

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032819\  
 Data File : BG040226.D  
 Acq On : 29 Mar 2019 9:01  
 Operator : JU/SJ  
 Sample : K2107-16  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-8

Quant Time: Mar 29 13:24:13 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   | 8.07  | 152  | 70486    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.89 | 136  | 283796   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.70 | 164  | 171360   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.44 | 188  | 423146   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.72 | 240  | 449834   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 25.02 | 264  | 443274   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.63  | 112  | 495485   | 116.86 | ng    | 0.00     |
| 7) Phenol-d6                | 7.22  | 99   | 612785   | 104.58 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.25  | 82   | 450395   | 84.36  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.19 | 330  | 236616   | 127.77 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.32 | 172  | 1007412  | 87.11  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.05 | 244  | 1575731  | 78.80  | ng    | 0.00     |

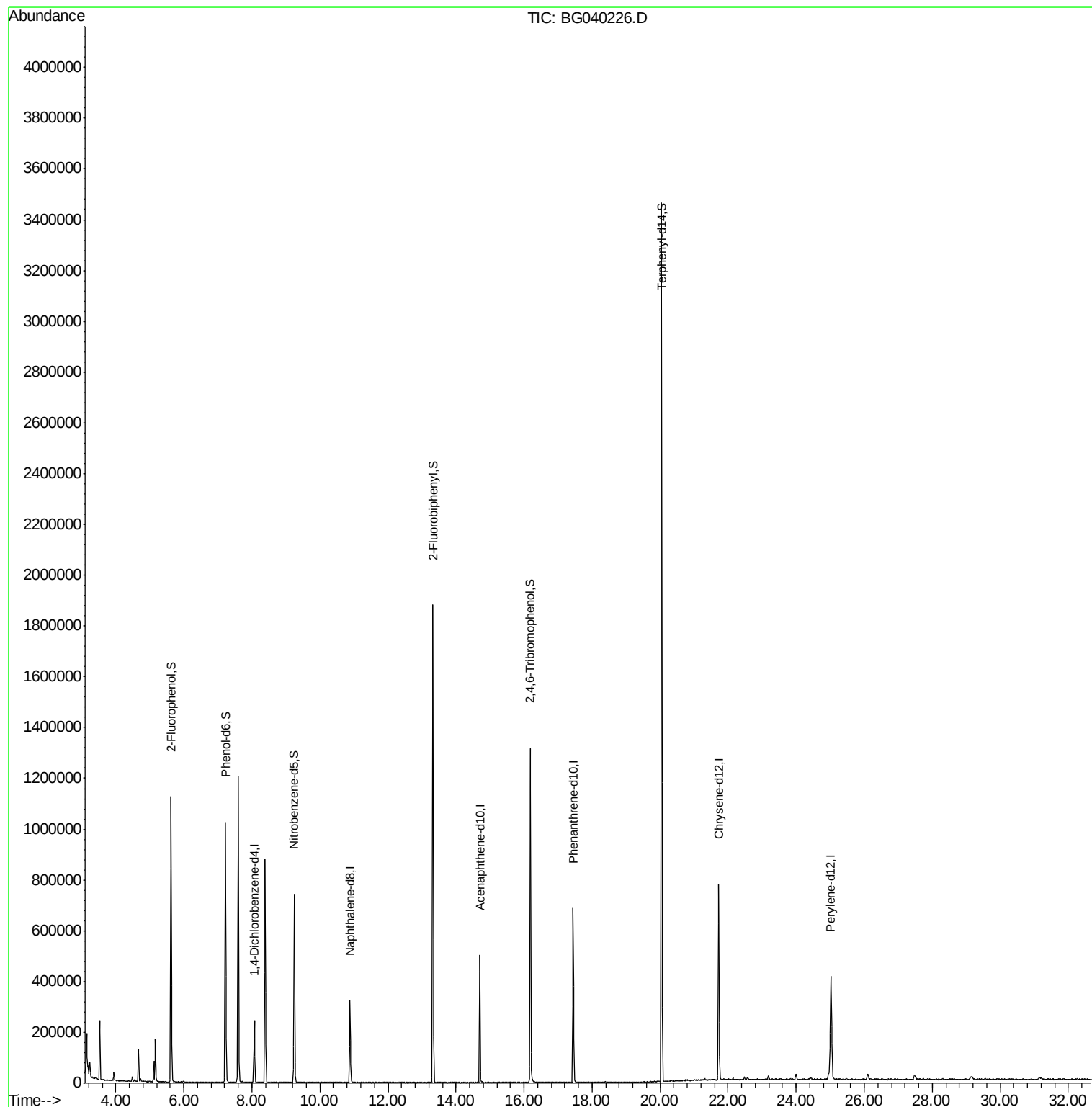
Target Compounds Qvalue

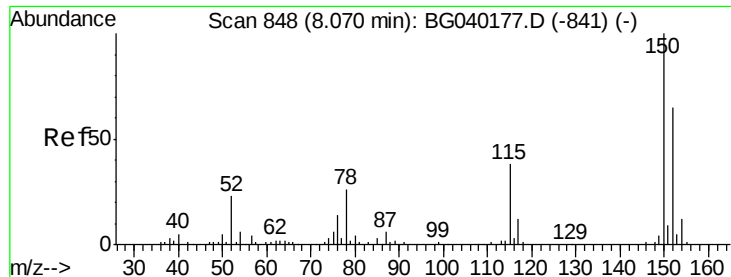
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : K2107-16  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Time: Mar 29 13:24:13 2019  
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QLast Update : Thu Mar 28 05:47:00 2019  
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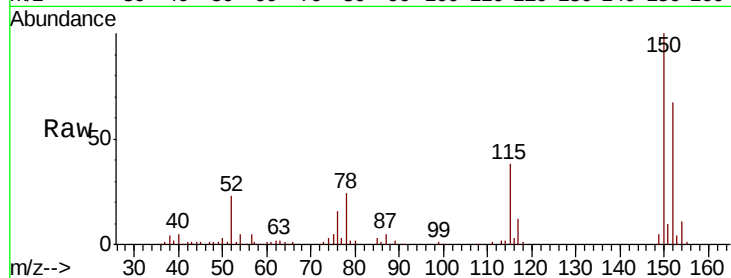


#1

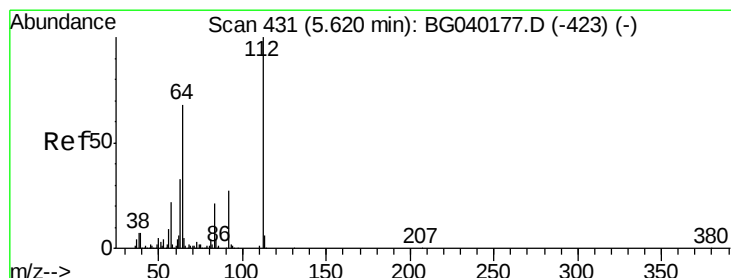
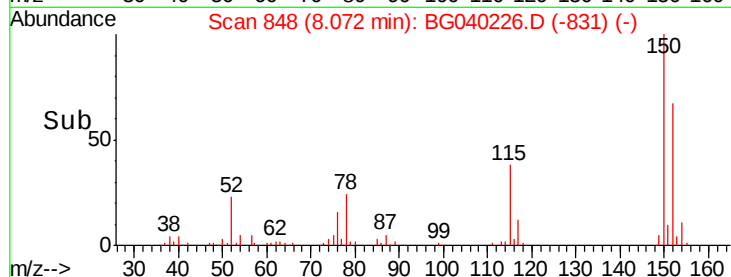
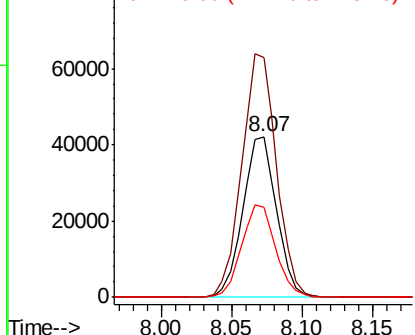
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.07 min Scan# 848  
Delta R.T. 0.00 min  
Lab File: BG040226.D  
Acq: 29 Mar 2019 9:01

Instrument :  
BNA\_G  
ClientSampleId :  
TP-8

Tot Ion:152 Resp: 70486  
Ion Ratio Lower Upper  
152 100  
150 149.2 123.7 185.5  
115 56.1 46.9 70.3



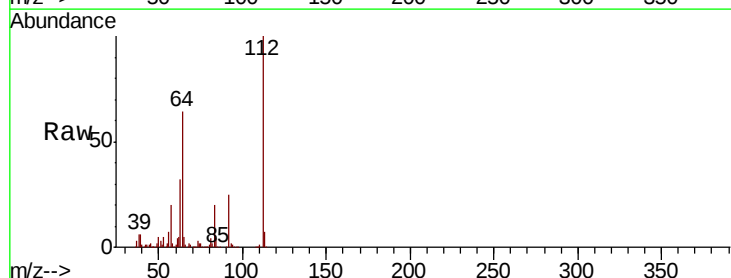
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



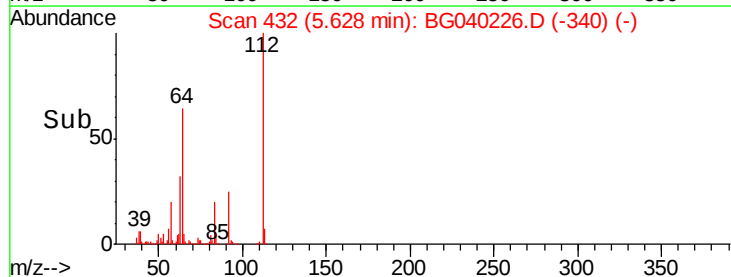
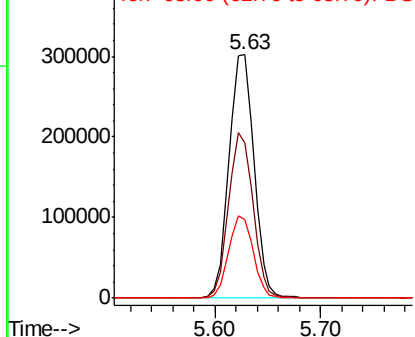
#5

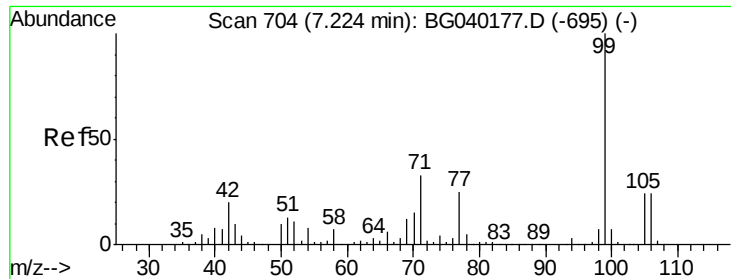
2-Fluorophenol  
Concen: 116.860 ng  
RT: 5.63 min Scan# 432  
Delta R.T. 0.01 min  
Lab File: BG040226.D  
Acq: 29 Mar 2019 9:01

Tgt Ion:112 Resp: 495485  
Ion Ratio Lower Upper  
112 100  
64 63.7 54.2 81.2  
63 32.5 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: 104.576 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.00 min

Lab File: BG040226.D

Acq: 29 Mar 2019 9:01

Instrument :

BNA\_G

ClientSampled :

TP-8

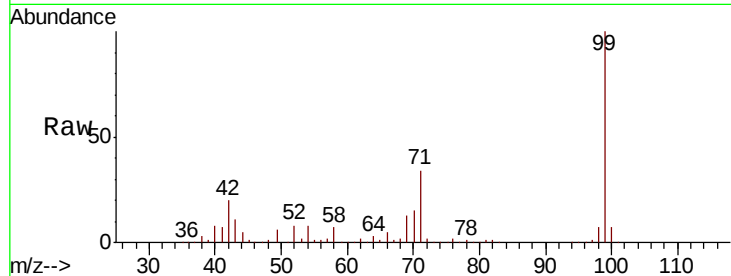
Tot Ion: 99 Resp: 612785

Ion Ratio Lower Upper

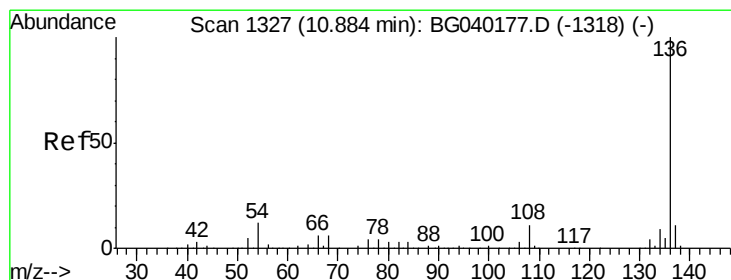
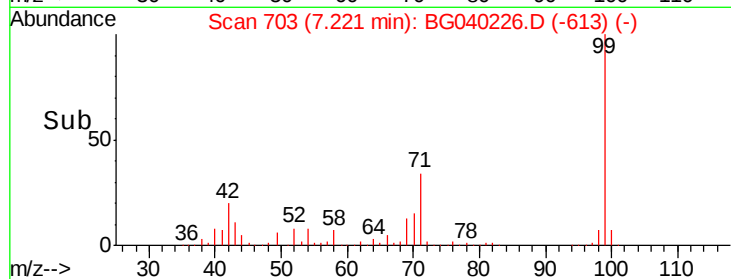
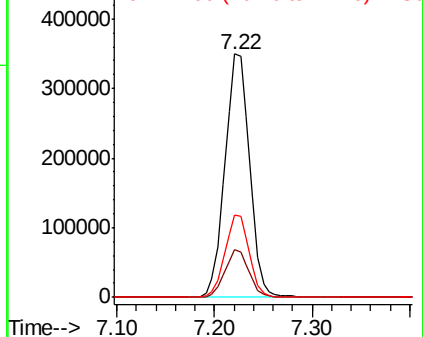
99 100

42 19.7 16.2 24.2

71 33.7 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.89 min Scan# 1327

Delta R.T. 0.00 min

Lab File: BG040226.D

Acq: 29 Mar 2019 9:01

Tgt Ion: 136 Resp: 283796

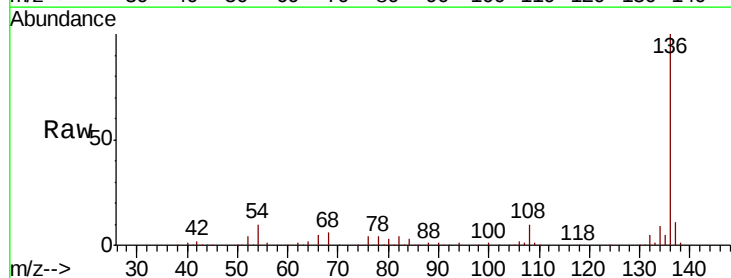
Ion Ratio Lower Upper

136 100

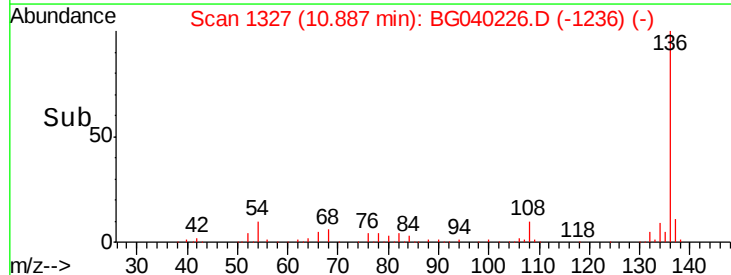
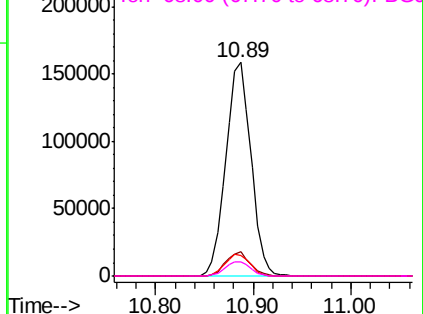
137 11.3 8.9 13.3

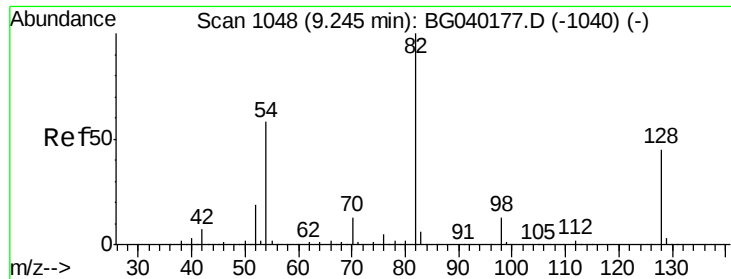
54 9.8 9.6 14.4

68 6.4 5.1 7.7



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

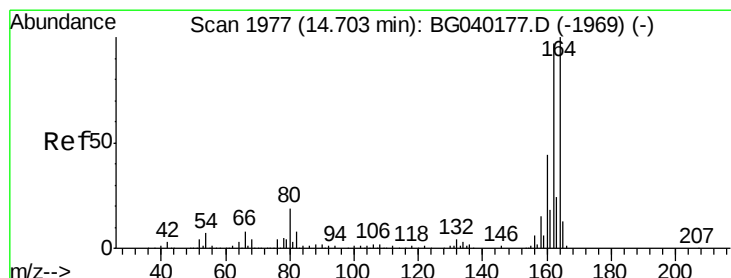
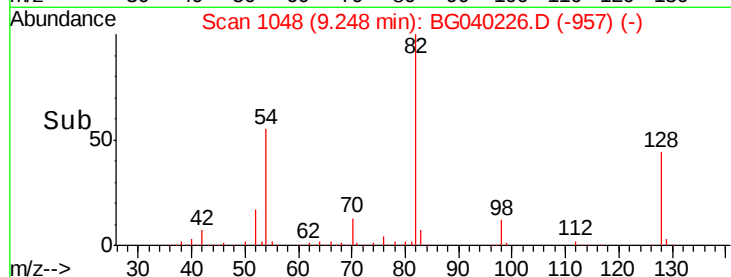
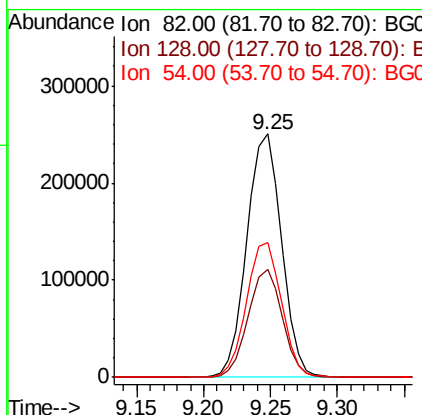
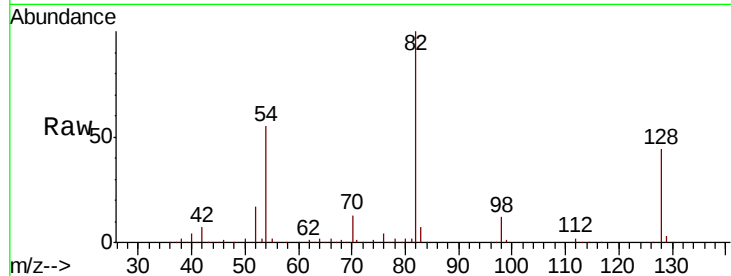




#23  
Nitrobenzene-d5  
Concen: 84.356 ng  
RT: 9.25 min Scan# 1048  
Delta R.T. 0.00 min  
Lab File: BG040226.D  
Acq: 29 Mar 2019 9:01

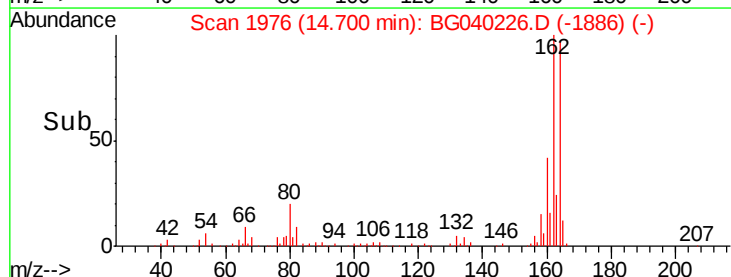
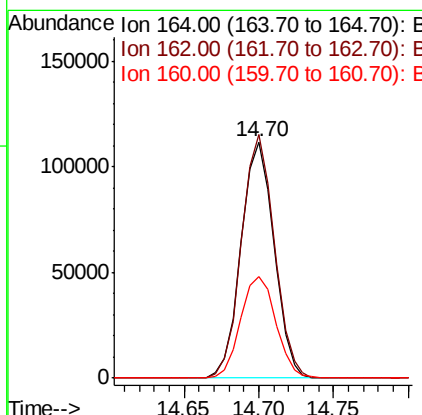
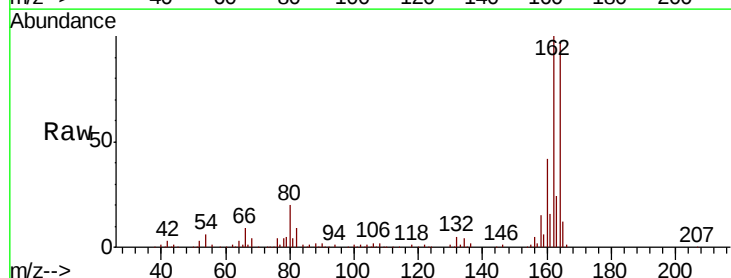
Instrument :  
BNA\_G  
ClientSampleId :  
TP-8

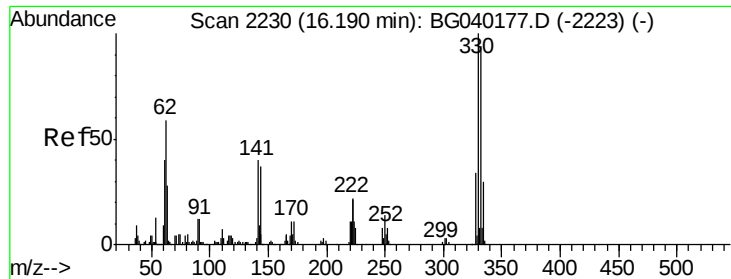
| Tot Ion   | 82    | Resp  | 450395 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 44.3  | 35.8  | 53.8   |
| 54        | 55.2  | 46.2  | 69.2   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.70 min Scan# 1976  
Delta R.T. -0.00 min  
Lab File: BG040226.D  
Acq: 29 Mar 2019 9:01

| Tgt Ion   | 164   | Resp  | 171360 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 102.9 | 77.4  | 116.2  |
| 160       | 43.2  | 35.3  | 52.9   |

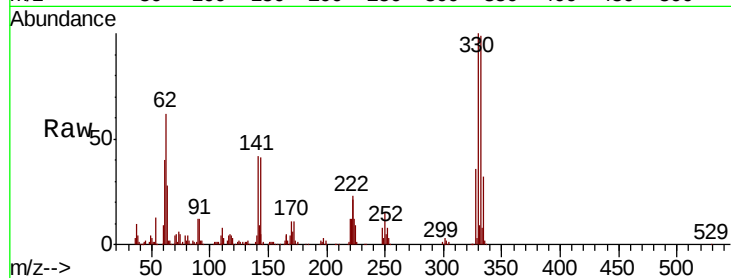




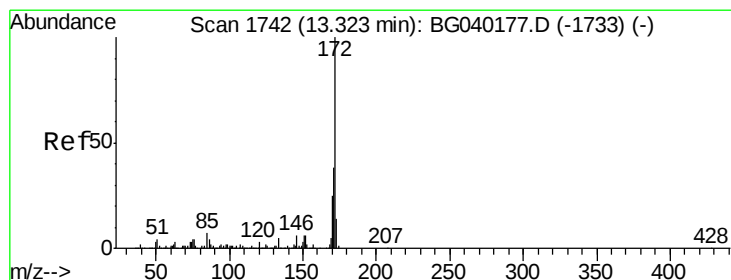
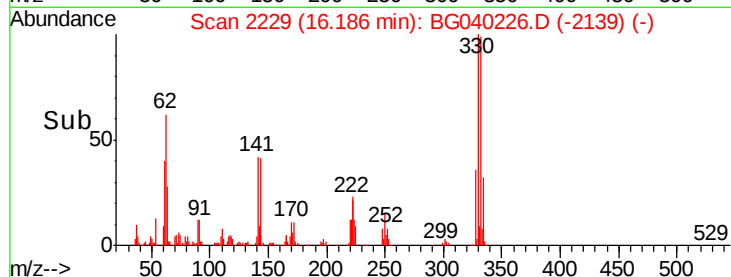
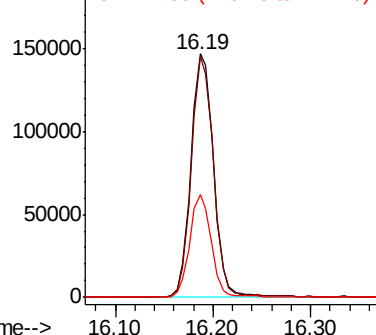
#42  
2,4,6-Tribromophenol  
Concen: 127.766 ng  
RT: 16.19 min Scan# 2229  
Delta R.T. -0.00 min  
Lab File: BG040226.D  
Acq: 29 Mar 2019 9:01

Instrument :  
BNA\_G  
ClientSampleId :  
TP-8

Tot Ion:330 Resp: 236616  
Ion Ratio Lower Upper  
330 100  
332 96.4 76.6 115.0  
141 39.9 32.6 48.8

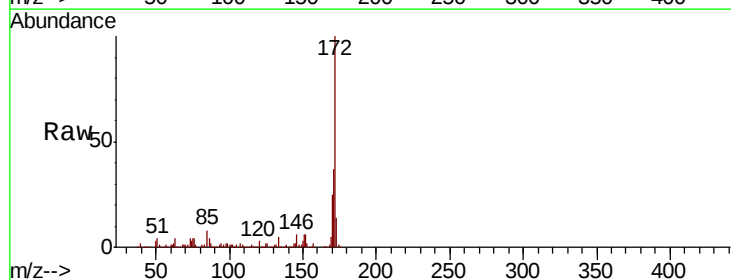


Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

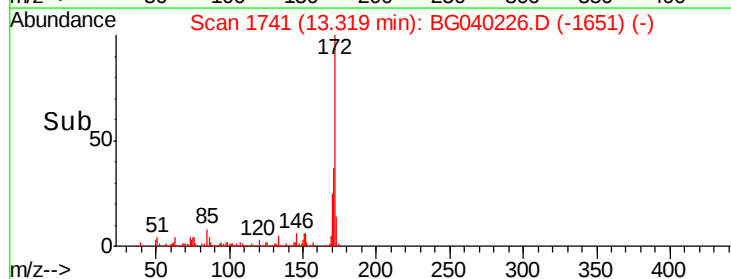
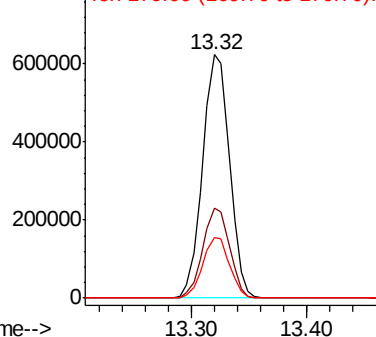


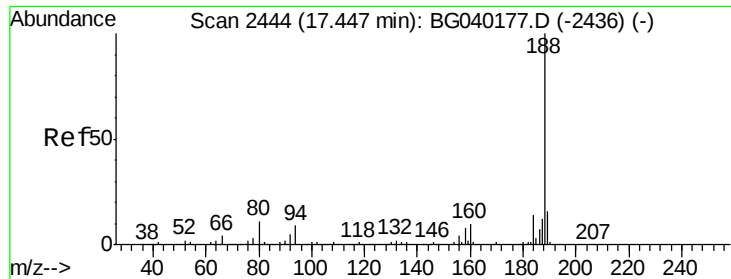
#45  
2-Fluorobiphenyl  
Concen: 87.112 ng  
RT: 13.32 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: BG040226.D  
Acq: 29 Mar 2019 9:01

Tgt Ion:172 Resp: 1007412  
Ion Ratio Lower Upper  
172 100  
171 37.2 30.5 45.7  
170 24.8 20.1 30.1



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

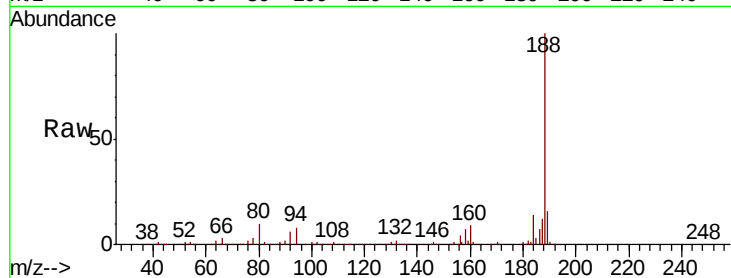




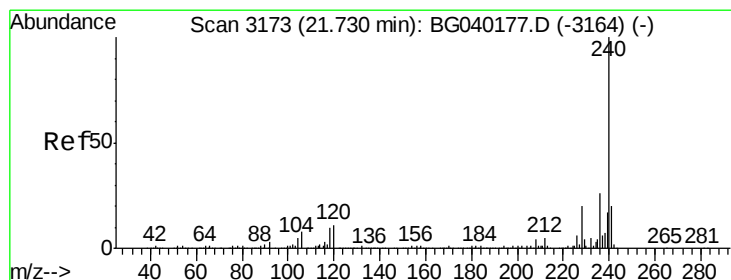
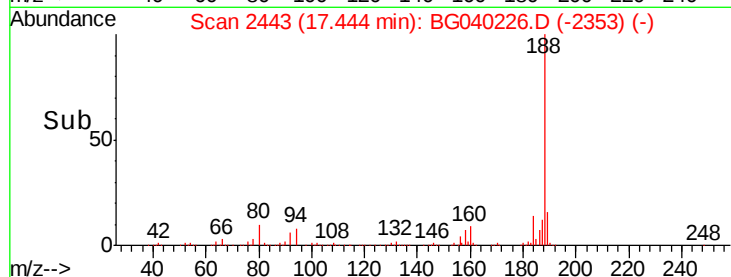
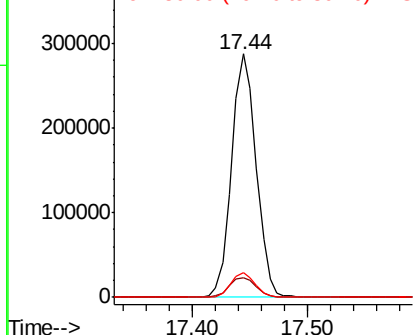
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.44 min Scan# 2443  
Delta R.T. -0.00 min  
Lab File: BG040226.D  
Acq: 29 Mar 2019 9:01

Instrument :  
BNA\_G  
ClientSampleId :  
TP-8

Tot Ion:188 Resp: 423146  
Ion Ratio Lower Upper  
188 100  
94 8.3 7.0 10.4  
80 10.0 8.6 13.0

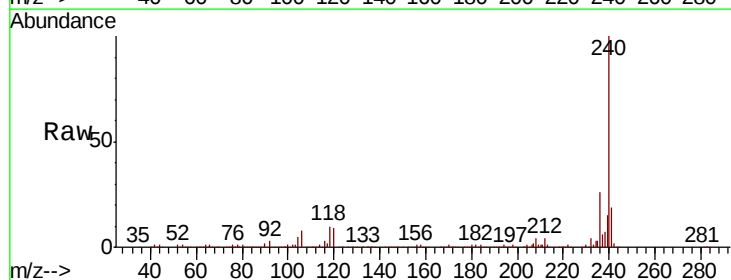


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

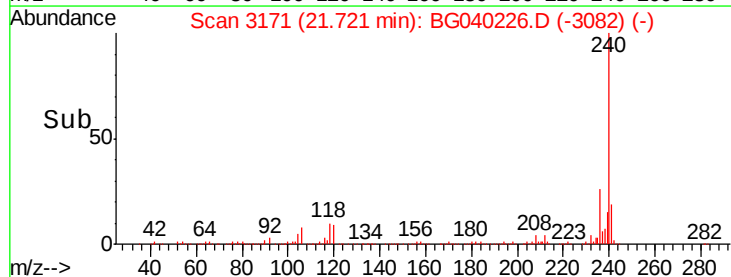
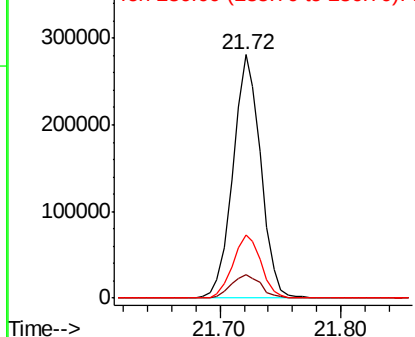


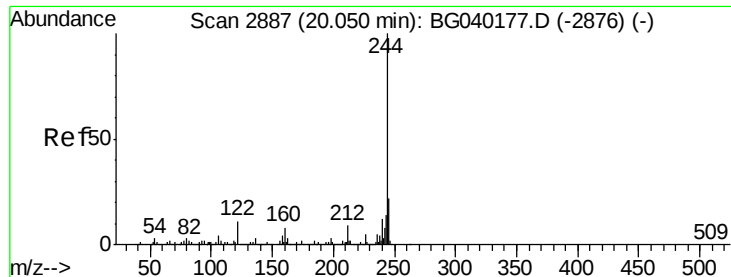
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.72 min Scan# 3171  
Delta R.T. -0.01 min  
Lab File: BG040226.D  
Acq: 29 Mar 2019 9:01

Tgt Ion:240 Resp: 449834  
Ion Ratio Lower Upper  
240 100  
120 9.5 8.4 12.6  
236 26.2 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: 78.803 ng

RT: 20.05 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG040226.D

Acq: 29 Mar 2019 9:01

Instrument :

BNA\_G

ClientSampleId :

TP-8

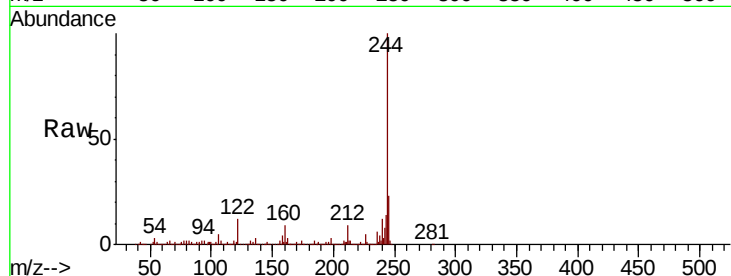
Tot Ion:244 Resp: 1575731

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.6

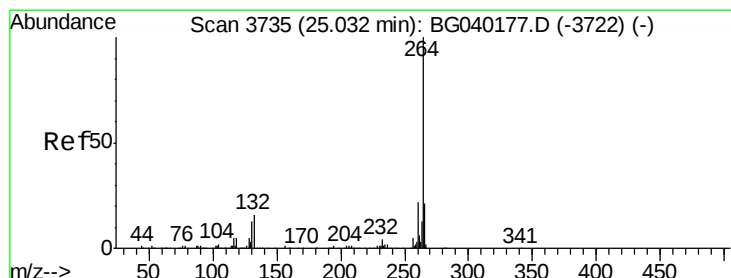
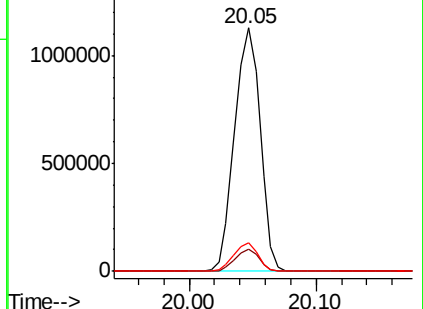
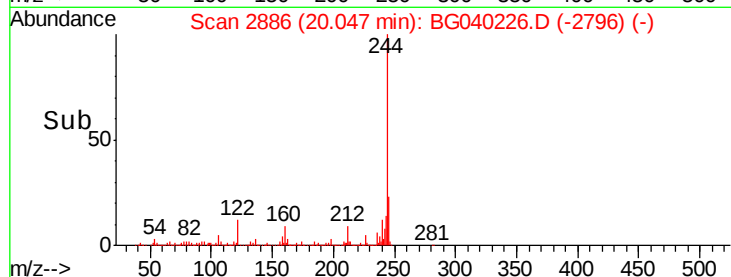
122 11.7 8.5 12.7



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: 25.02 min Scan# 3733

Delta R.T. -0.01 min

Lab File: BG040226.D

Acq: 29 Mar 2019 9:01

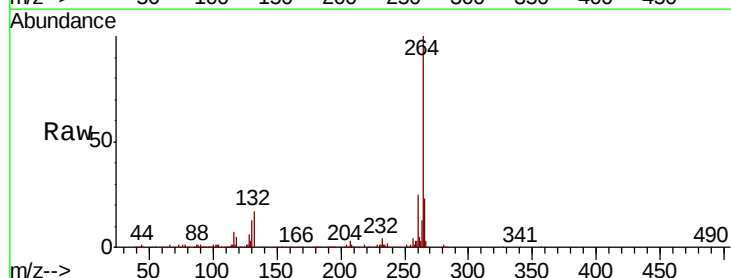
Tgt Ion:264 Resp: 443274

Ion Ratio Lower Upper

264 100

260 24.9 17.9 26.9

265 22.6 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

