

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031820\  
 Data File : BG044891.D  
 Acq On : 19 Mar 2020 10:21  
 Operator : CG/JU  
 Sample : PB127567TB  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB127567TB

Quant Time: Mar 19 11:46:52 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 16 17:37:15 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.04  | 152  | 69971    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.85 | 136  | 274877   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.68 | 164  | 183588   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.42 | 188  | 432053   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.68 | 240  | 509053   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 24.89 | 264  | 529026   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 680573   | 151.41 | ng    | 0.00     |
| 7) Phenol-d6                | 7.20  | 99   | 922303   | 141.23 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 614453   | 98.09  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.16 | 330  | 411087   | 171.02 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.30 | 172  | 1300423  | 101.44 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.03 | 244  | 2388532  | 87.77  | ng    | 0.00     |

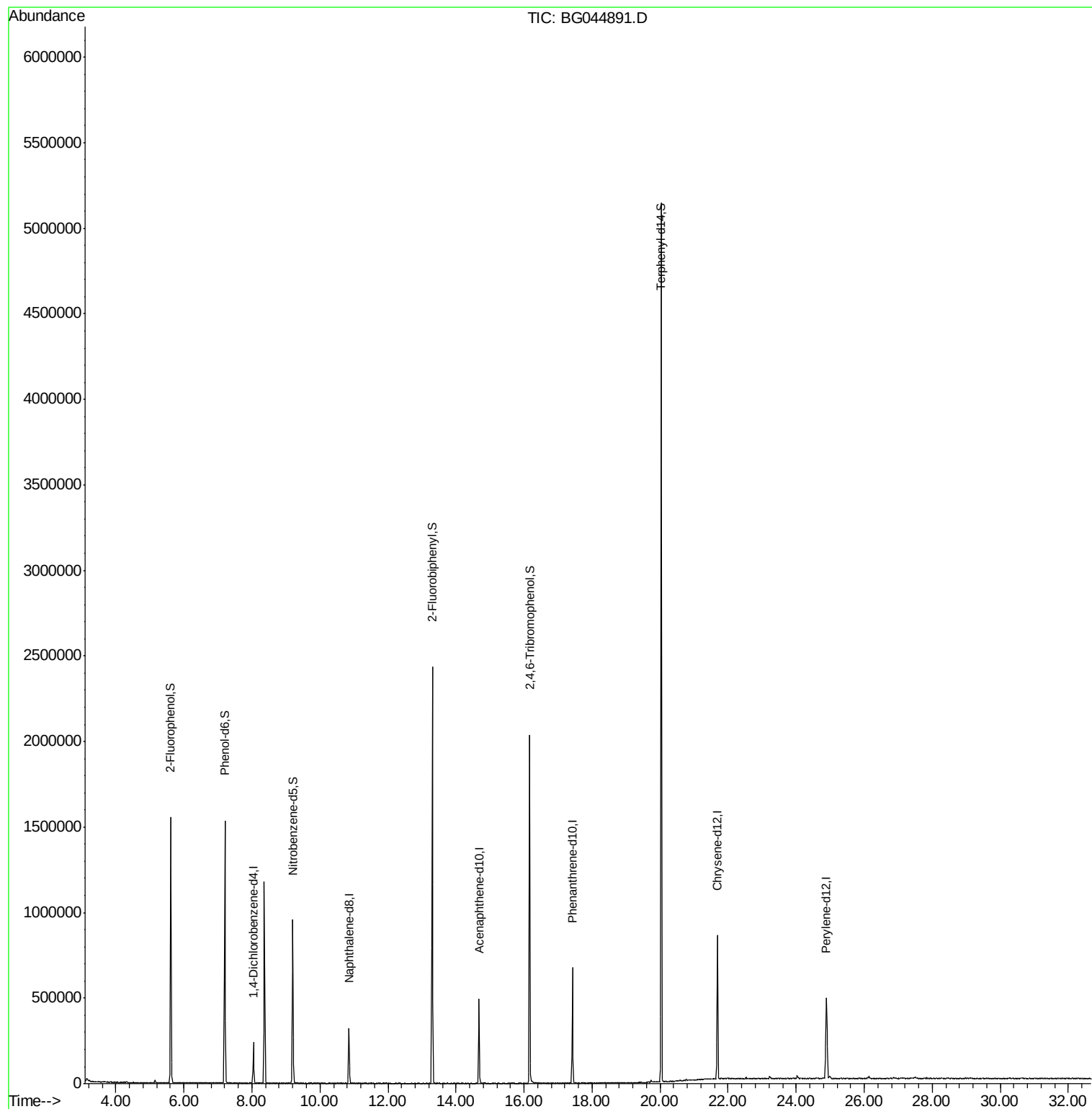
Target Compounds Qvalue

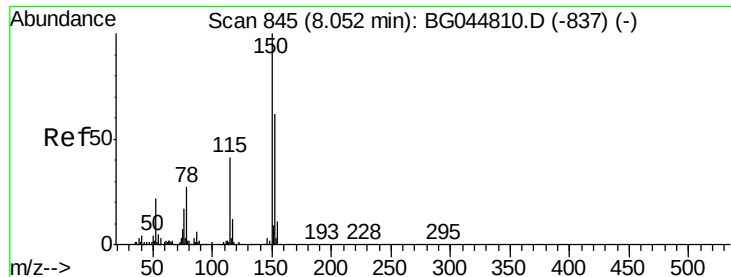
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PB127567TB

Quant Time: Mar 19 11:46:52 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 16 17:37:15 2020  
Response via : Initial Calibration



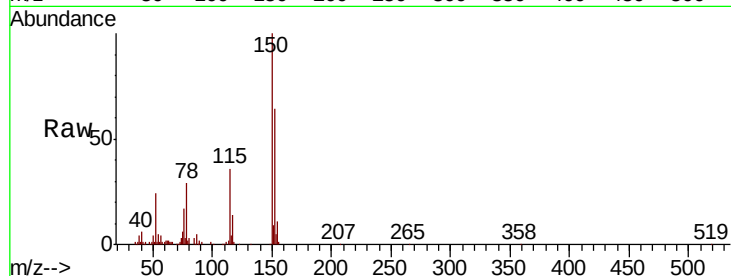


#1

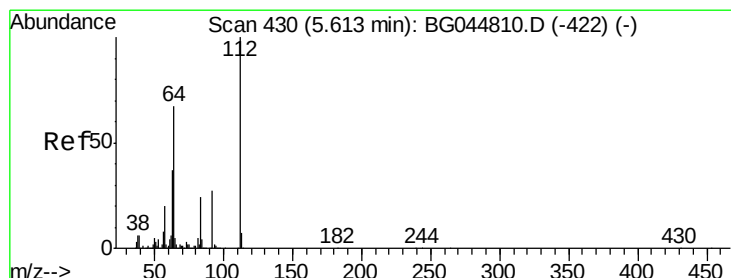
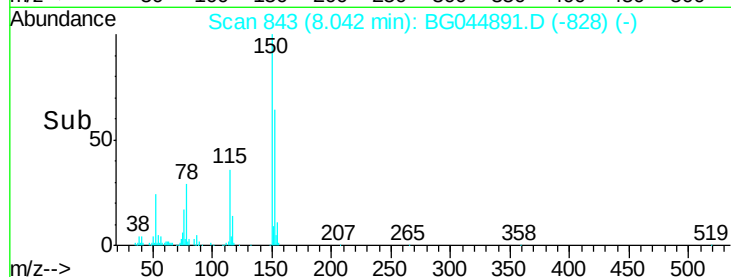
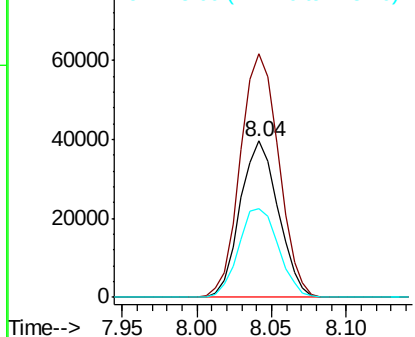
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.04 min Scan# 843  
Delta R.T. -0.01 min  
Lab File: BG044891.D  
Acq: 19 Mar 2020 10:21

Instrument :  
BNA\_G  
ClientSampleId :  
PB127567TB

Tot Ion:152 Resp: 69971  
Ion Ratio Lower Upper  
152 100  
150 155.6 128.8 193.2  
115 56.7 52.6 79.0



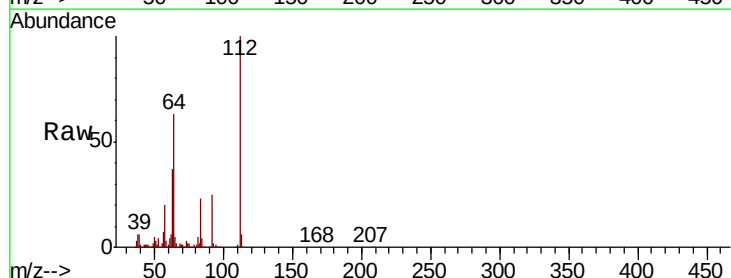
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



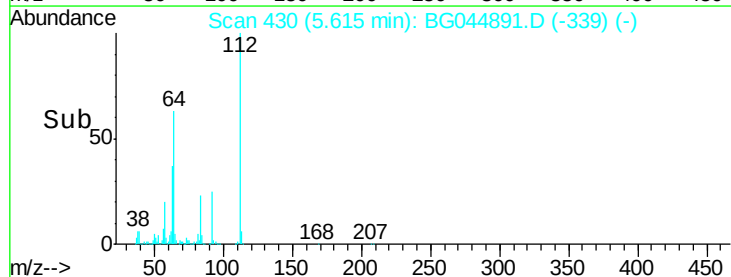
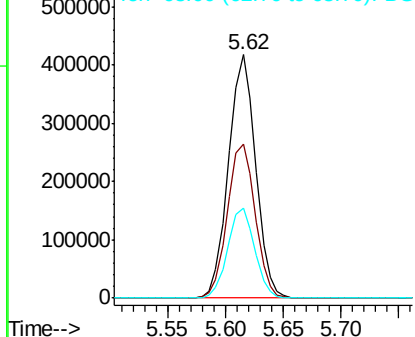
#5

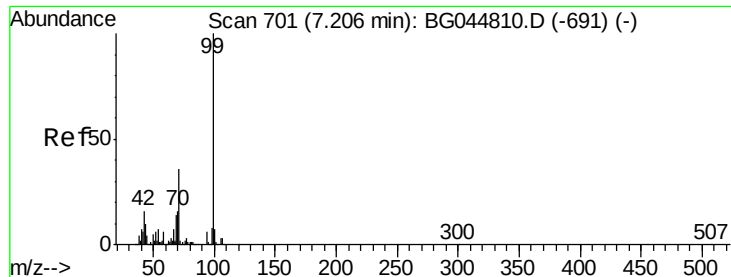
2-Fluorophenol  
Concen: 151.412 ng  
RT: 5.62 min Scan# 430  
Delta R.T. 0.00 min  
Lab File: BG044891.D  
Acq: 19 Mar 2020 10:21

Tgt Ion:112 Resp: 680573  
Ion Ratio Lower Upper  
112 100  
64 63.2 53.4 80.2  
63 37.0 29.4 44.2



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: 141.226 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044891.D

Acq: 19 Mar 2020 10:21

Instrument :

BNA\_G

ClientSampleId :

PB127567TB

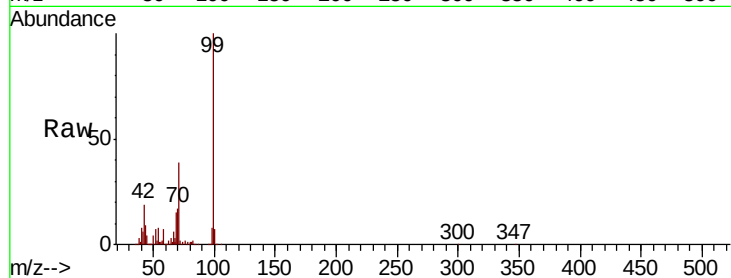
Tot Ion: 99 Resp: 922303

Ion Ratio Lower Upper

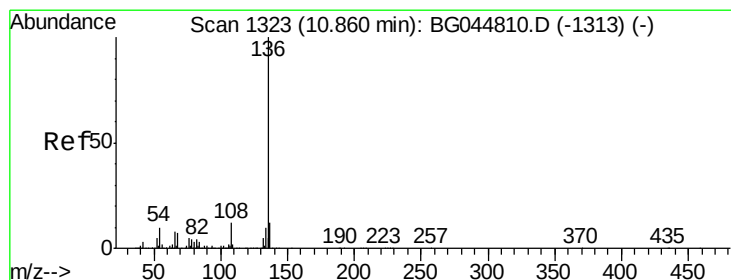
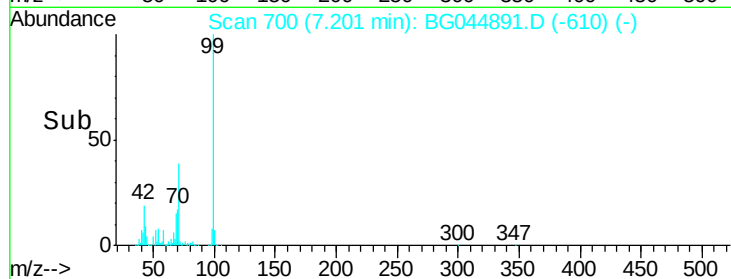
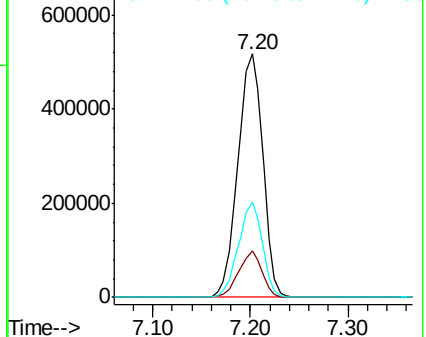
99 100

42 18.9 12.6 19.0

71 38.9 29.0 43.4



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: 10.85 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BG044891.D

Acq: 19 Mar 2020 10:21

Tgt Ion: 136 Resp: 274877

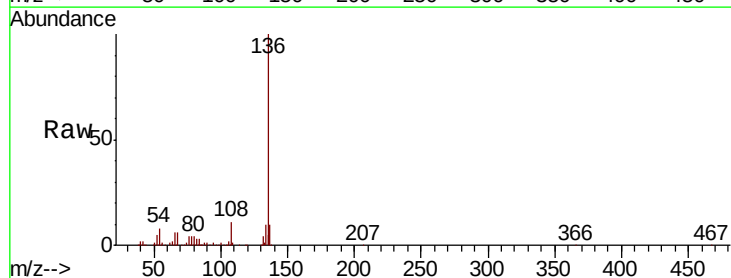
Ion Ratio Lower Upper

136 100

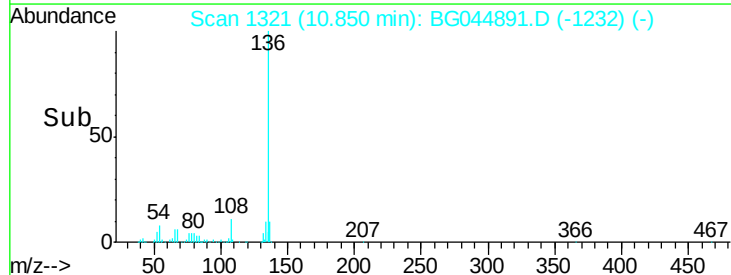
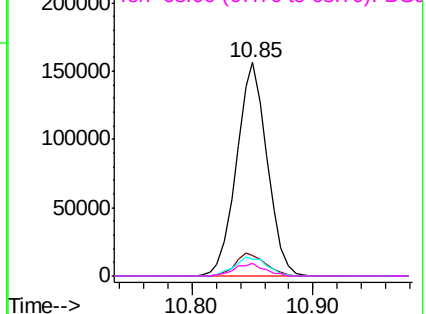
137 9.9 9.8 14.6

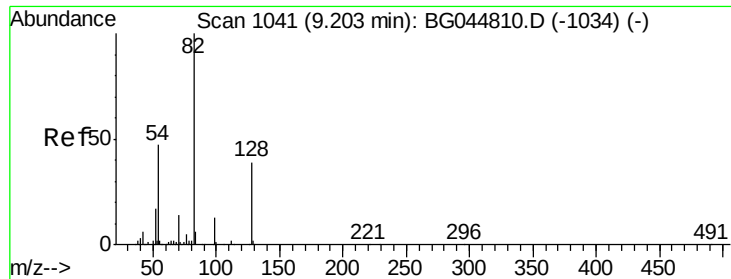
54 7.8 7.9 11.9#

68 6.0 5.4 8.0



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

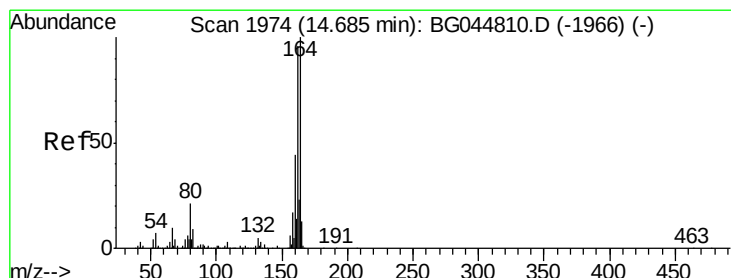
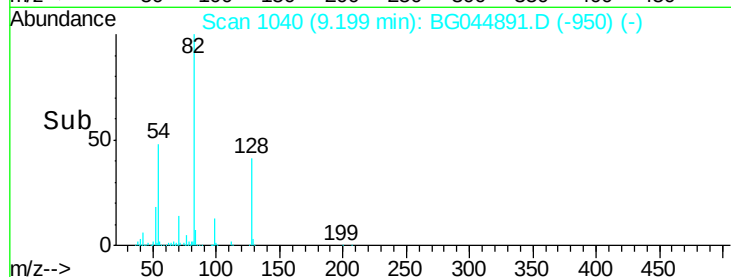
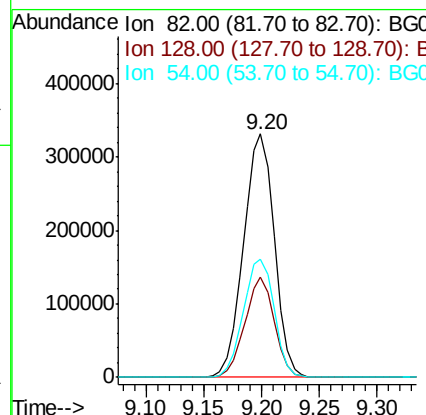
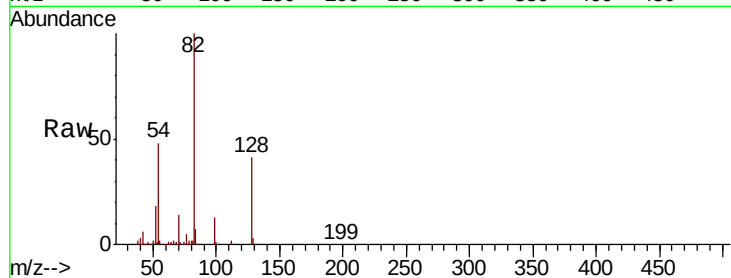




#23  
Nitrobenzene-d5  
Concen: 98.091 ng  
RT: 9.20 min Scan# 1040  
Delta R.T. -0.00 min  
Lab File: BG044891.D  
Acq: 19 Mar 2020 10:21

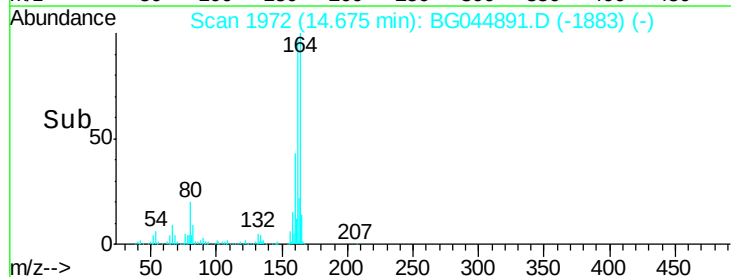
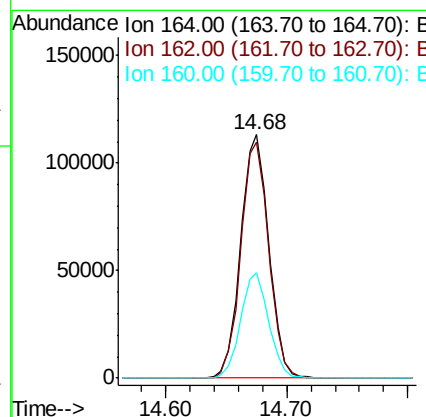
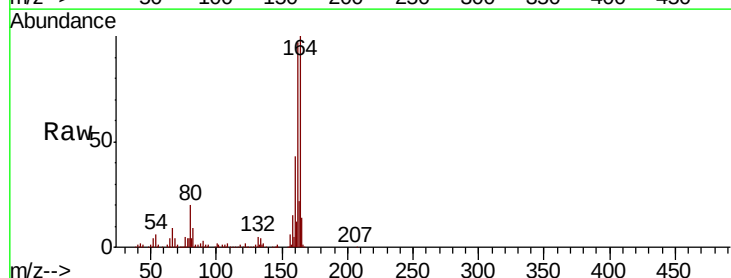
Instrument :  
BNA\_G  
ClientSampleId :  
PB127567TB

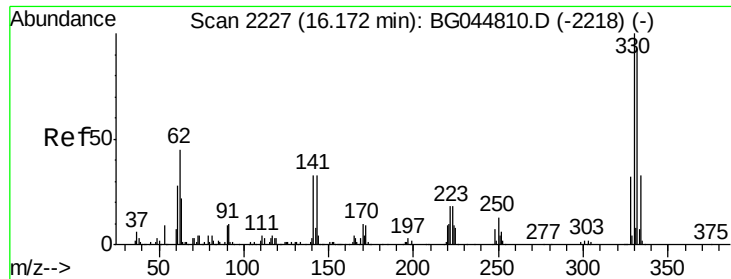
| Tot Ion   | 82    | Resp  | 614453 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 40.9  | 30.6  | 46.0   |
| 54        | 48.4  | 37.1  | 55.7   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.68 min Scan# 1972  
Delta R.T. -0.01 min  
Lab File: BG044891.D  
Acq: 19 Mar 2020 10:21

| Tgt Ion   | 164   | Resp  | 183588 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 96.8  | 76.7  | 115.1  |
| 160       | 43.3  | 35.0  | 52.4   |





#42

2,4,6-Tribromophenol

Concen: 171.015 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044891.D

Acq: 19 Mar 2020 10:21

Instrument :

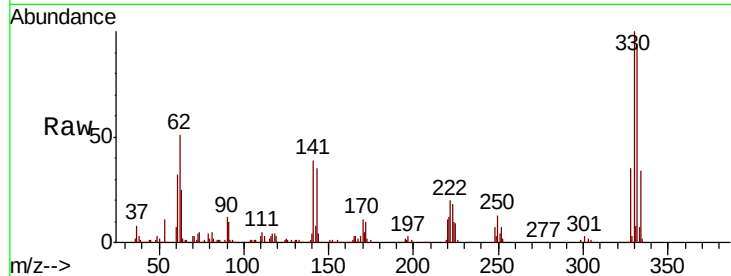
BNA\_G

ClientSampleId :

PB127567TB

Tot Ion:330 Resp: 411087

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 96.5  | 77.8  | 116.6 |
| 141 | 37.0  | 29.5  | 44.3  |

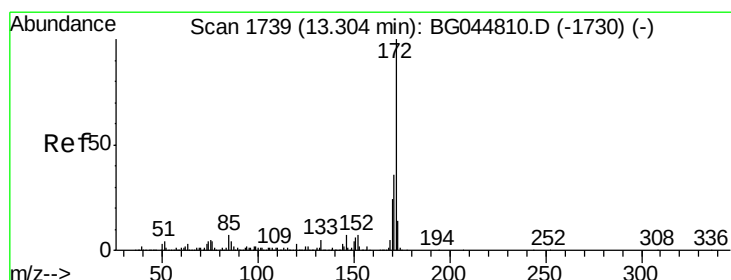
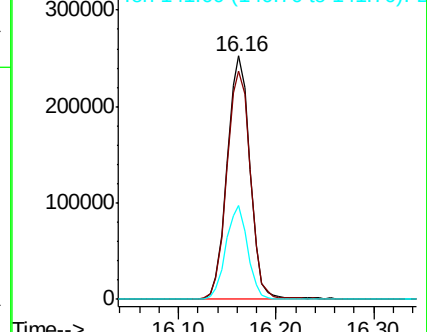
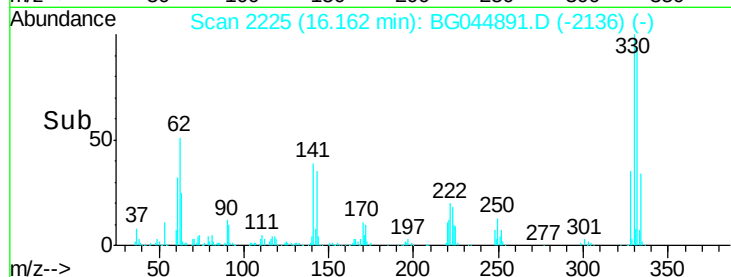


Abundance

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: 101.436 ng

RT: 13.30 min Scan# 1738

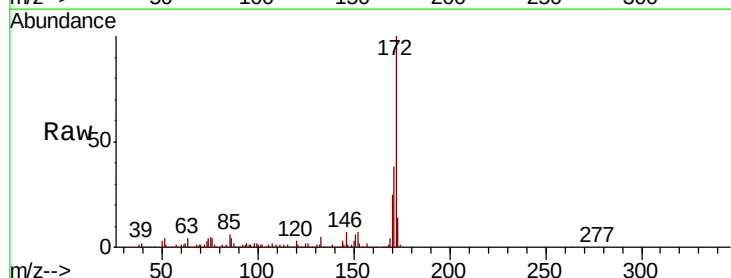
Delta R.T. -0.00 min

Lab File: BG044891.D

Acq: 19 Mar 2020 10:21

Tgt Ion:172 Resp: 1300423

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 37.7  | 28.7  | 43.1  |
| 170 | 24.6  | 19.0  | 28.6  |

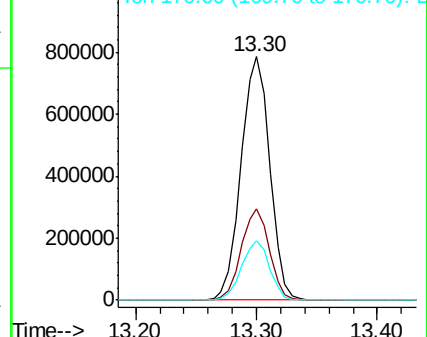
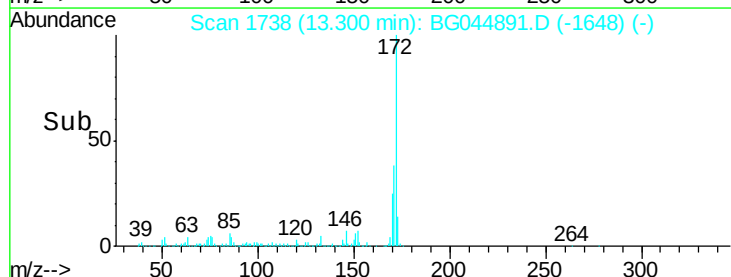


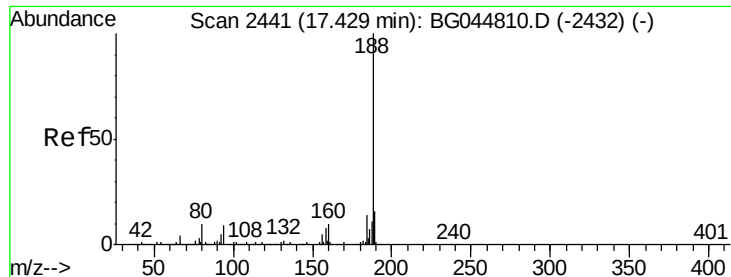
Abundance

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: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044891.D

Acq: 19 Mar 2020 10:21

Instrument :

BNA\_G

ClientSampleId :

PB127567TB

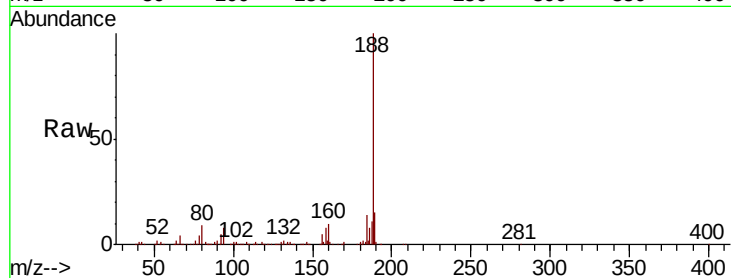
Tot Ion:188 Resp: 432053

Ion Ratio Lower Upper

188 100

94 7.8 7.3 10.9

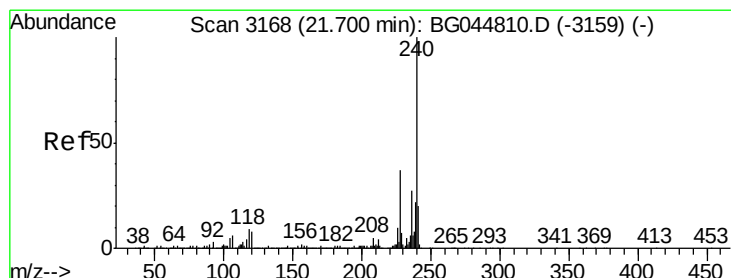
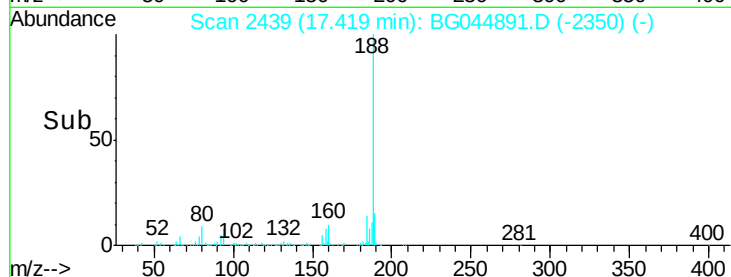
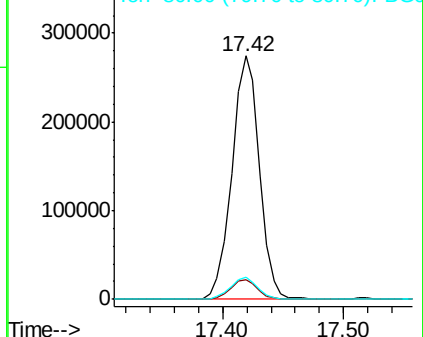
80 9.2 8.0 12.0



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: 21.68 min Scan# 3165

Delta R.T. -0.02 min

Lab File: BG044891.D

Acq: 19 Mar 2020 10:21

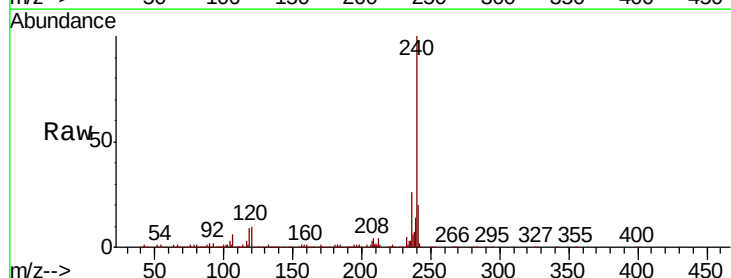
Tgt Ion:240 Resp: 509053

Ion Ratio Lower Upper

240 100

120 9.7 6.7 10.1

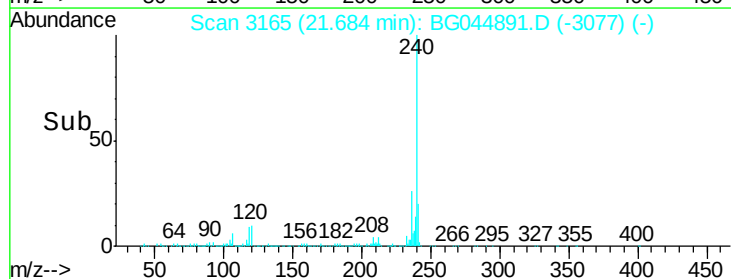
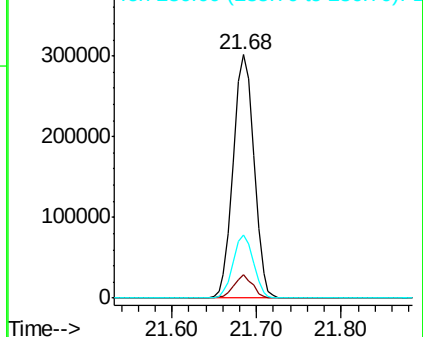
236 26.2 21.5 32.3

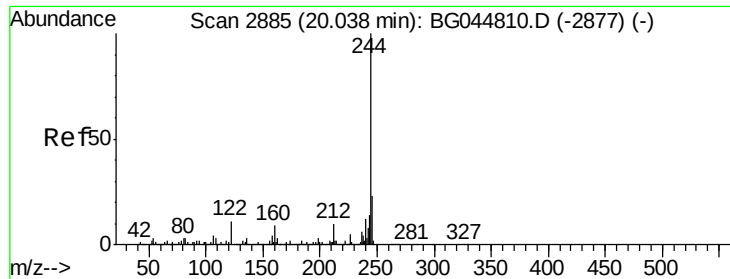


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 87.768 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044891.D

Acq: 19 Mar 2020 10:21

Instrument :

BNA\_G

ClientSampleId :

PB127567TB

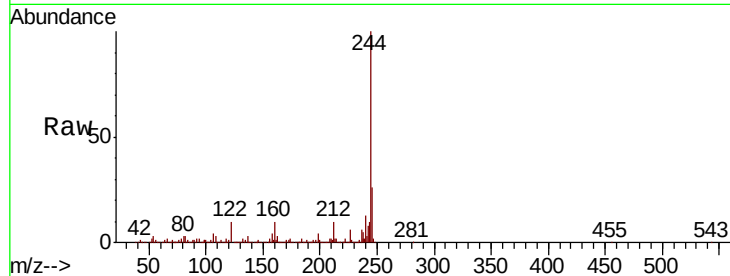
Tot Ion:244 Resp: 2388532

Ion Ratio Lower Upper

244 100

212 10.2 7.7 11.5

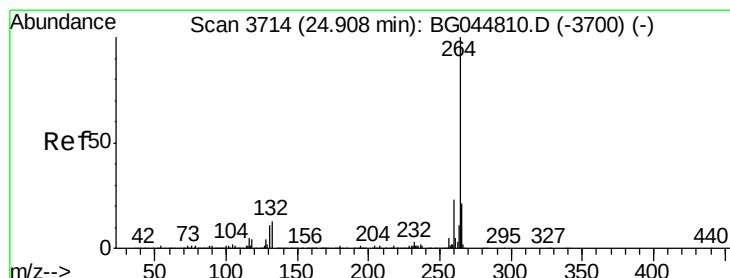
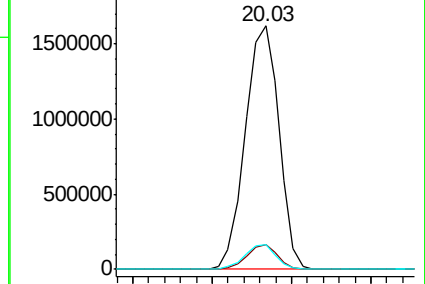
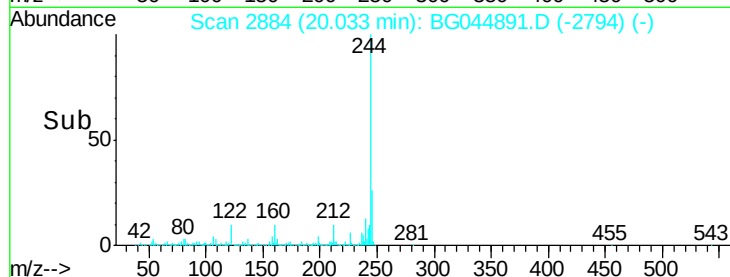
122 10.2 8.6 12.8



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: 24.89 min Scan# 3710

Delta R.T. -0.02 min

Lab File: BG044891.D

Acq: 19 Mar 2020 10:21

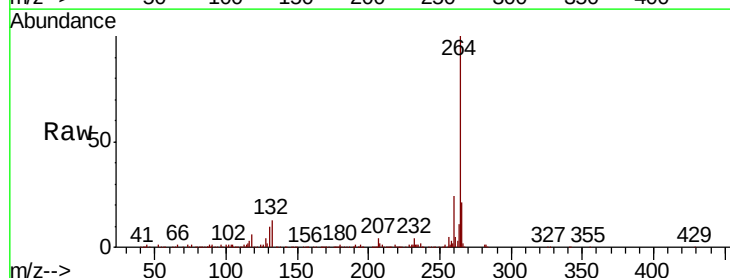
Tgt Ion:264 Resp: 529026

Ion Ratio Lower Upper

264 100

260 23.8 18.1 27.1

265 21.5 17.1 25.7



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

