

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082219\  
 Data File : BG042410.D  
 Acq On : 22 Aug 2019 20:54  
 Operator : HP/JU  
 Sample : K4332-03  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 0647-ELUTRIATE-COMP-A

Quant Time: Aug 23 03:58:14 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 22 14:29:15 2019  
 Response via : Initial Calibration

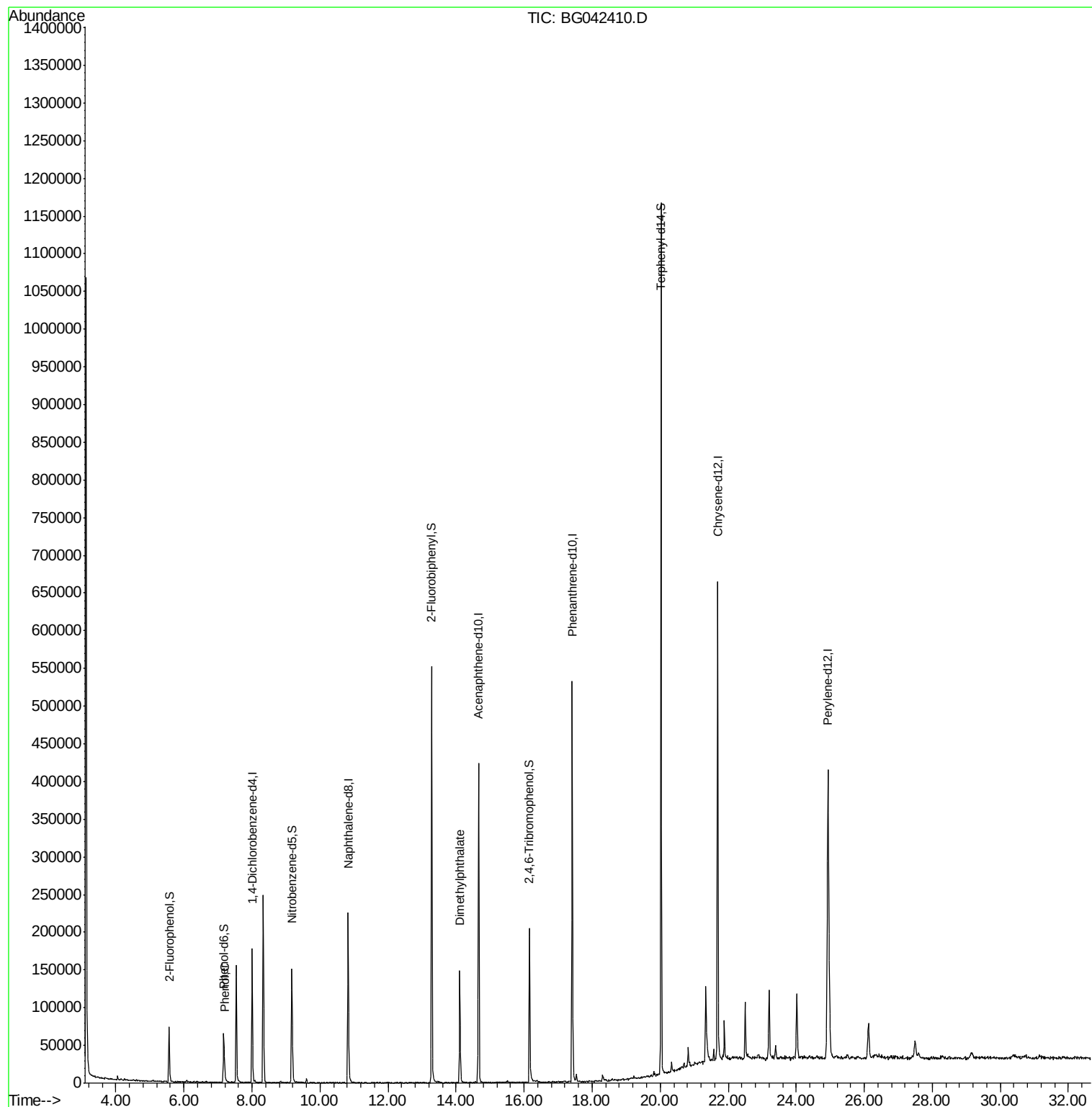
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.01  | 152  | 60710    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.83 | 136  | 239742   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.66 | 164  | 171122   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.41 | 188  | 387345   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.69 | 240  | 394574   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.93 | 264  | 463606   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.56  | 112  | 43115    | 14.38  | ng    | 0.00     |
| 7) Phenol-d6                | 7.17  | 99   | 54385    | 13.43  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.17  | 82   | 110445   | 31.84  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.15 | 330  | 61630    | 25.34  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.28 | 172  | 353336   | 34.92  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.03 | 244  | 599811   | 32.86  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.19  | 94   | 10077    | 2.448  | ng    | 93       |
| 50) Dimethylphthalate       | 14.11 | 163  | 137147   | 11.108 | ng    | 99       |

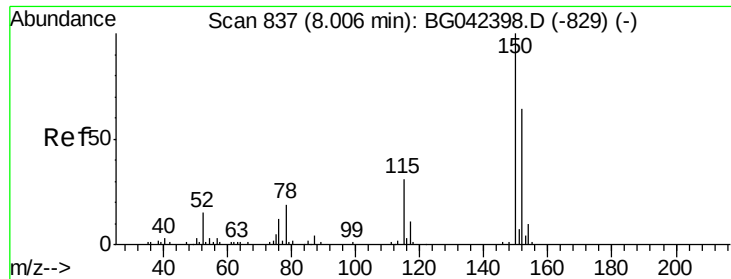
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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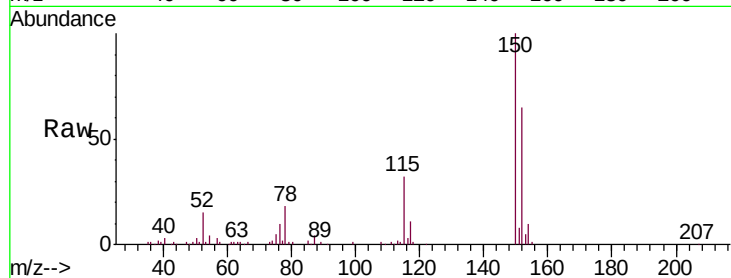


#1

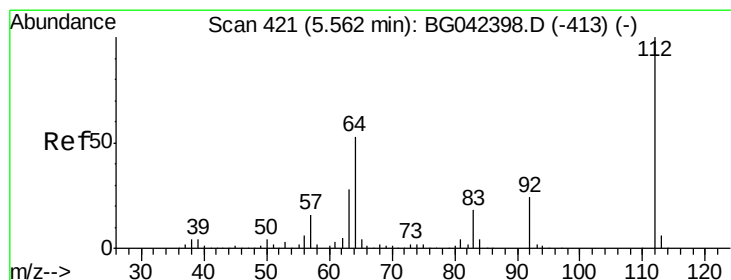
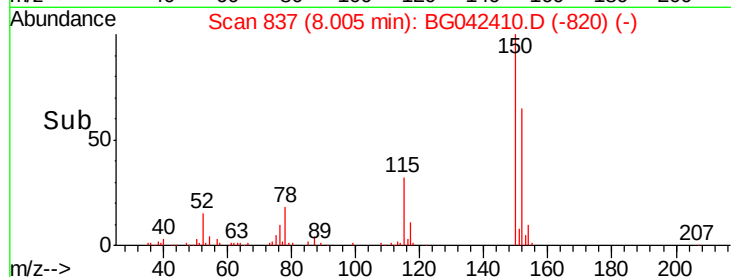
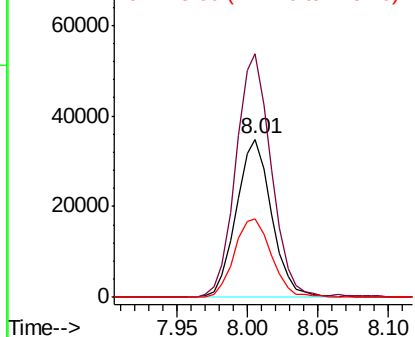
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.01 min Scan# 837  
Delta R.T. -0.00 min  
Lab File: BG042410.D  
Acq: 22 Aug 2019 20:54

Instrument :  
BNA\_G  
ClientSampleId :  
0647-ELUTRIATE-COMP-A

Tot Ion:152 Resp: 60710  
Ion Ratio Lower Upper  
152 100  
150 154.1 125.4 188.0  
115 49.5 38.5 57.7



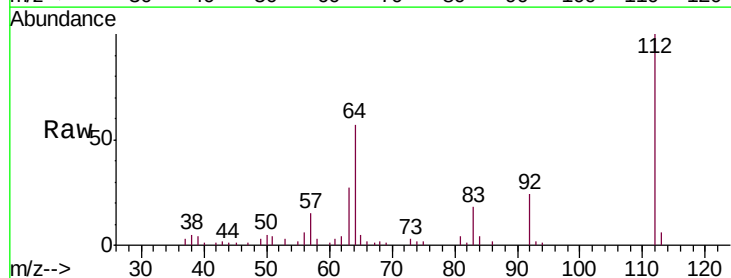
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



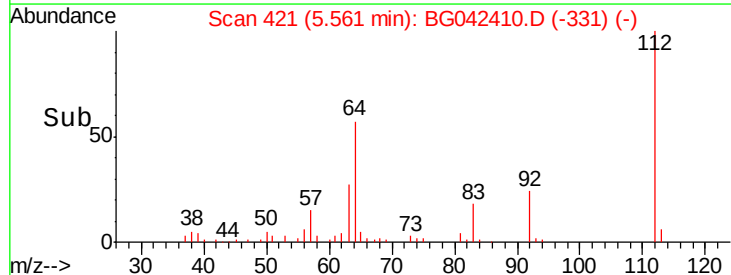
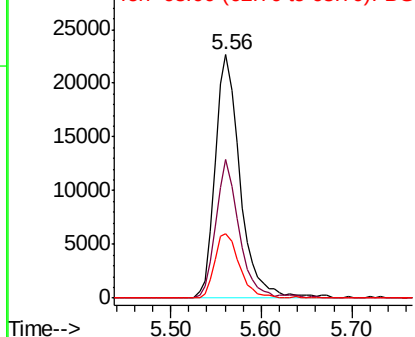
#5

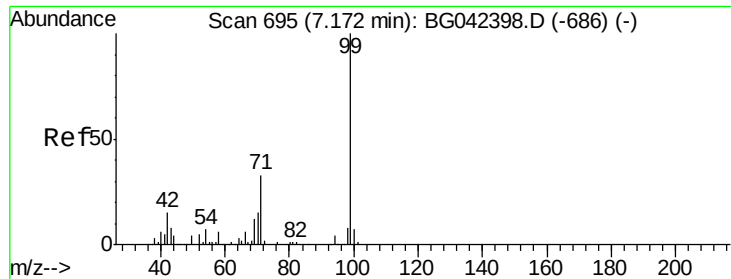
2-Fluorophenol  
Concen: 14.383 ng  
RT: 5.56 min Scan# 421  
Delta R.T. -0.00 min  
Lab File: BG042410.D  
Acq: 22 Aug 2019 20:54

Tgt Ion:112 Resp: 43115  
Ion Ratio Lower Upper  
112 100  
64 56.9 42.8 64.2  
63 26.7 22.7 34.1



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: 13.431 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

Instrument :

BNA\_G

ClientSampleId :

0647-ELUTRIATE-COMP-A

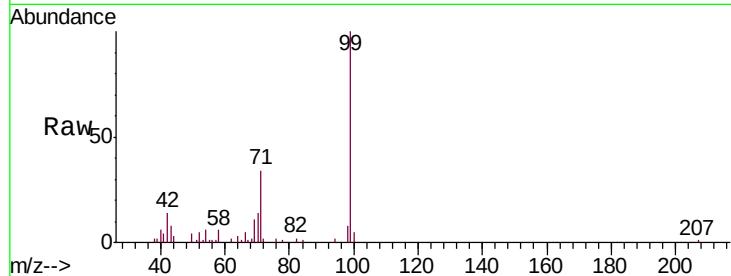
Tot Ion: 99 Resp: 54385

Ion Ratio Lower Upper

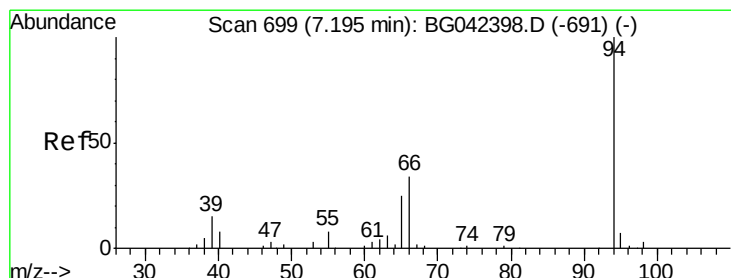
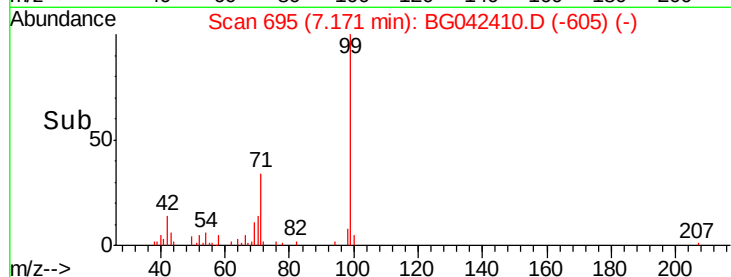
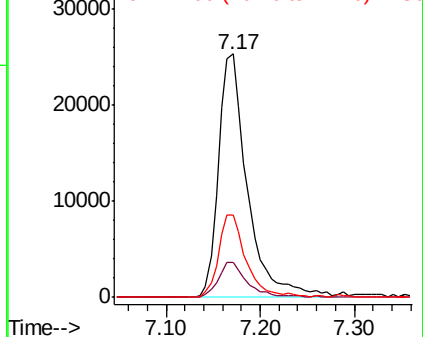
99 100

42 14.1 12.0 18.0

71 34.0 26.3 39.5



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: 2.448 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

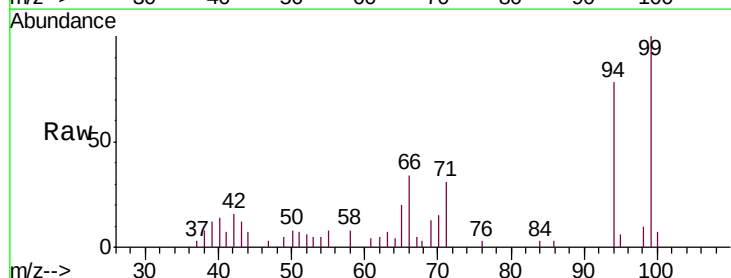
Tgt Ion: 94 Resp: 10077

Ion Ratio Lower Upper

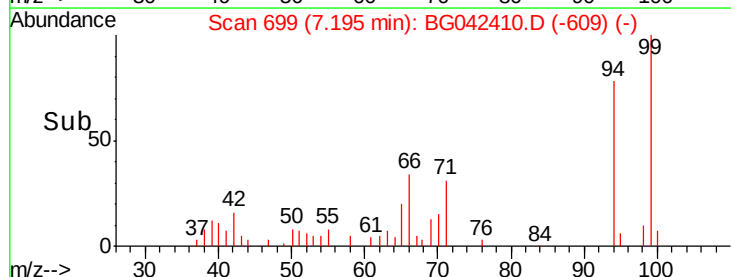
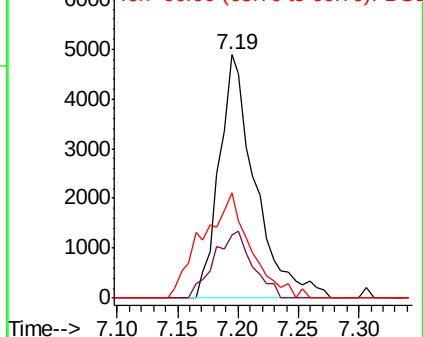
94 100

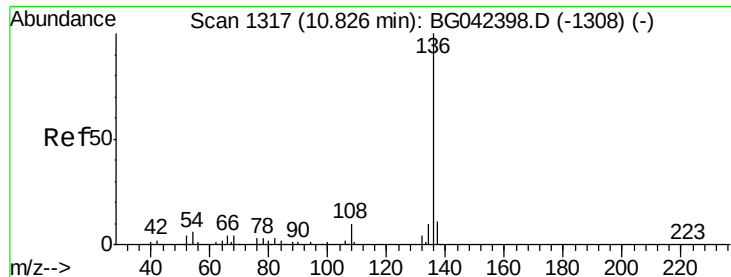
65 25.8 5.6 45.6

66 43.1 16.0 56.0



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: 10.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

Instrument :

BNA\_G

ClientSampleId :

0647-ELUTRIATE-COMP-A

Tot Ion:136 Resp: 239742

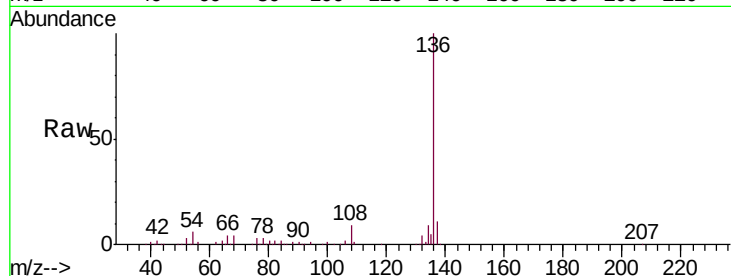
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 6.3 4.9 7.3

68 4.0 3.6 5.4

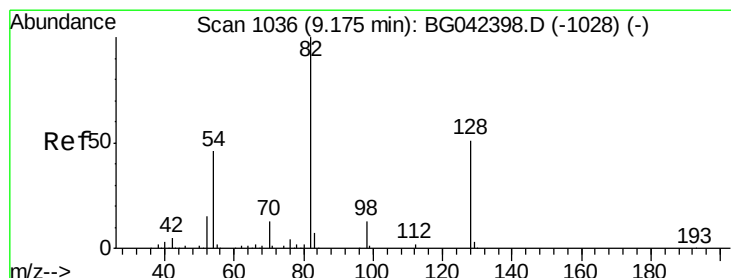
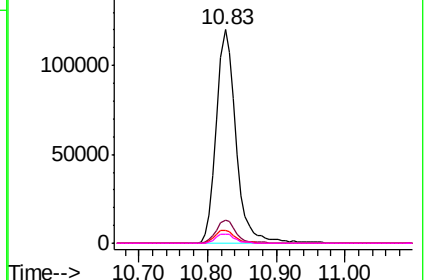
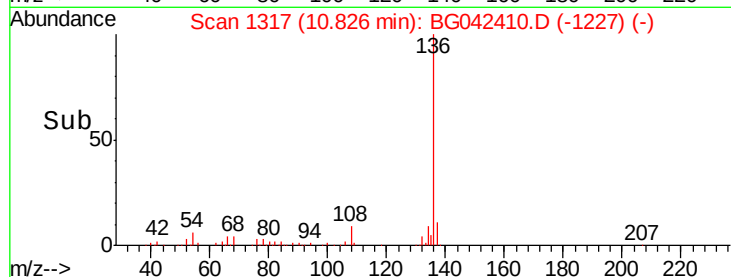


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 31.835 ng

RT: 9.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

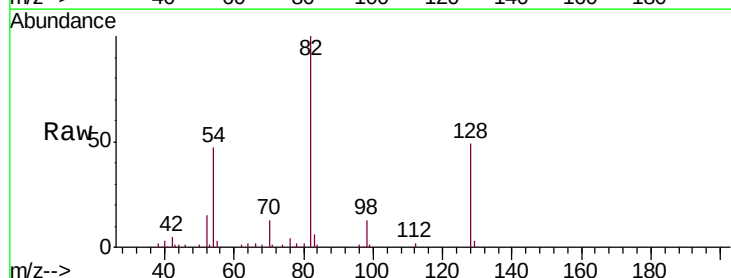
Tgt Ion: 82 Resp: 110445

Ion Ratio Lower Upper

82 100

128 49.4 40.7 61.1

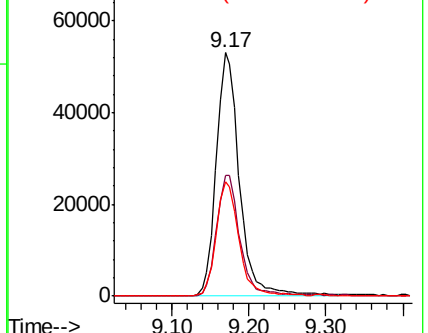
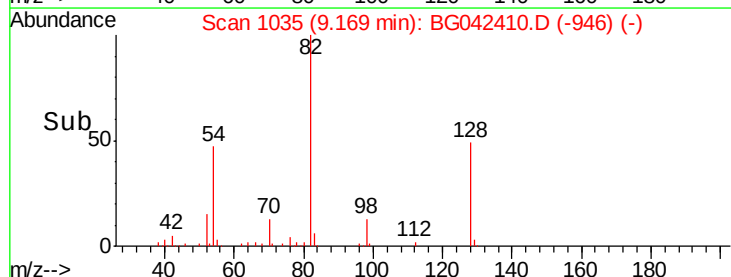
54 47.1 36.3 54.5

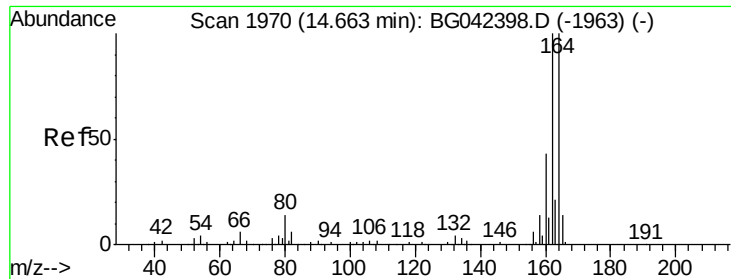


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.00 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

Instrument :

BNA\_G

ClientSampleId :

0647-ELUTRIATE-COMP-A

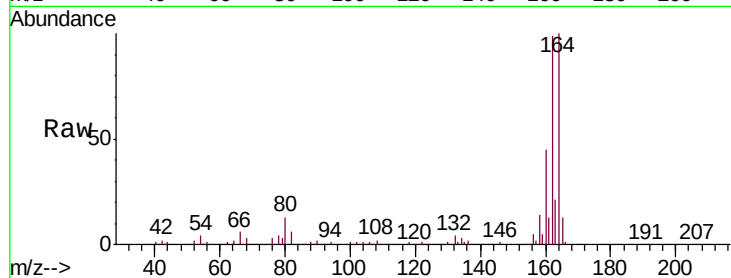
Tot Ion:164 Resp: 171122

Ion Ratio Lower Upper

164 100

162 98.5 79.9 119.9

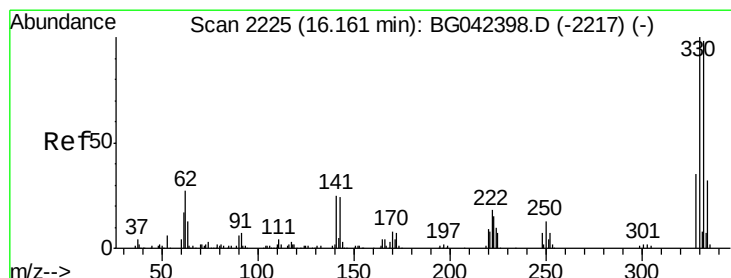
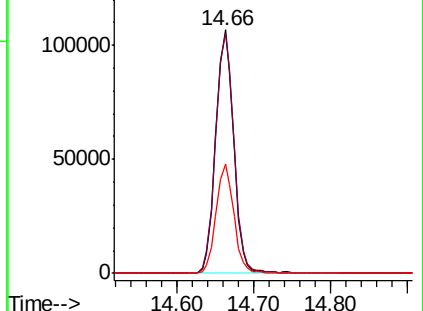
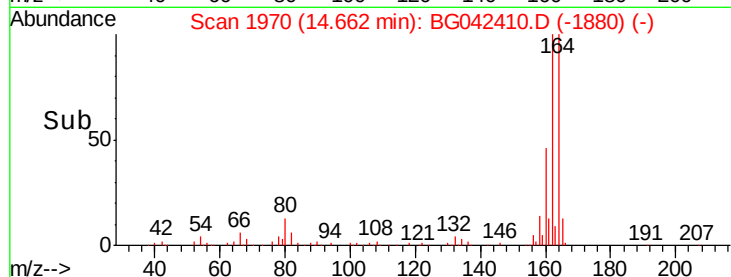
160 45.1 34.3 51.5



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: 25.339 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

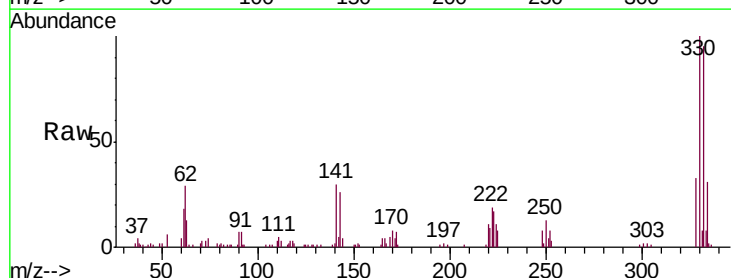
Tgt Ion:330 Resp: 61630

Ion Ratio Lower Upper

330 100

332 96.7 77.4 116.0

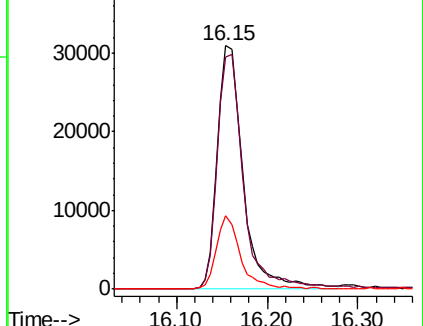
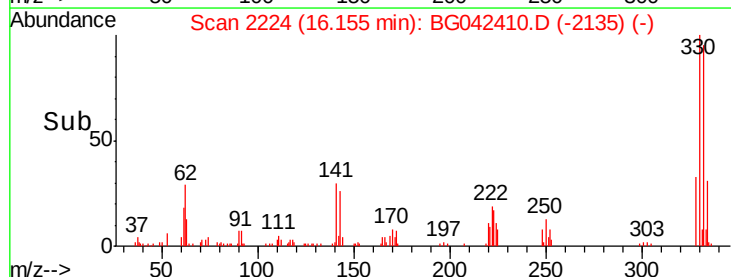
141 28.0 21.4 32.0

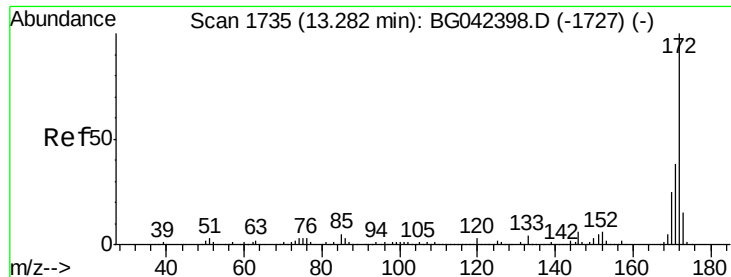


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

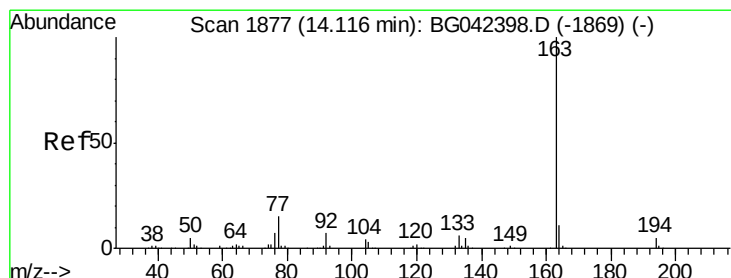
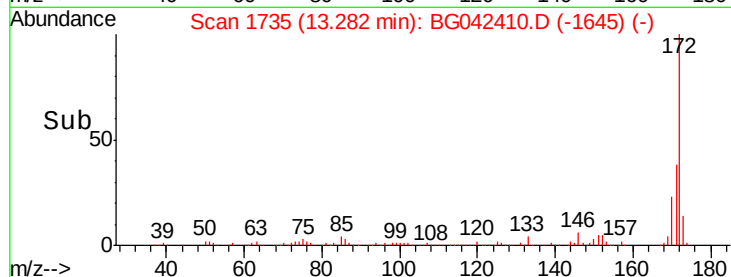
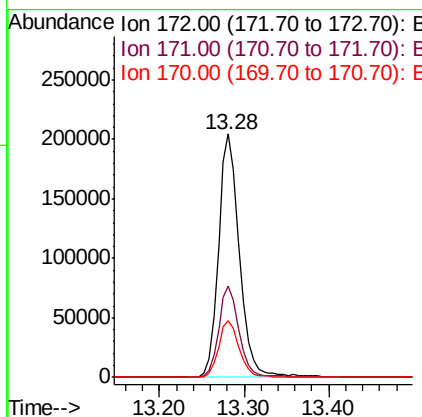
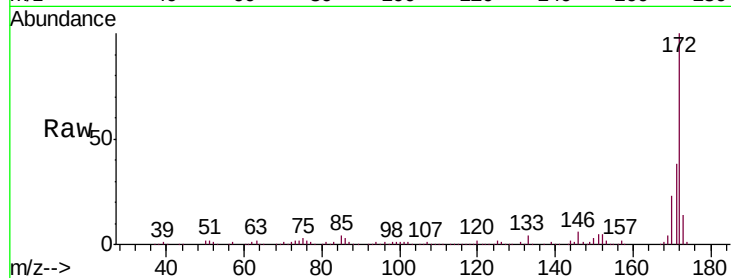




#45  
2-Fluorobiphenyl  
Concen: 34.922 ng  
RT: 13.28 min Scan# 1735  
Delta R.T. -0.00 min  
Lab File: BG042410.D  
Acq: 22 Aug 2019 20:54

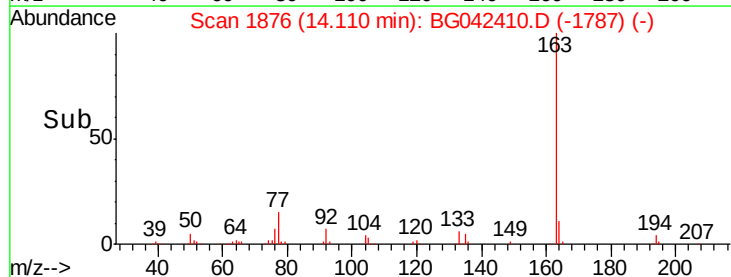
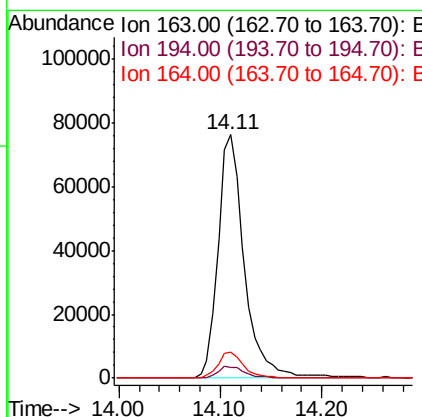
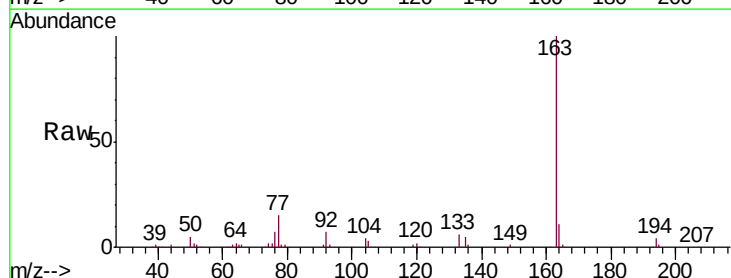
Instrument :  
BNA\_G  
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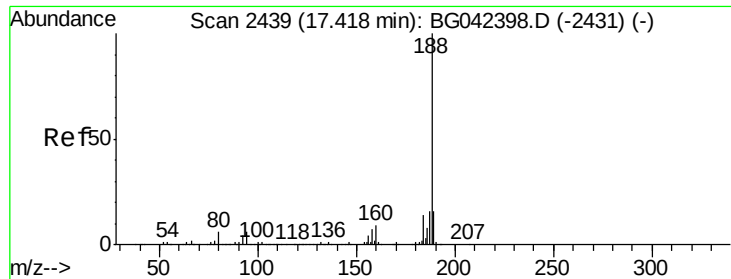
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.6  | 30.5  | 45.7  |
| 170     | 23.2  | 20.2  | 30.2  |



#50  
Dimethylphthalate  
Concen: 11.108 ng  
RT: 14.11 min Scan# 1876  
Delta R.T. -0.01 min  
Lab File: BG042410.D  
Acq: 22 Aug 2019 20:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.5   | 4.2   | 6.2   |
| 164     | 10.7  | 8.8   | 13.2  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

Instrument :

BNA\_G

ClientSampleId :

0647-ELUTRIATE-COMP-A

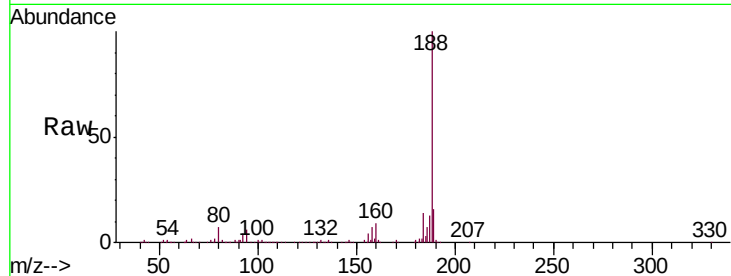
Tot Ion:188 Resp: 387345

Ion Ratio Lower Upper

188 100

94 6.4 4.5 6.7

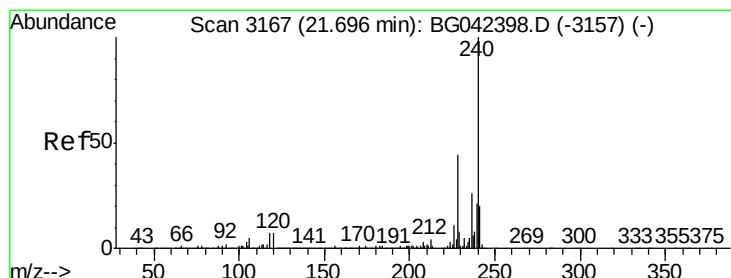
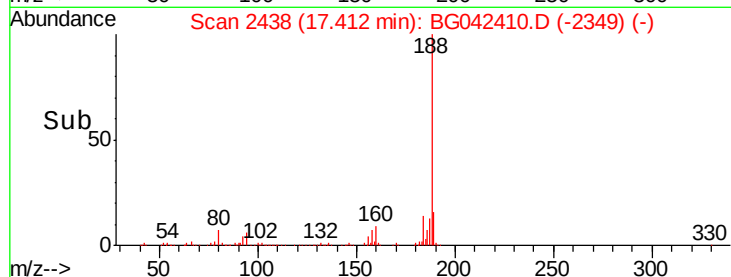
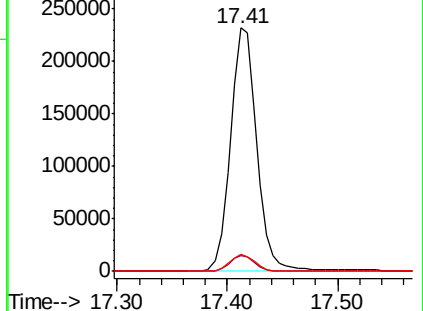
80 7.0 4.9 7.3



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

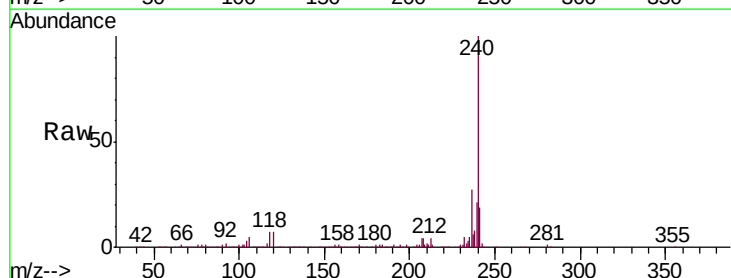
Tgt Ion:240 Resp: 394574

Ion Ratio Lower Upper

240 100

120 7.0 5.7 8.5

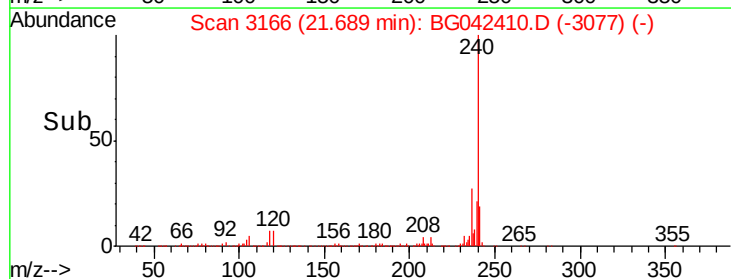
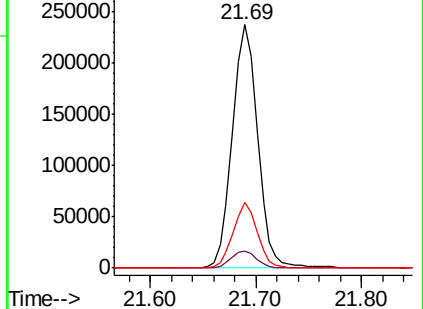
236 26.7 21.0 31.4



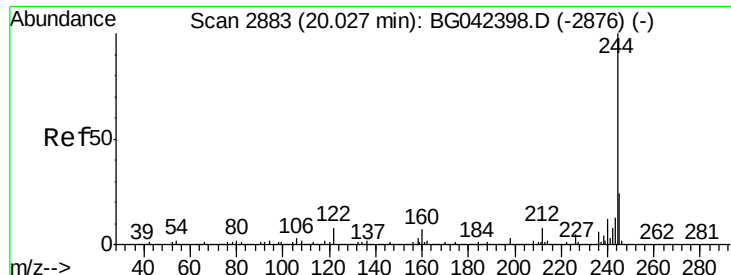
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#79

Terphenyl-d14

Concen: 32.864 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

Instrument :

BNA\_G

ClientSampleId :

0647-ELUTRIATE-COMP-A

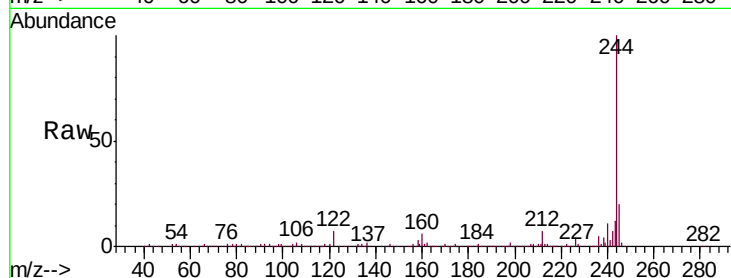
Tot Ion:244 Resp: 599811

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

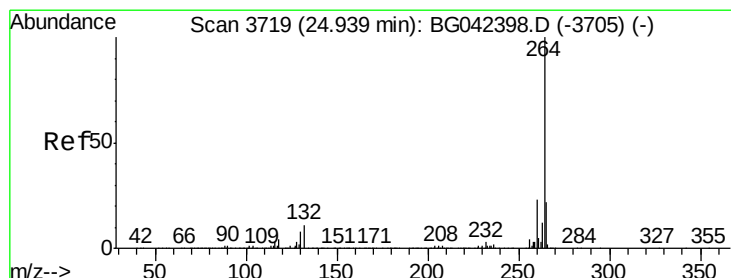
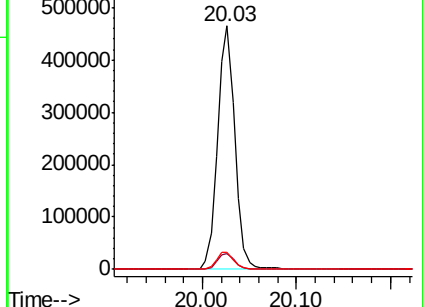
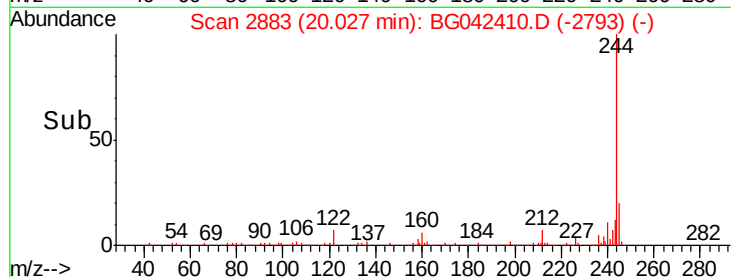
122 6.9 6.7 10.1



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: 24.93 min Scan# 3718

Delta R.T. -0.01 min

Lab File: BG042410.D

Acq: 22 Aug 2019 20:54

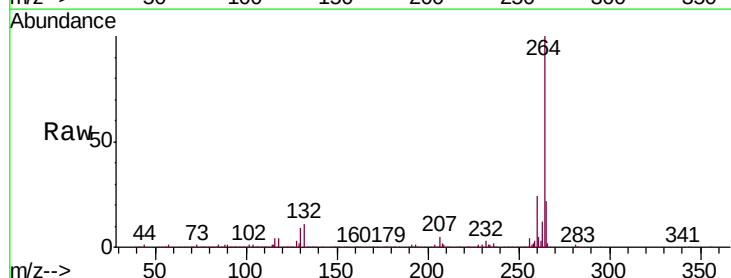
Tgt Ion:264 Resp: 463606

Ion Ratio Lower Upper

264 100

260 23.9 18.5 27.7

265 22.2 17.6 26.4



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

