

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060819\  
 Data File : BG041148.D  
 Acq On : 9 Jun 2019 1:38  
 Operator : HP/JU  
 Sample : 8270PBBL1  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 8270PBBL1

Quant Time: Jun 10 05:17:02 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 29 18:39:57 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.10  | 152  | 41413    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 10.93 | 136  | 173464   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.74 | 164  | 129928   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.48 | 188  | 318677   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.76 | 240  | 312288   | 20.00  | ng    | -0.03    |
| 87) Perylene-d12            | 25.08 | 264  | 330303   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.64  | 112  | 311971   | 135.84 | ng    | -0.02    |
| 7) Phenol-d6                | 7.25  | 99   | 470245   | 132.58 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 326908   | 83.66  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.22 | 330  | 240259   | 124.56 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 13.36 | 172  | 815601   | 90.40  | ng    | -0.02    |
| 79) Terphenyl-d14           | 20.08 | 244  | 1349926  | 91.74  | ng    | -0.02    |

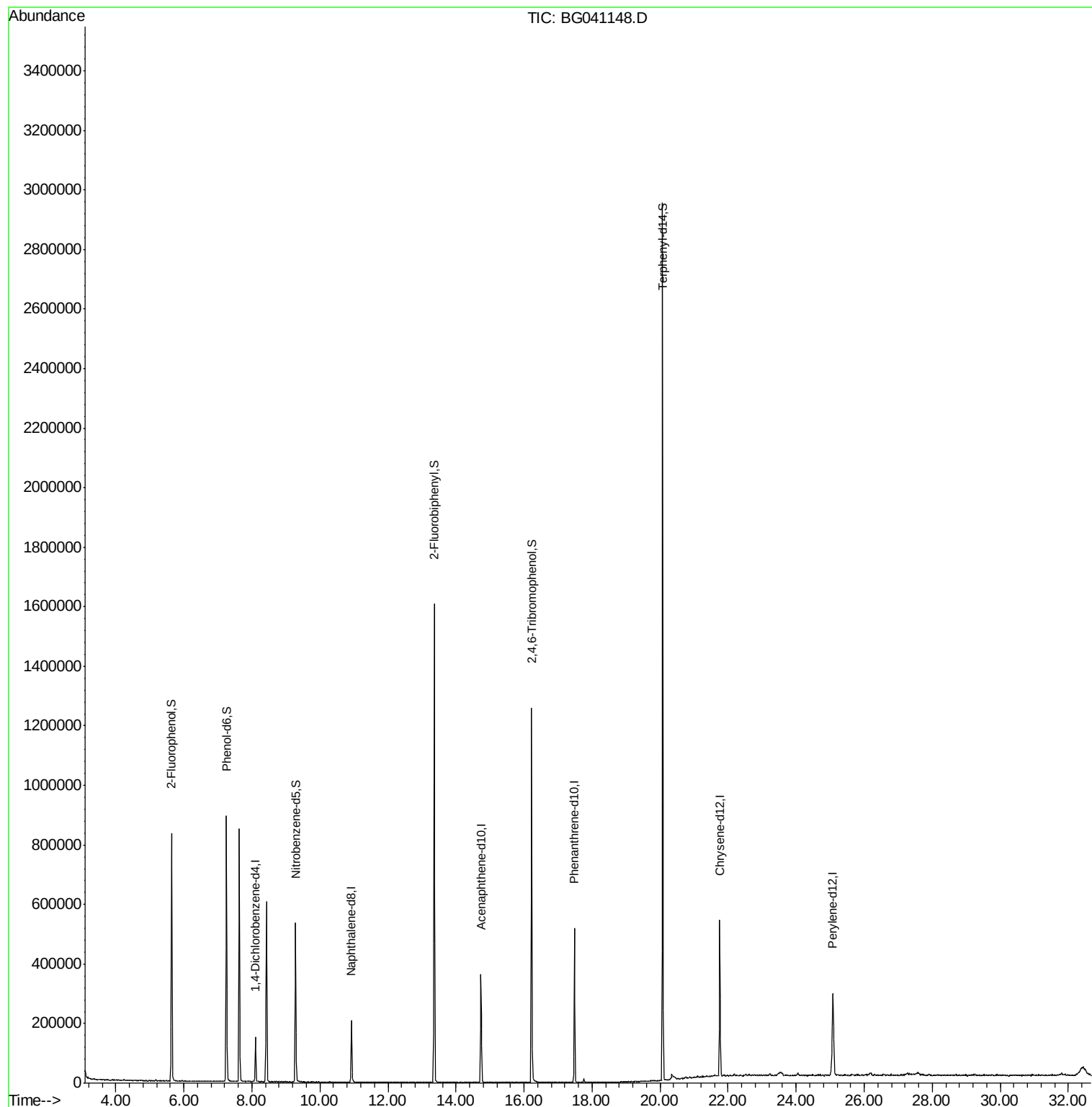
Target Compounds Qvalue

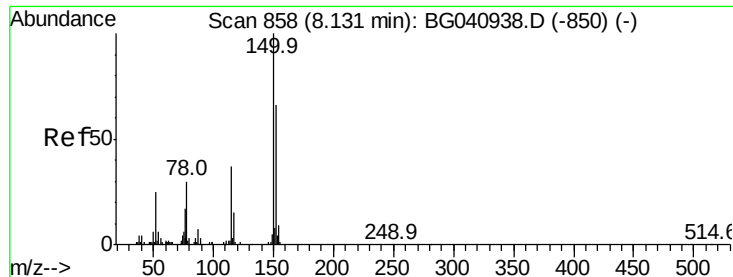
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
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8270PBBL1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 29 18:39:57 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.10 min Scan# 853

Delta R.T. -0.03 min

Lab File: BG041148.D

Acq: 9 Jun 2019 1:38

Instrument :

BNA\_G

ClientSampleId :

8270PBBL1

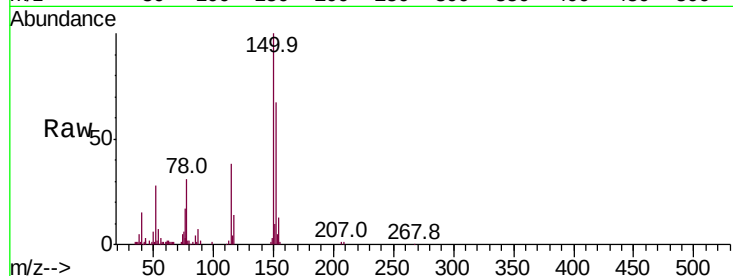
Tot Ion:152 Resp: 41413

Ion Ratio Lower Upper

152 100

150 148.2 120.6 180.8

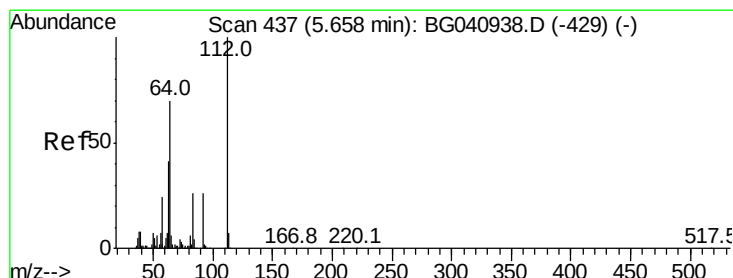
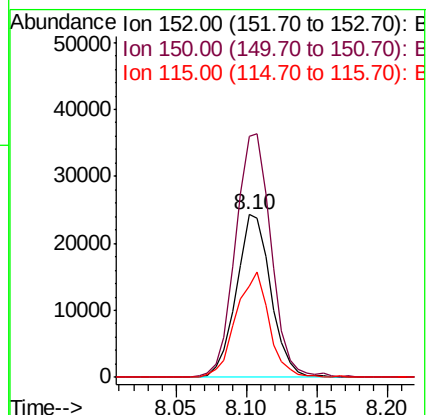
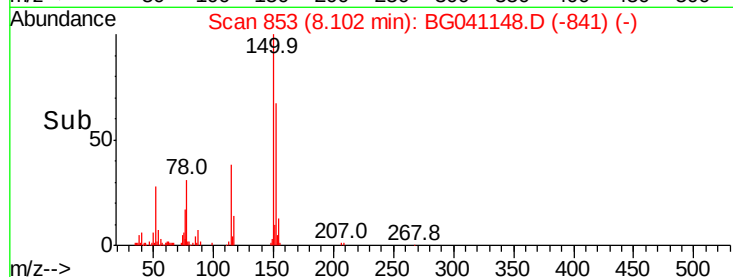
115 55.8 45.1 67.7



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: 135.839 ng

RT: 5.64 min Scan# 434

Delta R.T. -0.02 min

Lab File: BG041148.D

Acq: 9 Jun 2019 1:38

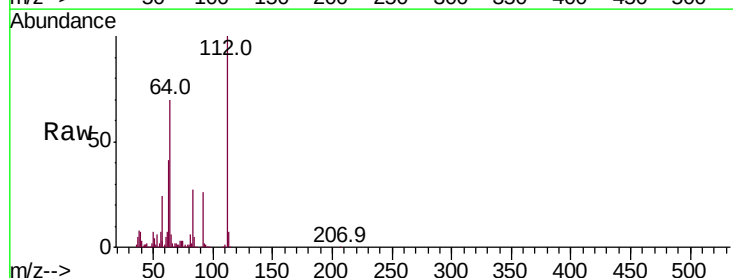
Tgt Ion:112 Resp: 311971

Ion Ratio Lower Upper

112 100

64 70.2 56.2 84.2

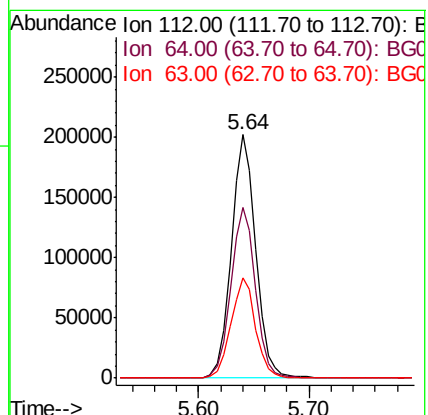
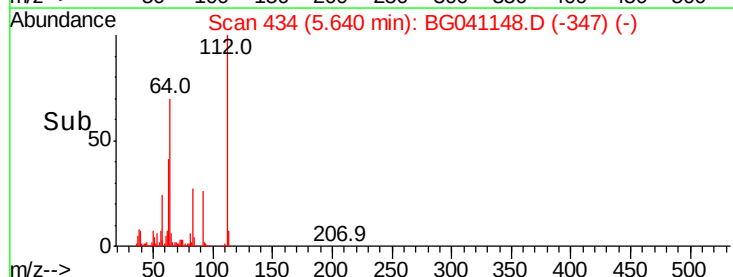
63 41.4 32.8 49.2

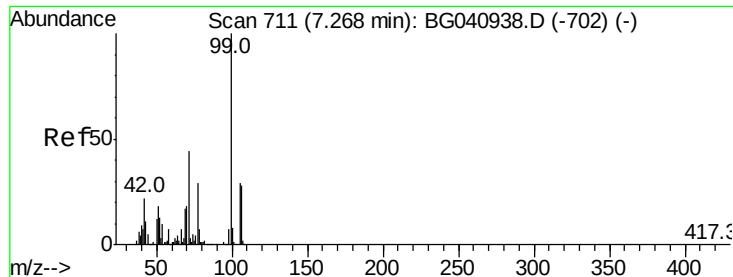


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 132.579 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.02 min

Lab File: BG041148.D

Acq: 9 Jun 2019 1:38

Instrument :

BNA\_G

ClientSampleId :

8270PBBL1

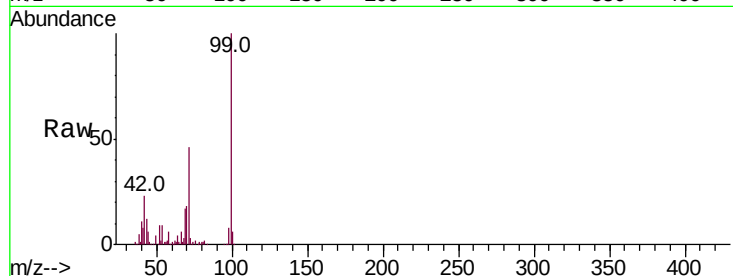
Tot Ion: 99 Resp: 470245

Ion Ratio Lower Upper

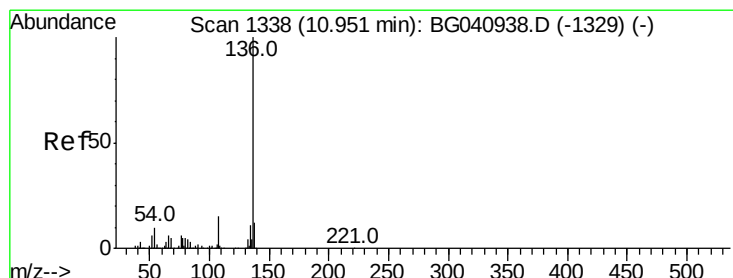
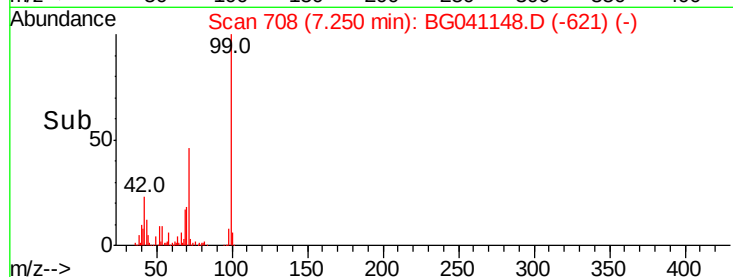
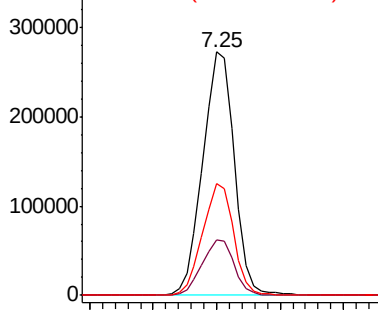
99 100

42 22.9 17.9 26.9

71 45.7 35.4 53.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.93 min Scan# 1334

Delta R.T. -0.02 min

Lab File: BG041148.D

Acq: 9 Jun 2019 1:38

Tgt Ion: 136 Resp: 173464

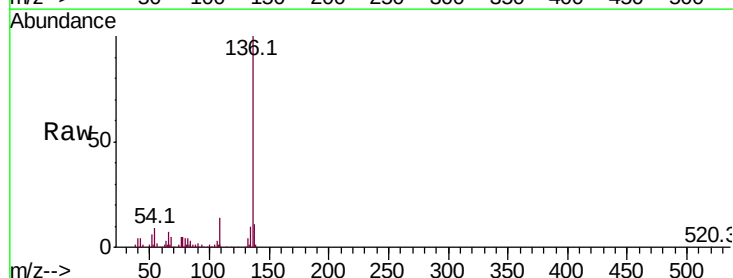
Ion Ratio Lower Upper

136 100

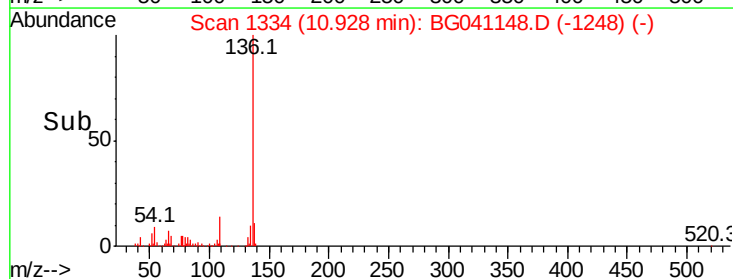
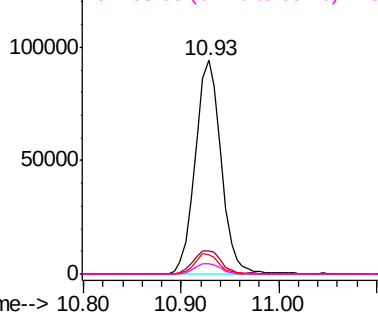
137 10.6 9.5 14.3

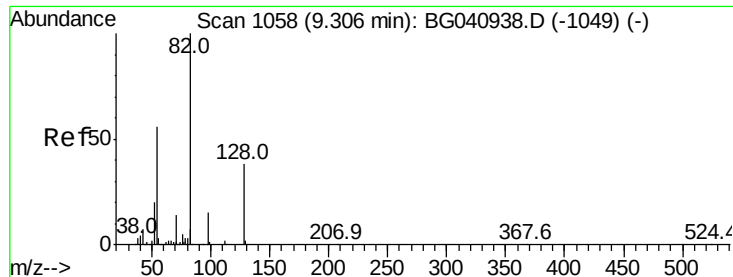
54 8.9 7.6 11.4

68 5.0 3.9 5.9



Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

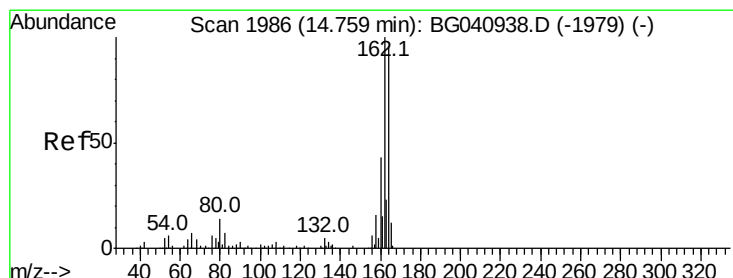
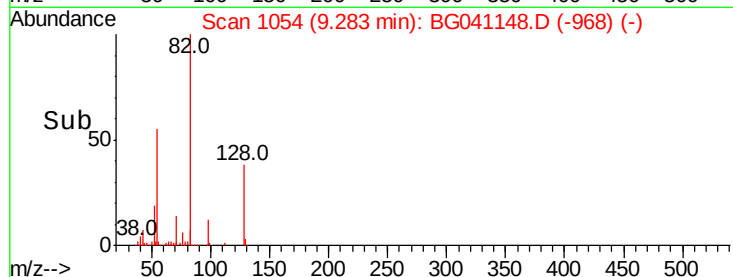
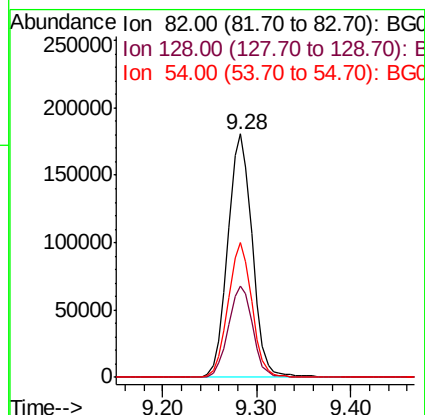
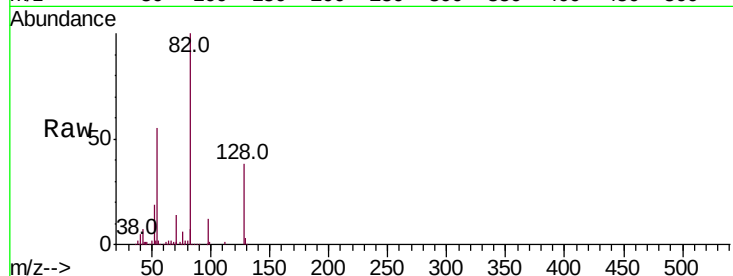




#23  
Nitrobenzene-d5  
Concen: 83.664 ng  
RT: 9.28 min Scan# 1054  
Delta R.T. -0.02 min  
Lab File: BG041148.D  
Acq: 9 Jun 2019 1:38

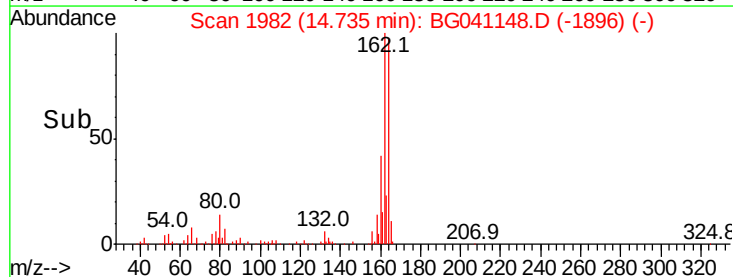
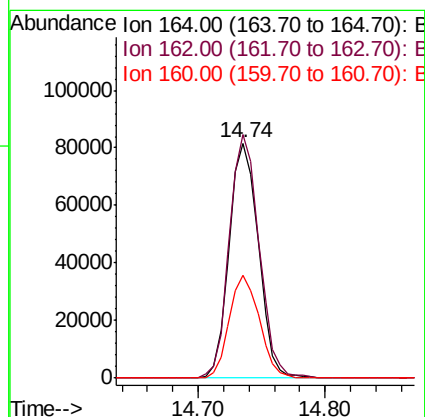
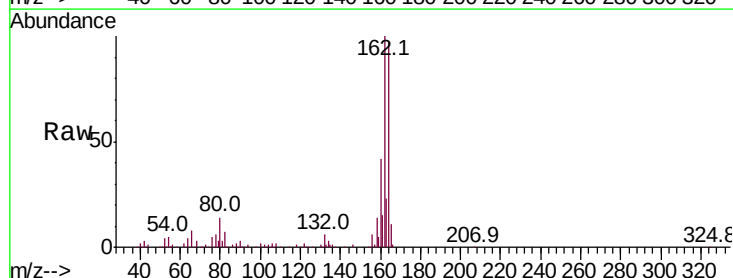
Instrument :  
BNA\_G  
ClientSampleId :  
8270PBBL1

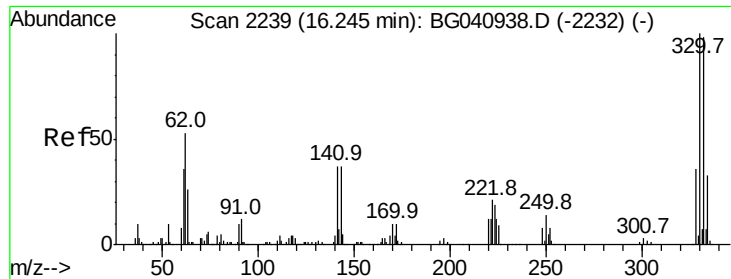
| Tot Ion   | 82   | Resp  | 326908 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 37.7 | 30.5  | 45.7   |
| 54        | 55.2 | 44.6  | 66.8   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.74 min Scan# 1982  
Delta R.T. -0.02 min  
Lab File: BG041148.D  
Acq: 9 Jun 2019 1:38

| Tgt Ion   | 164   | Resp  | 129928 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 103.5 | 83.0  | 124.4  |
| 160       | 43.8  | 35.6  | 53.4   |





#42

2,4,6-Tribromophenol

Concen: 124.559 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BG041148.D

Acq: 9 Jun 2019 1:38

Instrument :

BNA\_G

ClientSampleId :

8270PBBL1

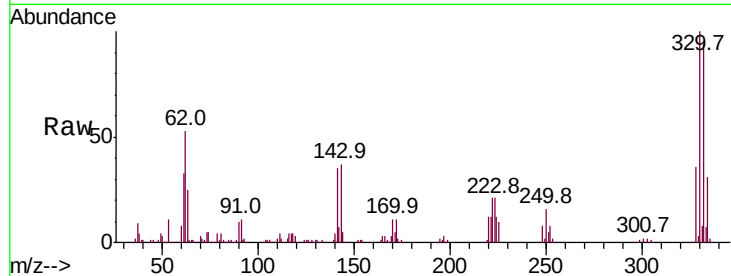
Tot Ion:330 Resp: 240259

Ion Ratio Lower Upper

330 100

332 96.6 78.5 117.7

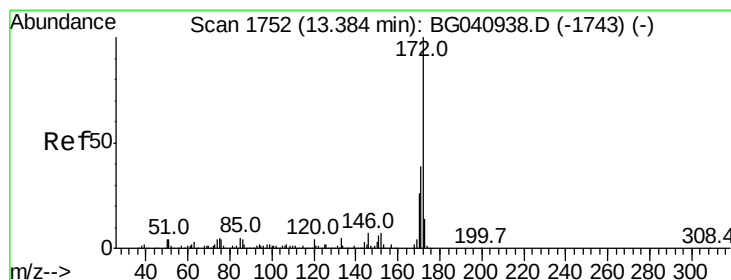
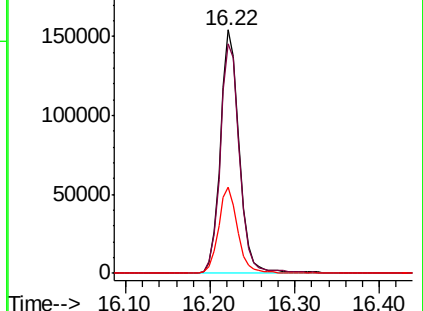
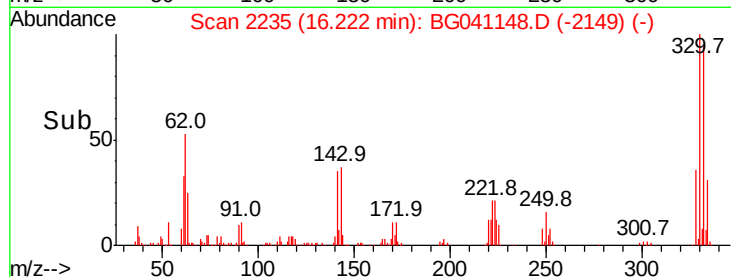
141 36.0 28.7 43.1



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: 90.400 ng

RT: 13.36 min Scan# 1748

Delta R.T. -0.02 min

Lab File: BG041148.D

Acq: 9 Jun 2019 1:38

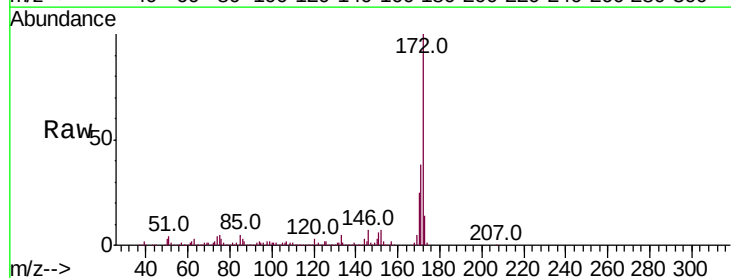
Tgt Ion:172 Resp: 815601

Ion Ratio Lower Upper

172 100

171 38.2 31.1 46.7

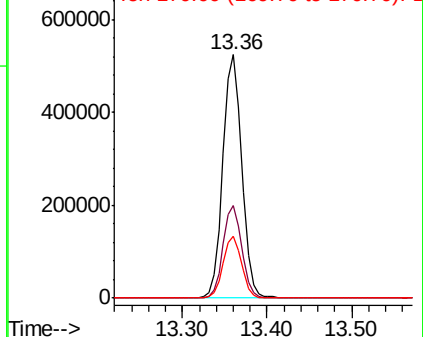
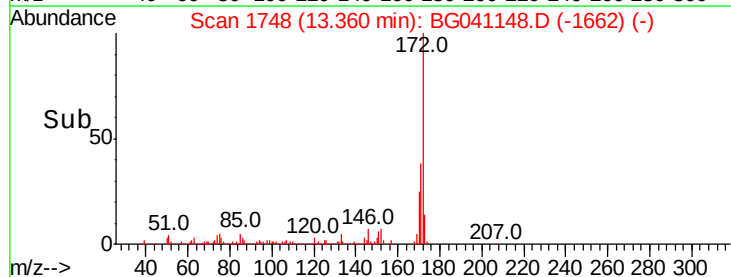
170 25.3 20.5 30.7

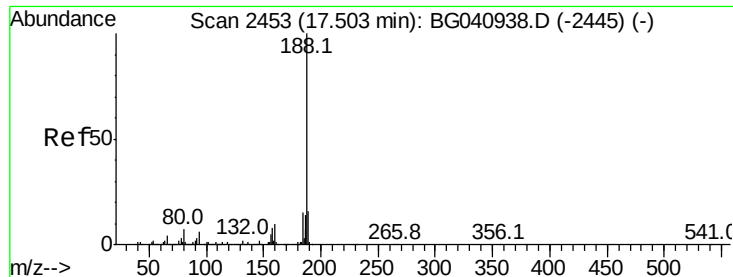


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

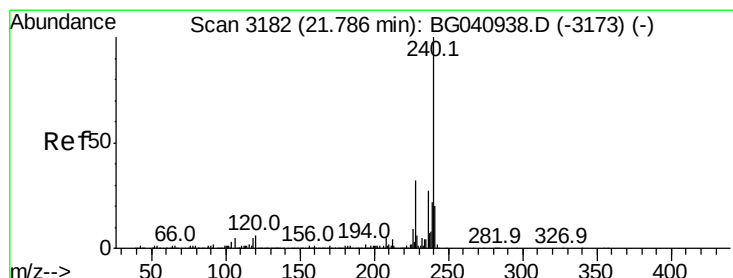
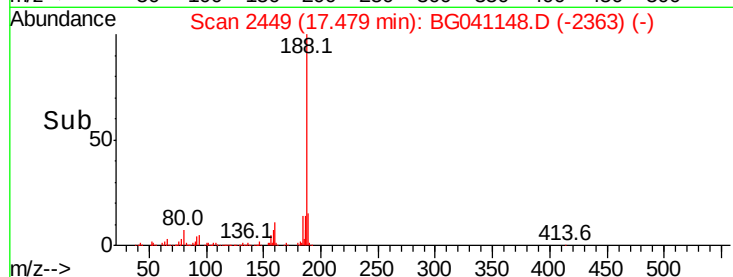
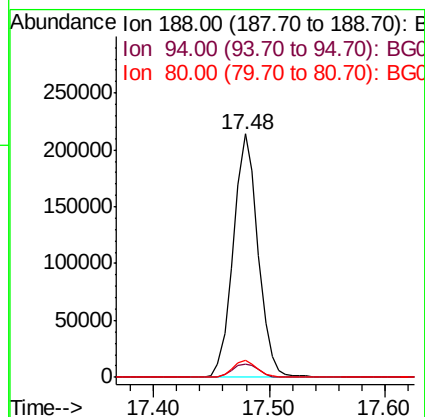
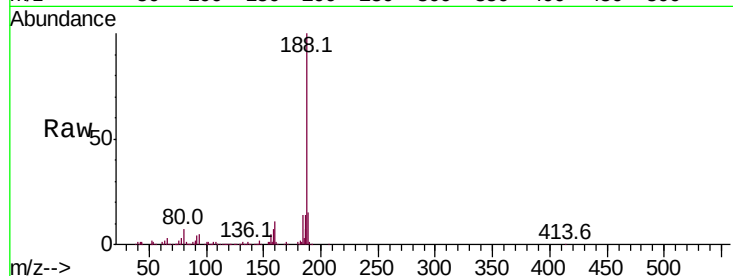




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.48 min Scan# 2449  
Delta R.T. -0.02 min  
Lab File: BG041148.D  
Acq: 9 Jun 2019 1:38

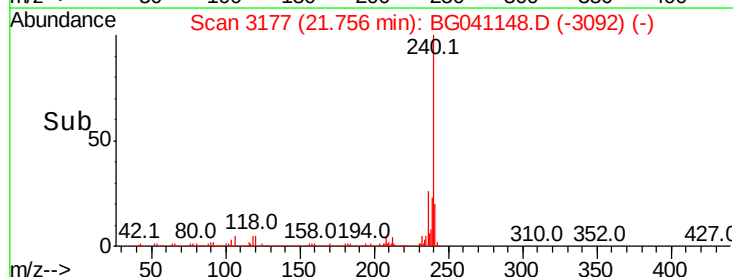
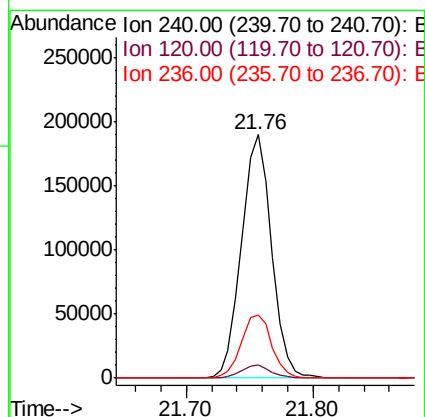
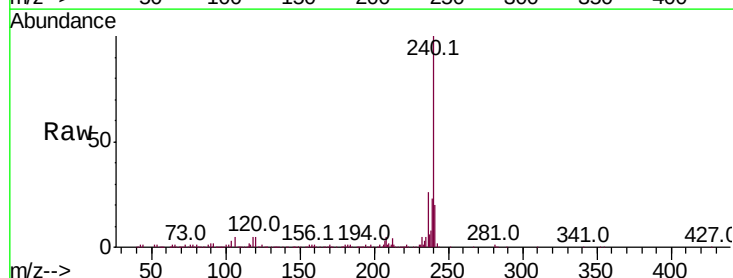
Instrument :  
BNA\_G  
ClientSampled :  
8270PBBL1

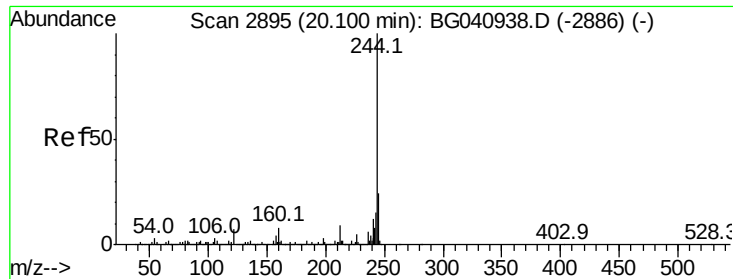
Tot Ion:188 Resp: 318677  
Ion Ratio Lower Upper  
188 100  
94 5.2 4.7 7.1  
80 7.1 5.8 8.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.76 min Scan# 3177  
Delta R.T. -0.03 min  
Lab File: BG041148.D  
Acq: 9 Jun 2019 1:38

Tgt Ion:240 Resp: 312288  
Ion Ratio Lower Upper  
240 100  
120 5.5 4.5 6.7  
236 25.7 21.3 31.9





#79

Terphenyl-d14

Concen: 91.742 ng

RT: 20.08 min Scan# 2891

Delta R.T. -0.02 min

Lab File: BG041148.D

Acq: 9 Jun 2019 1:38

Instrument :

BNA\_G

ClientSampleId :

8270PBBL1

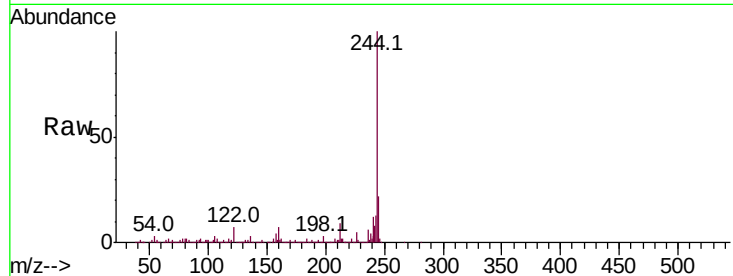
Tot Ion:244 Resp: 1349926

Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.4

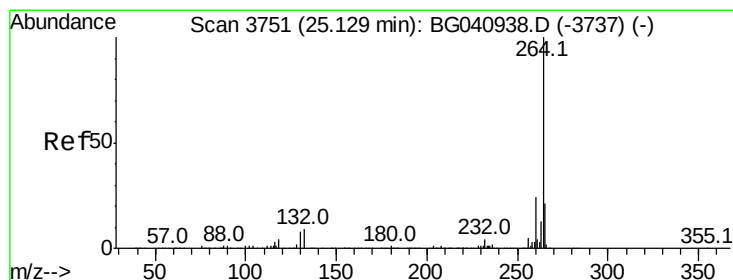
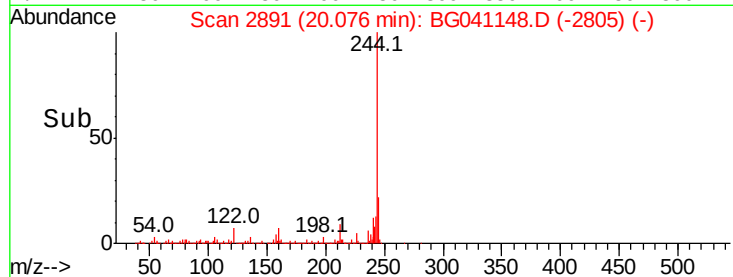
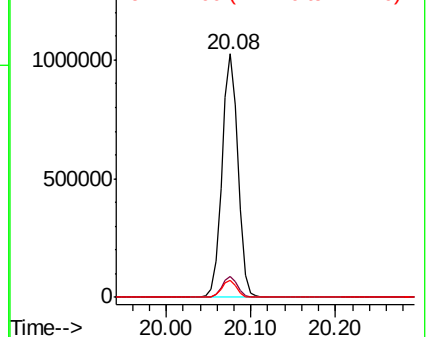
122 6.9 5.4 8.0



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: 25.08 min Scan# 3743

Delta R.T. -0.05 min

Lab File: BG041148.D

Acq: 9 Jun 2019 1:38

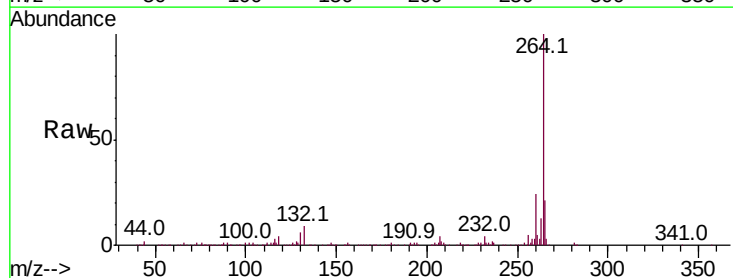
Tgt Ion:264 Resp: 330303

Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.4

265 21.1 17.0 25.4



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

