

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031319\  
 Data File : BG039909.D  
 Acq On : 13 Mar 2019 19:23  
 Operator : JU/SJ  
 Sample : K1693-06  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-031219-A

Quant Time: Mar 14 04:34:33 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 04 14:38:15 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.15  | 152  | 52145    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.97 | 136  | 204642   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.77 | 164  | 129353   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.52 | 188  | 300551   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.80 | 240  | 325443   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 25.16 | 264  | 323439   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.70  | 112  | 366909   | 120.04 | ng    | -0.01    |
| 7) Phenol-d6                | 7.29  | 99   | 468509   | 102.80 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 349668   | 92.41  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.26 | 330  | 206662   | 137.07 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.40 | 172  | 802736   | 88.36  | ng    | -0.02    |
| 79) Terphenyl-d14           | 20.11 | 244  | 1215610  | 82.24  | ng    | -0.01    |

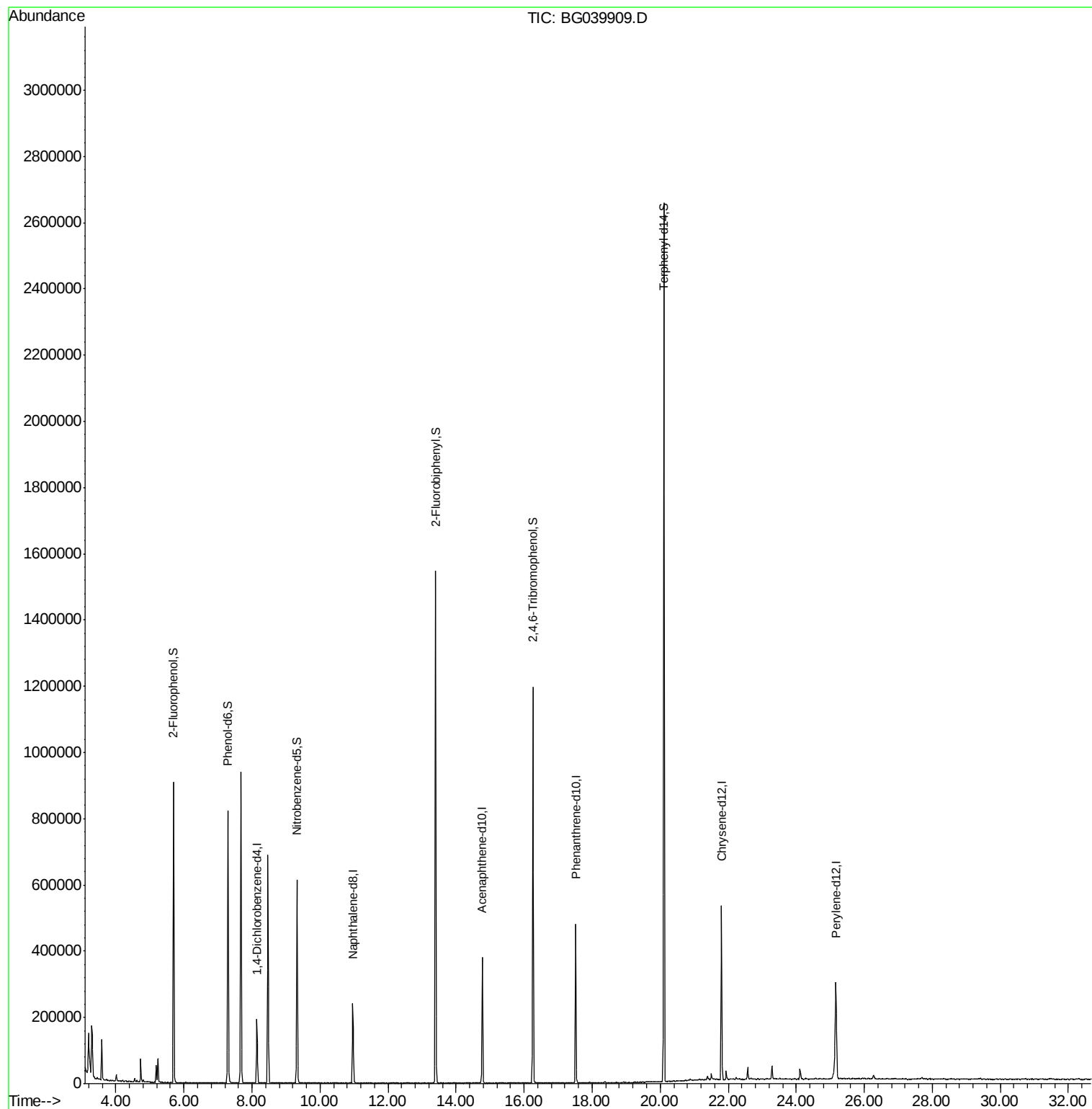
Target Compounds Qvalue

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031319\  
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BNA\_G  
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Quant Time: Mar 14 04:34:33 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 04 14:38:15 2019  
Response via : Initial Calibration



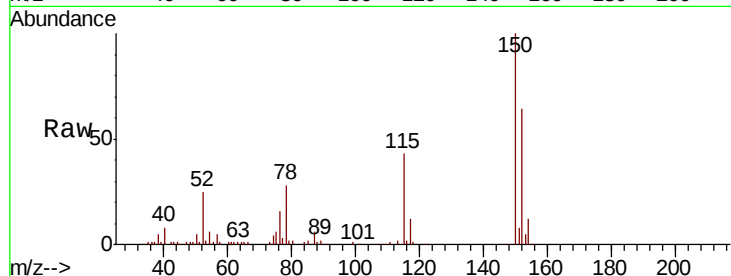


#1

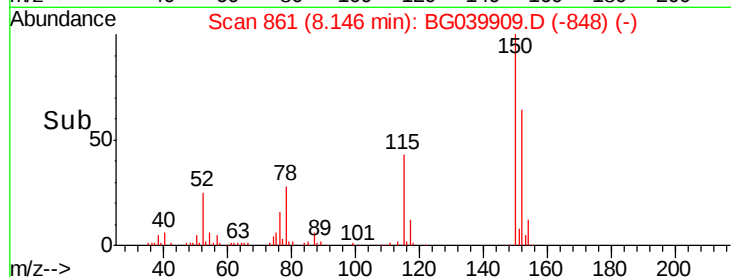
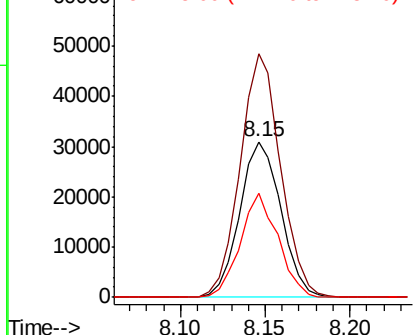
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.15 min Scan# 861  
Delta R.T. -0.02 min  
Lab File: BG039909.D  
Acq: 13 Mar 2019 19:23

Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-031219-A

Tot Ion:152 Resp: 52145  
Ion Ratio Lower Upper  
152 100  
150 156.8 123.7 185.5  
115 66.6 45.9 68.9



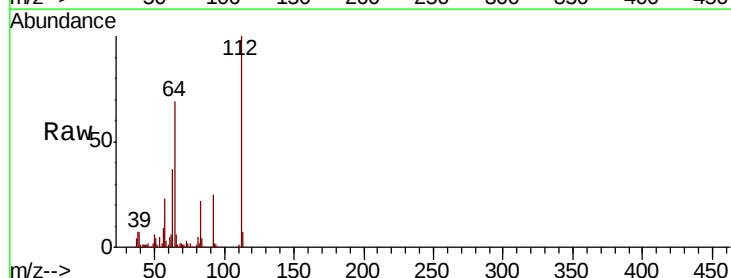
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



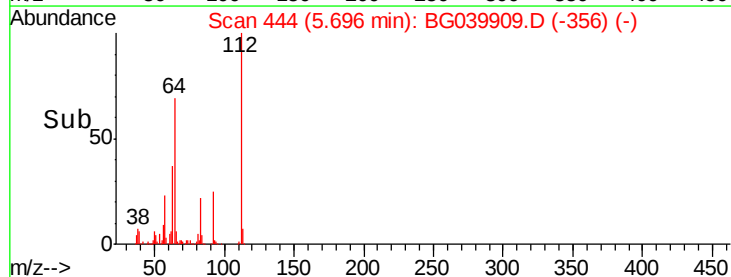
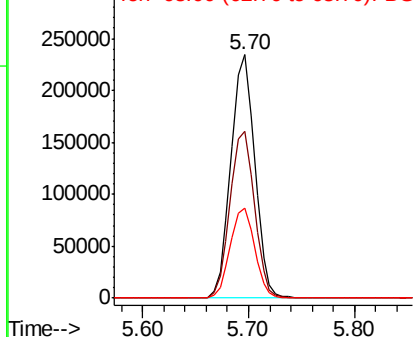
#5

2-Fluorophenol  
Concen: 120.040 ng  
RT: 5.70 min Scan# 444  
Delta R.T. -0.01 min  
Lab File: BG039909.D  
Acq: 13 Mar 2019 19:23

Tgt Ion:112 Resp: 366909  
Ion Ratio Lower Upper  
112 100  
64 68.7 57.8 86.8  
63 37.2 29.8 44.6



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: 102.800 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039909.D

Acq: 13 Mar 2019 19:23

Instrument :

BNA\_G

ClientSampleId :

OR-02-031219-A

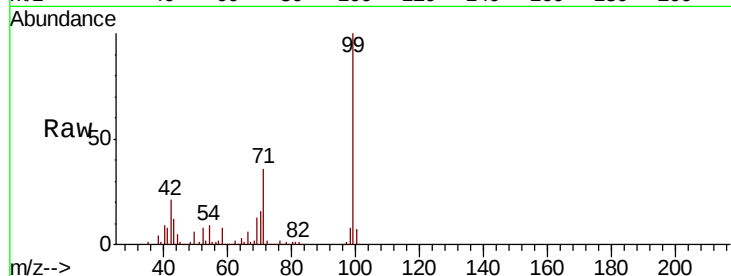
Tot Ion: 99 Resp: 468509

Ion Ratio Lower Upper

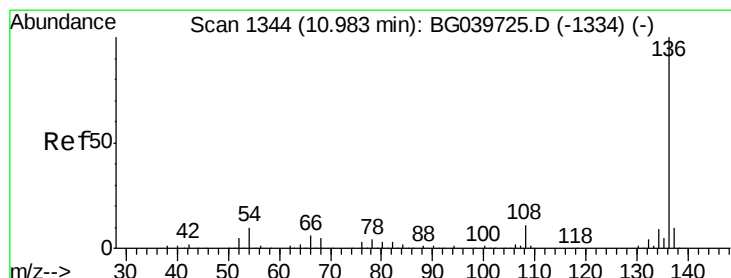
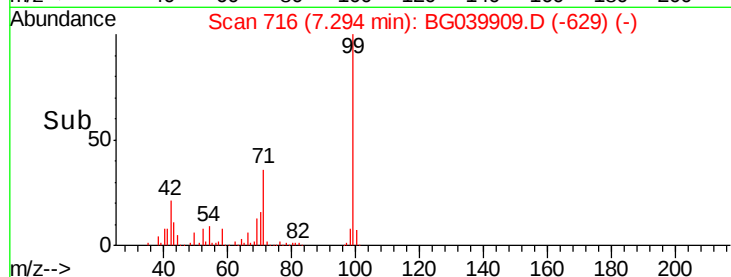
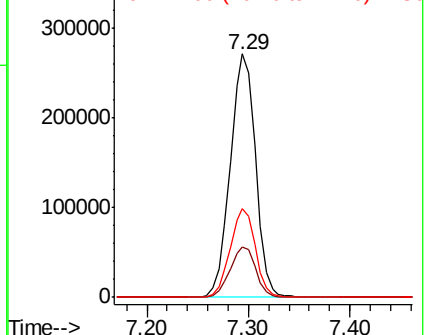
99 100

42 20.9 18.2 27.2

71 36.4 28.0 42.0



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: 10.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BG039909.D

Acq: 13 Mar 2019 19:23

Tgt Ion: 136 Resp: 204642

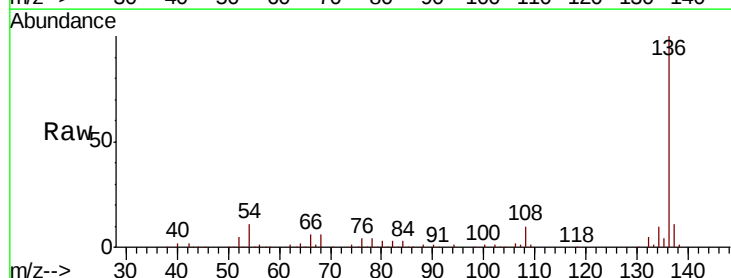
Ion Ratio Lower Upper

136 100

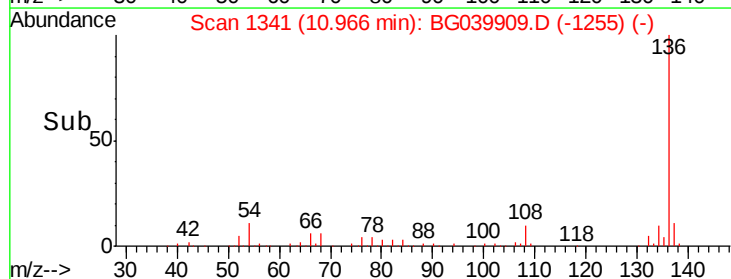
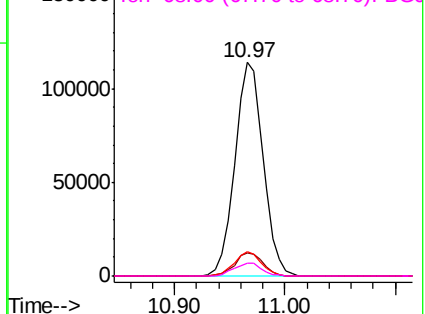
137 10.6 9.1 13.7

54 11.3 9.4 14.2

68 6.2 4.2 6.4



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

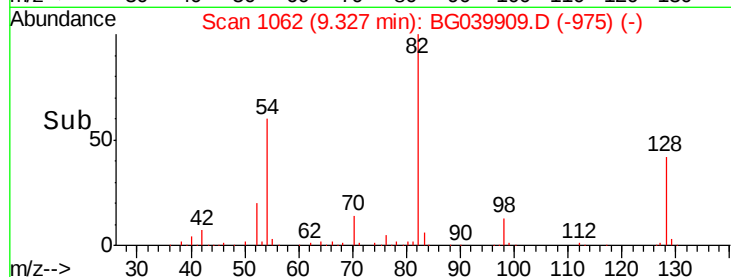
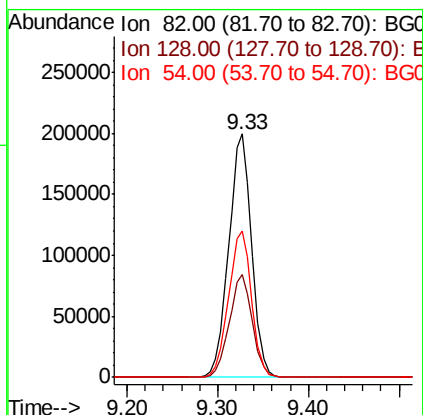
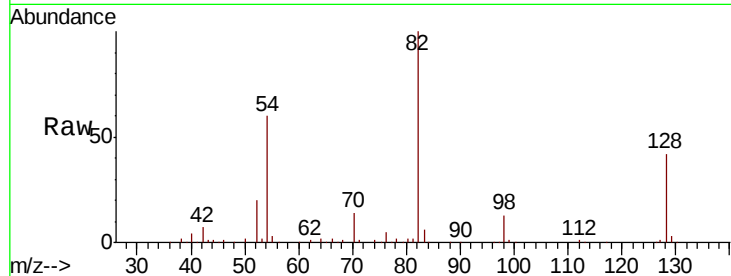




#23  
Nitrobenzene-d5  
Concen: 92.412 ng  
RT: 9.33 min Scan# 1062  
Delta R.T. -0.02 min  
Lab File: BG039909.D  
Acq: 13 Mar 2019 19:23

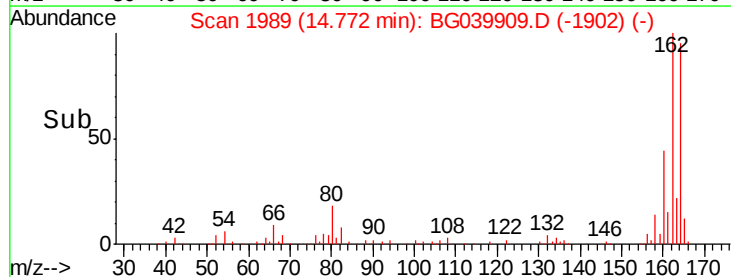
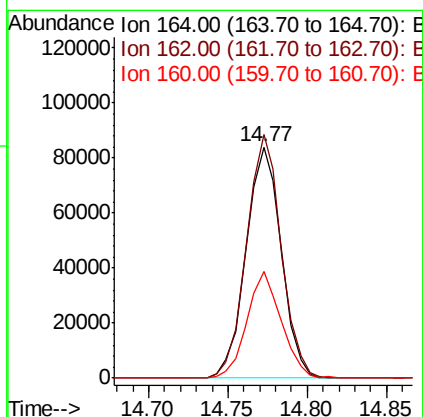
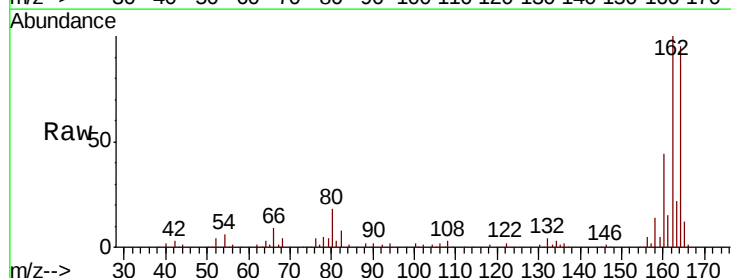
Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-031219-A

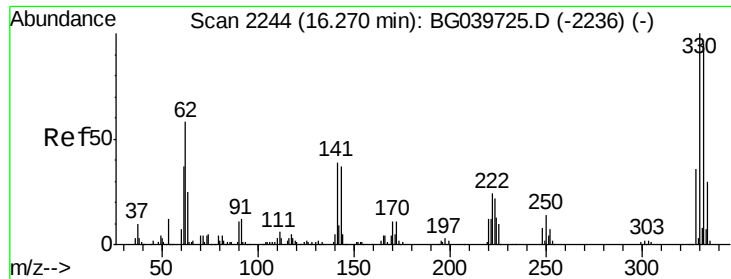
| Tot Ion   | 82    | Resp  | 349668 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.4  | 31.3  | 46.9   |
| 54        | 60.1  | 50.9  | 76.3   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.77 min Scan# 1989  
Delta R.T. -0.02 min  
Lab File: BG039909.D  
Acq: 13 Mar 2019 19:23

| Tgt Ion   | 164   | Resp  | 129353 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 105.3 | 81.6  | 122.4  |
| 160       | 45.9  | 34.2  | 51.2   |

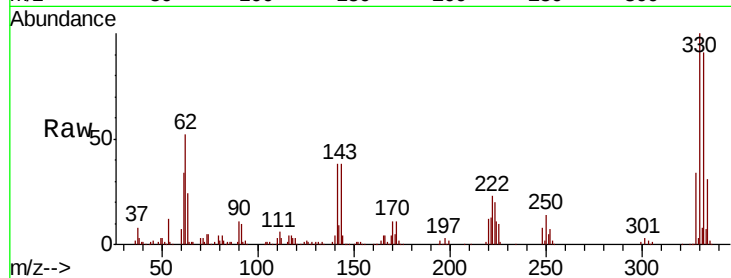




#42  
 2,4,6-Tribromophenol  
 Concen: 137.071 ng  
 RT: 16.26 min Scan# 2243  
 Delta R.T. -0.01 min  
 Lab File: BG039909.D  
 Acq: 13 Mar 2019 19:23

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-031219-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.0  | 75.7  | 113.5 |
| 141     | 42.4  | 35.6  | 53.4  |

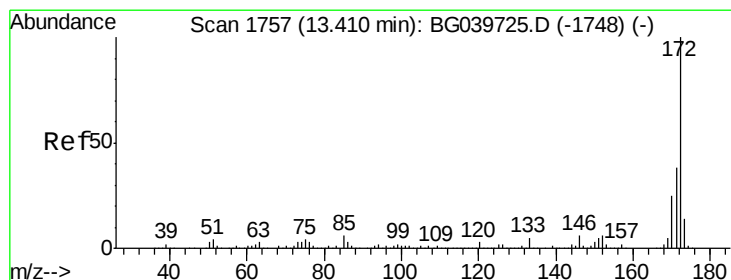
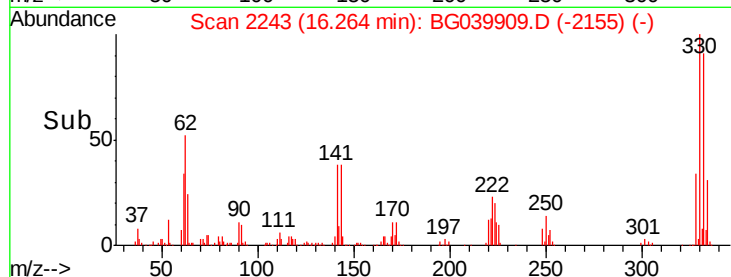
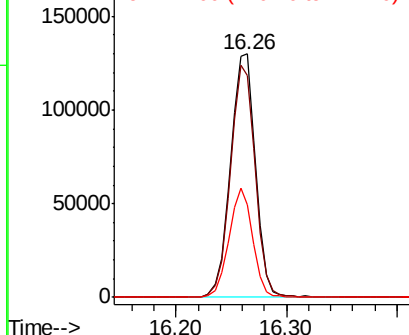


Abundance

Ion 329.80 (329.50 to 330.50): E

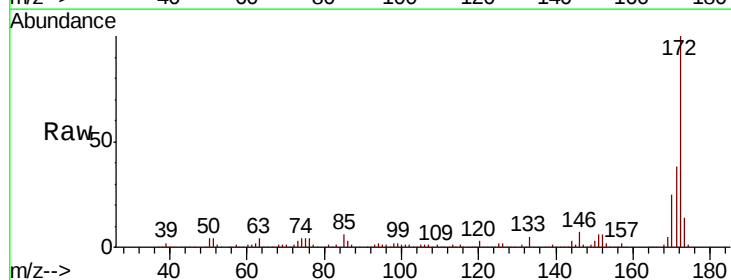
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 88.360 ng  
 RT: 13.40 min Scan# 1755  
 Delta R.T. -0.02 min  
 Lab File: BG039909.D  
 Acq: 13 Mar 2019 19:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.1  | 30.8  | 46.2  |
| 170     | 24.9  | 20.2  | 30.4  |

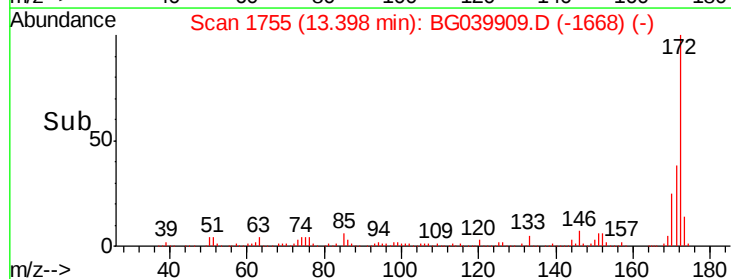
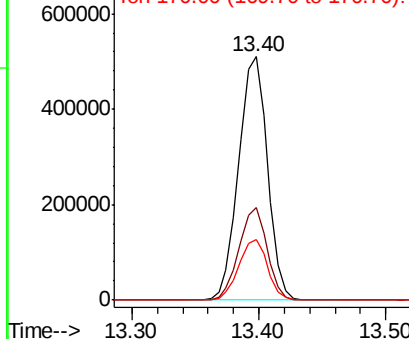


Abundance

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

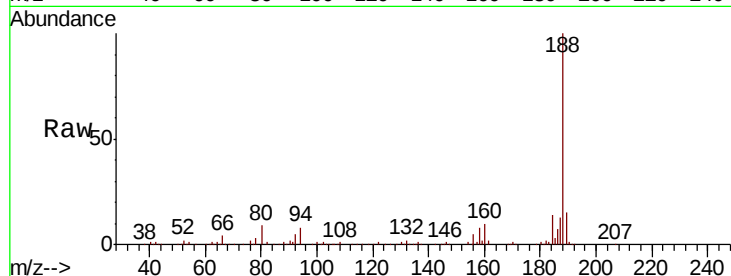




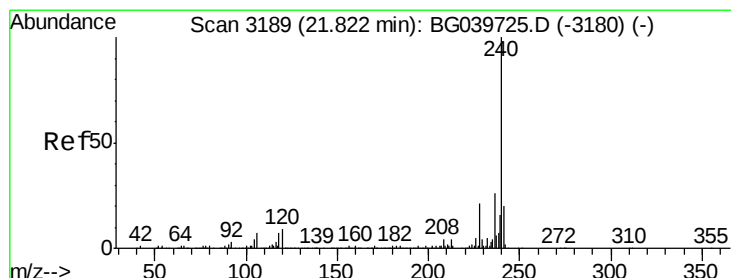
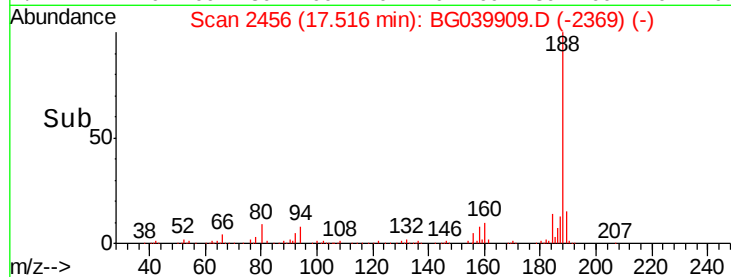
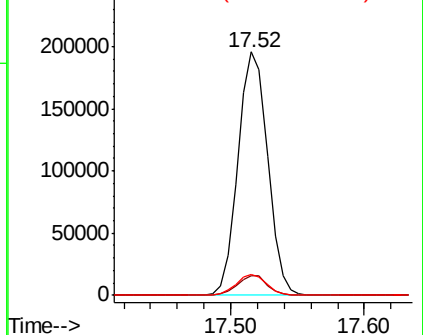
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.52 min Scan# 2456  
Delta R.T. -0.02 min  
Lab File: BG039909.D  
Acq: 13 Mar 2019 19:23

Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-031219-A

Tot Ion:188 Resp: 300551  
Ion Ratio Lower Upper  
188 100  
94 7.9 6.9 10.3  
80 8.6 8.1 12.1

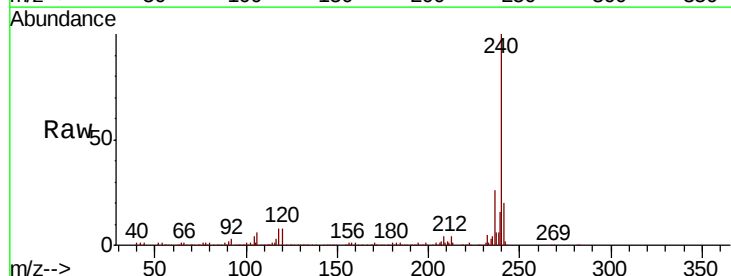


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

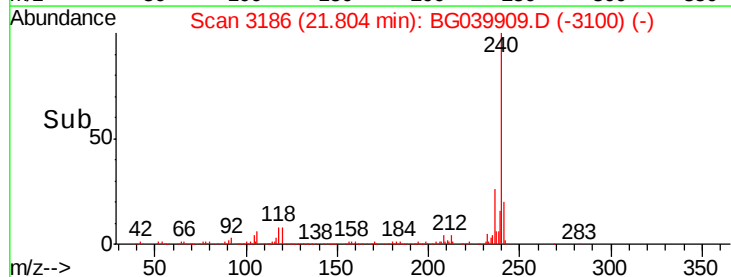
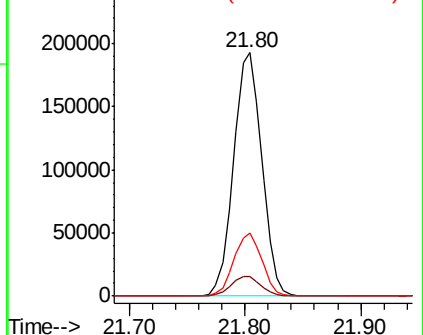


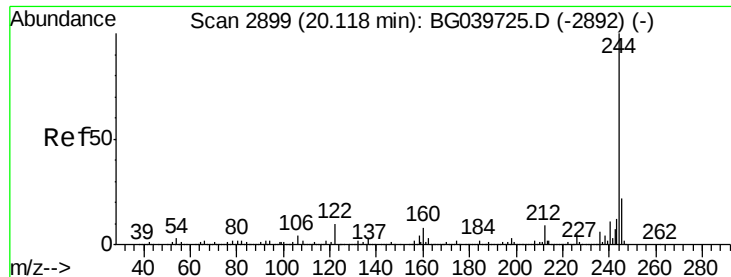
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.80 min Scan# 3186  
Delta R.T. -0.02 min  
Lab File: BG039909.D  
Acq: 13 Mar 2019 19:23

Tgt Ion:240 Resp: 325443  
Ion Ratio Lower Upper  
240 100  
120 8.0 7.0 10.6  
236 26.2 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: 82.243 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039909.D

Acq: 13 Mar 2019 19:23

Instrument :

BNA\_G

ClientSampleId :

OR-02-031219-A

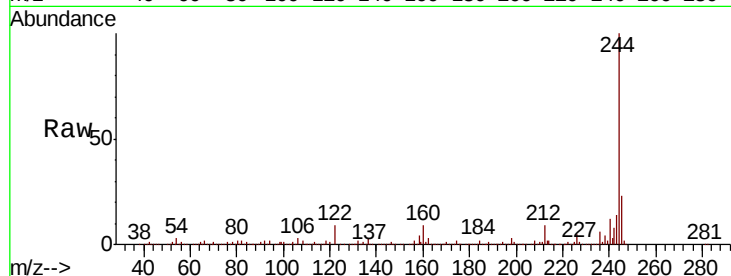
Tot Ion:244 Resp: 1215610

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.4   | 7.3   | 10.9  |
| 122 | 9.3   | 8.4   | 12.6  |

244 100

212 9.4 7.3 10.9

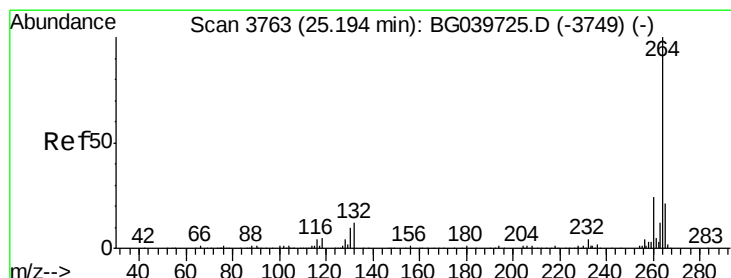
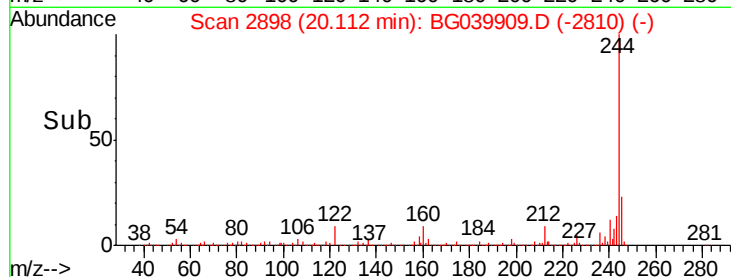
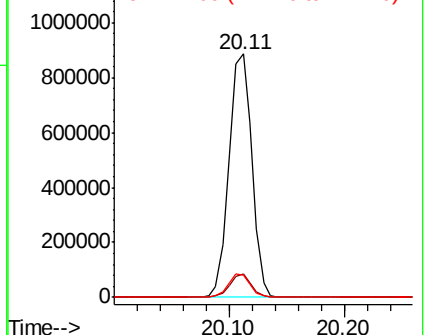
122 9.3 8.4 12.6



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: 25.16 min Scan# 3758

Delta R.T. -0.04 min

Lab File: BG039909.D

Acq: 13 Mar 2019 19:23

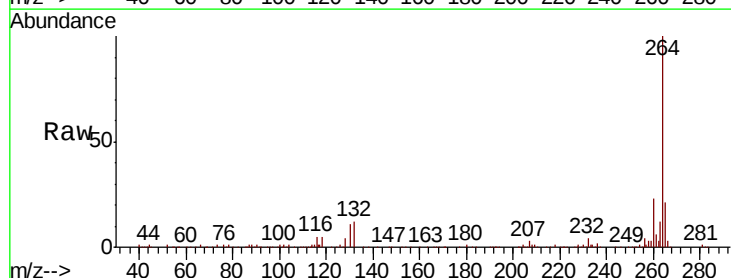
Tgt Ion:264 Resp: 323439

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.0  | 18.2  | 27.4  |
| 265 | 21.3  | 18.5  | 27.7  |

264 100

260 23.0 18.2 27.4

265 21.3 18.5 27.7



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

