

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010820\  
 Data File : BG043990.D  
 Acq On : 9 Jan 2020 7:08  
 Operator : JU  
 Sample : L1048-05  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FRONT-PIER-E

Quant Time: Jan 09 08:03:08 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

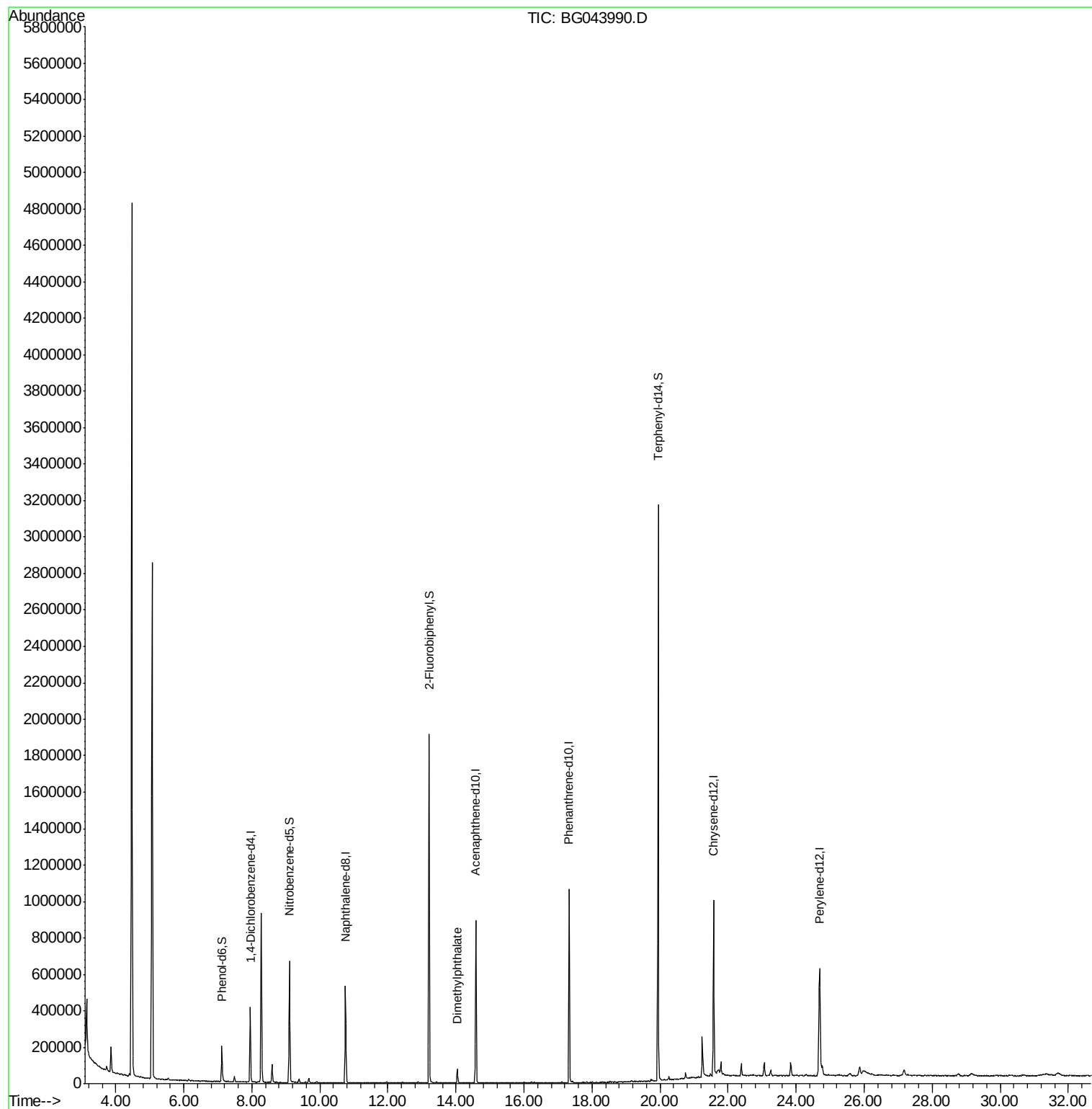
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.95  | 152  | 121795   | 20.00 | ng    | -0.01     |
| 21) Naphthalene-d8          | 10.75 | 136  | 486998   | 20.00 | ng    | -0.01     |
| 39) Acenaphthene-d10        | 14.58 | 164  | 312299   | 20.00 | ng    | -0.01     |
| 64) Phenanthrene-d10        | 17.33 | 188  | 664664   | 20.00 | ng    | 0.00      |
| 76) Chrysene-d12            | 21.57 | 240  | 568666   | 20.00 | ng    | -0.01     |
| 87) Perylene-d12            | 24.69 | 264  | 619285   | 20.00 | ng    | -0.03     |
| System Monitoring Compounds |       |      |          |       |       |           |
| 5) 2-Fluorophenol           | 5.53  | 112  | 5590     | 0.84  | ng    | 0.00      |
| 7) Phenol-d6                | 7.12  | 99   | 132516   | 14.29 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 9.10  | 82   | 440494   | 48.39 | ng    | -0.02     |
| 42) 2,4,6-Tribromophenol    | 0.00  | 330  | 0d       | 0.00  | ng    |           |
| 45) 2-Fluorobiphenyl        | 13.21 | 172  | 1021644  | 59.27 | ng    | -0.01     |
| 79) Terphenyl-d14           | 19.94 | 244  | 1501007  | 57.90 | ng    | -0.01     |
| Target Compounds            |       |      |          |       |       |           |
| 50) Dimethylphthalate       | 14.04 | 163  | 61651    | 2.780 | ng    | Qvalue 98 |

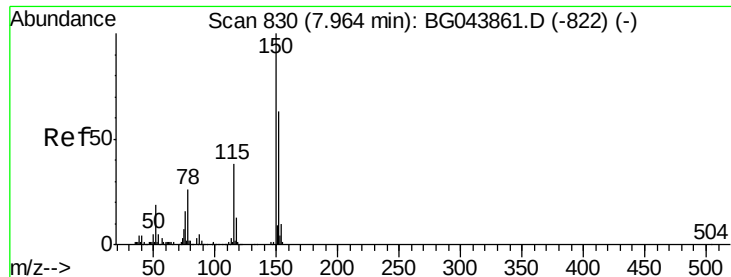
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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



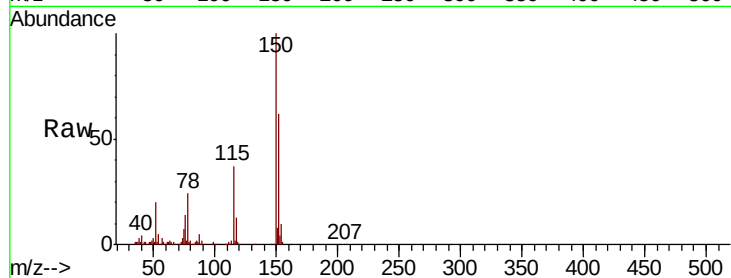


#1

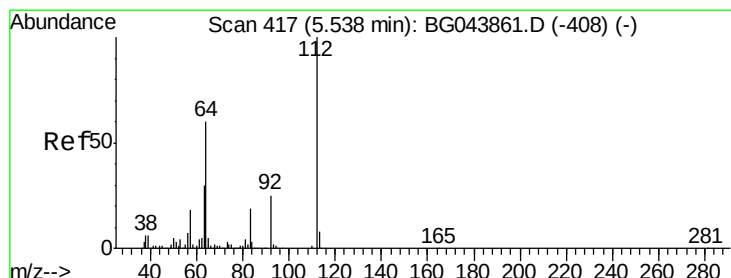
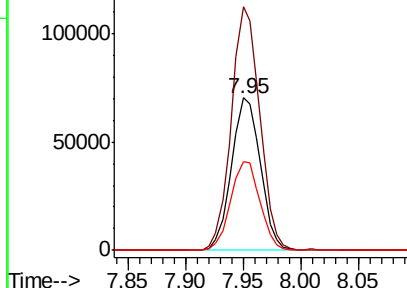
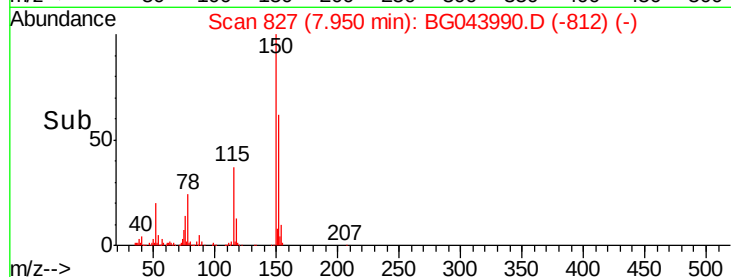
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.95 min Scan# 827  
Delta R.T. -0.01 min  
Lab File: BG043990.D  
Acq: 9 Jan 2020 7:08

Instrument :  
BNA\_G  
ClientSampleId :  
FRONT-PIER-E

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.0 | 127.0 | 190.4 |
| 115     | 58.6  | 47.8  | 71.8  |



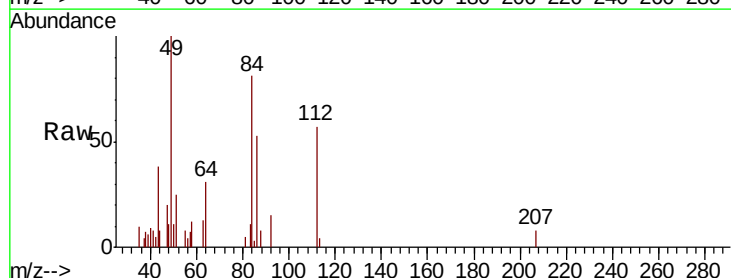
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



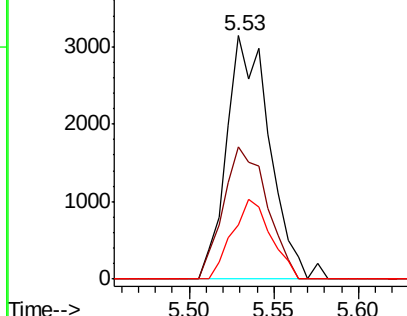
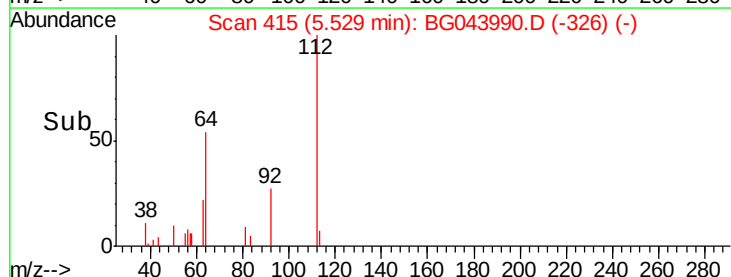
#5

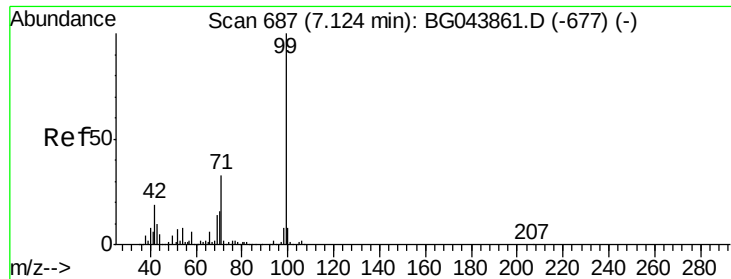
2-Fluorophenol  
Concen: 0.843 ng  
RT: 5.53 min Scan# 415  
Delta R.T. -0.01 min  
Lab File: BG043990.D  
Acq: 9 Jan 2020 7:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 54.2  | 47.8  | 71.6  |
| 63      | 22.3  | 24.3  | 36.5# |



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: 14.292 ng

RT: 7.12 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG043990.D

Acq: 9 Jan 2020 7:08

Instrument :

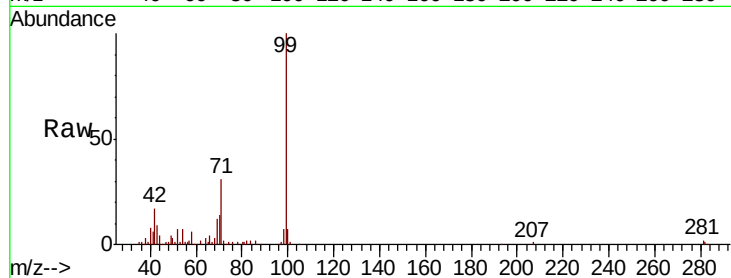
BNA\_G

ClientSampleId :

FRONT-PIER-E

Tot Ion: 99 Resp: 132516

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.3  | 14.9  | 22.3  |
| 71  | 31.3  | 26.4  | 39.6  |

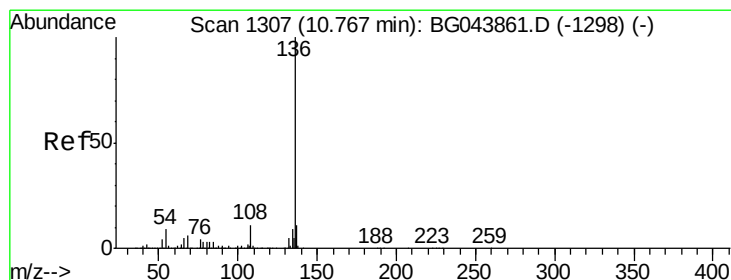
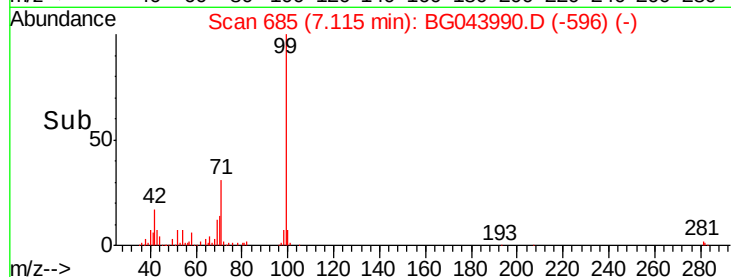
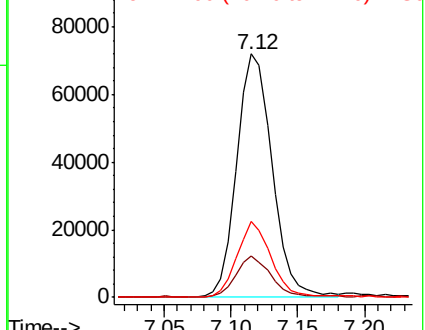


Abundance

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: 10.75 min Scan# 1304

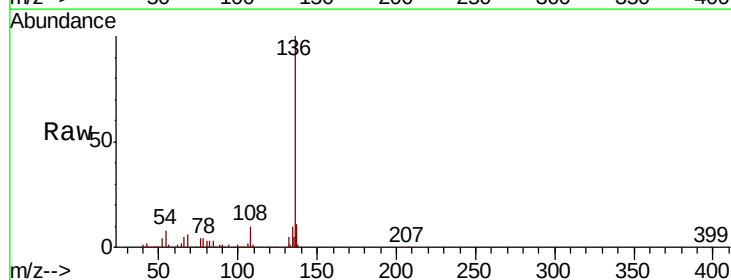
Delta R.T. -0.01 min

Lab File: BG043990.D

Acq: 9 Jan 2020 7:08

Tgt Ion: 136 Resp: 486998

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.8   | 13.2  |
| 54  | 7.5   | 7.0   | 10.4  |
| 68  | 5.8   | 4.9   | 7.3   |



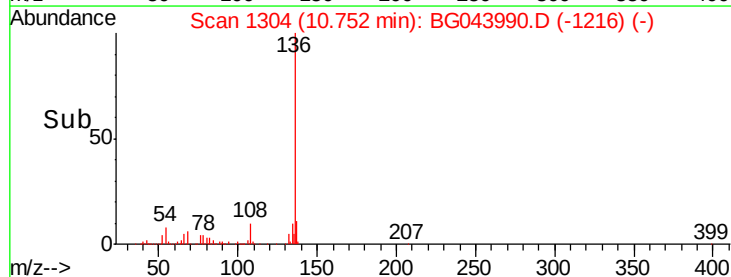
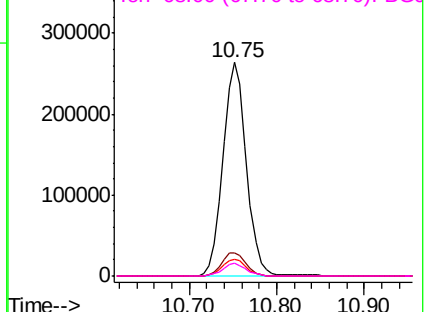
Abundance

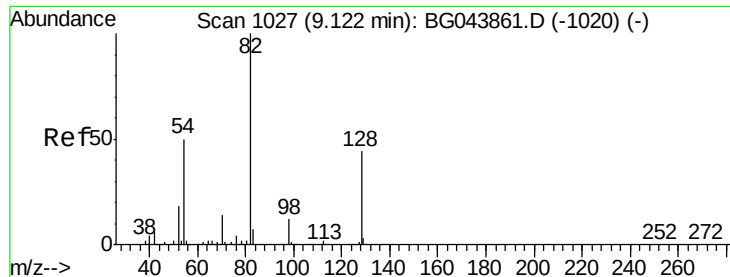
Ion 136.00 (135.70 to 136.70): BGC

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

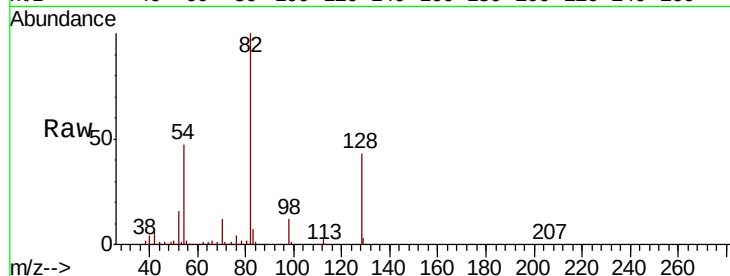




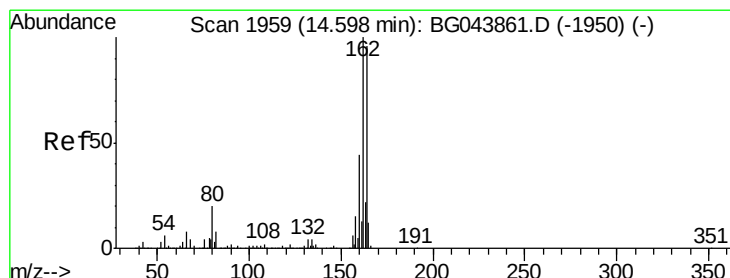
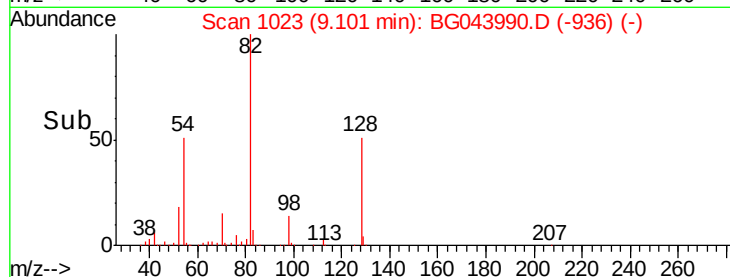
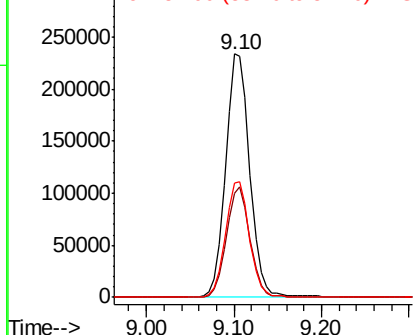
#23  
Nitrobenzene-d5  
Concen: 48.387 ng  
RT: 9.10 min Scan# 1023  
Delta R.T. -0.02 min  
Lab File: BG043990.D  
Acq: 9 Jan 2020 7:08

Instrument :  
BNA\_G  
ClientSampleId :  
FRONT-PIER-E

Tot Ion: 82 Resp: 440494  
Ion Ratio Lower Upper  
82 100  
128 42.7 35.1 52.7  
54 47.2 40.1 60.1

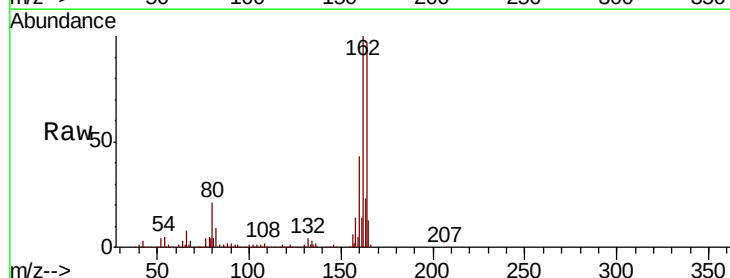


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

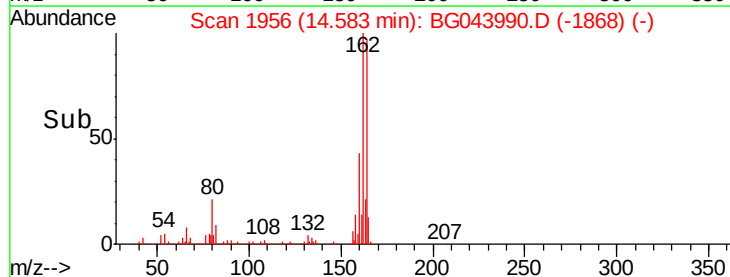
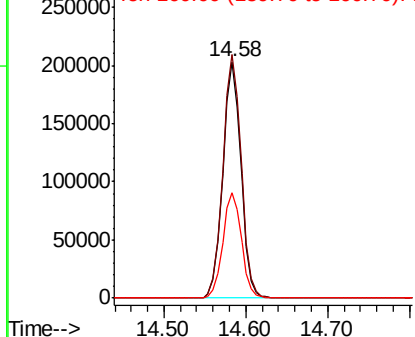


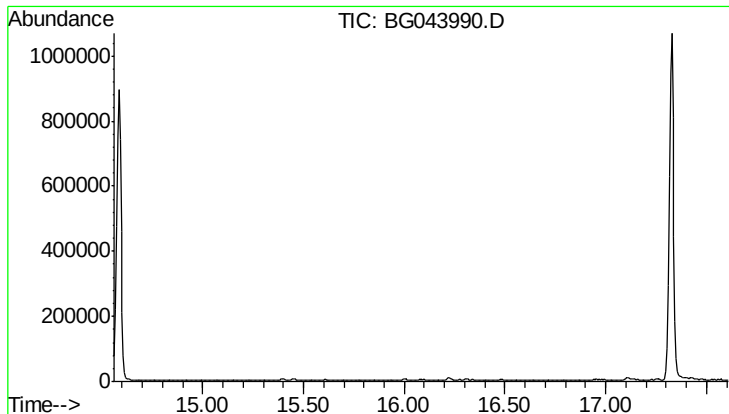
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.58 min Scan# 1956  
Delta R.T. -0.01 min  
Lab File: BG043990.D  
Acq: 9 Jan 2020 7:08

Tgt Ion:164 Resp: 312299  
Ion Ratio Lower Upper  
164 100  
162 103.1 83.0 124.4  
160 44.5 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

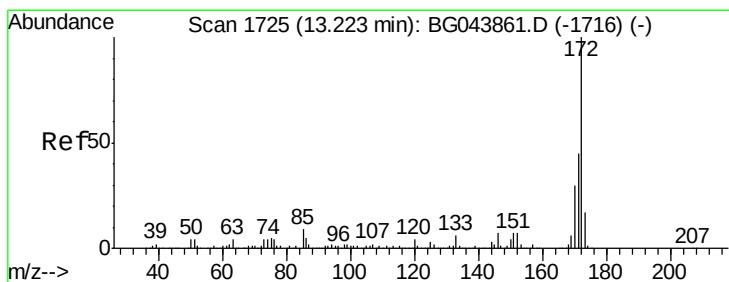
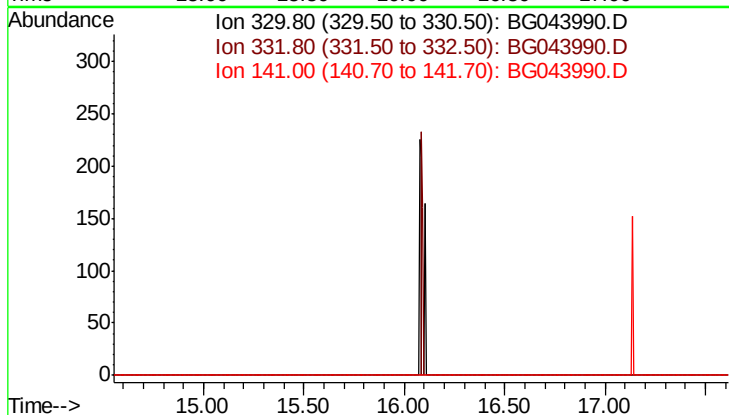




#42  
 2,4,6-Tribromophenol  
 Concen: 0.000 ng  
 Expected RT: 16.08 min  
 Lab File: BG043990.D  
 Acq: 9 Jan 2020 7:08

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FRONT-PIER-E

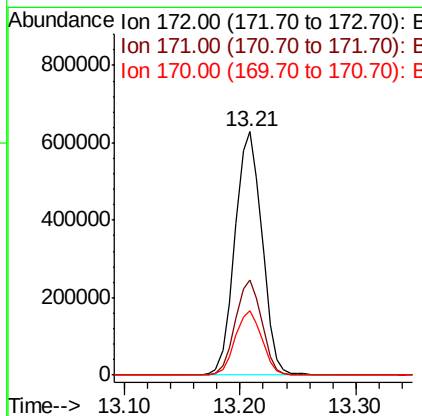
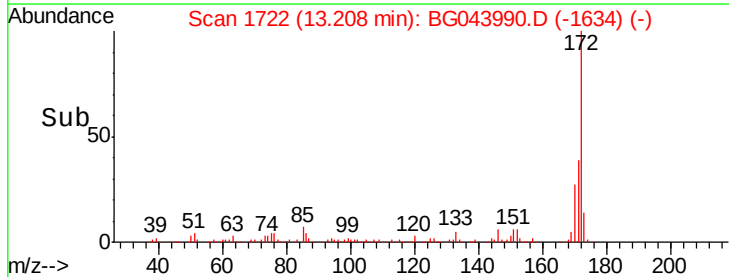
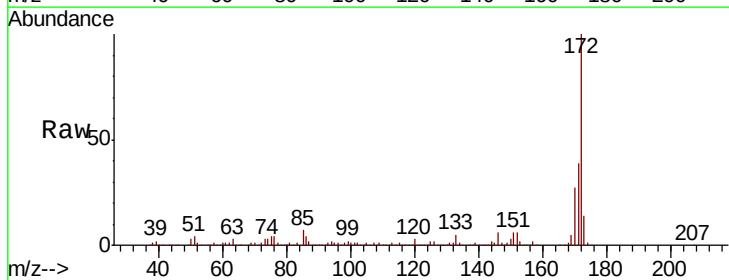
Tot Ion: 330  
 Sig Exp Ratio  
 330 100  
 332 96.5  
 141 41.4

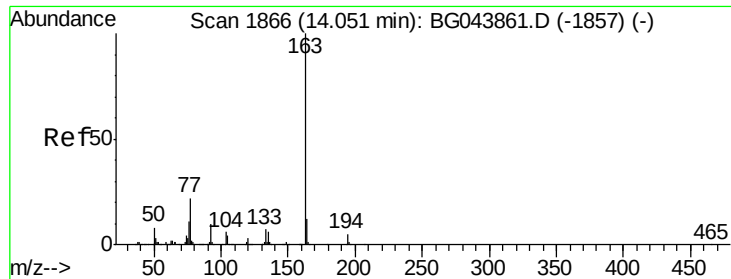


#45  
 2-Fluorobiphenyl  
 Concen: 59.270 ng  
 RT: 13.21 min Scan# 1722  
 Delta R.T. -0.01 min  
 Lab File: BG043990.D  
 Acq: 9 Jan 2020 7:08

Tgt Ion: 172 Resp: 1021644  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 38.8  | 35.8  | 53.8  |
| 170 | 26.6  | 24.2  | 36.4  |





#50

Dimethylphthalate

Concen: 2.780 ng

RT: 14.04 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BG043990.D

Acq: 9 Jan 2020 7:08

Instrument :

BNA\_G

ClientSampleId :

FRONT-PIER-E

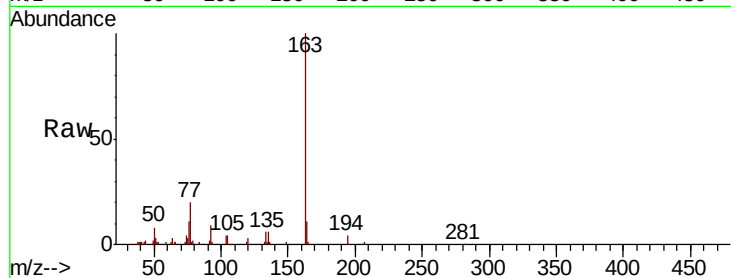
Tot Ion:163 Resp: 61651

Ion Ratio Lower Upper

163 100

194 4.0 3.7 5.5

164 10.6 9.3 13.9

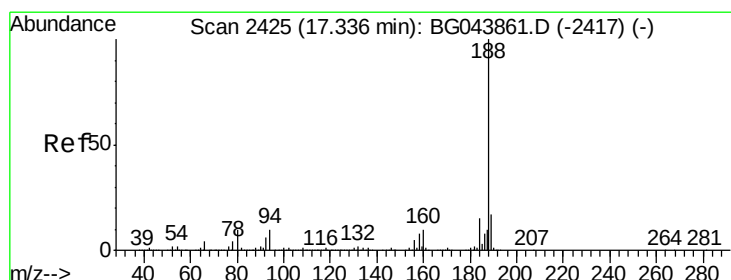
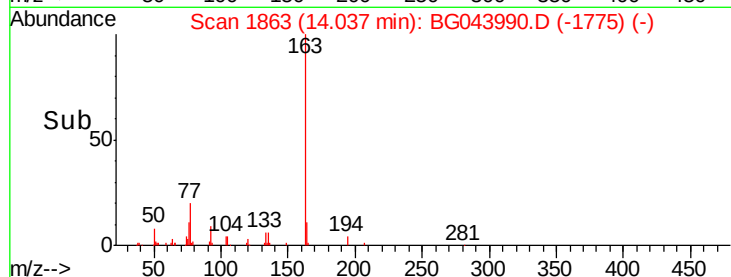
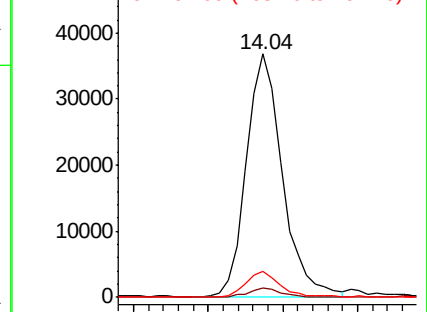


Abundance

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: 17.33 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BG043990.D

Acq: 9 Jan 2020 7:08

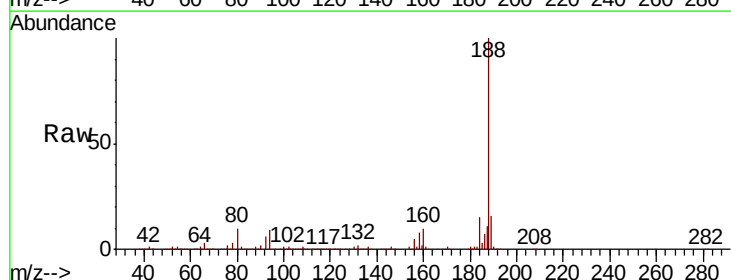
Tgt Ion:188 Resp: 664664

Ion Ratio Lower Upper

188 100

94 9.1 7.9 11.9

80 9.9 8.2 12.4

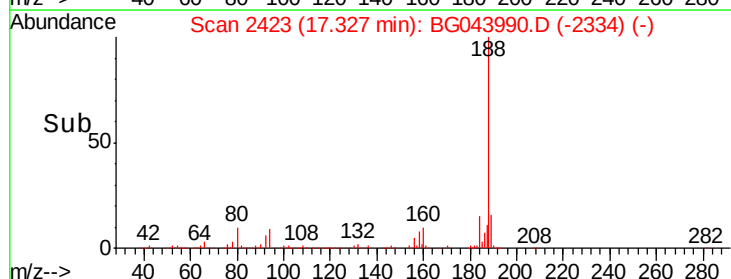
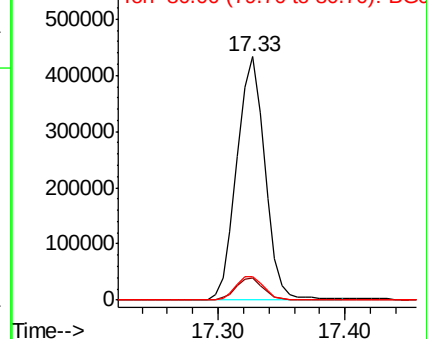


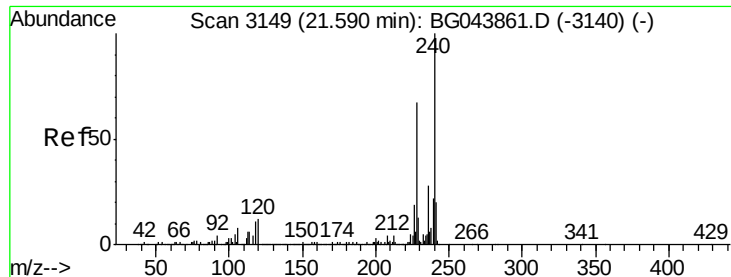
Abundance

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

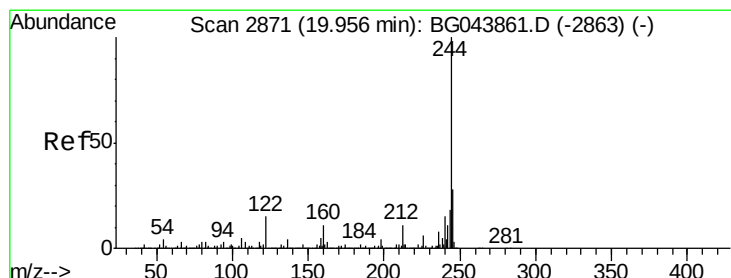
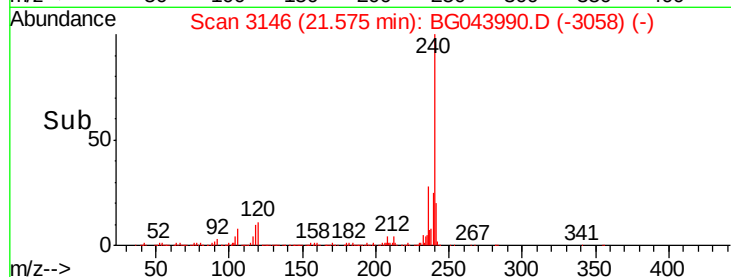
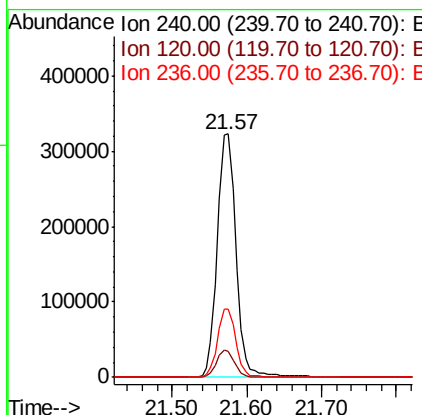
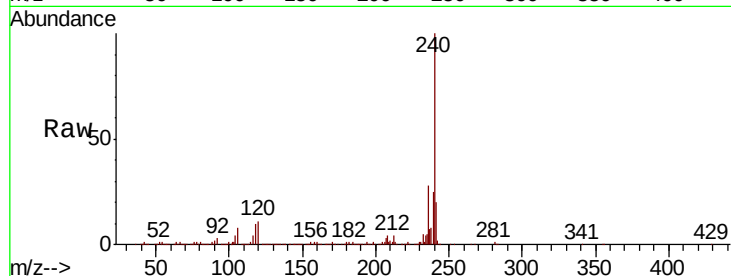




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.57 min Scan# 3146  
Delta R.T. -0.01 min  
Lab File: BG043990.D  
Acq: 9 Jan 2020 7:08

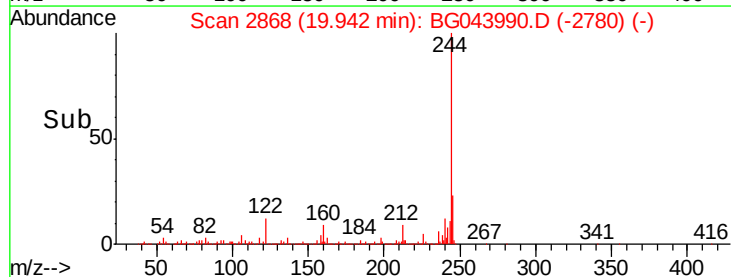
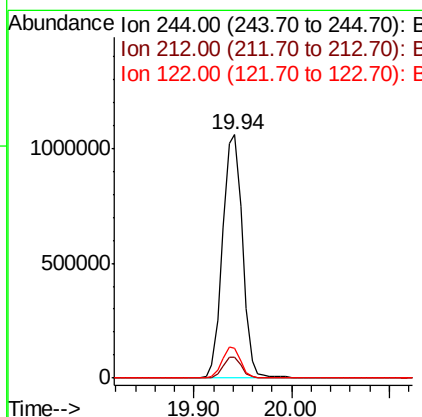
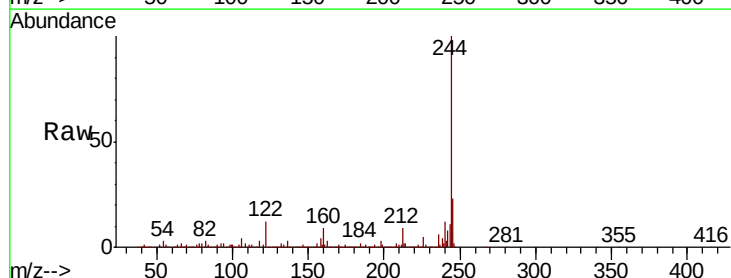
Instrument :  
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FRONT-PIER-E

Tot Ion:240 Resp: 568666  
Ion Ratio Lower Upper  
240 100  
120 10.9 9.6 14.4  
236 28.0 22.2 33.2

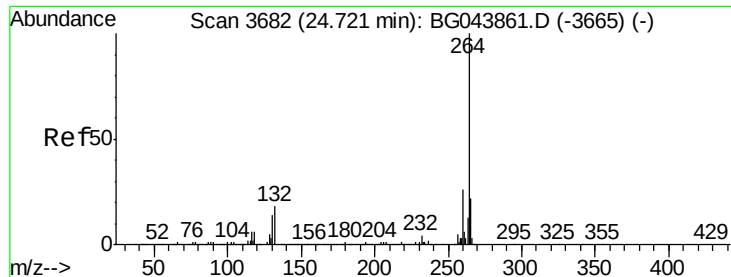


#79  
Terphenyl-d14  
Concen: 57.896 ng  
RT: 19.94 min Scan# 2868  
Delta R.T. -0.01 min  
Lab File: BG043990.D  
Acq: 9 Jan 2020 7:08

Tgt Ion:244 Resp: 1501007  
Ion Ratio Lower Upper  
244 100  
212 8.8 8.6 13.0  
122 12.0 11.9 17.9







#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.69 min Scan# 3676  
Delta R.T. -0.03 min  
Lab File: BG043990.D  
Acq: 9 Jan 2020 7:08

Instrument :  
BNA\_G  
ClientSampleId :  
FRONT-PIER-E

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 20.4  | 30.6  |
| 265     | 23.3  | 17.4  | 26.2  |

