

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091319\  
 Data File : BG042822.D  
 Acq On : 13 Sep 2019 18:33  
 Operator : HP/JU  
 Sample : K4846-08  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-23-COMP

Quant Time: Sep 13 23:23:38 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 12 14:06:09 2019  
 Response via : Initial Calibration

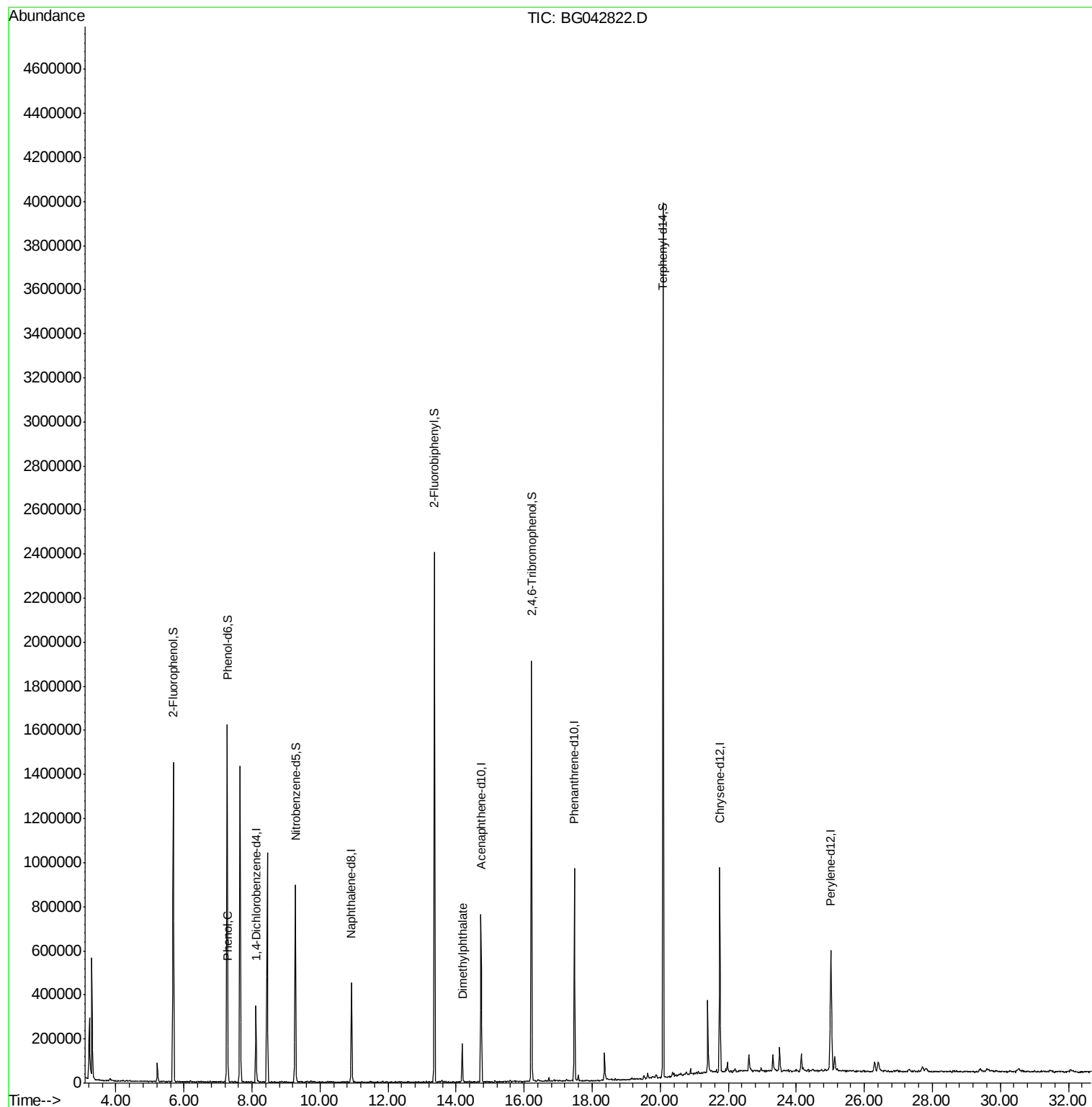
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.12  | 152  | 96235    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.93 | 136  | 387809   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.73 | 164  | 265987   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.48 | 188  | 597745   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.75 | 240  | 563234   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 25.02 | 264  | 612682   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.68  | 112  | 580189   | 104.81 | ng    | 0.00     |
| 7) Phenol-d6                | 7.27  | 99   | 885401   | 111.44 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 560205   | 75.21  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.22 | 330  | 376155   | 106.30 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.36 | 172  | 1222966  | 72.78  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.08 | 244  | 1866756  | 73.46  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.29  | 94   | 34333    | 4.214  | ng    | 95       |
| 50) Dimethylphthalate       | 14.18 | 163  | 108953   | 5.468  | ng    | # 96     |

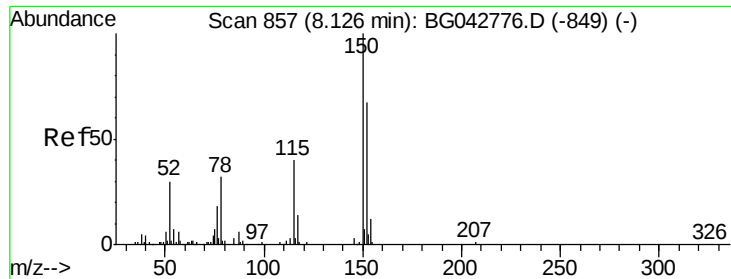
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
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SB-23-COMP

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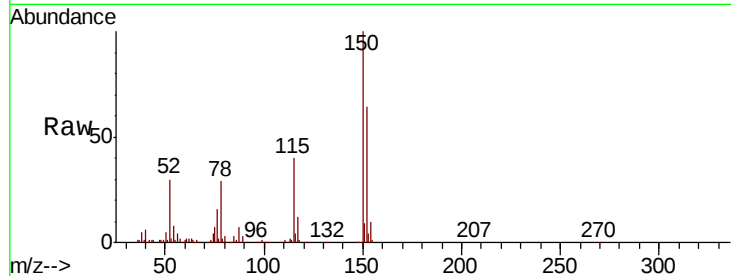


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.12 min Scan# 856  
Delta R.T. -0.01 min  
Lab File: BG042822.D  
Acq: 13 Sep 2019 18:33

Instrument :  
BNA\_G  
ClientSampleId :  
SB-23-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.9 | 118.9 | 178.3 |
| 115     | 62.8  | 47.4  | 71.2  |

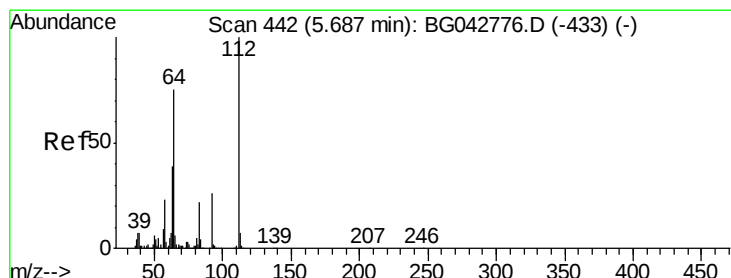
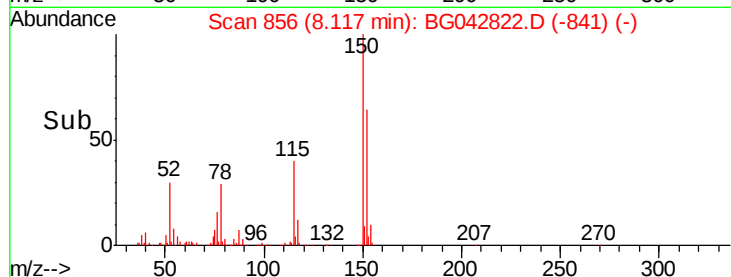
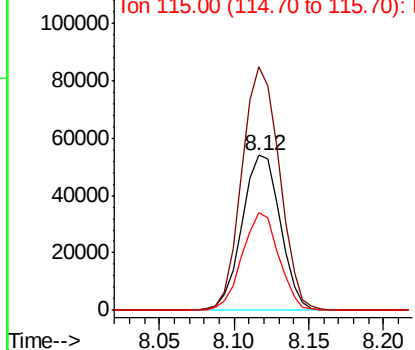


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

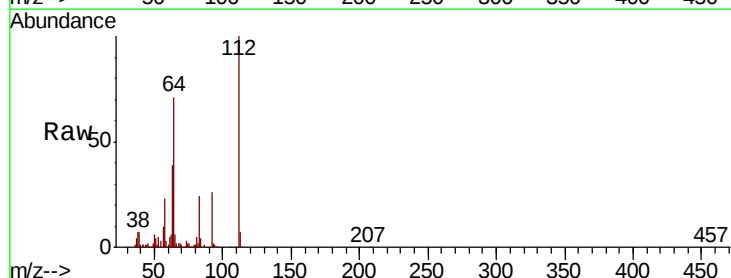
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 104.815 ng  
RT: 5.68 min Scan# 442  
Delta R.T. -0.00 min  
Lab File: BG042822.D  
Acq: 13 Sep 2019 18:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 70.7  | 60.2  | 90.2  |
| 63      | 39.5  | 31.2  | 46.8  |

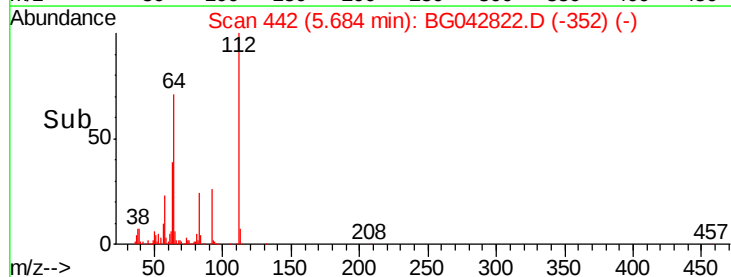
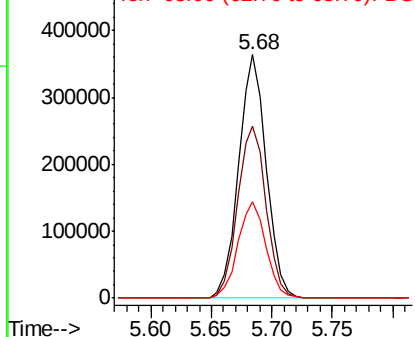


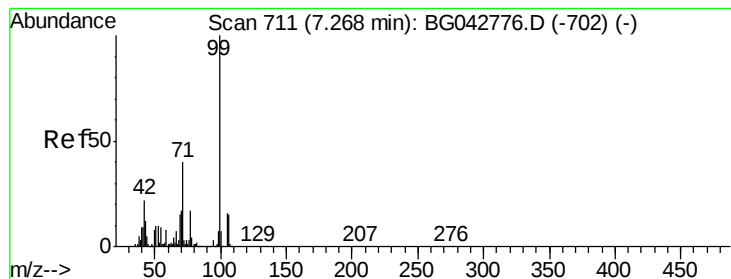
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 111.440 ng

RT: 7.27 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG042822.D

Acq: 13 Sep 2019 18:33

Instrument :

BNA\_G

ClientSampleId :

SB-23-COMP

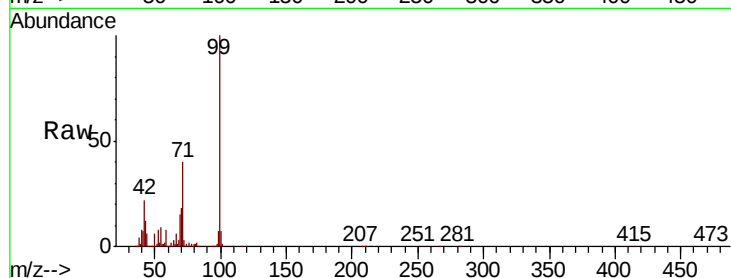
Tot Ion: 99 Resp: 885401

Ion Ratio Lower Upper

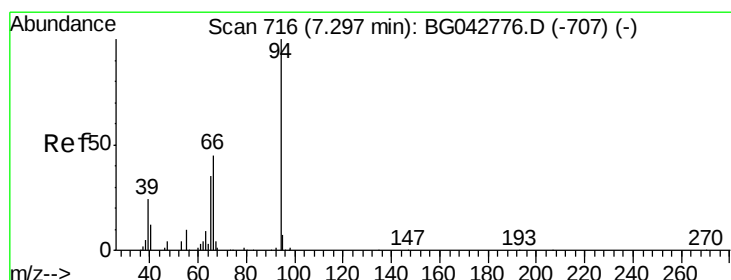
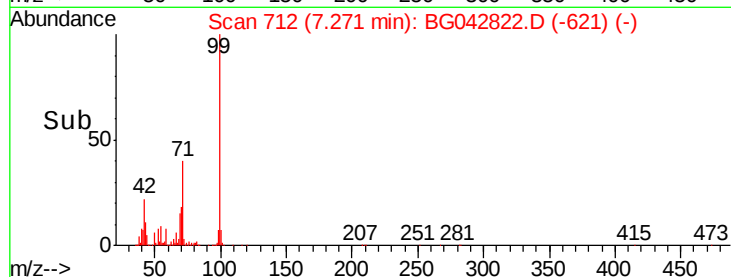
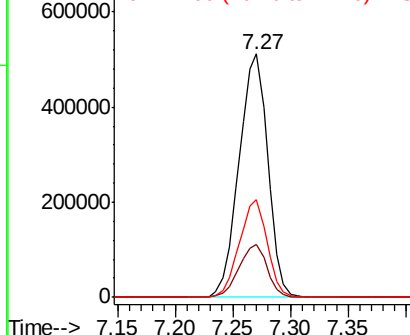
99 100

42 21.8 17.5 26.3

71 40.1 32.0 48.0



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 4.214 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.00 min

Lab File: BG042822.D

Acq: 13 Sep 2019 18:33

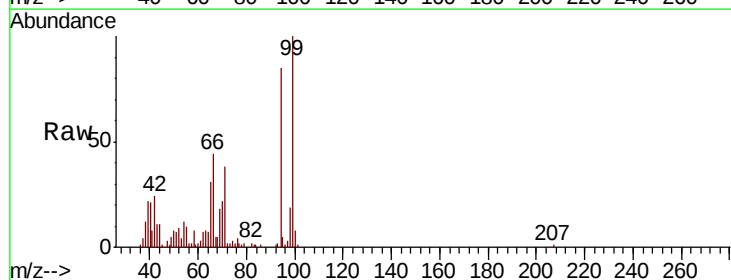
Tgt Ion: 94 Resp: 34333

Ion Ratio Lower Upper

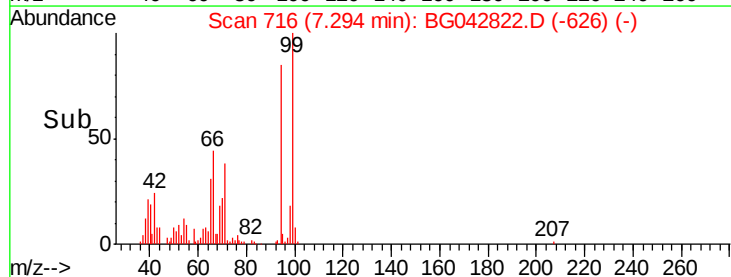
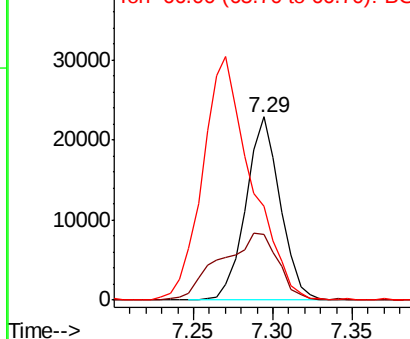
94 100

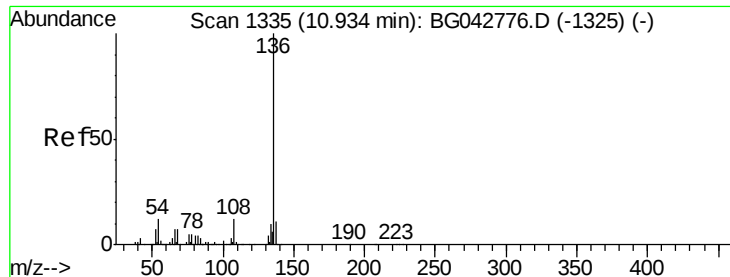
65 36.2 15.0 55.0

66 51.1 26.1 66.1



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

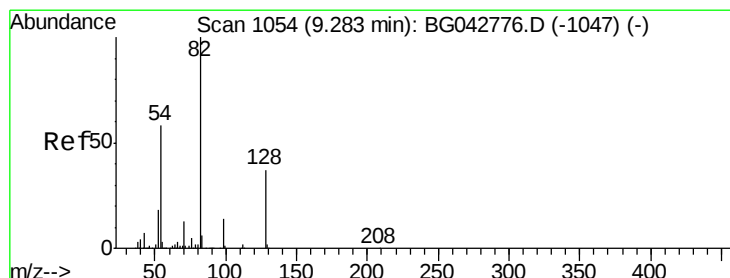
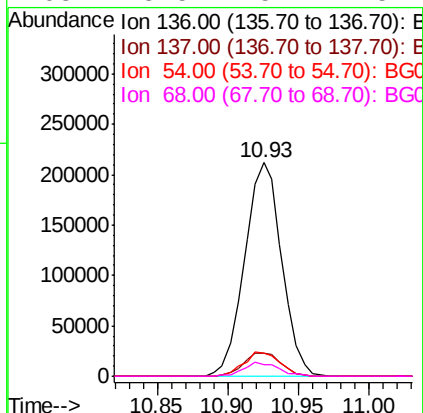
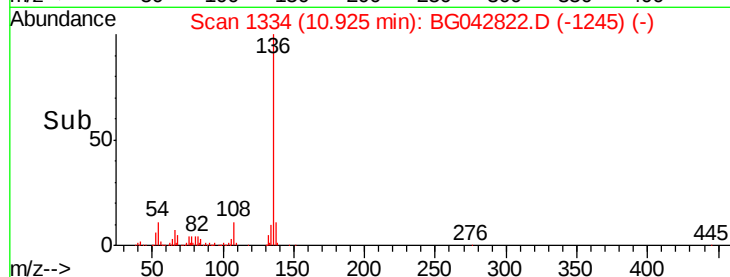
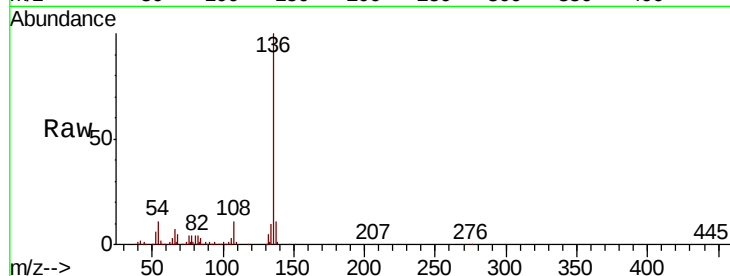




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.93 min Scan# 1334  
Delta R.T. -0.01 min  
Lab File: BG042822.D  
Acq: 13 Sep 2019 18:33

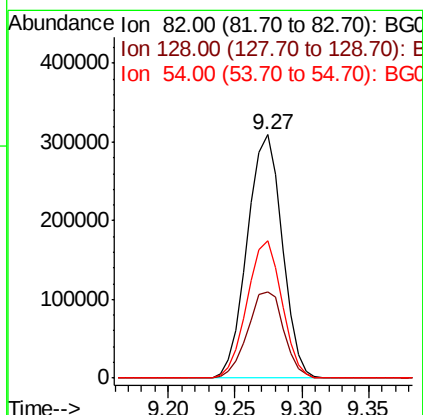
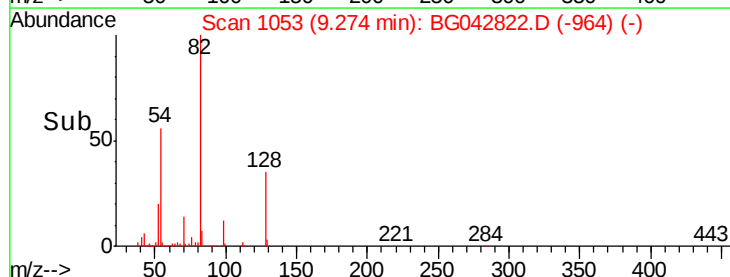
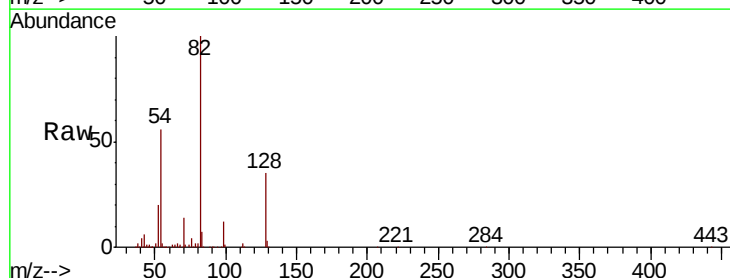
Instrument :  
BNA\_G  
ClientSampleId :  
SB-23-COMP

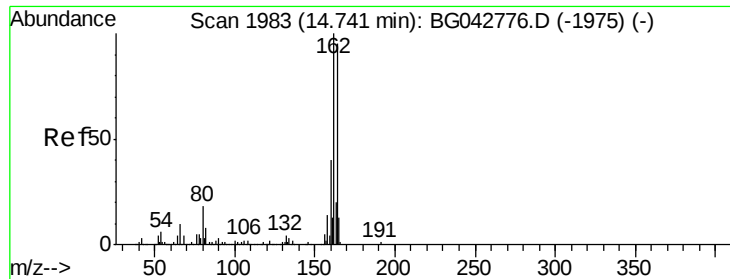
|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 387809 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 10.9    | 9.0   | 13.6   |  |
| 54 10.6     | 9.4   | 14.0   |  |
| 68 5.5      | 5.4   | 8.2    |  |



#23  
Nitrobenzene-d5  
Concen: 75.206 ng  
RT: 9.27 min Scan# 1053  
Delta R.T. -0.01 min  
Lab File: BG042822.D  
Acq: 13 Sep 2019 18:33

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 82 | Resp: | 560205 |
| Ion | Ratio   | Lower | Upper  |
| 82  | 100     |       |        |
| 128 | 35.4    | 29.8  | 44.8   |
| 54  | 56.4    | 46.1  | 69.1   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BG042822.D

Acq: 13 Sep 2019 18:33

Instrument :

BNA\_G

ClientSampleId :

SB-23-COMP

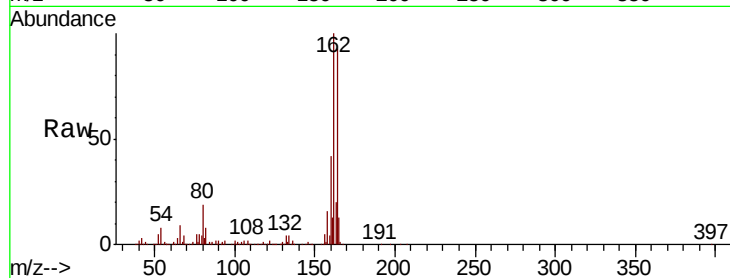
Tot Ion:164 Resp: 265987

Ion Ratio Lower Upper

164 100

162 107.0 84.6 126.8

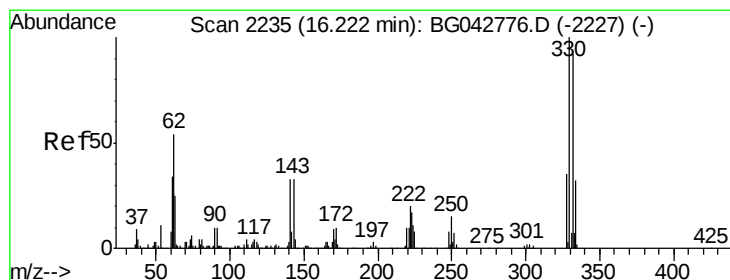
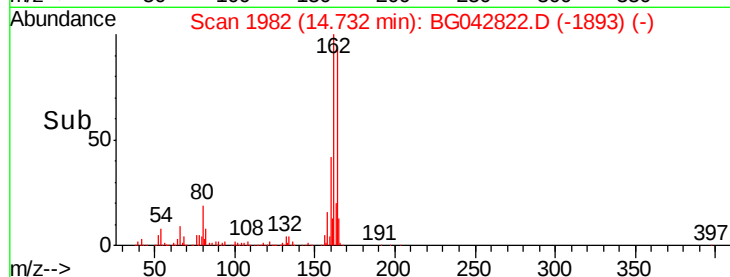
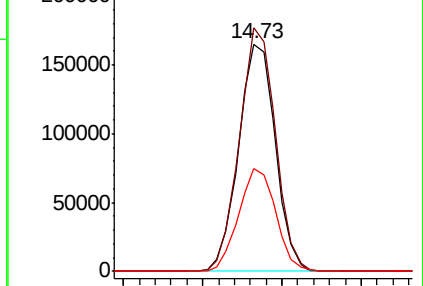
160 45.3 34.2 51.2



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



#42

2,4,6-Tribromophenol

Concen: 106.296 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BG042822.D

Acq: 13 Sep 2019 18:33

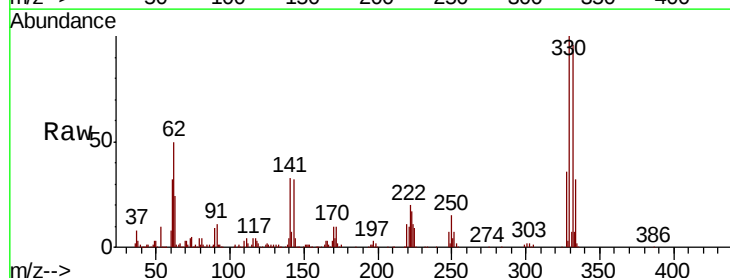
Tgt Ion:330 Resp: 376155

Ion Ratio Lower Upper

330 100

332 96.3 76.7 115.1

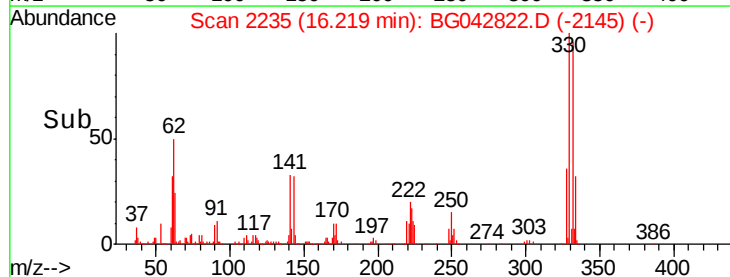
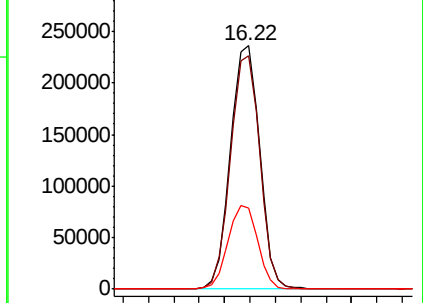
141 35.0 27.0 40.6

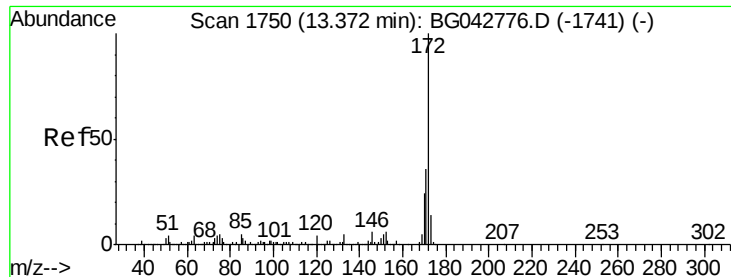


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



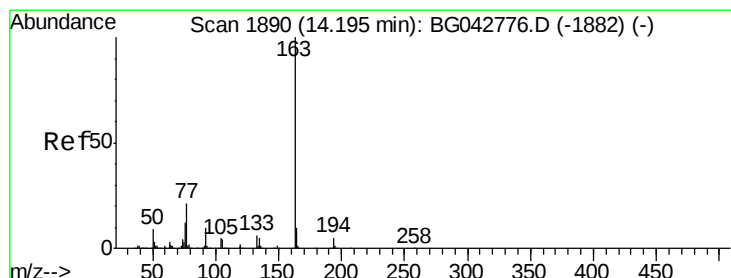
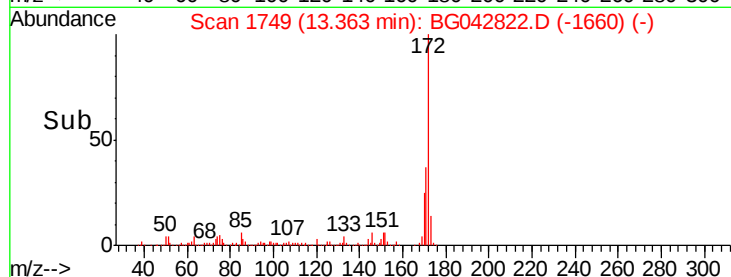
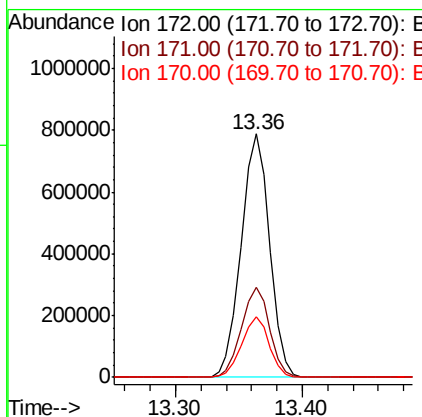
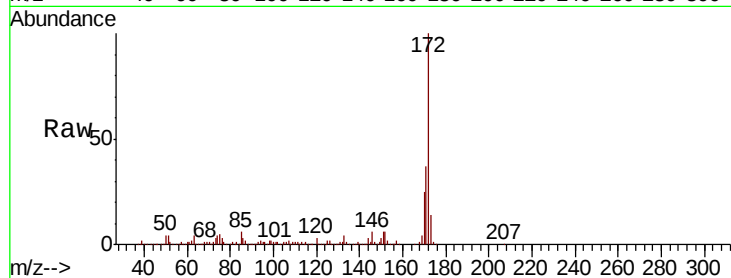


#45  
 2-Fluorobiphenyl  
 Concen: 72.781 ng  
 RT: 13.36 min Scan# 1749  
 Delta R.T. -0.01 min  
 Lab File: BG042822.D  
 Acq: 13 Sep 2019 18:33

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-23-COMP

Tot Ion:172 Resp: 1222966  

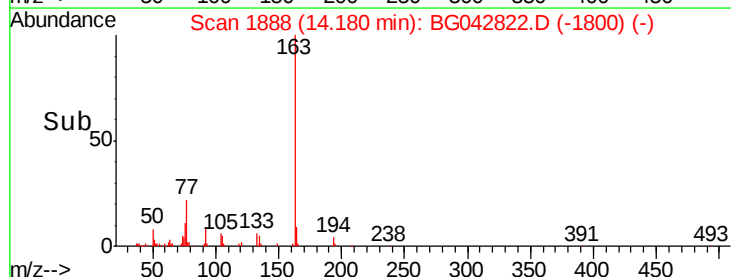
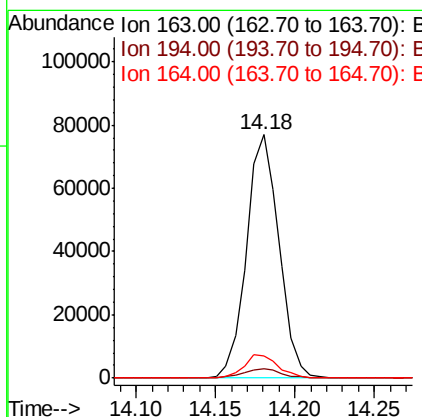
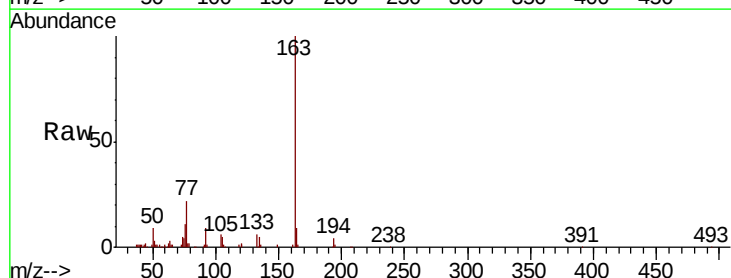
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 37.2  | 28.9  | 43.3  |
| 170 | 24.7  | 19.1  | 28.7  |

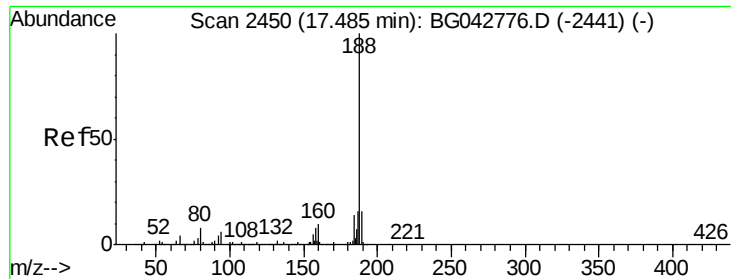


#50  
 Dimethylphthalate  
 Concen: 5.468 ng  
 RT: 14.18 min Scan# 1888  
 Delta R.T. -0.01 min  
 Lab File: BG042822.D  
 Acq: 13 Sep 2019 18:33

Tgt Ion:163 Resp: 108953  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.8   | 4.2   | 6.4#  |
| 164 | 9.0   | 8.4   | 12.6  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2449

Delta R.T. -0.01 min

Lab File: BG042822.D

Acq: 13 Sep 2019 18:33

Instrument :

BNA\_G

ClientSampleId :

SB-23-COMP

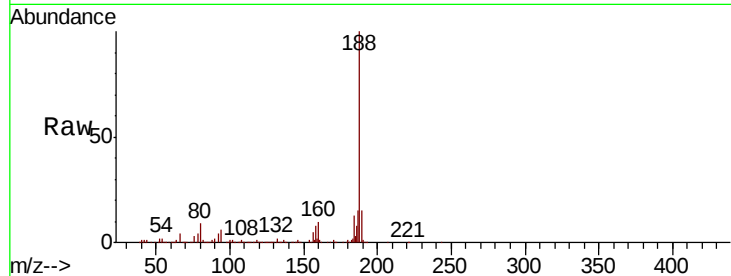
Tot Ion:188 Resp: 597745

Ion Ratio Lower Upper

188 100

94 6.5 4.8 7.2

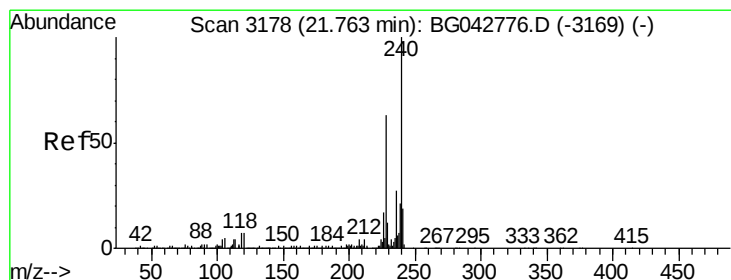
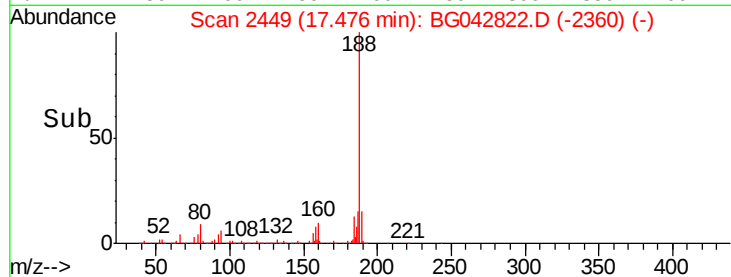
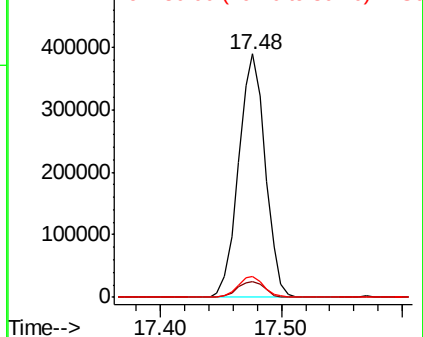
80 8.6 6.6 9.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.75 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BG042822.D

Acq: 13 Sep 2019 18:33

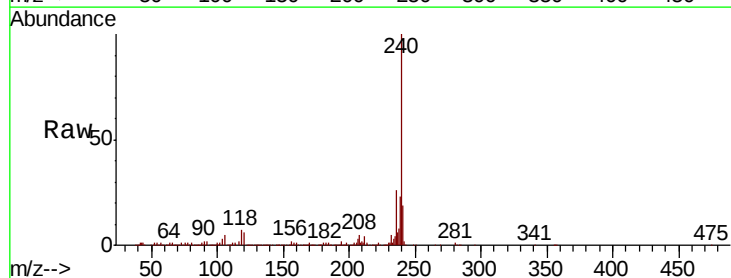
Tgt Ion:240 Resp: 563234

Ion Ratio Lower Upper

240 100

120 5.9 5.4 8.2

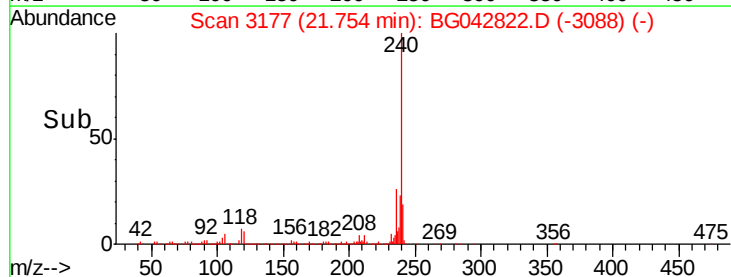
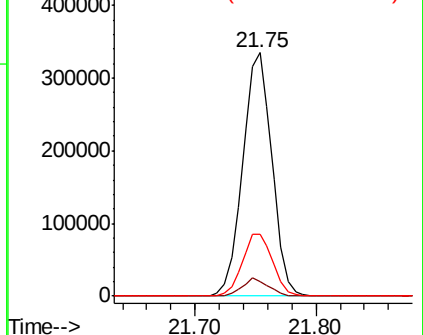
236 25.5 21.7 32.5

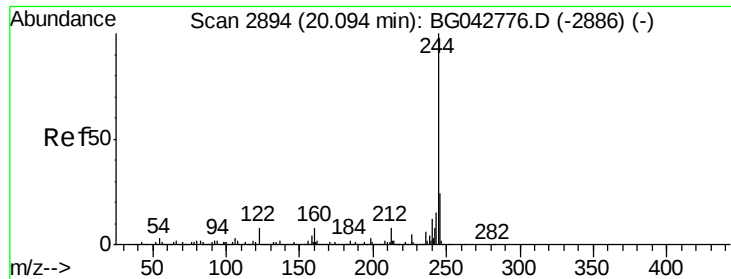


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 73.455 ng

RT: 20.08 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG042822.D

Acq: 13 Sep 2019 18:33

Instrument :

BNA\_G

ClientSampleId :

SB-23-COMP

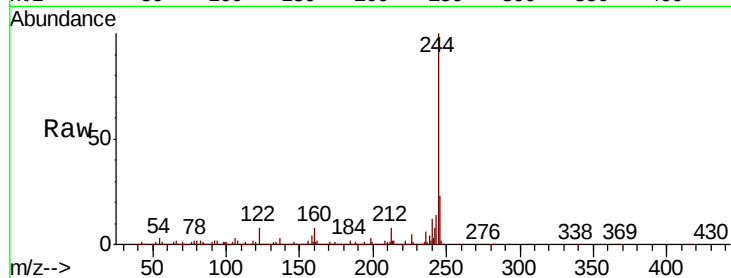
Tot Ion:244 Resp: 1866756

Ion Ratio Lower Upper

244 100

212 8.3 6.6 10.0

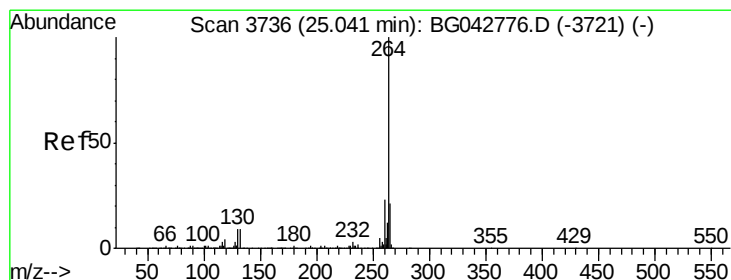
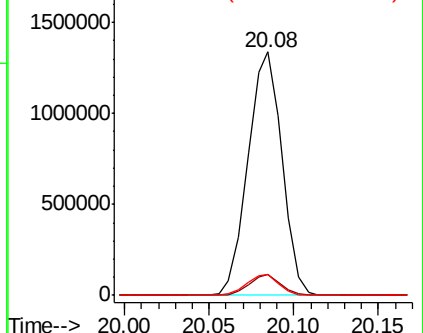
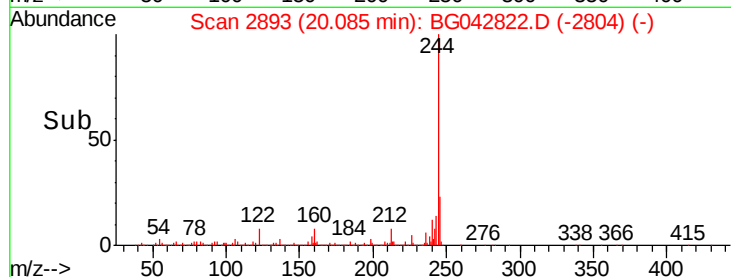
122 8.4 6.2 9.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3733

Delta R.T. -0.02 min

Lab File: BG042822.D

Acq: 13 Sep 2019 18:33

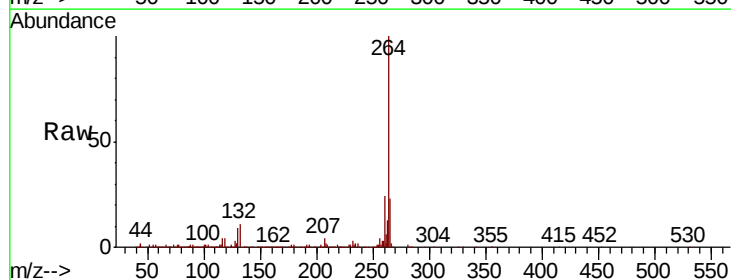
Tgt Ion:264 Resp: 612682

Ion Ratio Lower Upper

264 100

260 24.0 18.2 27.2

265 23.1 16.9 25.3



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

