

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091319\  
 Data File : BG042828.D  
 Acq On : 13 Sep 2019 22:22  
 Operator : HP/JU  
 Sample : K4857-14  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP-2

Quant Time: Sep 14 00:03:26 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 12 14:06:09 2019  
 Response via : Initial Calibration

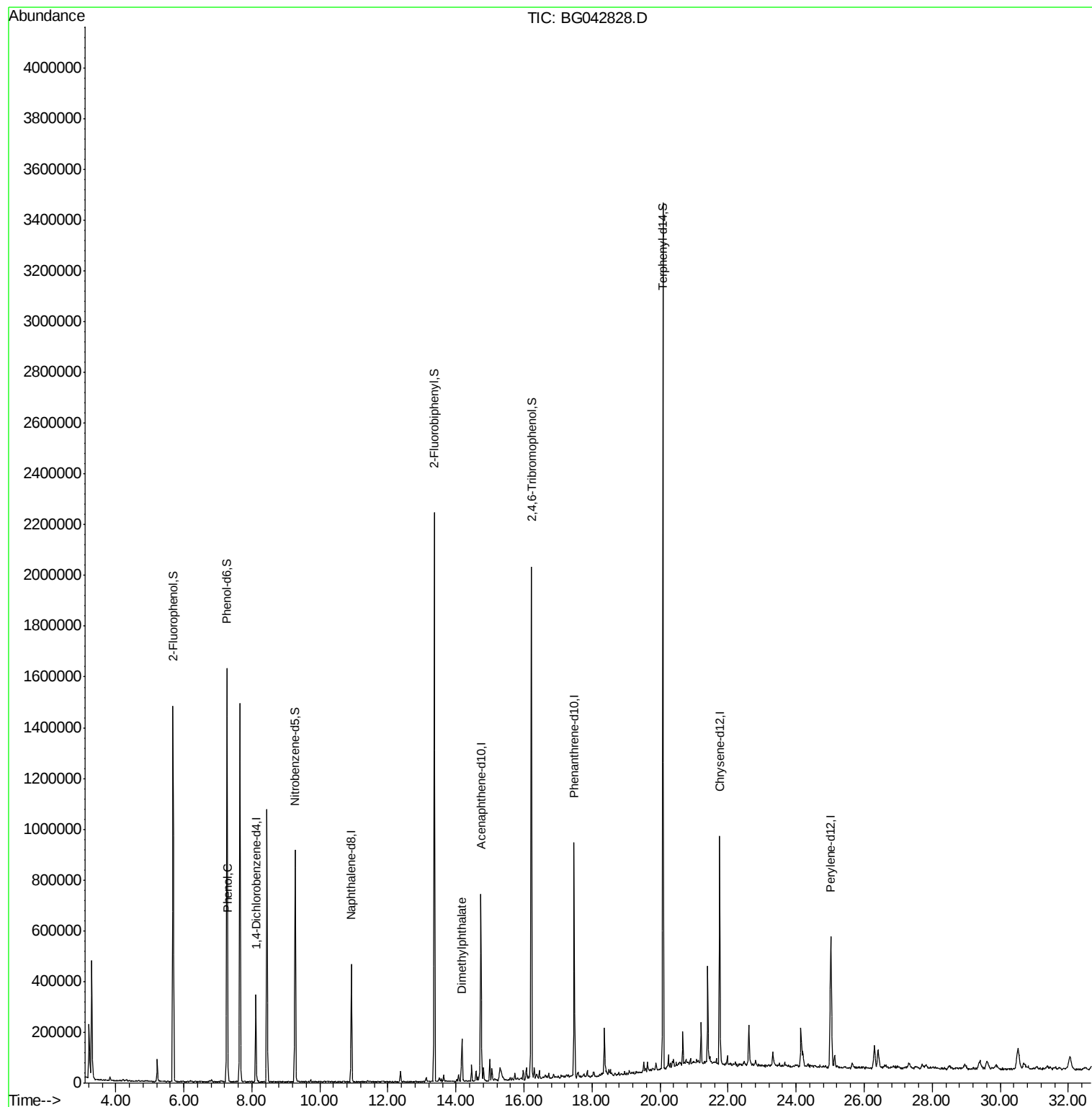
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.11  | 152  | 98757    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.92 | 136  | 391939   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.74 | 164  | 261552   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.47 | 188  | 570700   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.75 | 240  | 537352   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 25.02 | 264  | 600633   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.68  | 112  | 604630   | 106.44 | ng    | 0.00     |
| 7) Phenol-d6                | 7.27  | 99   | 909146   | 111.51 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 568327   | 75.49  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.22 | 330  | 368827   | 105.99 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.36 | 172  | 1151755  | 69.71  | ng    | -0.01    |
| 79) Terphenyl-d14           | 20.08 | 244  | 1608488  | 66.34  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.29  | 94   | 34905    | 4.174  | ng    | 87       |
| 50) Dimethylphthalate       | 14.18 | 163  | 100357   | 5.122  | ng    | 99       |

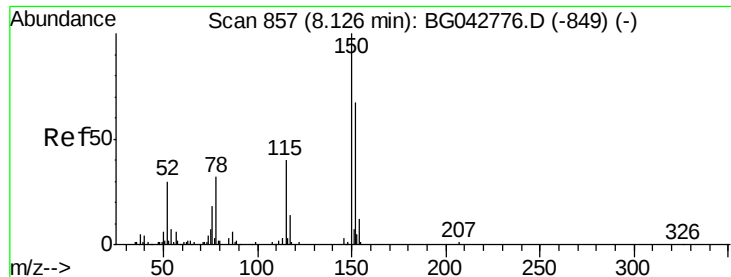
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091319\  
Data File : BG042828.D  
Acq On : 13 Sep 2019 22:22  
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Sample : K4857-14  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SP-2

Quant Time: Sep 14 00:03:26 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 12 14:06:09 2019  
Response via : Initial Calibration



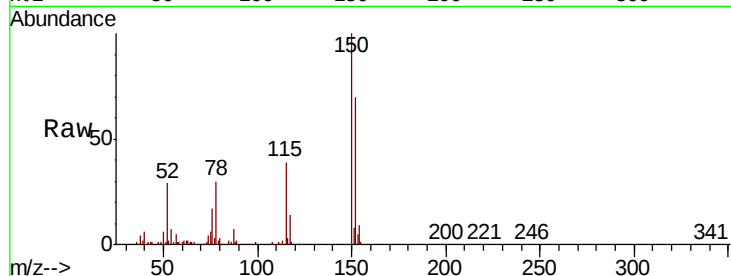


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.11 min Scan# 855  
Delta R.T. -0.01 min  
Lab File: BG042828.D  
Acq: 13 Sep 2019 22:22

Instrument :  
BNA\_G  
ClientSampled :  
SP-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 143.5 | 118.9 | 178.3 |
| 115     | 56.5  | 47.4  | 71.2  |

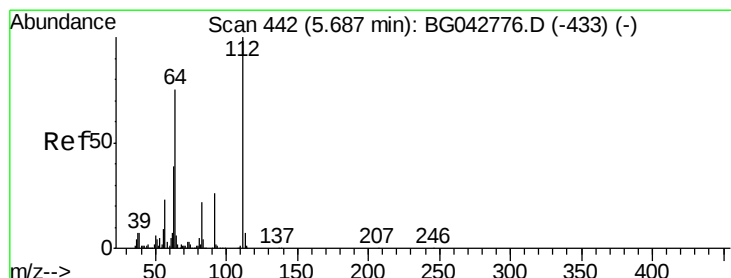
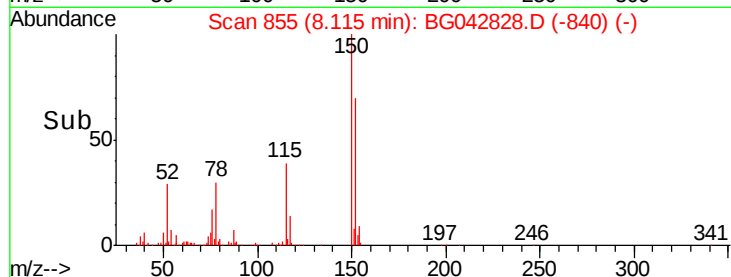
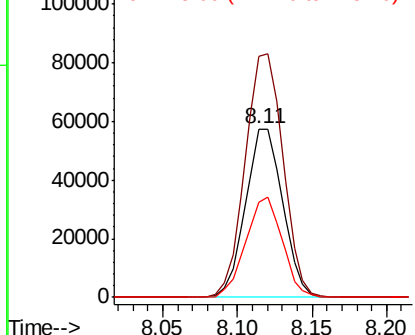


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

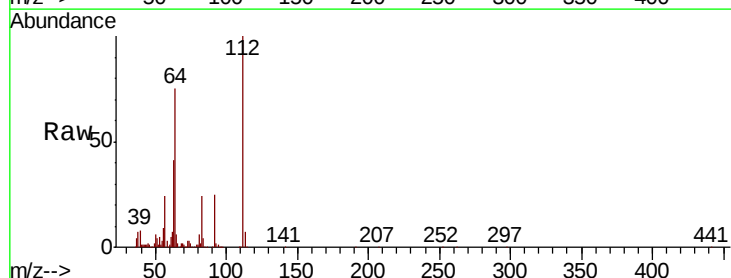
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 106.441 ng  
RT: 5.68 min Scan# 441  
Delta R.T. -0.01 min  
Lab File: BG042828.D  
Acq: 13 Sep 2019 22:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 74.9  | 60.2  | 90.2  |
| 63      | 40.6  | 31.2  | 46.8  |

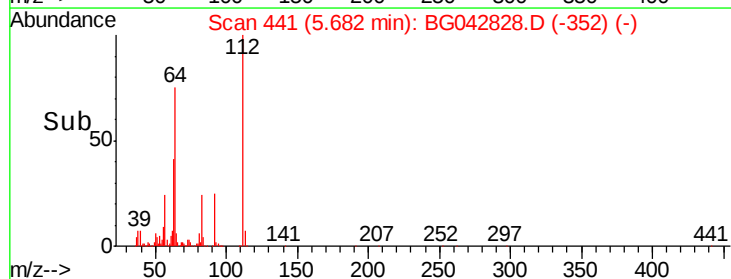
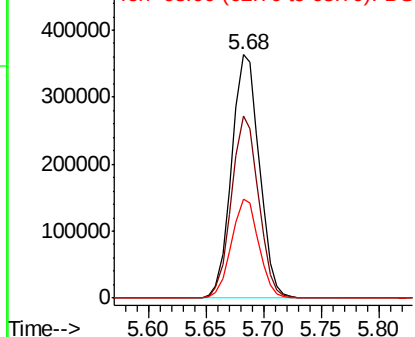


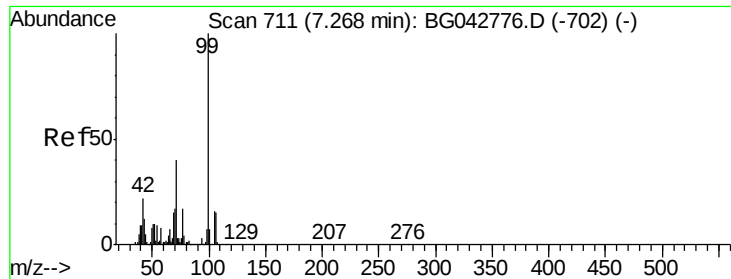
Abundance

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: 111.506 ng

RT: 7.27 min Scan# 711

Delta R.T. 0.00 min

Lab File: BG042828.D

Acq: 13 Sep 2019 22:22

Instrument :

BNA\_G

ClientSampleId :

SP-2

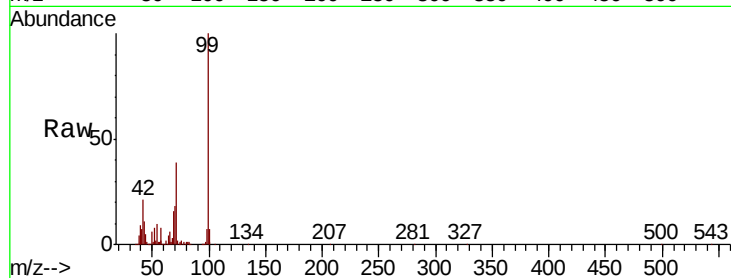
Tot Ion: 99 Resp: 909146

Ion Ratio Lower Upper

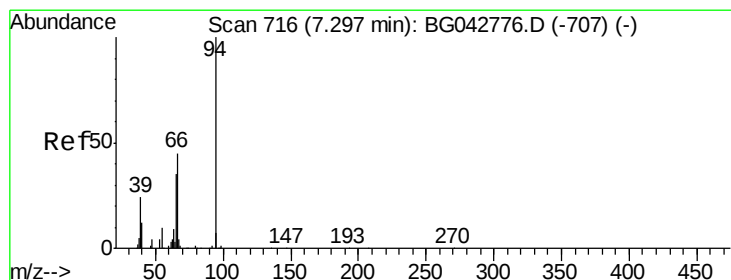
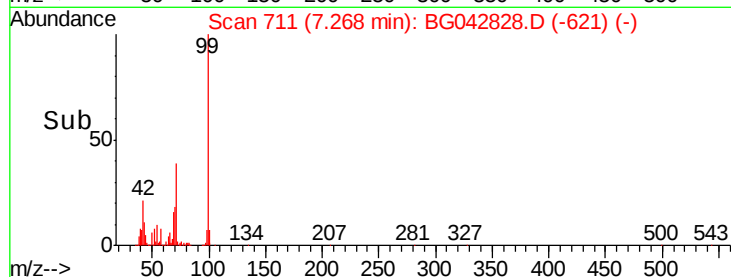
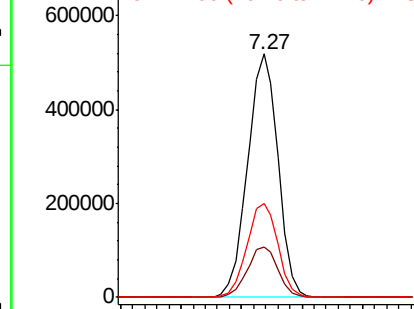
99 100

42 20.6 17.5 26.3

71 38.7 32.0 48.0



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: 4.174 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG042828.D

Acq: 13 Sep 2019 22:22

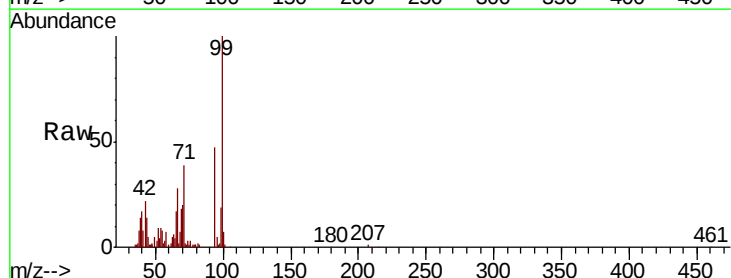
Tgt Ion: 94 Resp: 34905

Ion Ratio Lower Upper

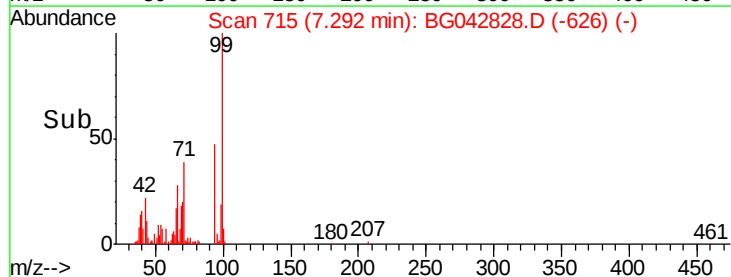
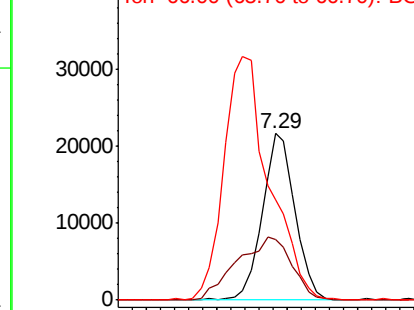
94 100

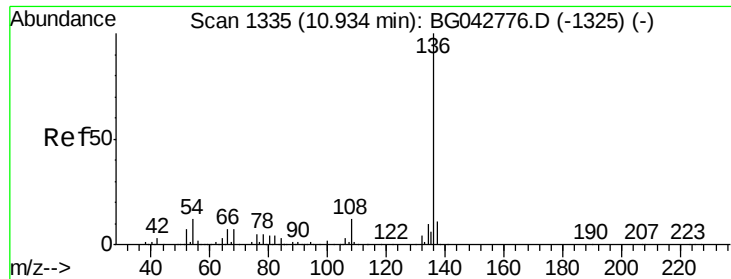
65 36.3 15.0 55.0

66 59.8 26.1 66.1



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

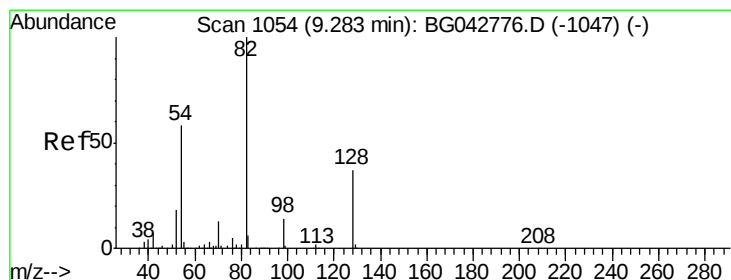
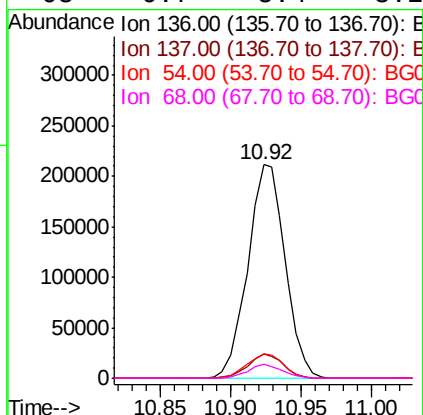
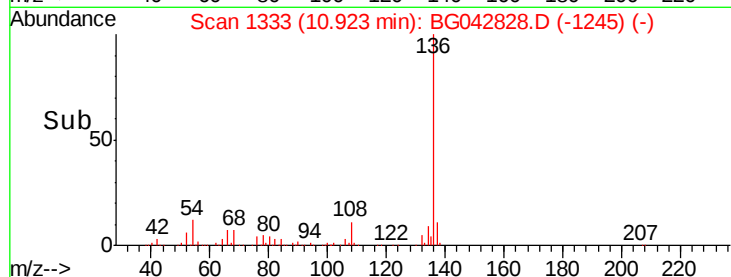
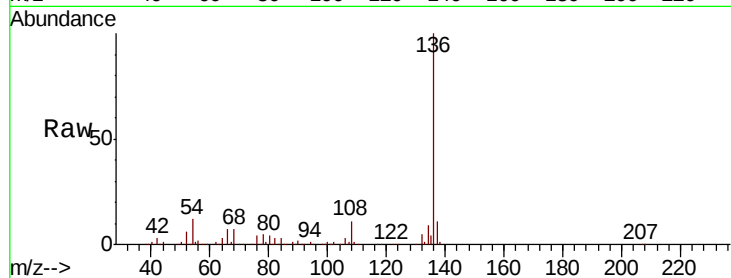




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.92 min Scan# 1333  
Delta R.T. -0.01 min  
Lab File: BG042828.D  
Acq: 13 Sep 2019 22:22

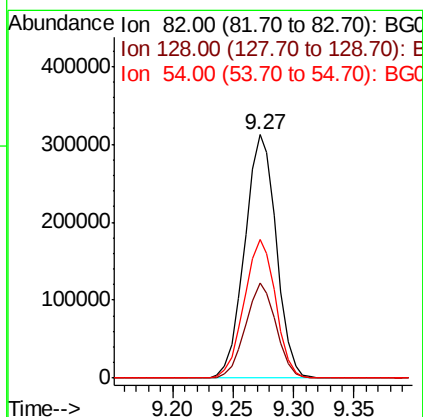
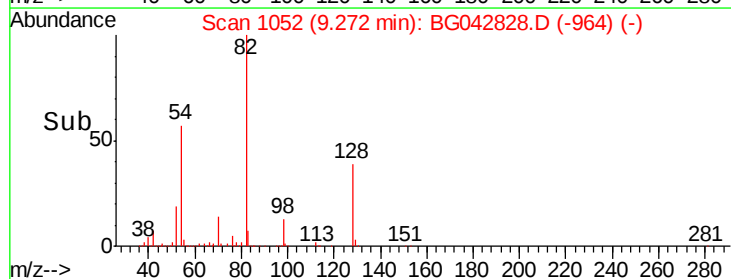
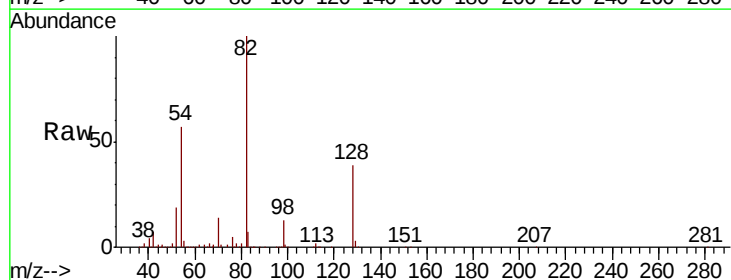
Instrument :  
BNA\_G  
ClientSampleId :  
SP-2

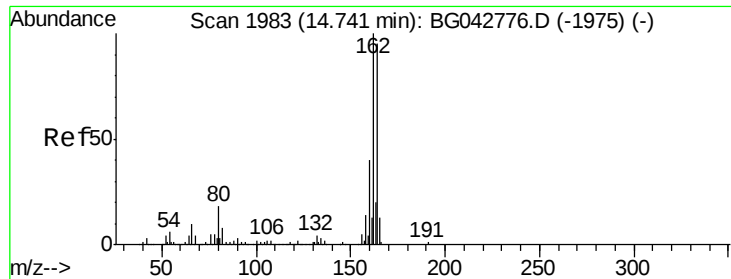
|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 391939 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 11.2    | 9.0   | 13.6   |  |
| 54 11.6     | 9.4   | 14.0   |  |
| 68 6.7      | 5.4   | 8.2    |  |



#23  
Nitrobenzene-d5  
Concen: 75.493 ng  
RT: 9.27 min Scan# 1052  
Delta R.T. -0.01 min  
Lab File: BG042828.D  
Acq: 13 Sep 2019 22:22

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 568327 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 39.1    | 29.8 44.8    |
| 54 57.2     | 46.1 69.1    |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BG042828.D

Acq: 13 Sep 2019 22:22

Instrument :

BNA\_G

ClientSampleId :

SP-2

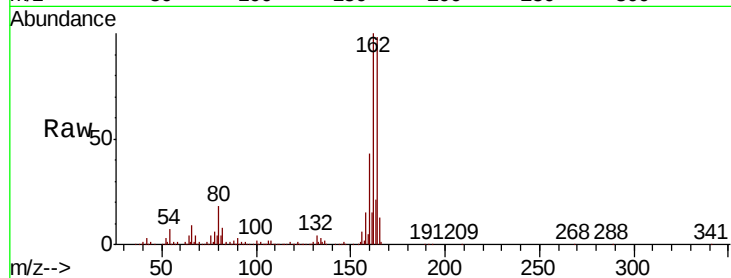
Tot Ion:164 Resp: 261552

Ion Ratio Lower Upper

164 100

162 102.4 84.6 126.8

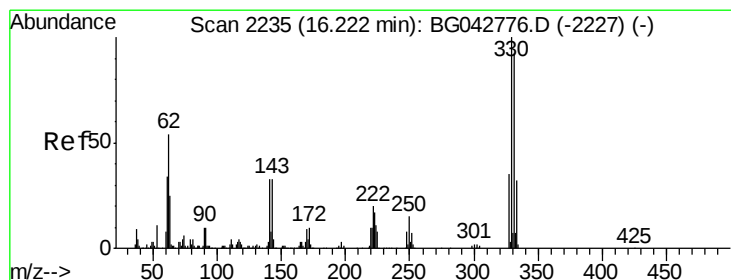
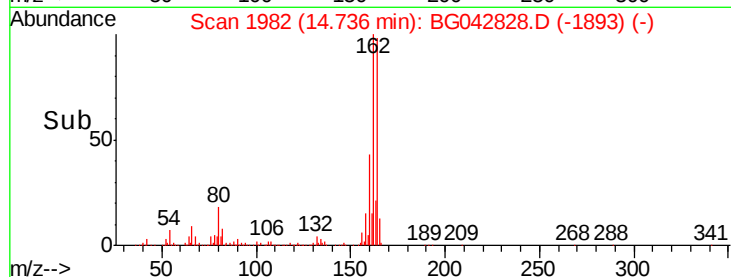
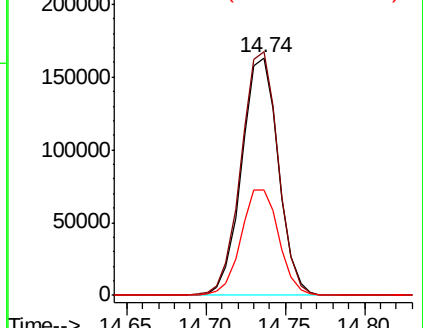
160 44.5 34.2 51.2



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: 105.992 ng

RT: 16.22 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BG042828.D

Acq: 13 Sep 2019 22:22

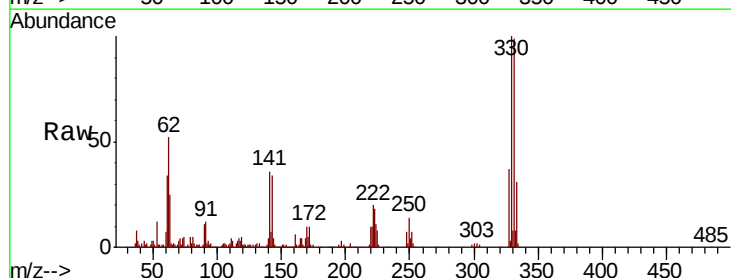
Tgt Ion:330 Resp: 368827

Ion Ratio Lower Upper

330 100

332 96.5 76.7 115.1

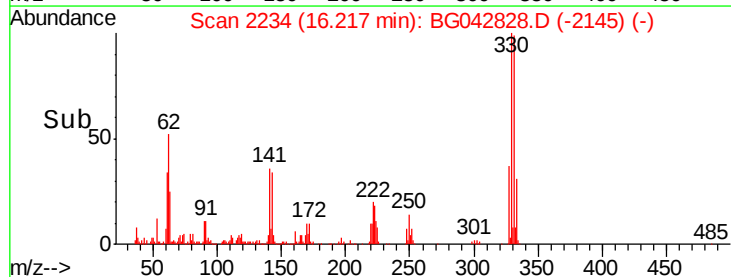
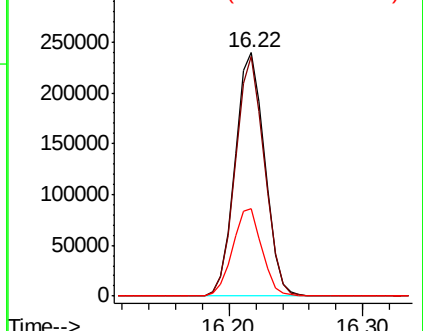
141 35.7 27.0 40.6

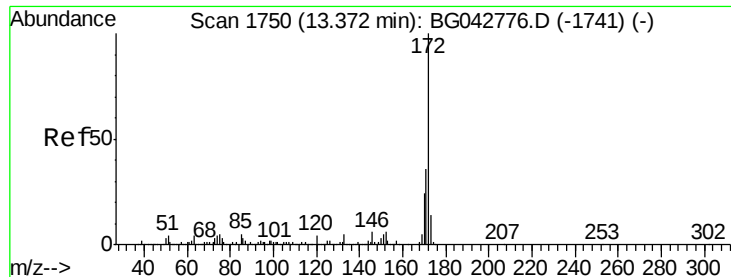


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 69.705 ng

RT: 13.36 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BG042828.D

Acq: 13 Sep 2019 22:22

Instrument :

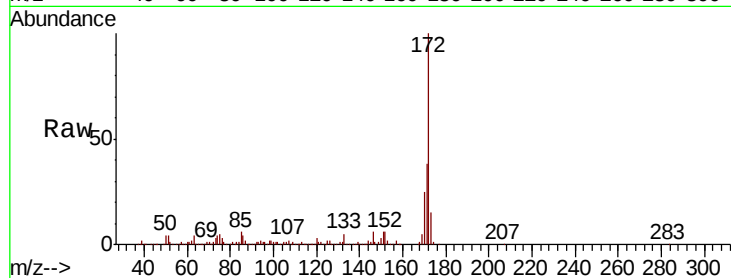
BNA\_G

ClientSampleId :

SP-2

Tot Ion:172 Resp: 1151755

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 38.0  | 28.9  | 43.3  |
| 170 | 24.8  | 19.1  | 28.7  |

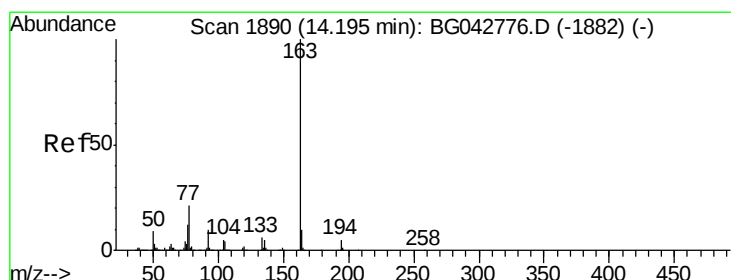
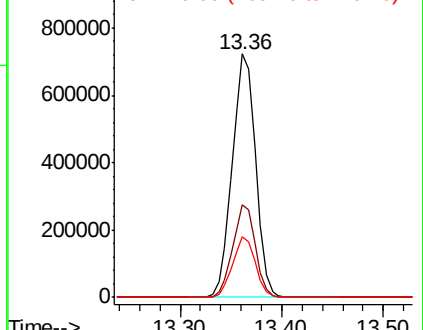
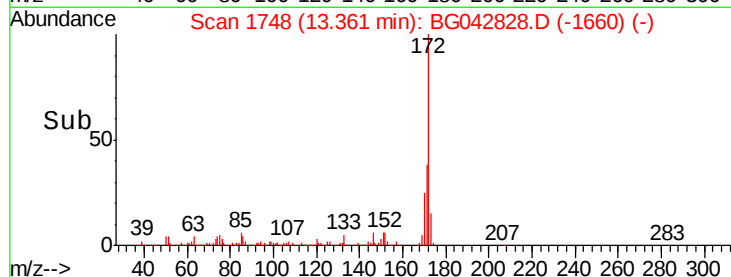


Abundance

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



#50

Dimethylphthalate

Concen: 5.122 ng

RT: 14.18 min Scan# 1887

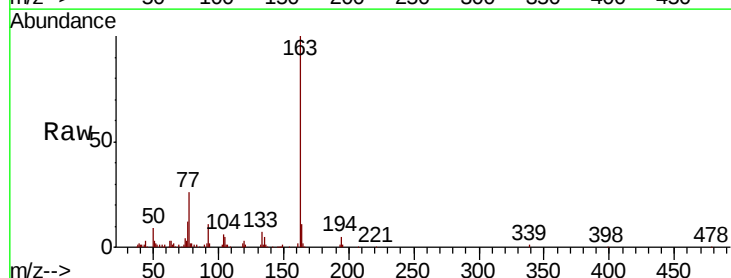
Delta R.T. -0.02 min

Lab File: BG042828.D

Acq: 13 Sep 2019 22:22

Tgt Ion:163 Resp: 100357

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.6   | 4.2   | 6.4   |
| 164 | 10.8  | 8.4   | 12.6  |

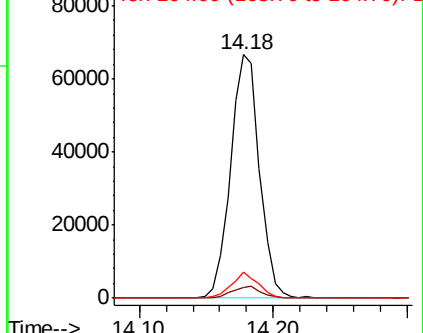
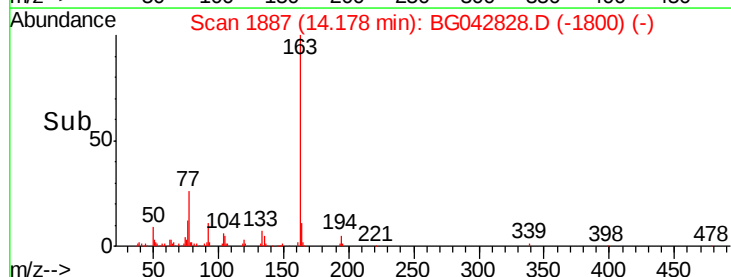


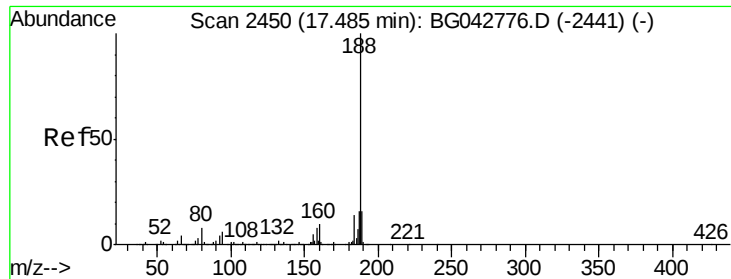
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BG042828.D

Acq: 13 Sep 2019 22:22

Instrument :

BNA\_G

ClientSampleId :

SP-2

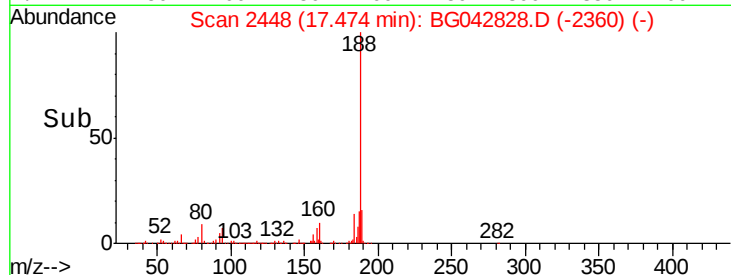
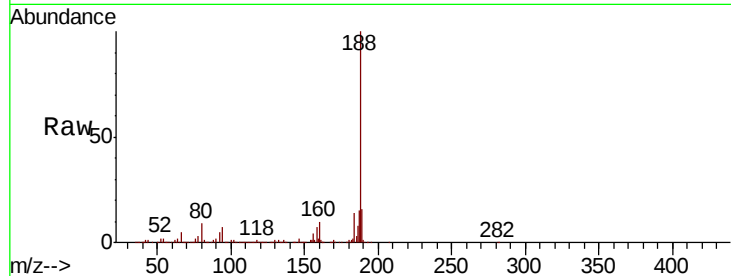
Tot Ion:188 Resp: 570700

Ion Ratio Lower Upper

188 100

94 7.3 4.8 7.2#

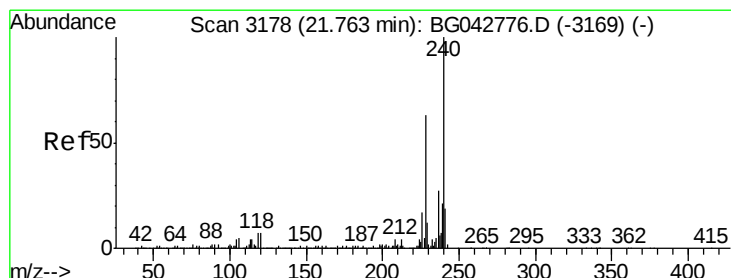
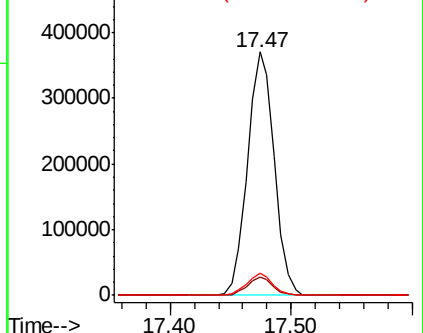
80 8.9 6.6 9.8



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: 21.75 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BG042828.D

Acq: 13 Sep 2019 22:22

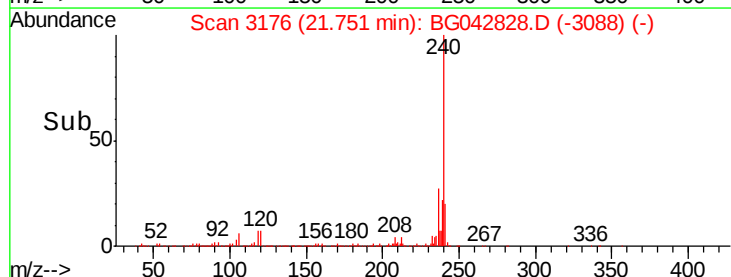
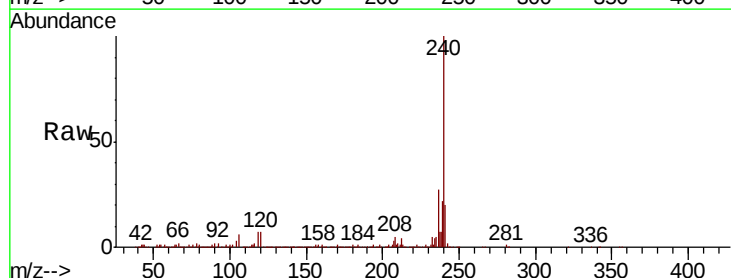
Tgt Ion:240 Resp: 537352

Ion Ratio Lower Upper

240 100

120 6.7 5.4 8.2

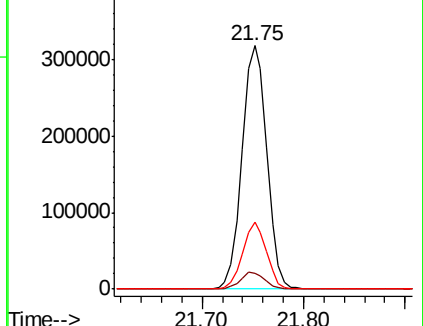
236 27.3 21.7 32.5

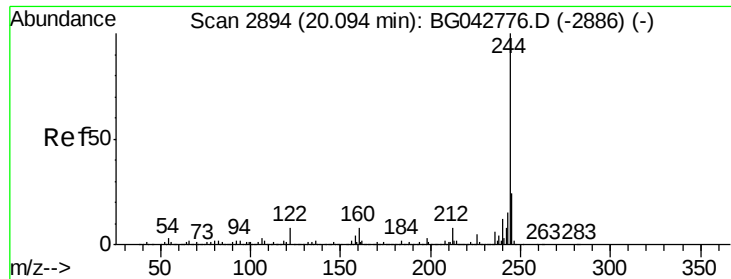


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

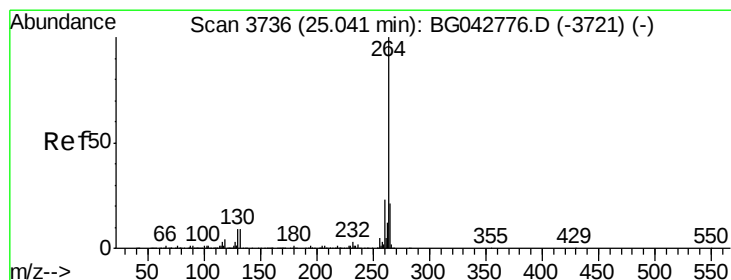
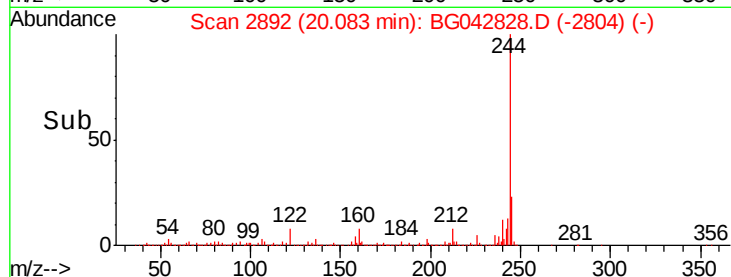
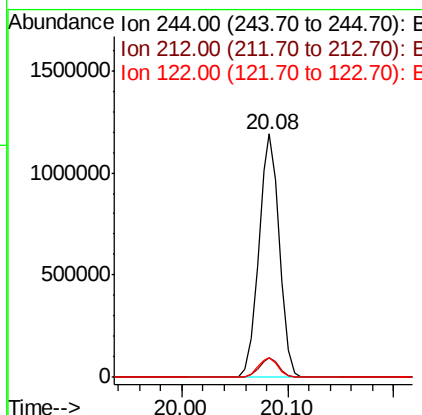
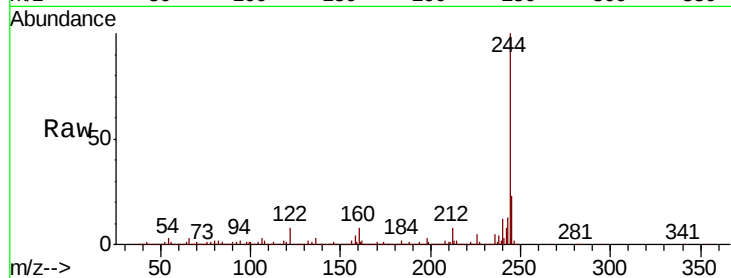




#79  
 Terphenyl-d14  
 Concen: 66.341 ng  
 RT: 20.08 min Scan# 2892  
 Delta R.T. -0.01 min  
 Lab File: BG042828.D  
 Acq: 13 Sep 2019 22:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP-2

Tot Ion:244 Resp: 1608488  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 6.6 10.0  
 122 7.9 6.2 9.4



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.02 min Scan# 3733  
 Delta R.T. -0.02 min  
 Lab File: BG042828.D  
 Acq: 13 Sep 2019 22:22

Tgt Ion:264 Resp: 600633  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 18.2 27.2  
 265 22.9 16.9 25.3

