

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091217\  
 Data File : BG028677.D  
 Acq On : 12 Sep 2017 19:51  
 Operator : SJ/JU  
 Sample : I5172-02  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S32-9020

Quant Time: Sep 13 04:03:23 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 Response via : Initial Calibration

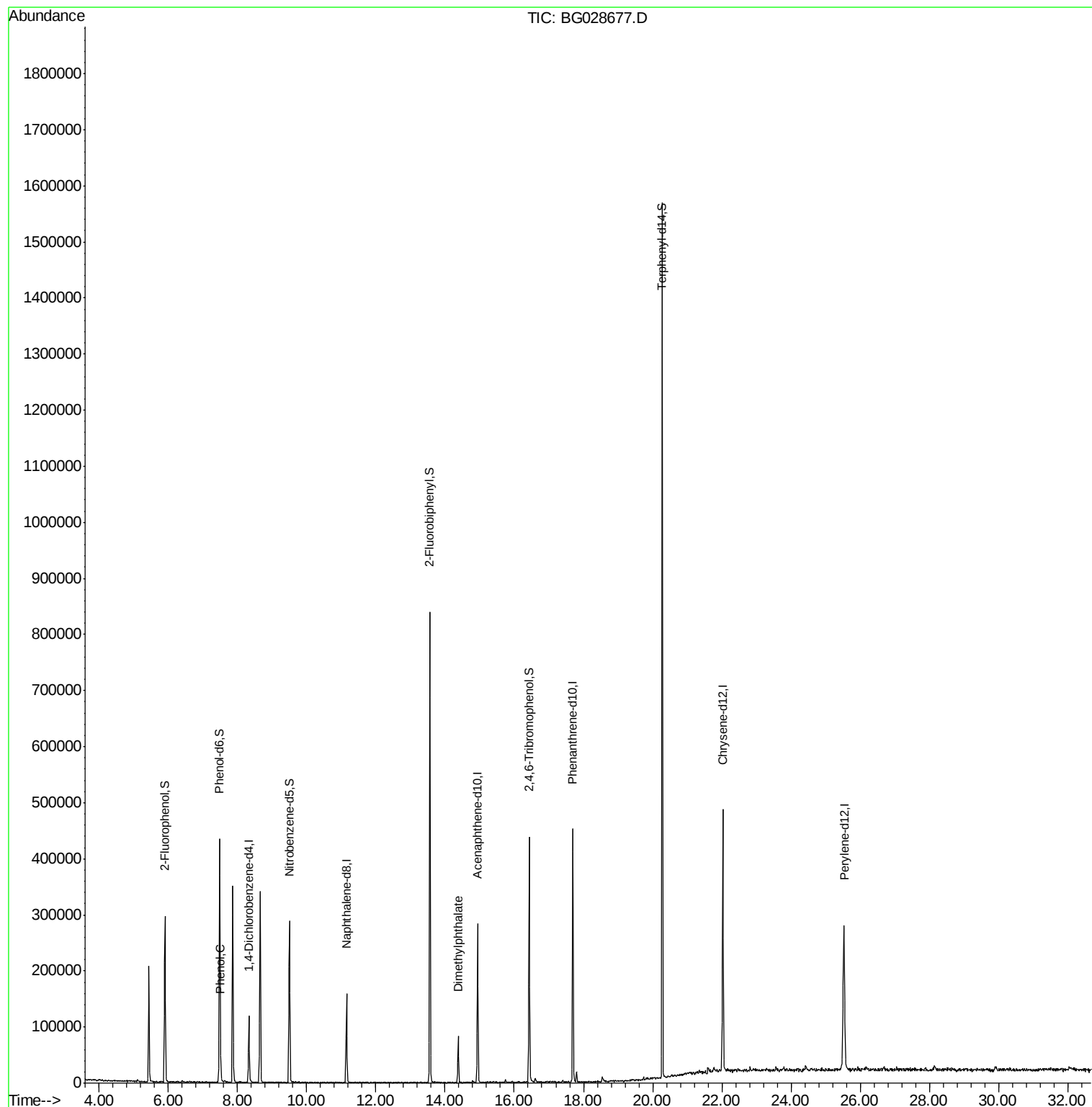
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.33  | 152  | 34615    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.15 | 136  | 139975   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.94 | 164  | 105315   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.69 | 188  | 280083   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 22.03 | 240  | 316185   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 25.53 | 264  | 319909   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.91  | 112  | 132718   | 63.26 | ng    | 0.00     |
| 7) Phenol-d6                | 7.49  | 99   | 260068   | 82.34 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.50  | 82   | 185524   | 63.40 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.44 | 330  | 97099    | 55.74 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.56 | 172  | 448984   | 56.85 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.28 | 244  | 708590   | 47.79 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 7.52  | 94   | 12830    | 3.849 | ng    | 92       |
| 49) Dimethylphthalate       | 14.38 | 163  | 53916    | 6.105 | ng    | 99       |

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

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BNA\_G  
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Quant Time: Sep 13 04:03:23 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 12 16:57:11 2017  
Response via : Initial Calibration



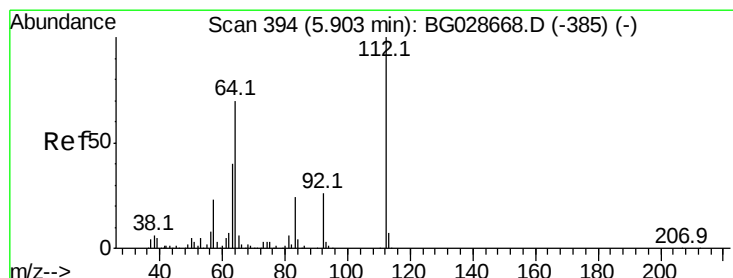
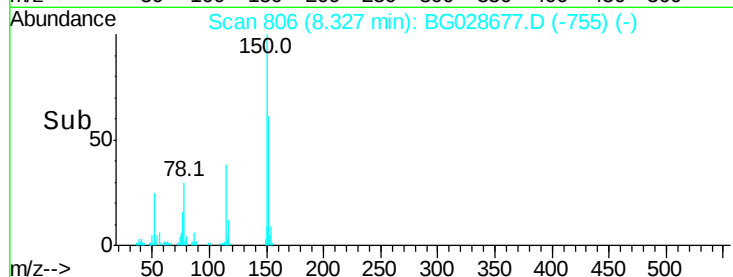
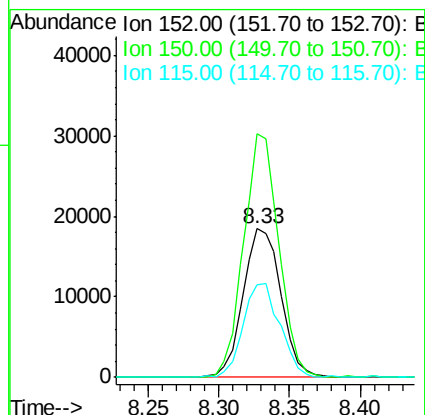
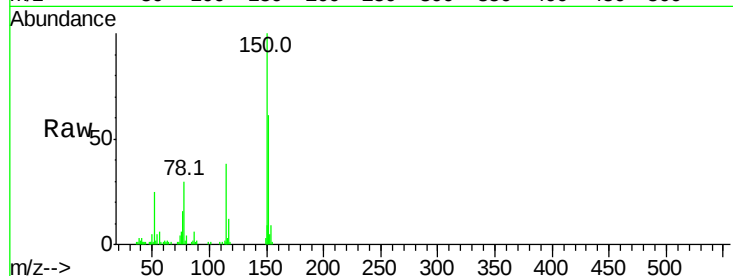


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.33 min Scan# 806  
Delta R.T. -0.00 min  
Lab File: BG028677.D  
Acq: 12 Sep 2017 19:51

Instrument :  
BNA\_G  
ClientSampleId :  
S32-9020

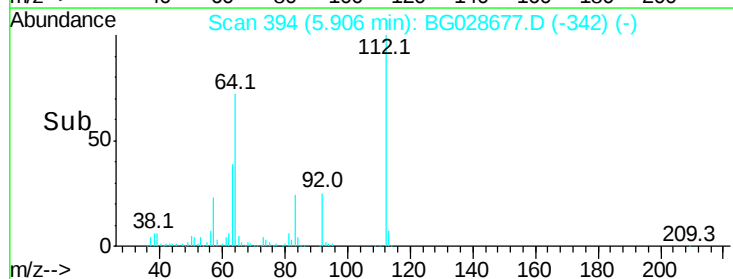
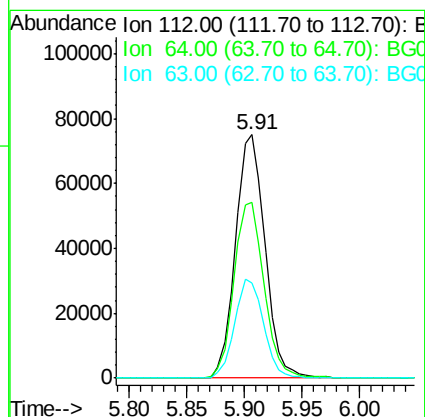
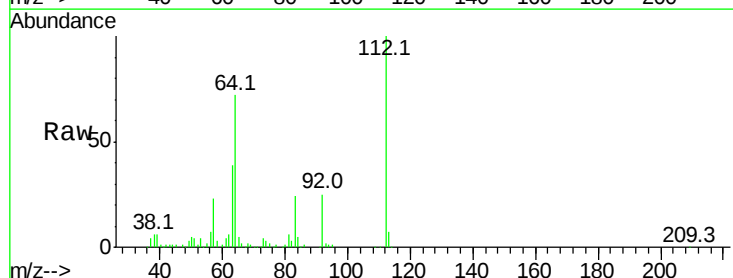
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 163.8 | 114.0 | 171.0 |
| 115     | 62.0  | 48.1  | 72.1  |

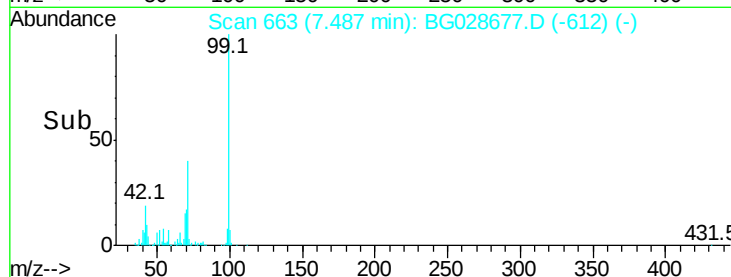
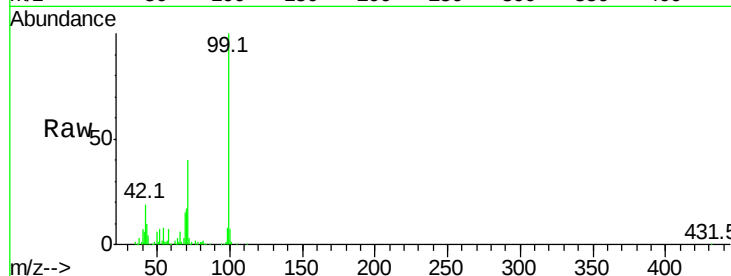
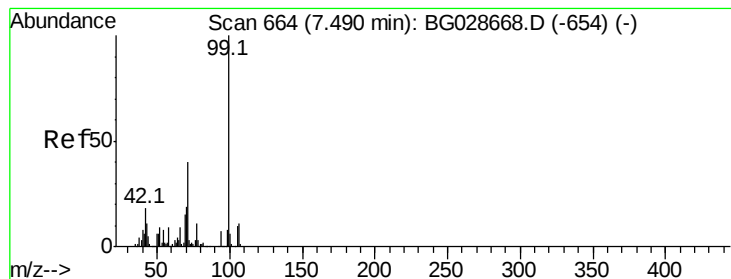


#5

2-Fluorophenol  
Concen: 63.265 ng  
RT: 5.91 min Scan# 394  
Delta R.T. 0.00 min  
Lab File: BG028677.D  
Acq: 12 Sep 2017 19:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 72.2  | 61.8  | 92.6  |
| 63      | 39.1  | 37.2  | 55.8  |





#7

Phenol-d6

Concen: 82.339 ng

RT: 7.49 min Scan# 663

Delta R.T. -0.00 min

Lab File: BG028677.D

Acq: 12 Sep 2017 19:51

Instrument :

BNA\_G

ClientSampleId :

S32-9020

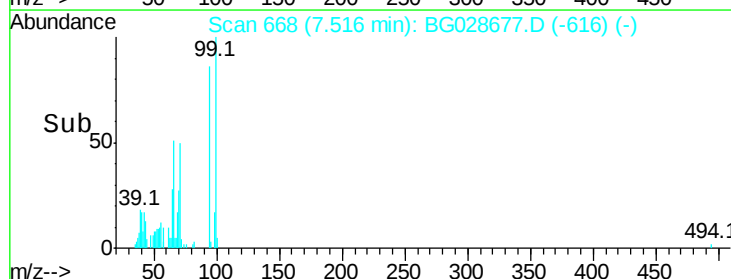
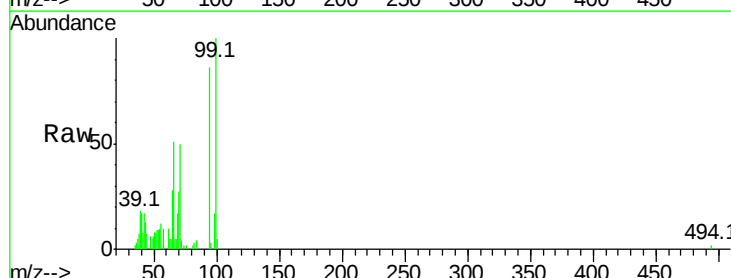
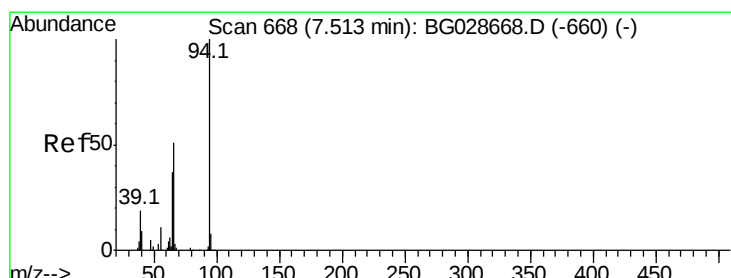
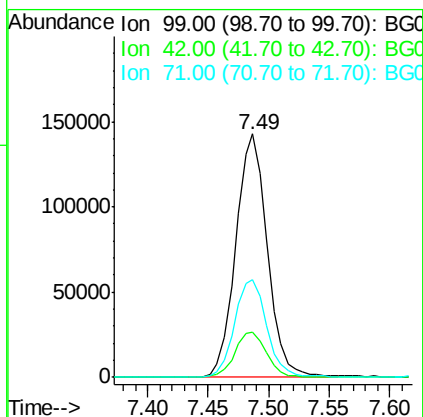
Tot Ion: 99 Resp: 260068

Ion Ratio Lower Upper

99 100

42 18.8 20.5 30.7#

71 40.0 37.6 56.4



#10

Phenol

Concen: 3.849 ng

RT: 7.52 min Scan# 668

Delta R.T. 0.00 min

Lab File: BG028677.D

Acq: 12 Sep 2017 19:51

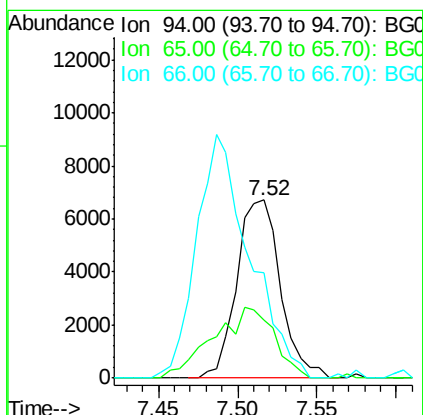
Tgt Ion: 94 Resp: 12830

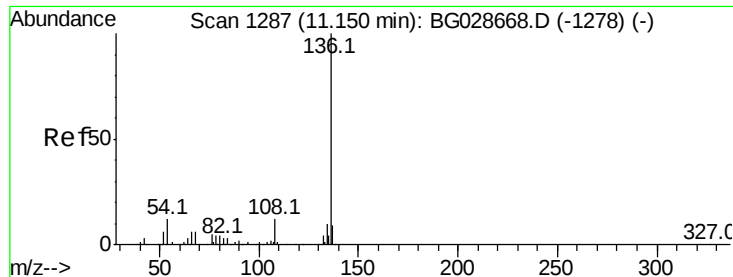
Ion Ratio Lower Upper

94 100

65 32.3 20.6 60.6

66 59.0 35.5 75.5

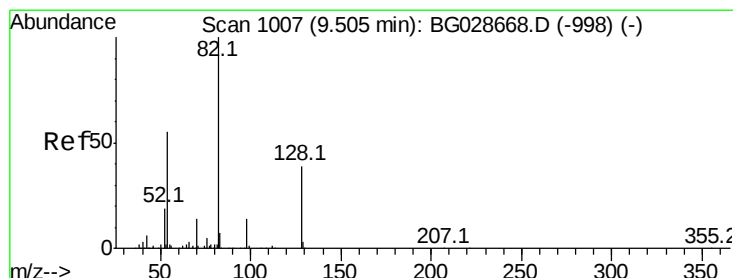
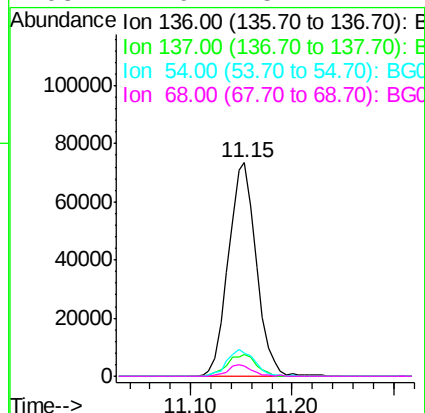
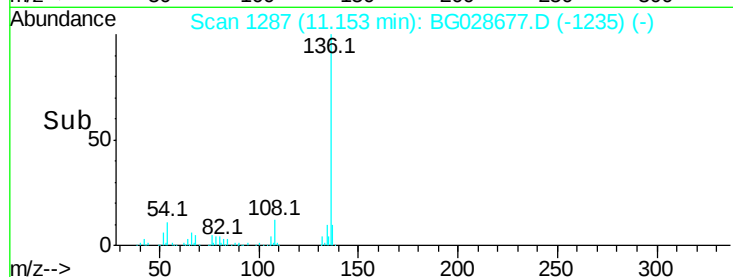
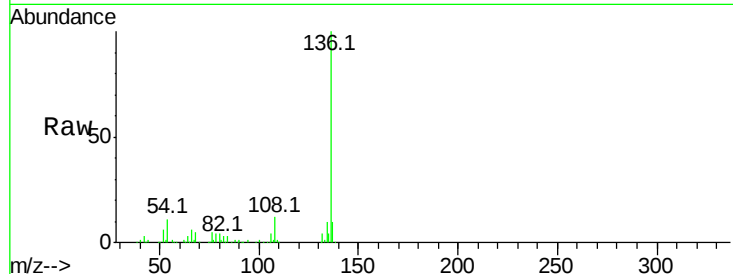




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.15 min Scan# 1287  
Delta R.T. 0.00 min  
Lab File: BG028677.D  
Acq: 12 Sep 2017 19:51

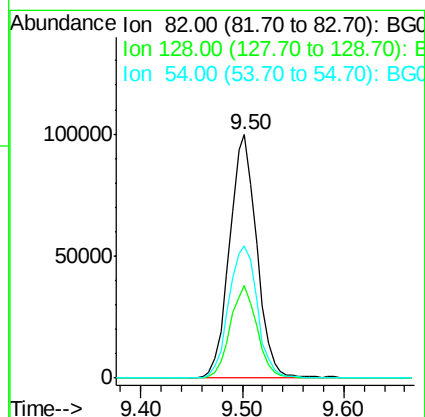
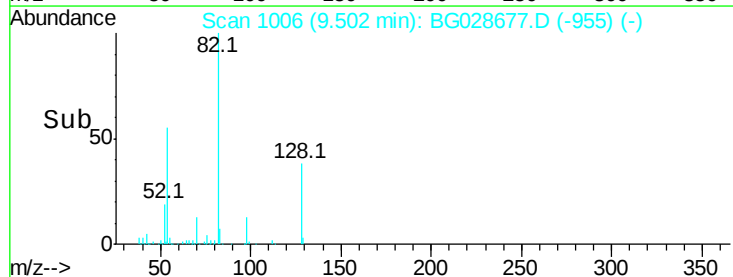
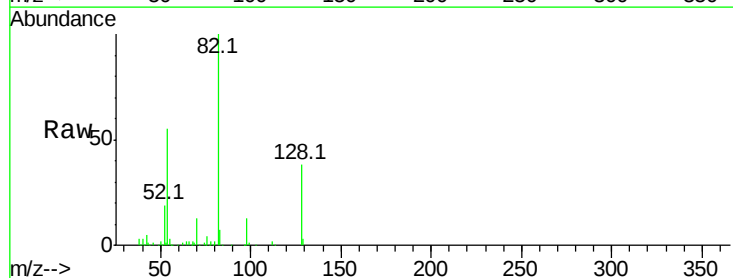
Instrument :  
BNA\_G  
ClientSampleId :  
S32-9020

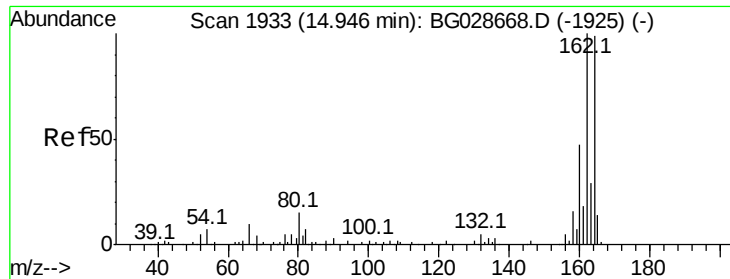
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 139975 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.0  | 8.9   | 13.3   |
| 54       | 10.5  | 9.3   | 13.9   |
| 68       | 4.9   | 5.1   | 7.7#   |



#23  
Nitrobenzene-d5  
Concen: 63.404 ng  
RT: 9.50 min Scan# 1006  
Delta R.T. -0.00 min  
Lab File: BG028677.D  
Acq: 12 Sep 2017 19:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 185524 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 38.0  | 26.4  | 39.6   |
| 54       | 54.5  | 49.4  | 74.2   |

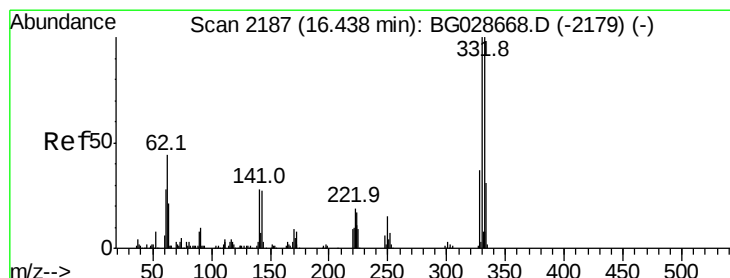
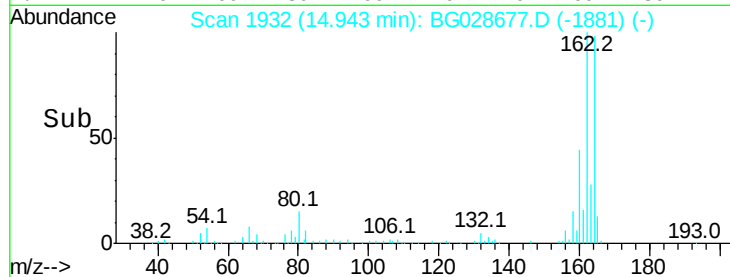
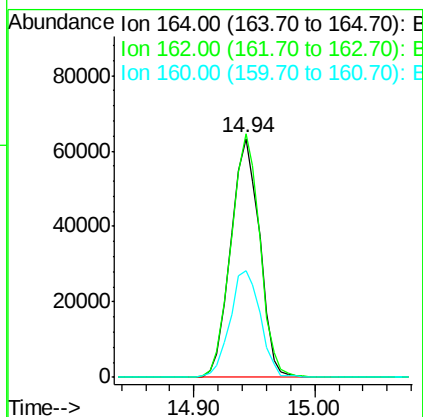
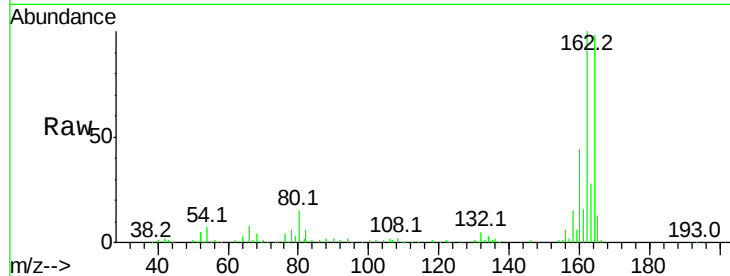




#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.94 min Scan# 1932  
Delta R.T. -0.00 min  
Lab File: BG028677.D  
Acq: 12 Sep 2017 19:51

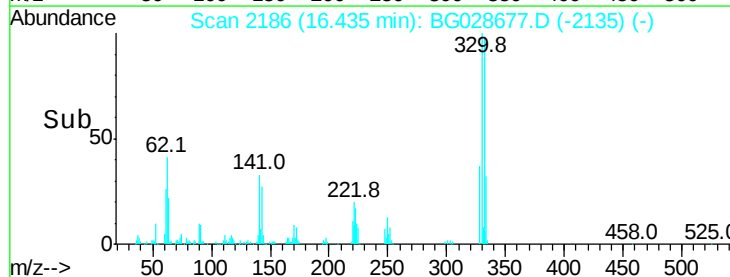
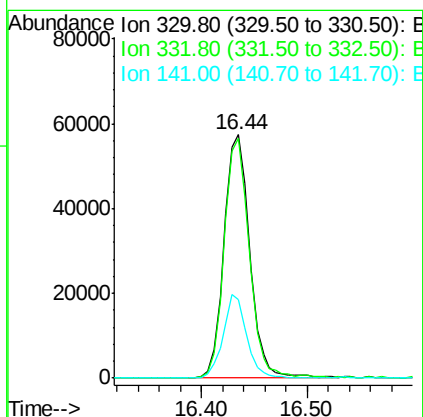
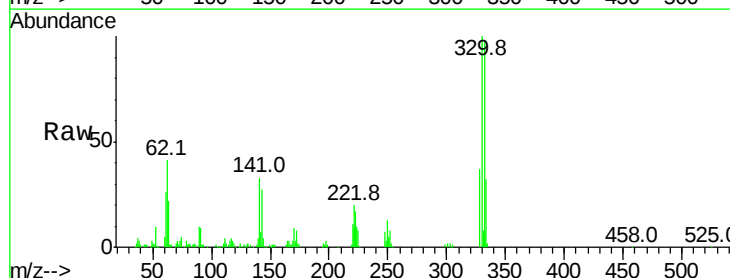
Instrument :  
BNA\_G  
ClientSampleId :  
S32-9020

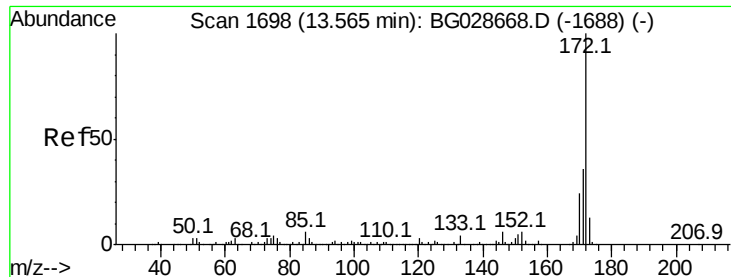
Tot Ion:164 Resp: 105315  
Ion Ratio Lower Upper  
164 100  
162 102.0 85.1 127.7  
160 44.9 34.7 52.1



#41  
2,4,6-Tribromophenol  
Concen: 55.745 ng  
RT: 16.44 min Scan# 2186  
Delta R.T. -0.00 min  
Lab File: BG028677.D  
Acq: 12 Sep 2017 19:51

Tgt Ion:330 Resp: 97099  
Ion Ratio Lower Upper  
330 100  
332 97.0 77.3 115.9  
141 31.4 32.1 48.1#

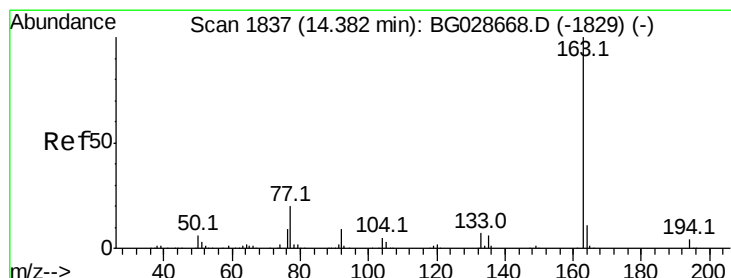
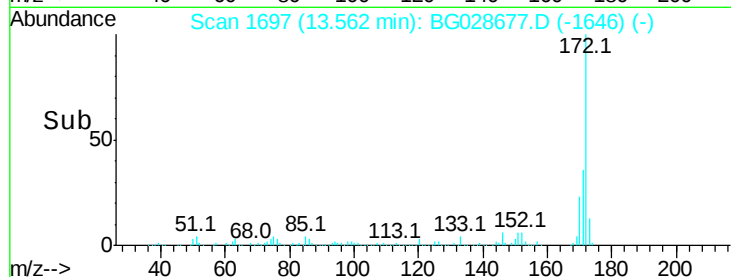
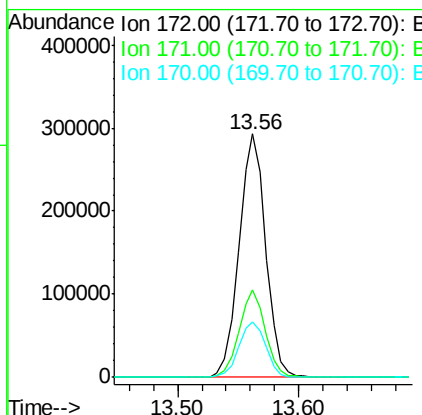
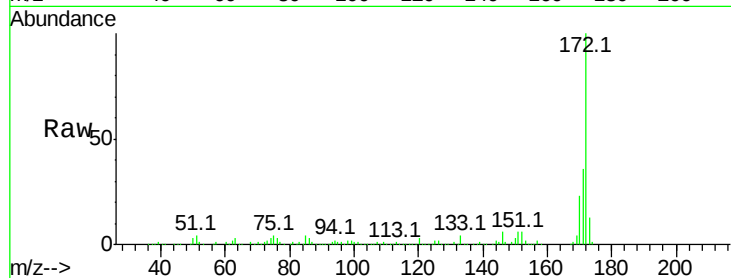




#44  
2-Fluorobiphenyl  
Concen: 56.847 ng  
RT: 13.56 min Scan# 1697  
Delta R.T. -0.00 min  
Lab File: BG028677.D  
Acq: 12 Sep 2017 19:51

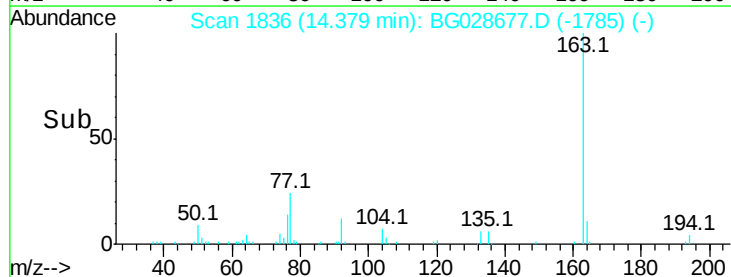
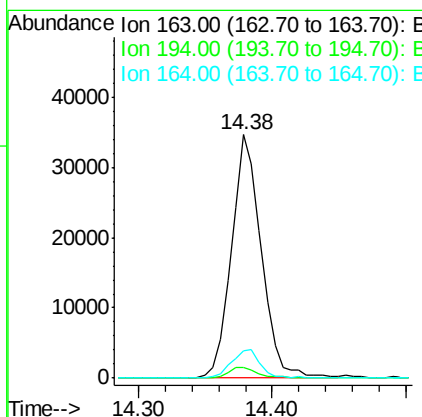
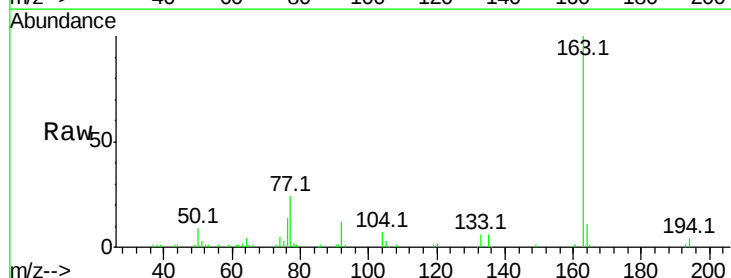
Instrument :  
BNA\_G  
ClientSampleId :  
S32-9020

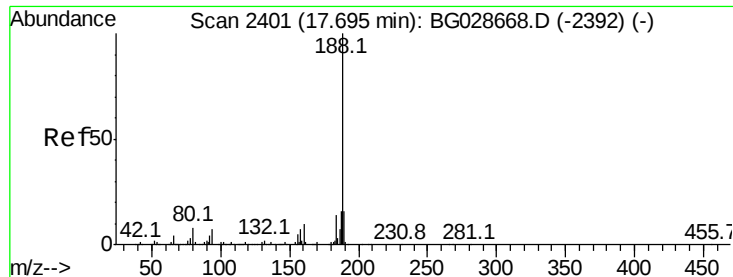
Tot Ion:172 Resp: 448984  
Ion Ratio Lower Upper  
172 100  
171 35.9 32.2 48.2  
170 22.8 21.8 32.6



#49  
Dimethylphthalate  
Concen: 6.105 ng  
RT: 14.38 min Scan# 1836  
Delta R.T. -0.00 min  
Lab File: BG028677.D  
Acq: 12 Sep 2017 19:51

Tgt Ion:163 Resp: 53916  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.8 5.6  
164 11.4 9.3 13.9





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.69 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BG028677.D

Acq: 12 Sep 2017 19:51

Instrument :

BNA\_G

ClientSampleId :

S32-9020

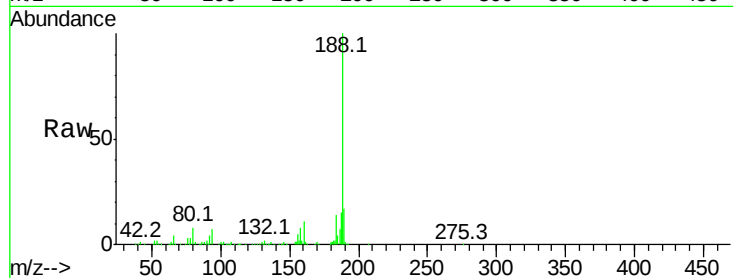
Tot Ion:188 Resp: 280083

Ion Ratio Lower Upper

188 100

94 6.9 5.8 8.8

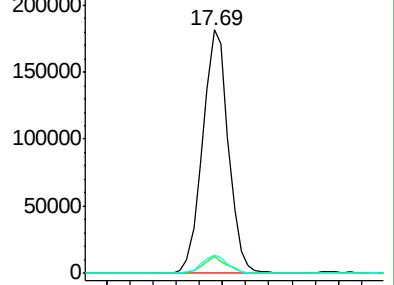
80 7.8 7.5 11.3



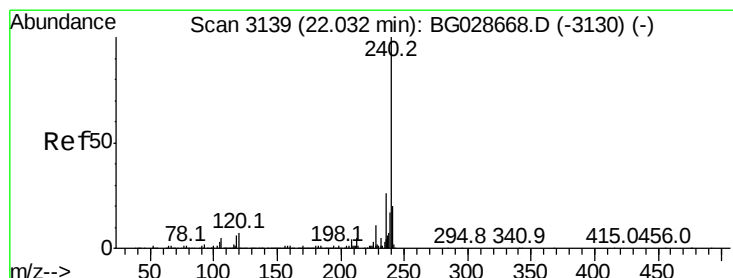
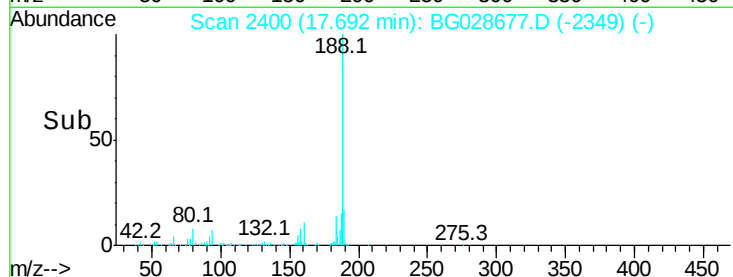
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.03 min Scan# 3138

Delta R.T. -0.00 min

Lab File: BG028677.D

Acq: 12 Sep 2017 19:51

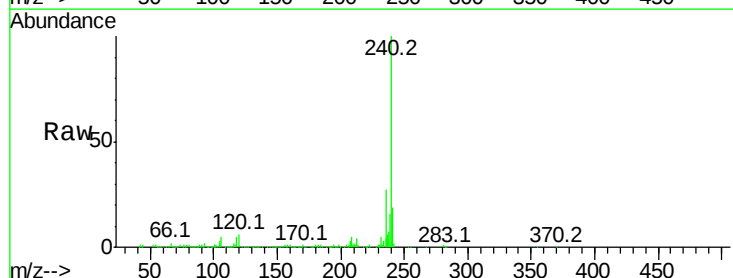
Tgt Ion:240 Resp: 316185

Ion Ratio Lower Upper

240 100

120 6.5 5.7 8.5

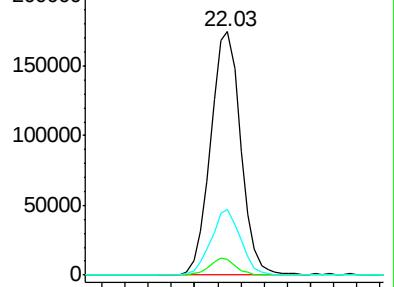
236 27.2 22.2 33.4



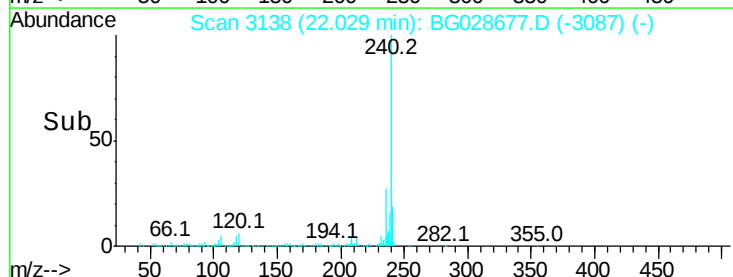
Abundance Ion 240.00 (239.70 to 240.70): E

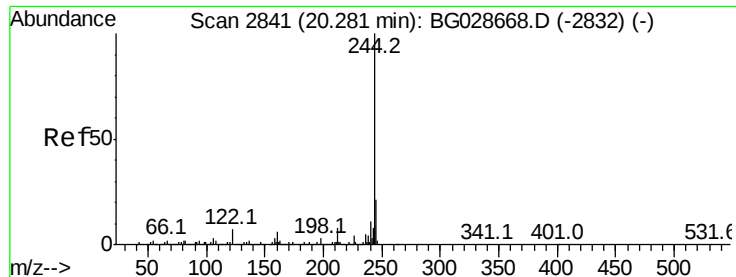
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#78

Terphenyl-d14

Concen: 47.792 ng

RT: 20.28 min Scan# 2840

Delta R.T. -0.00 min

Lab File: BG028677.D

Acq: 12 Sep 2017 19:51

Instrument :

BNA\_G

ClientSampleId :

S32-9020

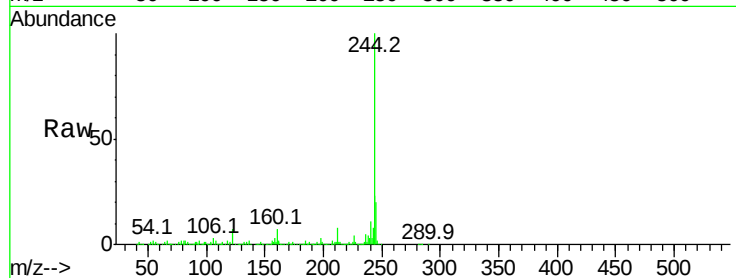
Tot Ion:244 Resp: 708590

Ion Ratio Lower Upper

244 100

212 8.2 10.0 15.0#

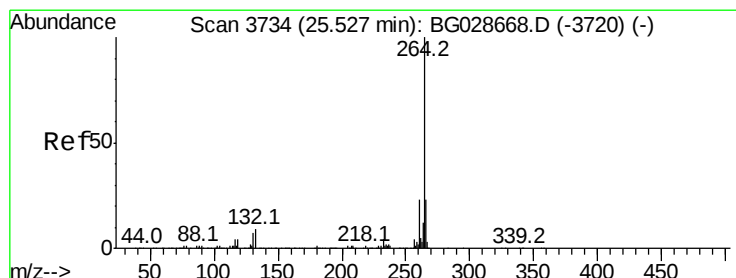
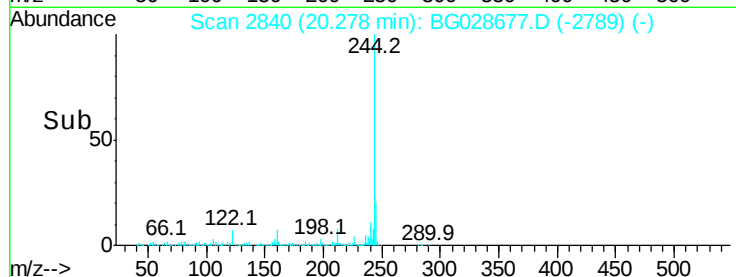
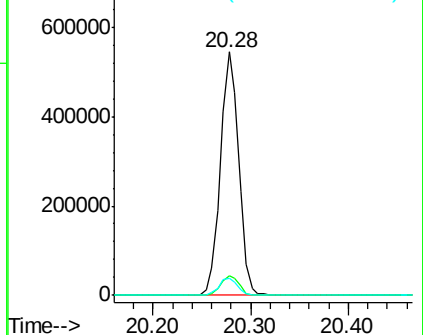
122 6.9 8.6 12.8#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.53 min Scan# 3734

Delta R.T. 0.00 min

Lab File: BG028677.D

Acq: 12 Sep 2017 19:51

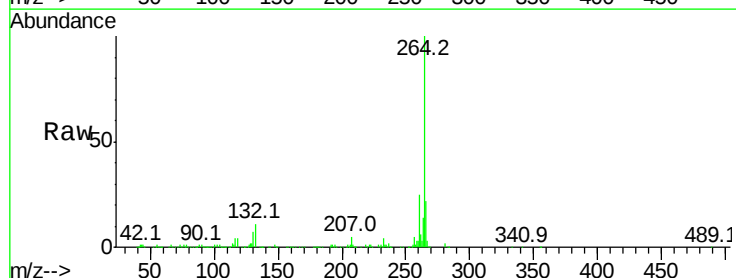
Tgt Ion:264 Resp: 319909

Ion Ratio Lower Upper

264 100

260 25.1 21.8 32.8

265 22.5 18.2 27.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

