

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG042619\  
 Data File : BG040634.D  
 Acq On : 26 Apr 2019 18:06  
 Operator : JU/SJ  
 Sample : K2566-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S37-0017

Quant Time: Apr 27 04:02:13 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG042319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 24 05:35:33 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.16  | 152  | 54947    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.98 | 136  | 240712   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.79 | 164  | 177552   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.53 | 188  | 468045   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.82 | 240  | 463272   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 25.19 | 264  | 492173   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.69  | 112  | 127268   | 40.83 | ng    | 0.00     |
| 7) Phenol-d6                | 7.29  | 99   | 117325   | 24.45 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.34  | 82   | 393801   | 75.59 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.27 | 330  | 219672   | 90.01 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.41 | 172  | 862790   | 70.18 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.13 | 244  | 1528645  | 73.10 | ng    | 0.00     |

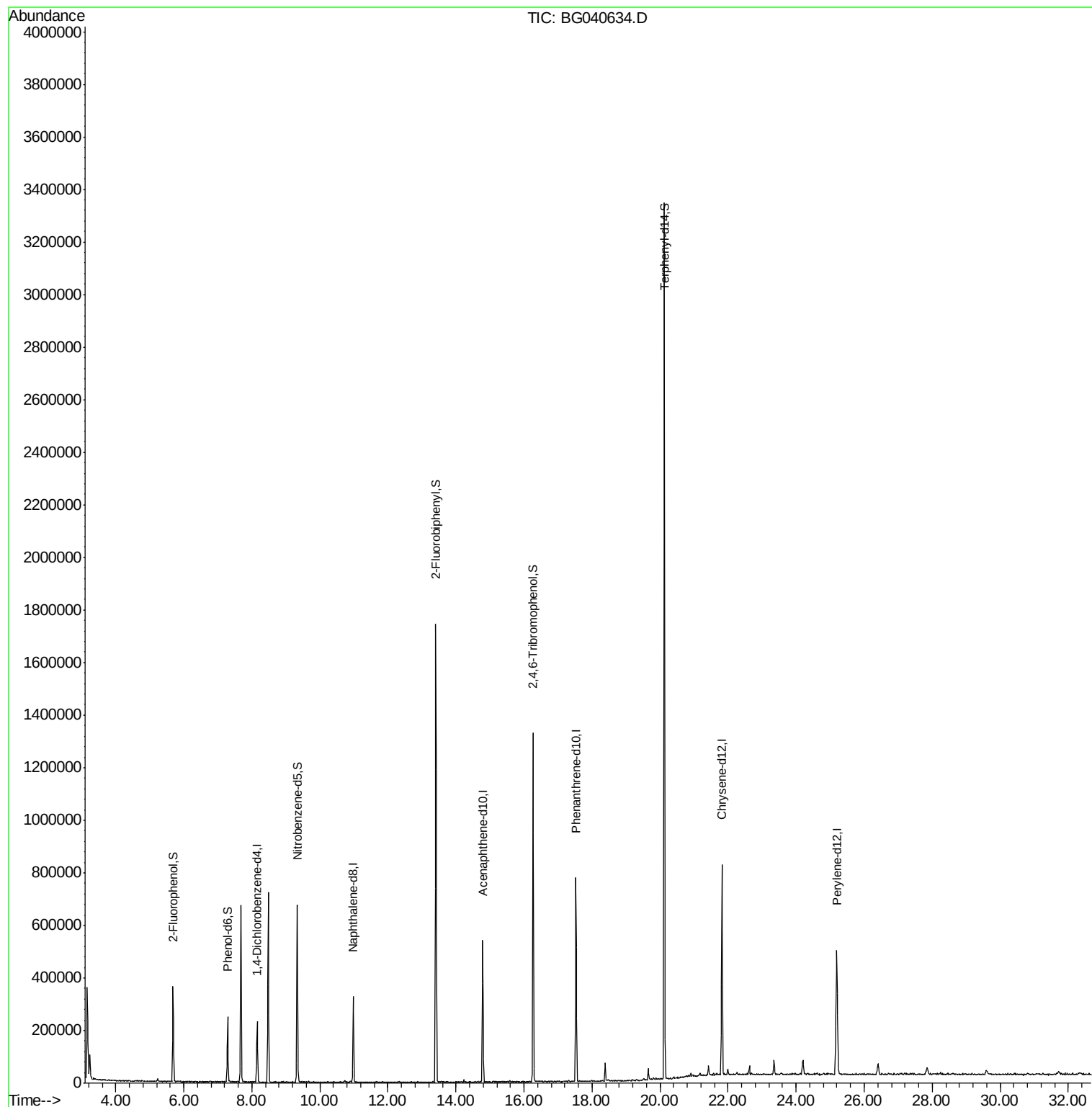
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

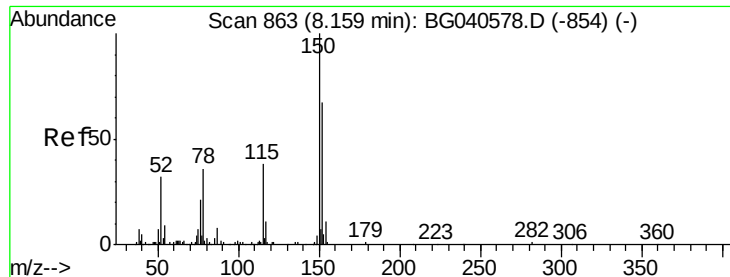
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
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Response via : Initial Calibration



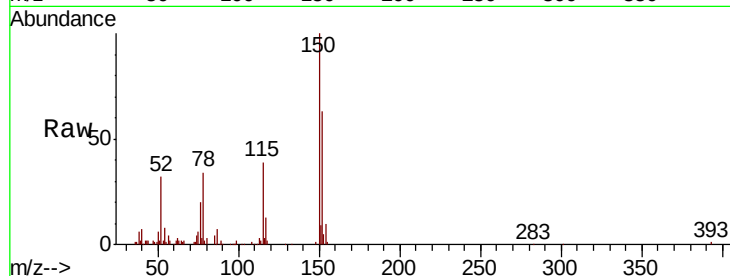


#1

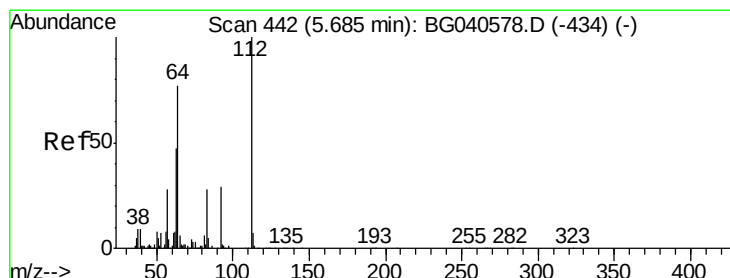
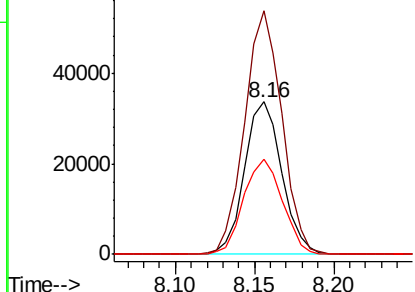
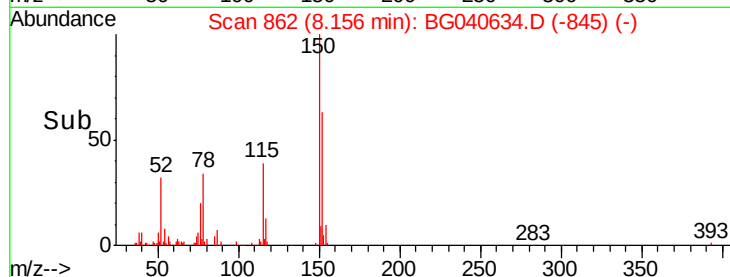
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.16 min Scan# 862  
Delta R.T. -0.00 min  
Lab File: BG040634.D  
Acq: 26 Apr 2019 18:06

Instrument :  
BNA\_G  
ClientSampleId :  
S37-0017

Tgt Ion:152 Resp: 54947  
Ion Ratio Lower Upper  
152 100  
150 159.8 120.2 180.2  
115 62.3 46.2 69.2



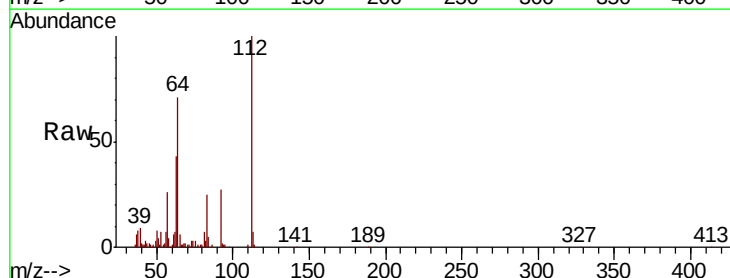
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



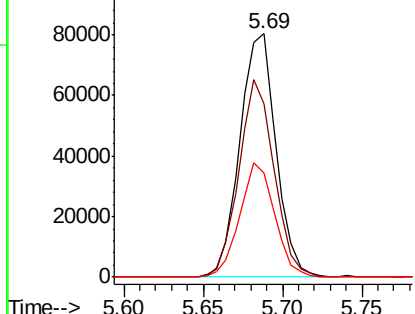
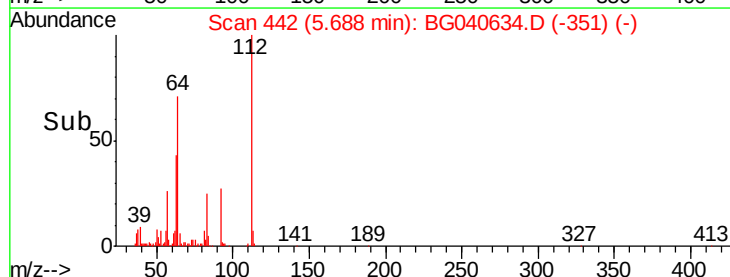
#5

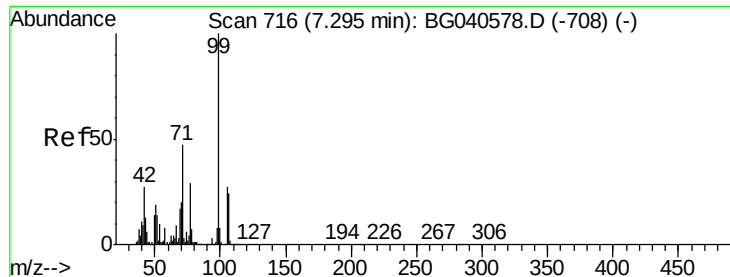
2-Fluorophenol  
Concen: 40.829 ng  
RT: 5.69 min Scan# 442  
Delta R.T. 0.00 min  
Lab File: BG040634.D  
Acq: 26 Apr 2019 18:06

Tgt Ion:112 Resp: 127268  
Ion Ratio Lower Upper  
112 100  
64 71.1 61.4 92.0  
63 42.6 37.8 56.6



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: 24.446 ng

RT: 7.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040634.D

Acq: 26 Apr 2019 18:06

Instrument :

BNA\_G

ClientSampleId :

S37-0017

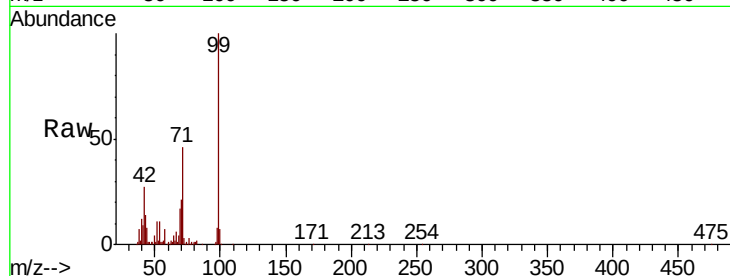
Tgt Ion: 99 Resp: 117325

Ion Ratio Lower Upper

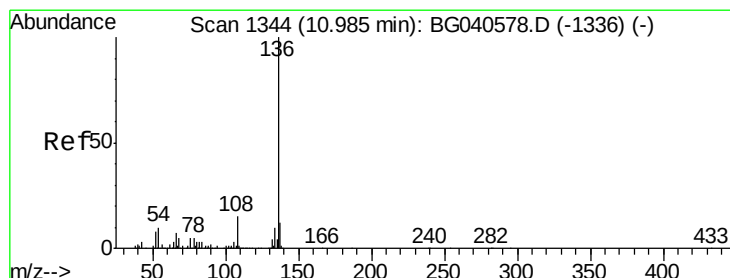
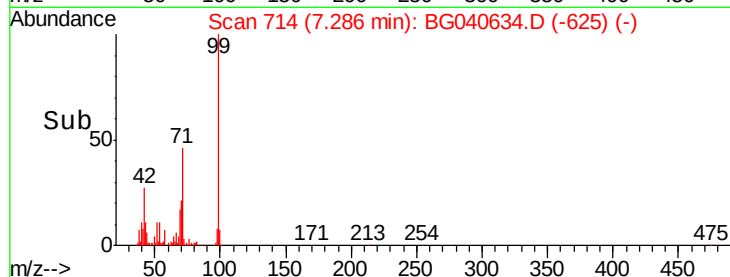
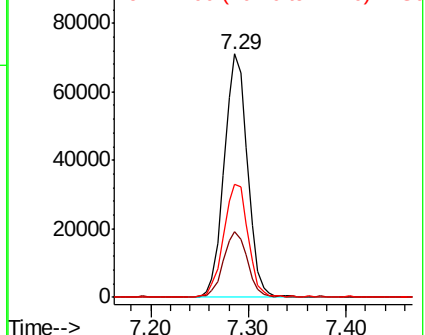
99 100

42 26.8 21.8 32.8

71 46.4 38.6 57.8



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: 10.98 min Scan# 1343

Delta R.T. -0.00 min

Lab File: BG040634.D

Acq: 26 Apr 2019 18:06

Tgt Ion: 136 Resp: 240712

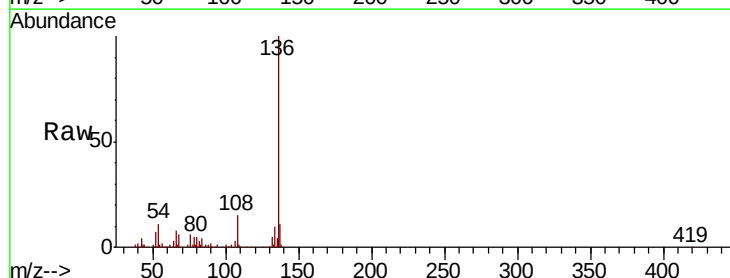
Ion Ratio Lower Upper

136 100

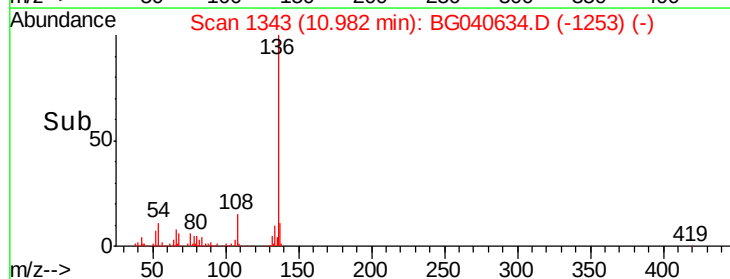
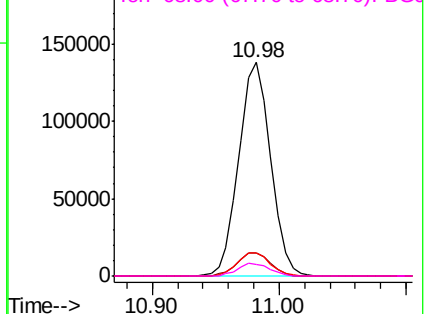
137 11.1 9.7 14.5

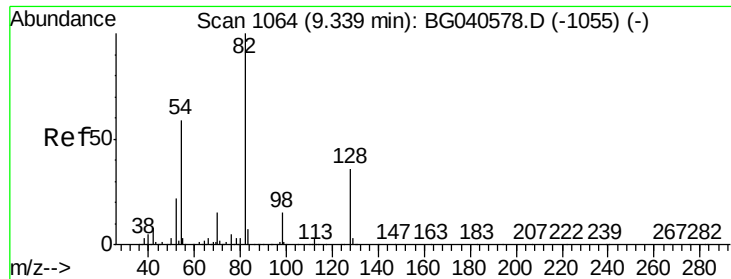
54 11.0 8.6 12.8

68 5.5 4.8 7.2



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

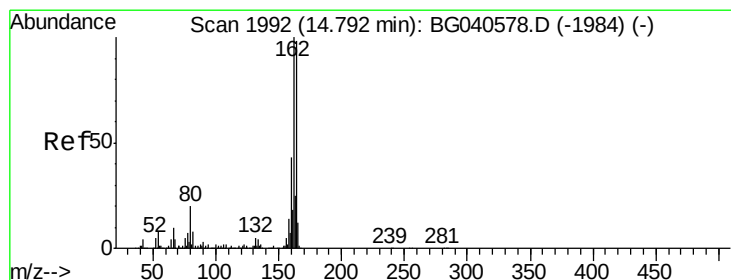
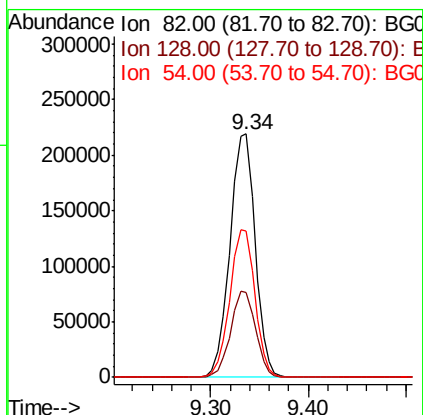
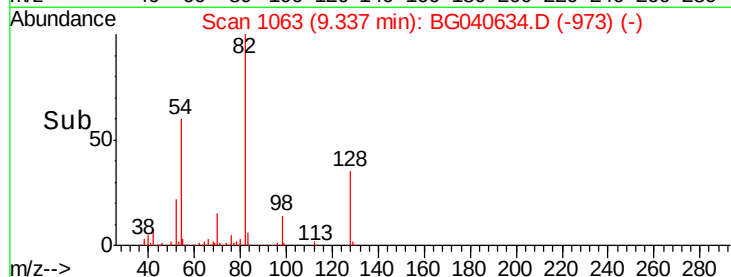
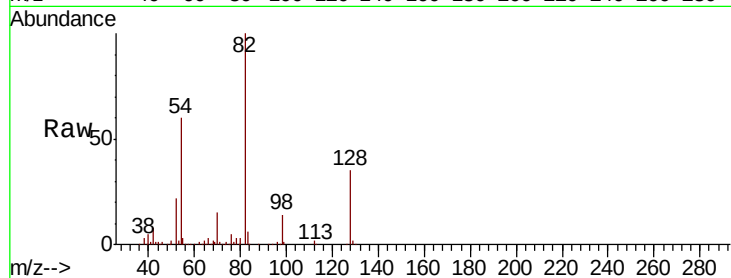




#23  
 Nitrobenzene-d5  
 Concen: 75.593 ng  
 RT: 9.34 min Scan# 1063  
 Delta R.T. -0.00 min  
 Lab File: BG040634.D  
 Acq: 26 Apr 2019 18:06

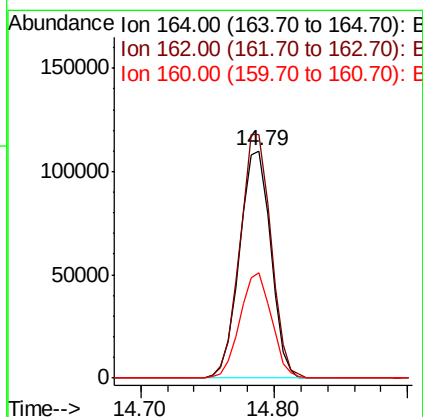
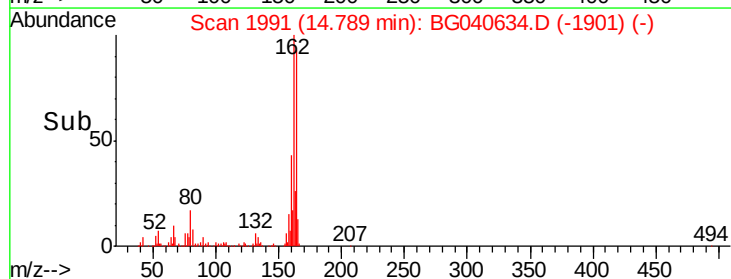
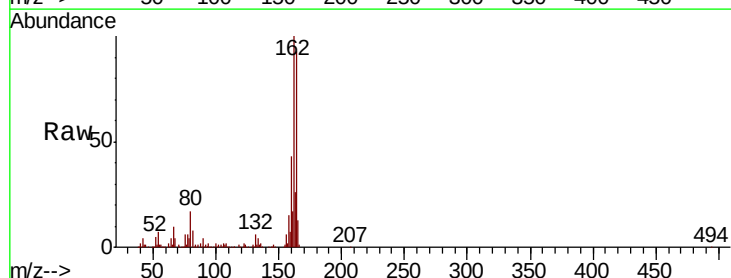
Instrument :  
 BNA\_G  
 ClientSampleId :  
 S37-0017

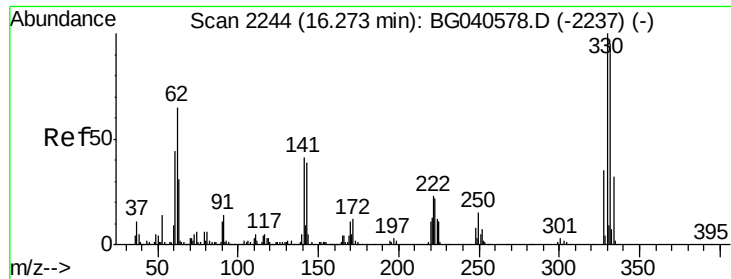
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 393801 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 34.6  | 28.9  | 43.3   |
| 54       | 59.9  | 47.2  | 70.8   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.79 min Scan# 1991  
 Delta R.T. -0.00 min  
 Lab File: BG040634.D  
 Acq: 26 Apr 2019 18:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 177552 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 107.0 | 81.9  | 122.9  |
| 160      | 46.4  | 35.4  | 53.2   |

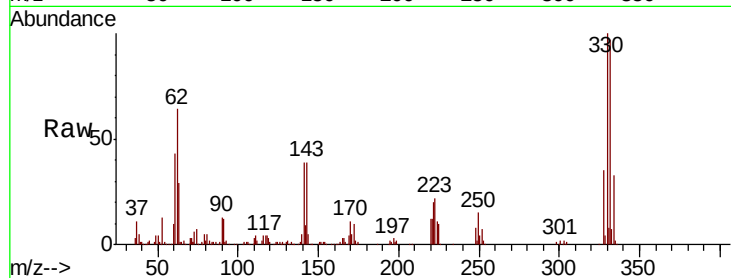




#42  
 2,4,6-Tribromophenol  
 Concen: 90.011 ng  
 RT: 16.27 min Scan# 2243  
 Delta R.T. -0.00 min  
 Lab File: BG040634.D  
 Acq: 26 Apr 2019 18:06

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S37-0017

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 75.9  | 113.9 |
| 141     | 41.5  | 32.4  | 48.6  |

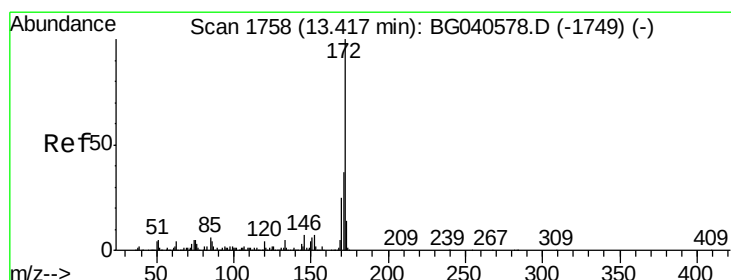
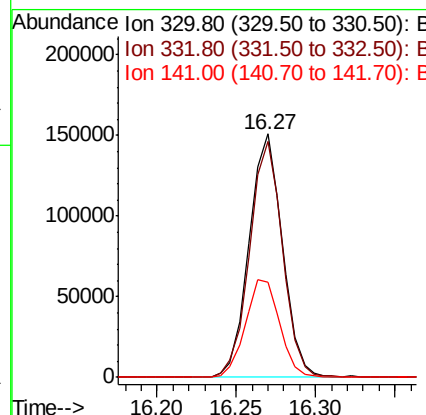
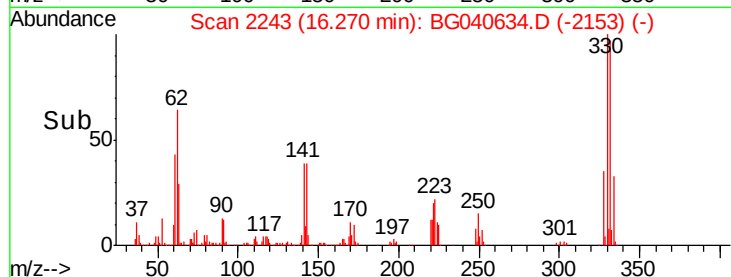


Abundance

Ion 329.80 (329.50 to 330.50): E

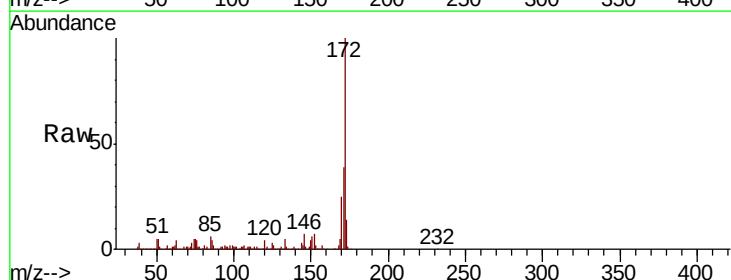
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 70.179 ng  
 RT: 13.41 min Scan# 1757  
 Delta R.T. -0.00 min  
 Lab File: BG040634.D  
 Acq: 26 Apr 2019 18:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.7  | 29.4  | 44.2  |
| 170     | 25.0  | 19.9  | 29.9  |

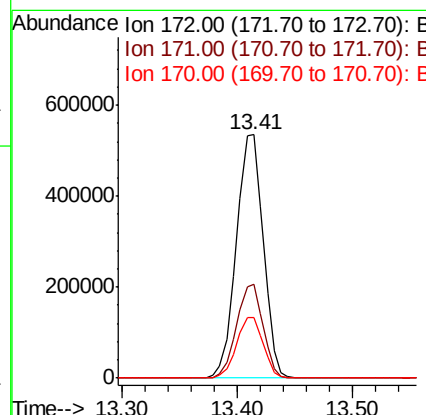
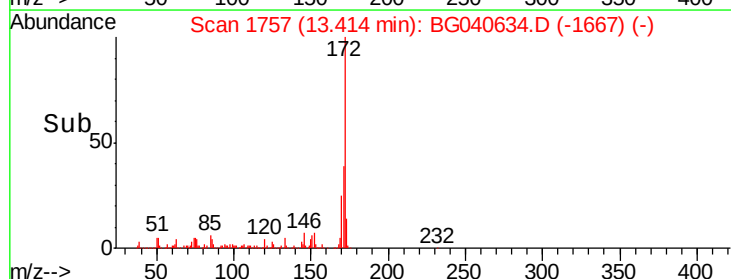


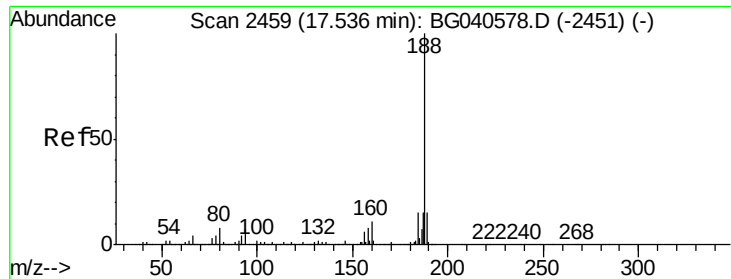
Abundance

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: 17.53 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BG040634.D

Acq: 26 Apr 2019 18:06

Instrument :

BNA\_G

ClientSampleId :

S37-0017

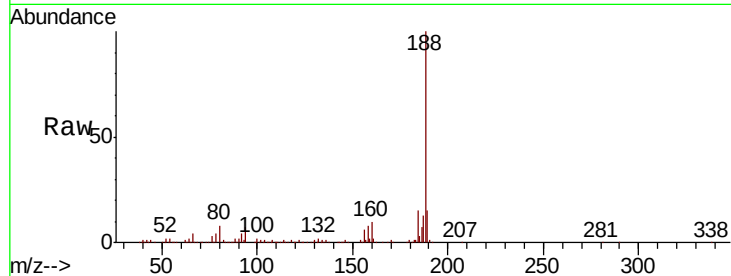
Tgt Ion:188 Resp: 468045

Ion Ratio Lower Upper

188 100

94 6.9 5.6 8.4

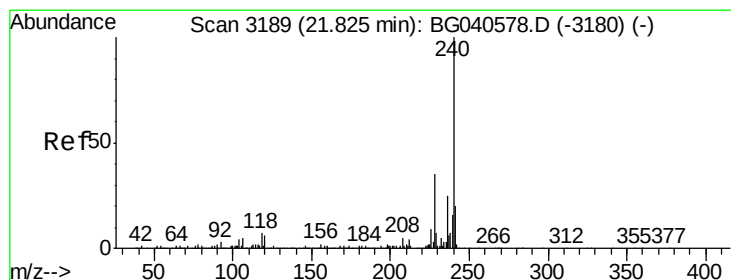
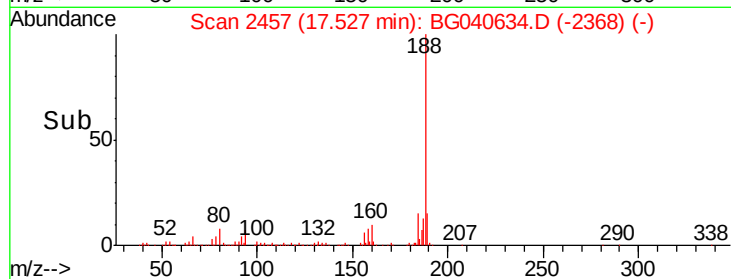
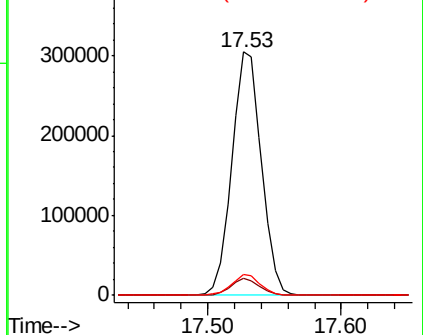
80 8.4 6.4 9.6



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: 21.82 min Scan# 3187

Delta R.T. -0.01 min

Lab File: BG040634.D

Acq: 26 Apr 2019 18:06

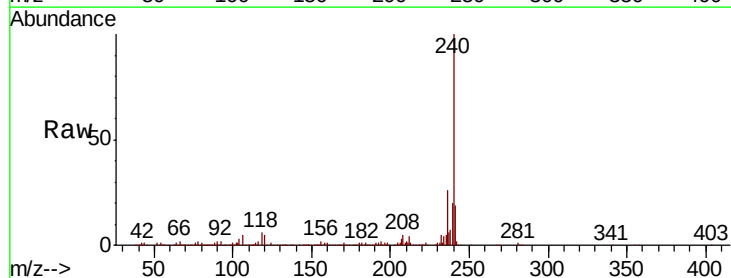
Tgt Ion:240 Resp: 463272

Ion Ratio Lower Upper

240 100

120 5.4 5.0 7.6

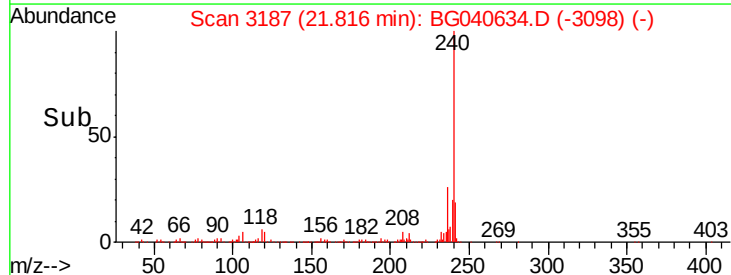
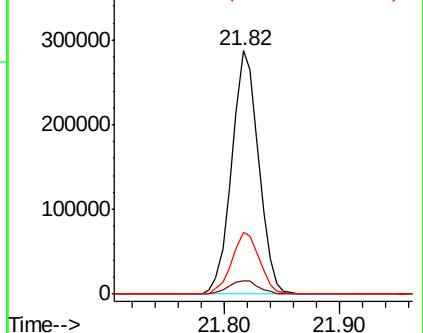
236 25.6 20.3 30.5

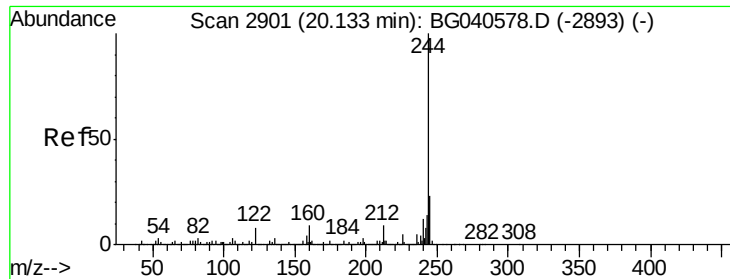


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 73.102 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG040634.D

Acq: 26 Apr 2019 18:06

Instrument :

BNA\_G

ClientSampleId :

S37-0017

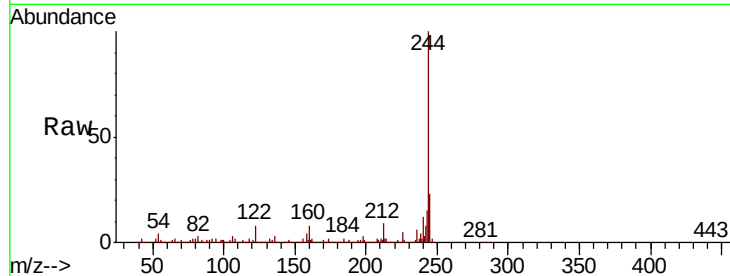
Tgt Ion:244 Resp: 1528645

Ion Ratio Lower Upper

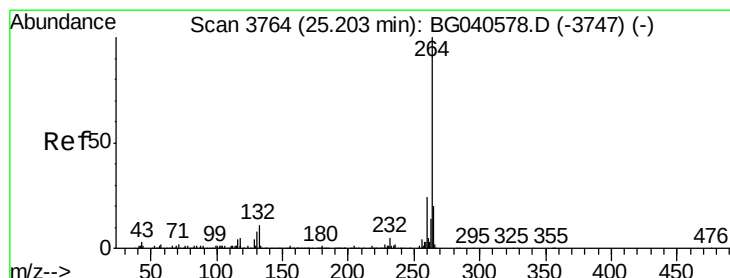
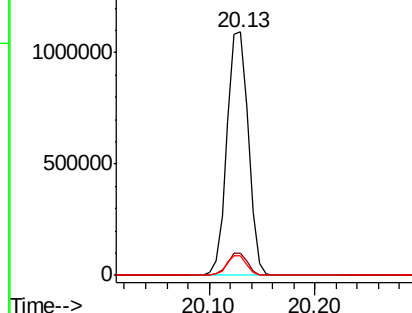
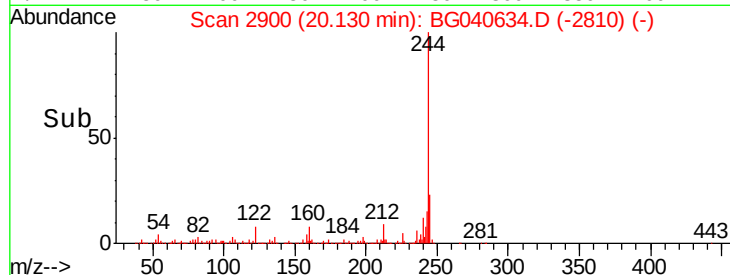
244 100

212 9.2 7.2 10.8

122 7.9 6.6 10.0



Abundance Ion 244.00 (243.70 to 244.70): E  
1500000  
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: 25.19 min Scan# 3762

Delta R.T. -0.01 min

Lab File: BG040634.D

Acq: 26 Apr 2019 18:06

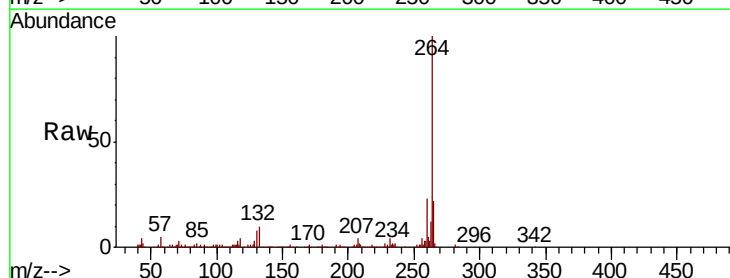
Tgt Ion:264 Resp: 492173

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.7 16.6 25.0



Abundance Ion 264.00 (263.70 to 264.70): E  
200000  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

