

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\  
 Data File : BG042654.D  
 Acq On : 1 Sep 2019 5:20  
 Operator : HP/JU  
 Sample : K4602-28  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PAR-C1-C4-(0-3.11)

Quant Time: Sep 01 06:59:57 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   | 7.99  | 152  | 35135    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.81 | 136  | 131749   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.66 | 164  | 94645    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.41 | 188  | 228100   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.68 | 240  | 254765   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 24.92 | 264  | 293883   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.56  | 112  | 231734   | 133.58 | ng    | 0.00     |
| 7) Phenol-d6                | 7.16  | 99   | 273756   | 116.82 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.16  | 82   | 191513   | 100.45 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.15 | 330  | 197215   | 146.60 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.28 | 172  | 622361   | 111.21 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.02 | 244  | 1254680  | 106.47 | ng    | 0.00     |

Target Compounds Qvalue

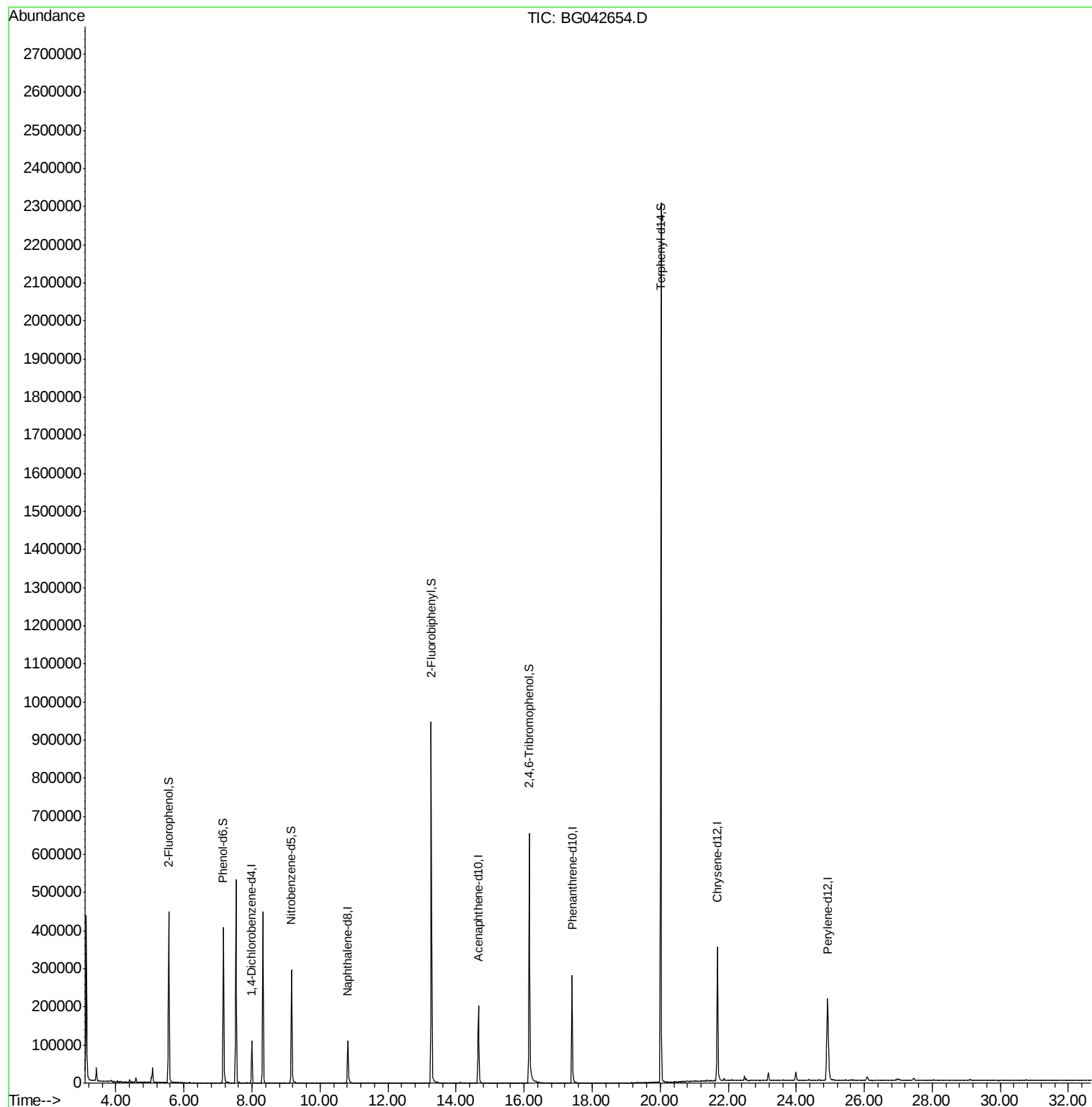
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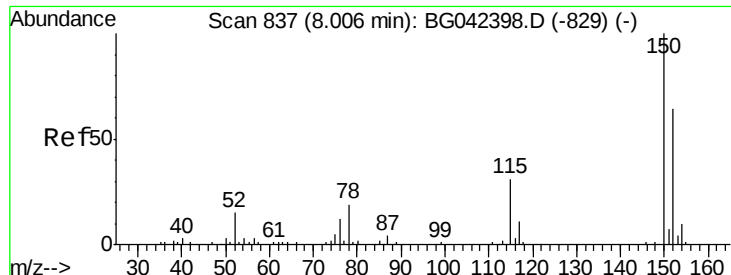
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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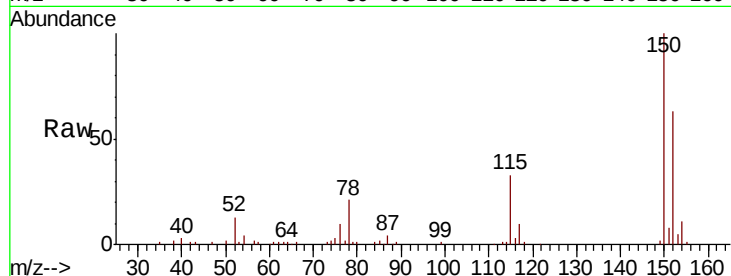




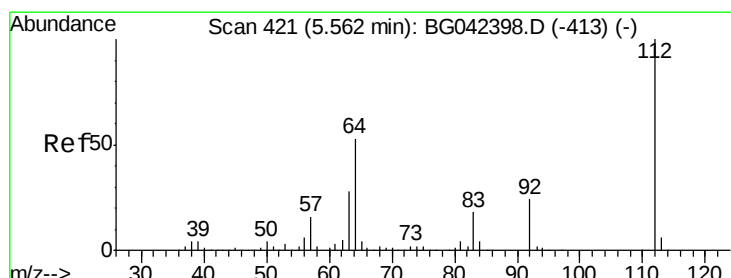
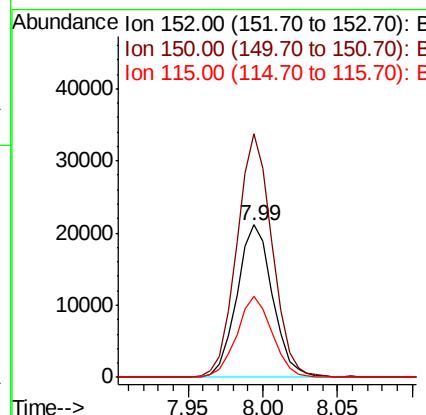
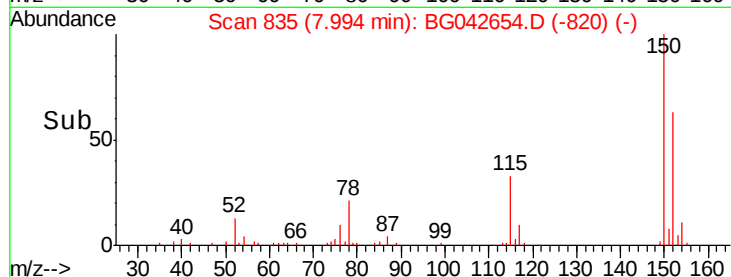
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.99 min Scan# 835  
 Delta R.T. -0.01 min  
 Lab File: BG042654.D  
 Acq: 1 Sep 2019 5:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PAR-C1-C4-(0-3.11)

Tot Ion:152 Resp: 35135  
 Ion Ratio Lower Upper  
 152 100  
 150 159.6 125.4 188.0  
 115 53.0 38.5 57.7

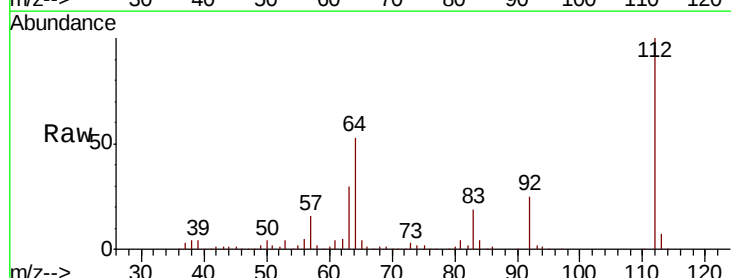


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

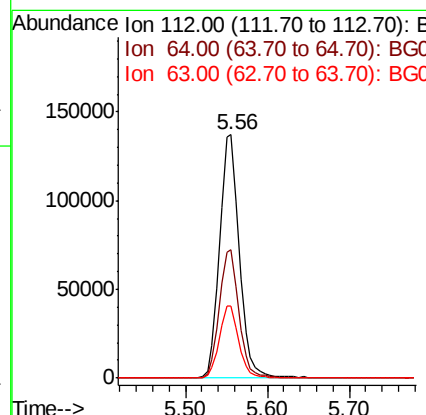
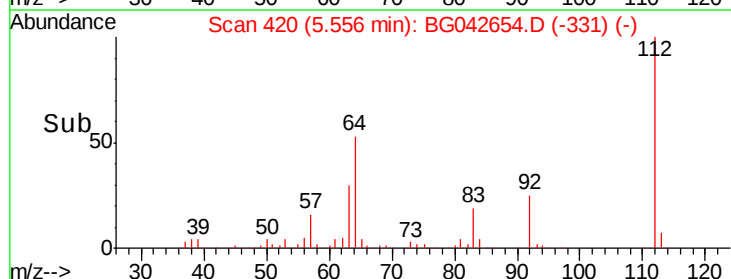


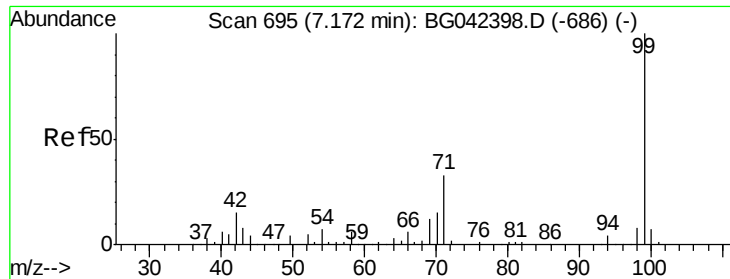
#5  
 2-Fluorophenol  
 Concen: 133.579 ng  
 RT: 5.56 min Scan# 420  
 Delta R.T. -0.01 min  
 Lab File: BG042654.D  
 Acq: 1 Sep 2019 5:20

Tgt Ion:112 Resp: 231734  
 Ion Ratio Lower Upper  
 112 100  
 64 52.6 42.8 64.2  
 63 29.7 22.7 34.1



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: 116.823 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042654.D

Acq: 1 Sep 2019 5:20

Instrument :

BNA\_G

ClientSampleId :

PAR-C1-C4-(0-3.11)

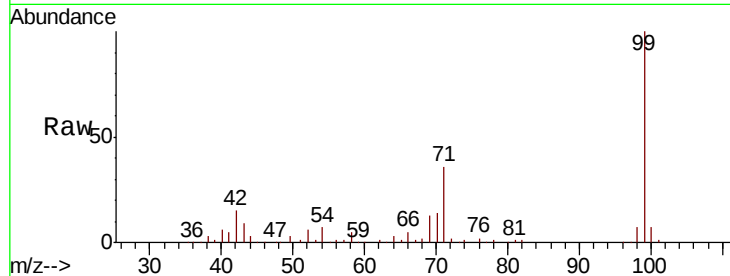
Tot Ion: 99 Resp: 273756

Ion Ratio Lower Upper

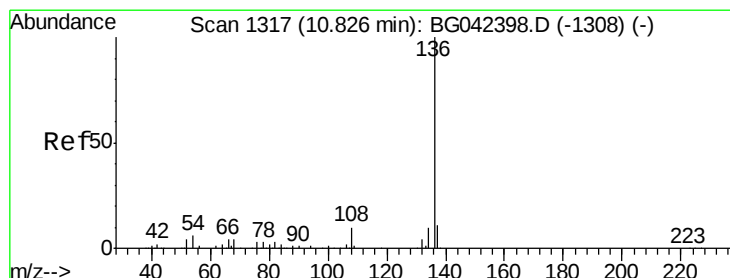
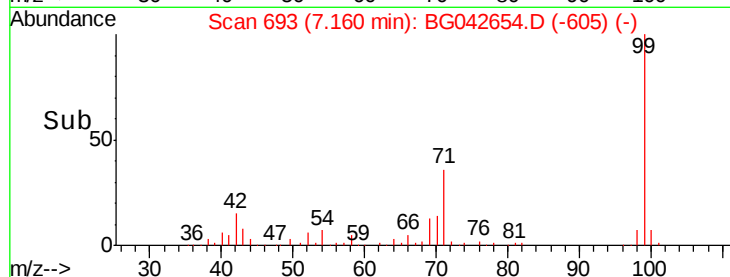
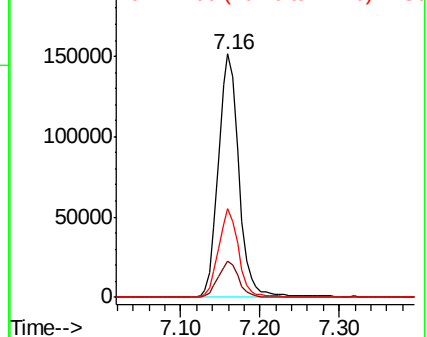
99 100

42 15.0 12.0 18.0

71 36.3 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: 10.81 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BG042654.D

Acq: 1 Sep 2019 5:20

Tgt Ion: 136 Resp: 131749

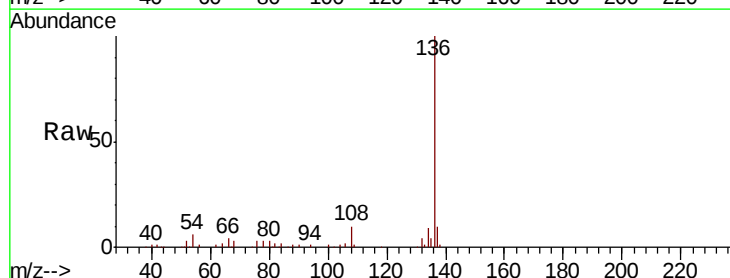
Ion Ratio Lower Upper

136 100

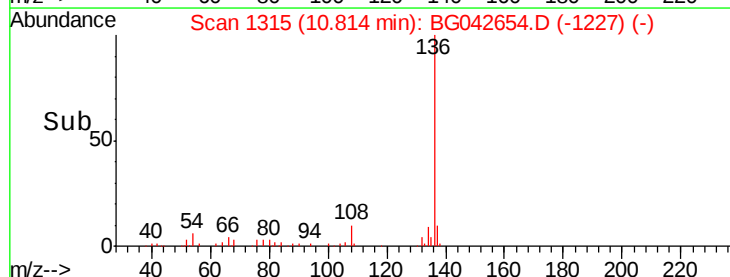
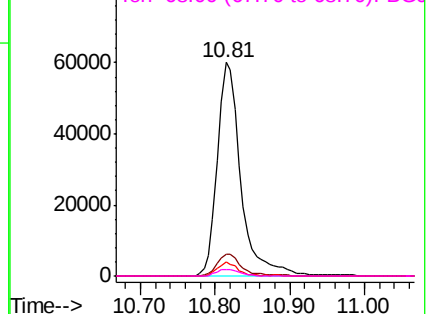
137 10.2 8.7 13.1

54 6.4 4.9 7.3

68 3.3 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

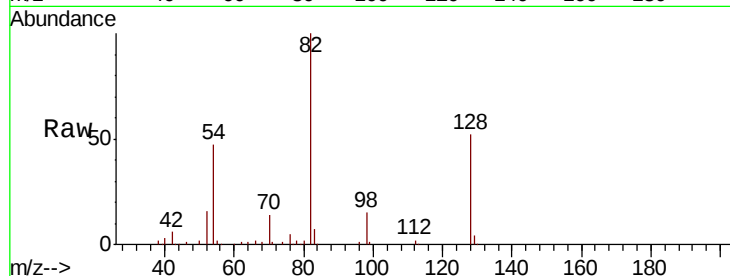




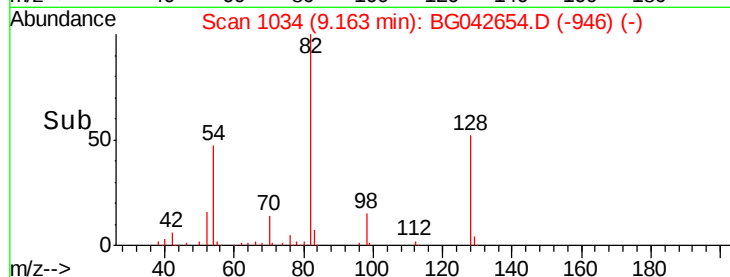
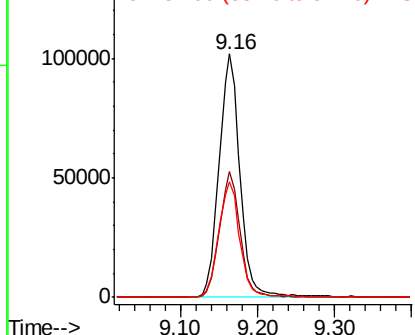
#23  
Nitrobenzene-d5  
Concen: 100.451 ng  
RT: 9.16 min Scan# 1034  
Delta R.T. -0.01 min  
Lab File: BG042654.D  
Acq: 1 Sep 2019 5:20

Instrument :  
BNA\_G  
ClientSampleId :  
PAR-C1-C4-(0-3.11)

| Tot Ion   | 82    | Resp  | 191513 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 51.6  | 40.7  | 61.1   |
| 54        | 47.5  | 36.3  | 54.5   |

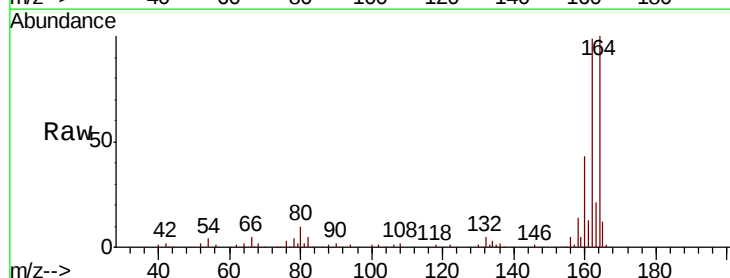


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

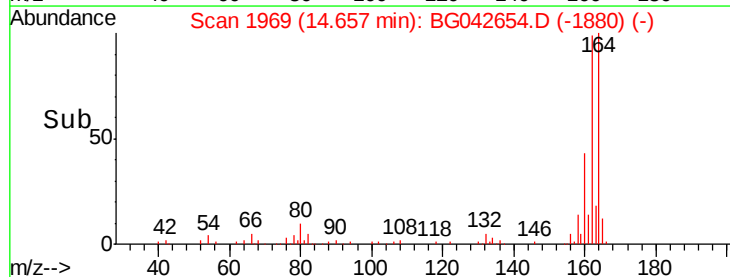
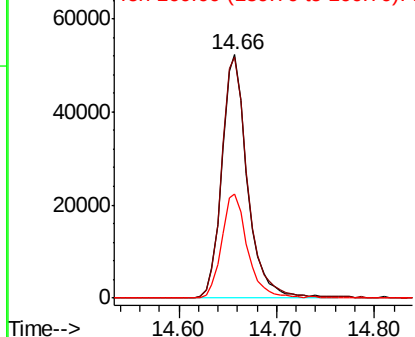


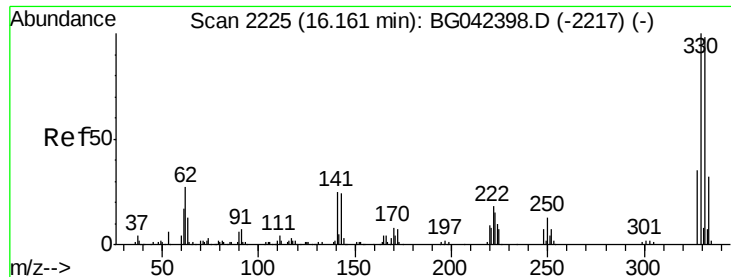
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.66 min Scan# 1969  
Delta R.T. -0.01 min  
Lab File: BG042654.D  
Acq: 1 Sep 2019 5:20

| Tgt Ion   | 164   | Resp  | 94645 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 98.9  | 79.9  | 119.9 |
| 160       | 43.0  | 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: 146.604 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042654.D

Acq: 1 Sep 2019 5:20

Instrument :

BNA\_G

ClientSampleId :

PAR-C1-C4-(0-3.11)

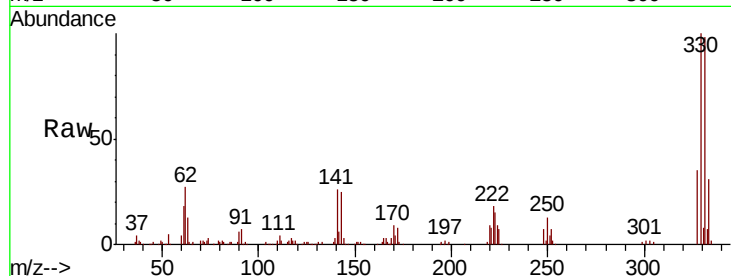
Tot Ion:330 Resp: 197215

Ion Ratio Lower Upper

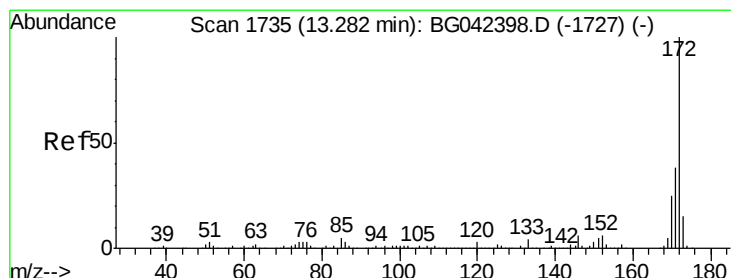
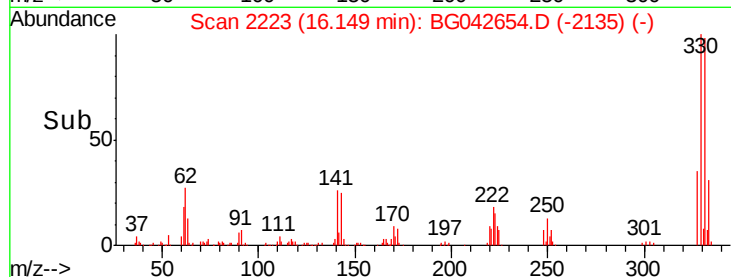
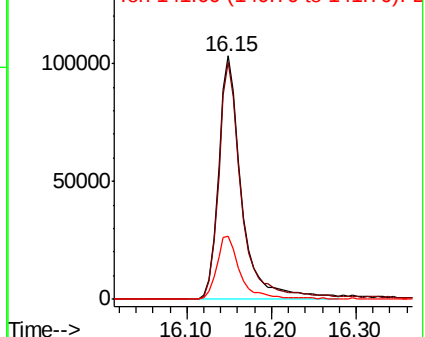
330 100

332 97.2 77.4 116.0

141 27.0 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: 111.214 ng

RT: 13.28 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BG042654.D

Acq: 1 Sep 2019 5:20

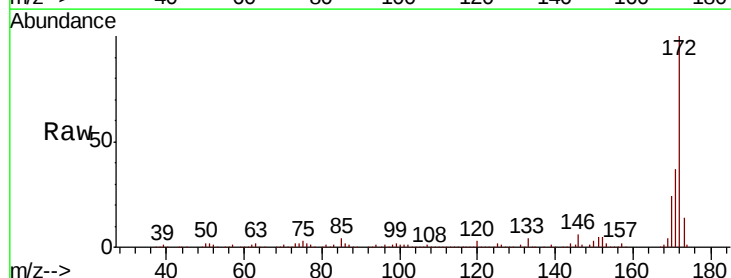
Tgt Ion:172 Resp: 622361

Ion Ratio Lower Upper

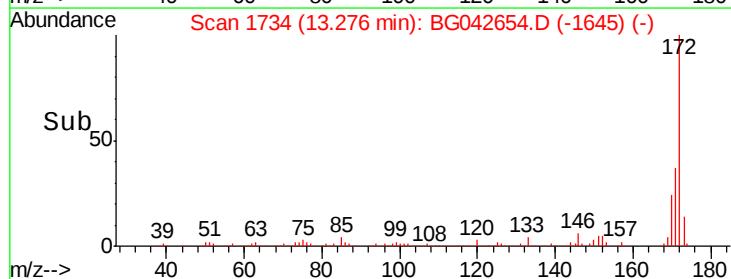
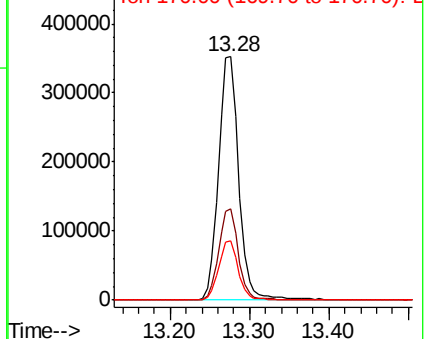
172 100

171 37.4 30.5 45.7

170 24.3 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: BG042654.D

Acq: 1 Sep 2019 5:20

Instrument :

BNA\_G

ClientSampleId :

PAR-C1-C4-(0-3.11)

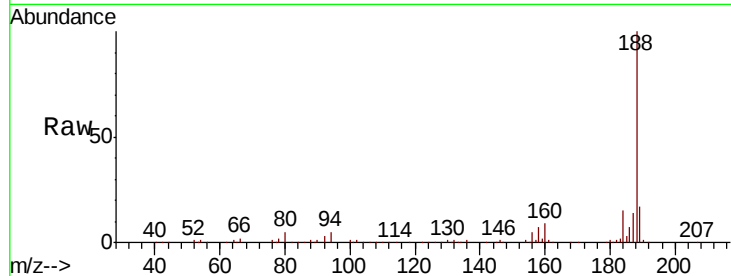
Tot Ion:188 Resp: 228100

Ion Ratio Lower Upper

188 100

94 5.1 4.5 6.7

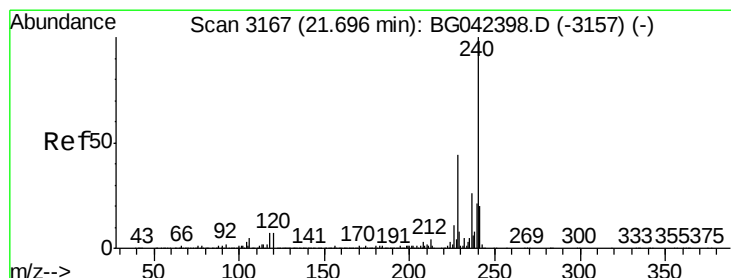
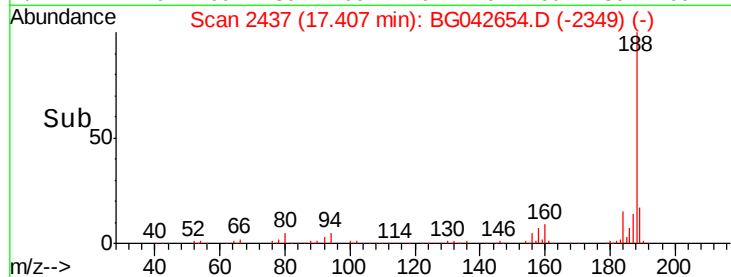
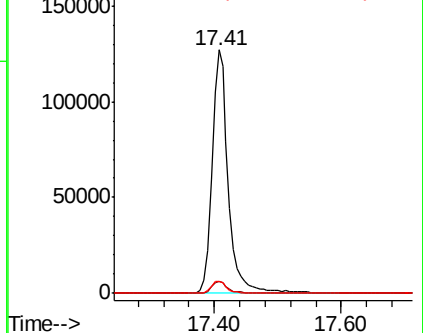
80 5.0 4.9 7.3



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: 21.68 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042654.D

Acq: 1 Sep 2019 5:20

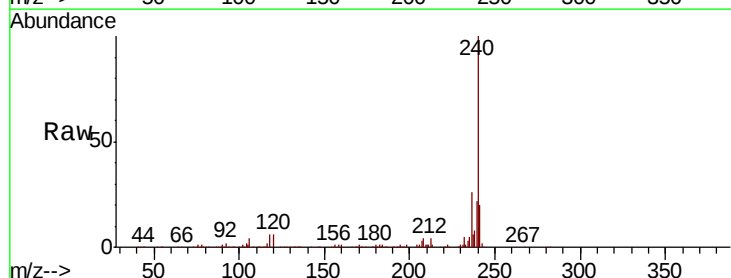
Tgt Ion:240 Resp: 254765

Ion Ratio Lower Upper

240 100

120 6.0 5.7 8.5

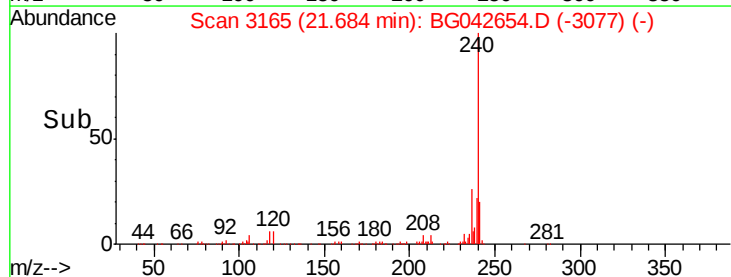
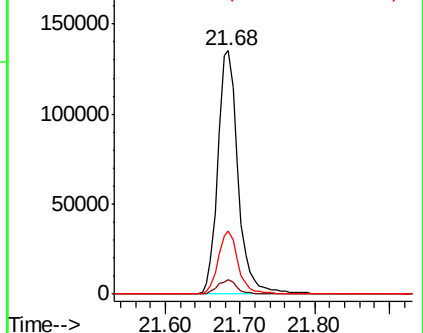
236 25.9 21.0 31.4

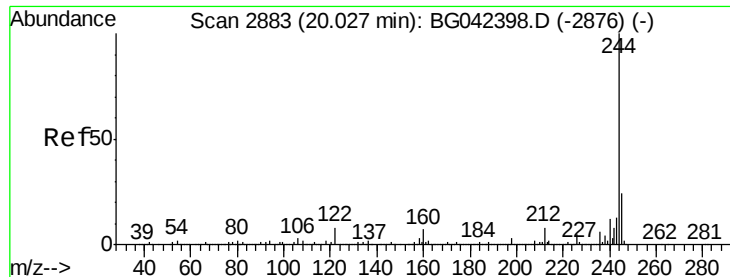


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 106.471 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042654.D

Acq: 1 Sep 2019 5:20

Instrument :

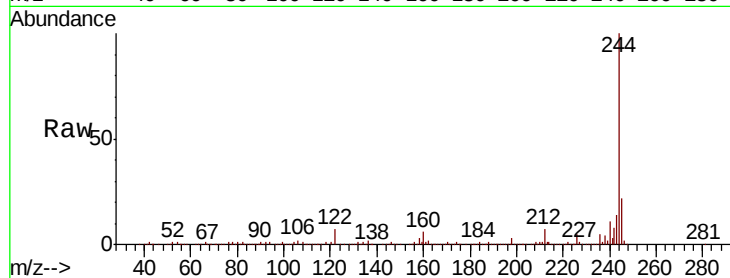
BNA\_G

ClientSampleId :

PAR-C1-C4-(0-3.11)

Tot Ion:244 Resp: 1254680

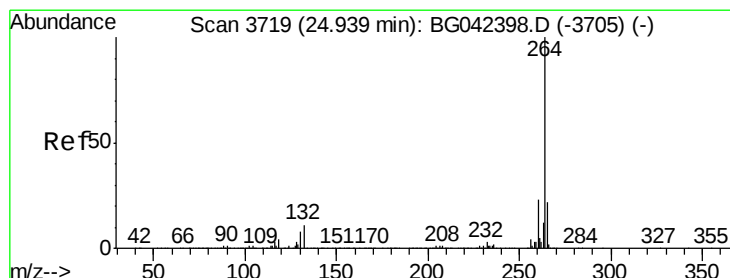
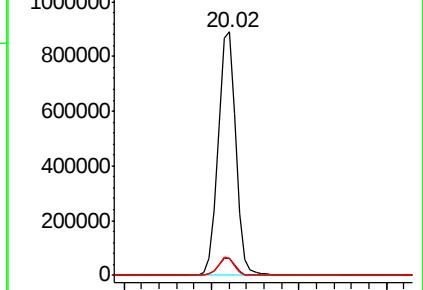
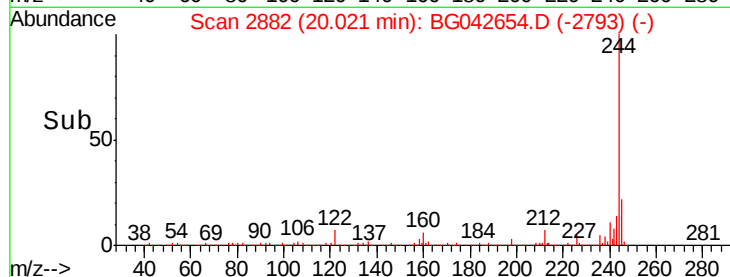
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.2   | 6.0   | 9.0   |
| 122 | 6.8   | 6.7   | 10.1  |



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

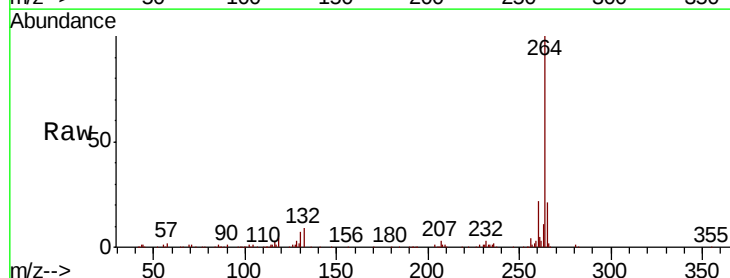
Delta R.T. -0.02 min

Lab File: BG042654.D

Acq: 1 Sep 2019 5:20

Tgt Ion:264 Resp: 293883

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.1  | 18.5  | 27.7  |
| 265 | 20.6  | 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

