

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\  
 Data File : BG044803.D  
 Acq On : 14 Mar 2020 20:21  
 Operator : CG/JU  
 Sample : PB127536TB  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB127536TB

Quant Time: Mar 16 04:14:21 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 10 16:27:39 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.05  | 152  | 102868   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.86 | 136  | 400256   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.68 | 164  | 268676   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.43 | 188  | 568214   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.70 | 240  | 508858   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12            | 24.91 | 264  | 564177   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 634569   | 96.03 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 888749   | 92.57 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 603015   | 66.11 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.17 | 330  | 345480   | 98.21 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.31 | 172  | 1266476  | 67.50 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.04 | 244  | 1882416  | 69.20 | ng    | -0.01    |

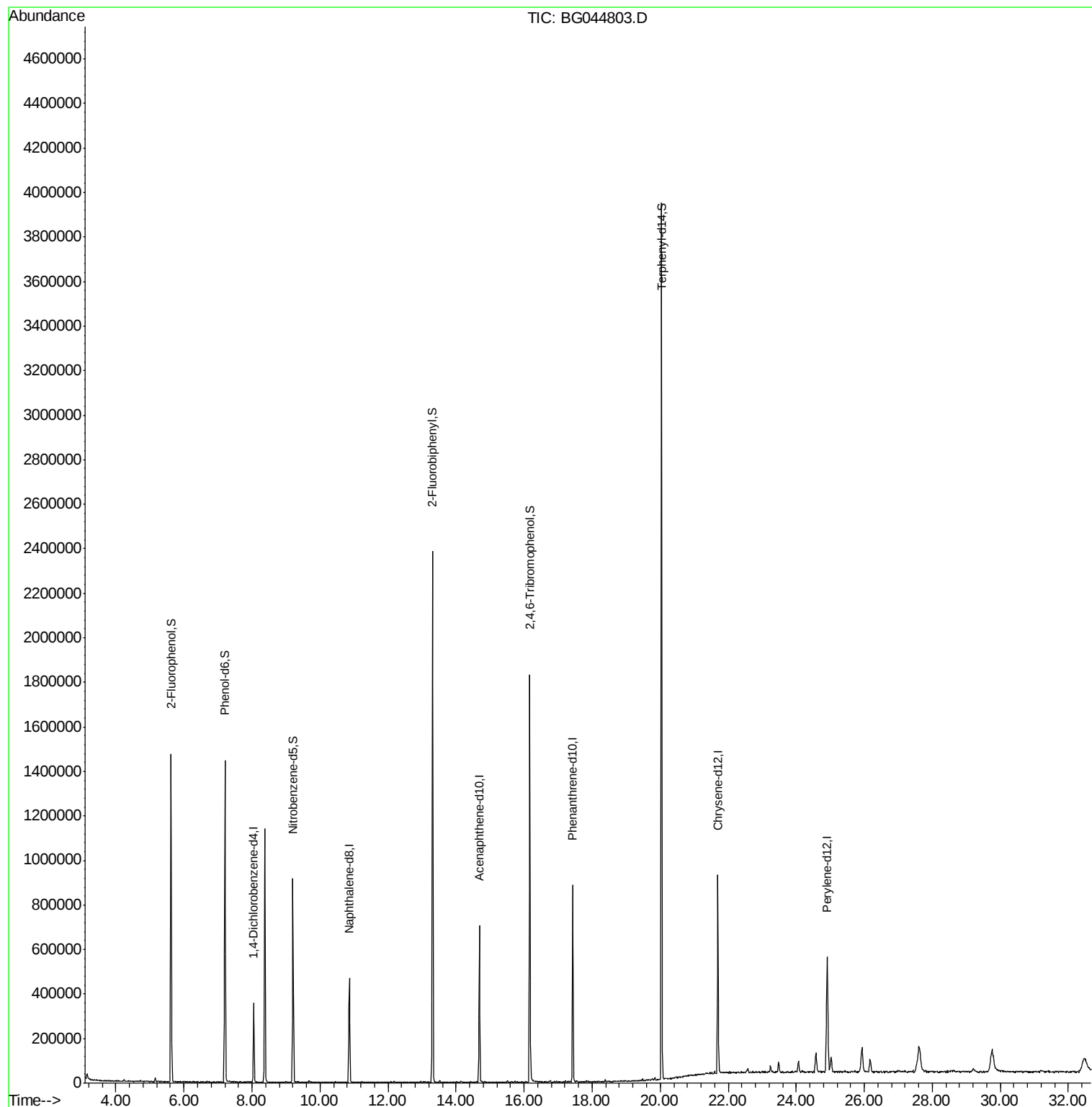
Target Compounds Qvalue

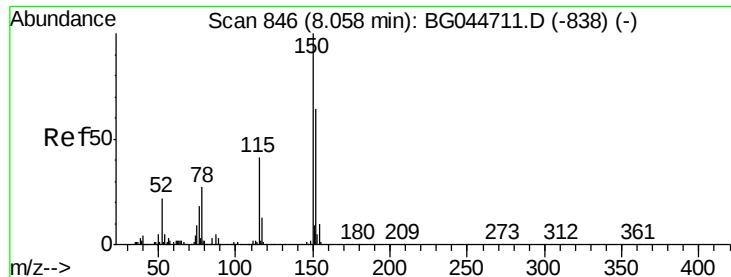
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 37 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PB127536TB

Quant Time: Mar 16 04:14:21 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Mar 10 16:27:39 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 845

Delta R.T. -0.01 min

Lab File: BG044803.D

Acq: 14 Mar 2020 20:21

Instrument :

BNA\_G

ClientSampled :

PB127536TB

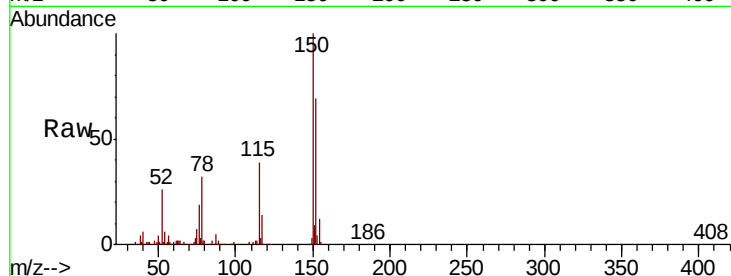
Tot Ion:152 Resp: 102868

Ion Ratio Lower Upper

152 100

150 145.1 125.3 187.9

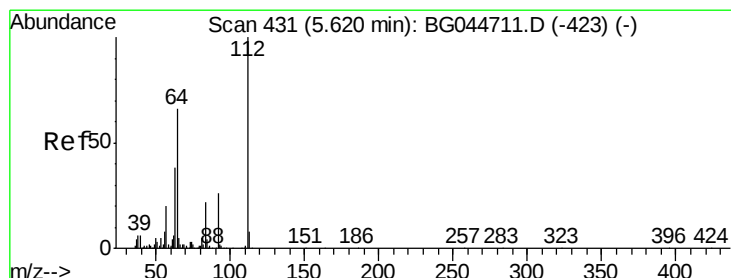
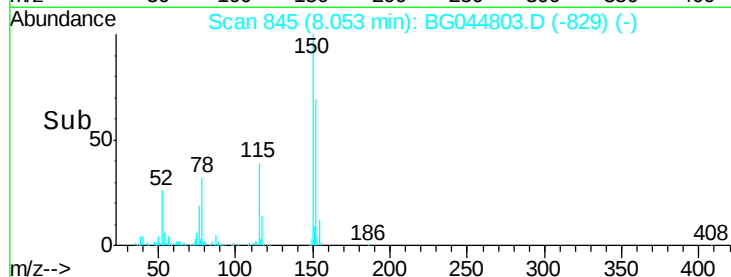
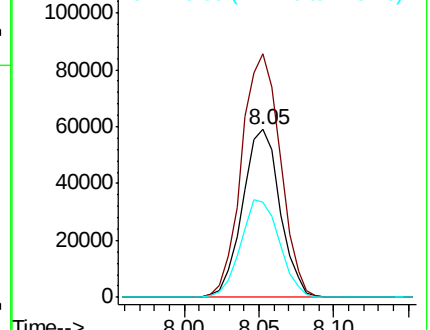
115 57.0 51.7 77.5



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: 96.029 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.00 min

Lab File: BG044803.D

Acq: 14 Mar 2020 20:21

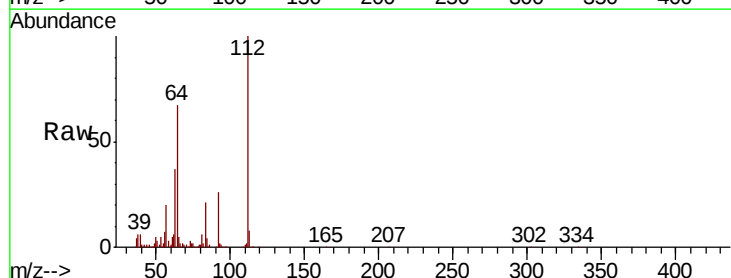
Tgt Ion:112 Resp: 634569

Ion Ratio Lower Upper

112 100

64 67.1 52.6 78.8

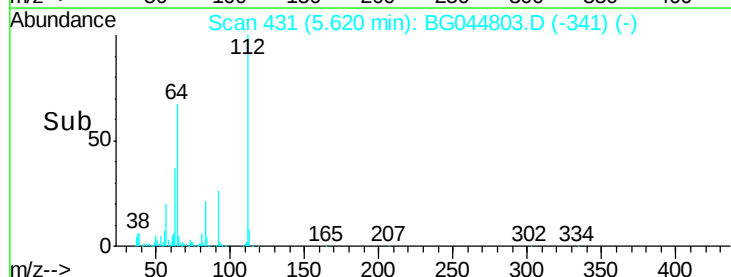
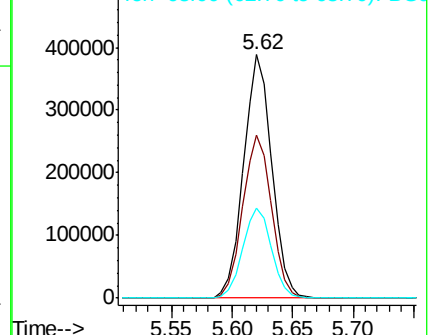
63 36.9 30.2 45.4

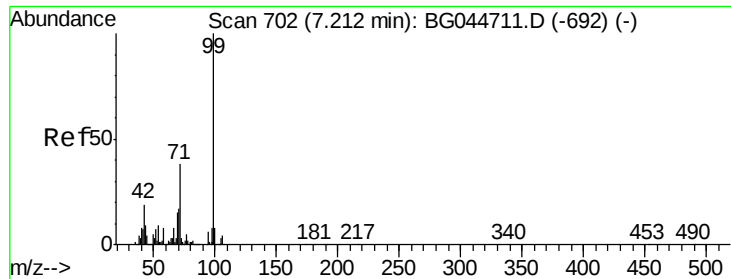


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 92.567 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044803.D

Acq: 14 Mar 2020 20:21

Instrument :

BNA\_G

ClientSampleId :

PB127536TB

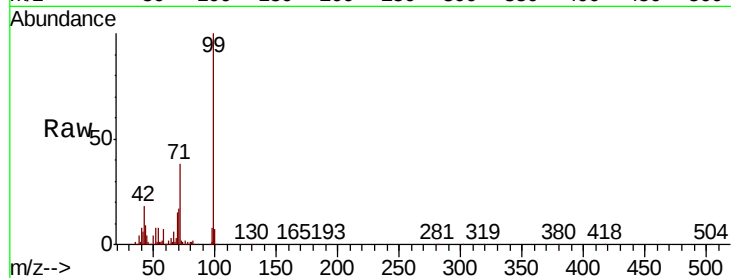
Tot Ion: 99 Resp: 888749

Ion Ratio Lower Upper

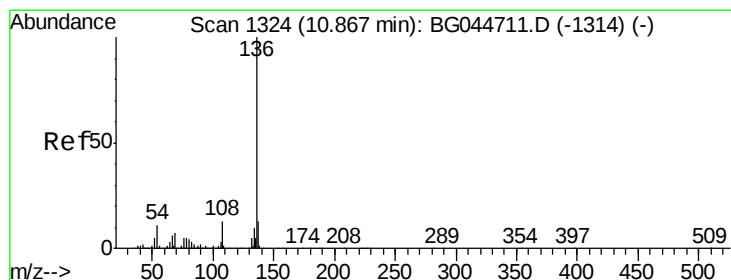
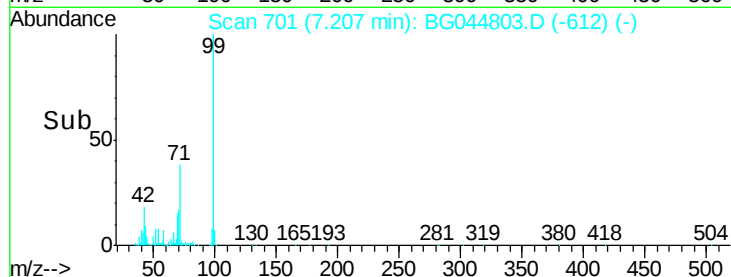
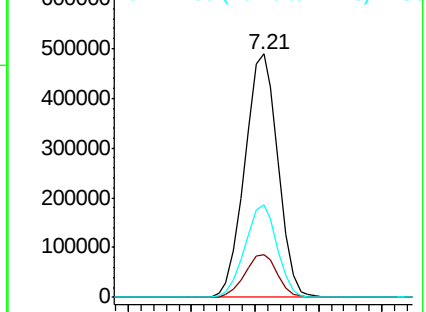
99 100

42 17.7 15.4 23.0

71 38.1 30.2 45.4



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: 10.86 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BG044803.D

Acq: 14 Mar 2020 20:21

Tgt Ion: 136 Resp: 400256

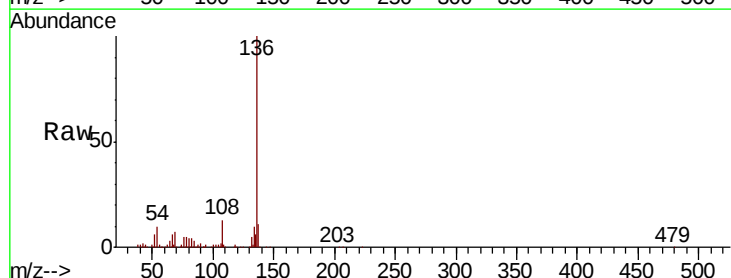
Ion Ratio Lower Upper

136 100

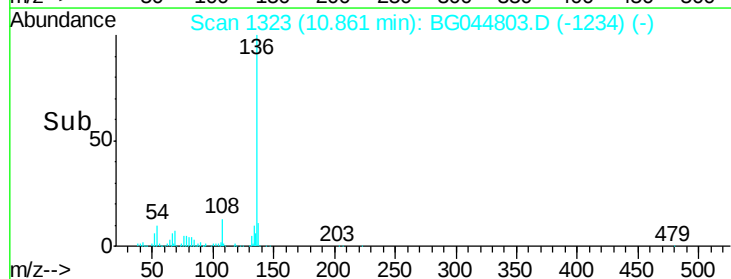
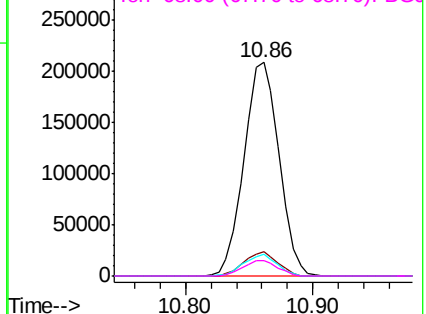
137 11.3 10.7 16.1

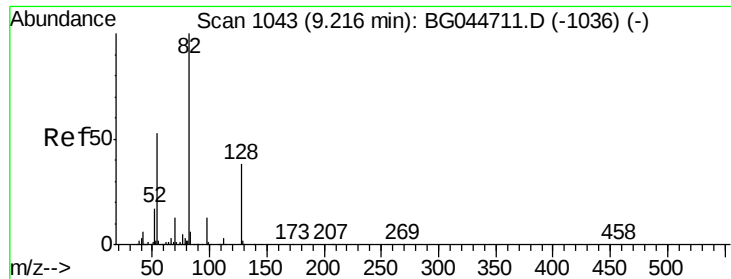
54 10.3 9.0 13.4

68 7.0 5.9 8.9



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

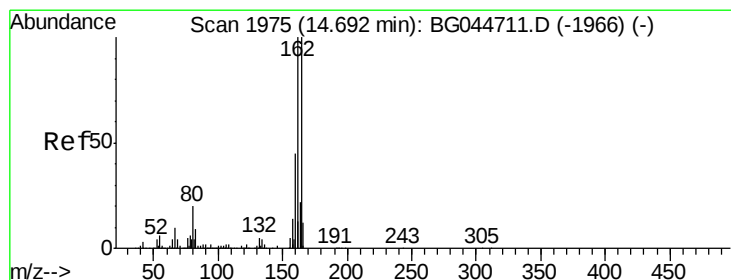
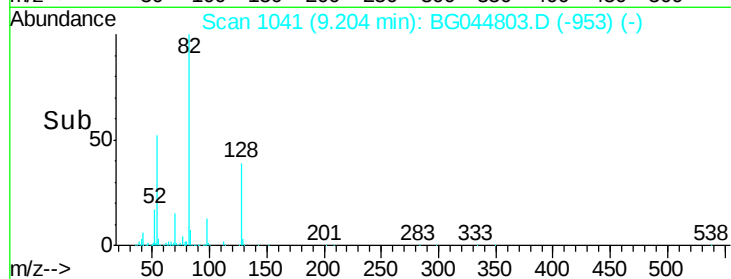
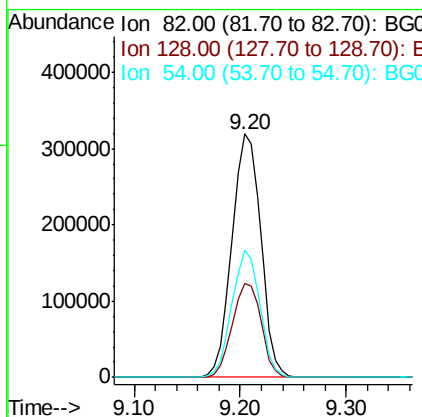
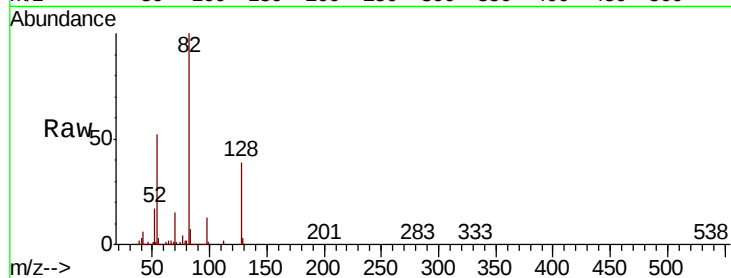




#23  
 Nitrobenzene-d5  
 Concen: 66.111 ng  
 RT: 9.20 min Scan# 1041  
 Delta R.T. -0.01 min  
 Lab File: BG044803.D  
 Acq: 14 Mar 2020 20:21

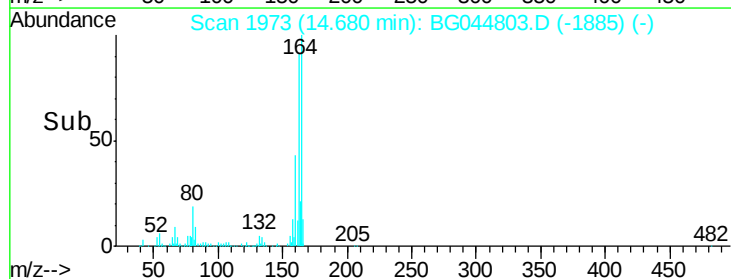
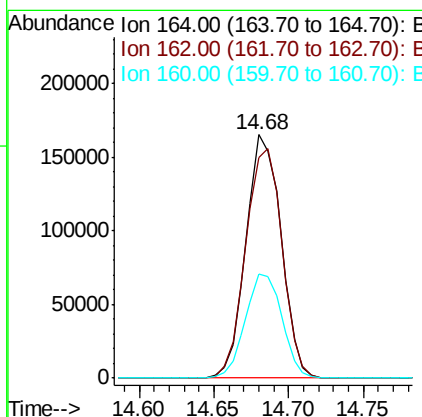
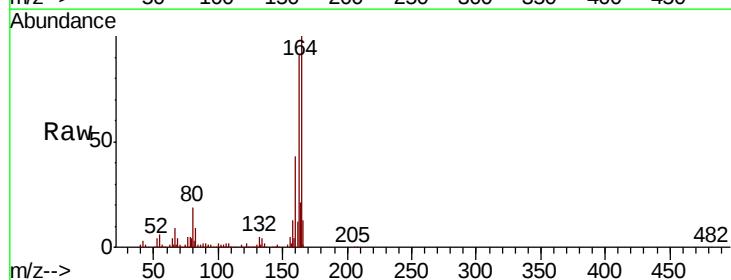
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB127536TB

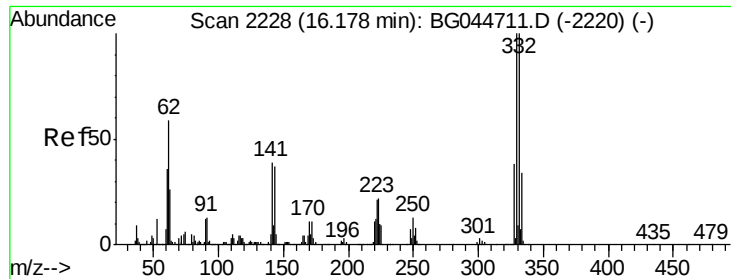
| Tot Ion   | 82    | Resp  | 603015 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 38.6  | 30.2  | 45.2   |
| 54        | 52.0  | 41.8  | 62.8   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.68 min Scan# 1973  
 Delta R.T. -0.01 min  
 Lab File: BG044803.D  
 Acq: 14 Mar 2020 20:21

| Tgt Ion   | 164   | Resp  | 268676 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 90.8  | 80.2  | 120.4  |
| 160       | 42.8  | 36.2  | 54.2   |

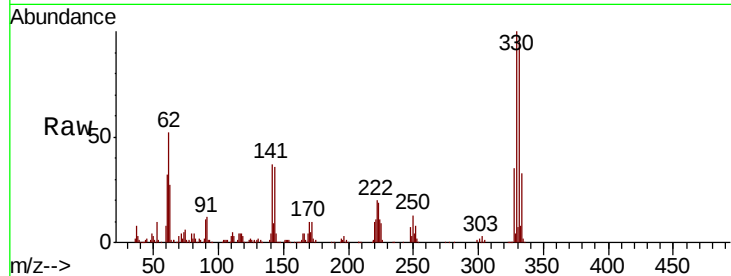




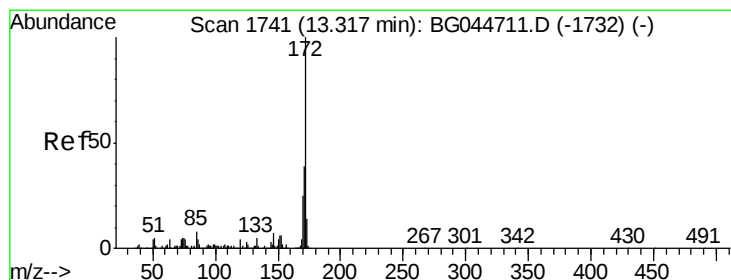
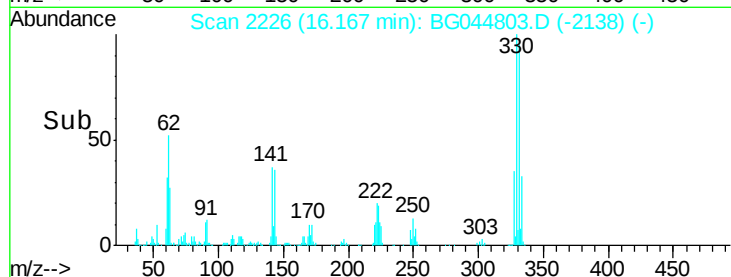
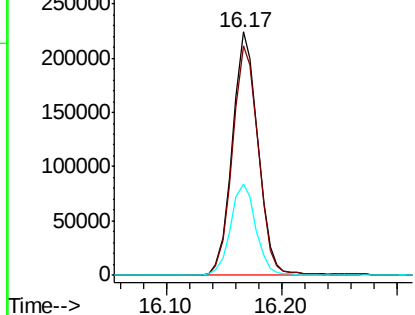
#42  
2,4,6-Tribromophenol  
Concen: 98.206 ng  
RT: 16.17 min Scan# 2226  
Delta R.T. -0.01 min  
Lab File: BG044803.D  
Acq: 14 Mar 2020 20:21

Instrument :  
BNA\_G  
ClientSampleId :  
PB127536TB

Tot Ion:330 Resp: 345480  
Ion Ratio Lower Upper  
330 100  
332 95.7 77.5 116.3  
141 37.2 31.7 47.5

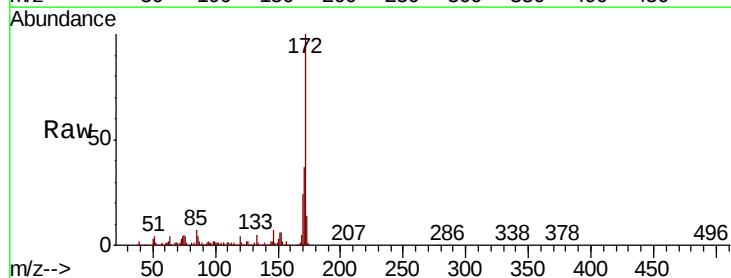


Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

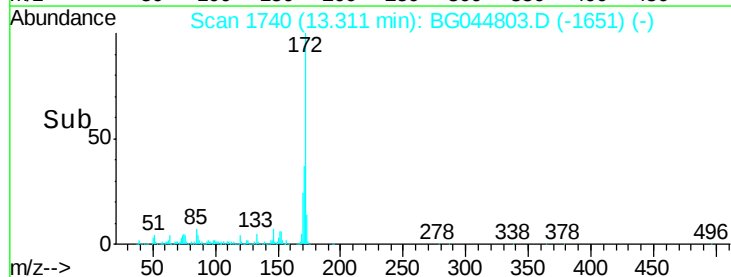
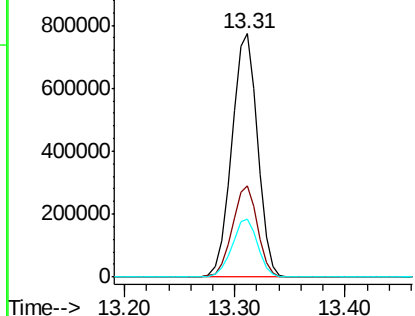


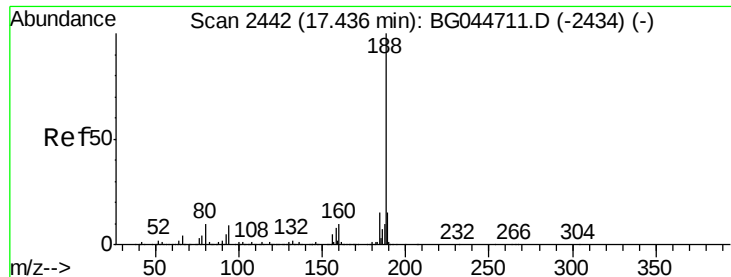
#45  
2-Fluorobiphenyl  
Concen: 67.503 ng  
RT: 13.31 min Scan# 1740  
Delta R.T. -0.01 min  
Lab File: BG044803.D  
Acq: 14 Mar 2020 20:21

Tgt Ion:172 Resp: 1266476  
Ion Ratio Lower Upper  
172 100  
171 37.3 30.8 46.2  
170 23.8 20.0 30.0



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: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG044803.D

Acq: 14 Mar 2020 20:21

Instrument :

BNA\_G

ClientSampleId :

PB127536TB

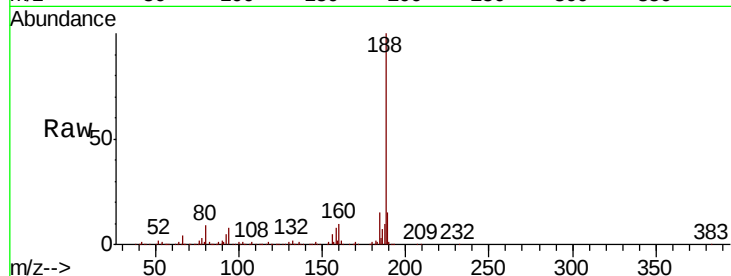
Tot Ion:188 Resp: 568214

Ion Ratio Lower Upper

188 100

94 7.8 7.0 10.6

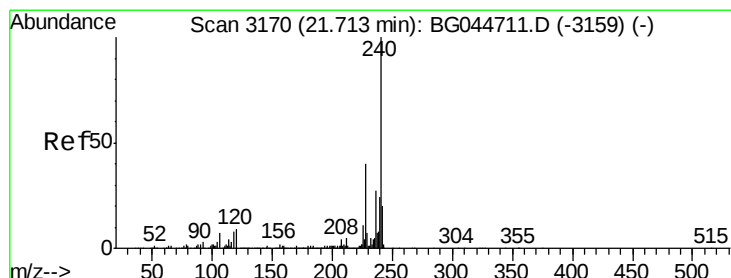
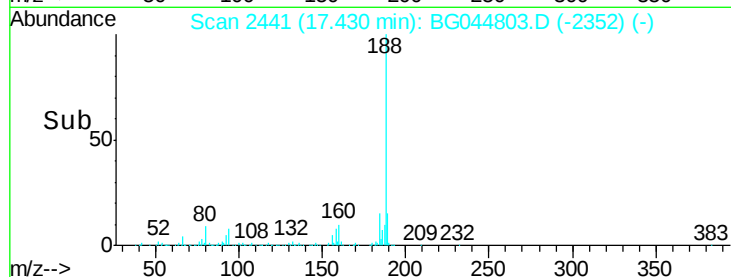
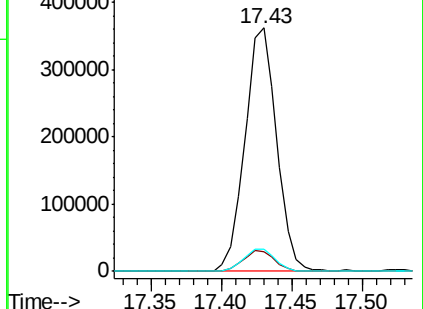
80 9.0 8.4 12.6



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: 21.70 min Scan# 3167

Delta R.T. -0.02 min

Lab File: BG044803.D

Acq: 14 Mar 2020 20:21

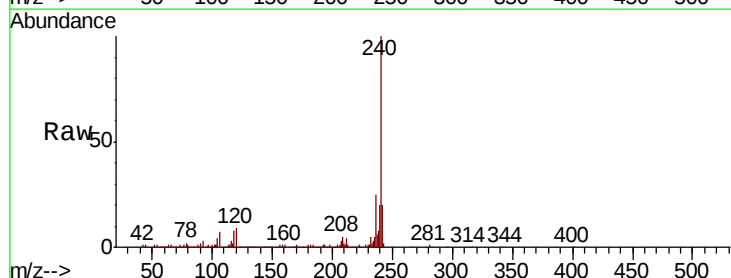
Tgt Ion:240 Resp: 508858

Ion Ratio Lower Upper

240 100

120 8.5 6.9 10.3

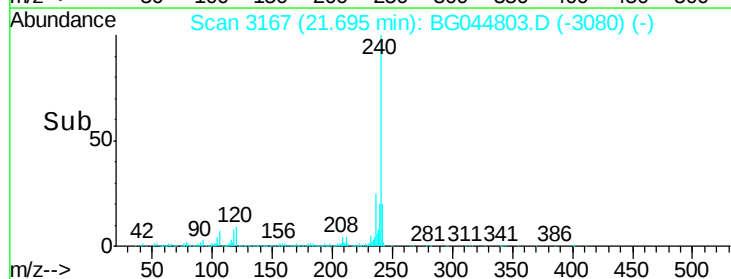
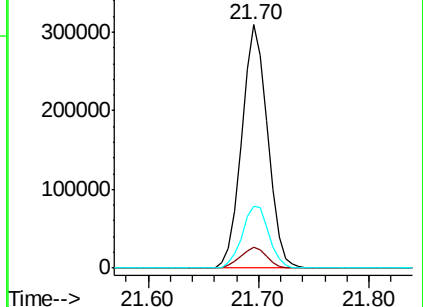
236 25.5 21.9 32.9

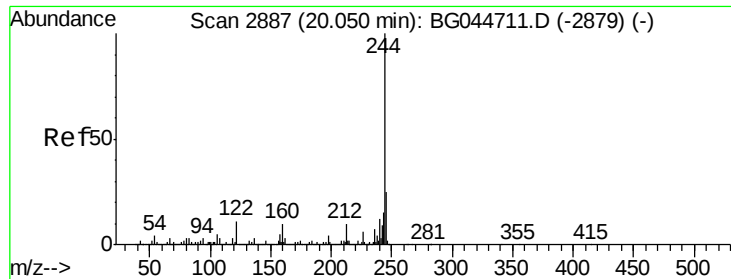


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 69.197 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG044803.D

Acq: 14 Mar 2020 20:21

Instrument :

BNA\_G

ClientSampleId :

PB127536TB

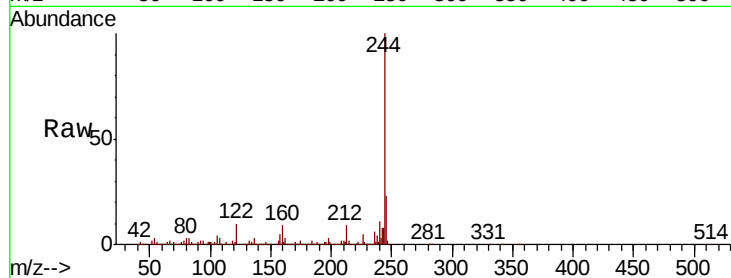
Tot Ion:244 Resp: 1882416

Ion Ratio Lower Upper

244 100

212 8.7 8.4 12.6

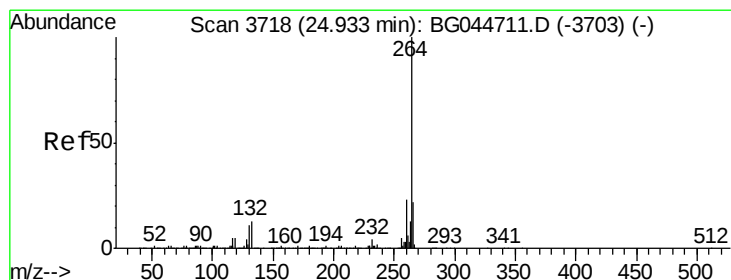
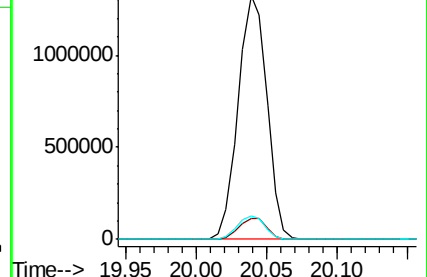
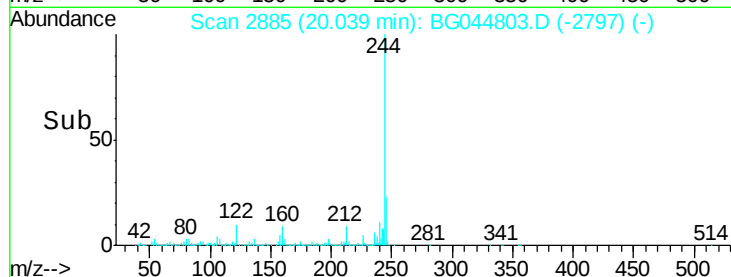
122 9.6 8.7 13.1



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: 24.91 min Scan# 3714

Delta R.T. -0.02 min

Lab File: BG044803.D

Acq: 14 Mar 2020 20:21

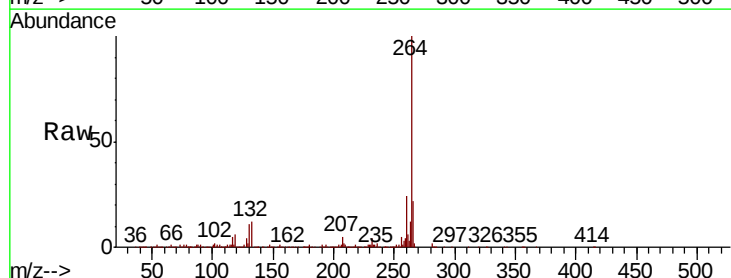
Tgt Ion:264 Resp: 564177

Ion Ratio Lower Upper

264 100

260 23.9 18.4 27.6

265 21.6 17.4 26.2



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

