

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012020\  
 Data File : BG044122.D  
 Acq On : 21 Jan 2020 7:35  
 Operator : JU  
 Sample : L1176-08  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EP-6

Quant Time: Jan 21 10:21:08 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

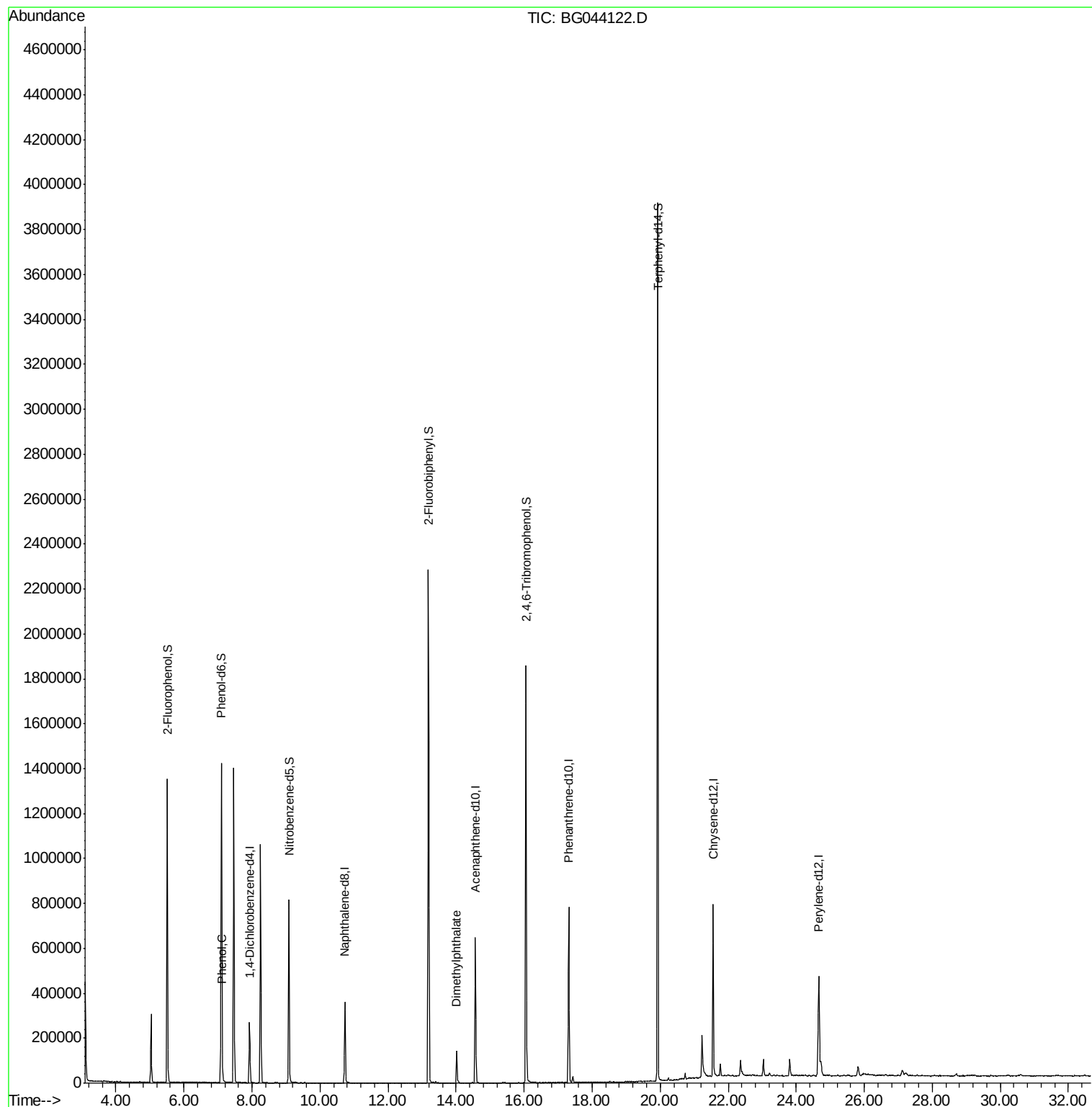
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.93  | 152  | 79159    | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8          | 10.73 | 136  | 340590   | 20.00  | ng    | -0.04    |
| 39) Acenaphthene-d10        | 14.57 | 164  | 237897   | 20.00  | ng    | -0.03    |
| 64) Phenanthrene-d10        | 17.31 | 188  | 506908   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.55 | 240  | 429583   | 20.00  | ng    | -0.04    |
| 87) Perylene-d12            | 24.66 | 264  | 474445   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.51  | 112  | 635188   | 147.33 | ng    | -0.03    |
| 7) Phenol-d6                | 7.10  | 99   | 909114   | 150.86 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.09  | 82   | 524609   | 82.40  | ng    | -0.04    |
| 42) 2,4,6-Tribromophenol    | 16.05 | 330  | 352849   | 141.73 | ng    | -0.03    |
| 45) 2-Fluorobiphenyl        | 13.19 | 172  | 1250975  | 95.27  | ng    | -0.04    |
| 79) Terphenyl-d14           | 19.93 | 244  | 1795477  | 107.82 | ng    | -0.03    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.13  | 94   | 32601    | 5.251  | ng    | 96       |
| 50) Dimethylphthalate       | 14.02 | 163  | 116325   | 6.887  | ng    | 97       |

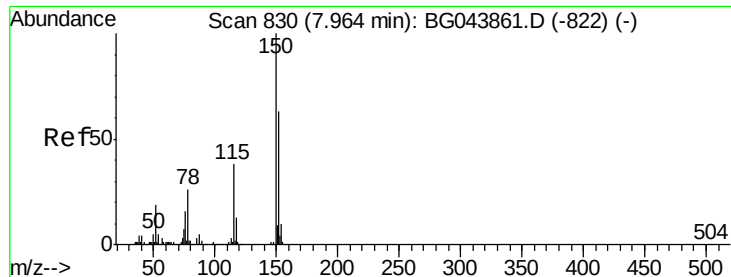
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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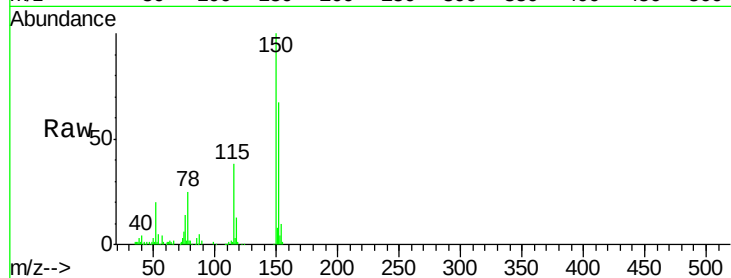


#1

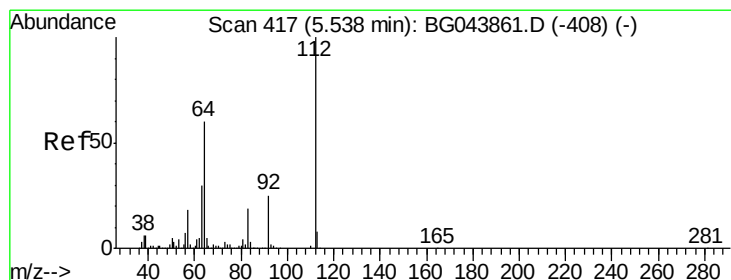
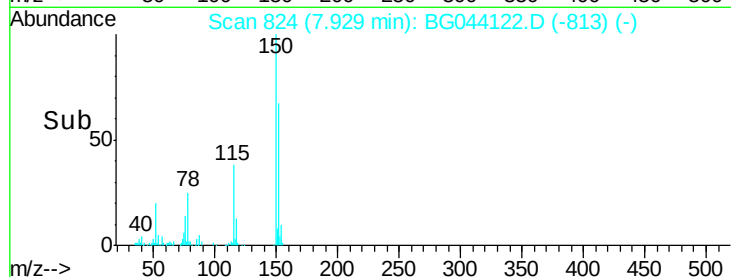
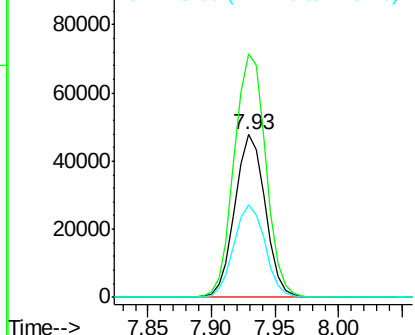
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.93 min Scan# 824  
Delta R.T. -0.04 min  
Lab File: BG044122.D  
Acq: 21 Jan 2020 7:35

Instrument :  
BNA\_G  
ClientSampleId :  
EP-6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 149.8 | 127.0 | 190.4 |
| 115     | 56.6  | 47.8  | 71.8  |



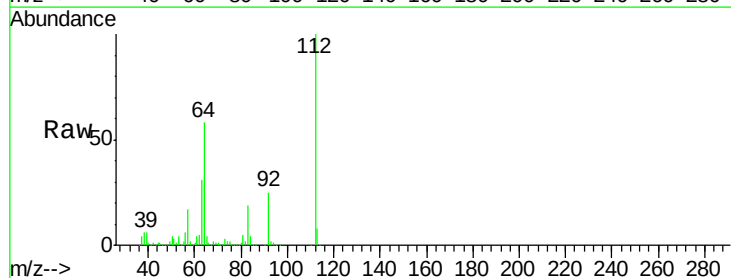
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



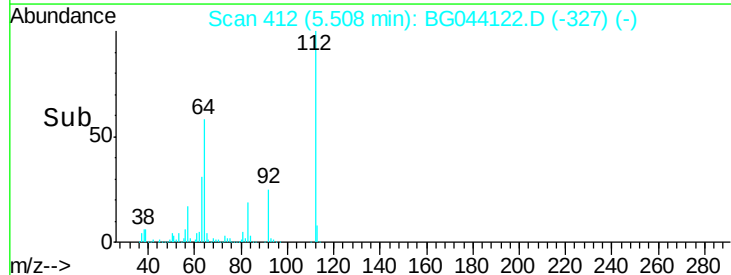
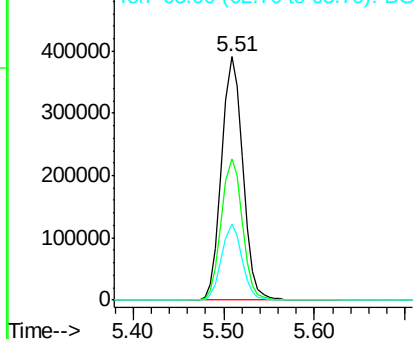
#5

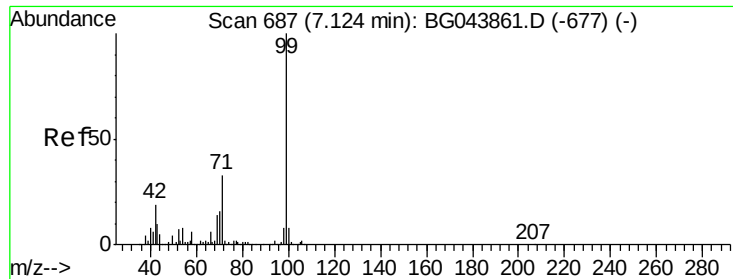
2-Fluorophenol  
Concen: 147.334 ng  
RT: 5.51 min Scan# 412  
Delta R.T. -0.03 min  
Lab File: BG044122.D  
Acq: 21 Jan 2020 7:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.2  | 47.8  | 71.6  |
| 63      | 31.1  | 24.3  | 36.5  |



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: 150.858 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044122.D

Acq: 21 Jan 2020 7:35

Instrument :

BNA\_G

ClientSampled :

EP-6

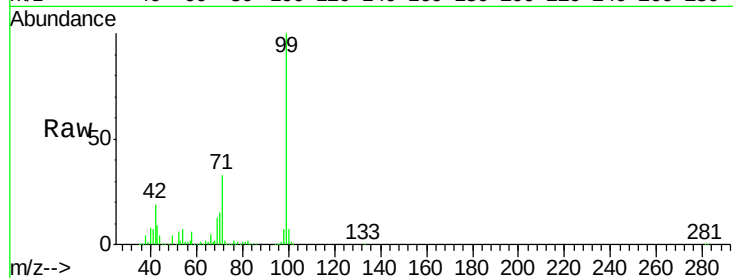
Tot Ion: 99 Resp: 909114

Ion Ratio Lower Upper

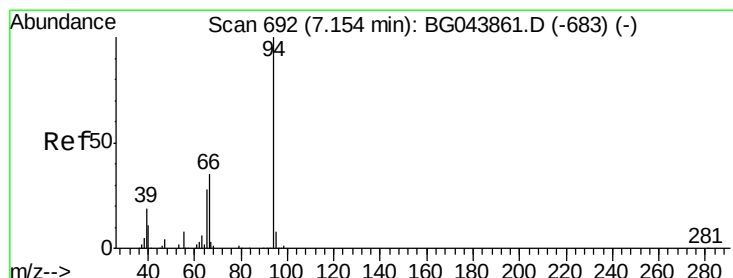
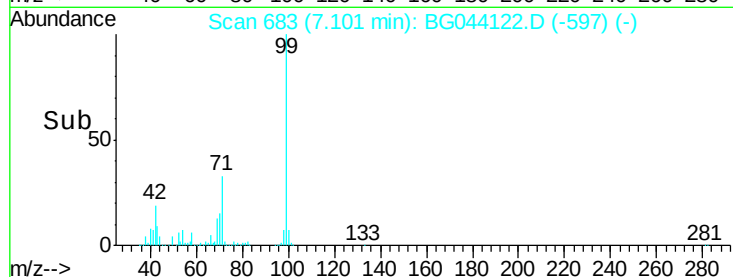
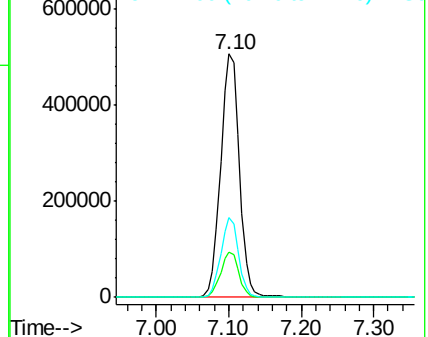
99 100

42 18.6 14.9 22.3

71 32.8 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: 5.251 ng

RT: 7.13 min Scan# 688

Delta R.T. -0.02 min

Lab File: BG044122.D

Acq: 21 Jan 2020 7:35

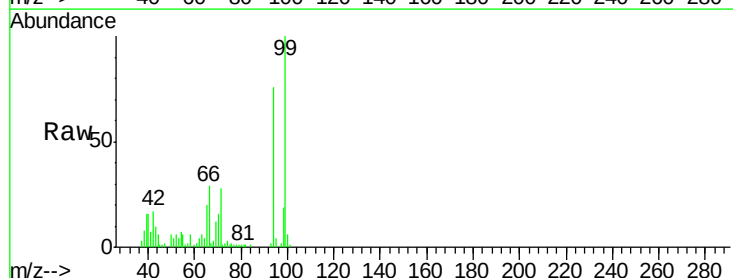
Tgt Ion: 94 Resp: 32601

Ion Ratio Lower Upper

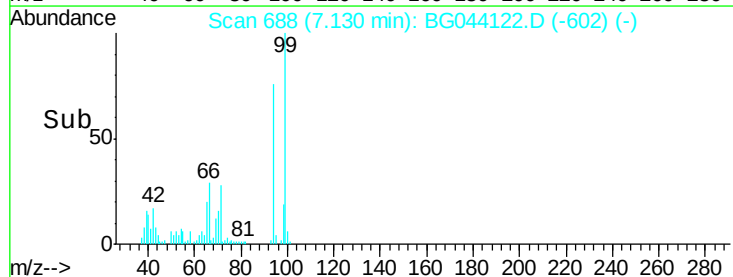
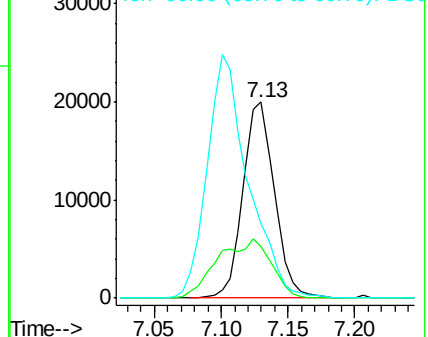
94 100

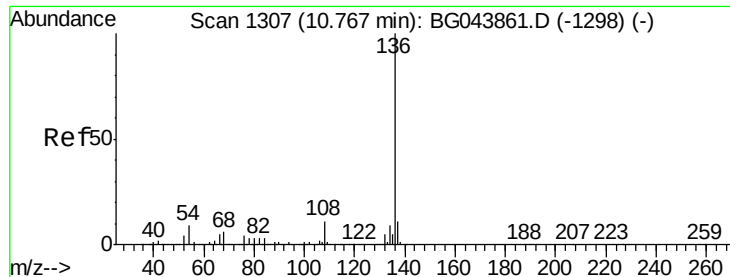
65 26.5 8.1 48.1

66 38.1 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

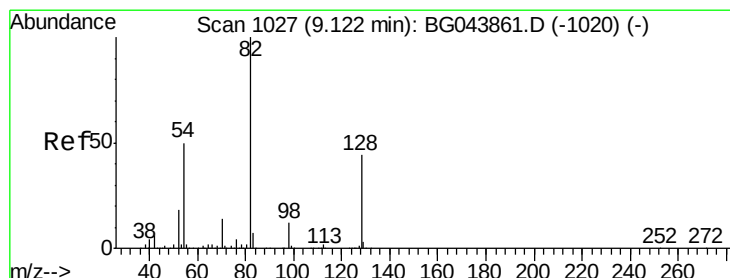
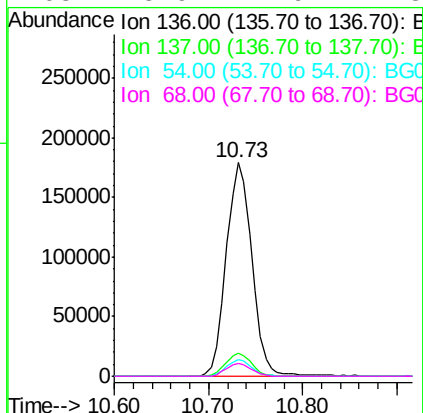
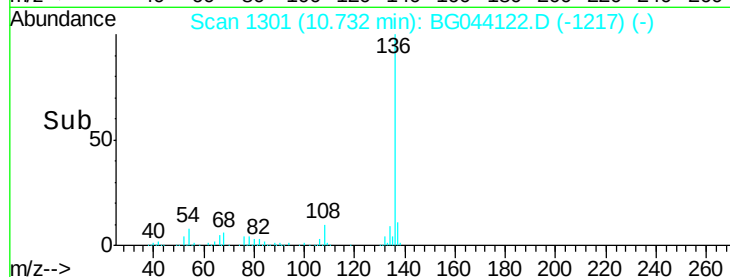
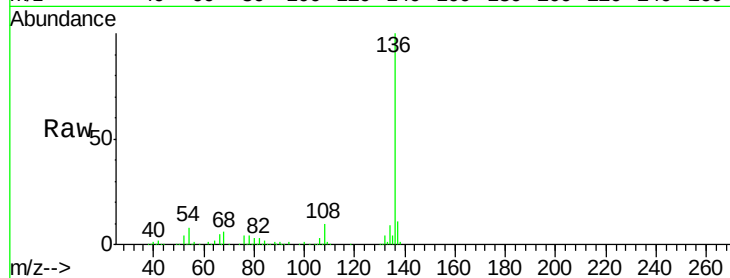




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.73 min Scan# 1301  
Delta R.T. -0.04 min  
Lab File: BG044122.D  
Acq: 21 Jan 2020 7:35

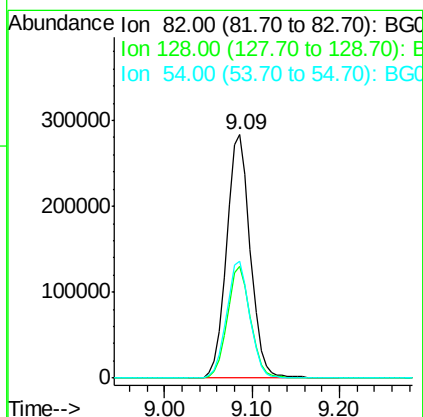
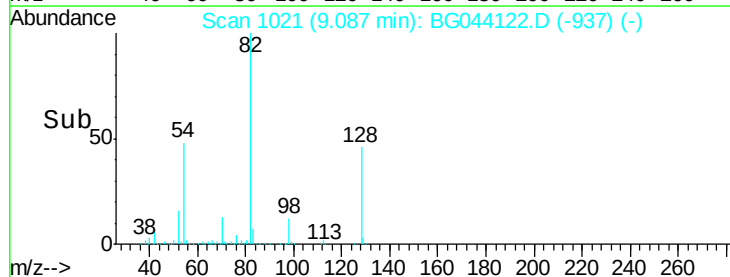
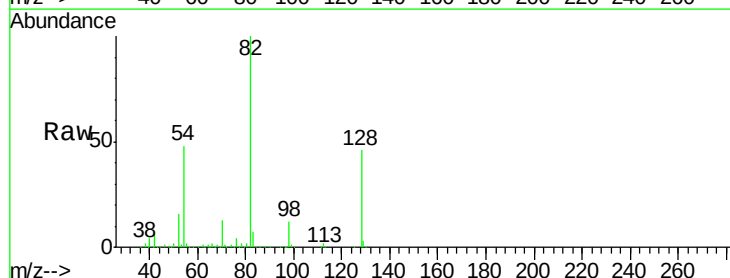
Instrument :  
BNA\_G  
ClientSampled :  
EP-6

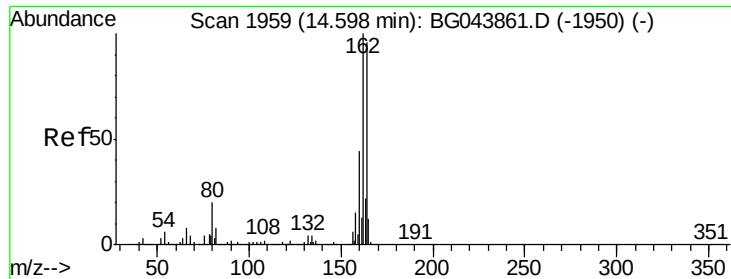
|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 340590 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 11.1    | 8.8   | 13.2   |
| 54 8.0      | 7.0   | 10.4   |
| 68 5.9      | 4.9   | 7.3    |



#23  
Nitrobenzene-d5  
Concen: 82.399 ng  
RT: 9.09 min Scan# 1021  
Delta R.T. -0.04 min  
Lab File: BG044122.D  
Acq: 21 Jan 2020 7:35

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 524609 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 46.2    | 35.1 52.7    |
| 54 48.2     | 40.1 60.1    |

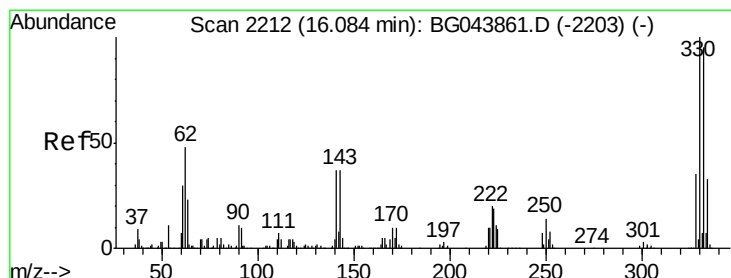
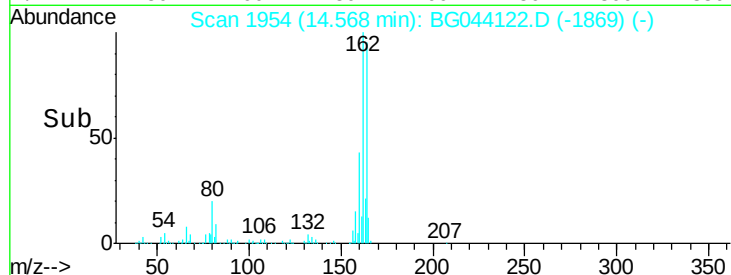
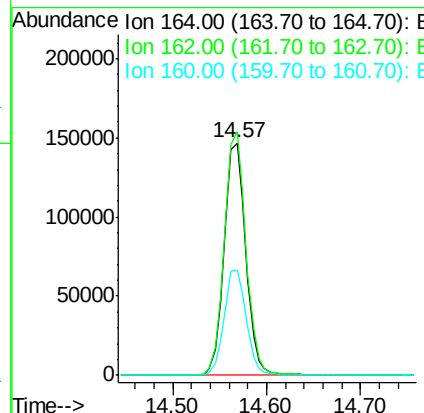
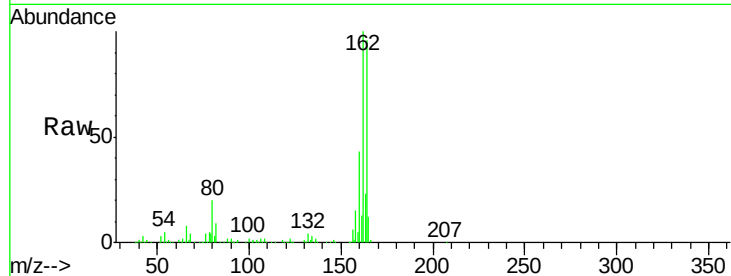




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.57 min Scan# 1954  
Delta R.T. -0.03 min  
Lab File: BG044122.D  
Acq: 21 Jan 2020 7:35

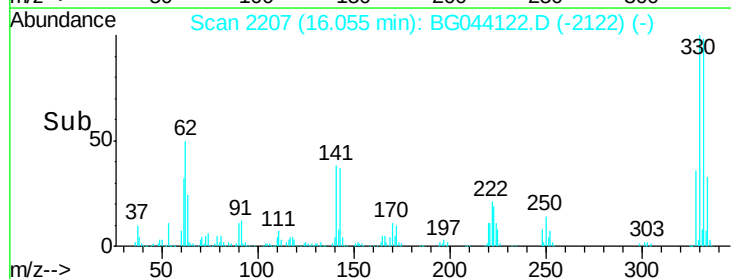
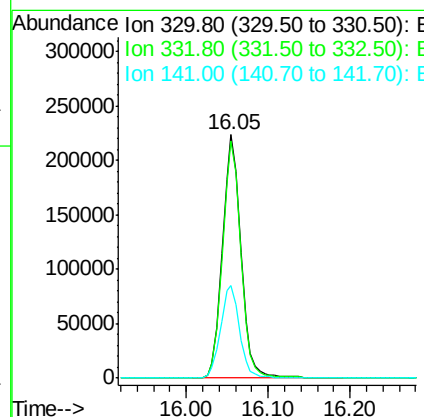
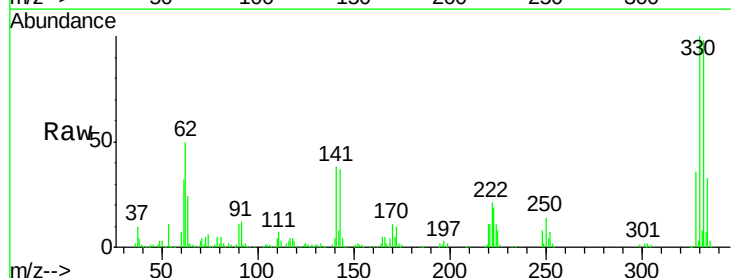
Instrument :  
BNA\_G  
ClientSampleId :  
EP-6

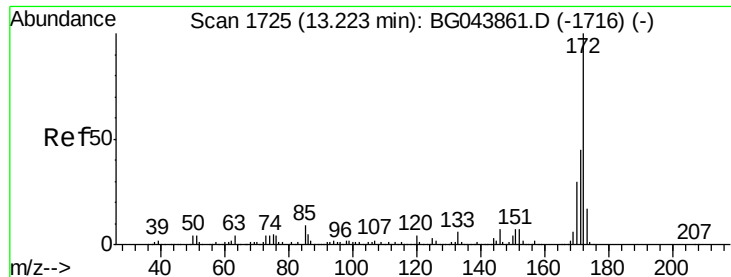
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.7 | 83.0  | 124.4 |
| 160     | 45.5  | 36.1  | 54.1  |



#42  
2,4,6-Tribromophenol  
Concen: 141.732 ng  
RT: 16.05 min Scan# 2207  
Delta R.T. -0.03 min  
Lab File: BG044122.D  
Acq: 21 Jan 2020 7:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.1  | 77.2  | 115.8 |
| 141     | 39.2  | 33.1  | 49.7  |

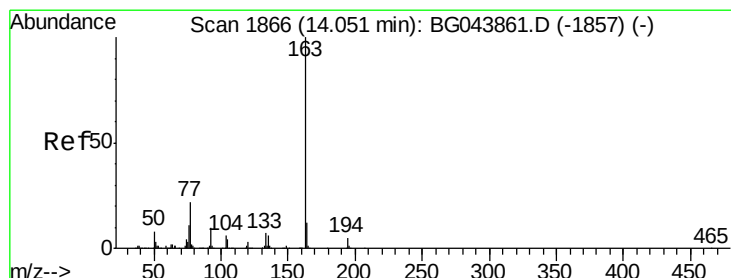
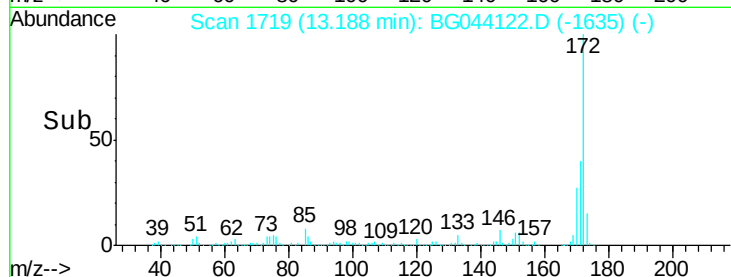
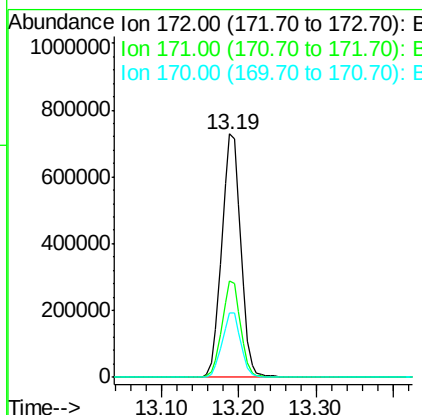
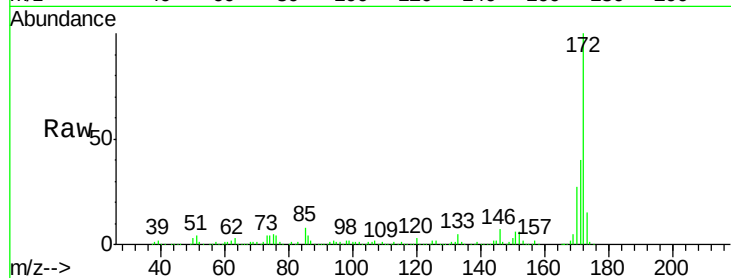




#45  
2-Fluorobiphenyl  
Concen: 95.271 ng  
RT: 13.19 min Scan# 1719  
Delta R.T. -0.04 min  
Lab File: BG044122.D  
Acq: 21 Jan 2020 7:35

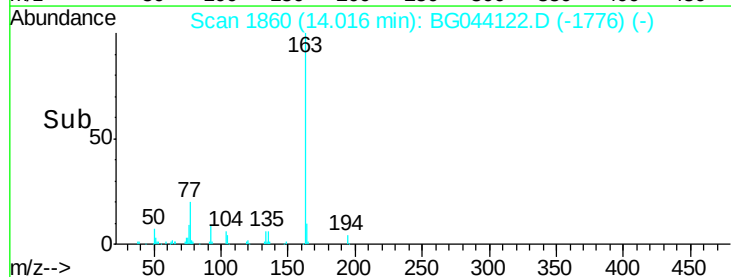
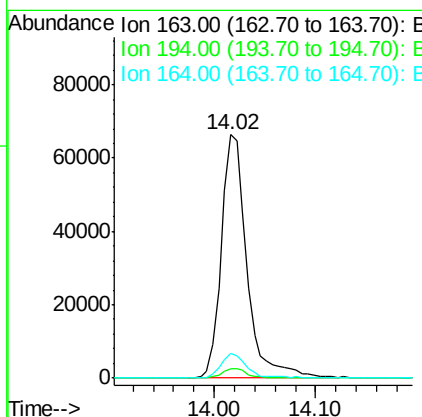
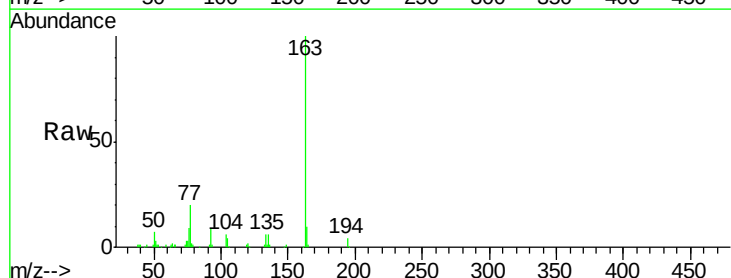
Instrument :  
BNA\_G  
ClientSampled :  
EP-6

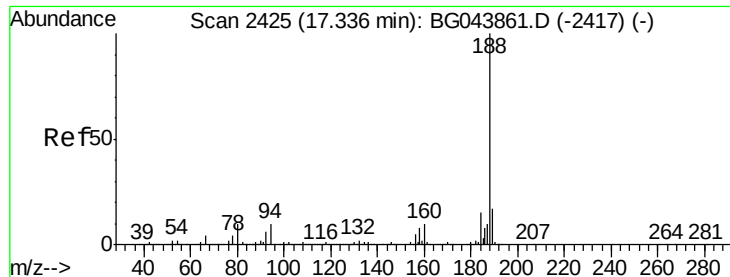
Tot Ion:172 Resp: 1250975  
Ion Ratio Lower Upper  
172 100  
171 39.9 35.8 53.8  
170 26.6 24.2 36.4



#50  
Dimethylphthalate  
Concen: 6.887 ng  
RT: 14.02 min Scan# 1860  
Delta R.T. -0.04 min  
Lab File: BG044122.D  
Acq: 21 Jan 2020 7:35

Tgt Ion:163 Resp: 116325  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.7 5.5  
164 10.4 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: BG044122.D

Acq: 21 Jan 2020 7:35

Instrument :

BNA\_G

ClientSampleId :

EP-6

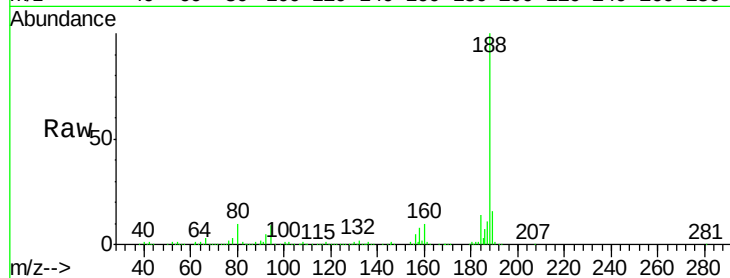
Tot Ion:188 Resp: 506908

Ion Ratio Lower Upper

188 100

94 9.1 7.9 11.9

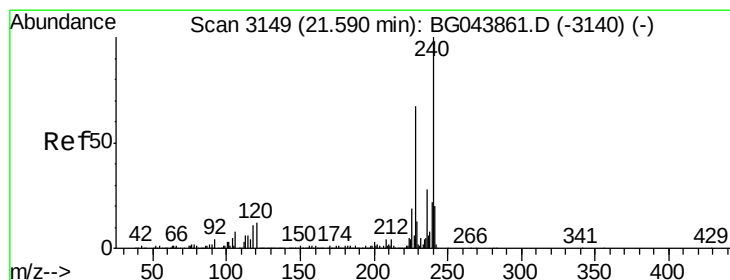
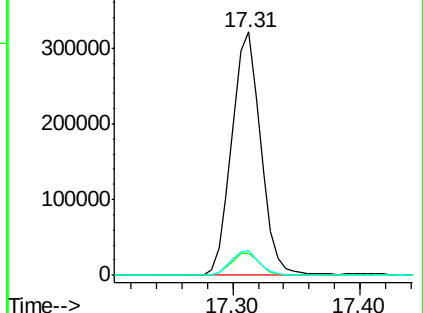
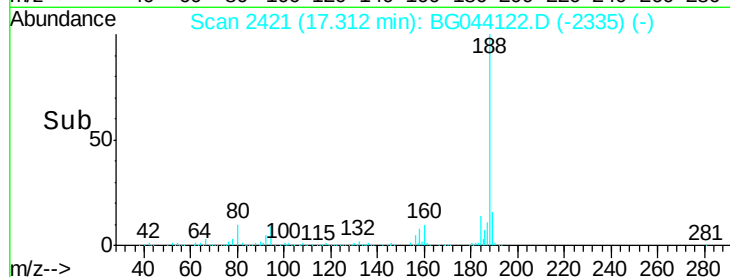
80 10.3 8.2 12.4



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: BG044122.D

Acq: 21 Jan 2020 7:35

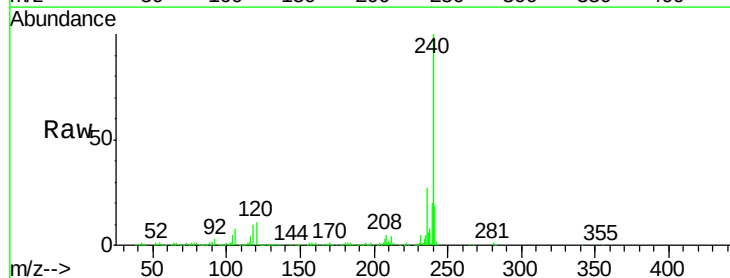
Tgt Ion:240 Resp: 429583

Ion Ratio Lower Upper

240 100

120 11.4 9.6 14.4

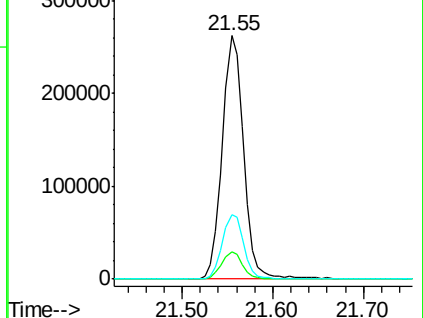
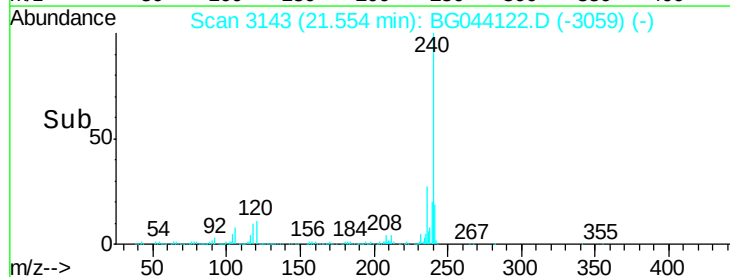
236 26.7 22.2 33.2



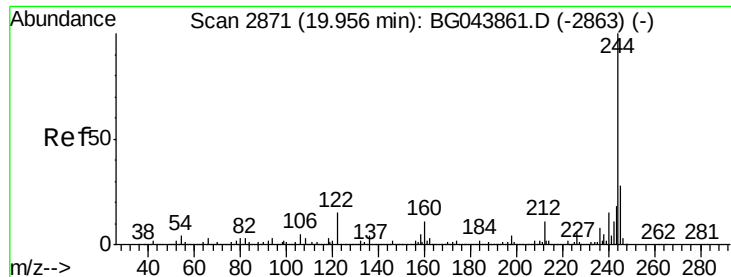
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#79

Terphenyl-d14

Concen: 107.820 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044122.D

Acq: 21 Jan 2020 7:35

Instrument :

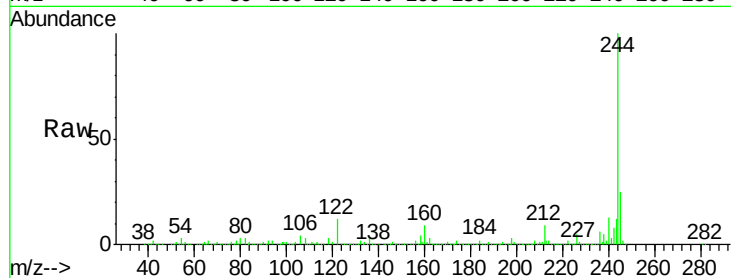
BNA\_G

ClientSampleId :

EP-6

Tot Ion:244 Resp: 1795477

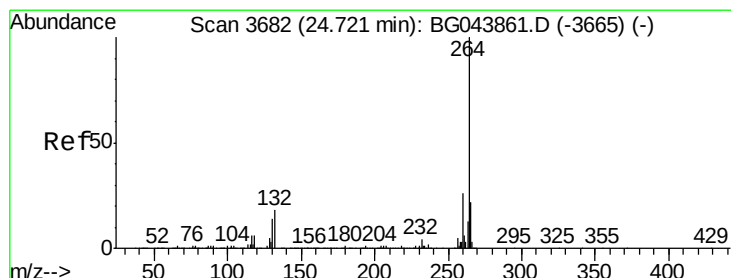
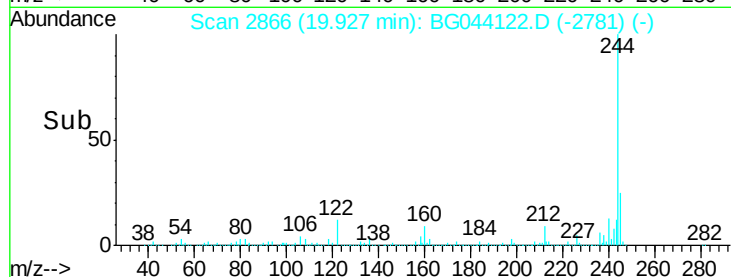
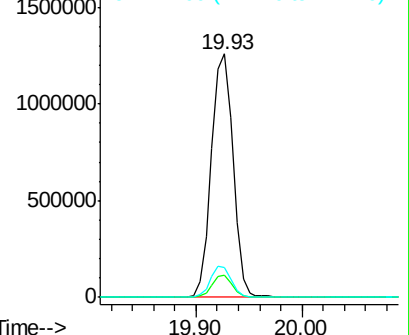
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.3   | 8.6   | 13.0  |
| 122 | 12.3  | 11.9  | 17.9  |



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

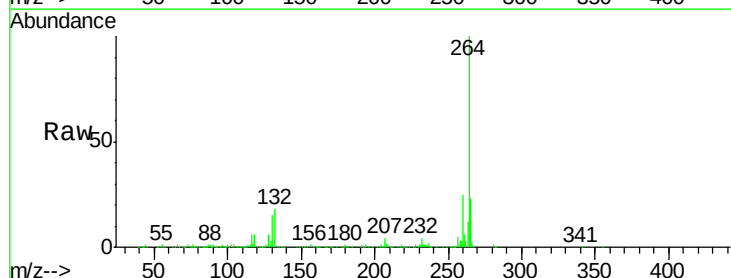
Delta R.T. -0.06 min

Lab File: BG044122.D

Acq: 21 Jan 2020 7:35

Tgt Ion:264 Resp: 474445

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.6  | 20.4  | 30.6  |
| 265 | 22.6  | 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

