

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090619\  
 Data File : BG042762.D  
 Acq On : 7 Sep 2019 00:20  
 Operator : HP/JU  
 Sample : K4522-05  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BOTTOM-5

Quant Time: Sep 07 02:12:08 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

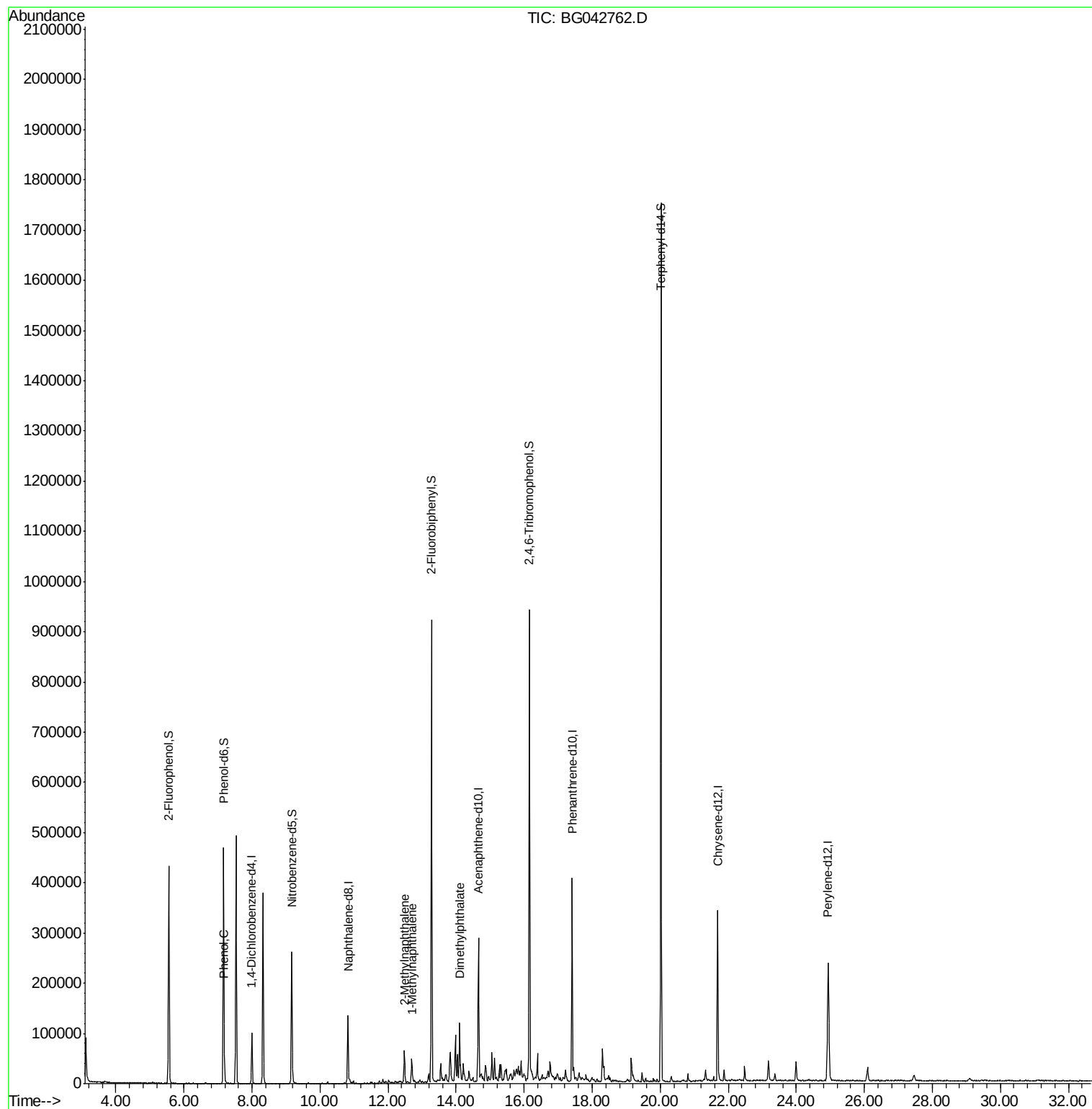
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.00  | 152  | 34952    | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 10.82 | 136  | 137573   | 20.00  | ng    | 0.00        |
| 39) Acenaphthene-d10        | 14.66 | 164  | 109040   | 20.00  | ng    | 0.00        |
| 64) Phenanthrene-d10        | 17.41 | 188  | 276703   | 20.00  | ng    | 0.00        |
| 76) Chrysene-d12            | 21.69 | 240  | 232187   | 20.00  | ng    | 0.00        |
| 87) Perylene-d12            | 24.94 | 264  | 275440   | 20.00  | ng    | 0.00        |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.55  | 112  | 220882   | 127.99 | ng    | 0.00        |
| 7) Phenol-d6                | 7.16  | 99   | 304851   | 130.77 | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 9.17  | 82   | 169604   | 85.19  | ng    | 0.00        |
| 42) 2,4,6-Tribromophenol    | 16.15 | 330  | 236795   | 152.79 | ng    | 0.00        |
| 45) 2-Fluorobiphenyl        | 13.28 | 172  | 536347   | 83.19  | ng    | 0.00        |
| 79) Terphenyl-d14           | 20.02 | 244  | 962413   | 89.61  | ng    | 0.00        |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 7.19  | 94   | 6091     | 2.570  | ng    | Qvalue # 71 |
| 37) 2-Methylnaphthalene     | 12.48 | 142  | 37216    | 7.257  | ng    | 99          |
| 38) 1-Methylnaphthalene     | 12.70 | 142  | 25597    | 5.254  | ng    | 99          |
| 50) Dimethylphthalate       | 14.10 | 163  | 92954    | 11.815 | ng    | 99          |

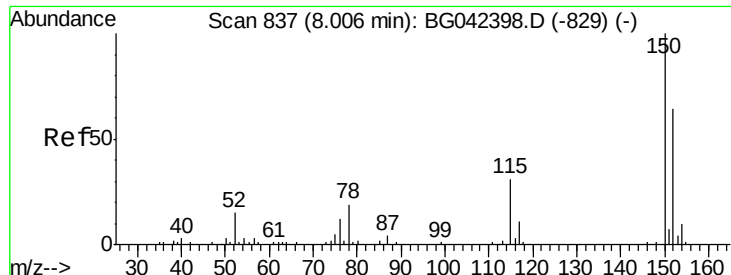
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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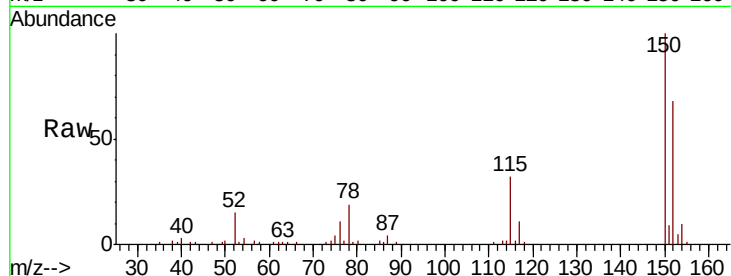


#1

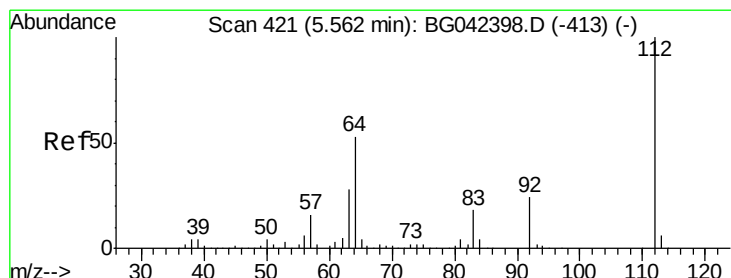
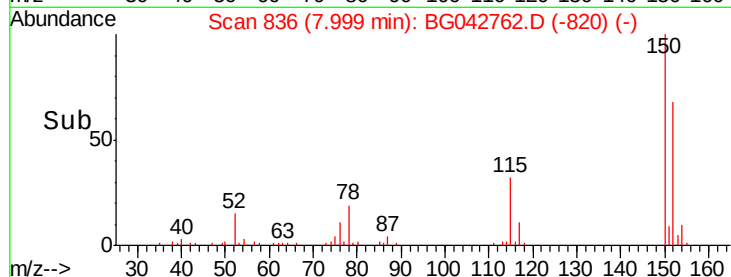
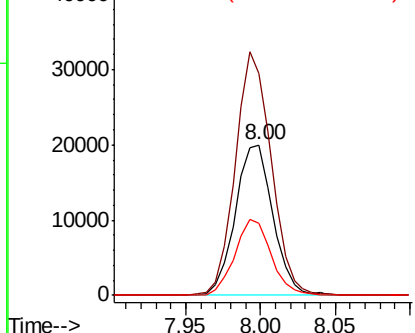
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.00 min Scan# 836  
Delta R.T. -0.01 min  
Lab File: BG042762.D  
Acq: 7 Sep 2019 00:20

Instrument :  
BNA\_G  
ClientSampleId :  
BOTTOM-5

Tot Ion:152 Resp: 34952  
Ion Ratio Lower Upper  
152 100  
150 147.1 125.4 188.0  
115 47.6 38.5 57.7



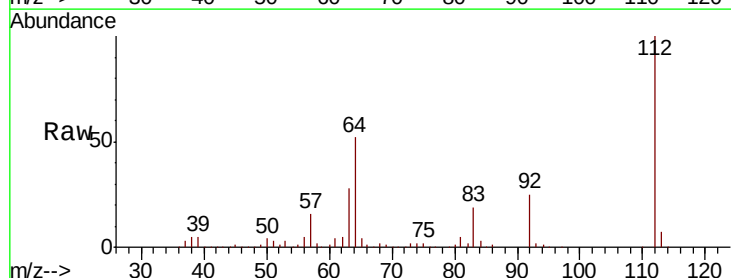
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



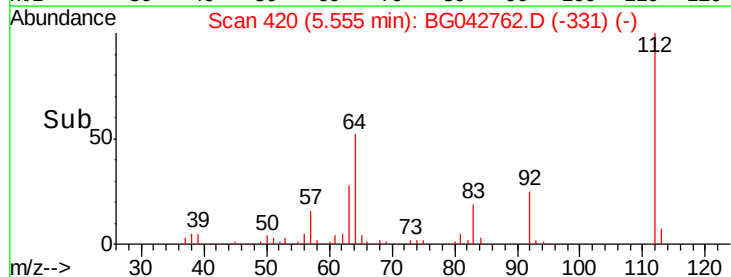
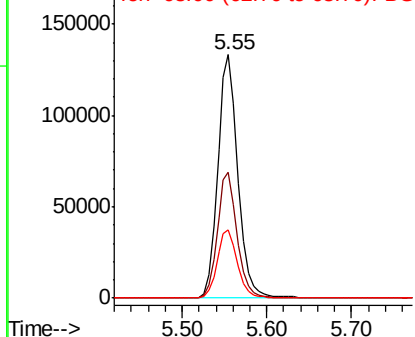
#5

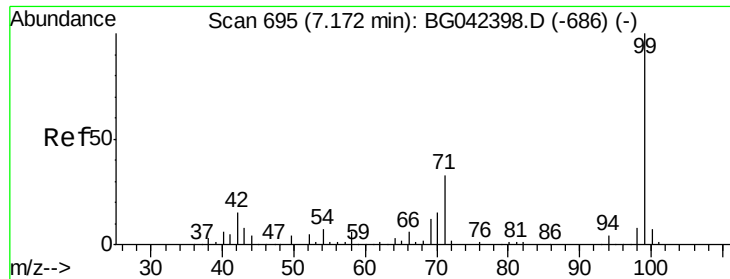
2-Fluorophenol  
Concen: 127.990 ng  
RT: 5.55 min Scan# 420  
Delta R.T. -0.01 min  
Lab File: BG042762.D  
Acq: 7 Sep 2019 00:20

Tgt Ion:112 Resp: 220882  
Ion Ratio Lower Upper  
112 100  
64 51.8 42.8 64.2  
63 28.1 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: 130.774 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042762.D

Acq: 7 Sep 2019 00:20

Instrument :

BNA\_G

ClientSampleId :

BOTTOM-5

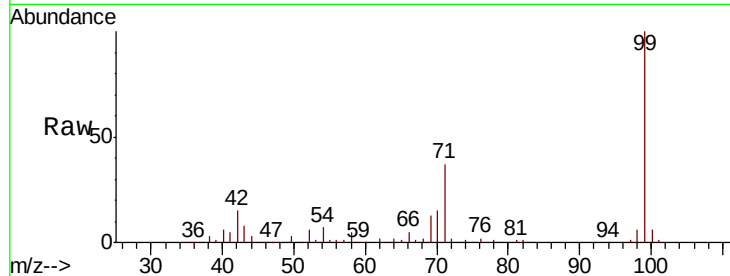
Tot Ion: 99 Resp: 304851

Ion Ratio Lower Upper

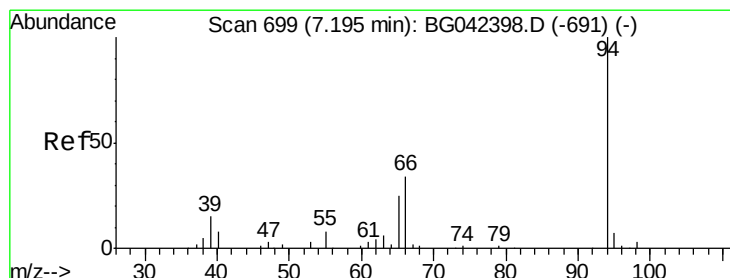
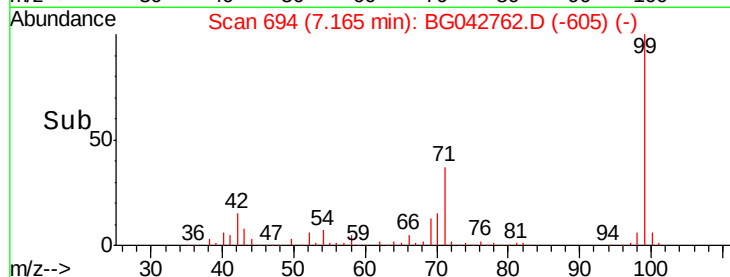
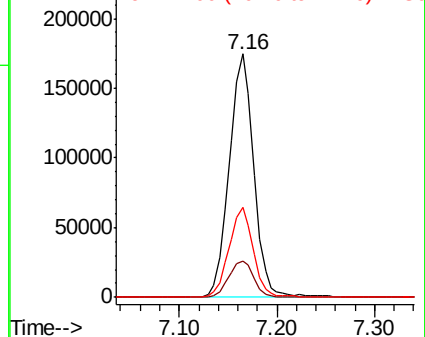
99 100

42 15.1 12.0 18.0

71 36.9 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



#10

Phenol

Concen: 2.570 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042762.D

Acq: 7 Sep 2019 00:20

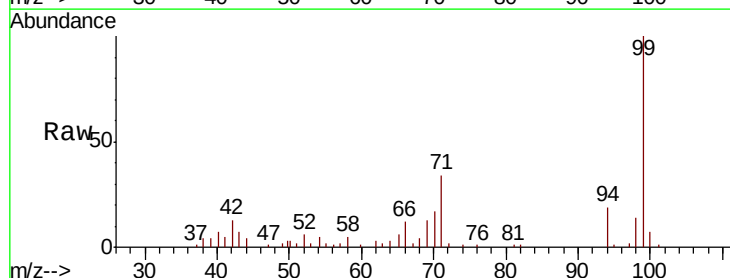
Tgt Ion: 94 Resp: 6091

Ion Ratio Lower Upper

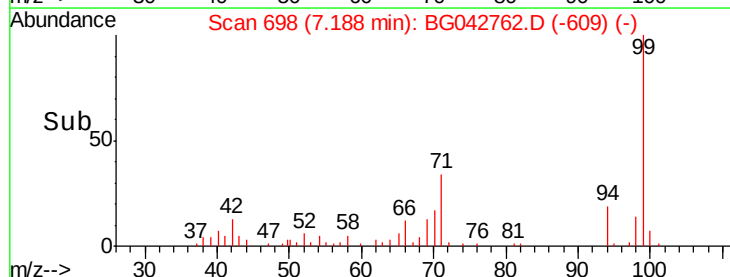
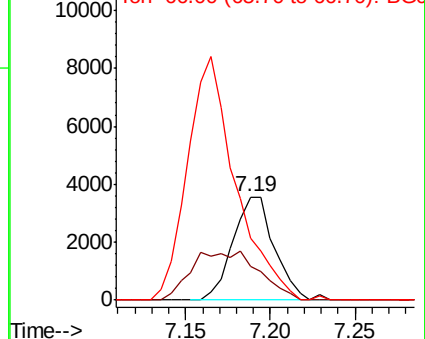
94 100

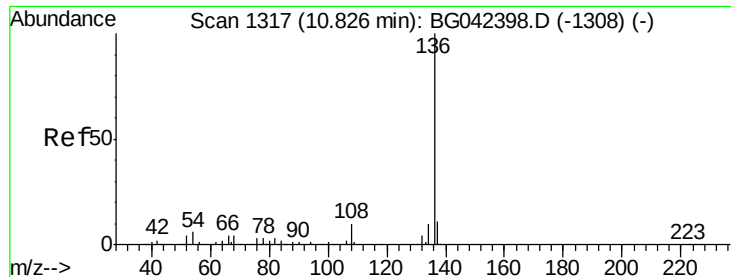
65 32.5 5.6 45.6

66 59.9 16.0 56.0#



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

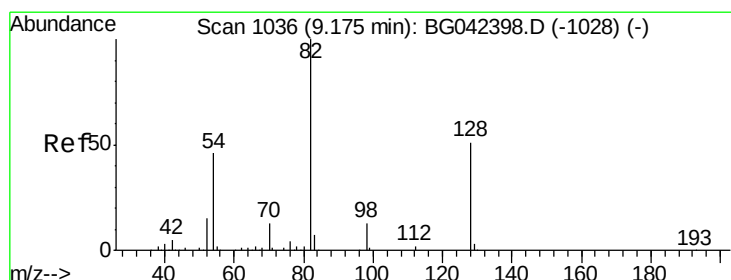
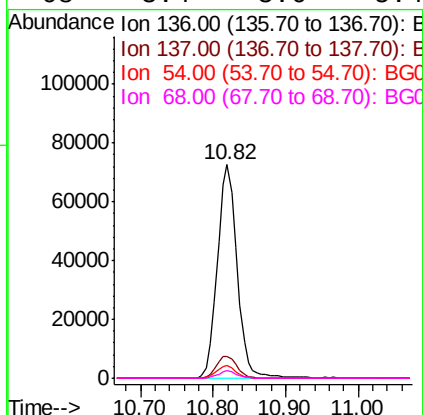
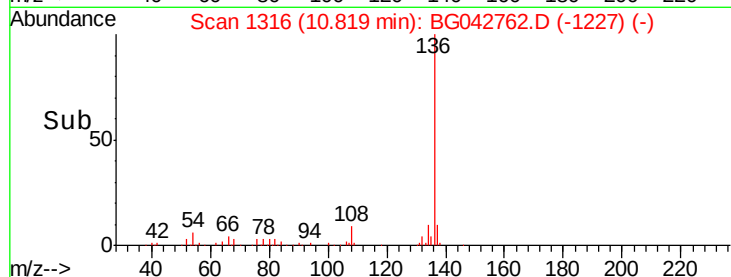
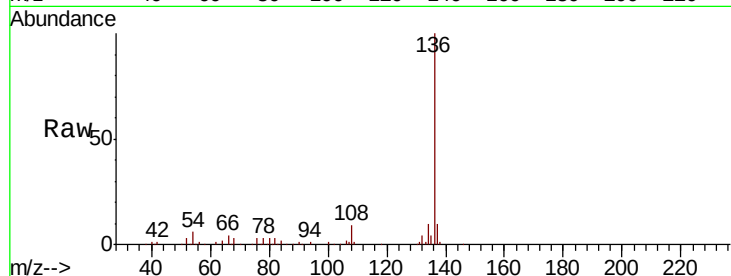




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.82 min Scan# 1316  
Delta R.T. -0.01 min  
Lab File: BG042762.D  
Acq: 7 Sep 2019 00:20

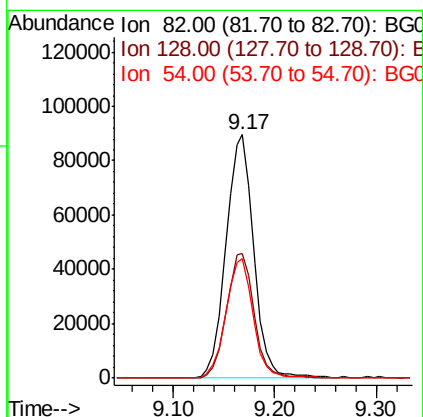
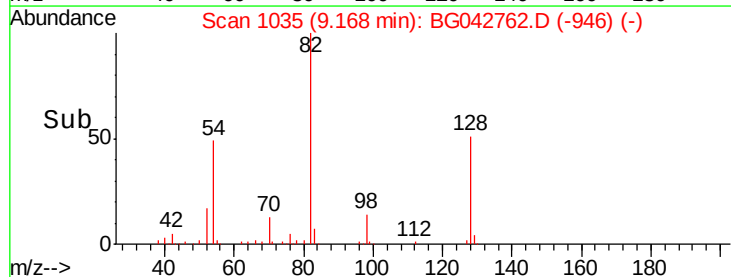
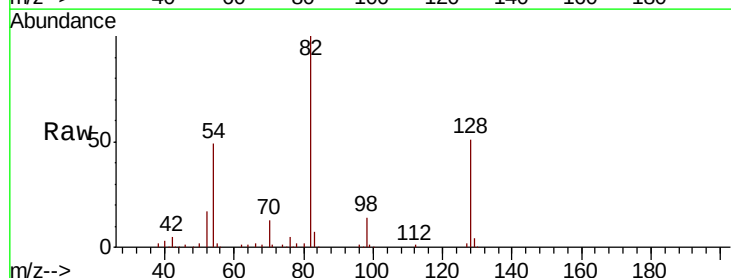
Instrument :  
BNA\_G  
ClientSampled :  
BOTTOM-5

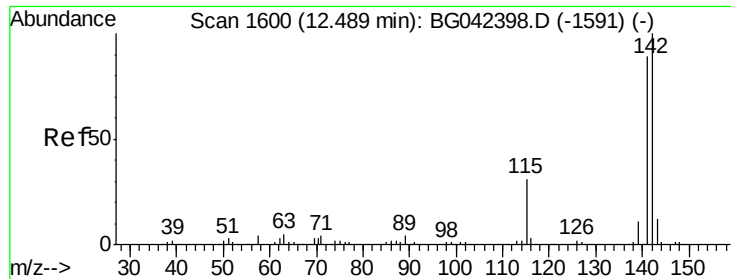
|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 137573 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 10.0    | 8.7   | 13.1   |  |
| 54 6.2      | 4.9   | 7.3    |  |
| 68 3.4      | 3.6   | 5.4#   |  |



#23  
Nitrobenzene-d5  
Concen: 85.193 ng  
RT: 9.17 min Scan# 1035  
Delta R.T. -0.01 min  
Lab File: BG042762.D  
Acq: 7 Sep 2019 00:20

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 169604 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 51.2    | 40.7 61.1    |
| 54 49.1     | 36.3 54.5    |

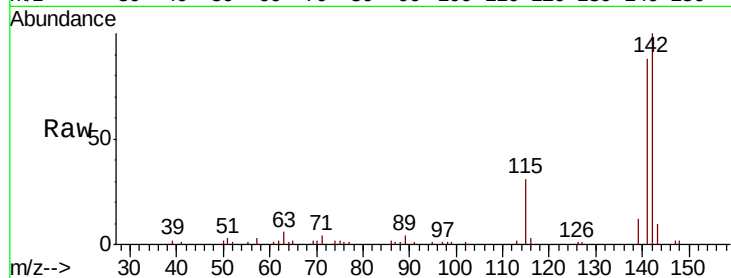




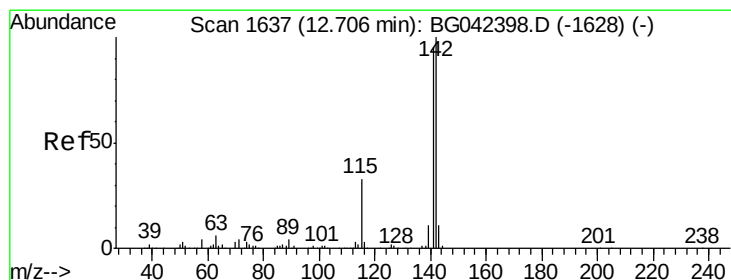
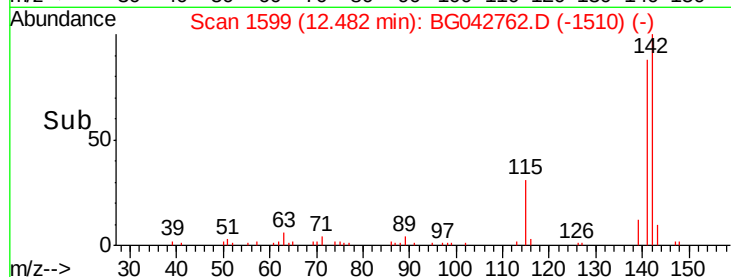
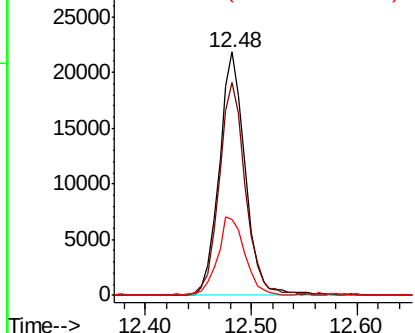
#37  
2-Methylnaphthalene  
Concen: 7.257 ng  
RT: 12.48 min Scan# 1599  
Delta R.T. -0.01 min  
Lab File: BG042762.D  
Acq: 7 Sep 2019 00:20

Instrument :  
BNA\_G  
ClientSampleId :  
BOTTOM-5

Tot Ion:142 Resp: 37216  
Ion Ratio Lower Upper  
142 100  
141 87.5 71.4 107.2  
115 31.4 25.2 37.8

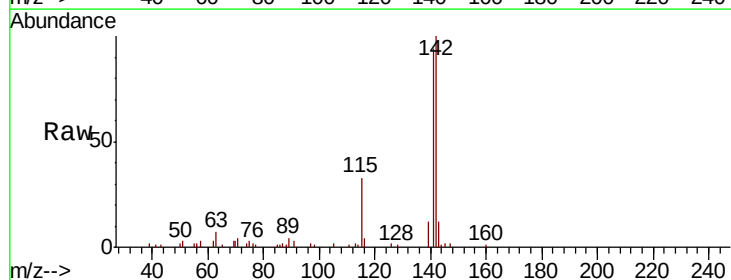


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

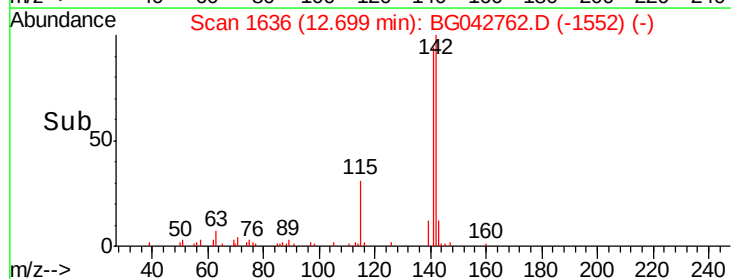
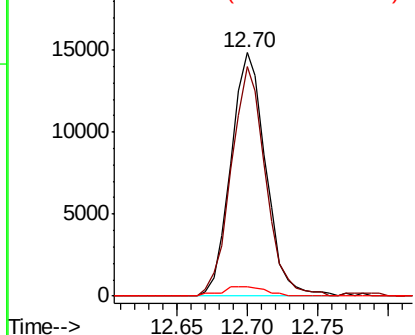


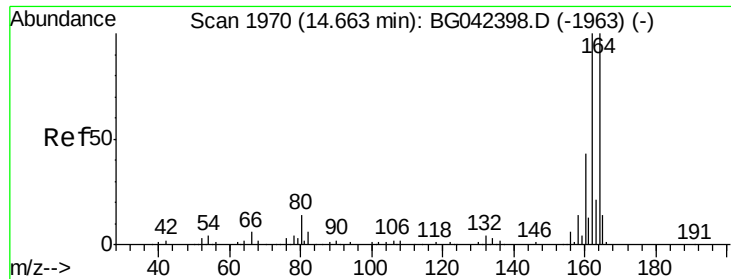
#38  
1-Methylnaphthalene  
Concen: 5.254 ng  
RT: 12.70 min Scan# 1636  
Delta R.T. -0.01 min  
Lab File: BG042762.D  
Acq: 7 Sep 2019 00:20

Tgt Ion:142 Resp: 25597  
Ion Ratio Lower Upper  
142 100  
141 94.3 76.2 114.2  
116 4.1 2.8 4.2



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG042762.D

Acq: 7 Sep 2019 00:20

Instrument :

BNA\_G

ClientSampleId :

BOTTOM-5

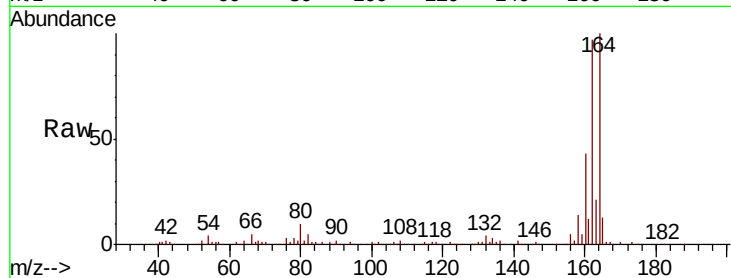
Tot Ion:164 Resp: 109040

Ion Ratio Lower Upper

164 100

162 97.5 79.9 119.9

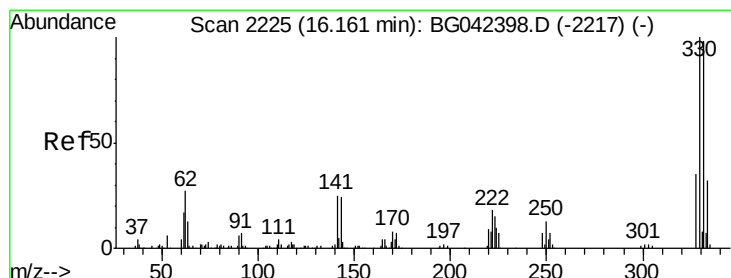
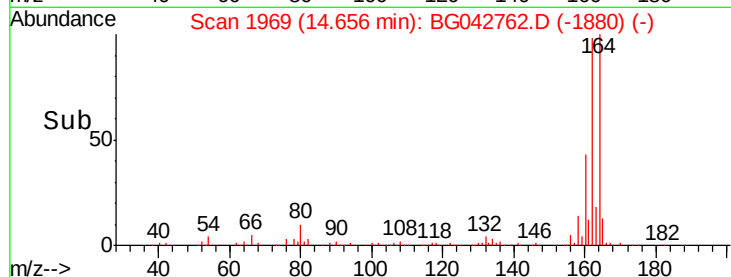
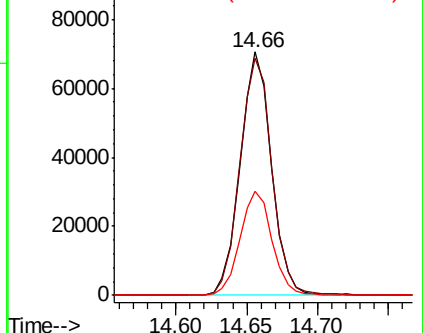
160 42.6 34.3 51.5



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: 152.788 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042762.D

Acq: 7 Sep 2019 00:20

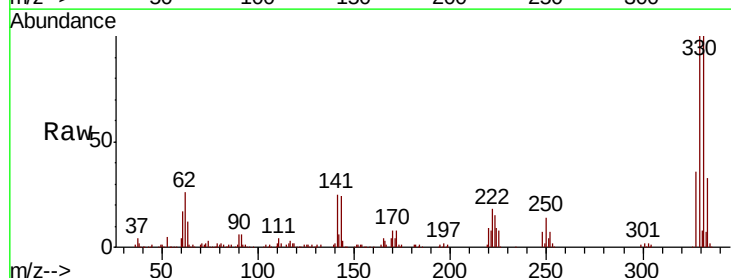
Tgt Ion:330 Resp: 236795

Ion Ratio Lower Upper

330 100

332 97.4 77.4 116.0

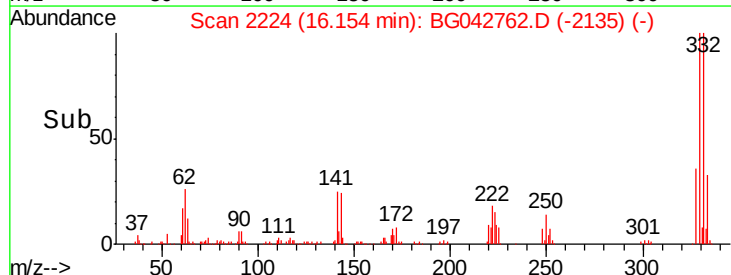
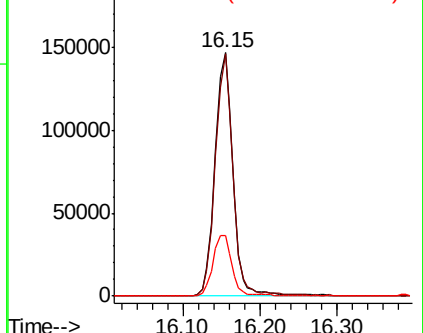
141 25.5 21.4 32.0

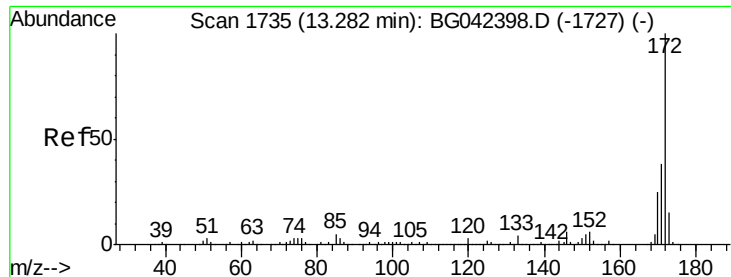


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

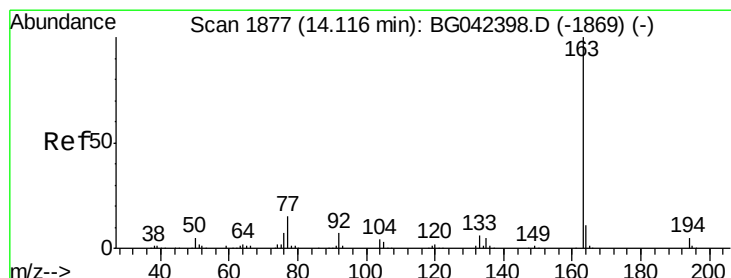
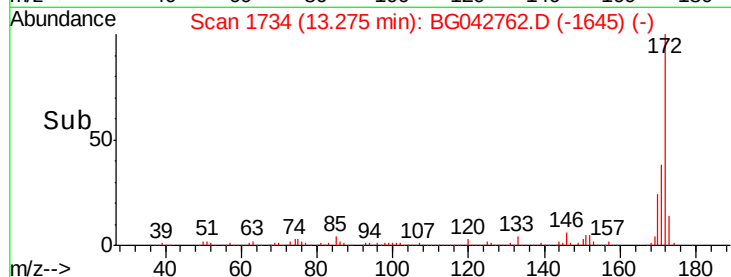
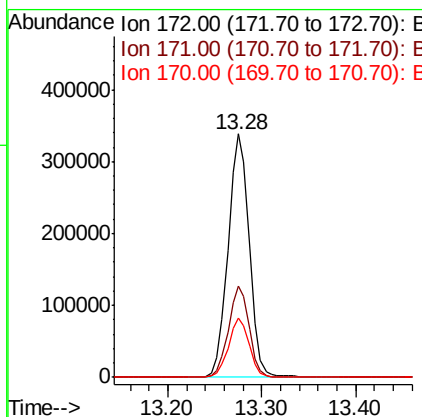
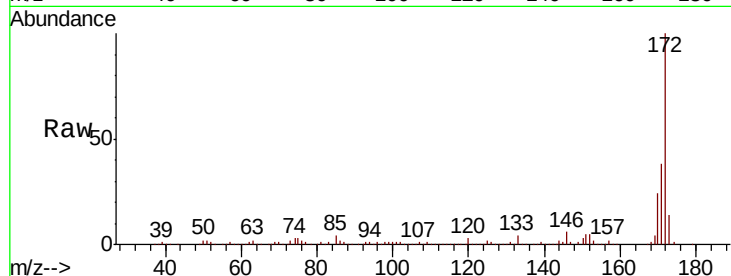




#45  
2-Fluorobiphenyl  
Concen: 83.191 ng  
RT: 13.28 min Scan# 1734  
Delta R.T. -0.01 min  
Lab File: BG042762.D  
Acq: 7 Sep 2019 00:20

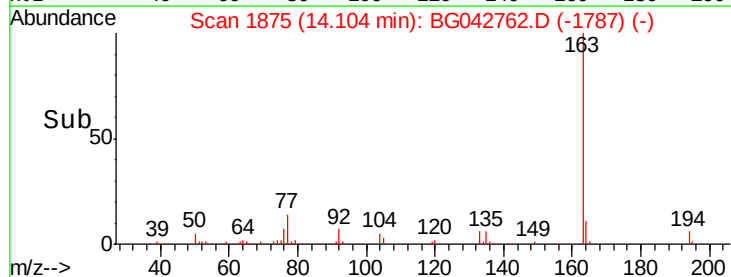
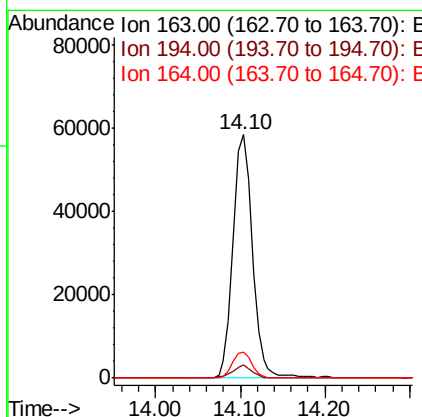
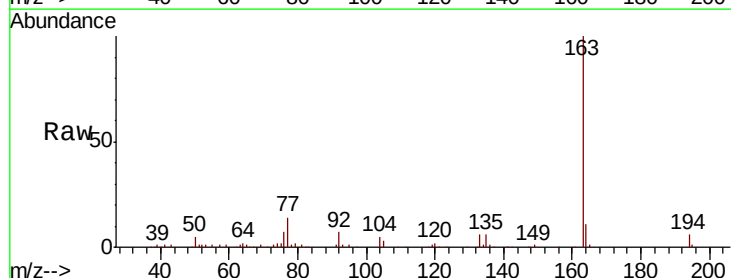
Instrument :  
BNA\_G  
ClientSampleId :  
BOTTOM-5

Tot Ion:172 Resp: 536347  
Ion Ratio Lower Upper  
172 100  
171 37.5 30.5 45.7  
170 24.4 20.2 30.2

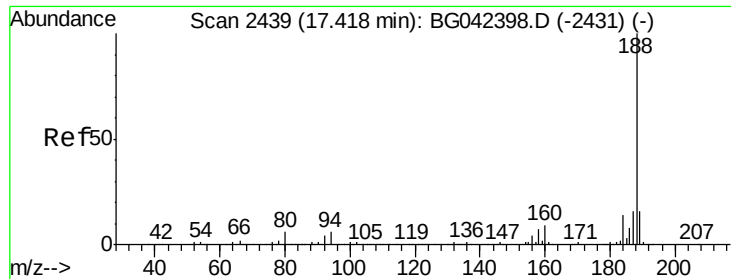


#50  
Dimethylphthalate  
Concen: 11.815 ng  
RT: 14.10 min Scan# 1875  
Delta R.T. -0.01 min  
Lab File: BG042762.D  
Acq: 7 Sep 2019 00:20

Tgt Ion:163 Resp: 92954  
Ion Ratio Lower Upper  
163 100  
194 5.7 4.2 6.2  
164 10.9 8.8 13.2



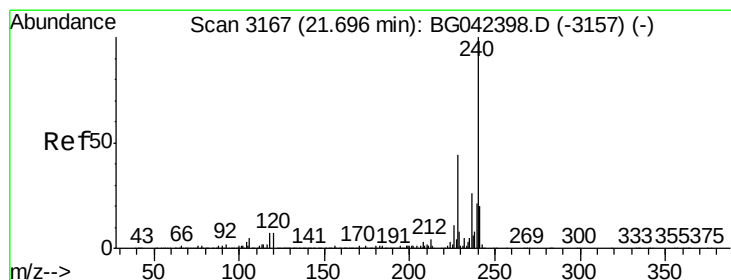
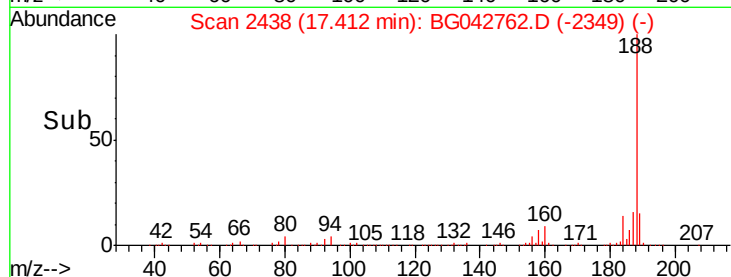
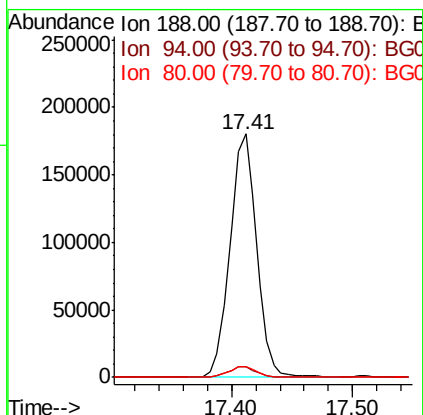
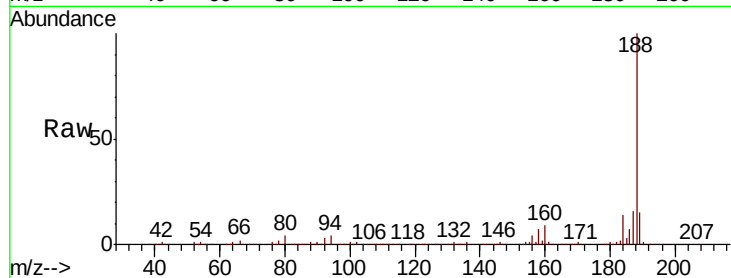




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.41 min Scan# 2438  
Delta R.T. -0.01 min  
Lab File: BG042762.D  
Acq: 7 Sep 2019 00:20

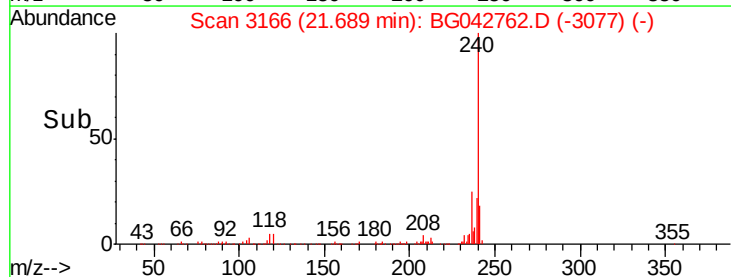
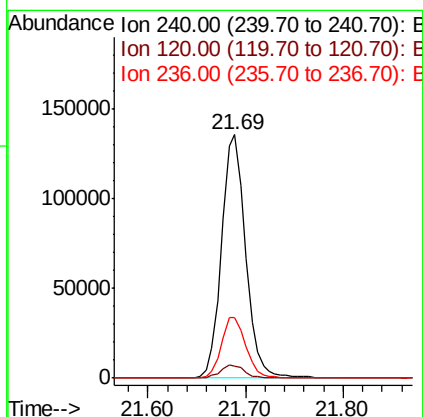
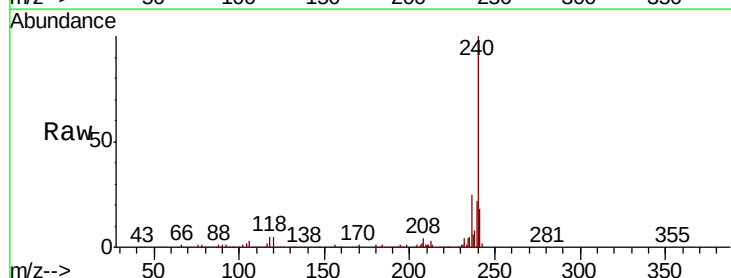
Instrument :  
BNA\_G  
ClientSampleId :  
BOTTOM-5

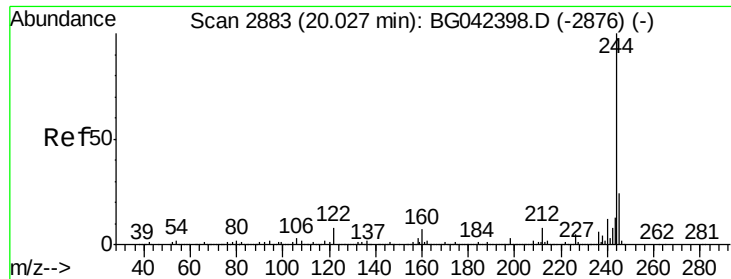
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 4.4   | 4.5   | 6.7#  |
| 80      | 4.3   | 4.9   | 7.3#  |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.69 min Scan# 3166  
Delta R.T. -0.01 min  
Lab File: BG042762.D  
Acq: 7 Sep 2019 00:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 5.0   | 5.7   | 8.5#  |
| 236     | 24.8  | 21.0  | 31.4  |





#79

Terphenyl-d14

Concen: 89.611 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042762.D

Acq: 7 Sep 2019 00:20

Instrument :

BNA\_G

ClientSampleId :

BOTTOM-5

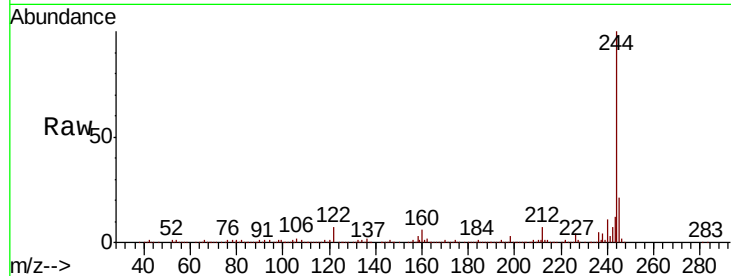
Tot Ion:244 Resp: 962413

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

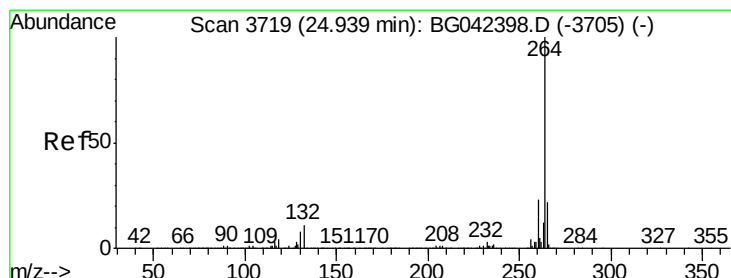
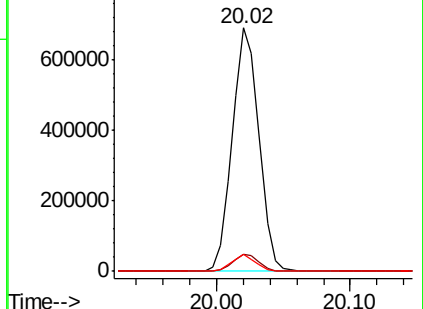
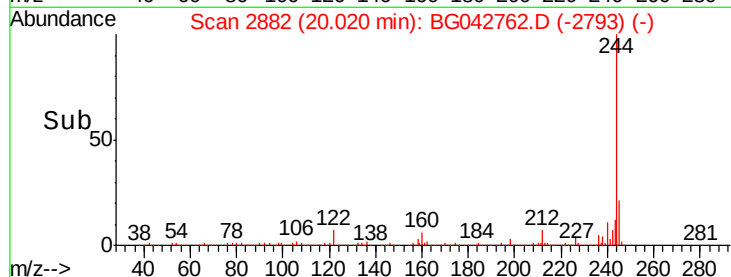
122 6.8 6.7 10.1



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: 24.94 min Scan# 3719

Delta R.T. -0.00 min

Lab File: BG042762.D

Acq: 7 Sep 2019 00:20

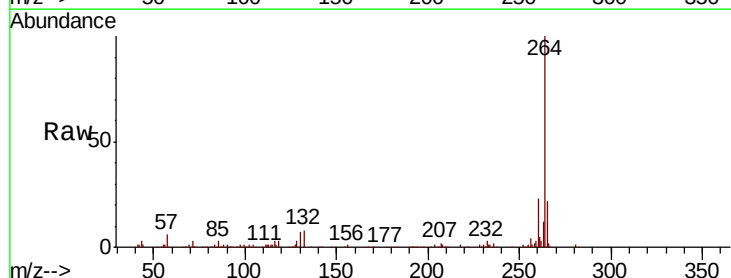
Tgt Ion:264 Resp: 275440

Ion Ratio Lower Upper

264 100

260 22.7 18.5 27.7

265 22.2 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

