

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112018\  
 Data File : BG038115.D  
 Acq On : 21 Nov 2018 12:28  
 Operator : JU/SJ  
 Sample : PB114976TB  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114976TB

Quant Time: Nov 21 14:02:33 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 13 16:39:28 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.08  | 152  | 35545    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.90 | 136  | 153458   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.72 | 164  | 99334    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.47 | 188  | 230357   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.75 | 240  | 224554   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 25.08 | 264  | 211655   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.63  | 112  | 277261   | 134.68 | ng    | 0.00     |
| 7) Phenol-d6                | 7.23  | 99   | 387341   | 131.81 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.26  | 82   | 237057   | 82.69  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.21 | 330  | 75705    | 66.83  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.34 | 172  | 560903   | 82.26  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.07 | 244  | 868629   | 91.02  | ng    | 0.00     |

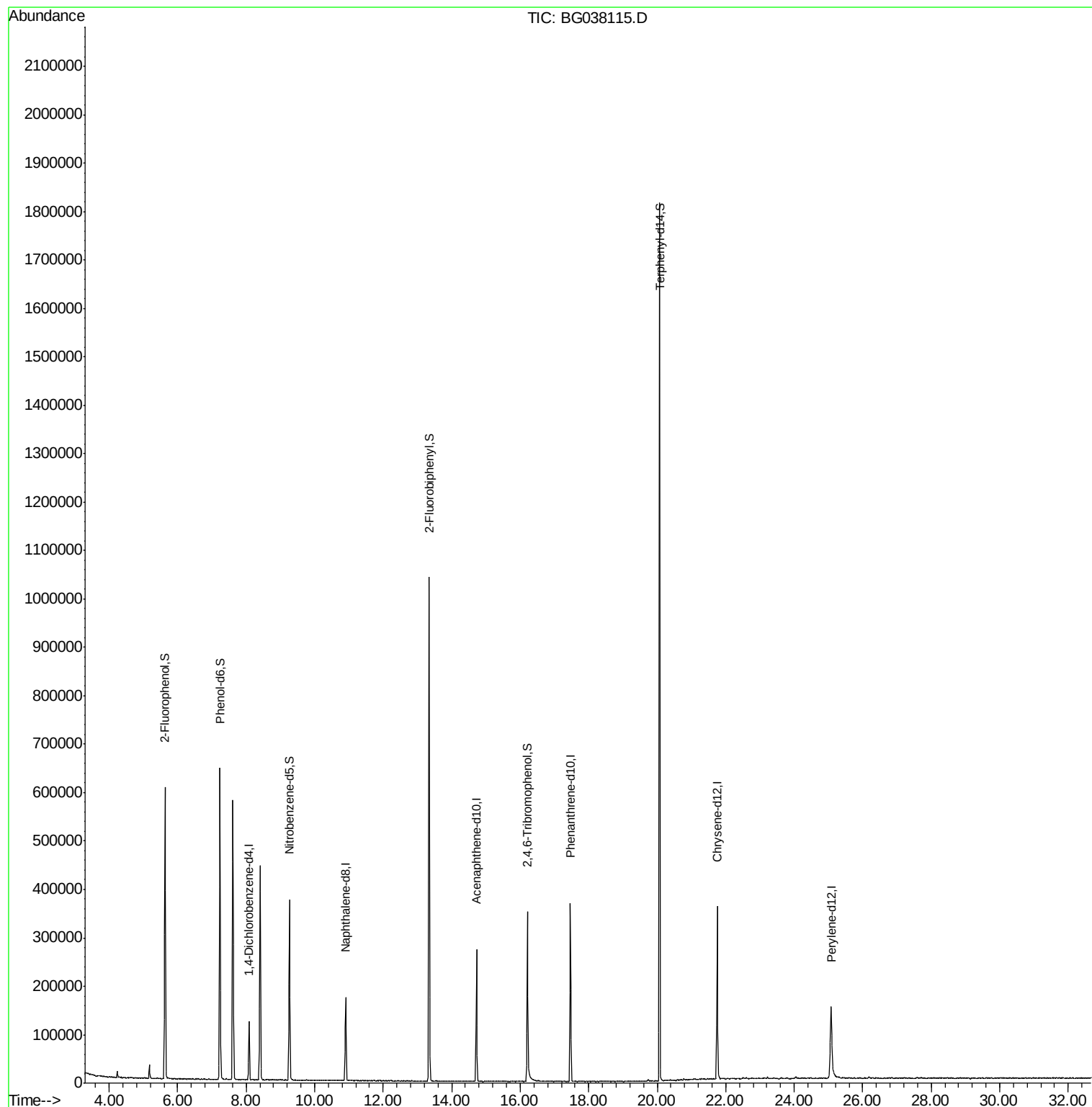
Target Compounds Qvalue

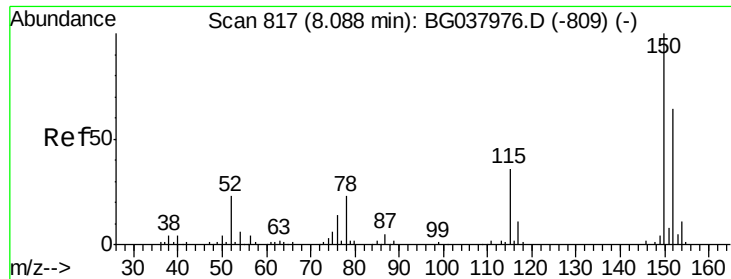
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
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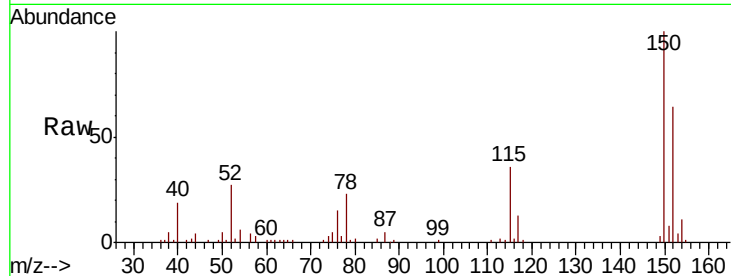


#1

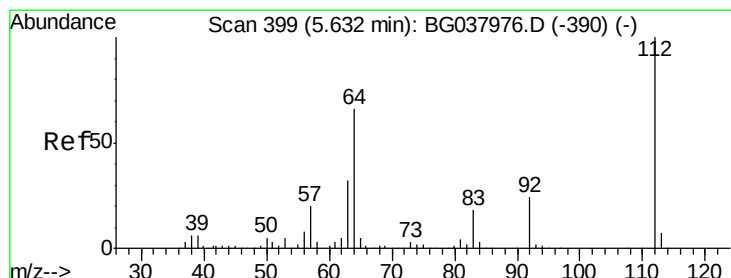
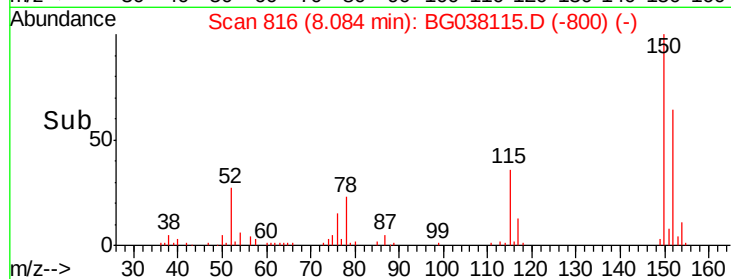
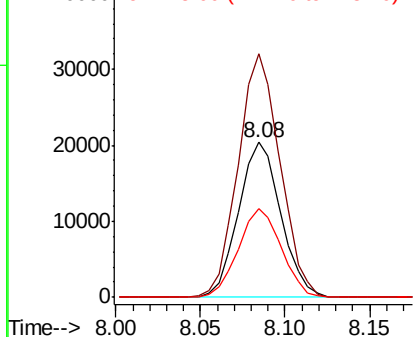
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.08 min Scan# 816  
Delta R.T. -0.00 min  
Lab File: BG038115.D  
Acq: 21 Nov 2018 12:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB114976TB

Tot Ion:152 Resp: 35545  
Ion Ratio Lower Upper  
152 100  
150 156.9 126.0 189.0  
115 56.8 45.5 68.3



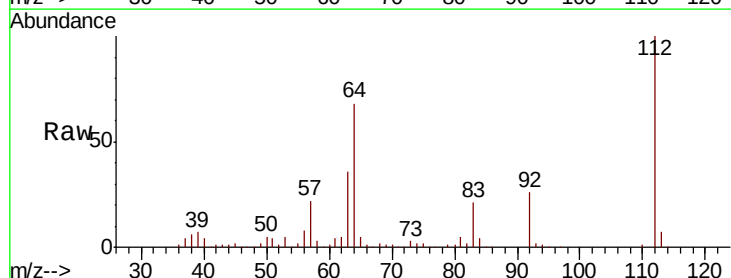
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



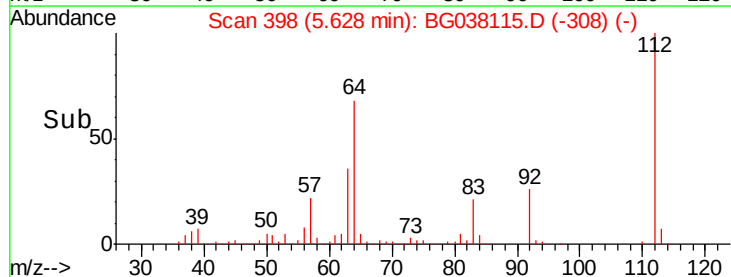
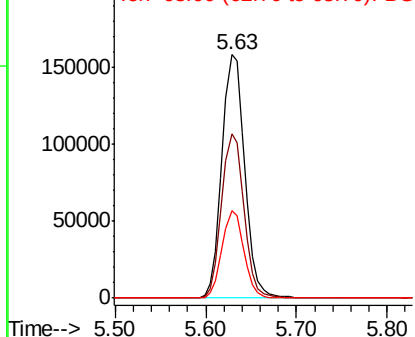
#5

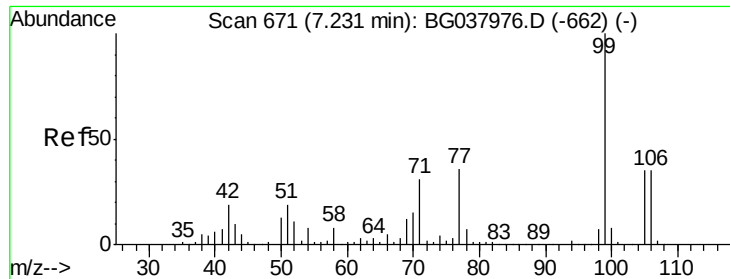
2-Fluorophenol  
Concen: 134.677 ng  
RT: 5.63 min Scan# 398  
Delta R.T. -0.00 min  
Lab File: BG038115.D  
Acq: 21 Nov 2018 12:28

Tgt Ion:112 Resp: 277261  
Ion Ratio Lower Upper  
112 100  
64 67.7 53.1 79.7  
63 36.0 27.3 40.9



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: 131.807 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038115.D

Acq: 21 Nov 2018 12:28

Instrument :

BNA\_G

ClientSampleId :

PB114976TB

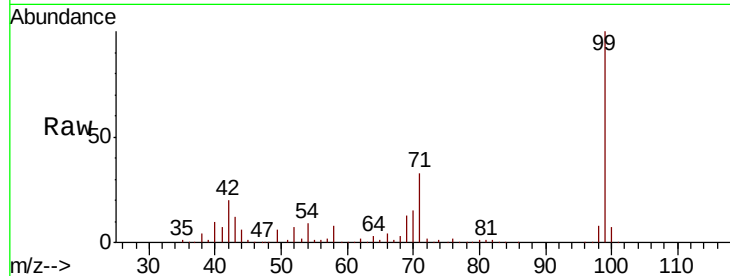
Tot Ion: 99 Resp: 387341

Ion Ratio Lower Upper

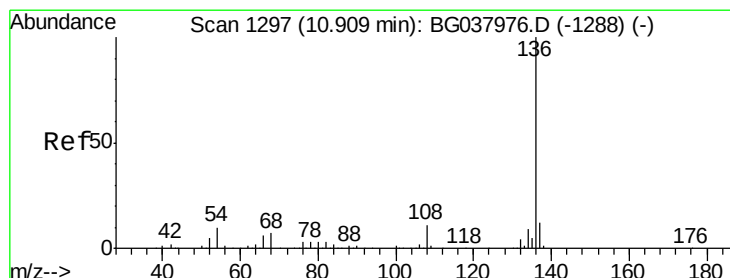
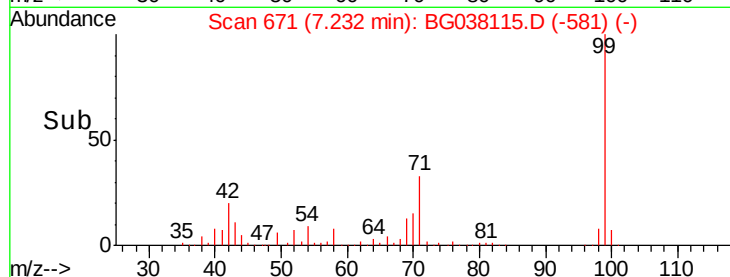
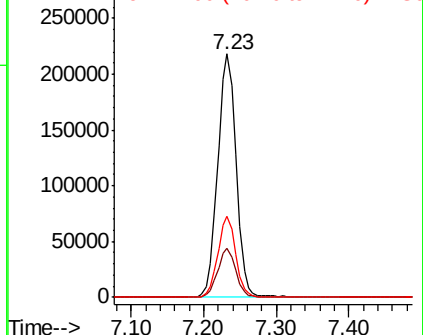
99 100

42 20.1 15.0 22.4

71 33.4 25.5 38.3



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: 10.90 min Scan# 1296

Delta R.T. -0.00 min

Lab File: BG038115.D

Acq: 21 Nov 2018 12:28

Tgt Ion: 136 Resp: 153458

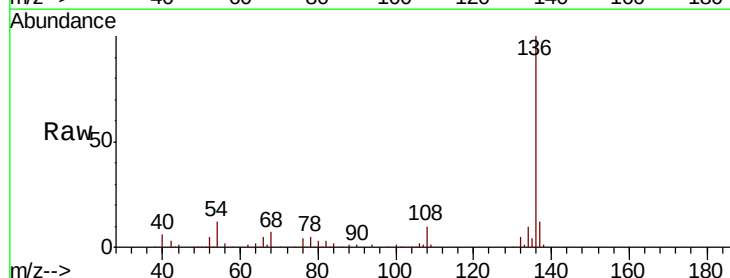
Ion Ratio Lower Upper

136 100

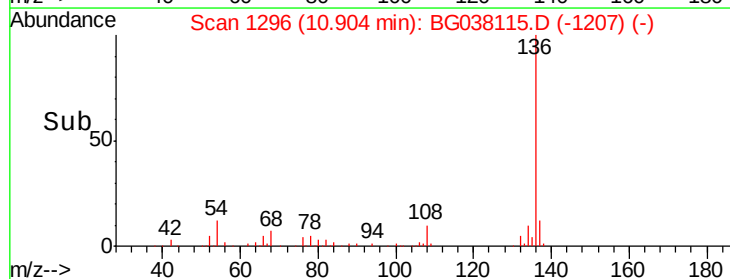
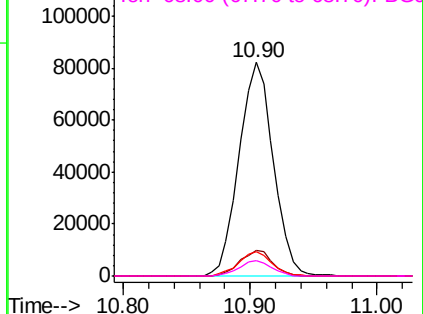
137 12.0 9.6 14.4

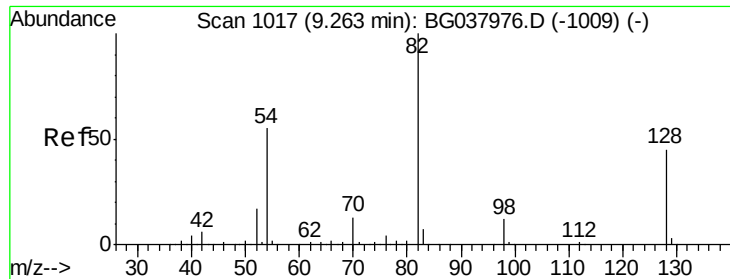
54 11.5 7.9 11.9

68 7.0 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

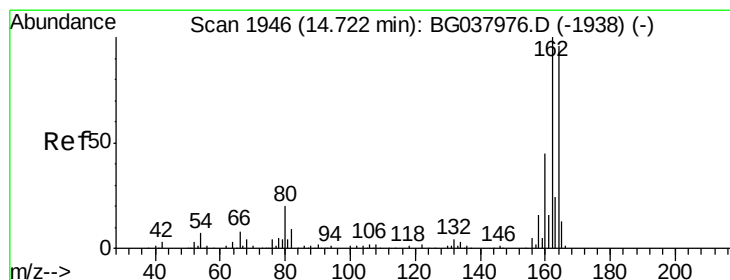
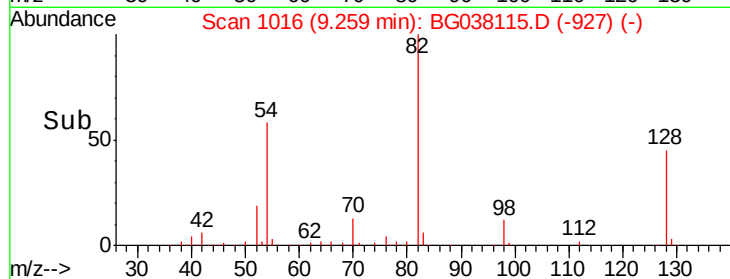
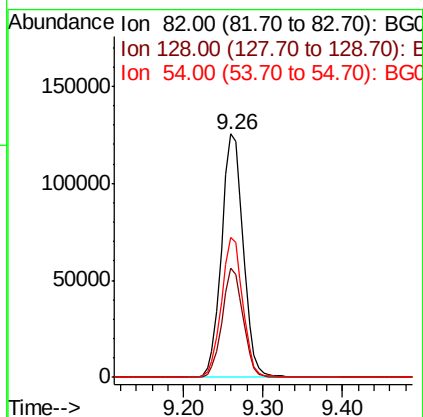
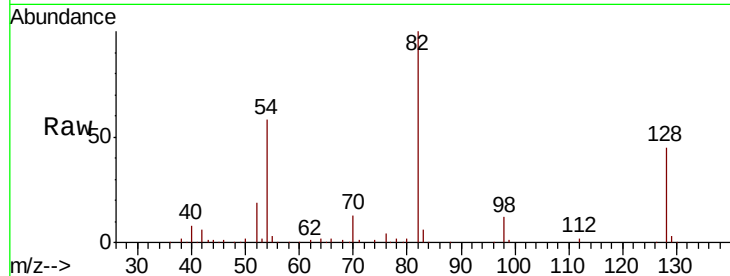




#23  
 Nitrobenzene-d5  
 Concen: 82.692 ng  
 RT: 9.26 min Scan# 1016  
 Delta R.T. -0.00 min  
 Lab File: BG038115.D  
 Acq: 21 Nov 2018 12:28

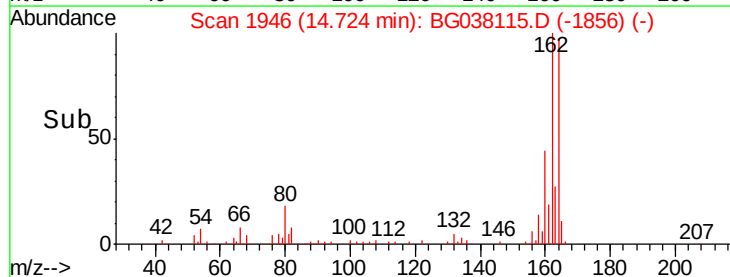
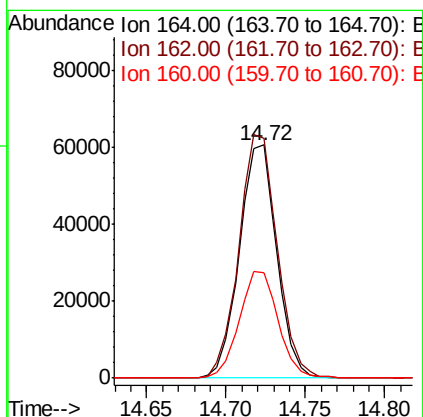
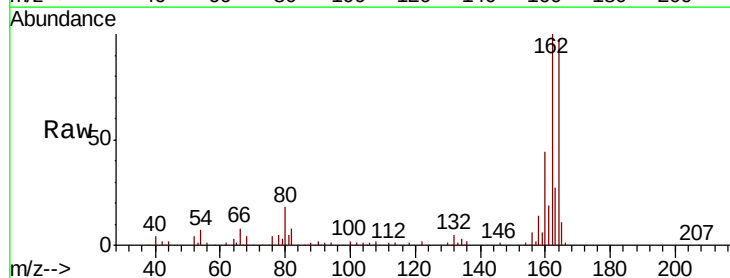
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114976TB

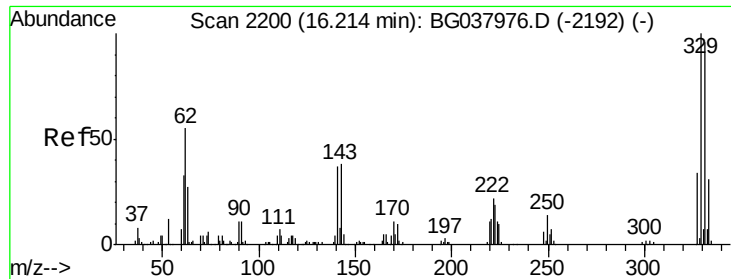
| Tot Ion   | 82   | Resp  | 237057 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 44.6 | 34.6  | 51.8   |
| 54        | 57.6 | 45.3  | 67.9   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.72 min Scan# 1946  
 Delta R.T. 0.00 min  
 Lab File: BG038115.D  
 Acq: 21 Nov 2018 12:28

| Tgt Ion   | 164   | Resp  | 99334 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 162       | 102.7 | 81.3  | 121.9 |
| 160       | 45.1  | 36.3  | 54.5  |





#42

2,4,6-Tribromophenol

Concen: 66.825 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG038115.D

Acq: 21 Nov 2018 12:28

Instrument :

BNA\_G

ClientSampleId :

PB114976TB

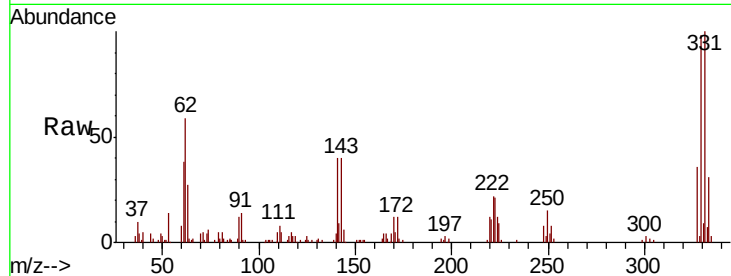
Tot Ion:330 Resp: 75705

Ion Ratio Lower Upper

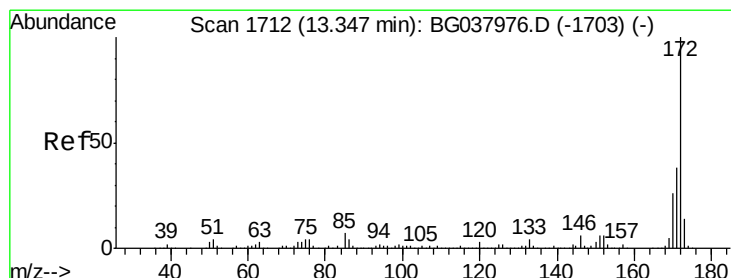
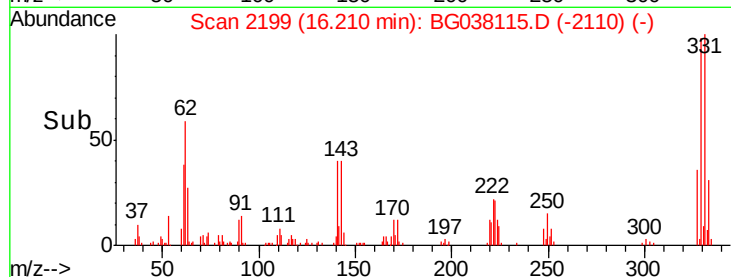
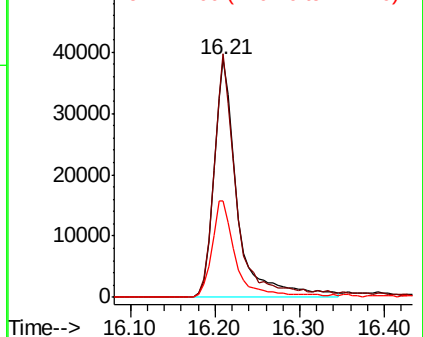
330 100

332 96.7 78.4 117.6

141 40.4 32.2 48.2



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: 82.263 ng

RT: 13.34 min Scan# 1711

Delta R.T. -0.00 min

Lab File: BG038115.D

Acq: 21 Nov 2018 12:28

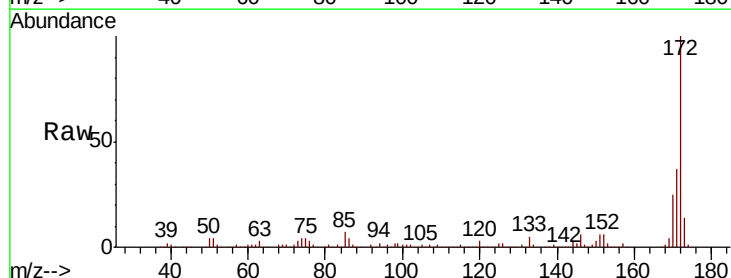
Tgt Ion:172 Resp: 560903

Ion Ratio Lower Upper

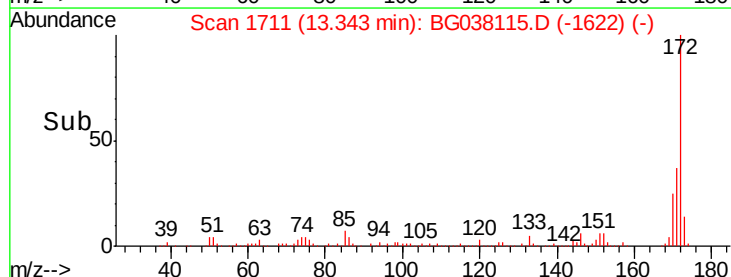
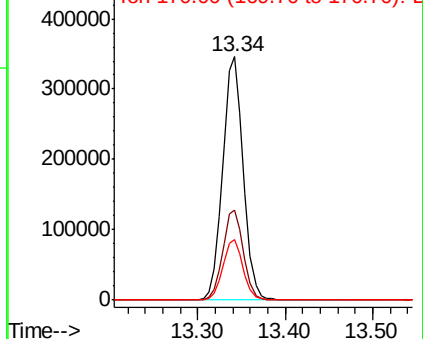
172 100

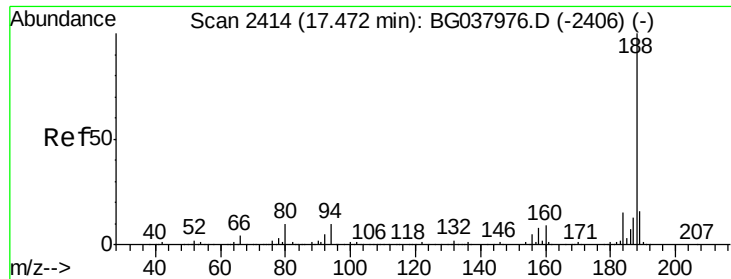
171 37.1 31.0 46.4

170 24.8 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

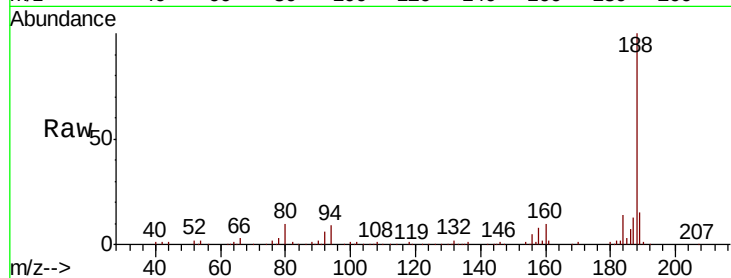




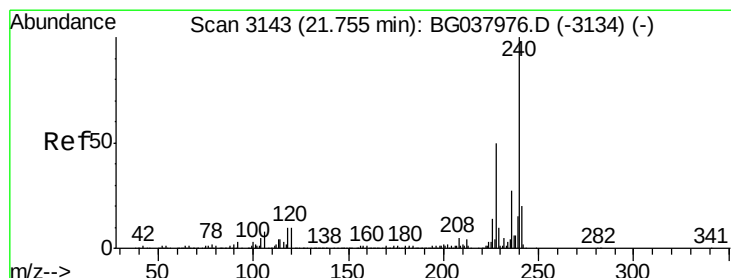
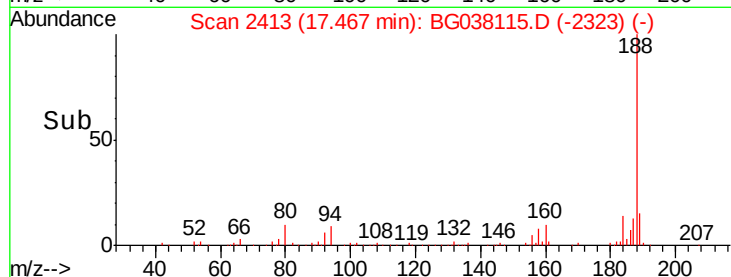
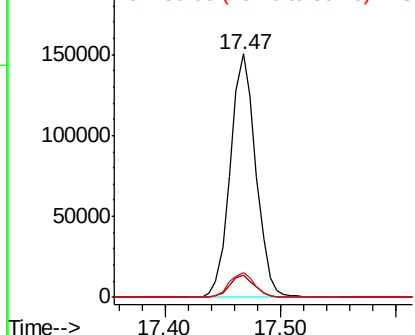
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.47 min Scan# 2413  
Delta R.T. -0.00 min  
Lab File: BG038115.D  
Acq: 21 Nov 2018 12:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB114976TB

Tot Ion:188 Resp: 230357  
Ion Ratio Lower Upper  
188 100  
94 8.9 7.2 10.8  
80 10.2 7.7 11.5

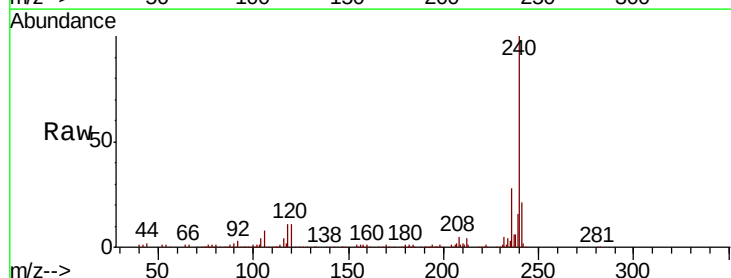


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGO  
Ion 80.00 (79.70 to 80.70): BGO

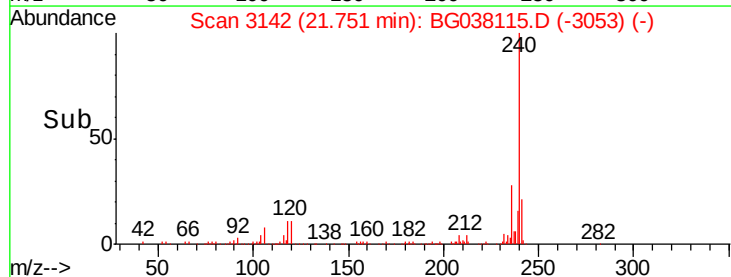
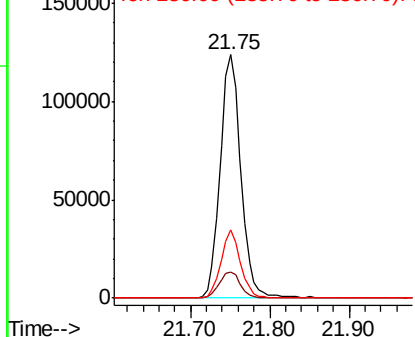


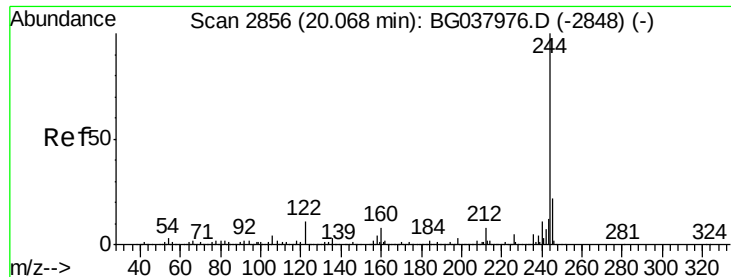
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.75 min Scan# 3142  
Delta R.T. -0.00 min  
Lab File: BG038115.D  
Acq: 21 Nov 2018 12:28

Tgt Ion:240 Resp: 224554  
Ion Ratio Lower Upper  
240 100  
120 10.8 8.1 12.1  
236 28.3 21.4 32.0



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: 91.020 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG038115.D

Acq: 21 Nov 2018 12:28

Instrument :

BNA\_G

ClientSampleId :

PB114976TB

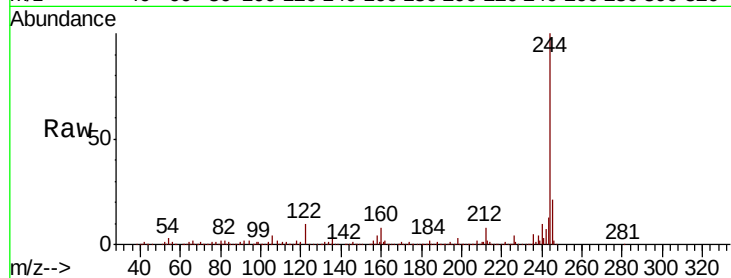
Tot Ion:244 Resp: 868629

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

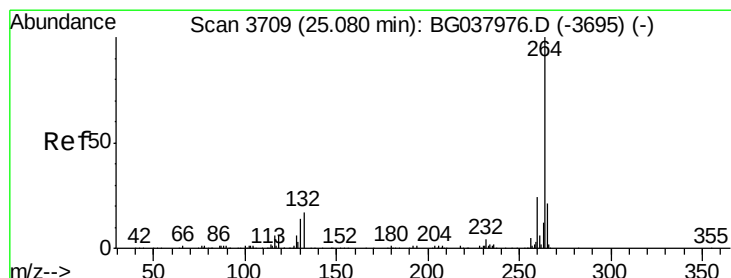
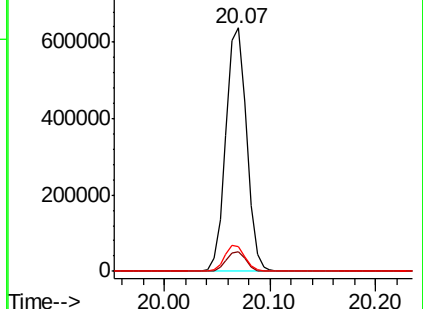
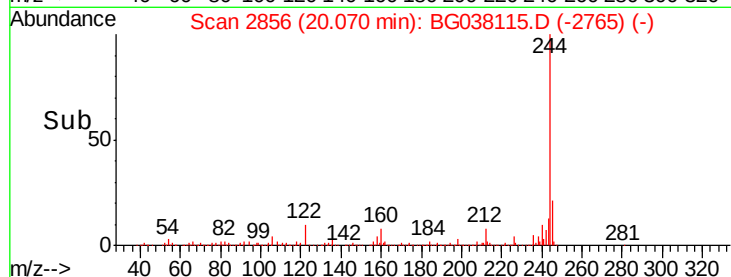
122 10.4 9.0 13.4



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: 25.08 min Scan# 3708

Delta R.T. -0.00 min

Lab File: BG038115.D

Acq: 21 Nov 2018 12:28

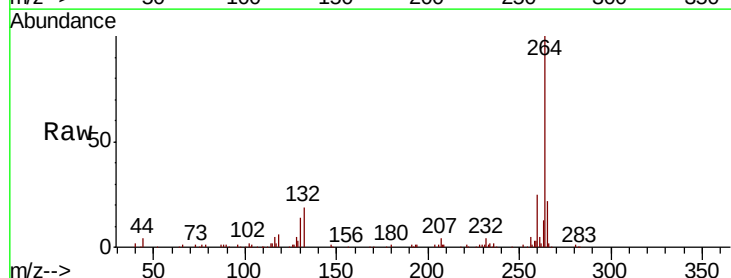
Tgt Ion:264 Resp: 211655

Ion Ratio Lower Upper

264 100

260 25.1 18.2 27.4

265 22.4 17.9 26.9



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

