

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103119\  
 Data File : BG043439.D  
 Acq On : 31 Oct 2019 18:24  
 Operator : JU  
 Sample : K5587-15  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CSA-2-1-11

Quant Time: Nov 01 05:11:46 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 21 16:37:43 2019  
 Response via : Initial Calibration

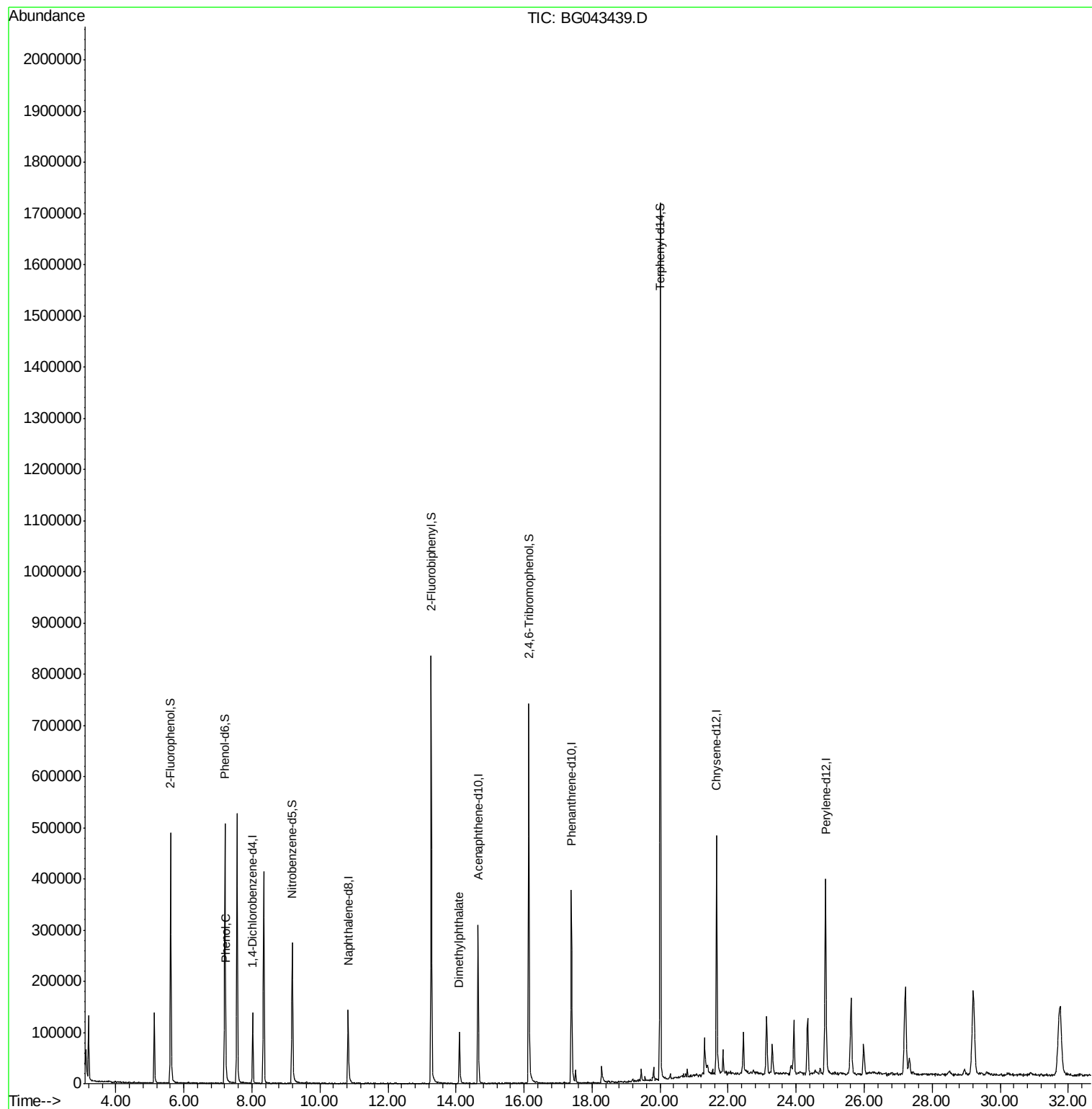
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.02  | 152  | 42014    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.83 | 136  | 152257   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.65 | 164  | 117856   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.39 | 188  | 279244   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.66 | 240  | 305125   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.86 | 264  | 361393   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 235784   | 102.84 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 328459   | 99.57  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.18  | 82   | 198288   | 67.14  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.14 | 330  | 194277   | 86.62  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.27 | 172  | 512986   | 60.15  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.00 | 244  | 960767   | 59.07  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.23  | 94   | 11156    | 3.701  | ng    | 77       |
| 50) Dimethylphthalate       | 14.10 | 163  | 87935    | 9.633  | ng    | 99       |

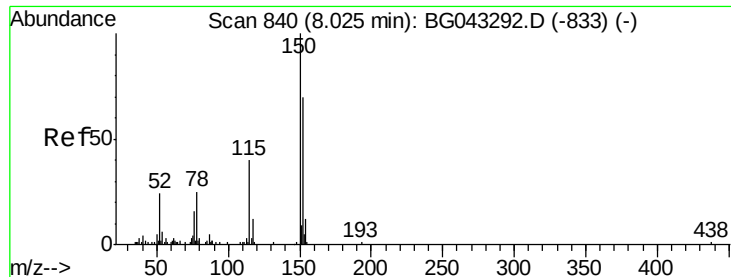
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103119\  
Data File : BG043439.D  
Acq On : 31 Oct 2019 18:24  
Operator : JU  
Sample : K5587-15  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
CSA-2-1-11

Quant Time: Nov 01 05:11:46 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 21 16:37:43 2019  
Response via : Initial Calibration



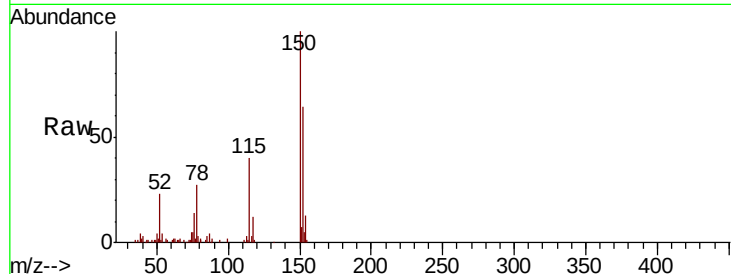


#1

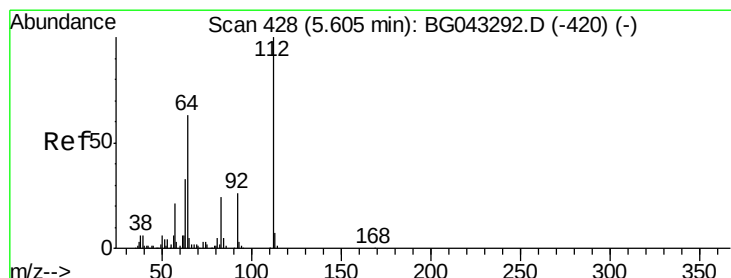
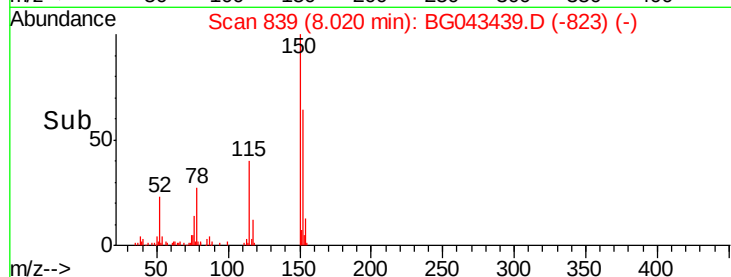
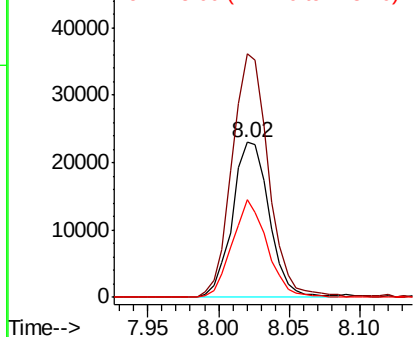
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.02 min Scan# 839  
Delta R.T. -0.01 min  
Lab File: BG043439.D  
Acq: 31 Oct 2019 18:24

Instrument :  
BNA\_G  
ClientSampleId :  
CSA-2-1-11

Tot Ion:152 Resp: 42014  
Ion Ratio Lower Upper  
152 100  
150 156.9 113.6 170.4  
115 62.6 45.9 68.9



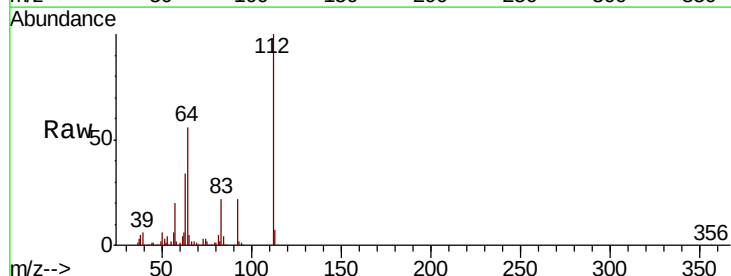
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



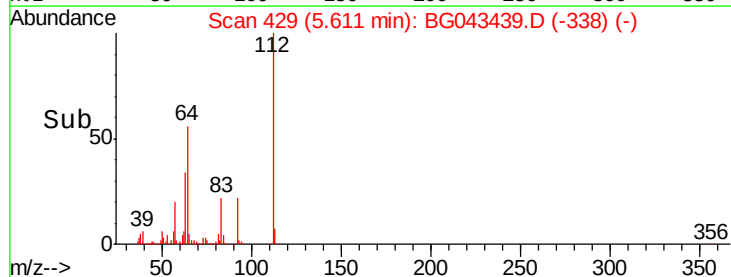
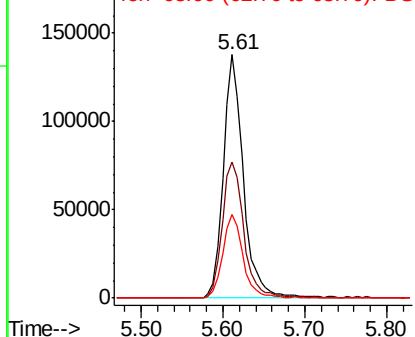
#5

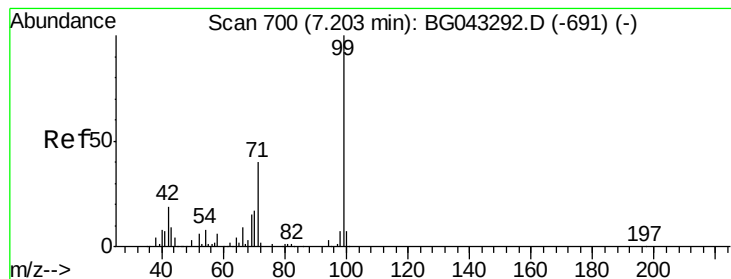
2-Fluorophenol  
Concen: 102.838 ng  
RT: 5.61 min Scan# 429  
Delta R.T. 0.01 min  
Lab File: BG043439.D  
Acq: 31 Oct 2019 18:24

Tgt Ion:112 Resp: 235784  
Ion Ratio Lower Upper  
112 100  
64 55.9 50.2 75.2  
63 34.3 26.7 40.1



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: 99.570 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.01 min

Lab File: BG043439.D

Acq: 31 Oct 2019 18:24

Instrument :

BNA\_G

ClientSampleId :

CSA-2-1-11

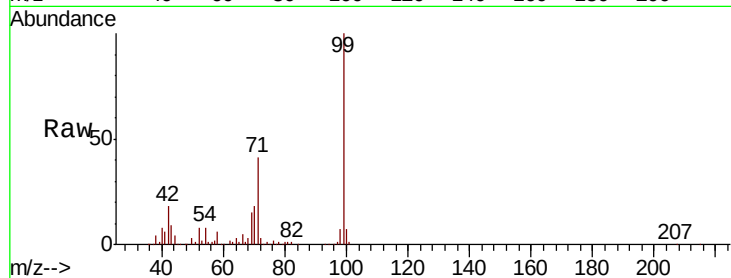
Tot Ion: 99 Resp: 328459

Ion Ratio Lower Upper

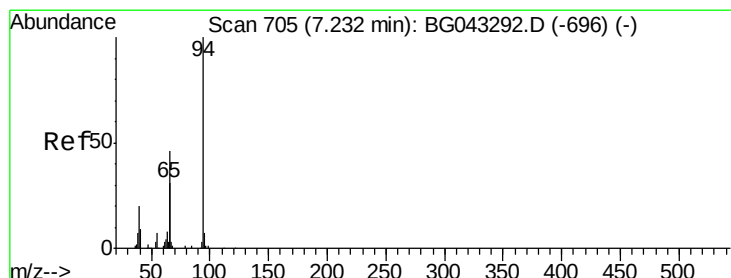
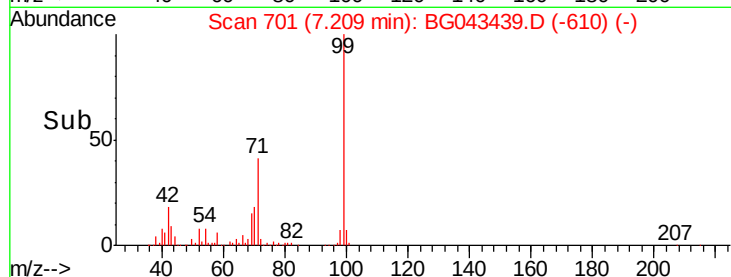
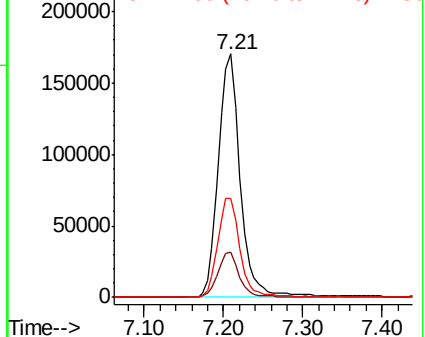
99 100

42 18.4 14.9 22.3

71 40.9 32.2 48.2



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



#10

Phenol

Concen: 3.701 ng

RT: 7.23 min Scan# 705

Delta R.T. 0.00 min

Lab File: BG043439.D

Acq: 31 Oct 2019 18:24

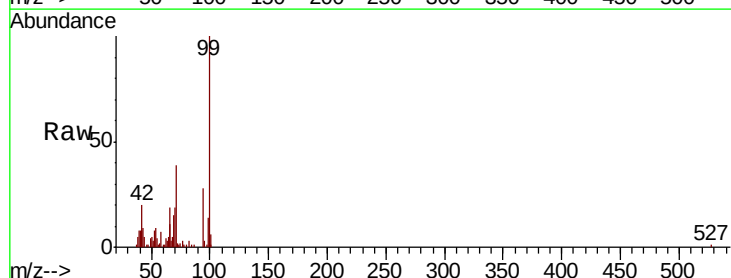
Tgt Ion: 94 Resp: 11156

Ion Ratio Lower Upper

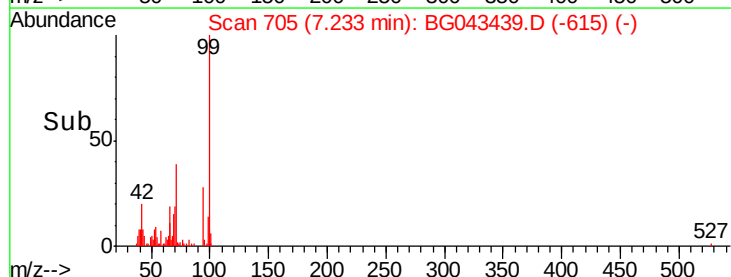
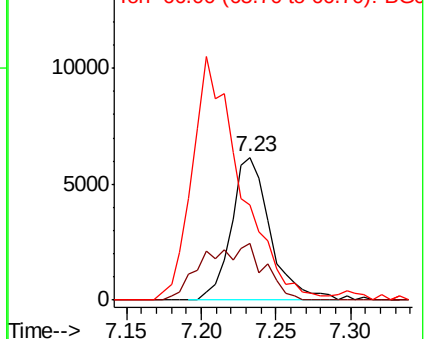
94 100

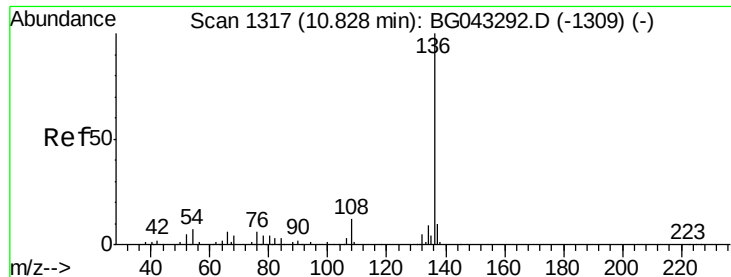
65 39.2 11.1 51.1

66 66.7 27.8 67.8



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

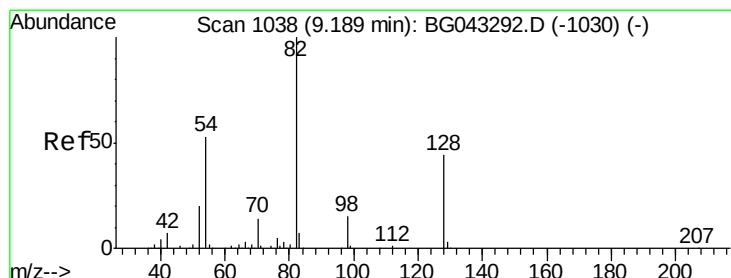
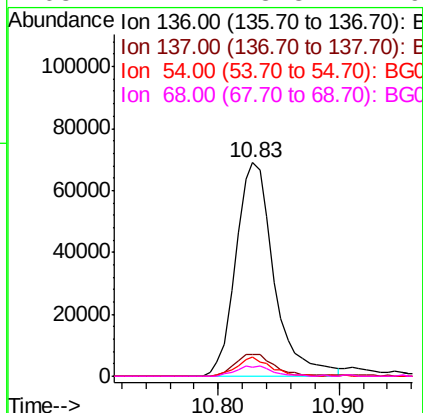
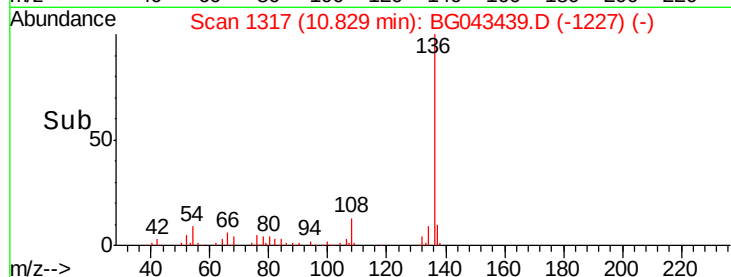
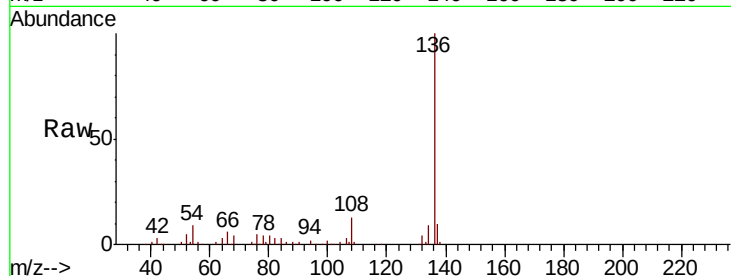




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.83 min Scan# 1317  
Delta R.T. 0.00 min  
Lab File: BG043439.D  
Acq: 31 Oct 2019 18:24

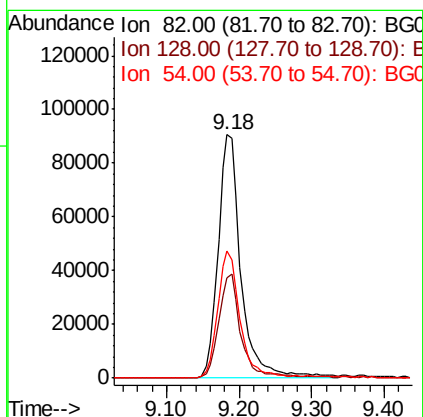
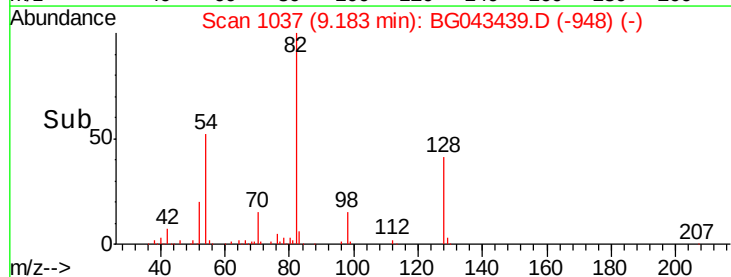
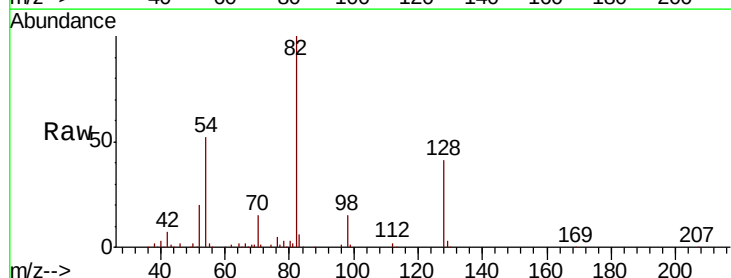
Instrument :  
BNA\_G  
ClientSampleId :  
CSA-2-1-11

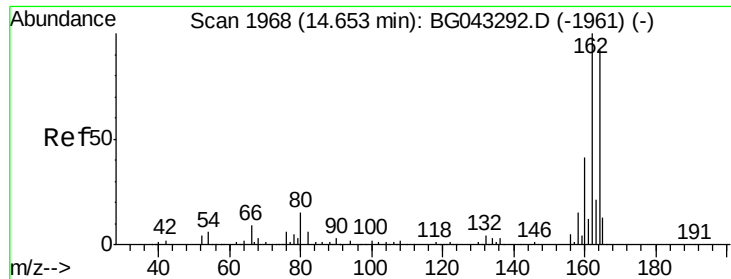
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 152257   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.0  | 8.2 12.2 |
| 54          | 9.0   | 5.4 8.2# |
| 68          | 4.2   | 3.3 4.9  |



#23  
Nitrobenzene-d5  
Concen: 67.141 ng  
RT: 9.18 min Scan# 1037  
Delta R.T. -0.01 min  
Lab File: BG043439.D  
Acq: 31 Oct 2019 18:24

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 198288    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 41.2  | 35.3 52.9 |
| 54          | 52.0  | 42.3 63.5 |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG043439.D

Acq: 31 Oct 2019 18:24

Instrument :

BNA\_G

ClientSampleId :

CSA-2-1-11

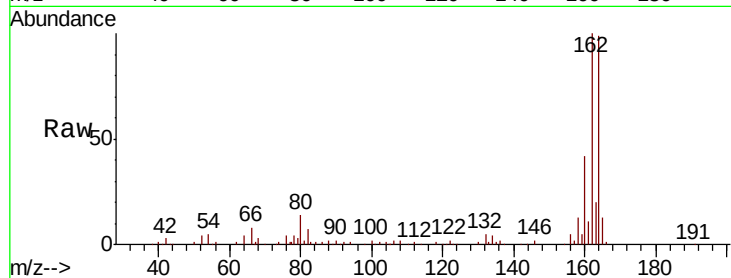
Tot Ion:164 Resp: 117856

Ion Ratio Lower Upper

164 100

162 100.7 87.0 130.4

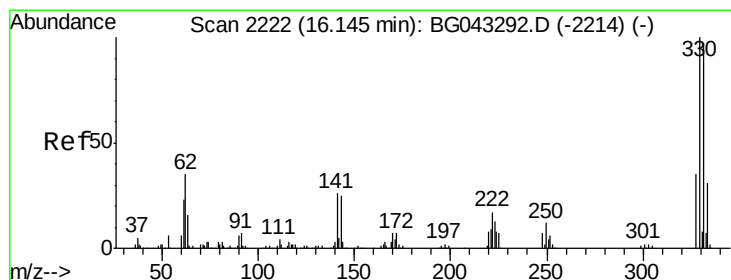
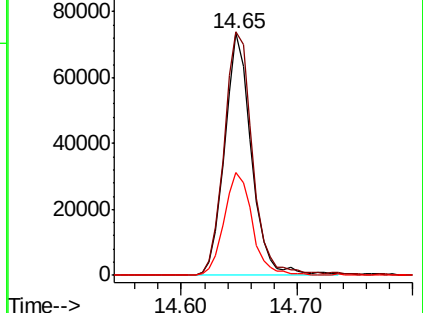
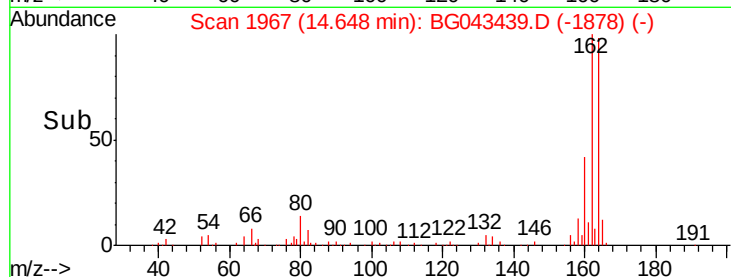
160 42.6 35.5 53.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 86.622 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG043439.D

Acq: 31 Oct 2019 18:24

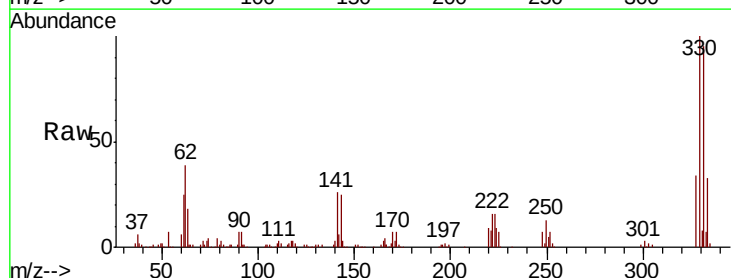
Tgt Ion:330 Resp: 194277

Ion Ratio Lower Upper

330 100

332 94.7 76.4 114.6

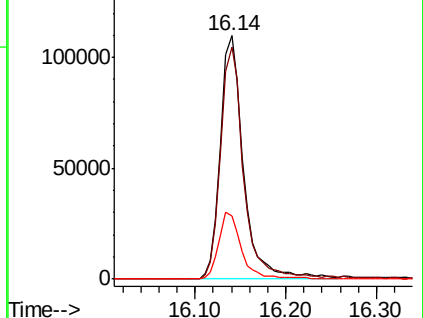
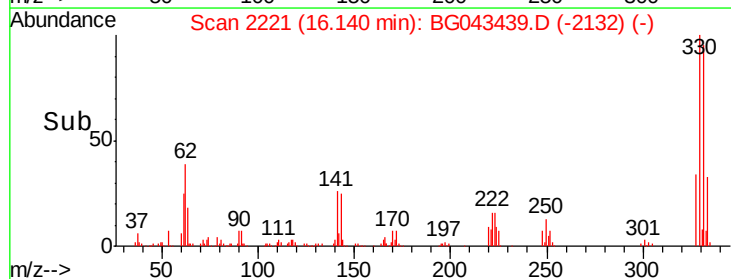
141 27.0 21.4 32.0

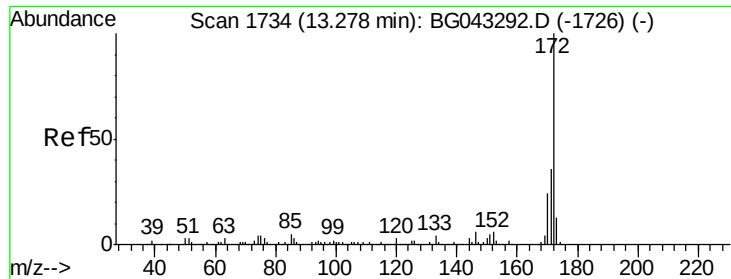


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

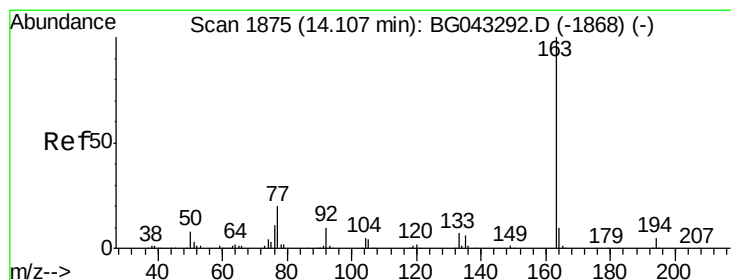
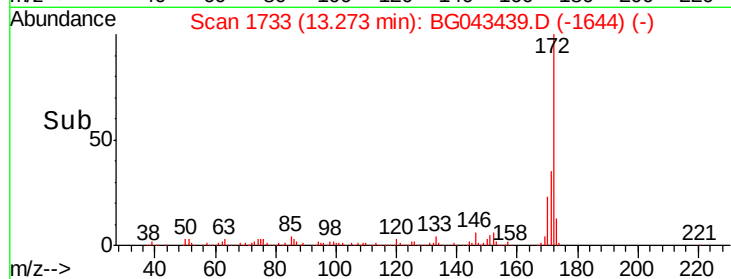
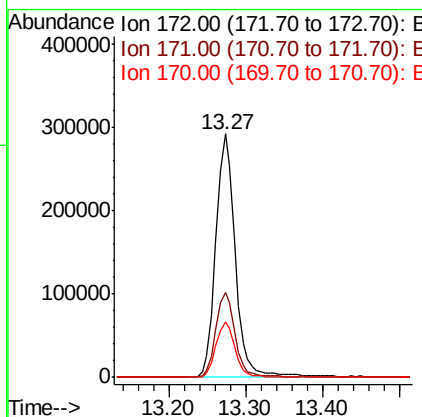
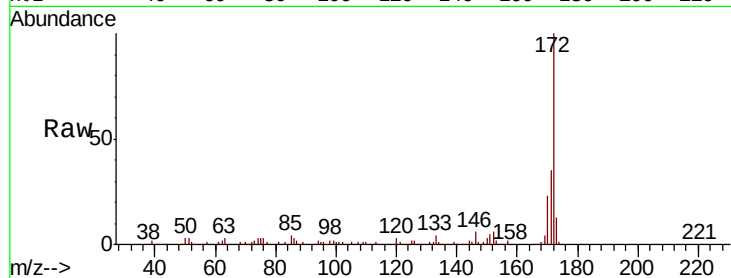




#45  
 2-Fluorobiphenyl  
 Concen: 60.145 ng  
 RT: 13.27 min Scan# 1733  
 Delta R.T. -0.01 min  
 Lab File: BG043439.D  
 Acq: 31 Oct 2019 18:24

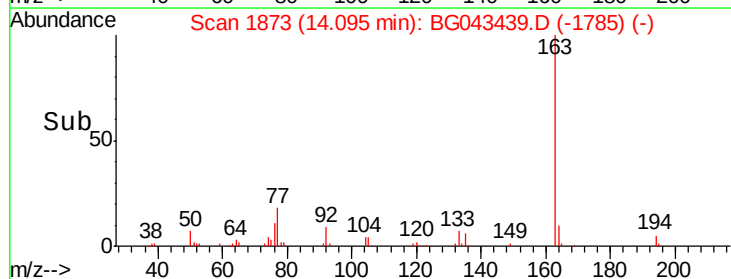
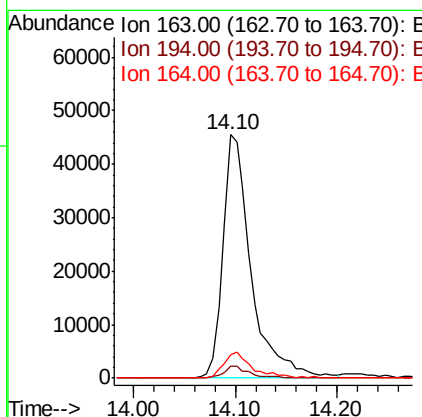
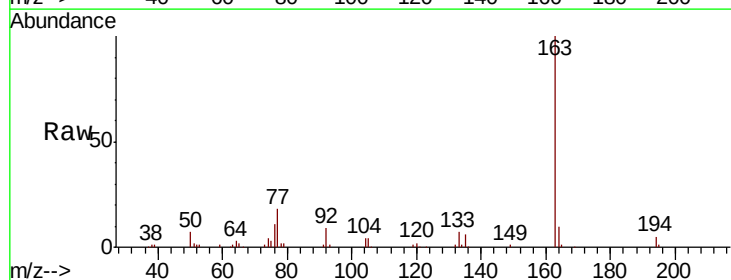
Instrument :  
 BNA\_G  
 ClientSampleId :  
 CSA-2-1-11

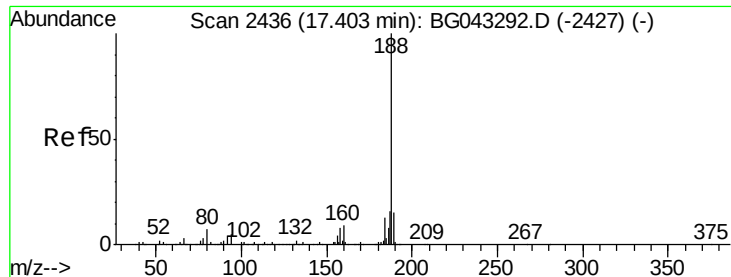
Tot Ion:172 Resp: 512986  
 Ion Ratio Lower Upper  
 172 100  
 171 34.8 28.5 42.7  
 170 22.9 18.8 28.2



#50  
 Dimethylphthalate  
 Concen: 9.633 ng  
 RT: 14.10 min Scan# 1873  
 Delta R.T. -0.01 min  
 Lab File: BG043439.D  
 Acq: 31 Oct 2019 18:24

Tgt Ion:163 Resp: 87935  
 Ion Ratio Lower Upper  
 163 100  
 194 4.8 3.7 5.5  
 164 9.8 8.1 12.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2434

Delta R.T. -0.01 min

Lab File: BG043439.D

Acq: 31 Oct 2019 18:24

Instrument :

BNA\_G

ClientSampleId :

CSA-2-1-11

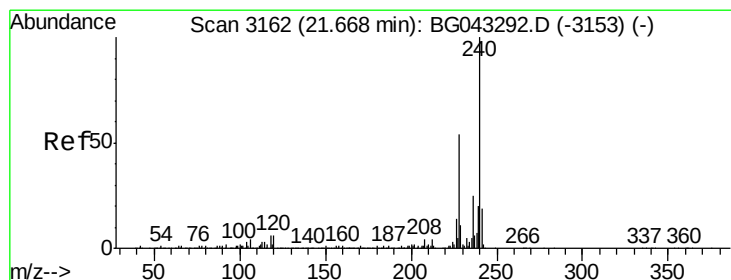
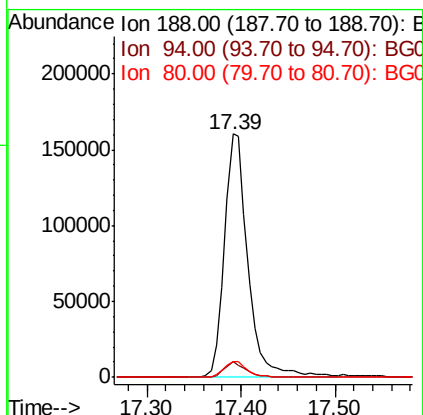
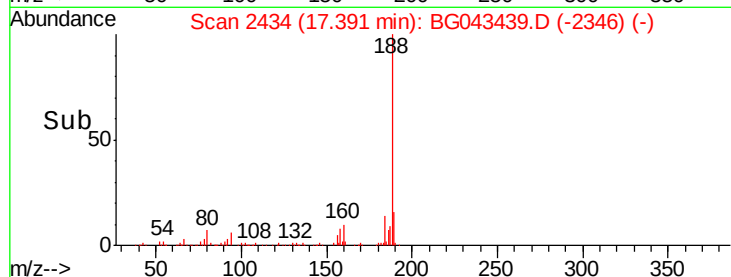
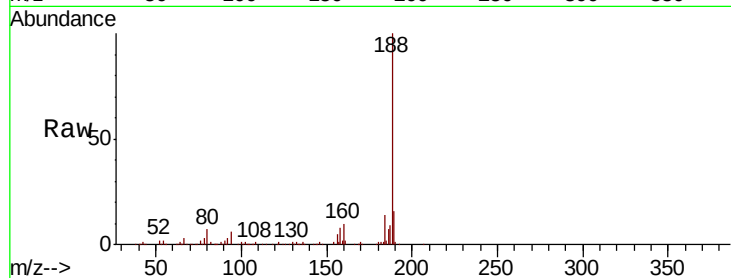
Tot Ion:188 Resp: 279244

Ion Ratio Lower Upper

188 100

94 6.3 4.2 6.2#

80 6.7 5.2 7.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG043439.D

Acq: 31 Oct 2019 18:24

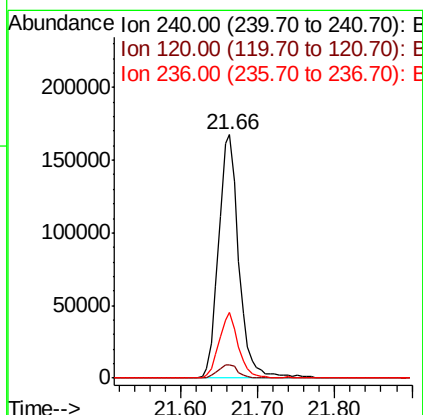
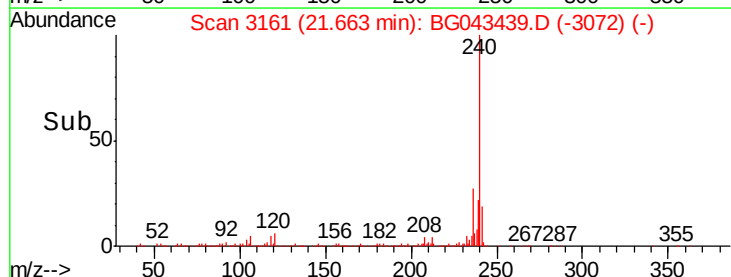
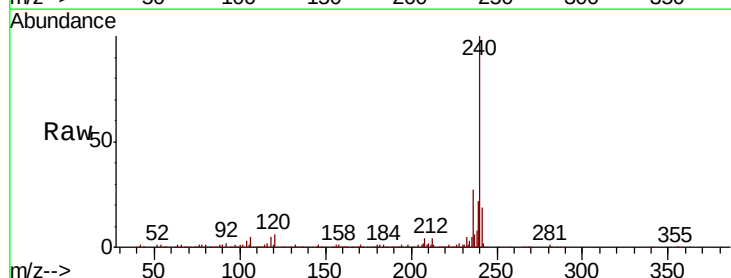
Tgt Ion:240 Resp: 305125

Ion Ratio Lower Upper

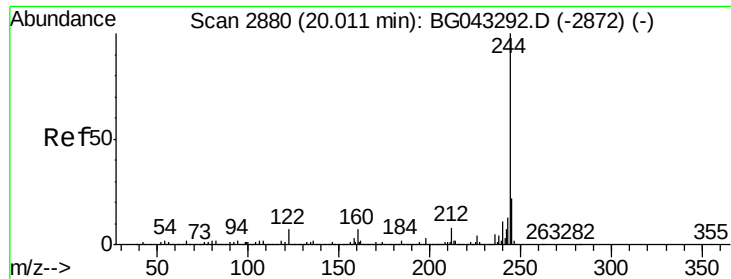
240 100

120 5.6 4.6 7.0

236 26.7 20.2 30.4



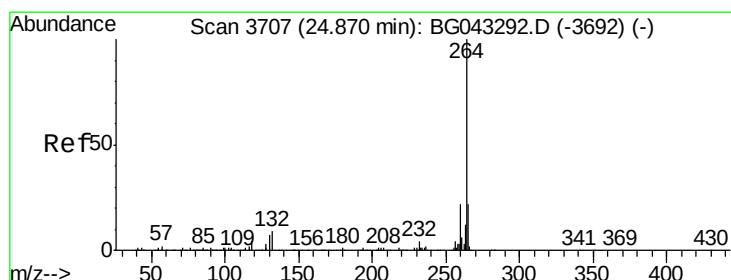
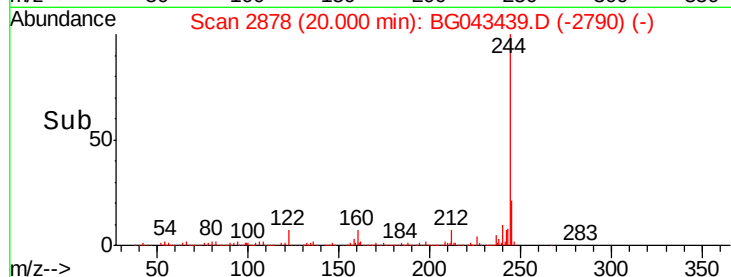
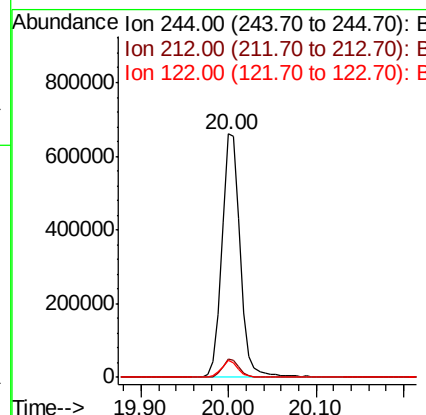
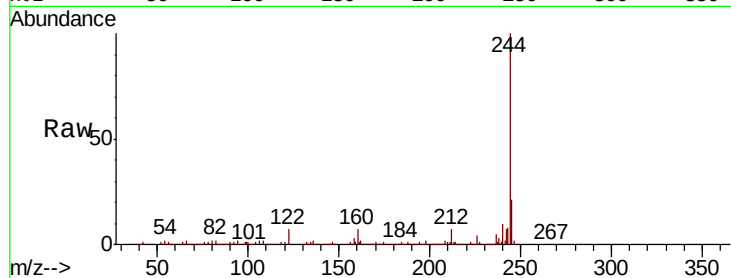




#79  
 Terphenyl-d14  
 Concen: 59.073 ng  
 RT: 20.00 min Scan# 2878  
 Delta R.T. -0.01 min  
 Lab File: BG043439.D  
 Acq: 31 Oct 2019 18:24

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CSA-2-1-11

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.3   | 6.4   | 9.6   |
| 122     | 7.1   | 5.3   | 7.9   |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.86 min Scan# 3706  
 Delta R.T. -0.01 min  
 Lab File: BG043439.D  
 Acq: 31 Oct 2019 18:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 17.9  | 26.9  |
| 265     | 22.2  | 17.4  | 26.2  |

