

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012020\  
 Data File : BG044130.D  
 Acq On : 21 Jan 2020 12:46  
 Operator : JU  
 Sample : L1176-13  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EP-11

Quant Time: Jan 21 13:26:12 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 31 13:32:23 2019  
 Response via : Initial Calibration

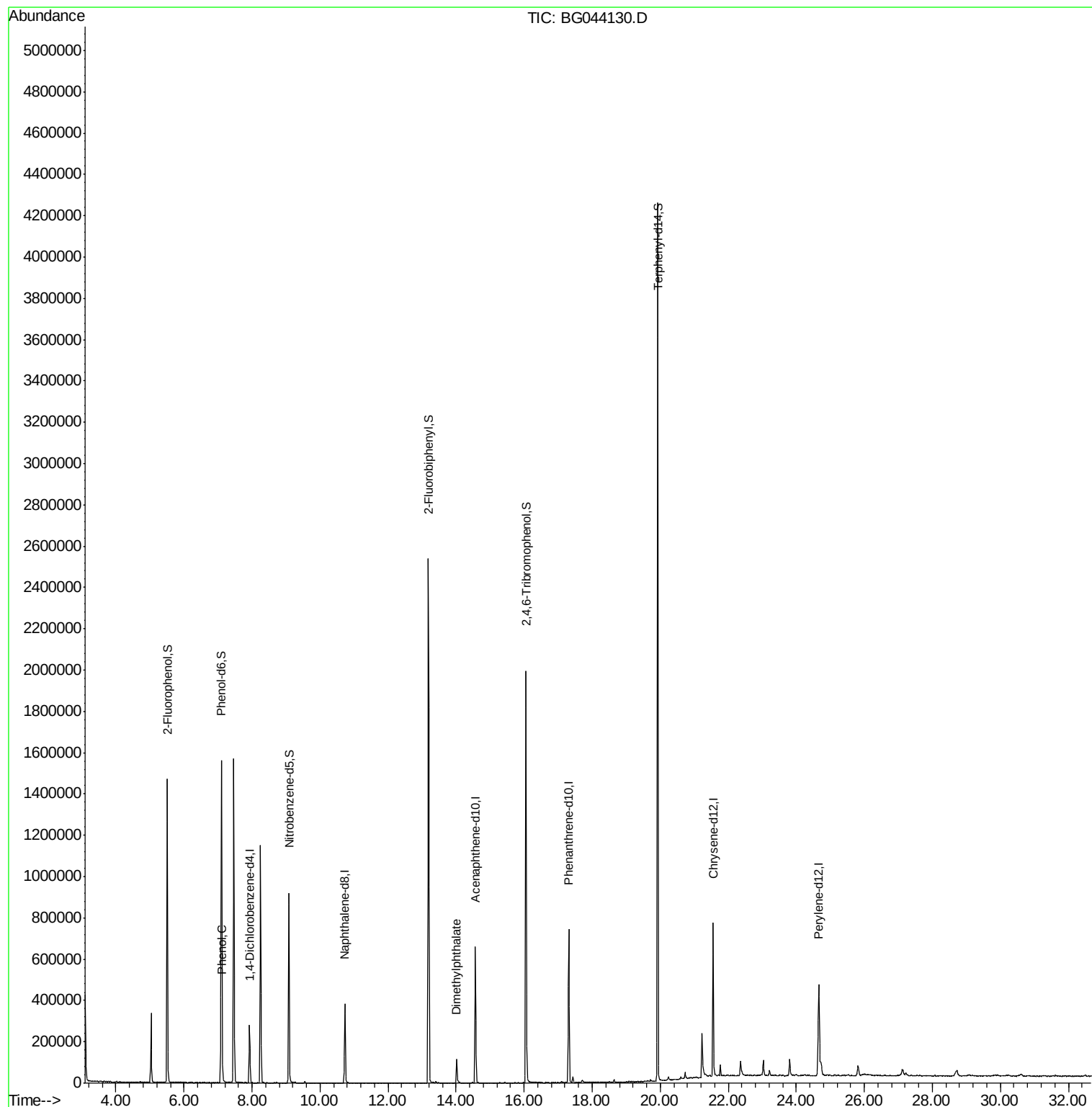
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.93  | 152  | 80475    | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8          | 10.73 | 136  | 358487   | 20.00  | ng    | -0.04    |
| 39) Acenaphthene-d10        | 14.57 | 164  | 244328   | 20.00  | ng    | -0.03    |
| 64) Phenanthrene-d10        | 17.31 | 188  | 503542   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.55 | 240  | 428441   | 20.00  | ng    | -0.04    |
| 87) Perylene-d12            | 24.66 | 264  | 470990   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.51  | 112  | 699260   | 159.54 | ng    | -0.03    |
| 7) Phenol-d6                | 7.10  | 99   | 1013234  | 165.39 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.09  | 82   | 587588   | 87.68  | ng    | -0.04    |
| 42) 2,4,6-Tribromophenol    | 16.05 | 330  | 377748   | 147.74 | ng    | -0.03    |
| 45) 2-Fluorobiphenyl        | 13.19 | 172  | 1365783  | 101.28 | ng    | -0.03    |
| 79) Terphenyl-d14           | 19.93 | 244  | 1885761  | 116.31 | ng    | -0.03    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.13  | 94   | 39067    | 6.189  | ng    | 98       |
| 50) Dimethylphthalate       | 14.02 | 163  | 96893    | 5.585  | ng    | 98       |

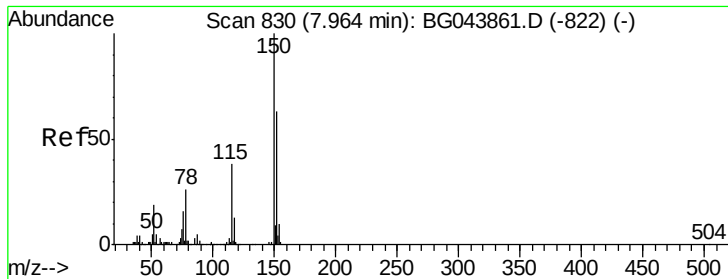
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012020\  
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Instrument :  
BNA\_G  
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EP-11

Quant Time: Jan 21 13:26:12 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 31 13:32:23 2019  
Response via : Initial Calibration



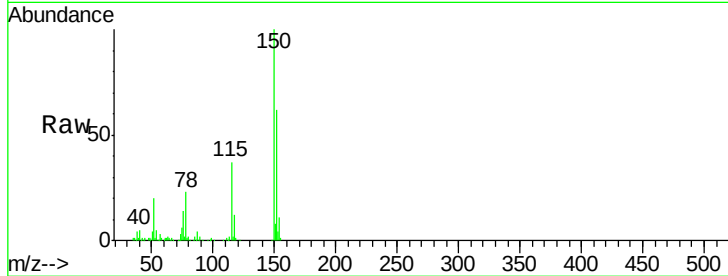


#1

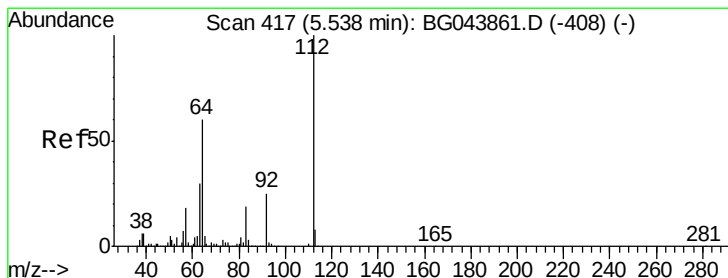
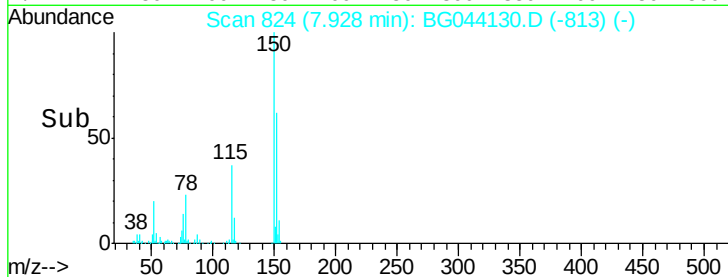
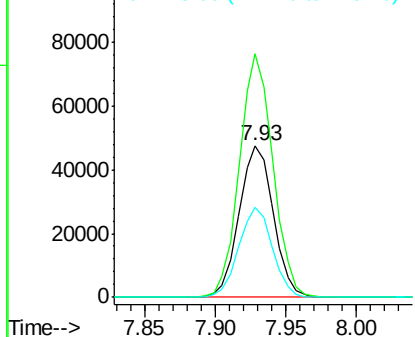
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.93 min Scan# 824  
Delta R.T. -0.04 min  
Lab File: BG044130.D  
Acq: 21 Jan 2020 12:46

Instrument :  
BNA\_G  
ClientSampleId :  
EP-11

Tot Ion:152 Resp: 80475  
Ion Ratio Lower Upper  
152 100  
150 160.7 127.0 190.4  
115 59.3 47.8 71.8



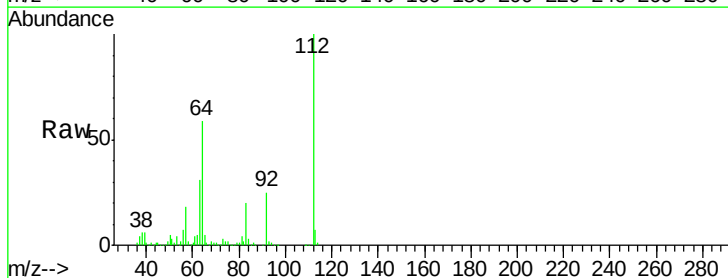
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



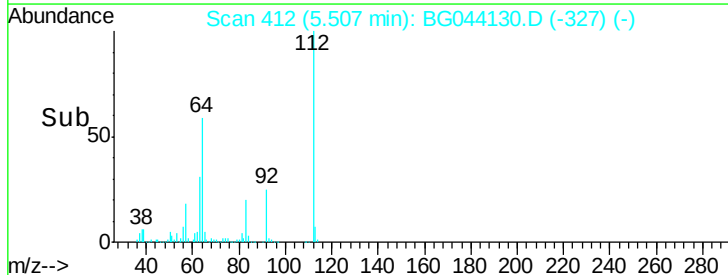
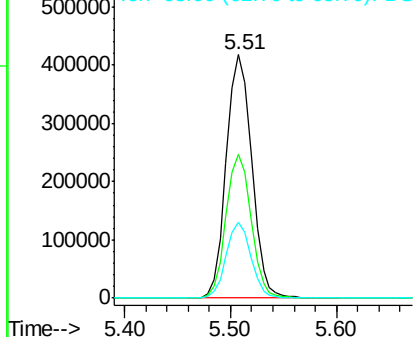
#5

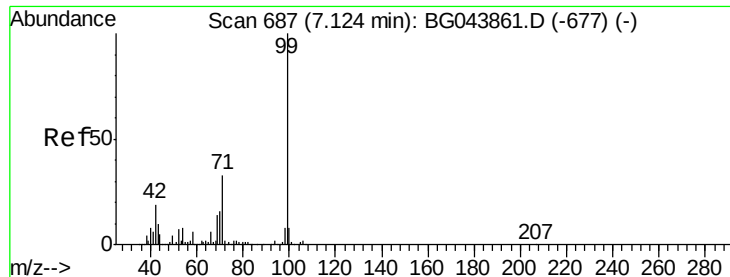
2-Fluorophenol  
Concen: 159.543 ng  
RT: 5.51 min Scan# 412  
Delta R.T. -0.03 min  
Lab File: BG044130.D  
Acq: 21 Jan 2020 12:46

Tgt Ion:112 Resp: 699260  
Ion Ratio Lower Upper  
112 100  
64 59.0 47.8 71.6  
63 31.0 24.3 36.5



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





#7

Phenol-d6

Concen: 165.386 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044130.D

Acq: 21 Jan 2020 12:46

Instrument :

BNA\_G

ClientSampled :

EP-11

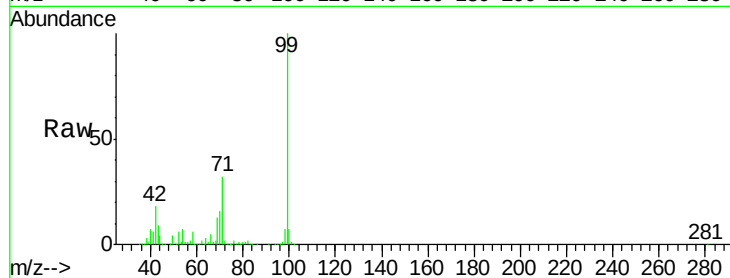
Tot Ion: 99 Resp: 1013234

Ion Ratio Lower Upper

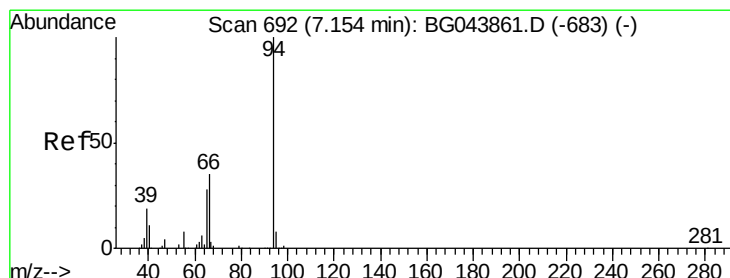
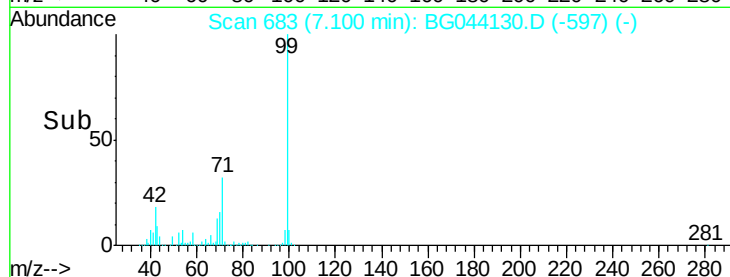
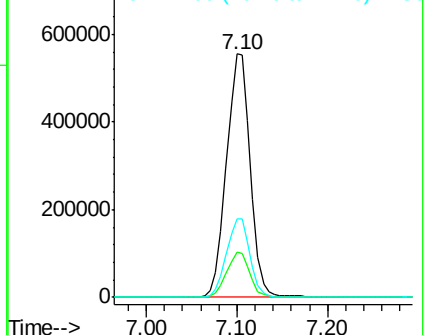
99 100

42 18.4 14.9 22.3

71 32.4 26.4 39.6



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



#10

Phenol

Concen: 6.189 ng

RT: 7.13 min Scan# 688

Delta R.T. -0.02 min

Lab File: BG044130.D

Acq: 21 Jan 2020 12:46

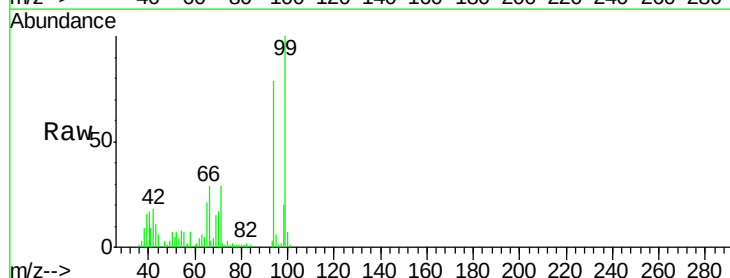
Tgt Ion: 94 Resp: 39067

Ion Ratio Lower Upper

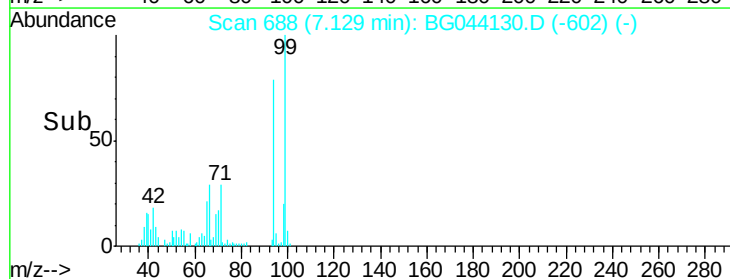
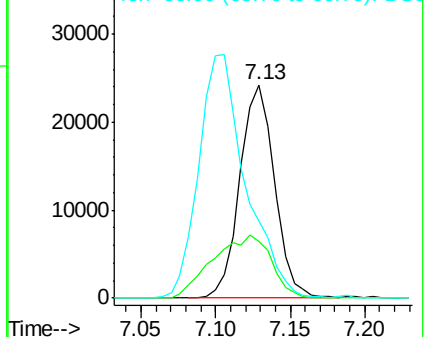
94 100

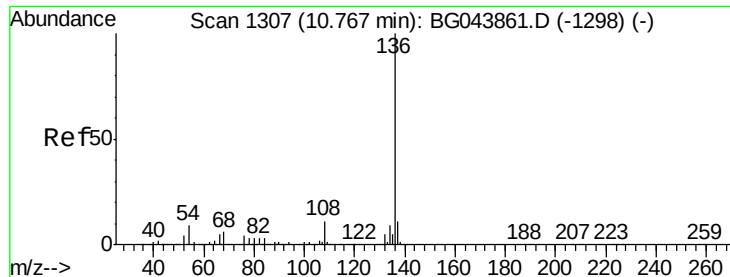
65 26.4 8.1 48.1

66 36.1 15.6 55.6



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

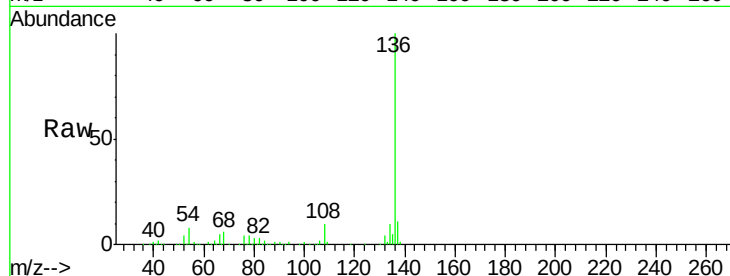




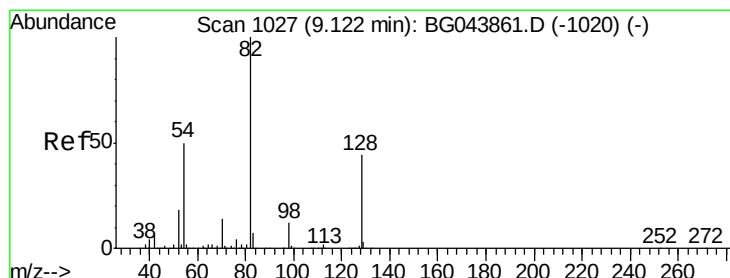
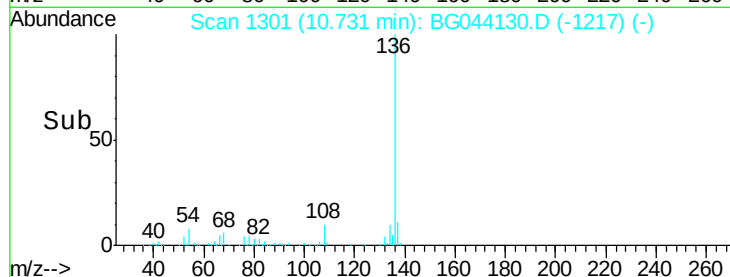
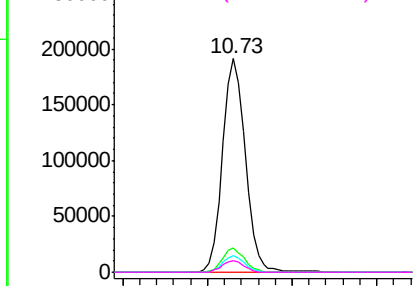
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.73 min Scan# 1301  
Delta R.T. -0.04 min  
Lab File: BG044130.D  
Acq: 21 Jan 2020 12:46

Instrument :  
BNA\_G  
ClientSampleId :  
EP-11

|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 358487 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 11.4    | 8.8   | 13.2   |
| 54 7.7      | 7.0   | 10.4   |
| 68 5.6      | 4.9   | 7.3    |

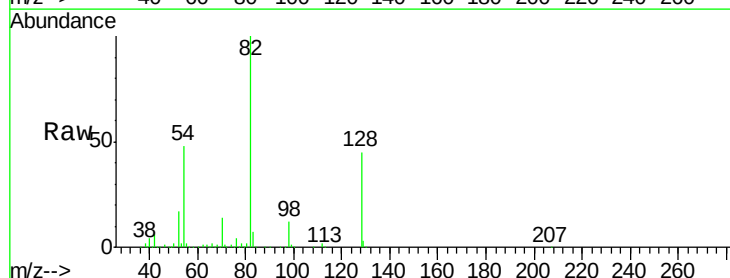


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

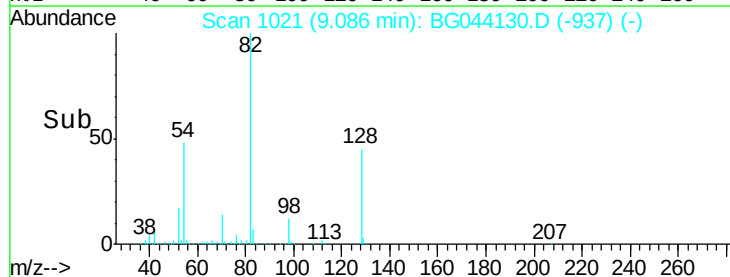
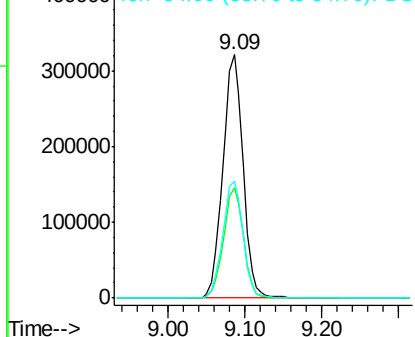


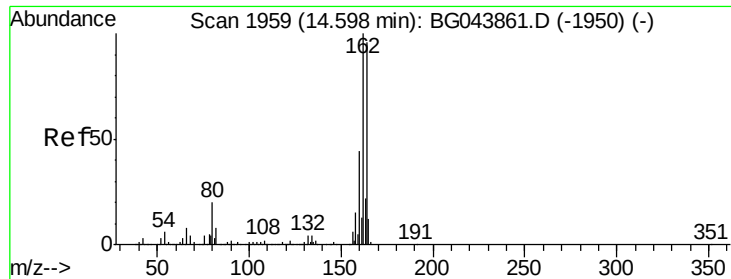
#23  
Nitrobenzene-d5  
Concen: 87.684 ng  
RT: 9.09 min Scan# 1021  
Delta R.T. -0.04 min  
Lab File: BG044130.D  
Acq: 21 Jan 2020 12:46

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 587588 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 45.4    | 35.1 52.7    |
| 54 47.9     | 40.1 60.1    |



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1954

Delta R.T. -0.03 min

Lab File: BG044130.D

Acq: 21 Jan 2020 12:46

Instrument :

BNA\_G

ClientSampleId :

EP-11

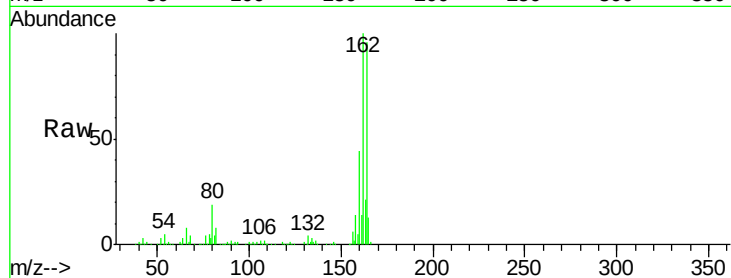
Tot Ion:164 Resp: 244328

Ion Ratio Lower Upper

164 100

162 104.7 83.0 124.4

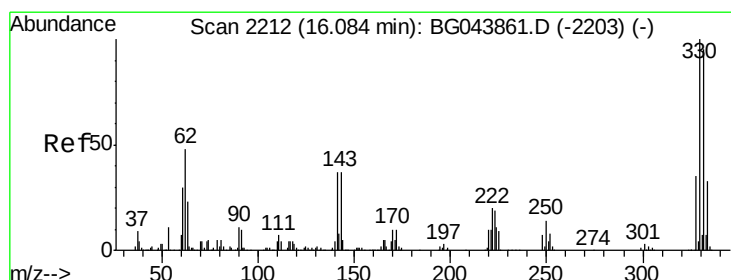
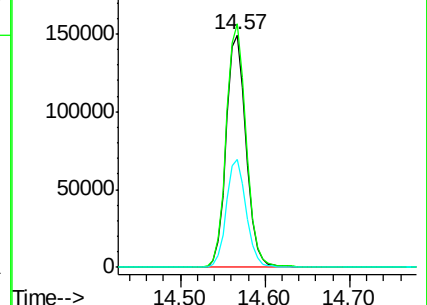
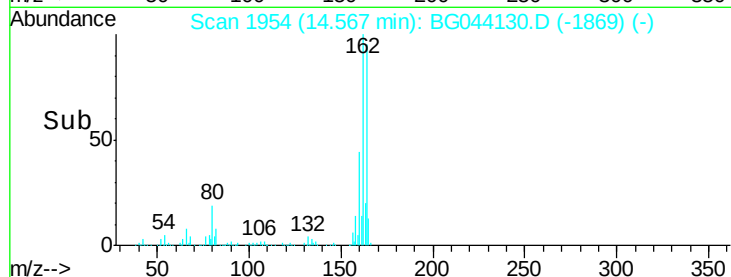
160 46.3 36.1 54.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 147.740 ng

RT: 16.05 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044130.D

Acq: 21 Jan 2020 12:46

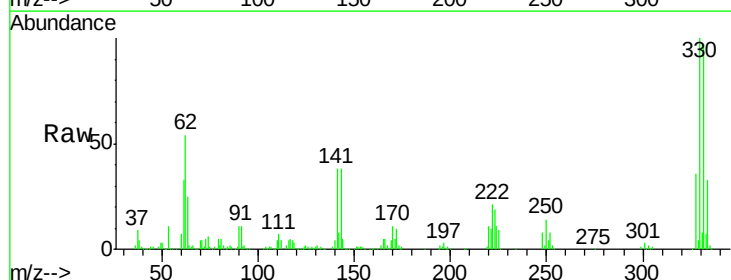
Tgt Ion:330 Resp: 377748

Ion Ratio Lower Upper

330 100

332 97.6 77.2 115.8

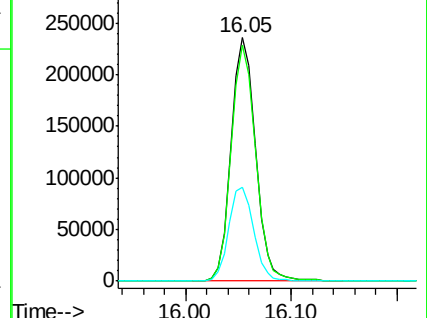
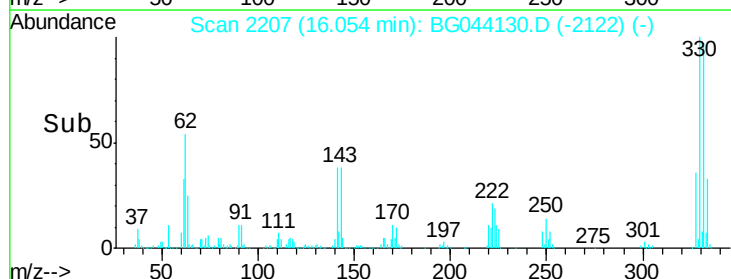
141 39.6 33.1 49.7

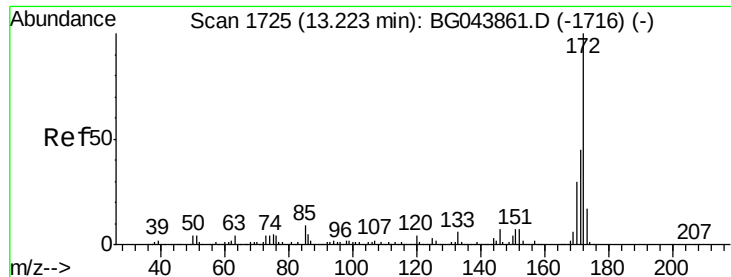


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



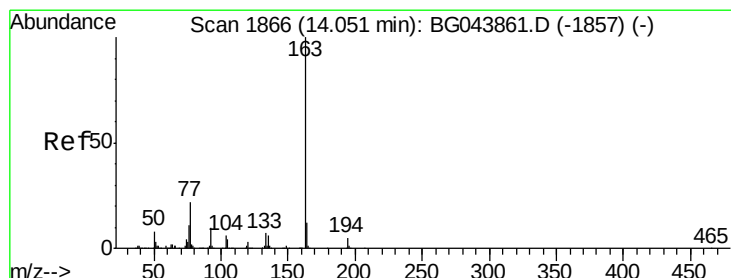
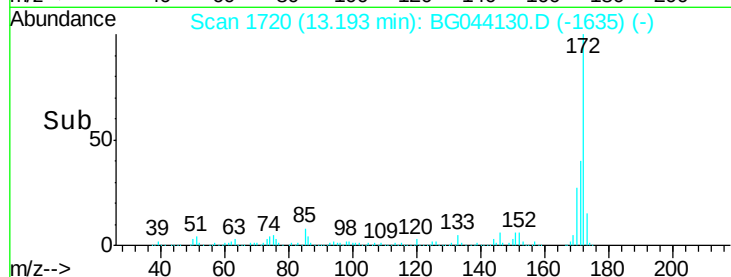
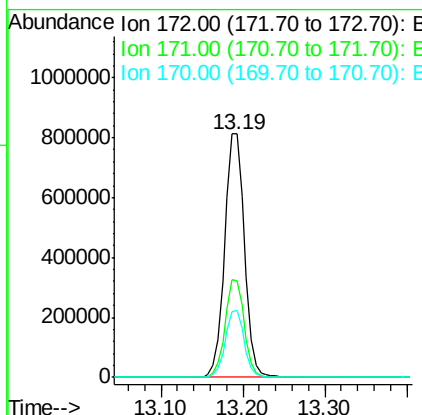
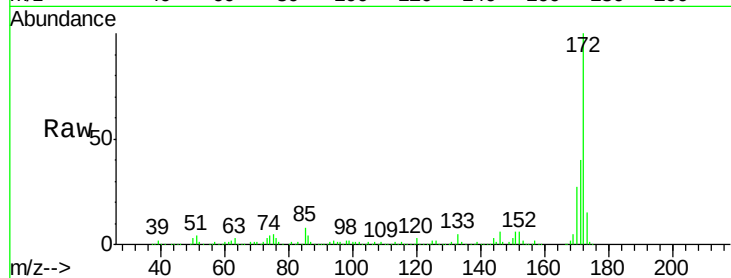


#45  
 2-Fluorobiphenyl  
 Concen: 101.277 ng  
 RT: 13.19 min Scan# 1720  
 Delta R.T. -0.03 min  
 Lab File: BG044130.D  
 Acq: 21 Jan 2020 12:46

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EP-11

Tot Ion:172 Resp: 1365783  

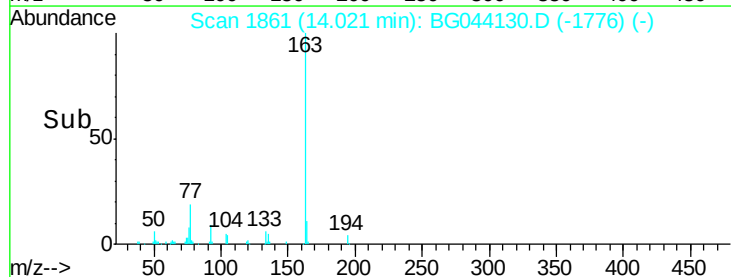
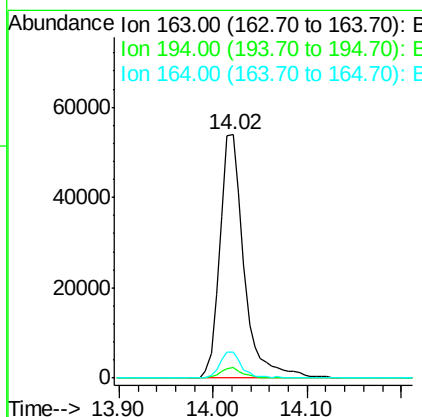
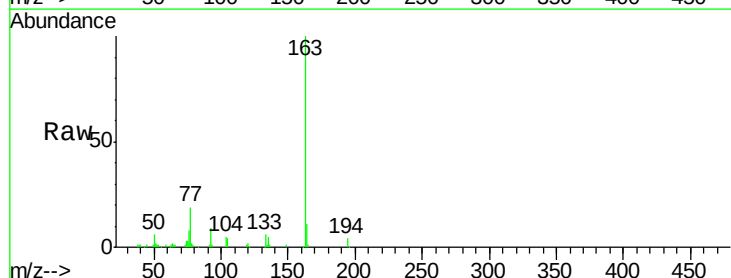
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 39.8  | 35.8  | 53.8  |
| 170 | 27.3  | 24.2  | 36.4  |

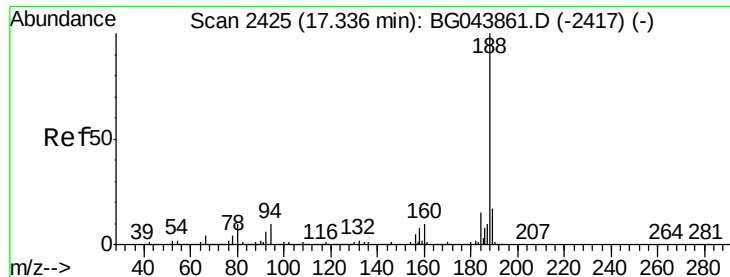


#50  
 Dimethylphthalate  
 Concen: 5.585 ng  
 RT: 14.02 min Scan# 1861  
 Delta R.T. -0.03 min  
 Lab File: BG044130.D  
 Acq: 21 Jan 2020 12:46

Tgt Ion:163 Resp: 96893  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.5   | 3.7   | 5.5   |
| 164 | 10.6  | 9.3   | 13.9  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.31 min Scan# 2421

Delta R.T. -0.02 min

Lab File: BG044130.D

Acq: 21 Jan 2020 12:46

Instrument :

BNA\_G

ClientSampleId :

EP-11

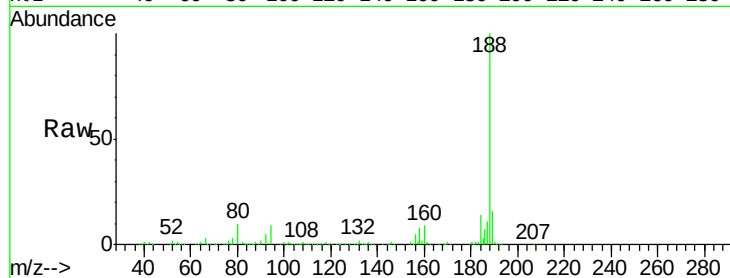
Tot Ion:188 Resp: 503542

Ion Ratio Lower Upper

188 100

94 8.7 7.9 11.9

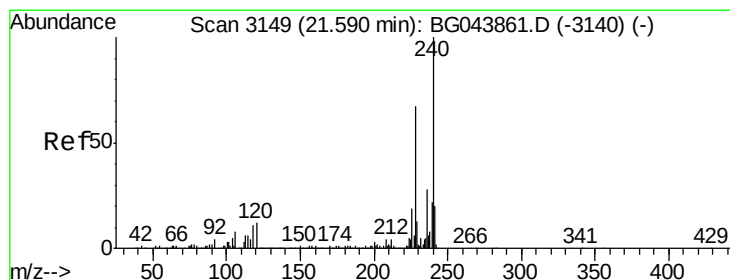
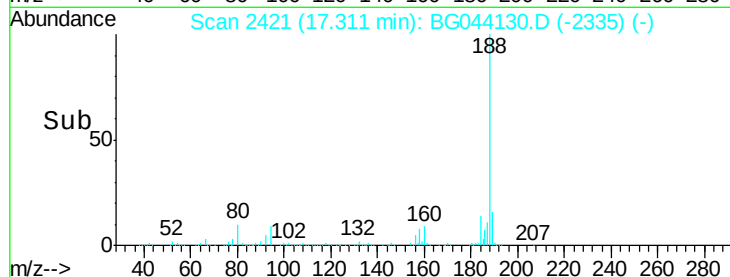
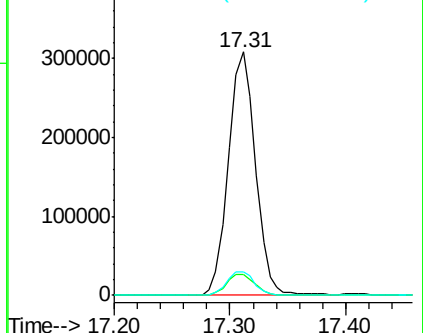
80 9.7 8.2 12.4



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: 21.55 min Scan# 3143

Delta R.T. -0.04 min

Lab File: BG044130.D

Acq: 21 Jan 2020 12:46

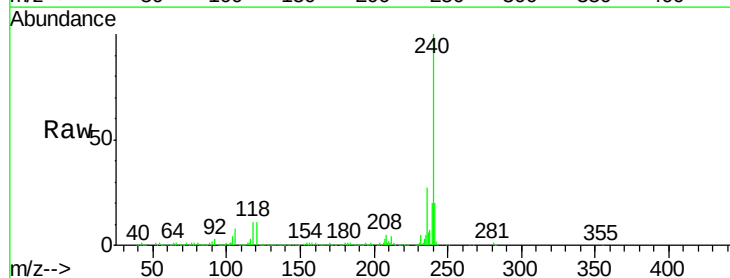
Tgt Ion:240 Resp: 428441

Ion Ratio Lower Upper

240 100

120 10.7 9.6 14.4

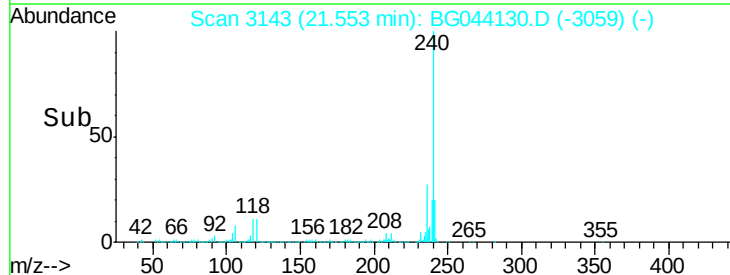
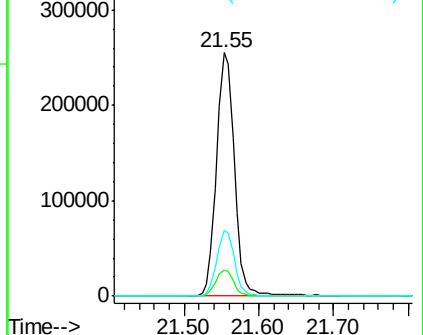
236 27.1 22.2 33.2



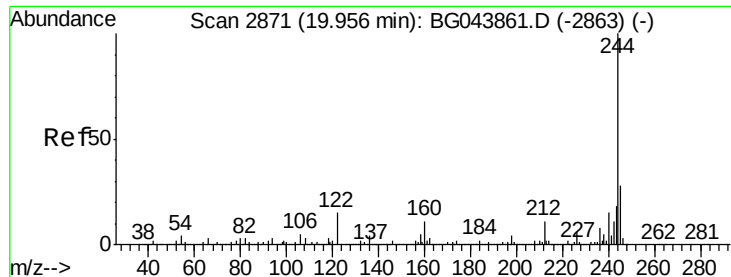
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#79

Terphenyl-d14

Concen: 116.306 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044130.D

Acq: 21 Jan 2020 12:46

Instrument :

BNA\_G

ClientSampleId :

EP-11

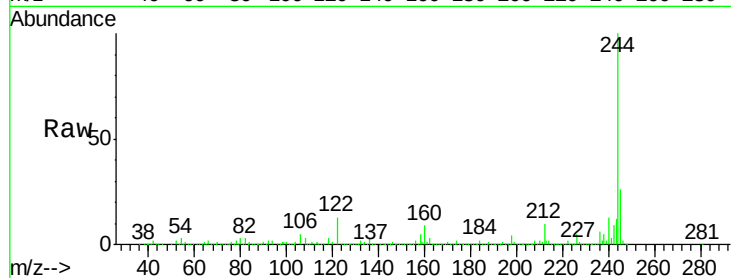
Tot Ion:244 Resp: 1885761

Ion Ratio Lower Upper

244 100

212 9.6 8.6 13.0

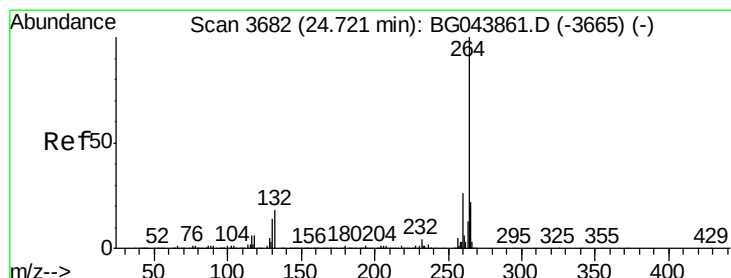
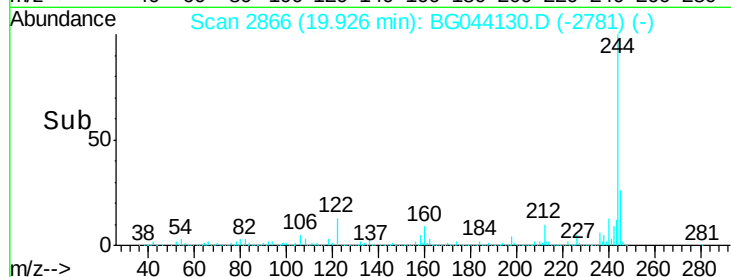
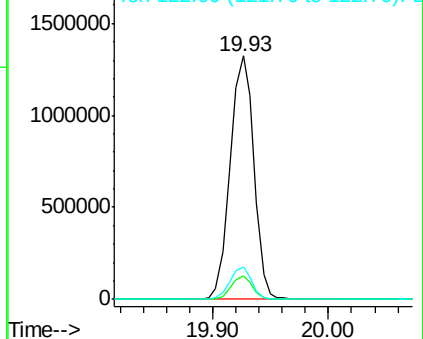
122 13.4 11.9 17.9



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: 24.66 min Scan# 3672

Delta R.T. -0.06 min

Lab File: BG044130.D

Acq: 21 Jan 2020 12:46

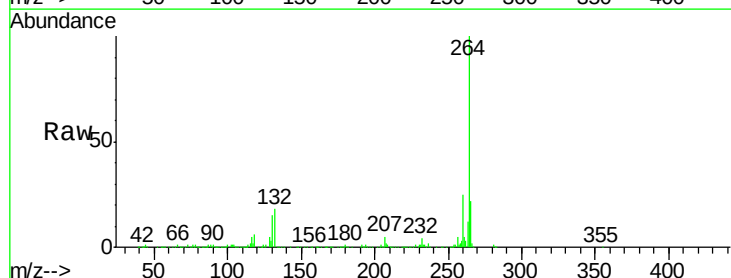
Tgt Ion:264 Resp: 470990

Ion Ratio Lower Upper

264 100

260 25.2 20.4 30.6

265 22.2 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

