

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090320\  
 Data File : BG046518.D  
 Acq On : 3 Sep 2020 16:06  
 Operator : CG/JU  
 Sample : L3836-05  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PE-5

Quant Time: Sep 03 17:02:28 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 02 15:06:53 2020  
 Response via : Initial Calibration

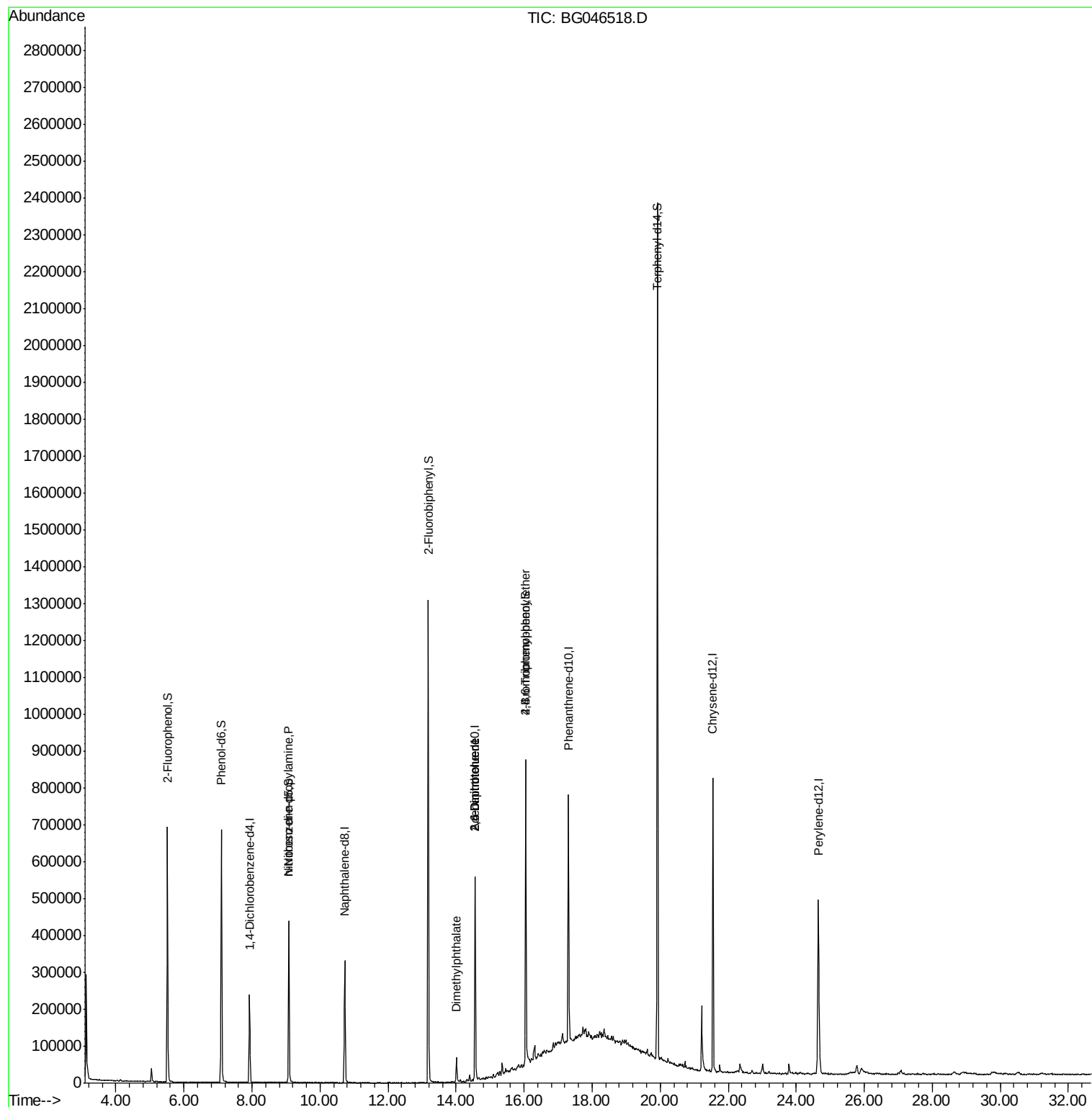
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.93  | 152  | 74812    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.73 | 136  | 314746   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.56 | 164  | 211481   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.30 | 188  | 462364   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.55 | 240  | 497052   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 24.65 | 264  | 509629   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.51  | 112  | 334257   | 79.14  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.10  | 99   | 435153   | 72.67  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.08  | 82   | 287915   | 52.28  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.05 | 330  | 180616   | 63.03  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.18 | 172  | 737045   | 53.20  | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.92 | 244  | 1097903  | 47.01  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.08  | 70   | 36034    | 10.061 | ng    | # 75     |
| 50) Dimethylphthalate          | 14.01 | 163  | 58759    | 3.591  | ng    | # 98     |
| 51) 2,6-Dinitrotoluene         | 14.56 | 165  | 28090    | 7.789  | ng    | # 33     |
| 57) 2,4-Dinitrotoluene         | 14.56 | 165  | 28089    | 5.462  | ng    | # 33     |
| 67) 4-Bromophenyl-phenylether  | 16.05 | 248  | 13787    | 2.556  | ng    | # 1      |

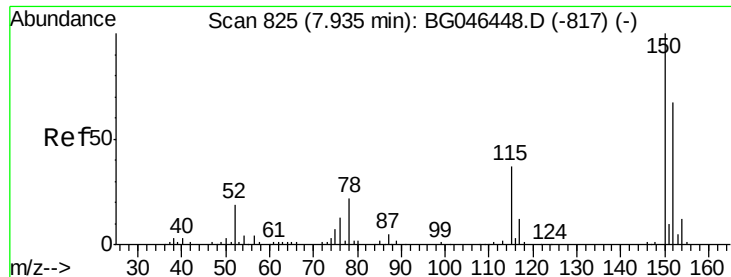
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090320\  
Data File : BG046518.D  
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Misc :  
ALS Vial : 5 Sample Multiplier: 1

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Quant Time: Sep 03 17:02:28 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 02 15:06:53 2020  
Response via : Initial Calibration



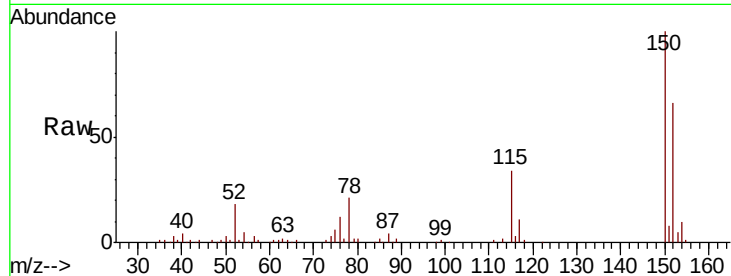


#1

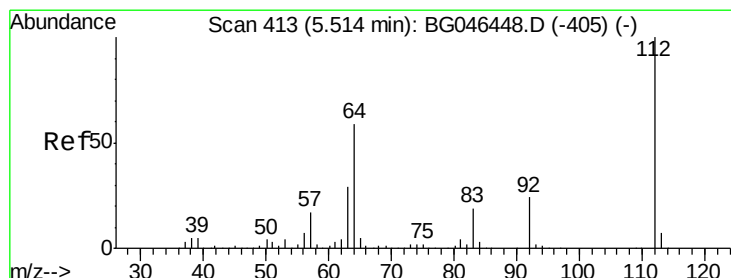
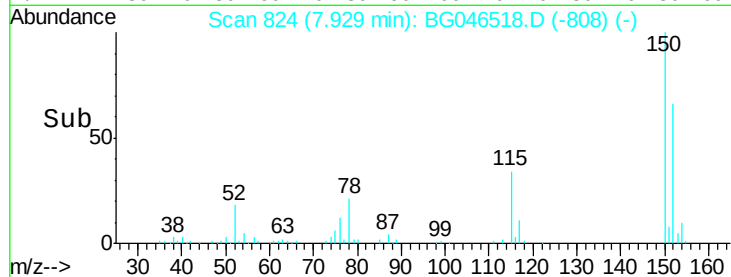
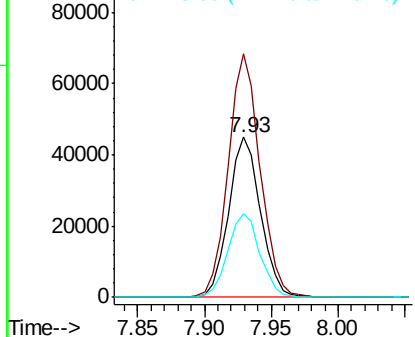
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.93 min Scan# 824  
Delta R.T. -0.01 min  
Lab File: BG046518.D  
Acq: 3 Sep 2020 16:06

Instrument :  
BNA\_G  
ClientSampleId :  
PE-5

Tot Ion:152 Resp: 74812  
Ion Ratio Lower Upper  
152 100  
150 152.0 119.5 179.3  
115 52.0 44.3 66.5



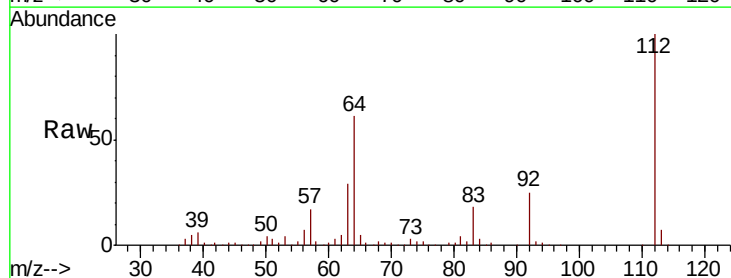
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



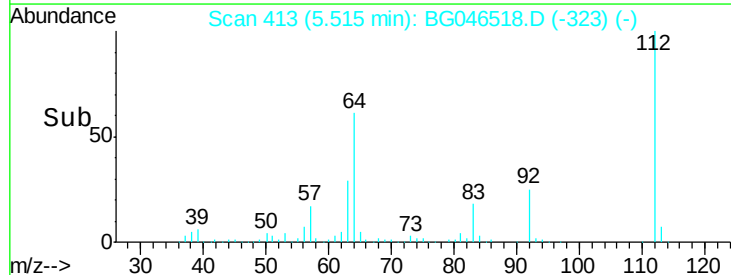
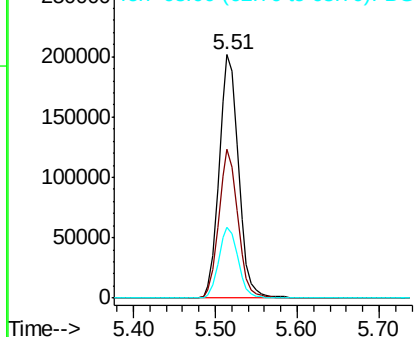
#5

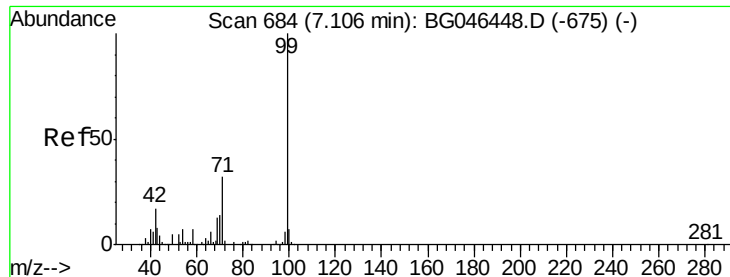
2-Fluorophenol  
Concen: 79.136 ng  
RT: 5.51 min Scan# 413  
Delta R.T. 0.00 min  
Lab File: BG046518.D  
Acq: 3 Sep 2020 16:06

Tgt Ion:112 Resp: 334257  
Ion Ratio Lower Upper  
112 100  
64 61.2 47.0 70.6  
63 29.3 23.5 35.3



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: 72.674 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.01 min

Lab File: BG046518.D

Acq: 3 Sep 2020 16:06

Instrument :

BNA\_G

ClientSampleId :

PE-5

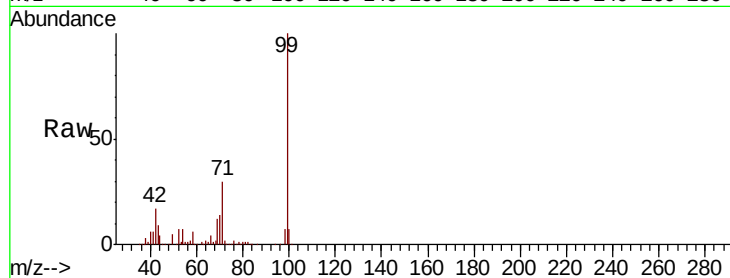
Tot Ion: 99 Resp: 435153

Ion Ratio Lower Upper

99 100

42 16.8 13.3 19.9

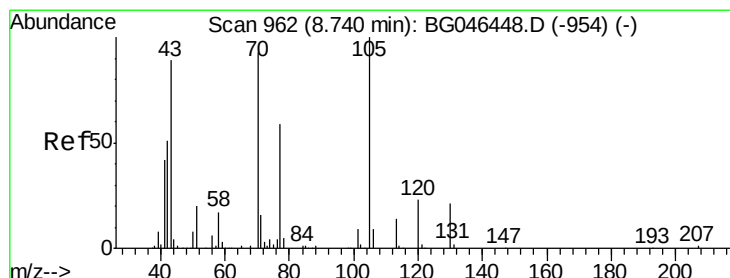
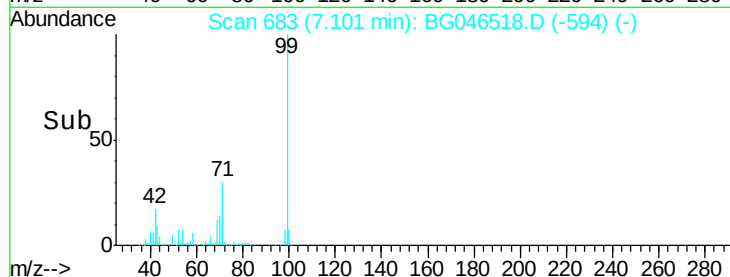
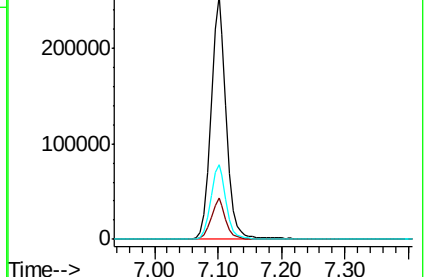
71 30.4 25.3 37.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.061 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.35 min

Lab File: BG046518.D

Acq: 3 Sep 2020 16:06

Tgt Ion: 70 Resp: 36034

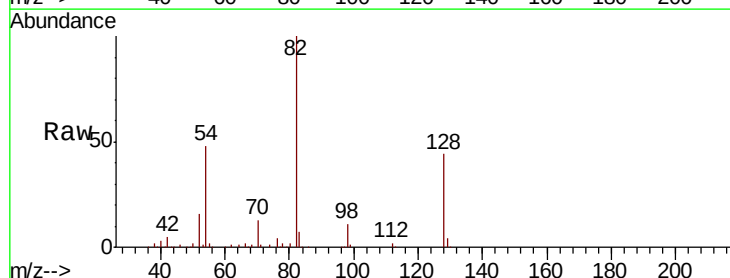
Ion Ratio Lower Upper

70 100

42 42.6 44.2 66.2#

101 0.0 7.8 11.8#

130 2.0 18.2 27.4#

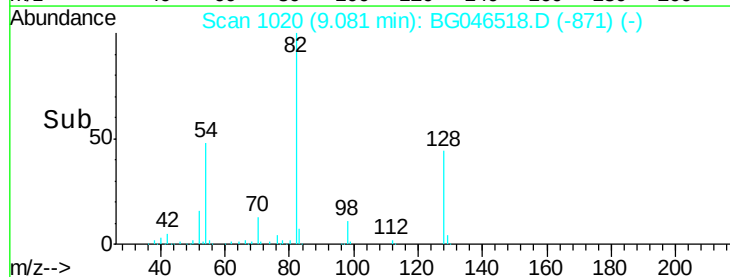
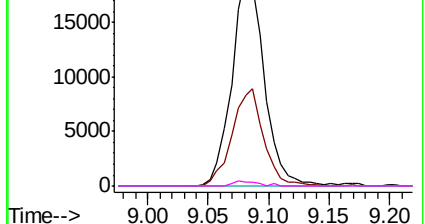


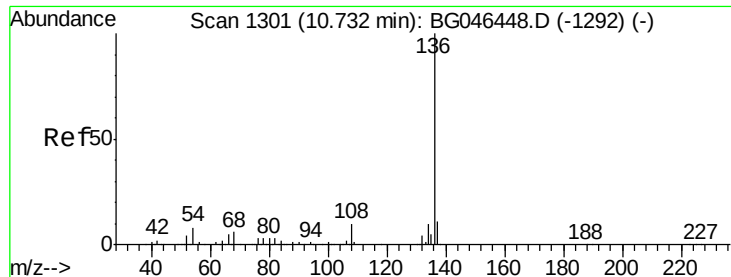
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

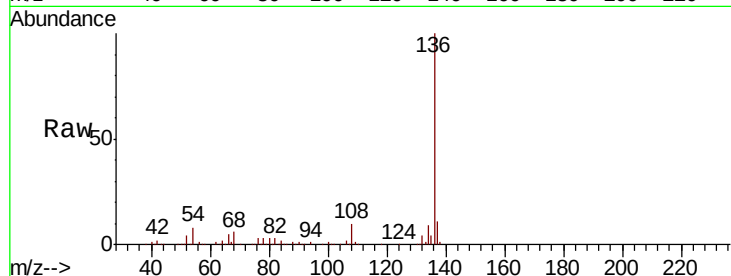




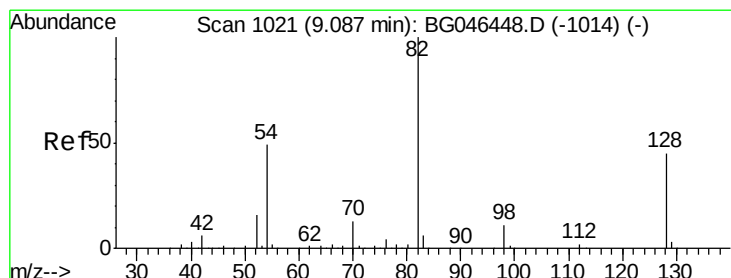
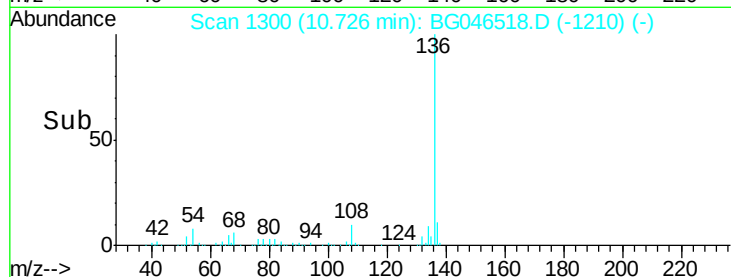
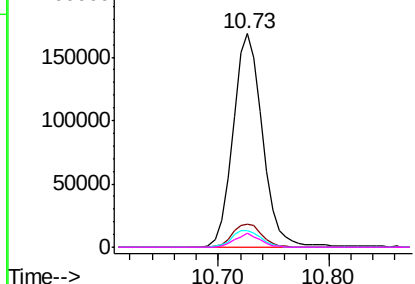
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.73 min Scan# 1300  
Delta R.T. 0.00 min  
Lab File: BG046518.D  
Acq: 3 Sep 2020 16:06

Instrument :  
BNA\_G  
ClientSampleId :  
PE-5

|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 314746 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 11.1    | 8.8   | 13.2   |
| 54 7.7      | 6.1   | 9.1    |
| 68 6.4      | 4.8   | 7.2    |

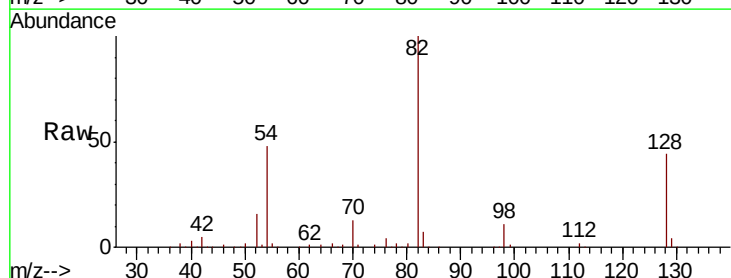


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

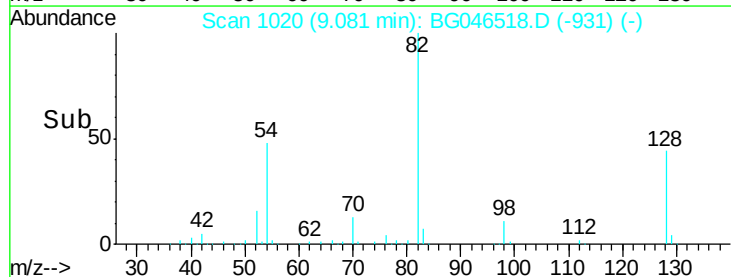
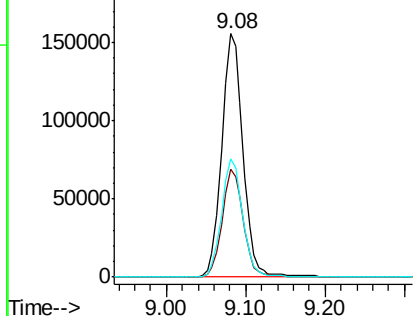


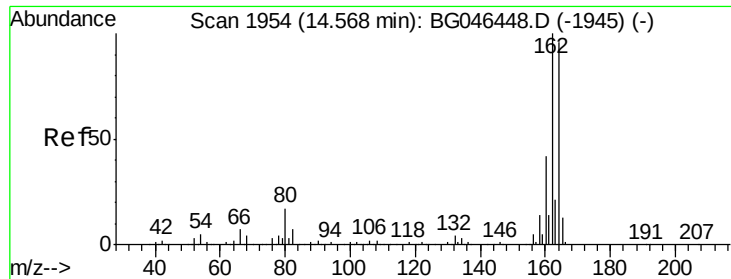
#23  
Nitrobenzene-d5  
Concen: 52.283 ng  
RT: 9.08 min Scan# 1020  
Delta R.T. -0.01 min  
Lab File: BG046518.D  
Acq: 3 Sep 2020 16:06

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 82 | Resp: | 287915 |
| Ion | Ratio   | Lower | Upper  |
| 82  | 100     |       |        |
| 128 | 44.4    | 35.7  | 53.5   |
| 54  | 48.5    | 39.4  | 59.0   |



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: 14.56 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BG046518.D

Acq: 3 Sep 2020 16:06

Instrument :

BNA\_G

ClientSampleId :

PE-5

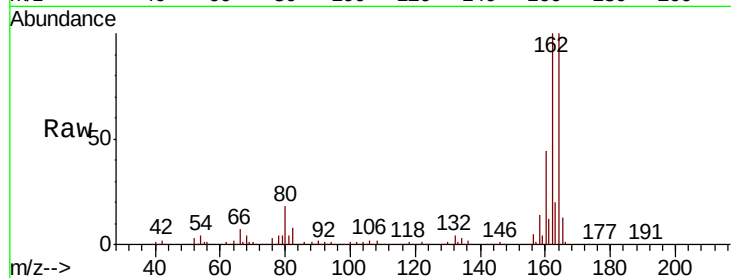
Tot Ion:164 Resp: 211481

Ion Ratio Lower Upper

164 100

162 100.1 83.3 124.9

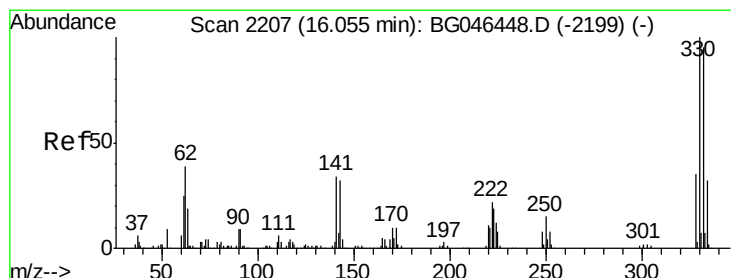
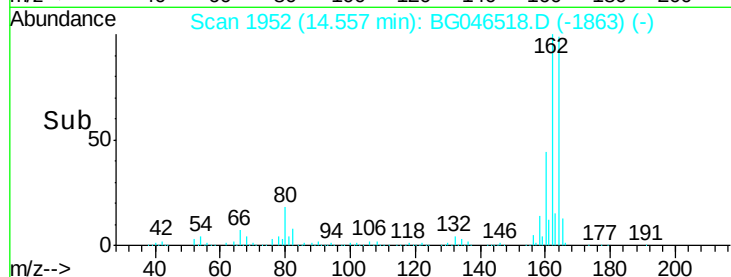
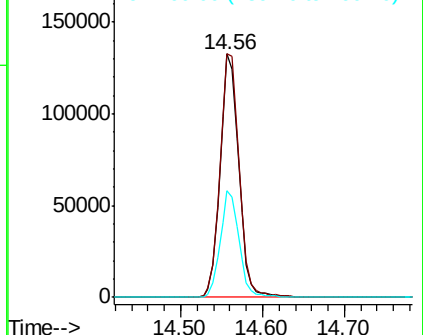
160 43.8 35.0 52.6



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: 63.033 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BG046518.D

Acq: 3 Sep 2020 16:06

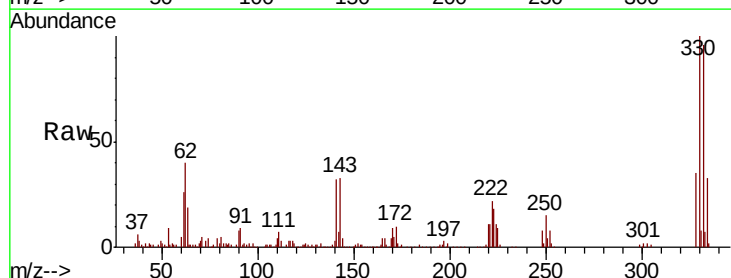
Tgt Ion:330 Resp: 180616

Ion Ratio Lower Upper

330 100

332 95.0 76.1 114.1

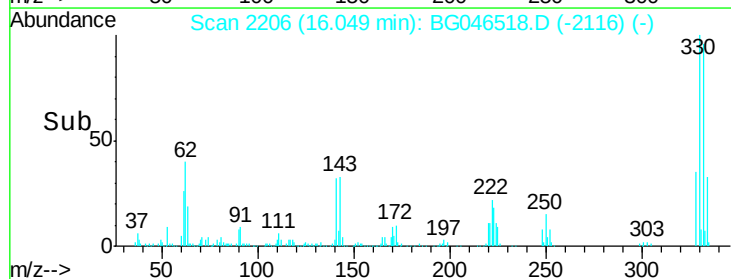
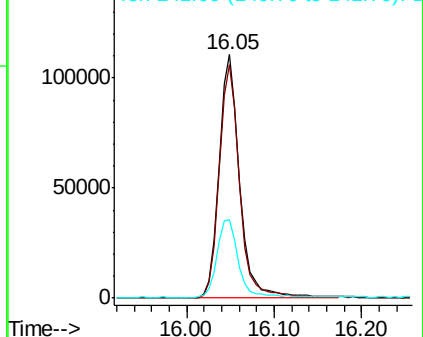
141 33.9 26.1 39.1

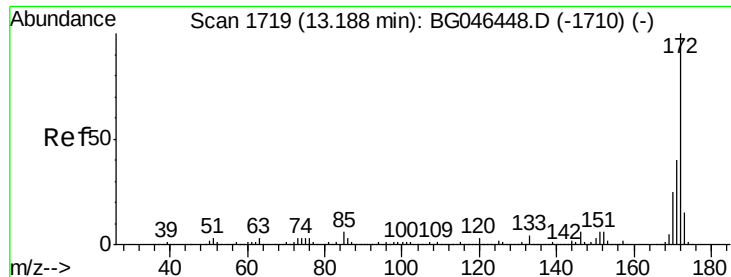


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

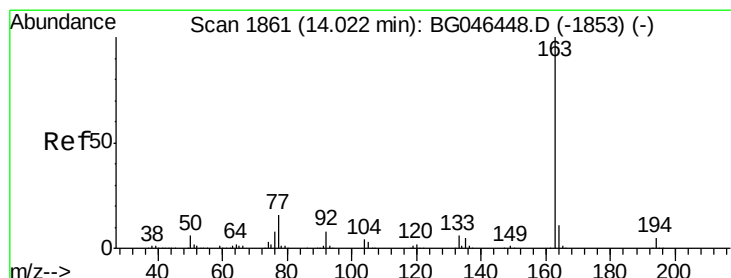
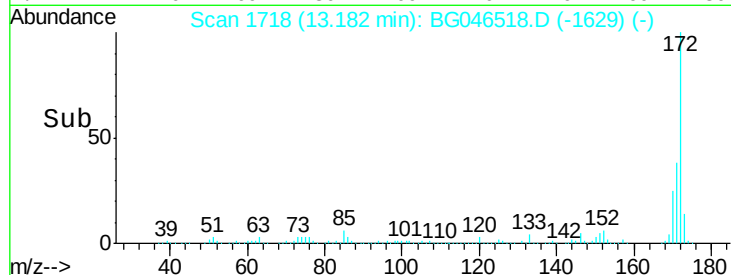
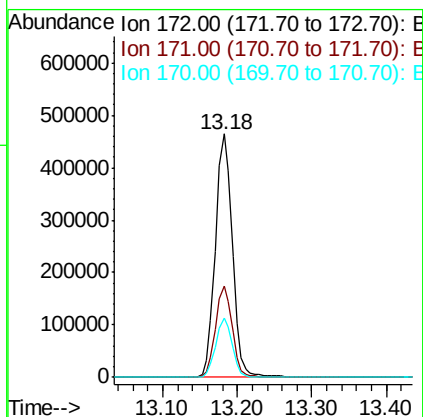
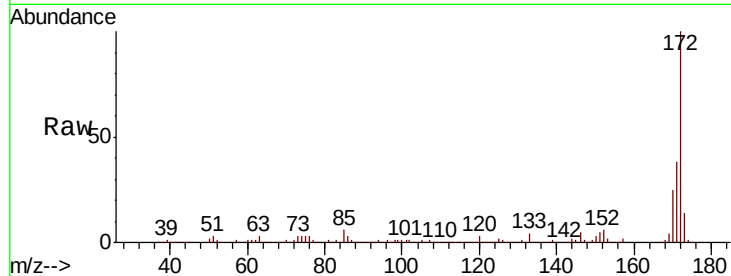




#45  
2-Fluorobiphenyl  
Concen: 53.203 ng  
RT: 13.18 min Scan# 1718  
Delta R.T. -0.01 min  
Lab File: BG046518.D  
Acq: 3 Sep 2020 16:06

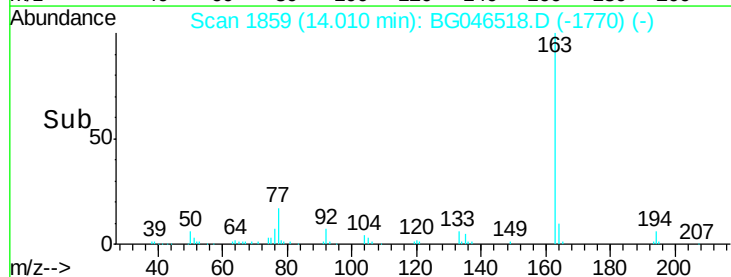
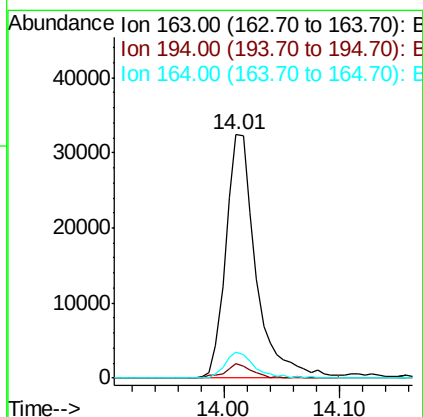
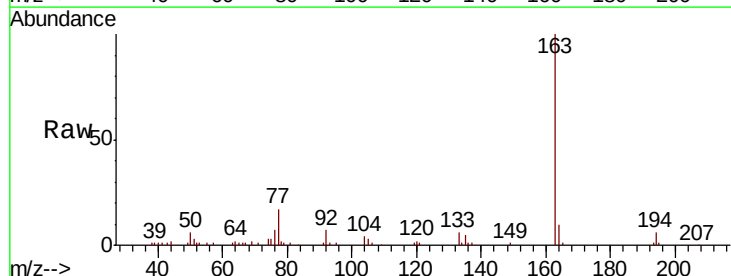
Instrument :  
BNA\_G  
ClientSampleId :  
PE-5

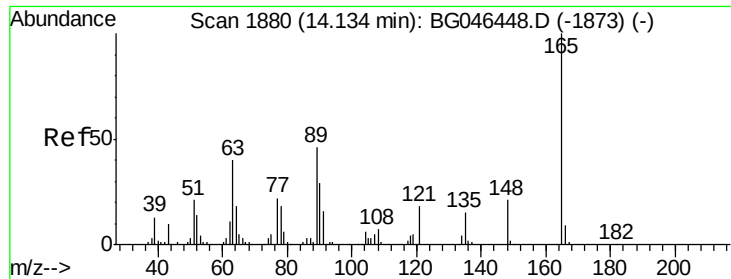
Tot Ion:172 Resp: 737045  
Ion Ratio Lower Upper  
172 100  
171 37.5 31.8 47.6  
170 24.6 20.3 30.5



#50  
Dimethylphthalate  
Concen: 3.591 ng  
RT: 14.01 min Scan# 1859  
Delta R.T. -0.01 min  
Lab File: BG046518.D  
Acq: 3 Sep 2020 16:06

Tgt Ion:163 Resp: 58759  
Ion Ratio Lower Upper  
163 100  
194 5.9 3.7 5.5#  
164 10.5 8.6 12.8





#51

2,6-Dinitrotoluene

Concen: 7.789 ng

RT: 14.56 min Scan# 1953

Delta R.T. 0.43 min

Lab File: BG046518.D

Acq: 3 Sep 2020 16:06

Instrument :

BNA\_G

ClientSampleId :

PE-5

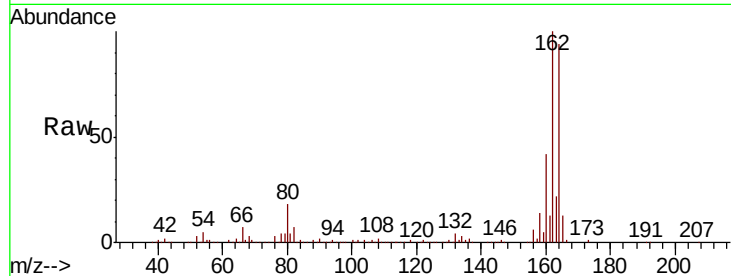
Tot Ion:165 Resp: 28090

Ion Ratio Lower Upper

165 100

63 1.1 34.2 51.4#

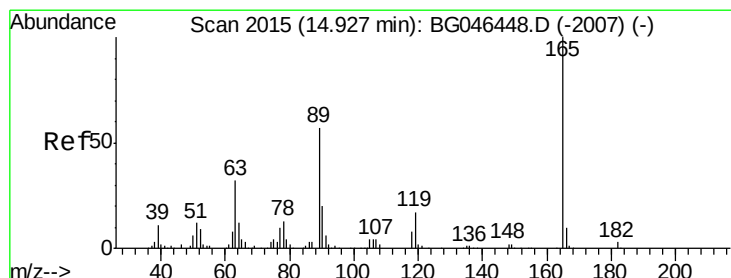
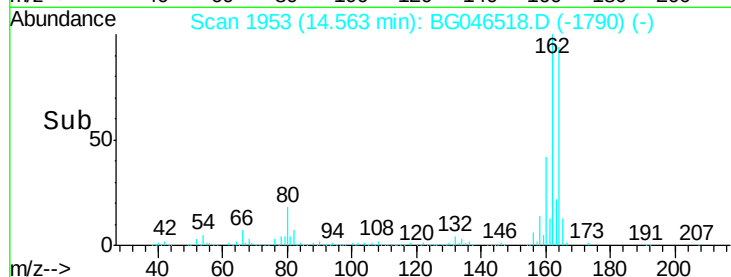
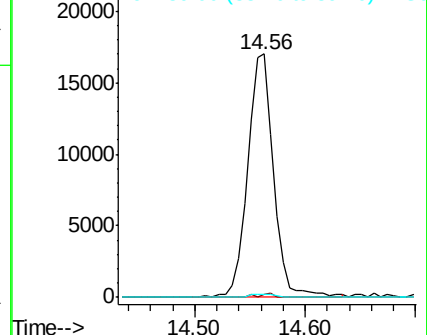
89 1.1 37.0 55.4#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#57

2,4-Dinitrotoluene

Concen: 5.462 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.36 min

Lab File: BG046518.D

Acq: 3 Sep 2020 16:06

Tgt Ion:165 Resp: 28089

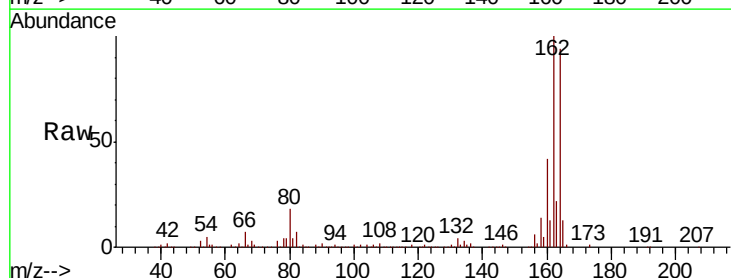
Ion Ratio Lower Upper

165 100

63 1.1 25.4 38.0#

89 1.1 45.9 68.9#

182 0.0 2.3 3.5#

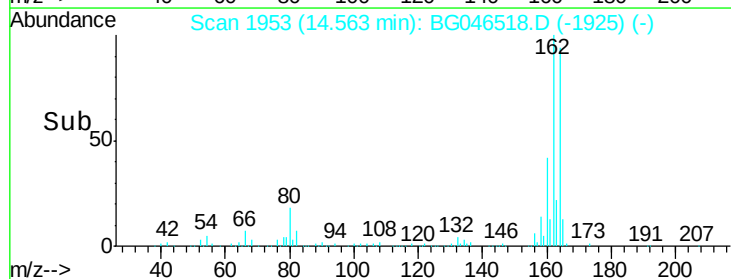
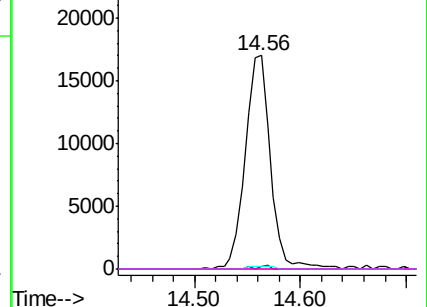


Abundance Ion 165.00 (164.70 to 165.70): E

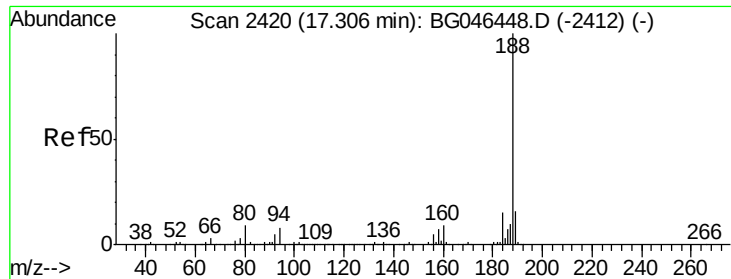
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.30 min Scan# 2419

Delta R.T. -0.01 min

Lab File: BG046518.D

Acq: 3 Sep 2020 16:06

Instrument :

BNA\_G

ClientSampleId :

PE-5

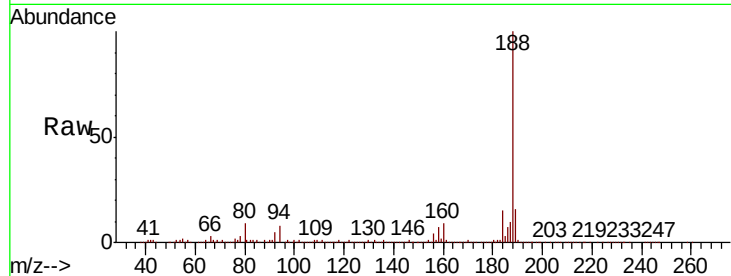
Tot Ion:188 Resp: 462364

Ion Ratio Lower Upper

188 100

94 8.2 6.3 9.5

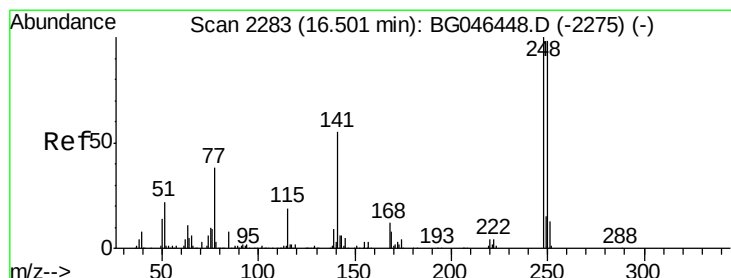
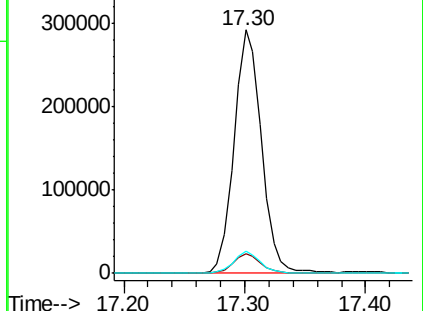
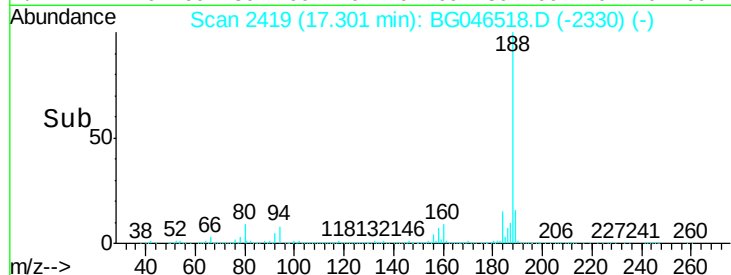
80 9.0 6.9 10.3



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



#67

4-Bromophenyl-phenylether

Concen: 2.556 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.45 min

Lab File: BG046518.D

Acq: 3 Sep 2020 16:06

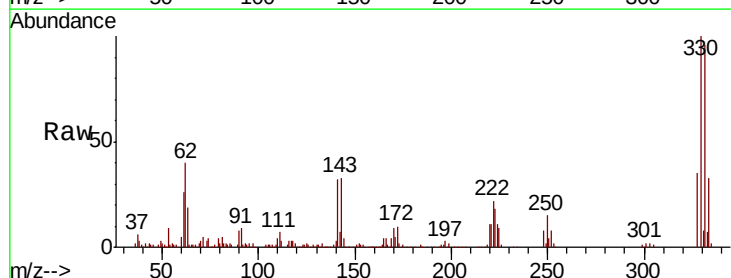
Tgt Ion:248 Resp: 13787

Ion Ratio Lower Upper

248 100

250 189.1 78.6 118.0#

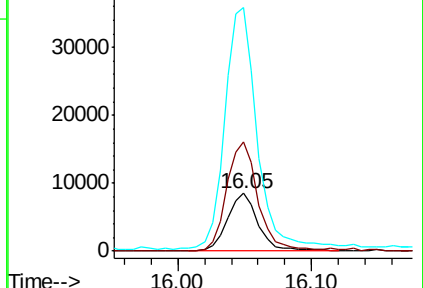
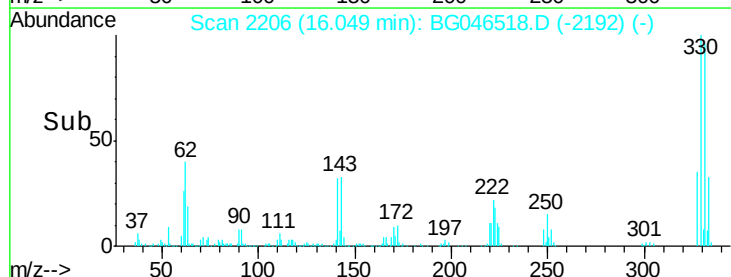
141 421.9 43.9 65.9#

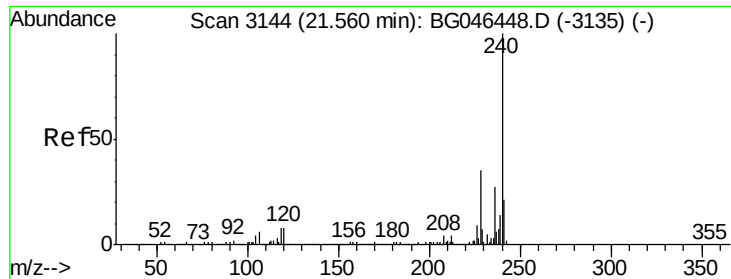


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

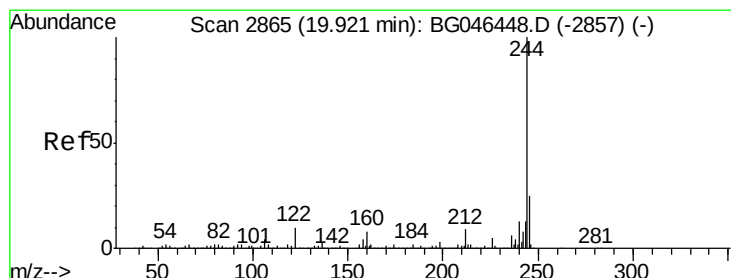
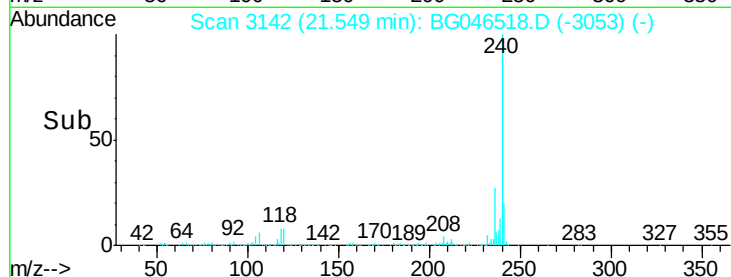
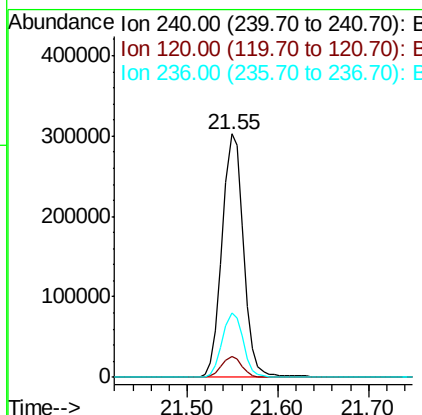
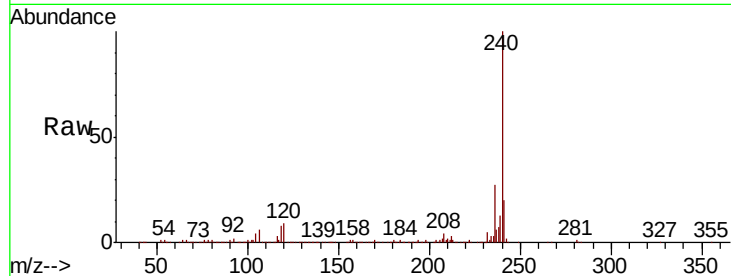




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.55 min Scan# 3142  
Delta R.T. -0.01 min  
Lab File: BG046518.D  
Acq: 3 Sep 2020 16:06

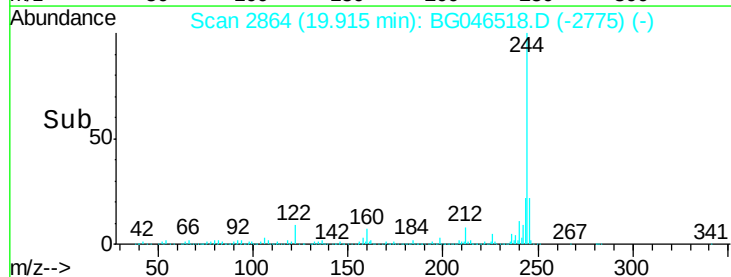
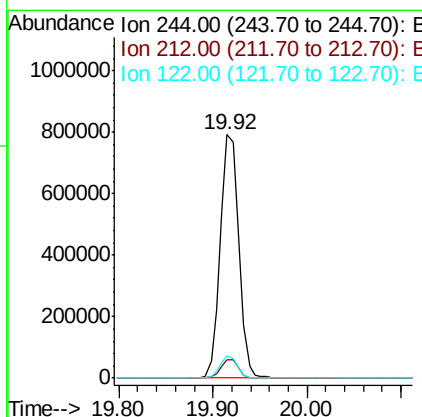
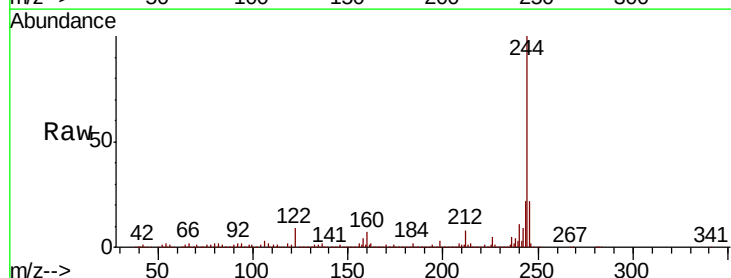
Instrument :  
BNA\_G  
ClientSampleId :  
PE-5

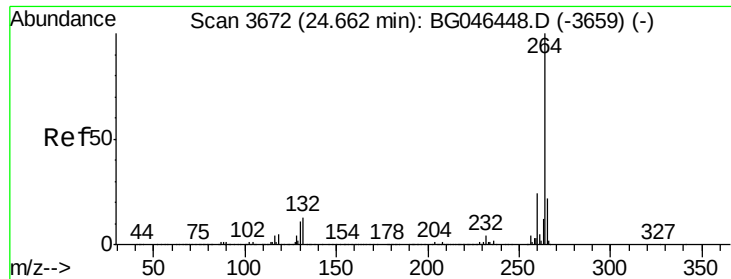
Tot Ion:240 Resp: 497052  
Ion Ratio Lower Upper  
240 100  
120 8.5 6.6 10.0  
236 26.5 21.4 32.2



#79  
Terphenyl-d14  
Concen: 47.008 ng  
RT: 19.92 min Scan# 2864  
Delta R.T. -0.01 min  
Lab File: BG046518.D  
Acq: 3 Sep 2020 16:06

Tgt Ion:244 Resp: 1097903  
Ion Ratio Lower Upper  
244 100  
212 7.7 6.9 10.3  
122 9.1 8.2 12.4





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.65 min Scan# 3670  
Delta R.T. -0.01 min  
Lab File: BG046518.D  
Acq: 3 Sep 2020 16:06

Instrument :  
BNA\_G  
ClientSampleId :  
PE-5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 19.2  | 28.8  |
| 265     | 21.3  | 17.9  | 26.9  |

