

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG040119\  
 Data File : BG040272.D  
 Acq On : 1 Apr 2019 19:37  
 Operator : JU/SJ  
 Sample : K2186-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-TRACK-86-87-SOIL

Quant Time: Apr 02 02:55:37 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG032719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 28 05:47:00 2019  
 Response via : Initial Calibration

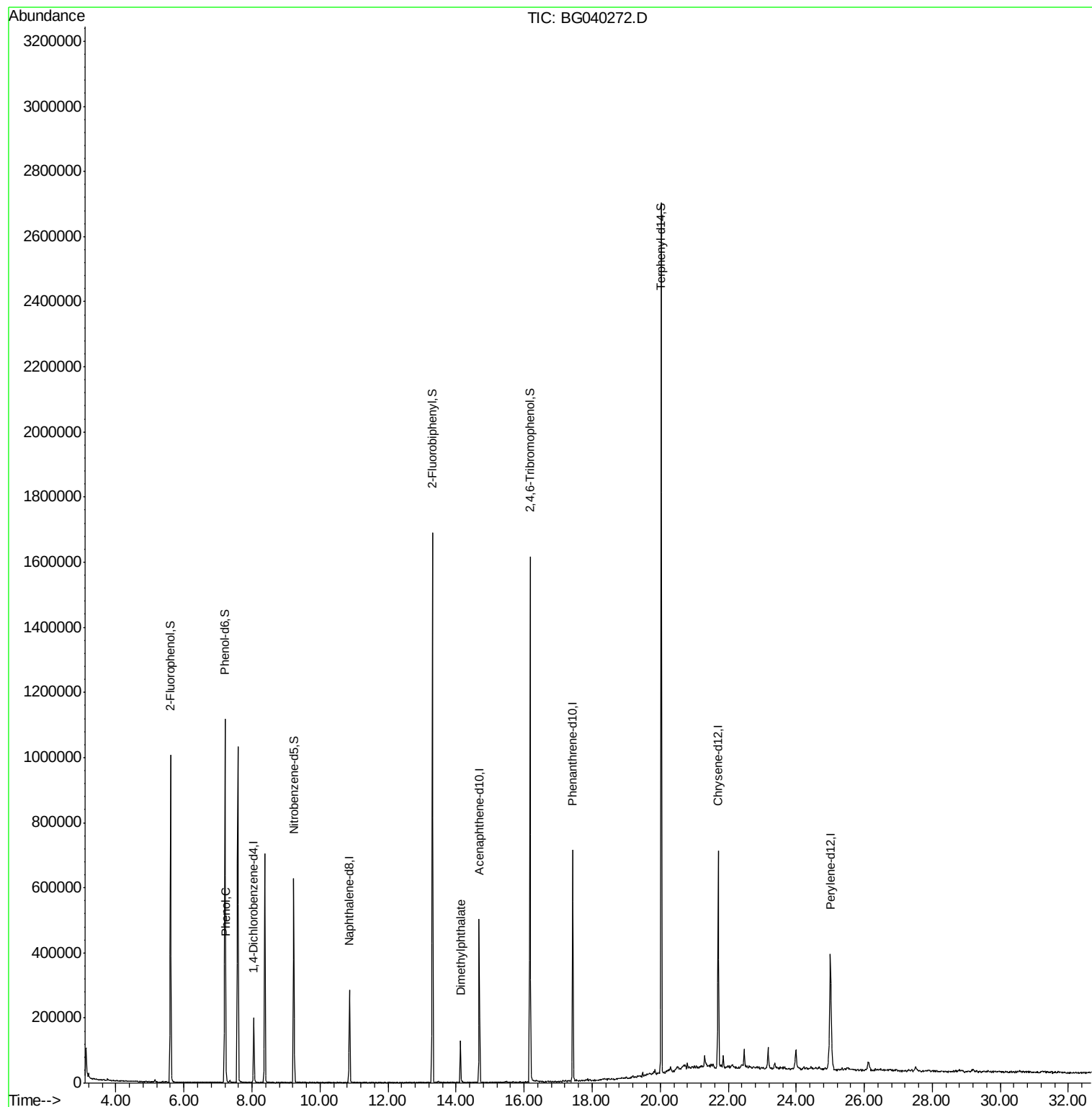
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.05  | 152  | 55993    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.87 | 136  | 242345   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.68 | 164  | 172443   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.43 | 188  | 443427   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.71 | 240  | 410479   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 25.01 | 264  | 415804   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 449685   | 133.51 | ng    | -0.02    |
| 7) Phenol-d6                | 7.21  | 99   | 662295   | 142.28 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.23  | 82   | 379280   | 83.19  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.17 | 330  | 291312   | 156.31 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 13.31 | 172  | 894576   | 76.87  | ng    | -0.02    |
| 79) Terphenyl-d14           | 20.03 | 244  | 1307325  | 71.65  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.23  | 94   | 20424    | 4.042  | ng    | 91       |
| 50) Dimethylphthalate       | 14.13 | 163  | 85339    | 6.323  | ng    | 98       |

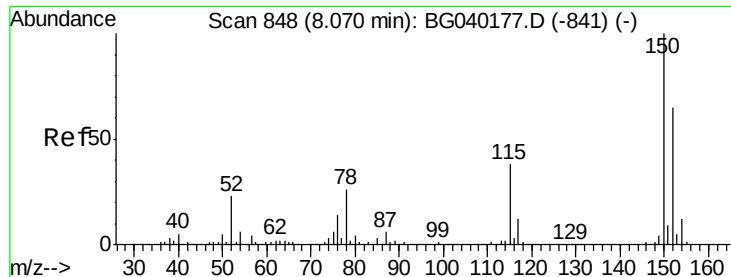
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TP-TRACK-86-87-SOIL

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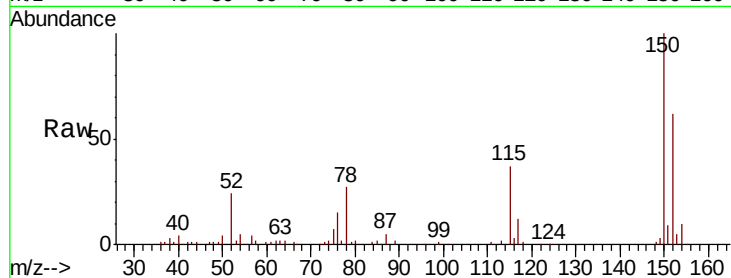


#1

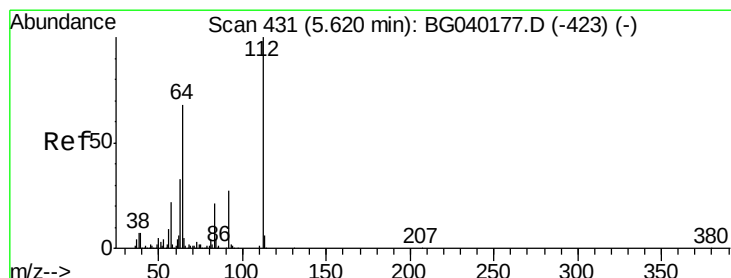
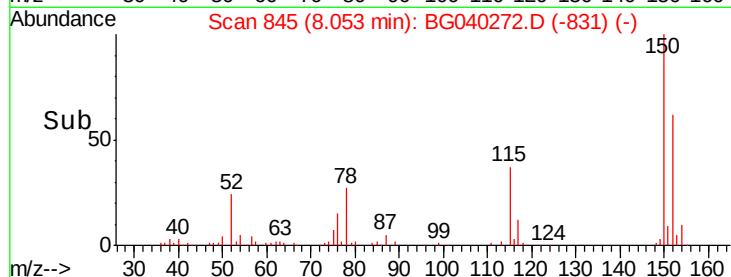
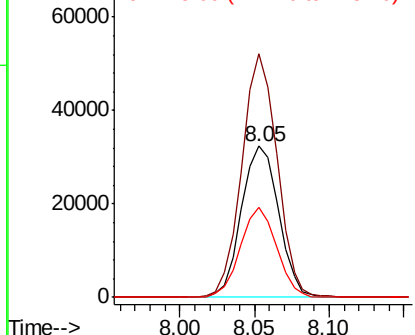
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.05 min Scan# 845  
Delta R.T. -0.02 min  
Lab File: BG040272.D  
Acq: 1 Apr 2019 19:37

Instrument :  
BNA\_G  
ClientSampleId :  
TP-TRACK-86-87-SOIL

Tgt Ion:152 Resp: 55993  
Ion Ratio Lower Upper  
152 100  
150 161.0 123.7 185.5  
115 59.9 46.9 70.3



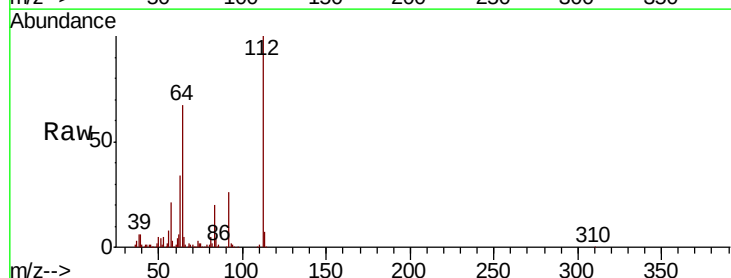
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



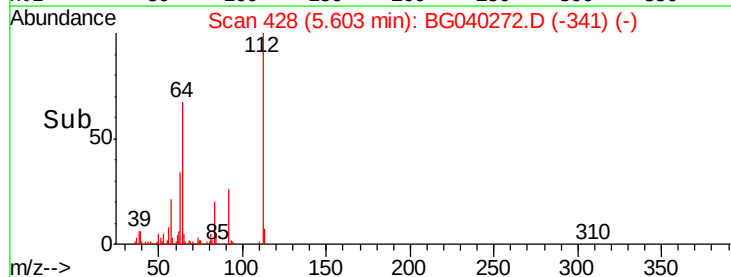
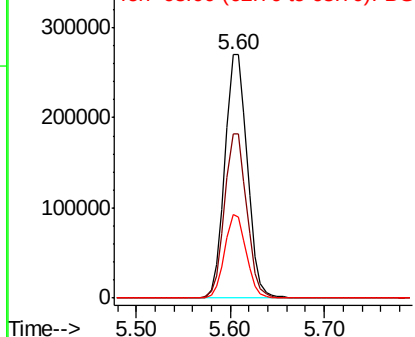
#5

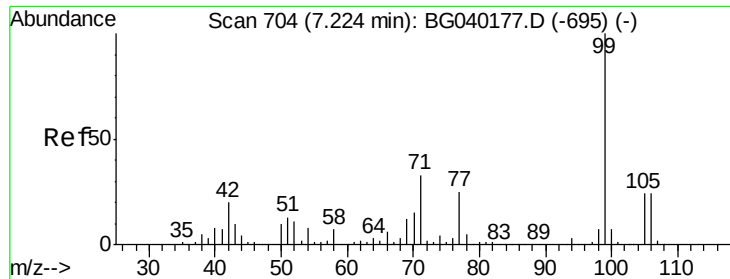
2-Fluorophenol  
Concen: 133.510 ng  
RT: 5.60 min Scan# 428  
Delta R.T. -0.02 min  
Lab File: BG040272.D  
Acq: 1 Apr 2019 19:37

Tgt Ion:112 Resp: 449685  
Ion Ratio Lower Upper  
112 100  
64 67.4 54.2 81.2  
63 34.1 26.4 39.6



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: 142.280 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.02 min

Lab File: BG040272.D

Acq: 1 Apr 2019 19:37

Instrument :

BNA\_G

ClientSampleId :

TP-TRACK-86-87-SOIL

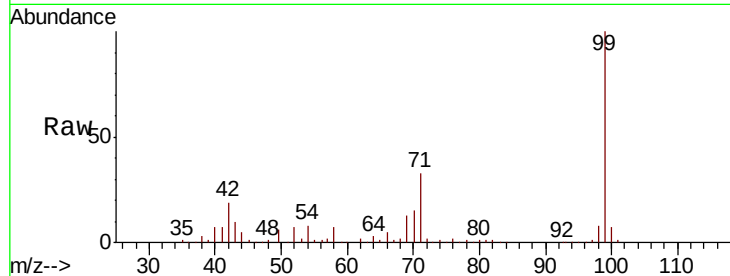
Tgt Ion: 99 Resp: 662295

Ion Ratio Lower Upper

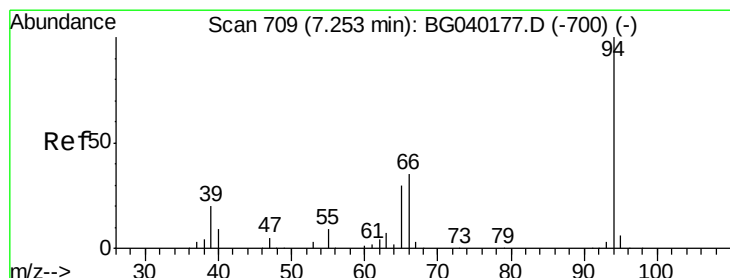
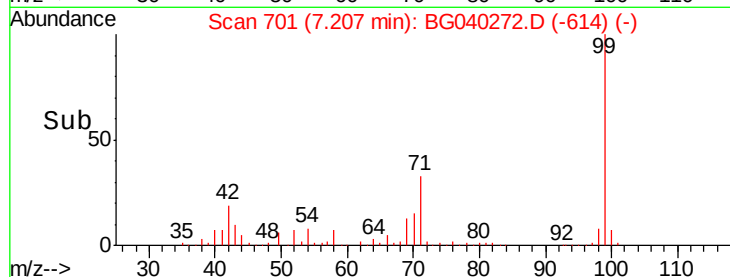
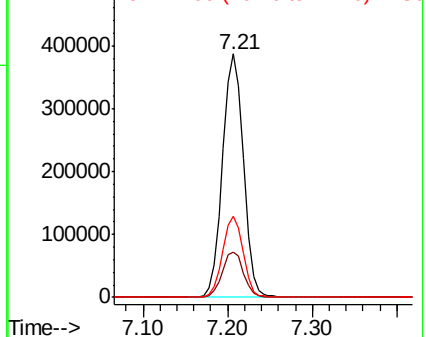
99 100

42 18.5 16.2 24.2

71 33.1 26.8 40.2



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: 4.042 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.02 min

Lab File: BG040272.D

Acq: 1 Apr 2019 19:37

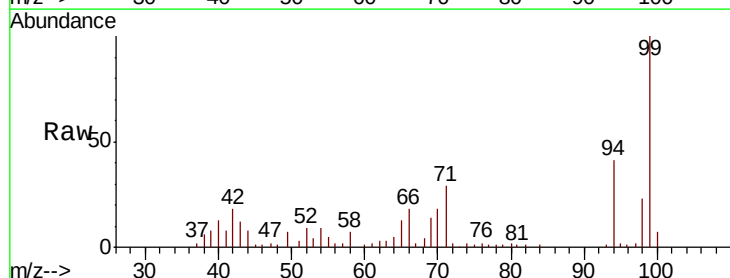
Tgt Ion: 94 Resp: 20424

Ion Ratio Lower Upper

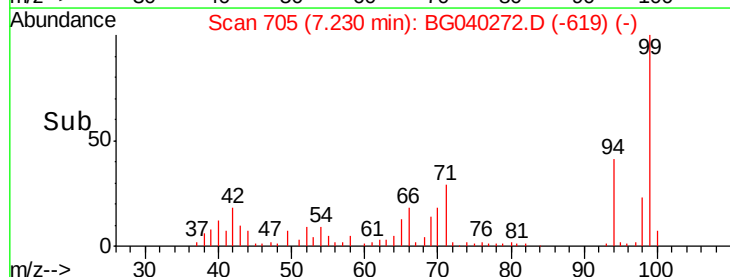
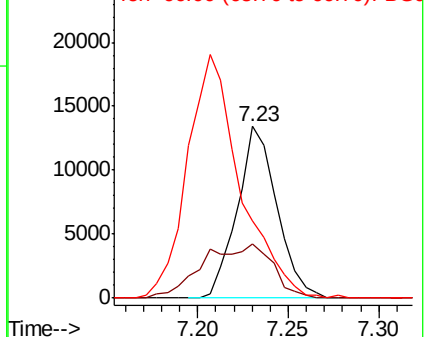
94 100

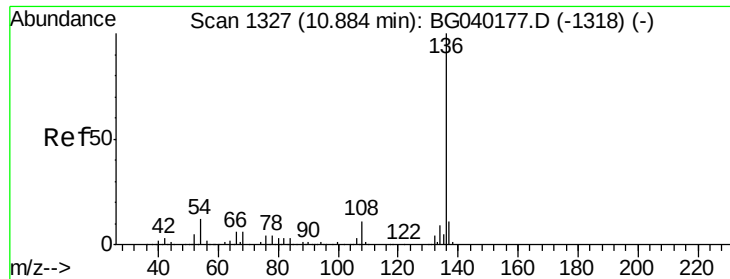
65 31.7 10.5 50.5

66 45.2 16.9 56.9



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

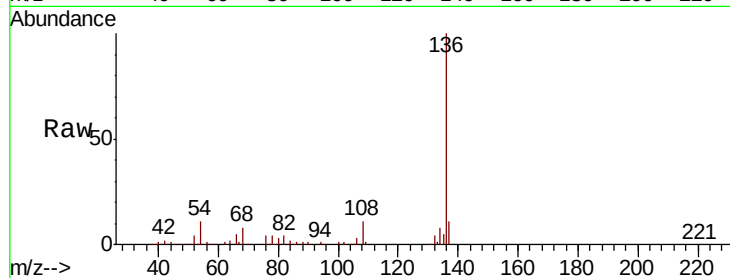




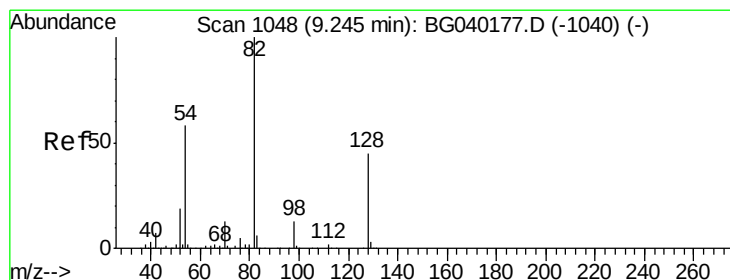
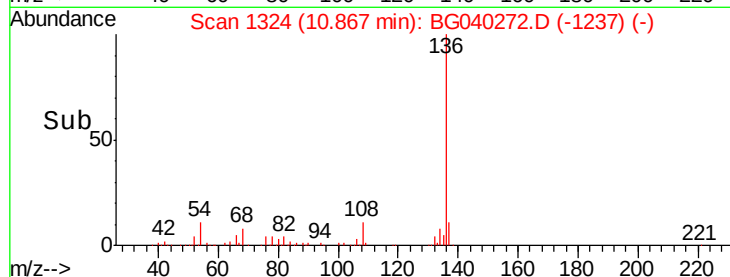
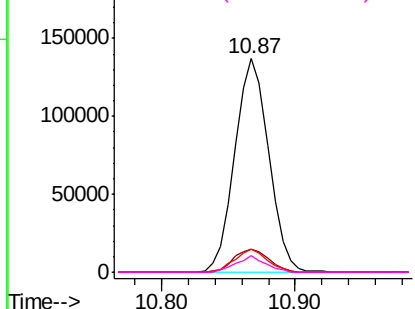
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.87 min Scan# 1324  
Delta R.T. -0.02 min  
Lab File: BG040272.D  
Acq: 1 Apr 2019 19:37

Instrument :  
BNA\_G  
ClientSampleId :  
TP-TRACK-86-87-SOIL

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 242345 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.9   | 13.3   |
| 54       | 10.5  | 9.6   | 14.4   |
| 68       | 8.0   | 5.1   | 7.7#   |

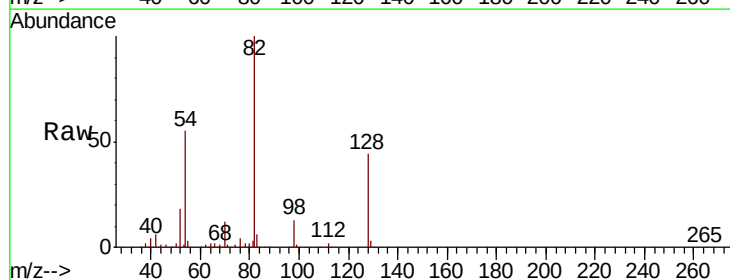


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

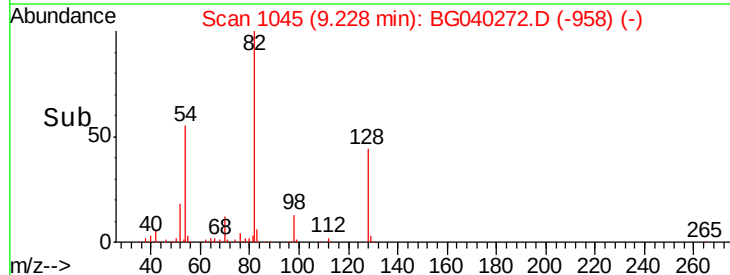
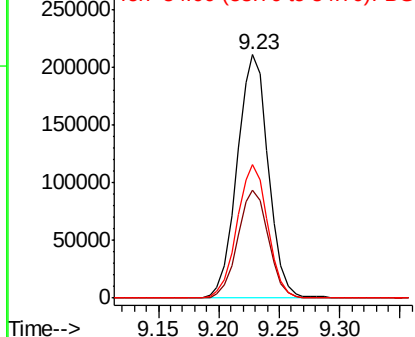


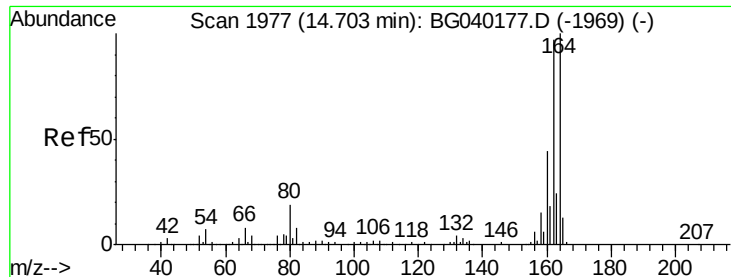
#23  
Nitrobenzene-d5  
Concen: 83.187 ng  
RT: 9.23 min Scan# 1045  
Delta R.T. -0.02 min  
Lab File: BG040272.D  
Acq: 1 Apr 2019 19:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 379280 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 44.1  | 35.8  | 53.8   |
| 54       | 54.9  | 46.2  | 69.2   |



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: 14.68 min Scan# 1973

Delta R.T. -0.02 min

Lab File: BG040272.D

Acq: 1 Apr 2019 19:37

Instrument :

BNA\_G

ClientSampleId :

TP-TRACK-86-87-SOIL

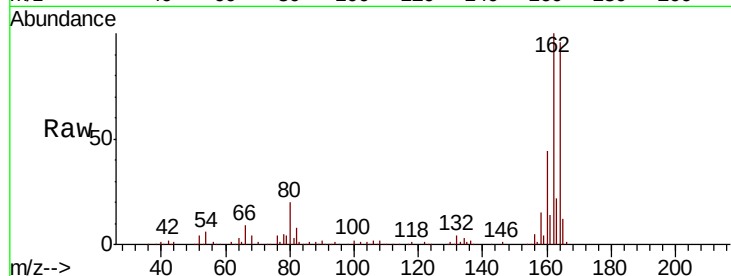
Tgt Ion:164 Resp: 172443

Ion Ratio Lower Upper

164 100

162 104.5 77.4 116.2

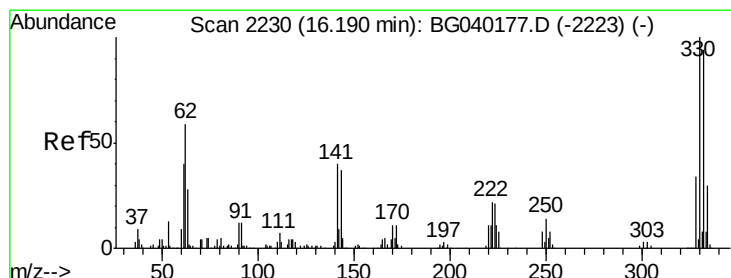
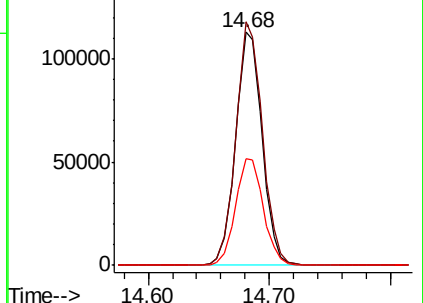
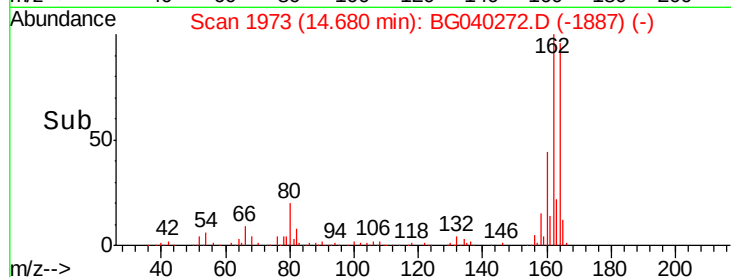
160 45.6 35.3 52.9



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: 156.312 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.02 min

Lab File: BG040272.D

Acq: 1 Apr 2019 19:37

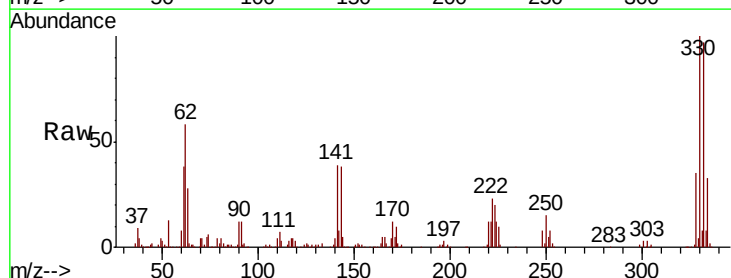
Tgt Ion:330 Resp: 291312

Ion Ratio Lower Upper

330 100

332 95.9 76.6 115.0

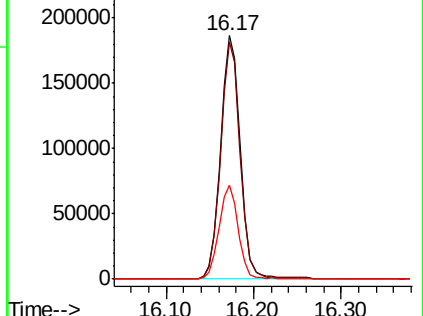
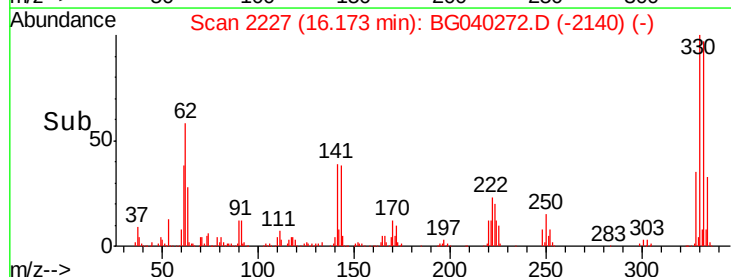
141 37.8 32.6 48.8

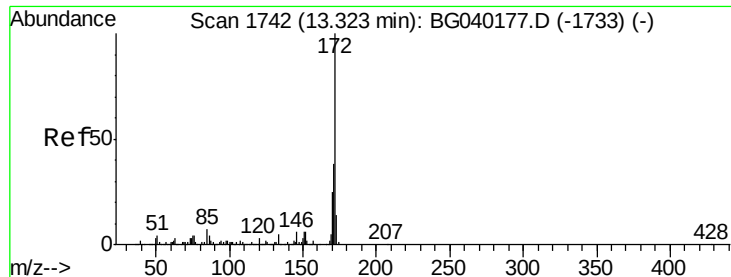


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

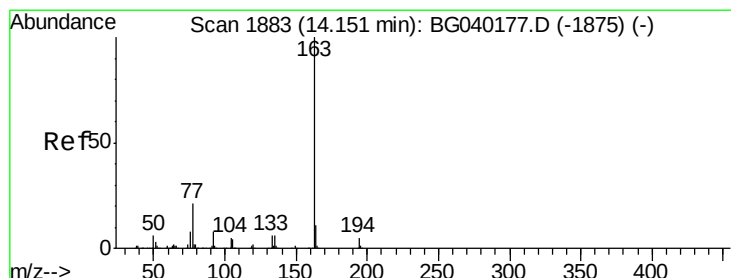
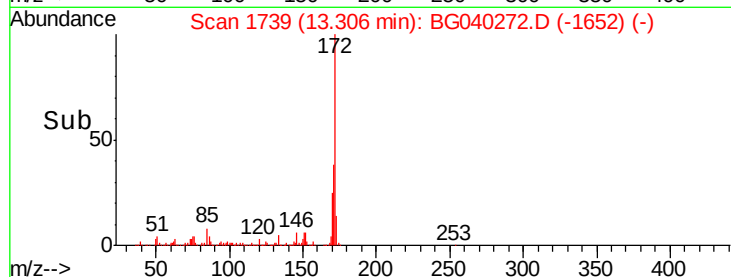
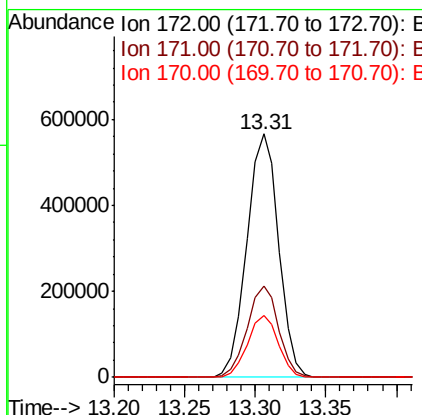
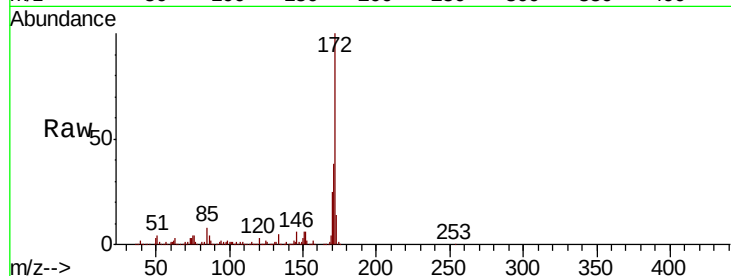




#45  
2-Fluorobiphenyl  
Concen: 76.869 ng  
RT: 13.31 min Scan# 1739  
Delta R.T. -0.02 min  
Lab File: BG040272.D  
Acq: 1 Apr 2019 19:37

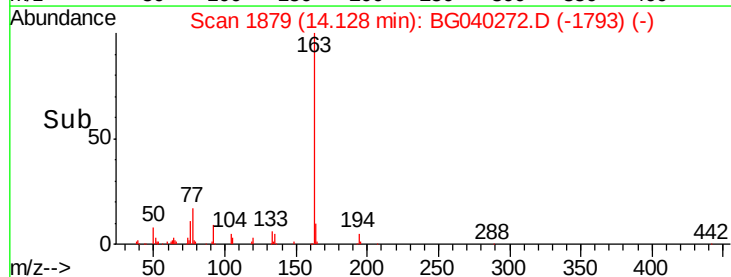
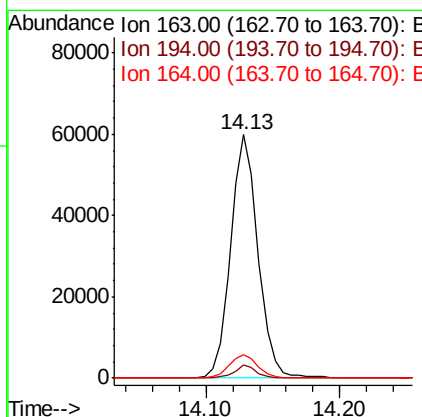
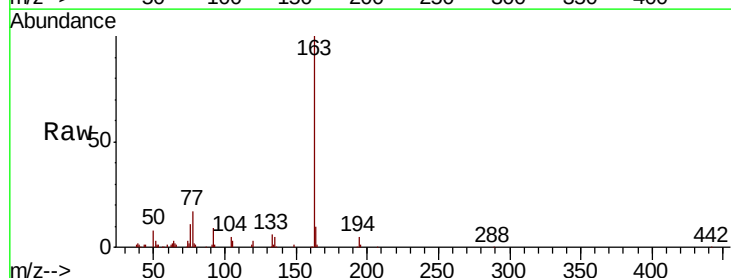
Instrument :  
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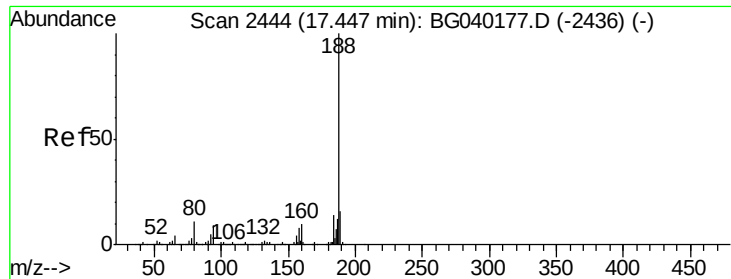
Tgt Ion:172 Resp: 894576  
Ion Ratio Lower Upper  
172 100  
171 37.7 30.5 45.7  
170 25.3 20.1 30.1



#50  
Dimethylphthalate  
Concen: 6.323 ng  
RT: 14.13 min Scan# 1879  
Delta R.T. -0.02 min  
Lab File: BG040272.D  
Acq: 1 Apr 2019 19:37

Tgt Ion:163 Resp: 85339  
Ion Ratio Lower Upper  
163 100  
194 5.3 4.1 6.1  
164 9.6 8.6 13.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.02 min

Lab File: BG040272.D

Acq: 1 Apr 2019 19:37

Instrument :

BNA\_G

ClientSampleId :

TP-TRACK-86-87-SOIL

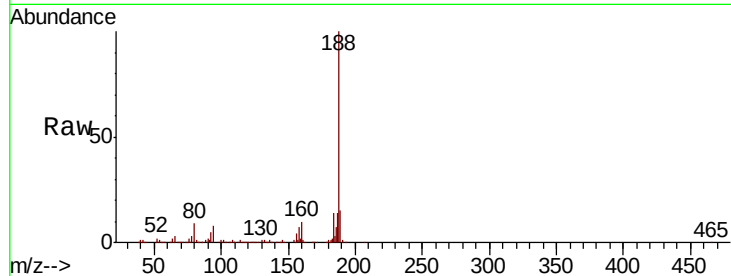
Tgt Ion:188 Resp: 443427

Ion Ratio Lower Upper

188 100

94 8.1 7.0 10.4

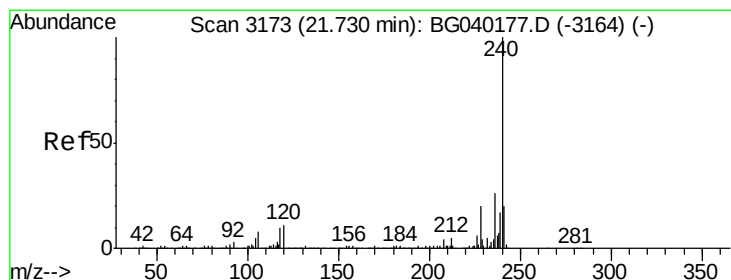
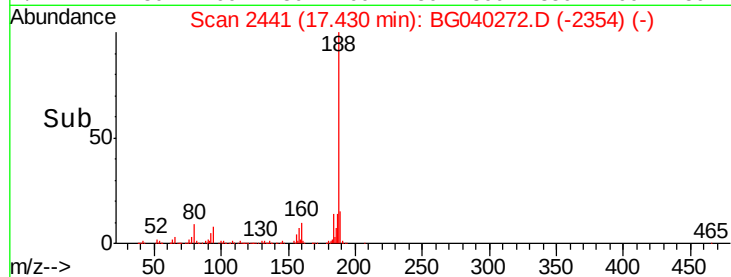
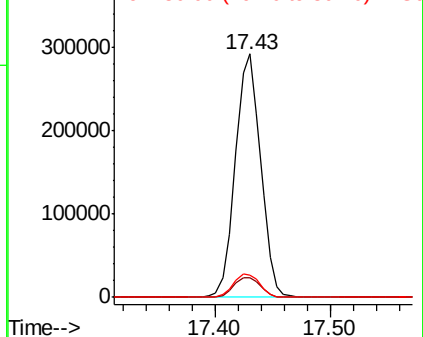
80 9.2 8.6 13.0



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: 21.71 min Scan# 3169

Delta R.T. -0.02 min

Lab File: BG040272.D

Acq: 1 Apr 2019 19:37

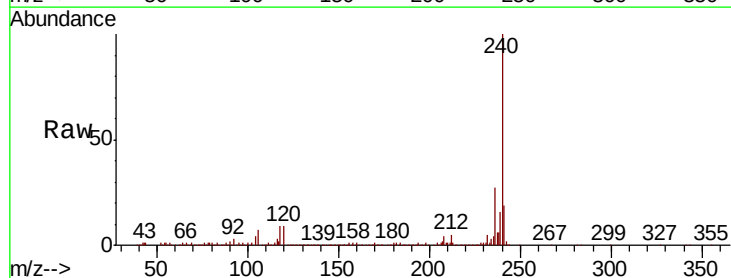
Tgt Ion:240 Resp: 410479

Ion Ratio Lower Upper

240 100

120 9.4 8.4 12.6

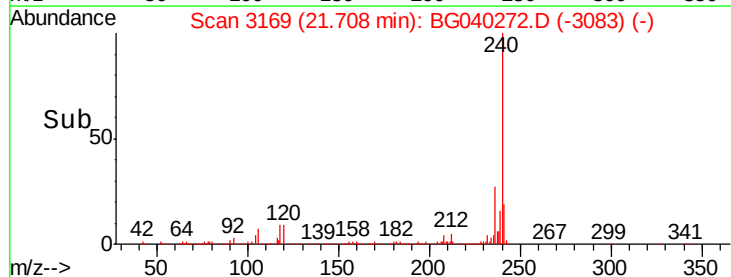
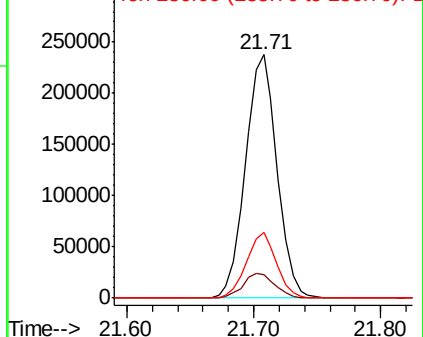
236 26.9 20.8 31.2



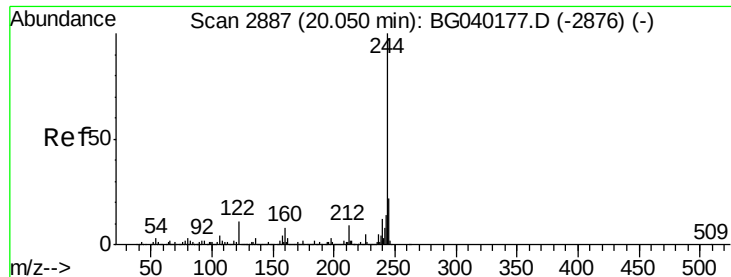
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#79

Terphenyl-d14

Concen: 71.649 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.02 min

Lab File: BG040272.D

Acq: 1 Apr 2019 19:37

Instrument :

BNA\_G

ClientSampleId :

TP-TRACK-86-87-SOIL

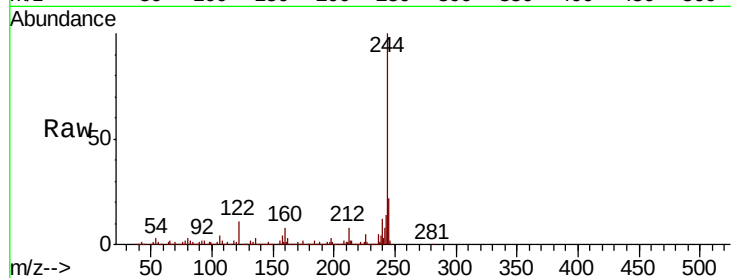
Tgt Ion:244 Resp: 1307325

Ion Ratio Lower Upper

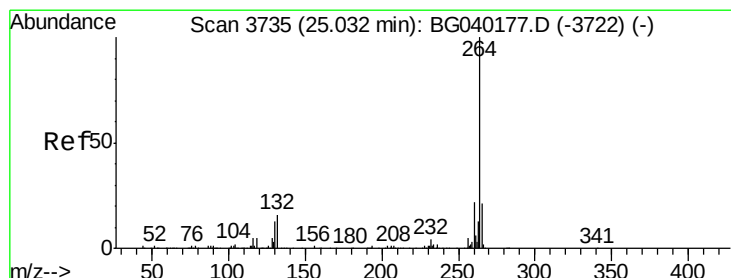
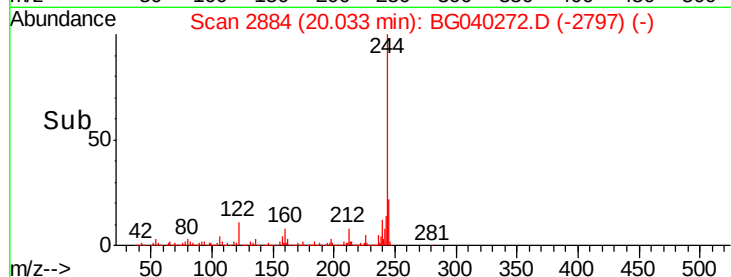
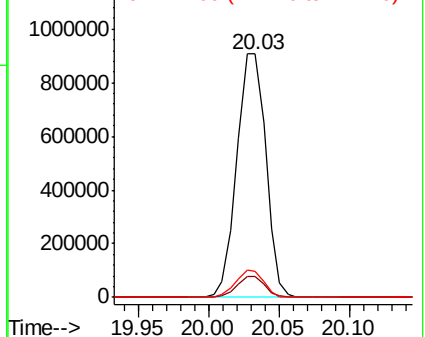
244 100

212 8.4 7.0 10.6

122 10.7 8.5 12.7



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: 25.01 min Scan# 3731

Delta R.T. -0.02 min

Lab File: BG040272.D

Acq: 1 Apr 2019 19:37

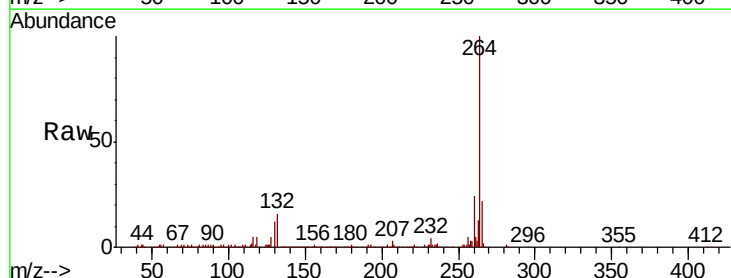
Tgt Ion:264 Resp: 415804

Ion Ratio Lower Upper

264 100

260 23.7 17.9 26.9

265 21.6 16.8 25.2



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

