

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091020\  
 Data File : BG046588.D  
 Acq On : 10 Sep 2020 19:11  
 Operator : CG/JU  
 Sample : L3932-02  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 VNJ-218

Quant Time: Sep 11 00:38:12 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

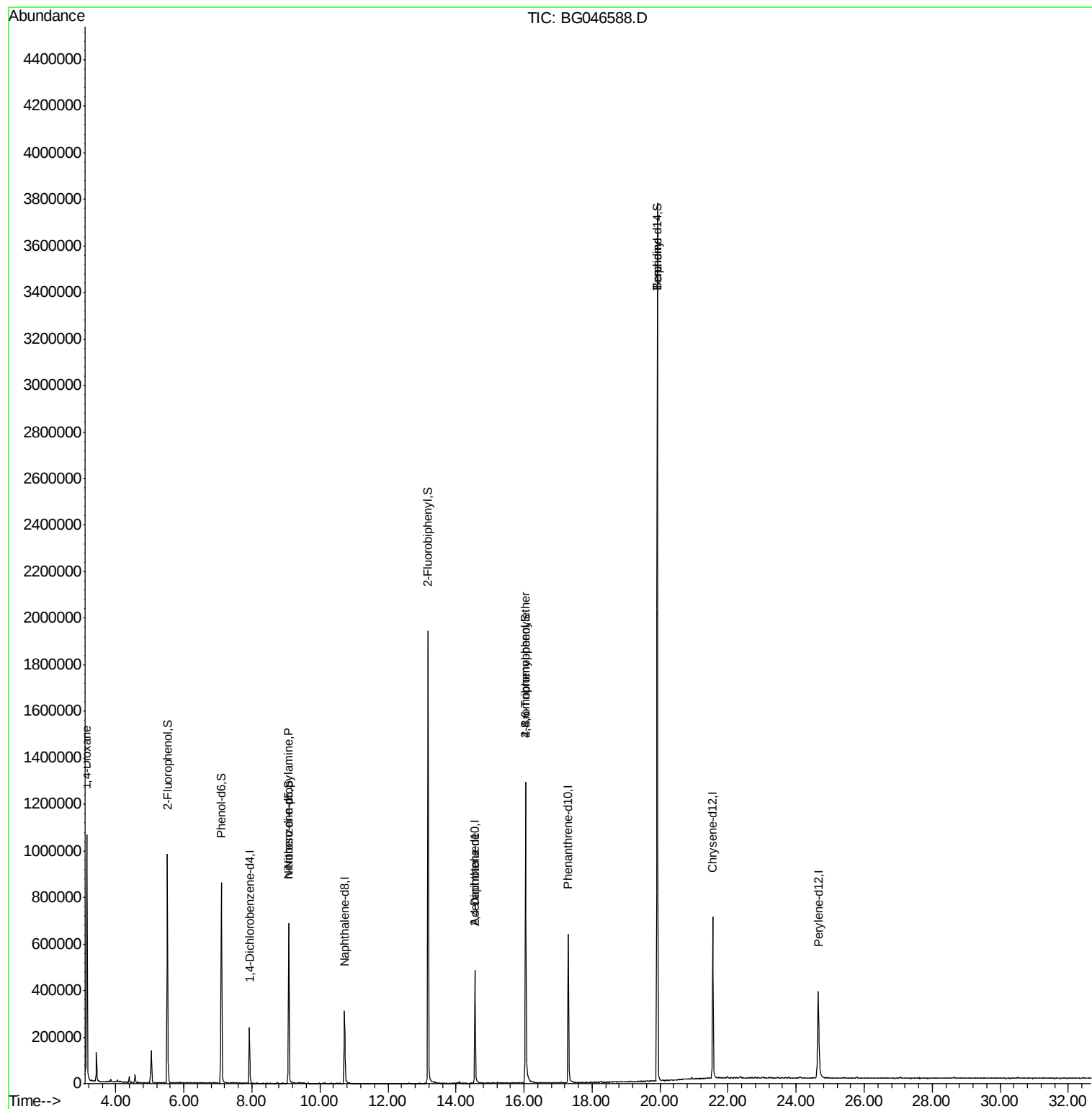
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.93  | 152  | 73973    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.72 | 136  | 295121   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.56 | 164  | 198274   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.30 | 188  | 464841   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.55 | 240  | 467811   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 24.65 | 264  | 453711   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.52  | 112  | 458777   | 109.85 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.10  | 99   | 551775   | 93.20  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.08  | 82   | 441999   | 85.60  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.05 | 330  | 298232   | 111.01 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.18 | 172  | 1121451  | 86.34  | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.92 | 244  | 1712009  | 77.88  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 2) 1,4-Dioxane                 | 3.15  | 88   | 10503    | 6.045  | ng    | # 1      |
| 19) n-Nitroso-di-n-propylamine | 9.08  | 70   | 56172    | 15.861 | ng    | # 77     |
| 57) 2,4-Dinitrotoluene         | 14.56 | 165  | 26612    | 5.520  | ng    | # 32     |
| 67) 4-Bromophenyl-phenylether  | 16.05 | 248  | 22168    | 4.088  | ng    | # 1      |
| 77) Benzidine                  | 19.92 | 184  | 26427    | 2.431  | ng    | # 96     |

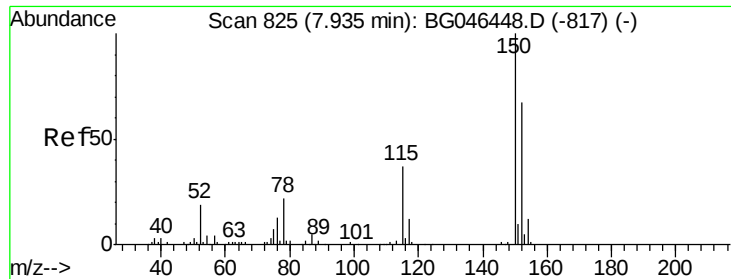
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 02 15:06:53 2020  
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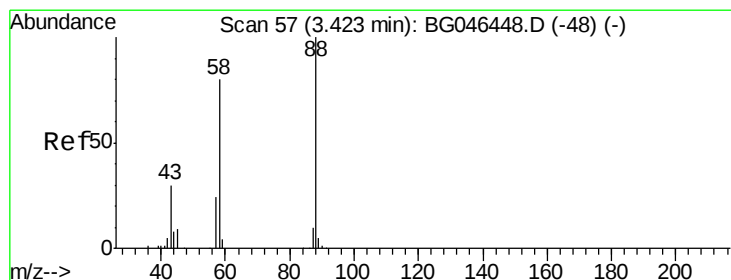
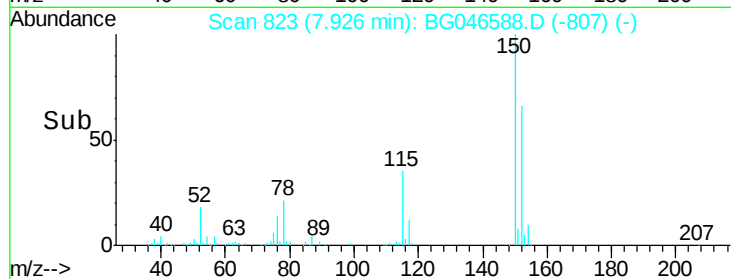
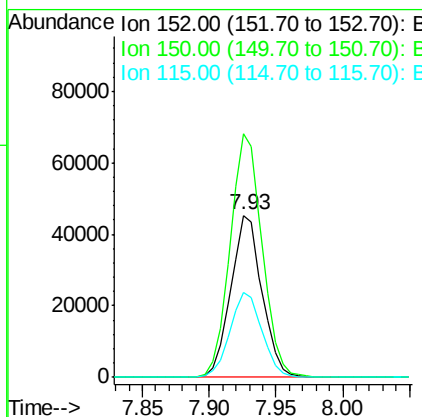
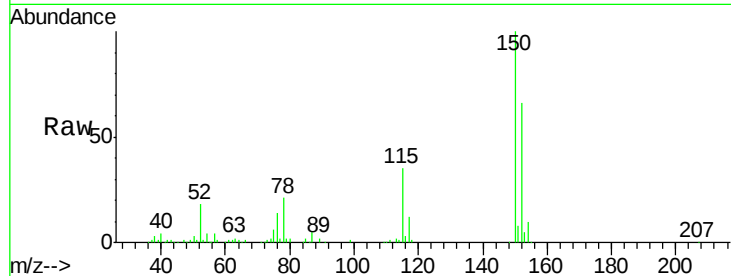


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.93 min Scan# 823  
Delta R.T. -0.01 min  
Lab File: BG046588.D  
Acq: 10 Sep 2020 19:11

Instrument :  
BNA\_G  
ClientSampleId :  
VNJ-218

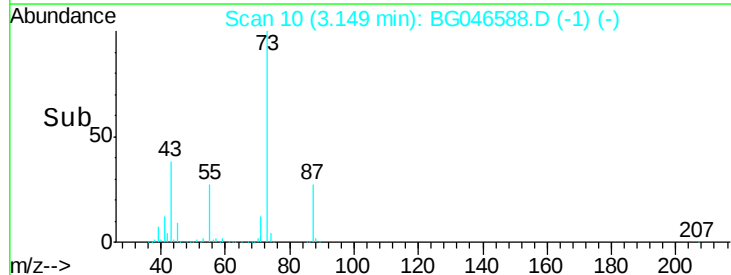
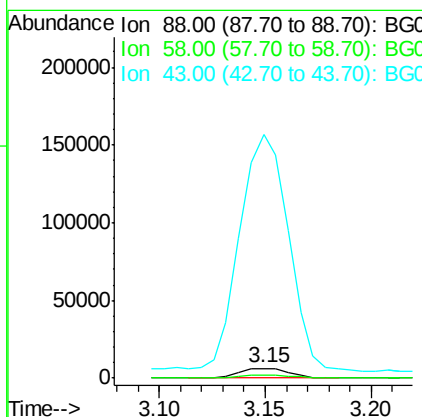
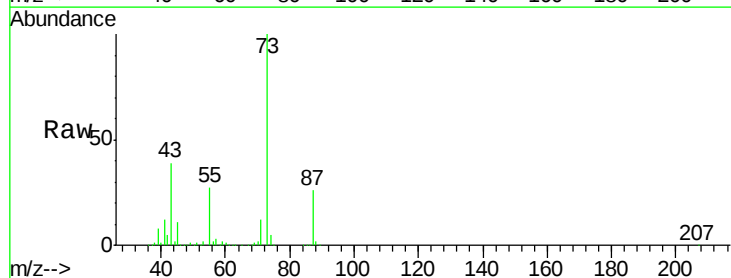
Tot Ion:152 Resp: 73973  
Ion Ratio Lower Upper  
152 100  
150 150.5 119.5 179.3  
115 52.3 44.3 66.5

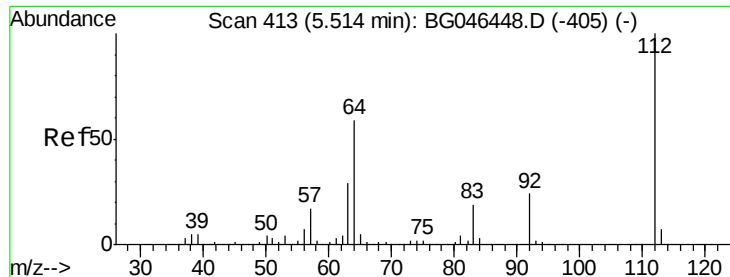


#2

1,4-Dioxane  
Concen: 6.045 ng  
RT: 3.15 min Scan# 10  
Delta R.T. -0.27 min  
Lab File: BG046588.D  
Acq: 10 Sep 2020 19:11

Tgt Ion: 88 Resp: 10503  
Ion Ratio Lower Upper  
88 100  
58 30.8 61.4 92.2#  
43 2445.8 21.6 32.4#





#5

2-Fluorophenol

Concen: 109.848 ng

RT: 5.52 min Scan# 413

Delta R.T. 0.00 min

Lab File: BG046588.D

Acq: 10 Sep 2020 19:11

Instrument :

BNA\_G

ClientSampleId :

VNJ-218

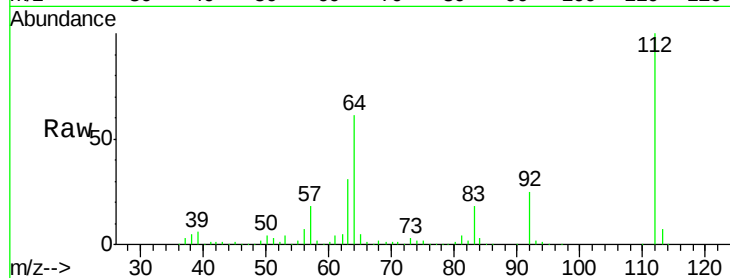
Tot Ion:112 Resp: 458777

Ion Ratio Lower Upper

112 100

64 61.3 47.0 70.6

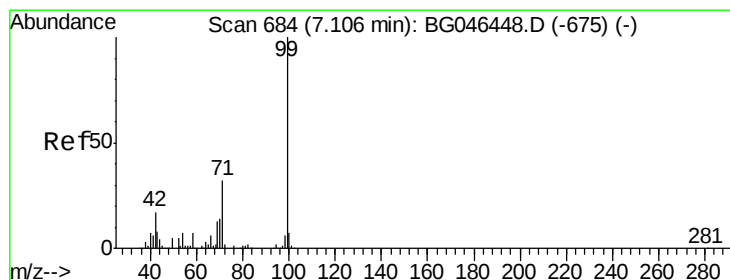
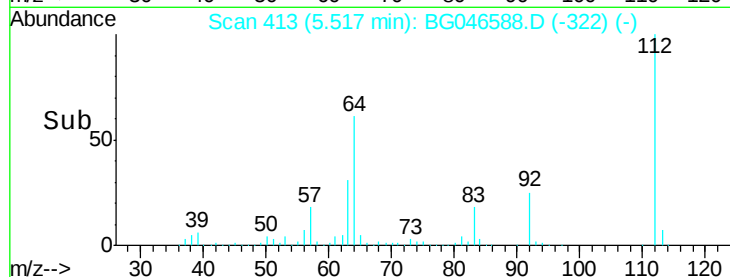
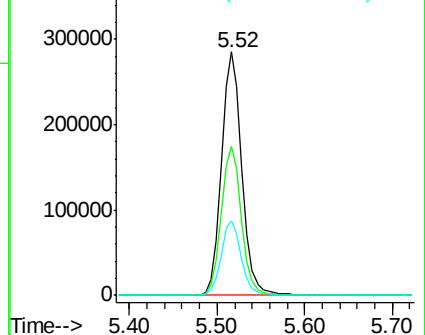
63 30.8 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 93.196 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046588.D

Acq: 10 Sep 2020 19:11

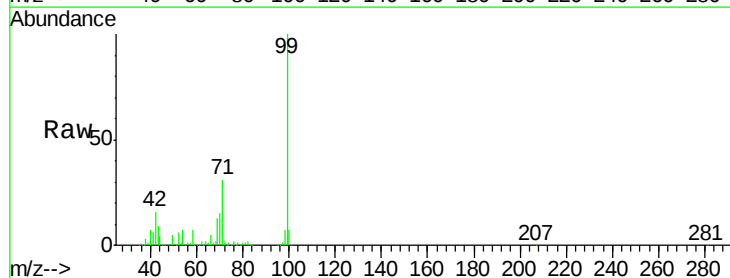
Tgt Ion: 99 Resp: 551775

Ion Ratio Lower Upper

99 100

42 16.4 13.3 19.9

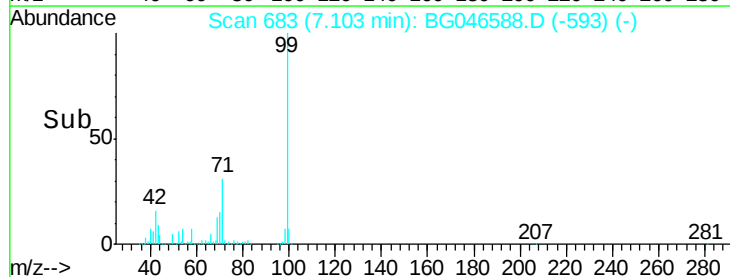
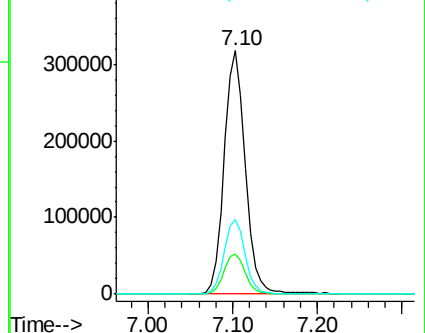
71 30.9 25.3 37.9

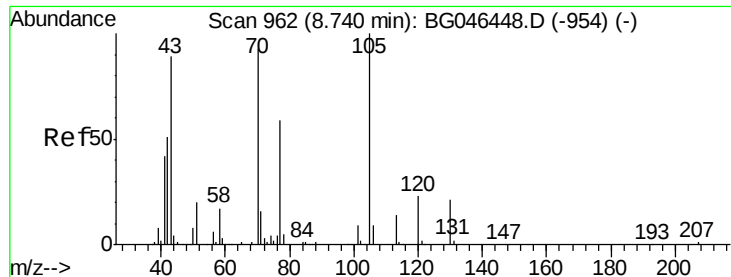


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

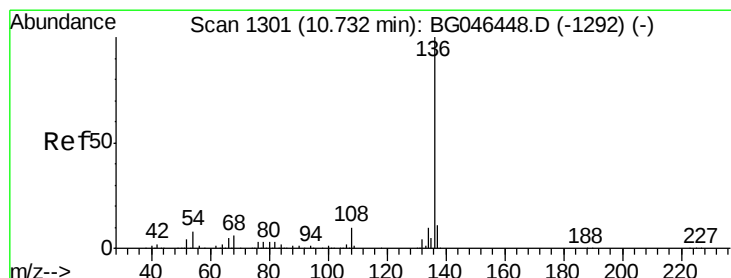
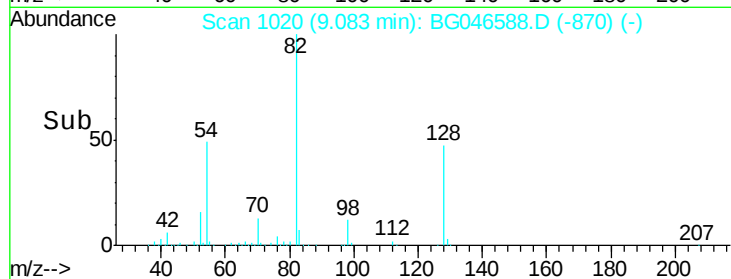
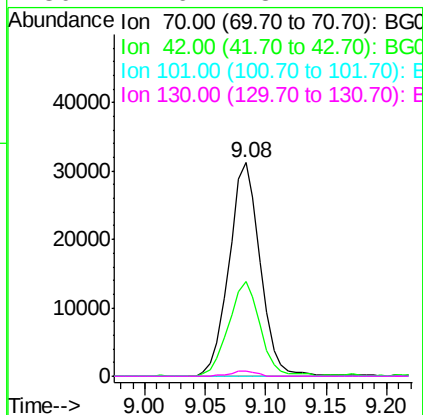
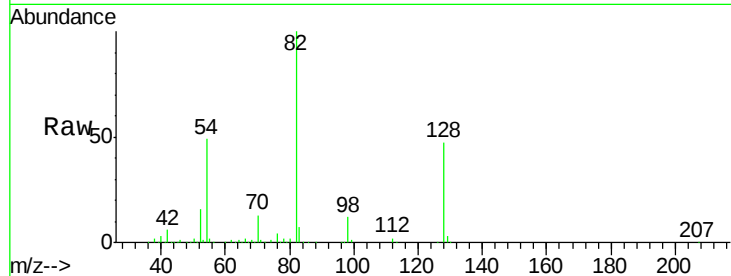




#19  
 n-Nitroso-di-n-propylamine  
 Concen: 15.861 ng  
 RT: 9.08 min Scan# 1020  
 Delta R.T. 0.35 min  
 Lab File: BG046588.D  
 Acq: 10 Sep 2020 19:11

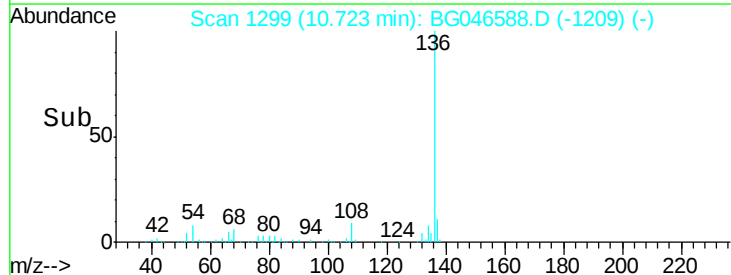
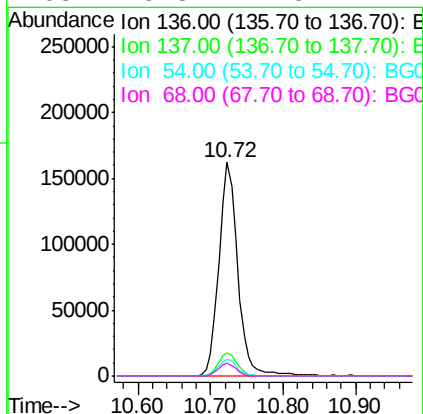
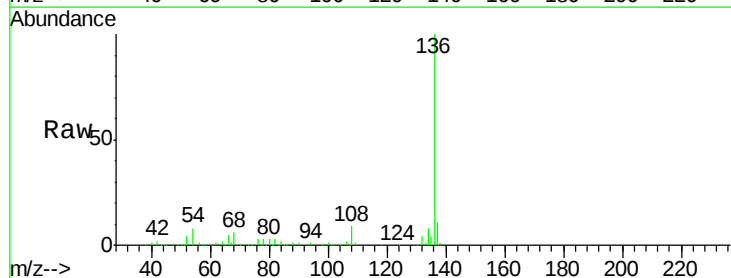
Instrument :  
 BNA\_G  
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 VNJ-218

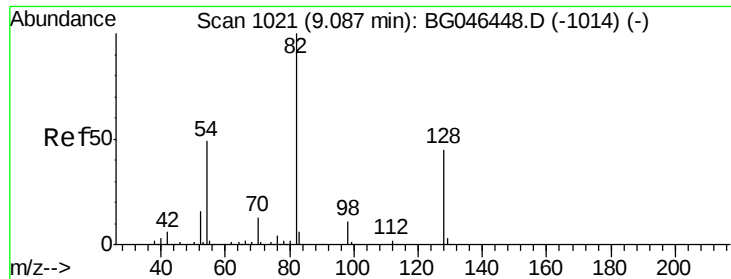
Tot Ion: 70 Resp: 56172  
 Ion Ratio Lower Upper  
 70 100  
 42 44.2 44.2 66.2  
 101 0.0 7.8 11.8#  
 130 2.6 18.2 27.4#



#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 10.72 min Scan# 1299  
 Delta R.T. -0.00 min  
 Lab File: BG046588.D  
 Acq: 10 Sep 2020 19:11

Tgt Ion: 136 Resp: 295121  
 Ion Ratio Lower Upper  
 136 100  
 137 11.0 8.8 13.2  
 54 7.8 6.1 9.1  
 68 5.8 4.8 7.2

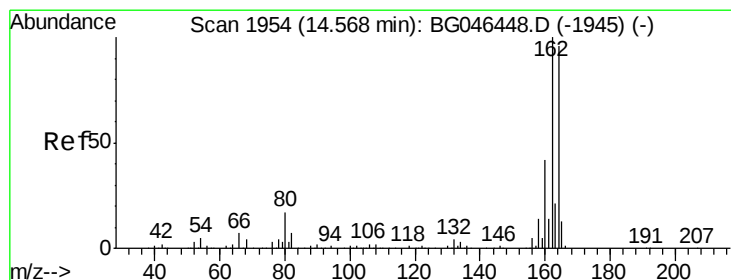
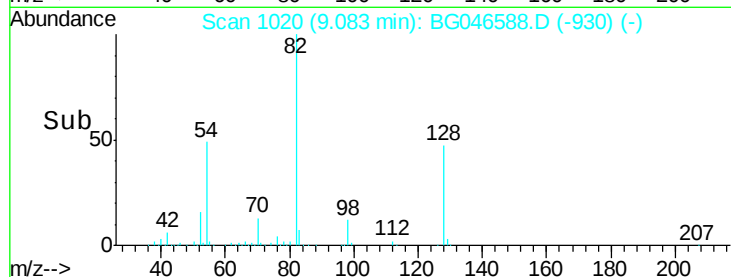
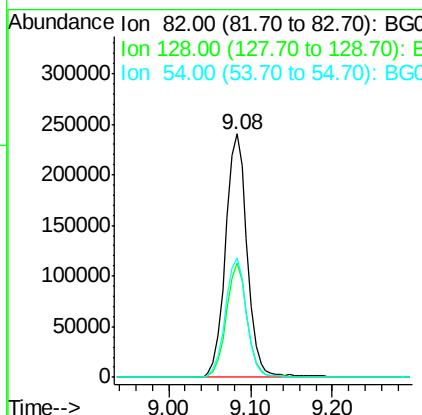
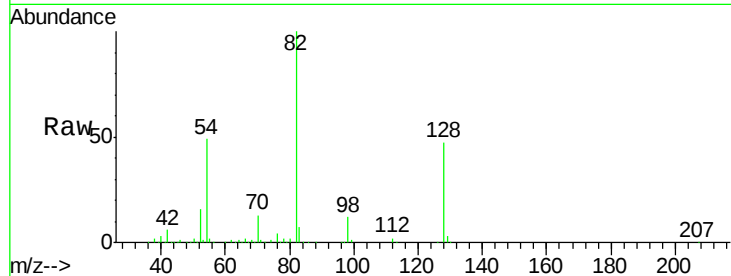




#23  
 Nitrobenzene-d5  
 Concen: 85.600 ng  
 RT: 9.08 min Scan# 1020  
 Delta R.T. -0.00 min  
 Lab File: BG046588.D  
 Acq: 10 Sep 2020 19:11

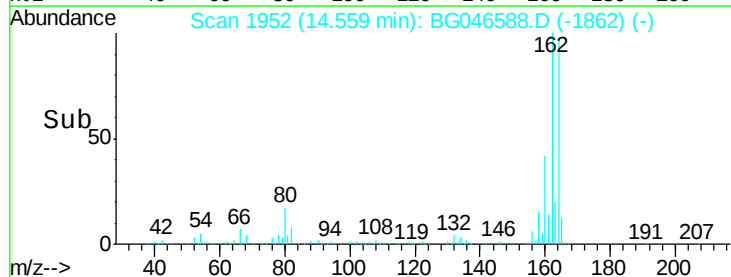
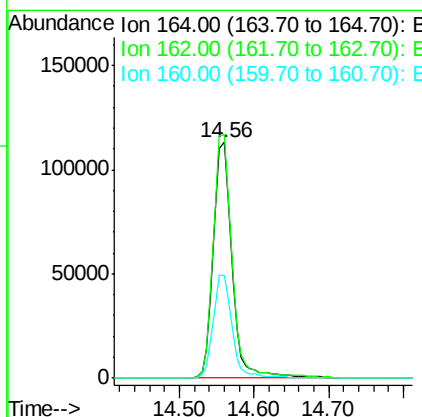
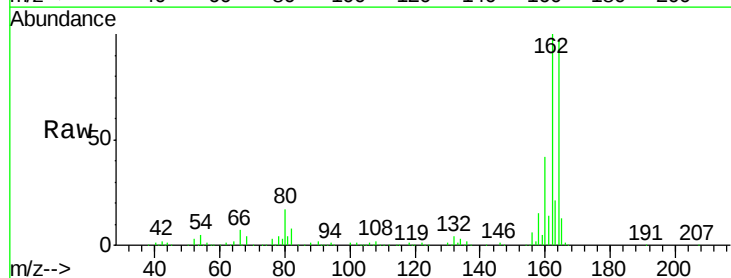
Instrument :  
 BNA\_G  
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 VNJ-218

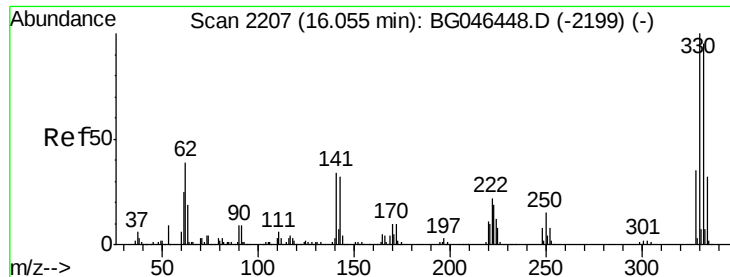
| Tot Ion   | 82    | Resp  | 441999 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 47.1  | 35.7  | 53.5   |
| 54        | 49.1  | 39.4  | 59.0   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.56 min Scan# 1952  
 Delta R.T. -0.00 min  
 Lab File: BG046588.D  
 Acq: 10 Sep 2020 19:11

| Tgt Ion   | 164   | Resp  | 198274 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 103.3 | 83.3  | 124.9  |
| 160       | 43.6  | 35.0  | 52.6   |

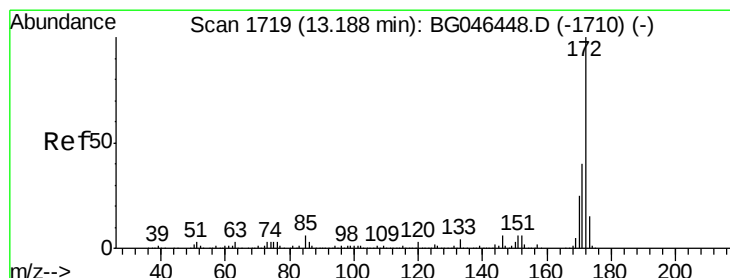
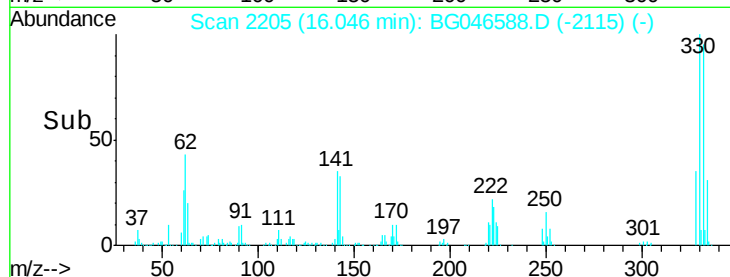
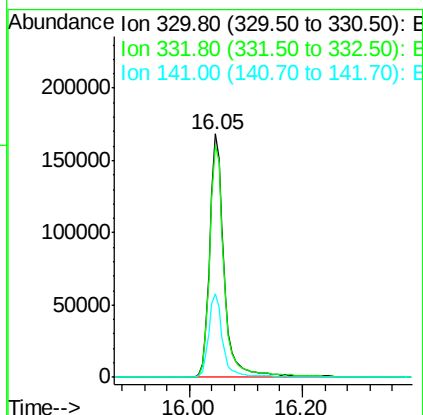
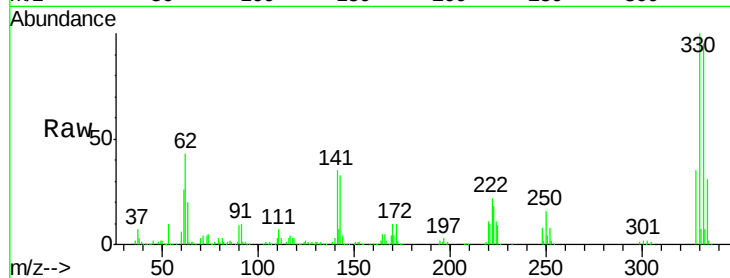




#42  
 2,4,6-Tribromophenol  
 Concen: 111.012 ng  
 RT: 16.05 min Scan# 2205  
 Delta R.T. -0.00 min  
 Lab File: BG046588.D  
 Acq: 10 Sep 2020 19:11

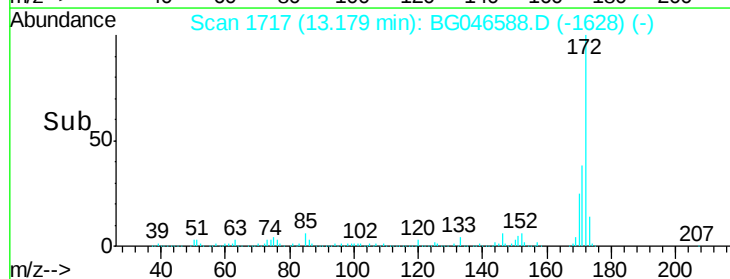
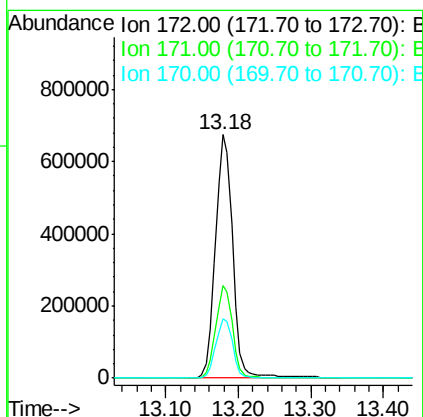
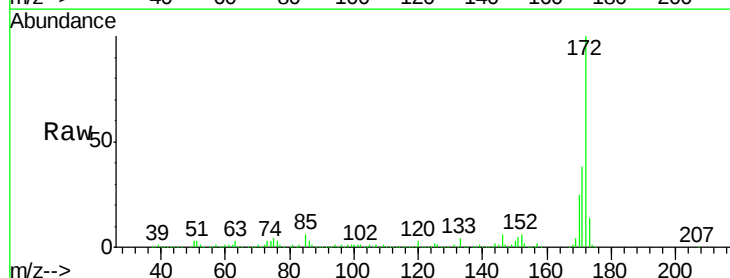
Instrument :  
 BNA\_G  
 ClientSampleId :  
 VNJ-218

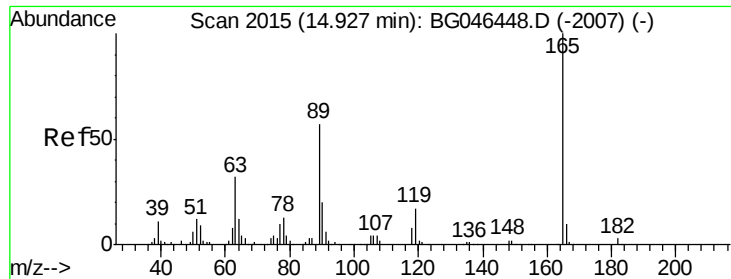
Tot Ion:330 Resp: 298232  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 76.1 114.1  
 141 33.3 26.1 39.1



#45  
 2-Fluorobiphenyl  
 Concen: 86.343 ng  
 RT: 13.18 min Scan# 1717  
 Delta R.T. -0.01 min  
 Lab File: BG046588.D  
 Acq: 10 Sep 2020 19:11

Tgt Ion:172 Resp: 1121451  
 Ion Ratio Lower Upper  
 172 100  
 171 38.2 31.8 47.6  
 170 24.6 20.3 30.5

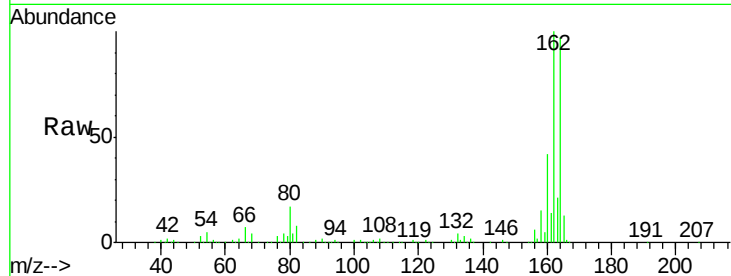




#57  
 2,4-Dinitrotoluene  
 Concen: 5.520 ng  
 RT: 14.56 min Scan# 1952  
 Delta R.T. -0.37 min  
 Lab File: BG046588.D  
 Acq: 10 Sep 2020 19:11

Instrument :  
 BNA\_G  
 ClientSampleId :  
 VNJ-218

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 25.4  | 38.0# |
| 89      | 0.0   | 45.9  | 68.9# |
| 182     | 0.0   | 2.3   | 3.5#  |

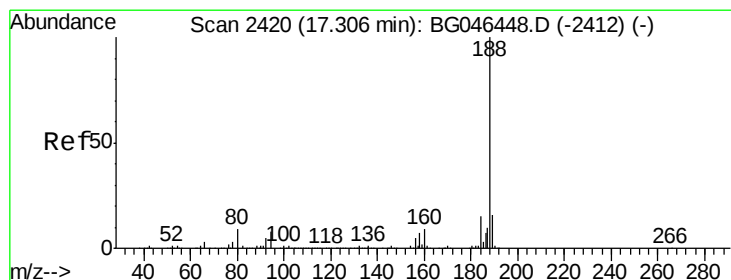
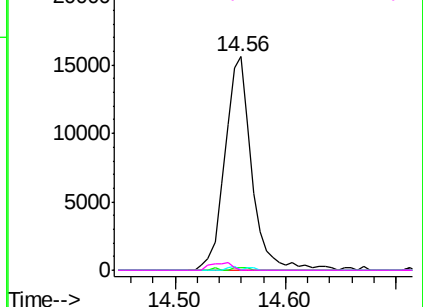
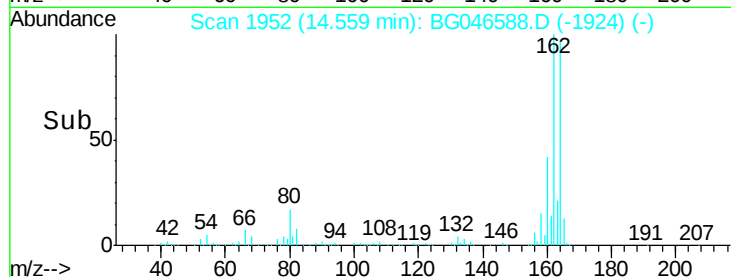


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

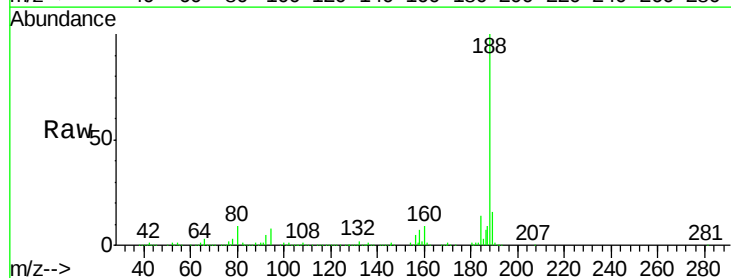
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.30 min Scan# 2418  
 Delta R.T. -0.01 min  
 Lab File: BG046588.D  
 Acq: 10 Sep 2020 19:11

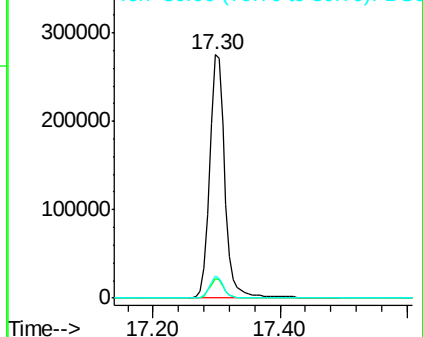
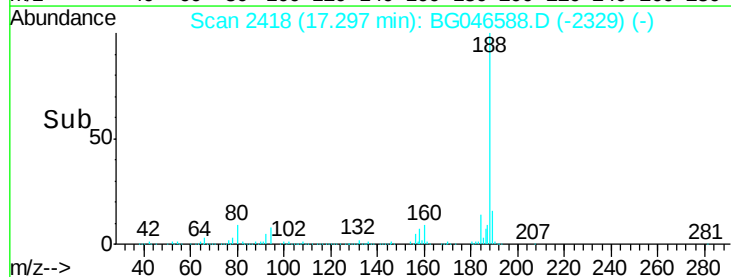
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.2   | 6.3   | 9.5   |
| 80      | 9.0   | 6.9   | 10.3  |

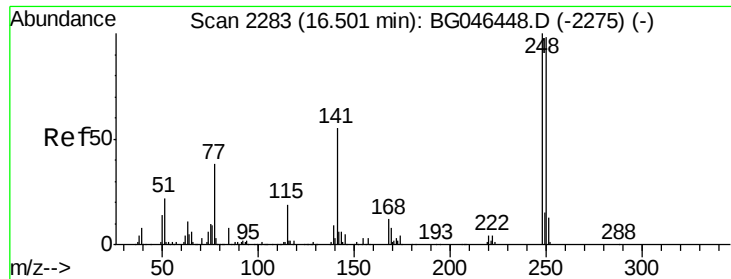


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#67

4-Bromophenyl-phenylether

Concen: 4.088 ng

RT: 16.05 min Scan# 2205

Delta R.T. -0.45 min

Lab File: BG046588.D

Acq: 10 Sep 2020 19:11

Instrument :

BNA\_G

ClientSampleId :

VNJ-218

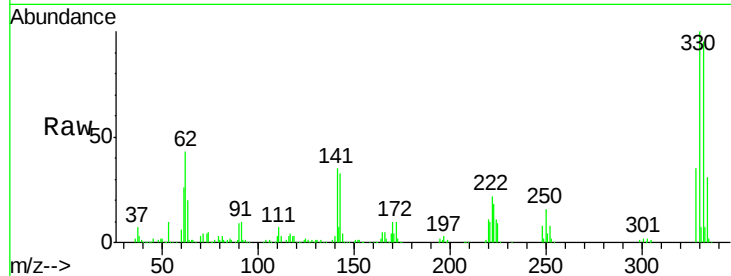
Tot Ion:248 Resp: 22168

Ion Ratio Lower Upper

248 100

250 207.6 78.6 118.0#

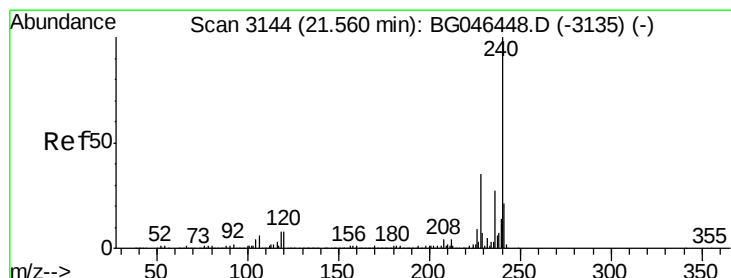
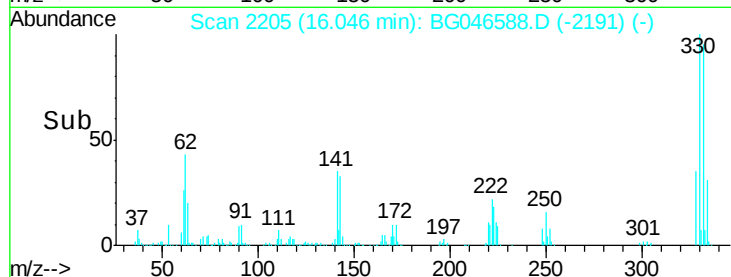
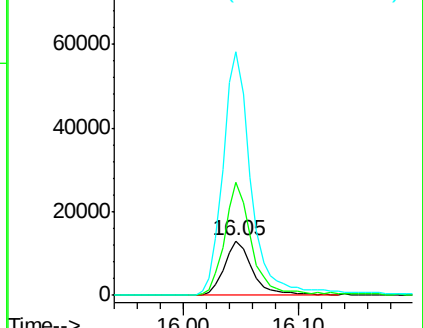
141 449.2 43.9 65.9#



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# 3141

Delta R.T. -0.01 min

Lab File: BG046588.D

Acq: 10 Sep 2020 19:11

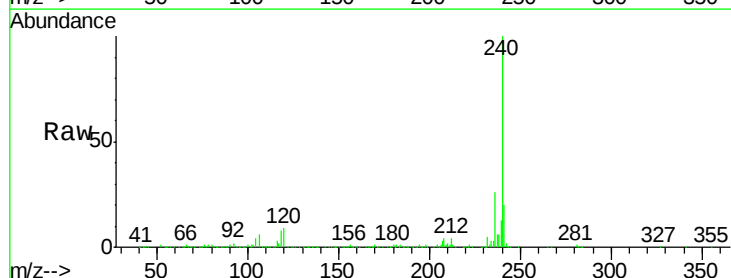
Tgt Ion:240 Resp: 467811

Ion Ratio Lower Upper

240 100

120 9.0 6.6 10.0

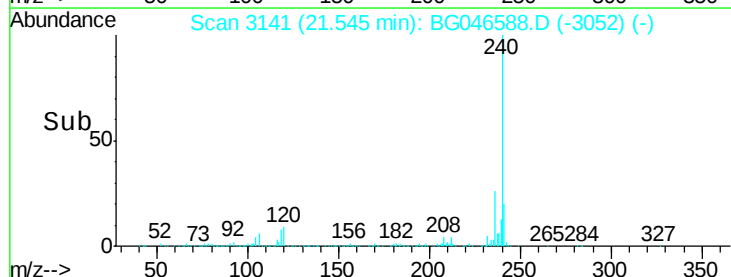
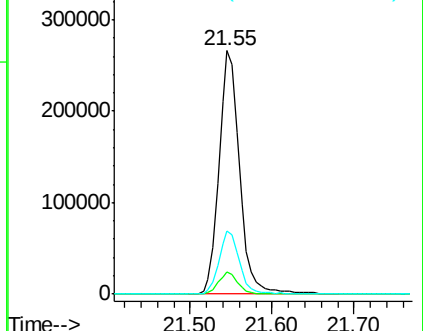
236 25.7 21.4 32.2



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





#77

Benzidine

Concen: 2.431 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.38 min

Lab File: BG046588.D

Acq: 10 Sep 2020 19:11

Instrument :

BNA\_G

ClientSampled :

VNJ-218

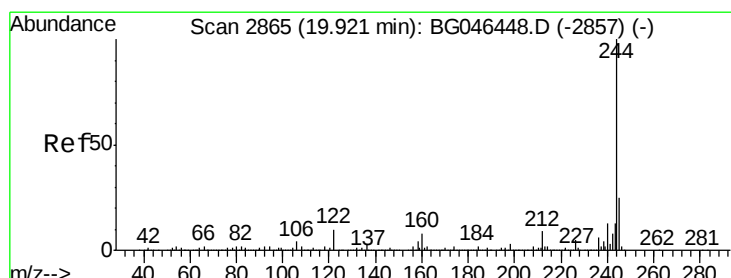
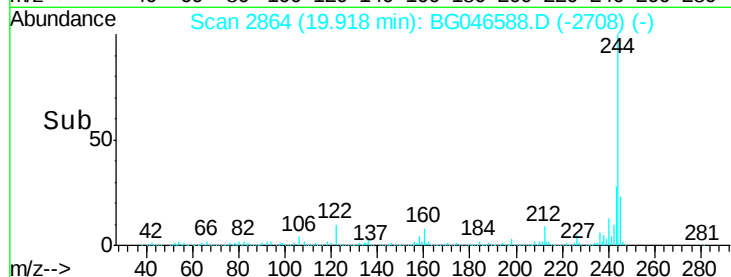
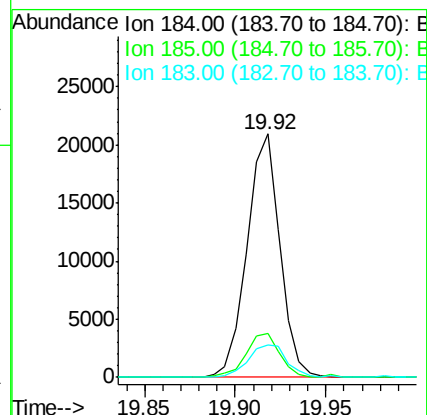
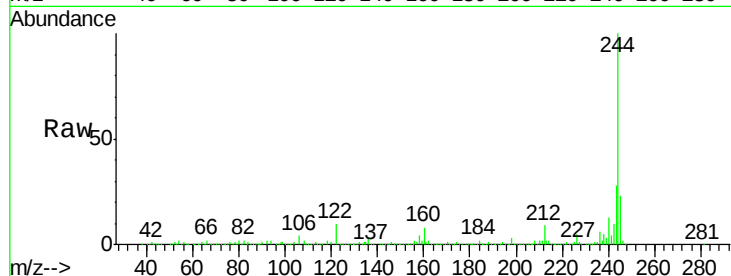
Tot Ion:184 Resp: 26427

Ion Ratio Lower Upper

184 100

185 18.2 11.8 17.8#

183 13.5 10.7 16.1



#79

Terphenyl-d14

Concen: 77.883 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG046588.D

Acq: 10 Sep 2020 19:11

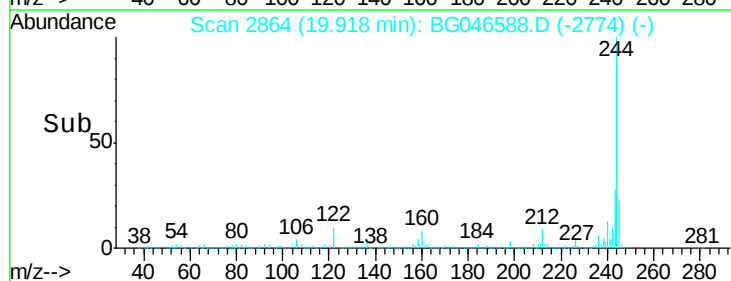
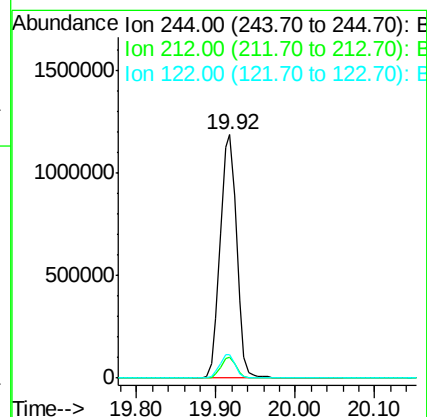
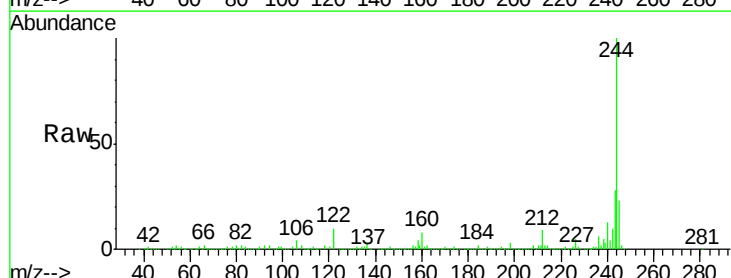
Tgt Ion:244 Resp: 1712009

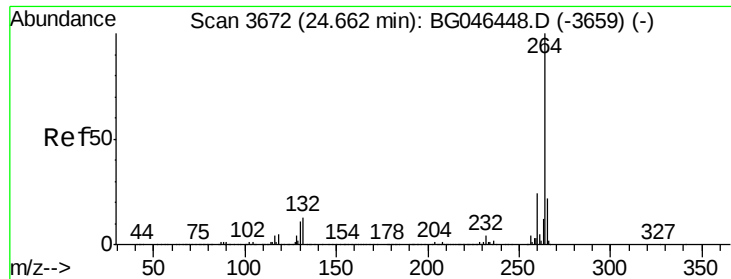
Ion Ratio Lower Upper

244 100

212 8.8 6.9 10.3

122 9.6 8.2 12.4

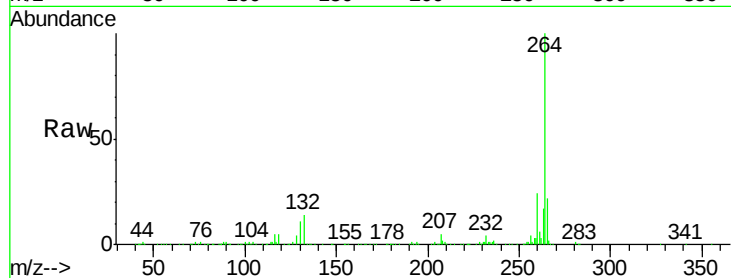




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 24.65 min Scan# 3669  
 Delta R.T. -0.01 min  
 Lab File: BG046588.D  
 Acq: 10 Sep 2020 19:11

Instrument :  
 BNA\_G  
 ClientSampleId :  
 VNJ-218

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.2  | 28.8  |
| 265     | 22.5  | 17.9  | 26.9  |



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

