

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG082919\  
 Data File : BG042578.D  
 Acq On : 29 Aug 2019 23:23  
 Operator : HP/JU  
 Sample : K4562-07  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-02-30-32

Quant Time: Aug 30 05:37:16 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

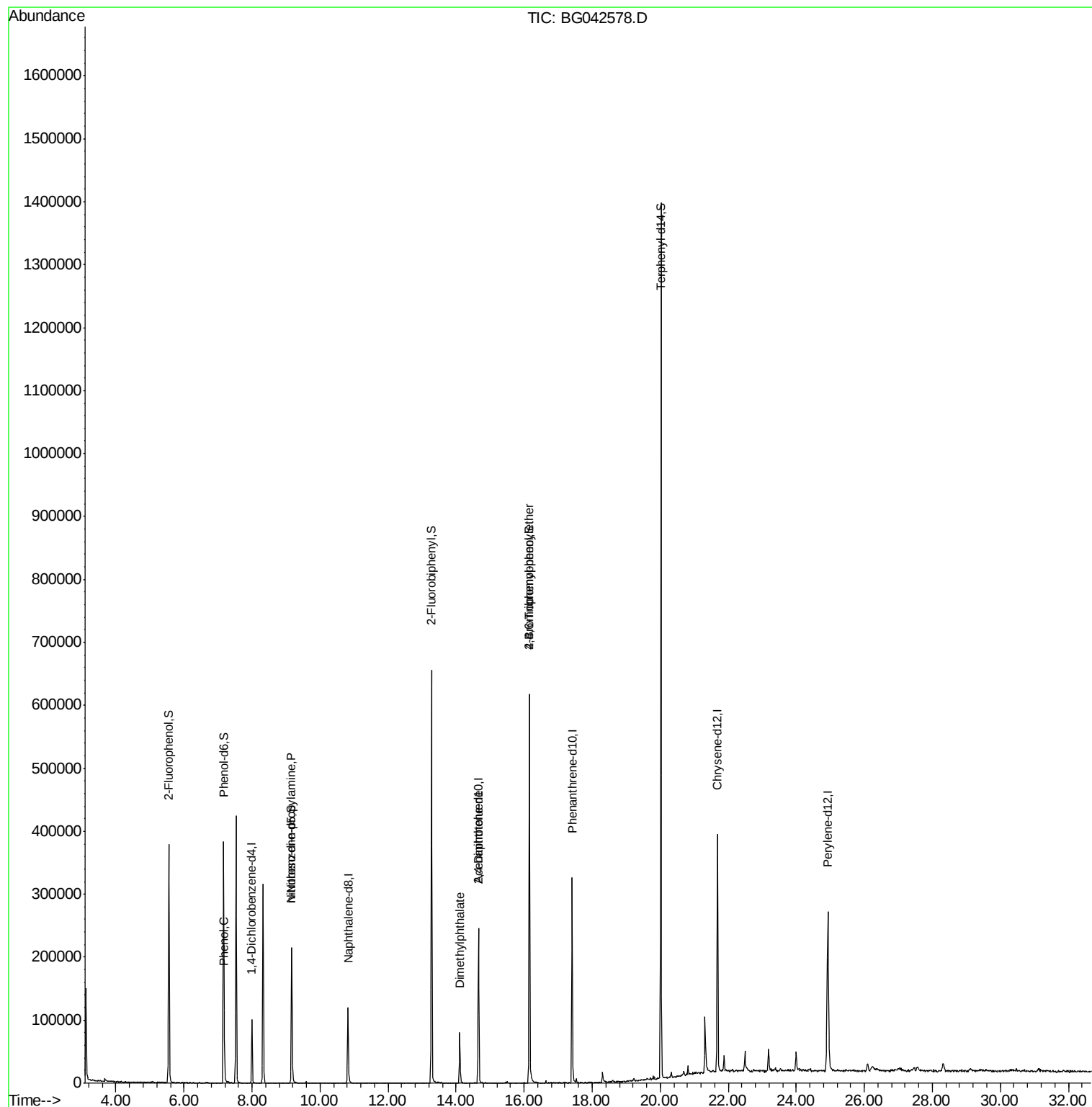
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.00  | 152  | 33069    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.82 | 136  | 129962   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.66 | 164  | 97925    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.41 | 188  | 239986   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.68 | 240  | 254884   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12               | 24.93 | 264  | 298602   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.56  | 112  | 192312   | 117.78 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.17  | 99   | 257701   | 116.84 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.16  | 82   | 144480   | 76.82  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 16.15 | 330  | 170340   | 122.38 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.28 | 172  | 403743   | 69.73  | ng    | 0.00     |
| 79) Terphenyl-d14              | 20.02 | 244  | 747071   | 63.37  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.19  | 94   | 17676    | 7.882  | ng    | 86       |
| 19) n-Nitroso-di-n-propylamine | 9.16  | 70   | 18397    | 12.875 | ng    | # 76     |
| 50) Dimethylphthalate          | 14.10 | 163  | 77533    | 10.973 | ng    | # 98     |
| 57) 2,4-Dinitrotoluene         | 14.66 | 165  | 13405    | 5.716  | ng    | # 38     |
| 67) 4-Bromophenyl-phenylether  | 16.15 | 248  | 11621    | 3.818  | ng    | # 1      |

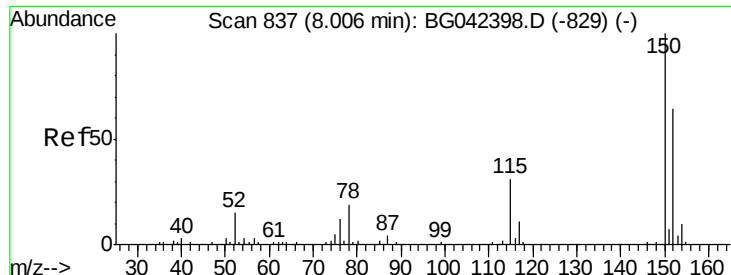
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG082919\  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 22 14:29:15 2019  
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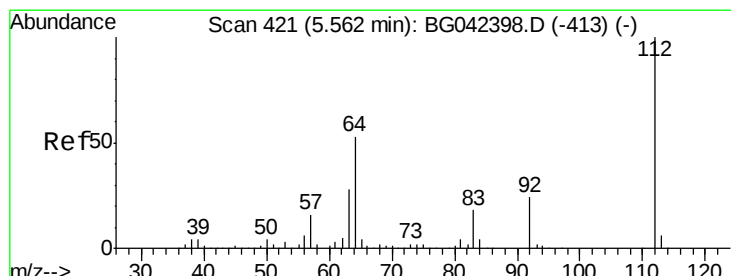
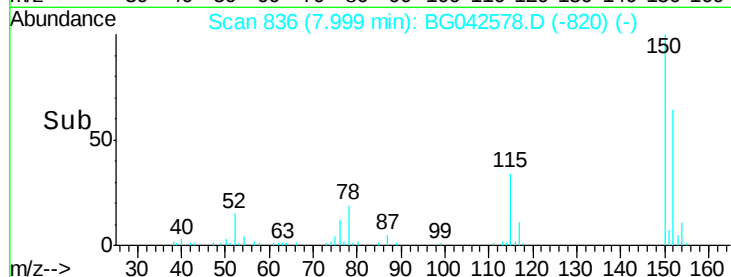
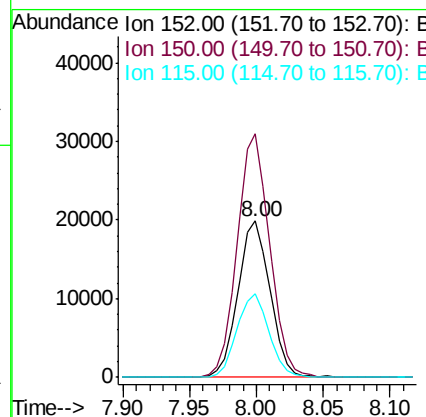
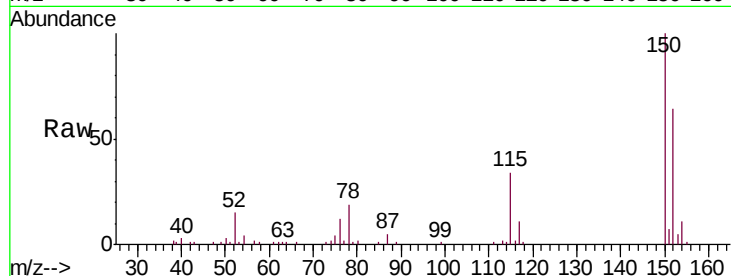




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.00 min Scan# 836  
 Delta R.T. -0.01 min  
 Lab File: BG042578.D  
 Acq: 29 Aug 2019 23:23

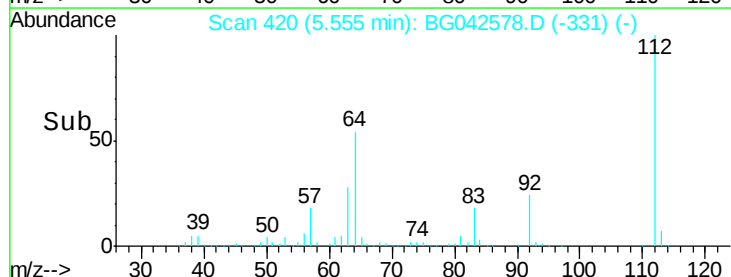
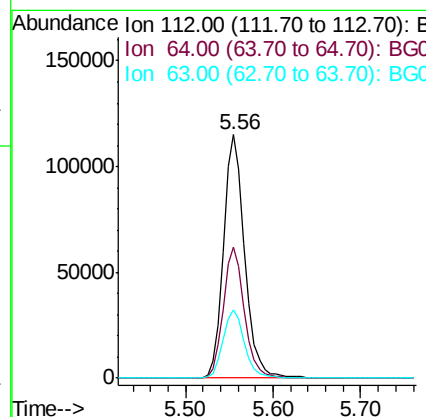
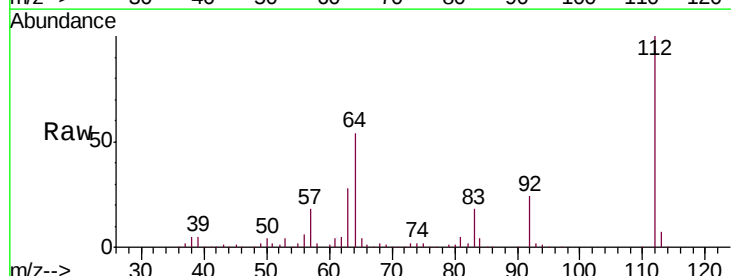
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-02-30-32

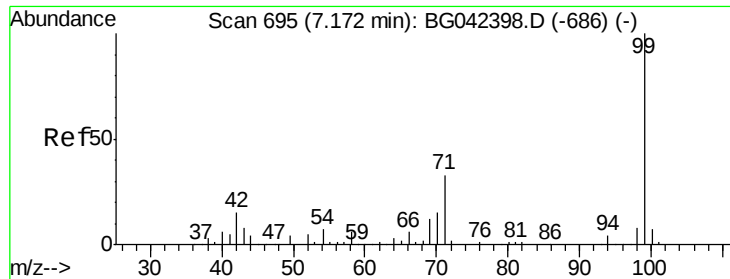
Tgt Ion:152 Resp: 33069  
 Ion Ratio Lower Upper  
 152 100  
 150 156.0 125.4 188.0  
 115 53.7 38.5 57.7



#5  
 2-Fluorophenol  
 Concen: 117.780 ng  
 RT: 5.56 min Scan# 420  
 Delta R.T. -0.01 min  
 Lab File: BG042578.D  
 Acq: 29 Aug 2019 23:23

Tgt Ion:112 Resp: 192312  
 Ion Ratio Lower Upper  
 112 100  
 64 53.8 42.8 64.2  
 63 28.2 22.7 34.1





#7

Phenol-d6

Concen: 116.842 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042578.D

Acq: 29 Aug 2019 23:23

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32

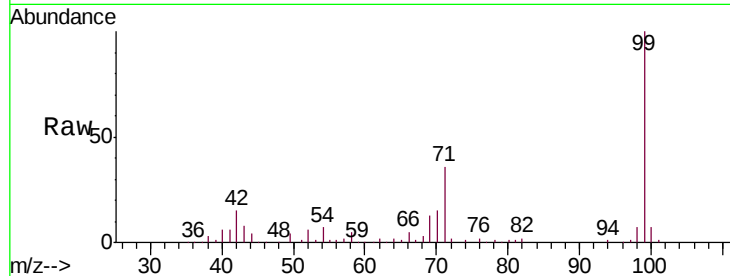
Tgt Ion: 99 Resp: 257701

Ion Ratio Lower Upper

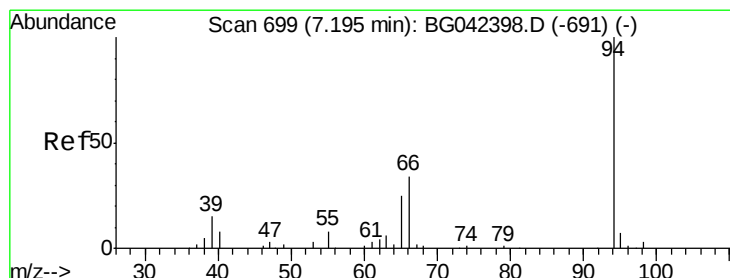
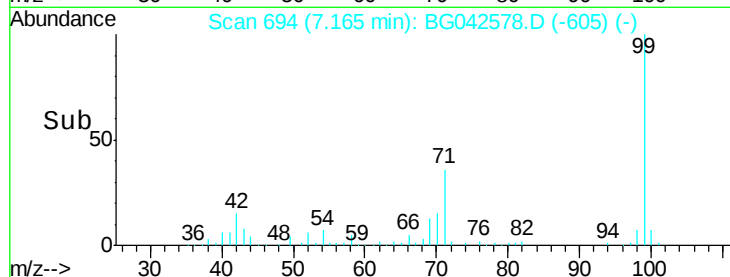
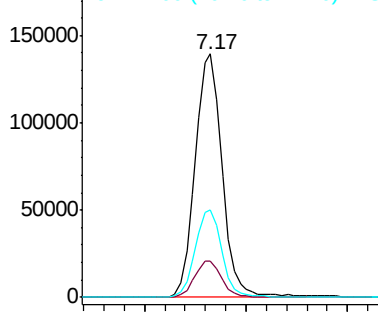
99 100

42 15.0 12.0 18.0

71 36.0 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: 7.882 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042578.D

Acq: 29 Aug 2019 23:23

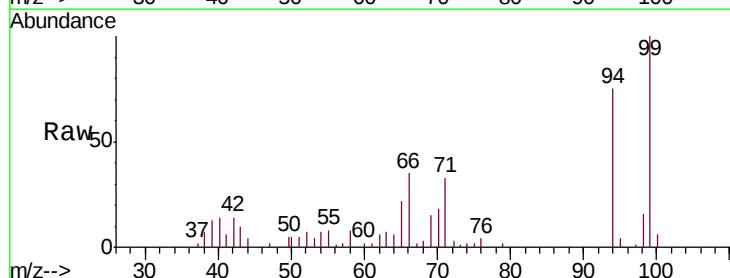
Tgt Ion: 94 Resp: 17676

Ion Ratio Lower Upper

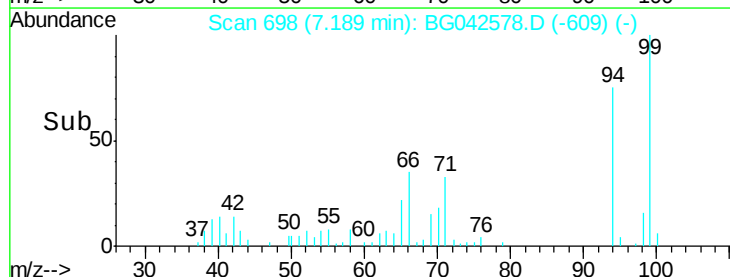
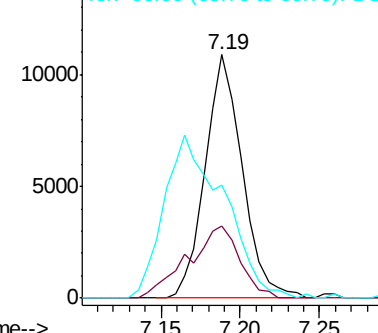
94 100

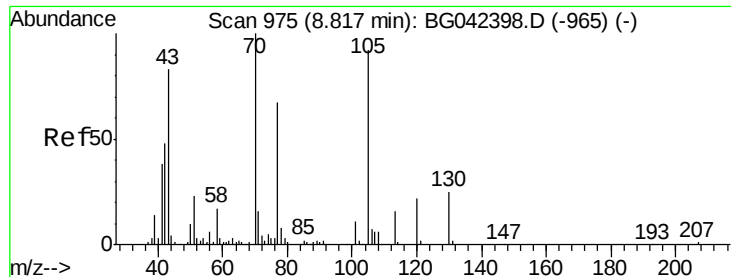
65 29.5 5.6 45.6

66 46.5 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

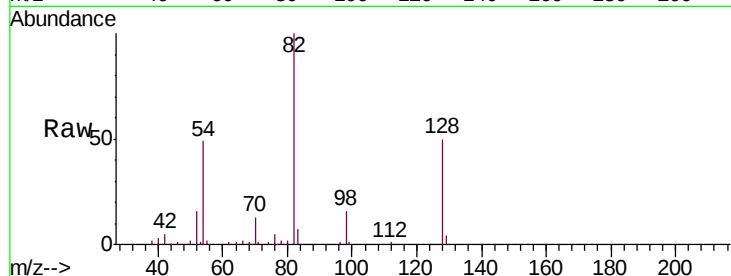




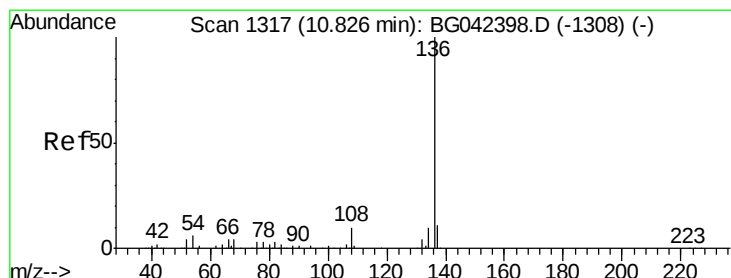
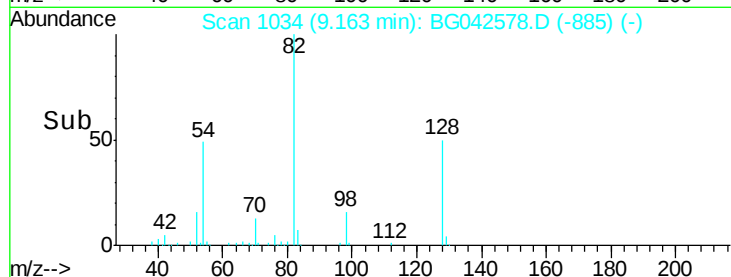
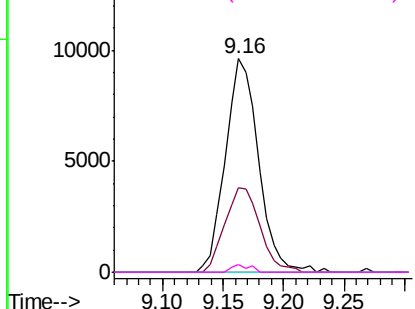
#19  
n-Nitroso-di-n-propylamine  
Concen: 12.875 ng  
RT: 9.16 min Scan# 1034  
Delta R.T. 0.35 min  
Lab File: BG042578.D  
Acq: 29 Aug 2019 23:23

Instrument :  
BNA\_G  
ClientSampleId :  
SB-02-30-32

Tgt Ion: 70 Resp: 18397  
Ion Ratio Lower Upper  
70 100  
42 39.5 38.8 58.2  
101 0.0 9.0 13.6#  
130 3.6 20.0 30.0#



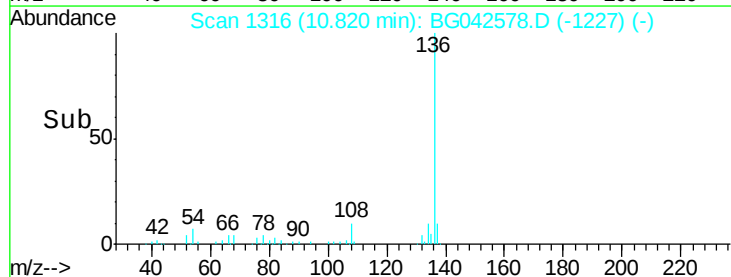
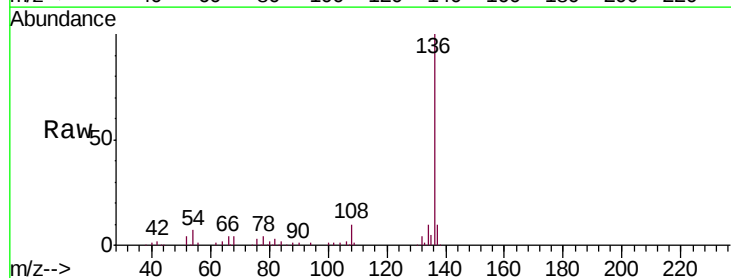
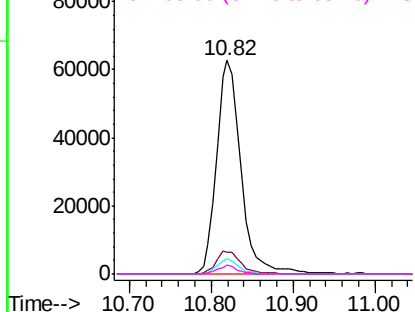
Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

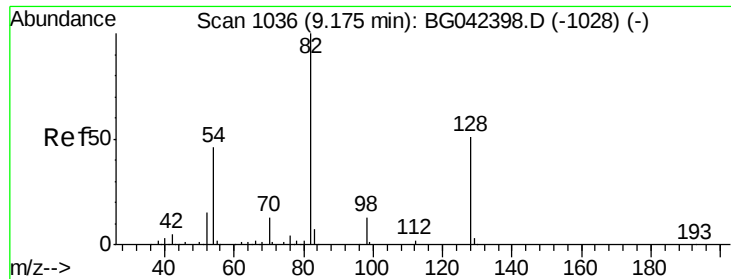


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.82 min Scan# 1316  
Delta R.T. -0.01 min  
Lab File: BG042578.D  
Acq: 29 Aug 2019 23:23

Tgt Ion: 136 Resp: 129962  
Ion Ratio Lower Upper  
136 100  
137 10.2 8.7 13.1  
54 6.9 4.9 7.3  
68 4.0 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

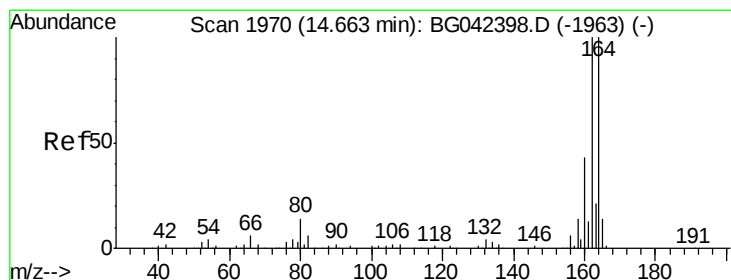
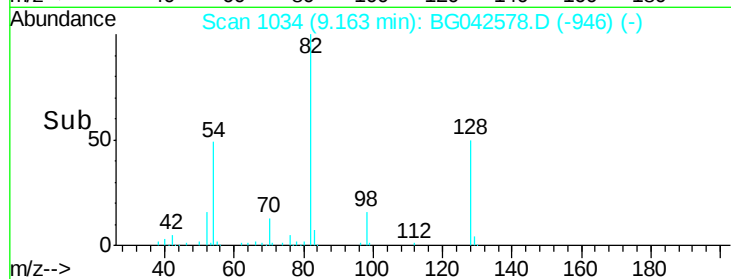
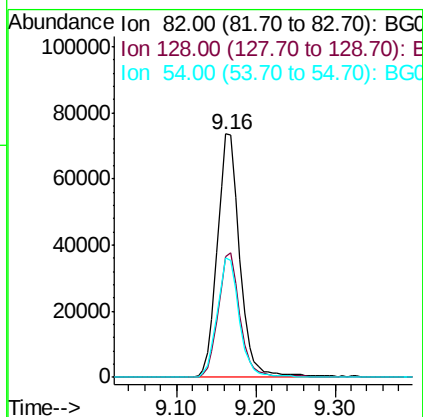
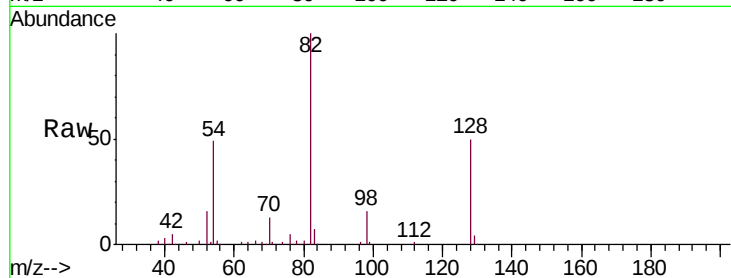




#23  
Nitrobenzene-d5  
Concen: 76.824 ng  
RT: 9.16 min Scan# 1034  
Delta R.T. -0.01 min  
Lab File: BG042578.D  
Acq: 29 Aug 2019 23:23

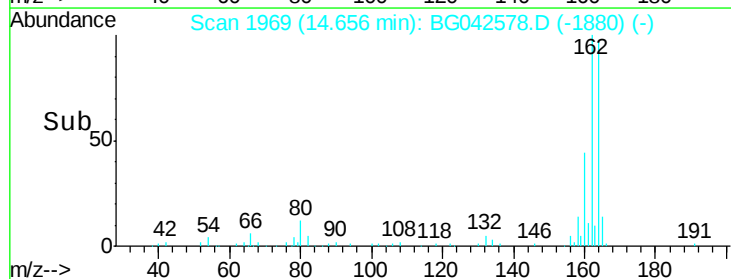
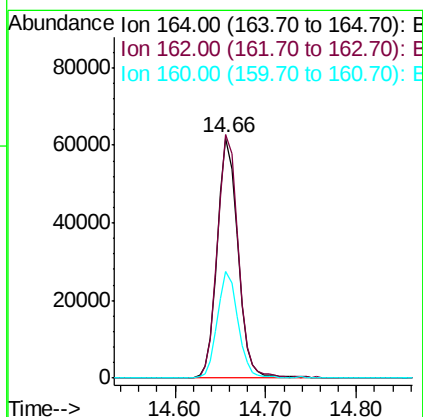
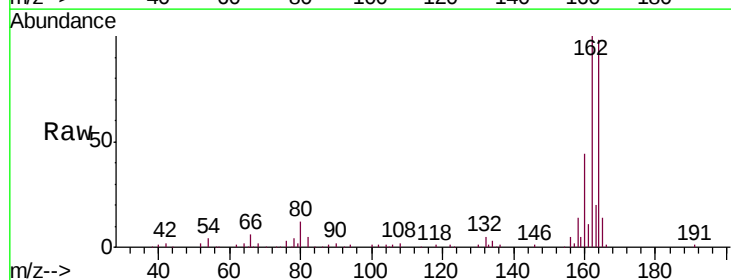
Instrument :  
BNA\_G  
ClientSampleId :  
SB-02-30-32

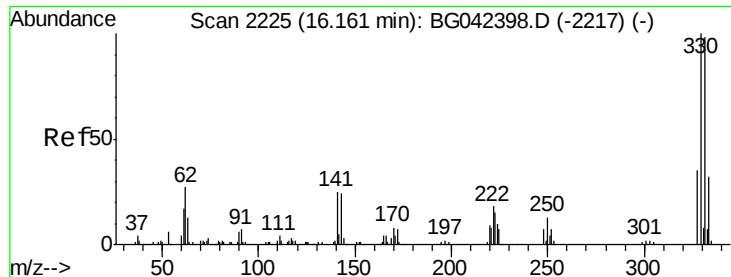
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 49.6  | 40.7  | 61.1  |
| 54      | 49.0  | 36.3  | 54.5  |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.66 min Scan# 1969  
Delta R.T. -0.01 min  
Lab File: BG042578.D  
Acq: 29 Aug 2019 23:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.5 | 79.9  | 119.9 |
| 160     | 44.7  | 34.3  | 51.5  |





#42

2,4,6-Tribromophenol

Concen: 122.384 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042578.D

Acq: 29 Aug 2019 23:23

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32

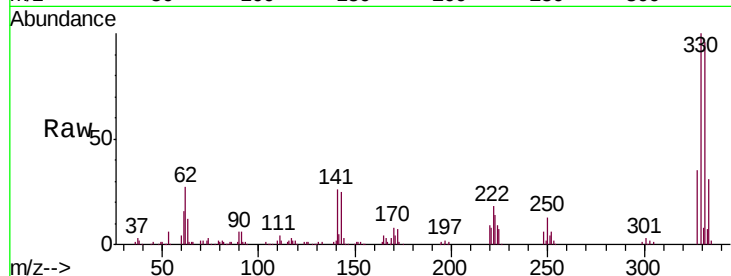
Tgt Ion:330 Resp: 170340

Ion Ratio Lower Upper

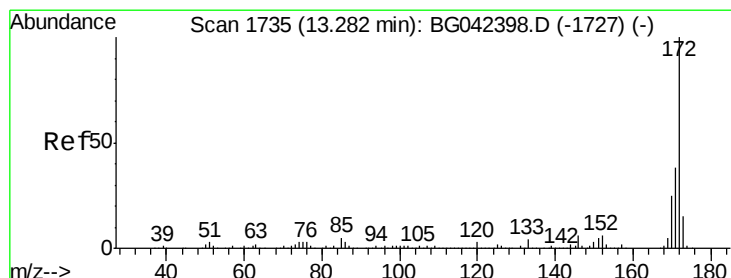
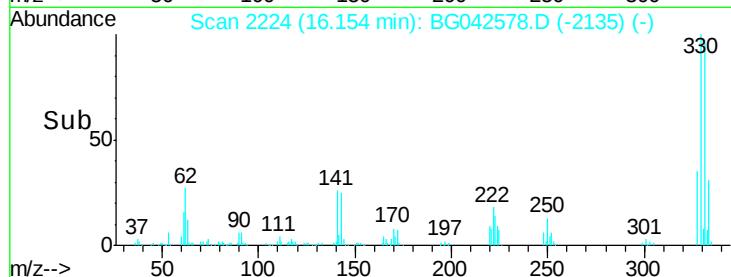
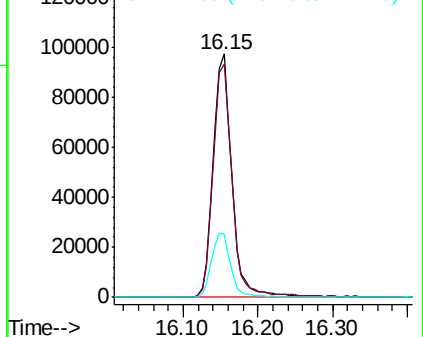
330 100

332 97.0 77.4 116.0

141 27.4 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: 69.731 ng

RT: 13.28 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BG042578.D

Acq: 29 Aug 2019 23:23

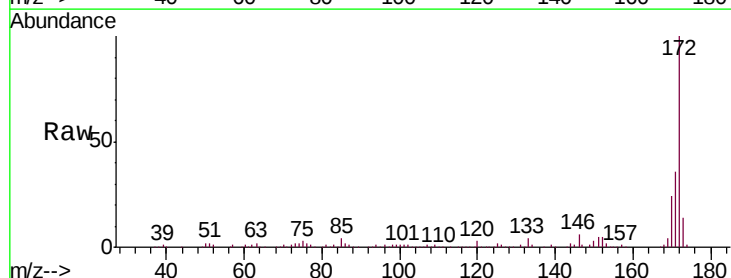
Tgt Ion:172 Resp: 403743

Ion Ratio Lower Upper

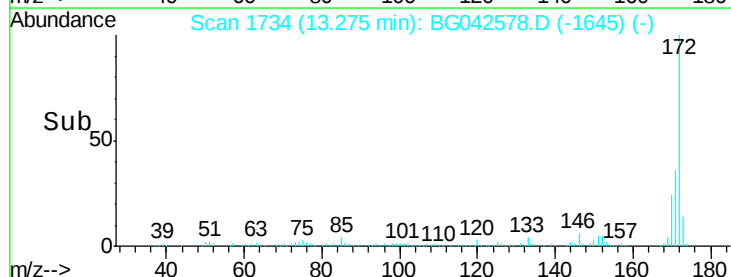
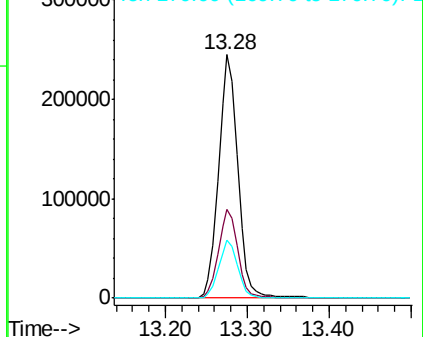
172 100

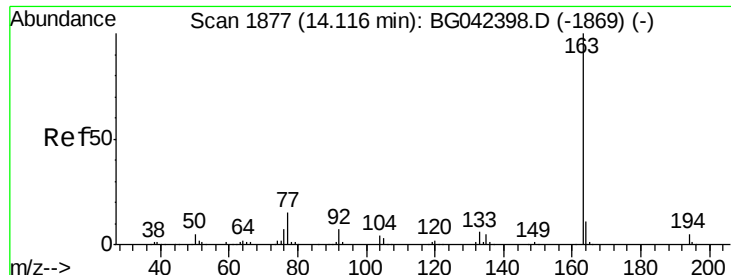
171 36.2 30.5 45.7

170 23.9 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





#50

Dimethylphthalate

Concen: 10.973 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG042578.D

Acq: 29 Aug 2019 23:23

Instrument :

BNA\_G

ClientSampled :

SB-02-30-32

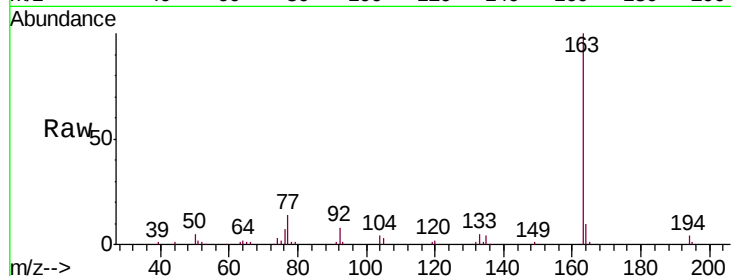
Tgt Ion:163 Resp: 77533

Ion Ratio Lower Upper

163 100

194 4.0 4.2 6.2#

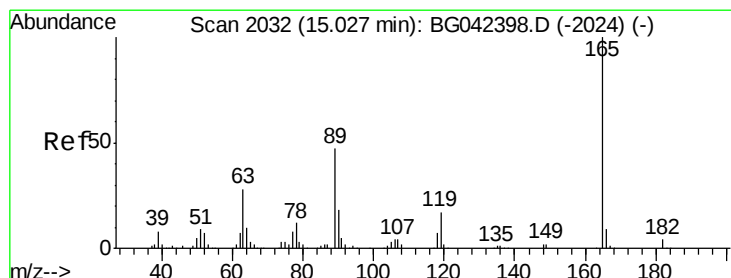
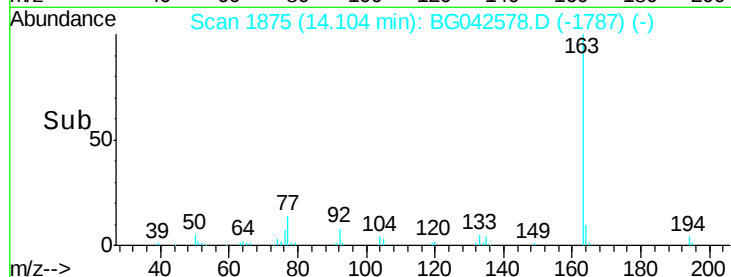
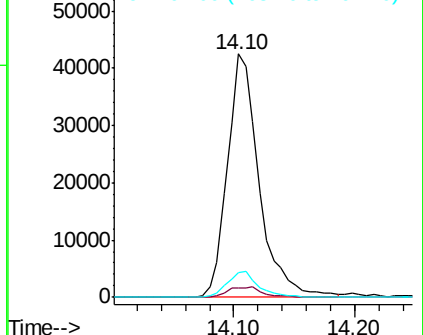
164 10.3 8.8 13.2



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



#57

2,4-Dinitrotoluene

Concen: 5.716 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.37 min

Lab File: BG042578.D

Acq: 29 Aug 2019 23:23

Tgt Ion:165 Resp: 13405

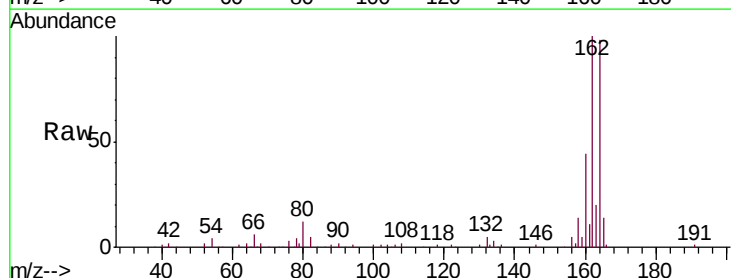
Ion Ratio Lower Upper

165 100

63 0.0 22.5 33.7#

89 0.0 37.8 56.6#

182 0.0 3.0 4.4#

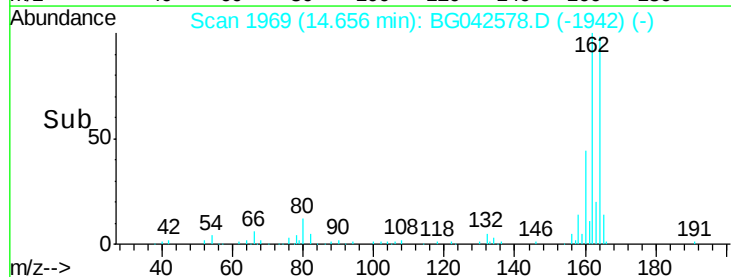
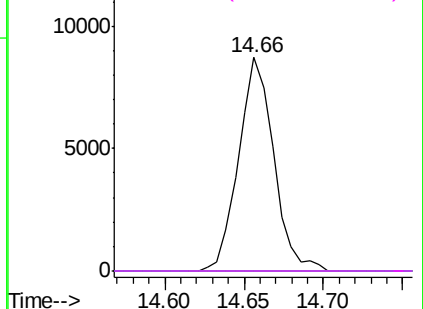


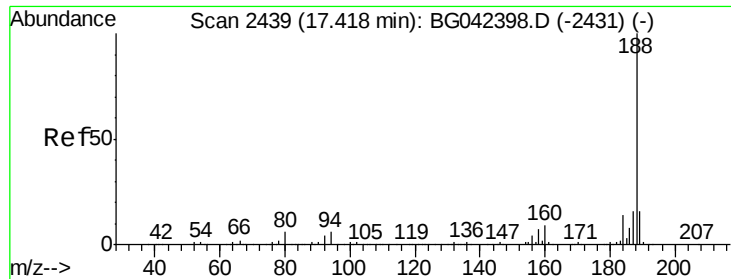
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG042578.D

Acq: 29 Aug 2019 23:23

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32

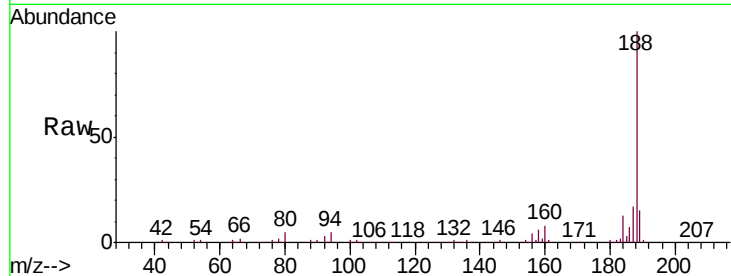
Tgt Ion:188 Resp: 239986

Ion Ratio Lower Upper

188 100

94 5.1 4.5 6.7

80 5.5 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

200000

150000

100000

50000

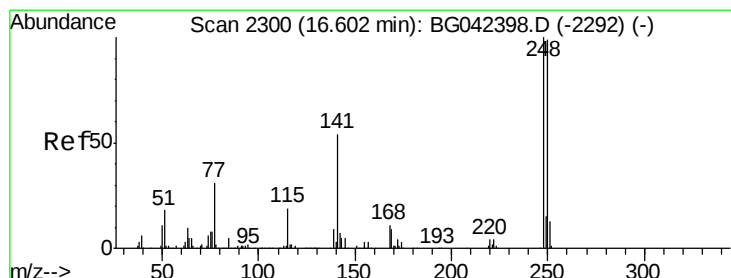
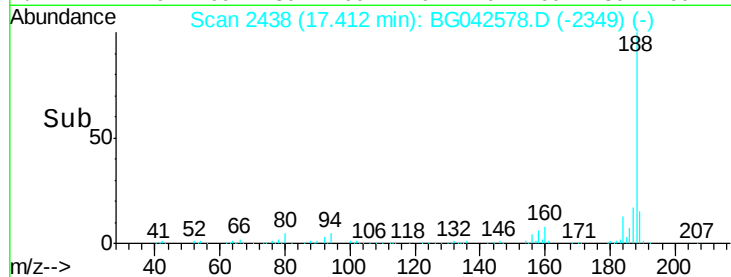
0

17.41

17.40

17.50

Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.818 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042578.D

Acq: 29 Aug 2019 23:23

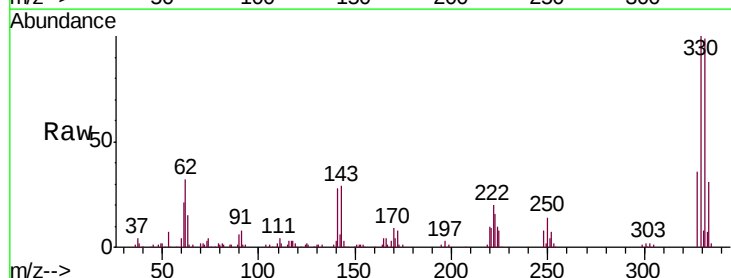
Tgt Ion:248 Resp: 11621

Ion Ratio Lower Upper

248 100

250 181.5 78.9 118.3#

141 360.3 43.3 64.9#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

30000

20000

10000

0

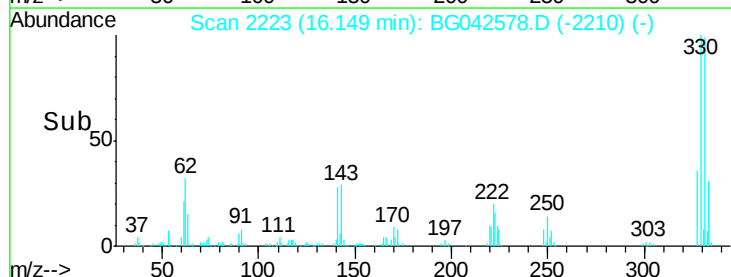
16.15

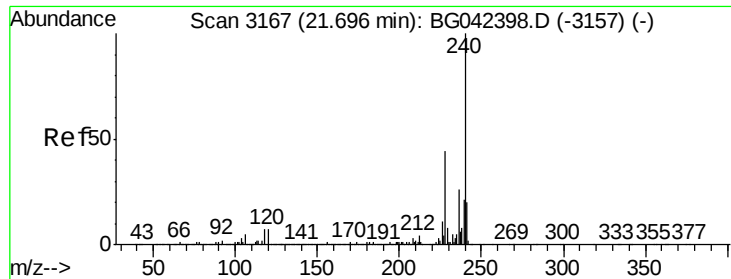
16.10

16.20

16.25

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042578.D

Acq: 29 Aug 2019 23:23

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32

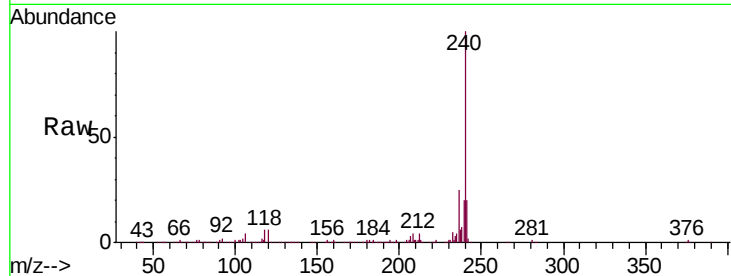
Tgt Ion:240 Resp: 254884

Ion Ratio Lower Upper

240 100

120 6.1 5.7 8.5

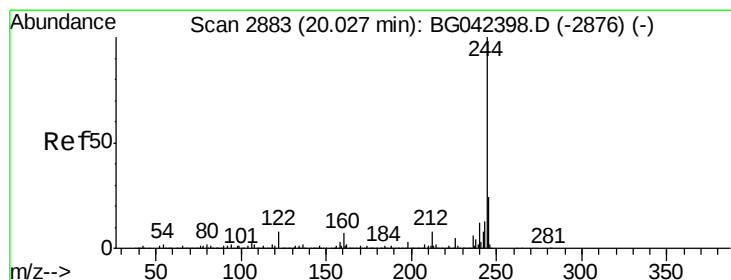
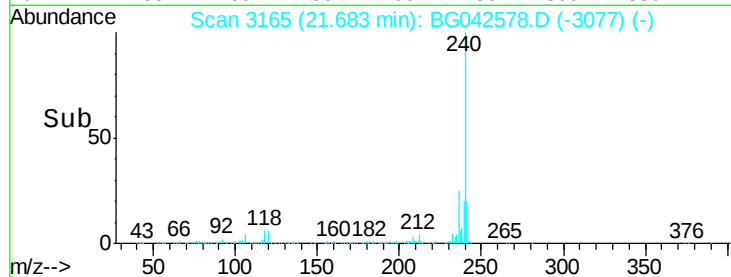
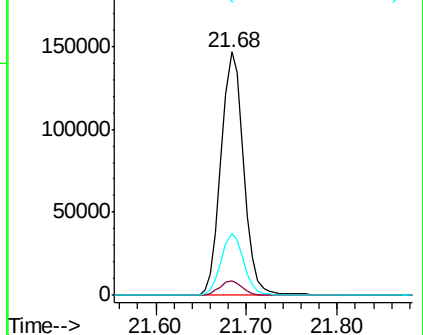
236 25.2 21.0 31.4



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: 63.366 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042578.D

Acq: 29 Aug 2019 23:23

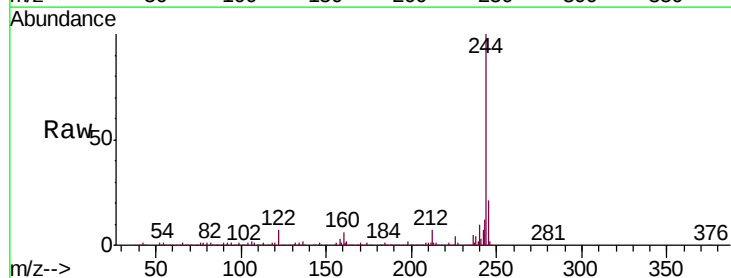
Tgt Ion:244 Resp: 747071

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

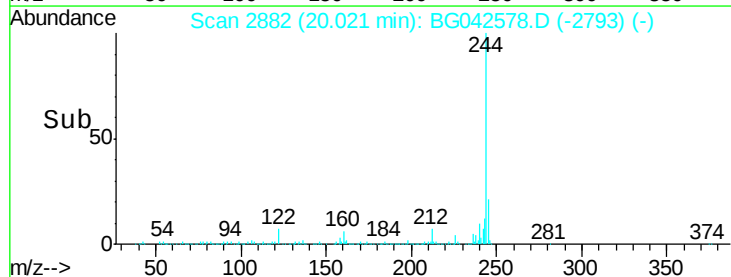
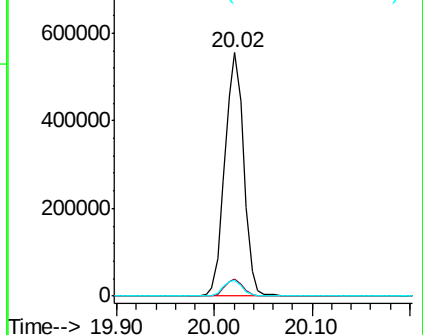
122 6.6 6.7 10.1#

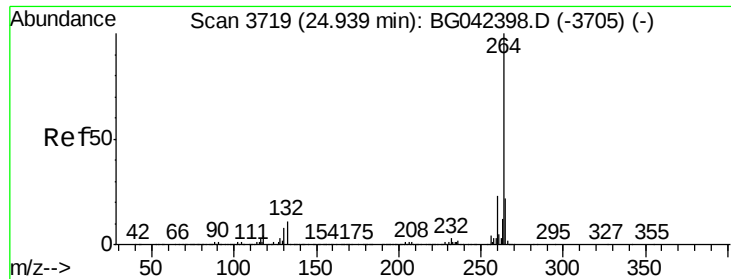


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

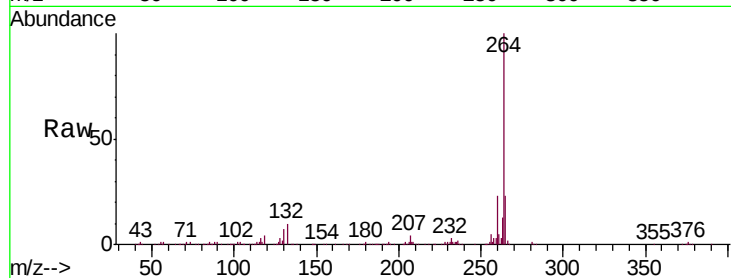




#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.93 min Scan# 3717  
Delta R.T. -0.01 min  
Lab File: BG042578.D  
Acq: 29 Aug 2019 23:23

Instrument :  
BNA\_G  
ClientSampleId :  
SB-02-30-32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 298602 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 22.6  | 18.5  | 27.7   |
| 265      | 22.7  | 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

