

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103119\  
 Data File : BG043445.D  
 Acq On : 31 Oct 2019 22:16  
 Operator : JU  
 Sample : K5599-13  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 Z3-23A

Quant Time: Nov 01 05:25:19 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 21 16:37:43 2019  
 Response via : Initial Calibration

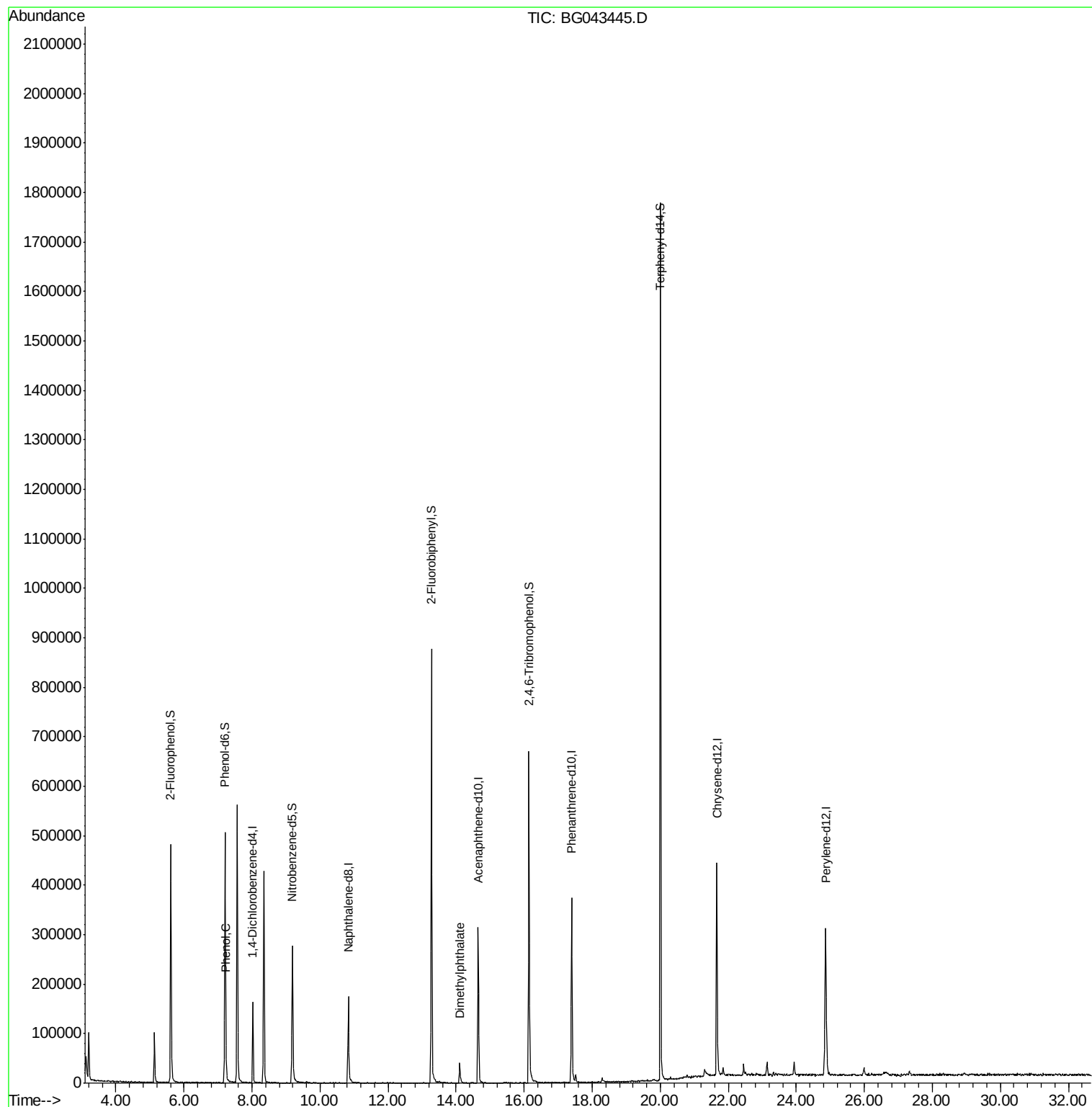
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.02  | 152  | 48530    | 20.00 | ng    | 0.00        |
| 21) Naphthalene-d8          | 10.83 | 136  | 181033   | 20.00 | ng    | 0.00        |
| 39) Acenaphthene-d10        | 14.65 | 164  | 123449   | 20.00 | ng    | 0.00        |
| 64) Phenanthrene-d10        | 17.39 | 188  | 288559   | 20.00 | ng    | 0.00        |
| 76) Chrysene-d12            | 21.67 | 240  | 303966   | 20.00 | ng    | 0.00        |
| 87) Perylene-d12            | 24.87 | 264  | 350721   | 20.00 | ng    | 0.00        |
| System Monitoring Compounds |       |      |          |       |       |             |
| 5) 2-Fluorophenol           | 5.61  | 112  | 231849   | 87.54 | ng    | 0.00        |
| 7) Phenol-d6                | 7.21  | 99   | 326780   | 85.76 | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 199974   | 56.95 | ng    | 0.00        |
| 42) 2,4,6-Tribromophenol    | 16.14 | 330  | 178016   | 75.78 | ng    | 0.00        |
| 45) 2-Fluorobiphenyl        | 13.28 | 172  | 532073   | 59.56 | ng    | 0.00        |
| 79) Terphenyl-d14           | 20.00 | 244  | 982442   | 60.64 | ng    | 0.00        |
| Target Compounds            |       |      |          |       |       |             |
| 10) Phenol                  | 7.24  | 94   | 8864     | 2.546 | ng    | Qvalue # 61 |
| 50) Dimethylphthalate       | 14.10 | 163  | 41508    | 4.341 | ng    | 97          |

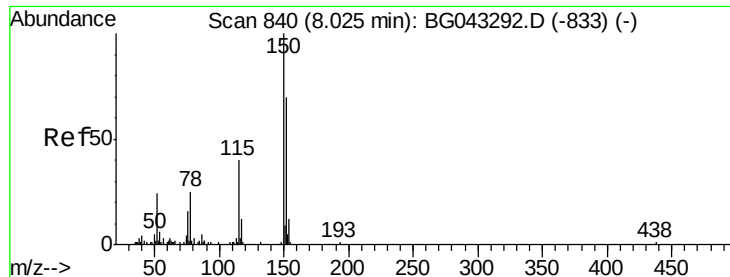
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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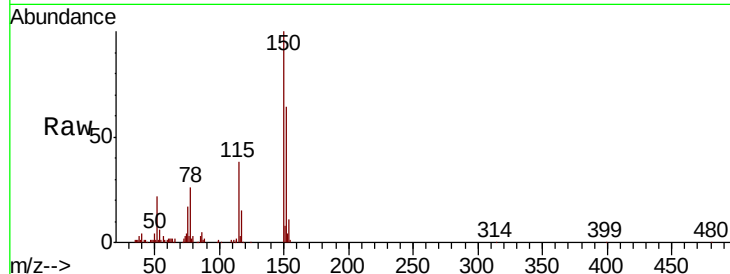


#1

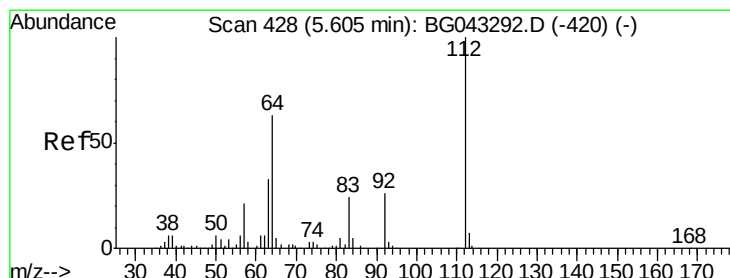
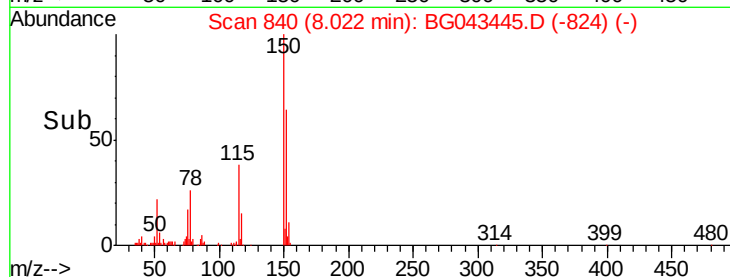
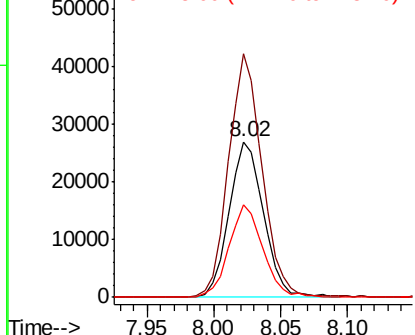
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.02 min Scan# 840  
Delta R.T. -0.00 min  
Lab File: BG043445.D  
Acq: 31 Oct 2019 22:16

Instrument :  
BNA\_G  
ClientSampled :  
Z3-23A

Tot Ion:152 Resp: 48530  
Ion Ratio Lower Upper  
152 100  
150 156.1 113.6 170.4  
115 59.5 45.9 68.9



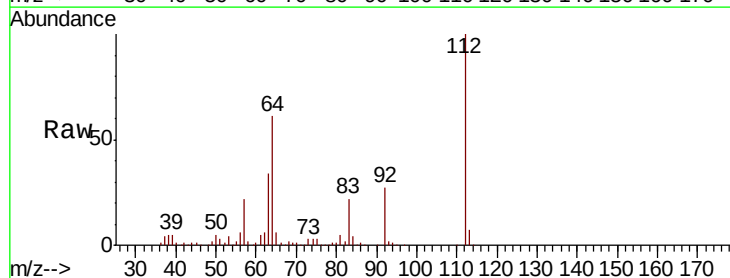
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



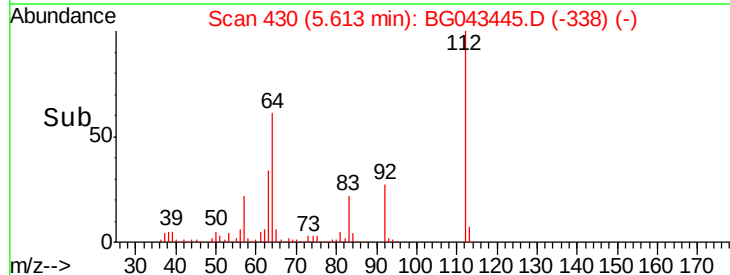
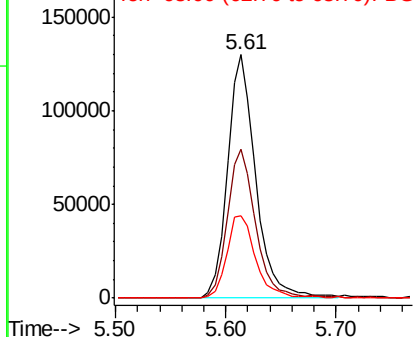
#5

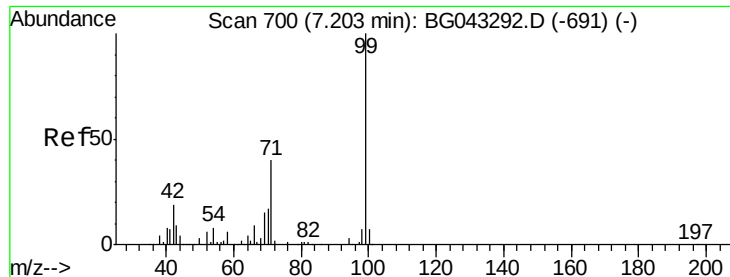
2-Fluorophenol  
Concen: 87.544 ng  
RT: 5.61 min Scan# 430  
Delta R.T. 0.01 min  
Lab File: BG043445.D  
Acq: 31 Oct 2019 22:16

Tgt Ion:112 Resp: 231849  
Ion Ratio Lower Upper  
112 100  
64 61.2 50.2 75.2  
63 34.1 26.7 40.1



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: 85.760 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG043445.D

Acq: 31 Oct 2019 22:16

Instrument :

BNA\_G

ClientSampleId :

Z3-23A

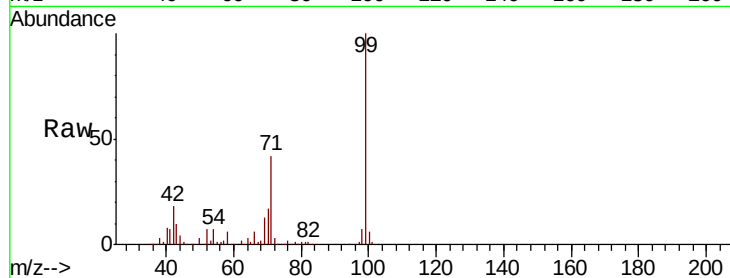
Tot Ion: 99 Resp: 326780

Ion Ratio Lower Upper

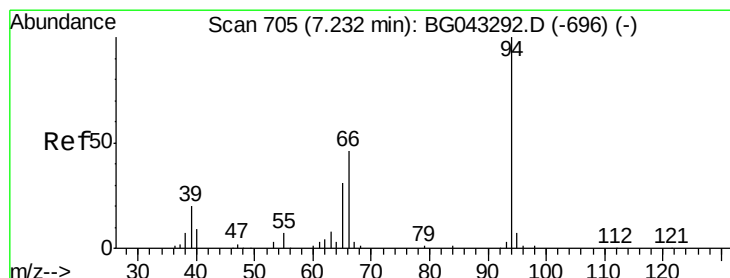
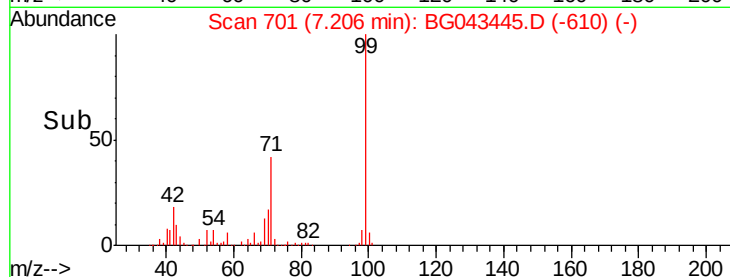
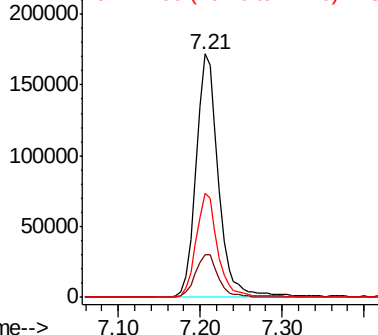
99 100

42 17.6 14.9 22.3

71 42.5 32.2 48.2



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: 2.546 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG043445.D

Acq: 31 Oct 2019 22:16

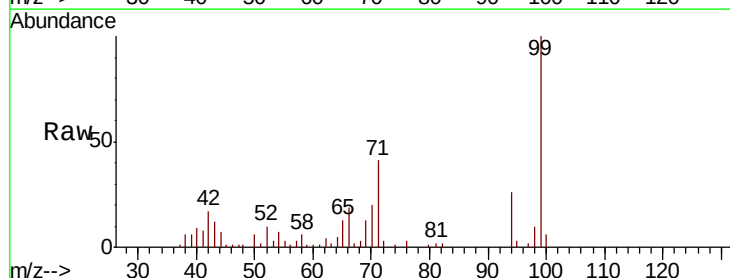
Tgt Ion: 94 Resp: 8864

Ion Ratio Lower Upper

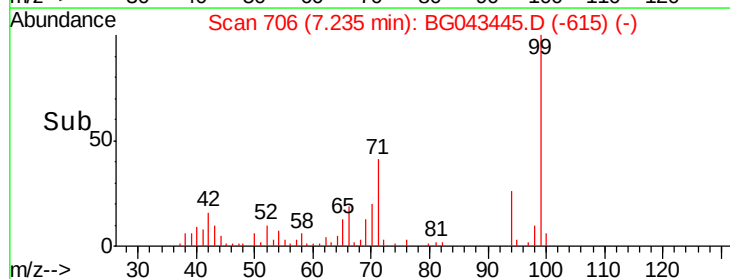
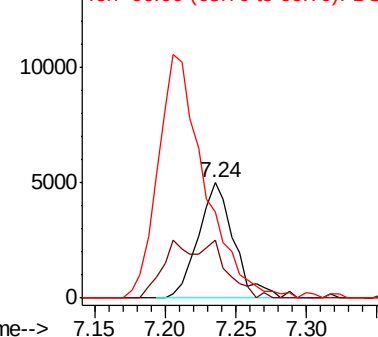
94 100

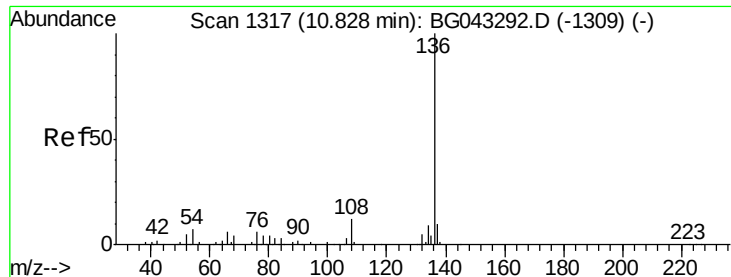
65 50.9 11.1 51.1

66 75.4 27.8 67.8#



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

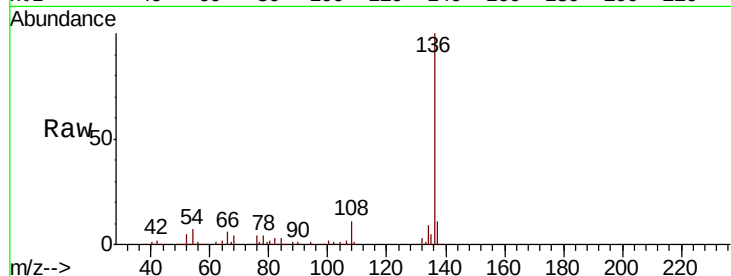




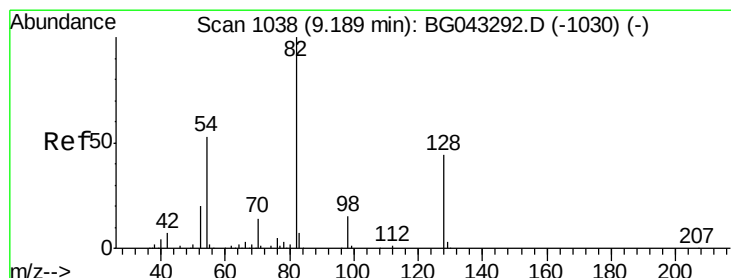
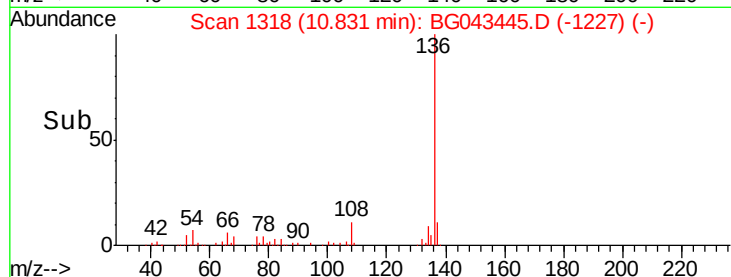
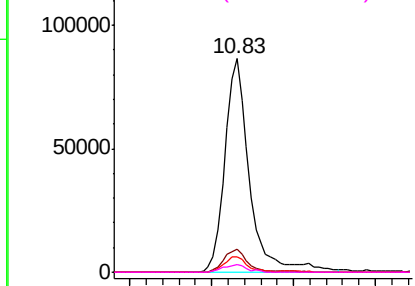
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.83 min Scan# 1318  
Delta R.T. 0.00 min  
Lab File: BG043445.D  
Acq: 31 Oct 2019 22:16

Instrument :  
BNA\_G  
ClientSampleId :  
Z3-23A

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 181033      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.7  | 8.2 12.2    |
| 54          | 7.4   | 5.4 8.2     |
| 68          | 3.8   | 3.3 4.9     |

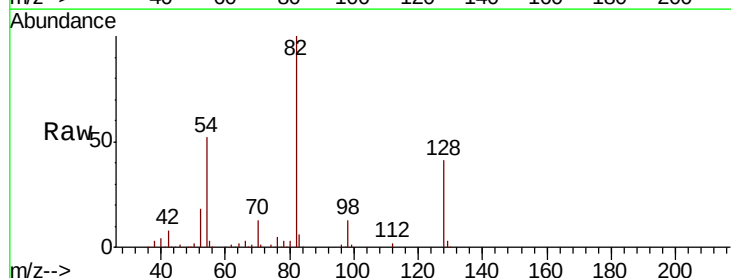


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

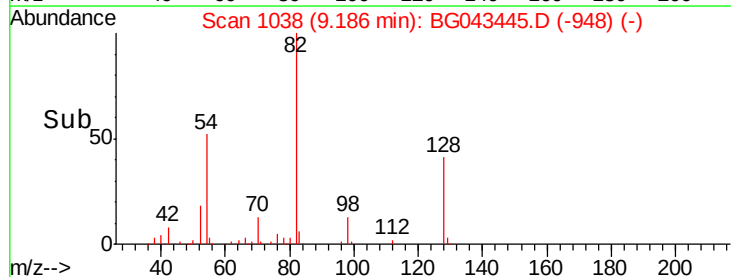
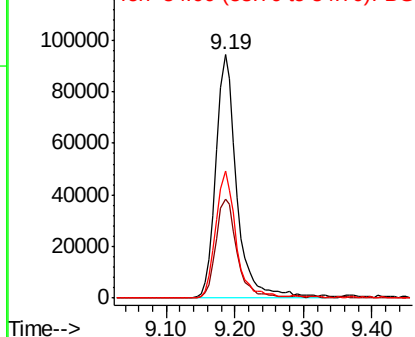


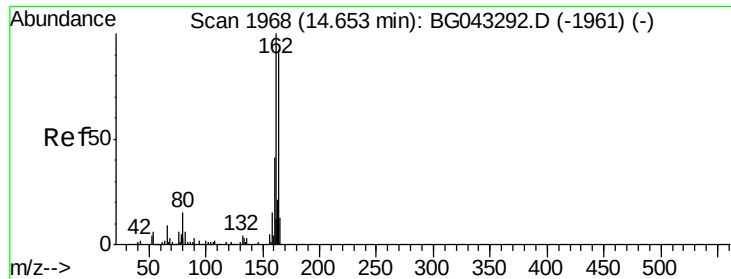
#23  
Nitrobenzene-d5  
Concen: 56.949 ng  
RT: 9.19 min Scan# 1038  
Delta R.T. -0.00 min  
Lab File: BG043445.D  
Acq: 31 Oct 2019 22:16

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 199974      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 40.9  | 35.3 52.9   |
| 54          | 52.1  | 42.3 63.5   |



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

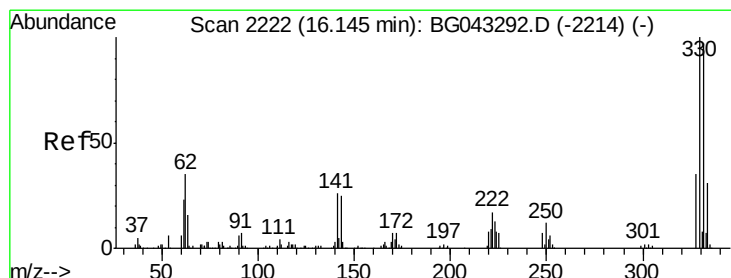
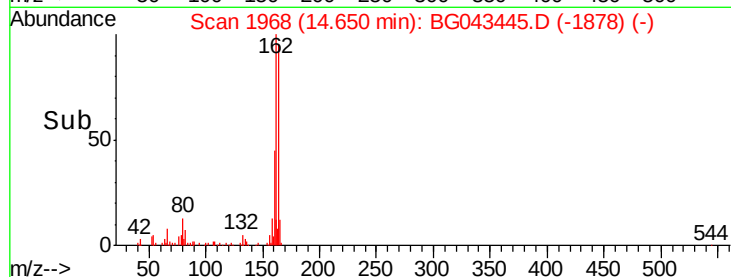
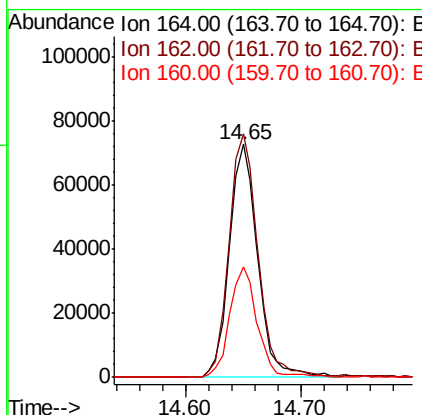
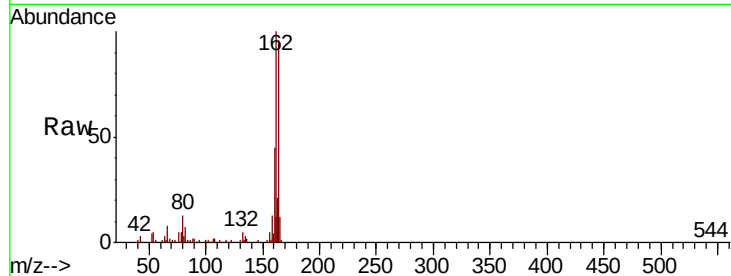




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.65 min Scan# 1968  
Delta R.T. -0.00 min  
Lab File: BG043445.D  
Acq: 31 Oct 2019 22:16

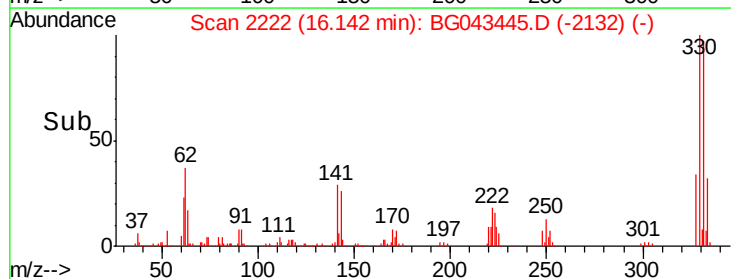
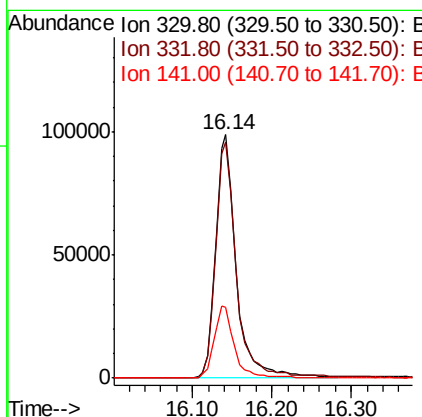
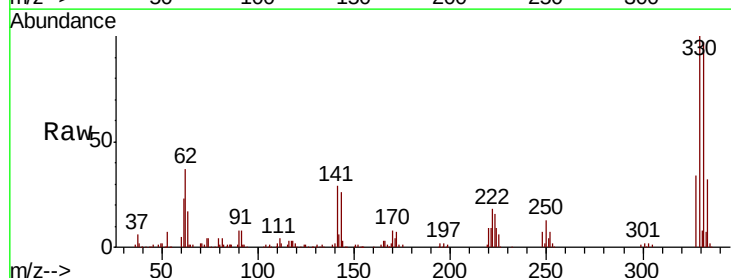
Instrument :  
BNA\_G  
ClientSampleId :  
Z3-23A

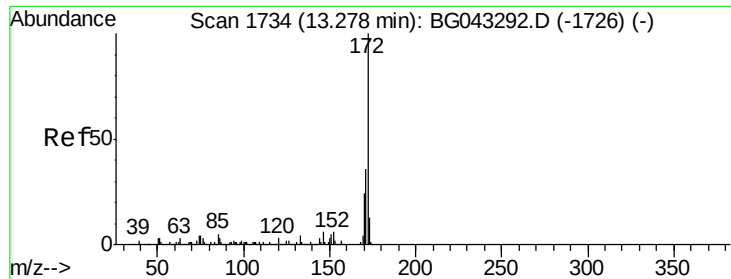
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.4 | 87.0  | 130.4 |
| 160     | 47.3  | 35.5  | 53.3  |



#42  
2,4,6-Tribromophenol  
Concen: 75.776 ng  
RT: 16.14 min Scan# 2222  
Delta R.T. -0.00 min  
Lab File: BG043445.D  
Acq: 31 Oct 2019 22:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.4  | 76.4  | 114.6 |
| 141     | 28.9  | 21.4  | 32.0  |

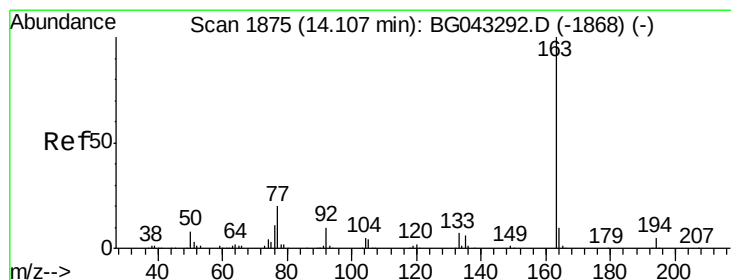
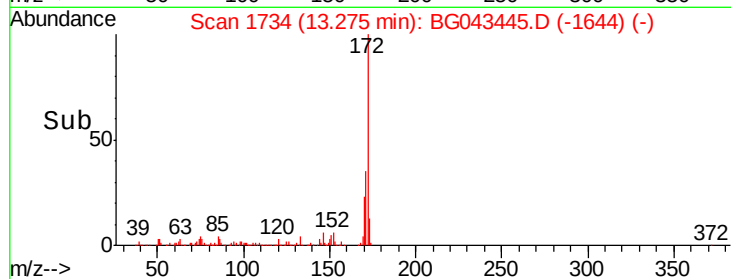
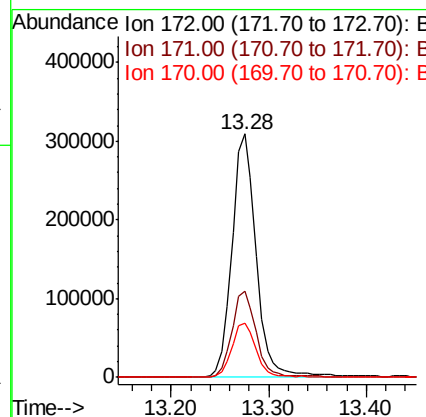
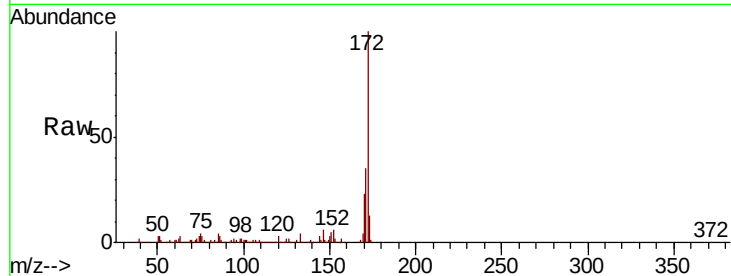




#45  
 2-Fluorobiphenyl  
 Concen: 59.557 ng  
 RT: 13.28 min Scan# 1734  
 Delta R.T. -0.00 min  
 Lab File: BG043445.D  
 Acq: 31 Oct 2019 22:16

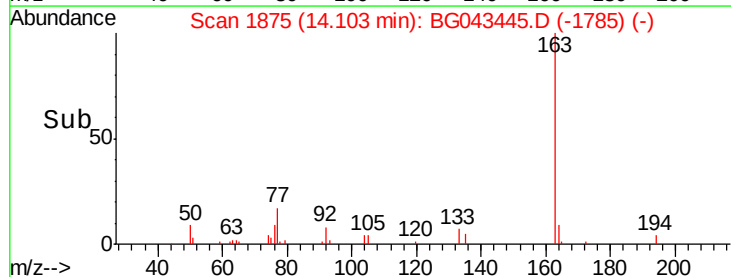
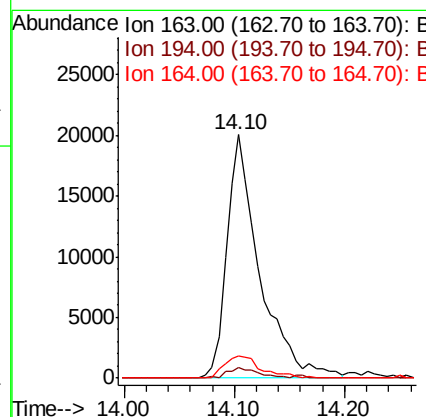
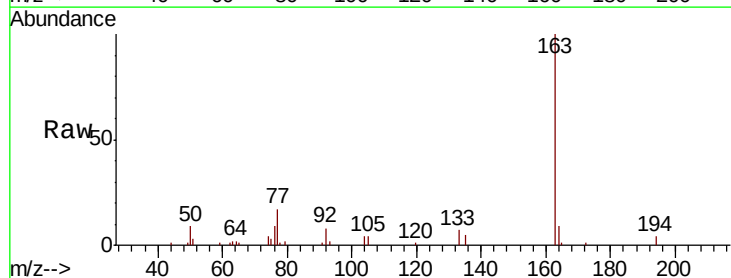
Instrument :  
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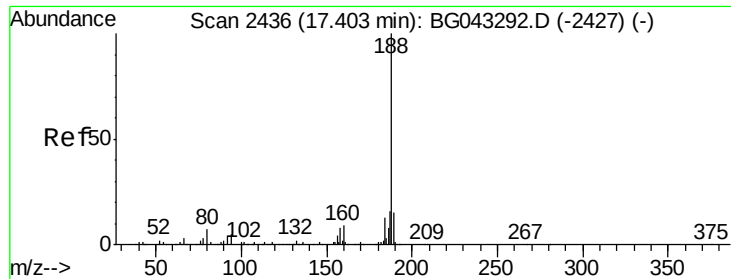
Tot Ion:172 Resp: 532073  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 28.5 42.7  
 170 22.5 18.8 28.2



#50  
 Dimethylphthalate  
 Concen: 4.341 ng  
 RT: 14.10 min Scan# 1875  
 Delta R.T. -0.00 min  
 Lab File: BG043445.D  
 Acq: 31 Oct 2019 22:16

Tgt Ion:163 Resp: 41508  
 Ion Ratio Lower Upper  
 163 100  
 194 4.3 3.7 5.5  
 164 8.9 8.1 12.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043445.D

Acq: 31 Oct 2019 22:16

Instrument :

BNA\_G

ClientSampleId :

Z3-23A

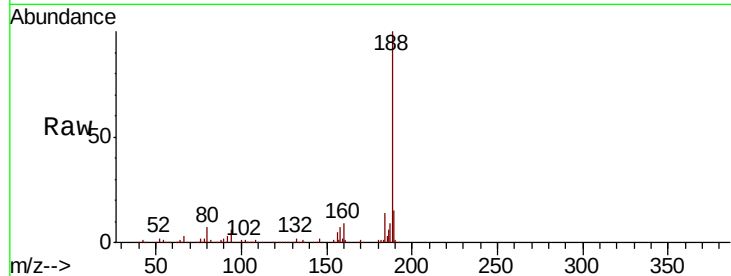
Tot Ion:188 Resp: 288559

Ion Ratio Lower Upper

188 100

94 5.5 4.2 6.2

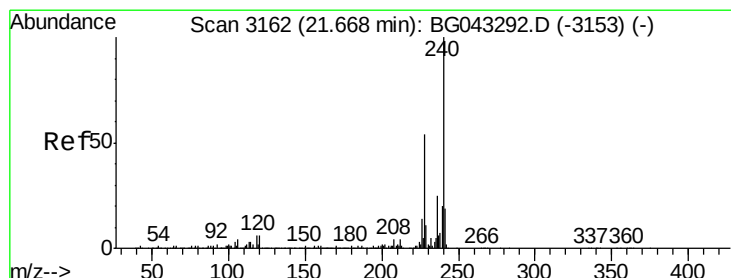
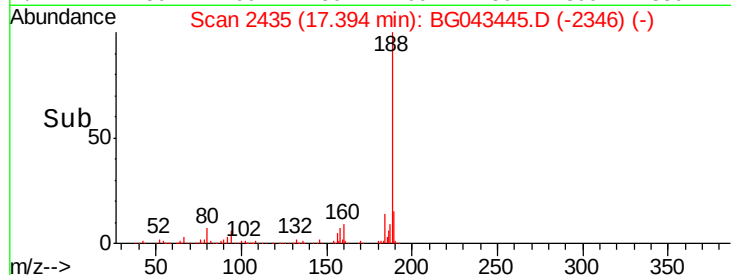
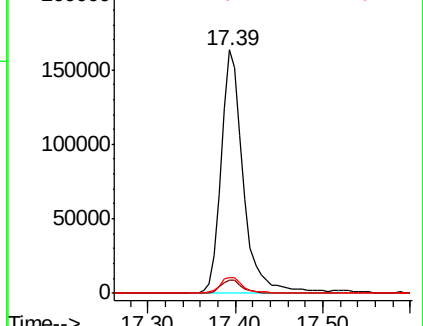
80 6.6 5.2 7.8



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: 21.67 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG043445.D

Acq: 31 Oct 2019 22:16

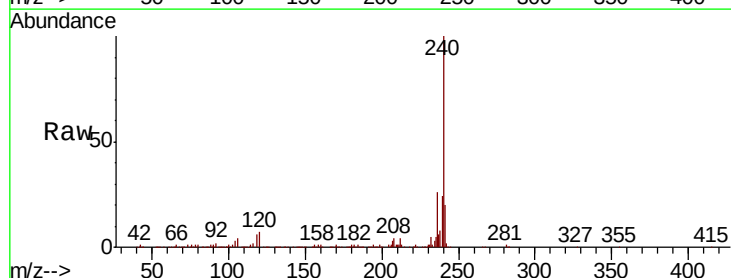
Tgt Ion:240 Resp: 303966

Ion Ratio Lower Upper

240 100

120 6.6 4.6 7.0

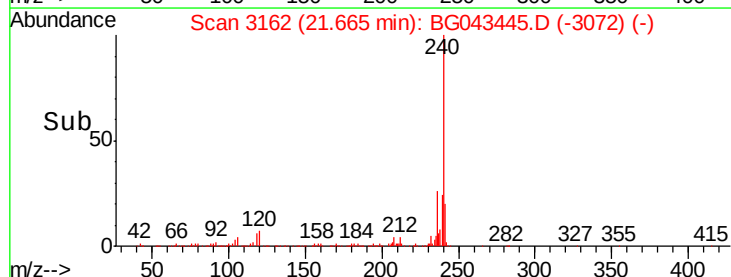
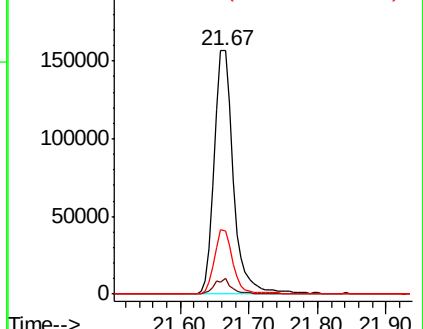
236 26.1 20.2 30.4



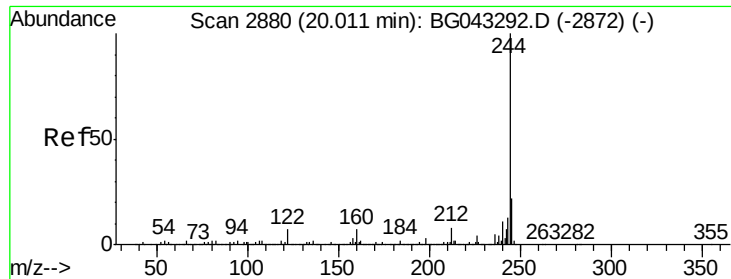
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#79

Terphenyl-d14

Concen: 60.636 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043445.D

Acq: 31 Oct 2019 22:16

Instrument :

BNA\_G

ClientSampleId :

Z3-23A

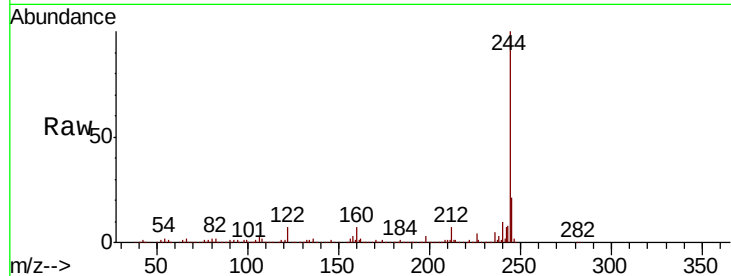
Tot Ion:244 Resp: 982442

Ion Ratio Lower Upper

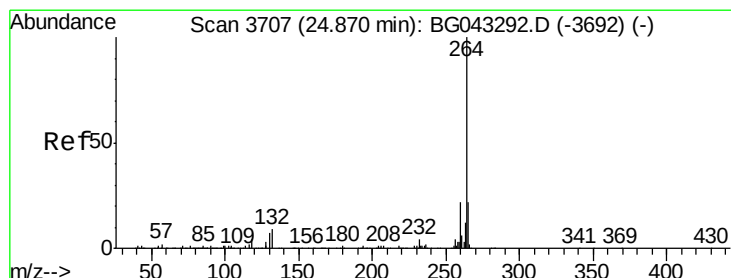
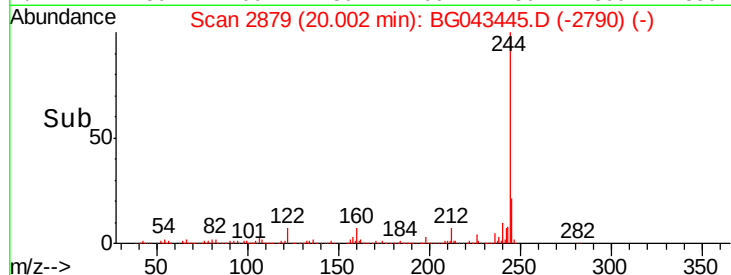
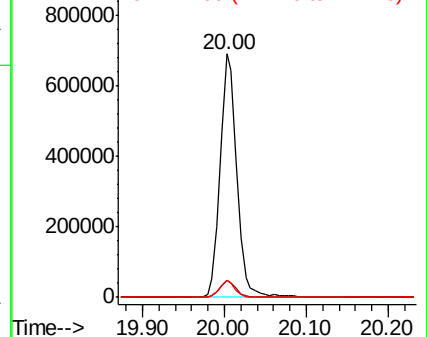
244 100

212 7.2 6.4 9.6

122 6.9 5.3 7.9



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: 24.87 min Scan# 3707

Delta R.T. -0.00 min

Lab File: BG043445.D

Acq: 31 Oct 2019 22:16

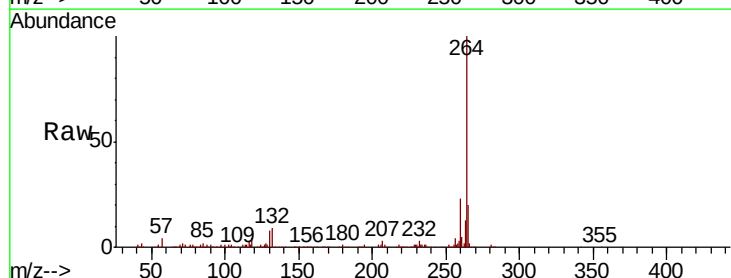
Tgt Ion:264 Resp: 350721

Ion Ratio Lower Upper

264 100

260 23.0 17.9 26.9

265 19.5 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

