

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\  
 Data File : BG042639.D  
 Acq On : 31 Aug 2019 17:46  
 Operator : HP/JU  
 Sample : K4577-02RE  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-2RE

Quant Time: Sep 01 00:28:26 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  | 32306    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.82 | 136  | 126912   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.66 | 164  | 98981    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.41 | 188  | 238500   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.68 | 240  | 253825   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 24.92 | 264  | 298343   | 20.00 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.55  | 112  | 8749     | 5.48  | ng    | 0.00     |
| 7) Phenol-d6                | 7.17  | 99   | 6348     | 2.95  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.17  | 82   | 16774    | 9.13  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.16 | 330  | 21597    | 15.35 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.28 | 172  | 66097    | 11.29 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.02 | 244  | 158569   | 13.51 | ng    | 0.00     |

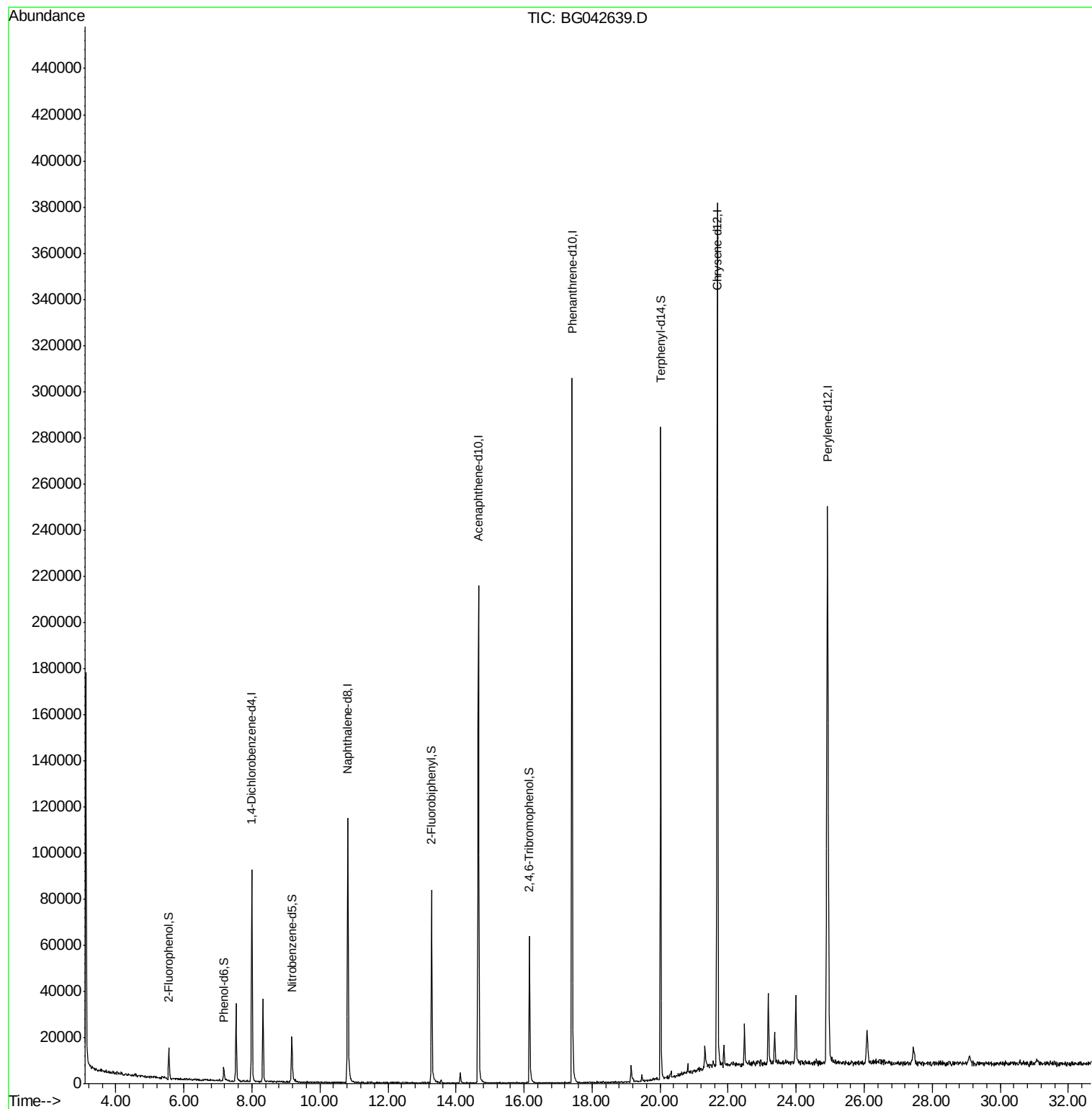
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

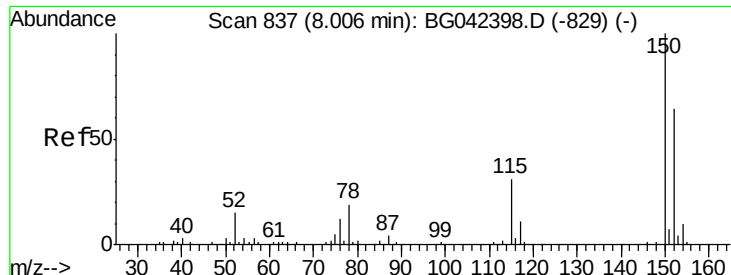
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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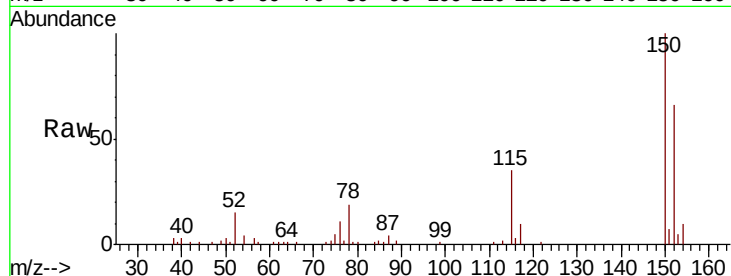


#1

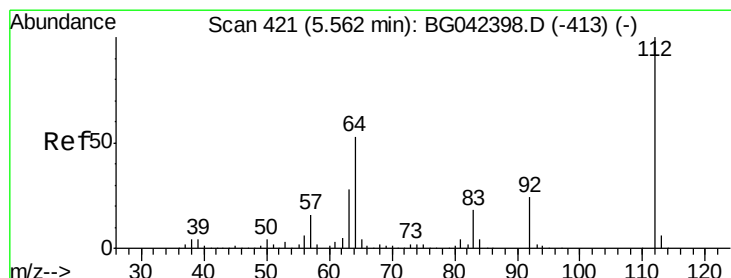
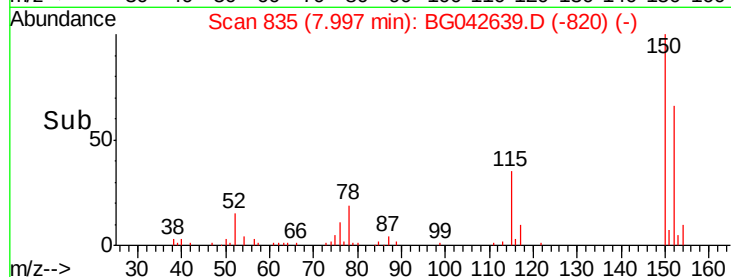
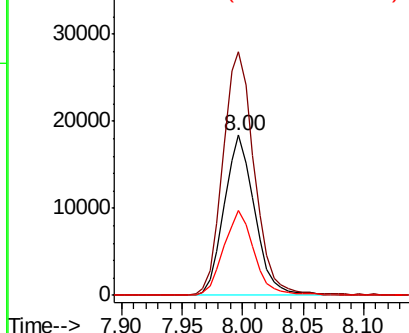
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.00 min Scan# 835  
 Delta R.T. -0.01 min  
 Lab File: BG042639.D  
 Acq: 31 Aug 2019 17:46

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-2RE

Tot Ion:152 Resp: 32306  
 Ion Ratio Lower Upper  
 152 100  
 150 152.0 125.4 188.0  
 115 52.9 38.5 57.7



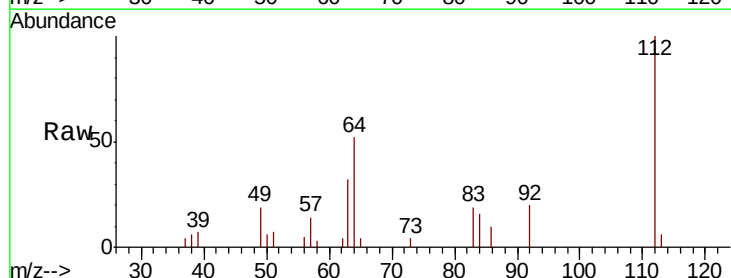
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



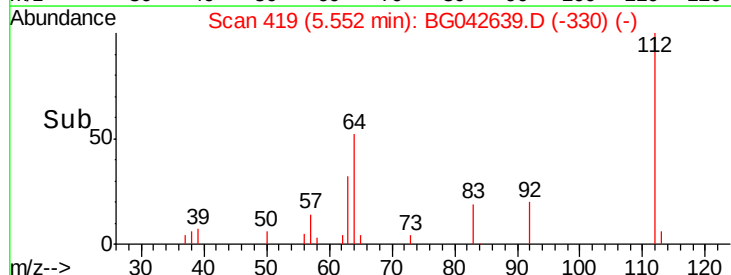
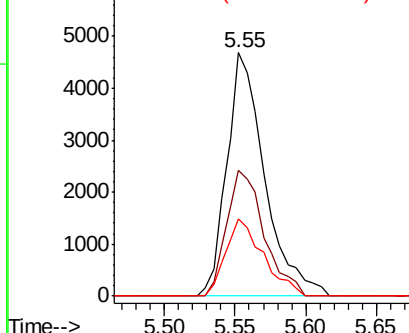
#5

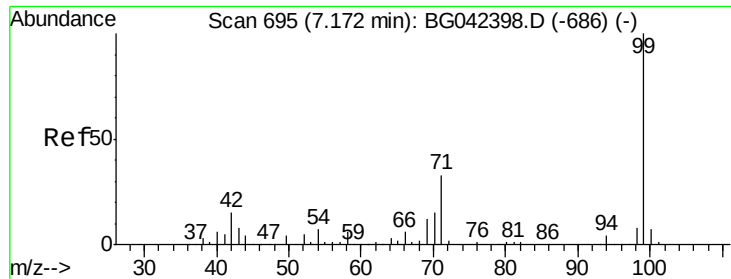
2-Fluorophenol  
 Concen: 5.485 ng  
 RT: 5.55 min Scan# 419  
 Delta R.T. -0.01 min  
 Lab File: BG042639.D  
 Acq: 31 Aug 2019 17:46

Tgt Ion:112 Resp: 8749  
 Ion Ratio Lower Upper  
 112 100  
 64 51.6 42.8 64.2  
 63 31.9 22.7 34.1



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: 2.946 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG042639.D

Acq: 31 Aug 2019 17:46

Instrument :

BNA\_G

ClientSampleId :

GW-2RE

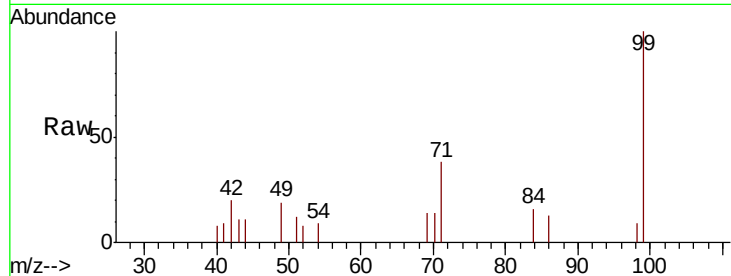
Tot Ion: 99 Resp: 6348

Ion Ratio Lower Upper

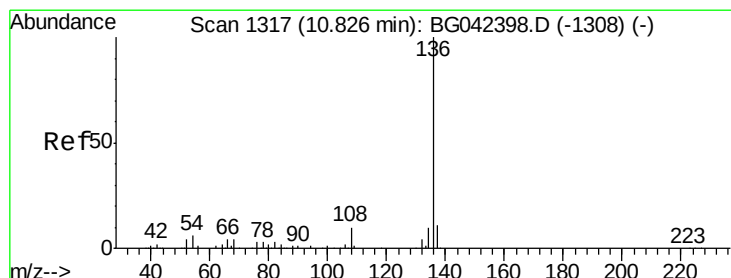
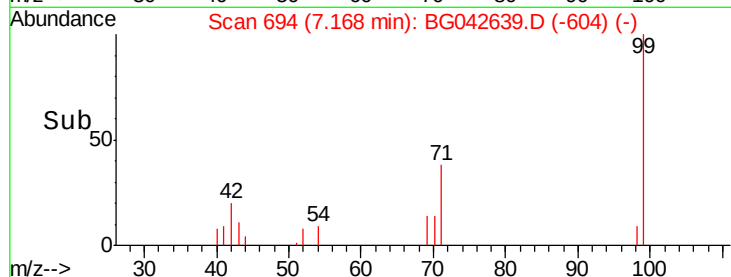
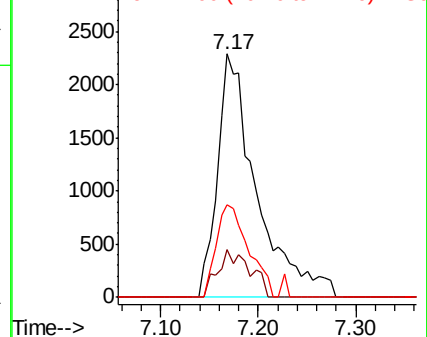
99 100

42 19.6 12.0 18.0#

71 38.3 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# 1315

Delta R.T. -0.01 min

Lab File: BG042639.D

Acq: 31 Aug 2019 17:46

Tgt Ion: 136 Resp: 126912

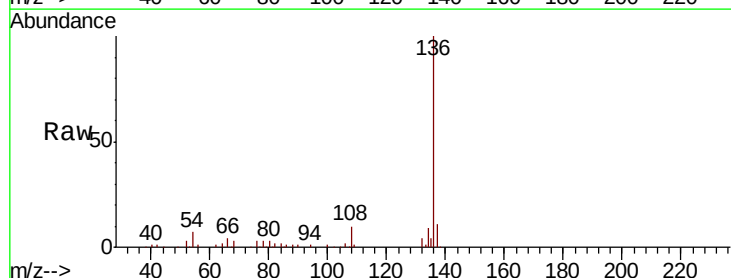
Ion Ratio Lower Upper

136 100

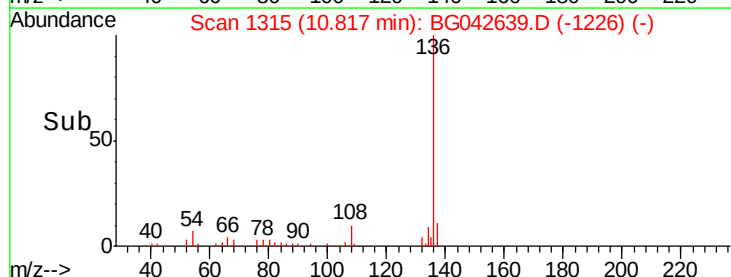
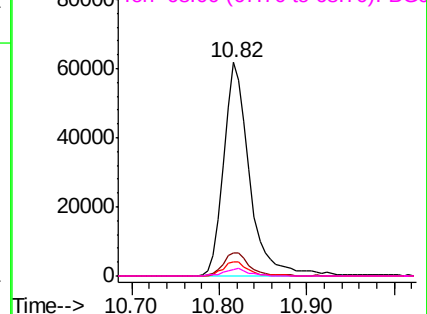
137 11.0 8.7 13.1

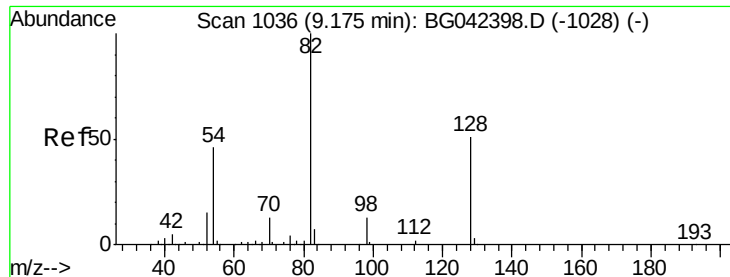
54 6.6 4.9 7.3

68 3.0 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: 9.133 ng

RT: 9.17 min Scan# 1035

Delta R.T. -0.00 min

Lab File: BG042639.D

Acq: 31 Aug 2019 17:46

Instrument :

BNA\_G

ClientSampled :

GW-2RE

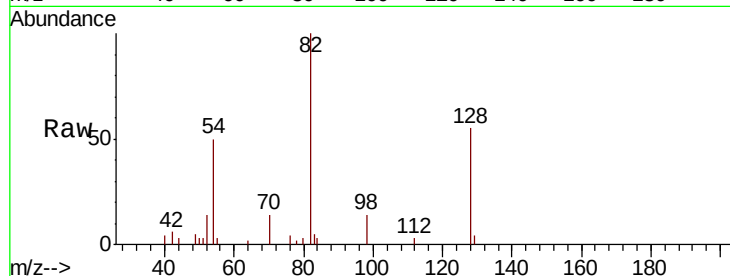
Tot Ion: 82 Resp: 16774

Ion Ratio Lower Upper

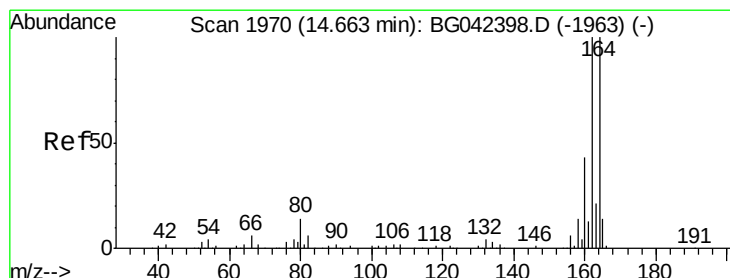
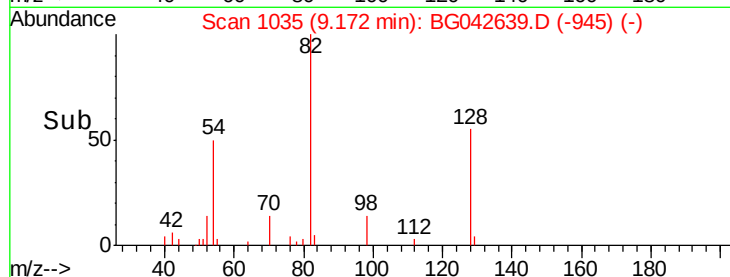
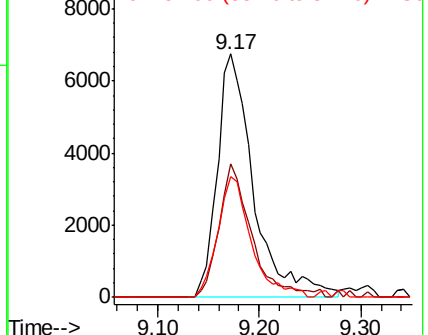
82 100

128 55.0 40.7 61.1

54 49.7 36.3 54.5



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: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG042639.D

Acq: 31 Aug 2019 17:46

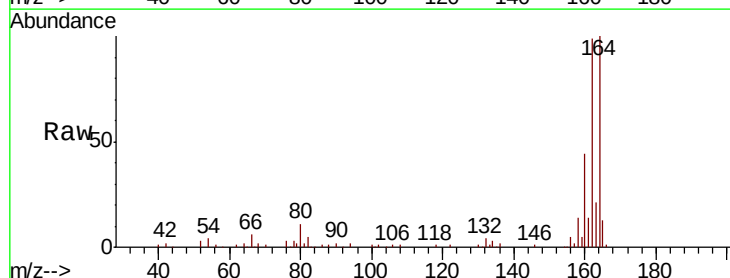
Tgt Ion:164 Resp: 98981

Ion Ratio Lower Upper

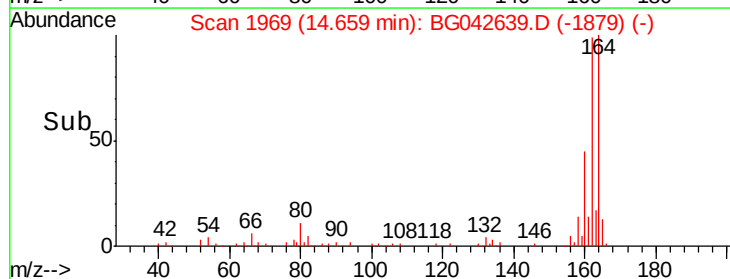
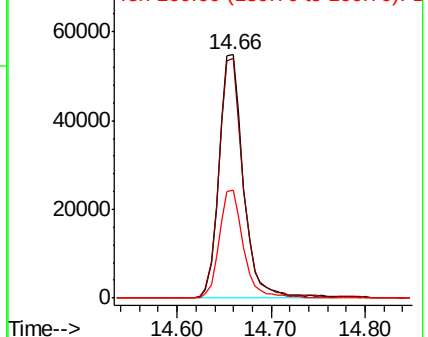
164 100

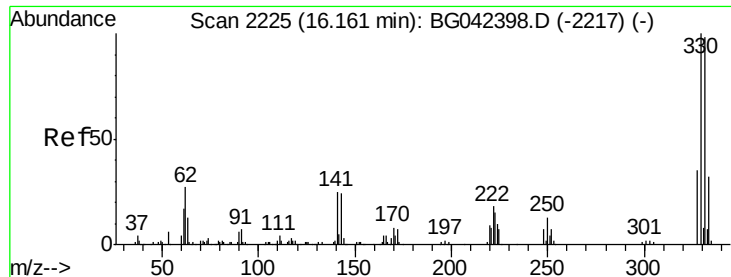
162 98.7 79.9 119.9

160 44.4 34.3 51.5



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: 15.351 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.00 min

Lab File: BG042639.D

Acq: 31 Aug 2019 17:46

Instrument :

BNA\_G

ClientSampleId :

GW-2RE

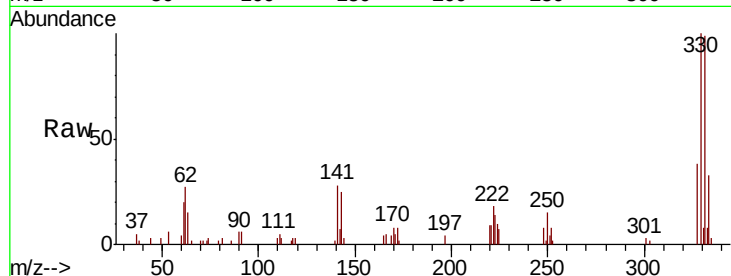
Tot Ion:330 Resp: 21597

Ion Ratio Lower Upper

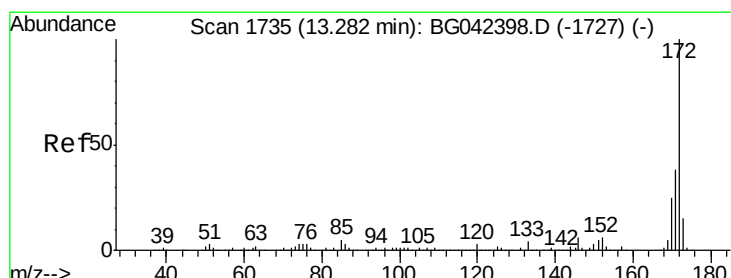
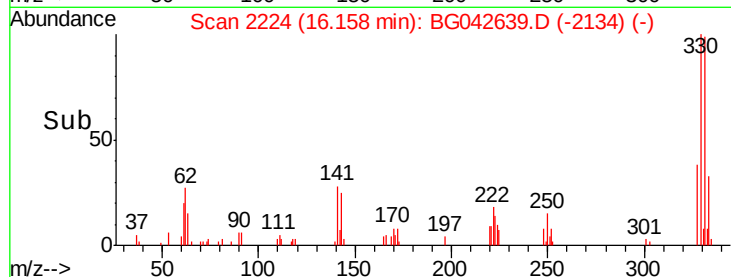
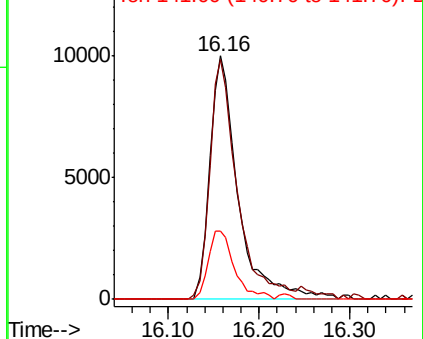
330 100

332 95.4 77.4 116.0

141 26.0 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: 11.294 ng

RT: 13.28 min Scan# 1734

Delta R.T. -0.00 min

Lab File: BG042639.D

Acq: 31 Aug 2019 17:46

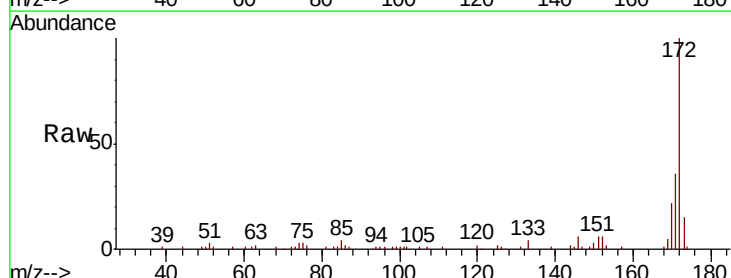
Tgt Ion:172 Resp: 66097

Ion Ratio Lower Upper

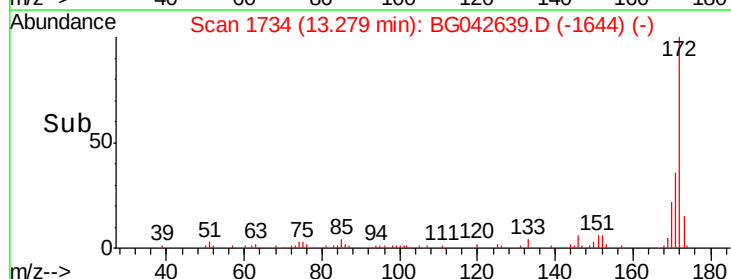
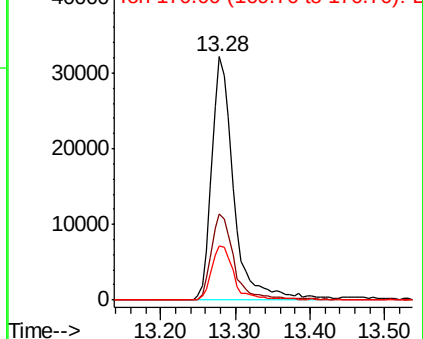
172 100

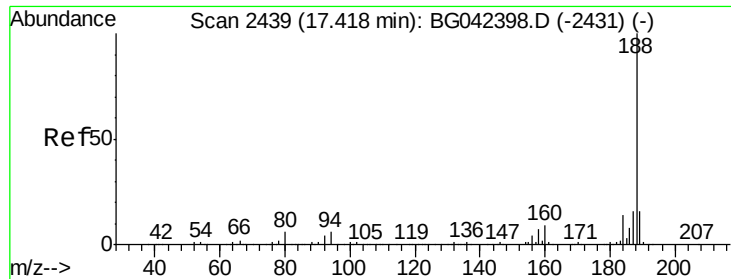
171 35.6 30.5 45.7

170 22.5 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: BG042639.D

Acq: 31 Aug 2019 17:46

Instrument :

BNA\_G

ClientSampleId :

GW-2RE

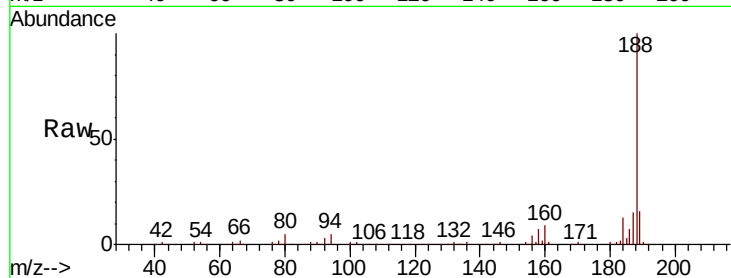
Tot Ion:188 Resp: 238500

Ion Ratio Lower Upper

188 100

94 5.0 4.5 6.7

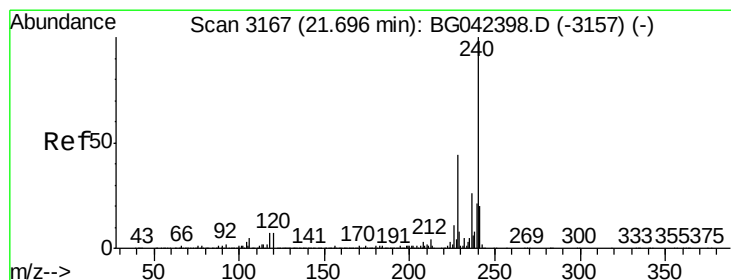
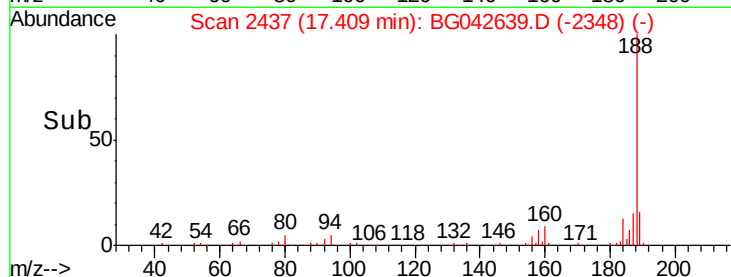
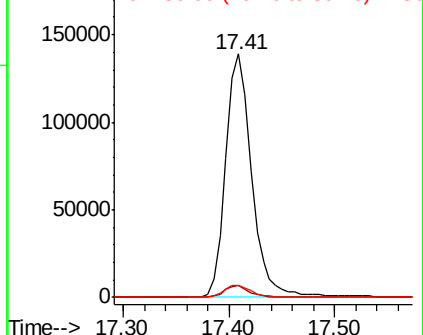
80 5.2 4.9 7.3



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: 21.68 min Scan# 3164

Delta R.T. -0.02 min

Lab File: BG042639.D

Acq: 31 Aug 2019 17:46

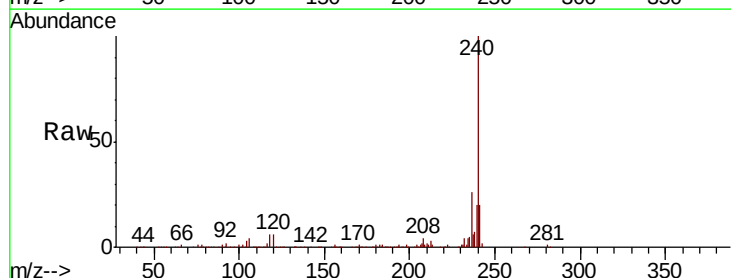
Tgt Ion:240 Resp: 253825

Ion Ratio Lower Upper

240 100

120 6.1 5.7 8.5

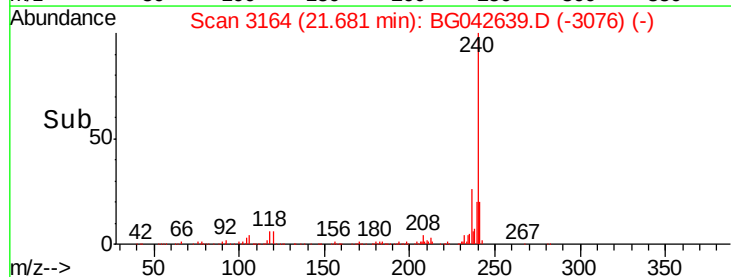
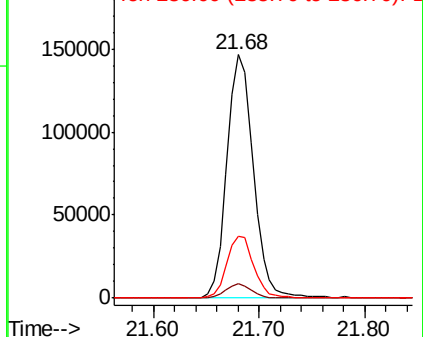
236 25.7 21.0 31.4

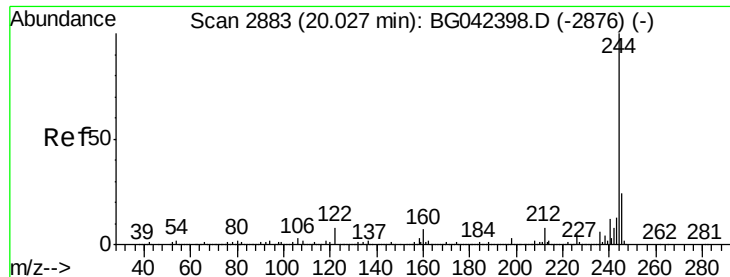


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 13.506 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG042639.D

Acq: 31 Aug 2019 17:46

Instrument :

BNA\_G

ClientSampleId :

GW-2RE

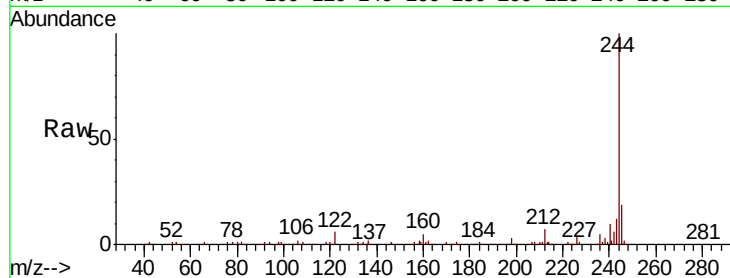
Tot Ion:244 Resp: 158569

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

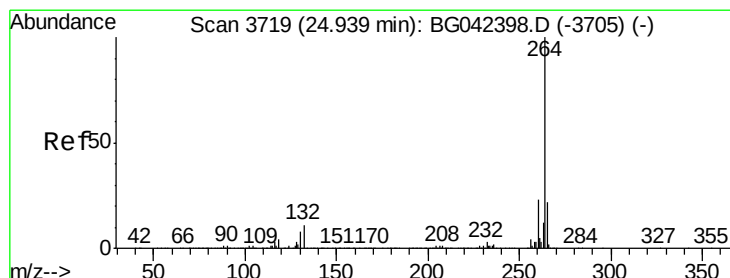
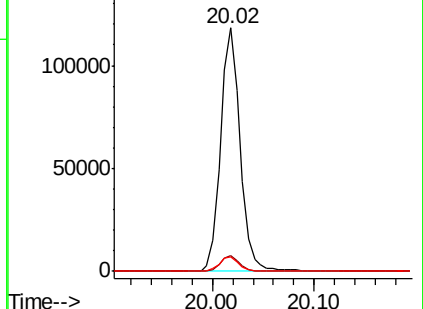
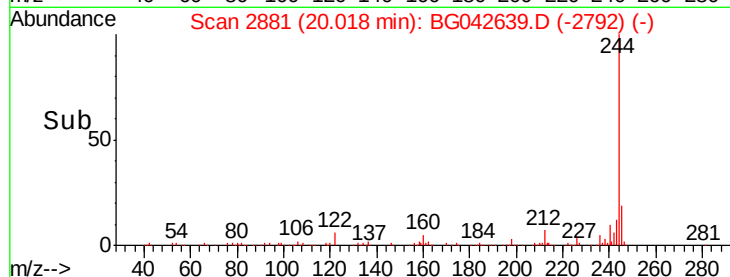
122 6.0 6.7 10.1#



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: 24.92 min Scan# 3716

Delta R.T. -0.02 min

Lab File: BG042639.D

Acq: 31 Aug 2019 17:46

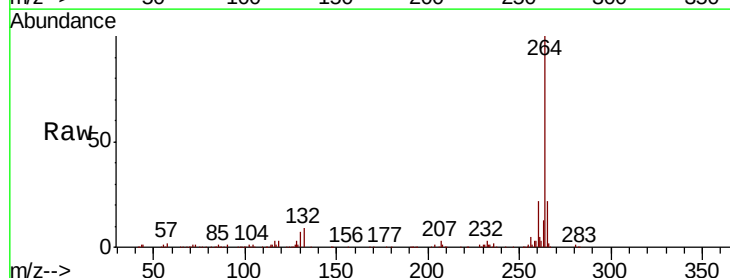
Tgt Ion:264 Resp: 298343

Ion Ratio Lower Upper

264 100

260 22.1 18.5 27.7

265 21.9 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

