

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM123015\  
 Data File : BM003842.D  
 Acq On : 28 Dec 2015 23:21  
 Operator : SJ/UM  
 Sample : G4848-06  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9N52

Quant Time: Dec 29 07:15:32 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-SIM-BM121515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 29 07:09:39 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.68  | 152  | 3637     | 0.40 | ng/ul | 0.00     |
| 4) Naphthalene-d8         | 10.46 | 136  | 15979    | 0.40 | ng/ul | -0.01    |
| 8) Acenaphthene-d10       | 14.33 | 164  | 9877     | 0.40 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 17.18 | 188  | 1570911  | 0.40 | ng/ul | 0.10     |
| 18) Chrysene-d12          | 21.28 | 240  | 18071    | 0.40 | ng/ul | 0.00     |
| 22) Perylene-d12          | 23.38 | 264  | 1225845  | 0.40 | ng/ul | -0.15    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 2) 1,4-Dioxane-d8           | 3.14  | 96   | 17235    | 11.09 | ng/uL | -0.02    |
| 6) 2-Methylnaphthalene-d10  | 12.07 | 152  | 7613     | 0.40  | ng/ul | 0.00     |
| 16) Fluoranthene-d10        | 19.12 | 212  | 21458    | 0.01  | ng/ul | 0.00     |

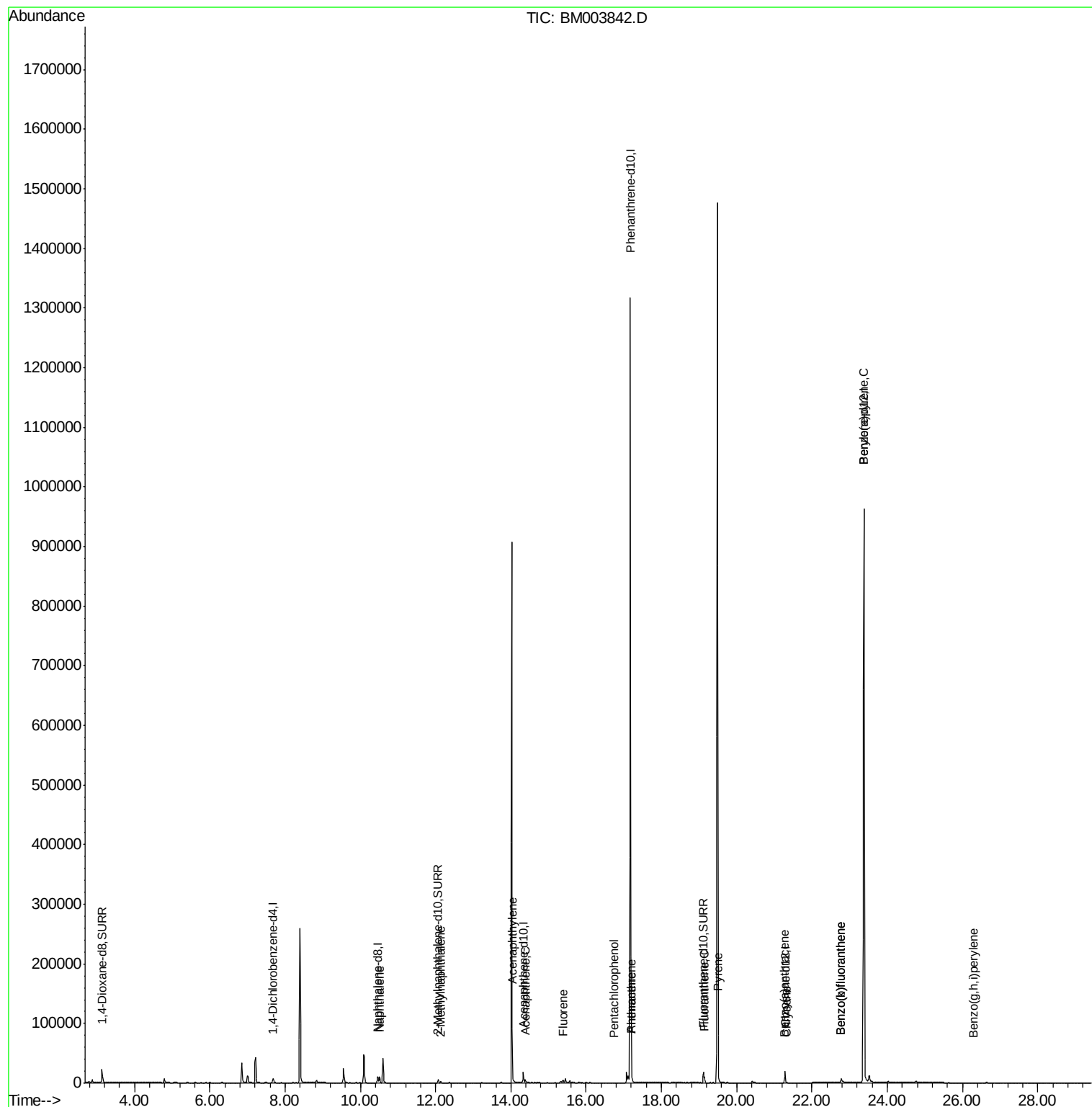
| Target Compounds         | R.T.  | QIon | Response | Conc | Units  | Qvalue |
|--------------------------|-------|------|----------|------|--------|--------|
| 5) Naphthalene           | 10.51 | 128  | 14038    | 0.39 | ng/ul  | 97     |
| 7) 2-Methylnaphthalene   | 12.14 | 142  | 2461     | 0.10 | ng/ul  | 99     |
| 9) Acenaphthylene        | 14.04 | 152  | 501      | 0.01 | ng/ul# | 59     |
| 10) Acenaphthene         | 14.38 | 153  | 3320     | 0.11 | ng/ul# | 80     |
| 11) Fluorene             | 15.39 | 166  | 3453     | 0.10 | ng/ul# | 97     |
| 13) Pentachlorophenol    | 16.75 | 266  | 19       | 0.00 | ng/ul  | 95     |
| 14) Phenanthrene         | 17.21 | 178  | 1992     | 0.00 | ng/ul# | 82     |
| 15) Anthracene           | 17.21 | 178  | 1966     | 0.00 | ng/ul# | 82     |
| 17) Fluoranthene         | 19.14 | 202  | 9608     | 0.00 | ng/ul  | 97     |
| 19) Pyrene               | 19.51 | 202  | 9331     | 0.19 | ng/ul# | 91     |
| 20) Benzo(a)anthracene   | 21.26 | 228  | 1339     | 0.03 | ng/ul# | 84     |
| 21) Chrysene             | 21.31 | 228  | 1203     | 0.02 | ng/ul# | 80     |
| 23) Benzo(b)fluoranthene | 22.77 | 252  | 34       | 0.00 | ng/ul# | 1      |
| 24) Benzo(k)fluoranthene | 22.77 | 252  | 34       | 0.00 | ng/ul# | 1      |
| 25) Benzo(a)pyrene       | 23.38 | 252  | 5191     | 0.00 | ng/ul# | 48     |
| 28) Benzo(g,h,i)perylene | 26.29 | 276  | 6        | 0.00 | ng/ul# | 1      |

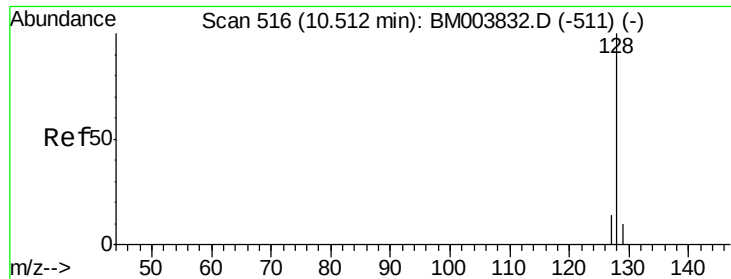
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration





#5

Naphthalene

Concen: 0.39 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.00 min

Lab File: BM003842.D

Acq: 28 Dec 2015 23:21

Instrument :

BNA\_G

ClientSampleId :

D9N52

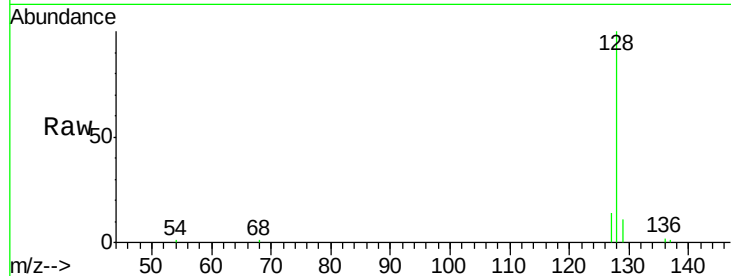
Tgt Ion:128 Resp: 14038

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

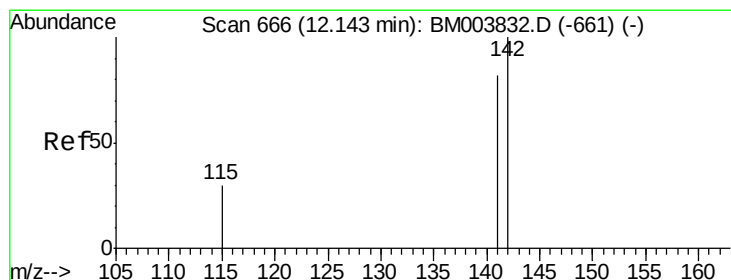
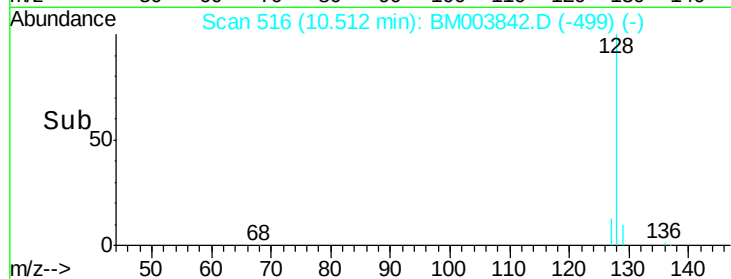
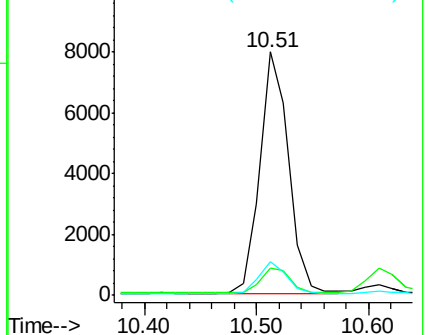
127 14.0 9.6 14.4



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: 0.10 ng/ul

RT: 12.14 min Scan# 666

Delta R.T. -0.00 min

Lab File: BM003842.D

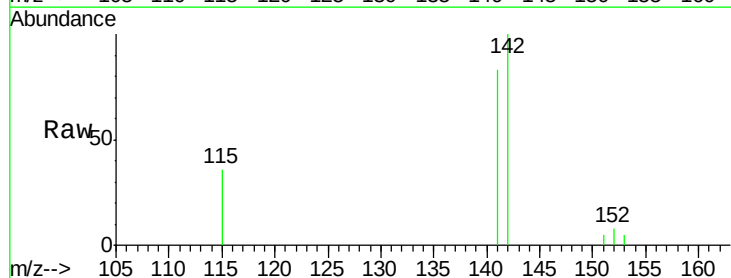
Acq: 28 Dec 2015 23:21

Tgt Ion:142 Resp: 2461

Ion Ratio Lower Upper

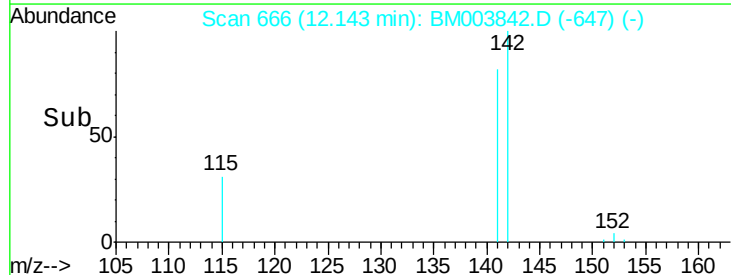
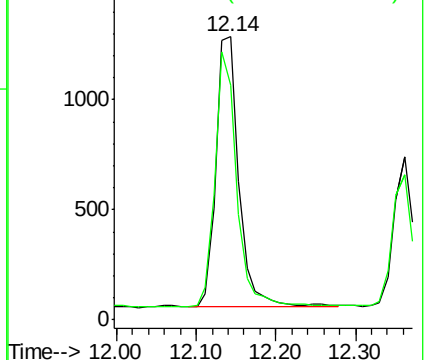
142 100

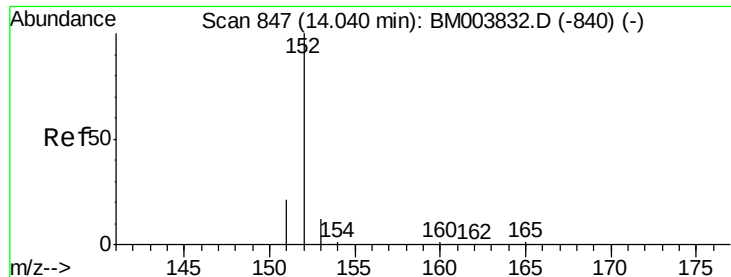
141 89.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM003842.D

Acq: 28 Dec 2015 23:21

Instrument :

BNA\_G

ClientSampleId :

D9N52

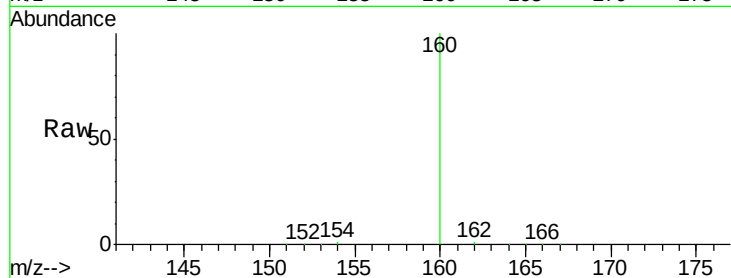
Tgt Ion:152 Resp: 501

Ion Ratio Lower Upper

152 100

151 36.8 17.6 26.4#

153 34.7 9.7 14.5#



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

14.04

300

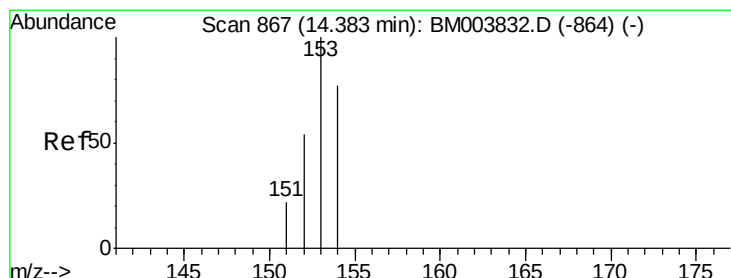
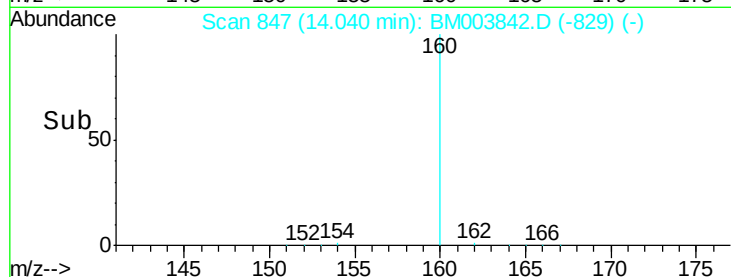
200

100

0

Time-->

13.90 14.00 14.10 14.20



#10

Acenaphthene

Concen: 0.11 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM003842.D

Acq: 28 Dec 2015 23:21

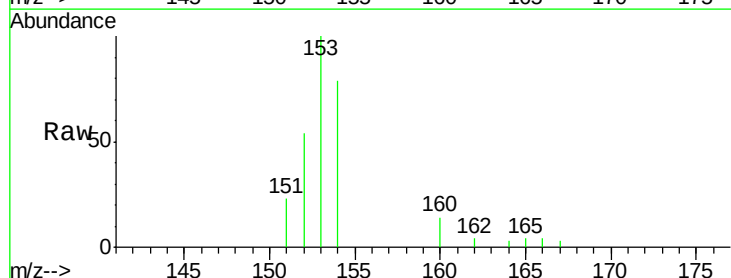
Tgt Ion:153 Resp: 3320

Ion Ratio Lower Upper

153 100

152 54.0 33.9 50.9#

154 79.5 80.6 121.0#



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

14.38

2500

2000

1500

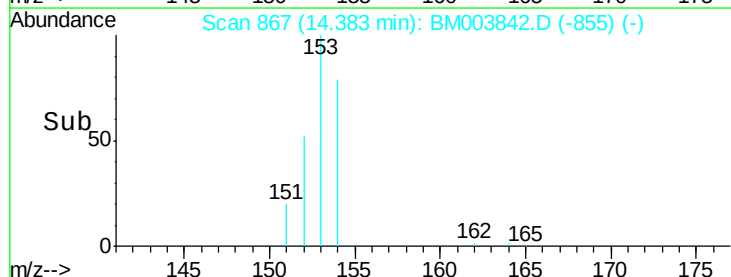
1000

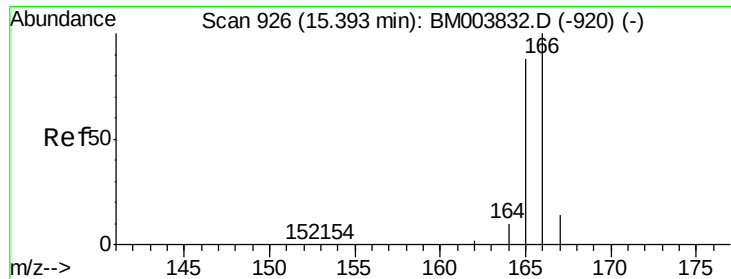
500

0

Time-->

14.30 14.35 14.40 14.45

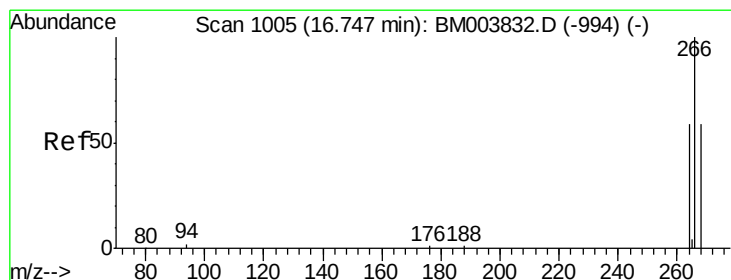
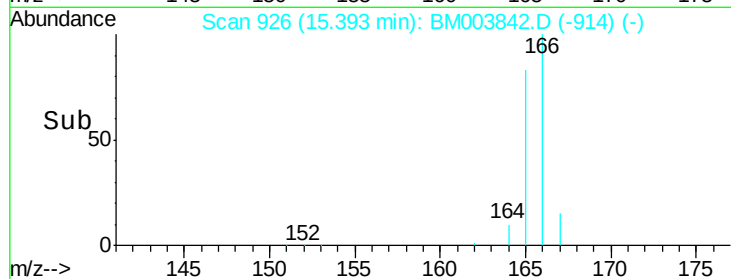
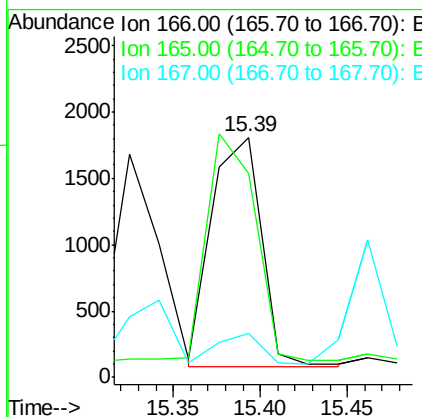
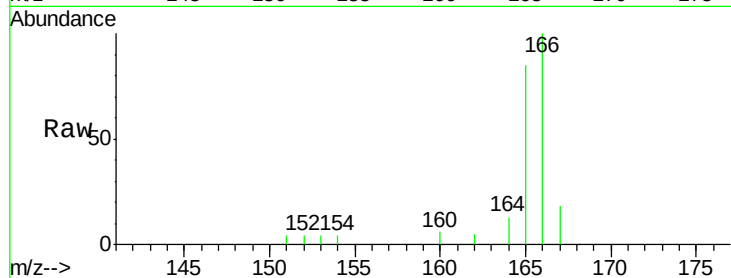




#11  
 Fluorene  
 Concen: 0.10 ng/ul  
 RT: 15.39 min Scan# 926  
 Delta R.T. -0.00 min  
 Lab File: BM003842.D  
 Acq: 28 Dec 2015 23:21

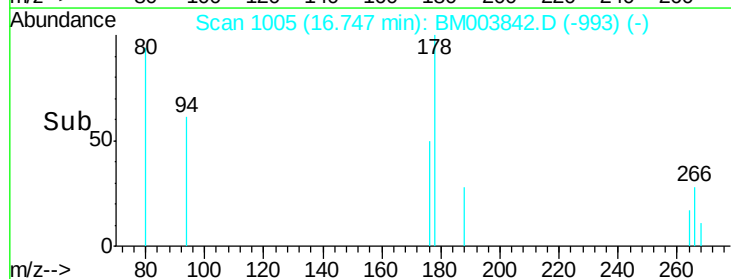
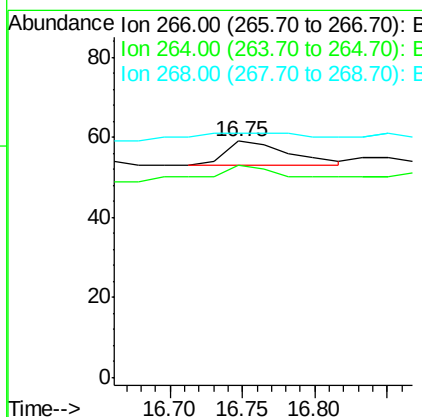
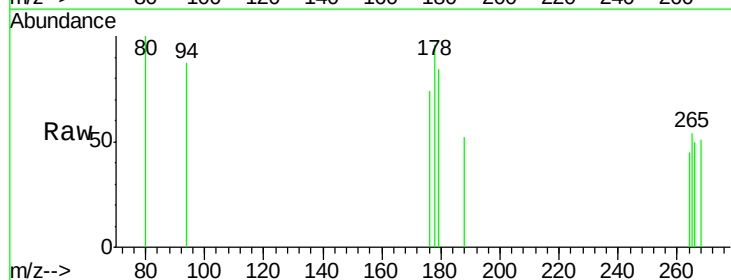
Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9N52

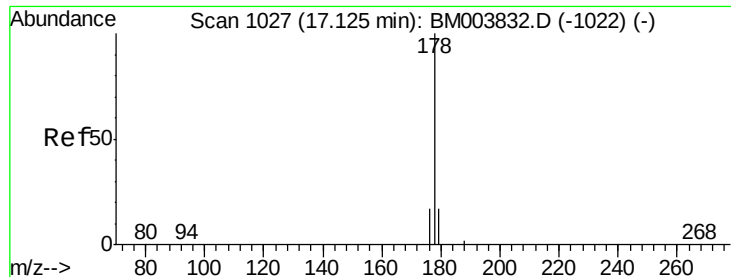
Tgt Ion:166 Resp: 3453  
 Ion Ratio Lower Upper  
 166 100  
 165 84.8 69.6 104.4  
 167 18.4 11.9 17.9#



#13  
 Pentachlorophenol  
 Concen: 0.00 ng/ul  
 RT: 16.75 min Scan# 1005  
 Delta R.T. -0.00 min  
 Lab File: BM003842.D  
 Acq: 28 Dec 2015 23:21

Tgt Ion:266 Resp: 19  
 Ion Ratio Lower Upper  
 266 100  
 264 68.4 51.8 77.8  
 268 63.2 46.8 70.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. 0.09 min

Lab File: BM003842.D

Acq: 28 Dec 2015 23:21

Instrument :

BNA\_G

ClientSampleId :

D9N52

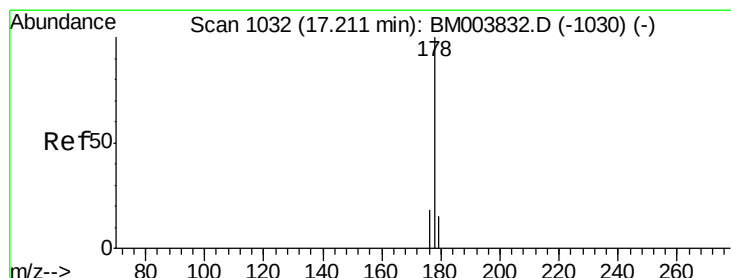
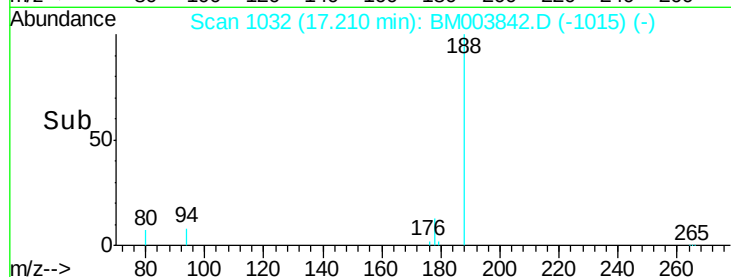
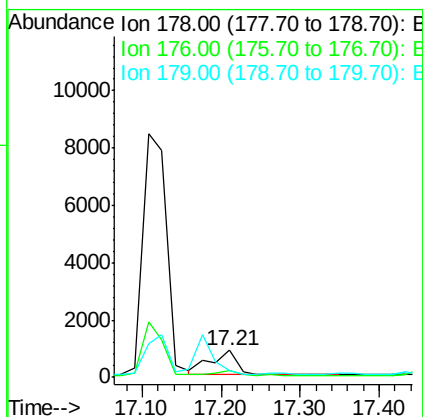
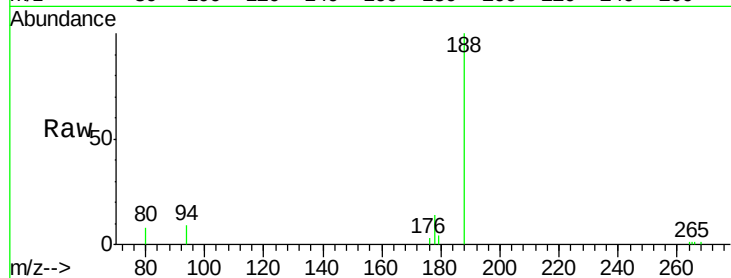
Tgt Ion:178 Resp: 1992

Ion Ratio Lower Upper

178 100

176 23.2 13.0 19.4#

179 26.3 14.2 21.2#



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM003842.D

Acq: 28 Dec 2015 23:21

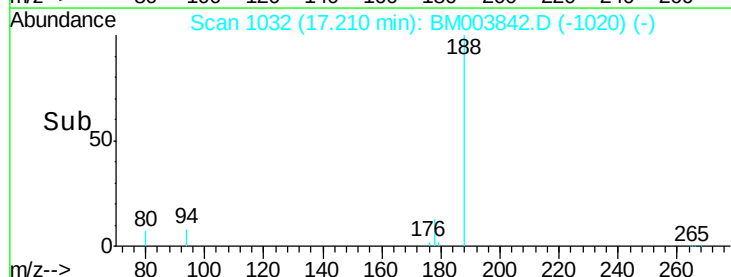
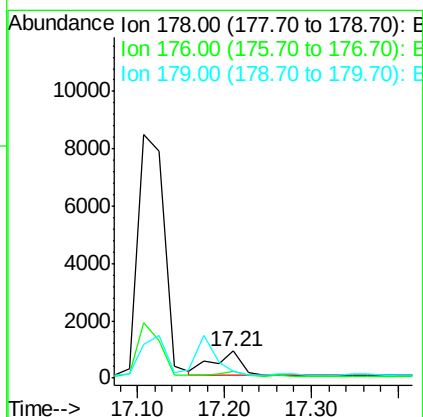
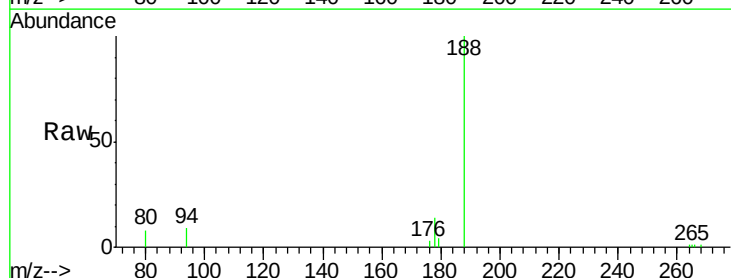
Tgt Ion:178 Resp: 1966

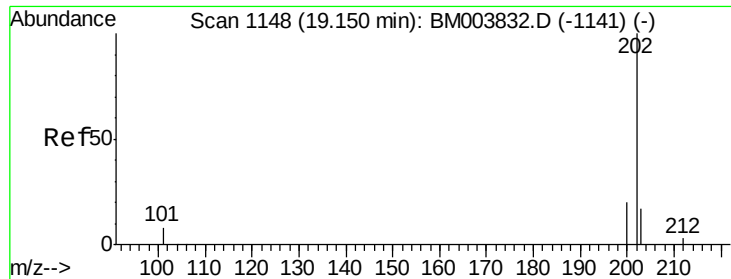
Ion Ratio Lower Upper

178 100

176 23.2 14.0 21.0#

179 26.3 12.9 19.3#

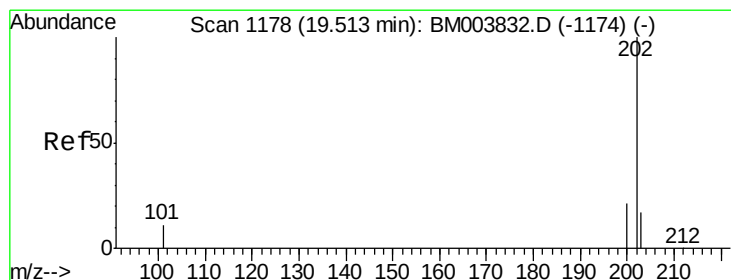
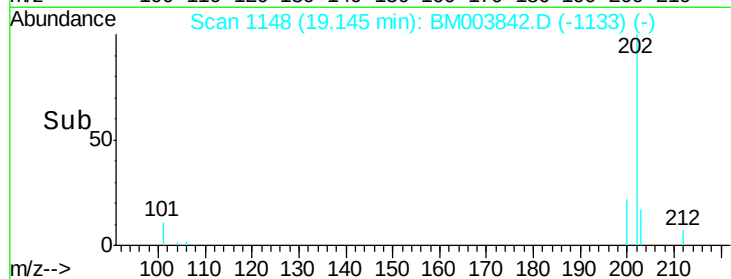
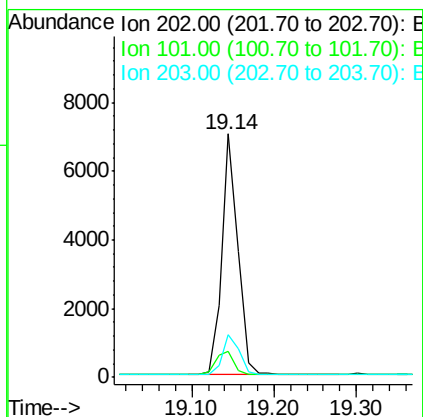
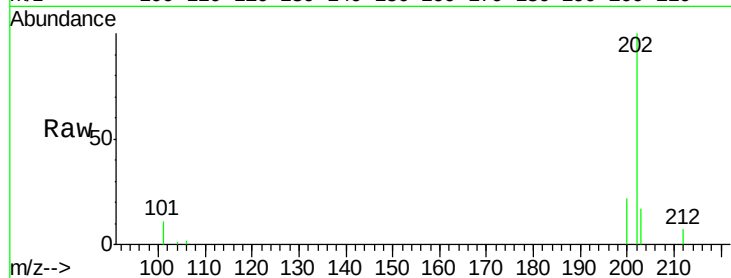




#17  
Fluoranthene  
Concen: 0.00 ng/ul  
RT: 19.14 min Scan# 1148  
Delta R.T. -0.01 min  
Lab File: BM003842.D  
Acq: 28 Dec 2015 23:21

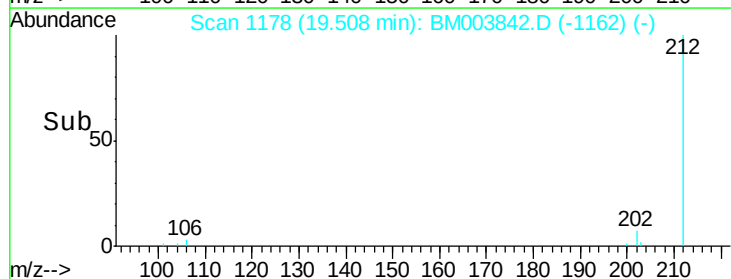
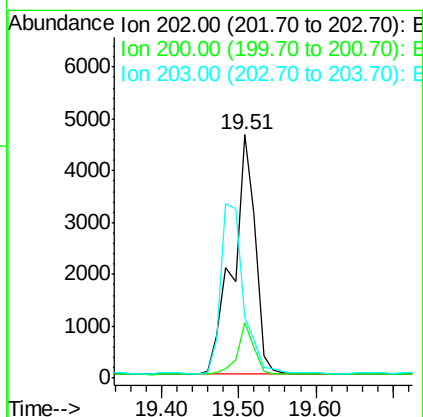
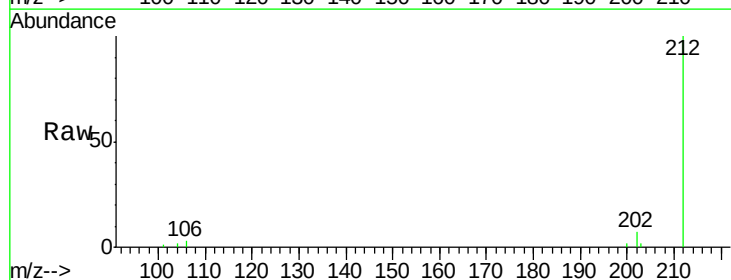
Instrument :  
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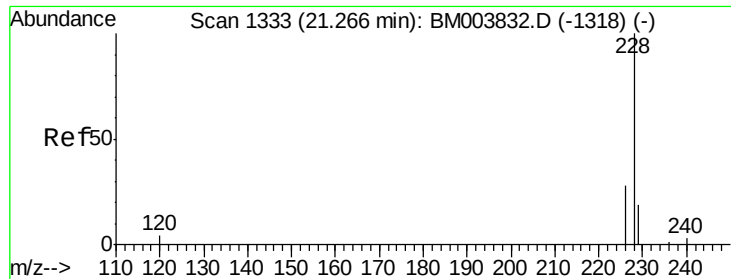
Tgt Ion:202 Resp: 9608  
Ion Ratio Lower Upper  
202 100  
101 10.9 0.0 29.6  
203 17.5 0.0 36.3



#19  
Pyrene  
Concen: 0.19 ng/ul  
RT: 19.51 min Scan# 1178  
Delta R.T. -0.01 min  
Lab File: BM003842.D  
Acq: 28 Dec 2015 23:21

Tgt Ion:202 Resp: 9331  
Ion Ratio Lower Upper  
202 100  
200 23.0 17.8 26.8  
203 24.7 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.03 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BM003842.D

Acq: 28 Dec 2015 23:21

Instrument :

BNA\_G

ClientSampleId :

D9N52

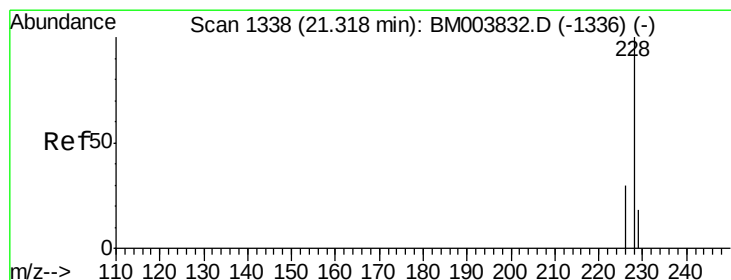
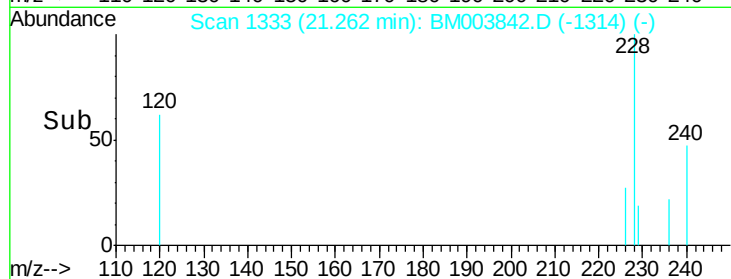
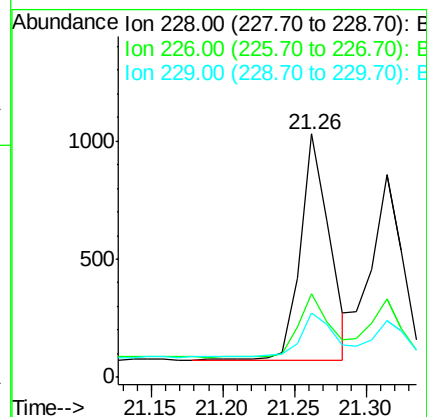
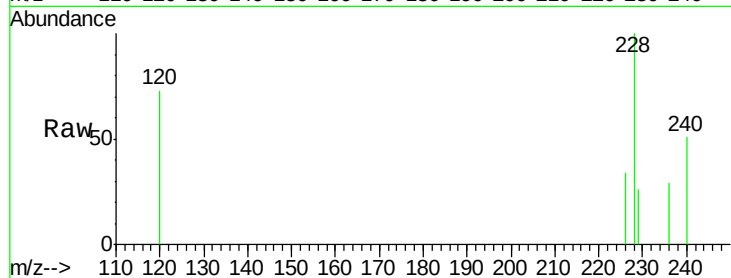
Tgt Ion:228 Resp: 1339

Ion Ratio Lower Upper

228 100

226 34.2 18.8 28.2#

229 26.2 17.1 25.7#



#21

Chrysene

Concen: 0.02 ng/ul

RT: 21.31 min Scan# 1338

Delta R.T. -0.00 min

Lab File: BM003842.D

Acq: 28 Dec 2015 23:21

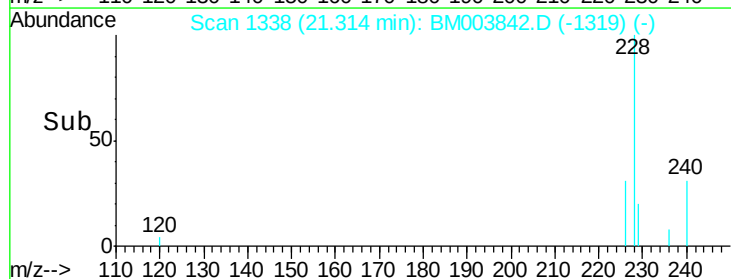
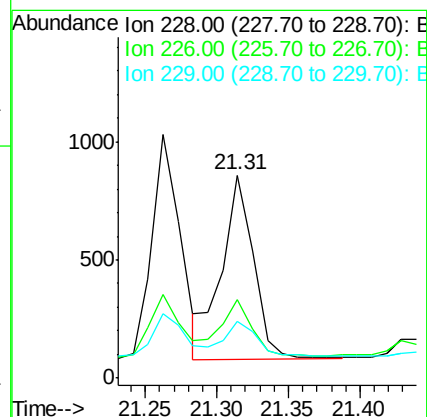
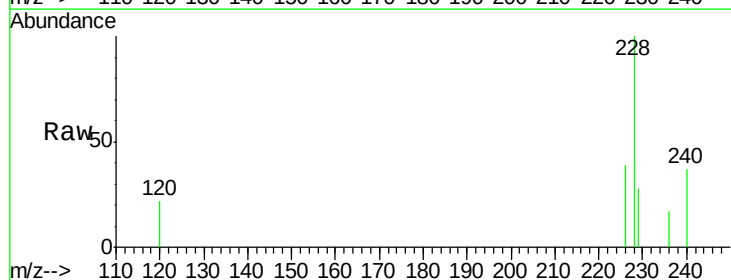
Tgt Ion:228 Resp: 1203

Ion Ratio Lower Upper

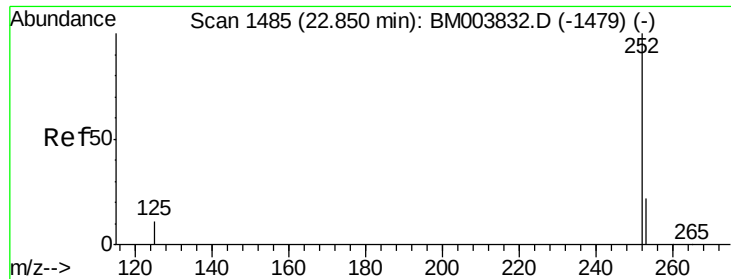
228 100

226 38.6 21.2 31.8#

229 28.2 17.0 25.6#







#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.77 min Scan# 1478

Delta R.T. -0.08 min

Lab File: BM003842.D

Acq: 28 Dec 2015 23:21

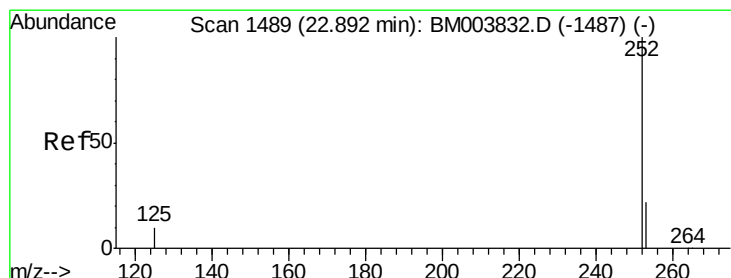
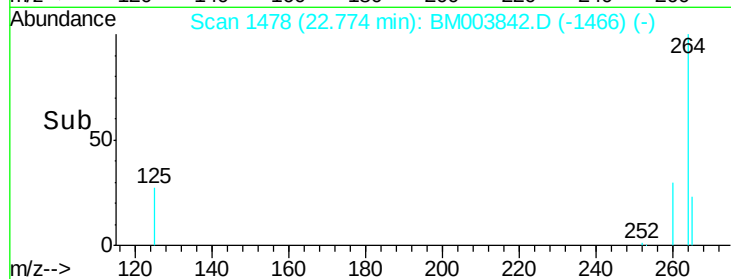
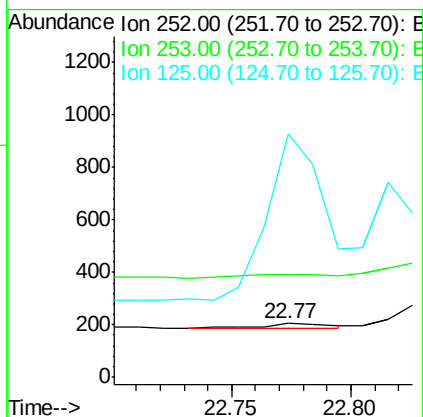
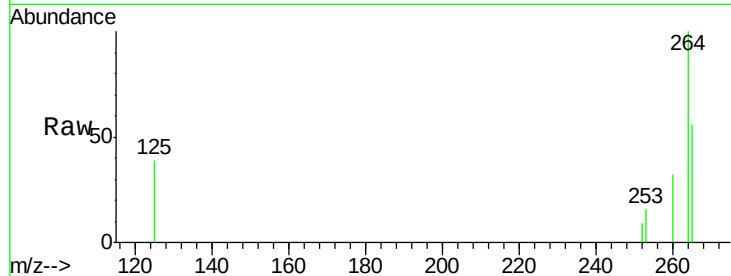
Instrument :

BNA\_G

ClientSampleId :

D9N52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 34    |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 190.3 | 0.0   | 45.4# |
| 125       | 450.5 | 0.0   | 28.8# |



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

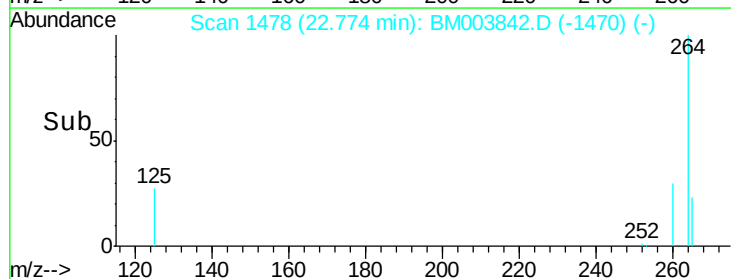
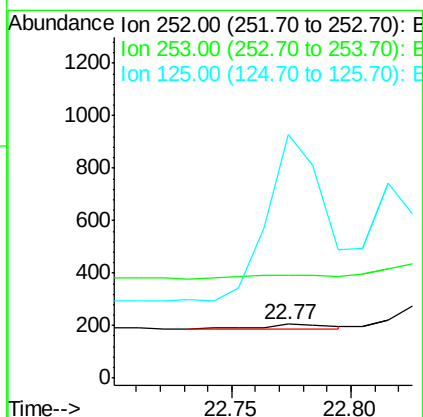
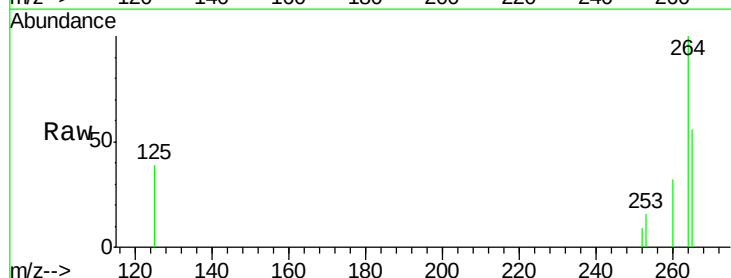
RT: 22.77 min Scan# 1478

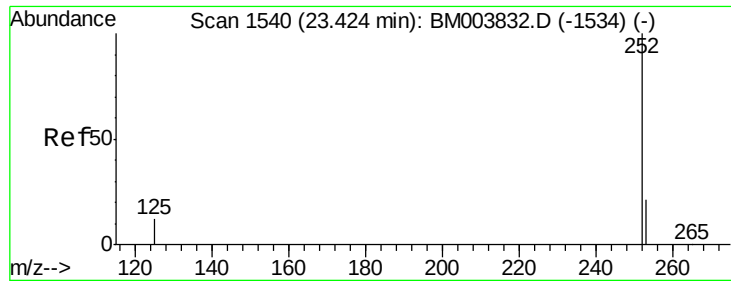
Delta R.T. -0.12 min

Lab File: BM003842.D

Acq: 28 Dec 2015 23:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 34    |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 190.3 | 19.8  | 29.8# |
| 125       | 450.5 | 10.4  | 15.6# |





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.38 min Scan# 1536

Delta R.T. -0.05 min

Lab File: BM003842.D

Acq: 28 Dec 2015 23:21

Instrument :

BNA\_G

ClientSampleId :

D9N52

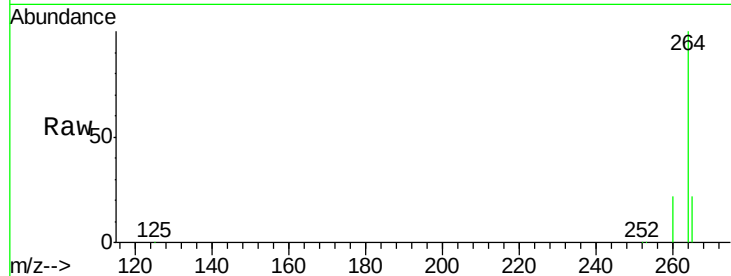
Tgt Ion: 252 Resp: 5191

Ion Ratio Lower Upper

252 100

253 40.7 19.4 29.2#

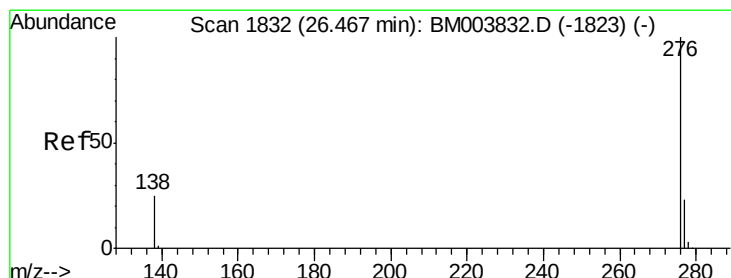
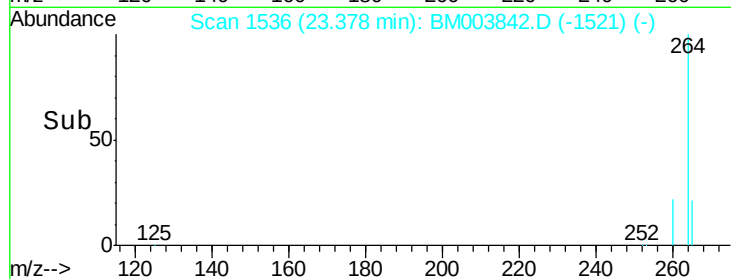
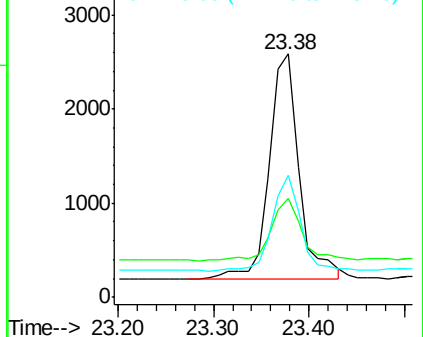
125 49.9 12.7 19.1#



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



#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.29 min Scan# 1815

Delta R.T. -0.18 min

Lab File: BM003842.D

Acq: 28 Dec 2015 23:21

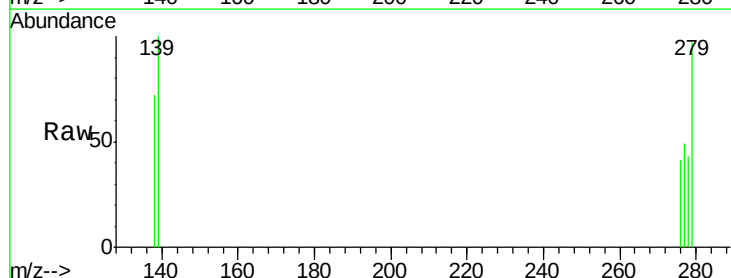
Tgt Ion: 276 Resp: 6

Ion Ratio Lower Upper

276 100

277 118.8 18.9 28.3#

138 173.9 22.5 33.7#



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

