

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091820\  
 Data File : BG046676.D  
 Acq On : 18 Sep 2020 19:27  
 Operator : CG/JU  
 Sample : L4038-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PAV-B36-091620-0-10

Quant Time: Sep 19 00:47:08 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 17 14:27:03 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.92  | 152  | 71010    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.71 | 136  | 290233   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.55 | 164  | 195674   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.29 | 188  | 427127   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.54 | 240  | 408785   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.64 | 264  | 398799   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.51  | 112  | 442808   | 110.45 | ng    | 0.00     |
| 7) Phenol-d6                | 7.09  | 99   | 553356   | 97.36  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.07  | 82   | 420329   | 82.77  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.04 | 330  | 254471   | 95.98  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.18 | 172  | 1083212  | 84.51  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.91 | 244  | 1607551  | 83.69  | ng    | 0.00     |

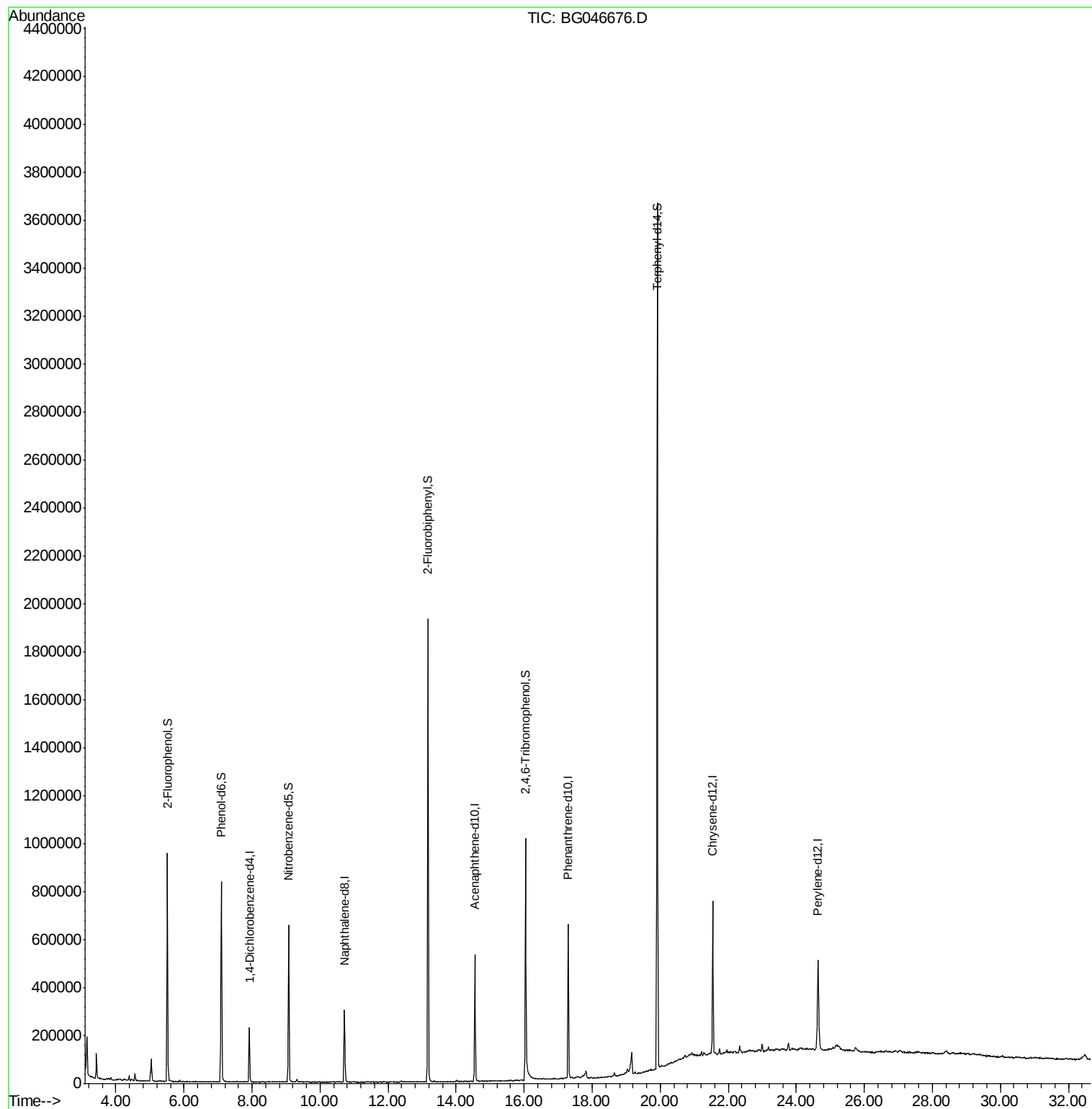
Target Compounds Qvalue

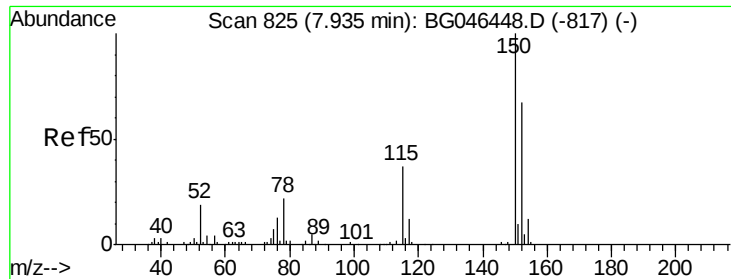
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



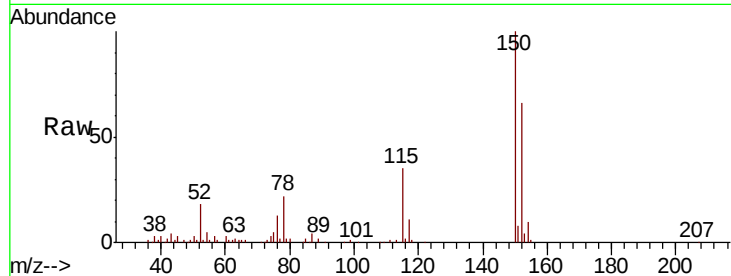


#1

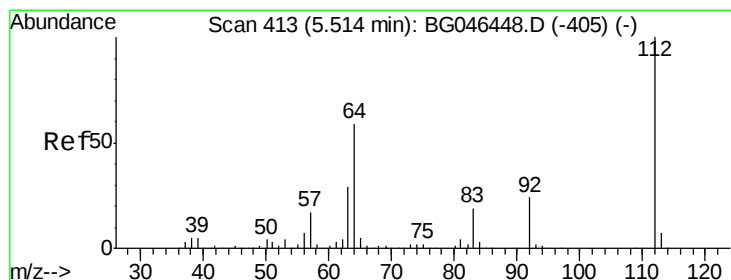
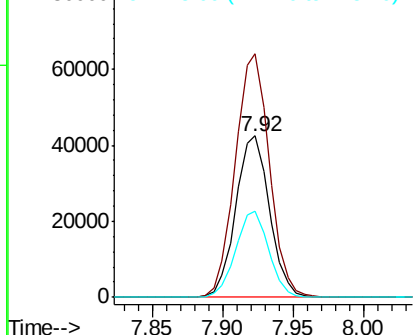
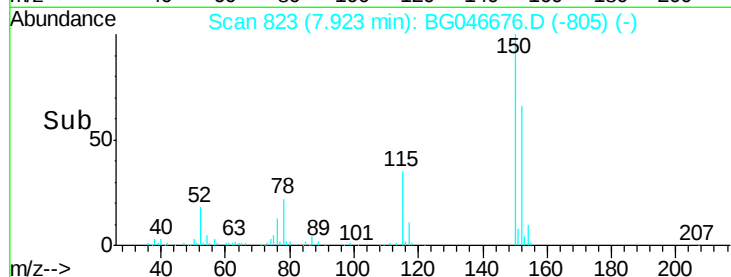
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.92 min Scan# 823  
Delta R.T. 0.00 min  
Lab File: BG046676.D  
Acq: 18 Sep 2020 19:27

Instrument :  
BNA\_G  
ClientSampleId :  
PAV-B36-091620-0-10

Tot Ion:152 Resp: 71010  
Ion Ratio Lower Upper  
152 100  
150 151.1 125.0 187.6  
115 53.4 41.8 62.6



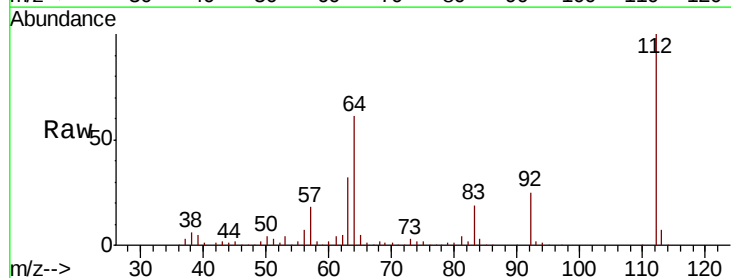
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



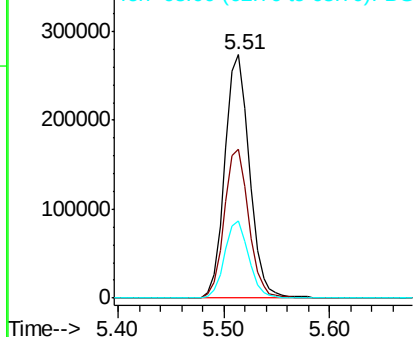
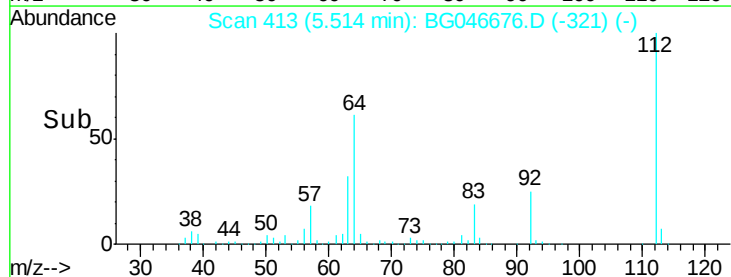
#5

2-Fluorophenol  
Concen: 110.449 ng  
RT: 5.51 min Scan# 413  
Delta R.T. 0.01 min  
Lab File: BG046676.D  
Acq: 18 Sep 2020 19:27

Tgt Ion:112 Resp: 442808  
Ion Ratio Lower Upper  
112 100  
64 61.1 46.7 70.1  
63 32.0 22.8 34.2



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: 97.363 ng

RT: 7.09 min Scan# 682

Delta R.T. -0.00 min

Lab File: BG046676.D

Acq: 18 Sep 2020 19:27

Instrument :

BNA\_G

ClientSampleId :

PAV-B36-091620-0-10

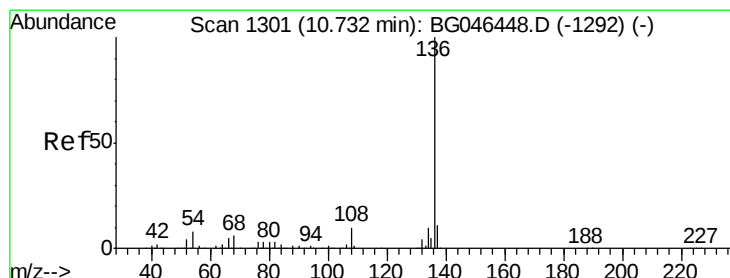
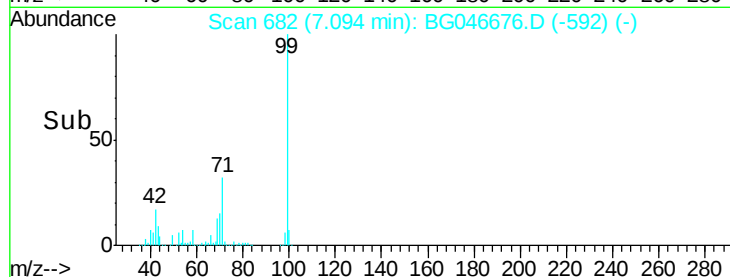
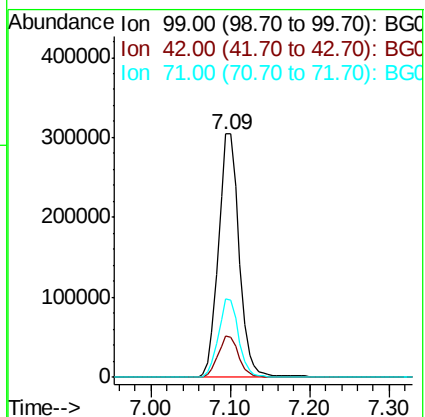
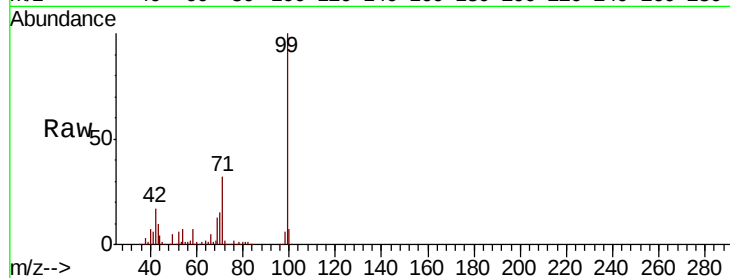
Tot Ion: 99 Resp: 553356

Ion Ratio Lower Upper

99 100

42 17.0 12.8 19.2

71 32.3 24.6 36.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.71 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BG046676.D

Acq: 18 Sep 2020 19:27

Tgt Ion: 136 Resp: 290233

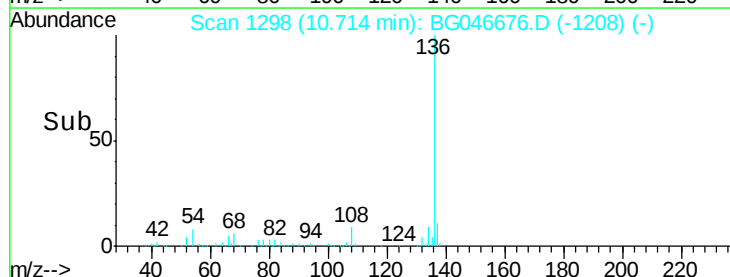
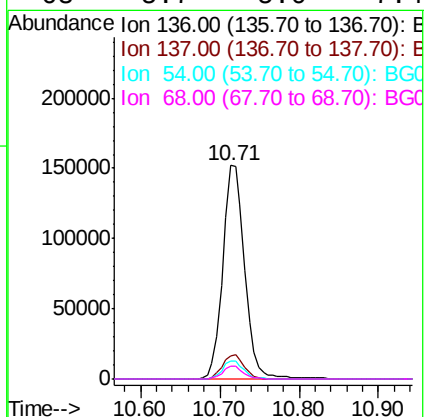
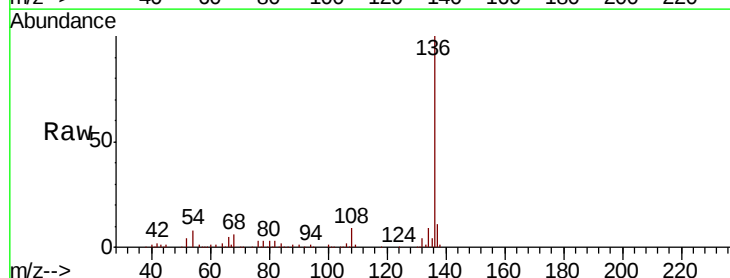
Ion Ratio Lower Upper

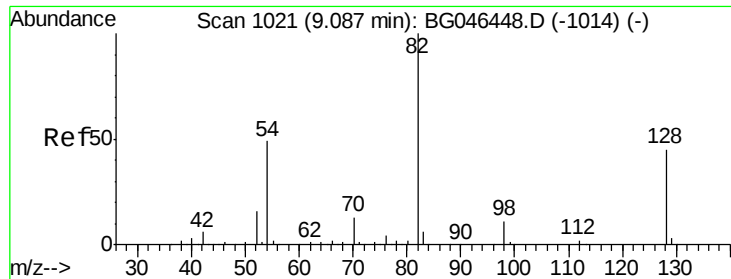
136 100

137 10.7 9.1 13.7

54 8.3 6.2 9.4

68 5.7 5.0 7.4

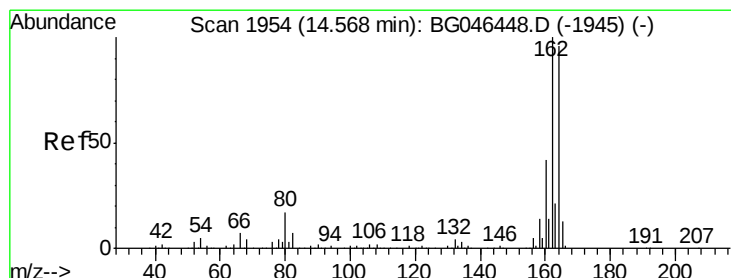
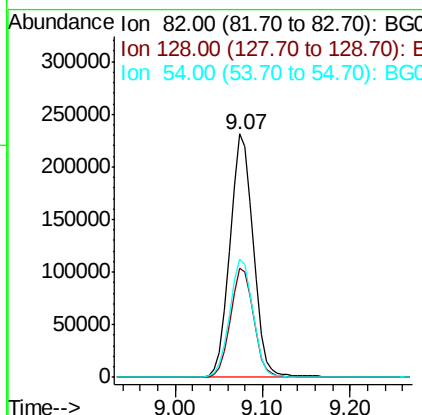
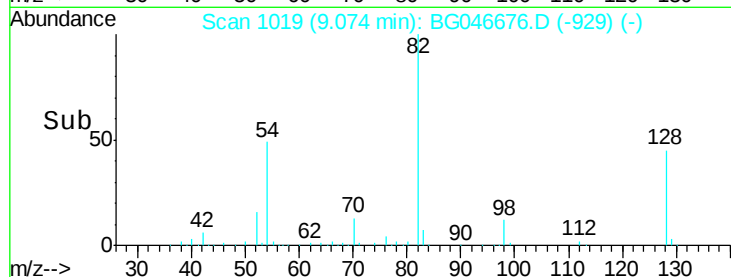
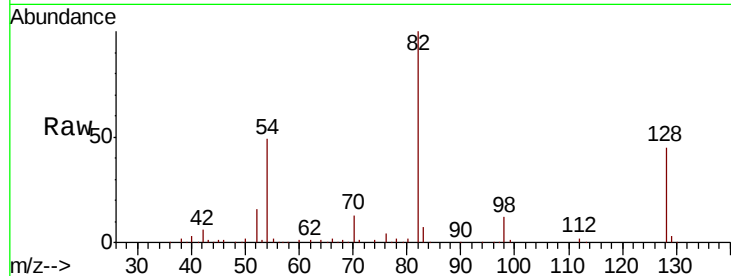




#23  
 Nitrobenzene-d5  
 Concen: 82.775 ng  
 RT: 9.07 min Scan# 1019  
 Delta R.T. -0.00 min  
 Lab File: BG046676.D  
 Acq: 18 Sep 2020 19:27

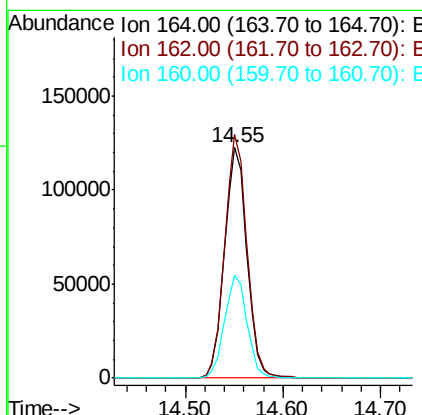
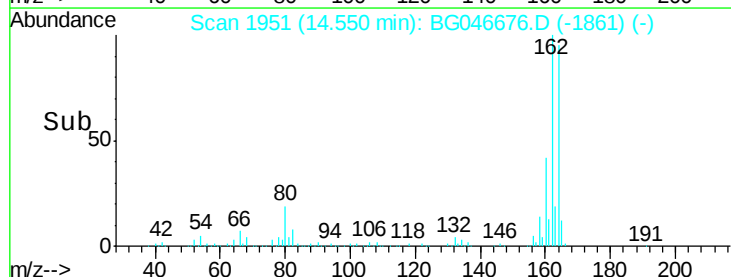
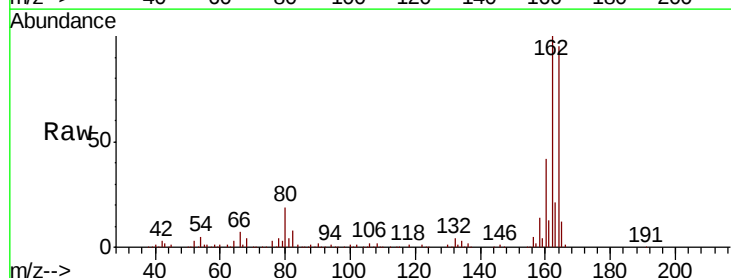
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PAV-B36-091620-0-10

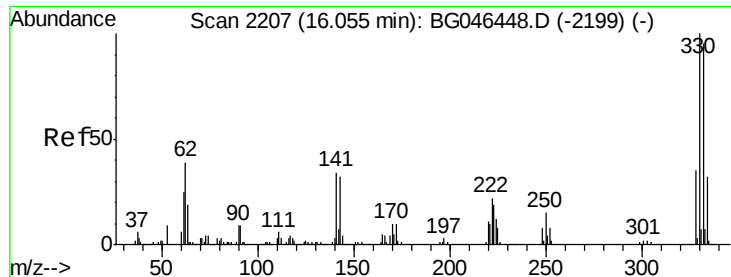
| Tot Ion   | 82   | Resp  | 420329 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 44.7 | 37.0  | 55.6   |
| 54        | 48.6 | 39.0  | 58.4   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.55 min Scan# 1951  
 Delta R.T. -0.00 min  
 Lab File: BG046676.D  
 Acq: 18 Sep 2020 19:27

| Tgt Ion                                              | 164   | Resp  | 195674 |
|------------------------------------------------------|-------|-------|--------|
| Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td> | 100   | Lower | Upper  |
| 162                                                  | 105.7 | 82.3  | 123.5  |
| 160                                                  | 44.8  | 35.3  | 52.9   |





#42

2,4,6-Tribromophenol

Concen: 95.982 ng

RT: 16.04 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BG046676.D

Acq: 18 Sep 2020 19:27

Instrument :

BNA\_G

ClientSampleId :

PAV-B36-091620-0-10

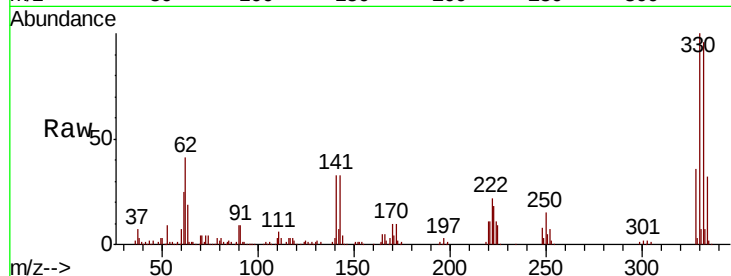
Tot Ion:330 Resp: 254471

Ion Ratio Lower Upper

330 100

332 95.9 76.5 114.7

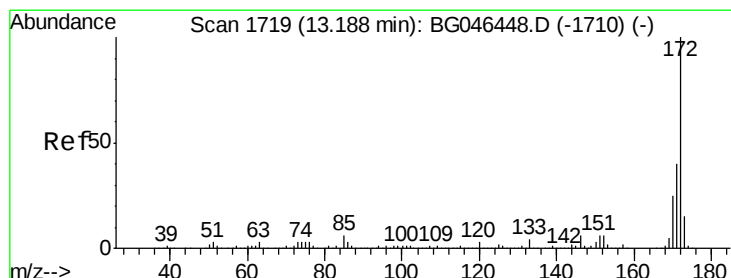
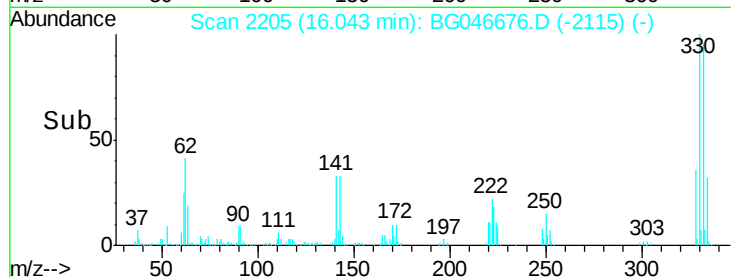
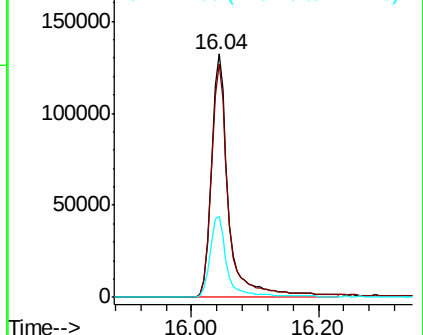
141 32.9 26.0 39.0



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: 84.507 ng

RT: 13.18 min Scan# 1717

Delta R.T. 0.00 min

Lab File: BG046676.D

Acq: 18 Sep 2020 19:27

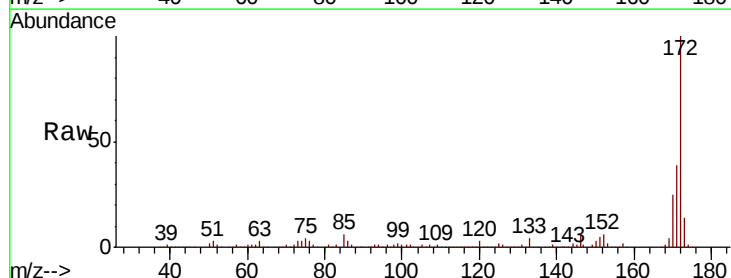
Tgt Ion:172 Resp: 1083212

Ion Ratio Lower Upper

172 100

171 38.9 31.3 46.9

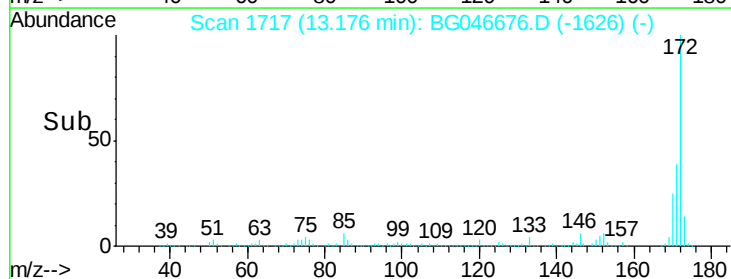
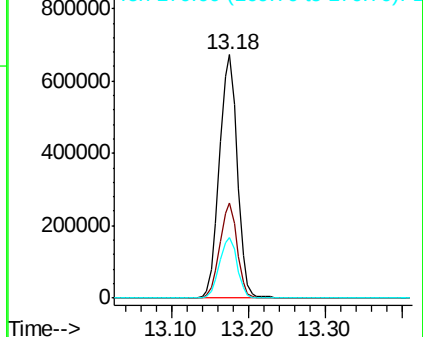
170 24.9 20.8 31.2

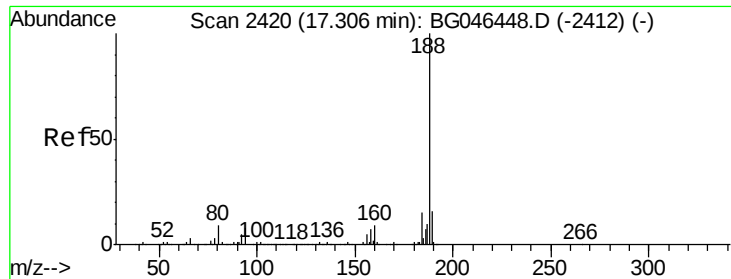


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

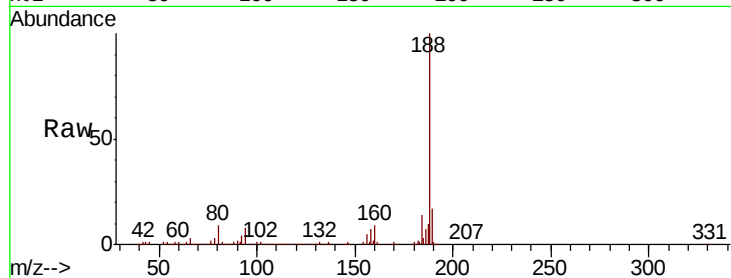




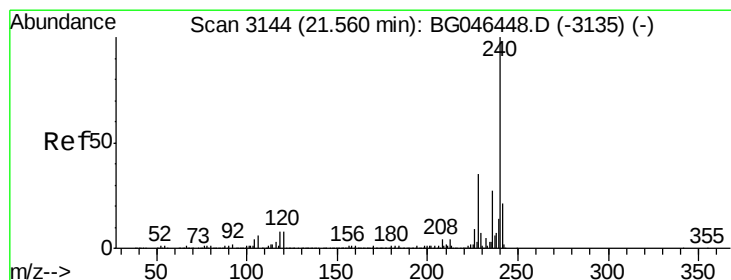
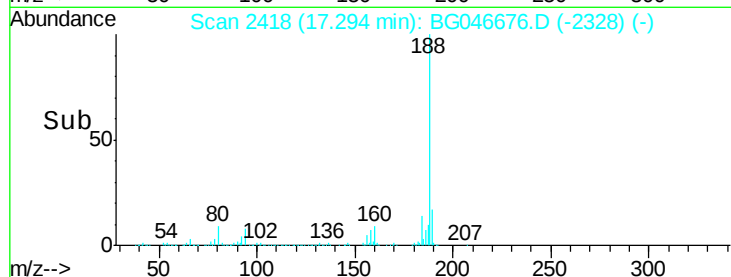
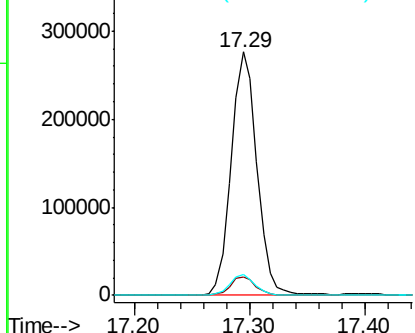
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.29 min Scan# 2418  
Delta R.T. -0.00 min  
Lab File: BG046676.D  
Acq: 18 Sep 2020 19:27

Instrument :  
BNA\_G  
ClientSampleId :  
PAV-B36-091620-0-10

Tot Ion:188 Resp: 427127  
Ion Ratio Lower Upper  
188 100  
94 7.6 6.3 9.5  
80 8.8 7.0 10.6

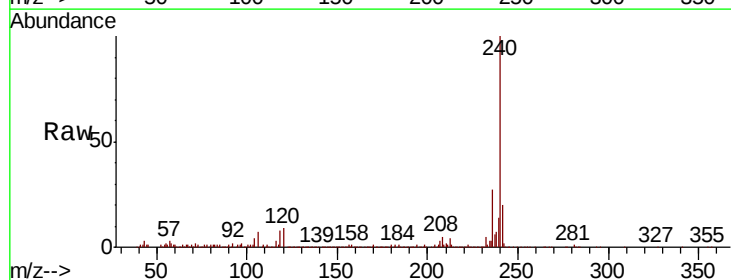


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

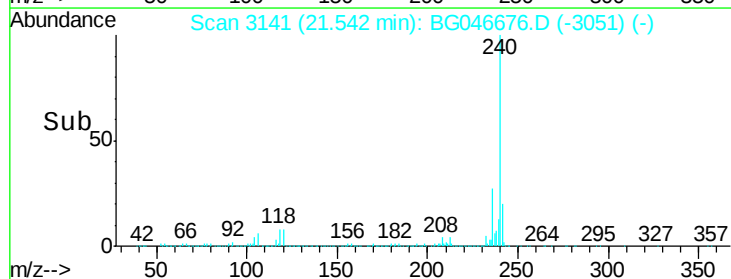
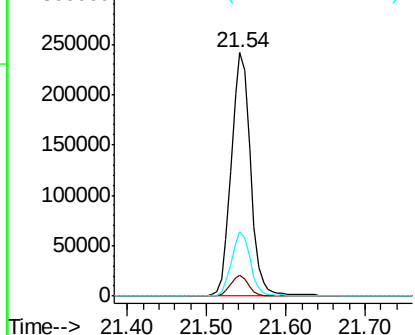


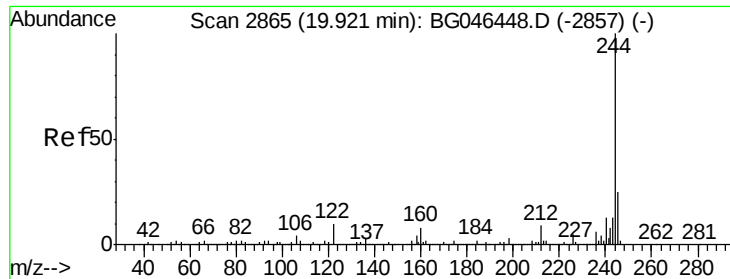
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.54 min Scan# 3141  
Delta R.T. -0.00 min  
Lab File: BG046676.D  
Acq: 18 Sep 2020 19:27

Tgt Ion:240 Resp: 408785  
Ion Ratio Lower Upper  
240 100  
120 8.5 6.2 9.4  
236 26.7 20.5 30.7



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: 83.691 ng

RT: 19.91 min Scan# 2864

Delta R.T. 0.00 min

Lab File: BG046676.D

Acq: 18 Sep 2020 19:27

Instrument :

BNA\_G

ClientSampleId :

PAV-B36-091620-0-10

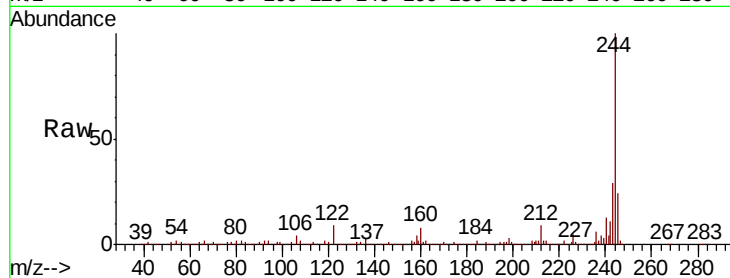
Tot Ion:244 Resp: 1607551

Ion Ratio Lower Upper

244 100

212 8.7 6.7 10.1

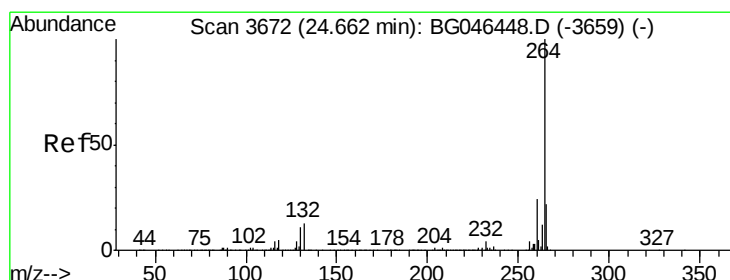
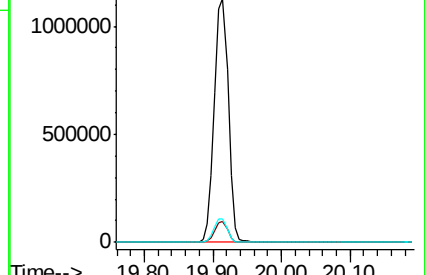
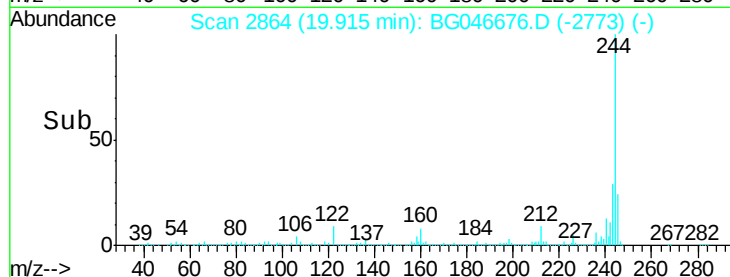
122 9.5 7.8 11.6



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.64 min Scan# 3668

Delta R.T. -0.00 min

Lab File: BG046676.D

Acq: 18 Sep 2020 19:27

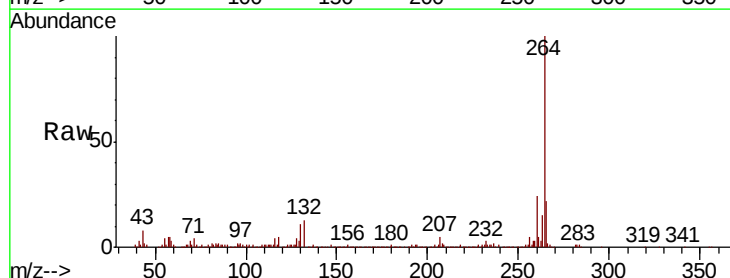
Tgt Ion:264 Resp: 398799

Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

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

