

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\  
 Data File : BG044491.D  
 Acq On : 19 Feb 2020 15:28  
 Operator : CG/JU  
 Sample : PB126845BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB126845BL

Quant Time: Feb 20 07:41:29 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 10 16:11:50 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.89  | 152  | 55903    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.69 | 136  | 224619   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.53 | 164  | 145598   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.27 | 188  | 339130   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.52 | 240  | 354448   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 24.60 | 264  | 377622   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 470346   | 148.49 | ng    | 0.00     |
| 7) Phenol-d6                | 7.06  | 99   | 603621   | 141.91 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.05  | 82   | 361405   | 90.84  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.02 | 330  | 242836   | 142.07 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.15 | 172  | 861058   | 99.03  | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.90 | 244  | 1514282  | 87.87  | ng    | 0.00     |

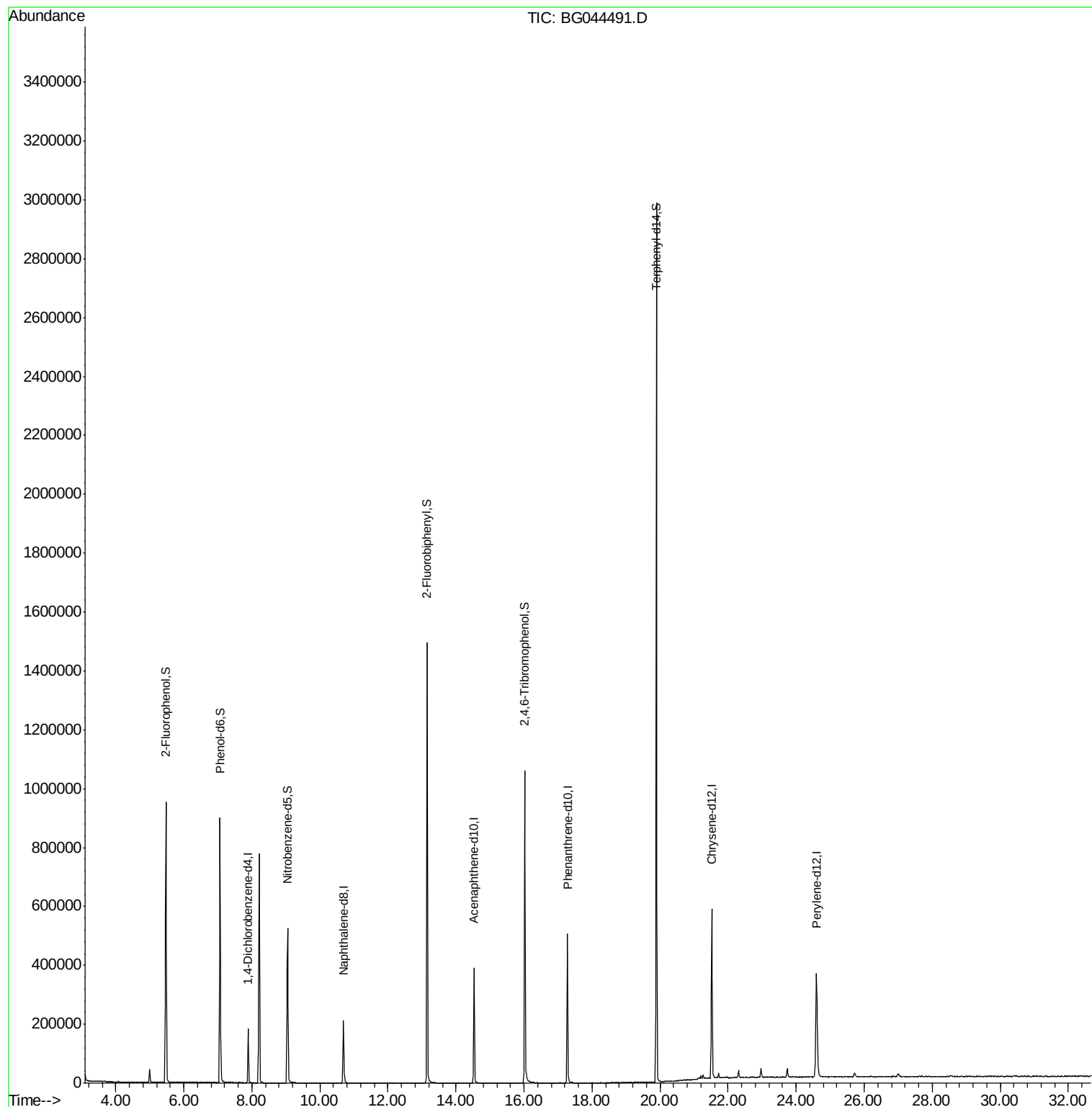
Target Compounds Qvalue

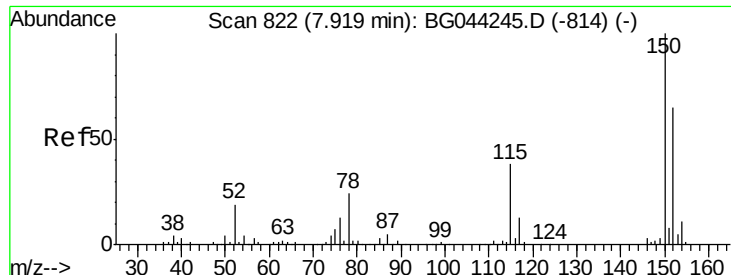
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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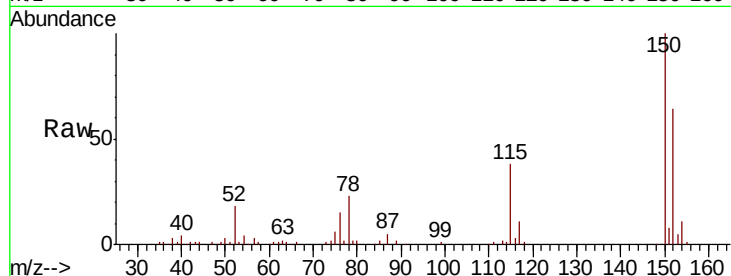


#1

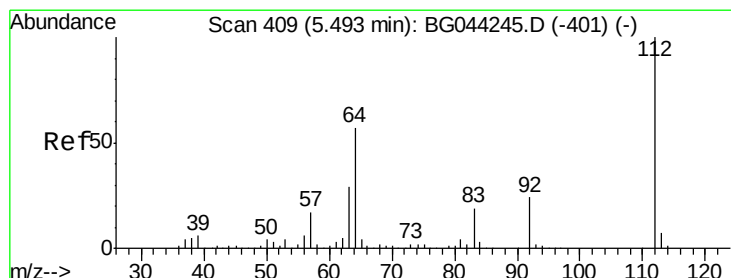
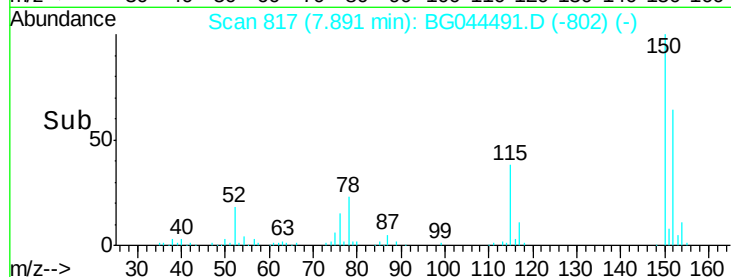
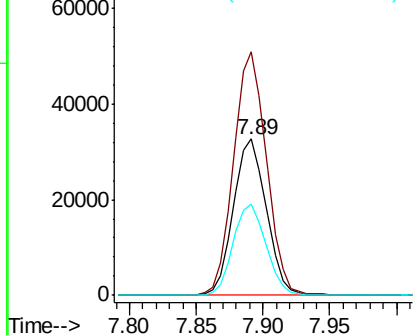
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.89 min Scan# 817  
Delta R.T. -0.01 min  
Lab File: BG044491.D  
Acq: 19 Feb 2020 15:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB126845BL

Tot Ion:152 Resp: 55903  
Ion Ratio Lower Upper  
152 100  
150 155.7 122.6 183.8  
115 58.8 46.0 69.0



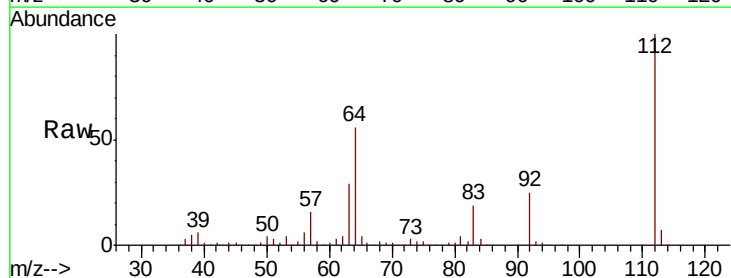
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



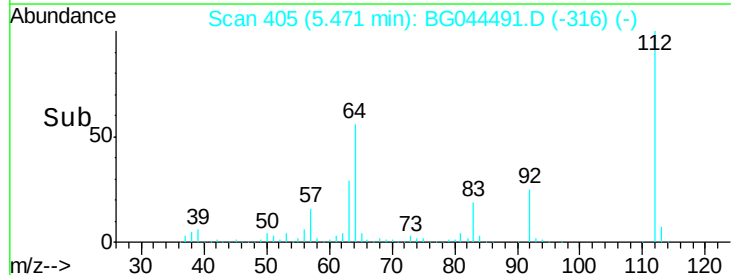
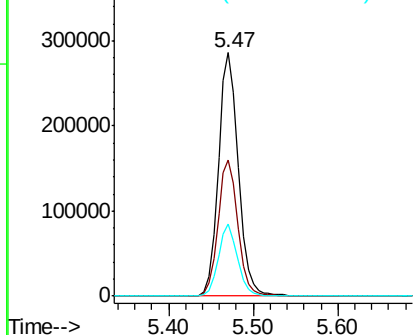
#5

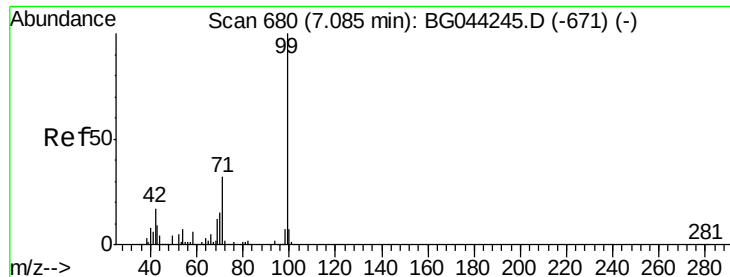
2-Fluorophenol  
Concen: 148.487 ng  
RT: 5.47 min Scan# 405  
Delta R.T. -0.01 min  
Lab File: BG044491.D  
Acq: 19 Feb 2020 15:28

Tgt Ion:112 Resp: 470346  
Ion Ratio Lower Upper  
112 100  
64 56.0 45.4 68.2  
63 29.4 22.9 34.3



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG0  
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 141.908 ng

RT: 7.06 min Scan# 676

Delta R.T. -0.01 min

Lab File: BG044491.D

Acq: 19 Feb 2020 15:28

Instrument :

BNA\_G

ClientSampleId :

PB126845BL

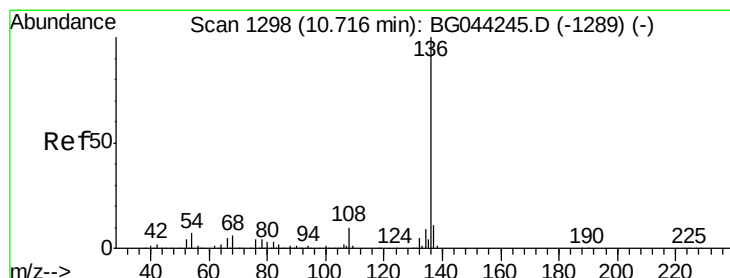
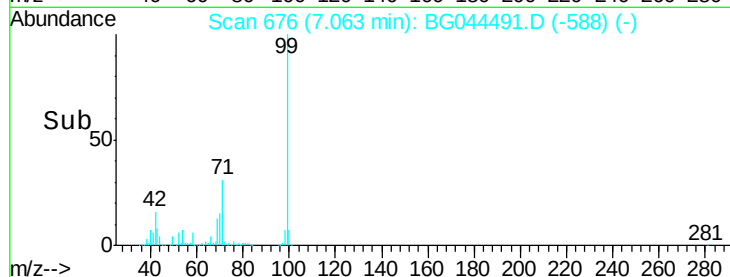
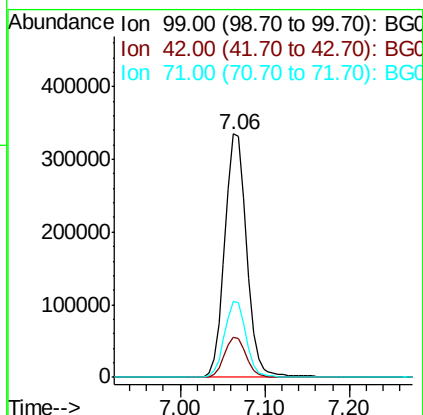
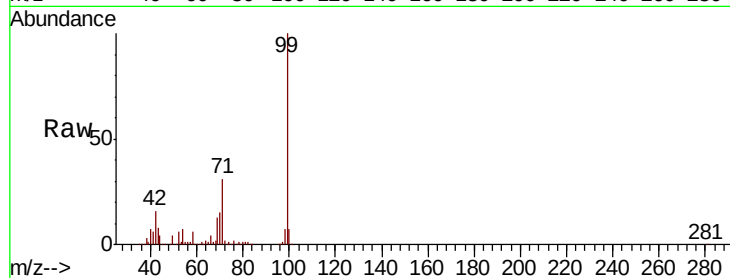
Tot Ion: 99 Resp: 603621

Ion Ratio Lower Upper

99 100

42 16.4 13.8 20.6

71 31.2 25.5 38.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.69 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BG044491.D

Acq: 19 Feb 2020 15:28

Tgt Ion: 136 Resp: 224619

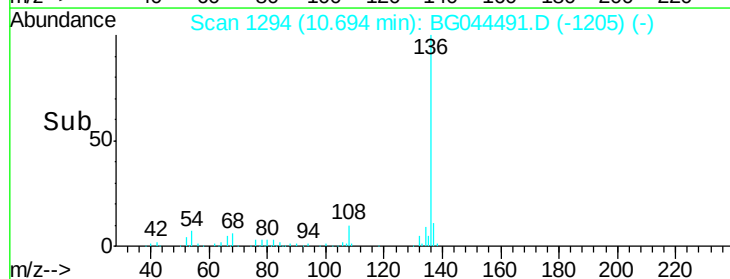
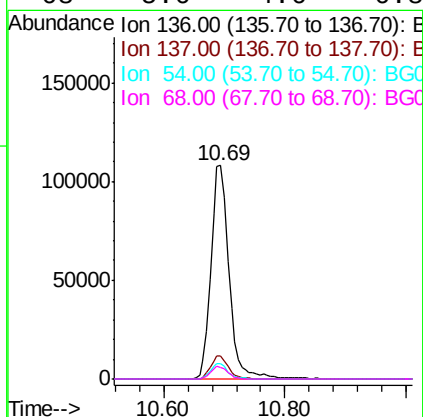
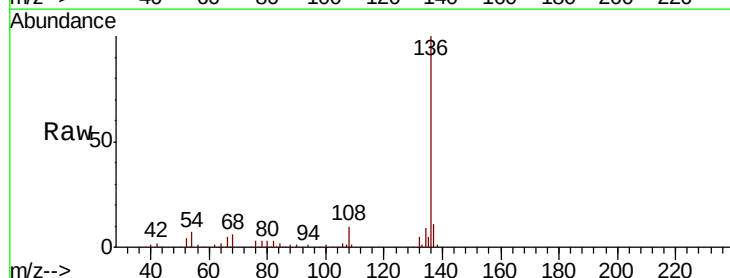
Ion Ratio Lower Upper

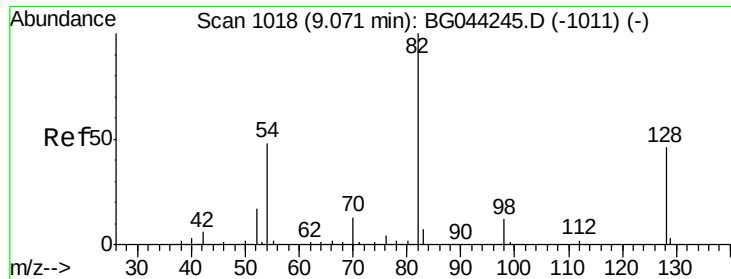
136 100

137 11.0 8.8 13.2

54 7.4 5.8 8.8

68 5.6 4.6 6.8

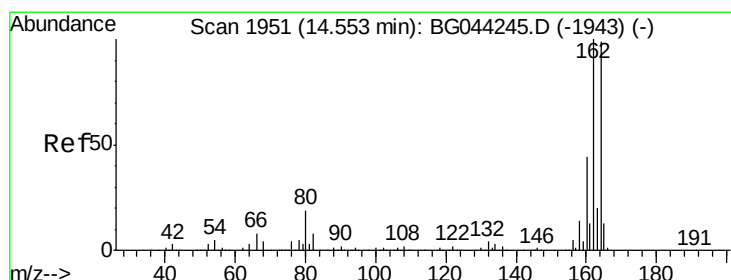
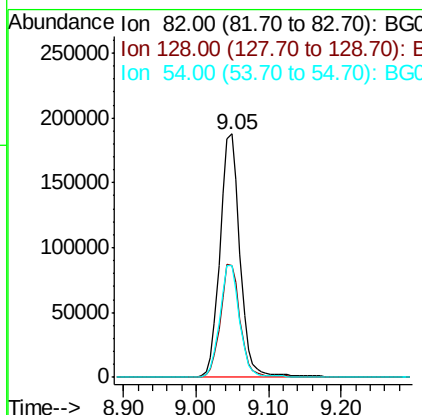
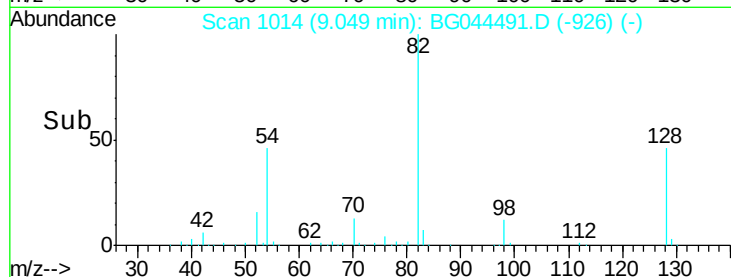
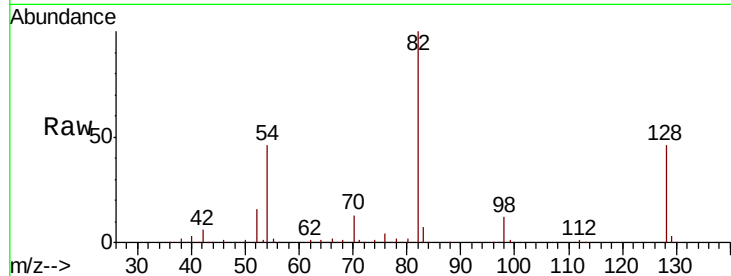




#23  
Nitrobenzene-d5  
Concen: 90.836 ng  
RT: 9.05 min Scan# 1014  
Delta R.T. -0.01 min  
Lab File: BG044491.D  
Acq: 19 Feb 2020 15:28

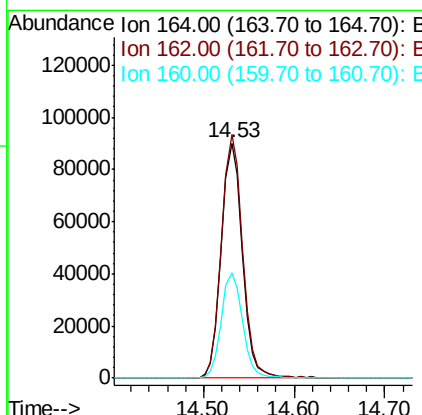
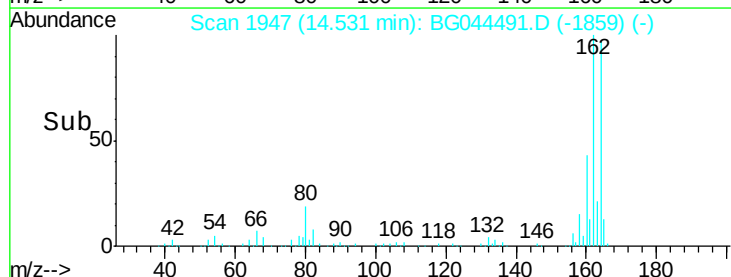
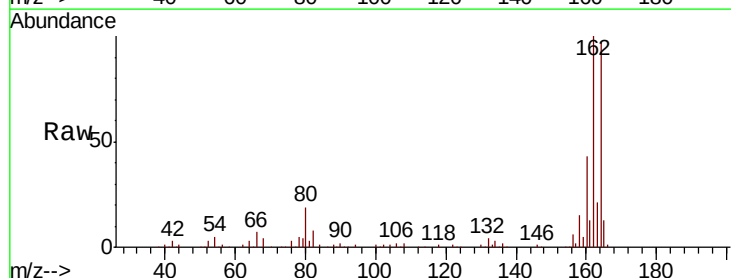
Instrument :  
BNA\_G  
ClientSampleID :  
PB126845BL

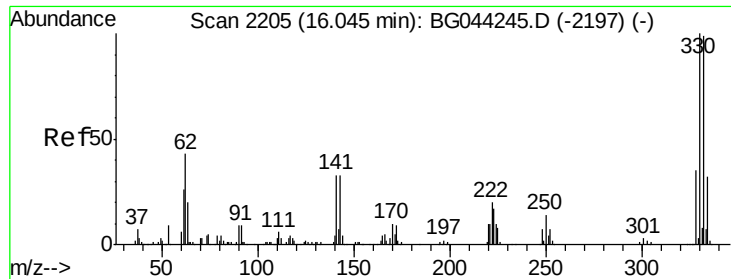
Tot Ion: 82 Resp: 361405  
Ion Ratio Lower Upper  
82 100  
128 45.9 36.5 54.7  
54 46.1 38.6 58.0



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.53 min Scan# 1947  
Delta R.T. -0.01 min  
Lab File: BG044491.D  
Acq: 19 Feb 2020 15:28

Tgt Ion: 164 Resp: 145598  
Ion Ratio Lower Upper  
164 100  
162 103.5 80.7 121.1  
160 44.8 35.3 52.9

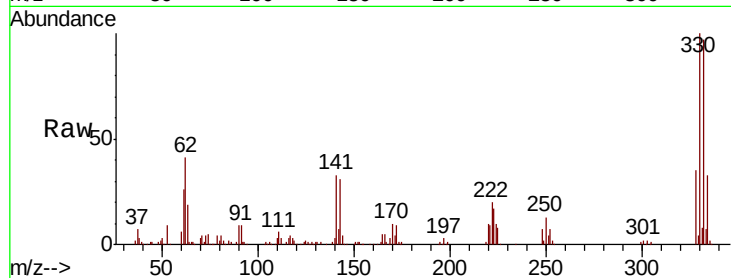




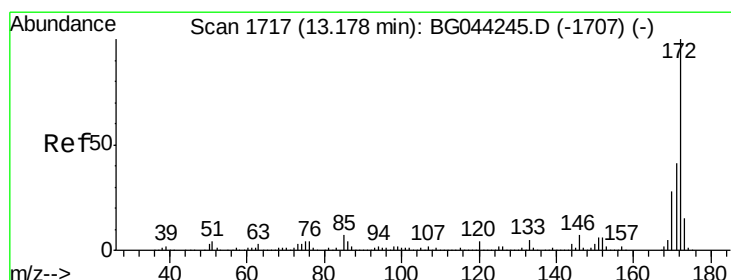
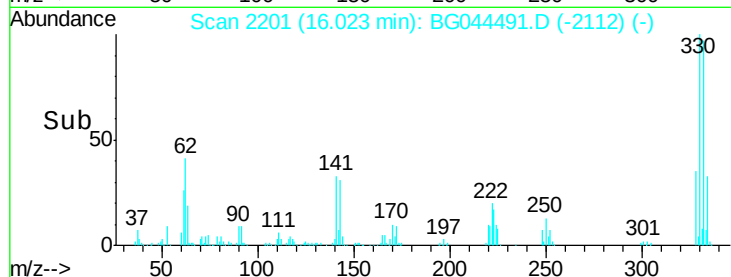
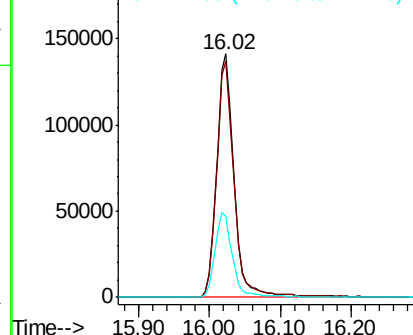
#42  
 2,4,6-Tribromophenol  
 Concen: 142.073 ng  
 RT: 16.02 min Scan# 2201  
 Delta R.T. -0.01 min  
 Lab File: BG044491.D  
 Acq: 19 Feb 2020 15:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB126845BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.5  | 77.2  | 115.8 |
| 141     | 34.7  | 28.3  | 42.5  |

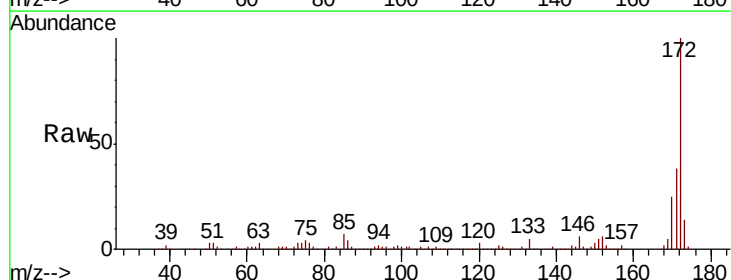


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

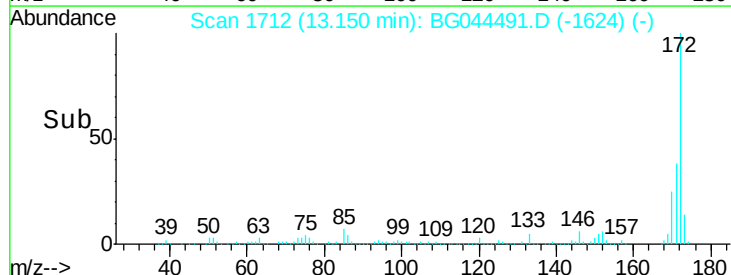
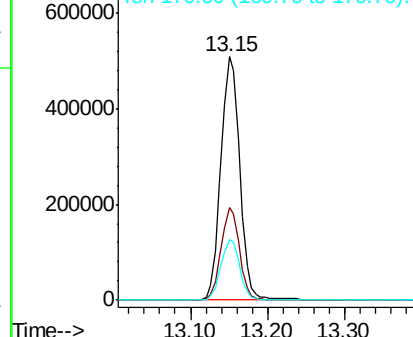


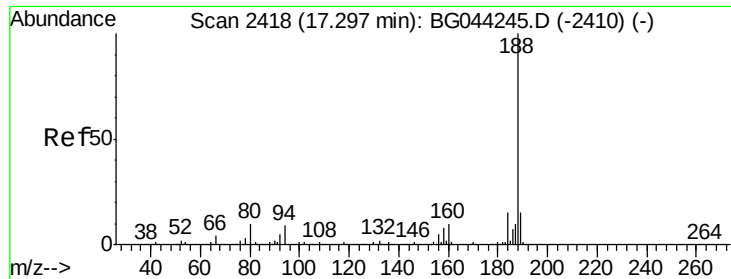
#45  
 2-Fluorobiphenyl  
 Concen: 99.032 ng  
 RT: 13.15 min Scan# 1712  
 Delta R.T. -0.01 min  
 Lab File: BG044491.D  
 Acq: 19 Feb 2020 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.0  | 32.9  | 49.3  |
| 170     | 24.9  | 22.0  | 33.0  |



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: 17.27 min Scan# 2414

Delta R.T. -0.01 min

Lab File: BG044491.D

Acq: 19 Feb 2020 15:28

Instrument :

BNA\_G

ClientSampleId :

PB126845BL

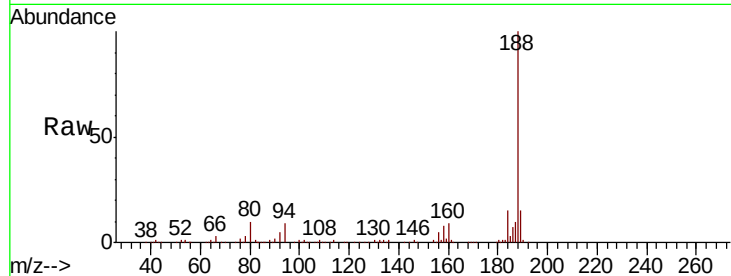
Tot Ion:188 Resp: 339130

Ion Ratio Lower Upper

188 100

94 8.8 7.4 11.2

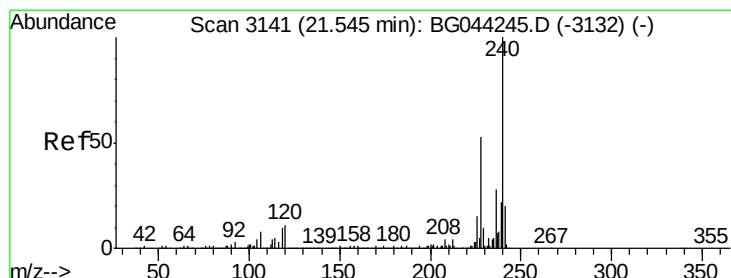
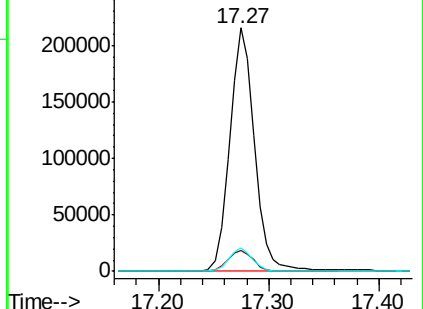
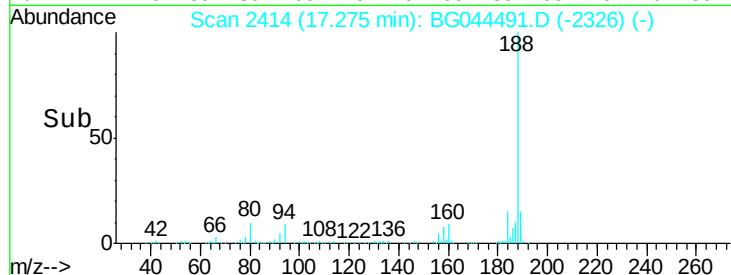
80 9.7 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.52 min Scan# 3136

Delta R.T. -0.02 min

Lab File: BG044491.D

Acq: 19 Feb 2020 15:28

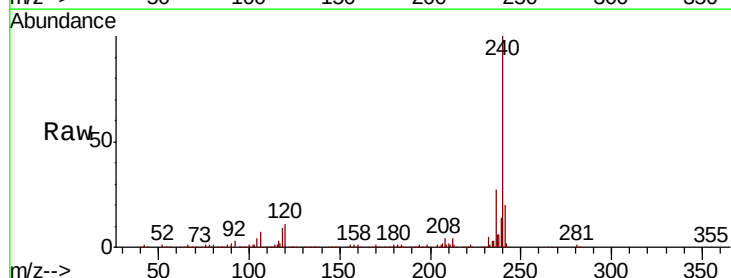
Tgt Ion:240 Resp: 354448

Ion Ratio Lower Upper

240 100

120 10.7 8.4 12.6

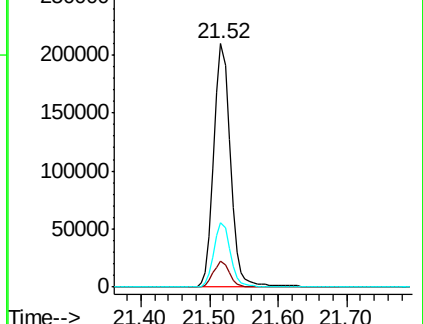
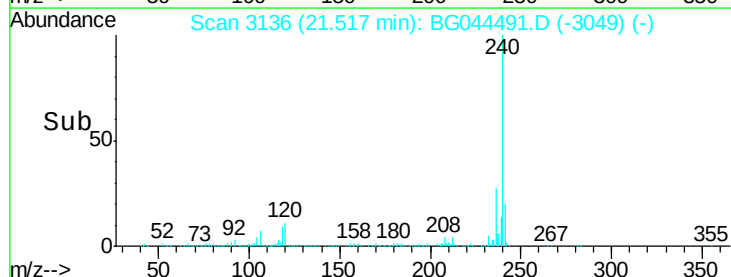
236 26.5 22.1 33.1

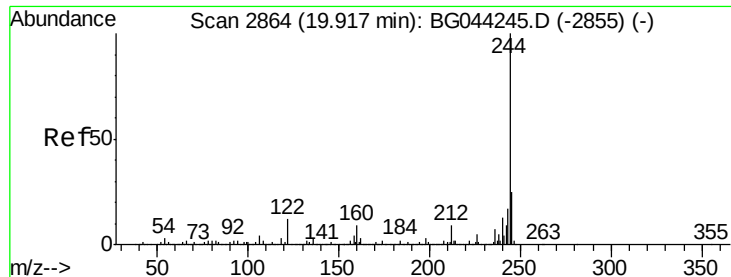


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 87.874 ng

RT: 19.90 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG044491.D

Acq: 19 Feb 2020 15:28

Instrument :

BNA\_G

ClientSampleId :

PB126845BL

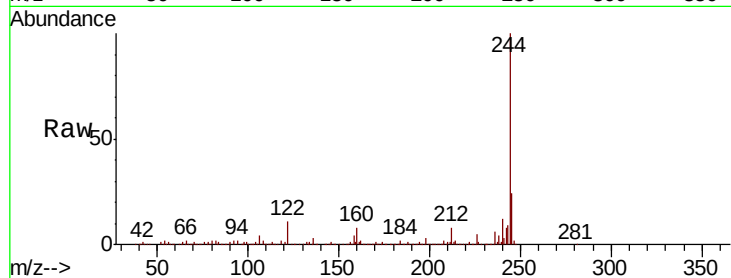
Tot Ion:244 Resp: 1514282

Ion Ratio Lower Upper

244 100

212 8.4 7.4 11.2

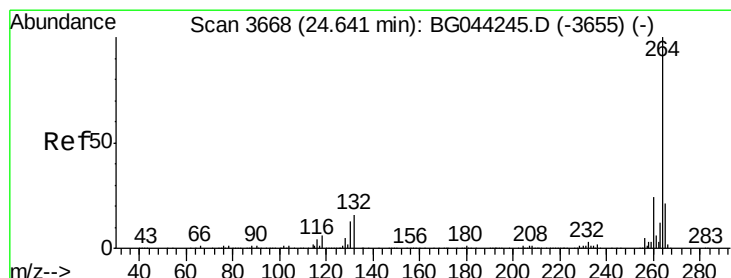
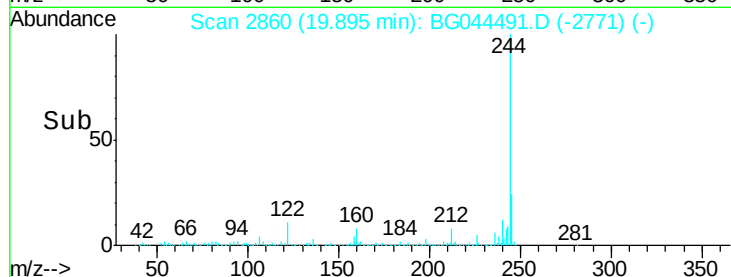
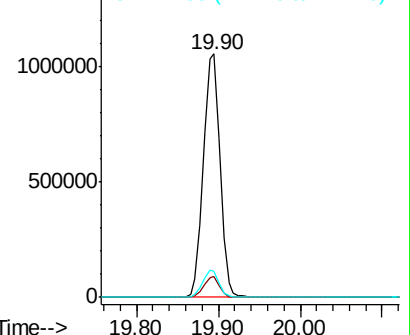
122 10.8 9.8 14.6



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: 24.60 min Scan# 3660

Delta R.T. -0.03 min

Lab File: BG044491.D

Acq: 19 Feb 2020 15:28

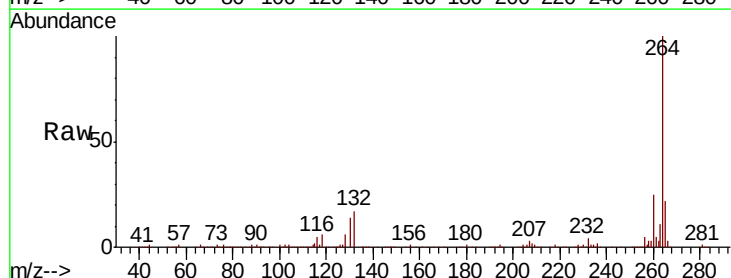
Tgt Ion:264 Resp: 377622

Ion Ratio Lower Upper

264 100

260 24.6 19.4 29.2

265 22.2 16.7 25.1



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

