

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071020\  
 Data File : BG046012.D  
 Acq On : 10 Jul 2020 18:31  
 Operator : CG/JU  
 Sample : L3186-05  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-070820

Quant Time: Jul 11 04:13:42 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 07 09:58:42 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.01  | 152  | 145902   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.80 | 136  | 607462   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.63 | 164  | 386031   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.37 | 188  | 856200   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.63 | 240  | 755617   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.78 | 264  | 742045   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.59  | 112  | 1066794  | 118.57 | ng    | 0.00     |
| 7) Phenol-d6                | 7.17  | 99   | 1369916  | 105.76 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.16  | 82   | 1154570  | 109.40 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.11 | 330  | 584514   | 163.15 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.26 | 172  | 2142008  | 86.55  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.99 | 244  | 2958560  | 87.14  | ng    | 0.00     |

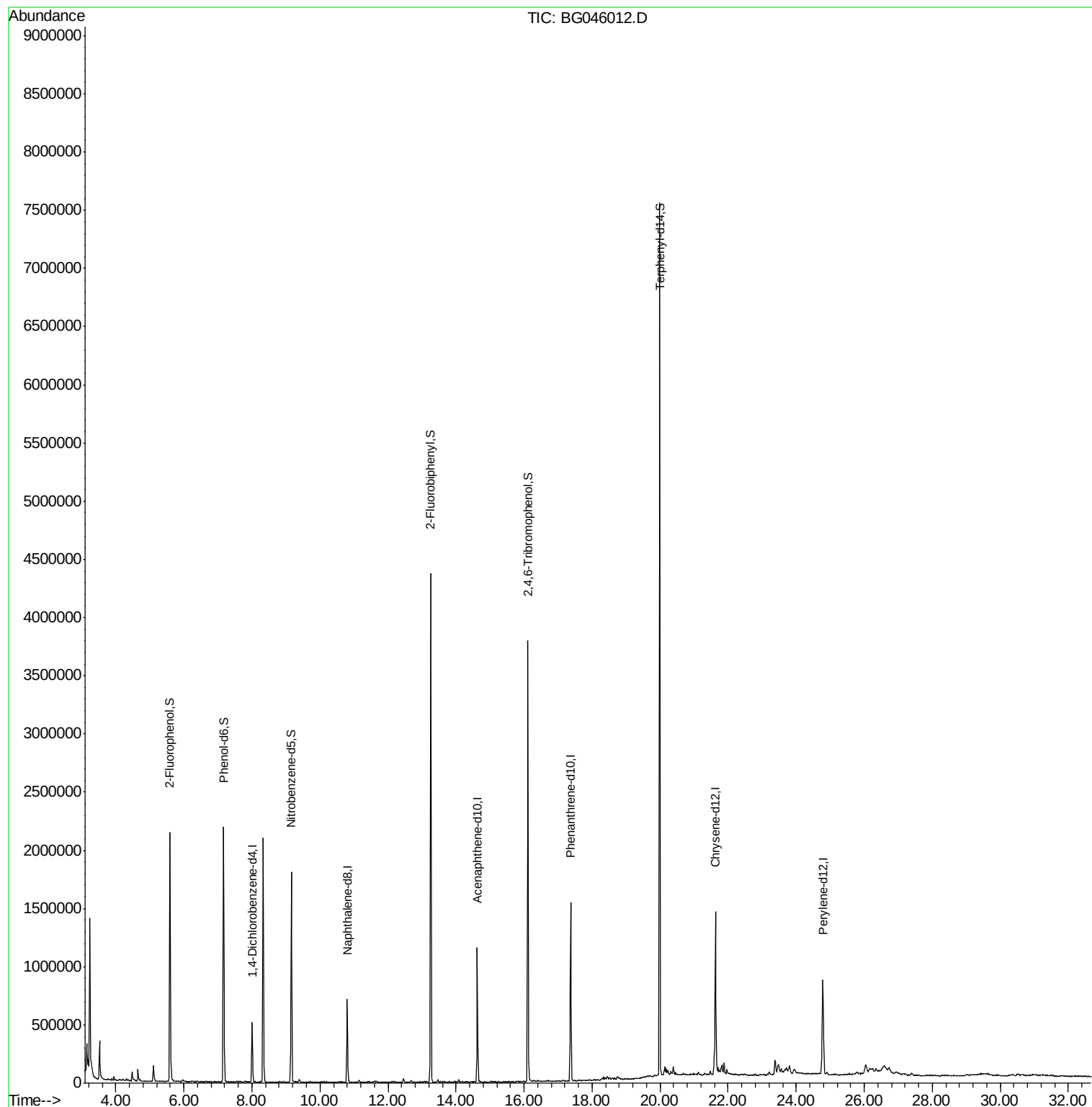
Target Compounds Qvalue

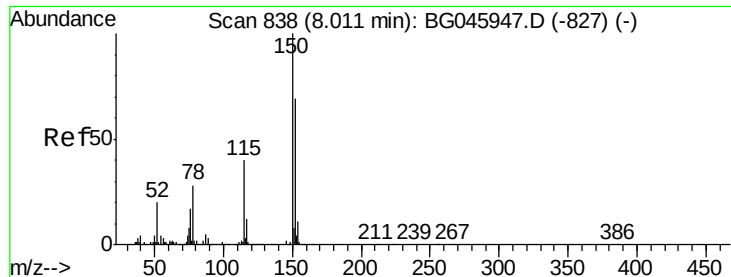
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 07 09:58:42 2020  
Response via : Initial Calibration



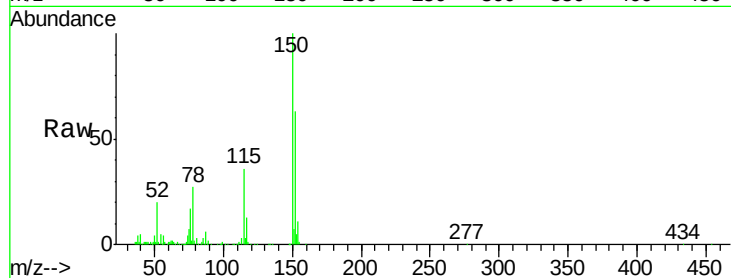


#1

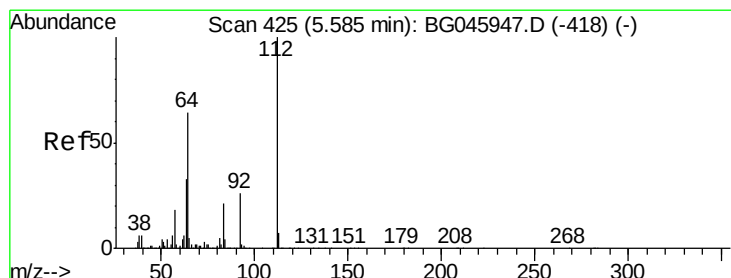
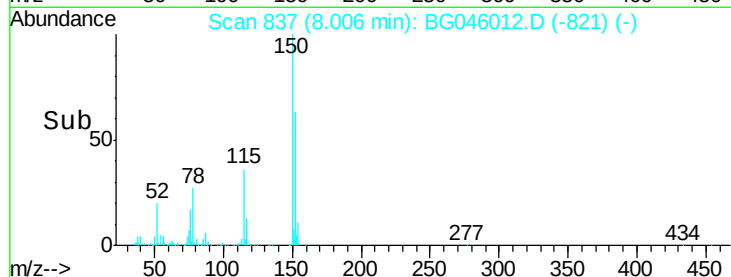
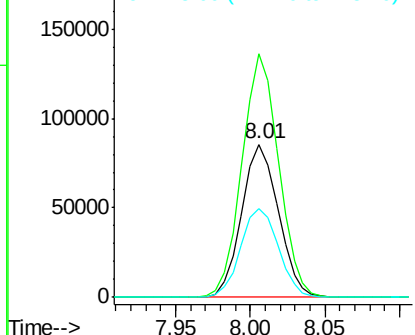
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.01 min Scan# 837  
Delta R.T. -0.01 min  
Lab File: BG046012.D  
Acq: 10 Jul 2020 18:31

Instrument :  
BNA\_G  
ClientSampleId :  
OR-02-070820

Tot Ion:152 Resp: 145902  
Ion Ratio Lower Upper  
152 100  
150 158.8 116.7 175.1  
115 57.8 47.4 71.0



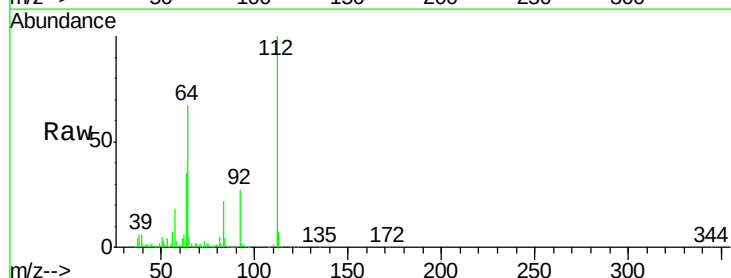
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



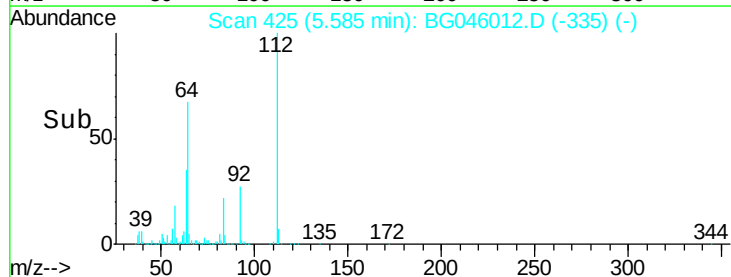
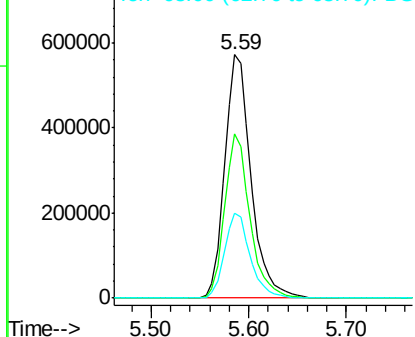
#5

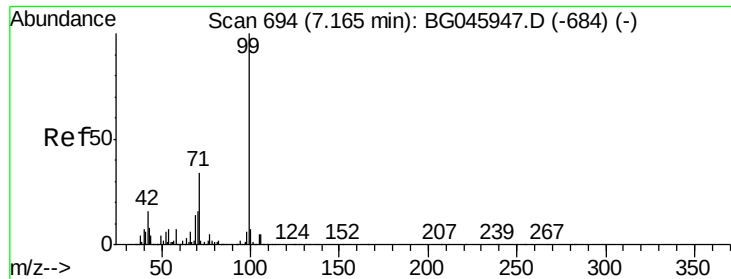
2-Fluorophenol  
Concen: 118.572 ng  
RT: 5.59 min Scan# 425  
Delta R.T. 0.00 min  
Lab File: BG046012.D  
Acq: 10 Jul 2020 18:31

Tgt Ion:112 Resp: 1066794  
Ion Ratio Lower Upper  
112 100  
64 67.3 51.4 77.2  
63 35.1 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 105.759 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG046012.D

Acq: 10 Jul 2020 18:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-070820

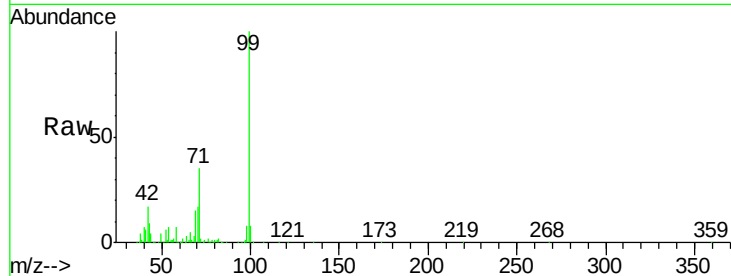
Tot Ion: 99 Resp: 1369916

Ion Ratio Lower Upper

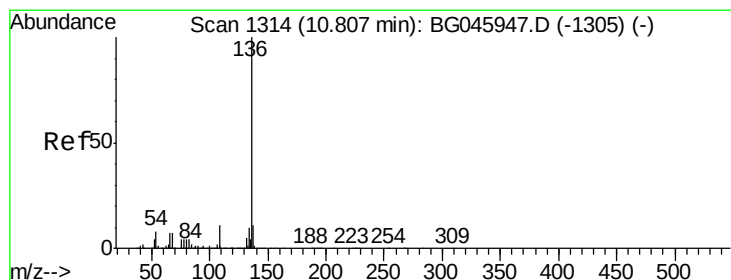
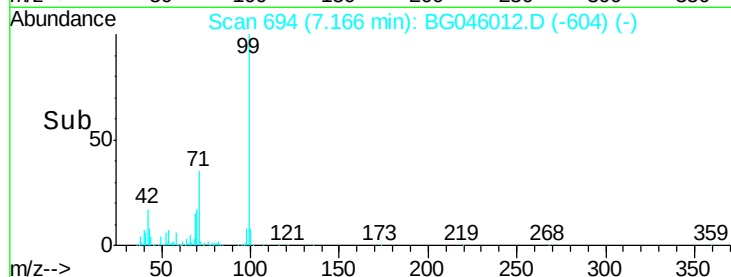
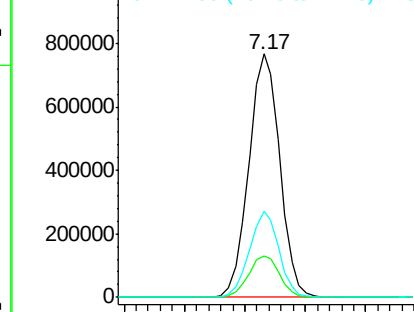
99 100

42 17.1 13.0 19.4

71 35.2 27.5 41.3



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: 10.80 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BG046012.D

Acq: 10 Jul 2020 18:31

Tgt Ion: 136 Resp: 607462

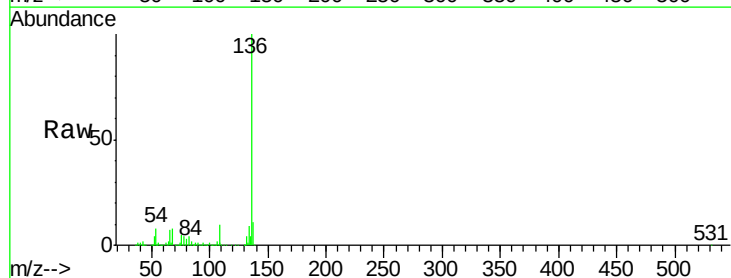
Ion Ratio Lower Upper

136 100

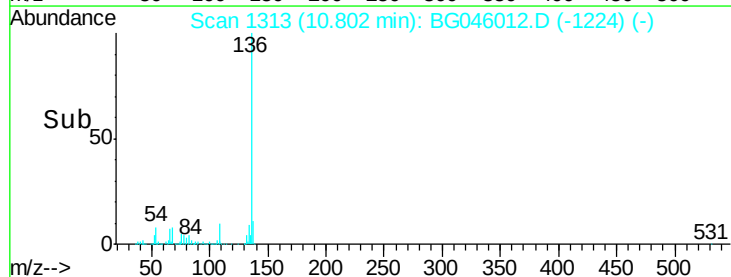
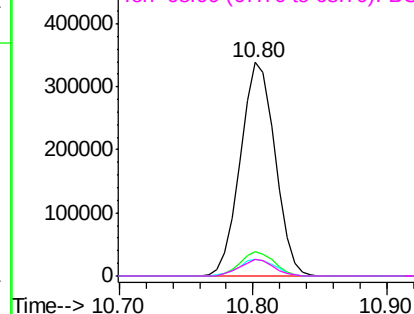
137 11.4 9.2 13.8

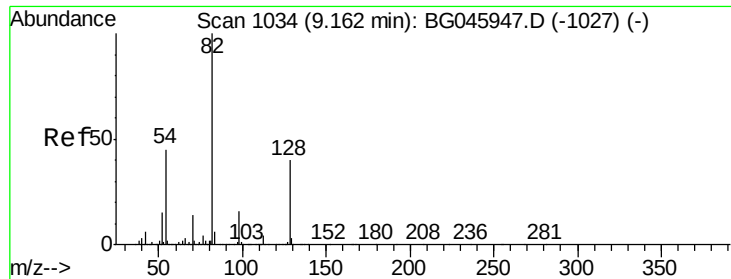
54 8.1 6.2 9.4

68 7.9 5.8 8.8



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

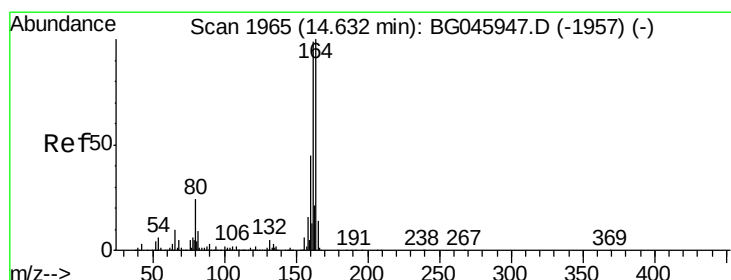
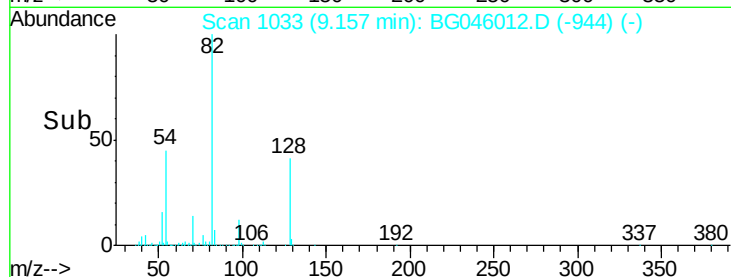
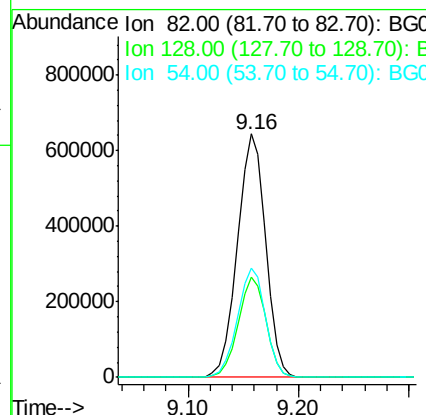
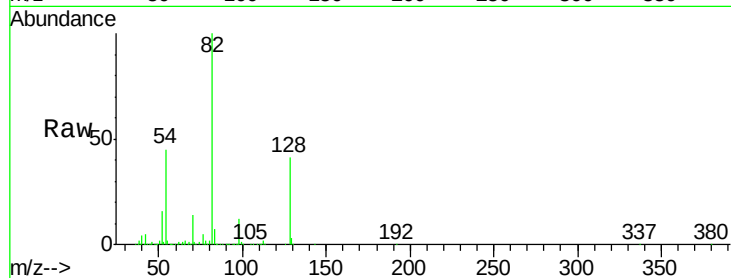




#23  
 Nitrobenzene-d5  
 Concen: 109.397 ng  
 RT: 9.16 min Scan# 1033  
 Delta R.T. -0.01 min  
 Lab File: BG046012.D  
 Acq: 10 Jul 2020 18:31

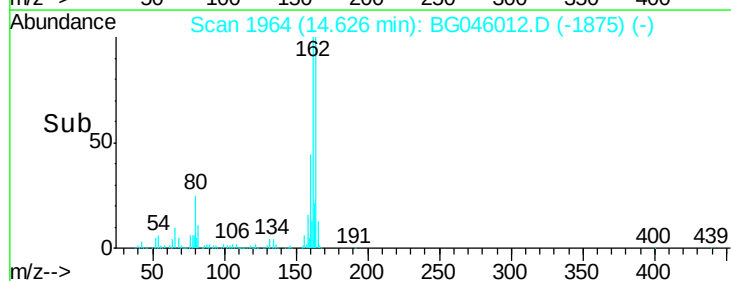
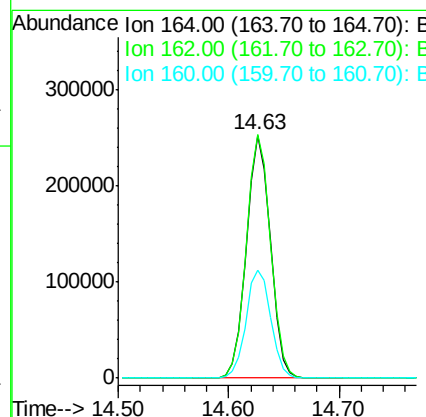
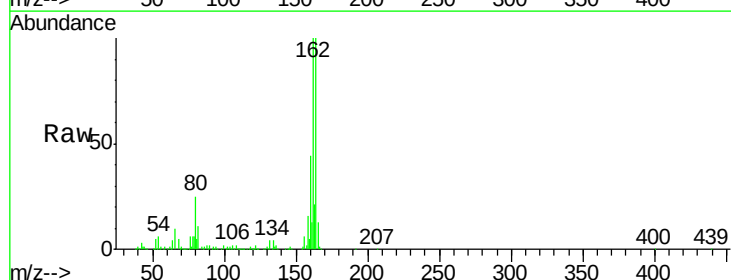
Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-02-070820

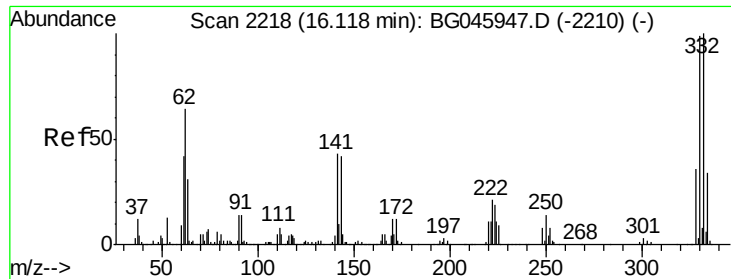
Tot Ion: 82 Resp: 1154570  
 Ion Ratio Lower Upper  
 82 100  
 128 41.2 32.2 48.4  
 54 44.8 35.8 53.6



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.63 min Scan# 1964  
 Delta R.T. -0.01 min  
 Lab File: BG046012.D  
 Acq: 10 Jul 2020 18:31

Tgt Ion:164 Resp: 386031  
 Ion Ratio Lower Upper  
 164 100  
 162 100.4 79.3 118.9  
 160 44.3 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 163.146 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BG046012.D

Acq: 10 Jul 2020 18:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-070820

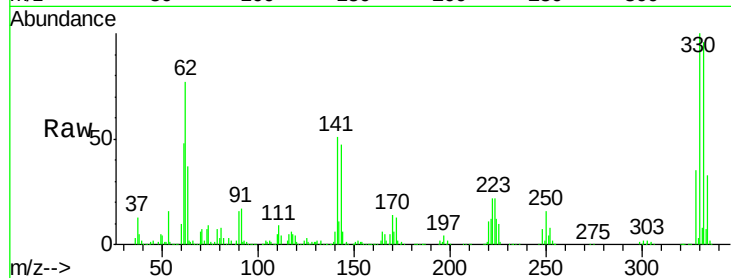
Tot Ion:330 Resp: 584514

Ion Ratio Lower Upper

330 100

332 96.2 78.3 117.5

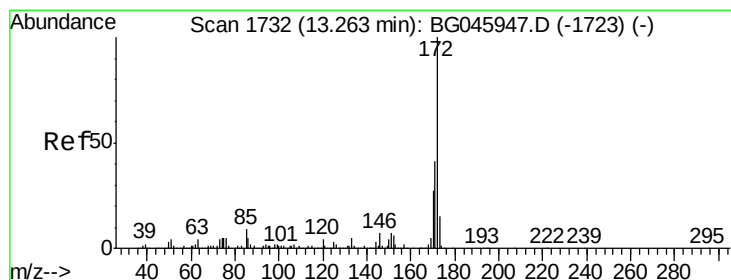
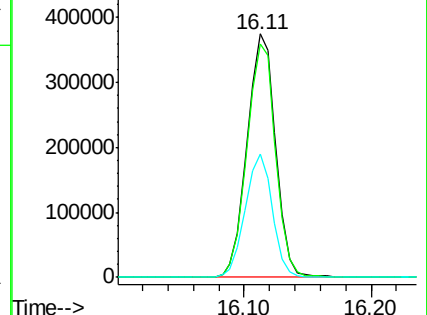
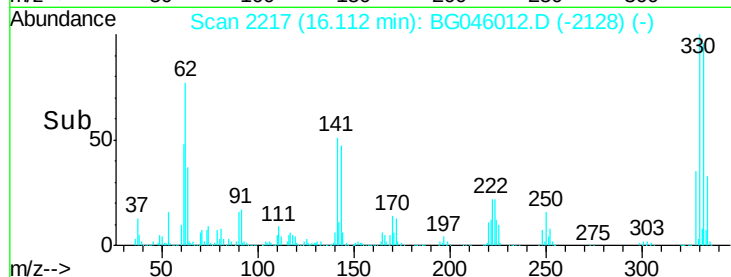
141 48.3 36.6 54.8



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: 86.552 ng

RT: 13.26 min Scan# 1731

Delta R.T. -0.01 min

Lab File: BG046012.D

Acq: 10 Jul 2020 18:31

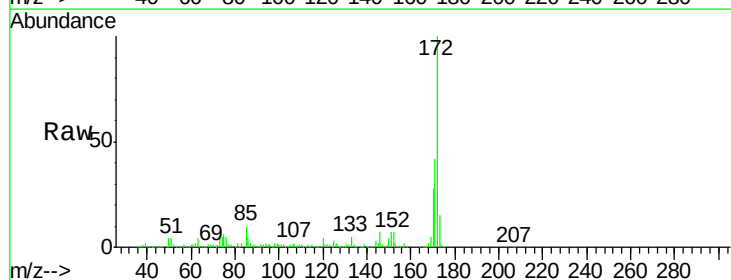
Tgt Ion:172 Resp: 2142008

Ion Ratio Lower Upper

172 100

171 41.6 32.9 49.3

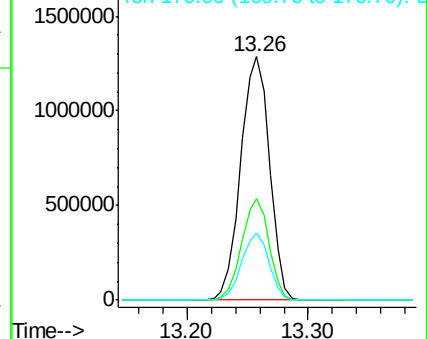
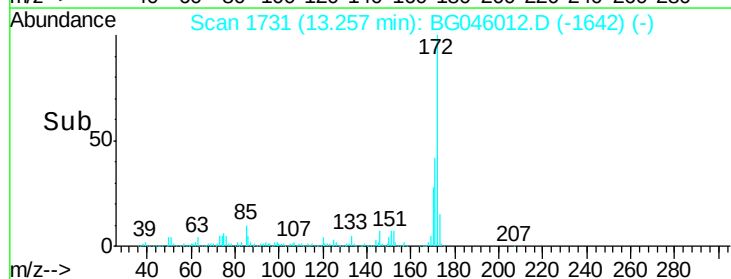
170 27.7 21.8 32.6

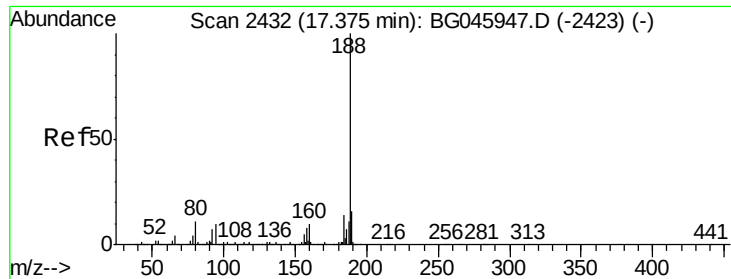


Abundance Ion 172.00 (171.70 to 172.70): E

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: 17.37 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BG046012.D

Acq: 10 Jul 2020 18:31

Instrument :

BNA\_G

ClientSampleId :

OR-02-070820

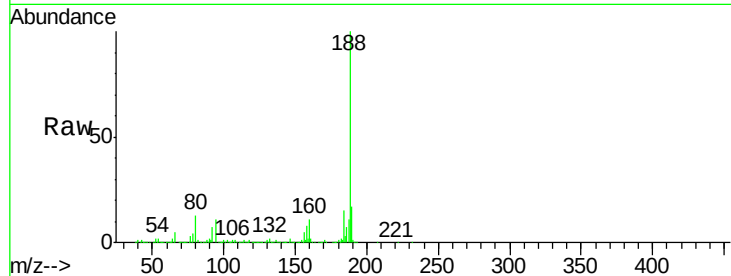
Tot Ion:188 Resp: 856200

Ion Ratio Lower Upper

188 100

94 10.9 8.2 12.4

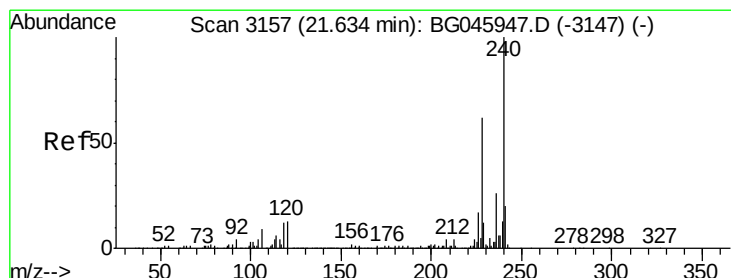
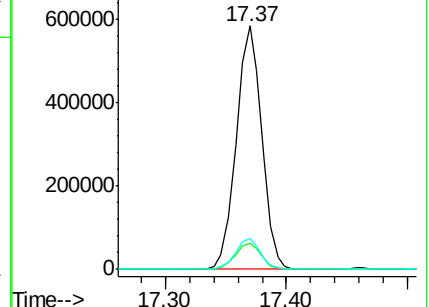
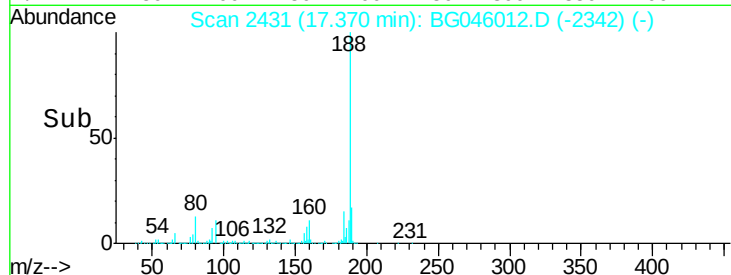
80 12.8 9.0 13.6



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: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG046012.D

Acq: 10 Jul 2020 18:31

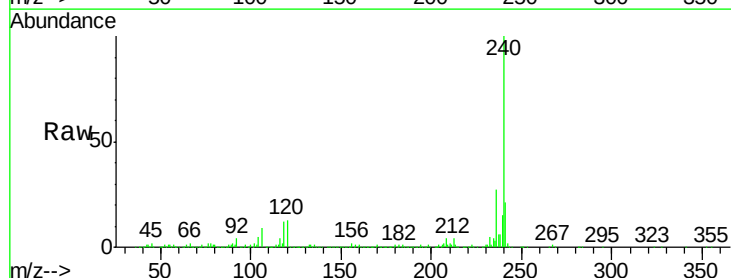
Tgt Ion:240 Resp: 755617

Ion Ratio Lower Upper

240 100

120 12.9 10.6 16.0

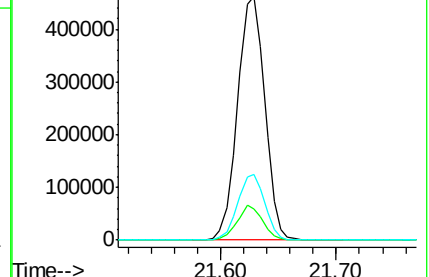
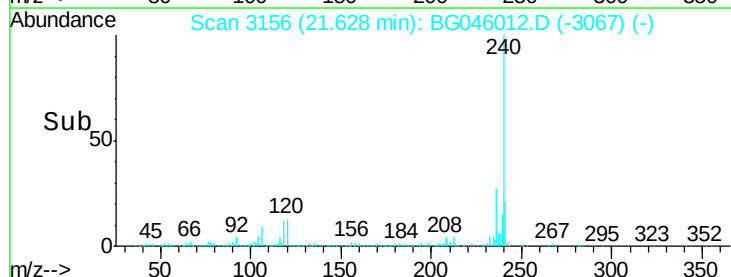
236 26.8 20.4 30.6

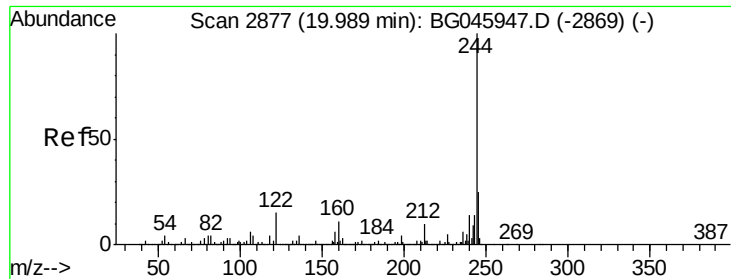


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 87.138 ng

RT: 19.99 min Scan# 2877

Delta R.T. 0.00 min

Lab File: BG046012.D

Acq: 10 Jul 2020 18:31

Instrument :

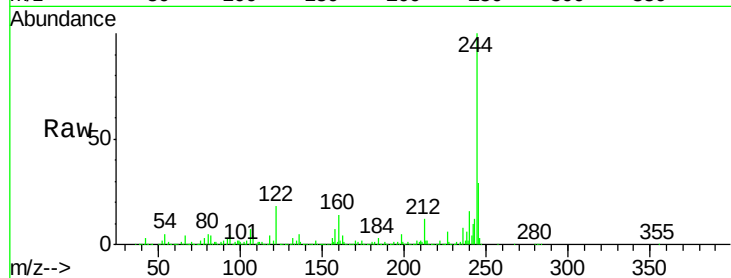
BNA\_G

ClientSampleId :

OR-02-070820

Tot Ion:244 Resp: 2958560

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 11.8  | 8.3   | 12.5  |
| 122 | 17.7  | 12.1  | 18.1  |

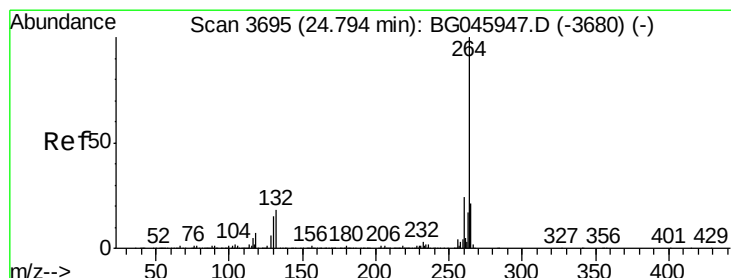
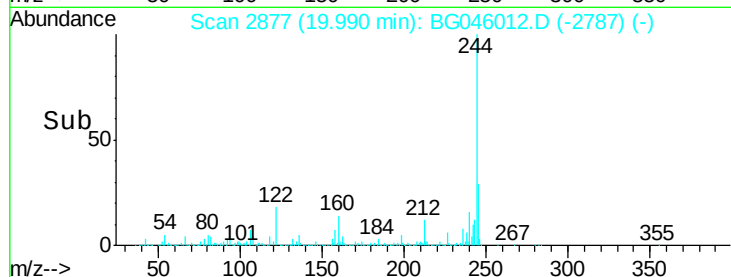
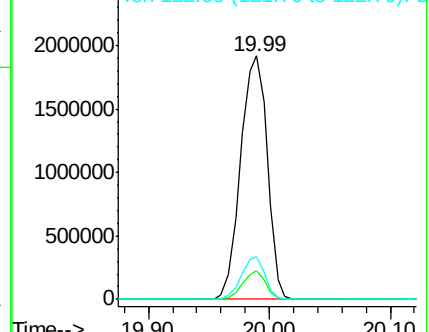


Abundance

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.78 min Scan# 3693

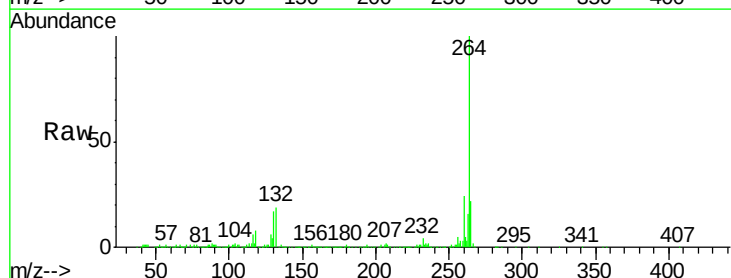
Delta R.T. -0.01 min

Lab File: BG046012.D

Acq: 10 Jul 2020 18:31

Tgt Ion:264 Resp: 742045

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.0  | 19.0  | 28.6  |
| 265 | 21.8  | 16.9  | 25.3  |



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

