

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042820\  
 Data File : BG045187.D  
 Acq On : 28 Apr 2020 16:14  
 Operator : CG/JU  
 Sample : PB128517BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128517BL

Quant Time: Apr 28 16:58:16 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 28 14:34:23 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.99  | 152  | 50039    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.80 | 136  | 196757   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.63 | 164  | 152166   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.38 | 188  | 401619   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.64 | 240  | 429220   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.82 | 264  | 453245   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.56  | 112  | 440563   | 145.36 | ng    | 0.00     |
| 7) Phenol-d6                | 7.15  | 99   | 611639   | 135.82 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.15  | 82   | 434755   | 100.82 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.12 | 330  | 366908   | 156.08 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.26 | 172  | 1071020  | 103.21 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.99 | 244  | 2189440  | 111.18 | ng    | 0.00     |

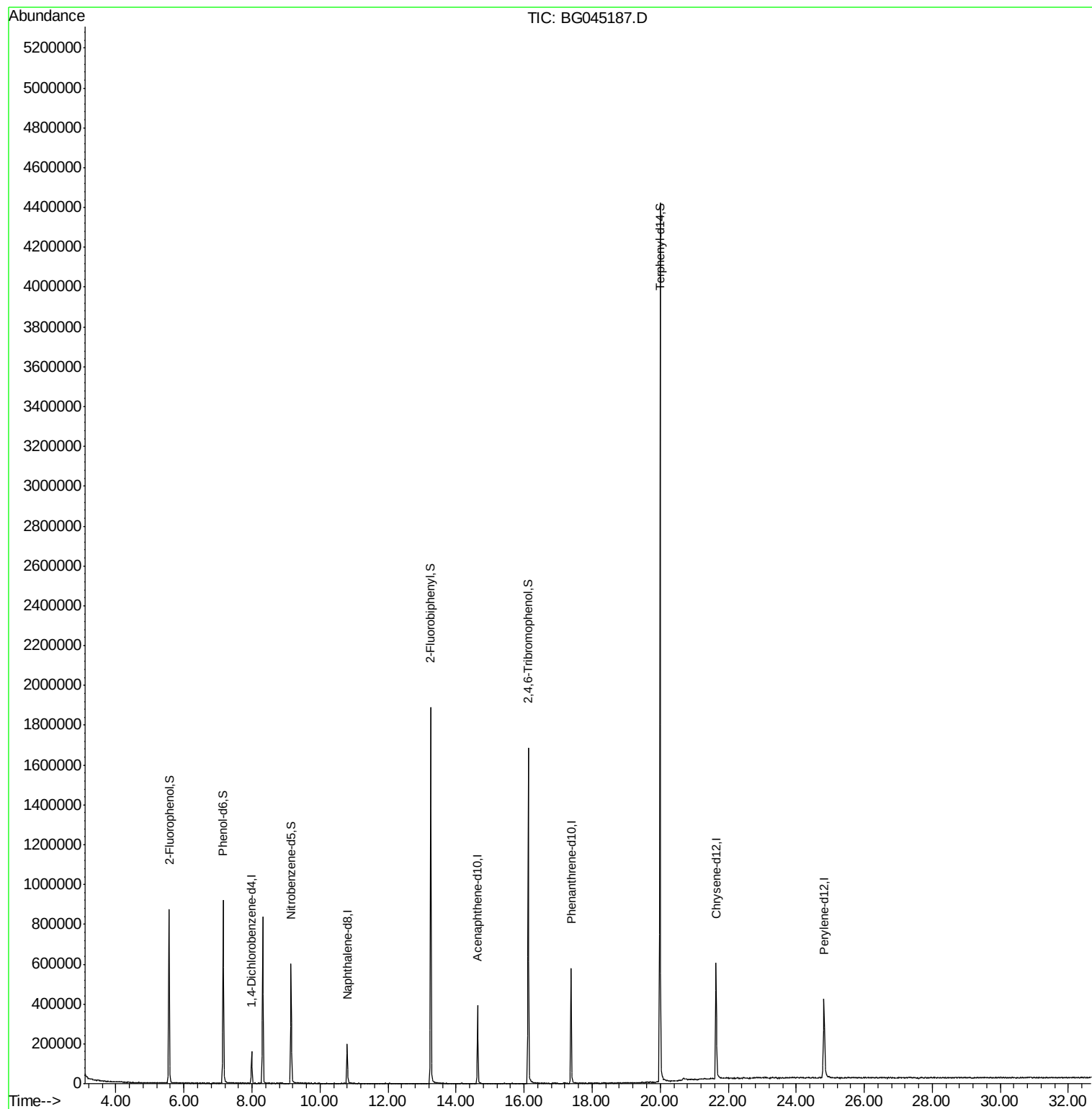
Target Compounds Qvalue

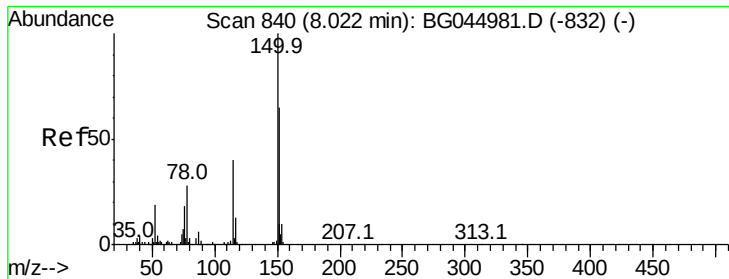
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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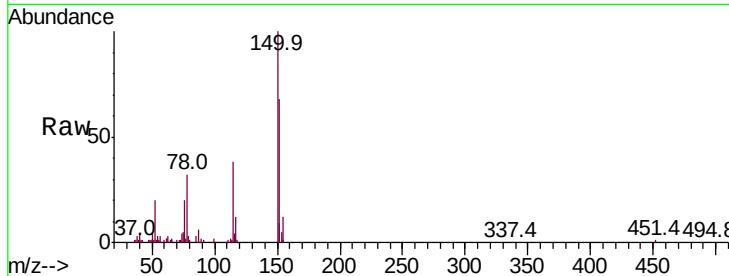


#1

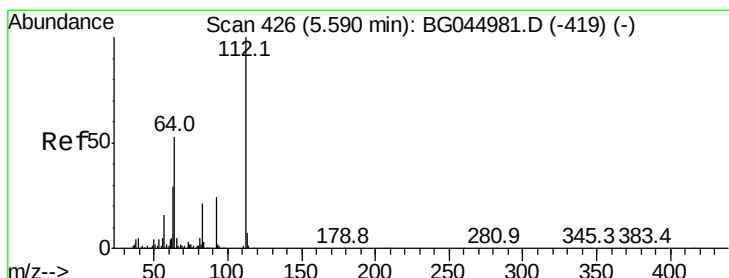
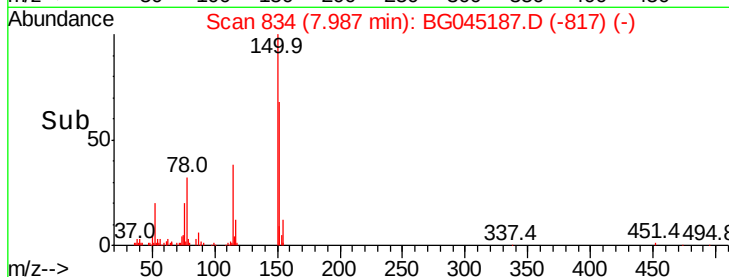
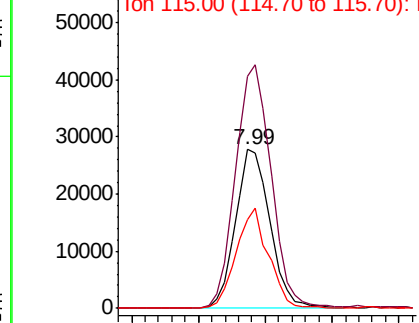
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.99 min Scan# 834  
Delta R.T. -0.00 min  
Lab File: BG045187.D  
Acq: 28 Apr 2020 16:14

Instrument :  
BNA\_G  
ClientSampleId :  
PB128517BL

Tot Ion:152 Resp: 50039  
Ion Ratio Lower Upper  
152 100  
150 146.0 123.6 185.4  
115 55.8 49.1 73.7



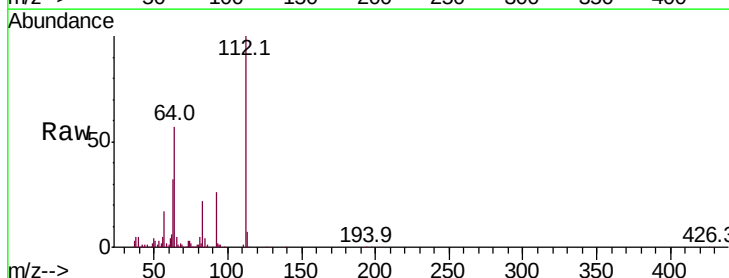
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



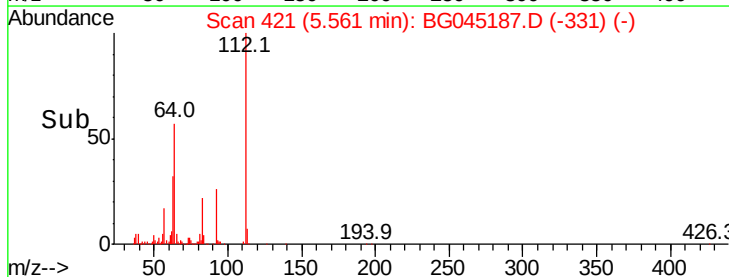
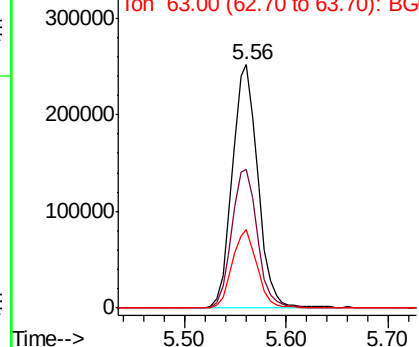
#5

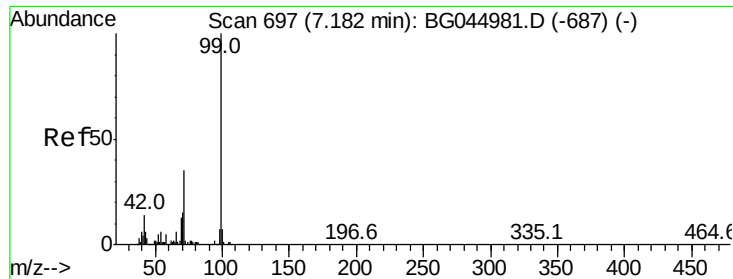
2-Fluorophenol  
Concen: 145.356 ng  
RT: 5.56 min Scan# 421  
Delta R.T. -0.00 min  
Lab File: BG045187.D  
Acq: 28 Apr 2020 16:14

Tgt Ion:112 Resp: 440563  
Ion Ratio Lower Upper  
112 100  
64 56.8 42.4 63.6  
63 32.3 23.1 34.7



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: 135.823 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.00 min

Lab File: BG045187.D

Acq: 28 Apr 2020 16:14

Instrument :

BNA\_G

ClientSampleId :

PB128517BL

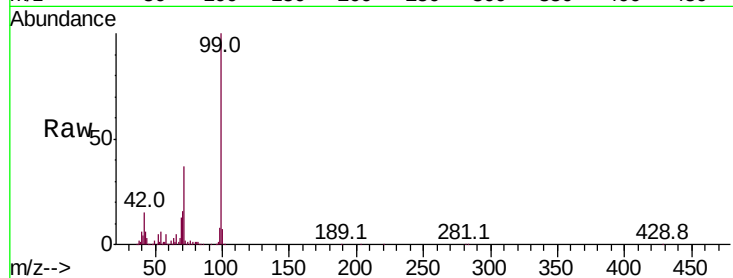
Tot Ion: 99 Resp: 611639

Ion Ratio Lower Upper

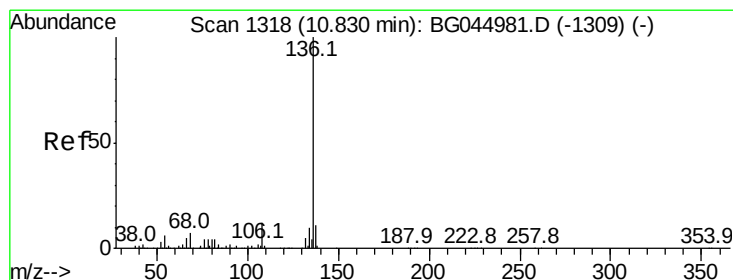
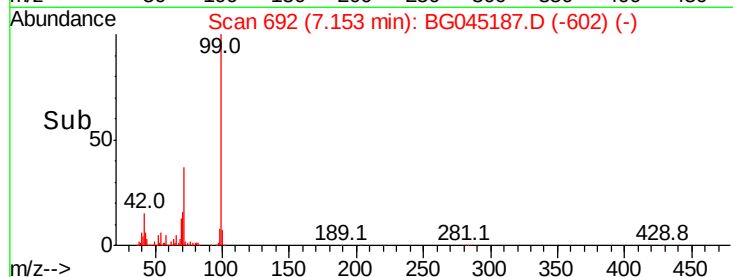
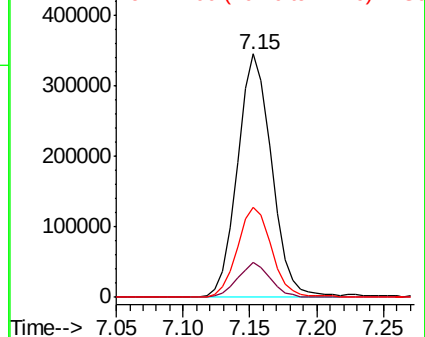
99 100

42 14.6 11.3 16.9

71 37.0 28.3 42.5



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.80 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BG045187.D

Acq: 28 Apr 2020 16:14

Tgt Ion: 136 Resp: 196757

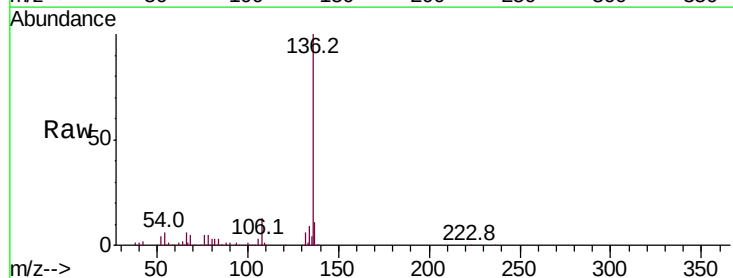
Ion Ratio Lower Upper

136 100

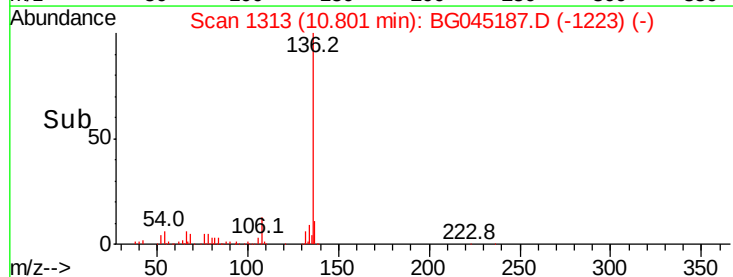
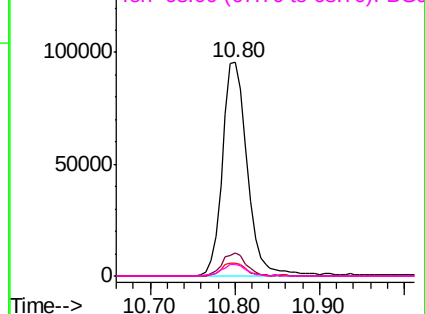
137 10.7 8.6 13.0

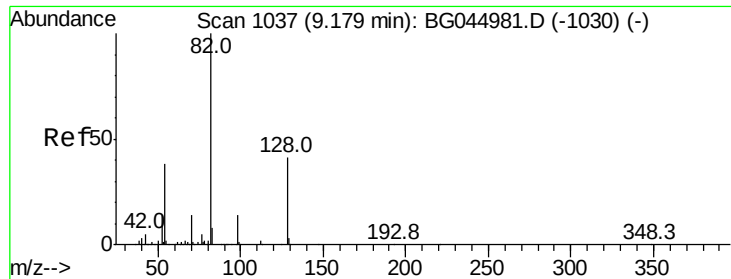
54 6.0 4.8 7.2

68 5.4 5.2 7.8



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

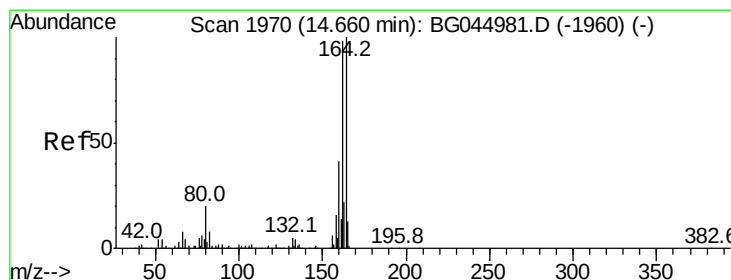
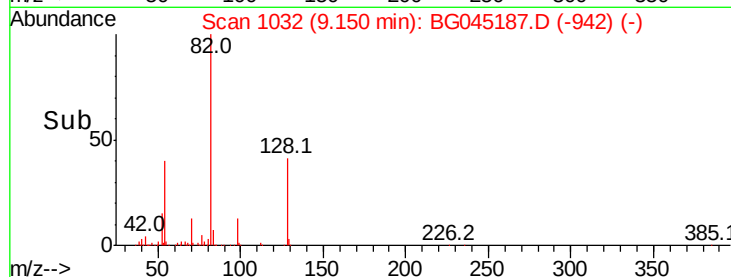
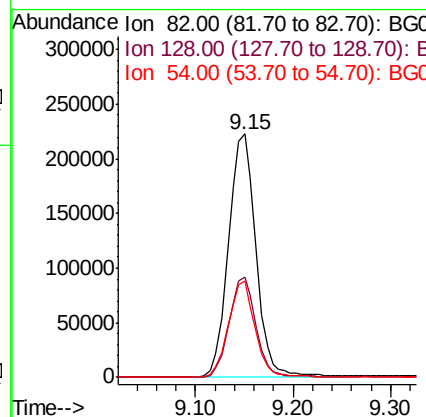
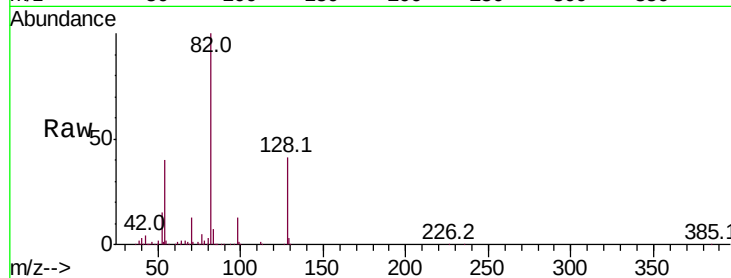




#23  
Nitrobenzene-d5  
Concen: 100.822 ng  
RT: 9.15 min Scan# 1032  
Delta R.T. -0.00 min  
Lab File: BG045187.D  
Acq: 28 Apr 2020 16:14

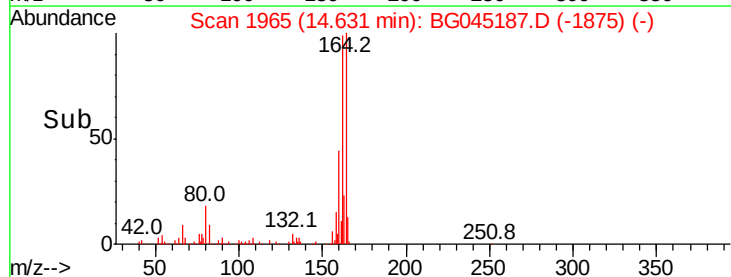
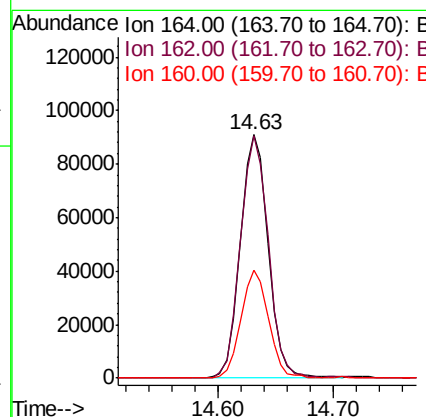
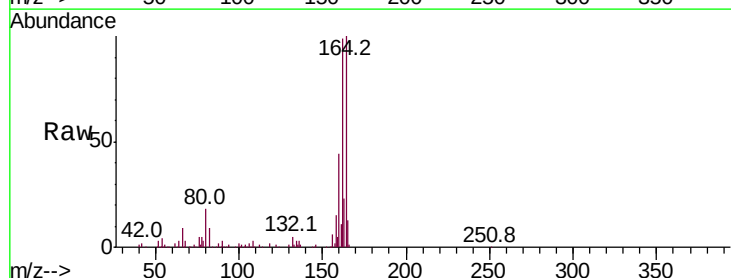
Instrument :  
BNA\_G  
ClientSampleId :  
PB128517BL

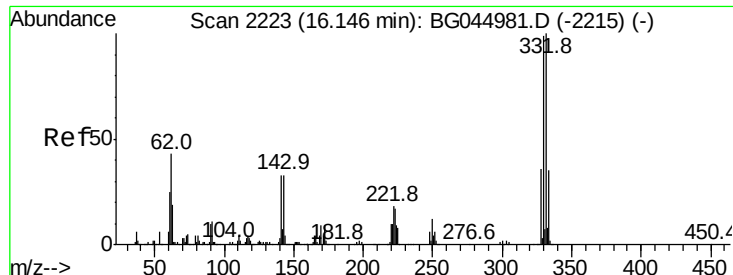
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.2  | 33.0  | 49.4  |
| 54      | 39.5  | 30.4  | 45.6  |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.63 min Scan# 1965  
Delta R.T. -0.00 min  
Lab File: BG045187.D  
Acq: 28 Apr 2020 16:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.3  | 78.7  | 118.1 |
| 160     | 44.3  | 32.8  | 49.2  |

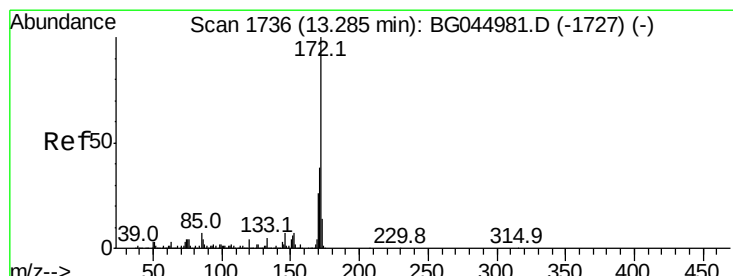
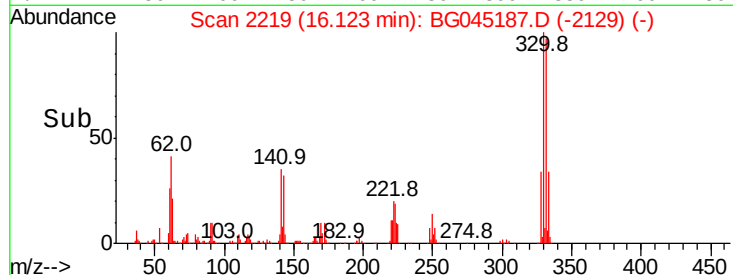
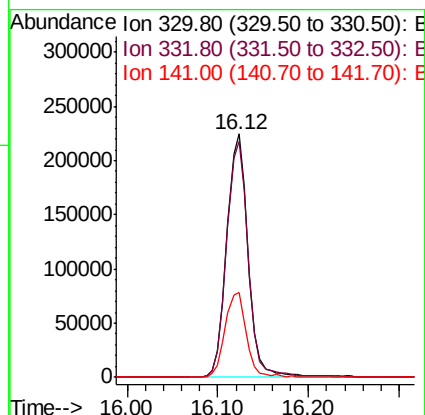
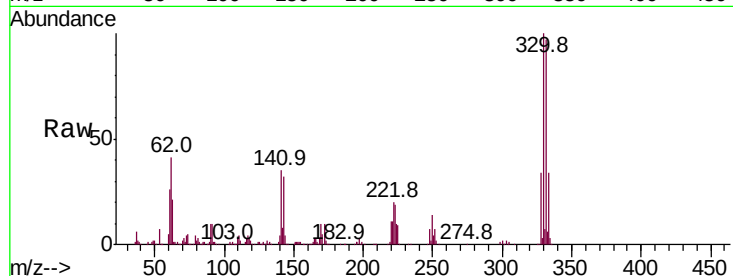




#42  
 2,4,6-Tribromophenol  
 Concen: 156.080 ng  
 RT: 16.12 min Scan# 2219  
 Delta R.T. -0.00 min  
 Lab File: BG045187.D  
 Acq: 28 Apr 2020 16:14

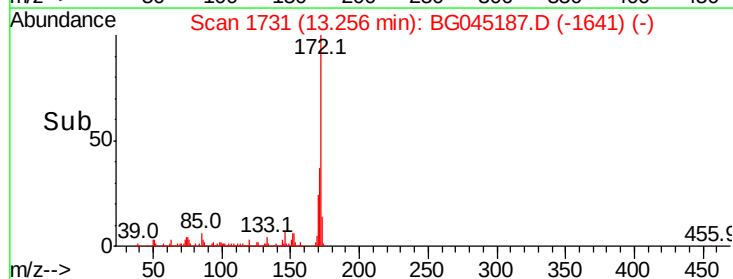
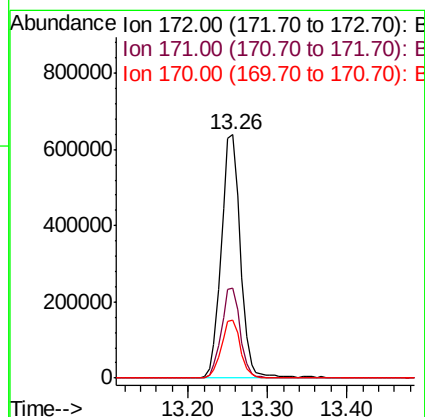
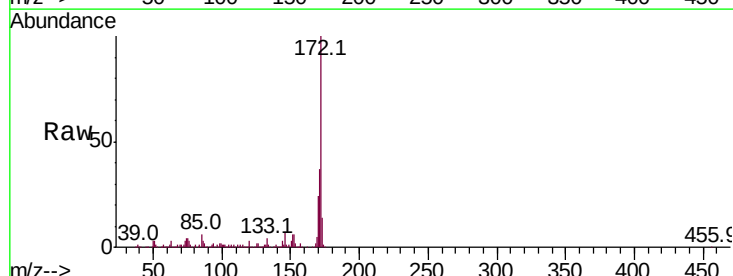
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB128517BL

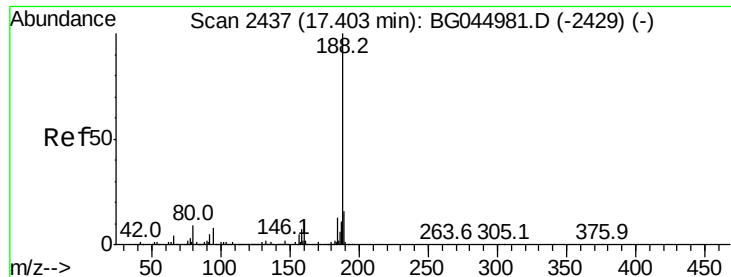
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.6  | 79.1  | 118.7 |
| 141     | 34.2  | 27.1  | 40.7  |



#45  
 2-Fluorobiphenyl  
 Concen: 103.207 ng  
 RT: 13.26 min Scan# 1731  
 Delta R.T. -0.00 min  
 Lab File: BG045187.D  
 Acq: 28 Apr 2020 16:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.1  | 30.6  | 46.0  |
| 170     | 23.8  | 20.5  | 30.7  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BG045187.D

Acq: 28 Apr 2020 16:14

Instrument :

BNA\_G

ClientSampleId :

PB128517BL

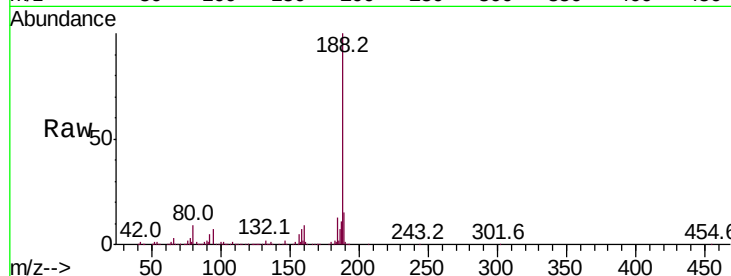
Tot Ion:188 Resp: 401619

Ion Ratio Lower Upper

188 100

94 7.1 6.2 9.4

80 8.7 7.0 10.6



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

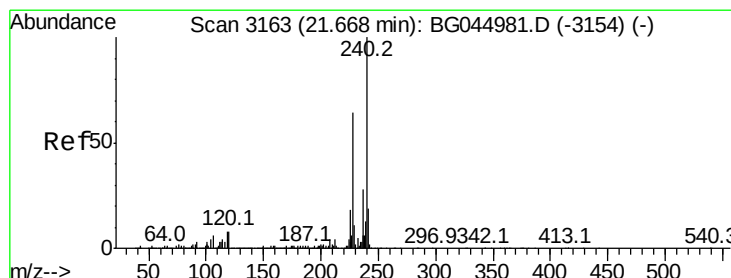
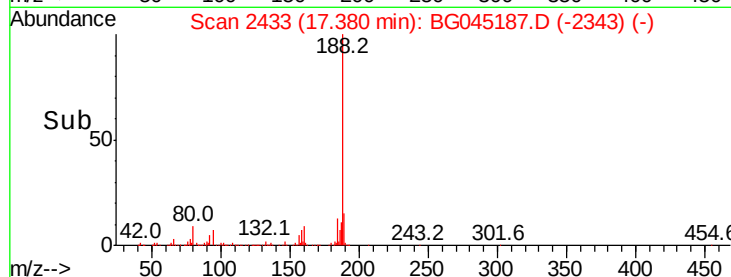
17.38

200000

100000

0

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3159

Delta R.T. -0.00 min

Lab File: BG045187.D

Acq: 28 Apr 2020 16:14

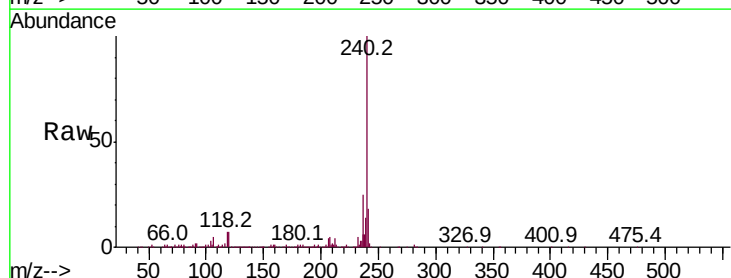
Tgt Ion:240 Resp: 429220

Ion Ratio Lower Upper

240 100

120 7.4 6.6 10.0

236 25.3 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

21.64

250000

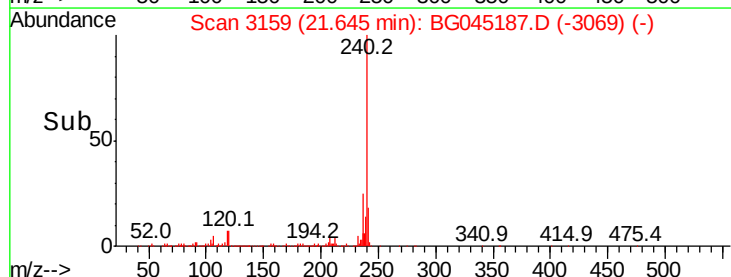
150000

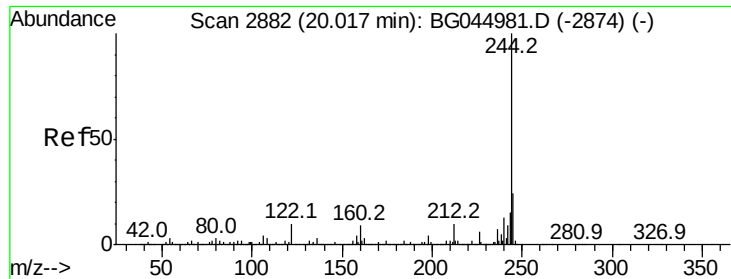
100000

50000

0

Time-->





#79

Terphenyl-d14

Concen: 111.179 ng

RT: 19.99 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BG045187.D

Acq: 28 Apr 2020 16:14

Instrument :

BNA\_G

ClientSampleId :

PB128517BL

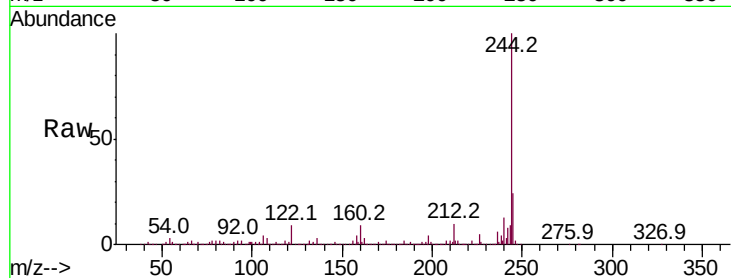
Tot Ion:244 Resp: 2189440

Ion Ratio Lower Upper

244 100

212 9.7 7.9 11.9

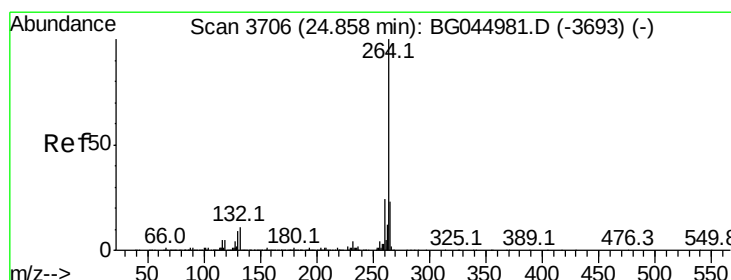
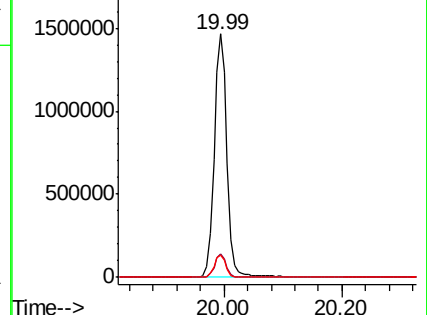
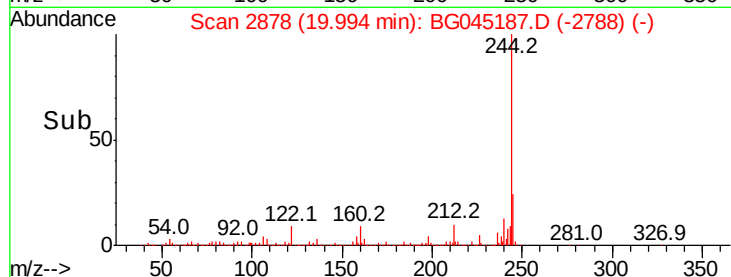
122 9.3 7.7 11.5



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: 24.82 min Scan# 3699

Delta R.T. -0.01 min

Lab File: BG045187.D

Acq: 28 Apr 2020 16:14

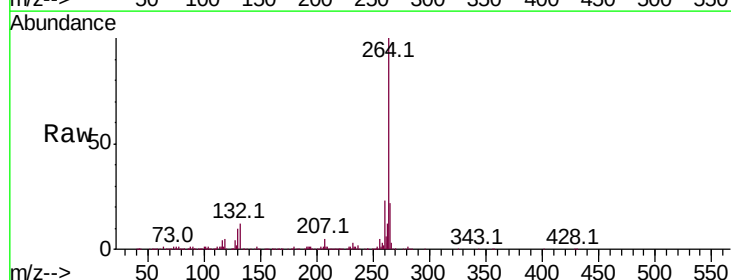
Tgt Ion:264 Resp: 453245

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.9 19.0 28.4



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

