

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG121117\  
 Data File : BG031474.D  
 Acq On : 12 Dec 2017 3:50  
 Operator : SJ/JU  
 Sample : I6762-10  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 120417-JETT-E-D-S

Quant Time: Dec 12 07:17:28 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 11 17:25:55 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.11  | 152  | 48973    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.93 | 136  | 206811   | 20.00  | ng    | 0.01     |
| 38) Acenaphthene-d10        | 14.73 | 164  | 143680   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.48 | 188  | 410624   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.74 | 240  | 486273   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.02 | 264  | 466032   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.67  | 112  | 133388   | 48.28  | ng    | 0.00     |
| 7) Phenol-d6                | 7.28  | 99   | 116949   | 30.49  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 330015   | 98.36  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.22 | 330  | 185143   | 109.99 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.36 | 172  | 984628   | 100.59 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.07 | 244  | 1870526  | 87.52  | ng    | 0.00     |

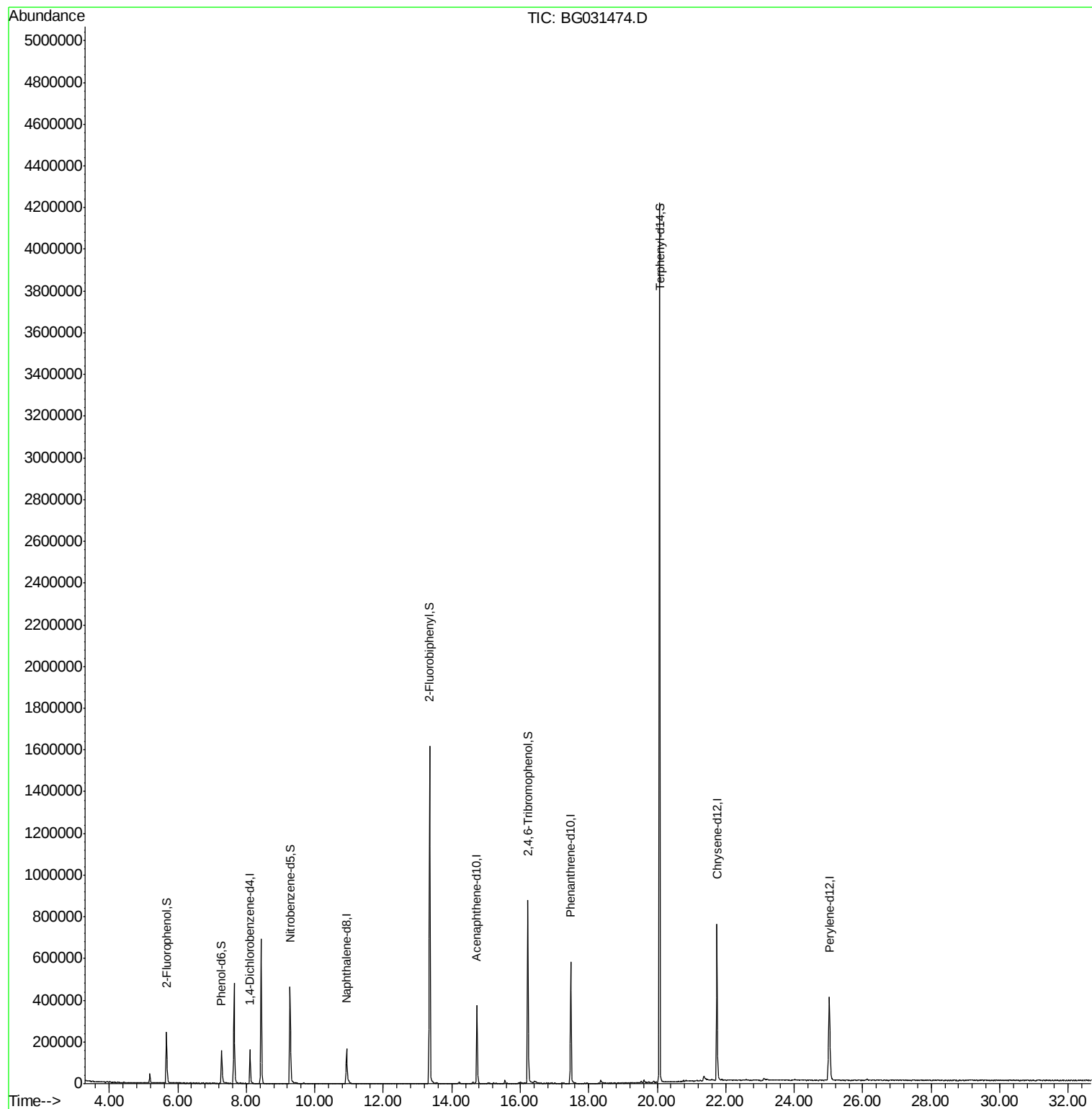
Target Compounds Qvalue

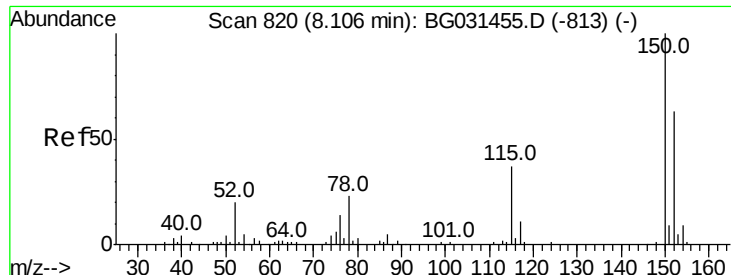
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG121117\  
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Misc :  
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Instrument :  
BNA\_G  
ClientSampleId :  
120417-JETT-E-D-S

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 11 17:25:55 2017  
Response via : Initial Calibration



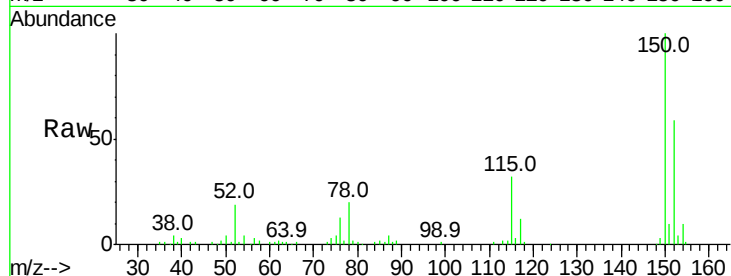


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.11 min Scan# 821  
 Delta R.T. 0.01 min  
 Lab File: BG031474.D  
 Acq: 12 Dec 2017 3:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 120417-JETT-E-D-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 170.1 | 126.6 | 189.8 |
| 115     | 54.4  | 53.0  | 79.4  |

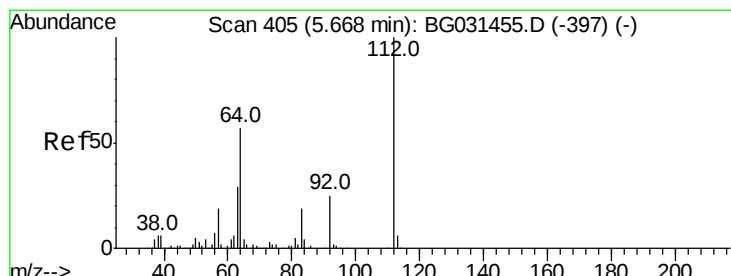
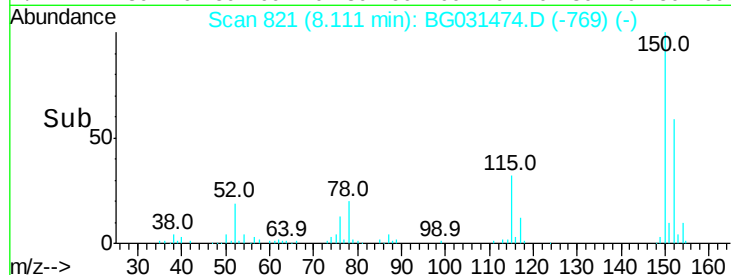
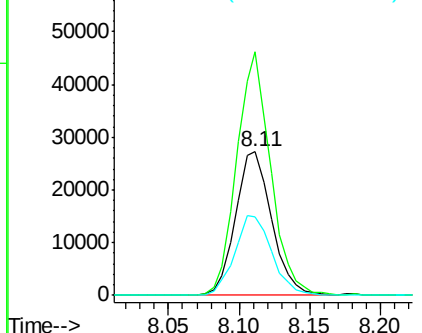


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

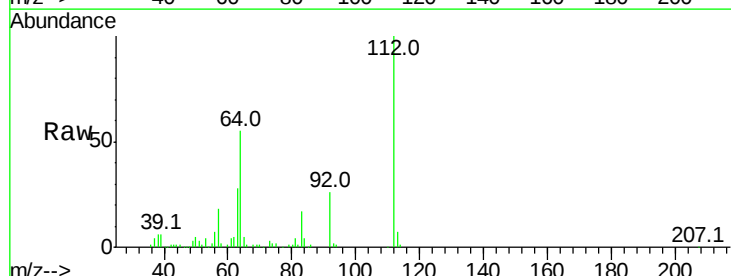
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
 Concen: 48.278 ng  
 RT: 5.67 min Scan# 405  
 Delta R.T. 0.00 min  
 Lab File: BG031474.D  
 Acq: 12 Dec 2017 3:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.0  | 56.3  | 84.5# |
| 63      | 28.0  | 30.1  | 45.1# |

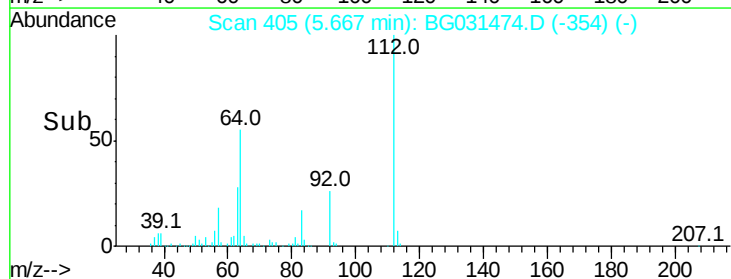
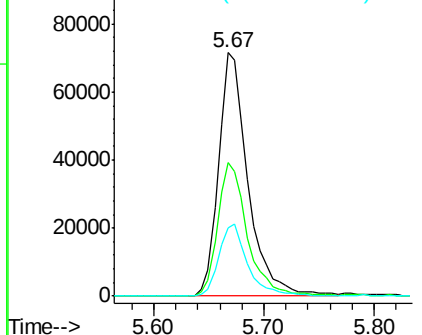


Abundance

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: 30.491 ng

RT: 7.28 min Scan# 679

Delta R.T. 0.01 min

Lab File: BG031474.D

Acq: 12 Dec 2017 3:50

Instrument :

BNA\_G

ClientSampleId :

120417-JETT-E-D-S

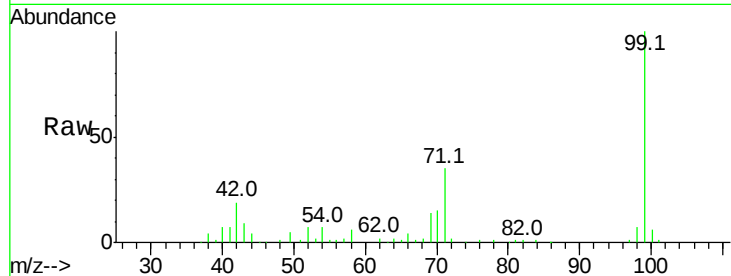
Tot Ion: 99 Resp: 116949

Ion Ratio Lower Upper

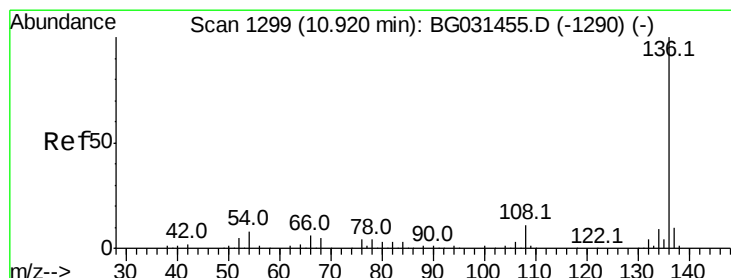
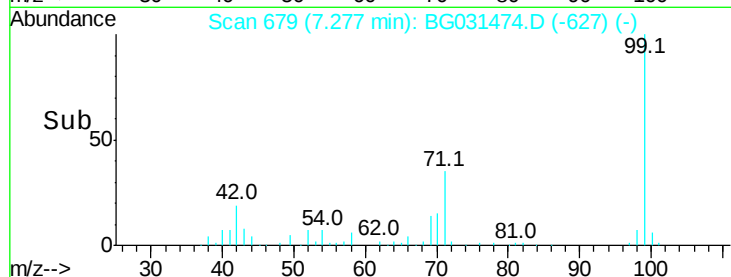
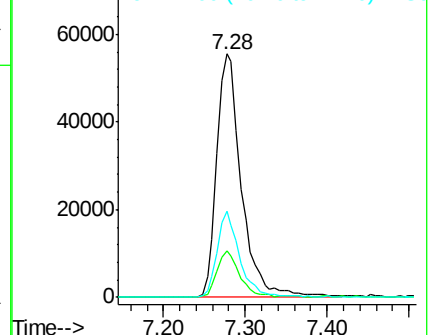
99 100

42 18.9 14.1 21.1

71 35.3 26.1 39.1



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# 1301

Delta R.T. 0.01 min

Lab File: BG031474.D

Acq: 12 Dec 2017 3:50

Tgt Ion: 136 Resp: 206811

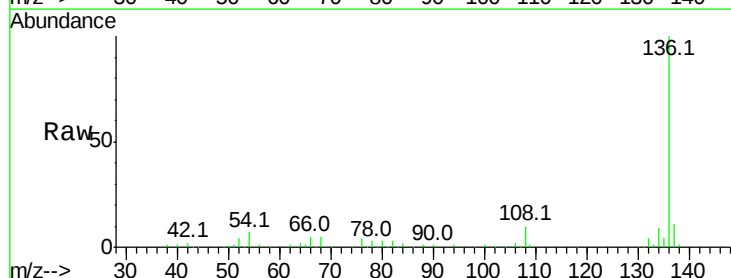
Ion Ratio Lower Upper

136 100

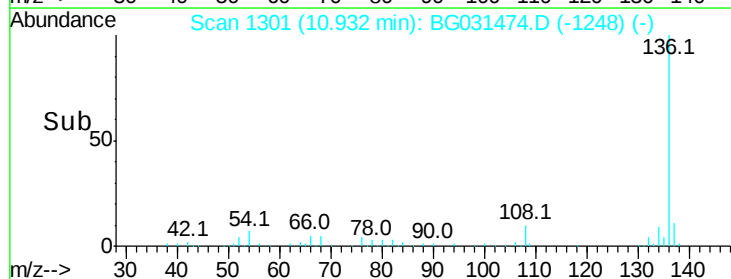
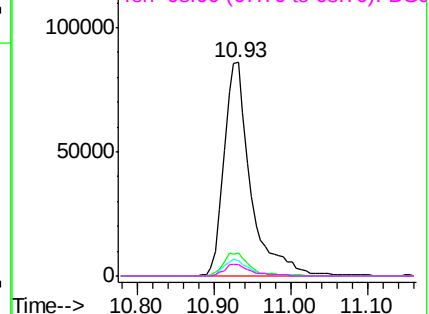
137 10.5 9.2 13.8

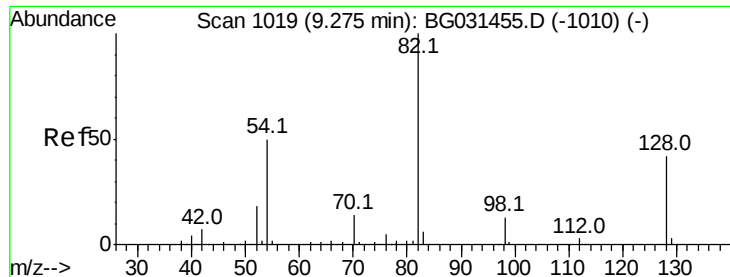
54 7.0 10.3 15.5#

68 5.3 4.5 6.7



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

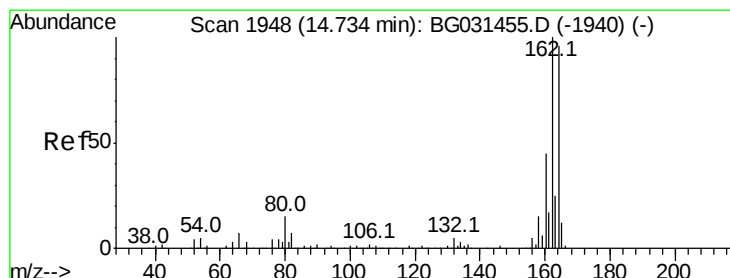
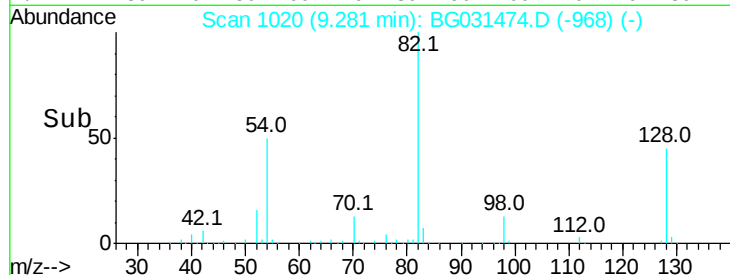
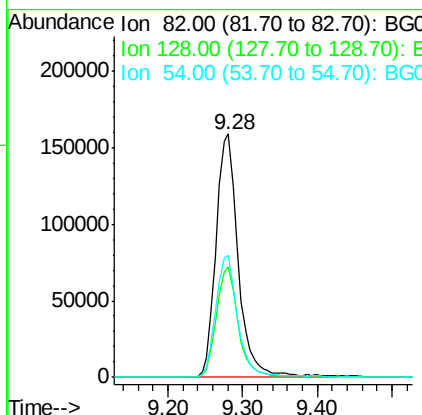
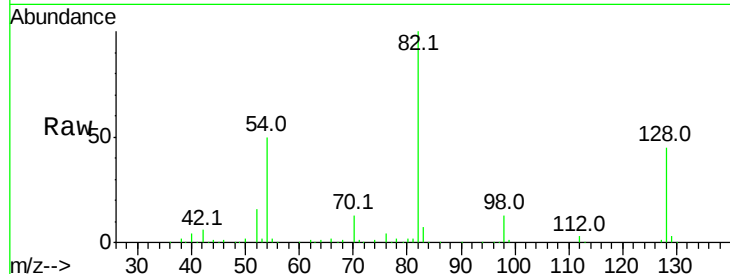




#23  
 Nitrobenzene-d5  
 Concen: 98.356 ng  
 RT: 9.28 min Scan# 1020  
 Delta R.T. 0.01 min  
 Lab File: BG031474.D  
 Acq: 12 Dec 2017 3:50

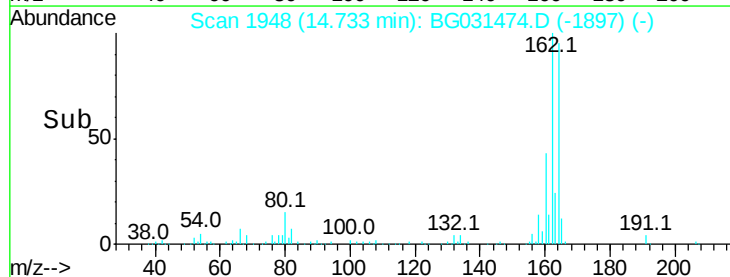
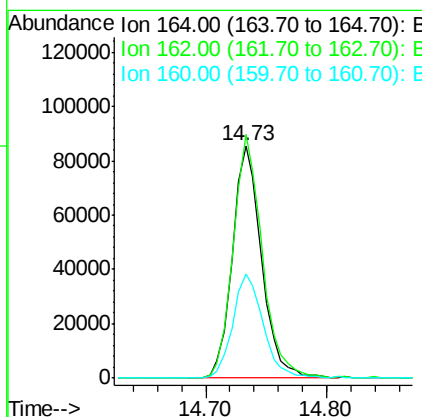
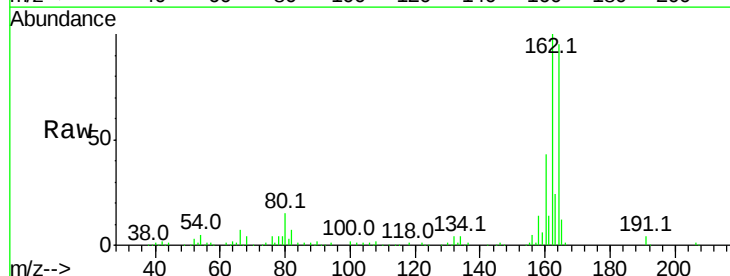
Instrument :  
 BNA\_G  
 ClientSampleId :  
 120417-JETT-E-D-S

| Tot Ion   | 82   | Resp | 330015 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 29.7 |      |        |
| Upper     | 44.5 |      |        |
| 128       | 45.2 |      |        |
| 54        | 49.9 |      |        |
|           | 43.1 |      |        |
|           | 64.7 |      |        |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.73 min Scan# 1948  
 Delta R.T. -0.00 min  
 Lab File: BG031474.D  
 Acq: 12 Dec 2017 3:50

| Tgt Ion   | 164   | Resp | 143680 |
|-----------|-------|------|--------|
| Ion Ratio | 100   |      |        |
| Lower     | 78.8  |      |        |
| Upper     | 118.2 |      |        |
| 162       | 104.8 |      |        |
| 160       | 45.0  |      |        |
|           | 35.4  |      |        |
|           | 53.0  |      |        |

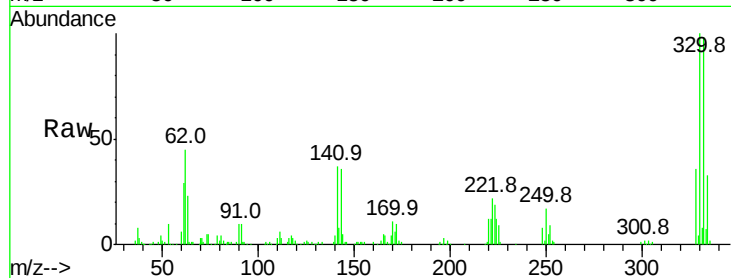




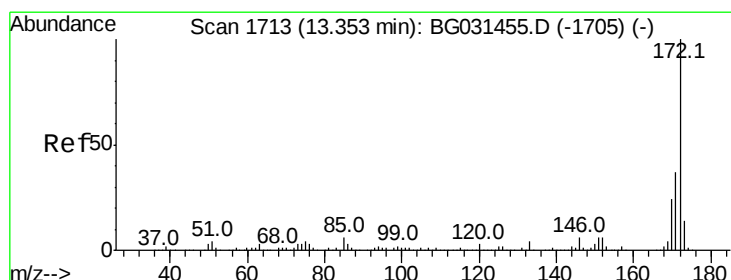
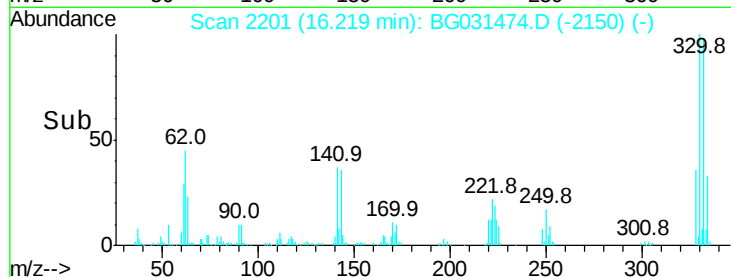
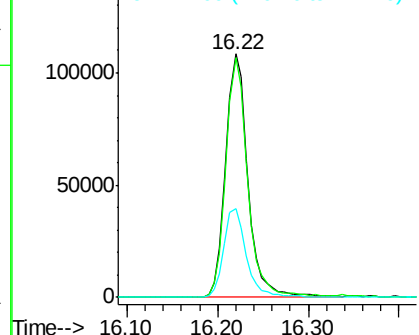
#41  
 2,4,6-Tribromophenol  
 Concen: 109.990 ng  
 RT: 16.22 min Scan# 2201  
 Delta R.T. -0.00 min  
 Lab File: BG031474.D  
 Acq: 12 Dec 2017 3:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 120417-JETT-E-D-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 77.0  | 115.6 |
| 141     | 36.9  | 25.2  | 37.8  |

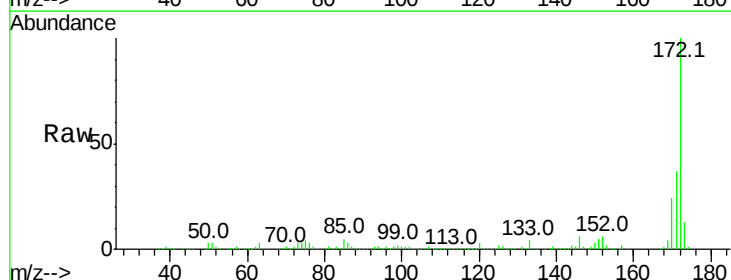


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

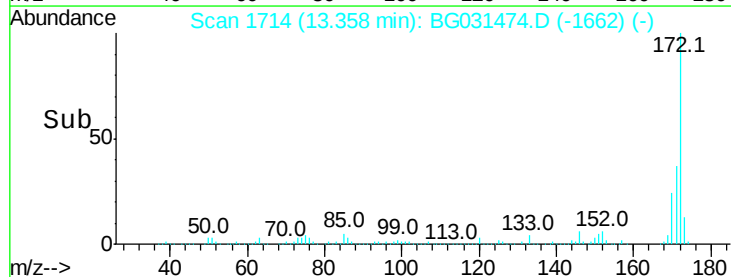
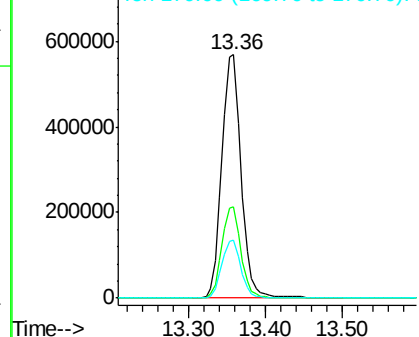


#44  
 2-Fluorobiphenyl  
 Concen: 100.592 ng  
 RT: 13.36 min Scan# 1714  
 Delta R.T. 0.01 min  
 Lab File: BG031474.D  
 Acq: 12 Dec 2017 3:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.4  | 30.0  | 45.0  |
| 170     | 23.9  | 19.5  | 29.3  |



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

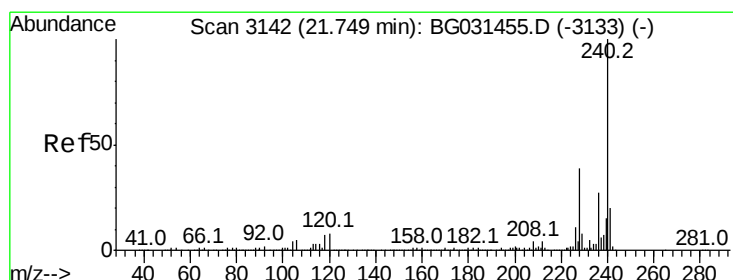
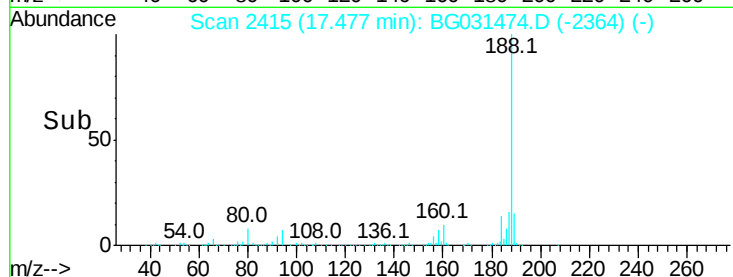
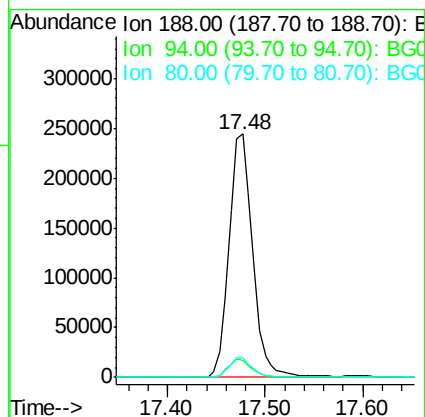
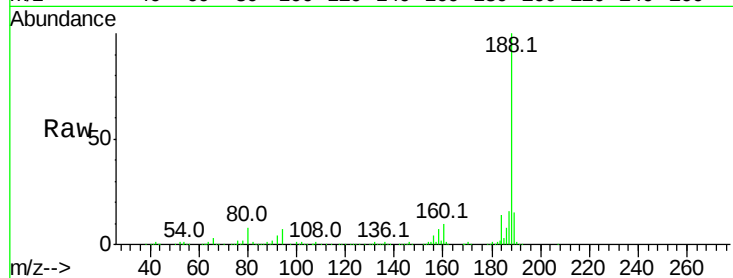




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.48 min Scan# 2415  
Delta R.T. -0.00 min  
Lab File: BG031474.D  
Acq: 12 Dec 2017 3:50

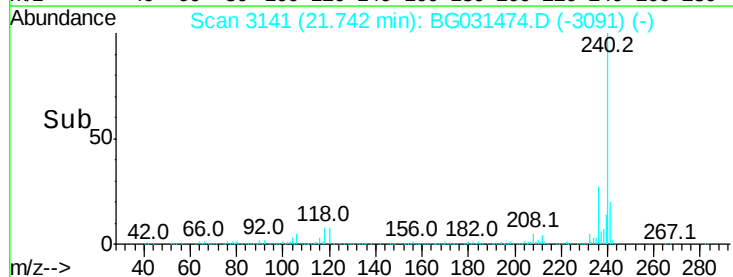
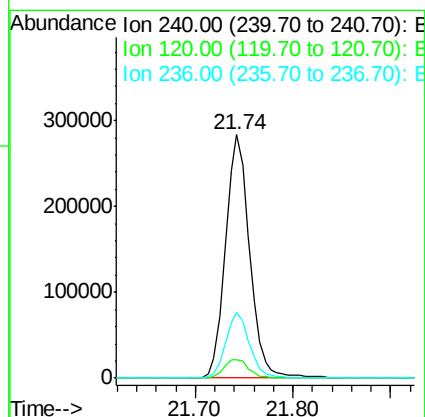
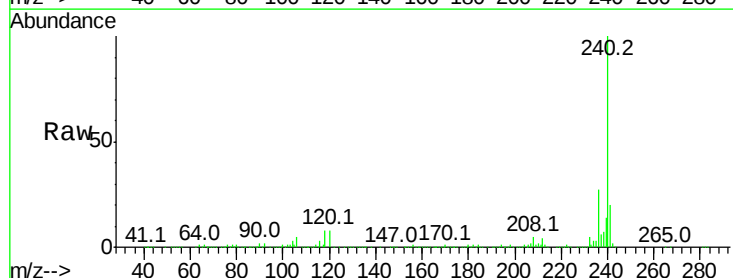
Instrument :  
BNA\_G  
ClientSampleId :  
120417-JETT-E-D-S

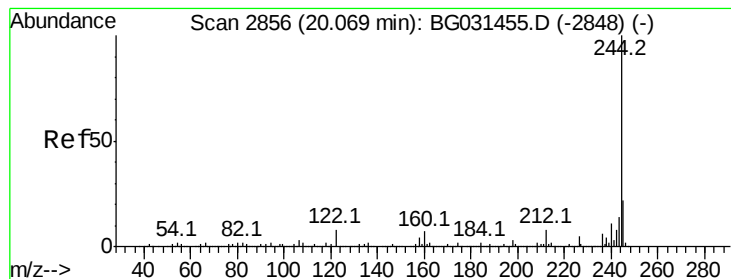
Tot Ion:188 Resp: 410624  
Ion Ratio Lower Upper  
188 100  
94 6.8 6.9 10.3#  
80 7.9 7.7 11.5



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.74 min Scan# 3141  
Delta R.T. -0.01 min  
Lab File: BG031474.D  
Acq: 12 Dec 2017 3:50

Tgt Ion:240 Resp: 486273  
Ion Ratio Lower Upper  
240 100  
120 7.5 6.8 10.2  
236 26.9 20.9 31.3





#78

Terphenyl-d14

Concen: 87.518 ng

RT: 20.07 min Scan# 2856

Delta R.T. -0.00 min

Lab File: BG031474.D

Acq: 12 Dec 2017 3:50

Instrument :

BNA\_G

ClientSampleId :

120417-JETT-E-D-S

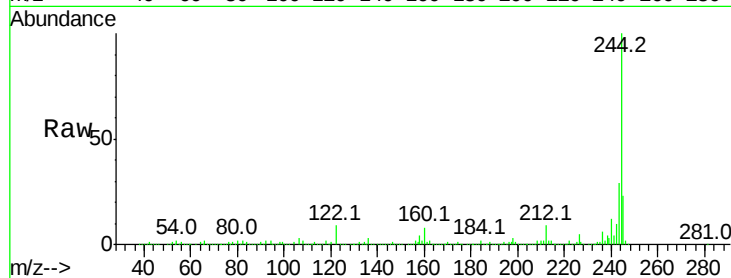
Tot Ion:244 Resp: 1870526

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.6   | 5.8   | 8.8   |
| 122 | 8.9   | 7.0   | 10.4  |

244 100

212 8.6 5.8 8.8

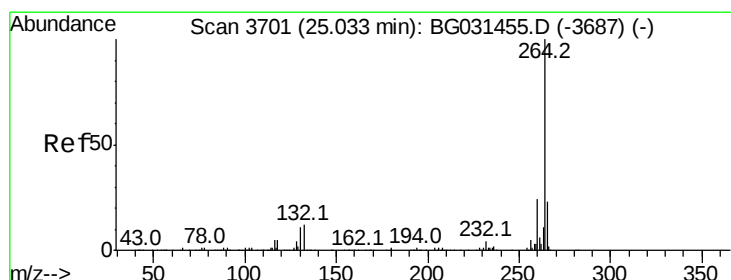
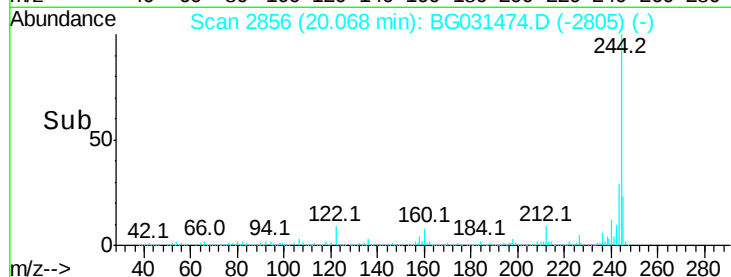
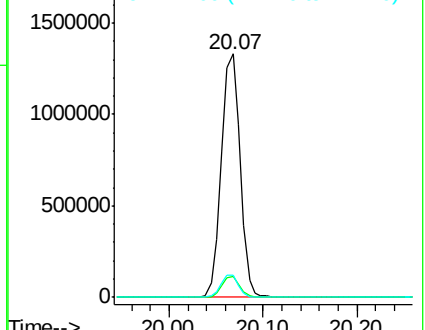
122 8.9 7.0 10.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3699

Delta R.T. -0.01 min

Lab File: BG031474.D

Acq: 12 Dec 2017 3:50

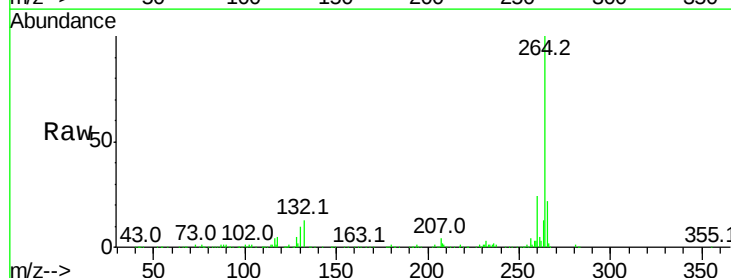
Tgt Ion:264 Resp: 466032

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 17.4  | 26.0  |
| 265 | 22.2  | 17.7  | 26.5  |

264 100

260 23.8 17.4 26.0

265 22.2 17.7 26.5



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

