

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042720\  
 Data File : BG045176.D  
 Acq On : 27 Apr 2020 12:36  
 Operator : CG/JU  
 Sample : L2399-04  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP1-A

Quant Time: Apr 27 13:18:49 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 27 12:48:53 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.99  | 152  | 60913    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.80 | 136  | 237872   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.64 | 164  | 189627   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.38 | 188  | 487764   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.65 | 240  | 472089   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.82 | 264  | 492735   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.56  | 112  | 486784   | 131.93 | ng    | 0.00     |
| 7) Phenol-d6                | 7.16  | 99   | 584868   | 106.69 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.15  | 82   | 528896   | 101.45 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.12 | 330  | 446918   | 152.56 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.26 | 172  | 1304357  | 100.86 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.99 | 244  | 2414595  | 111.48 | ng    | 0.00     |

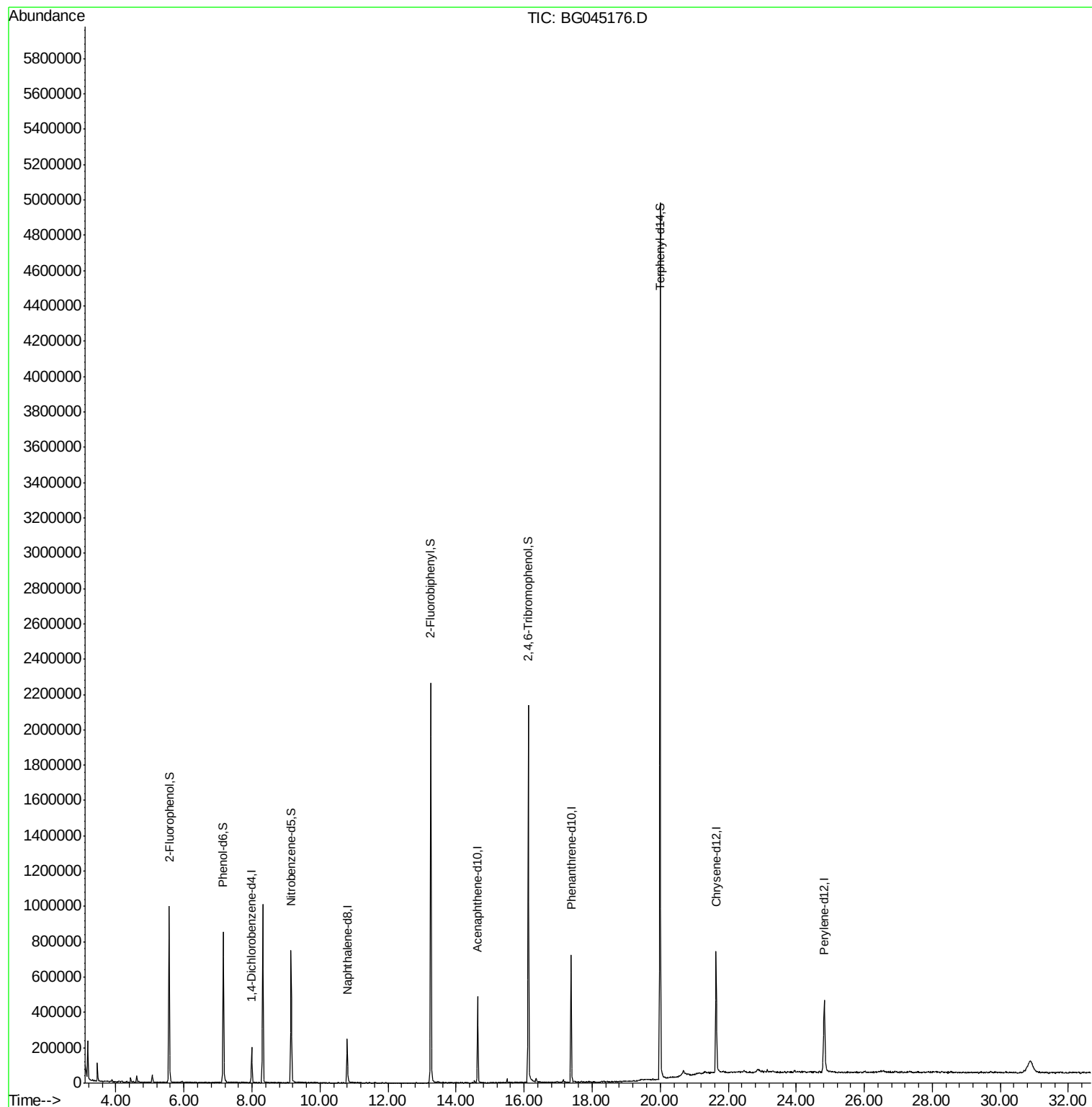
Target Compounds Qvalue

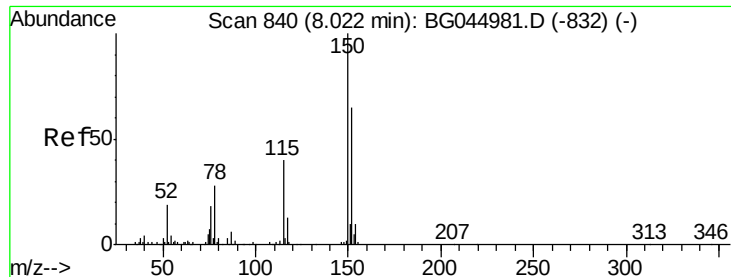
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Time: Apr 27 13:18:49 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 27 12:48:53 2020  
Response via : Initial Calibration



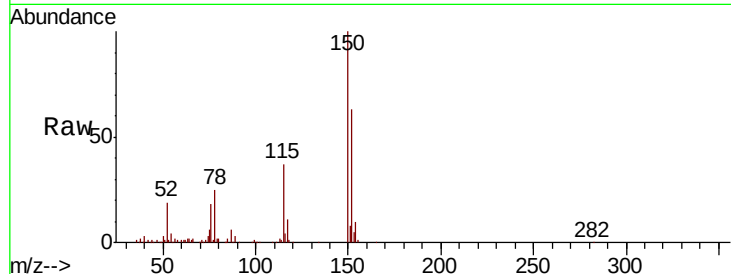


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.99 min Scan# 835  
Delta R.T. 0.00 min  
Lab File: BG045176.D  
Acq: 27 Apr 2020 12:36

Instrument :  
BNA\_G  
ClientSampleId :  
SP1-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.0 | 123.6 | 185.4 |
| 115     | 58.1  | 49.1  | 73.7  |

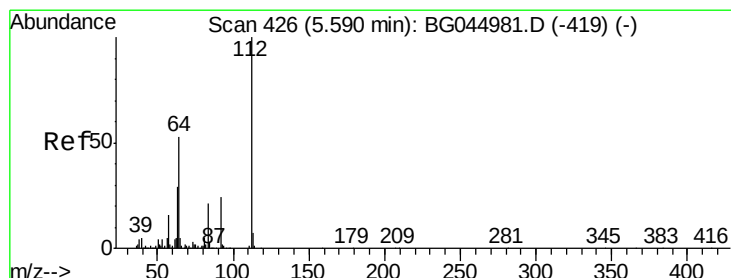
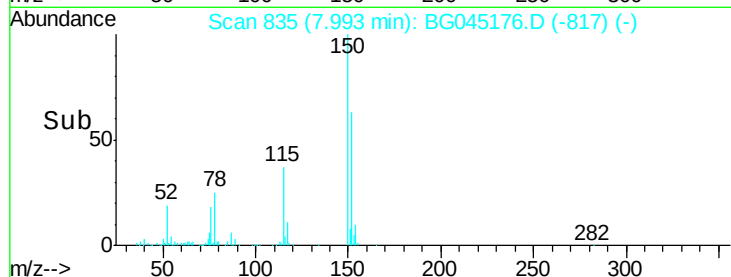
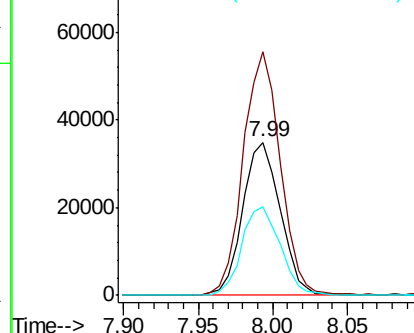


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

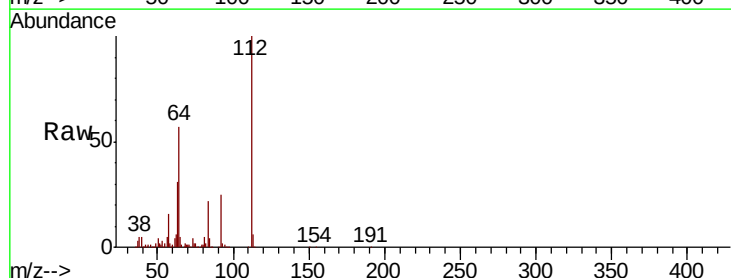
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 131.935 ng  
RT: 5.56 min Scan# 421  
Delta R.T. -0.00 min  
Lab File: BG045176.D  
Acq: 27 Apr 2020 12:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.4  | 42.4  | 63.6  |
| 63      | 31.2  | 23.1  | 34.7  |

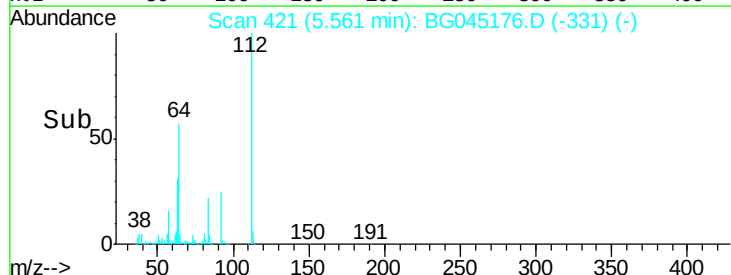
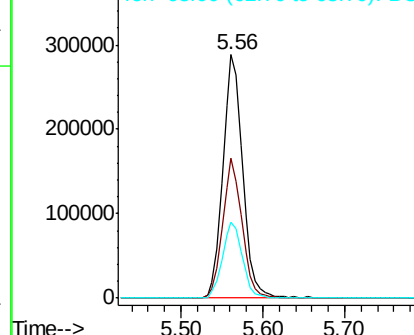


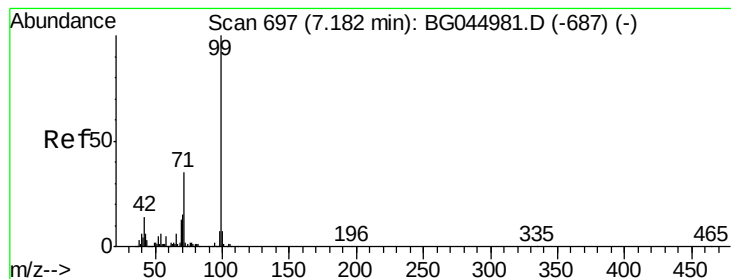
Abundance

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: 106.693 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.00 min

Lab File: BG045176.D

Acq: 27 Apr 2020 12:36

Instrument :

BNA\_G

ClientSampleId :

SP1-A

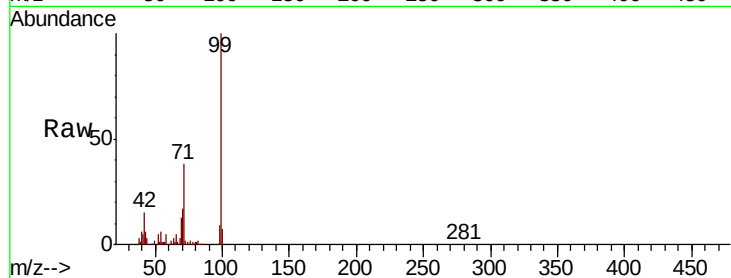
Tot Ion: 99 Resp: 584868

Ion Ratio Lower Upper

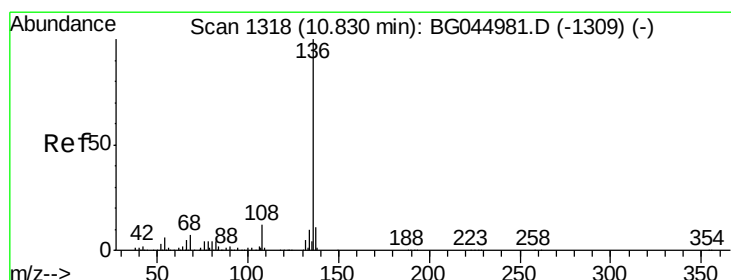
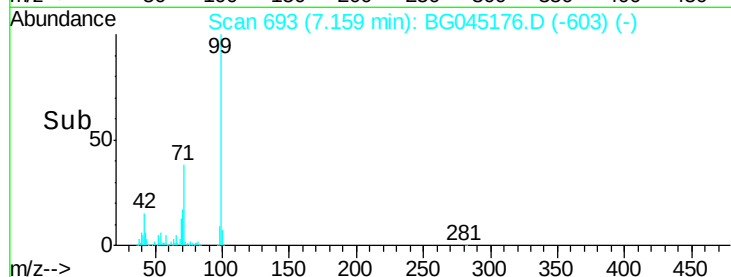
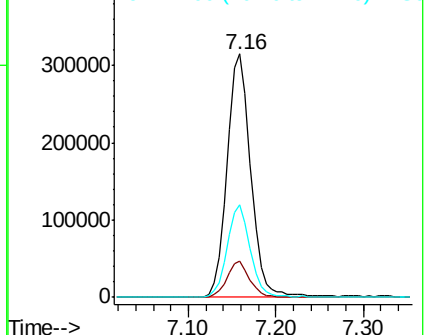
99 100

42 15.1 11.3 16.9

71 37.8 28.3 42.5



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: 10.80 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BG045176.D

Acq: 27 Apr 2020 12:36

Tgt Ion: 136 Resp: 237872

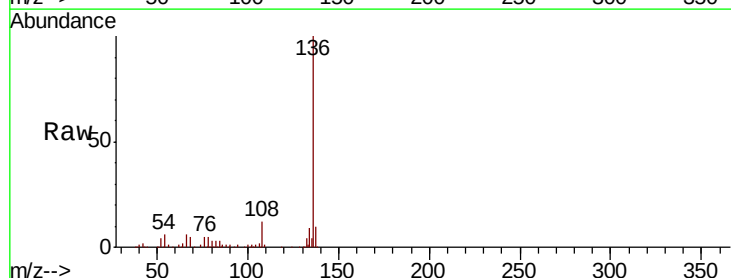
Ion Ratio Lower Upper

136 100

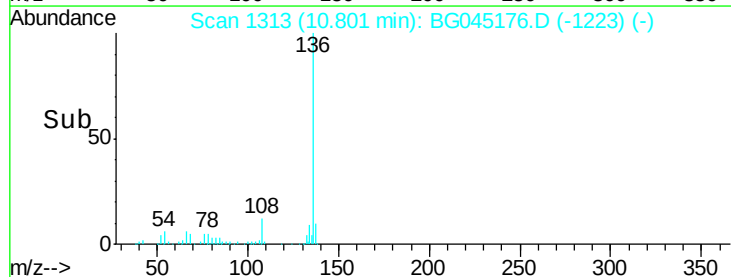
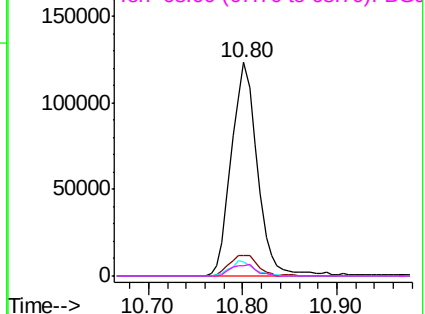
137 9.9 8.6 13.0

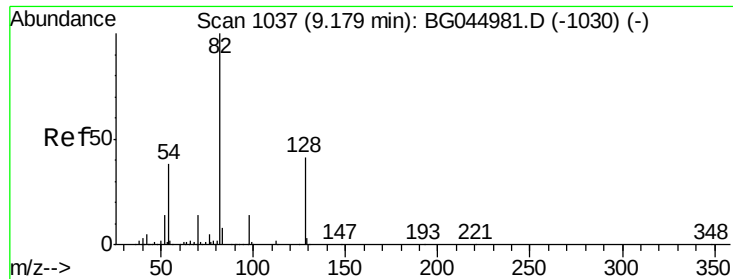
54 6.3 4.8 7.2

68 4.9 5.2 7.8#



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

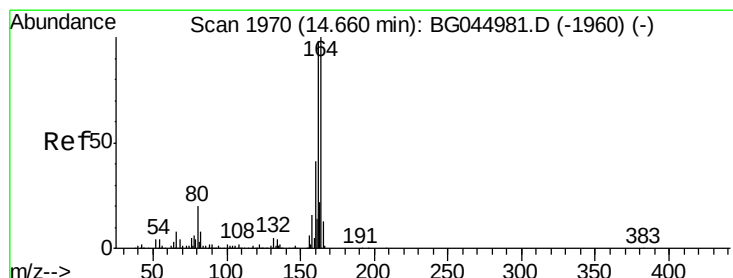
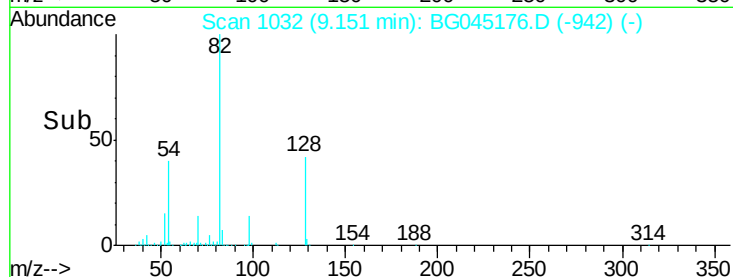
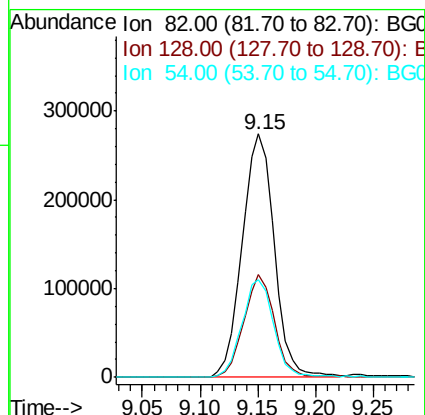
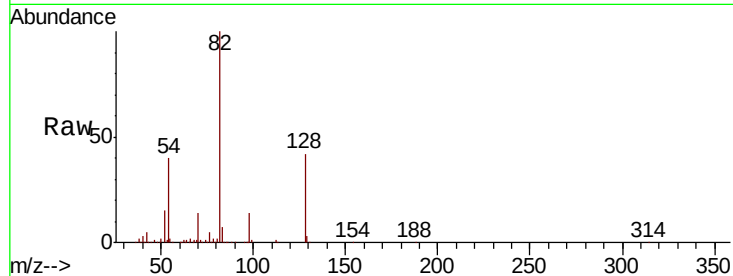




#23  
 Nitrobenzene-d5  
 Concen: 101.453 ng  
 RT: 9.15 min Scan# 1032  
 Delta R.T. -0.00 min  
 Lab File: BG045176.D  
 Acq: 27 Apr 2020 12:36

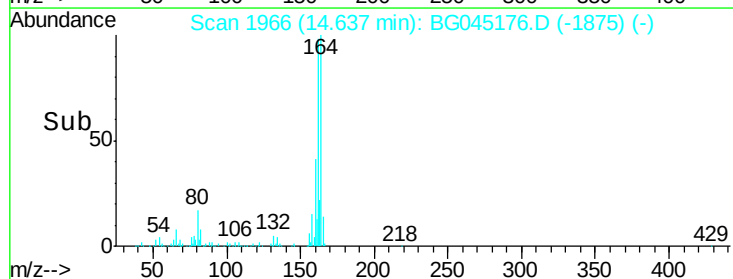
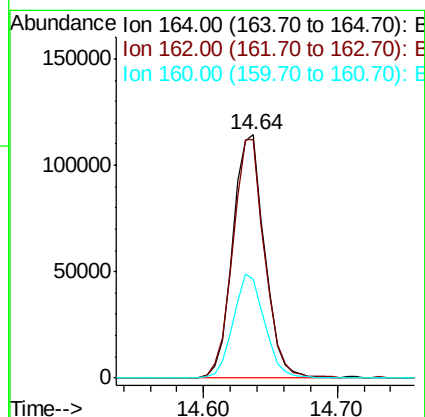
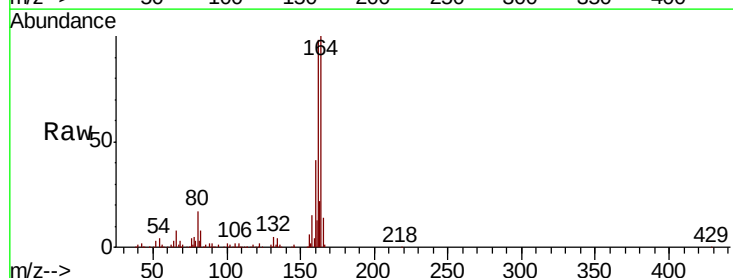
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP1-A

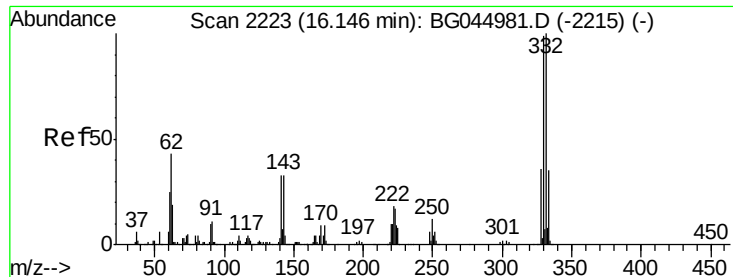
| Tot Ion   | 82.00 | Resp  | 528896 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.2  | 33.0  | 49.4   |
| 54        | 39.9  | 30.4  | 45.6   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.64 min Scan# 1966  
 Delta R.T. 0.00 min  
 Lab File: BG045176.D  
 Acq: 27 Apr 2020 12:36

| Tgt Ion   | 164   | Resp  | 189627 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 98.1  | 78.7  | 118.1  |
| 160       | 40.8  | 32.8  | 49.2   |

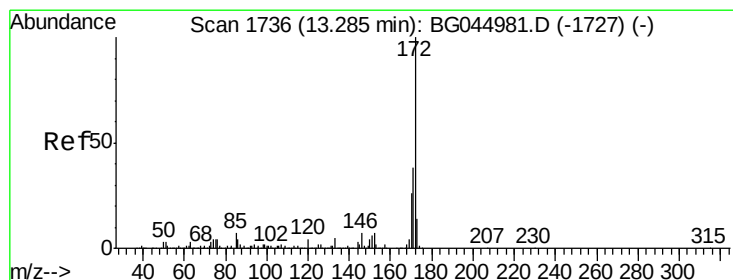
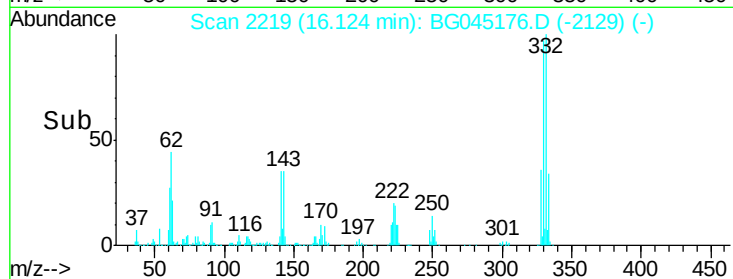
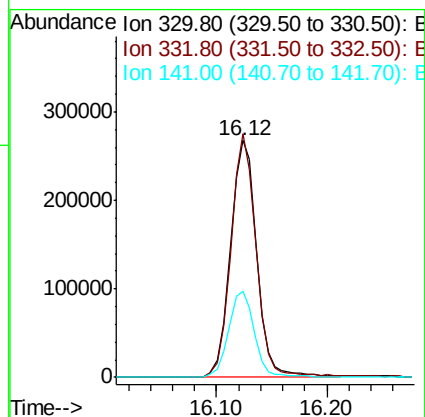
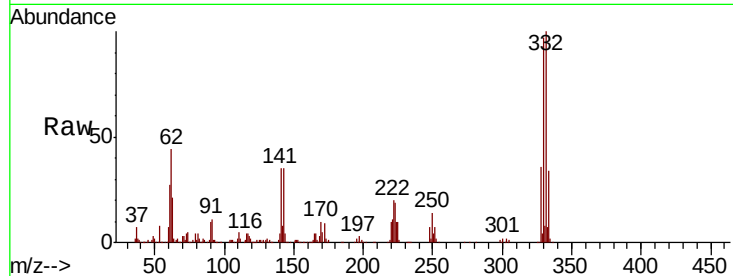




#42  
 2,4,6-Tribromophenol  
 Concen: 152.558 ng  
 RT: 16.12 min Scan# 2219  
 Delta R.T. -0.00 min  
 Lab File: BG045176.D  
 Acq: 27 Apr 2020 12:36

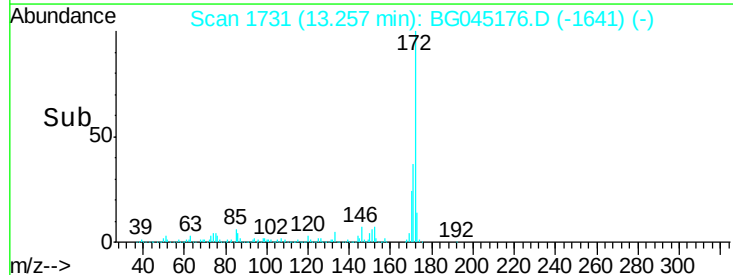
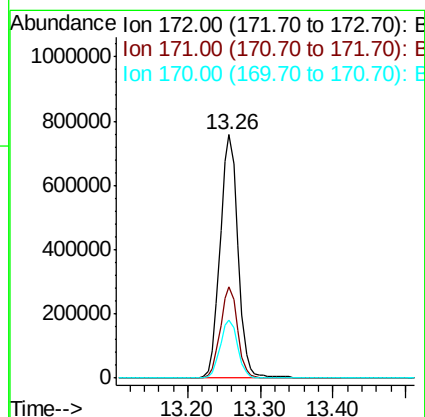
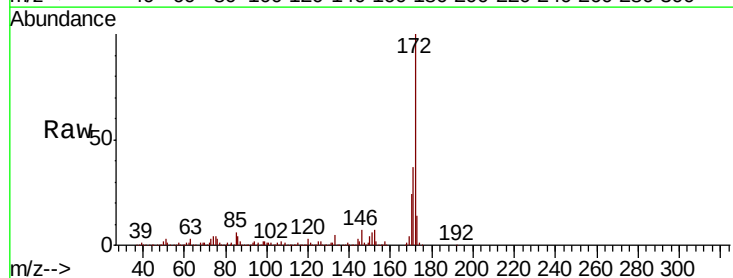
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP1-A

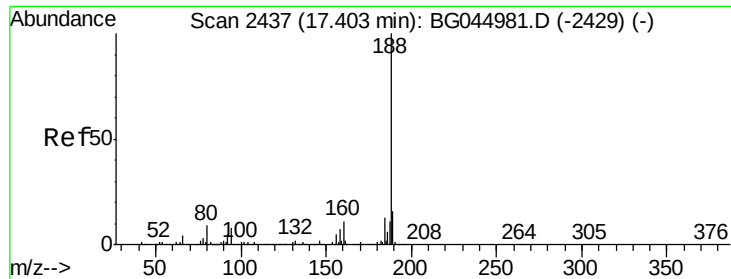
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 99.3  | 79.1  | 118.7 |
| 141     | 36.0  | 27.1  | 40.7  |



#45  
 2-Fluorobiphenyl  
 Concen: 100.861 ng  
 RT: 13.26 min Scan# 1731  
 Delta R.T. -0.00 min  
 Lab File: BG045176.D  
 Acq: 27 Apr 2020 12:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.4  | 30.6  | 46.0  |
| 170     | 23.9  | 20.5  | 30.7  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BG045176.D

Acq: 27 Apr 2020 12:36

Instrument :

BNA\_G

ClientSampleId :

SP1-A

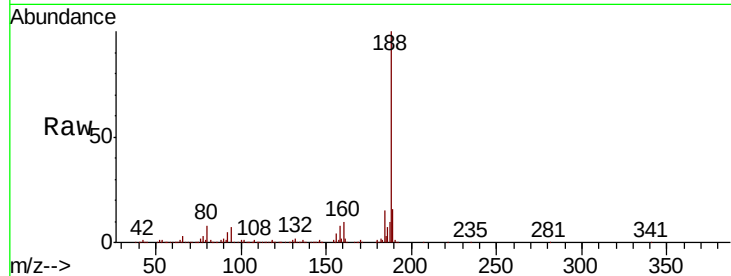
Tot Ion:188 Resp: 487764

Ion Ratio Lower Upper

188 100

94 7.4 6.2 9.4

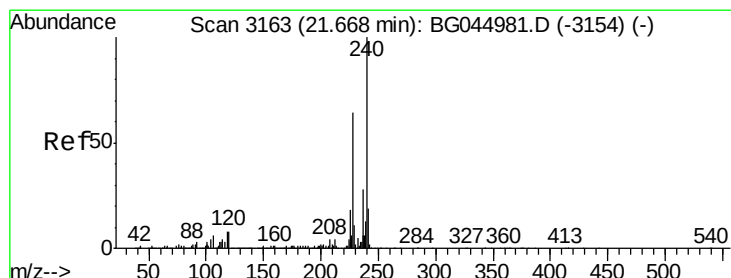
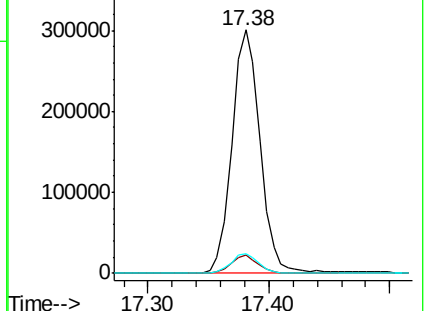
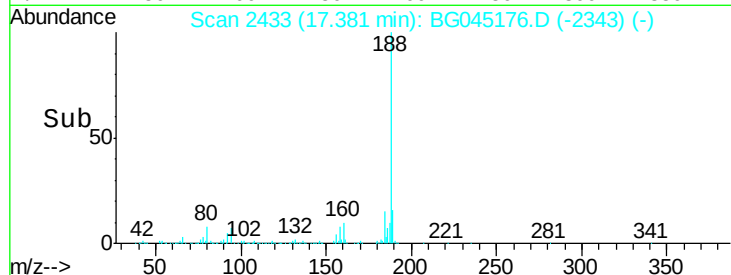
80 8.1 7.0 10.6



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: 21.65 min Scan# 3159

Delta R.T. -0.00 min

Lab File: BG045176.D

Acq: 27 Apr 2020 12:36

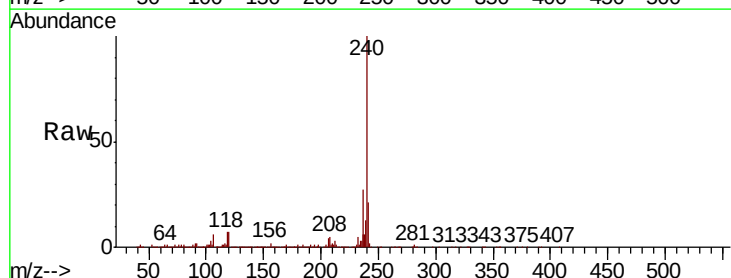
Tgt Ion:240 Resp: 472089

Ion Ratio Lower Upper

240 100

120 7.1 6.6 10.0

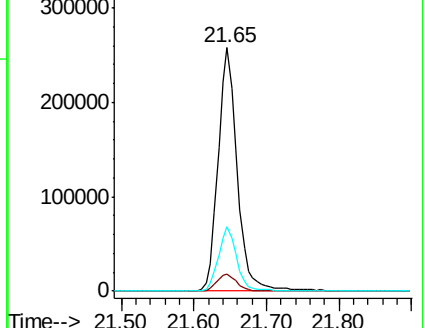
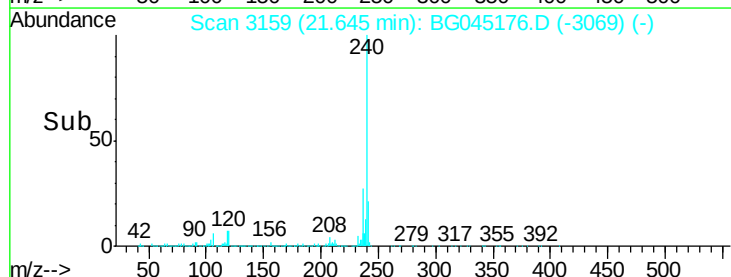
236 26.6 22.2 33.2

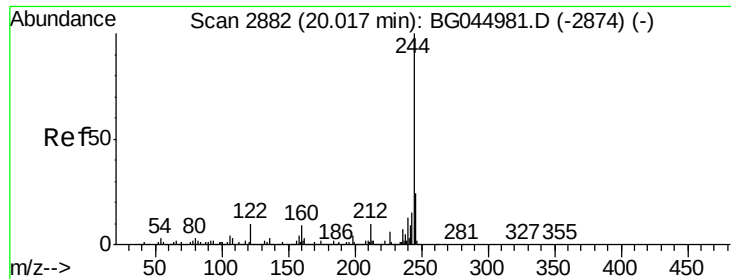


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



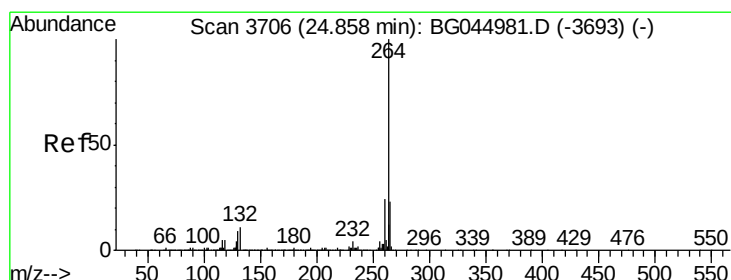
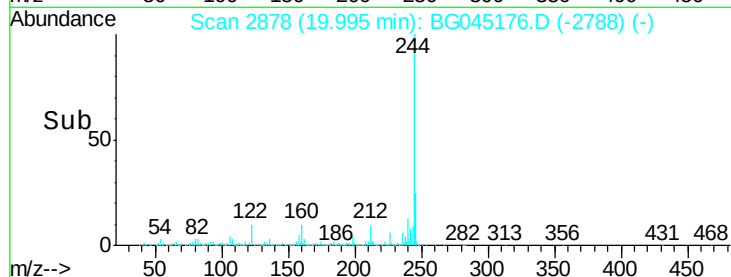
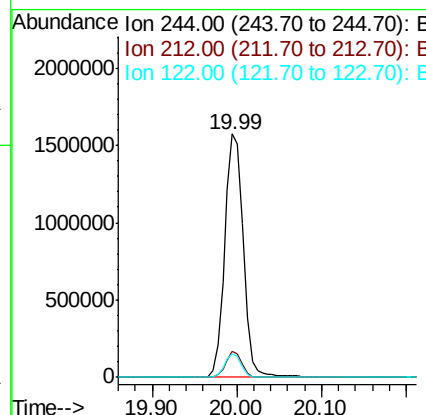
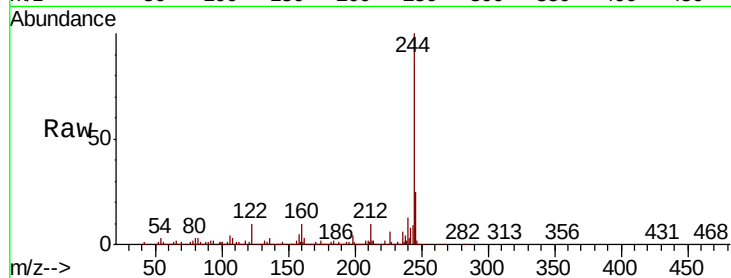


#79  
 Terphenyl-d14  
 Concen: 111.478 ng  
 RT: 19.99 min Scan# 2878  
 Delta R.T. -0.00 min  
 Lab File: BG045176.D  
 Acq: 27 Apr 2020 12:36

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP1-A

Tot Ion:244 Resp: 2414595  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 10.4  | 7.9   | 11.9  |
| 122 | 9.7   | 7.7   | 11.5  |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.82 min Scan# 3700  
 Delta R.T. -0.00 min  
 Lab File: BG045176.D  
 Acq: 27 Apr 2020 12:36

Tgt Ion:264 Resp: 492735  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.2  | 19.2  | 28.8  |
| 265 | 21.3  | 19.0  | 28.4  |

