 21658

Ion	Ratio	Lower	Upper
278	100		
139	19.9	16.4	24.6
279	25.1	20.2	30.2



#28
Benzo(g,h,i)perylene
Concen: 0.28 ng/ul
RT: 26.46 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BM004161.D
Acq: 01 Feb 2016 14:18

Tgt Ion: 276 Resp: 9655

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.9	28.3
138	28.1	22.5	33.7

