

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111919\  
 Data File : BG043709.D  
 Acq On : 19 Nov 2019 22:10  
 Operator : JU  
 Sample : K5865-04  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 4-(8-10)

Quant Time: Nov 20 03:19:16 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 19 15:23:15 2019  
 Response via : Initial Calibration

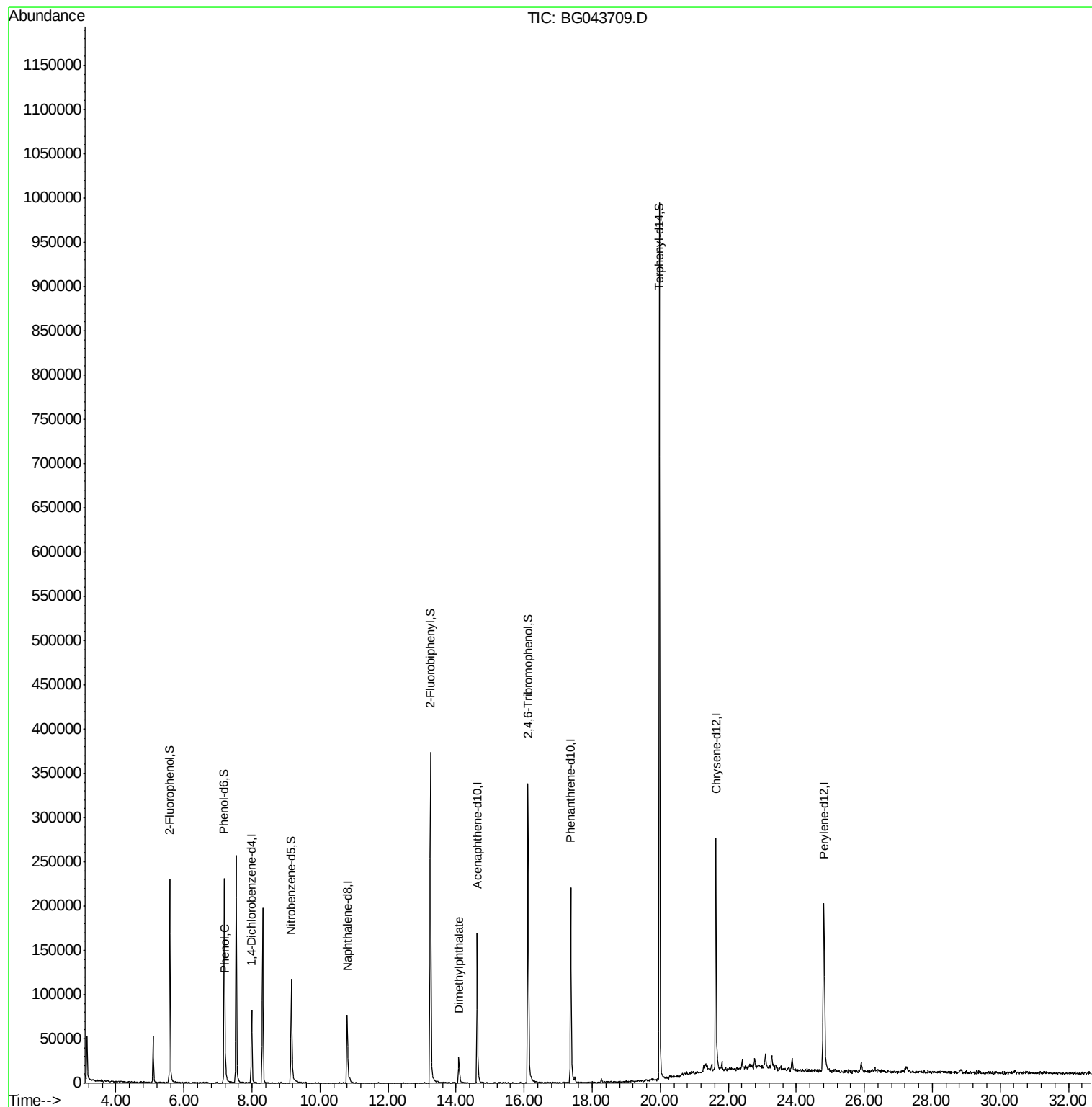
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.99  | 152  | 24697    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.80 | 136  | 87096    | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.62 | 164  | 70431    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.37 | 188  | 182654   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.63 | 240  | 204978   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 24.81 | 264  | 231573   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.58  | 112  | 112292   | 83.32 | ng    | 0.00     |
| 7) Phenol-d6                | 7.18  | 99   | 153209   | 79.01 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.16  | 82   | 91422    | 54.12 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.12 | 330  | 94362    | 70.40 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.25 | 172  | 253170   | 49.67 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.98 | 244  | 570098   | 52.18 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 7.21  | 94   | 9641     | 5.441 | ng    | # 58     |
| 50) Dimethylphthalate       | 14.08 | 163  | 29812    | 5.465 | ng    | # 95     |

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 19 15:23:15 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.99 min Scan# 834

Delta R.T. -0.00 min

Lab File: BG043709.D

Acq: 19 Nov 2019 22:10

Instrument :

BNA\_G

ClientSampleId :

4-(8-10)

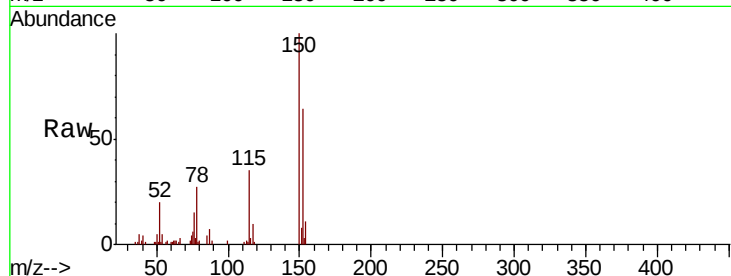
Tot Ion:152 Resp: 24697

Ion Ratio Lower Upper

152 100

150 156.9 116.6 175.0

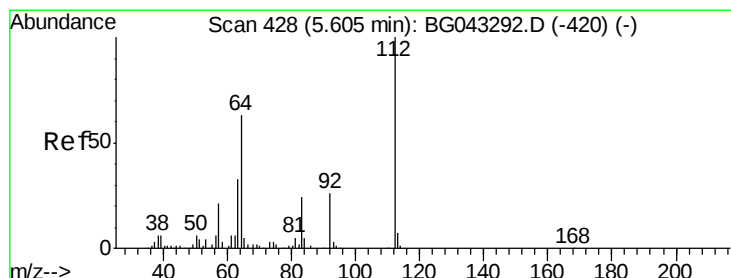
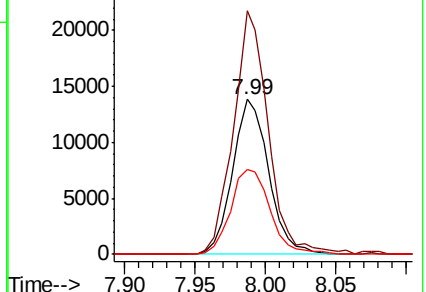
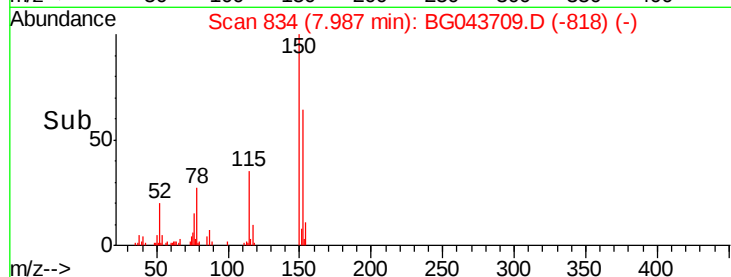
115 54.9 40.5 60.7



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: 83.317 ng

RT: 5.58 min Scan# 425

Delta R.T. 0.00 min

Lab File: BG043709.D

Acq: 19 Nov 2019 22:10

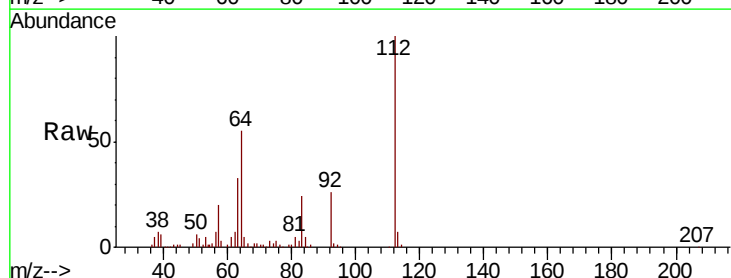
Tgt Ion:112 Resp: 112292

Ion Ratio Lower Upper

112 100

64 54.6 50.6 75.8

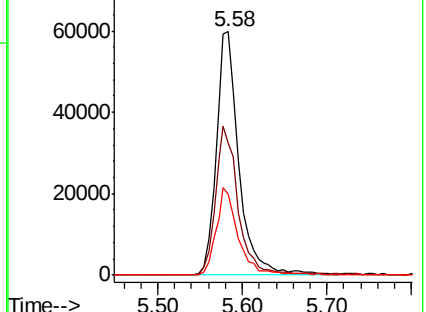
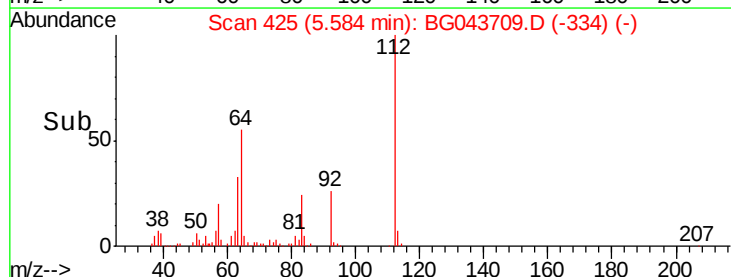
63 33.2 30.5 45.7

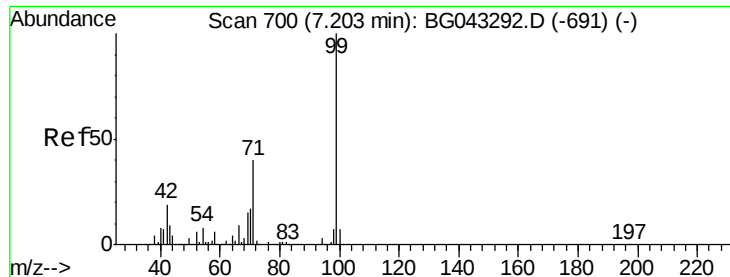


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 79.010 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG043709.D

Acq: 19 Nov 2019 22:10

Instrument :

BNA\_G

ClientSampled :

4-(8-10)

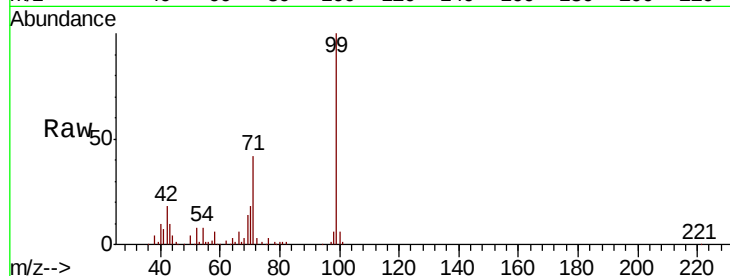
Tot Ion: 99 Resp: 153209

Ion Ratio Lower Upper

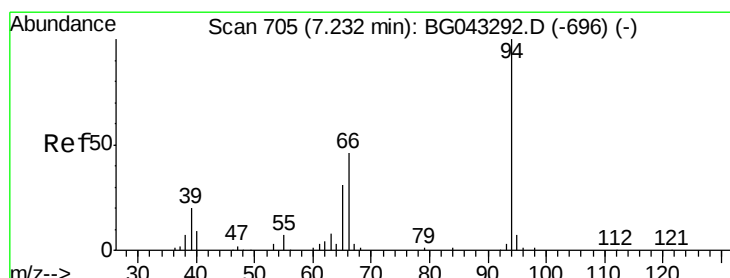
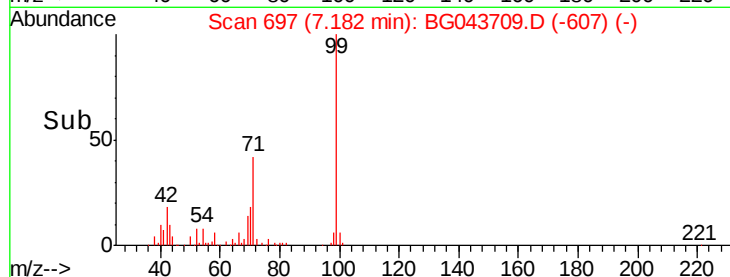
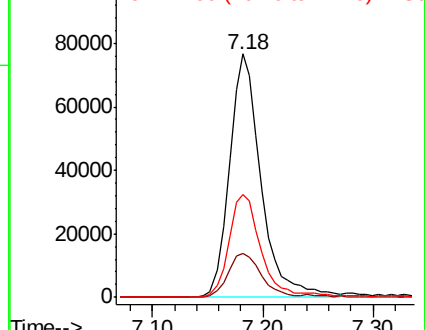
99 100

42 18.3 15.8 23.8

71 42.2 34.4 51.6



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



#10

Phenol

Concen: 5.441 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.00 min

Lab File: BG043709.D

Acq: 19 Nov 2019 22:10

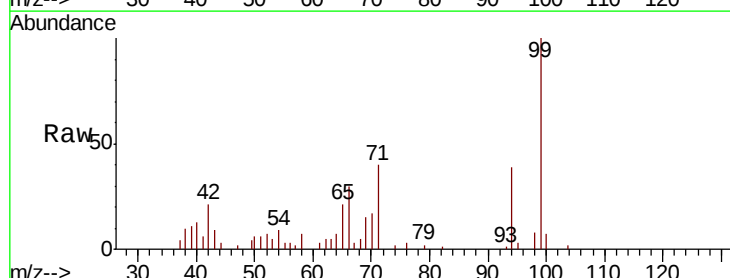
Tgt Ion: 94 Resp: 9641

Ion Ratio Lower Upper

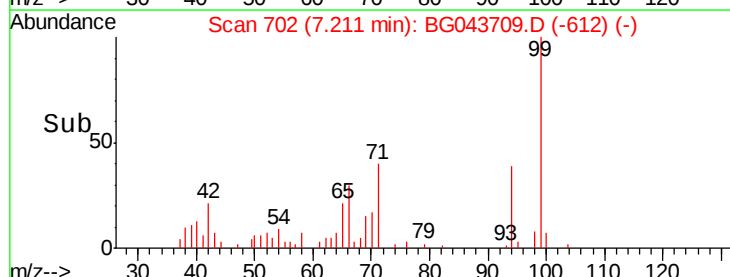
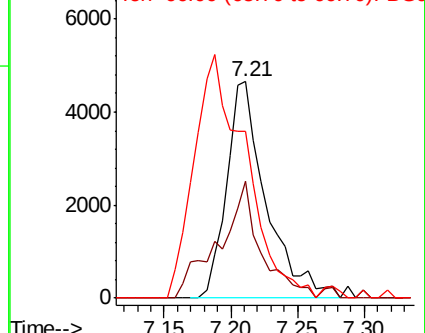
94 100

65 54.1 11.4 51.4#

66 76.9 28.4 68.4#



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

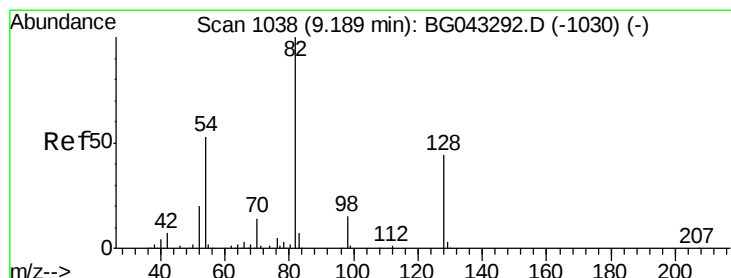
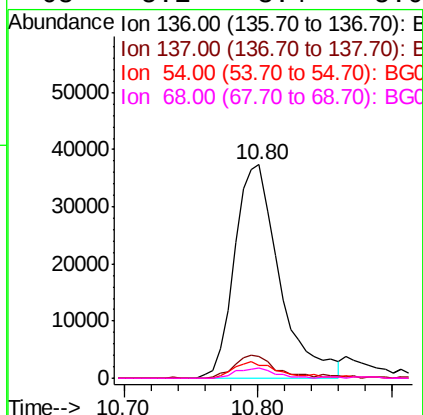
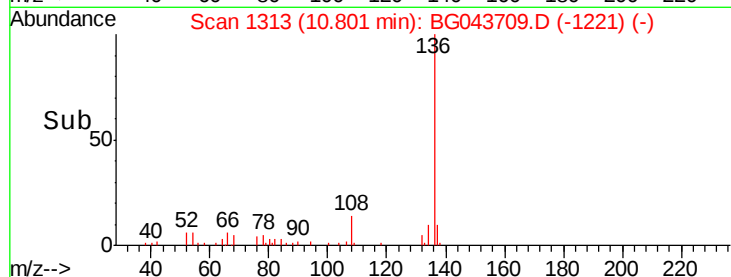
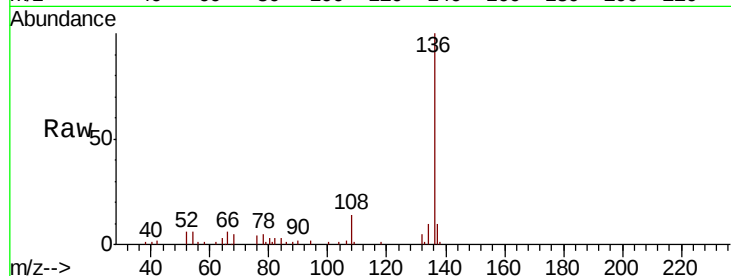




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.80 min Scan# 1313  
Delta R.T. 0.01 min  
Lab File: BG043709.D  
Acq: 19 Nov 2019 22:10

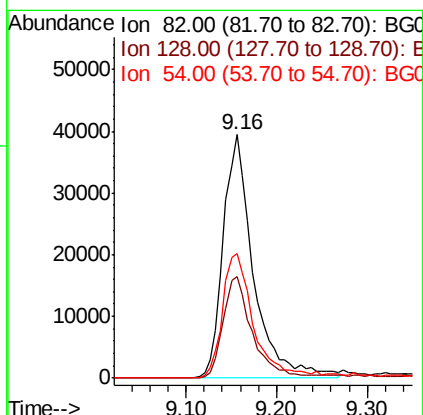
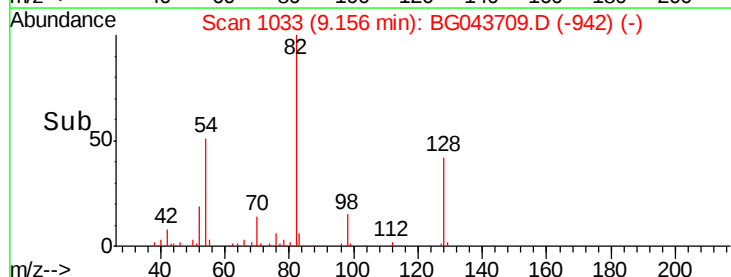
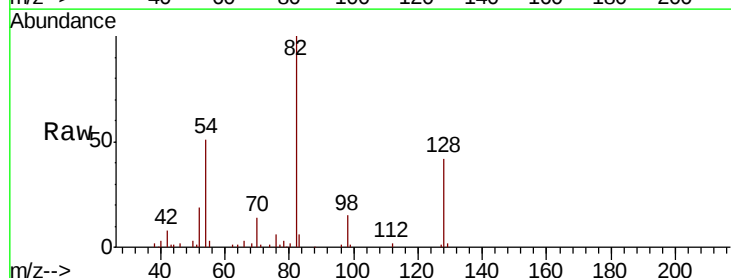
Instrument :  
BNA\_G  
ClientSampleId :  
4-(8-10)

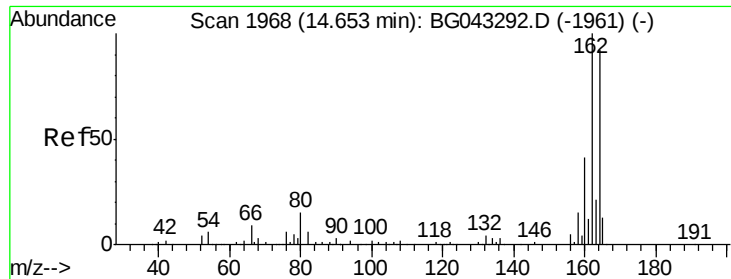
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 87096    |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.4  | 8.8 13.2 |
| 54          | 6.2   | 6.2 9.2  |
| 68          | 5.1   | 3.4 5.0# |



#23  
Nitrobenzene-d5  
Concen: 54.115 ng  
RT: 9.16 min Scan# 1033  
Delta R.T. 0.00 min  
Lab File: BG043709.D  
Acq: 19 Nov 2019 22:10

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 91422     |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 41.6  | 34.2 51.4 |
| 54          | 51.0  | 44.7 67.1 |

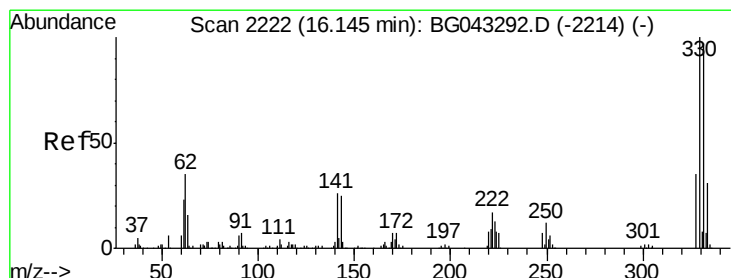
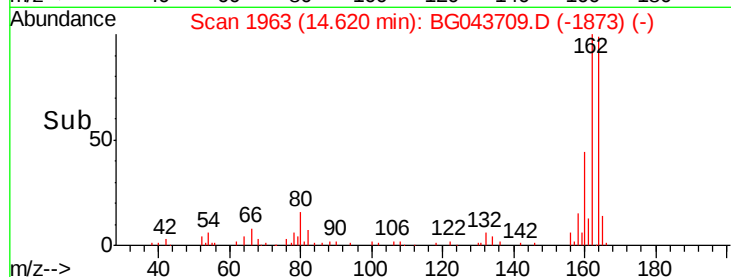
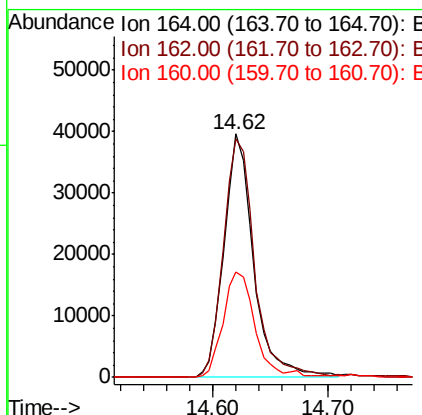
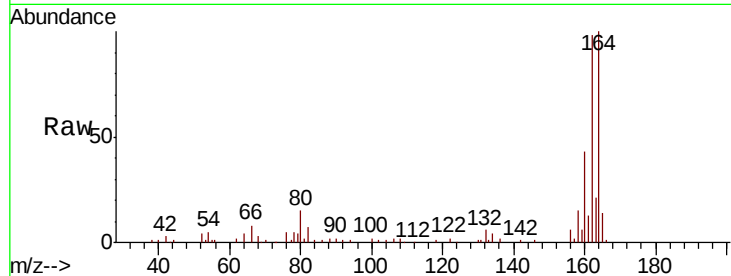




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.62 min Scan# 1963  
 Delta R.T. -0.00 min  
 Lab File: BG043709.D  
 Acq: 19 Nov 2019 22:10

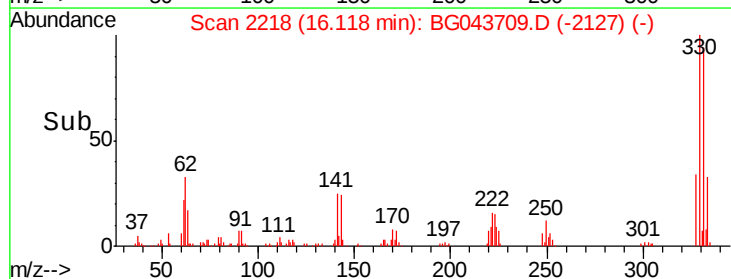
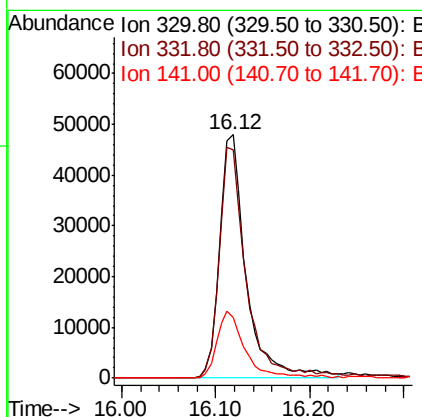
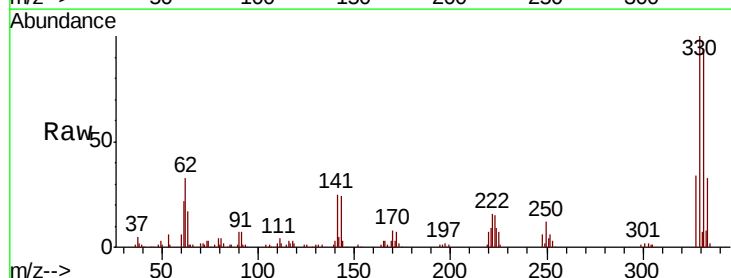
Instrument :  
 BNA\_G  
 ClientSampled :  
 4-(8-10)

Tot Ion:164 Resp: 70431  
 Ion Ratio Lower Upper  
 164 100  
 162 97.9 79.4 119.2  
 160 43.5 36.3 54.5



#42  
 2,4,6-Tribromophenol  
 Concen: 70.403 ng  
 RT: 16.12 min Scan# 2218  
 Delta R.T. 0.00 min  
 Lab File: BG043709.D  
 Acq: 19 Nov 2019 22:10

Tgt Ion:330 Resp: 94362  
 Ion Ratio Lower Upper  
 330 100  
 332 97.4 76.6 115.0  
 141 29.3 23.4 35.2

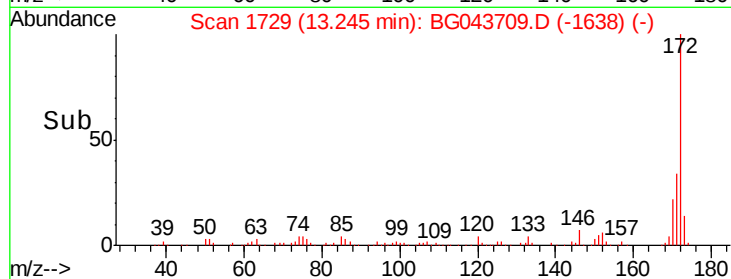
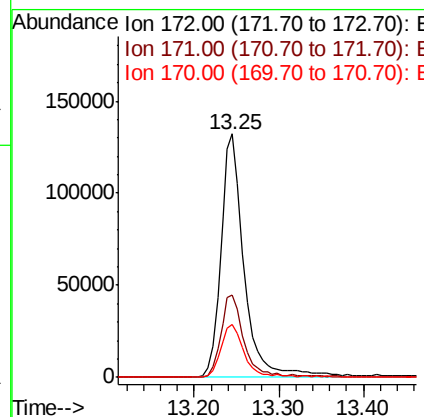
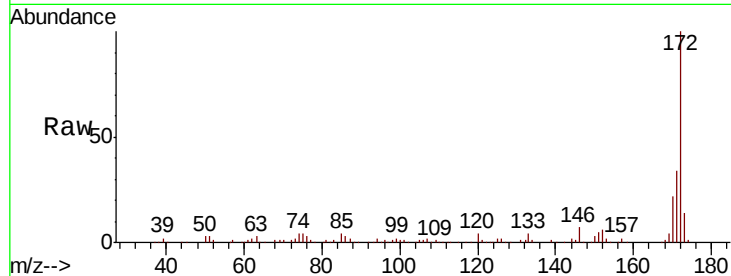




#45  
2-Fluorobiphenyl  
Concen: 49.670 ng  
RT: 13.25 min Scan# 1729  
Delta R.T. 0.00 min  
Lab File: BG043709.D  
Acq: 19 Nov 2019 22:10

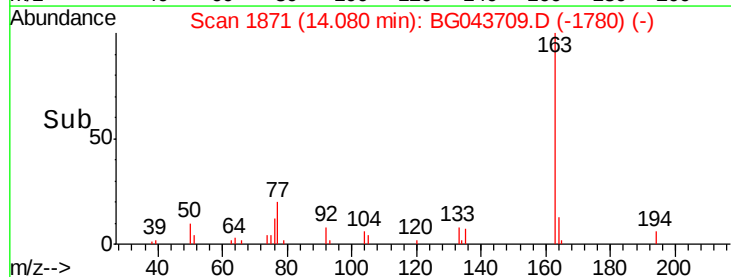
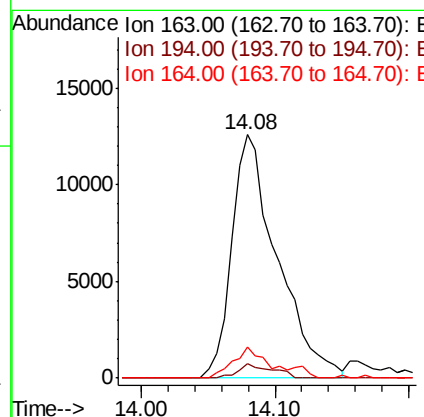
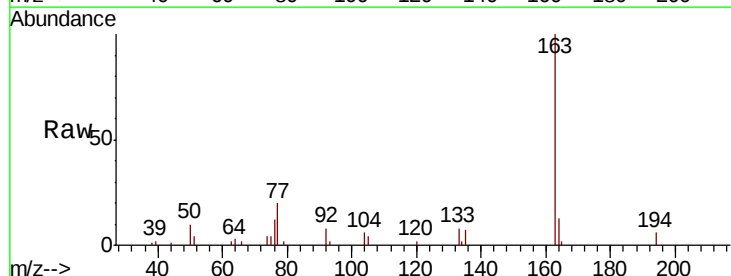
Instrument :  
BNA\_G  
ClientSampleId :  
4-(8-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.0  | 28.1  | 42.1  |
| 170     | 21.8  | 18.8  | 28.2  |



#50  
Dimethylphthalate  
Concen: 5.465 ng  
RT: 14.08 min Scan# 1871  
Delta R.T. 0.00 min  
Lab File: BG043709.D  
Acq: 19 Nov 2019 22:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 6.0   | 3.8   | 5.8#  |
| 164     | 12.7  | 8.5   | 12.7  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BG043709.D

Acq: 19 Nov 2019 22:10

Instrument :

BNA\_G

ClientSampleId :

4-(8-10)

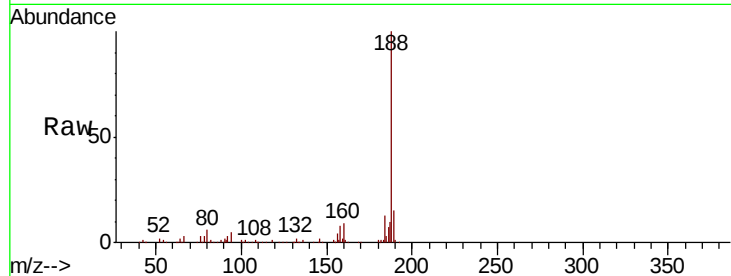
Tot Ion:188 Resp: 182654

Ion Ratio Lower Upper

188 100

94 5.0 4.6 7.0

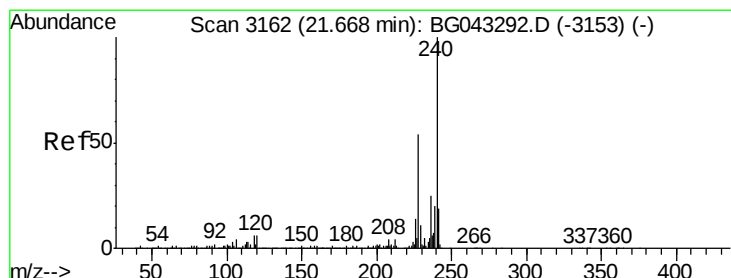
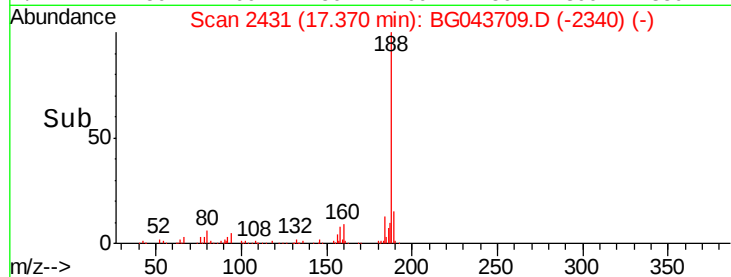
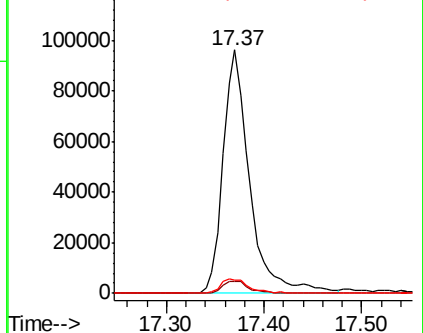
80 5.5 5.2 7.8



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: 21.63 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG043709.D

Acq: 19 Nov 2019 22:10

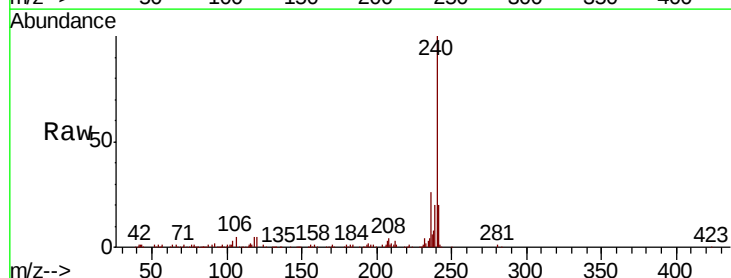
Tgt Ion:240 Resp: 204978

Ion Ratio Lower Upper

240 100

120 5.4 4.9 7.3

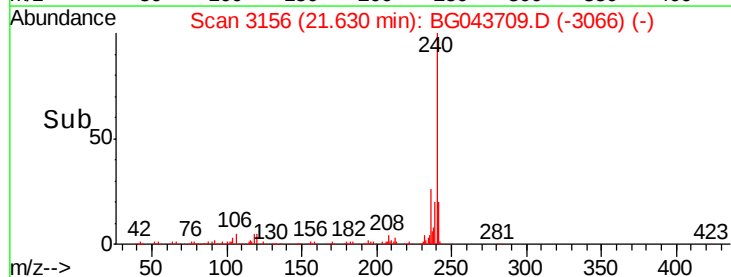
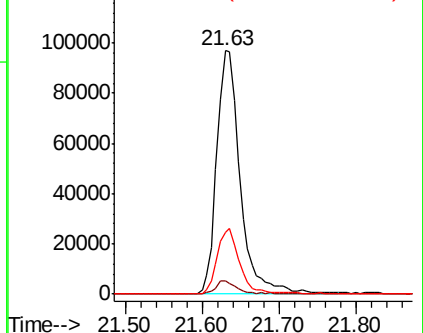
236 25.6 21.4 32.0

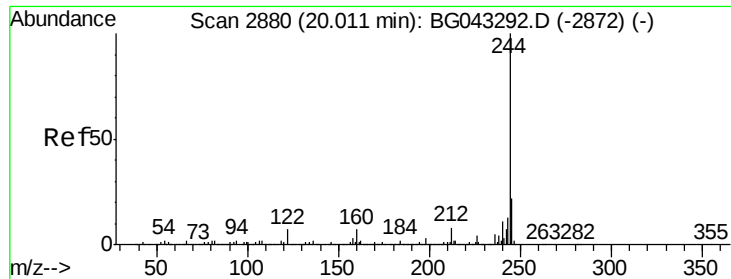


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 52.178 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG043709.D

Acq: 19 Nov 2019 22:10

Instrument :

BNA\_G

ClientSampled :

4-(8-10)

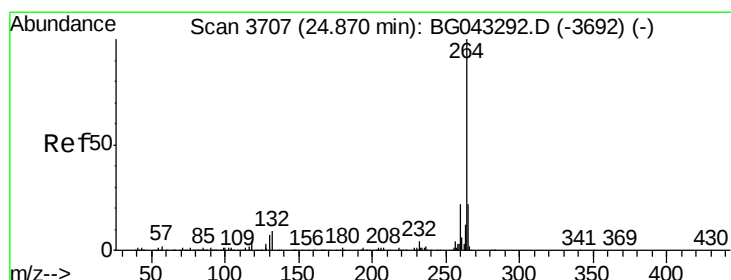
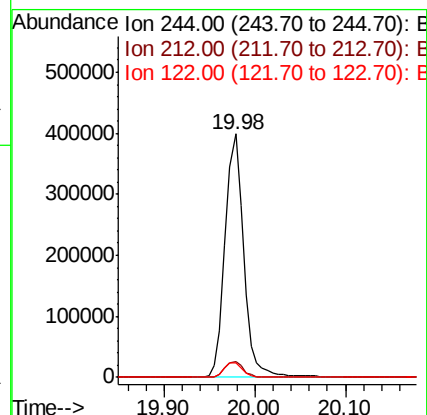
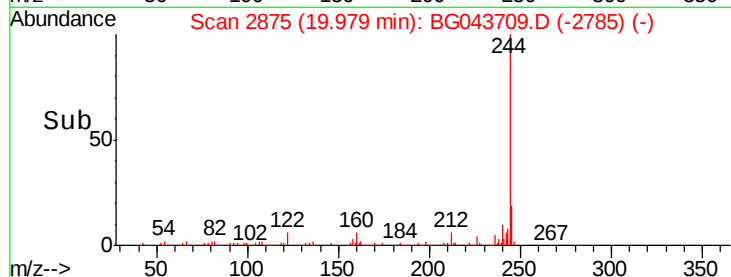
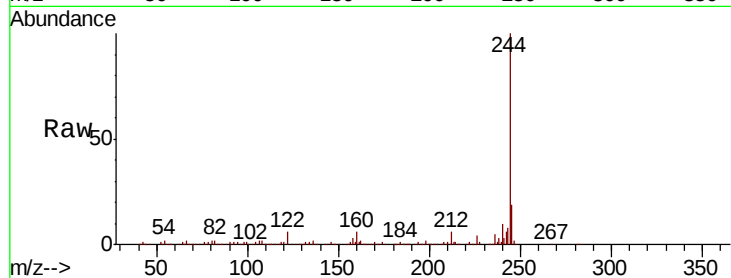
Tot Ion:244 Resp: 570098

Ion Ratio Lower Upper

244 100

212 6.2 5.6 8.4

122 5.8 5.2 7.8



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.81 min Scan# 3697

Delta R.T. -0.00 min

Lab File: BG043709.D

Acq: 19 Nov 2019 22:10

Tgt Ion:264 Resp: 231573

Ion Ratio Lower Upper

264 100

260 20.2 18.4 27.6

265 21.4 15.8 23.8

