

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG093019\  
 Data File : BG042948.D  
 Acq On : 30 Sep 2019 18:17  
 Operator : JU  
 Sample : K5083-05  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 20190704-RR-COMPOSITE-4

Quant Time: Oct 01 07:45:22 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 25 15:35:52 2019  
 Response via : Initial Calibration

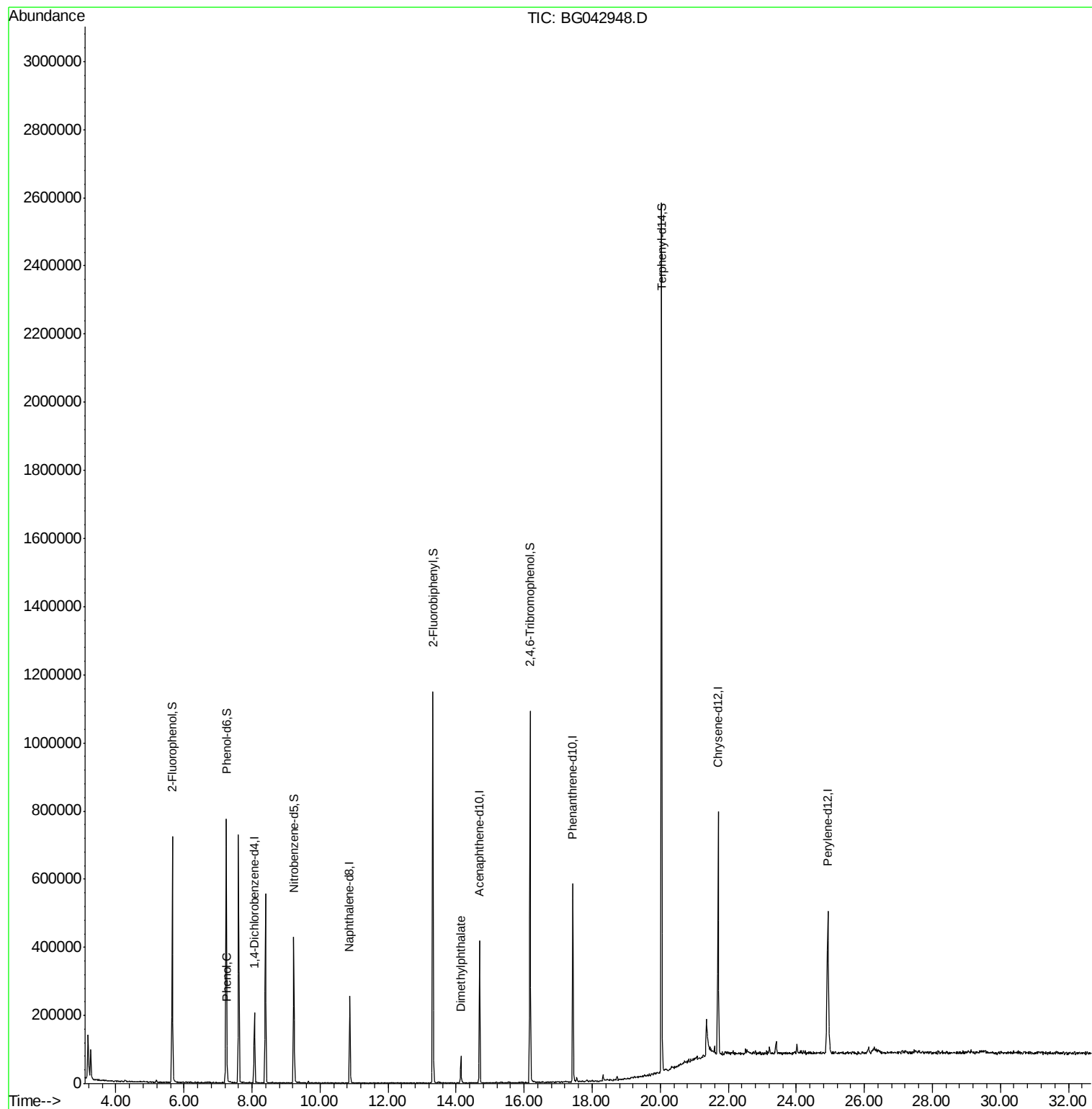
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.07  | 152  | 57446    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.87 | 136  | 210665   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.69 | 164  | 151473   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.43 | 188  | 364923   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.70 | 240  | 450196   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12            | 24.93 | 264  | 508018   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.65  | 112  | 291312   | 90.50 | ng    | 0.00     |
| 7) Phenol-d6                | 7.24  | 99   | 425798   | 91.86 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.23  | 82   | 266227   | 61.42 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.17 | 330  | 227460   | 87.33 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.32 | 172  | 621085   | 59.44 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.04 | 244  | 1271335  | 60.18 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 7.27  | 94   | 9969     | 2.344 | ng    | 92       |
| 50) Dimethylphthalate       | 14.14 | 163  | 52397    | 4.617 | ng    | # 93     |

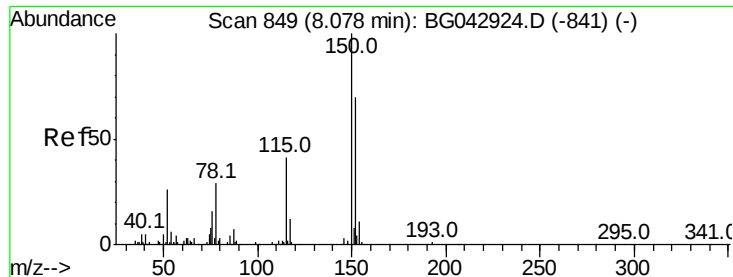
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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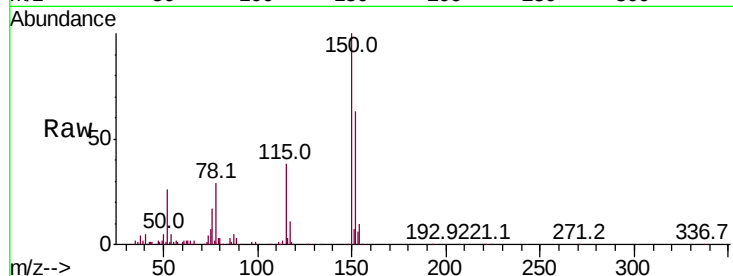


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.07 min Scan# 848  
Delta R.T. -0.01 min  
Lab File: BG042948.D  
Acq: 30 Sep 2019 18:17

Instrument :  
BNA\_G  
ClientSampleId :  
20190704-RR-COMPOSITE-4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.7 | 115.0 | 172.4 |
| 115     | 59.4  | 47.0  | 70.6  |

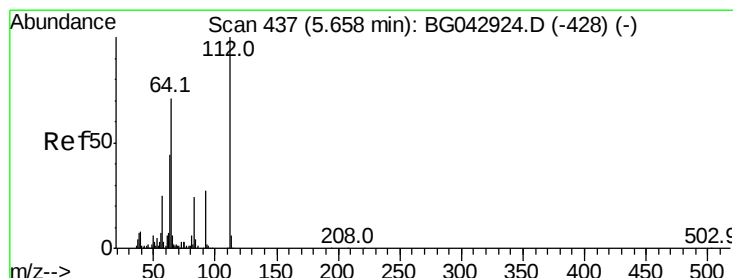
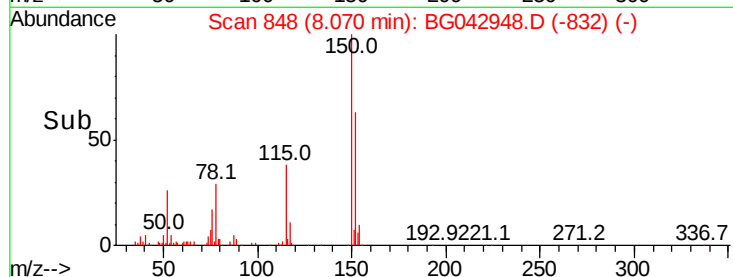
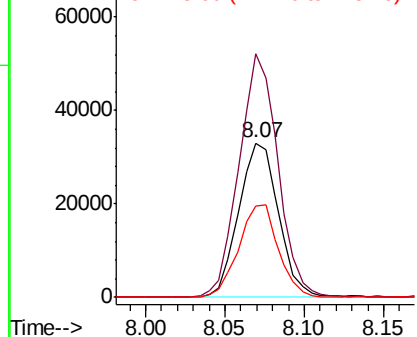


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

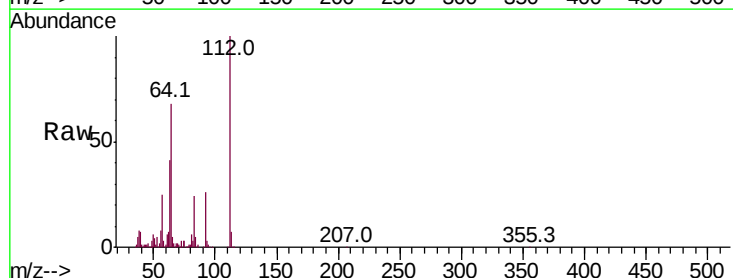
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 90.499 ng  
RT: 5.65 min Scan# 437  
Delta R.T. -0.00 min  
Lab File: BG042948.D  
Acq: 30 Sep 2019 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 68.1  | 56.6  | 84.8  |
| 63      | 40.5  | 35.1  | 52.7  |

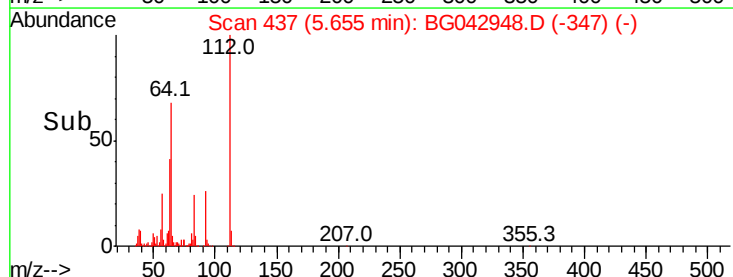
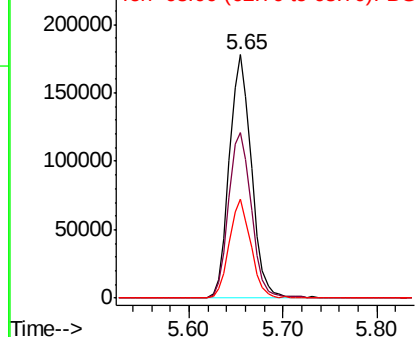


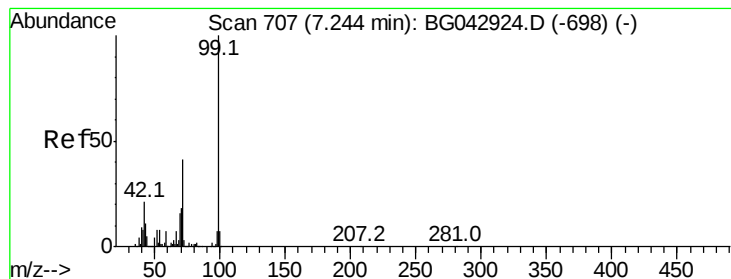
Abundance

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: 91.856 ng

RT: 7.24 min Scan# 707

Delta R.T. -0.00 min

Lab File: BG042948.D

Acq: 30 Sep 2019 18:17

Instrument :

BNA\_G

ClientSampleId :

20190704-RR-COMPOSITE-4

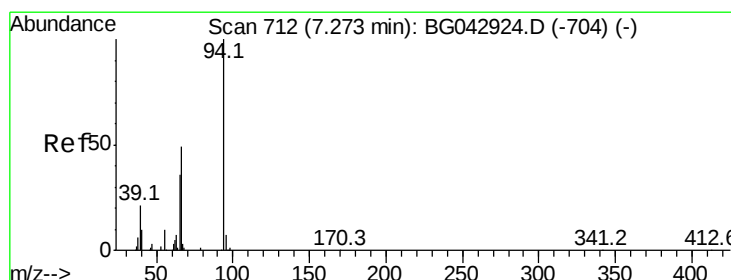
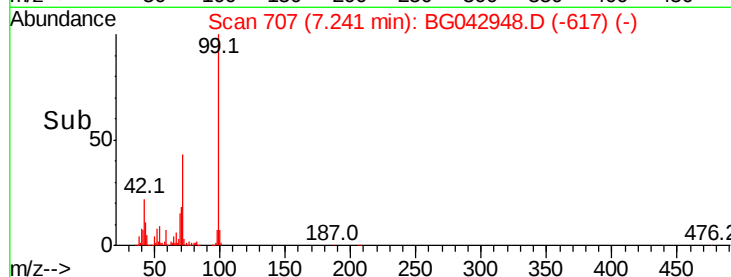
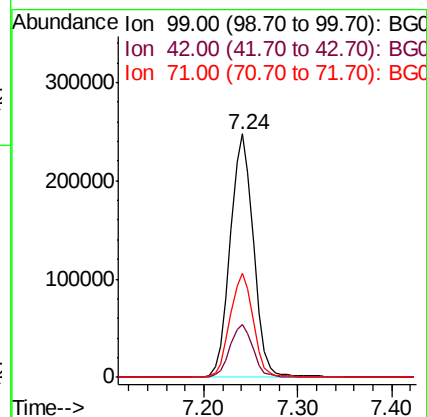
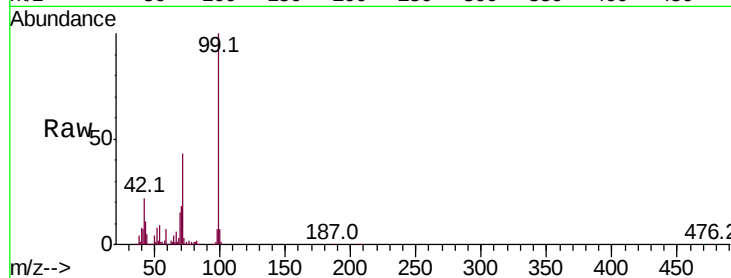
Tot Ion: 99 Resp: 425798

Ion Ratio Lower Upper

99 100

42 21.6 17.2 25.8

71 43.0 33.1 49.7



#10

Phenol

Concen: 2.344 ng

RT: 7.27 min Scan# 712

Delta R.T. -0.00 min

Lab File: BG042948.D

Acq: 30 Sep 2019 18:17

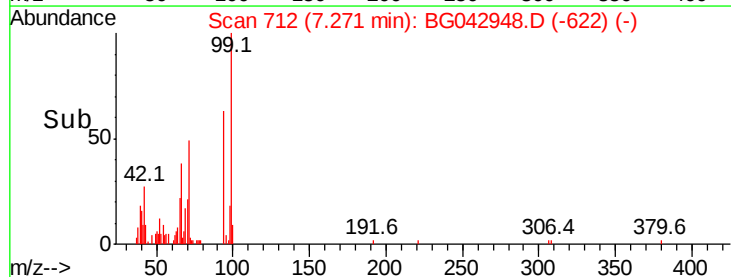
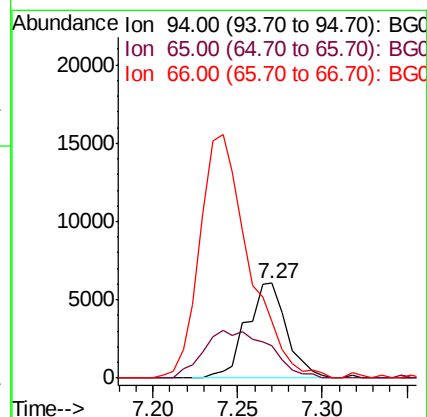
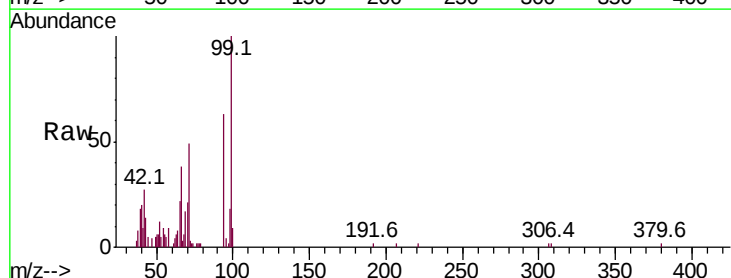
Tgt Ion: 94 Resp: 9969

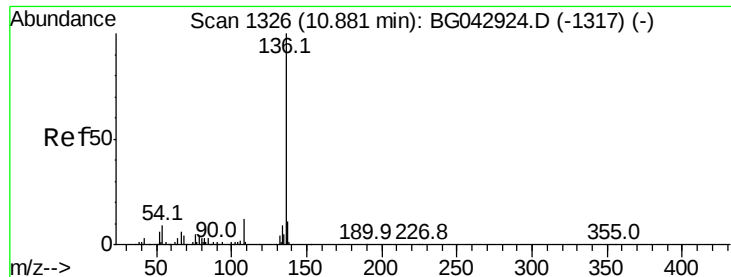
Ion Ratio Lower Upper

94 100

65 34.5 16.6 56.6

66 60.1 32.4 72.4

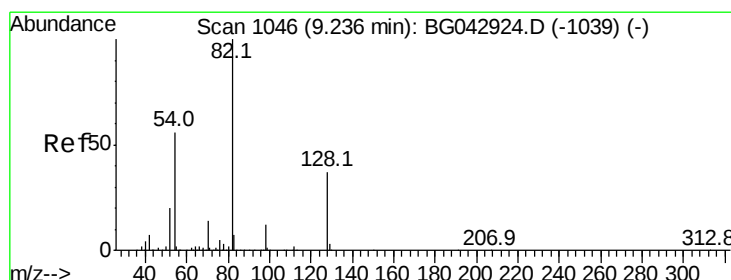
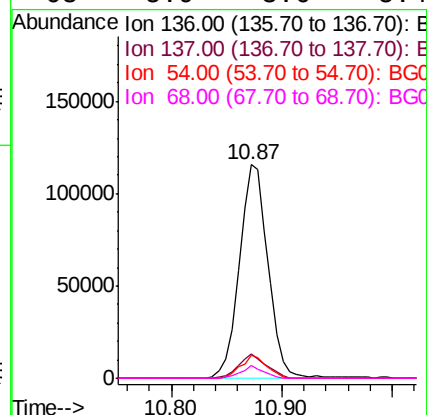
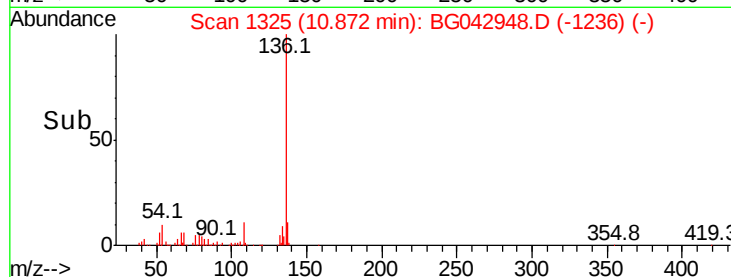
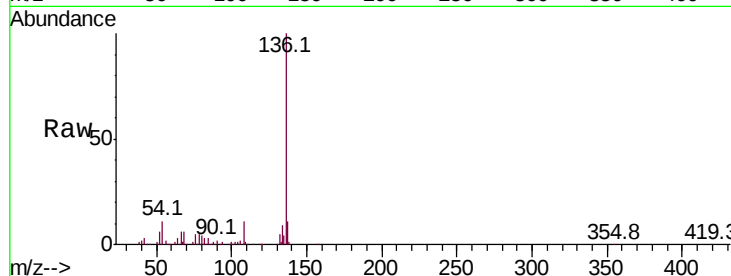




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.87 min Scan# 1325  
Delta R.T. -0.01 min  
Lab File: BG042948.D  
Acq: 30 Sep 2019 18:17

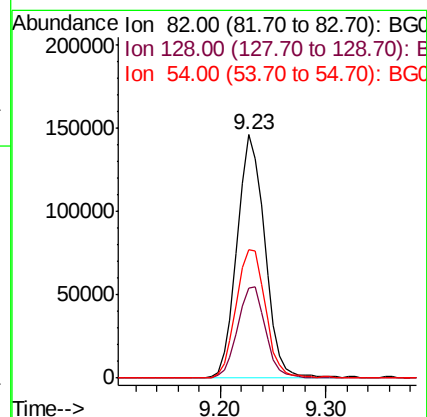
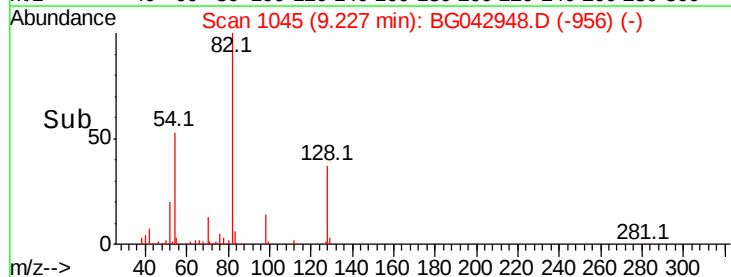
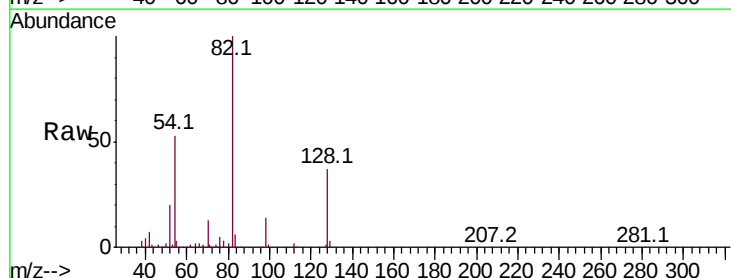
Instrument :  
BNA\_G  
ClientSampleId :  
20190704-RR-COMPOSITE-4

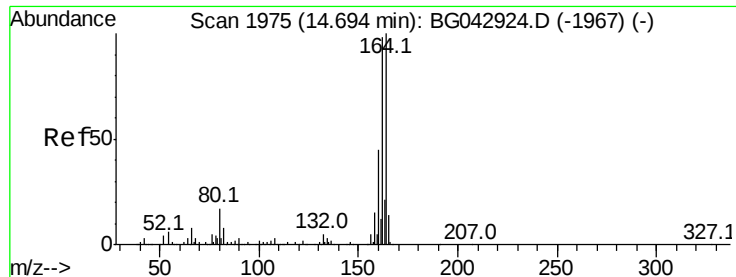
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 210665   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.3  | 8.5 12.7 |
| 54          | 10.6  | 7.4 11.2 |
| 68          | 5.9   | 3.6 5.4# |



#23  
Nitrobenzene-d5  
Concen: 61.425 ng  
RT: 9.23 min Scan# 1045  
Delta R.T. -0.01 min  
Lab File: BG042948.D  
Acq: 30 Sep 2019 18:17

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 266227    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 36.9  | 29.5 44.3 |
| 54          | 52.5  | 44.6 67.0 |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG042948.D

Acq: 30 Sep 2019 18:17

Instrument :

BNA\_G

ClientSampleId :

20190704-RR-COMPOSITE-4

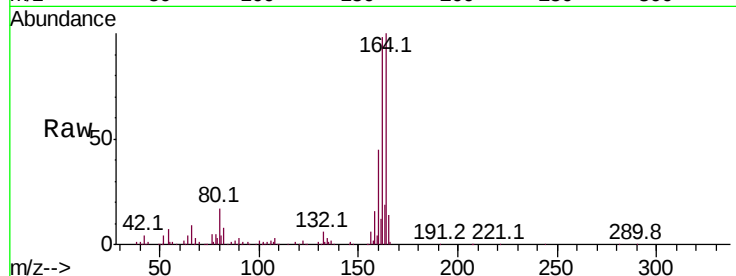
Tot Ion:164 Resp: 151473

Ion Ratio Lower Upper

164 100

162 97.8 78.5 117.7

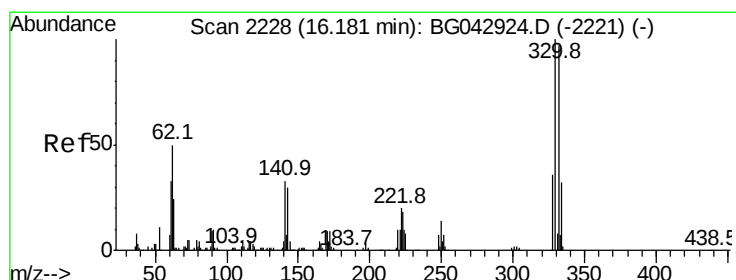
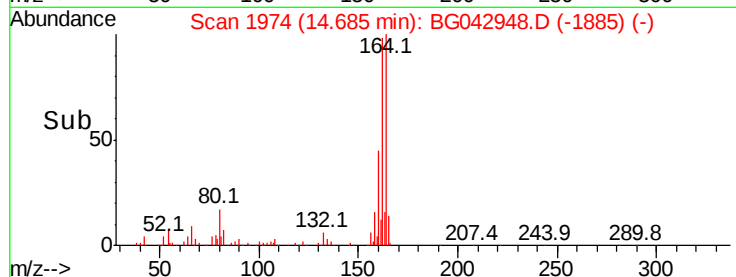
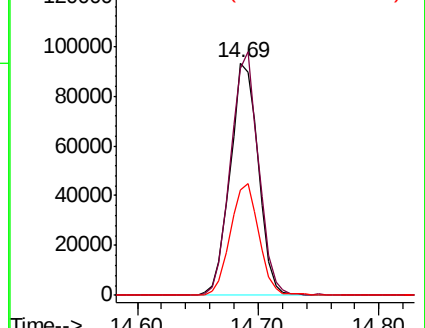
160 45.1 35.9 53.9



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: 87.328 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG042948.D

Acq: 30 Sep 2019 18:17

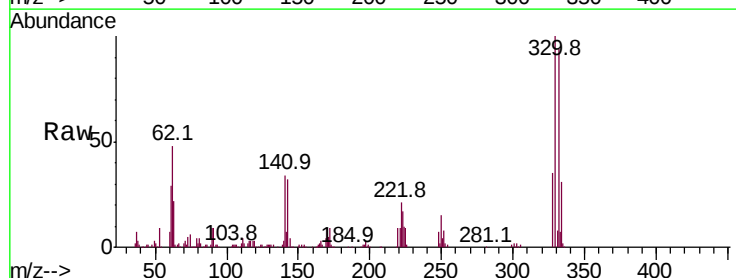
Tgt Ion:330 Resp: 227460

Ion Ratio Lower Upper

330 100

332 95.0 78.2 117.2

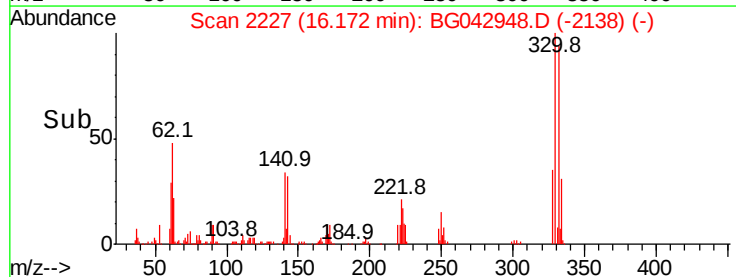
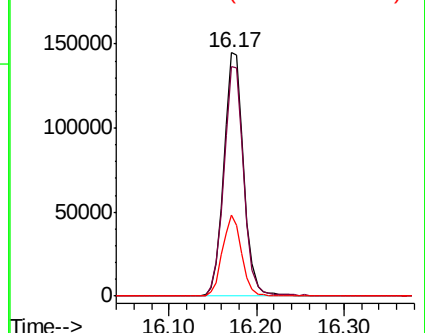
141 32.1 26.0 39.0

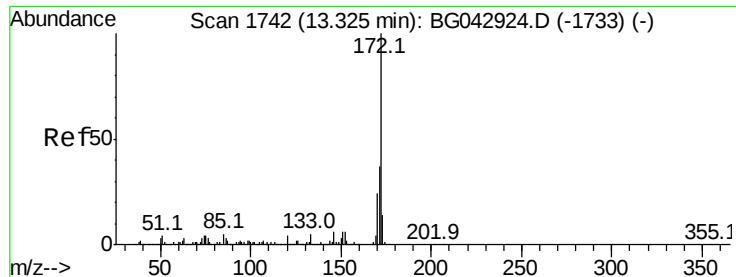


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

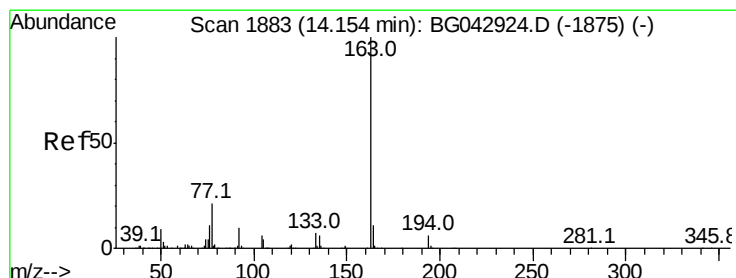
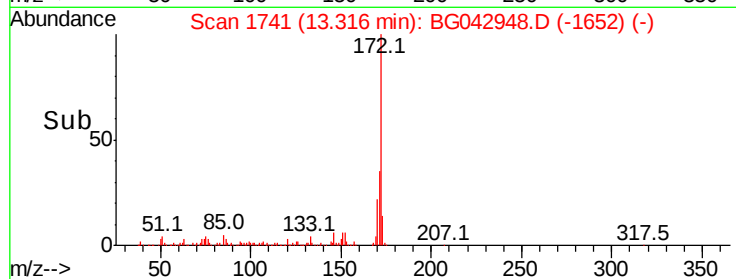
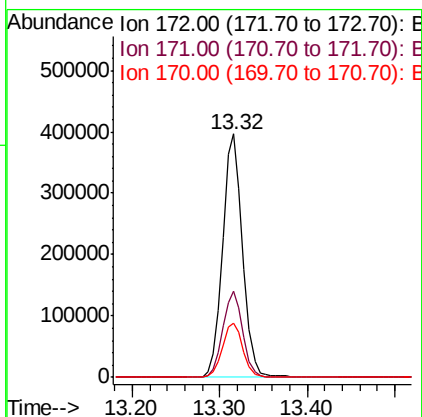
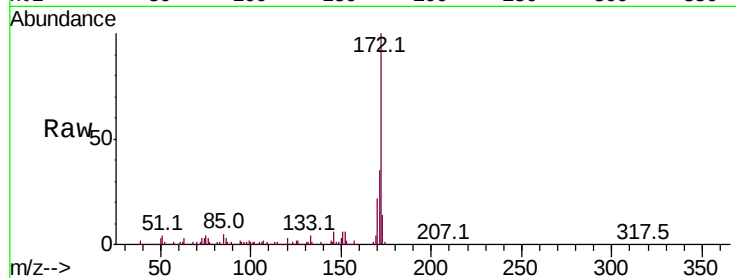




#45  
 2-Fluorobiphenyl  
 Concen: 59.442 ng  
 RT: 13.32 min Scan# 1741  
 Delta R.T. -0.01 min  
 Lab File: BG042948.D  
 Acq: 30 Sep 2019 18:17

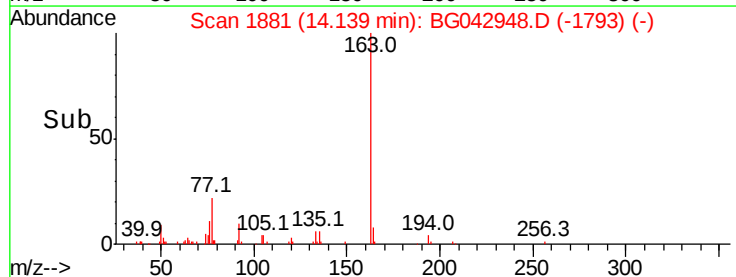
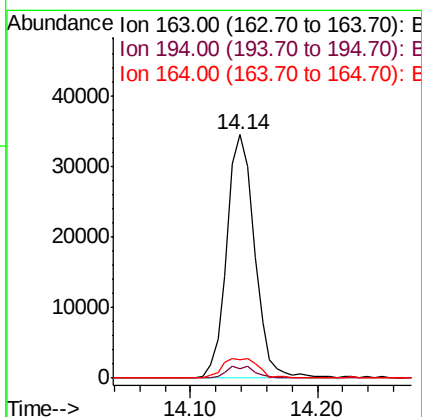
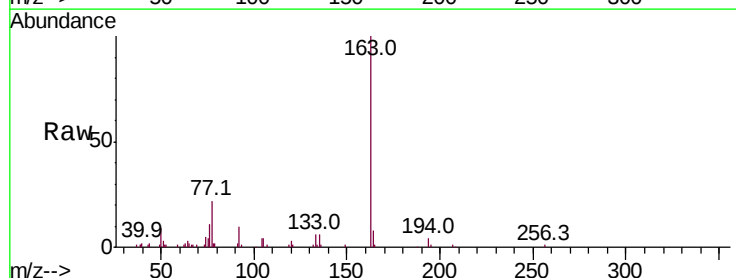
Instrument :  
 BNA\_G  
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 20190704-RR-COMPOSITE-4

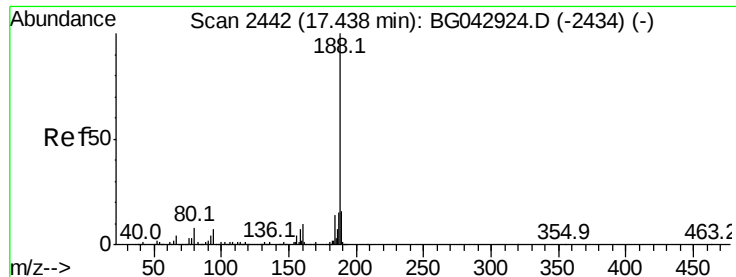
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.2  | 29.6  | 44.4  |
| 170     | 22.1  | 19.6  | 29.4  |



#50  
 Dimethylphthalate  
 Concen: 4.617 ng  
 RT: 14.14 min Scan# 1881  
 Delta R.T. -0.01 min  
 Lab File: BG042948.D  
 Acq: 30 Sep 2019 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.7   | 4.4   | 6.6#  |
| 164     | 7.6   | 8.6   | 12.8# |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG042948.D

Acq: 30 Sep 2019 18:17

Instrument :

BNA\_G

ClientSampleId :

20190704-RR-COMPOSITE-4

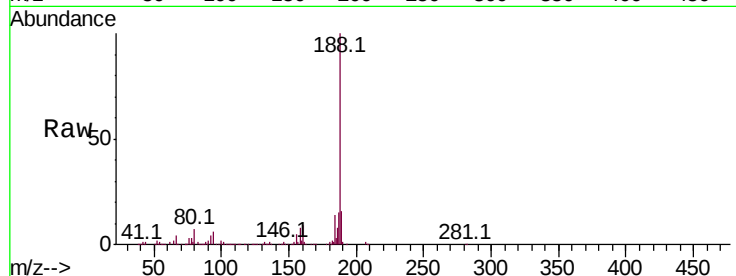
Tot Ion:188 Resp: 364923

Ion Ratio Lower Upper

188 100

94 5.9 5.7 8.5

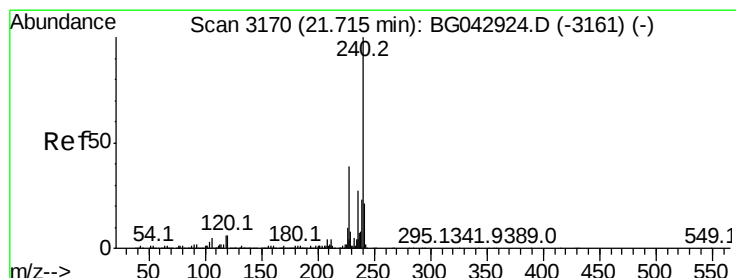
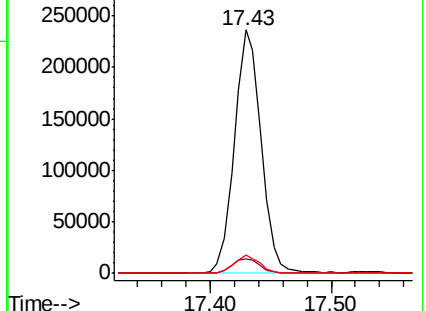
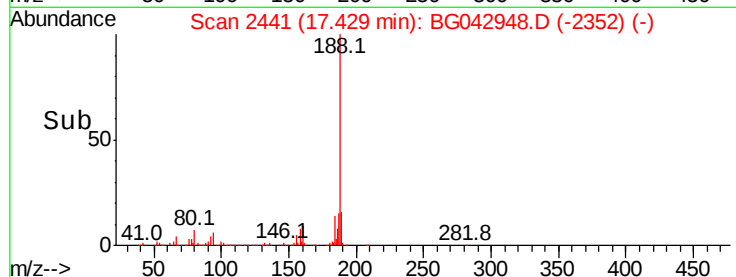
80 7.4 6.5 9.7



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: 21.70 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BG042948.D

Acq: 30 Sep 2019 18:17

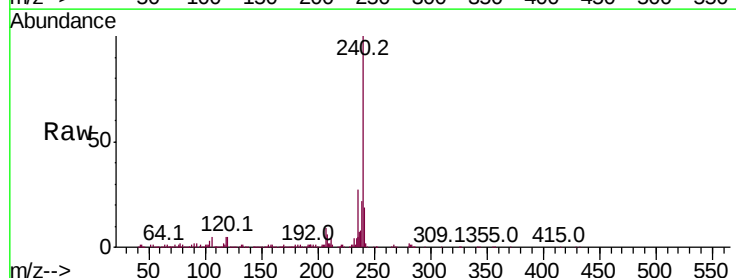
Tgt Ion:240 Resp: 450196

Ion Ratio Lower Upper

240 100

120 4.6 4.8 7.2#

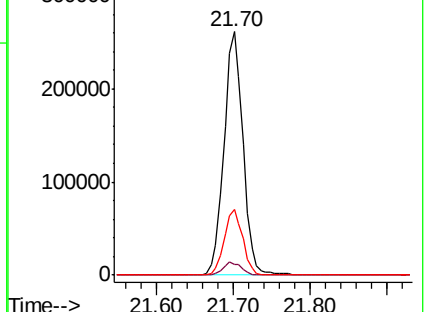
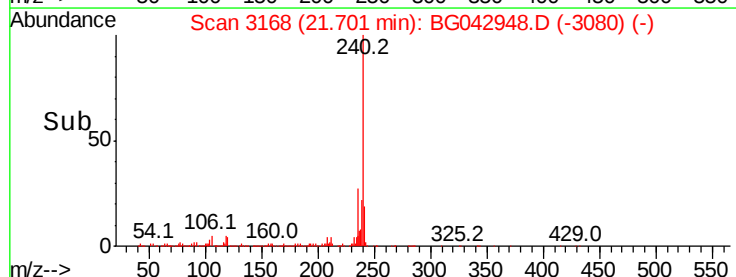
236 27.2 21.4 32.0

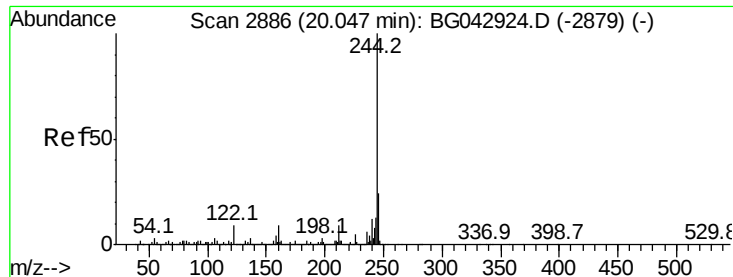


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 60.175 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG042948.D

Acq: 30 Sep 2019 18:17

Instrument :

BNA\_G

ClientSampleId :

20190704-RR-COMPOSITE-4

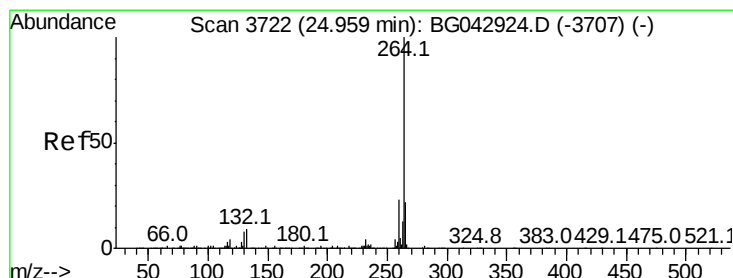
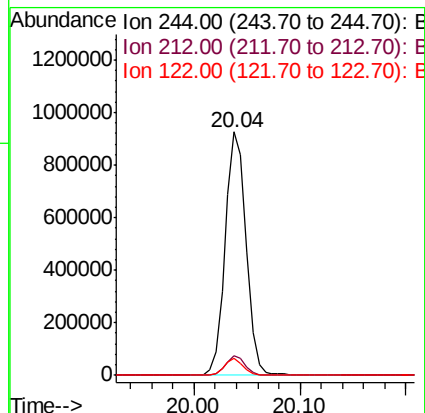
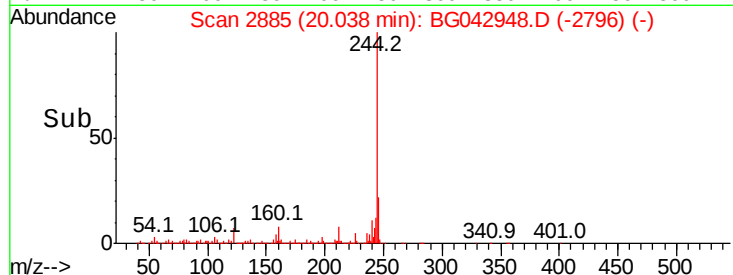
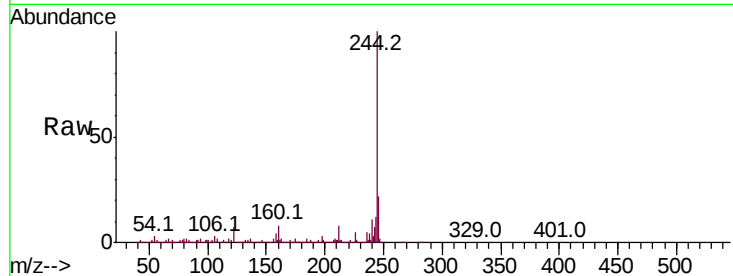
Tot Ion:244 Resp: 1271335

Ion Ratio Lower Upper

244 100

212 7.9 7.4 11.0

122 7.2 7.0 10.4



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3717

Delta R.T. -0.03 min

Lab File: BG042948.D

Acq: 30 Sep 2019 18:17

Tgt Ion:264 Resp: 508018

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

265 22.4 17.7 26.5

