

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG082619\  
 Data File : BG042491.D  
 Acq On : 26 Aug 2019 9:17  
 Operator : HP/JU  
 Sample : PB122510BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DFTPP

Quant Time: Aug 27 01:24:51 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG082219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 22 14:29:15 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.00  | 152  | 51635    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.82 | 136  | 198060   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.66 | 164  | 136026   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.41 | 188  | 302088   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.69 | 240  | 348280   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.93 | 264  | 407789   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.56  | 112  | 301193   | 118.14 | ng    | 0.00     |
| 7) Phenol-d6                | 7.16  | 99   | 389259   | 113.03 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.17  | 82   | 220945   | 77.09  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.15 | 330  | 188639   | 97.57  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.28 | 172  | 664341   | 82.60  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.02 | 244  | 1196302  | 74.26  | ng    | 0.00     |

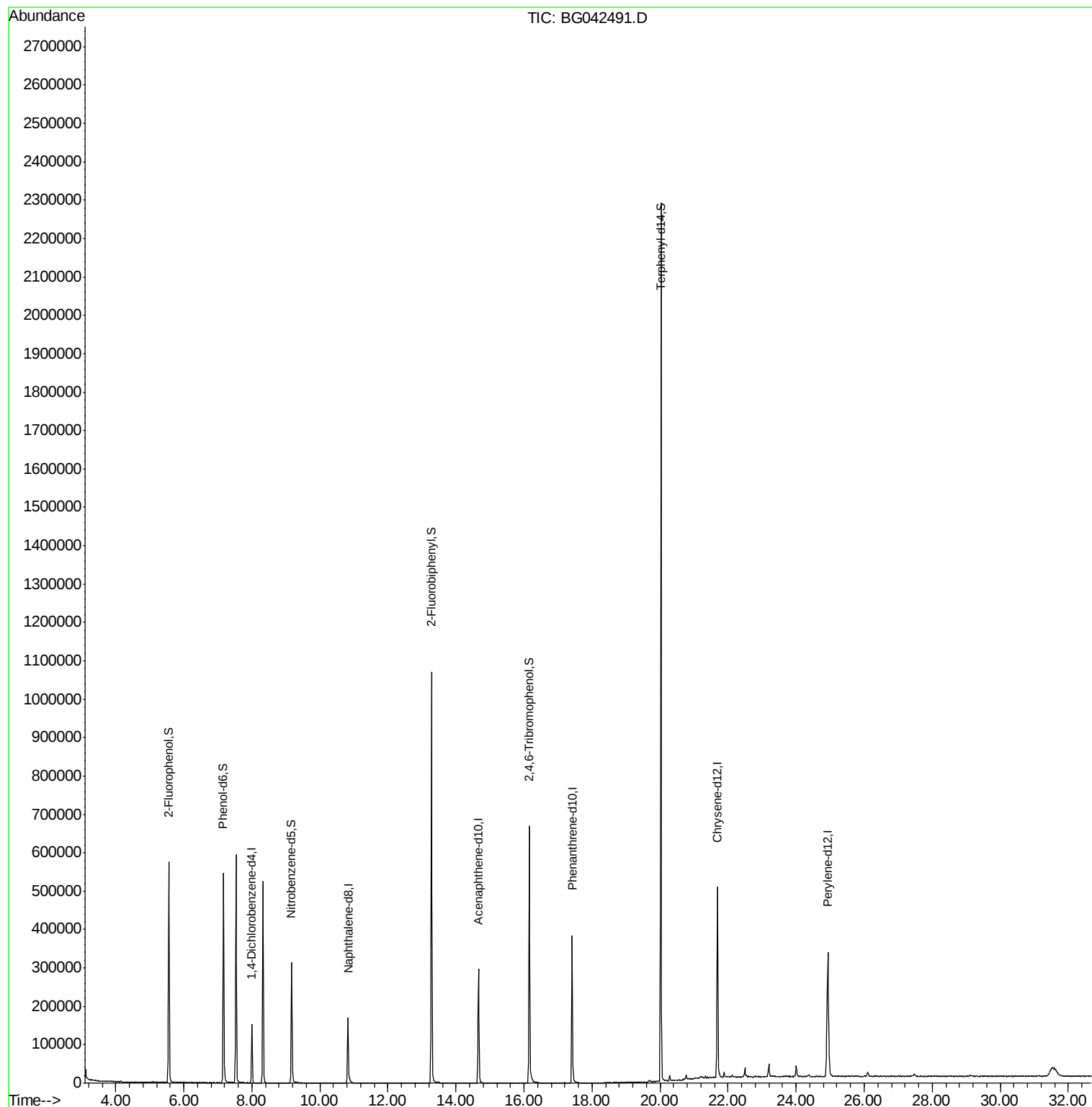
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

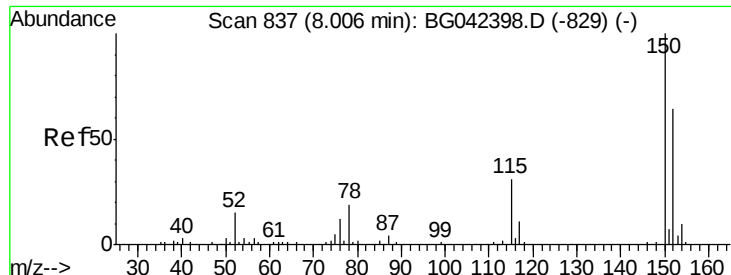
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration



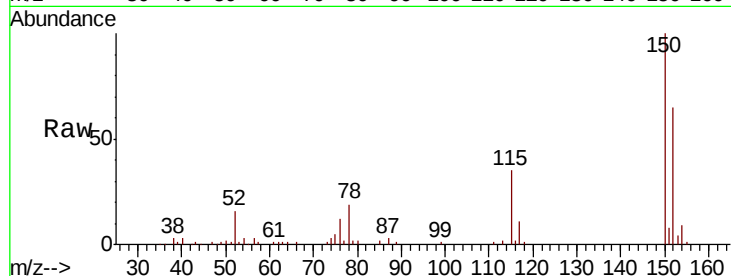


#1

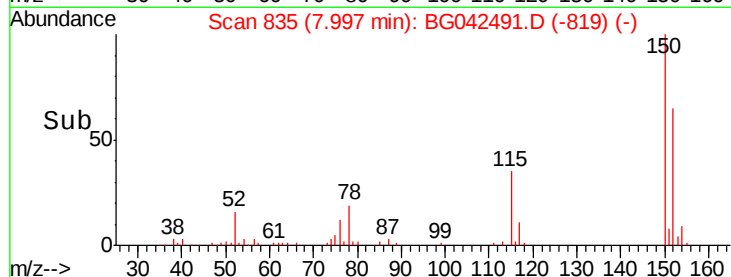
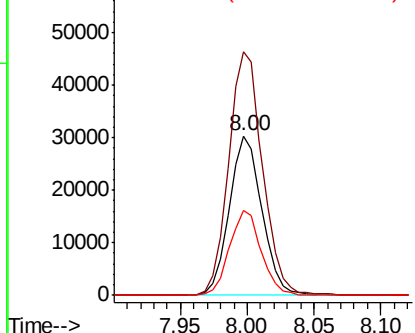
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.00 min Scan# 835  
Delta R.T. -0.01 min  
Lab File: BG042491.D  
Acq: 26 Aug 2019 9:17

Instrument :  
BNA\_G  
ClientSampleId :  
DFTPP

Tgt Ion:152 Resp: 51635  
Ion Ratio Lower Upper  
152 100  
150 152.8 125.4 188.0  
115 53.2 38.5 57.7



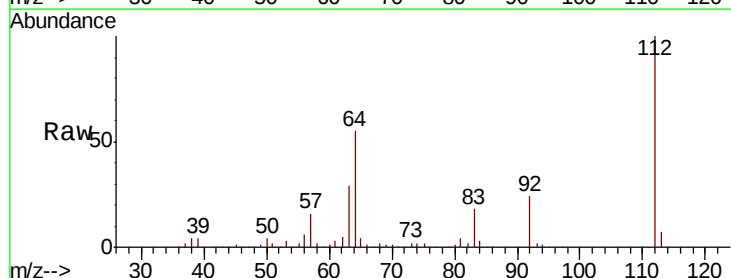
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



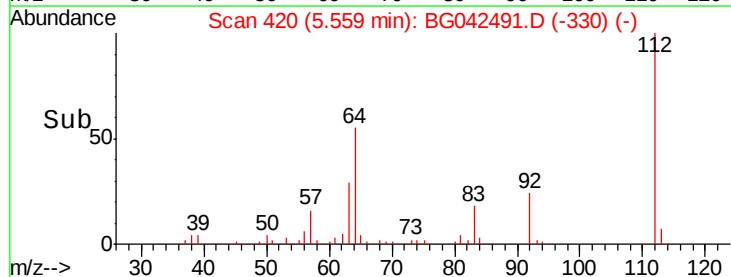
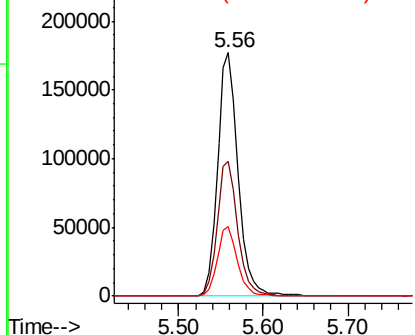
#5

2-Fluorophenol  
Concen: 118.138 ng  
RT: 5.56 min Scan# 420  
Delta R.T. -0.00 min  
Lab File: BG042491.D  
Acq: 26 Aug 2019 9:17

Tgt Ion:112 Resp: 301193  
Ion Ratio Lower Upper  
112 100  
64 55.3 42.8 64.2  
63 28.6 22.7 34.1



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: 113.031 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042491.D

Acq: 26 Aug 2019 9:17

Instrument :

BNA\_G

ClientSampleId :

DFTPP

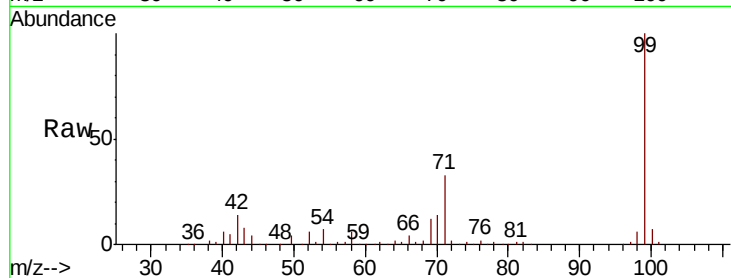
Tgt Ion: 99 Resp: 389259

Ion Ratio Lower Upper

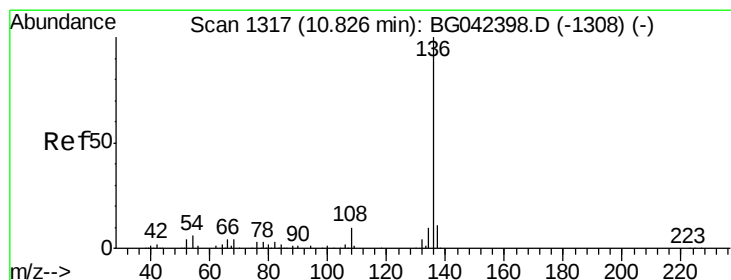
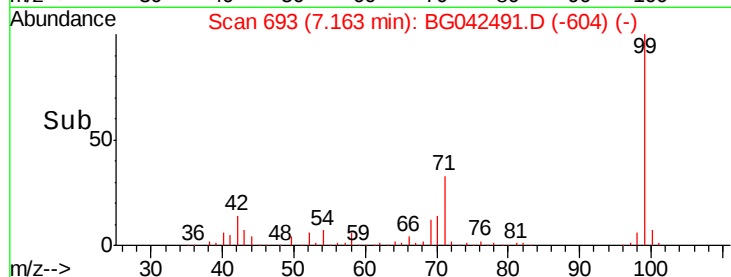
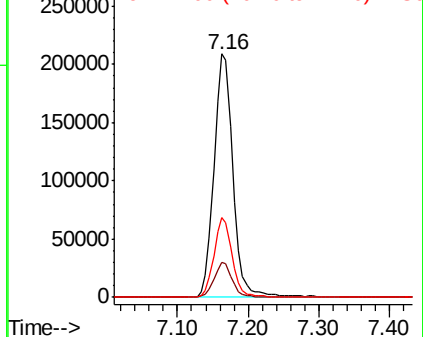
99 100

42 14.4 12.0 18.0

71 32.7 26.3 39.5



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: 10.82 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BG042491.D

Acq: 26 Aug 2019 9:17

Tgt Ion: 136 Resp: 198060

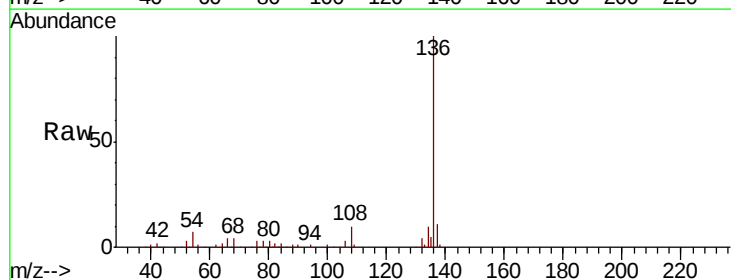
Ion Ratio Lower Upper

136 100

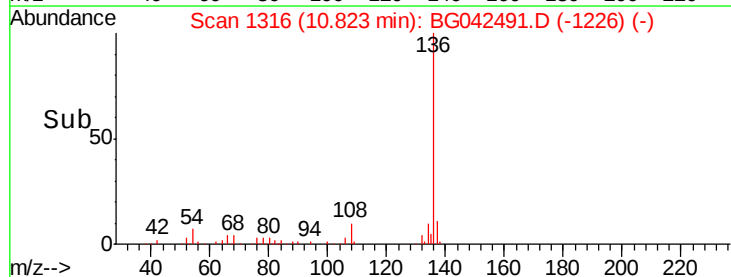
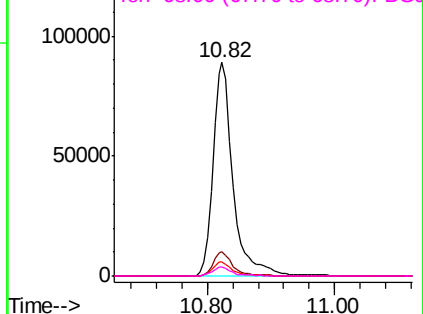
137 11.2 8.7 13.1

54 6.5 4.9 7.3

68 4.5 3.6 5.4



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

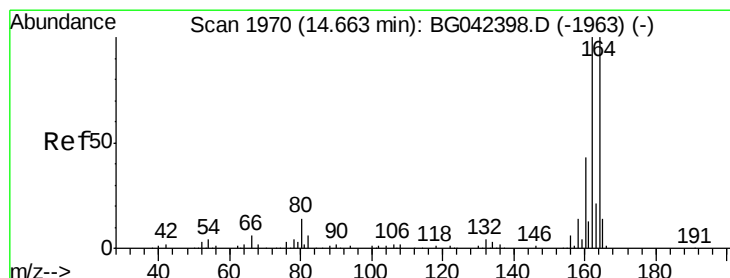
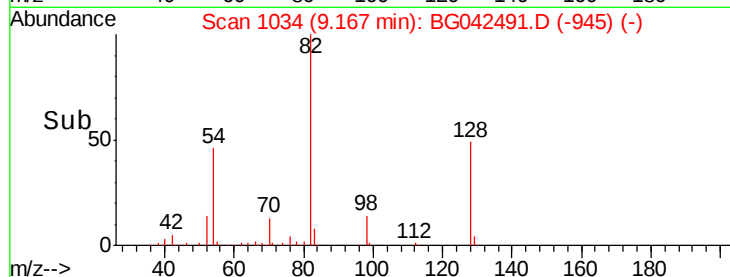
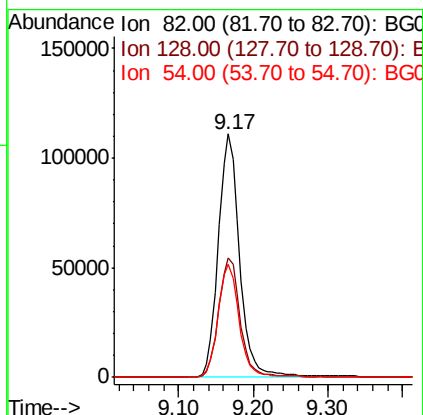
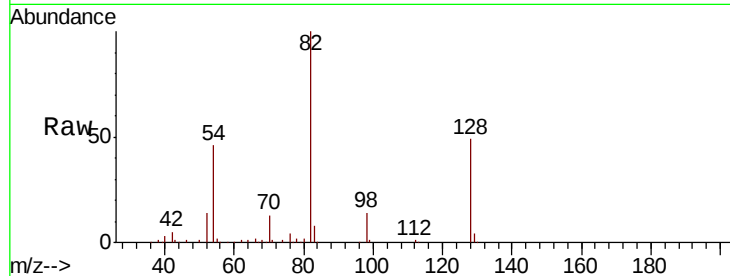




#23  
Nitrobenzene-d5  
Concen: 77.089 ng  
RT: 9.17 min Scan# 1034  
Delta R.T. -0.01 min  
Lab File: BG042491.D  
Acq: 26 Aug 2019 9:17

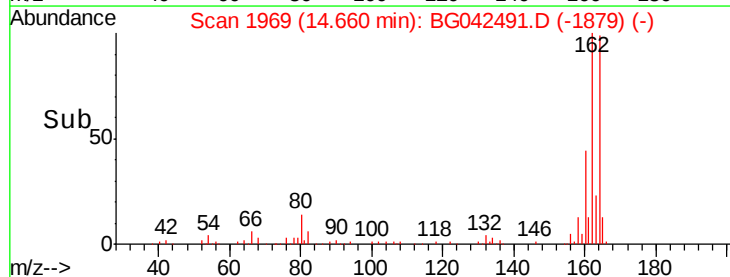
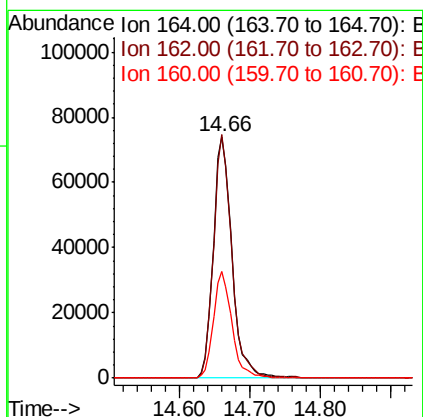
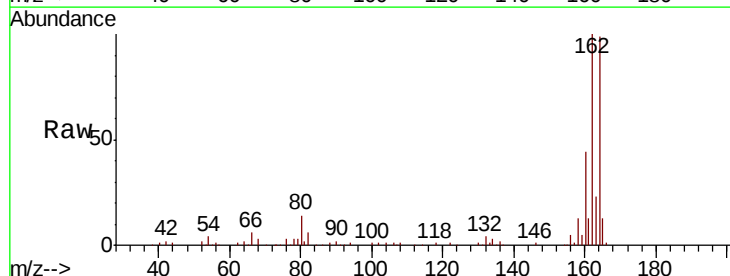
Instrument :  
BNA\_G  
ClientSampleId :  
DFTPP

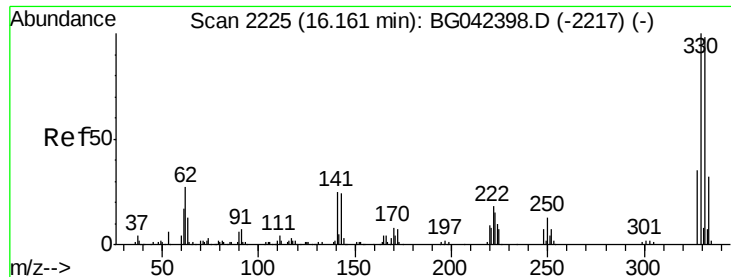
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 49.2  | 40.7  | 61.1  |
| 54      | 46.4  | 36.3  | 54.5  |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.66 min Scan# 1969  
Delta R.T. -0.00 min  
Lab File: BG042491.D  
Acq: 26 Aug 2019 9:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.9 | 79.9  | 119.9 |
| 160     | 44.4  | 34.3  | 51.5  |

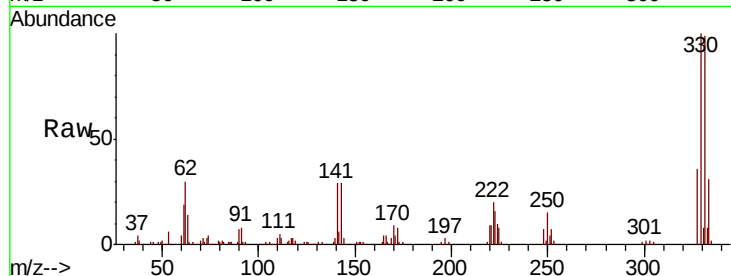




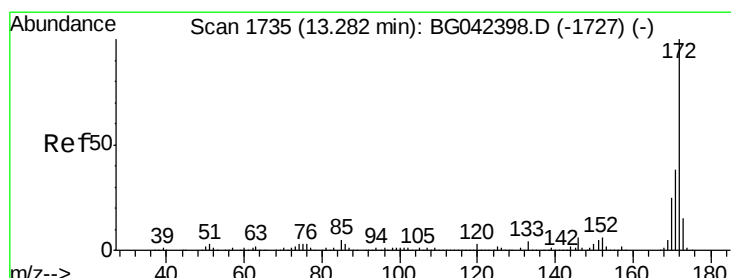
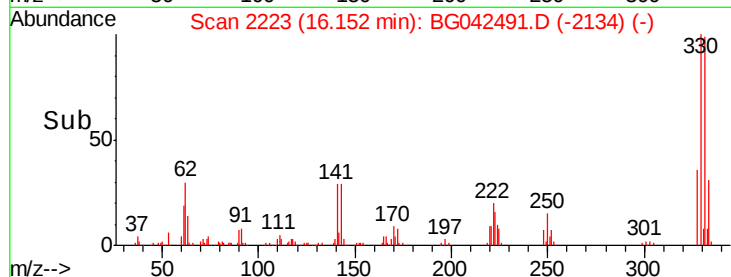
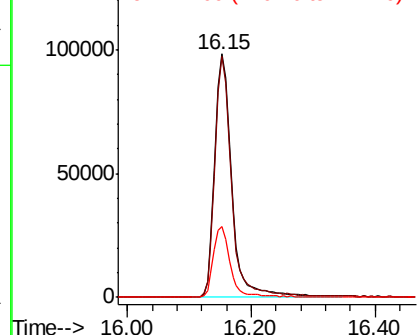
#42  
 2,4,6-Tribromophenol  
 Concen: 97.569 ng  
 RT: 16.15 min Scan# 2223  
 Delta R.T. -0.01 min  
 Lab File: BG042491.D  
 Acq: 26 Aug 2019 9:17

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DFTPP

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 77.4  | 116.0 |
| 141     | 28.5  | 21.4  | 32.0  |

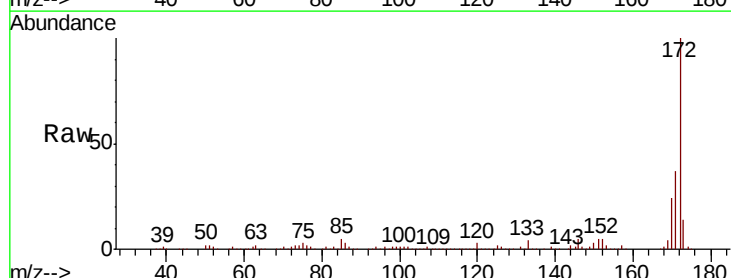


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

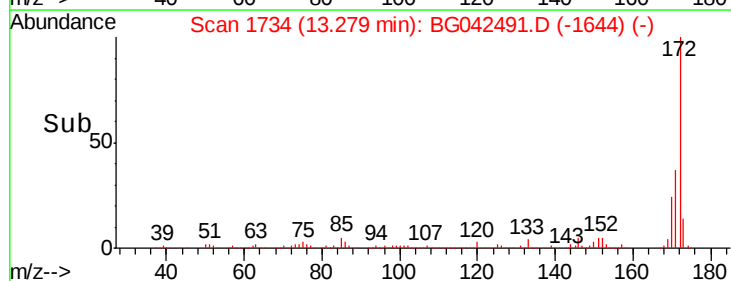
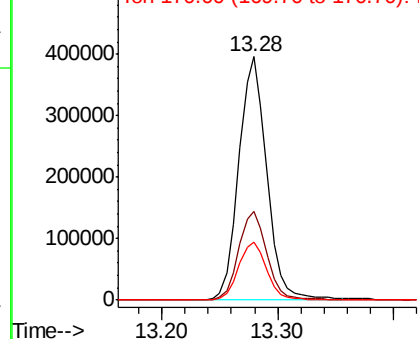


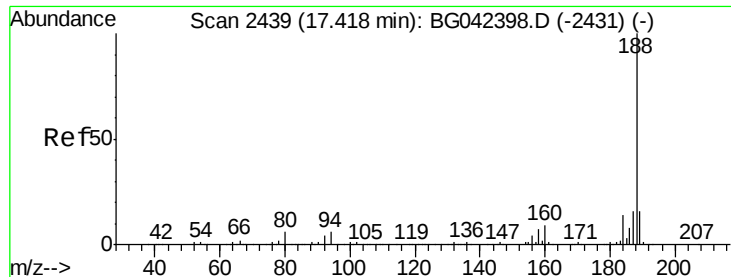
#45  
 2-Fluorobiphenyl  
 Concen: 82.601 ng  
 RT: 13.28 min Scan# 1734  
 Delta R.T. -0.00 min  
 Lab File: BG042491.D  
 Acq: 26 Aug 2019 9:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.5  | 30.5  | 45.7  |
| 170     | 24.0  | 20.2  | 30.2  |



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

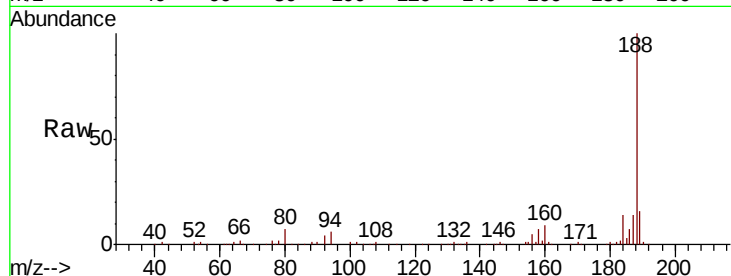




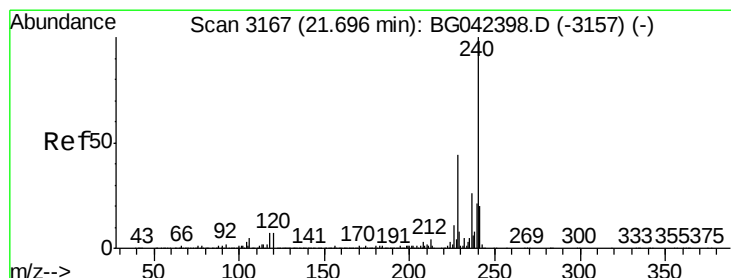
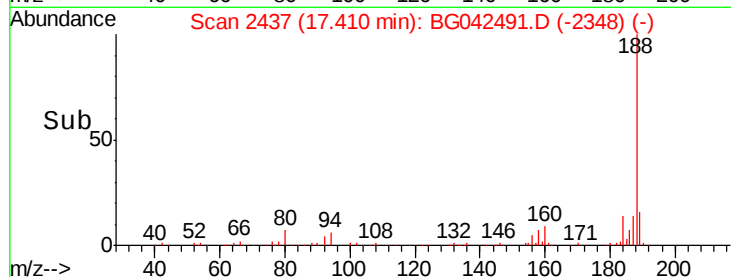
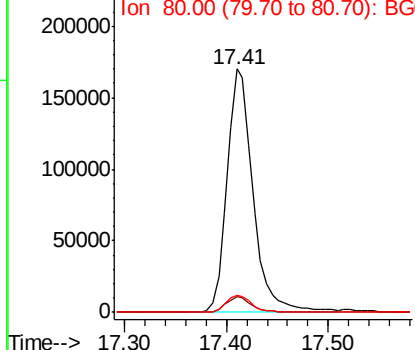
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.41 min Scan# 2437  
Delta R.T. -0.01 min  
Lab File: BG042491.D  
Acq: 26 Aug 2019 9:17

Instrument :  
BNA\_G  
ClientSampleId :  
DFTPP

Tgt Ion:188 Resp: 302088  
Ion Ratio Lower Upper  
188 100  
94 6.4 4.5 6.7  
80 7.0 4.9 7.3

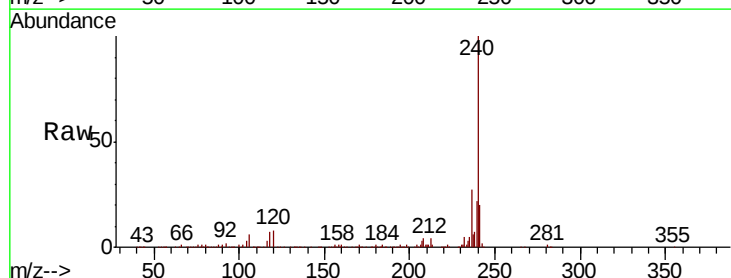


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BG  
Ion 80.00 (79.70 to 80.70): BG

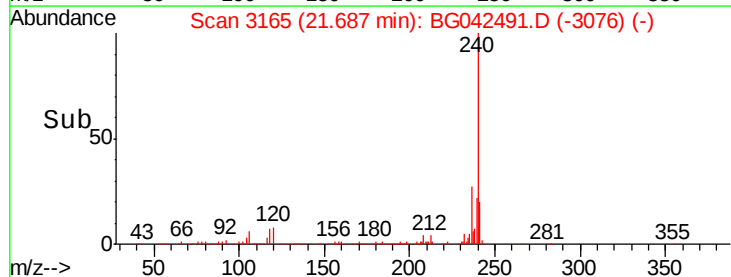
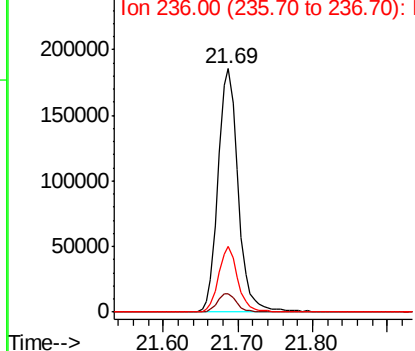


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.69 min Scan# 3165  
Delta R.T. -0.01 min  
Lab File: BG042491.D  
Acq: 26 Aug 2019 9:17

Tgt Ion:240 Resp: 348280  
Ion Ratio Lower Upper  
240 100  
120 7.5 5.7 8.5  
236 26.8 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: 74.259 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG042491.D

Acq: 26 Aug 2019 9:17

Instrument :

BNA\_G

ClientSampleId :

DFTPP

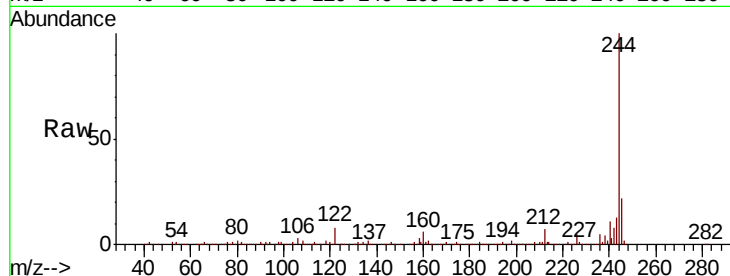
Tgt Ion:244 Resp: 1196302

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

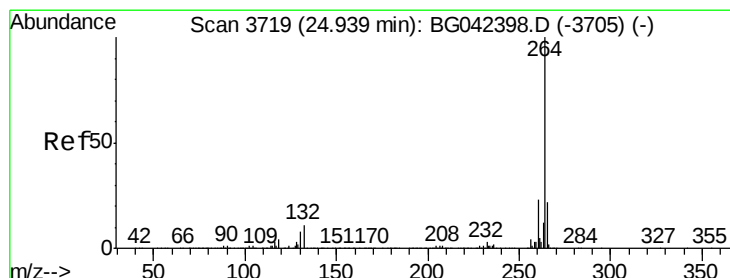
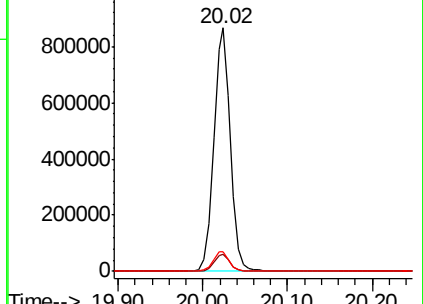
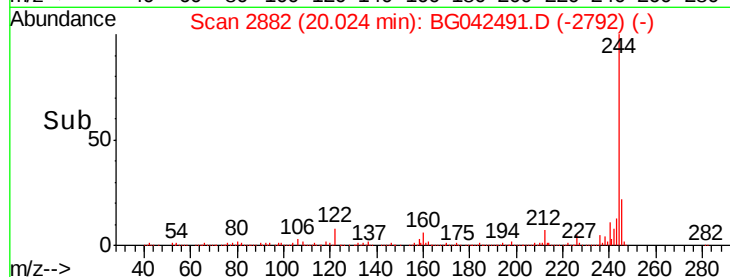
122 8.3 6.7 10.1



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: 24.93 min Scan# 3717

Delta R.T. -0.01 min

Lab File: BG042491.D

Acq: 26 Aug 2019 9:17

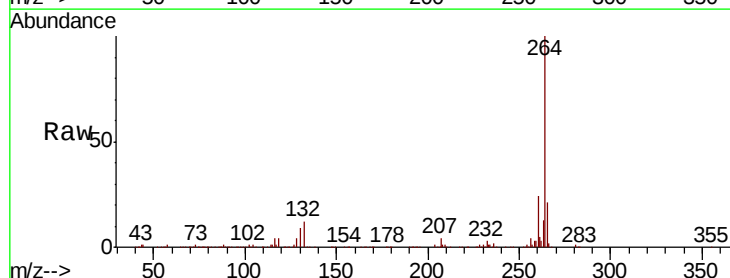
Tgt Ion:264 Resp: 407789

Ion Ratio Lower Upper

264 100

260 24.1 18.5 27.7

265 21.2 17.6 26.4



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

