

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082519\  
 Data File : BG042475.D  
 Acq On : 25 Aug 2019 13:14  
 Operator : HP/JU  
 Sample : K4498-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SIDEWALL-1

Quant Time: Aug 26 07:26:15 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

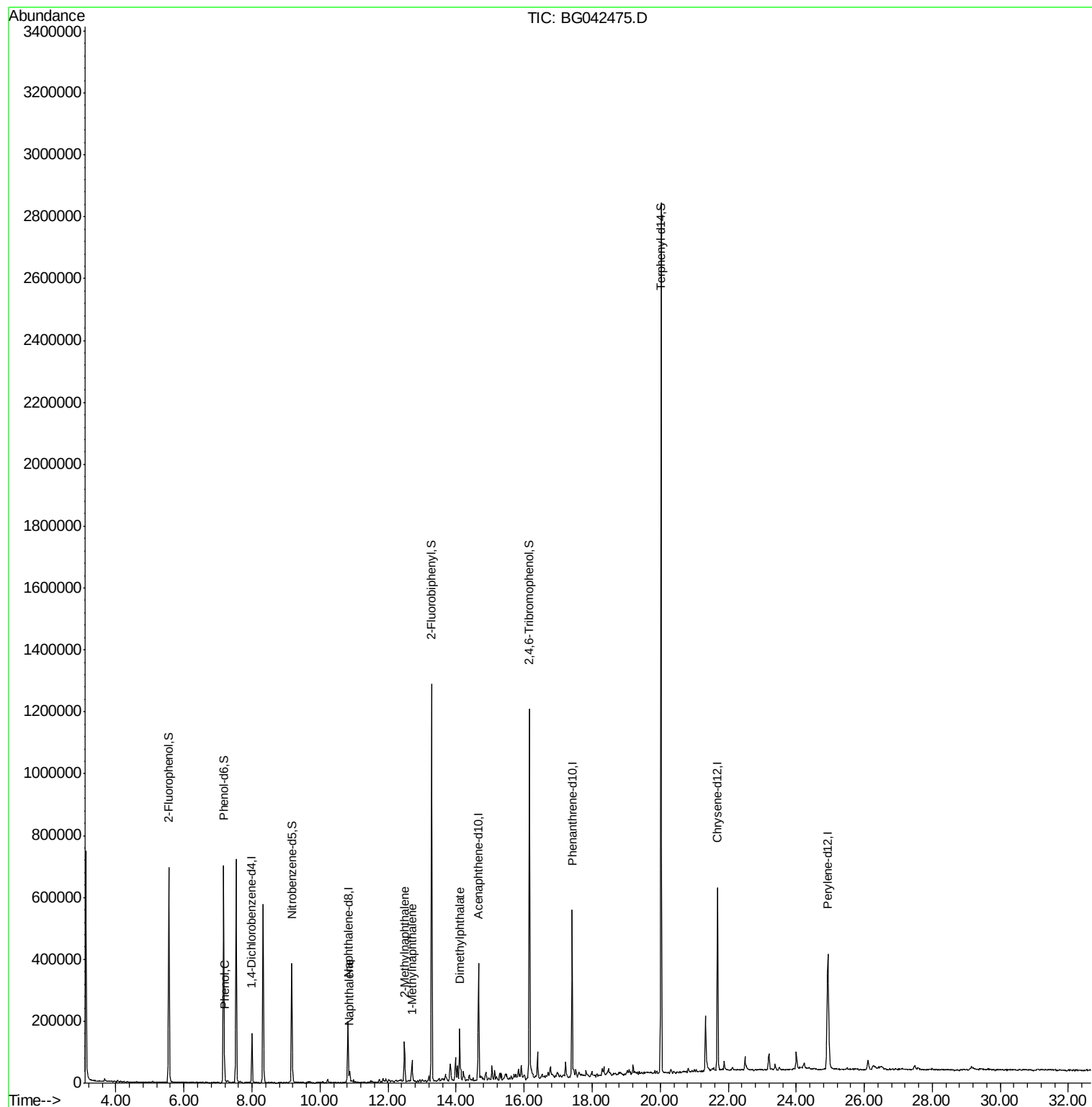
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.00  | 152  | 49806    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.82 | 136  | 196341   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.66 | 164  | 146271   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.41 | 188  | 356379   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.68 | 240  | 384048   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 24.93 | 264  | 448811   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.56  | 112  | 350421   | 142.49 | ng    | 0.00     |
| 7) Phenol-d6                | 7.17  | 99   | 473575   | 142.56 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.16  | 82   | 260702   | 91.76  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.15 | 330  | 295366   | 142.07 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.28 | 172  | 763763   | 88.31  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.03 | 244  | 1431842  | 80.60  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.19  | 94   | 10157    | 3.007  | ng    | 89       |
| 31) Naphthalene             | 10.87 | 128  | 30286    | 3.322  | ng    | 98       |
| 37) 2-Methylnaphthalene     | 12.48 | 142  | 69073    | 9.437  | ng    | 98       |
| 38) 1-Methylnaphthalene     | 12.71 | 142  | 38452    | 5.531  | ng    | 95       |
| 50) Dimethylphthalate       | 14.10 | 163  | 126515   | 11.987 | ng    | 98       |

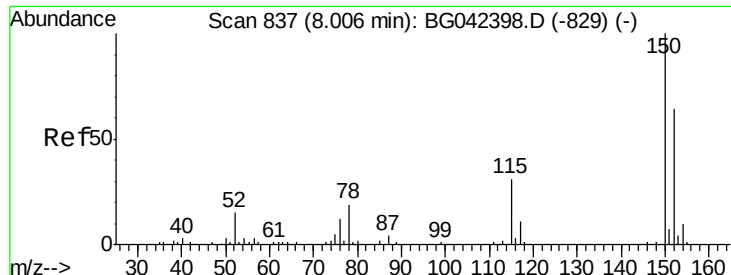
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082519\  
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BNA\_G  
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SIDEWALL-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 22 14:29:15 2019  
Response via : Initial Calibration



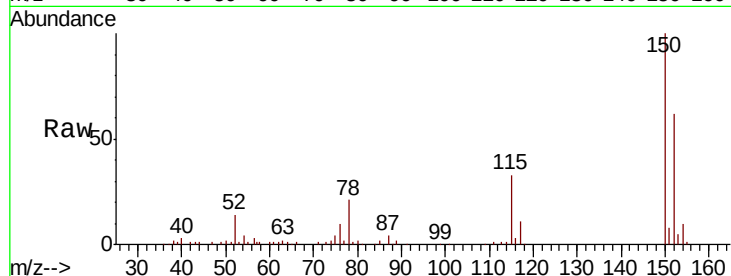


#1

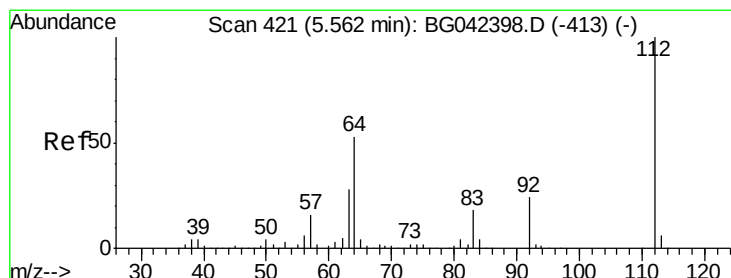
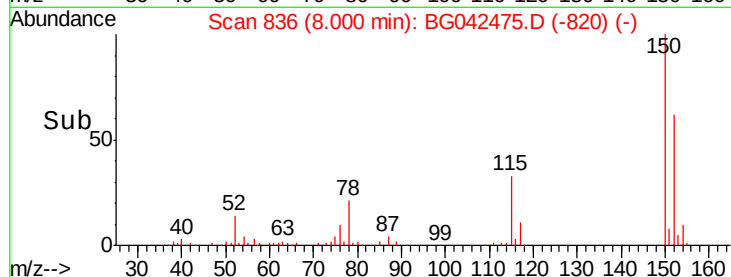
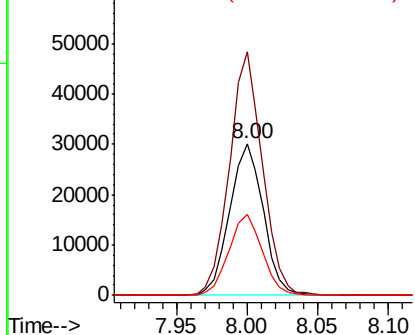
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.00 min Scan# 836  
Delta R.T. -0.01 min  
Lab File: BG042475.D  
Acq: 25 Aug 2019 13:14

Instrument :  
BNA\_G  
ClientSampleId :  
SIDEWALL-1

Tot Ion:152 Resp: 49806  
Ion Ratio Lower Upper  
152 100  
150 160.1 125.4 188.0  
115 53.4 38.5 57.7



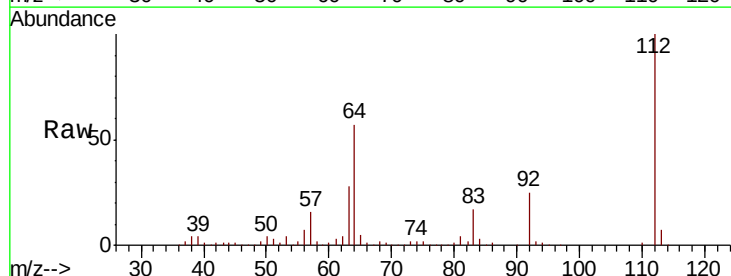
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



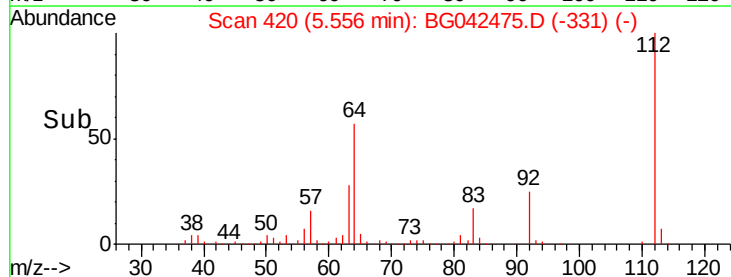
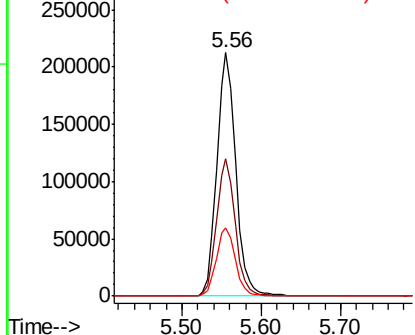
#5

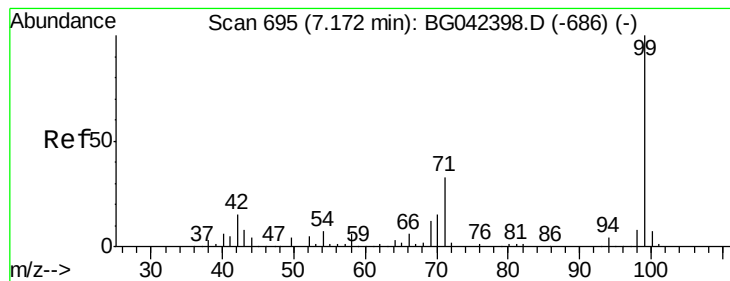
2-Fluorophenol  
Concen: 142.494 ng  
RT: 5.56 min Scan# 420  
Delta R.T. -0.01 min  
Lab File: BG042475.D  
Acq: 25 Aug 2019 13:14

Tgt Ion:112 Resp: 350421  
Ion Ratio Lower Upper  
112 100  
64 56.5 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: 142.565 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042475.D

Acq: 25 Aug 2019 13:14

Instrument :

BNA\_G

ClientSampleId :

SIDEWALL-1

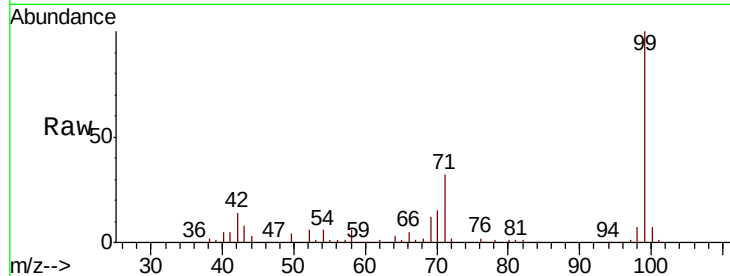
Tot Ion: 99 Resp: 473575

Ion Ratio Lower Upper

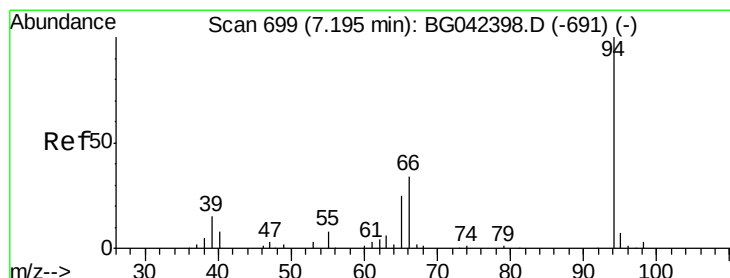
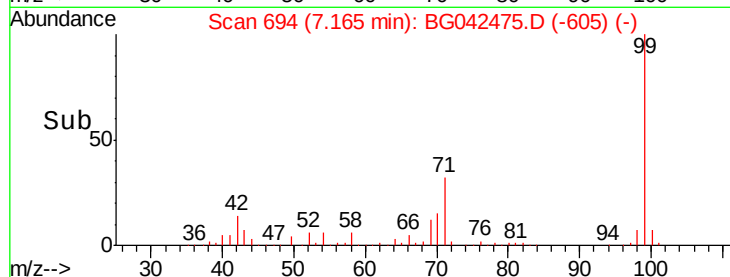
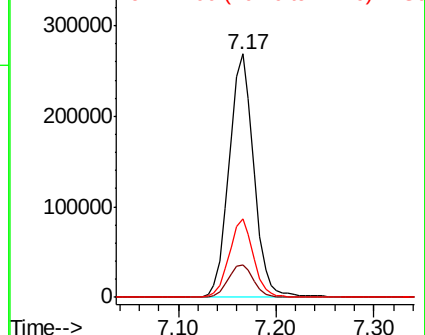
99 100

42 13.5 12.0 18.0

71 32.3 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



#10

Phenol

Concen: 3.007 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG042475.D

Acq: 25 Aug 2019 13:14

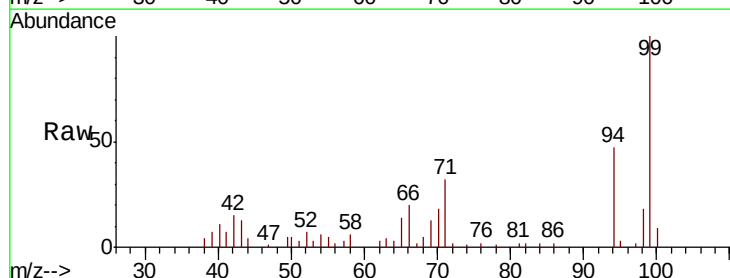
Tgt Ion: 94 Resp: 10157

Ion Ratio Lower Upper

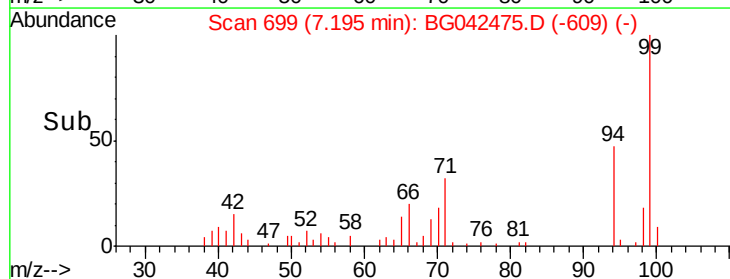
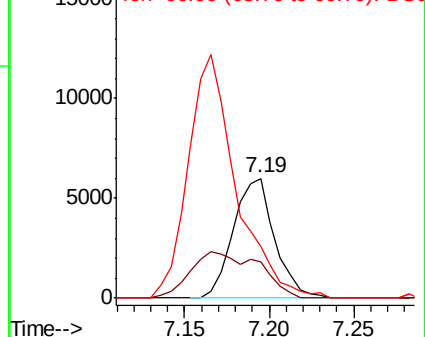
94 100

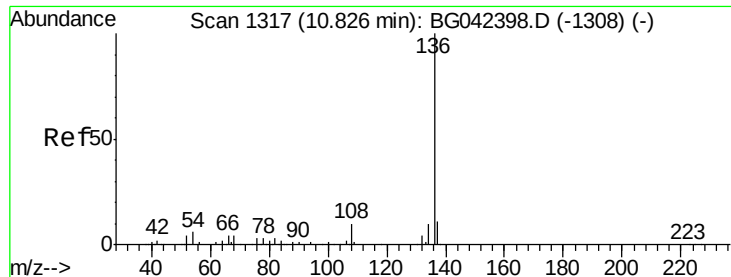
65 30.4 5.6 45.6

66 42.6 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

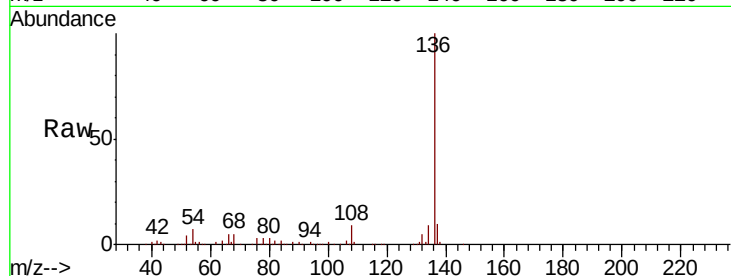




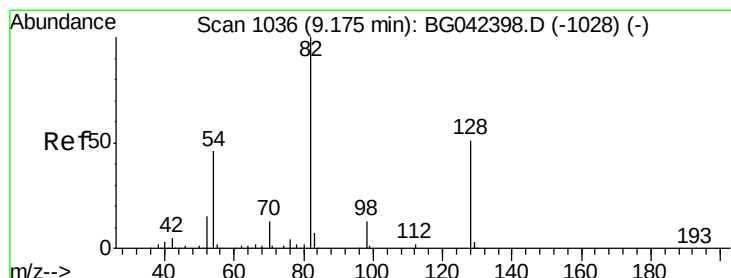
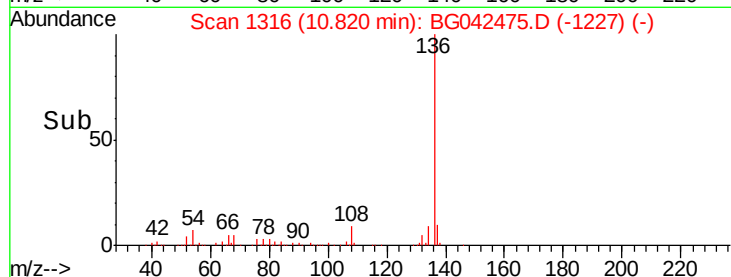
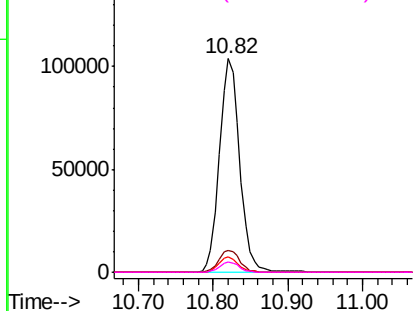
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.82 min Scan# 1316  
Delta R.T. -0.01 min  
Lab File: BG042475.D  
Acq: 25 Aug 2019 13:14

Instrument :  
BNA\_G  
ClientSampleId :  
SIDEWALL-1

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 196341   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.3  | 8.7 13.1 |
| 54          | 7.4   | 4.9 7.3# |
| 68          | 4.8   | 3.6 5.4  |

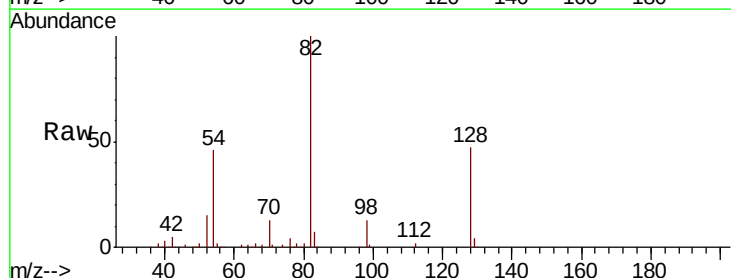


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BG  
Ion 68.00 (67.70 to 68.70): BG

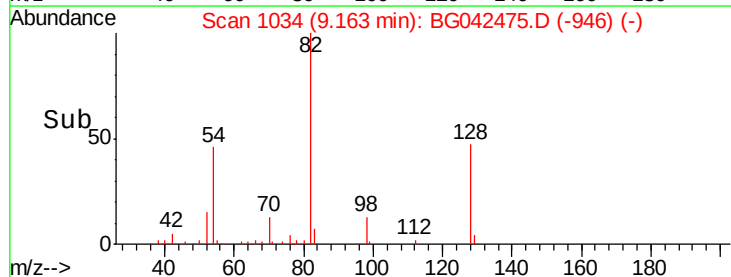
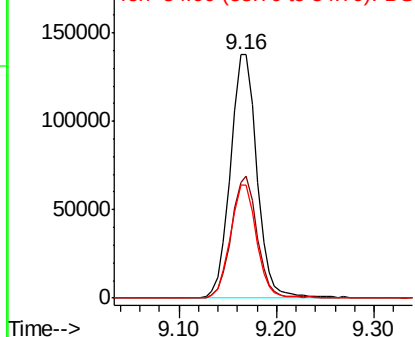


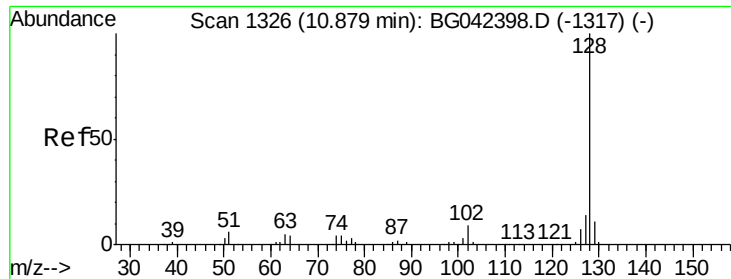
#23  
Nitrobenzene-d5  
Concen: 91.756 ng  
RT: 9.16 min Scan# 1034  
Delta R.T. -0.01 min  
Lab File: BG042475.D  
Acq: 25 Aug 2019 13:14

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 260702    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 47.4  | 40.7 61.1 |
| 54          | 46.4  | 36.3 54.5 |



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

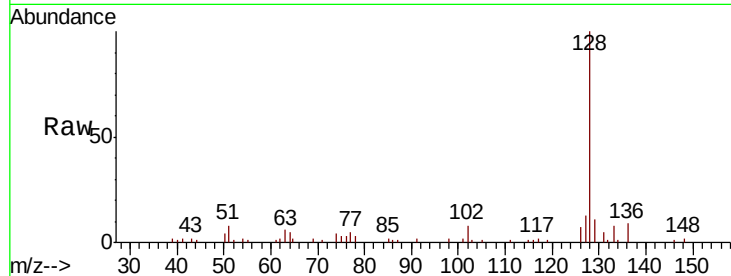




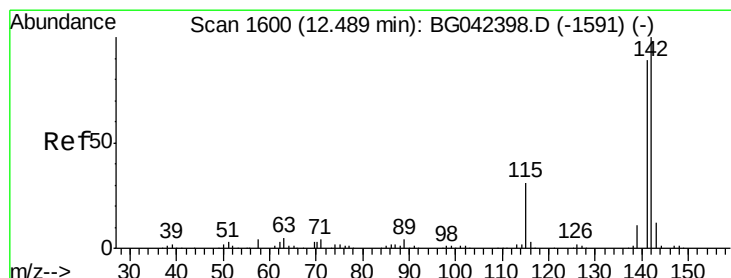
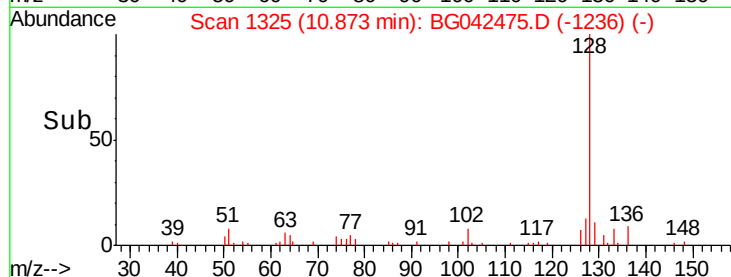
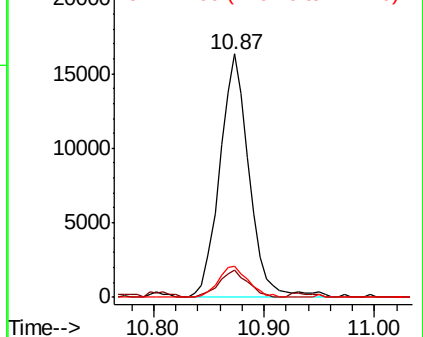
#31  
Naphthalene  
Concen: 3.322 ng  
RT: 10.87 min Scan# 1325  
Delta R.T. -0.01 min  
Lab File: BG042475.D  
Acq: 25 Aug 2019 13:14

Instrument :  
BNA\_G  
ClientSampleId :  
SIDEWALL-1

Tot Ion:128 Resp: 30286  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.8 13.2  
127 13.0 11.4 17.0

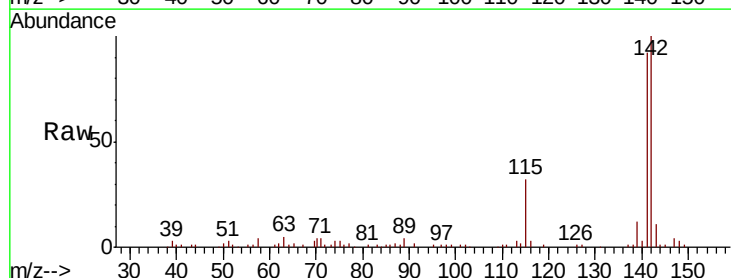


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

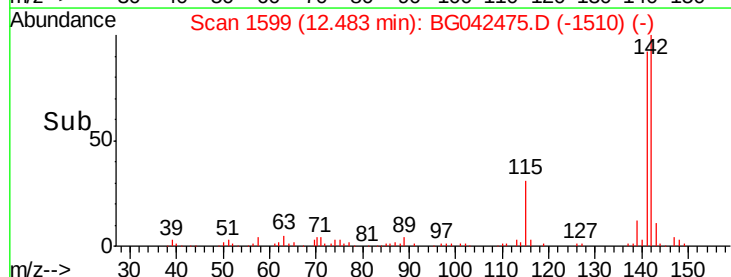
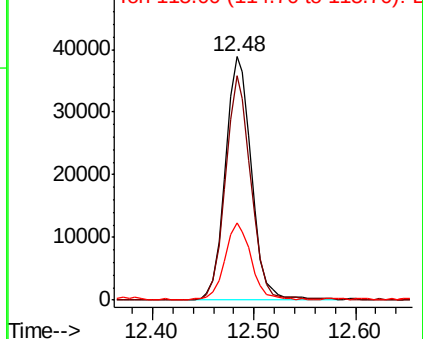


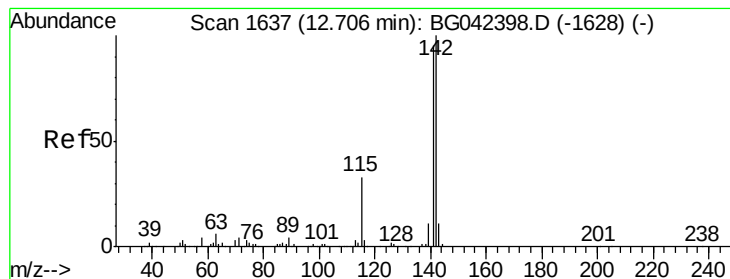
#37  
2-Methylnaphthalene  
Concen: 9.437 ng  
RT: 12.48 min Scan# 1599  
Delta R.T. -0.01 min  
Lab File: BG042475.D  
Acq: 25 Aug 2019 13:14

Tgt Ion:142 Resp: 69073  
Ion Ratio Lower Upper  
142 100  
141 92.4 71.4 107.2  
115 31.5 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: 5.531 ng

RT: 12.71 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BG042475.D

Acq: 25 Aug 2019 13:14

Instrument :

BNA\_G

ClientSampleId :

SIDEWALL-1

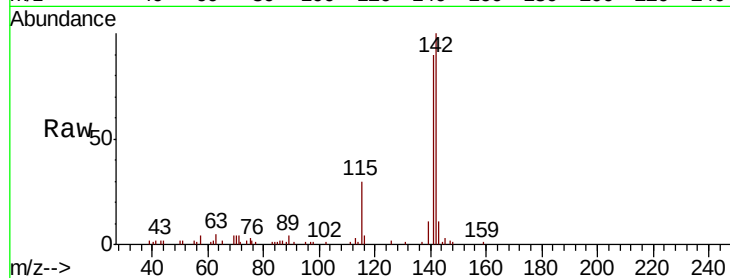
Tot Ion:142 Resp: 38452

Ion Ratio Lower Upper

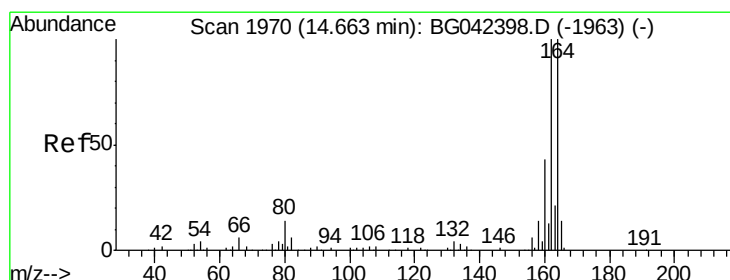
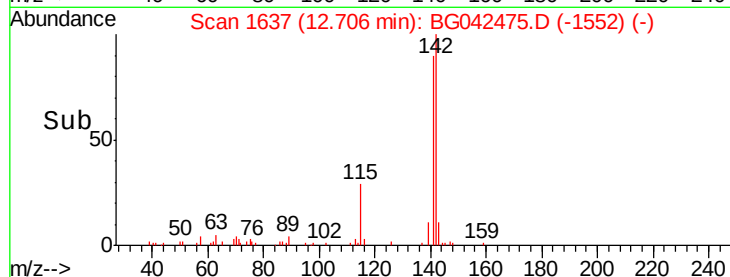
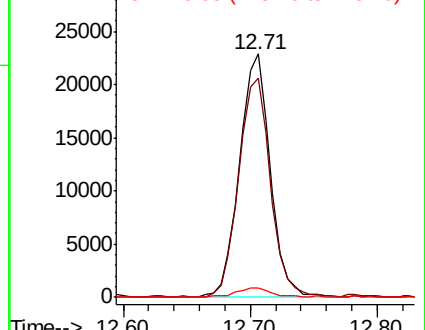
142 100

141 90.3 76.2 114.2

116 3.8 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: BG042475.D

Acq: 25 Aug 2019 13:14

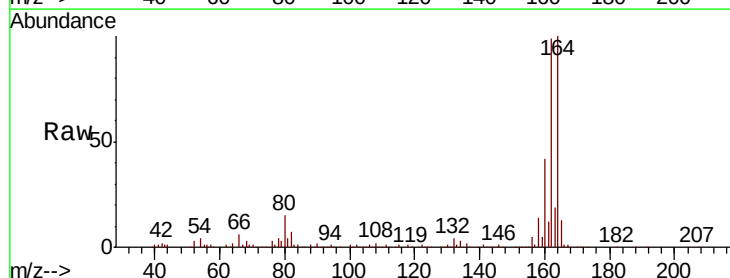
Tgt Ion:164 Resp: 146271

Ion Ratio Lower Upper

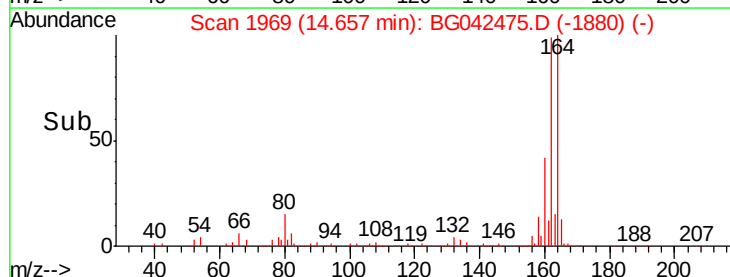
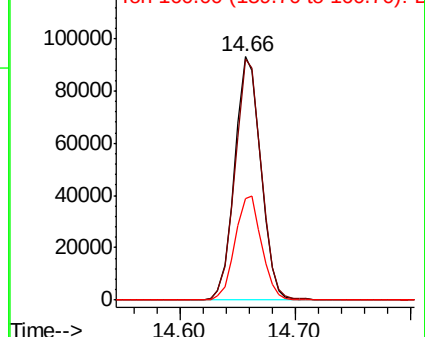
164 100

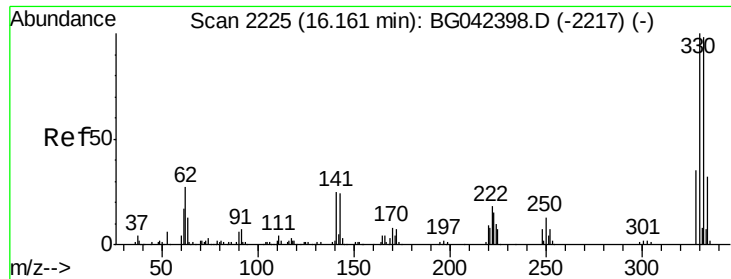
162 98.8 79.9 119.9

160 41.9 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

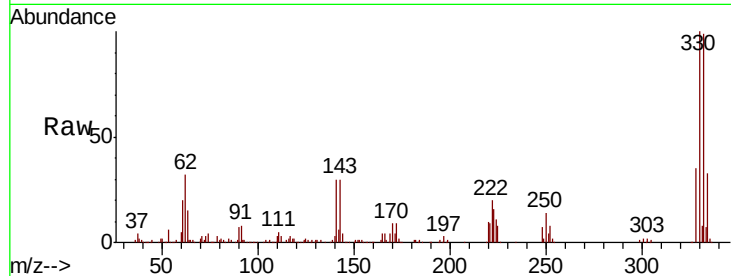




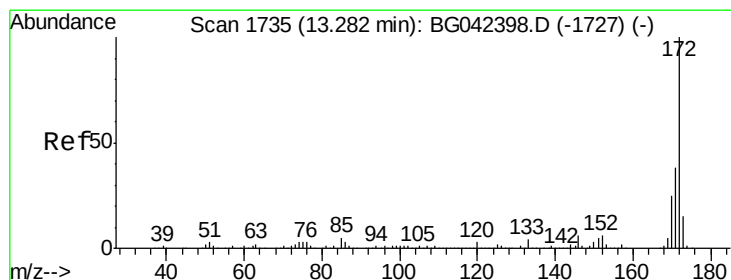
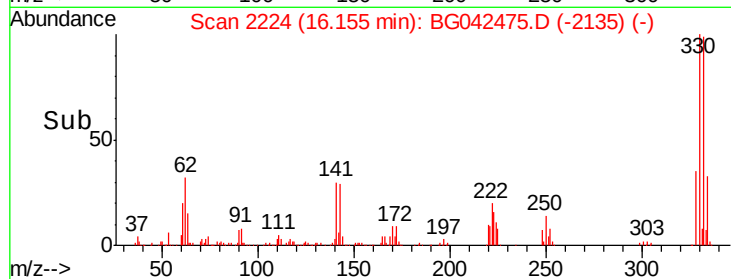
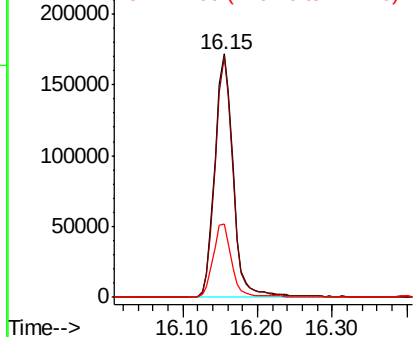
#42  
 2,4,6-Tribromophenol  
 Concen: 142.071 ng  
 RT: 16.15 min Scan# 2224  
 Delta R.T. -0.01 min  
 Lab File: BG042475.D  
 Acq: 25 Aug 2019 13:14

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SIDEWALL-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.5  | 77.4  | 116.0 |
| 141     | 30.5  | 21.4  | 32.0  |

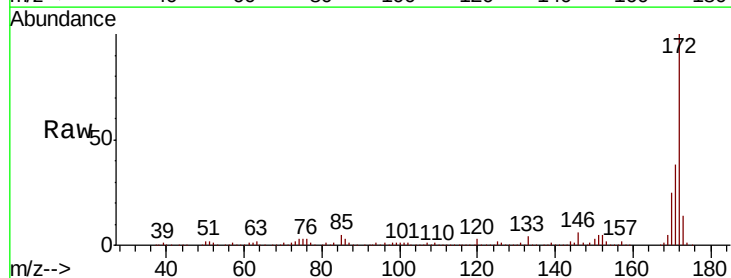


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

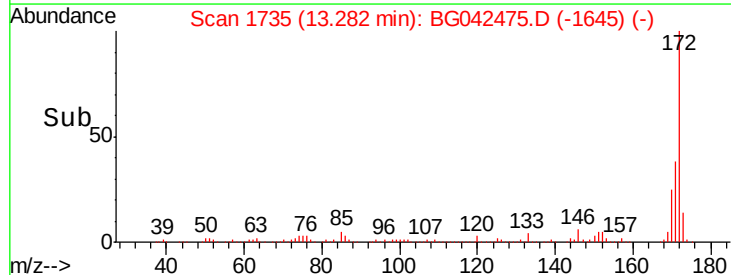
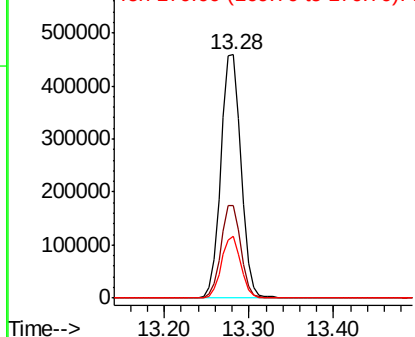


#45  
 2-Fluorobiphenyl  
 Concen: 88.311 ng  
 RT: 13.28 min Scan# 1735  
 Delta R.T. -0.00 min  
 Lab File: BG042475.D  
 Acq: 25 Aug 2019 13:14

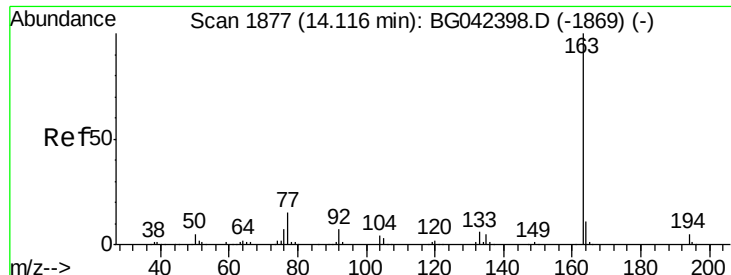
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.0  | 30.5  | 45.7  |
| 170     | 25.2  | 20.2  | 30.2  |



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: 11.987 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG042475.D

Acq: 25 Aug 2019 13:14

Instrument :

BNA\_G

ClientSampleId :

SIDEWALL-1

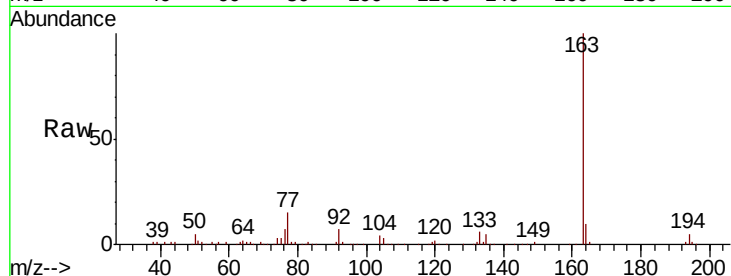
Tot Ion:163 Resp: 126515

Ion Ratio Lower Upper

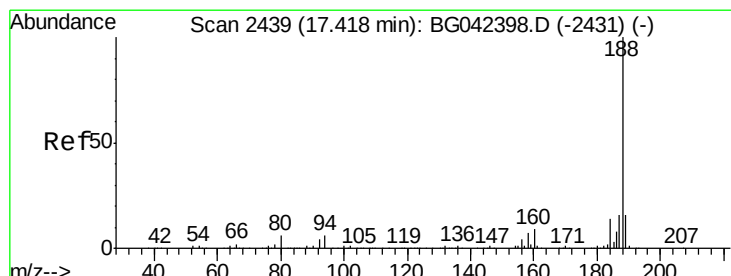
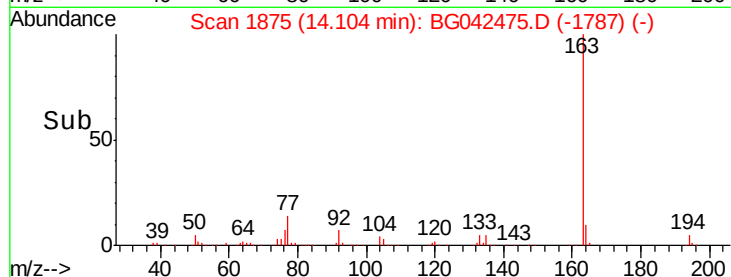
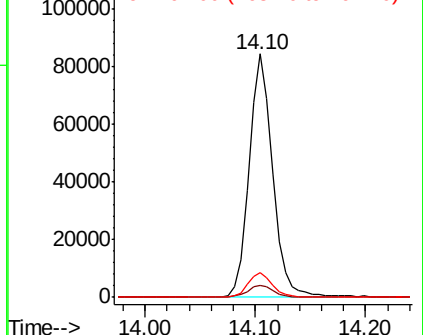
163 100

194 4.9 4.2 6.2

164 10.1 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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG042475.D

Acq: 25 Aug 2019 13:14

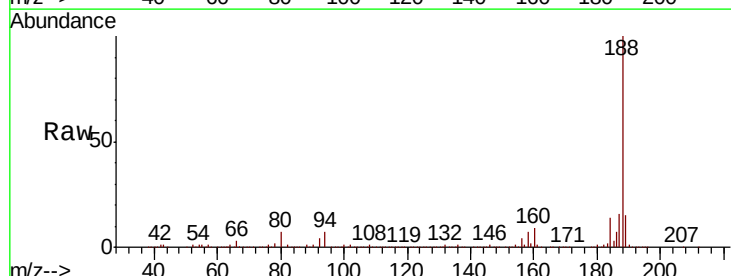
Tgt Ion:188 Resp: 356379

Ion Ratio Lower Upper

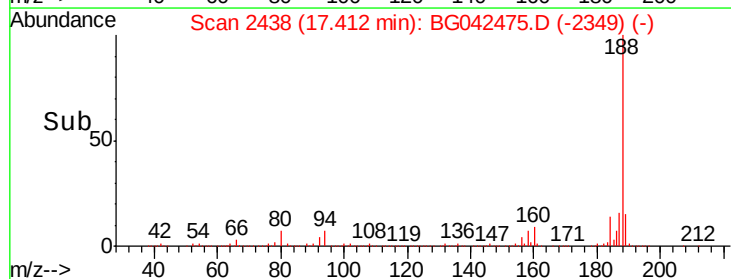
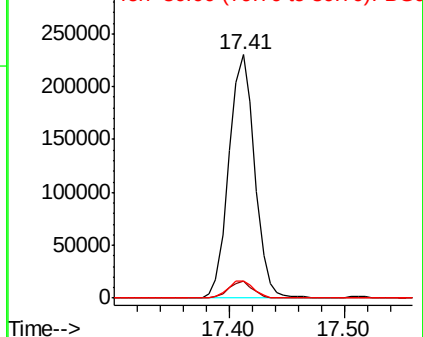
188 100

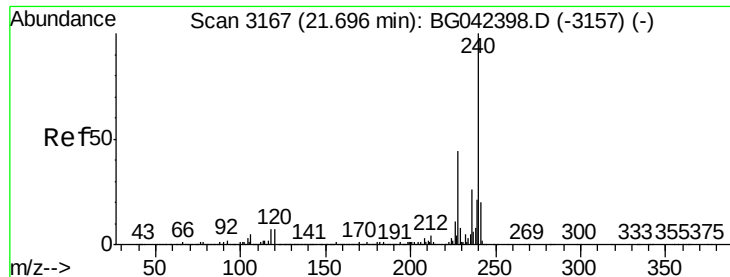
94 7.1 4.5 6.7#

80 7.2 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

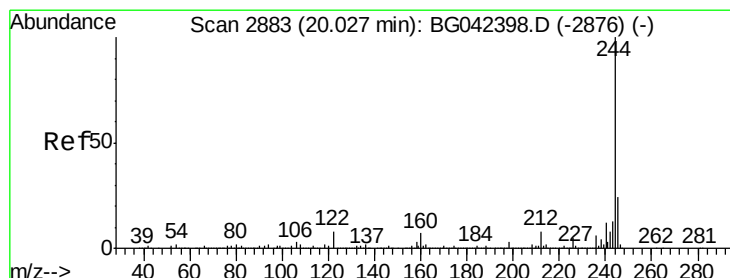
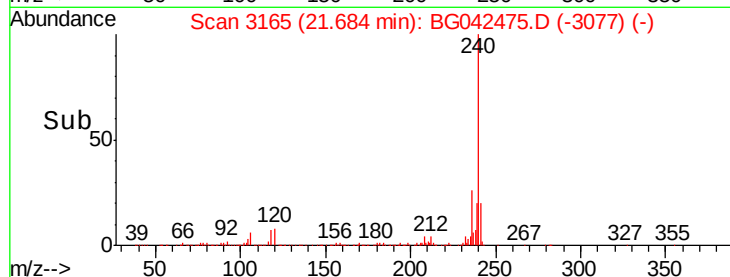
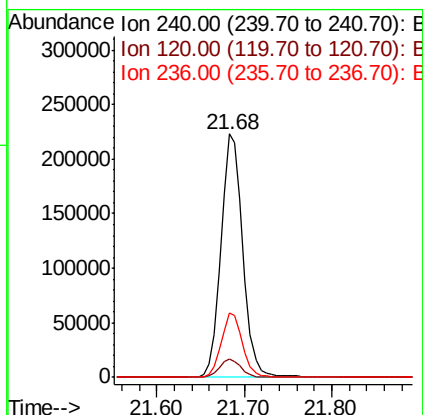
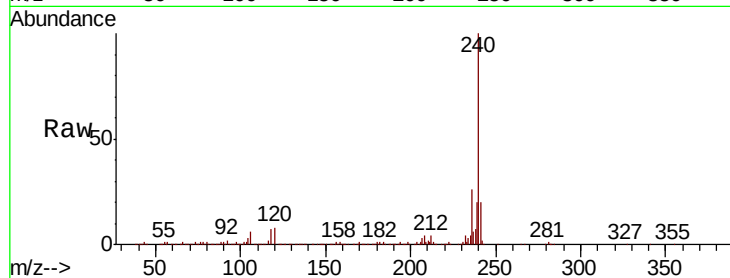




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.68 min Scan# 3165  
Delta R.T. -0.01 min  
Lab File: BG042475.D  
Acq: 25 Aug 2019 13:14

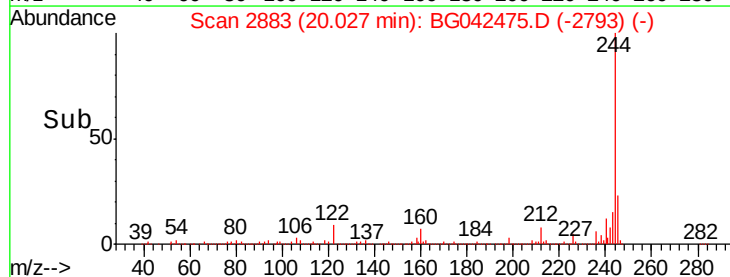
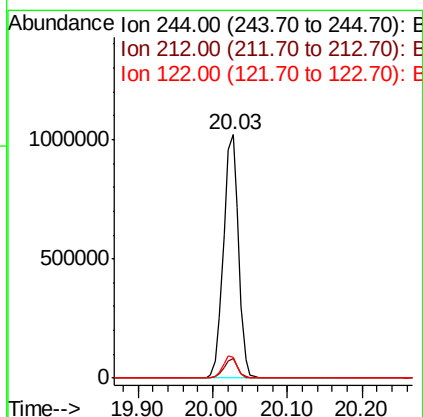
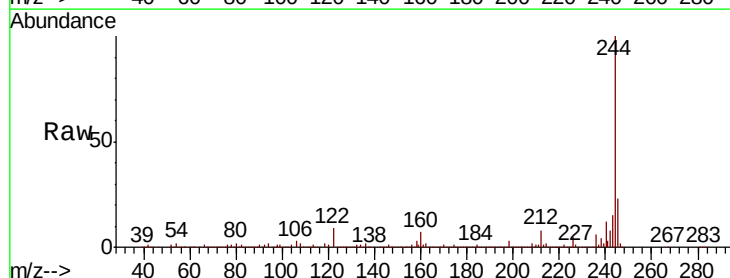
Instrument :  
BNA\_G  
ClientSampleId :  
SIDEWALL-1

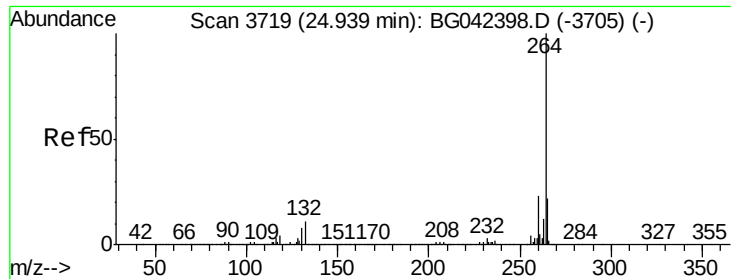
Tot Ion:240 Resp: 384048  
Ion Ratio Lower Upper  
240 100  
120 7.6 5.7 8.5  
236 26.3 21.0 31.4



#79  
Terphenyl-d14  
Concen: 80.603 ng  
RT: 20.03 min Scan# 2883  
Delta R.T. -0.00 min  
Lab File: BG042475.D  
Acq: 25 Aug 2019 13:14

Tgt Ion:244 Resp: 1431842  
Ion Ratio Lower Upper  
244 100  
212 7.9 6.0 9.0  
122 8.6 6.7 10.1





#87  
 Pervlone-d12  
 Concen: 20.000 ng  
 RT: 24.93 min Scan# 3717  
 Delta R.T. -0.01 min  
 Lab File: BG042475.D  
 Acq: 25 Aug 2019 13:14

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SIDEWALL-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 18.5  | 27.7  |
| 265     | 21.7  | 17.6  | 26.4  |

