

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092815\
 Data File : BM002734.D
 Acq On : 28 Sep 2015 15:26
 Operator : UM/IZ
 Sample : G3798-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67

Quant Time: Sep 29 00:33:45 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 00:32:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	10140	0.40	ng/ul	0.00
4) Naphthalene-d8	11.60	136	39066	0.40	ng/ul	0.01
8) Acenaphthene-d10	15.33	164	21676	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.14	188	69143	0.40	ng/ul	0.11
18) Chrysene-d12	22.24	240	2189	0.40	ng/ul	0.12
22) Perylene-d12	24.87	264	36697	0.40	ng/ul	0.15

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.80	96	6759	0.65	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.13	152	7018	0.12	ng/ul	0.00
16) Fluoranthene-d10	20.16	212	1288	0.01	ng/ul	0.16

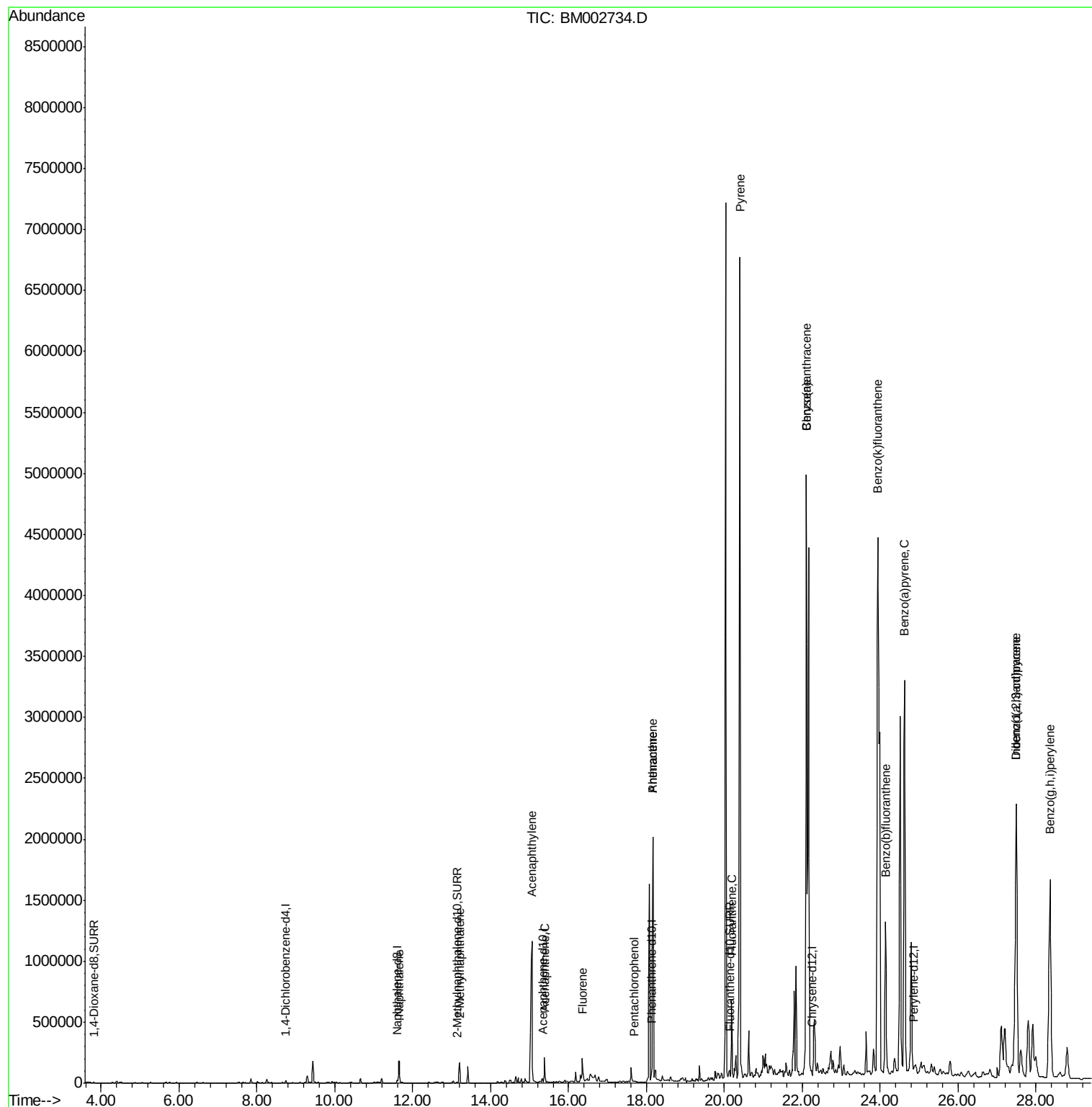
Target Compounds				Qvalue		
5) Naphthalene	11.65	128	291680	2.76	ng/ul	97
7) 2-Methylnaphthalene	13.20	142	136945	2.01	ng/ul	99
9) Acenaphthylene	15.06	152	1608561	14.39	ng/ul	95
10) Acenaphthene	15.38	153	130292	1.60	ng/ul	92
11) Fluorene	16.36	166	194920	2.10	ng/ul	88
13) Pentachlorophenol	17.69	266	1399	0.10	ng/ul	85
14) Phenanthrene	18.17	178	2452496	10.90	ng/ul	96
15) Anthracene	18.17	178	2447747	11.77	ng/ul	96
17) Fluoranthene	20.18	202	545671	2.23	ng/ul	78
19) Pyrene	20.40	202	7183811	842.07	ng/ul	94
20) Benzo(a)anthracene	22.11	228	5812213	794.53	ng/ul	98
21) Chrysene	22.11	228	1973829	281.89	ng/ul	96
23) Benzo(b)fluoranthene	24.14	252	1822656	13.78	ng/ul	95
24) Benzo(k)fluoranthene	23.94	252	9172819	74.84	ng/ul	95
25) Benzo(a)pyrene	24.63	252	5260987	43.19	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	27.50	276	4060106	29.88	ng/ul	95
27) Dibenzo(a,h)anthracene	27.50	278	999904	8.97	ng/ul	98
28) Benzo(g,h,i)perylene	28.36	276	3905533	33.90	ng/ul	97

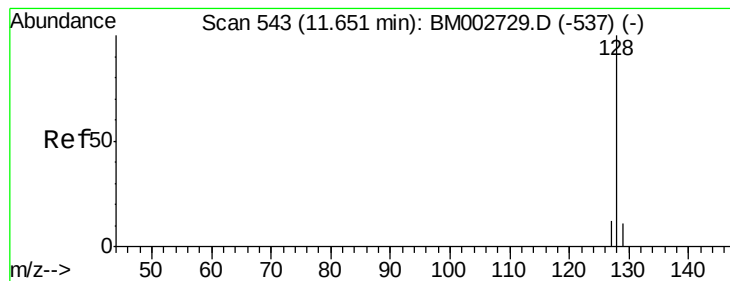
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 2.76 ng/ul

RT: 11.65 min Scan# 543

Delta R.T. -0.00 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

Instrument :

BNA_M

ClientSampleId :

D9G67

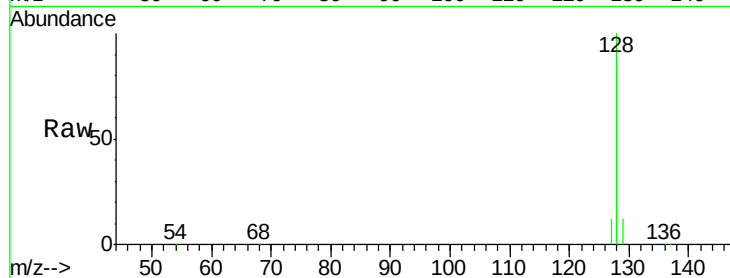
Tgt Ion:128 Resp: 291680

Ion Ratio Lower Upper

128 100

129 11.6 9.8 14.8

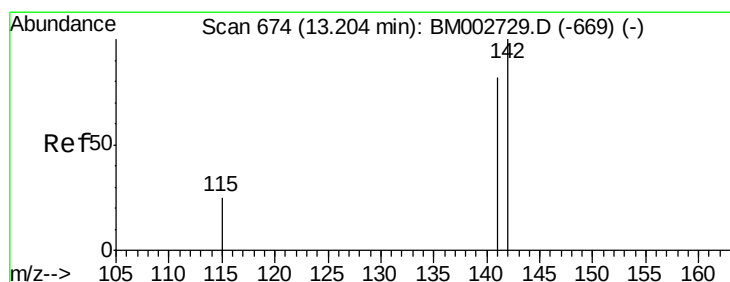
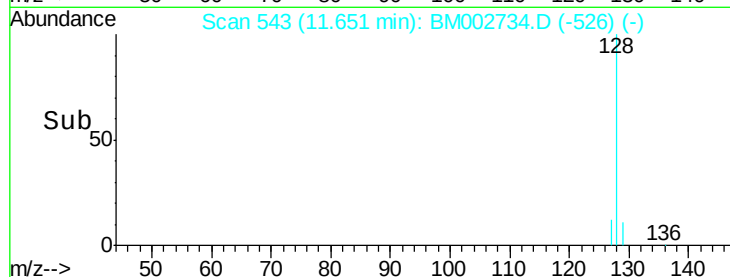
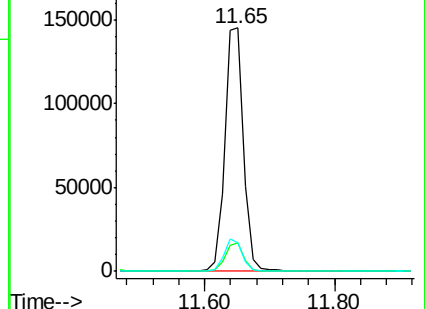
127 11.8 10.7 16.1



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: 2.01 ng/ul

RT: 13.20 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM002734.D

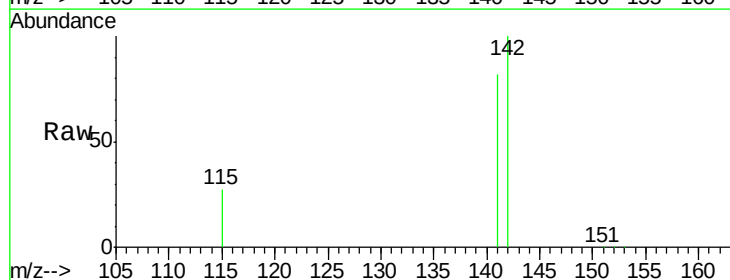
Acq: 28 Sep 2015 15:26

Tgt Ion:142 Resp: 136945

Ion Ratio Lower Upper

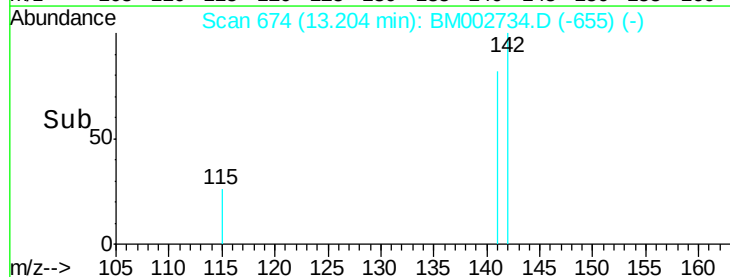
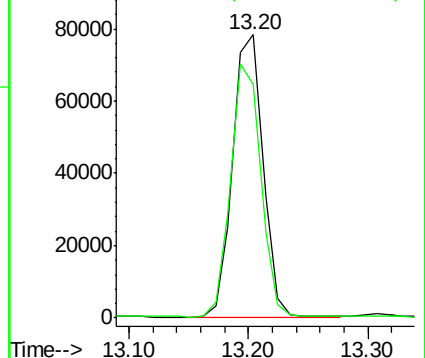
142 100

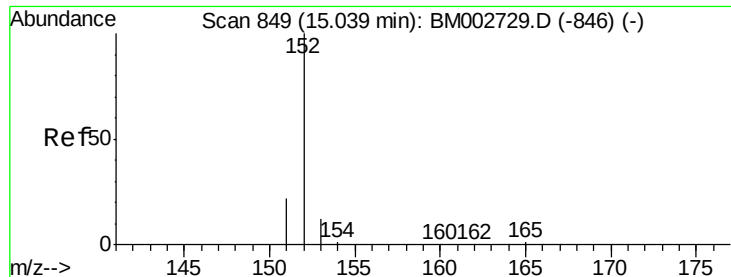
141 88.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 14.39 ng/ul

RT: 15.06 min Scan# 850

Delta R.T. 0.02 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

Instrument :

BNA_M

ClientSampleId :

D9G67

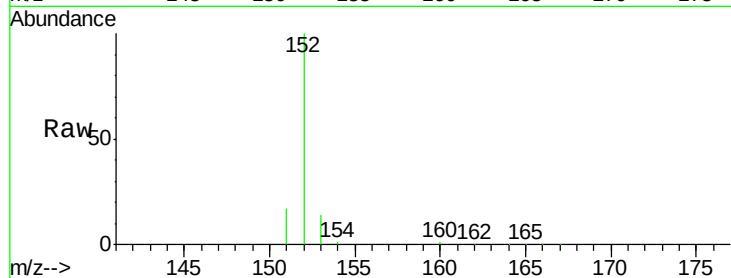
Tgt Ion:152 Resp: 1608561

Ion Ratio Lower Upper

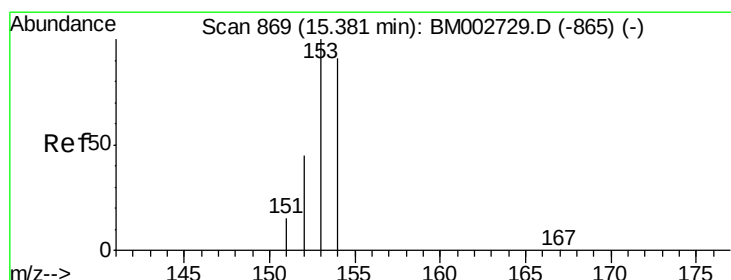
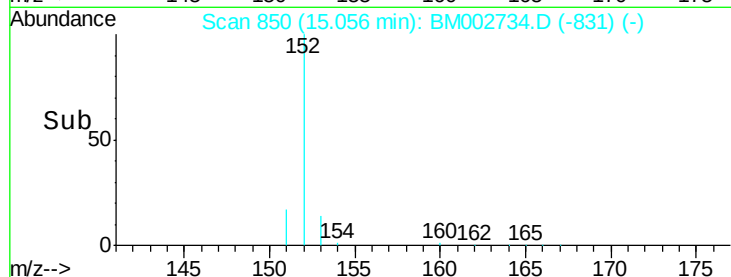
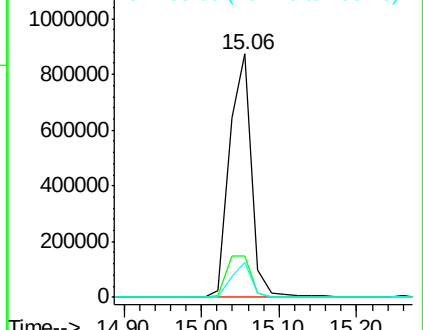
152 100

151 17.2 16.8 25.2

153 14.2 11.3 16.9



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#10

Acenaphthene

Concen: 1.60 ng/ul

RT: 15.38 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

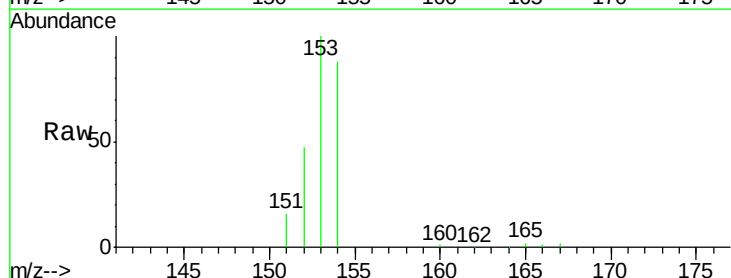
Tgt Ion:153 Resp: 130292

Ion Ratio Lower Upper

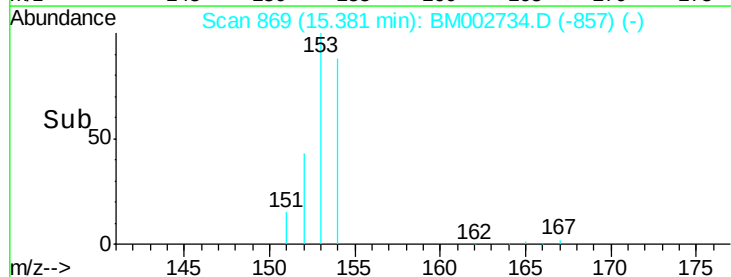
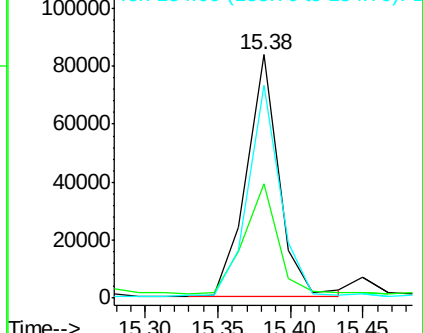
153 100

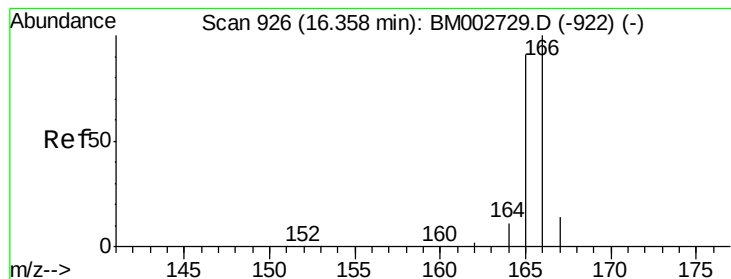
152 47.1 42.3 63.5

154 87.6 64.7 97.1



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 2.10 ng/ul

RT: 16.36 min Scan# 926

Delta R.T. -0.00 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

Instrument :

BNA_M

ClientSampleId :

D9G67

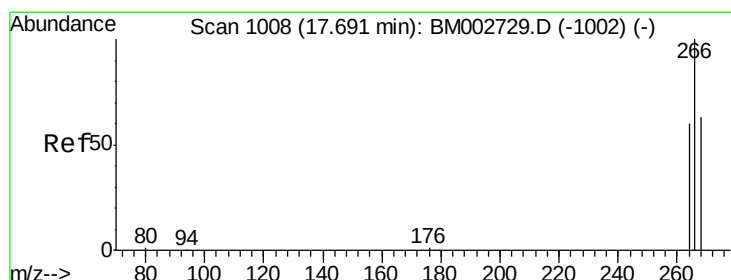
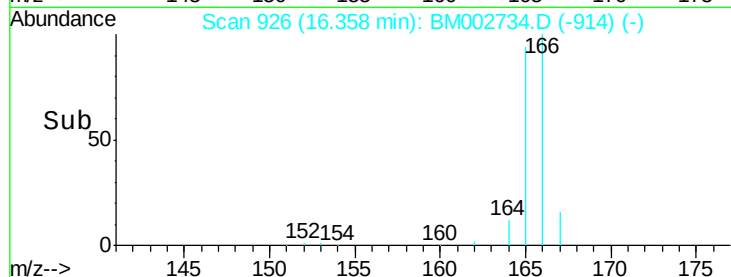
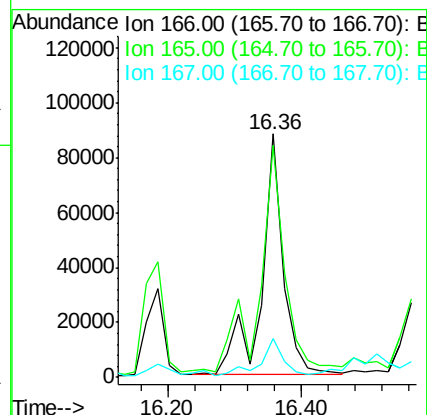
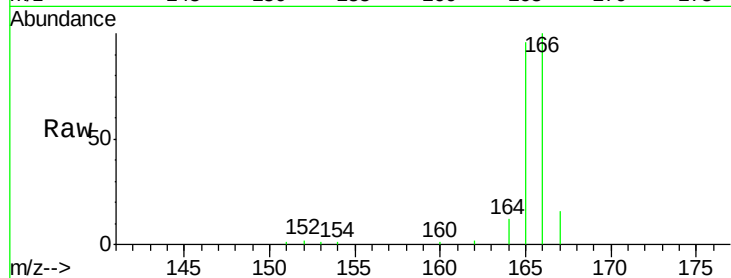
Tgt Ion:166 Resp: 194920

Ion Ratio Lower Upper

166 100

165 95.5 87.6 131.4

167 16.2 11.1 16.7



#13

Pentachlorophenol

Concen: 0.10 ng/ul

RT: 17.69 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

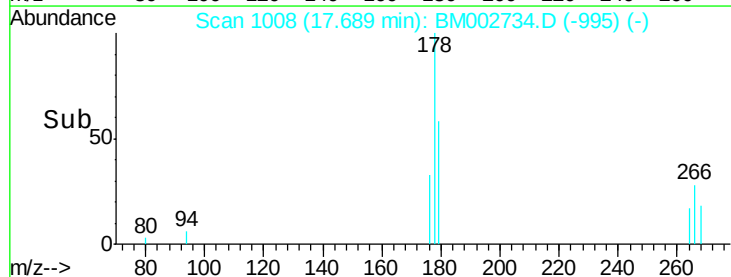
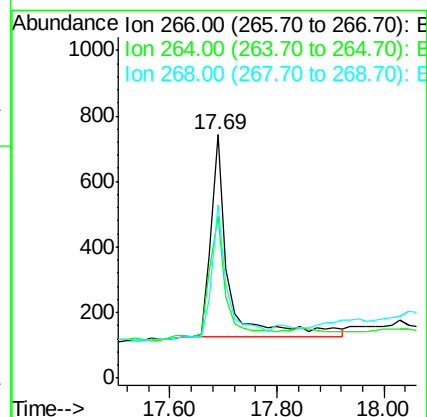
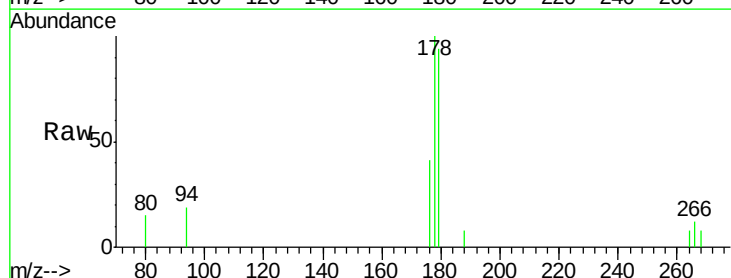
Tgt Ion:266 Resp: 1399

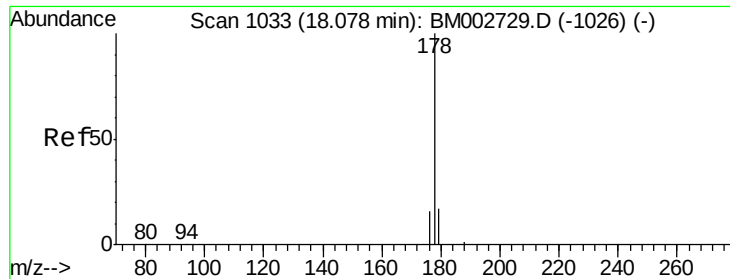
Ion Ratio Lower Upper

266 100

264 54.3 53.5 80.3

268 56.6 54.2 81.2





#14

Phenanthrene

Concen: 10.90 ng/ul

RT: 18.17 min Scan# 1039

Delta R.T. 0.09 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

Instrument :

BNA_M

ClientSampleId :

D9G67

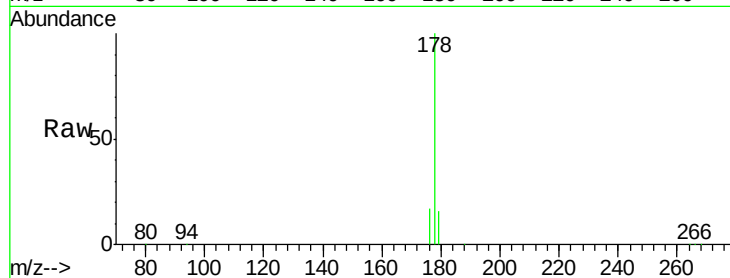
Tgt Ion:178 Resp: 2452496

Ion Ratio Lower Upper

178 100

176 17.0 16.2 24.4

179 16.4 12.8 19.2



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

2000000

1500000

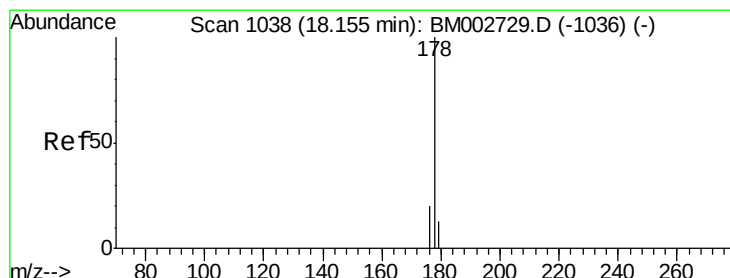
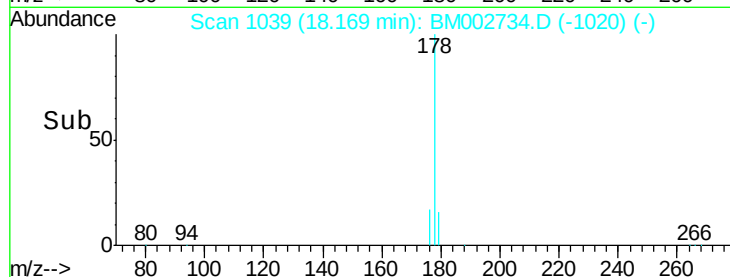
1000000

500000

0

18.10 18.17 18.20 18.30

Time-->



#15

Anthracene

Concen: 11.77 ng/ul

RT: 18.17 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

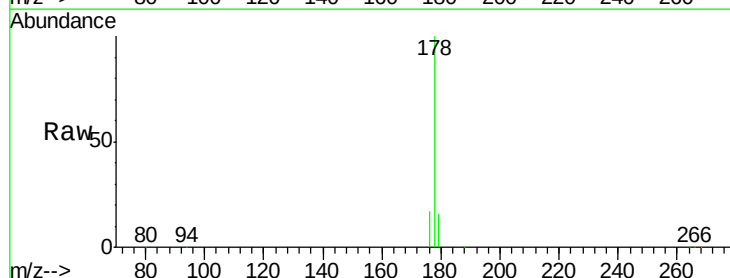
Tgt Ion:178 Resp: 2447747

Ion Ratio Lower Upper

178 100

176 17.0 15.8 23.8

179 16.4 13.3 19.9



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

2000000

1500000

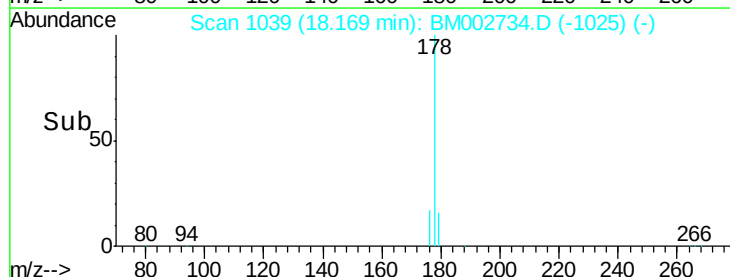
1000000

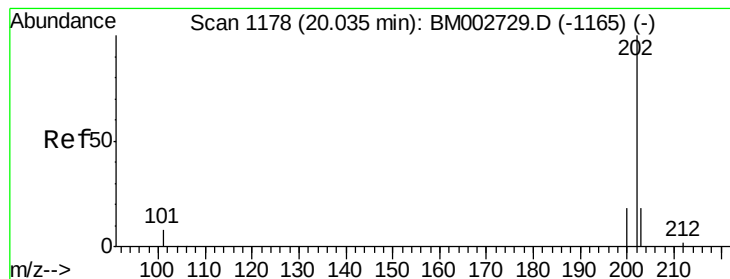
500000

0

18.20 18.40

Time-->





#17

Fluoranthene

Concen: 2.23 ng/ul

RT: 20.18 min Scan# 1190

Delta R.T. 0.15 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

Instrument :

BNA_M

ClientSampleId :

D9G67

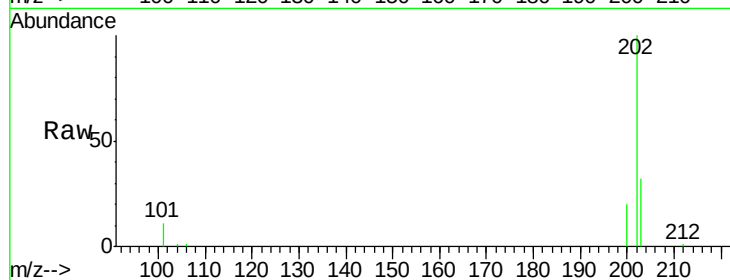
Tgt Ion:202 Resp: 545671

Ion Ratio Lower Upper

202 100

101 10.6 0.0 33.1

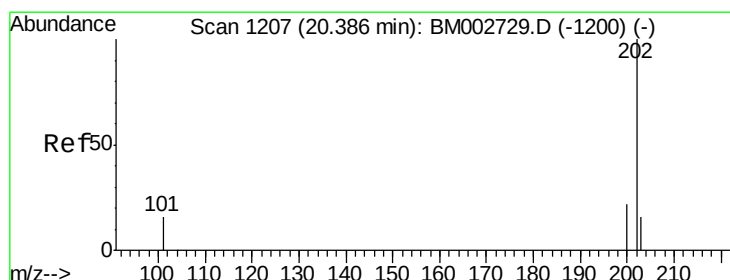
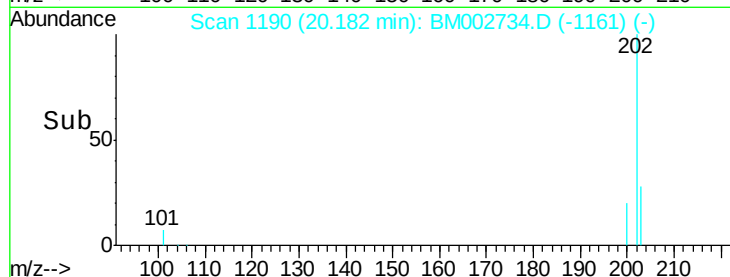
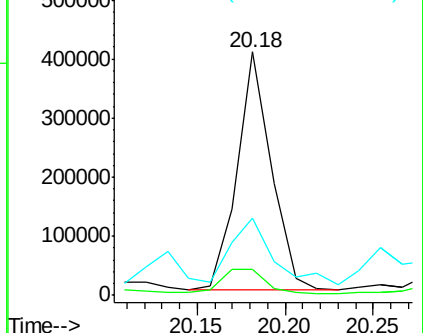
203 31.7 0.0 37.2



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



#19

Pyrene

Concen: 842.07 ng/ul

RT: 20.40 min Scan# 1208

Delta R.T. 0.01 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

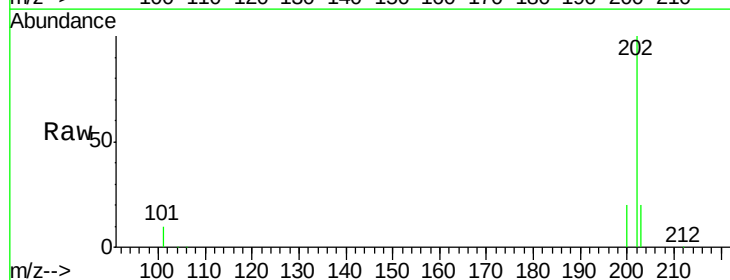
Tgt Ion:202 Resp: 7183811

Ion Ratio Lower Upper

202 100

200 20.2 18.0 27.0

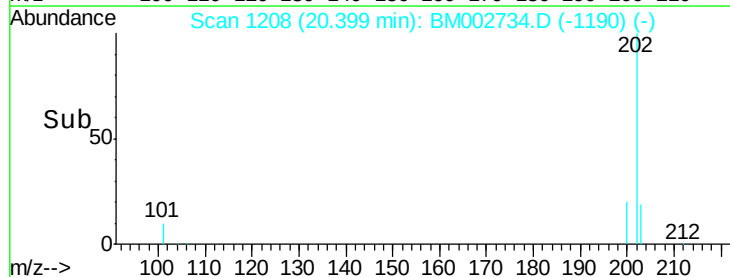
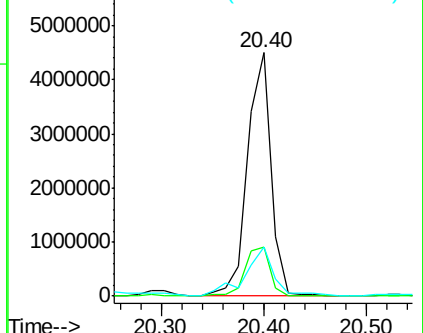
203 20.2 13.8 20.6

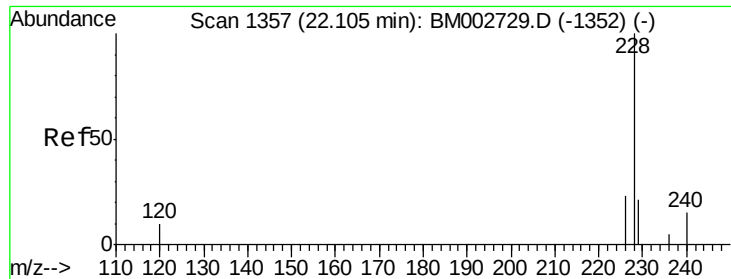


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 794.53 ng/ul

RT: 22.11 min Scan# 1357

Delta R.T. 0.00 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

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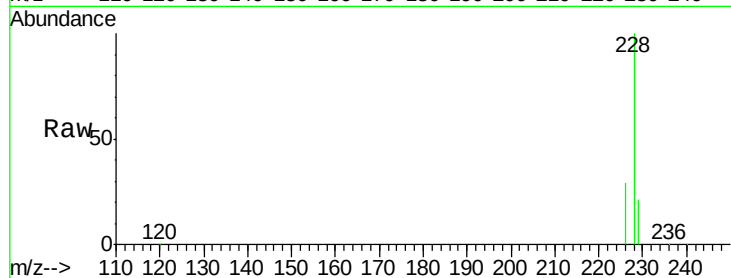
Tgt Ion:228 Resp: 5812213

Ion Ratio Lower Upper

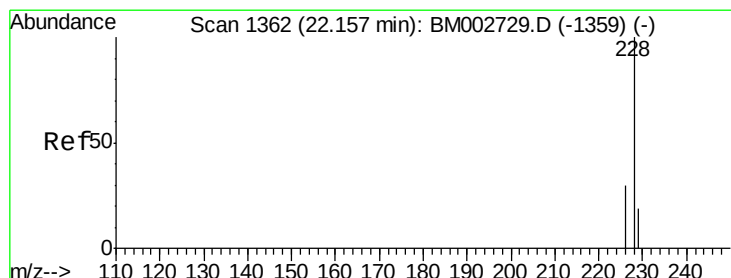
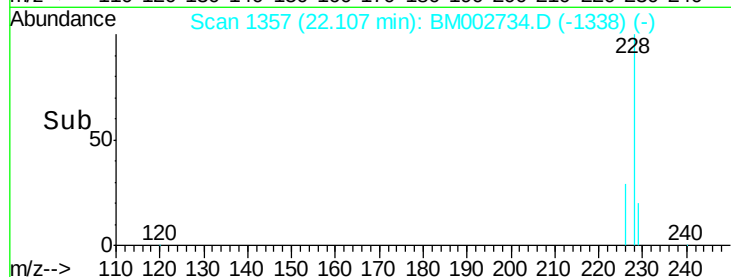
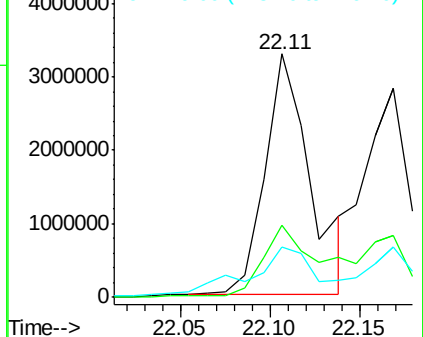
228 100

226 29.4 23.0 34.4

229 20.5 15.2 22.8



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: 281.89 ng/ul

RT: 22.11 min Scan# 1357

Delta R.T. -0.05 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

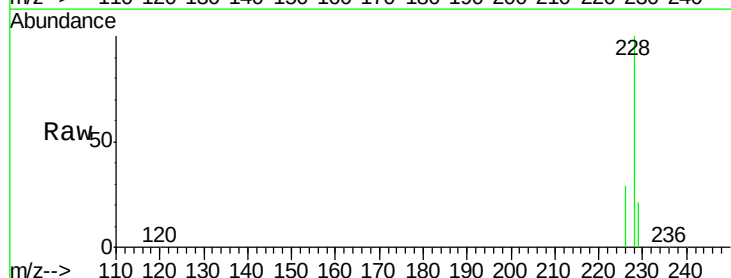
Tgt Ion:228 Resp: 1973829

Ion Ratio Lower Upper

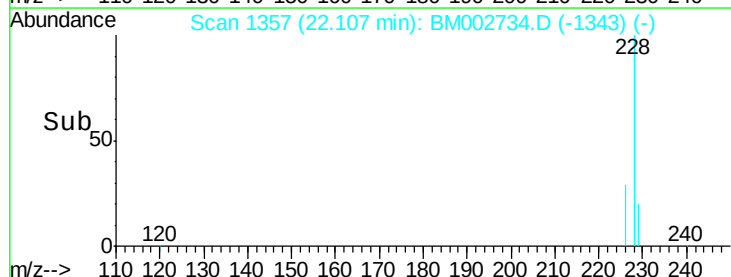
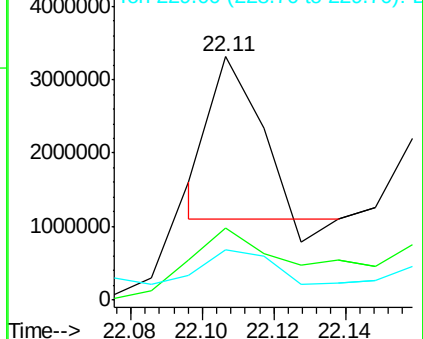
228 100

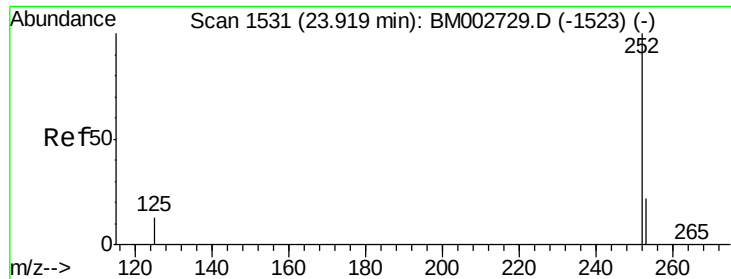
226 29.4 25.7 38.5

229 20.5 15.2 22.8



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: 13.78 ng/ul

RT: 24.14 min Scan# 1552

Delta R.T. 0.22 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

Instrument :

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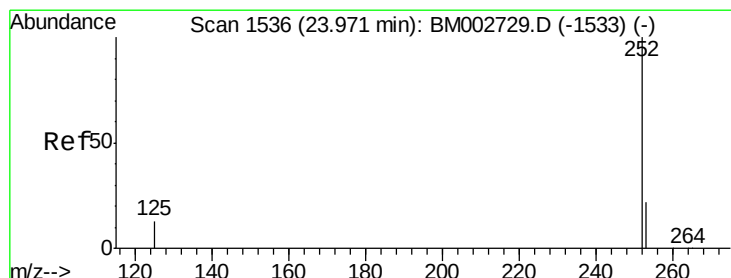
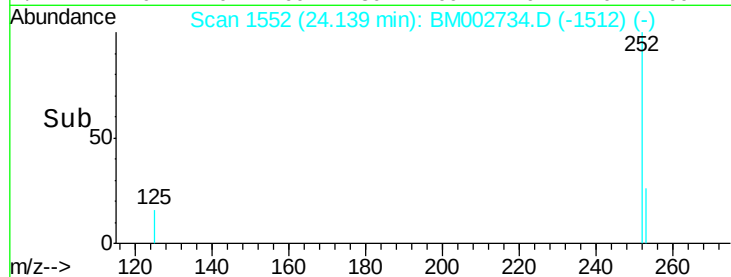
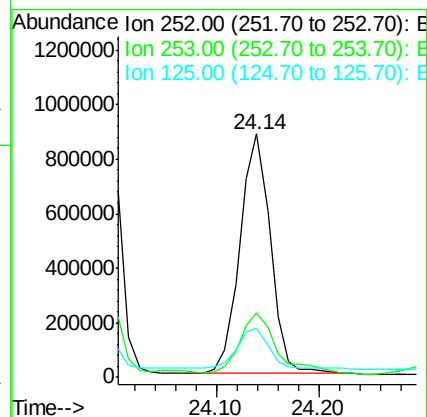
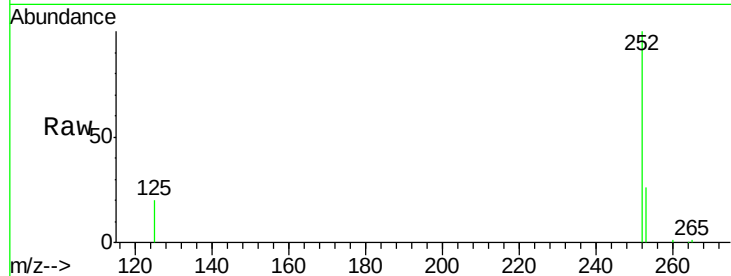
Tgt Ion:252 Resp: 1822656

Ion Ratio Lower Upper

252 100

253 26.5 0.0 48.0

125 20.1 0.0 36.6



#24

Benzo(k)fluoranthene

Concen: 74.84 ng/ul

RT: 23.94 min Scan# 1533

Delta R.T. -0.03 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

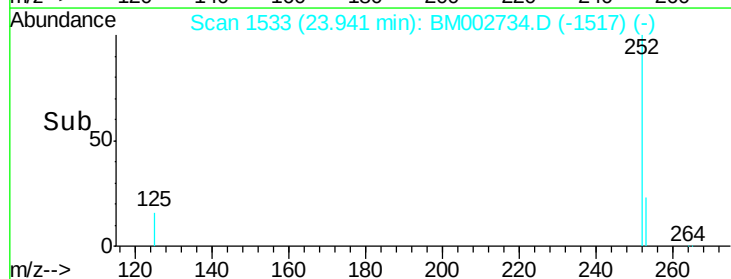
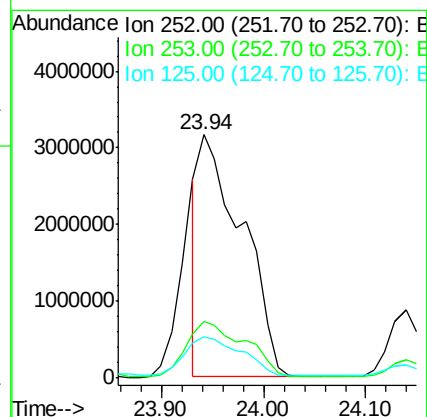
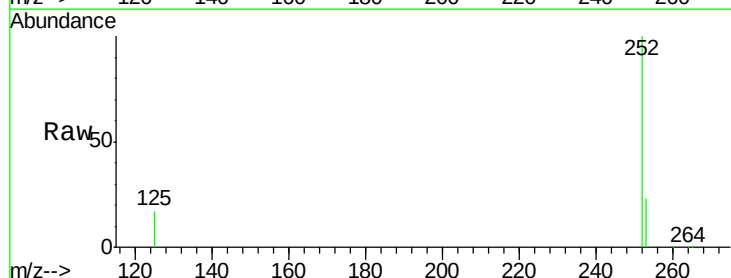
Tgt Ion:252 Resp: 9172819

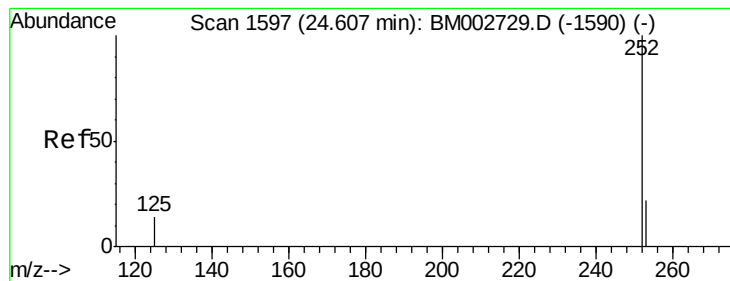
Ion Ratio Lower Upper

252 100

253 23.3 20.8 31.2

125 17.1 12.2 18.4





#25

Benzo(a)pyrene

Concen: 43.19 ng/ul

RT: 24.63 min Scan# 1599

Delta R.T. 0.02 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

Instrument :

BNA_M

ClientSampleId :

D9G67

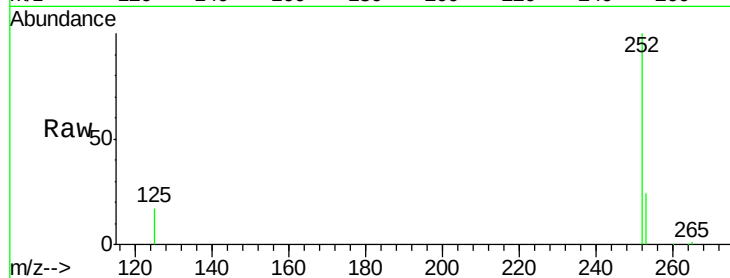
Tgt Ion:252 Resp: 5260987

Ion Ratio Lower Upper

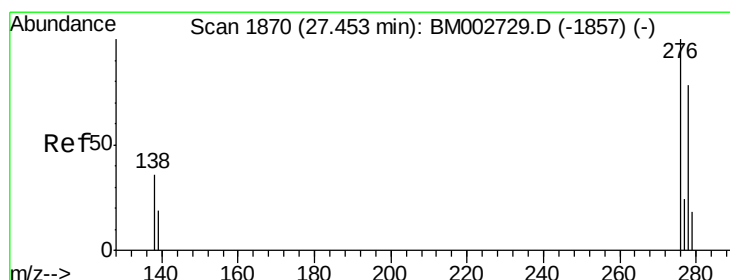
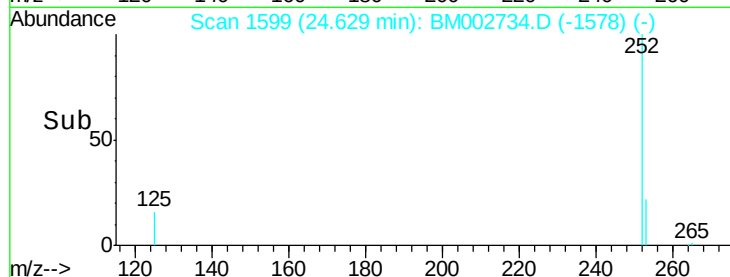
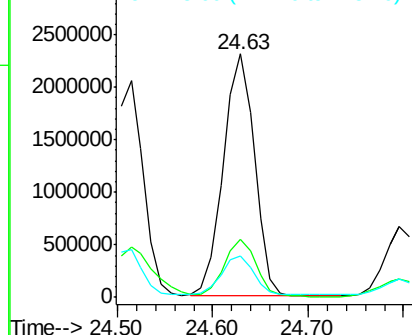
252 100

253 23.6 21.8 32.8

125 17.1 14.5 21.7



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 29.88 ng/ul

RT: 27.50 min Scan# 1874

Delta R.T. 0.04 min

Lab File: BM002734.D

Acq: 28 Sep 2015 15:26

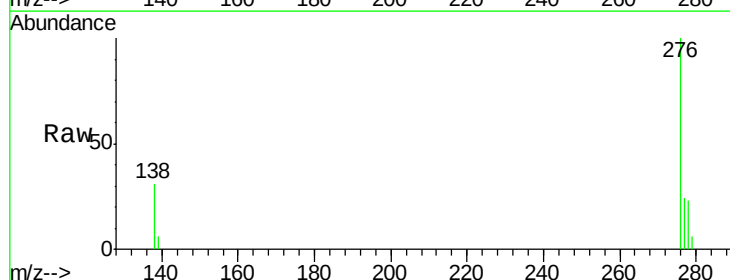
Tgt Ion:276 Resp: 4060106

Ion Ratio Lower Upper

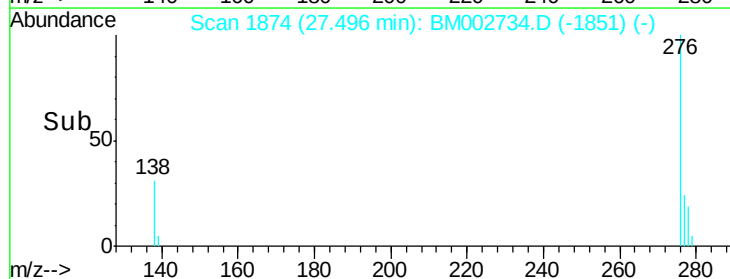
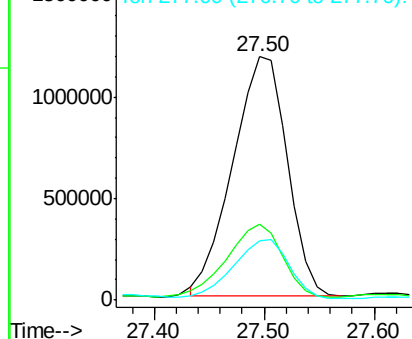
276 100

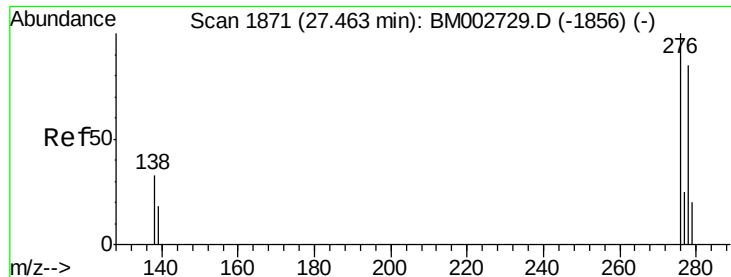
138 30.0 27.5 41.3

277 24.8 19.3 28.9



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

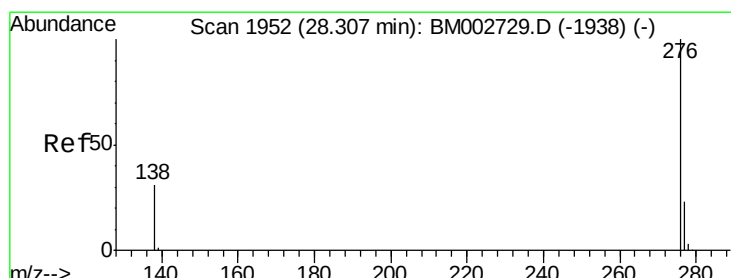
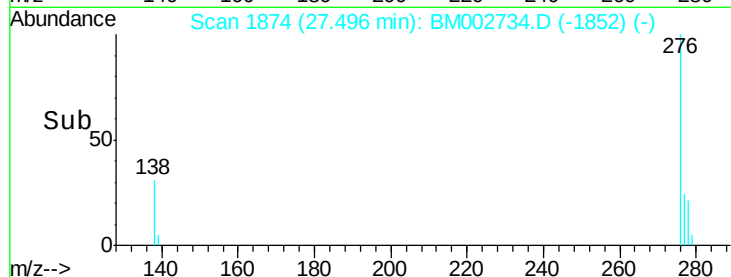
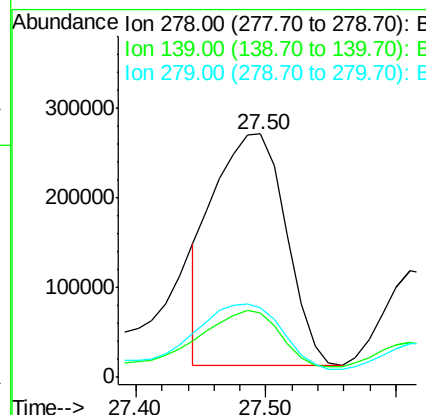
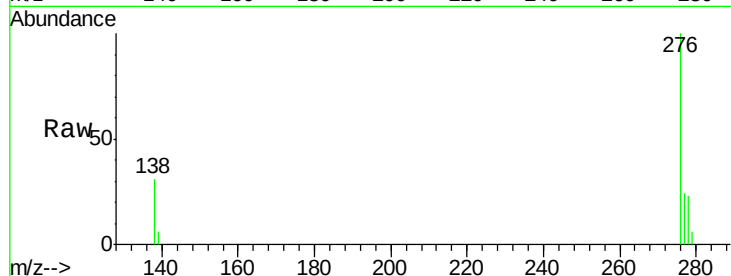




#27
Dibenzo(a,h)anthracene
Concen: 8.97 ng/ul
RT: 27.50 min Scan# 1874
Delta R.T. 0.03 min
Lab File: BM002734.D
Acq: 28 Sep 2015 15:26

Instrument :
BNA_M
ClientSampleId :
D9G67

Tgt Ion:278 Resp: 999904
Ion Ratio Lower Upper
278 100
139 26.5 21.7 32.5
279 28.5 21.9 32.9



#28
Benzo(g,h,i)perylene
Concen: 33.90 ng/ul
RT: 28.36 min Scan# 1957
Delta R.T. 0.05 min
Lab File: BM002734.D
Acq: 28 Sep 2015 15:26

Tgt Ion:276 Resp: 3905533
Ion Ratio Lower Upper
276 100
277 24.4 21.3 31.9
138 31.0 25.5 38.3

