

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011720\  
 Data File : BG044078.D  
 Acq On : 17 Jan 2020 17:21  
 Operator : JU  
 Sample : PB126138BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB126138BL

Quant Time: Jan 18 03:31:08 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 31 13:32:23 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.93  | 152  | 74820    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 10.74 | 136  | 318769   | 20.00  | ng    | -0.03    |
| 39) Acenaphthene-d10        | 14.57 | 164  | 228249   | 20.00  | ng    | -0.03    |
| 64) Phenanthrene-d10        | 17.31 | 188  | 519143   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.56 | 240  | 438888   | 20.00  | ng    | -0.03    |
| 87) Perylene-d12            | 24.67 | 264  | 486774   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.51  | 112  | 442712   | 108.64 | ng    | -0.02    |
| 7) Phenol-d6                | 7.11  | 99   | 413198   | 72.54  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.09  | 82   | 525373   | 88.17  | ng    | -0.04    |
| 42) 2,4,6-Tribromophenol    | 16.06 | 330  | 400470   | 167.66 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 13.19 | 172  | 1243668  | 98.72  | ng    | -0.03    |
| 79) Terphenyl-d14           | 19.93 | 244  | 1949533  | 117.91 | ng    | -0.03    |

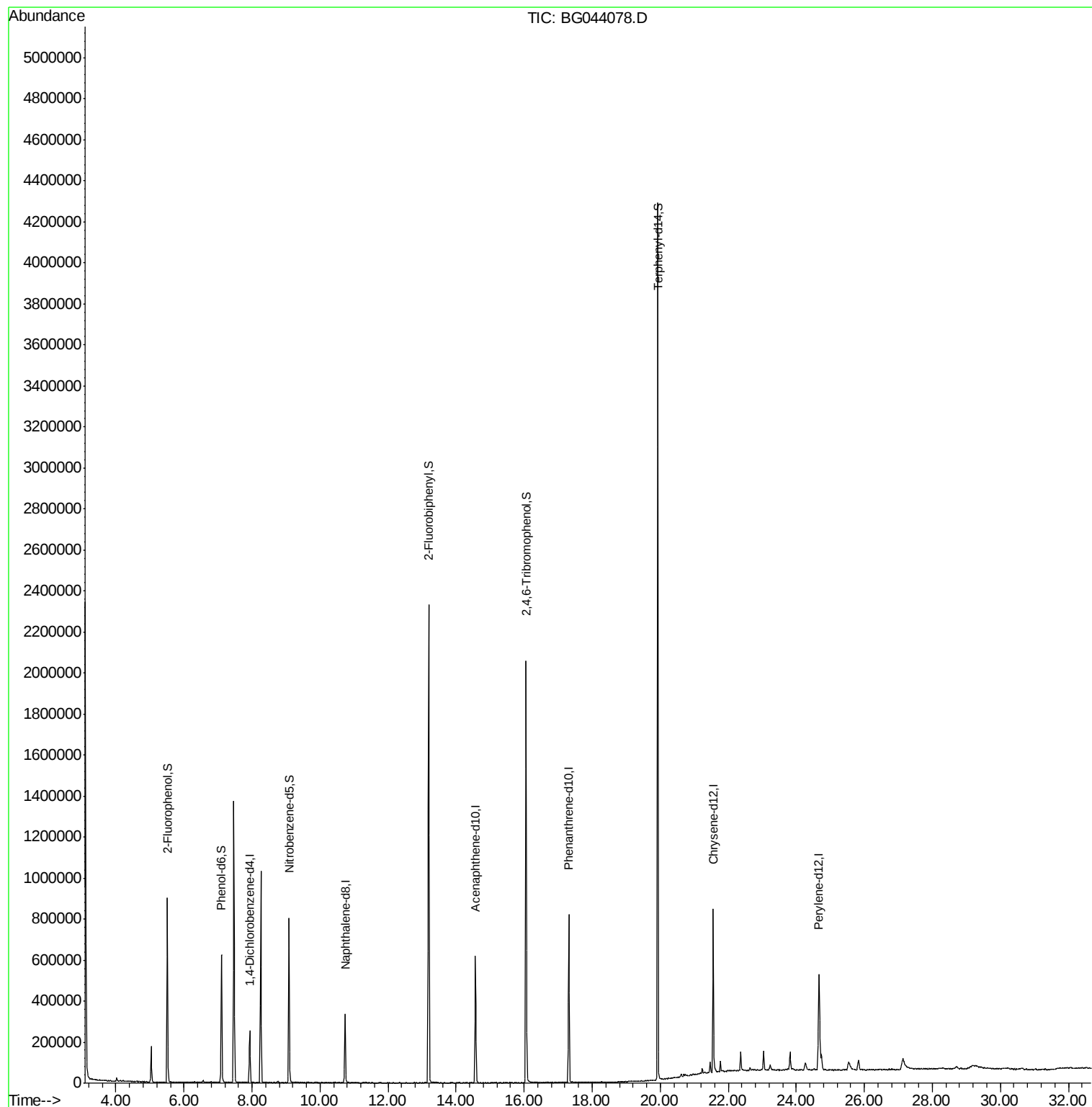
Target Compounds Qvalue

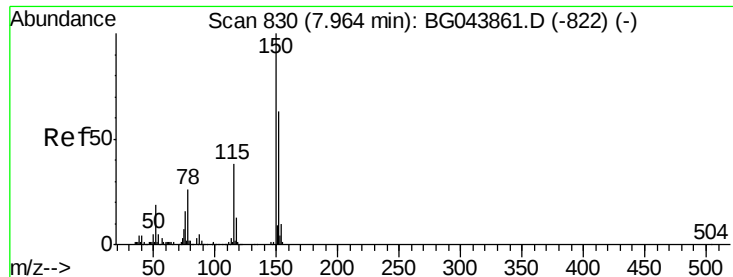
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 31 13:32:23 2019  
Response via : Initial Calibration



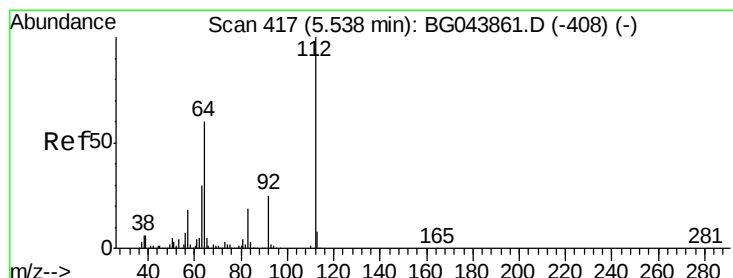
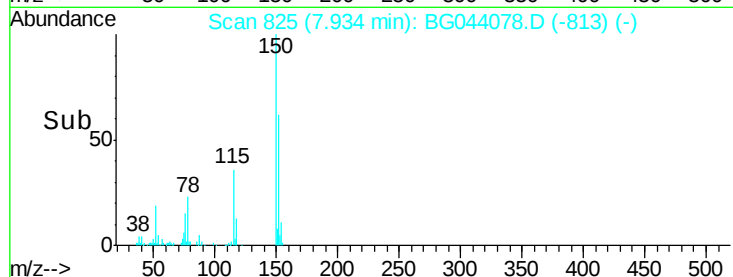
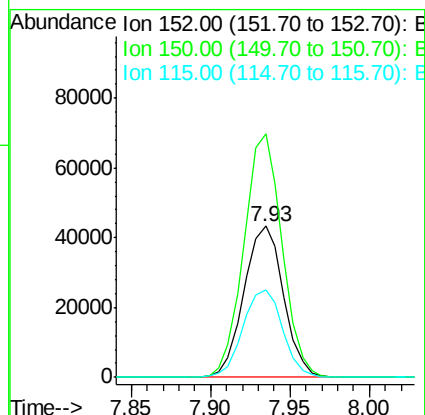
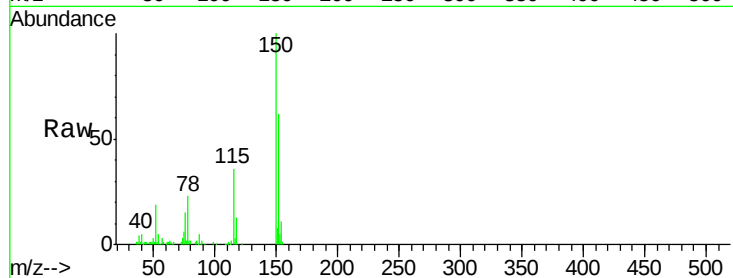


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.93 min Scan# 825  
Delta R.T. -0.03 min  
Lab File: BG044078.D  
Acq: 17 Jan 2020 17:21

Instrument :  
BNA\_G  
ClientSampleId :  
PB126138BL

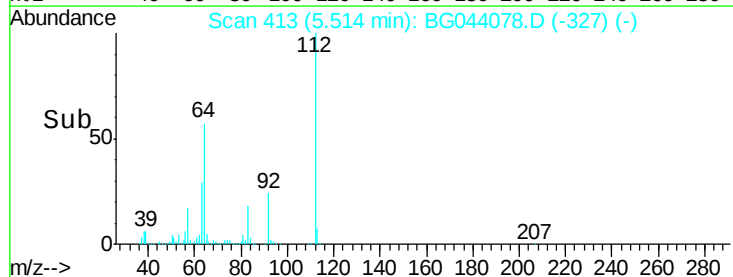
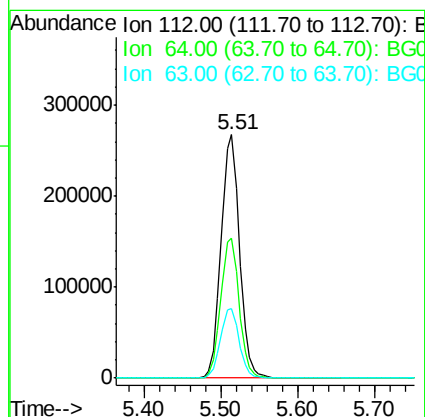
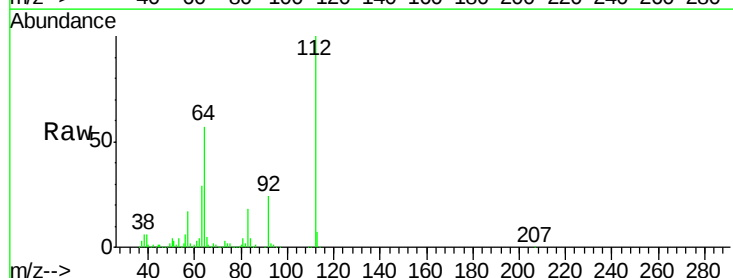
Tot Ion:152 Resp: 74820  
Ion Ratio Lower Upper  
152 100  
150 160.9 127.0 190.4  
115 57.8 47.8 71.8

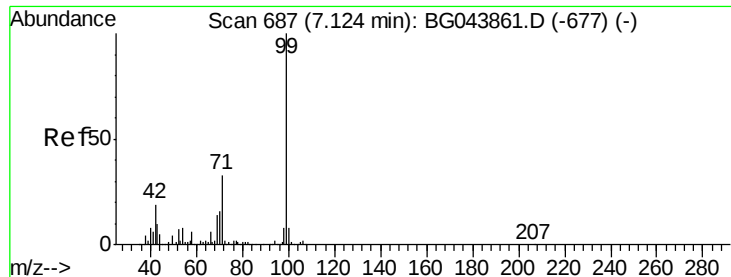


#5

2-Fluorophenol  
Concen: 108.644 ng  
RT: 5.51 min Scan# 413  
Delta R.T. -0.02 min  
Lab File: BG044078.D  
Acq: 17 Jan 2020 17:21

Tgt Ion:112 Resp: 442712  
Ion Ratio Lower Upper  
112 100  
64 57.4 47.8 71.6  
63 28.6 24.3 36.5





#7

Phenol-d6

Concen: 72.542 ng

RT: 7.11 min Scan# 684

Delta R.T. -0.02 min

Lab File: BG044078.D

Acq: 17 Jan 2020 17:21

Instrument :

BNA\_G

ClientSampleId :

PB126138BL

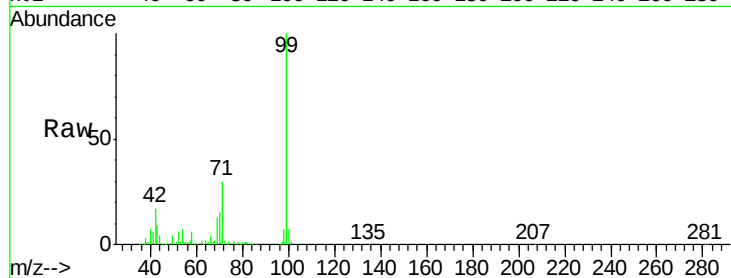
Tot Ion: 99 Resp: 413198

Ion Ratio Lower Upper

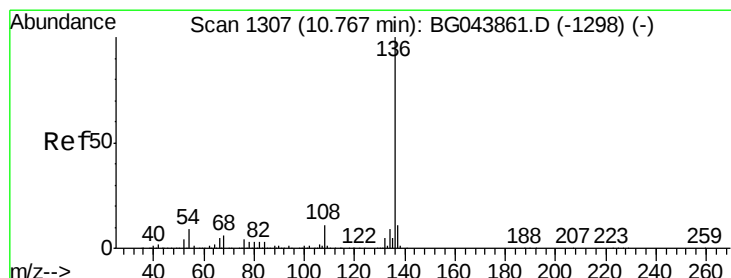
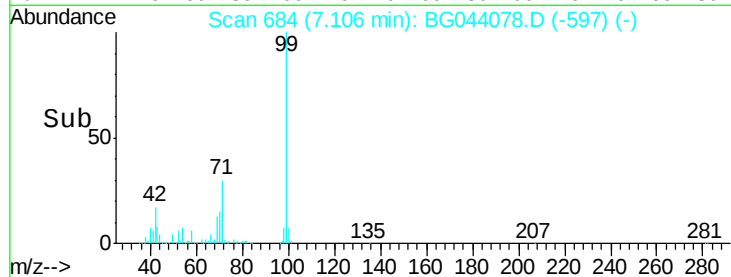
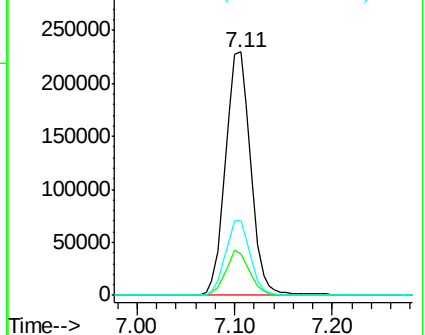
99 100

42 16.8 14.9 22.3

71 30.5 26.4 39.6



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: 10.74 min Scan# 1302

Delta R.T. -0.03 min

Lab File: BG044078.D

Acq: 17 Jan 2020 17:21

Tgt Ion: 136 Resp: 318769

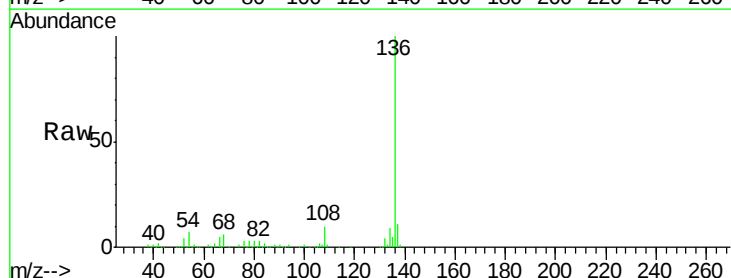
Ion Ratio Lower Upper

136 100

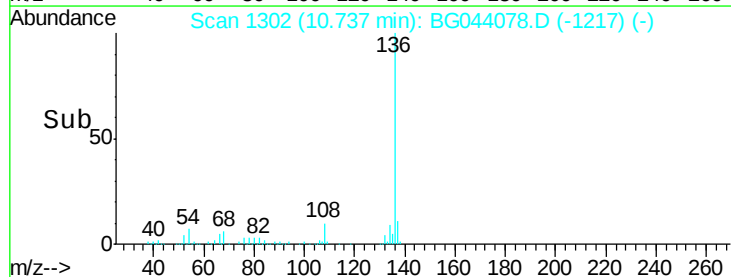
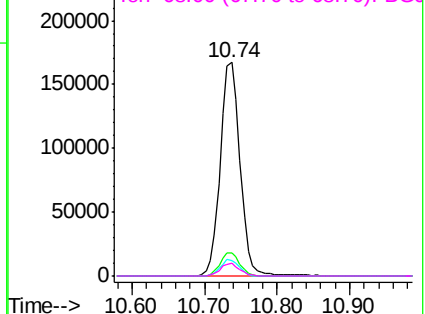
137 10.8 8.8 13.2

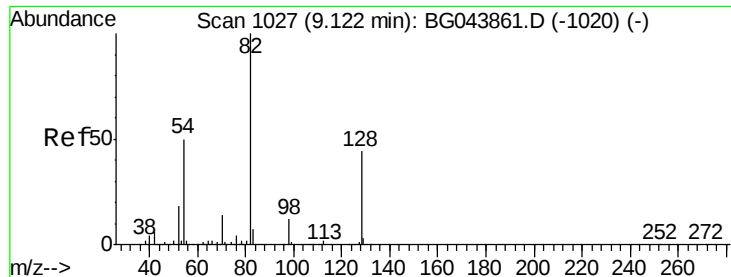
54 7.2 7.0 10.4

68 5.9 4.9 7.3



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

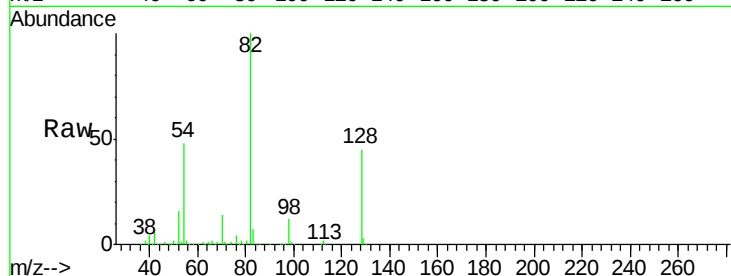




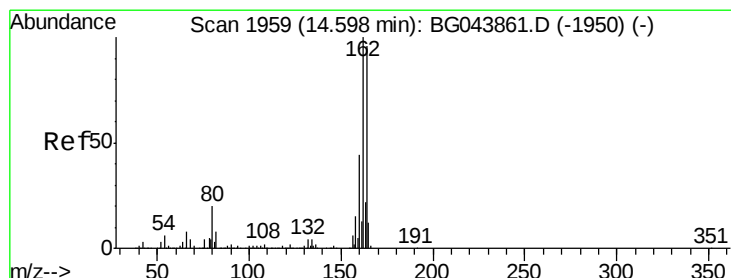
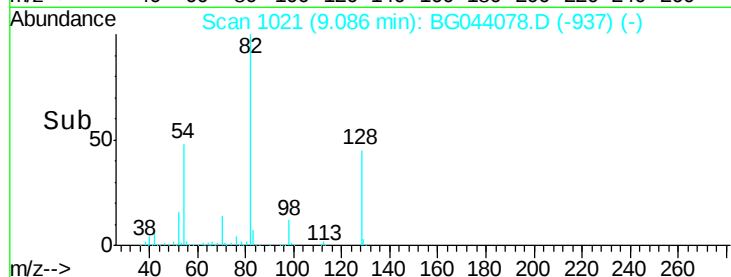
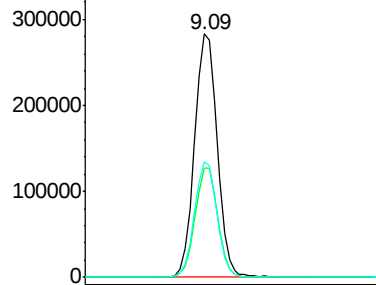
#23  
Nitrobenzene-d5  
Concen: 88.168 ng  
RT: 9.09 min Scan# 1021  
Delta R.T. -0.04 min  
Lab File: BG044078.D  
Acq: 17 Jan 2020 17:21

Instrument :  
BNA\_G  
ClientSampleId :  
PB126138BL

| Tot Ion   | 82    | Resp  | 525373 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 44.8  | 35.1  | 52.7   |
| 54        | 47.7  | 40.1  | 60.1   |

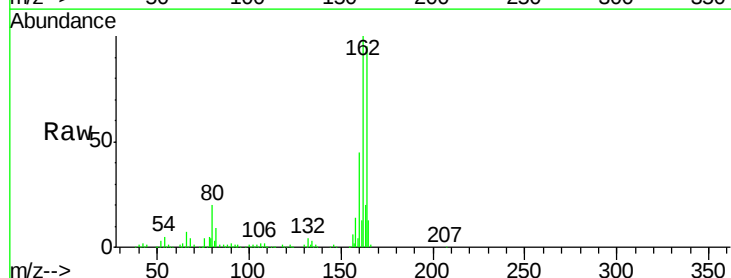


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

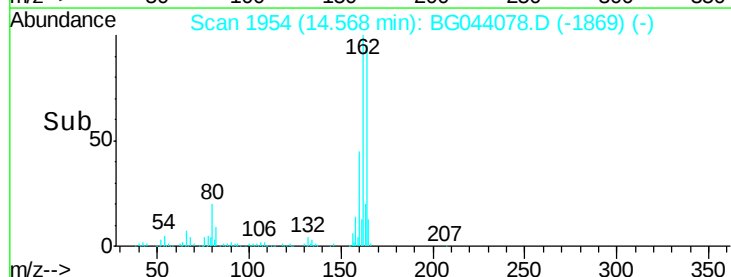
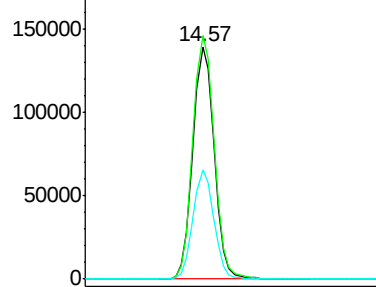


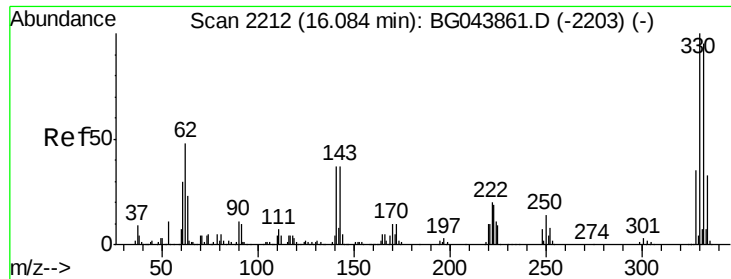
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.57 min Scan# 1954  
Delta R.T. -0.03 min  
Lab File: BG044078.D  
Acq: 17 Jan 2020 17:21

| Tgt Ion   | 164   | Resp  | 228249 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 104.9 | 83.0  | 124.4  |
| 160       | 47.0  | 36.1  | 54.1   |



Abundance Ion 164.00 (163.70 to 164.70): BGC  
Ion 162.00 (161.70 to 162.70): BGC  
Ion 160.00 (159.70 to 160.70): BGC

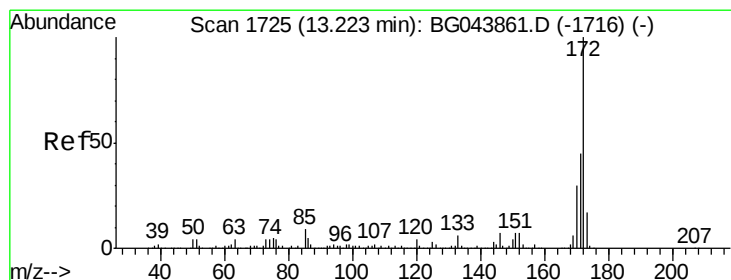
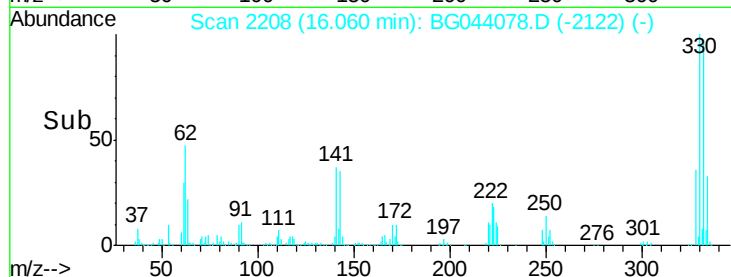
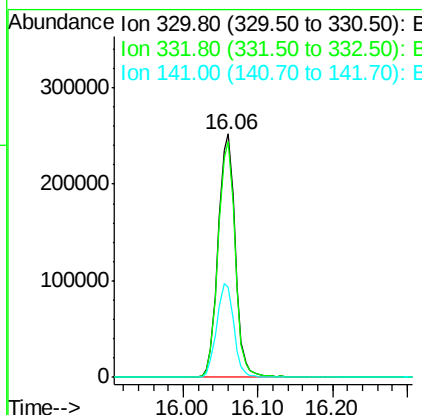
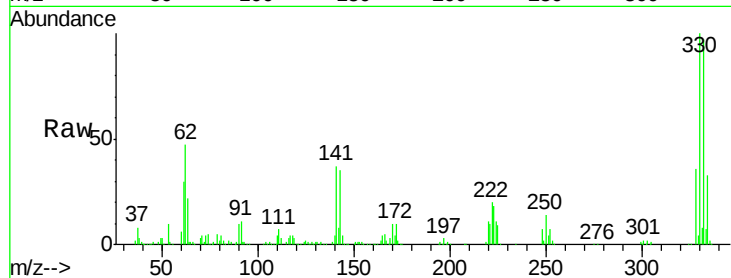




#42  
 2,4,6-Tribromophenol  
 Concen: 167.660 ng  
 RT: 16.06 min Scan# 2208  
 Delta R.T. -0.02 min  
 Lab File: BG044078.D  
 Acq: 17 Jan 2020 17:21

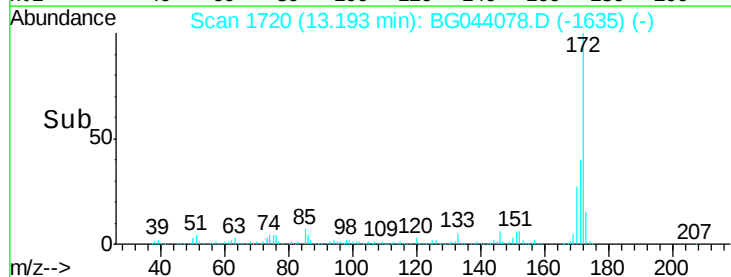
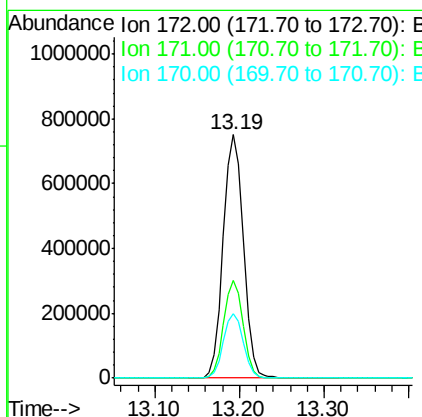
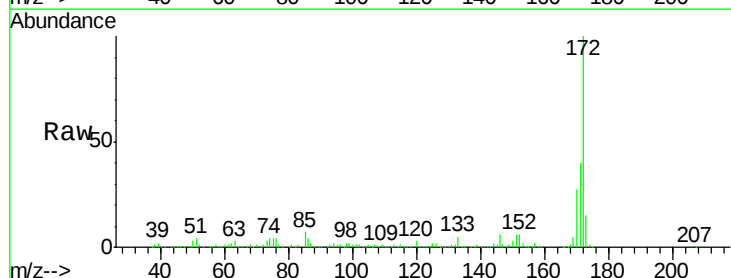
Instrument :  
 BNA\_G  
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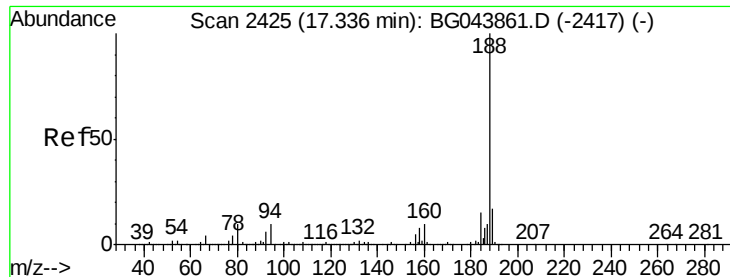
Tot Ion:330 Resp: 400470  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 77.2 115.8  
 141 38.8 33.1 49.7



#45  
 2-Fluorobiphenyl  
 Concen: 98.718 ng  
 RT: 13.19 min Scan# 1720  
 Delta R.T. -0.03 min  
 Lab File: BG044078.D  
 Acq: 17 Jan 2020 17:21

Tgt Ion:172 Resp: 1243668  
 Ion Ratio Lower Upper  
 172 100  
 171 40.2 35.8 53.8  
 170 26.7 24.2 36.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.31 min Scan# 2421

Delta R.T. -0.02 min

Lab File: BG044078.D

Acq: 17 Jan 2020 17:21

Instrument :

BNA\_G

ClientSampleId :

PB126138BL

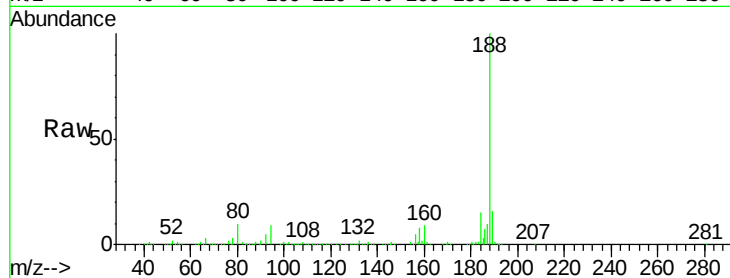
Tot Ion:188 Resp: 519143

Ion Ratio Lower Upper

188 100

94 9.0 7.9 11.9

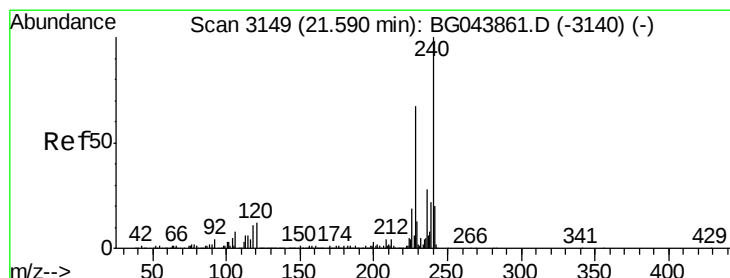
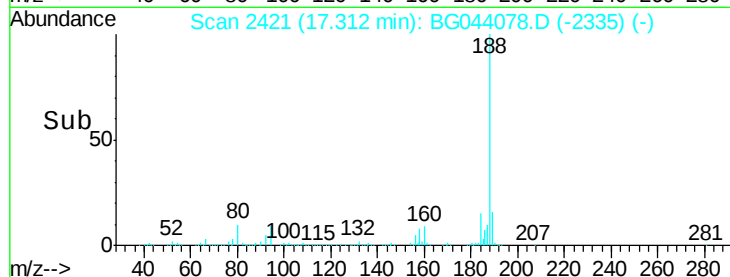
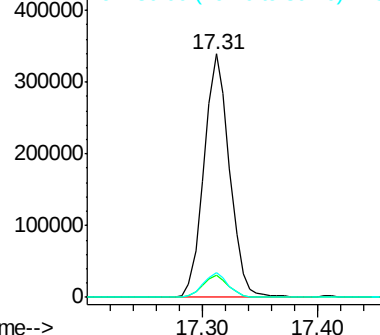
80 10.2 8.2 12.4



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: 21.56 min Scan# 3144

Delta R.T. -0.03 min

Lab File: BG044078.D

Acq: 17 Jan 2020 17:21

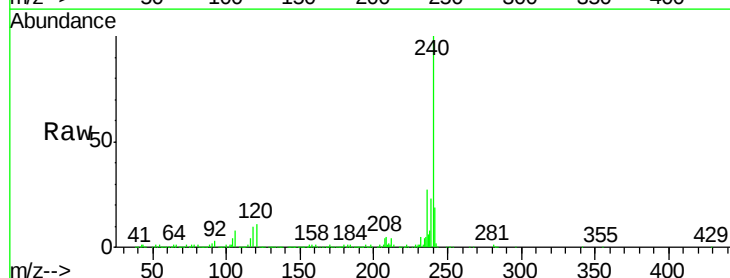
Tgt Ion:240 Resp: 438888

Ion Ratio Lower Upper

240 100

120 10.9 9.6 14.4

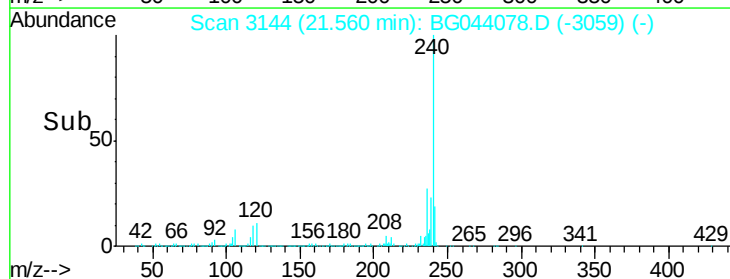
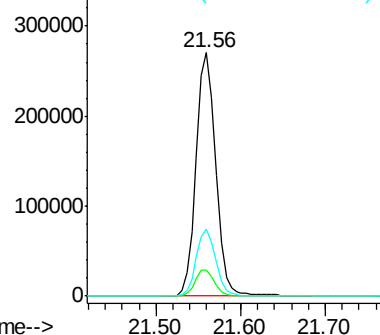
236 27.4 22.2 33.2

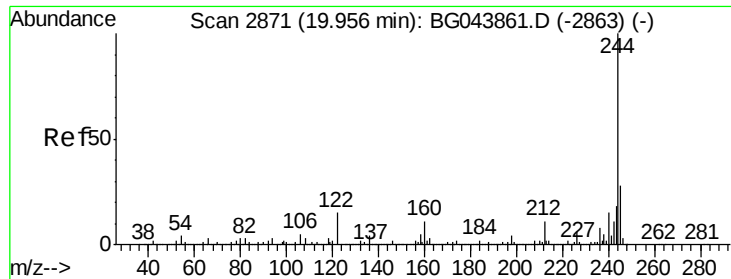


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 117.907 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044078.D

Acq: 17 Jan 2020 17:21

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ClientSampleId :

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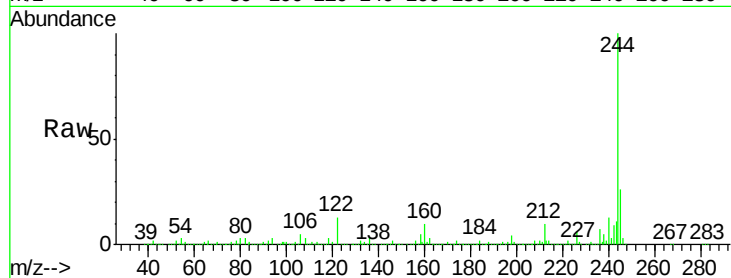
Tot Ion:244 Resp: 1949533

Ion Ratio Lower Upper

244 100

212 9.5 8.6 13.0

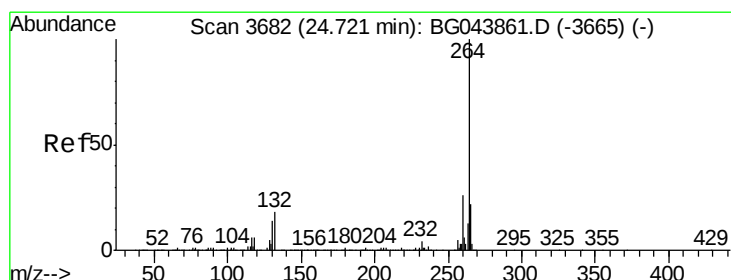
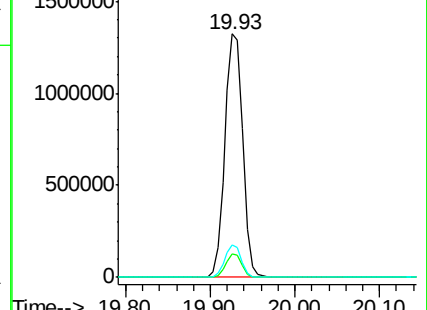
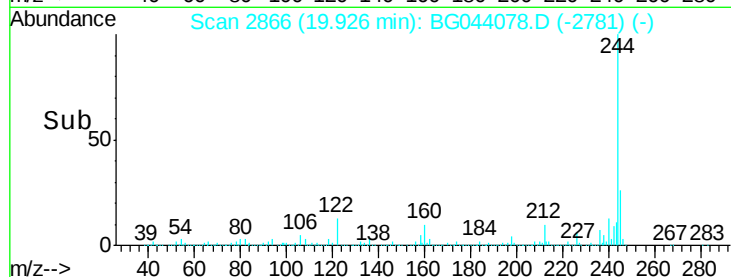
122 13.5 11.9 17.9



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: 24.67 min Scan# 3673

Delta R.T. -0.05 min

Lab File: BG044078.D

Acq: 17 Jan 2020 17:21

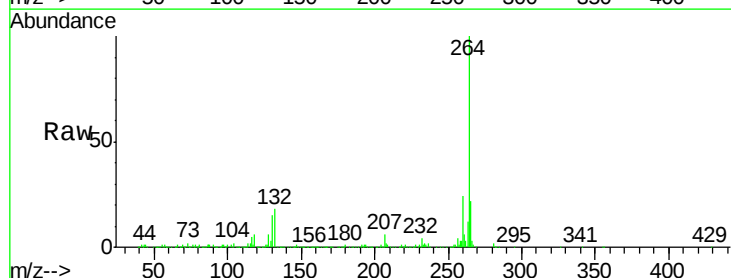
Tgt Ion:264 Resp: 486774

Ion Ratio Lower Upper

264 100

260 24.0 20.4 30.6

265 22.0 17.4 26.2



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

