

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022520\  
 Data File : BG044582.D  
 Acq On : 25 Feb 2020 18:36  
 Operator : CG/JU  
 Sample : PB127067BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB127067BL

Quant Time: Feb 26 05:41:00 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG022420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 24 16:11:23 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.87  | 152  | 60978    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.67 | 136  | 237523   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.52 | 164  | 152398   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.26 | 188  | 375830   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.50 | 240  | 383969   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.57 | 264  | 398978   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.46  | 112  | 509749   | 134.13 | ng    | 0.00     |
| 7) Phenol-d6                | 7.05  | 99   | 638509   | 122.74 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.03  | 82   | 383766   | 83.24  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.01 | 330  | 281863   | 130.44 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.13 | 172  | 905609   | 85.09  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.88 | 244  | 1648518  | 81.28  | ng    | 0.00     |

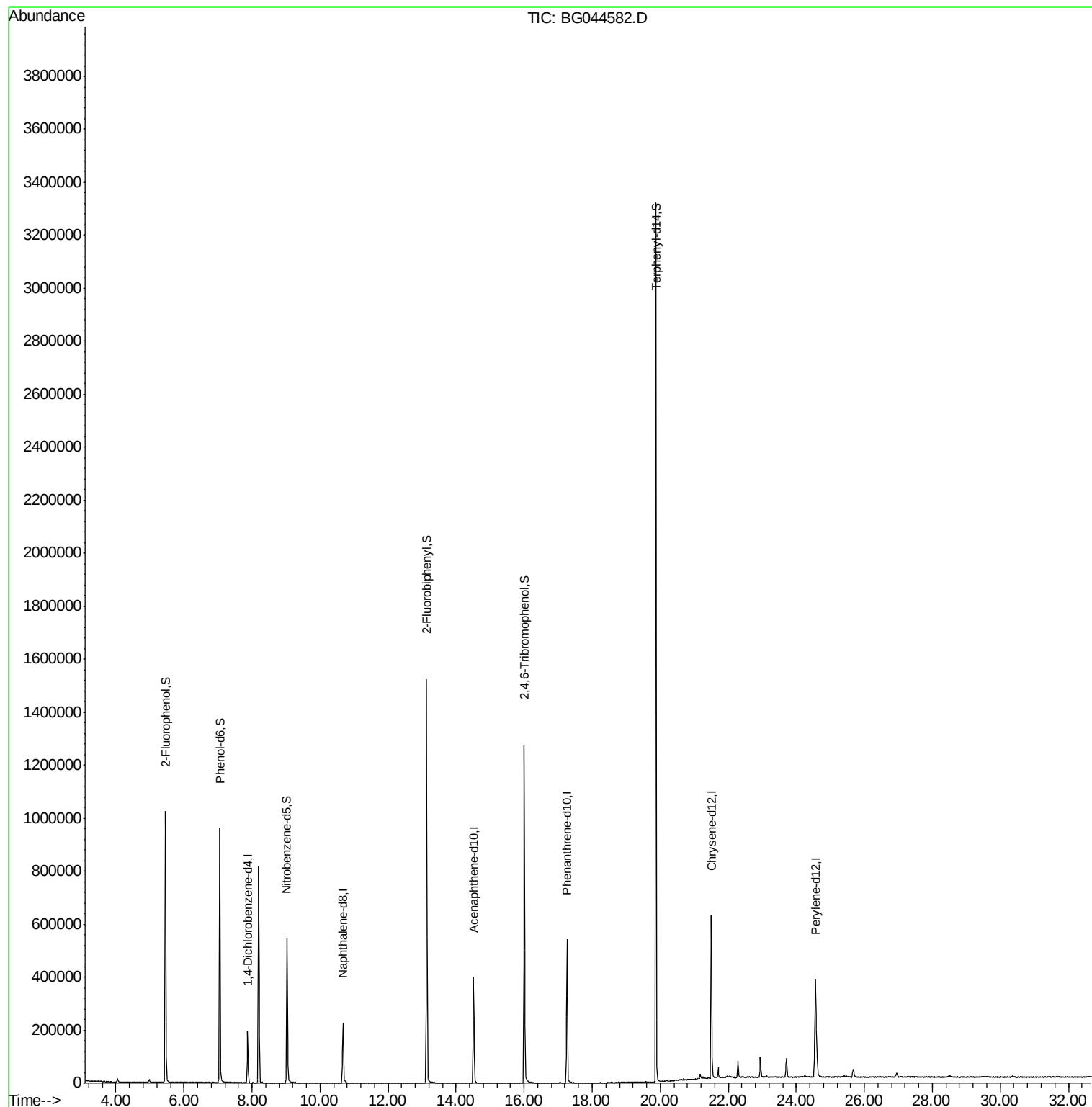
Target Compounds Qvalue

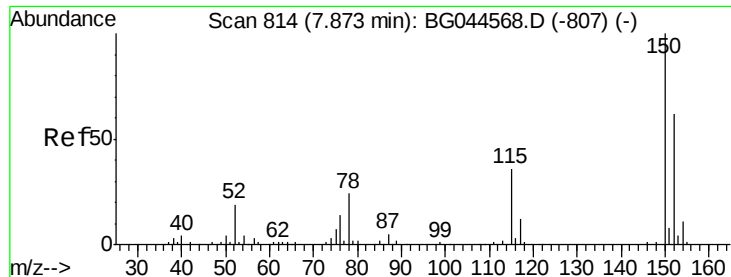
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022520\  
Data File : BG044582.D  
Acq On : 25 Feb 2020 18:36  
Operator : CG/JU  
Sample : PB127067BL  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PB127067BL

Quant Time: Feb 26 05:41:00 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG022420.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 24 16:11:23 2020  
Response via : Initial Calibration



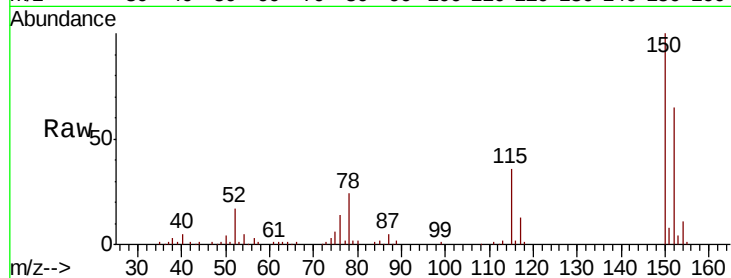


#1

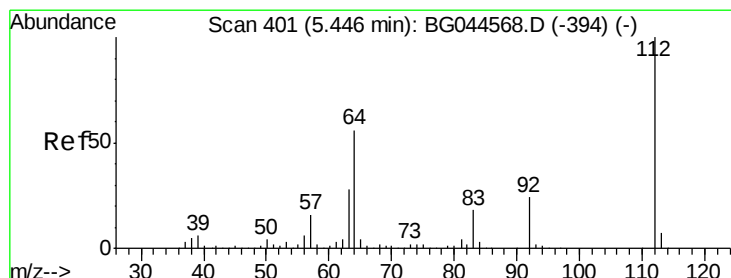
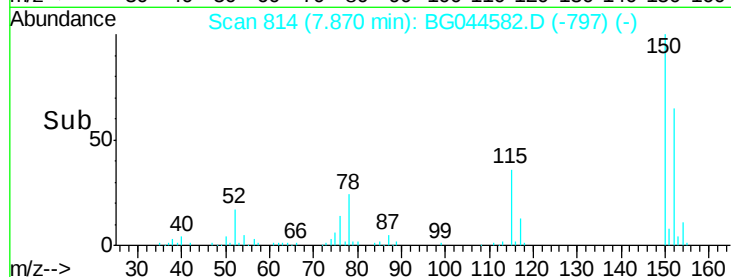
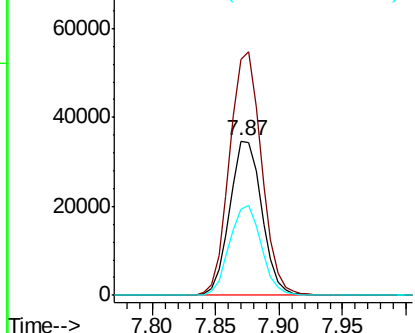
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.87 min Scan# 814  
Delta R.T. -0.00 min  
Lab File: BG044582.D  
Acq: 25 Feb 2020 18:36

Instrument :  
BNA\_G  
ClientSampleId :  
PB127067BL

Tot Ion:152 Resp: 60978  
Ion Ratio Lower Upper  
152 100  
150 153.1 128.9 193.3  
115 55.7 47.0 70.4



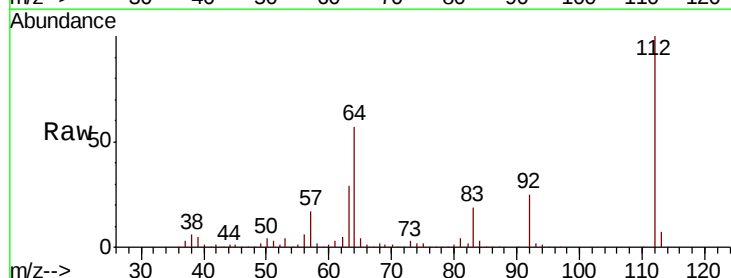
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



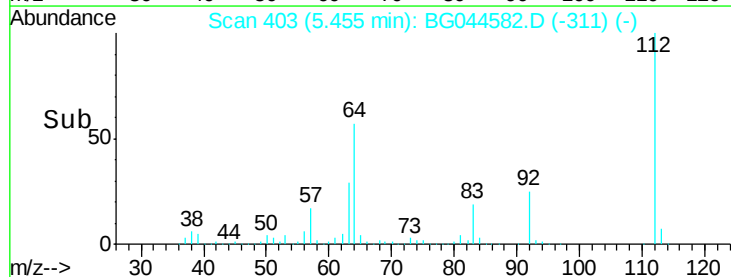
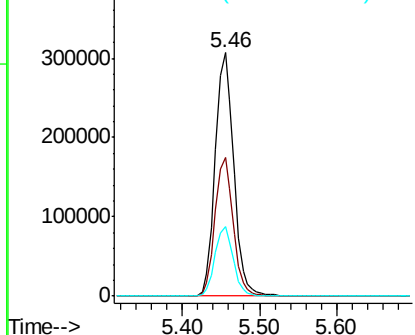
#5

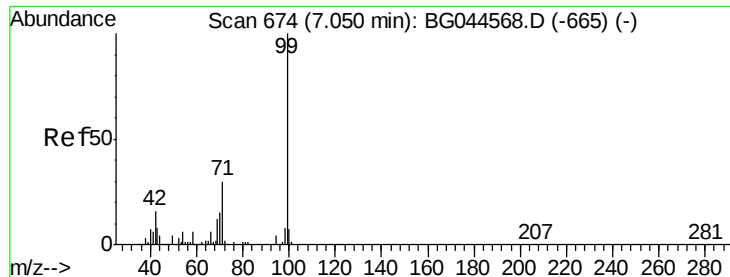
2-Fluorophenol  
Concen: 134.127 ng  
RT: 5.46 min Scan# 403  
Delta R.T. 0.01 min  
Lab File: BG044582.D  
Acq: 25 Feb 2020 18:36

Tgt Ion:112 Resp: 509749  
Ion Ratio Lower Upper  
112 100  
64 57.1 44.8 67.2  
63 28.7 22.3 33.5



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: 122.739 ng

RT: 7.05 min Scan# 675

Delta R.T. 0.00 min

Lab File: BG044582.D

Acq: 25 Feb 2020 18:36

Instrument :

BNA\_G

ClientSampleId :

PB127067BL

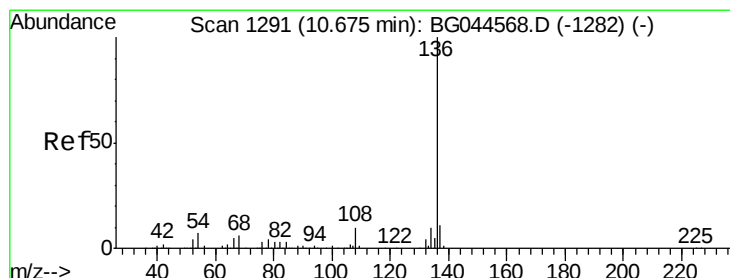
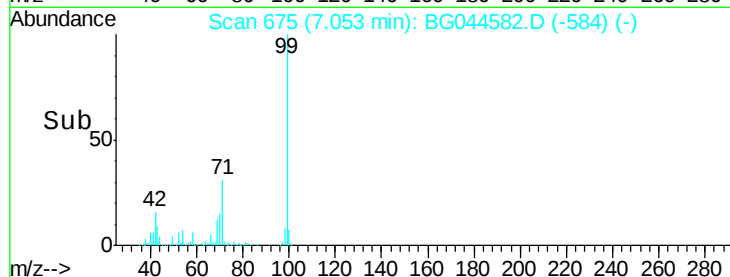
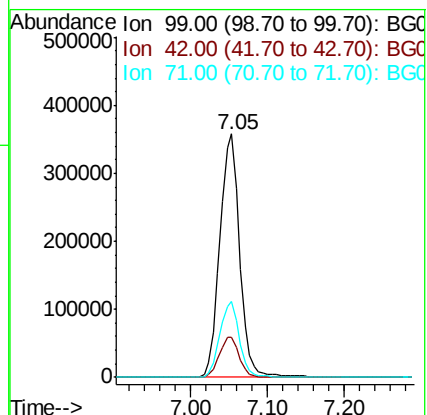
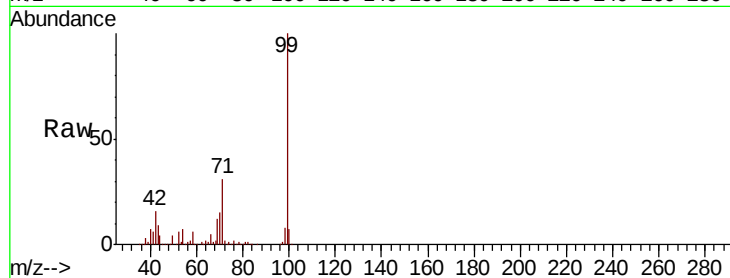
Tot Ion: 99 Resp: 638509

Ion Ratio Lower Upper

99 100

42 16.2 12.8 19.2

71 31.0 24.4 36.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.67 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BG044582.D

Acq: 25 Feb 2020 18:36

Tgt Ion: 136 Resp: 237523

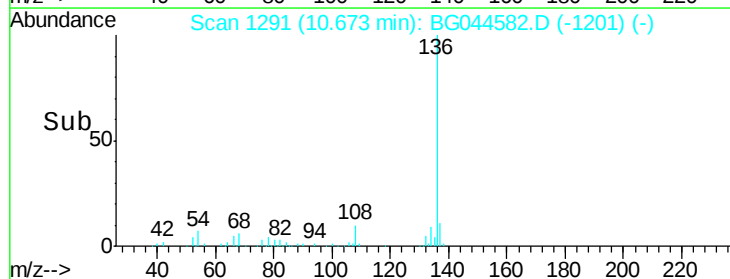
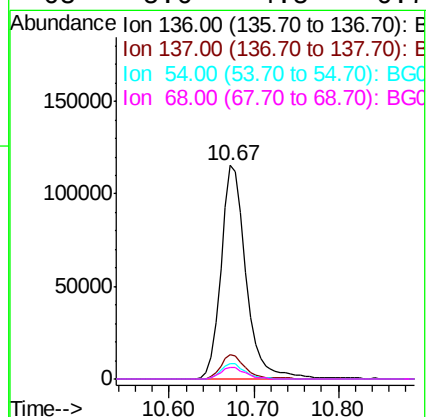
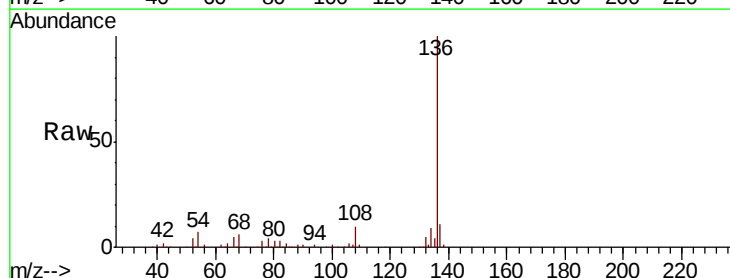
Ion Ratio Lower Upper

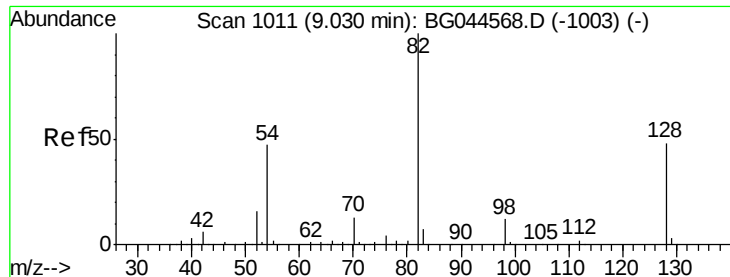
136 100

137 11.2 8.8 13.2

54 7.0 5.7 8.5

68 5.6 4.5 6.7

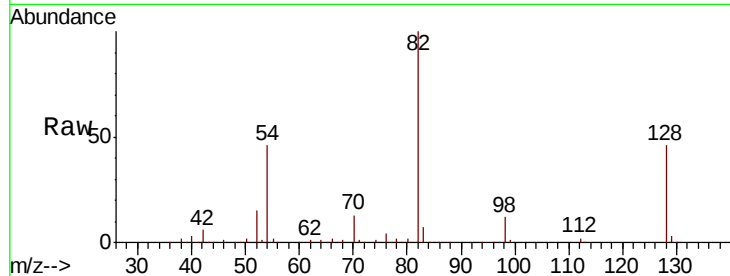




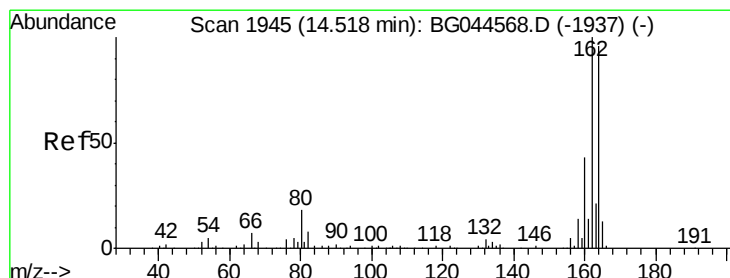
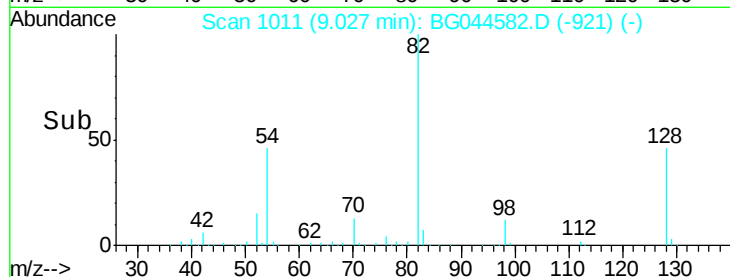
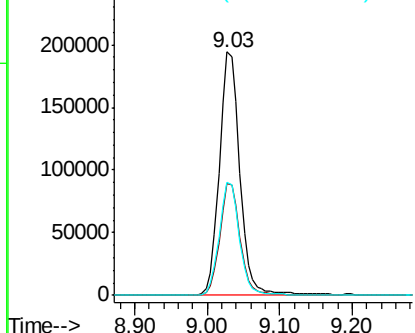
#23  
Nitrobenzene-d5  
Concen: 83.238 ng  
RT: 9.03 min Scan# 1011  
Delta R.T. -0.00 min  
Lab File: BG044582.D  
Acq: 25 Feb 2020 18:36

Instrument :  
BNA\_G  
ClientSampleId :  
PB127067BL

Tot Ion: 82 Resp: 383766  
Ion Ratio Lower Upper  
82 100  
128 45.9 38.1 57.1  
54 46.3 37.5 56.3

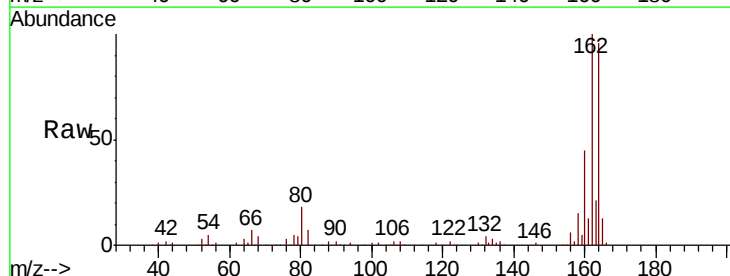


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

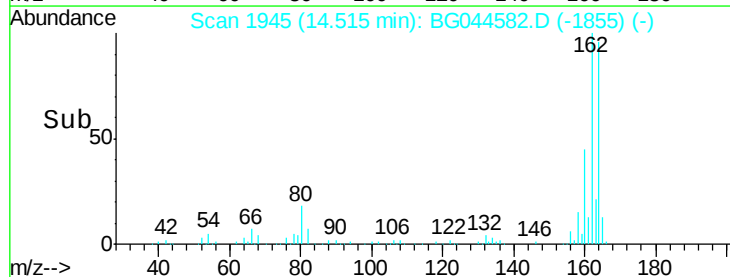
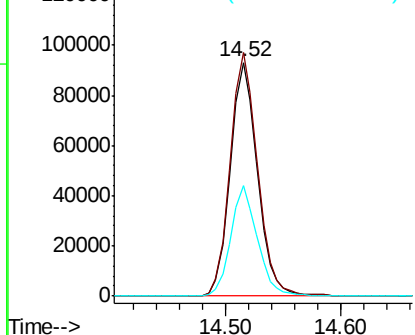


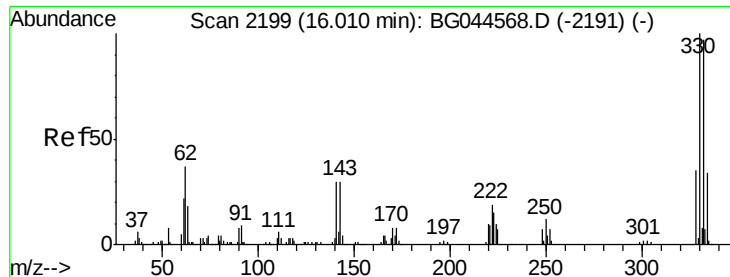
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.52 min Scan# 1945  
Delta R.T. -0.00 min  
Lab File: BG044582.D  
Acq: 25 Feb 2020 18:36

Tgt Ion:164 Resp: 152398  
Ion Ratio Lower Upper  
164 100  
162 104.2 83.6 125.4  
160 47.2 36.2 54.4



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

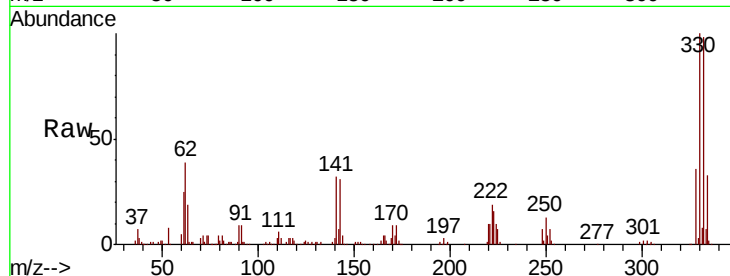




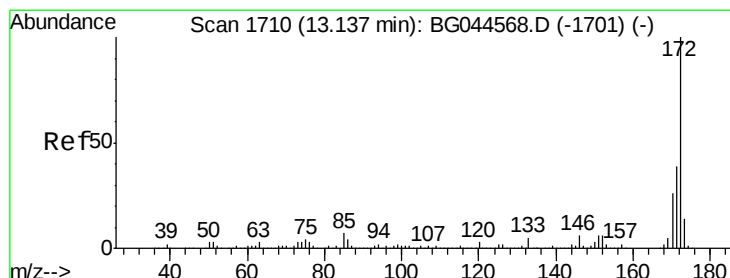
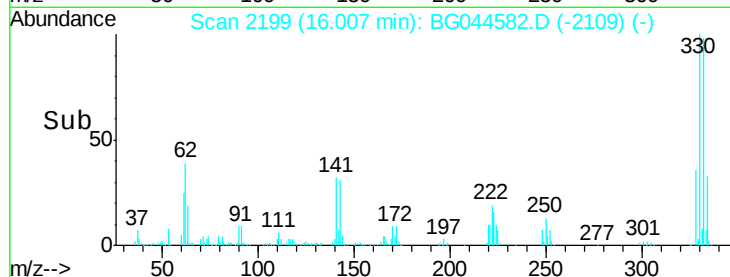
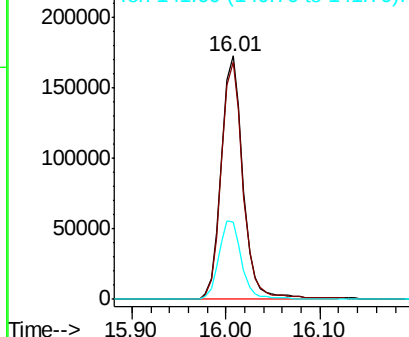
#42  
 2,4,6-Tribromophenol  
 Concen: 130.439 ng  
 RT: 16.01 min Scan# 2199  
 Delta R.T. -0.00 min  
 Lab File: BG044582.D  
 Acq: 25 Feb 2020 18:36

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB127067BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.7  | 77.4  | 116.0 |
| 141     | 33.8  | 26.1  | 39.1  |

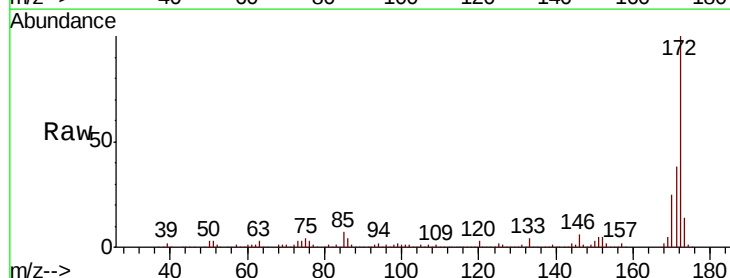


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

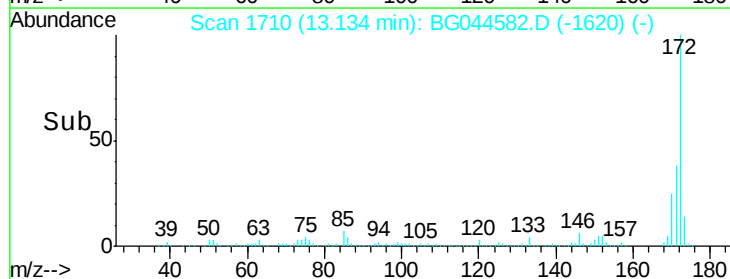
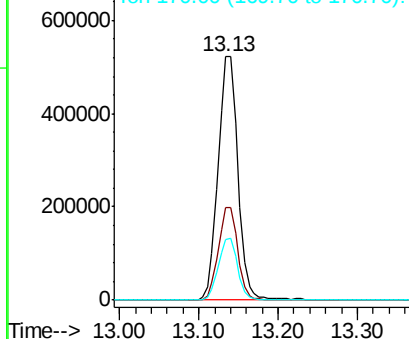


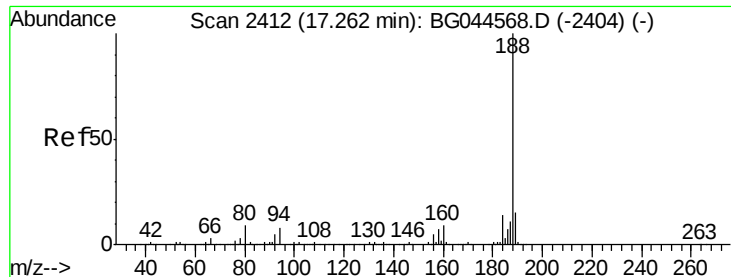
#45  
 2-Fluorobiphenyl  
 Concen: 85.094 ng  
 RT: 13.13 min Scan# 1710  
 Delta R.T. -0.00 min  
 Lab File: BG044582.D  
 Acq: 25 Feb 2020 18:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.0  | 31.3  | 46.9  |
| 170     | 25.0  | 21.0  | 31.4  |



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: 17.26 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BG044582.D

Acq: 25 Feb 2020 18:36

Instrument :

BNA\_G

ClientSampleId :

PB127067BL

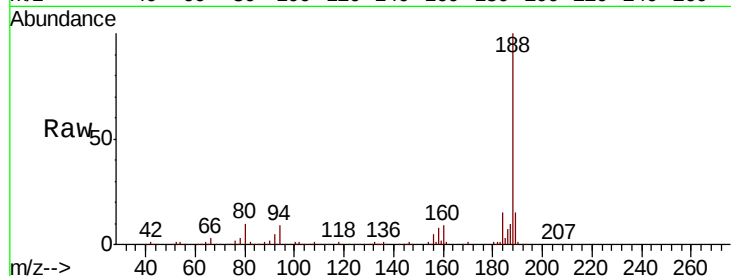
Tot Ion:188 Resp: 375830

Ion Ratio Lower Upper

188 100

94 9.0 6.7 10.1

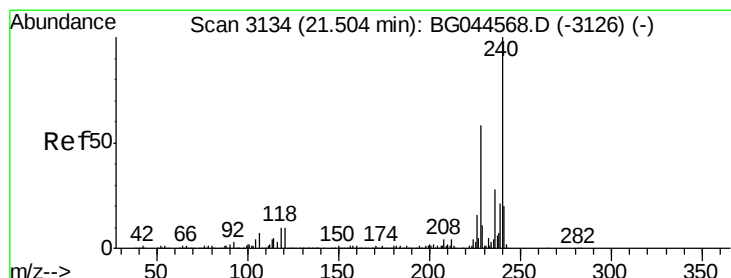
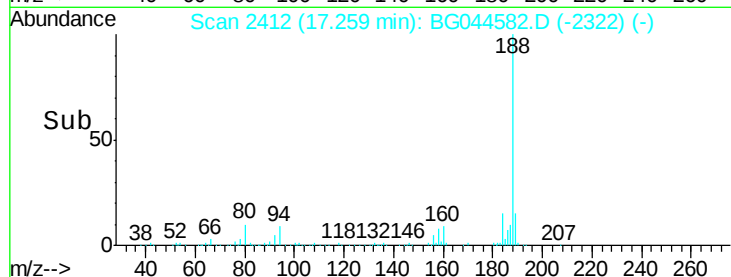
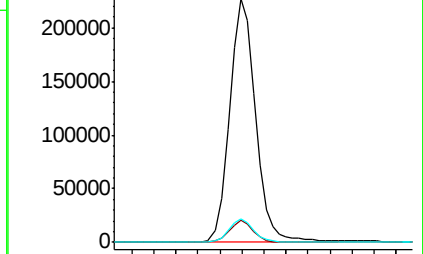
80 9.5 7.6 11.4



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: 21.50 min Scan# 3134

Delta R.T. -0.00 min

Lab File: BG044582.D

Acq: 25 Feb 2020 18:36

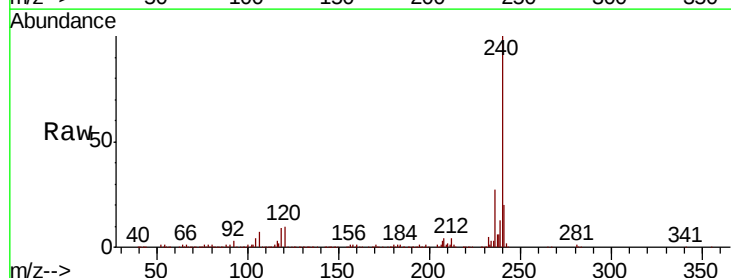
Tgt Ion:240 Resp: 383969

Ion Ratio Lower Upper

240 100

120 10.0 8.3 12.5

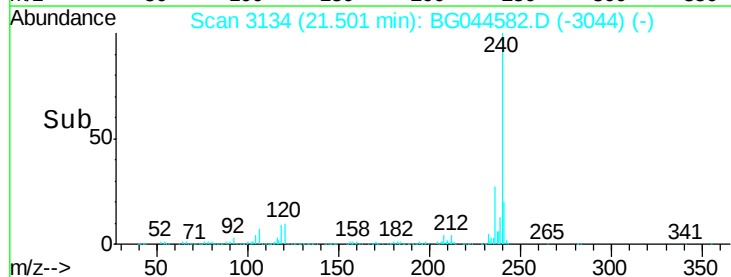
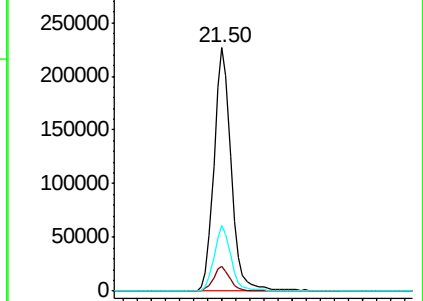
236 26.8 22.3 33.5

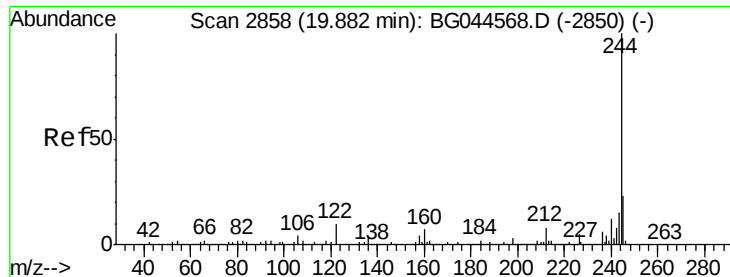


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 81.276 ng

RT: 19.88 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BG044582.D

Acq: 25 Feb 2020 18:36

Instrument :

BNA\_G

ClientSampleId :

PB127067BL

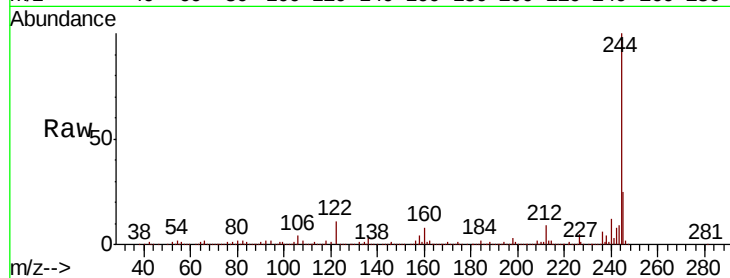
Tot Ion:244 Resp: 1648518

Ion Ratio Lower Upper

244 100

212 8.6 6.5 9.7

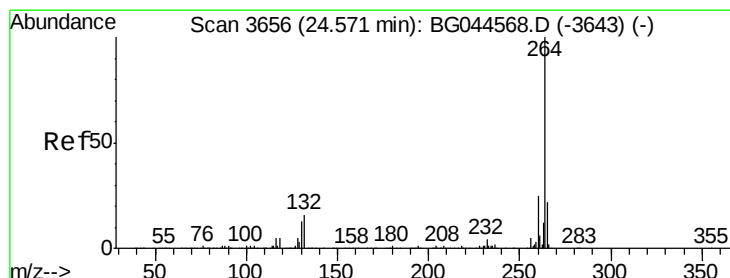
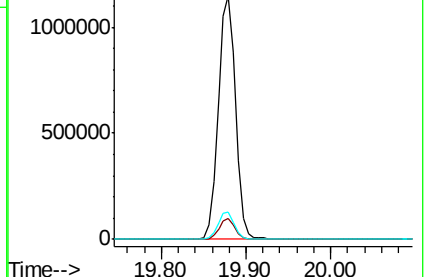
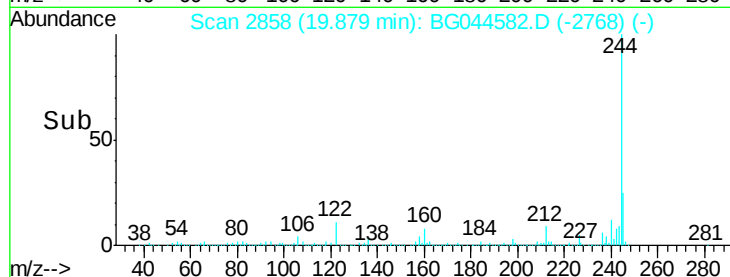
122 11.1 8.2 12.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.57 min Scan# 3656

Delta R.T. -0.00 min

Lab File: BG044582.D

Acq: 25 Feb 2020 18:36

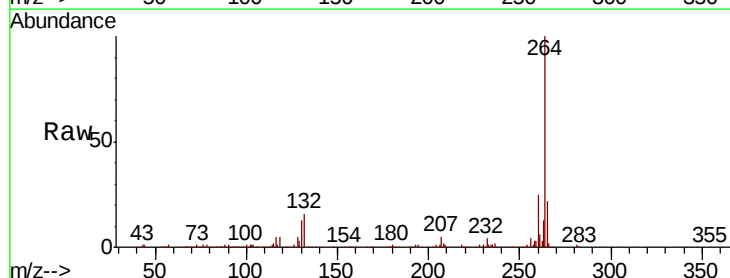
Tgt Ion:264 Resp: 398978

Ion Ratio Lower Upper

264 100

260 25.2 19.7 29.5

265 22.0 17.8 26.8



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

