

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\  
 Data File : BG044422.D  
 Acq On : 13 Feb 2020 18:00  
 Operator : CG/JU  
 Sample : PB126789BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB126789BL

Quant Time: Feb 14 03:08:19 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   | 7.90  | 152  | 71505    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.71 | 136  | 305554   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.54 | 164  | 208958   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.29 | 188  | 475076   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.53 | 240  | 451146   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.62 | 264  | 462353   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.48  | 112  | 635619   | 156.88 | ng    | 0.00     |
| 7) Phenol-d6                | 7.08  | 99   | 836481   | 153.74 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.06  | 82   | 491349   | 90.79  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.03 | 330  | 341483   | 139.21 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.16 | 172  | 1189827  | 95.35  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.90 | 244  | 1887873  | 86.07  | ng    | 0.00     |

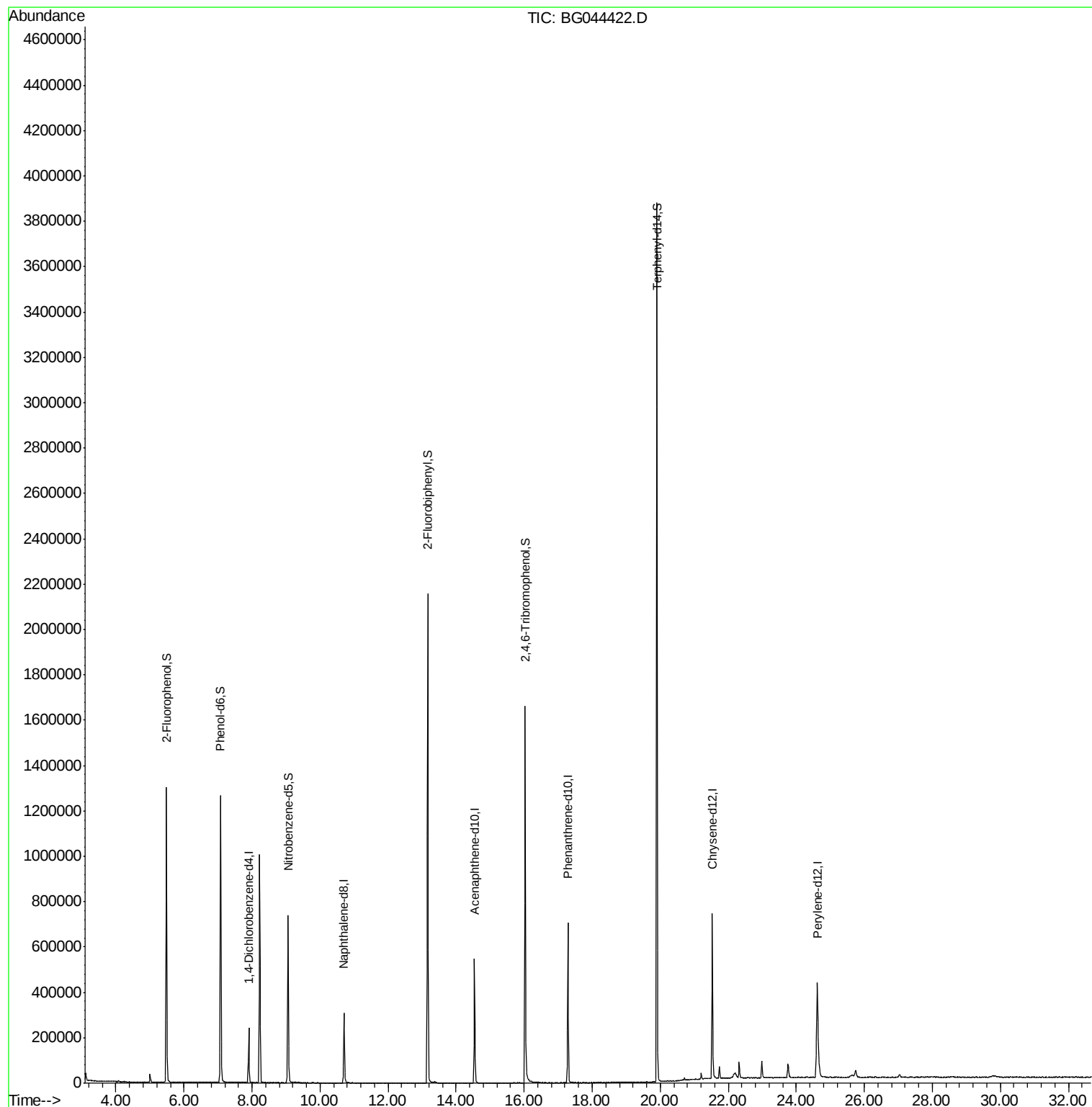
Target Compounds Qvalue

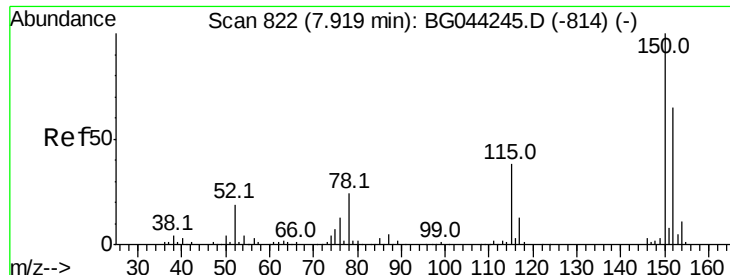
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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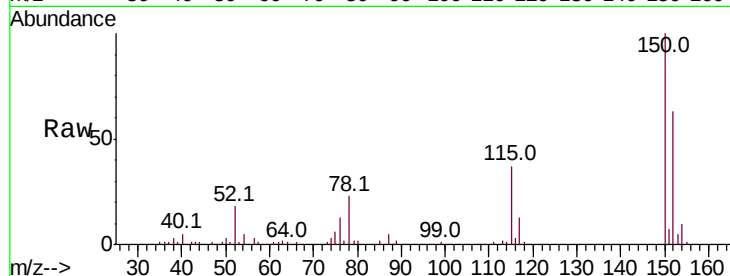


#1

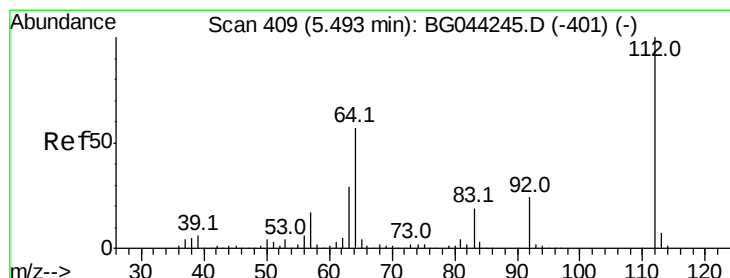
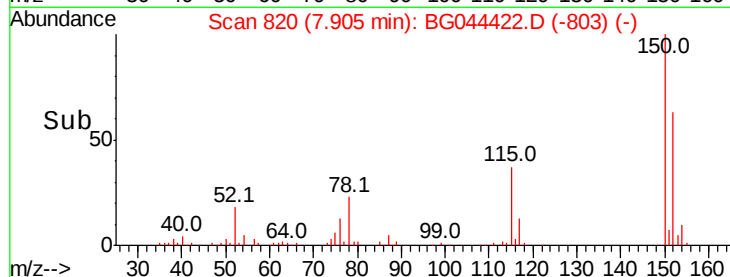
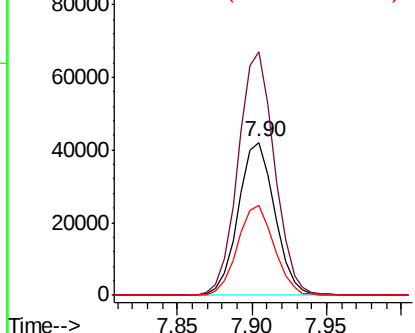
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.90 min Scan# 820  
Delta R.T. -0.00 min  
Lab File: BG044422.D  
Acq: 13 Feb 2020 18:00

Instrument :  
BNA\_G  
ClientSampleId :  
PB126789BL

Tot Ion:152 Resp: 71505  
Ion Ratio Lower Upper  
152 100  
150 159.2 122.6 183.8  
115 59.2 46.0 69.0



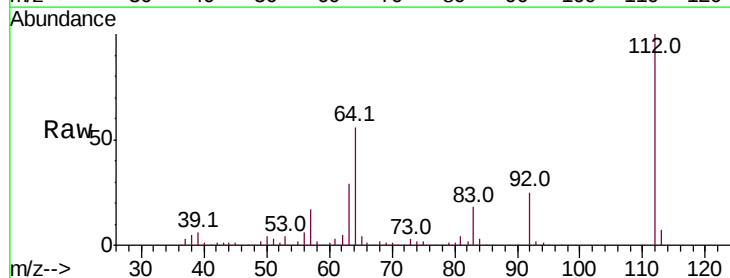
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



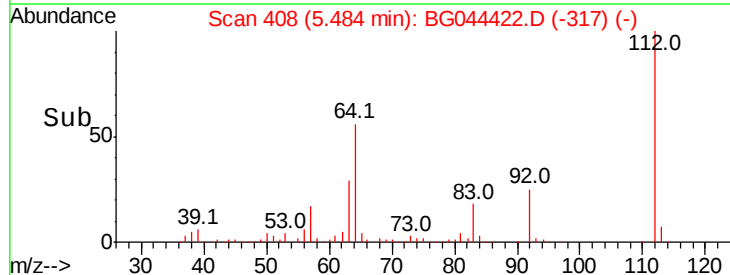
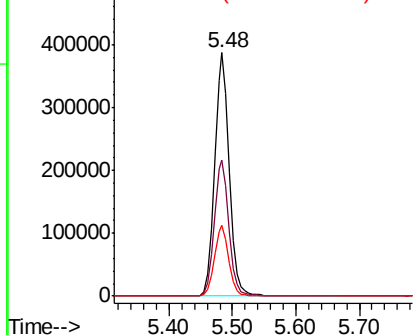
#5

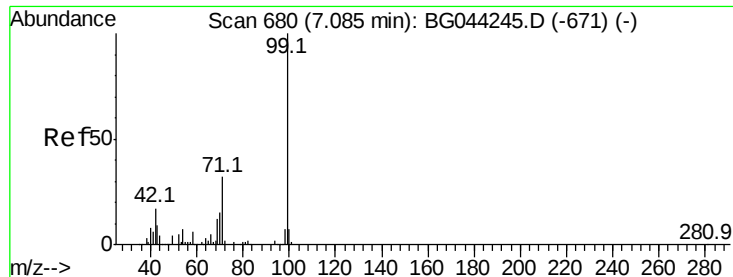
2-Fluorophenol  
Concen: 156.880 ng  
RT: 5.48 min Scan# 408  
Delta R.T. 0.01 min  
Lab File: BG044422.D  
Acq: 13 Feb 2020 18:00

Tgt Ion:112 Resp: 635619  
Ion Ratio Lower Upper  
112 100  
64 56.1 45.4 68.2  
63 29.3 22.9 34.3



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: 153.744 ng

RT: 7.08 min Scan# 679

Delta R.T. -0.00 min

Lab File: BG044422.D

Acq: 13 Feb 2020 18:00

Instrument :

BNA\_G

ClientSampleId :

PB126789BL

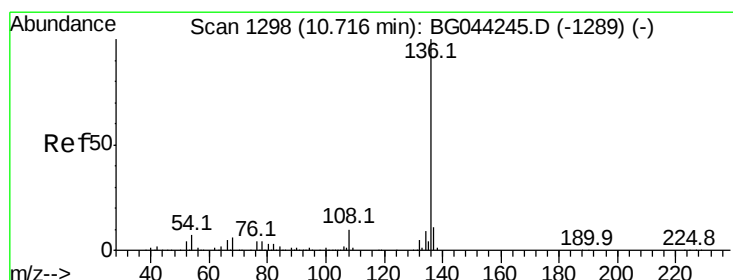
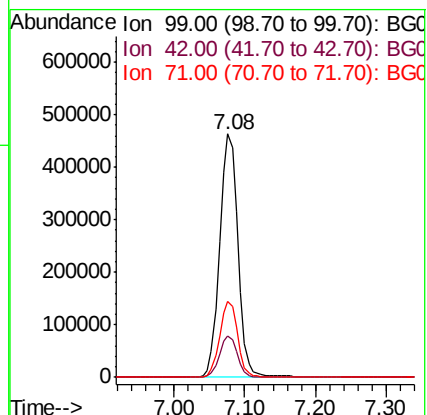
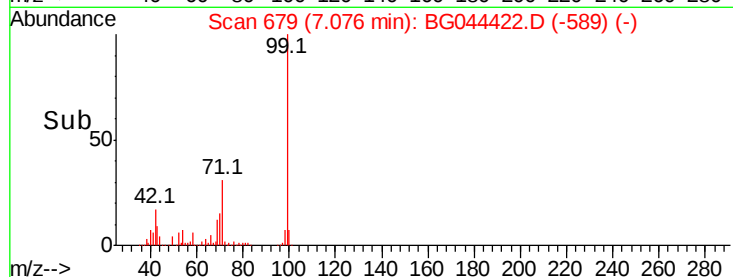
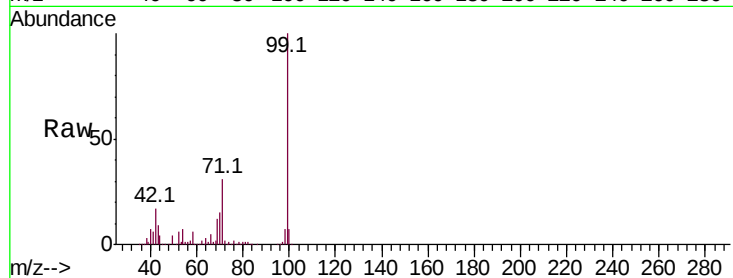
Tot Ion: 99 Resp: 836481

Ion Ratio Lower Upper

99 100

42 16.9 13.8 20.6

71 31.1 25.5 38.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.71 min Scan# 1297

Delta R.T. 0.01 min

Lab File: BG044422.D

Acq: 13 Feb 2020 18:00

Tgt Ion: 136 Resp: 305554

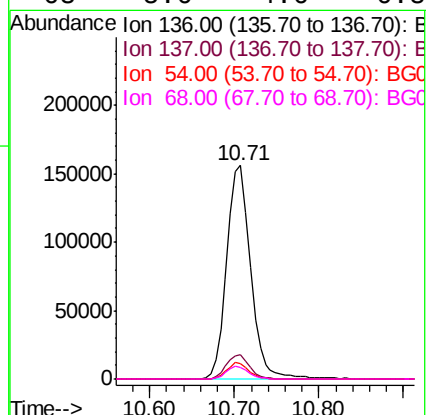
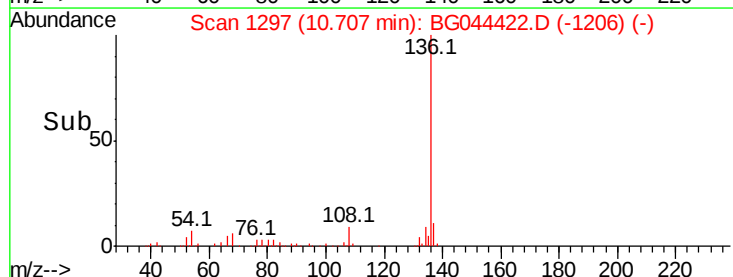
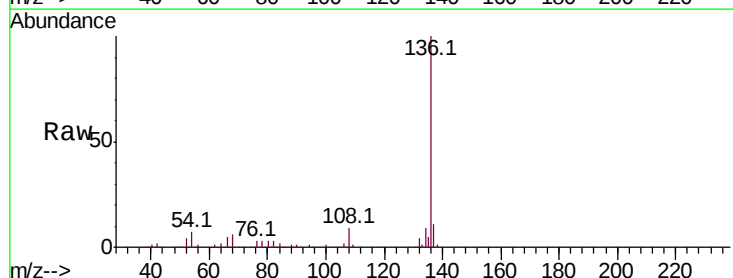
Ion Ratio Lower Upper

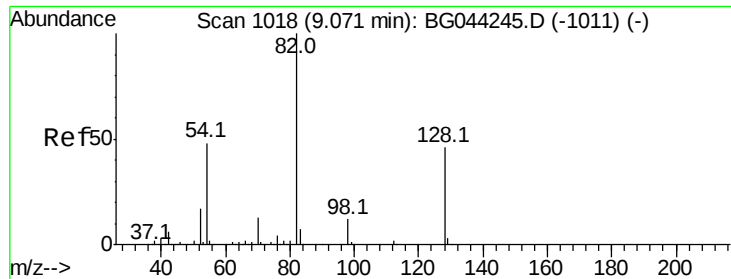
136 100

137 11.2 8.8 13.2

54 7.3 5.8 8.8

68 5.6 4.6 6.8

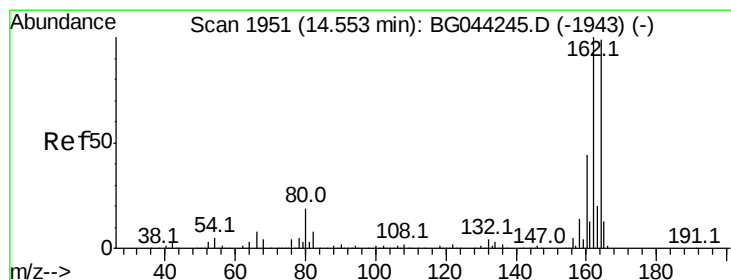
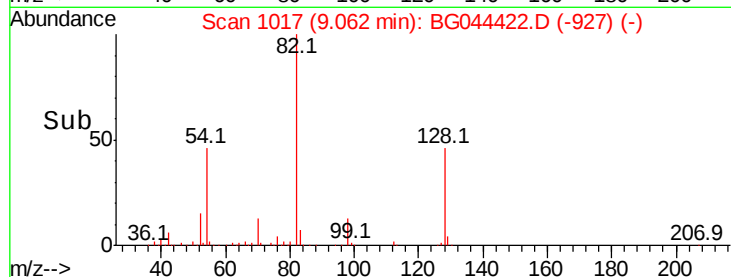
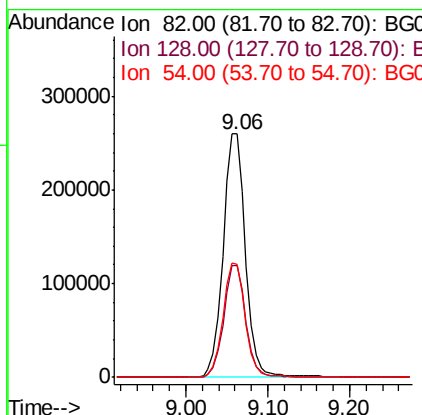
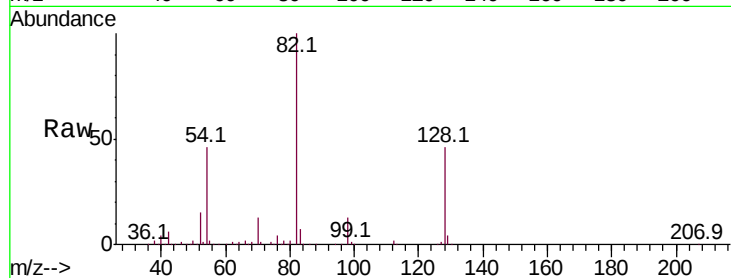




#23  
Nitrobenzene-d5  
Concen: 90.785 ng  
RT: 9.06 min Scan# 1017  
Delta R.T. -0.00 min  
Lab File: BG044422.D  
Acq: 13 Feb 2020 18:00

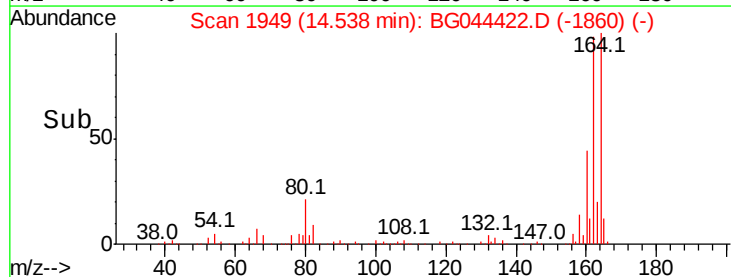
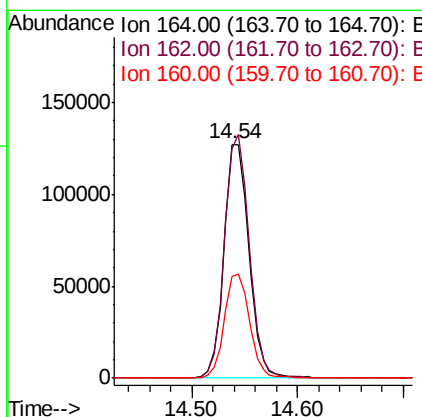
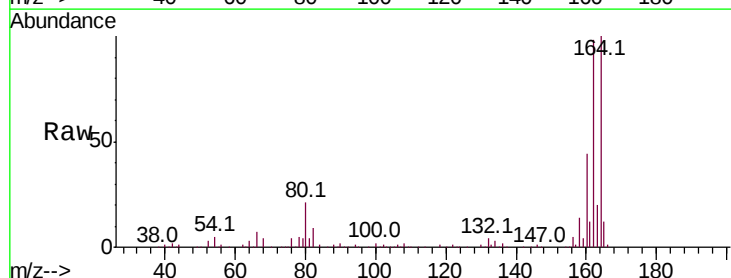
Instrument :  
BNA\_G  
ClientSampleId :  
PB126789BL

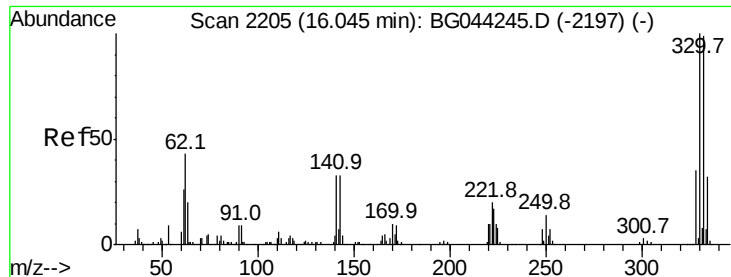
| Tot Ion   | 82   | Resp  | 491349 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 45.7 | 36.5  | 54.7   |
| 54        | 46.3 | 38.6  | 58.0   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.54 min Scan# 1949  
Delta R.T. -0.01 min  
Lab File: BG044422.D  
Acq: 13 Feb 2020 18:00

| Tgt Ion                                              | 164  | Resp  | 208958 |
|------------------------------------------------------|------|-------|--------|
| Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td> | 100  | Lower | Upper  |
| 162                                                  | 98.0 | 80.7  | 121.1  |
| 160                                                  | 43.6 | 35.3  | 52.9   |





#42

2,4,6-Tribromophenol

Concen: 139.208 ng

RT: 16.03 min Scan# 2203

Delta R.T. -0.00 min

Lab File: BG044422.D

Acq: 13 Feb 2020 18:00

Instrument :

BNA\_G

ClientSampled :

PB126789BL

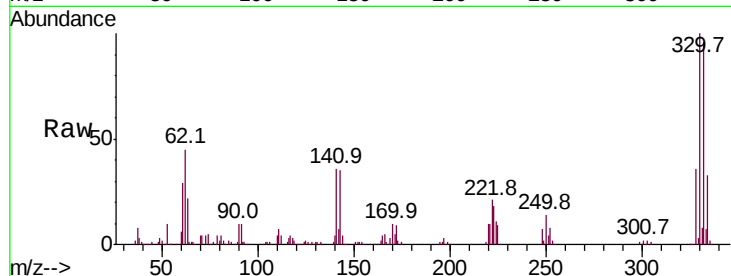
Tot Ion:330 Resp: 341483

Ion Ratio Lower Upper

330 100

332 96.8 77.2 115.8

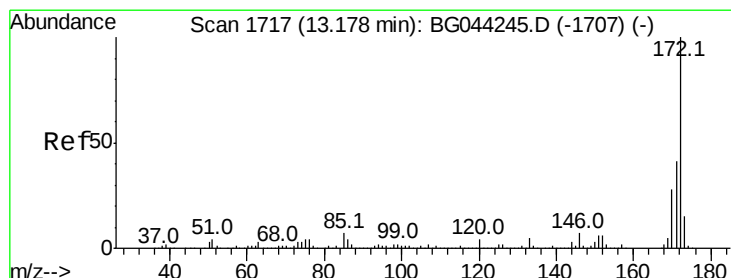
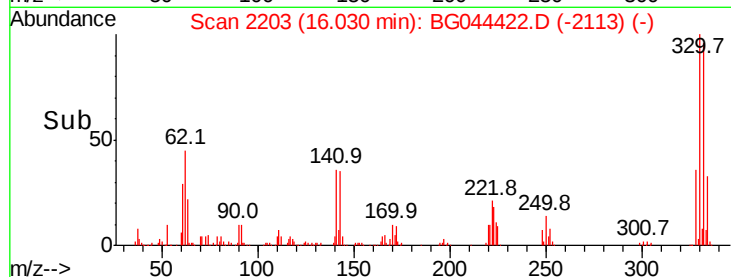
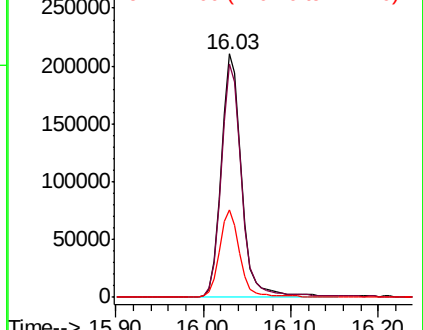
141 36.1 28.3 42.5



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: 95.351 ng

RT: 13.16 min Scan# 1715

Delta R.T. -0.00 min

Lab File: BG044422.D

Acq: 13 Feb 2020 18:00

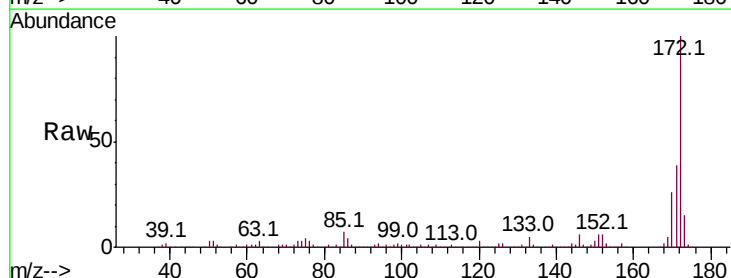
Tgt Ion:172 Resp: 1189827

Ion Ratio Lower Upper

172 100

171 39.3 32.9 49.3

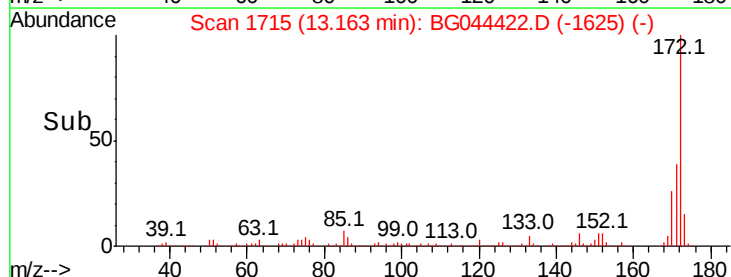
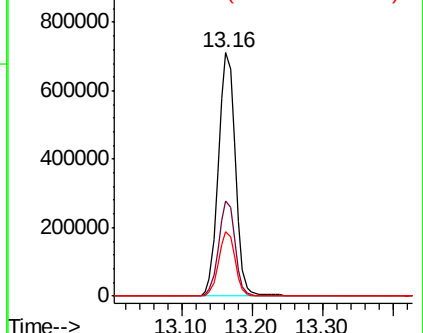
170 26.4 22.0 33.0

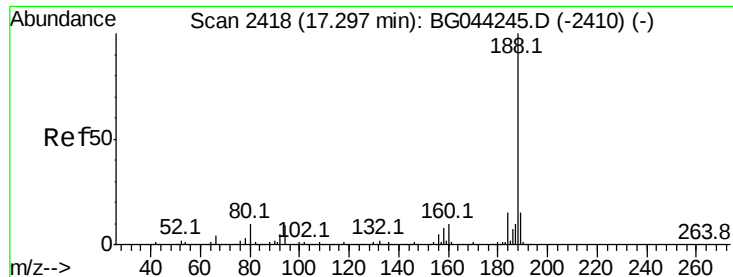


Abundance Ion 172.00 (171.70 to 172.70): E

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: 17.29 min Scan# 2417

Delta R.T. -0.00 min

Lab File: BG044422.D

Acq: 13 Feb 2020 18:00

Instrument :

BNA\_G

ClientSampleId :

PB126789BL

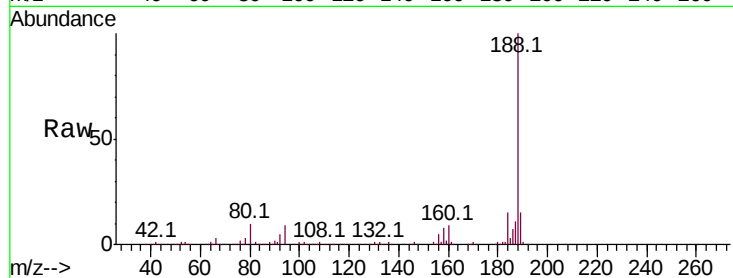
Tot Ion:188 Resp: 475076

Ion Ratio Lower Upper

188 100

94 8.7 7.4 11.2

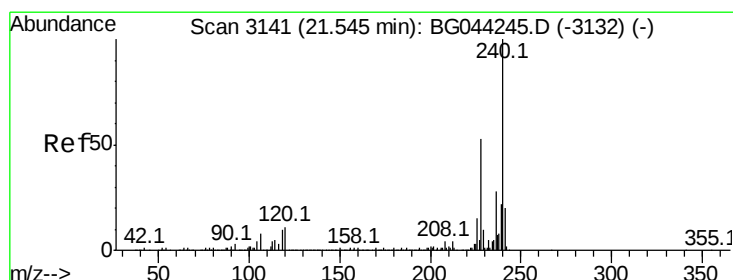
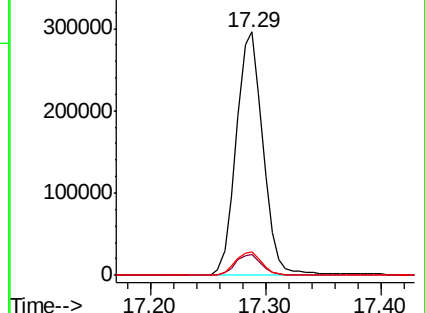
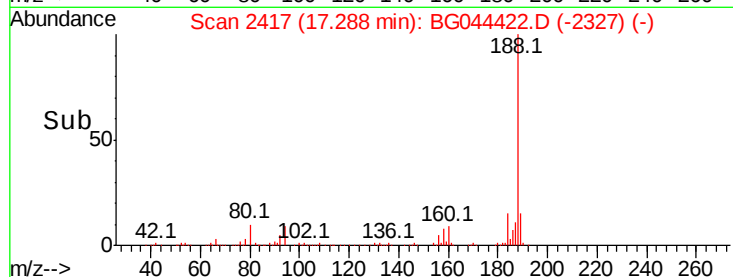
80 9.8 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.53 min Scan# 3139

Delta R.T. -0.01 min

Lab File: BG044422.D

Acq: 13 Feb 2020 18:00

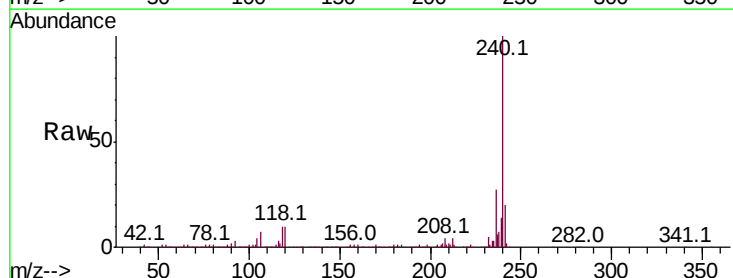
Tgt Ion:240 Resp: 451146

Ion Ratio Lower Upper

240 100

120 10.5 8.4 12.6

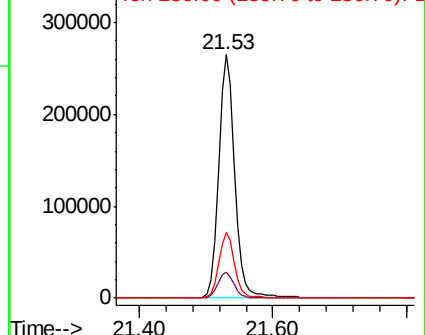
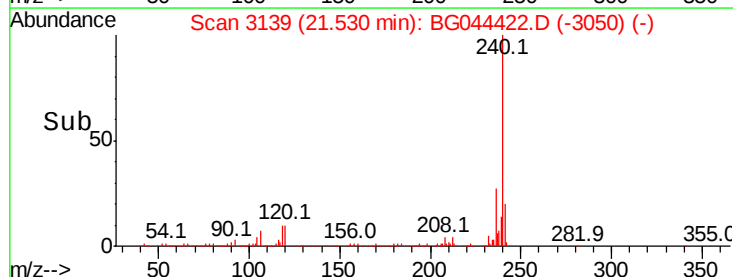
236 26.9 22.1 33.1

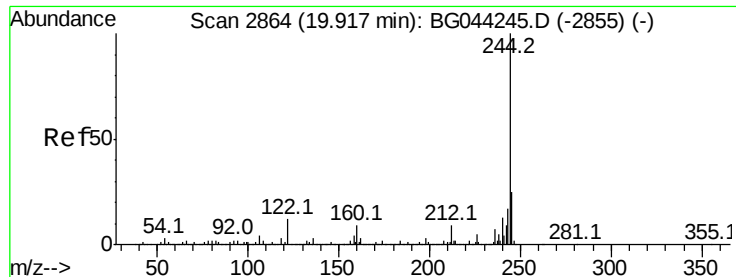


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 86.072 ng

RT: 19.90 min Scan# 2862

Delta R.T. -0.00 min

Lab File: BG044422.D

Acq: 13 Feb 2020 18:00

Instrument :

BNA\_G

ClientSampleId :

PB126789BL

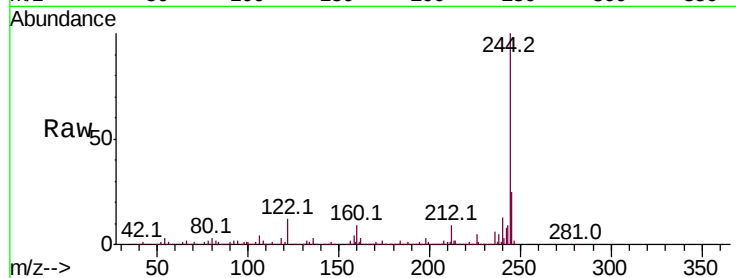
Tot Ion:244 Resp: 1887873

Ion Ratio Lower Upper

244 100

212 9.0 7.4 11.2

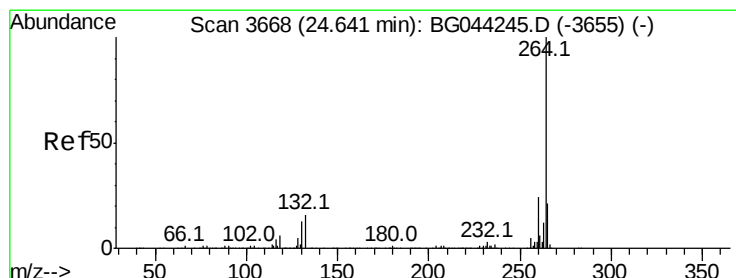
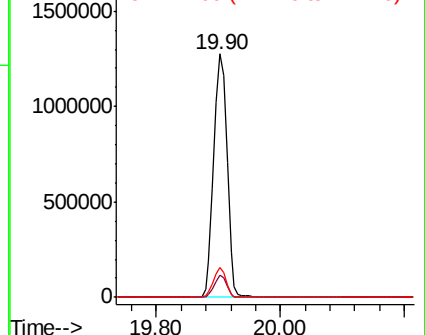
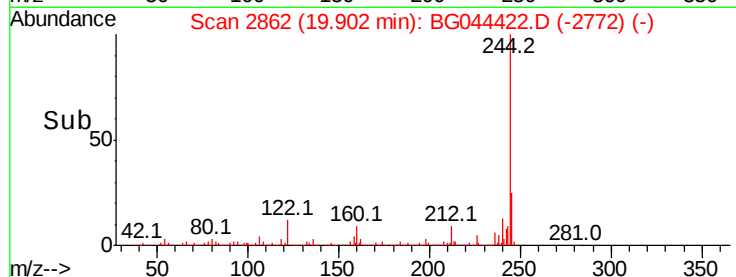
122 12.4 9.8 14.6



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: 24.62 min Scan# 3665

Delta R.T. -0.00 min

Lab File: BG044422.D

Acq: 13 Feb 2020 18:00

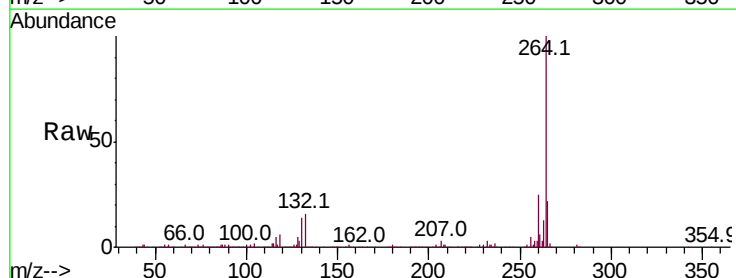
Tgt Ion:264 Resp: 462353

Ion Ratio Lower Upper

264 100

260 24.9 19.4 29.2

265 22.1 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

