

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050719\  
 Data File : BG040772.D  
 Acq On : 7 May 2019 16:36  
 Operator : HP/JU  
 Sample : K2680-03  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSSI-0502-S-TCLP-10

Quant Time: May 08 08:34:05 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   | 8.15  | 152  | 44159    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.97 | 136  | 181782   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.77 | 164  | 140972   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.51 | 188  | 371147   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.80 | 240  | 375222   | 20.00  | ng    | -0.03    |
| 87) Perylene-d12            | 25.15 | 264  | 299978   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.67  | 112  | 316671   | 126.41 | ng    | -0.01    |
| 7) Phenol-d6                | 7.28  | 99   | 408522   | 105.91 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.32  | 82   | 420132   | 106.79 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.25 | 330  | 211353   | 109.07 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 13.39 | 172  | 920026   | 94.25  | ng    | -0.02    |
| 79) Terphenyl-d14           | 20.11 | 244  | 1808074  | 106.75 | ng    | -0.02    |

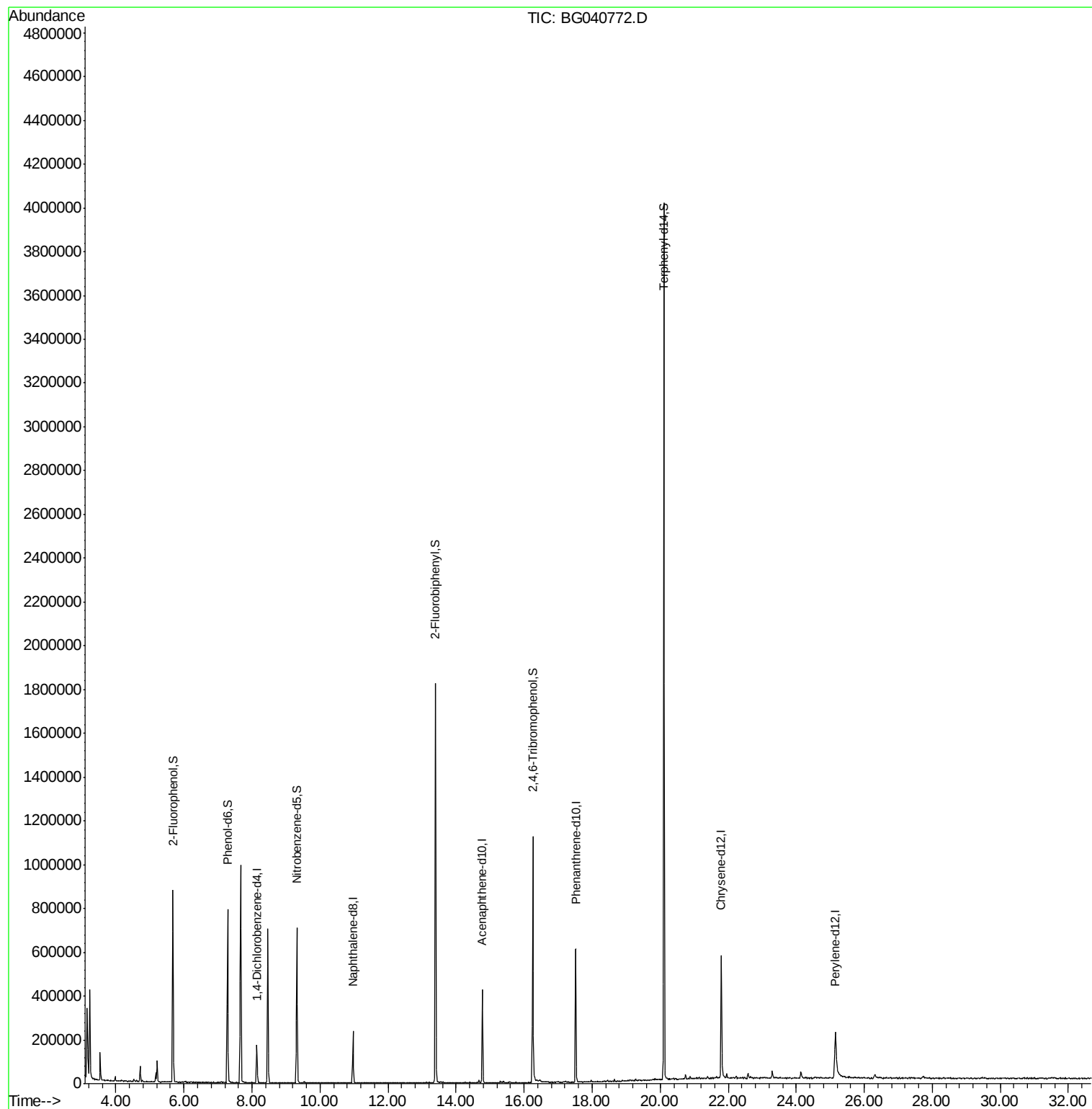
Target Compounds Qvalue

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050719\  
Data File : BG040772.D  
Acq On : 7 May 2019 16:36  
Operator : HP/JU  
Sample : K2680-03  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SSSI-0502-S-TCLP-10

Quant Time: May 08 08:34:05 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



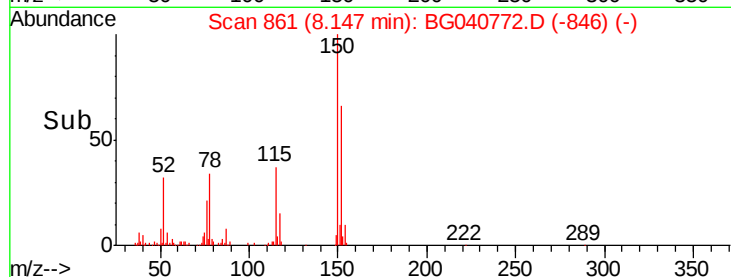
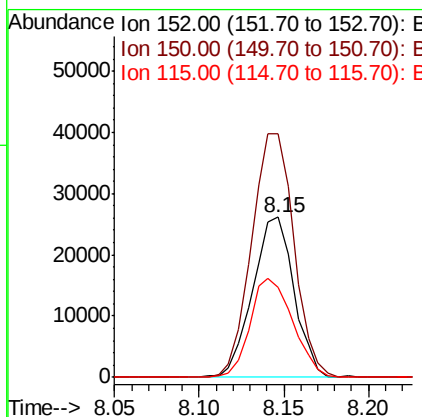
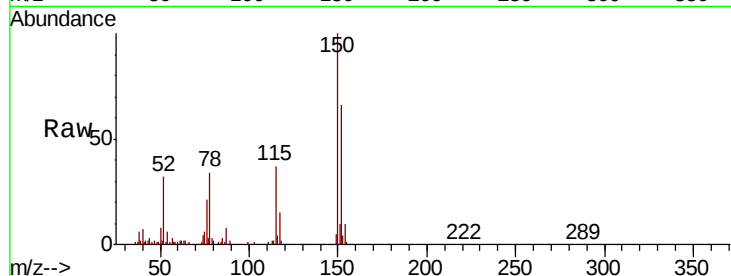


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.15 min Scan# 861  
Delta R.T. -0.01 min  
Lab File: BG040772.D  
Acq: 7 May 2019 16:36

Instrument :  
BNA\_G  
ClientSampleId :  
SSSI-0502-S-TCLP-10

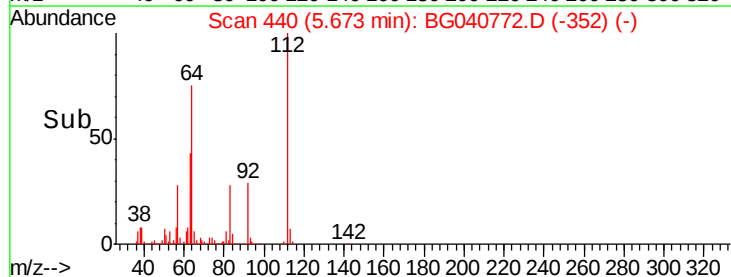
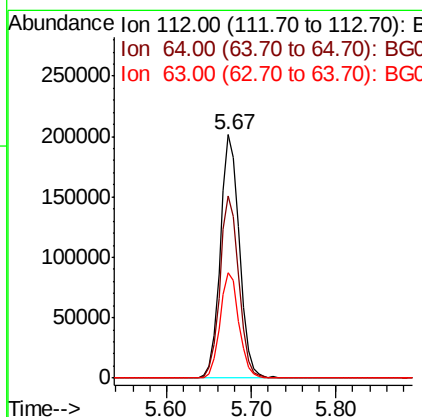
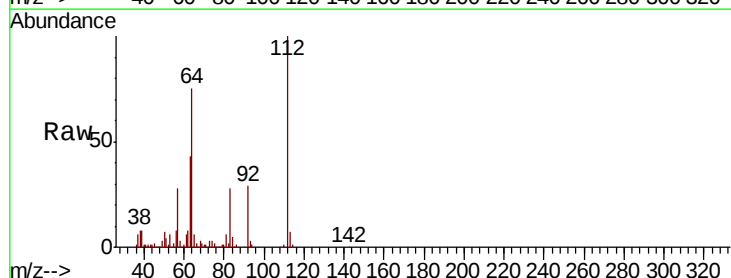
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.3 | 120.2 | 180.2 |
| 115     | 56.2  | 46.2  | 69.2  |



#5

2-Fluorophenol  
Concen: 126.411 ng  
RT: 5.67 min Scan# 440  
Delta R.T. -0.01 min  
Lab File: BG040772.D  
Acq: 7 May 2019 16:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 74.8  | 61.4  | 92.0  |
| 63      | 43.5  | 37.8  | 56.6  |





#7

Phenol-d6

Concen: 105.913 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040772.D

Acq: 7 May 2019 16:36

Instrument :

BNA\_G

ClientSampleId :

SSSI-0502-S-TCLP-10

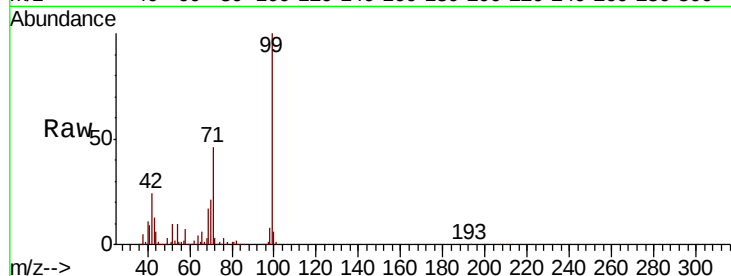
Tot Ion: 99 Resp: 408522

Ion Ratio Lower Upper

99 100

42 23.6 21.8 32.8

71 46.0 38.6 57.8

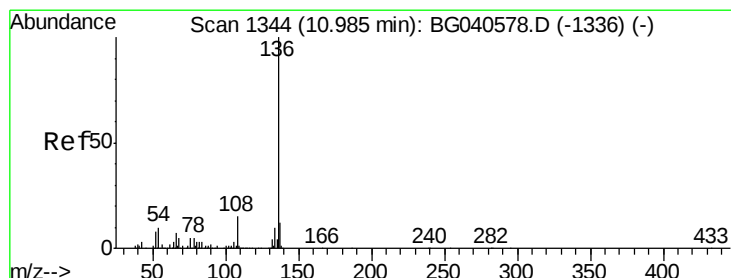
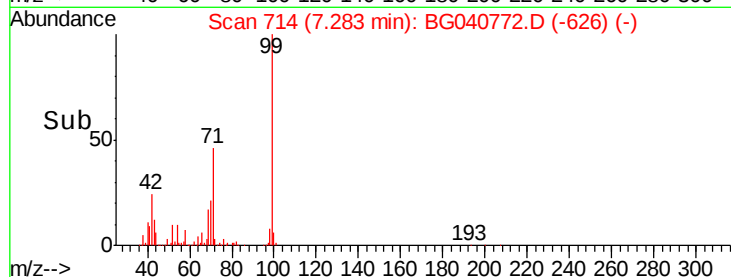
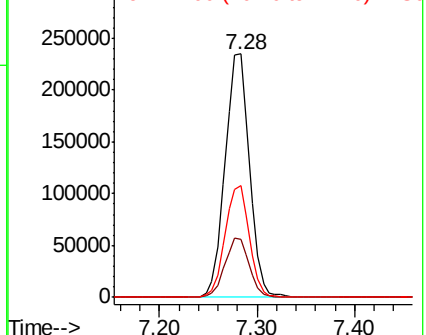


Abundance

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: 10.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BG040772.D

Acq: 7 May 2019 16:36

Tgt Ion: 136 Resp: 181782

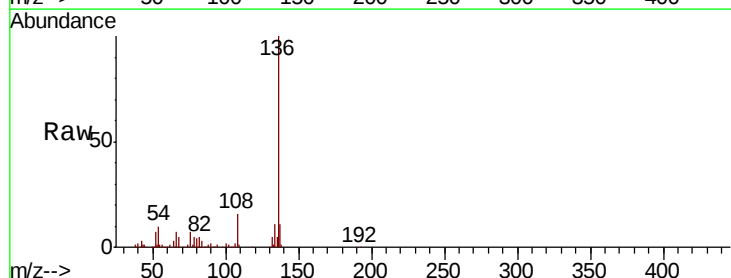
Ion Ratio Lower Upper

136 100

137 11.2 9.7 14.5

54 10.3 8.6 12.8

68 4.7 4.8 7.2#



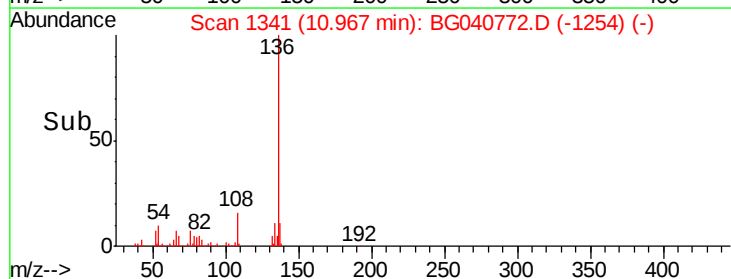
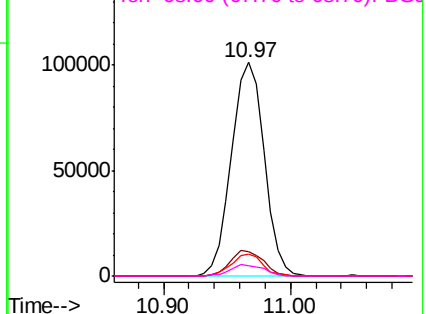
Abundance

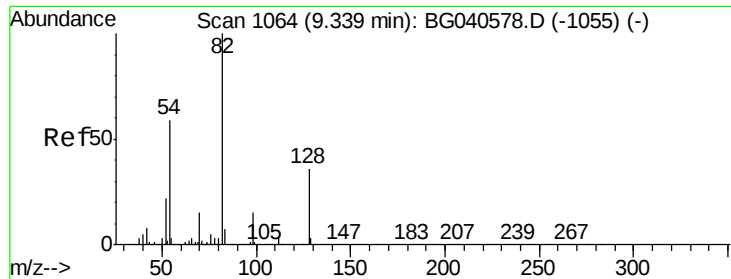
Ion 136.00 (135.70 to 136.70): BGC

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

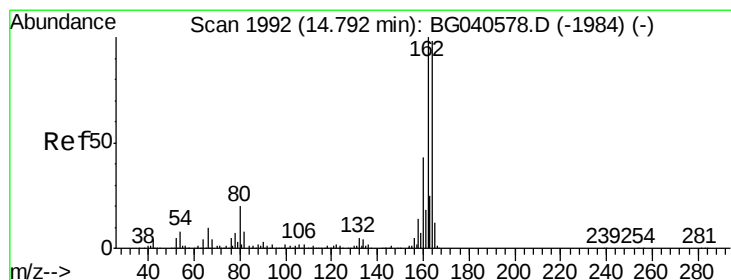
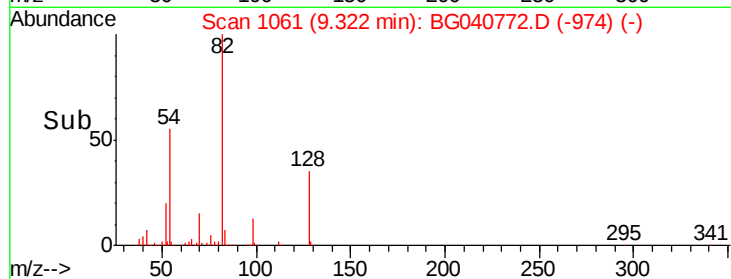
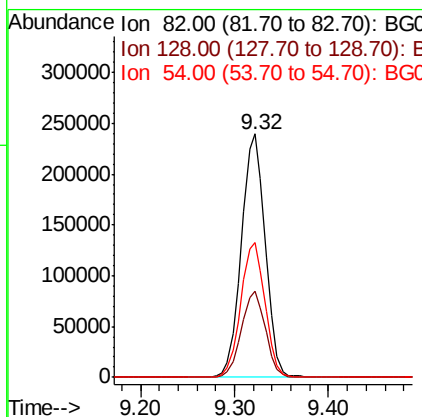
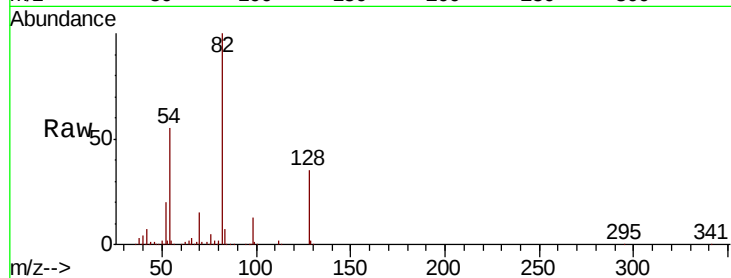




#23  
 Nitrobenzene-d5  
 Concen: 106.791 ng  
 RT: 9.32 min Scan# 1061  
 Delta R.T. -0.02 min  
 Lab File: BG040772.D  
 Acq: 7 May 2019 16:36

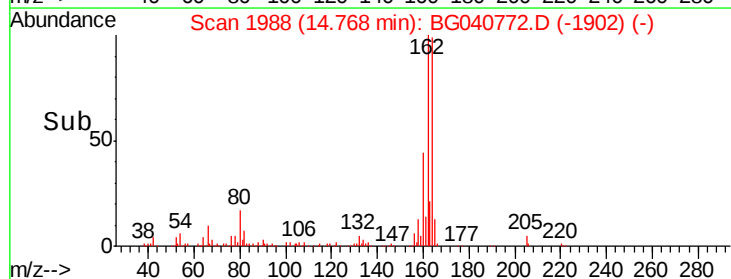
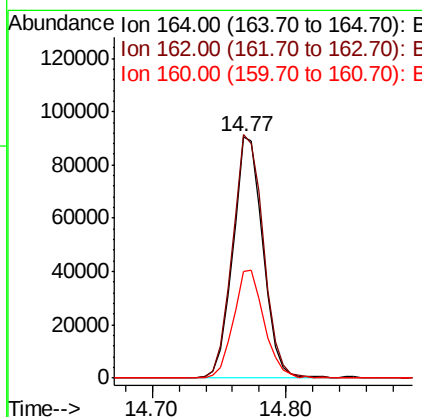
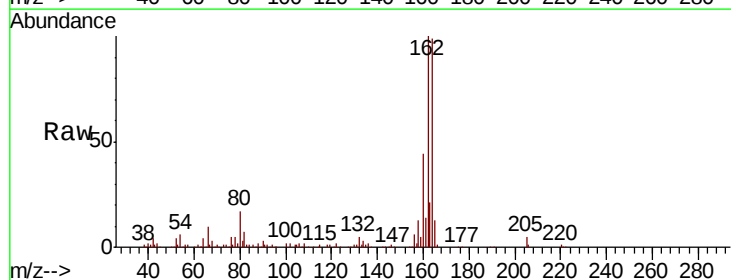
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSSI-0502-S-TCLP-10

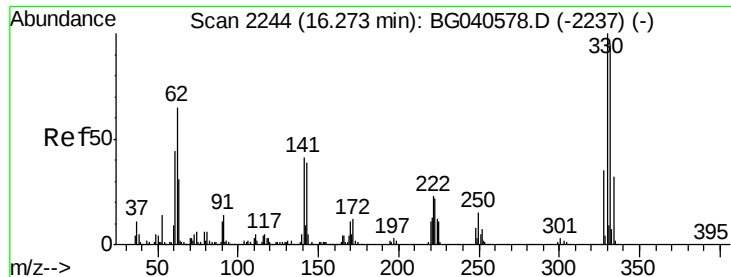
| Tot Ion   | 82    | Resp  | 420132 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 35.3  | 28.9  | 43.3   |
| 54        | 55.2  | 47.2  | 70.8   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.77 min Scan# 1988  
 Delta R.T. -0.02 min  
 Lab File: BG040772.D  
 Acq: 7 May 2019 16:36

| Tgt Ion   | 164   | Resp  | 140972 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 100.9 | 81.9  | 122.9  |
| 160       | 44.0  | 35.4  | 53.2   |

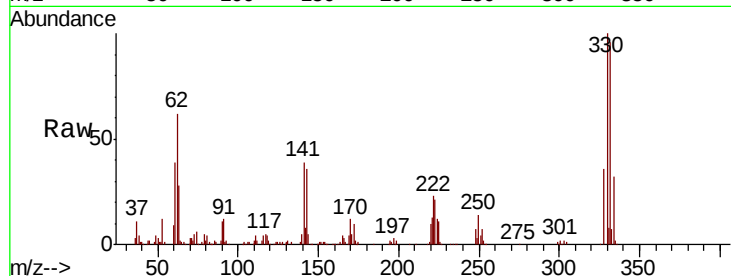




#42  
2,4,6-Tribromophenol  
Concen: 109.075 ng  
RT: 16.25 min Scan# 2241  
Delta R.T. -0.02 min  
Lab File: BG040772.D  
Acq: 7 May 2019 16:36

Instrument :  
BNA\_G  
ClientSampleId :  
SSSI-0502-S-TCLP-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.6  | 75.9  | 113.9 |
| 141     | 37.9  | 32.4  | 48.6  |

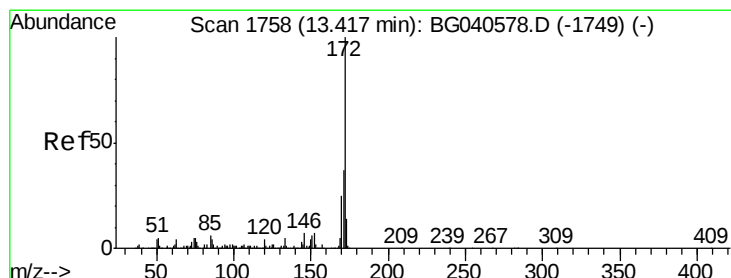
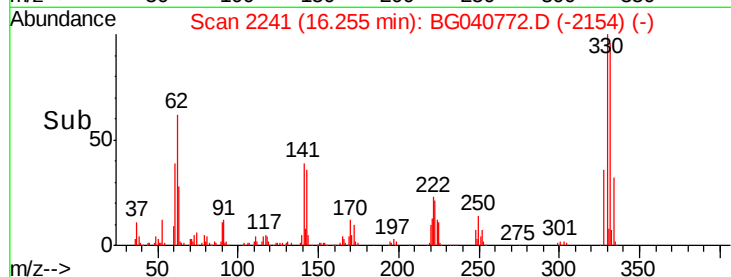
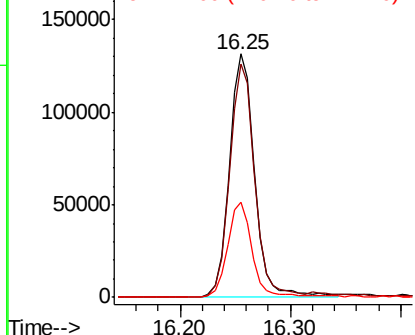


Abundance

Ion 329.80 (329.50 to 330.50): E

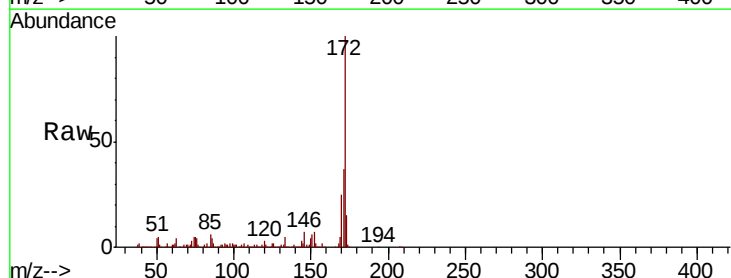
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
2-Fluorobiphenyl  
Concen: 94.253 ng  
RT: 13.39 min Scan# 1754  
Delta R.T. -0.02 min  
Lab File: BG040772.D  
Acq: 7 May 2019 16:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.3  | 29.4  | 44.2  |
| 170     | 24.5  | 19.9  | 29.9  |

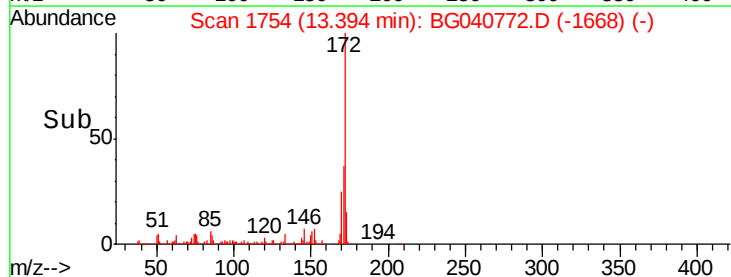
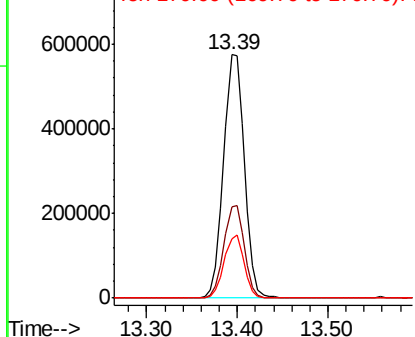


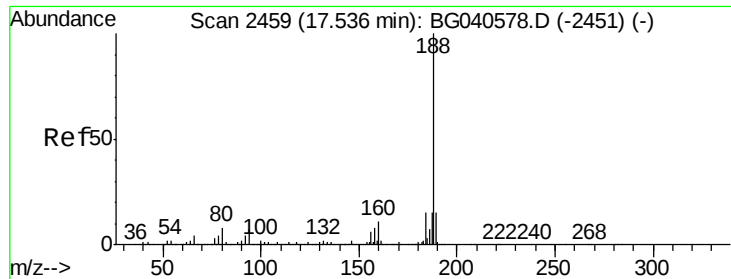
Abundance

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: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040772.D

Acq: 7 May 2019 16:36

Instrument :

BNA\_G

ClientSampleId :

SSSI-0502-S-TCLP-10

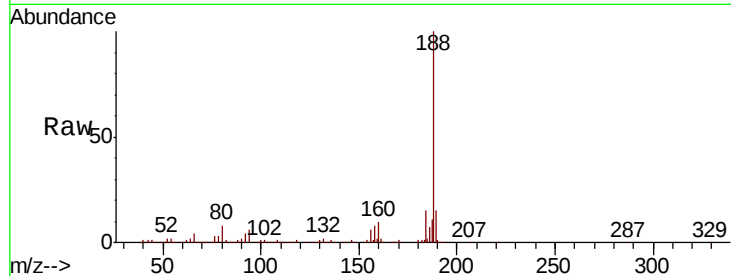
Tot Ion:188 Resp: 371147

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 5.8   | 5.6   | 8.4   |
| 80  | 8.2   | 6.4   | 9.6   |

188 100

94 5.8 5.6 8.4

80 8.2 6.4 9.6



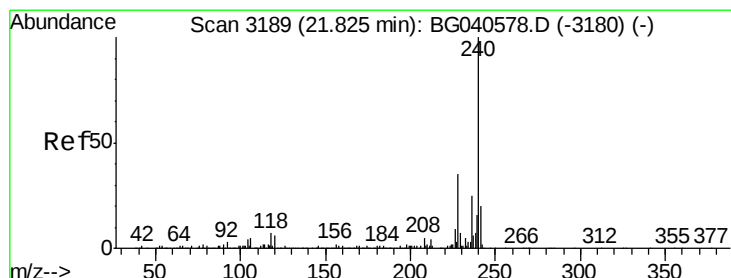
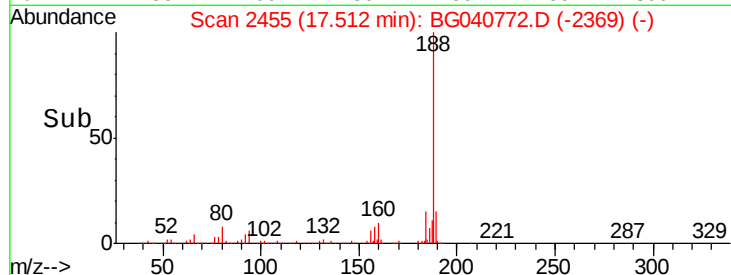
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

17.51

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.80 min Scan# 3184

Delta R.T. -0.03 min

Lab File: BG040772.D

Acq: 7 May 2019 16:36

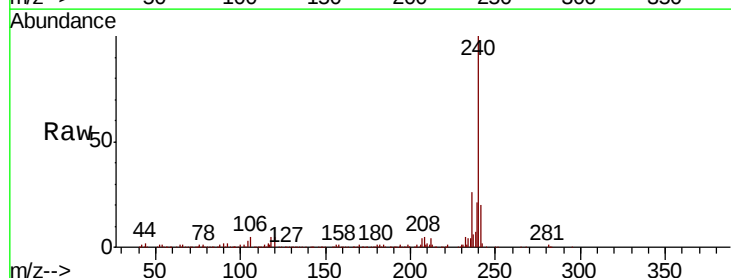
Tgt Ion:240 Resp: 375222

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 5.0   | 5.0   | 7.6   |
| 236 | 26.5  | 20.3  | 30.5  |

240 100

120 5.0 5.0 7.6

236 26.5 20.3 30.5



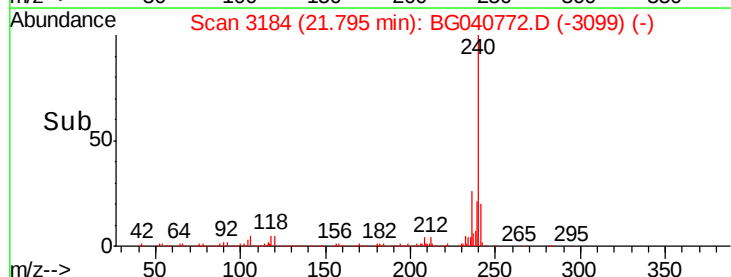
Abundance Ion 240.00 (239.70 to 240.70): E

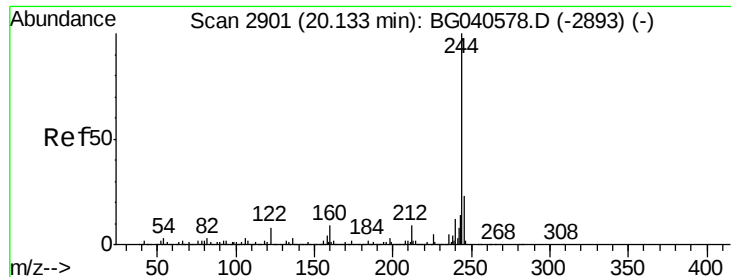
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.80

Time-->





#79

Terphenyl-d14

Concen: 106.754 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040772.D

Acq: 7 May 2019 16:36

Instrument :

BNA\_G

ClientSampleId :

SSSI-0502-S-TCLP-10

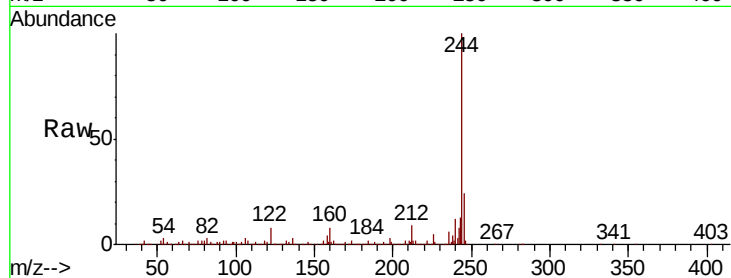
Tot Ion:244 Resp: 1808074

Ion Ratio Lower Upper

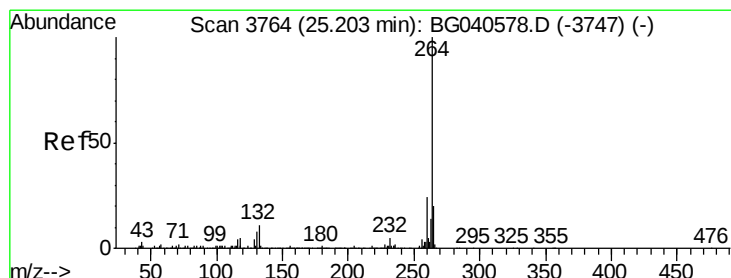
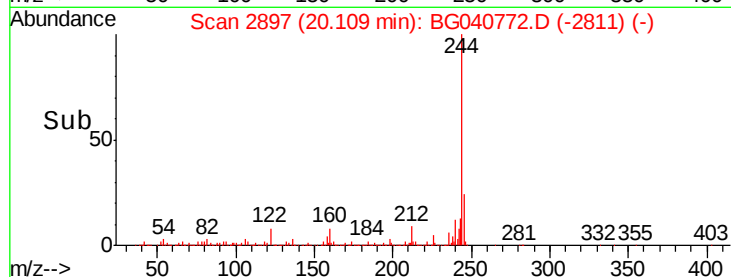
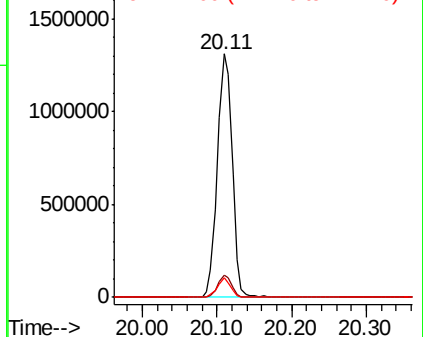
244 100

212 9.1 7.2 10.8

122 7.8 6.6 10.0



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: 25.15 min Scan# 3755

Delta R.T. -0.05 min

Lab File: BG040772.D

Acq: 7 May 2019 16:36

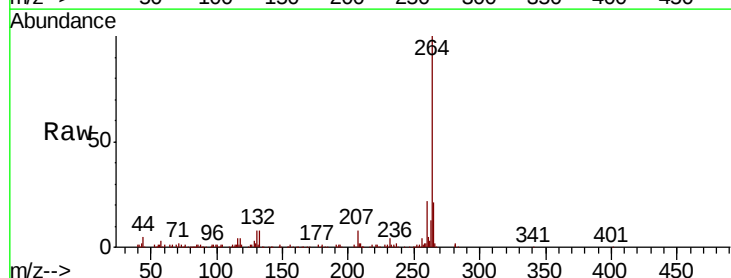
Tgt Ion:264 Resp: 299978

Ion Ratio Lower Upper

264 100

260 21.6 19.2 28.8

265 21.0 16.6 25.0



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

