

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090120\  
 Data File : BG046496.D  
 Acq On : 1 Sep 2020 22:50  
 Operator : CG/JU  
 Sample : L3850-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 228

Quant Time: Sep 02 06:15:43 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 31 16:05:33 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.93  | 152  | 65025    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.72 | 136  | 254247   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.56 | 164  | 184892   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.31 | 188  | 454293   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.55 | 240  | 534882   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 24.65 | 264  | 554144   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.52  | 112  | 383942   | 104.58 | ng    | 0.00     |
| 7) Phenol-d6                | 7.10  | 99   | 463638   | 89.09  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.09  | 82   | 372741   | 83.79  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.05 | 330  | 300036   | 119.77 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.18 | 172  | 955275   | 78.87  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.92 | 244  | 1857869  | 73.92  | ng    | 0.00     |

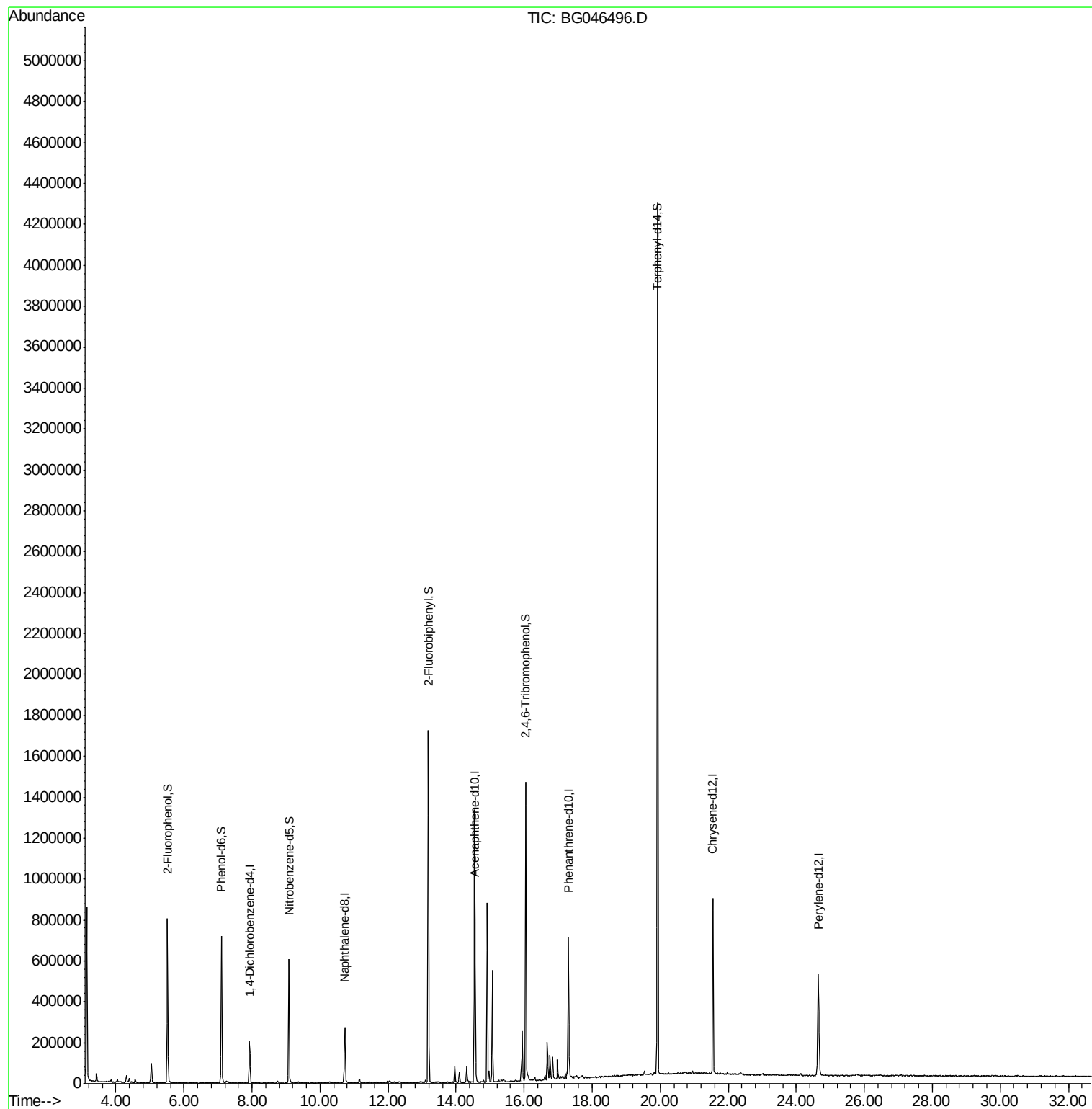
Target Compounds Qvalue

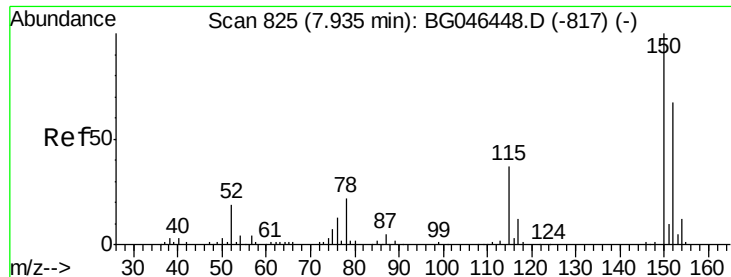
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 31 16:05:33 2020  
Response via : Initial Calibration



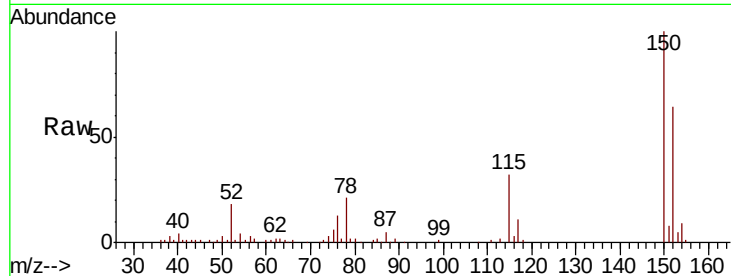


#1

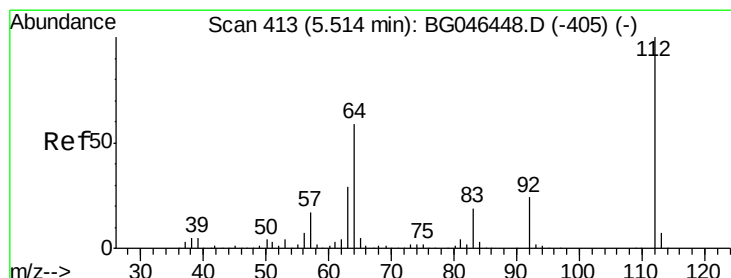
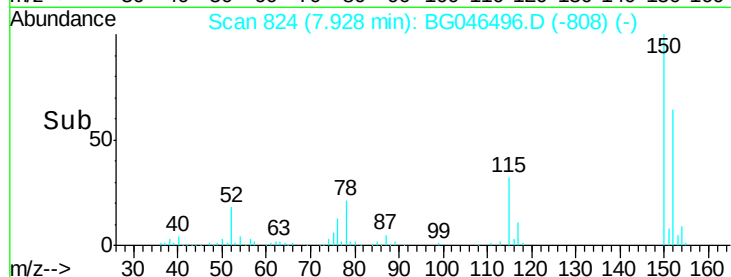
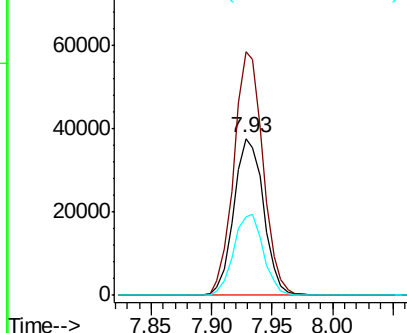
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.93 min Scan# 824  
Delta R.T. -0.00 min  
Lab File: BG046496.D  
Acq: 1 Sep 2020 22:50

Instrument :  
BNA\_G  
ClientSampleId :  
228

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.2 | 119.5 | 179.3 |
| 115     | 50.3  | 44.3  | 66.5  |



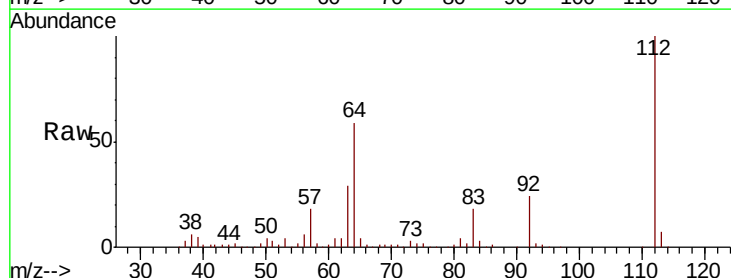
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



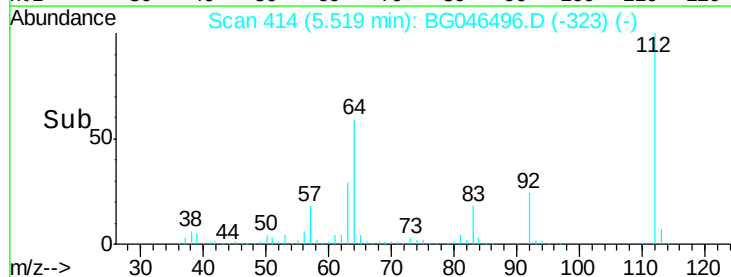
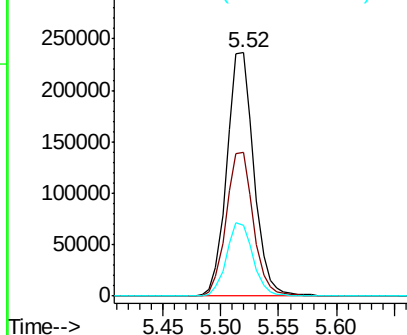
#5

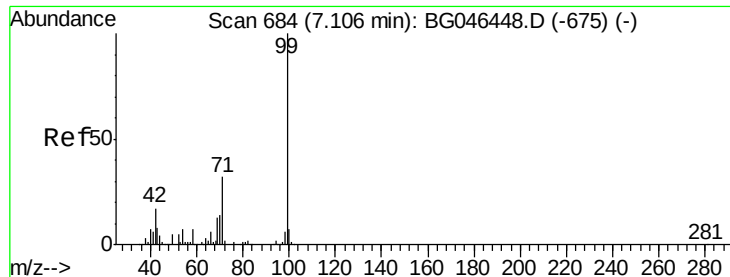
2-Fluorophenol  
Concen: 104.580 ng  
RT: 5.52 min Scan# 414  
Delta R.T. 0.01 min  
Lab File: BG046496.D  
Acq: 1 Sep 2020 22:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.8  | 47.0  | 70.6  |
| 63      | 28.9  | 23.5  | 35.3  |



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: 89.086 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046496.D

Acq: 1 Sep 2020 22:50

Instrument :

BNA\_G

ClientSampleId :

228

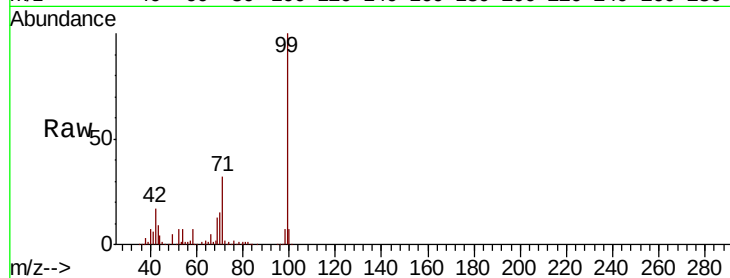
Tot Ion: 99 Resp: 463638

Ion Ratio Lower Upper

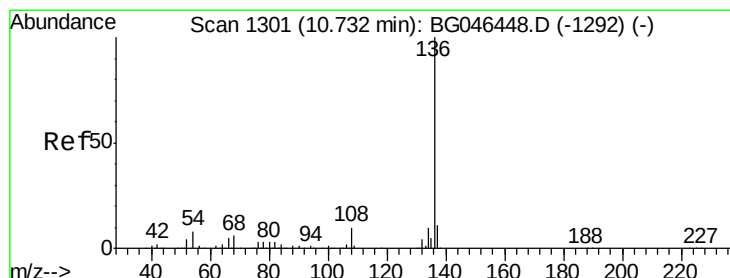
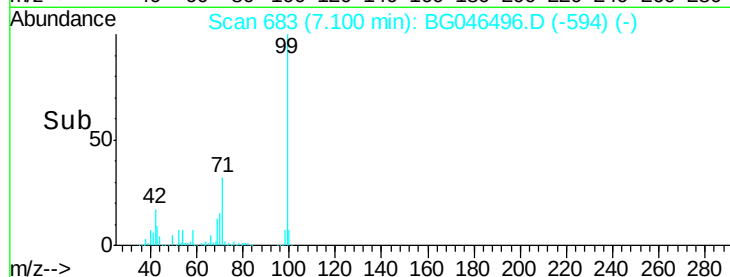
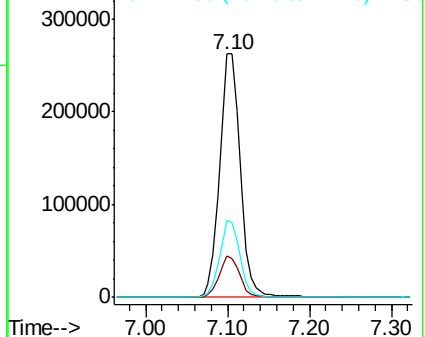
99 100

42 17.2 13.3 19.9

71 31.5 25.3 37.9



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.72 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BG046496.D

Acq: 1 Sep 2020 22:50

Tgt Ion: 136 Resp: 254247

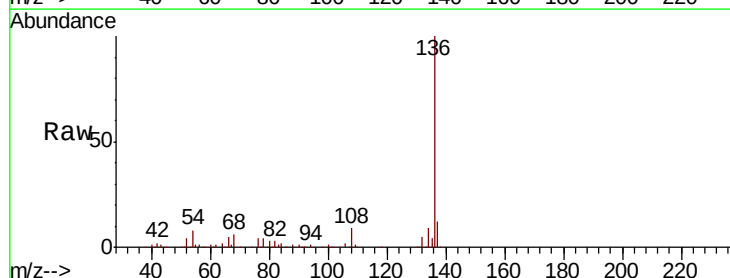
Ion Ratio Lower Upper

136 100

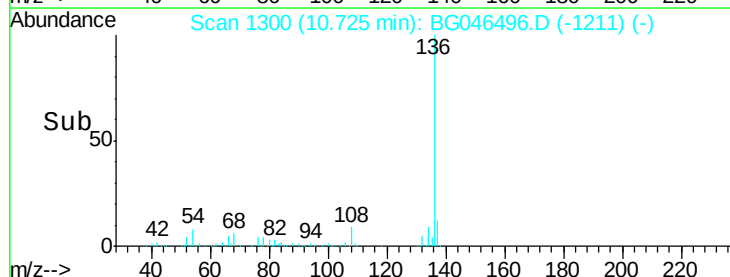
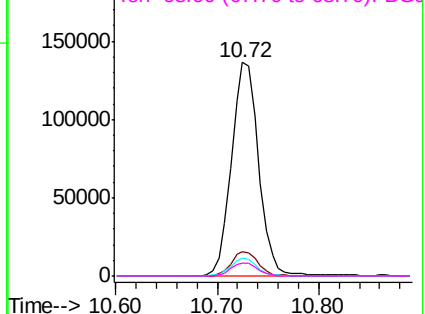
137 11.7 8.8 13.2

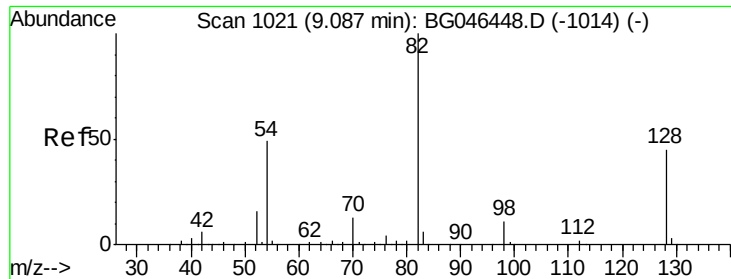
54 8.3 6.1 9.1

68 5.9 4.8 7.2



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

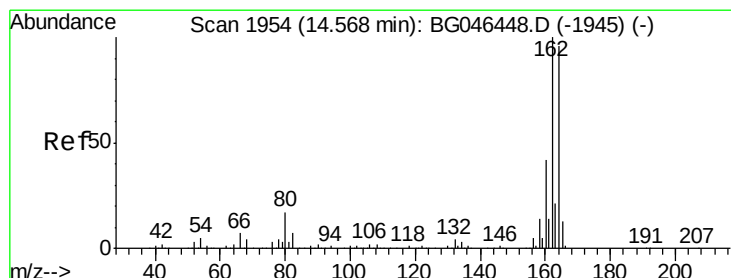
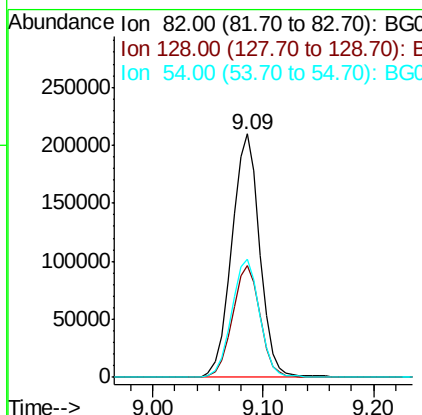
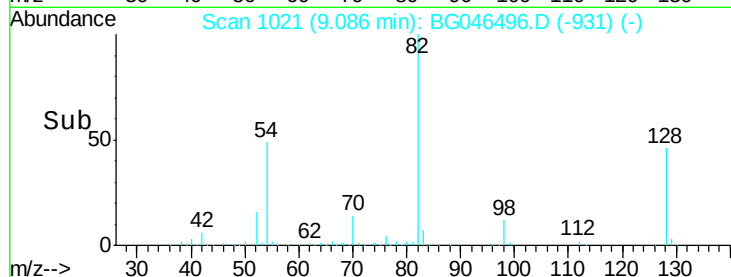
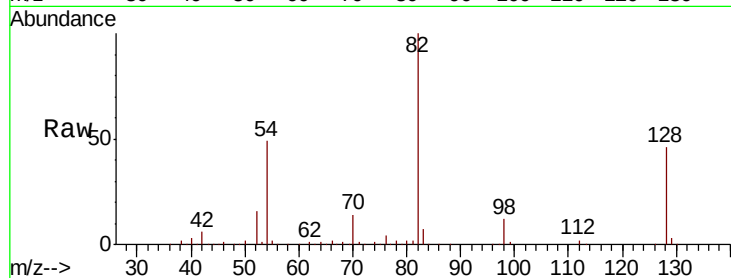




#23  
 Nitrobenzene-d5  
 Concen: 83.793 ng  
 RT: 9.09 min Scan# 1021  
 Delta R.T. 0.00 min  
 Lab File: BG046496.D  
 Acq: 1 Sep 2020 22:50

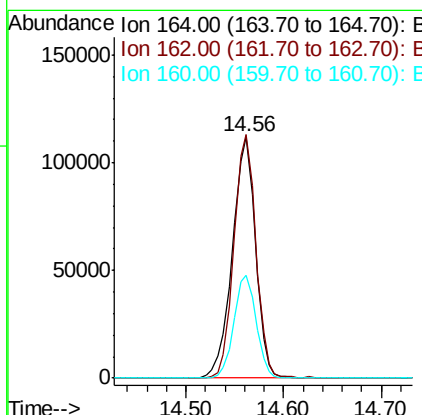
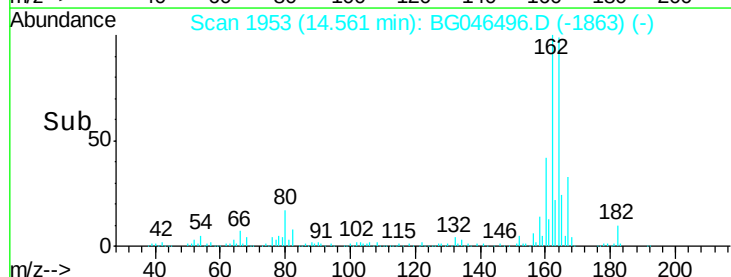
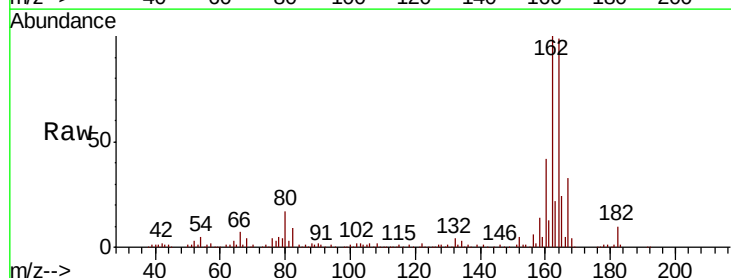
Instrument :  
 BNA\_G  
 ClientSampled :  
 228

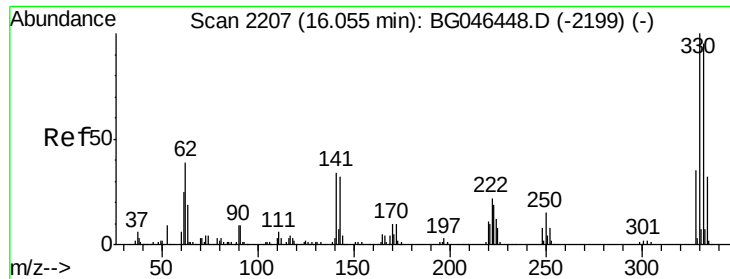
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.0  | 35.7  | 53.5  |
| 54      | 48.5  | 39.4  | 59.0  |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.56 min Scan# 1953  
 Delta R.T. 0.00 min  
 Lab File: BG046496.D  
 Acq: 1 Sep 2020 22:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.9 | 83.3  | 124.9 |
| 160     | 42.7  | 35.0  | 52.6  |





#42

2,4,6-Tribromophenol

Concen: 119.767 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BG046496.D

Acq: 1 Sep 2020 22:50

Instrument :

BNA\_G

ClientSampled :

228

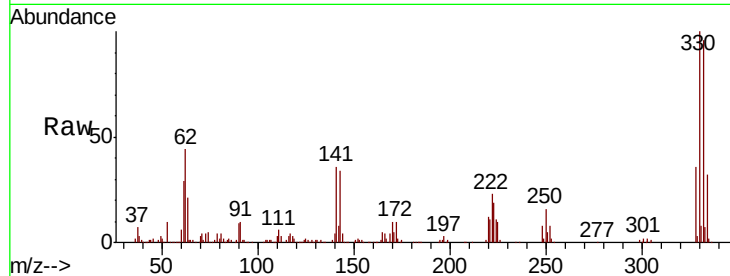
Tot Ion:330 Resp: 300036

Ion Ratio Lower Upper

330 100

332 96.3 76.1 114.1

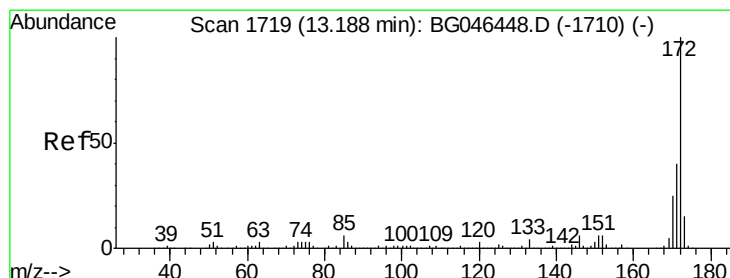
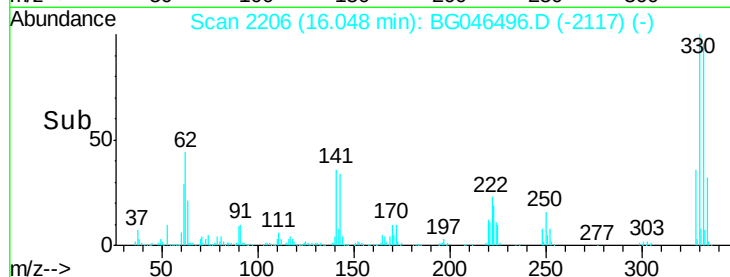
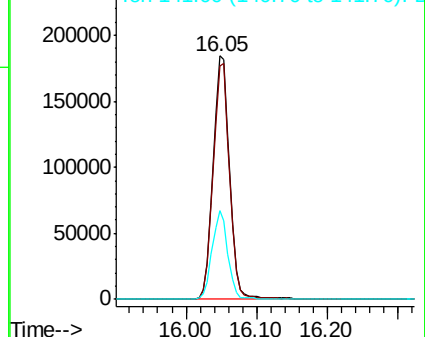
141 34.6 26.1 39.1



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: 78.872 ng

RT: 13.18 min Scan# 1718

Delta R.T. -0.00 min

Lab File: BG046496.D

Acq: 1 Sep 2020 22:50

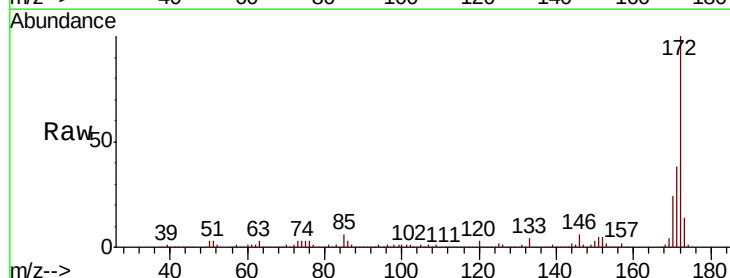
Tgt Ion:172 Resp: 955275

Ion Ratio Lower Upper

172 100

171 38.3 31.8 47.6

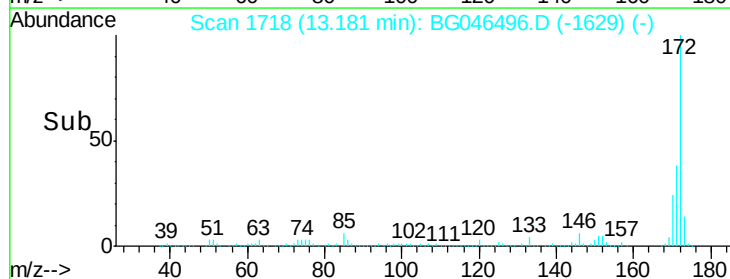
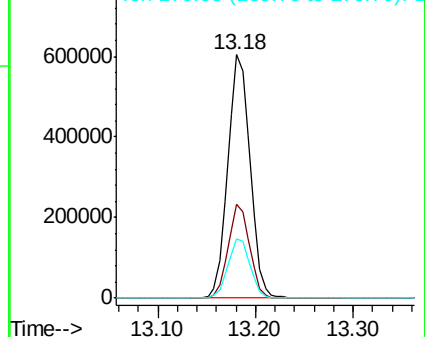
170 24.3 20.3 30.5

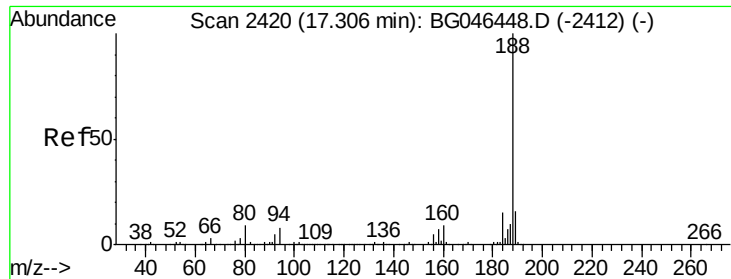


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.31 min Scan# 2420

Delta R.T. 0.00 min

Lab File: BG046496.D

Acq: 1 Sep 2020 22:50

Instrument :

BNA\_G

ClientSampleId :

228

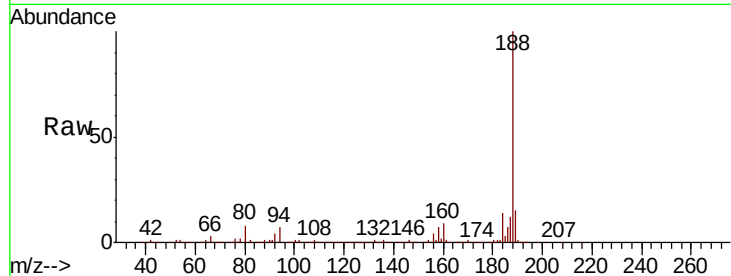
Tot Ion:188 Resp: 454293

Ion Ratio Lower Upper

188 100

94 7.2 6.3 9.5

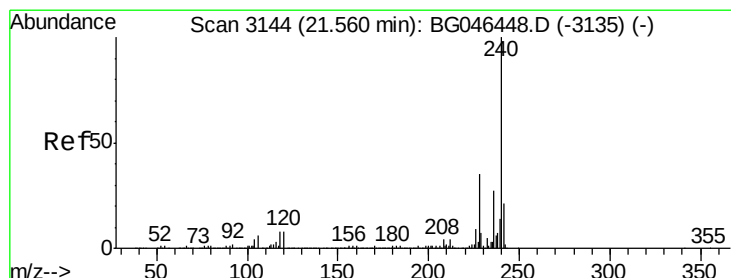
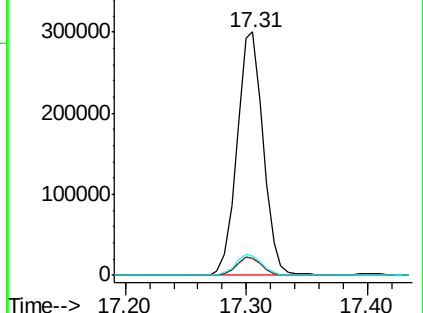
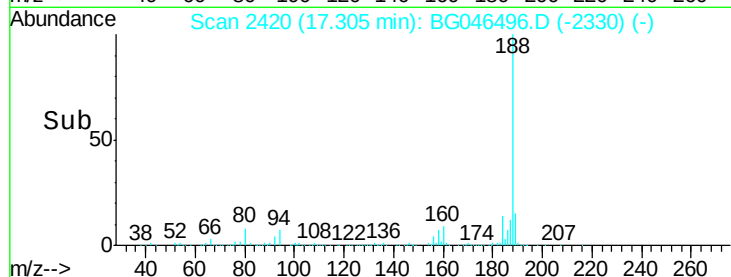
80 8.3 6.9 10.3



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: 21.55 min Scan# 3142

Delta R.T. -0.01 min

Lab File: BG046496.D

Acq: 1 Sep 2020 22:50

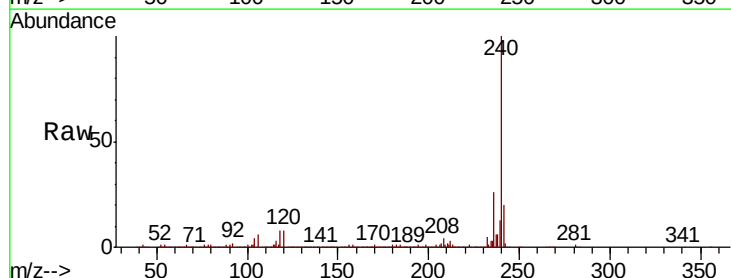
Tgt Ion:240 Resp: 534882

Ion Ratio Lower Upper

240 100

120 8.3 6.6 10.0

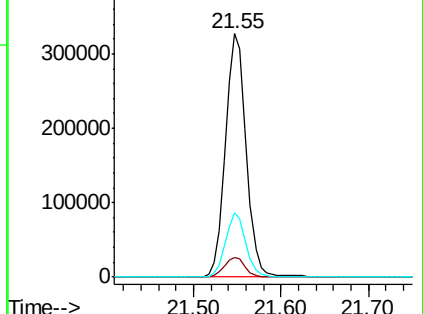
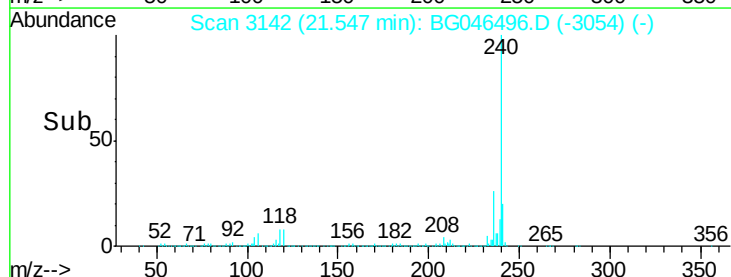
236 26.4 21.4 32.2

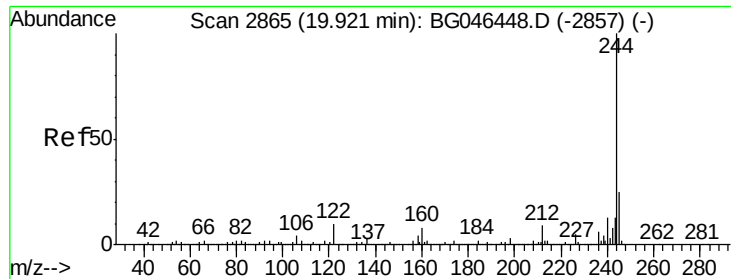


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 73.921 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BG046496.D

Acq: 1 Sep 2020 22:50

Instrument :

BNA\_G

ClientSampleId :

228

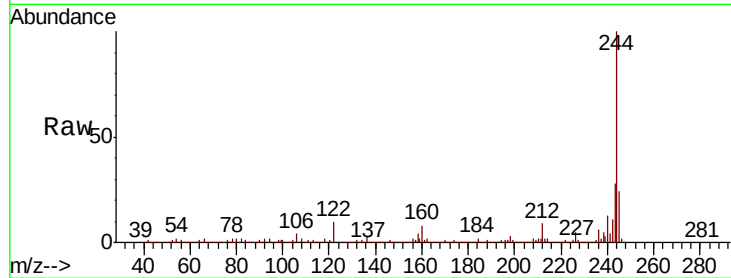
Tot Ion:244 Resp: 1857869

Ion Ratio Lower Upper

244 100

212 9.2 6.9 10.3

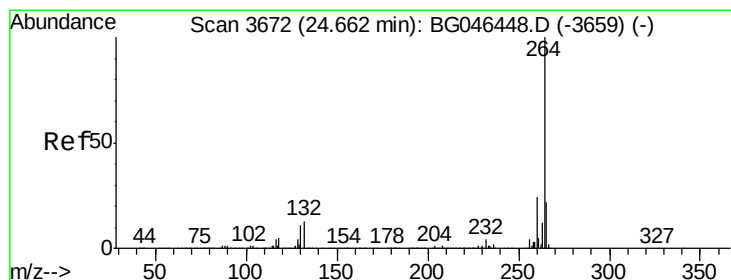
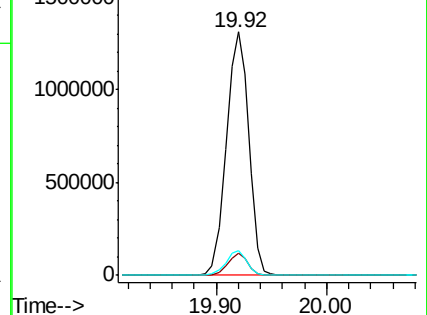
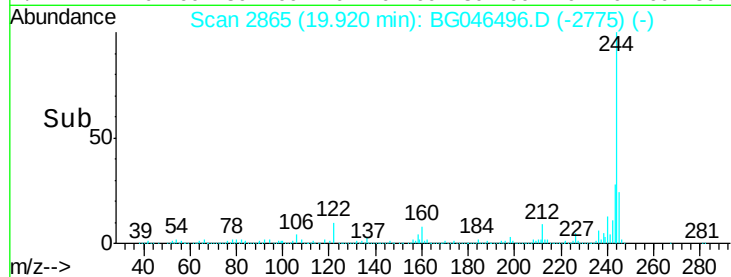
122 10.1 8.2 12.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.65 min Scan# 3670

Delta R.T. -0.00 min

Lab File: BG046496.D

Acq: 1 Sep 2020 22:50

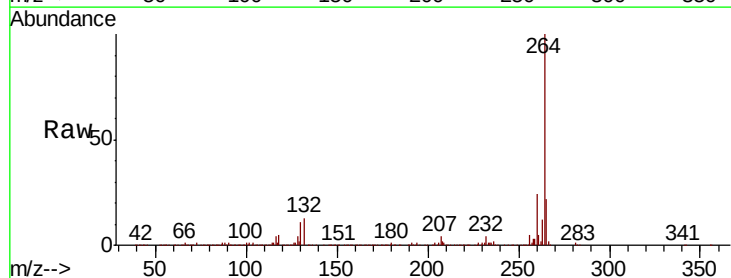
Tgt Ion:264 Resp: 554144

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.6 17.9 26.9



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

