

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102419\  
 Data File : BG043330.D  
 Acq On : 24 Oct 2019 14:20  
 Operator : JU  
 Sample : PB124233BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB124233BL

Quant Time: Oct 24 16:56:24 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 21 16:37:43 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.02  | 152  | 44210    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.83 | 136  | 139658   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.65 | 164  | 112040   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.40 | 188  | 274197   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.66 | 240  | 322627   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.86 | 264  | 367616   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 305137   | 126.48 | ng    | 0.00     |
| 7) Phenol-d6                | 7.20  | 99   | 416740   | 120.06 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 242062   | 89.36  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.14 | 330  | 247245   | 115.96 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.28 | 172  | 681334   | 84.03  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.00 | 244  | 1453456  | 84.52  | ng    | 0.00     |

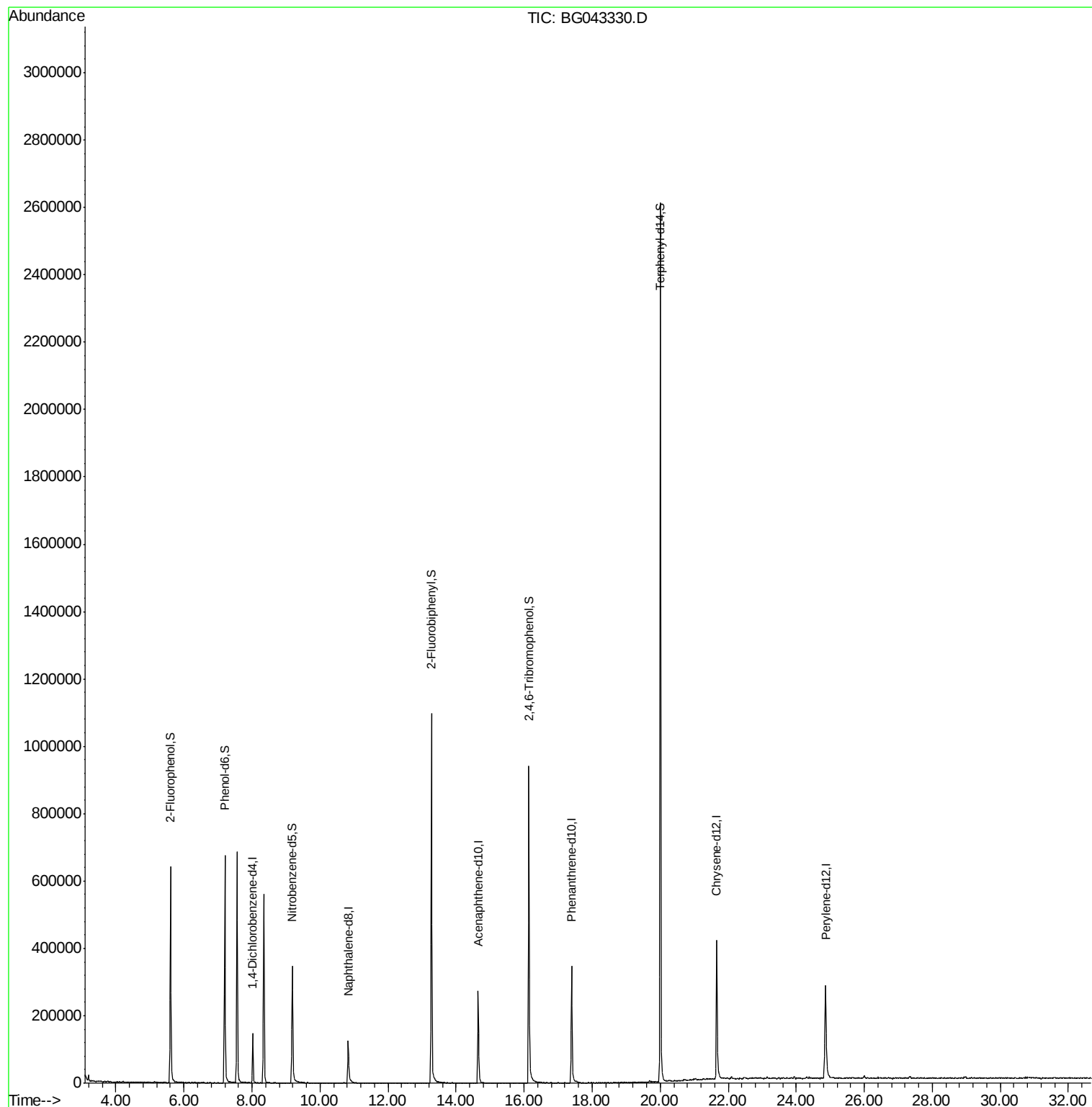
Target Compounds Qvalue

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102419\  
Data File : BG043330.D  
Acq On : 24 Oct 2019 14:20  
Operator : JU  
Sample : PB124233BL  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PB124233BL

Quant Time: Oct 24 16:56:24 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 21 16:37:43 2019  
Response via : Initial Calibration



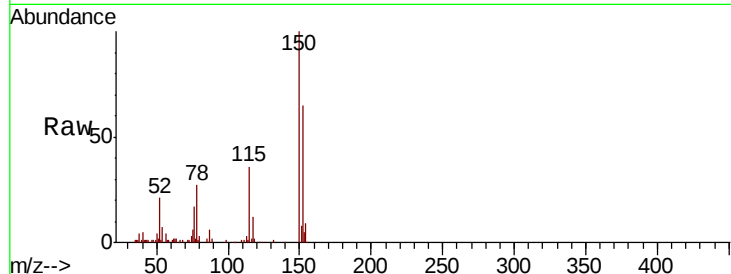


#1

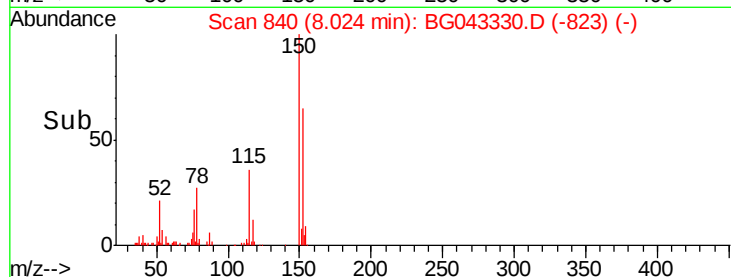
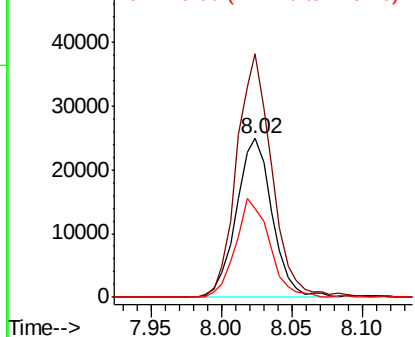
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.02 min Scan# 840  
Delta R.T. -0.00 min  
Lab File: BG043330.D  
Acq: 24 Oct 2019 14:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB124233BL

Tot Ion:152 Resp: 44210  
Ion Ratio Lower Upper  
152 100  
150 153.3 113.6 170.4  
115 55.7 45.9 68.9



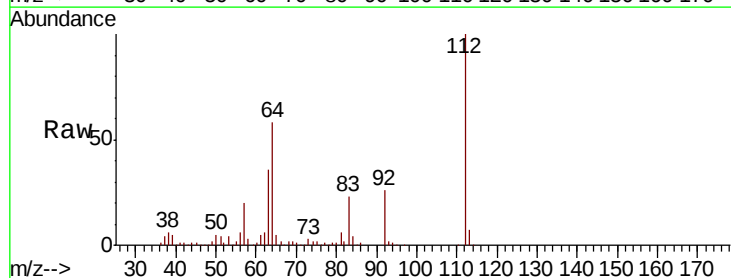
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



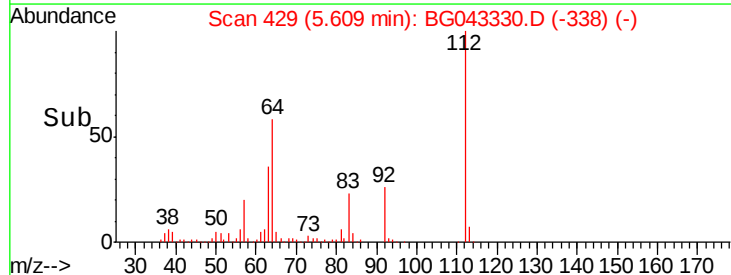
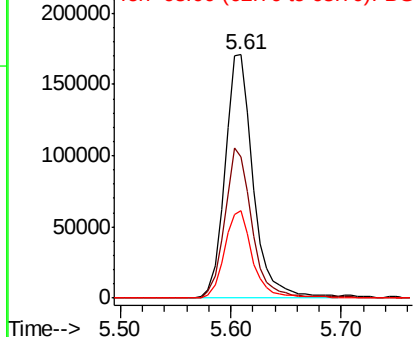
#5

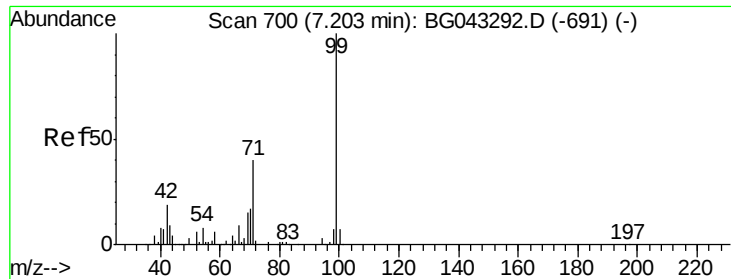
2-Fluorophenol  
Concen: 126.475 ng  
RT: 5.61 min Scan# 428  
Delta R.T. 0.00 min  
Lab File: BG043330.D  
Acq: 24 Oct 2019 14:20

Tgt Ion:112 Resp: 305137  
Ion Ratio Lower Upper  
112 100  
64 58.1 50.2 75.2  
63 35.9 26.7 40.1



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 120.057 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG043330.D

Acq: 24 Oct 2019 14:20

Instrument :

BNA\_G

ClientSampleId :

PB124233BL

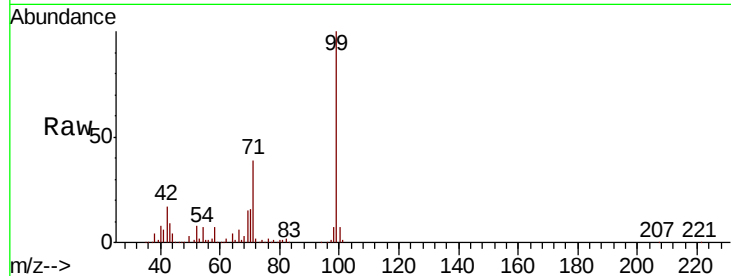
Tot Ion: 99 Resp: 416740

Ion Ratio Lower Upper

99 100

42 17.2 14.9 22.3

71 39.3 32.2 48.2

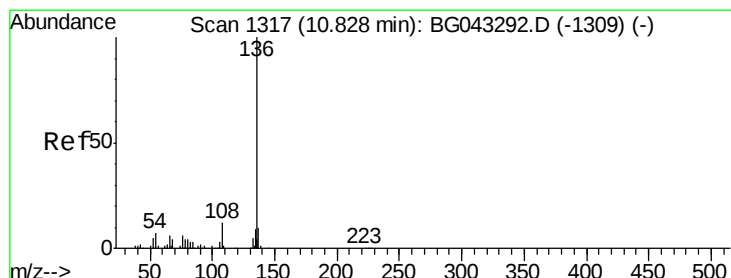
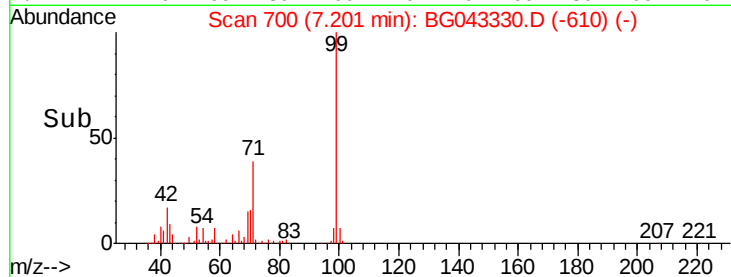
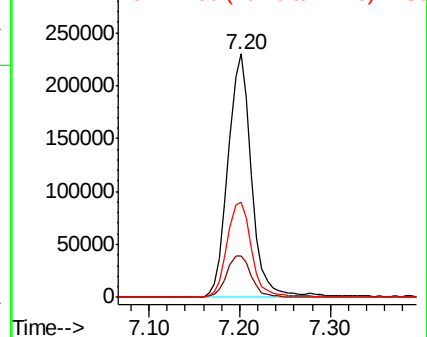


Abundance

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: 10.83 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BG043330.D

Acq: 24 Oct 2019 14:20

Tgt Ion: 136 Resp: 139658

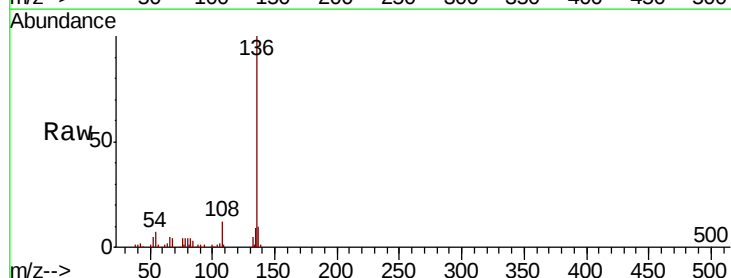
Ion Ratio Lower Upper

136 100

137 10.3 8.2 12.2

54 7.3 5.4 8.2

68 3.8 3.3 4.9



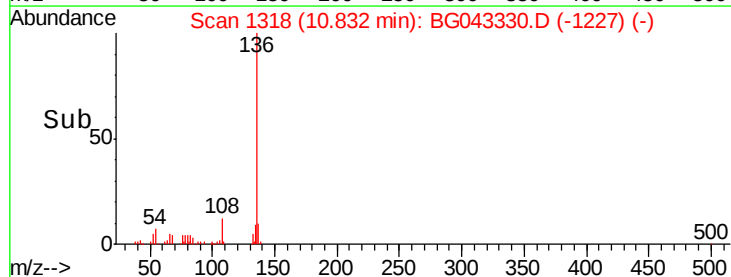
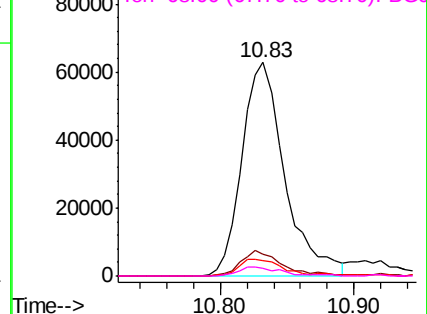
Abundance

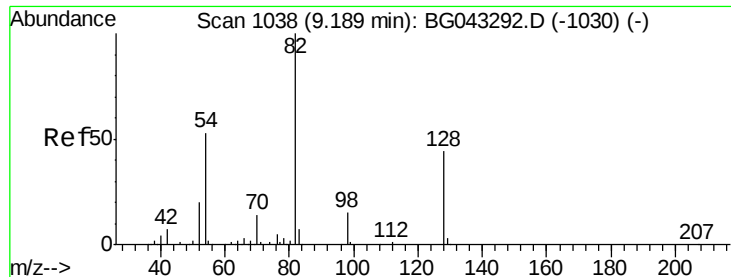
Ion 136.00 (135.70 to 136.70): BGC

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

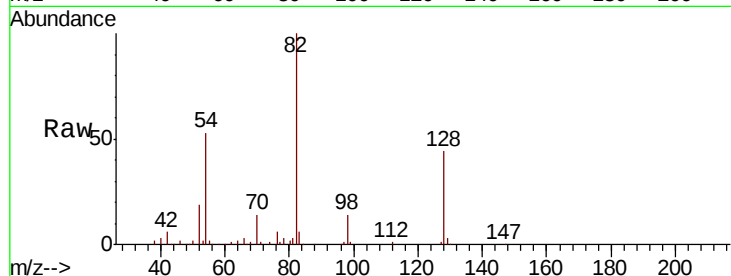




#23  
Nitrobenzene-d5  
Concen: 89.357 ng  
RT: 9.19 min Scan# 1038  
Delta R.T. -0.00 min  
Lab File: BG043330.D  
Acq: 24 Oct 2019 14:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB124233BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 43.8  | 35.3  | 52.9  |
| 54      | 53.3  | 42.3  | 63.5  |

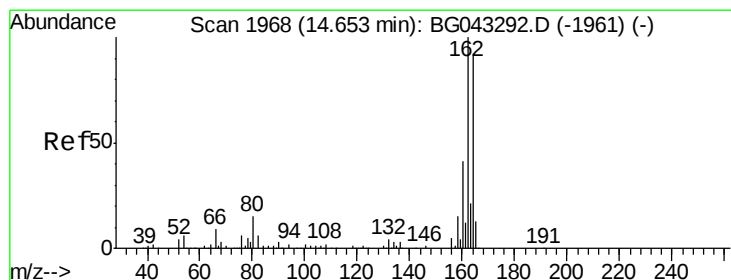
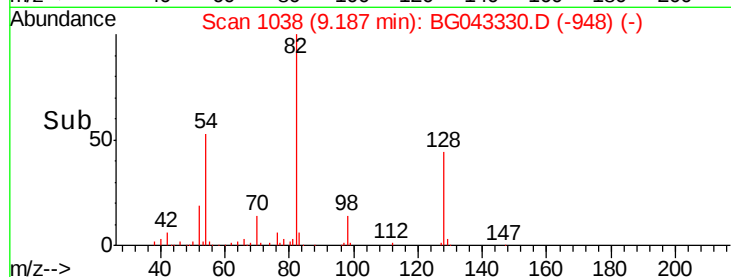
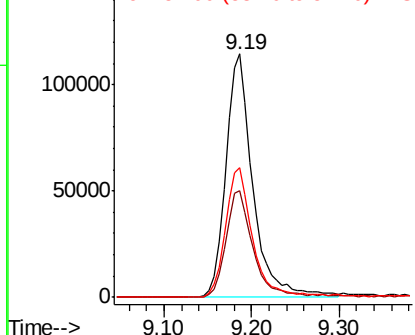


Abundance

Ion 82.00 (81.70 to 82.70): BGC

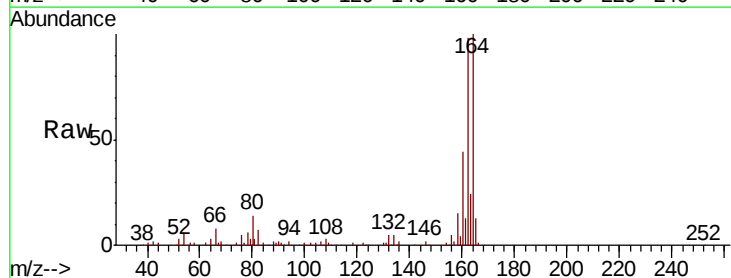
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.65 min Scan# 1968  
Delta R.T. -0.00 min  
Lab File: BG043330.D  
Acq: 24 Oct 2019 14:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 98.3  | 87.0  | 130.4 |
| 160     | 44.3  | 35.5  | 53.3  |

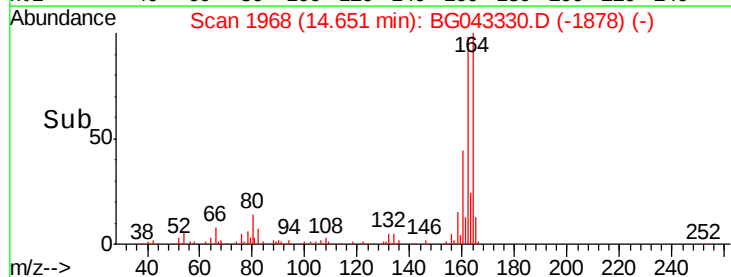
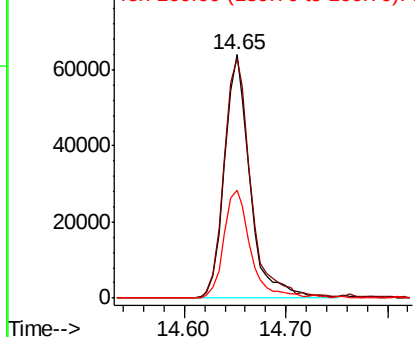


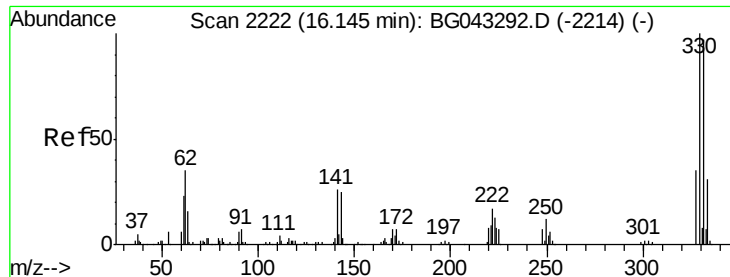
Abundance

Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

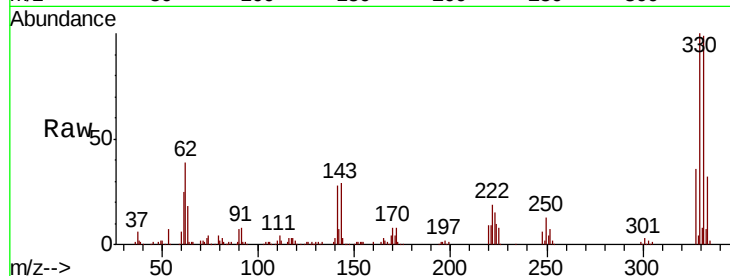




#42  
 2,4,6-Tribromophenol  
 Concen: 115.962 ng  
 RT: 16.14 min Scan# 2221  
 Delta R.T. -0.01 min  
 Lab File: BG043330.D  
 Acq: 24 Oct 2019 14:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB124233BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 76.4  | 114.6 |
| 141     | 27.5  | 21.4  | 32.0  |

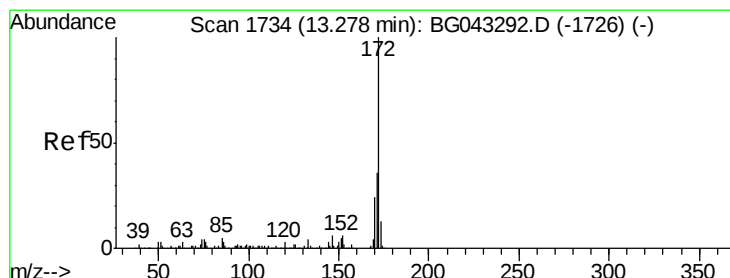
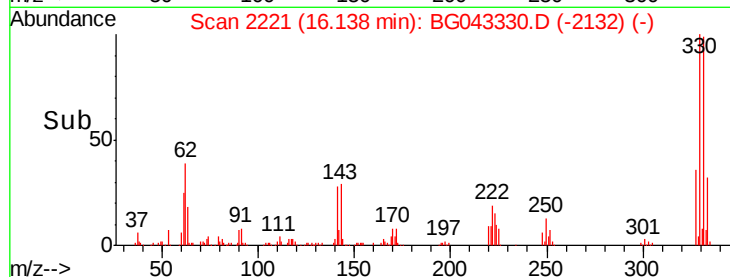
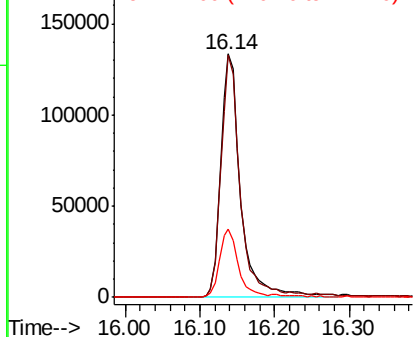


Abundance

Ion 329.80 (329.50 to 330.50): E

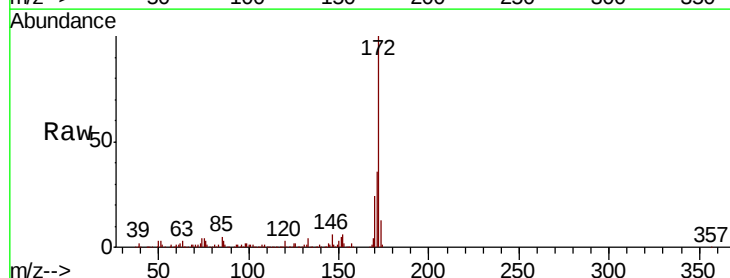
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 84.030 ng  
 RT: 13.28 min Scan# 1734  
 Delta R.T. -0.00 min  
 Lab File: BG043330.D  
 Acq: 24 Oct 2019 14:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 28.5  | 42.7  |
| 170     | 23.9  | 18.8  | 28.2  |

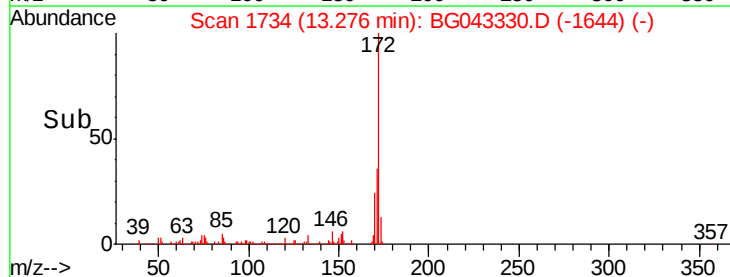
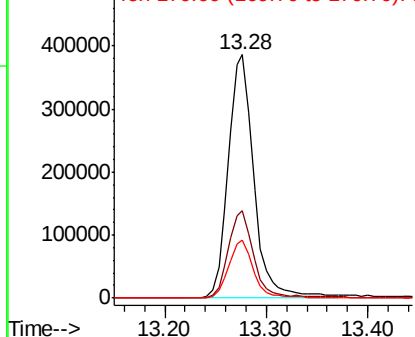


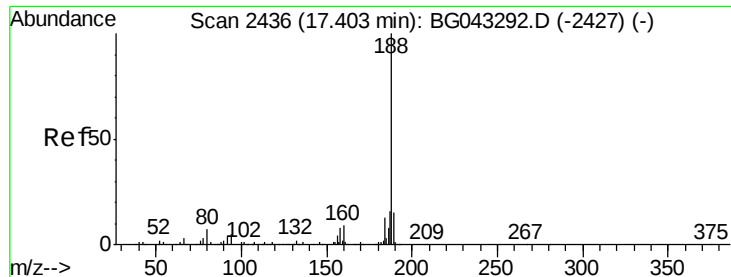
Abundance

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: 17.40 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043330.D

Acq: 24 Oct 2019 14:20

Instrument :

BNA\_G

ClientSampleId :

PB124233BL

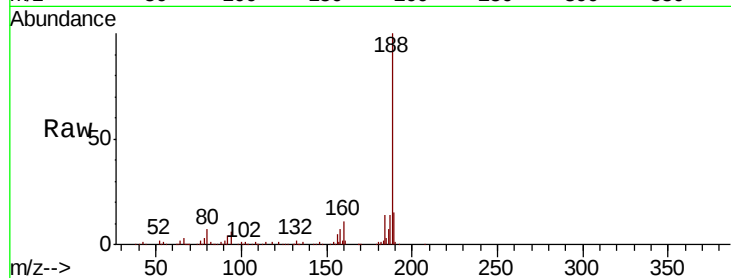
Tot Ion:188 Resp: 274197

Ion Ratio Lower Upper

188 100

94 5.5 4.2 6.2

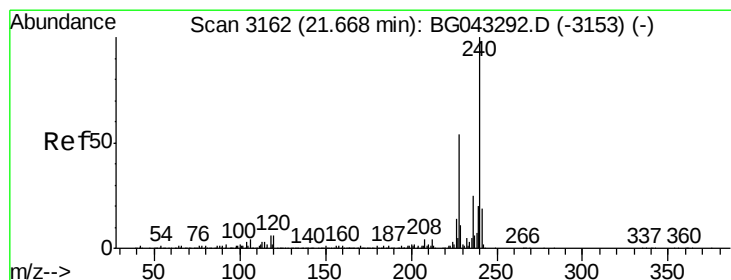
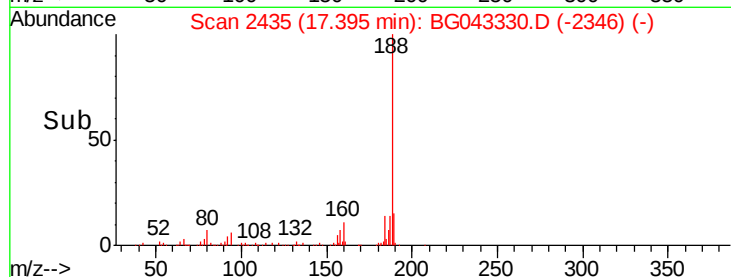
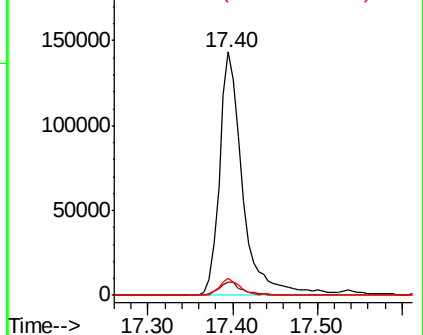
80 7.2 5.2 7.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG043330.D

Acq: 24 Oct 2019 14:20

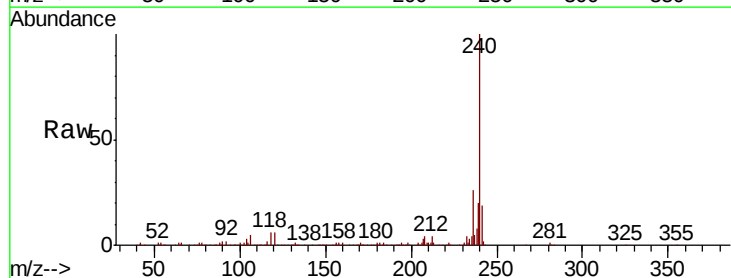
Tgt Ion:240 Resp: 322627

Ion Ratio Lower Upper

240 100

120 6.1 4.6 7.0

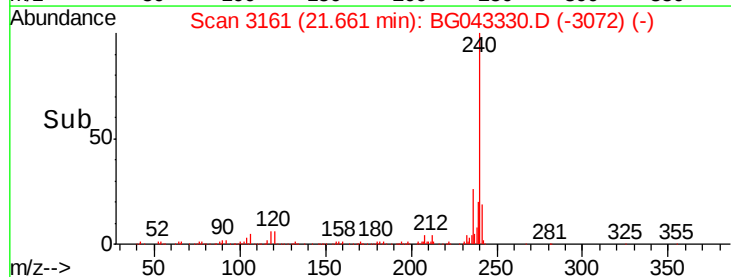
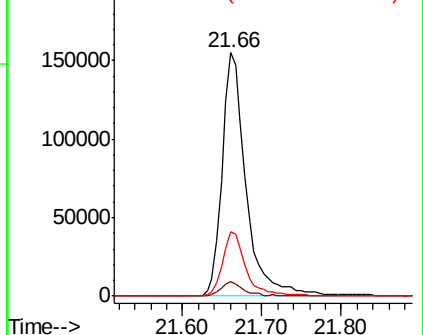
236 26.4 20.2 30.4

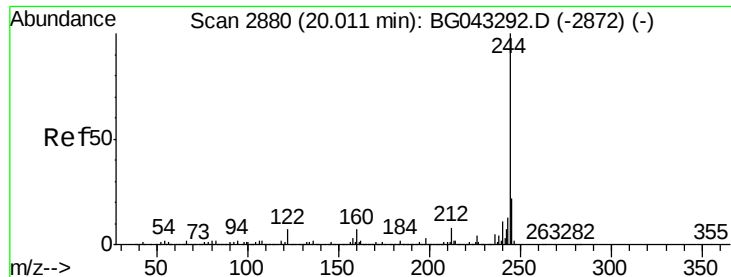


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 84.518 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043330.D

Acq: 24 Oct 2019 14:20

Instrument :

BNA\_G

ClientSampleId :

PB124233BL

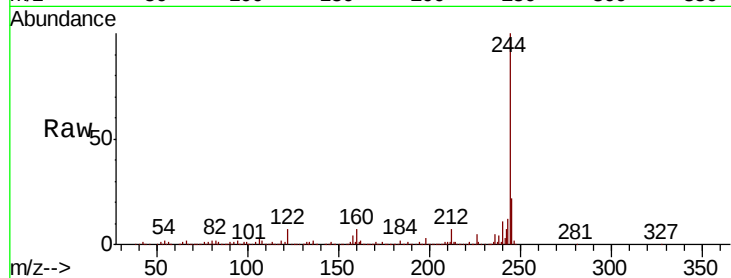
Tot Ion:244 Resp: 1453456

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.4   | 6.4   | 9.6   |
| 122 | 7.2   | 5.3   | 7.9   |

244 100

212 7.4 6.4 9.6

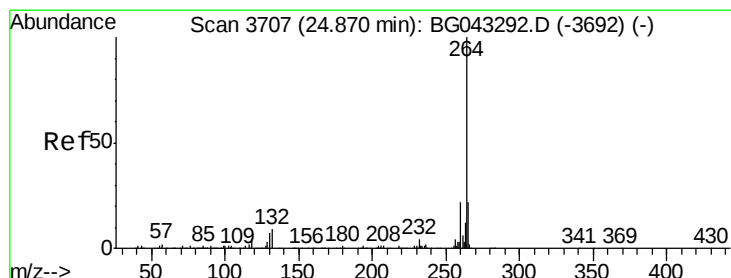
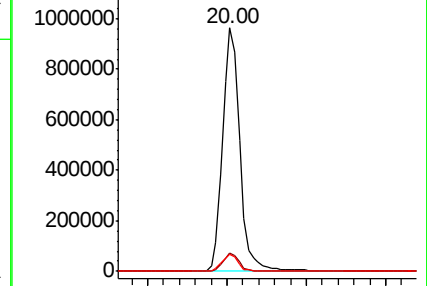
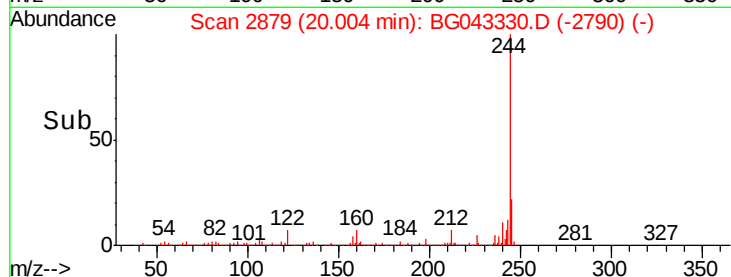
122 7.2 5.3 7.9



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: 24.86 min Scan# 3706

Delta R.T. -0.01 min

Lab File: BG043330.D

Acq: 24 Oct 2019 14:20

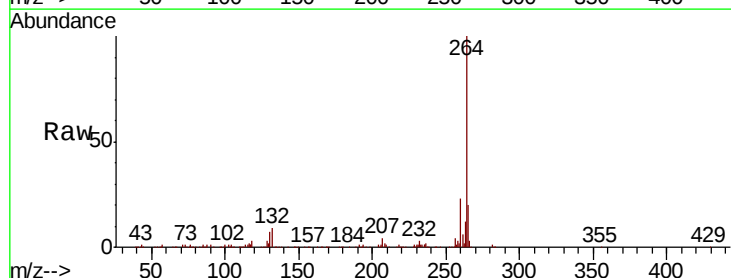
Tgt Ion:264 Resp: 367616

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.4  | 17.9  | 26.9  |
| 265 | 20.0  | 17.4  | 26.2  |

264 100

260 23.4 17.9 26.9

265 20.0 17.4 26.2



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

