

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082818\  
 Data File : BG036473.D  
 Acq On : 29 Aug 2018 00:51  
 Operator : JU/SJ  
 Sample : J4652-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SONO-S

Quant Time: Aug 29 05:45:04 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 23 12:07:02 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.07  | 152  | 63483    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.87 | 136  | 267009   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.68 | 164  | 176735   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.43 | 188  | 468831   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.69 | 240  | 489043   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.91 | 264  | 440625   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.63  | 112  | 413942   | 103.43 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 534717   | 93.32  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.22  | 82   | 390452   | 79.34  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.17 | 330  | 281247   | 133.37 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.31 | 172  | 899196   | 72.64  | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.03 | 244  | 1612960  | 77.09  | ng    | -0.02    |

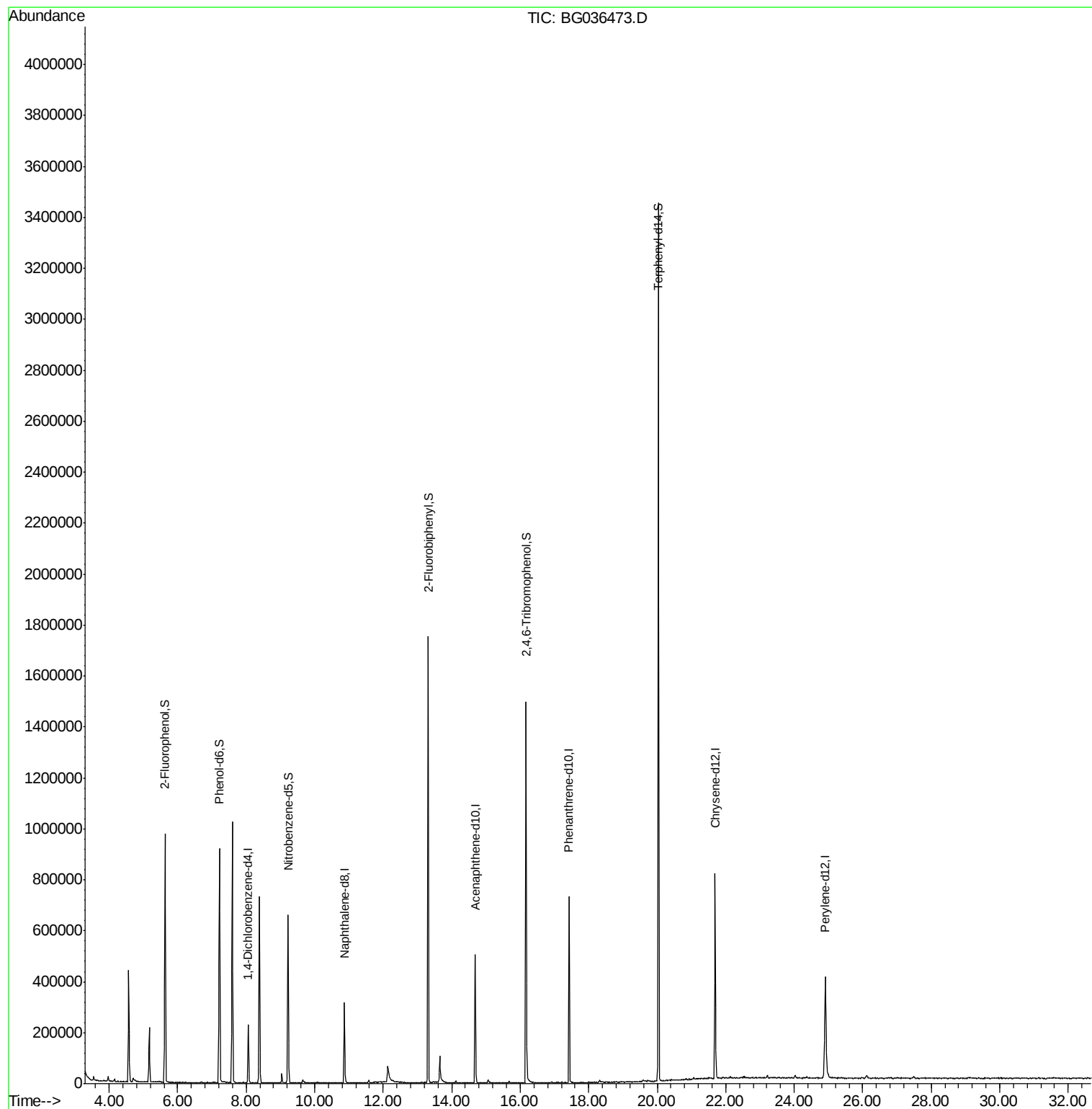
Target Compounds Qvalue

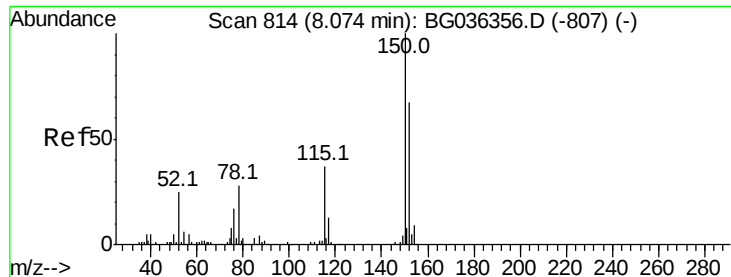
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082818\  
Data File : BG036473.D  
Acq On : 29 Aug 2018 00:51  
Operator : JU/SJ  
Sample : J4652-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SONO-S

Quant Time: Aug 29 05:45:04 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 23 12:07:02 2018  
Response via : Initial Calibration



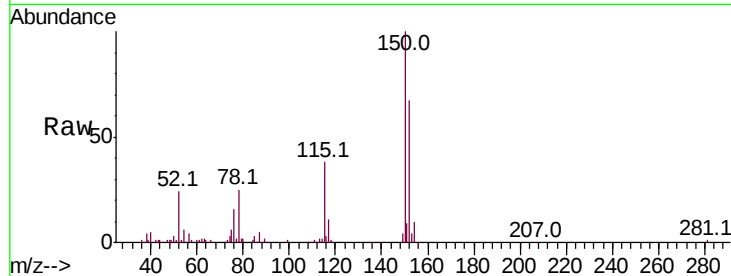


#1

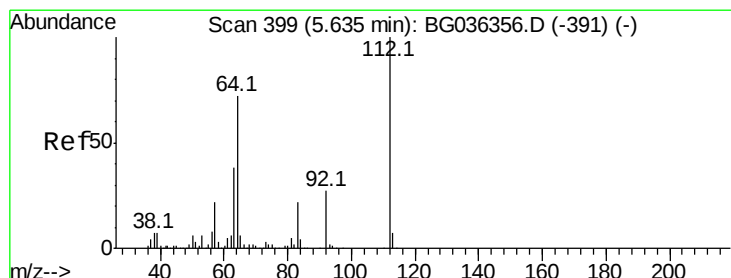
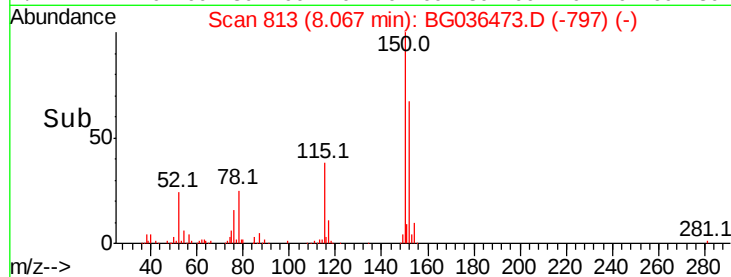
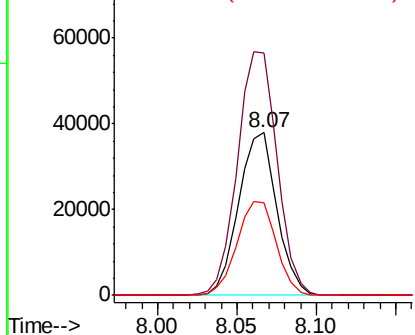
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.07 min Scan# 813  
Delta R.T. -0.01 min  
Lab File: BG036473.D  
Acq: 29 Aug 2018 00:51

Instrument :  
BNA\_G  
ClientSampleId :  
SONO-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 149.0 | 119.5 | 179.3 |
| 115     | 57.2  | 44.5  | 66.7  |



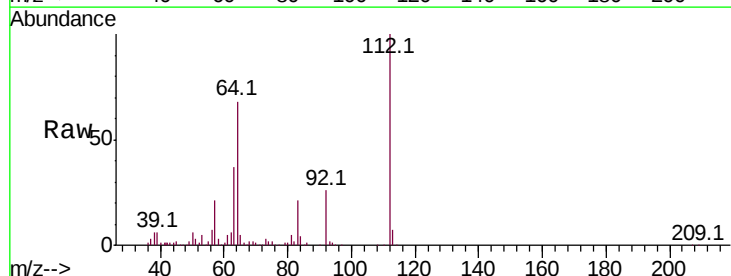
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



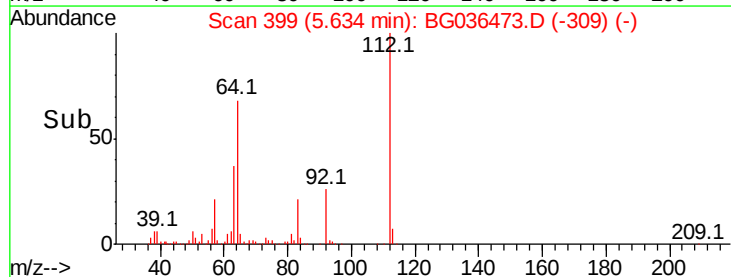
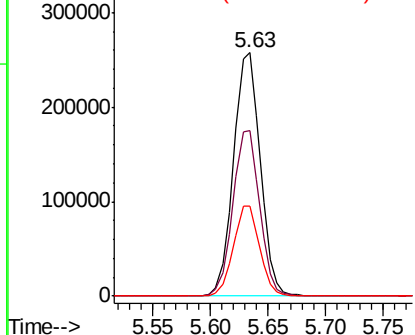
#5

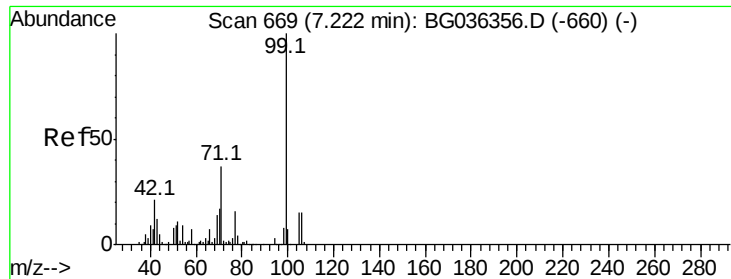
2-Fluorophenol  
Concen: 103.435 ng  
RT: 5.63 min Scan# 399  
Delta R.T. -0.00 min  
Lab File: BG036473.D  
Acq: 29 Aug 2018 00:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 67.9  | 57.2  | 85.8  |
| 63      | 36.7  | 30.8  | 46.2  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG0  
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 93.322 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG036473.D

Acq: 29 Aug 2018 00:51

Instrument :

BNA\_G

ClientSampleId :

SONO-S

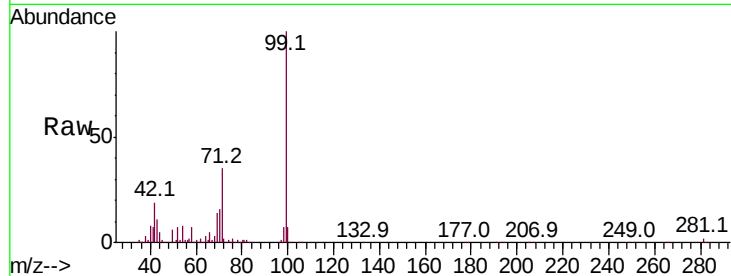
Tot Ion: 99 Resp: 534717

Ion Ratio Lower Upper

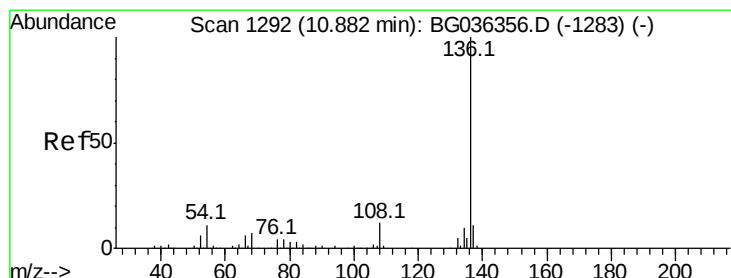
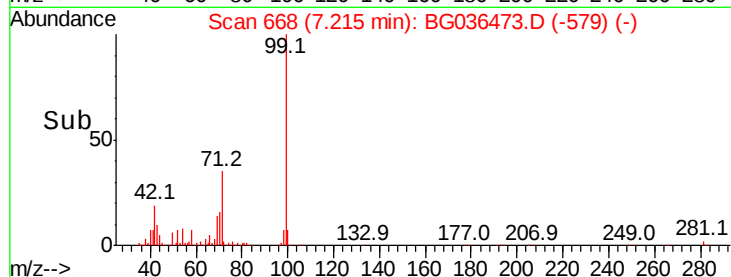
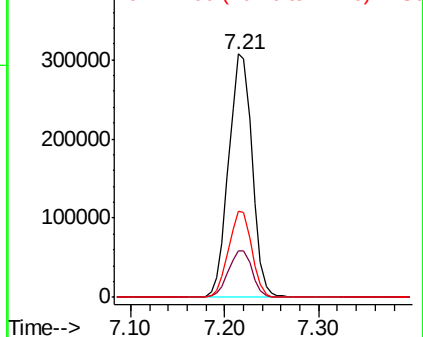
99 100

42 19.1 16.5 24.7

71 35.1 29.4 44.2



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: 10.87 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BG036473.D

Acq: 29 Aug 2018 00:51

Tgt Ion: 136 Resp: 267009

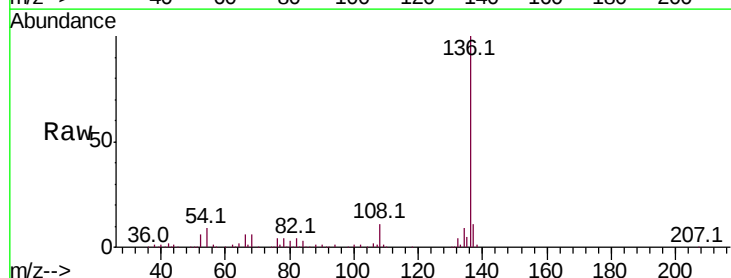
Ion Ratio Lower Upper

136 100

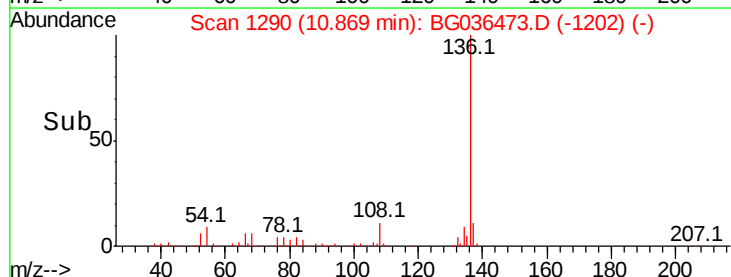
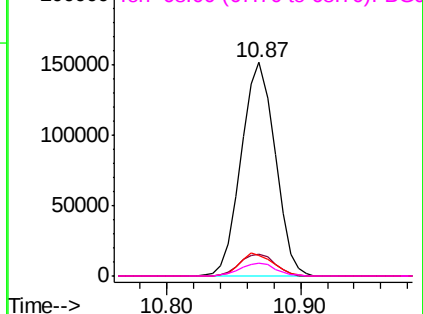
137 10.5 8.8 13.2

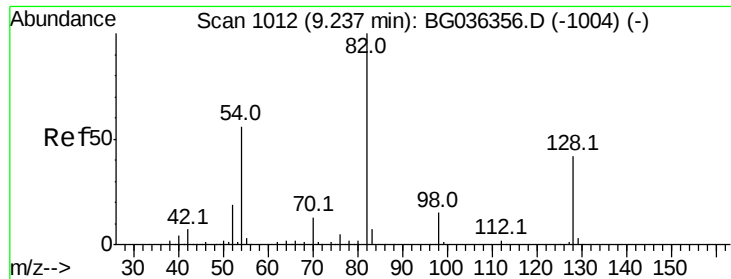
54 9.4 9.2 13.8

68 6.2 5.8 8.6



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

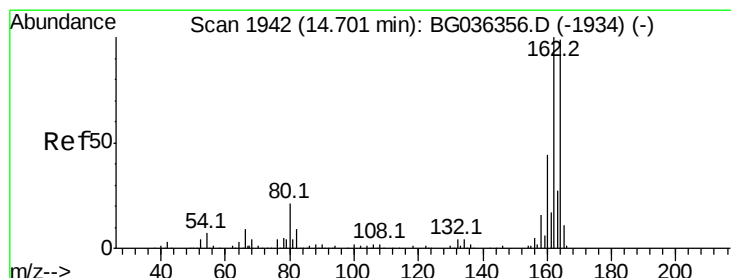
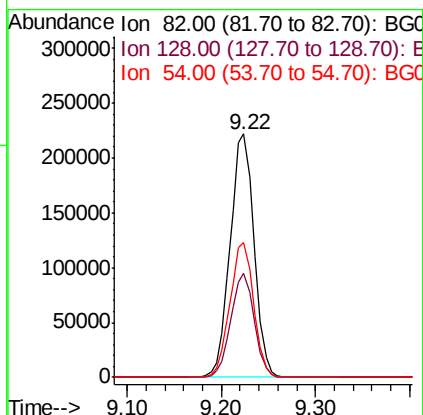
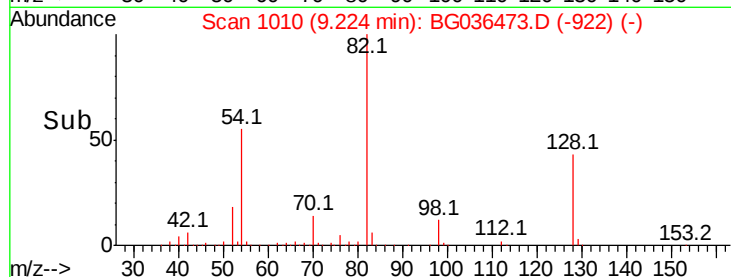
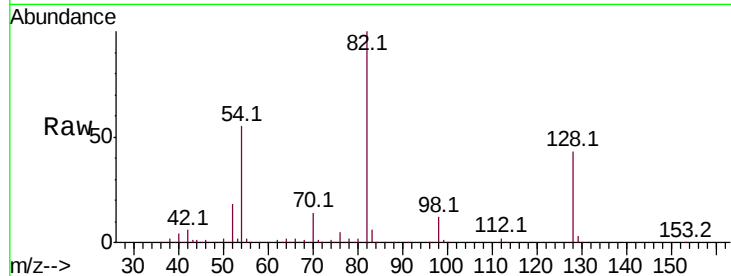




#23  
 Nitrobenzene-d5  
 Concen: 79.341 ng  
 RT: 9.22 min Scan# 1010  
 Delta R.T. -0.01 min  
 Lab File: BG036473.D  
 Acq: 29 Aug 2018 00:51

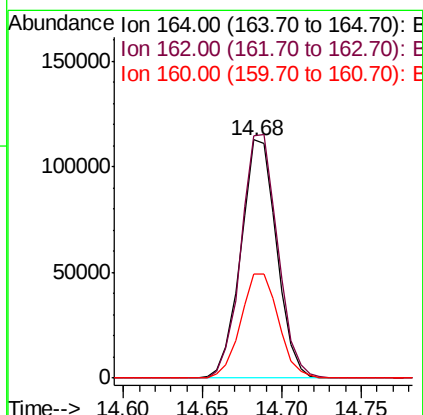
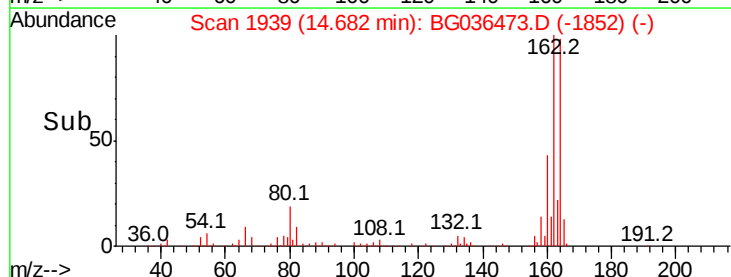
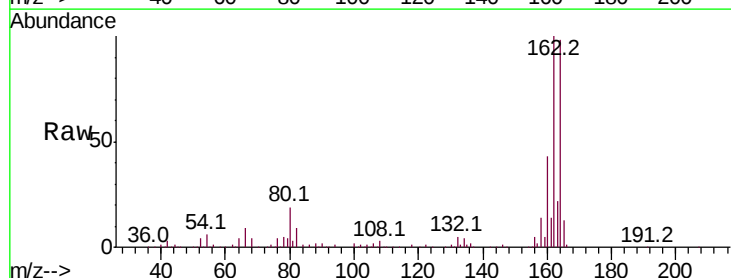
Instrument :  
 BNA\_G  
 ClientSampled :  
 SONO-S

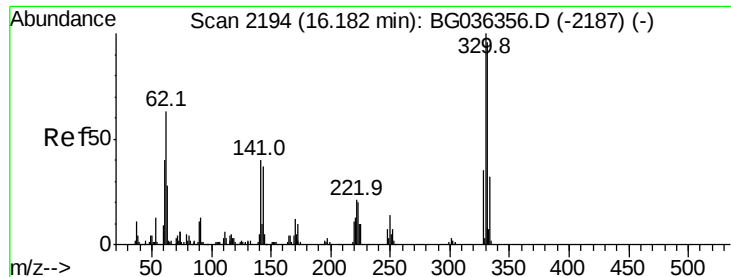
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 42.6  | 33.3  | 49.9  |
| 54      | 55.1  | 45.1  | 67.7  |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.68 min Scan# 1939  
 Delta R.T. -0.02 min  
 Lab File: BG036473.D  
 Acq: 29 Aug 2018 00:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.9 | 80.7  | 121.1 |
| 160     | 43.7  | 35.3  | 52.9  |

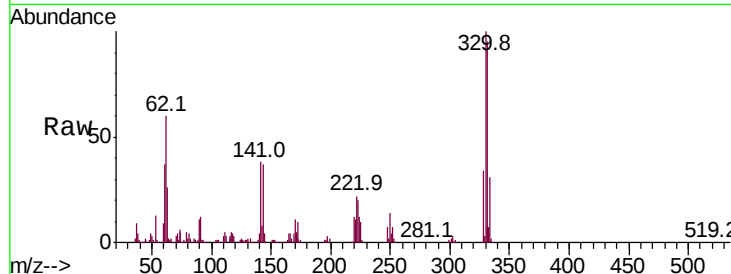




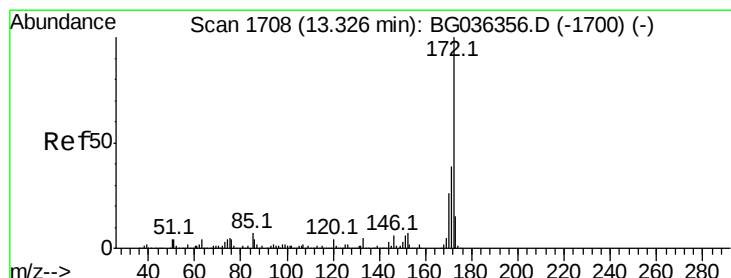
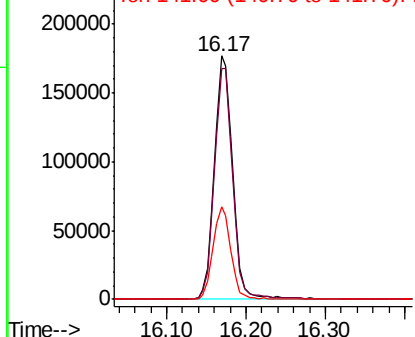
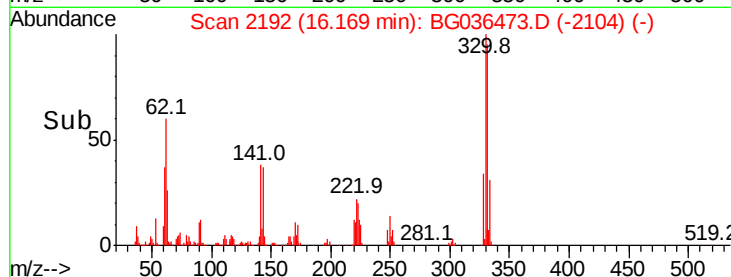
#41  
2,4,6-Tribromophenol  
Concen: 133.366 ng  
RT: 16.17 min Scan# 2192  
Delta R.T. -0.01 min  
Lab File: BG036473.D  
Acq: 29 Aug 2018 00:51

Instrument :  
BNA\_G  
ClientSampleId :  
SONO-S

Tot Ion:330 Resp: 281247  
Ion Ratio Lower Upper  
330 100  
332 95.0 75.4 113.2  
141 37.2 30.7 46.1

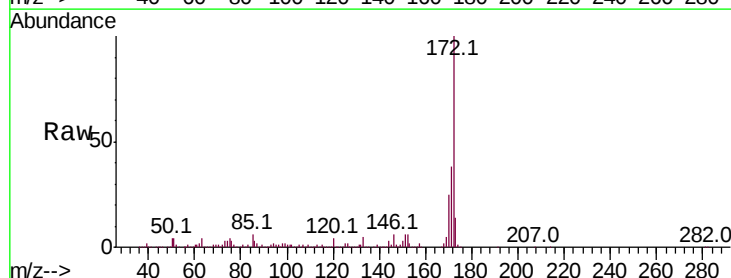


Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

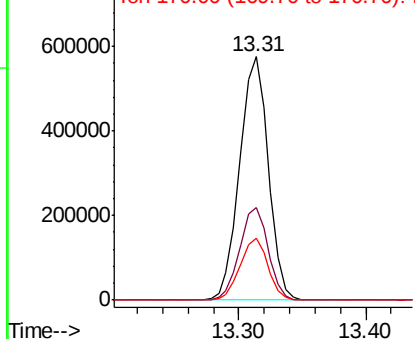
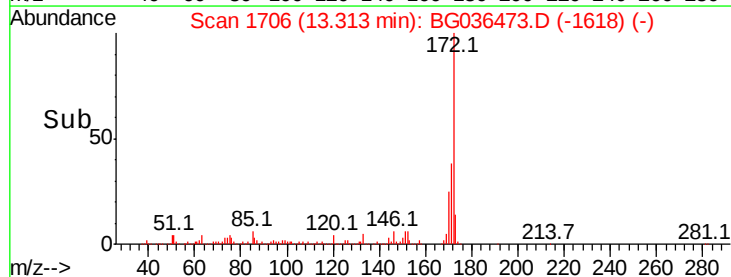


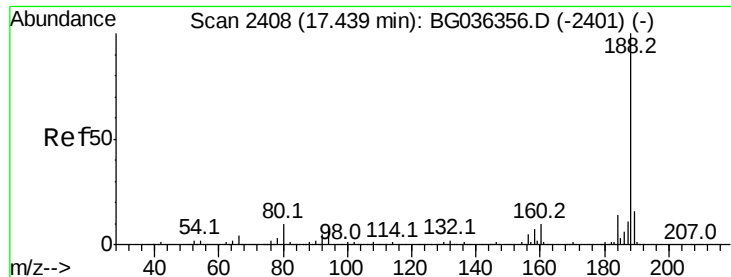
#44  
2-Fluorobiphenyl  
Concen: 72.645 ng  
RT: 13.31 min Scan# 1706  
Delta R.T. -0.01 min  
Lab File: BG036473.D  
Acq: 29 Aug 2018 00:51

Tgt Ion:172 Resp: 899196  
Ion Ratio Lower Upper  
172 100  
171 38.2 31.3 46.9  
170 25.3 21.0 31.6



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

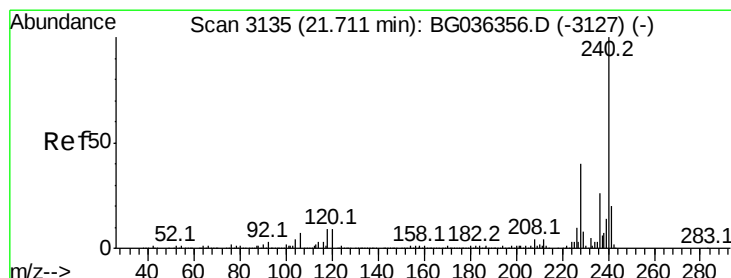
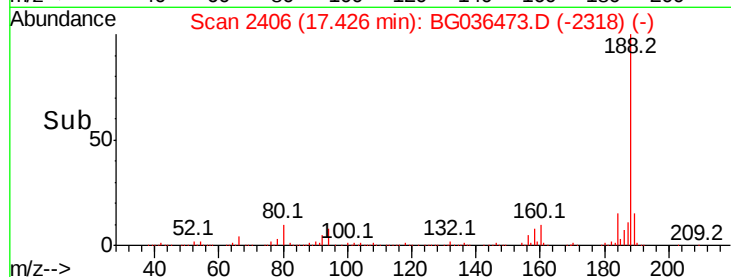
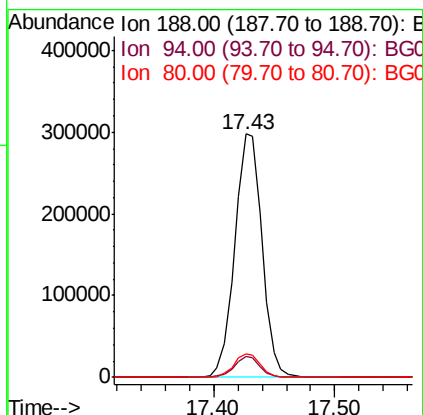
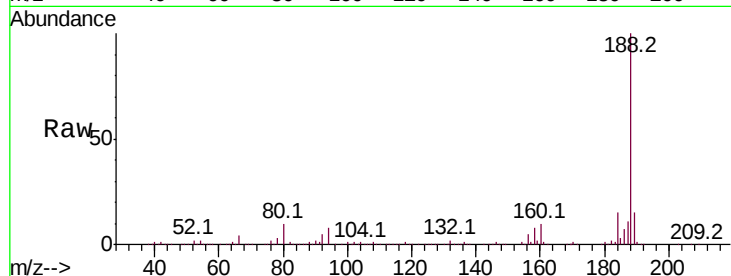




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.43 min Scan# 2406  
Delta R.T. -0.01 min  
Lab File: BG036473.D  
Acq: 29 Aug 2018 00:51

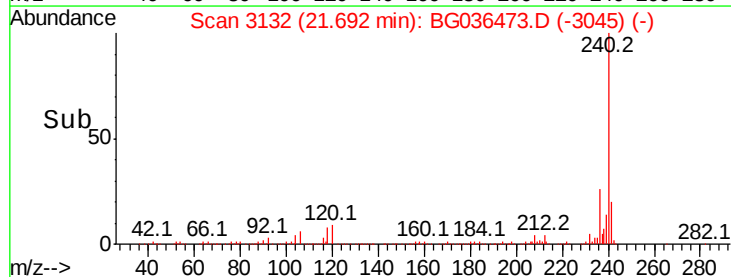
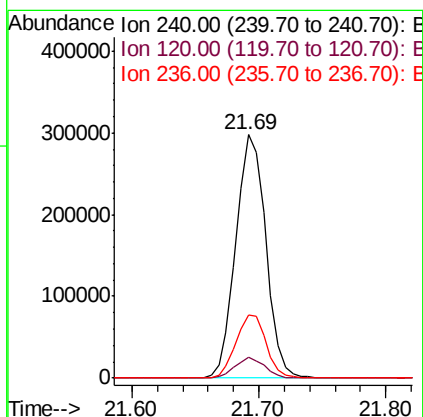
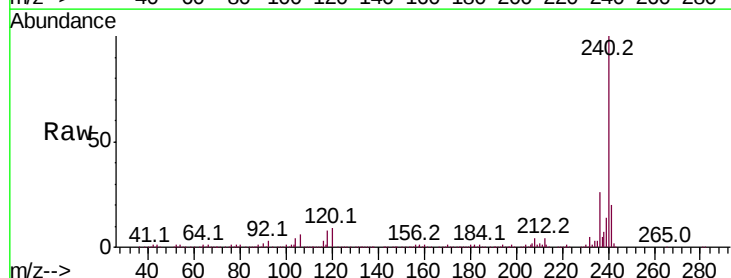
Instrument :  
BNA\_G  
ClientSampleId :  
SONO-S

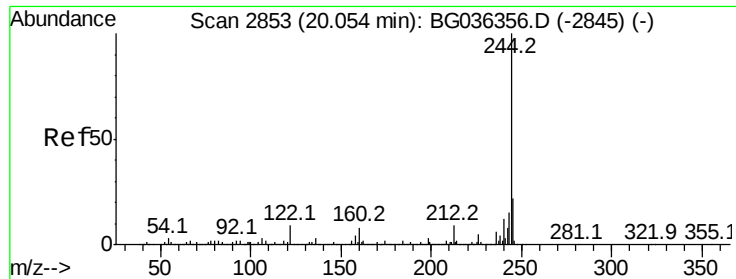
Tot Ion:188 Resp: 468831  
Ion Ratio Lower Upper  
188 100  
94 8.3 6.7 10.1  
80 9.5 8.1 12.1



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.69 min Scan# 3132  
Delta R.T. -0.02 min  
Lab File: BG036473.D  
Acq: 29 Aug 2018 00:51

Tgt Ion:240 Resp: 489043  
Ion Ratio Lower Upper  
240 100  
120 8.8 6.9 10.3  
236 26.1 21.2 31.8





#78

Terphenyl-d14

Concen: 77.090 ng

RT: 20.03 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG036473.D

Acq: 29 Aug 2018 00:51

Instrument :

BNA\_G

ClientSampleId :

SONO-S

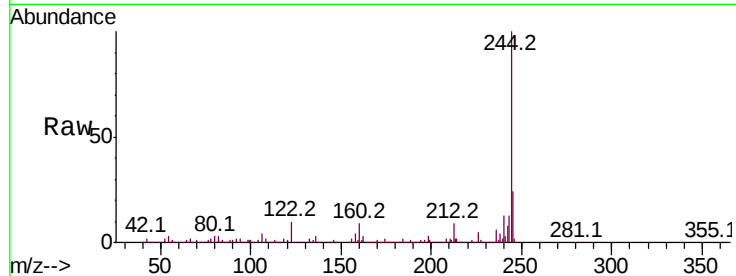
Tot Ion:244 Resp: 1612960

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.6

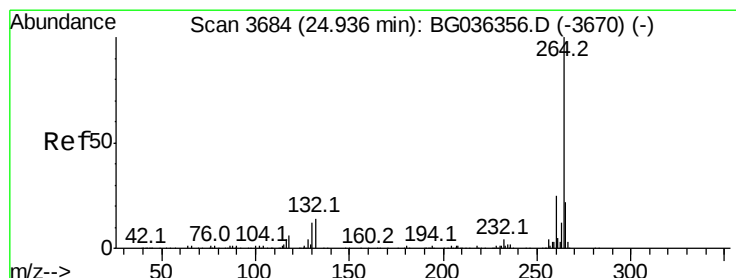
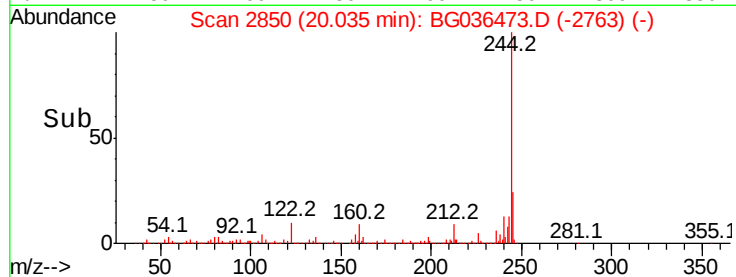
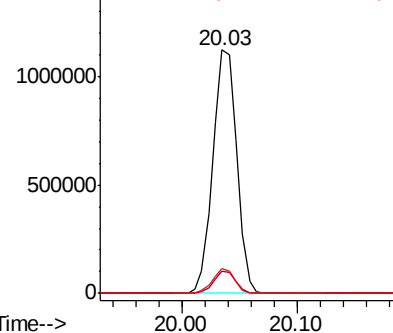
122 10.0 7.1 10.7



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3680

Delta R.T. -0.02 min

Lab File: BG036473.D

Acq: 29 Aug 2018 00:51

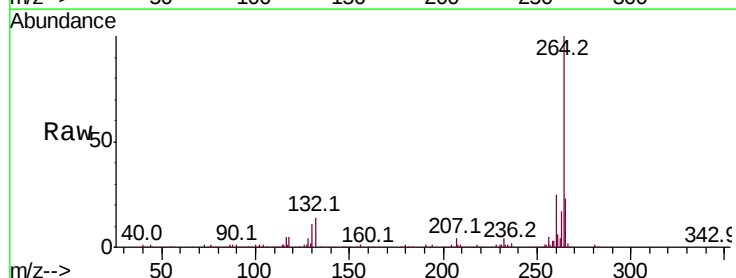
Tgt Ion:264 Resp: 440625

Ion Ratio Lower Upper

264 100

260 24.9 19.6 29.4

265 23.0 17.4 26.0



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

