

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091719\  
 Data File : BG042873.D  
 Acq On : 17 Sep 2019 18:45  
 Operator : HP/JU  
 Sample : PB123133BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB123133BL

Quant Time: Sep 18 02:11:11 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 12 14:06:09 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.11  | 152  | 51420    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.92 | 136  | 206007   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.73 | 164  | 156325   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.47 | 188  | 387322   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.75 | 240  | 316263   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 25.01 | 264  | 329925   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.71  | 112  | 373768   | 126.37 | ng    | 0.03     |
| 7) Phenol-d6                | 7.31  | 99   | 575088   | 135.47 | ng    | 0.04     |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 370309   | 93.59  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.22 | 330  | 333988   | 160.59 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.36 | 172  | 974831   | 98.71  | ng    | -0.01    |
| 79) Terphenyl-d14           | 20.08 | 244  | 1675219  | 117.39 | ng    | -0.01    |

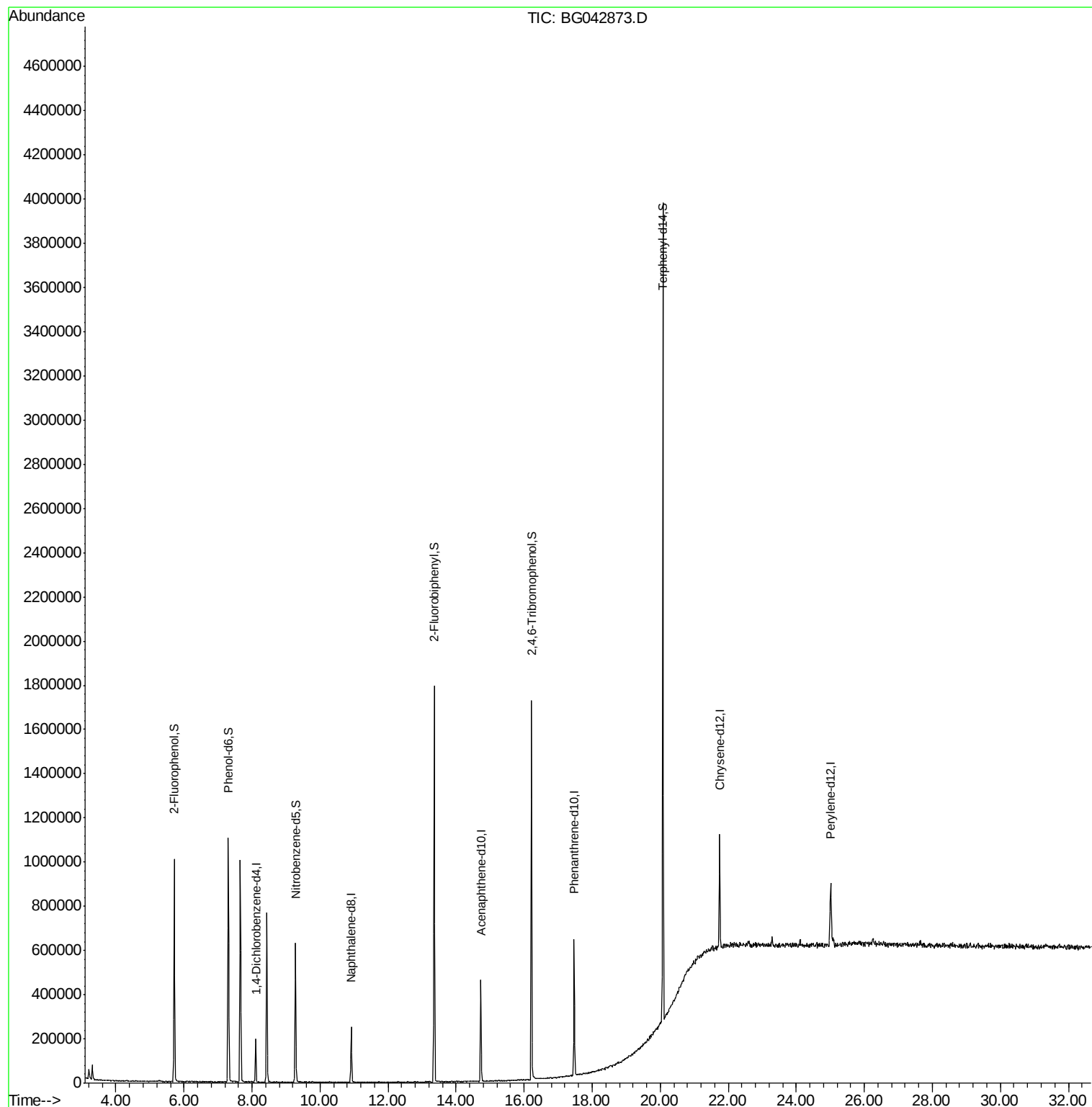
Target Compounds Qvalue

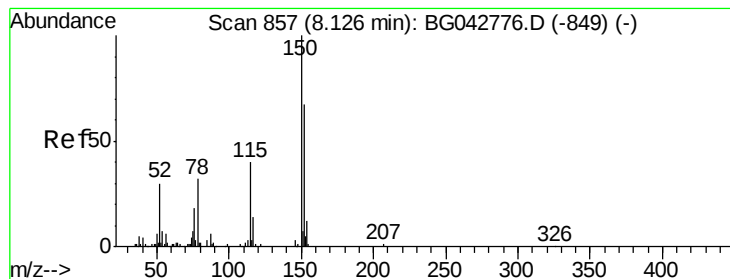
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PB123133BL

Quant Time: Sep 18 02:11:11 2019  
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QLast Update : Thu Sep 12 14:06:09 2019  
Response via : Initial Calibration



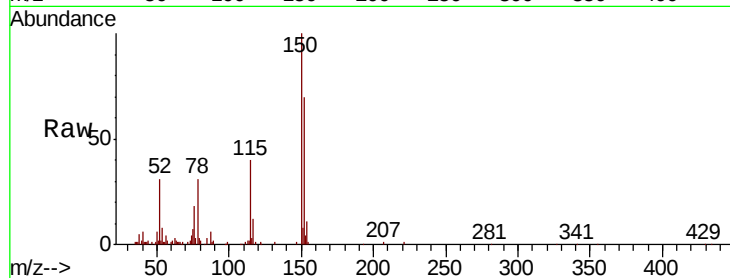


#1

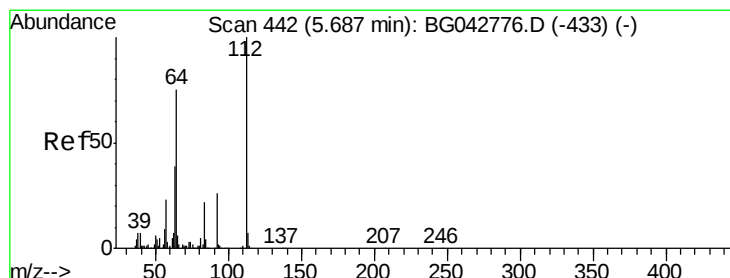
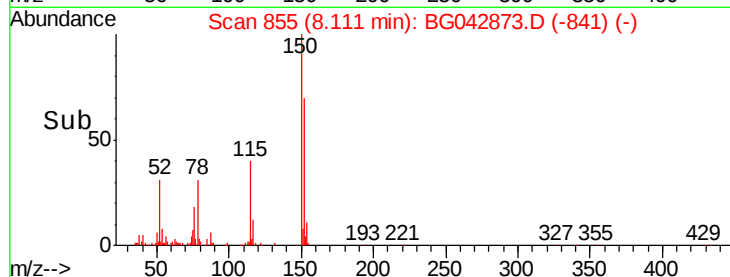
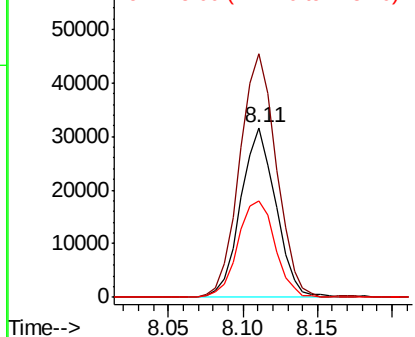
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.11 min Scan# 855  
Delta R.T. -0.01 min  
Lab File: BG042873.D  
Acq: 17 Sep 2019 18:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB123133BL

Tot Ion:152 Resp: 51420  
Ion Ratio Lower Upper  
152 100  
150 143.4 118.9 178.3  
115 57.0 47.4 71.2



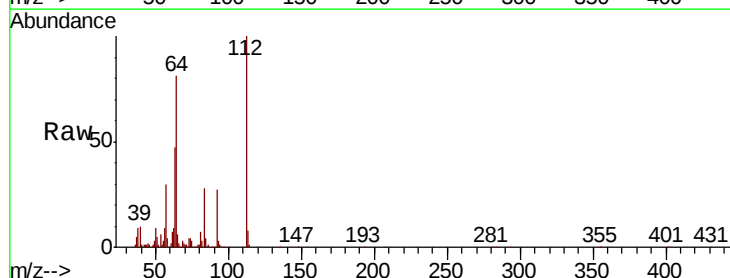
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



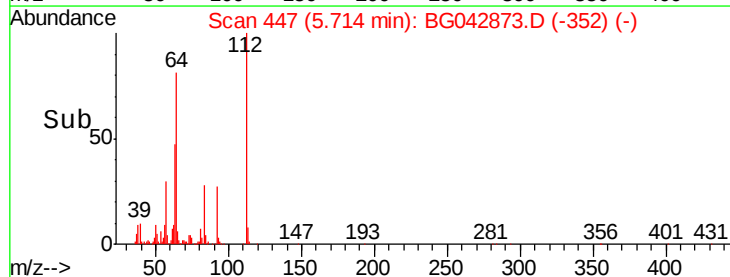
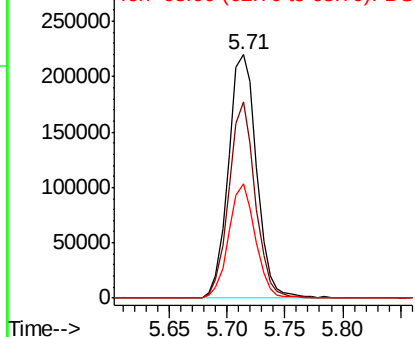
#5

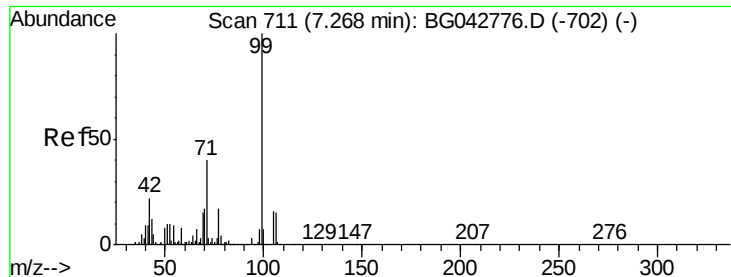
2-Fluorophenol  
Concen: 126.374 ng  
RT: 5.71 min Scan# 447  
Delta R.T. 0.03 min  
Lab File: BG042873.D  
Acq: 17 Sep 2019 18:45

Tgt Ion:112 Resp: 373768  
Ion Ratio Lower Upper  
112 100  
64 80.5 60.2 90.2  
63 46.7 31.2 46.8



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: 135.467 ng

RT: 7.31 min Scan# 718

Delta R.T. 0.04 min

Lab File: BG042873.D

Acq: 17 Sep 2019 18:45

Instrument :

BNA\_G

ClientSampleId :

PB123133BL

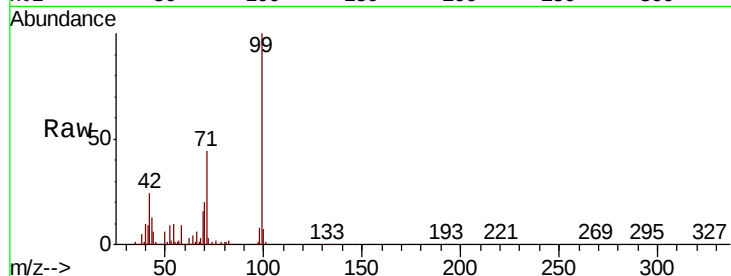
Tot Ion: 99 Resp: 575088

Ion Ratio Lower Upper

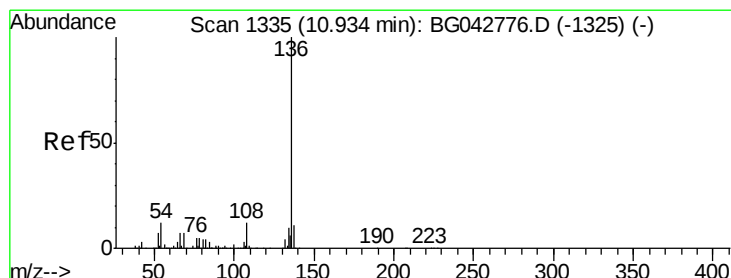
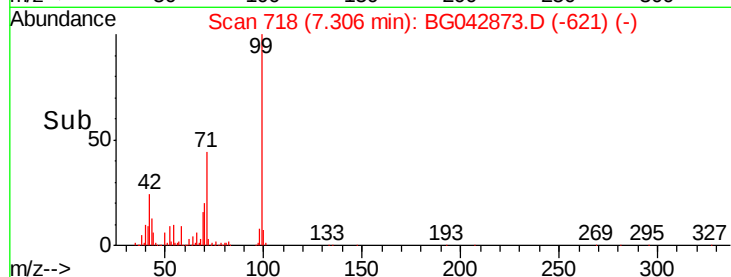
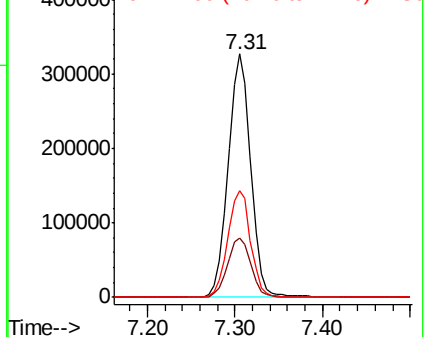
99 100

42 24.4 17.5 26.3

71 43.7 32.0 48.0



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: 10.92 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BG042873.D

Acq: 17 Sep 2019 18:45

Tgt Ion: 136 Resp: 206007

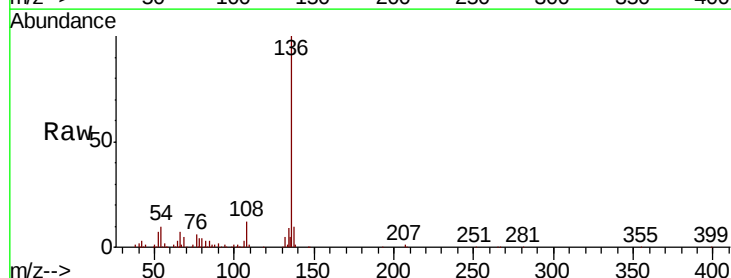
Ion Ratio Lower Upper

136 100

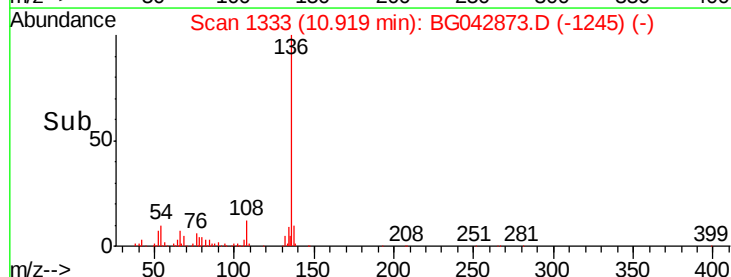
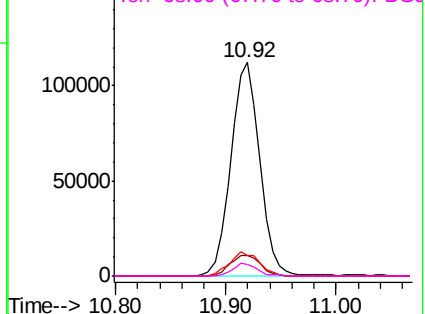
137 9.8 9.0 13.6

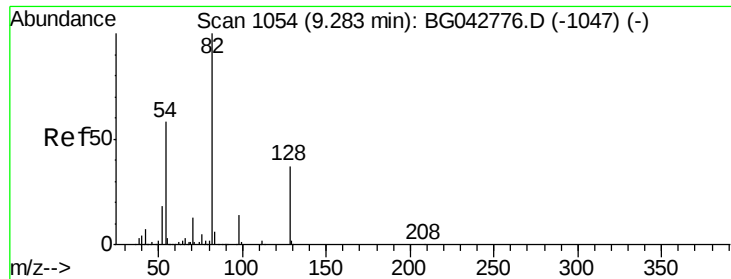
54 9.9 9.4 14.0

68 5.3 5.4 8.2#



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

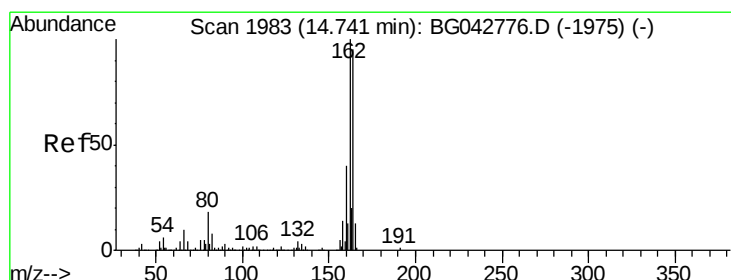
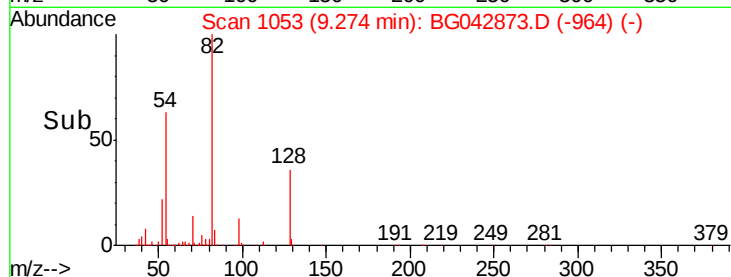
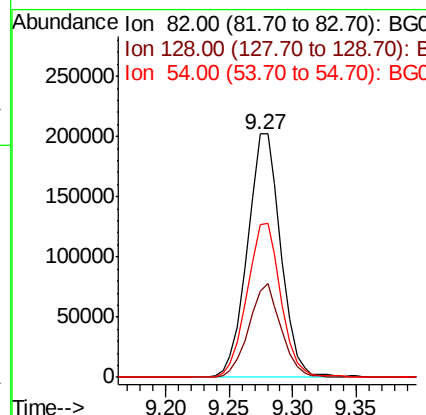
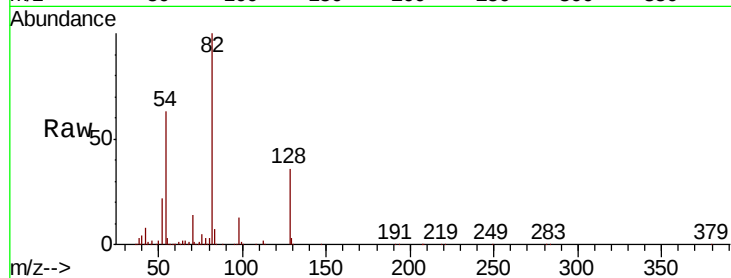




#23  
 Nitrobenzene-d5  
 Concen: 93.585 ng  
 RT: 9.27 min Scan# 1053  
 Delta R.T. -0.01 min  
 Lab File: BG042873.D  
 Acq: 17 Sep 2019 18:45

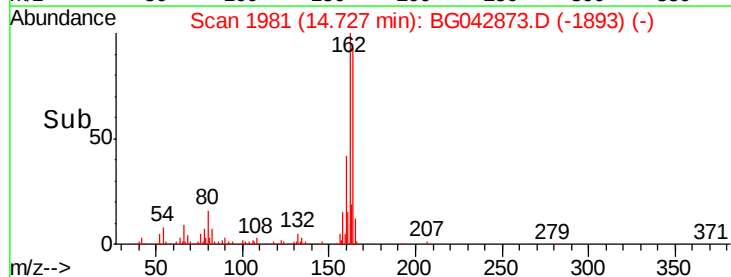
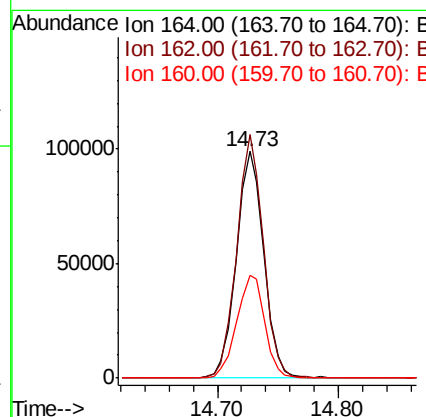
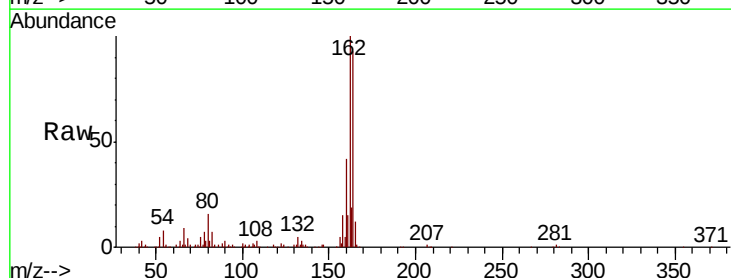
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB123133BL

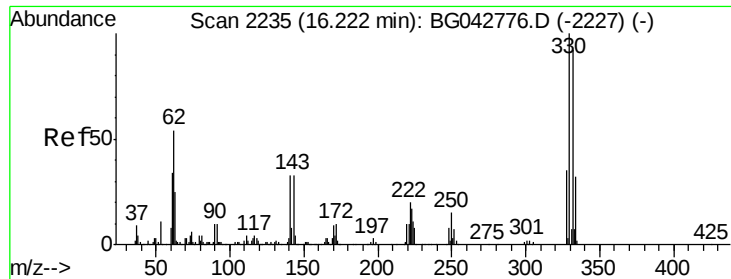
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 35.6  | 29.8  | 44.8  |
| 54      | 62.8  | 46.1  | 69.1  |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.73 min Scan# 1981  
 Delta R.T. -0.01 min  
 Lab File: BG042873.D  
 Acq: 17 Sep 2019 18:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 107.5 | 84.6  | 126.8 |
| 160     | 45.5  | 34.2  | 51.2  |

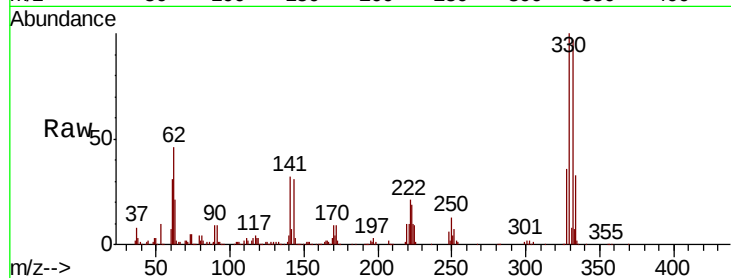




#42  
 2,4,6-Tribromophenol  
 Concen: 160.588 ng  
 RT: 16.22 min Scan# 2235  
 Delta R.T. -0.00 min  
 Lab File: BG042873.D  
 Acq: 17 Sep 2019 18:45

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB123133BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.3  | 76.7  | 115.1 |
| 141     | 33.1  | 27.0  | 40.6  |

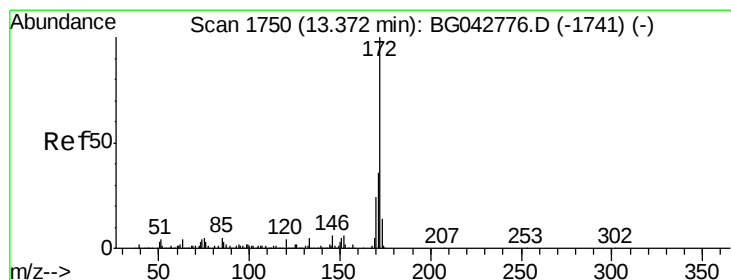
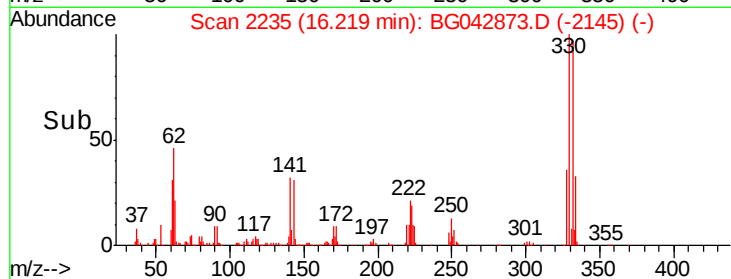
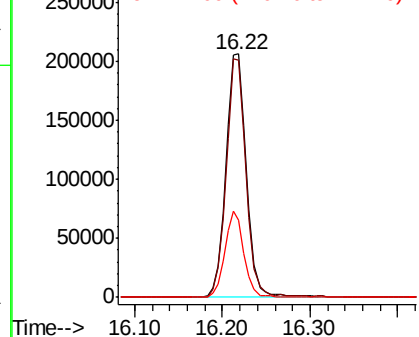


Abundance

Ion 329.80 (329.50 to 330.50): E

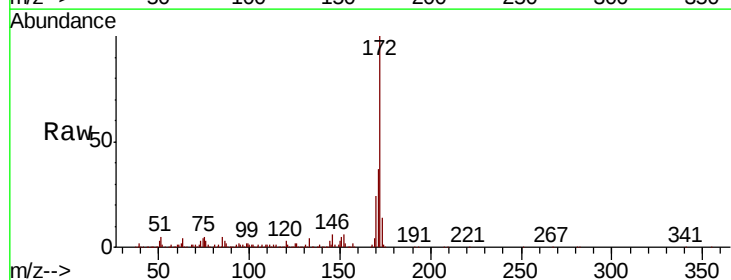
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 98.711 ng  
 RT: 13.36 min Scan# 1748  
 Delta R.T. -0.01 min  
 Lab File: BG042873.D  
 Acq: 17 Sep 2019 18:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.9  | 28.9  | 43.3  |
| 170     | 24.0  | 19.1  | 28.7  |

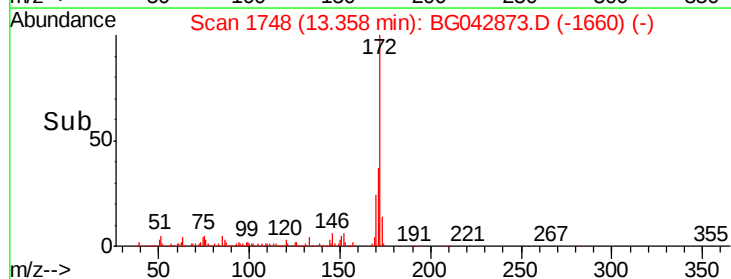
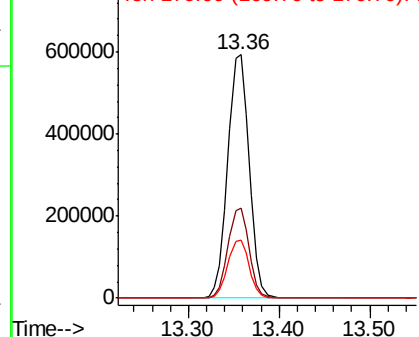


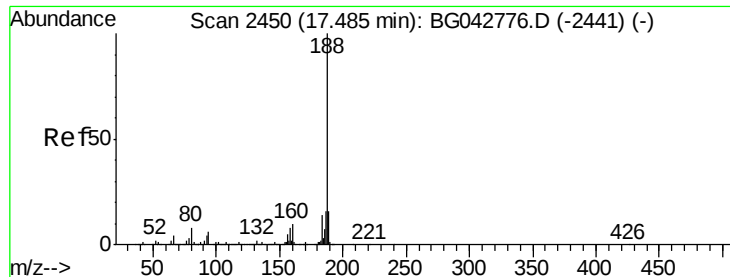
Abundance

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: 17.47 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BG042873.D

Acq: 17 Sep 2019 18:45

Instrument :

BNA\_G

ClientSampleId :

PB123133BL

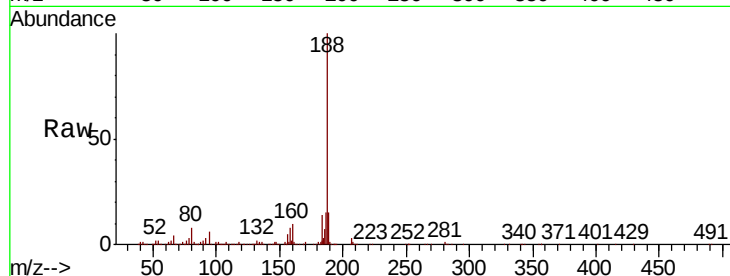
Tot Ion:188 Resp: 387322

Ion Ratio Lower Upper

188 100

94 5.9 4.8 7.2

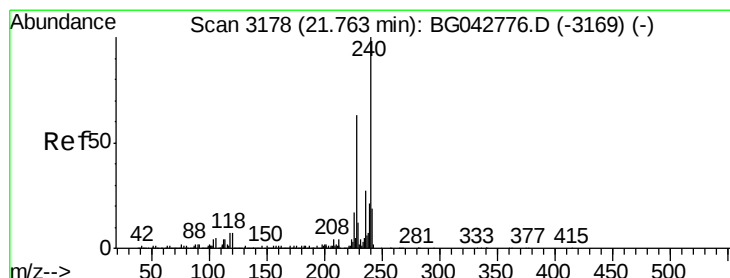
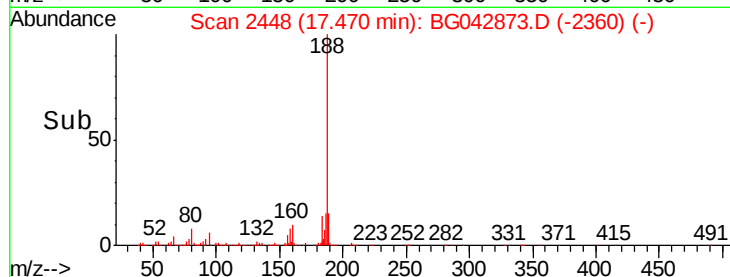
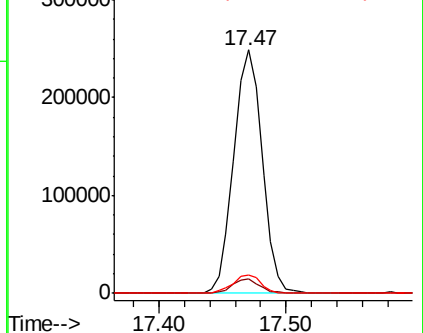
80 7.7 6.6 9.8



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: 21.75 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BG042873.D

Acq: 17 Sep 2019 18:45

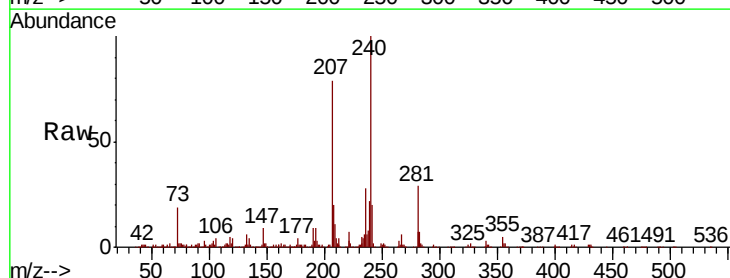
Tgt Ion:240 Resp: 316263

Ion Ratio Lower Upper

240 100

120 4.4 5.4 8.2#

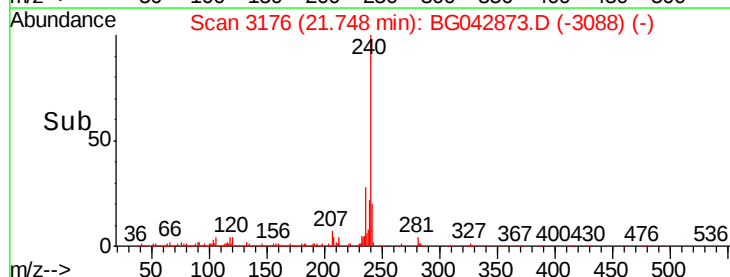
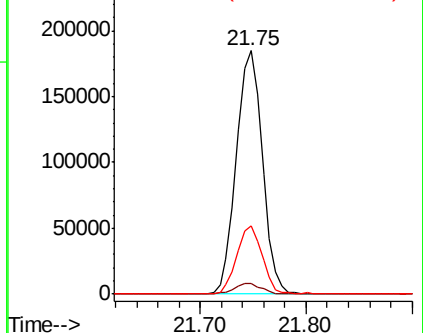
236 27.9 21.7 32.5

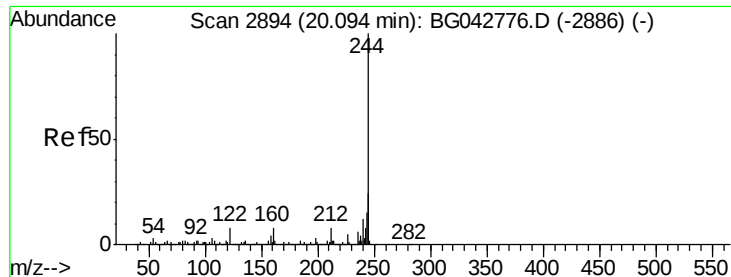


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 117.395 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.01 min

Lab File: BG042873.D

Acq: 17 Sep 2019 18:45

Instrument :

BNA\_G

ClientSampleId :

PB123133BL

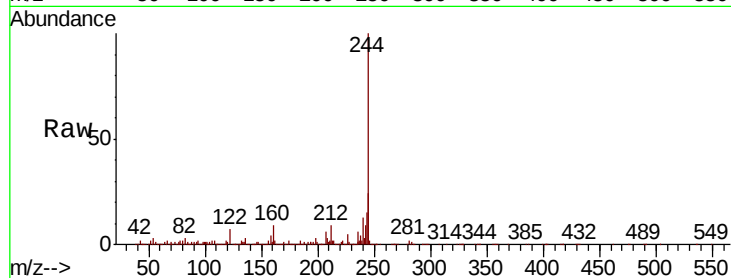
Tot Ion:244 Resp: 1675219

Ion Ratio Lower Upper

244 100

212 8.9 6.6 10.0

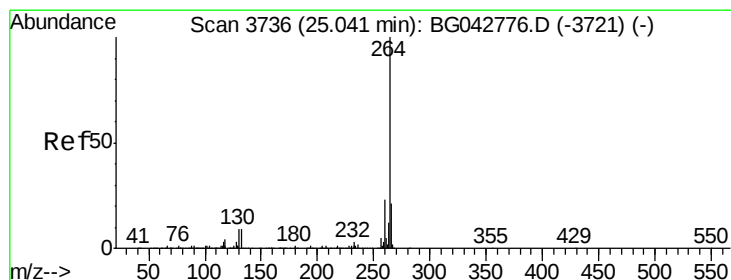
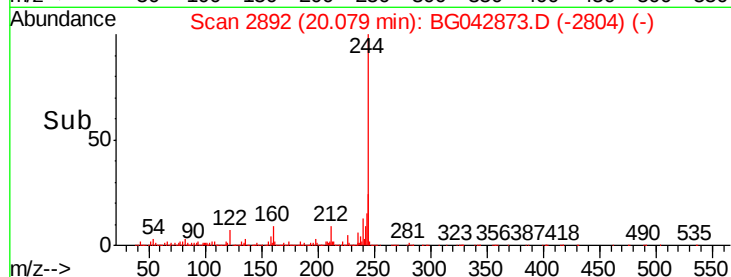
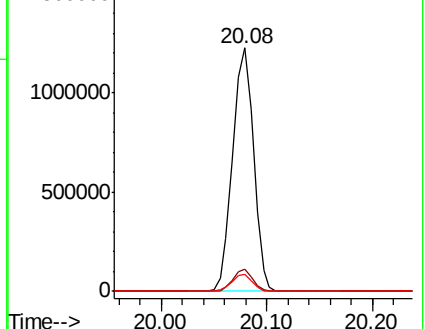
122 6.9 6.2 9.4



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: 25.01 min Scan# 3732

Delta R.T. -0.03 min

Lab File: BG042873.D

Acq: 17 Sep 2019 18:45

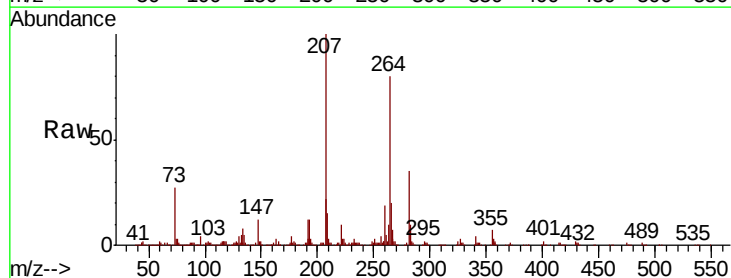
Tgt Ion:264 Resp: 329925

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.2

265 25.4 16.9 25.3#



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

