

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090920\  
 Data File : BG046576.D  
 Acq On : 9 Sep 2020 17:16  
 Operator : CG/JU  
 Sample : L3932-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 VNJ-218

Quant Time: Sep 09 17:58:49 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

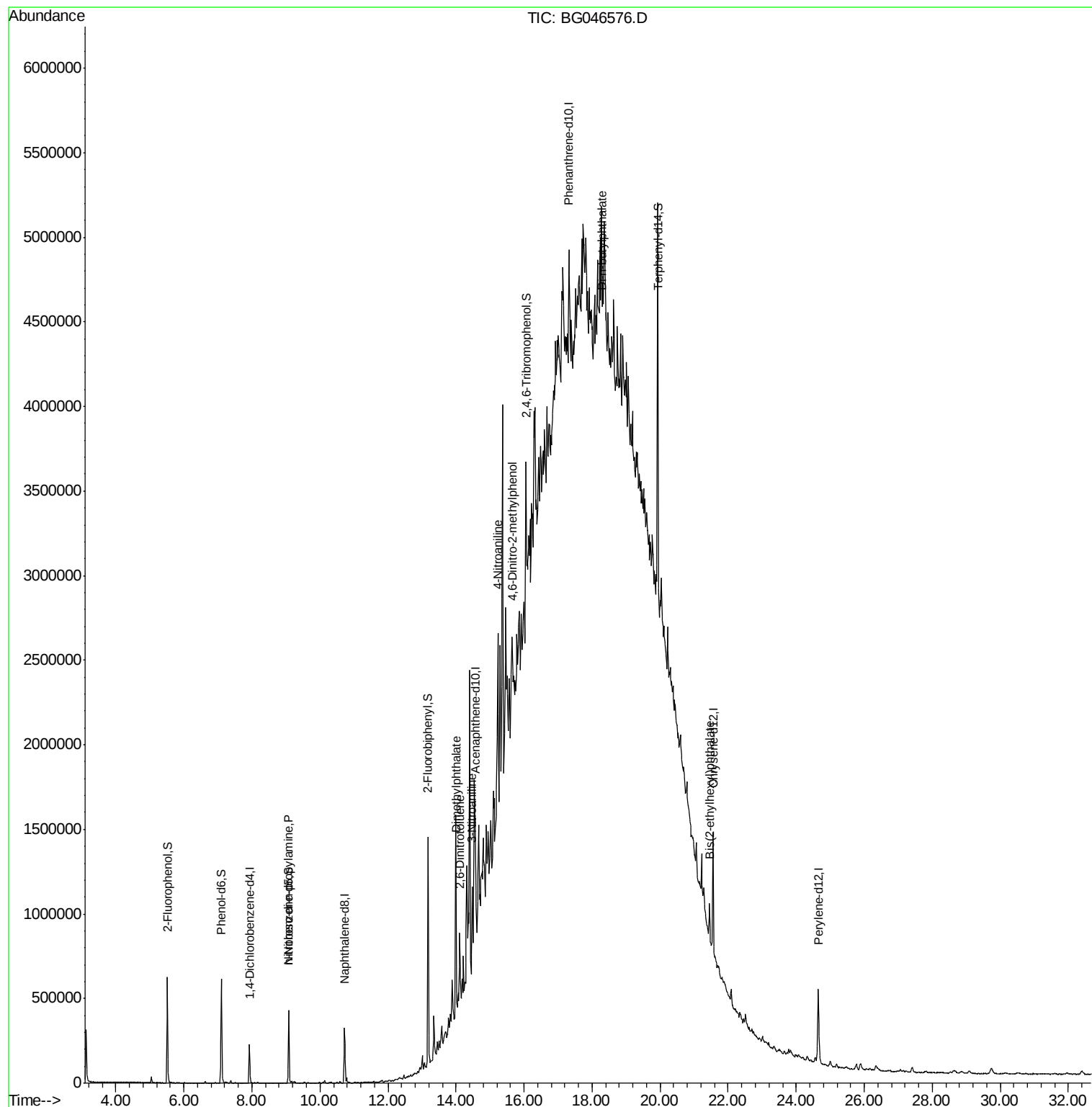
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.92  | 152  | 72912    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.72 | 136  | 308577   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.56 | 164  | 190877   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.31 | 188  | 372264   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.56 | 240  | 437576   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 24.65 | 264  | 455884   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.52  | 112  | 303019   | 73.61  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.10  | 99   | 398914   | 68.36  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.08  | 82   | 285050   | 52.80  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.06 | 330  | 171545   | 66.33  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.18 | 172  | 769354   | 61.53  | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.93 | 244  | 1019260  | 49.57  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.08  | 70   | 35986    | 10.309 | ng    | # 74     |
| 50) Dimethylphthalate          | 14.01 | 163  | 100476   | 6.804  | ng    | # 84     |
| 51) 2,6-Dinitrotoluene         | 14.12 | 165  | 19236    | 5.909  | ng    | # 38     |
| 53) 3-Nitroaniline             | 14.48 | 138  | 27267    | 7.733  | ng    | # 12     |
| 62) 4-Nitroaniline             | 15.23 | 138  | 20932    | 5.626  | ng    | # 90     |
| 65) 4,6-Dinitro-2-methylphenol | 15.66 | 198  | 4663     | 2.213  | ng    | # 1      |
| 74) Di-n-butylphthalate        | 18.28 | 149  | 89121    | 4.409  | ng    | # 54     |
| 84) Bis(2-ethylhexyl)phthalate | 21.45 | 149  | 32588    | 2.197  | ng    | # 87     |

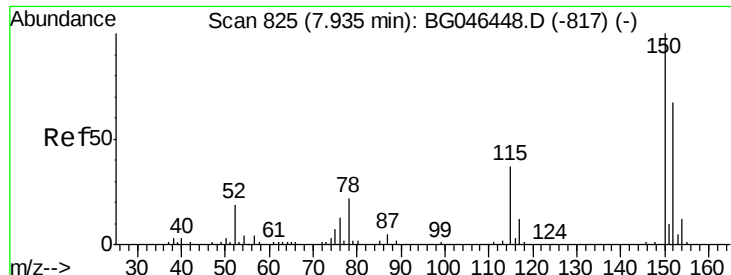
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090920\  
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Sample : L3932-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
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VNJ-218

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QLast Update : Wed Sep 02 15:06:53 2020  
Response via : Initial Calibration

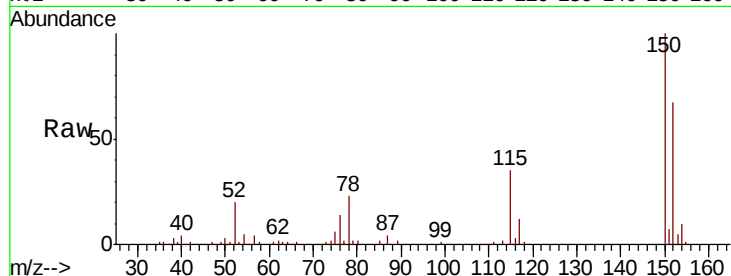




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.92 min Scan# 823  
 Delta R.T. -0.01 min  
 Lab File: BG046576.D  
 Acq: 9 Sep 2020 17:16

Instrument :  
 BNA\_G  
 ClientSampled :  
 VNJ-218

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 149.6 | 119.5 | 179.3 |
| 115     | 52.9  | 44.3  | 66.5  |

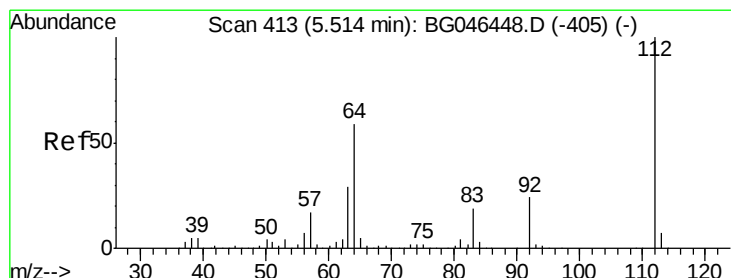
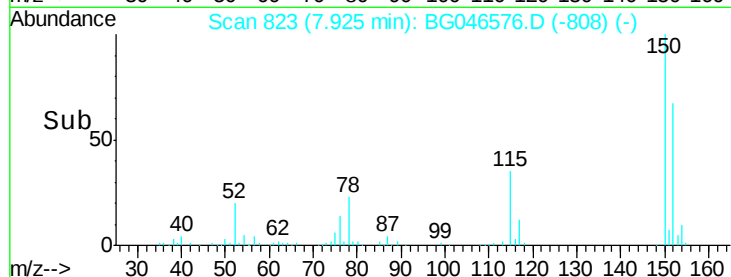
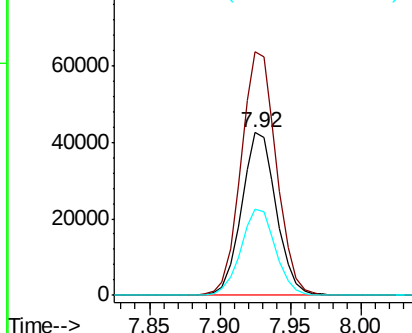


Abundance

Ion 152.00 (151.70 to 152.70): E

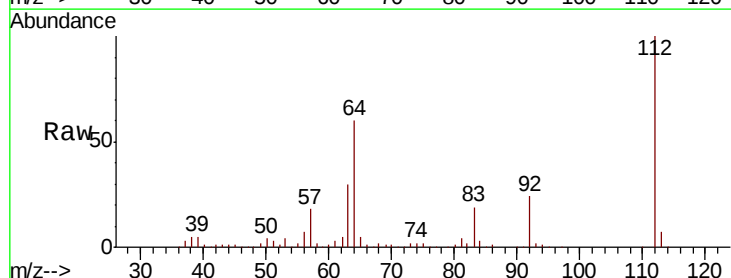
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5  
 2-Fluorophenol  
 Concen: 73.610 ng  
 RT: 5.52 min Scan# 413  
 Delta R.T. 0.00 min  
 Lab File: BG046576.D  
 Acq: 9 Sep 2020 17:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 59.9  | 47.0  | 70.6  |
| 63      | 29.8  | 23.5  | 35.3  |

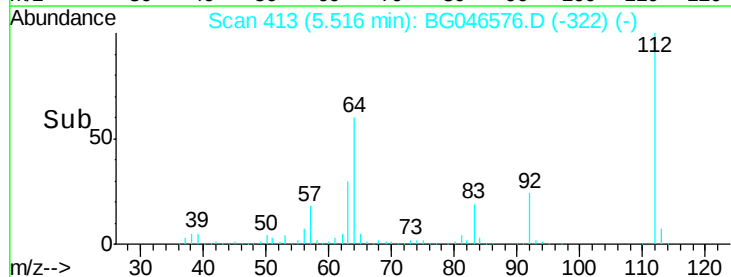
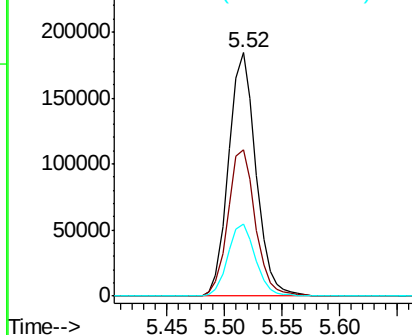


Abundance

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: 68.358 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046576.D

Acq: 9 Sep 2020 17:16

Instrument :

BNA\_G

ClientSampleId :

VNJ-218

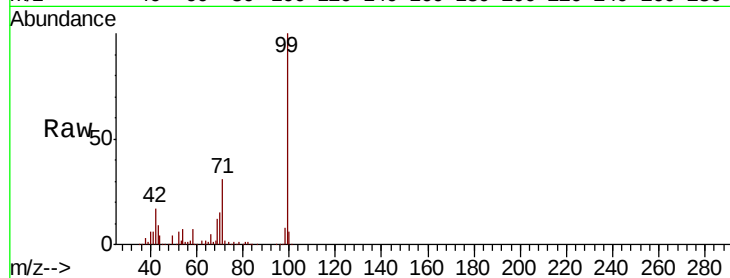
Tot Ion: 99 Resp: 398914

Ion Ratio Lower Upper

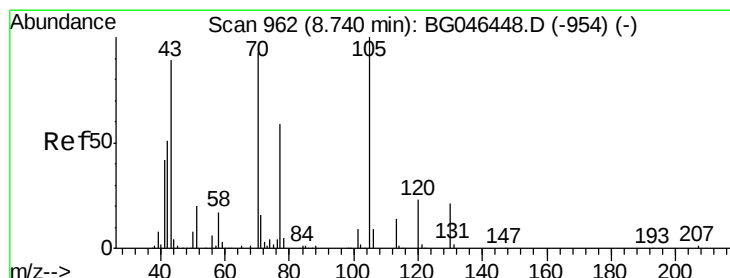
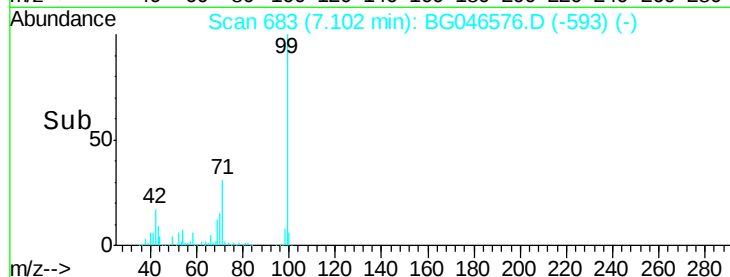
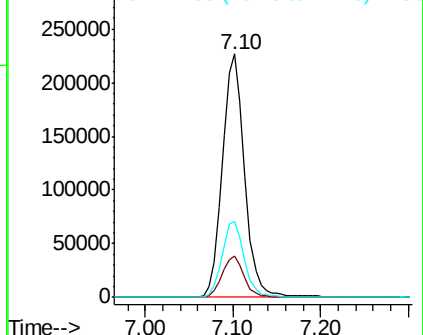
99 100

42 16.8 13.3 19.9

71 31.0 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: 10.309 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.35 min

Lab File: BG046576.D

Acq: 9 Sep 2020 17:16

Tgt Ion: 70 Resp: 35986

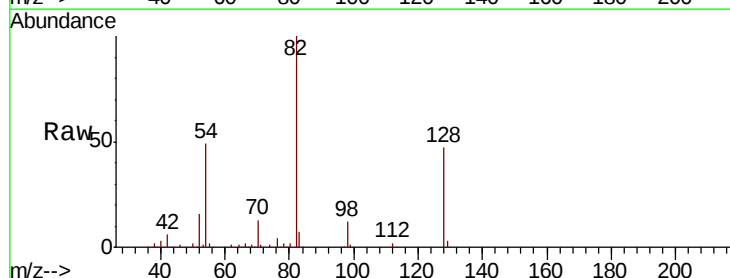
Ion Ratio Lower Upper

70 100

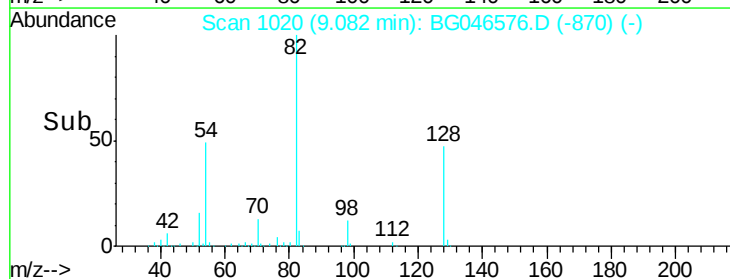
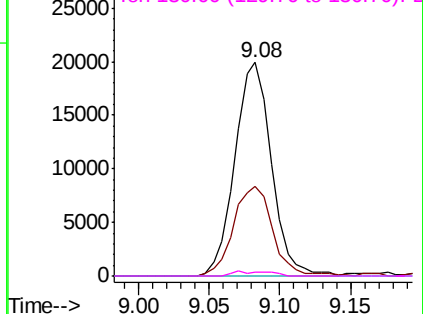
42 42.0 44.2 66.2#

101 0.0 7.8 11.8#

130 1.9 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

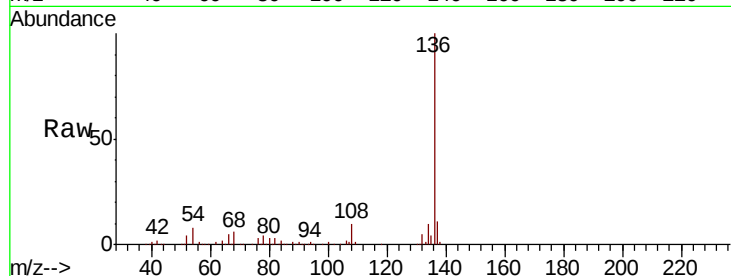




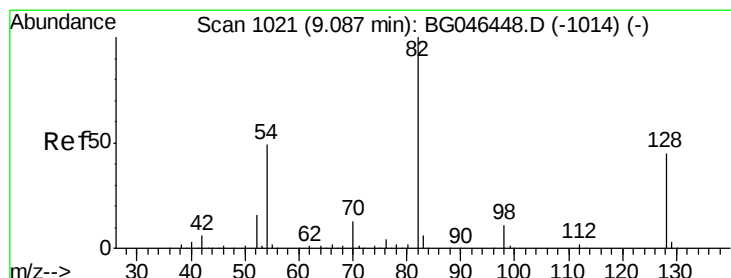
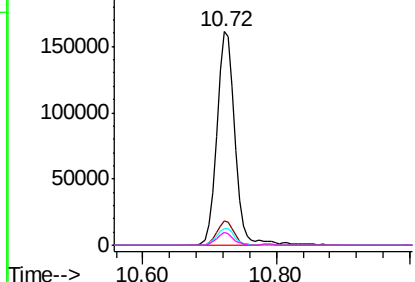
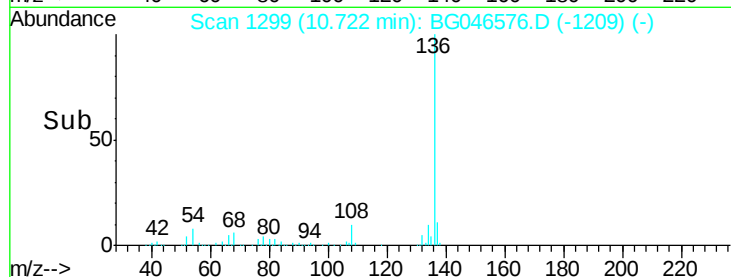
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.72 min Scan# 1299  
Delta R.T. -0.00 min  
Lab File: BG046576.D  
Acq: 9 Sep 2020 17:16

Instrument :  
BNA\_G  
ClientSampleId :  
VNJ-218

|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 308577 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 11.2    | 8.8   | 13.2   |  |
| 54 7.9      | 6.1   | 9.1    |  |
| 68 6.1      | 4.8   | 7.2    |  |

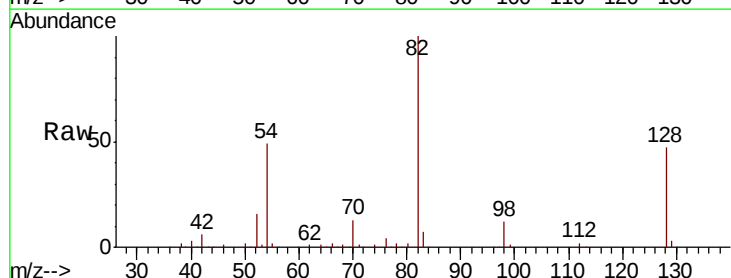


Abundance Ion 136.00 (135.70 to 136.70): E  
250000  
Ion 137.00 (136.70 to 137.70): E  
200000  
Ion 54.00 (53.70 to 54.70): BGC  
150000  
Ion 68.00 (67.70 to 68.70): BGC  
100000  
50000  
0

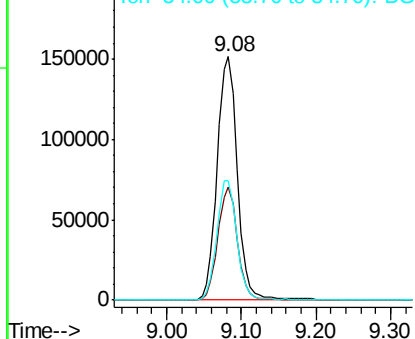
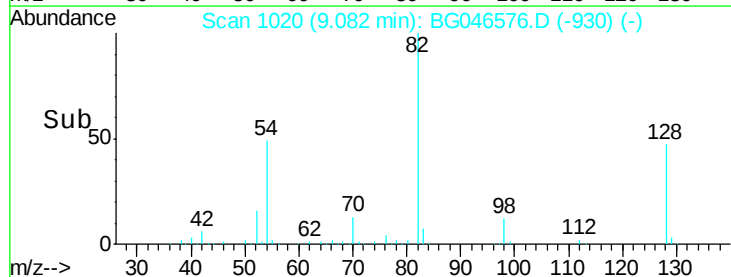


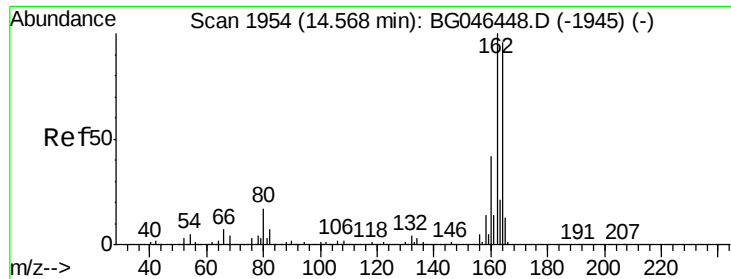
#23  
Nitrobenzene-d5  
Concen: 52.797 ng  
RT: 9.08 min Scan# 1020  
Delta R.T. -0.00 min  
Lab File: BG046576.D  
Acq: 9 Sep 2020 17:16

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 285050 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 46.5    | 35.7 53.5    |
| 54 49.1     | 39.4 59.0    |



Abundance Ion 82.00 (81.70 to 82.70): BGC  
200000  
Ion 128.00 (127.70 to 128.70): E  
150000  
Ion 54.00 (53.70 to 54.70): BGC  
100000  
50000  
0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BG046576.D

Acq: 9 Sep 2020 17:16

Instrument :

BNA\_G

ClientSampleId :

VNJ-218

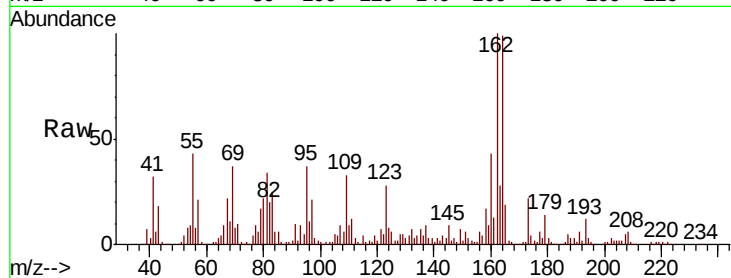
Tot Ion:164 Resp: 190877

Ion Ratio Lower Upper

164 100

162 101.4 83.3 124.9

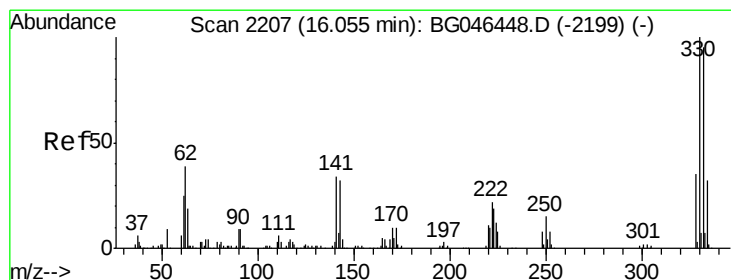
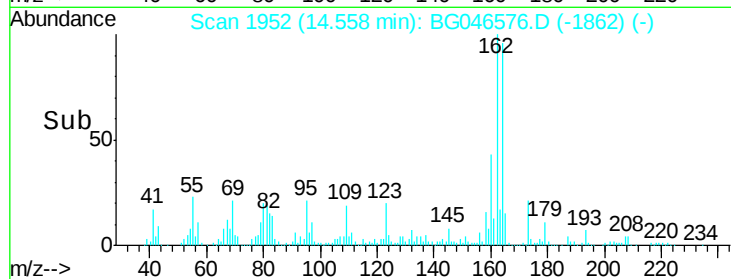
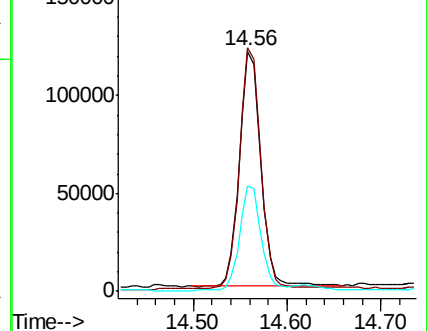
160 44.0 35.0 52.6



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: 66.330 ng

RT: 16.06 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BG046576.D

Acq: 9 Sep 2020 17:16

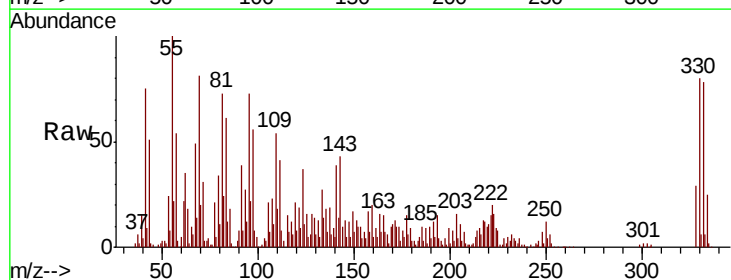
Tgt Ion:330 Resp: 171545

Ion Ratio Lower Upper

330 100

332 96.2 76.1 114.1

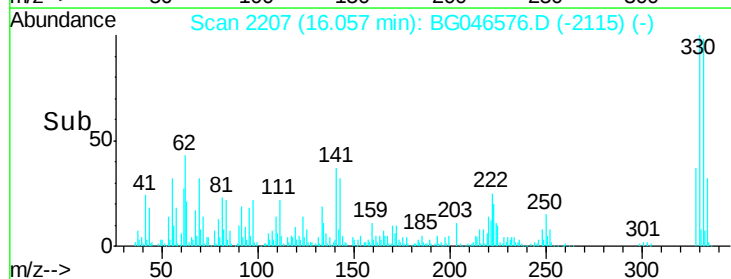
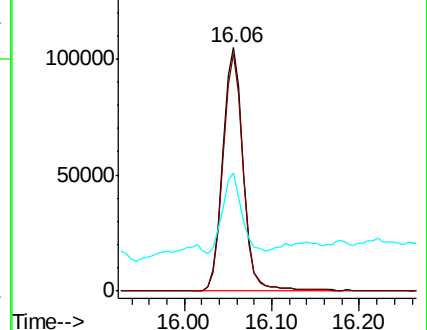
141 30.8 26.1 39.1

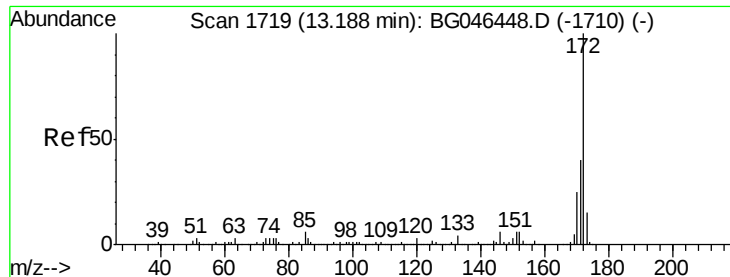


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

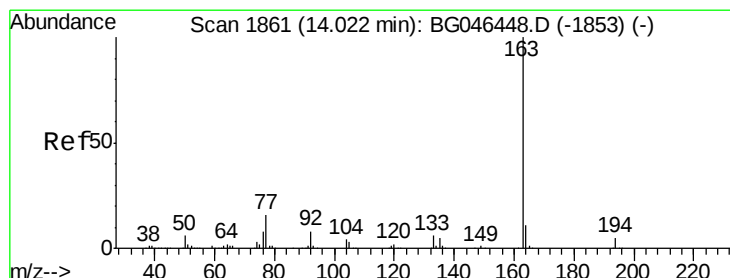
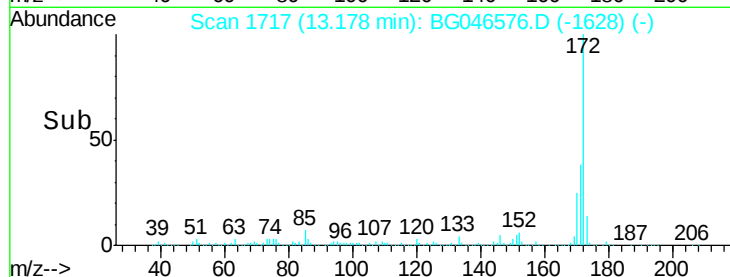
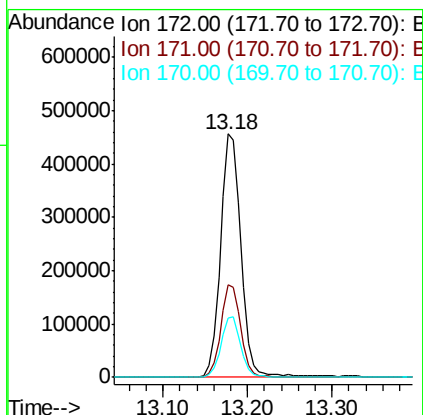
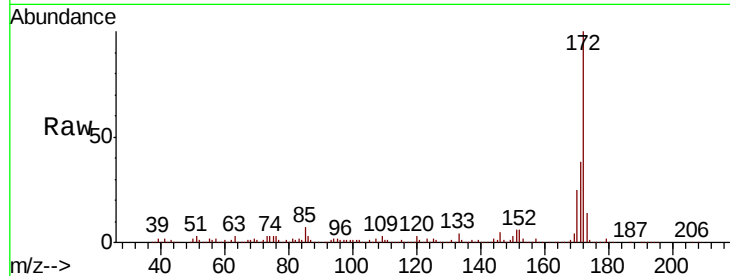




#45  
2-Fluorobiphenyl  
Concen: 61.530 ng  
RT: 13.18 min Scan# 1717  
Delta R.T. -0.01 min  
Lab File: BG046576.D  
Acq: 9 Sep 2020 17:16

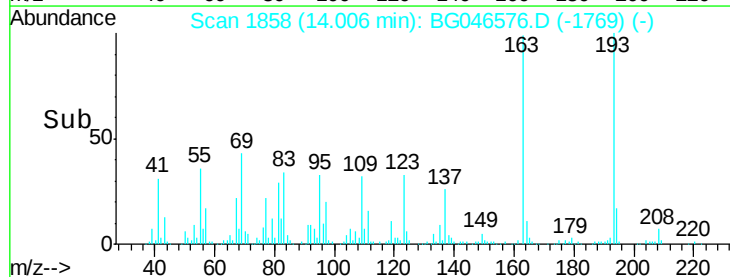
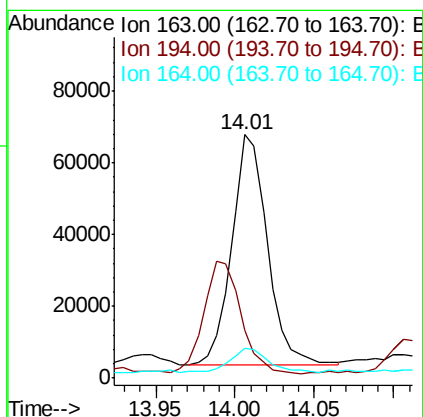
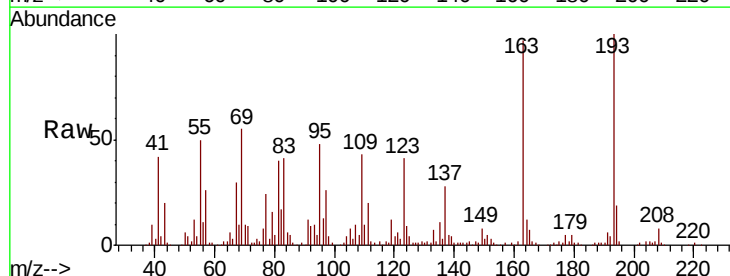
Instrument :  
BNA\_G  
ClientSampleId :  
VNJ-218

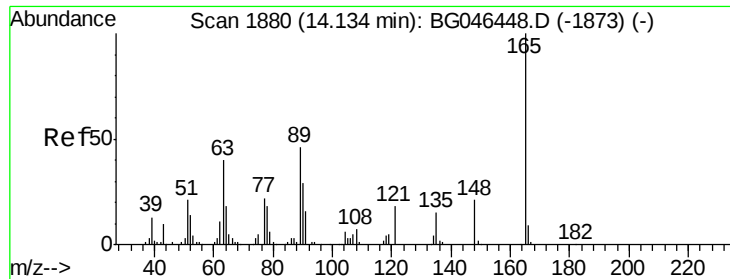
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.9  | 31.8  | 47.6  |
| 170     | 24.5  | 20.3  | 30.5  |



#50  
Dimethylphthalate  
Concen: 6.804 ng  
RT: 14.01 min Scan# 1858  
Delta R.T. -0.01 min  
Lab File: BG046576.D  
Acq: 9 Sep 2020 17:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 19.5  | 3.7   | 5.5#  |
| 164     | 12.1  | 8.6   | 12.8  |





#51

2,6-Dinitrotoluene

Concen: 5.909 ng

RT: 14.12 min Scan# 1877

Delta R.T. -0.02 min

Lab File: BG046576.D

Acq: 9 Sep 2020 17:16

Instrument :

BNA\_G

ClientSampled :

VNJ-218

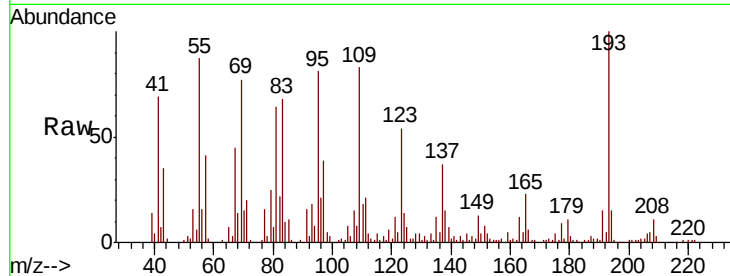
Tot Ion:165 Resp: 19236

Ion Ratio Lower Upper

165 100

63 5.3 34.2 51.4#

89 2.9 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

14.12

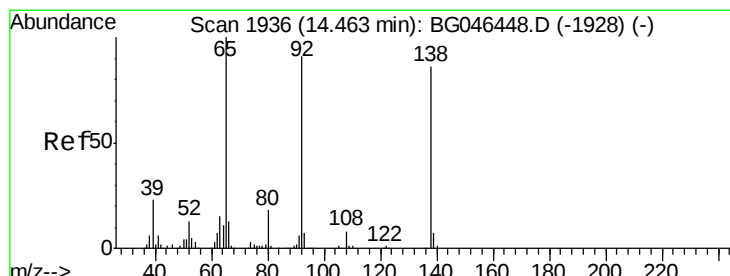
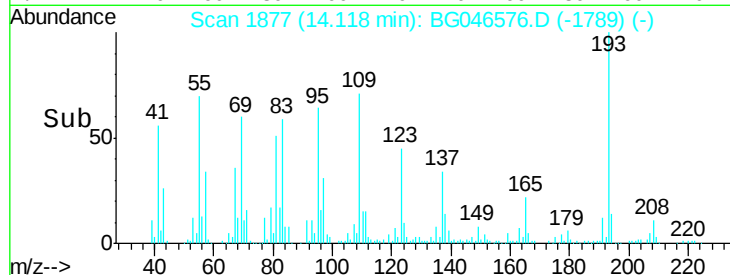
10000

5000

0

14.05 14.10 14.15

Time-->



#53

3-Nitroaniline

Concen: 7.733 ng

RT: 14.48 min Scan# 1938

Delta R.T. 0.01 min

Lab File: BG046576.D

Acq: 9 Sep 2020 17:16

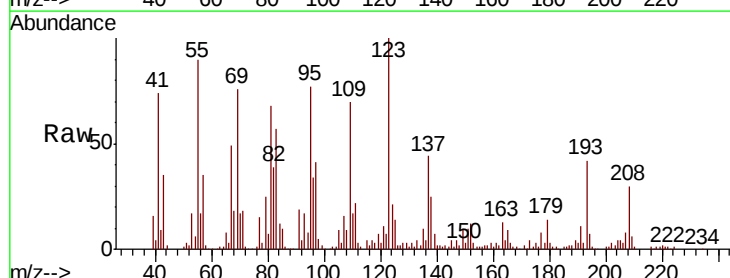
Tgt Ion:138 Resp: 27267

Ion Ratio Lower Upper

138 100

108 35.3 7.0 10.6#

92 14.0 84.6 127.0#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

14.48

20000

15000

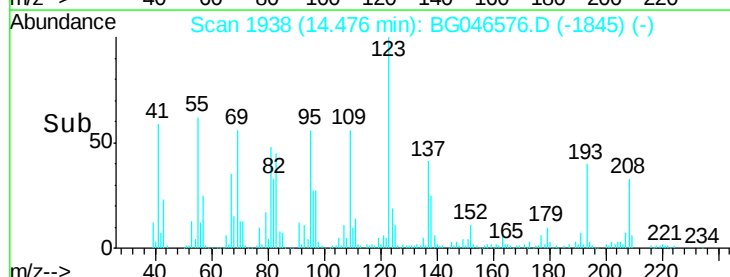
10000

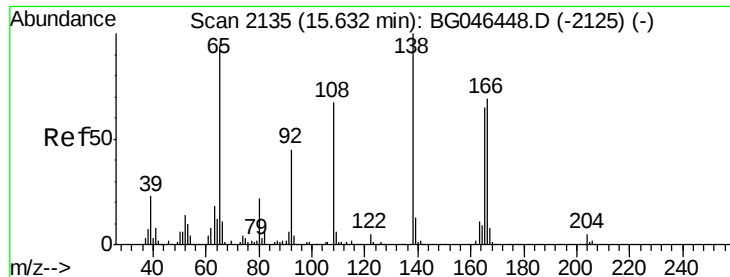
5000

0

14.40 14.45 14.50

Time-->

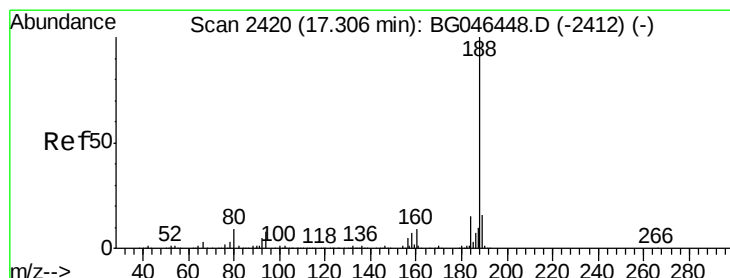
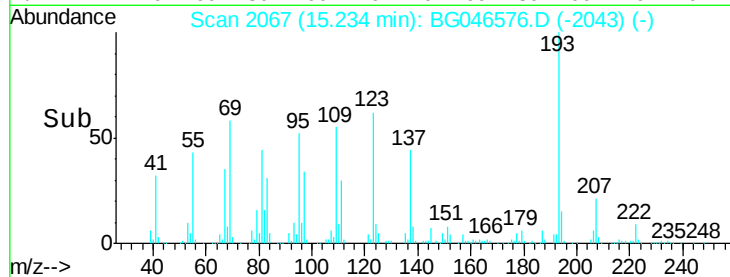
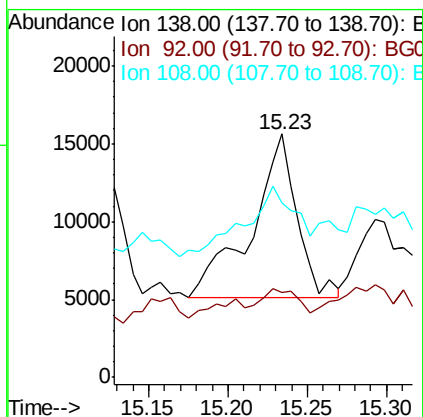
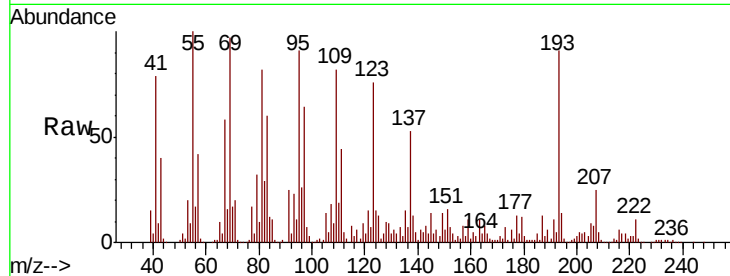




#62  
4-Nitroaniline  
Concen: 5.626 ng  
RT: 15.23 min Scan# 2067  
Delta R.T. -0.39 min  
Lab File: BG046576.D  
Acq: 9 Sep 2020 17:16

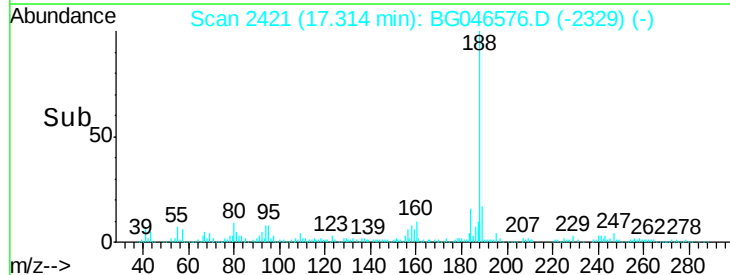
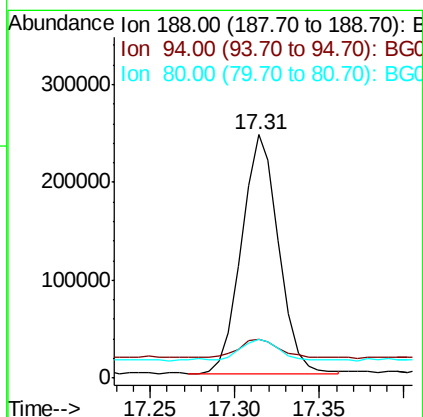
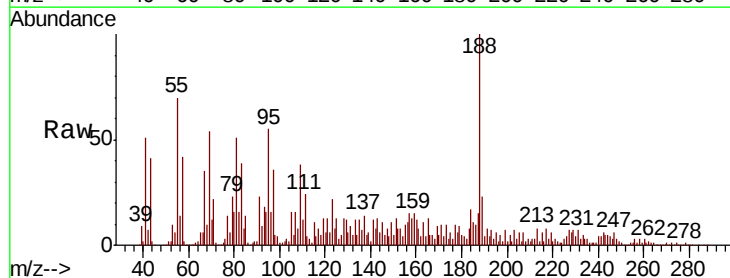
Instrument :  
BNA\_G  
ClientSampleId :  
VNJ-218

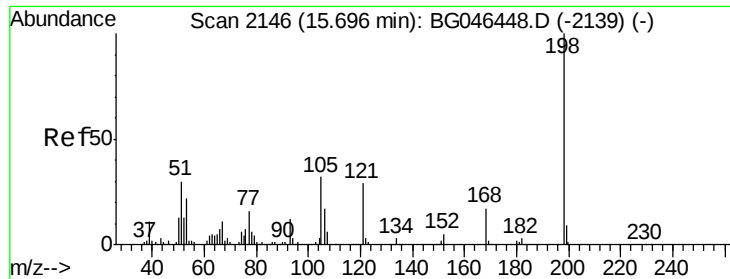
Tot Ion:138 Resp: 20932  
Ion Ratio Lower Upper  
138 100  
92 34.6 25.3 65.3  
108 71.6 46.7 86.7



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.31 min Scan# 2421  
Delta R.T. 0.01 min  
Lab File: BG046576.D  
Acq: 9 Sep 2020 17:16

Tgt Ion:188 Resp: 372264  
Ion Ratio Lower Upper  
188 100  
94 16.0 6.3 9.5#  
80 16.2 6.9 10.3#

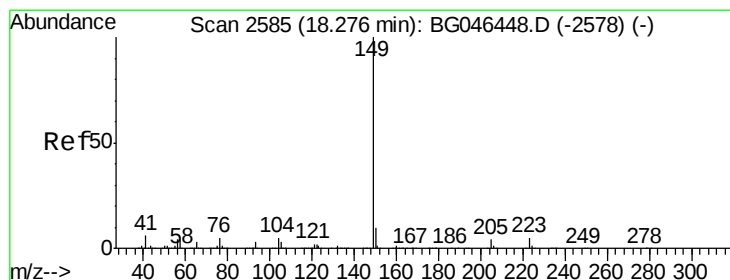
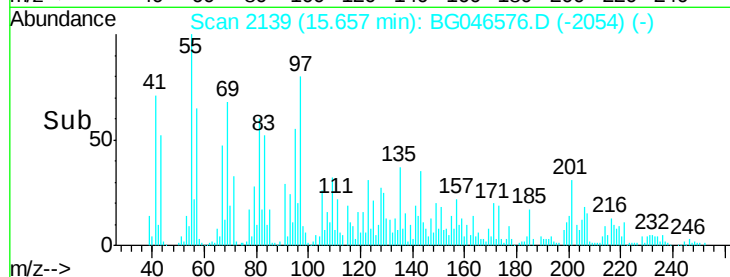
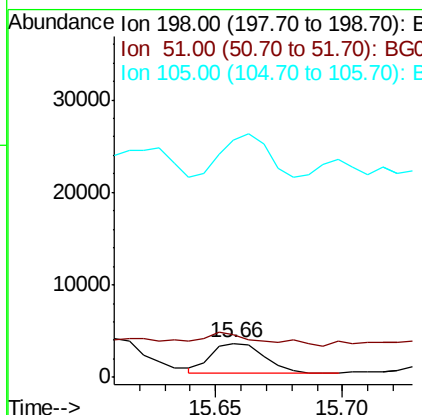
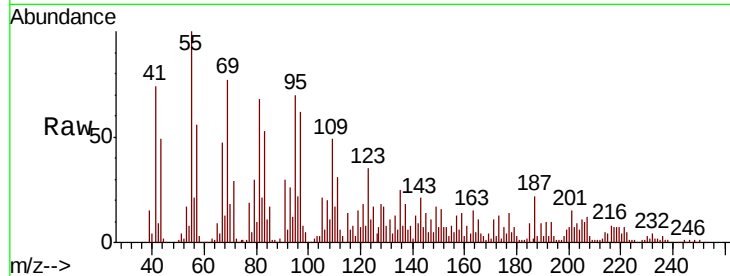




#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 2.213 ng  
 RT: 15.66 min Scan# 2139  
 Delta R.T. -0.03 min  
 Lab File: BG046576.D  
 Acq: 9 Sep 2020 17:16

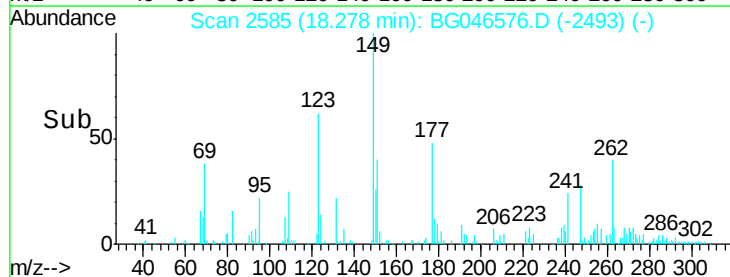
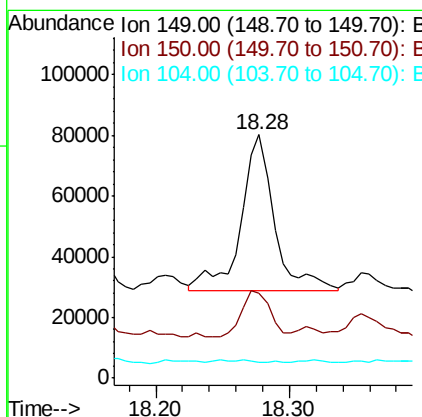
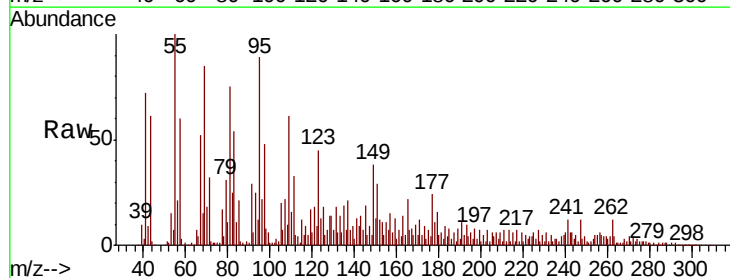
Instrument :  
 BNA\_G  
 ClientSampleId :  
 VNJ-218

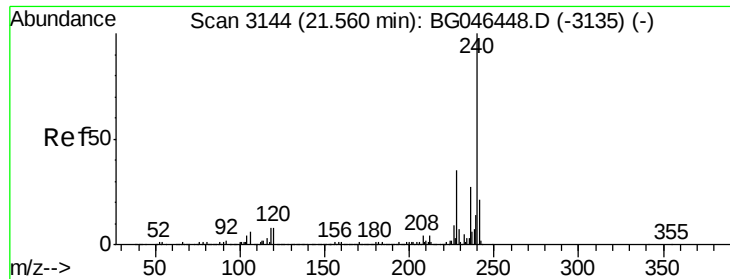
Tot Ion:198 Resp: 4663  
 Ion Ratio Lower Upper  
 198 100  
 51 125.7 10.4 50.4#  
 105 701.8 12.4 52.4#



#74  
 Di-n-butylphthalate  
 Concen: 4.409 ng  
 RT: 18.28 min Scan# 2585  
 Delta R.T. 0.01 min  
 Lab File: BG046576.D  
 Acq: 9 Sep 2020 17:16

Tgt Ion:149 Resp: 89121  
 Ion Ratio Lower Upper  
 149 100  
 150 35.1 8.1 12.1#  
 104 6.5 4.0 6.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.56 min Scan# 3143

Delta R.T. 0.00 min

Lab File: BG046576.D

Acq: 9 Sep 2020 17:16

Instrument :

BNA\_G

ClientSampleId :

VNJ-218

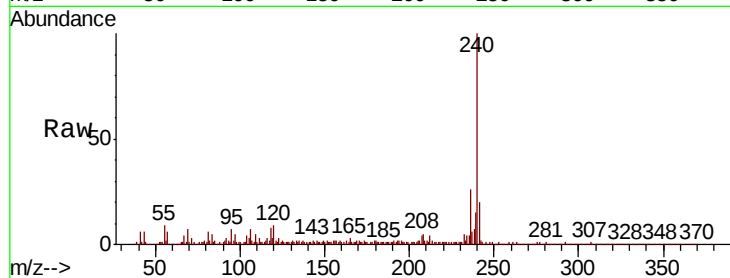
Tot Ion:240 Resp: 437576

Ion Ratio Lower Upper

240 100

120 8.6 6.6 10.0

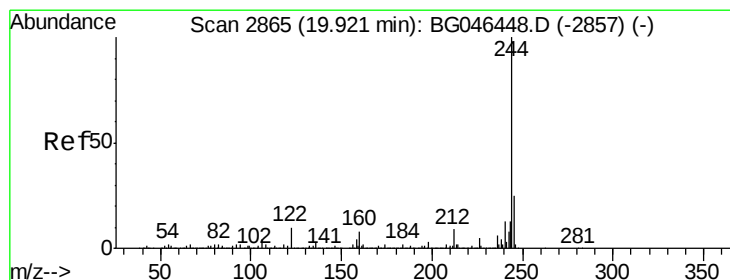
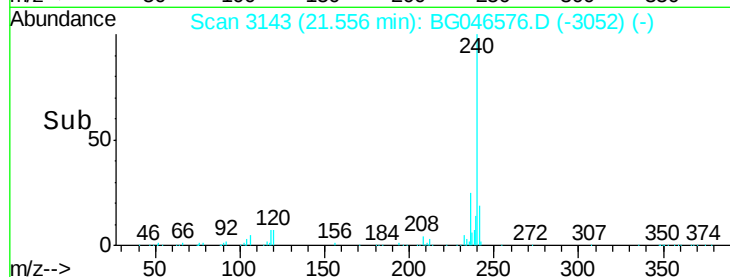
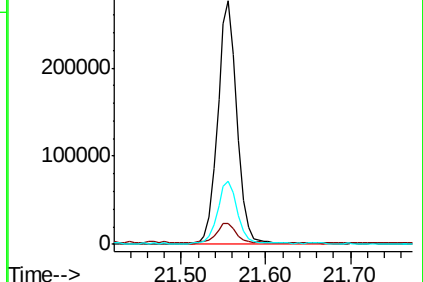
236 26.0 21.4 32.2



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



#79

Terphenyl-d14

Concen: 49.572 ng

RT: 19.93 min Scan# 2866

Delta R.T. 0.01 min

Lab File: BG046576.D

Acq: 9 Sep 2020 17:16

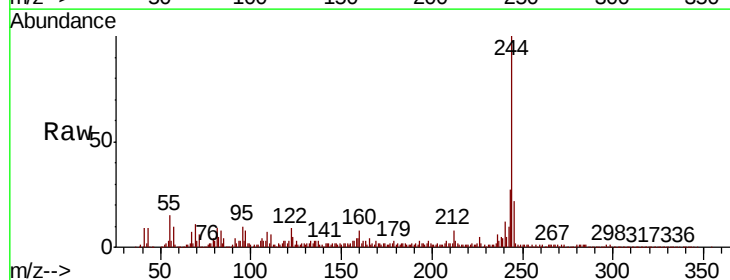
Tgt Ion:244 Resp: 1019260

Ion Ratio Lower Upper

244 100

212 8.4 6.9 10.3

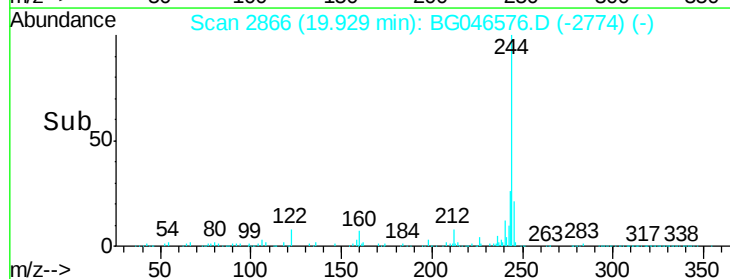
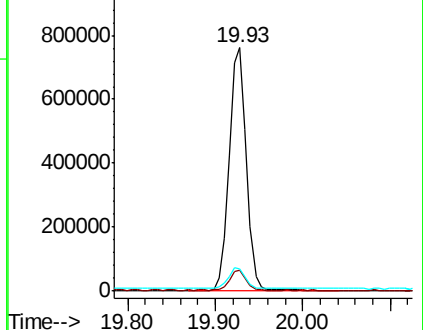
122 9.2 8.2 12.4

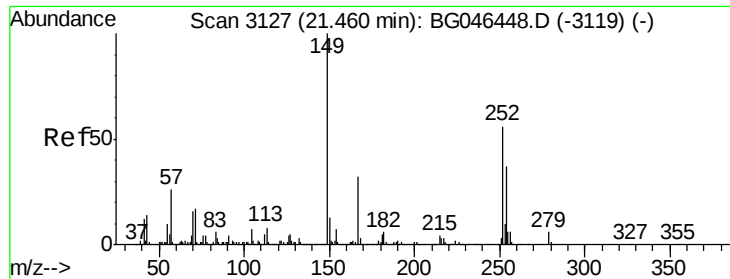


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.197 ng

RT: 21.45 min Scan# 3125

Delta R.T. -0.00 min

Lab File: BG046576.D

Acq: 9 Sep 2020 17:16

Instrument :

BNA\_G

ClientSampleId :

VNJ-218

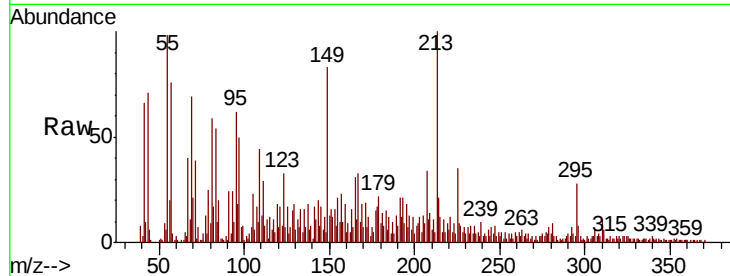
Tot Ion:149 Resp: 32588

Ion Ratio Lower Upper

149 100

167 39.3 25.4 38.2#

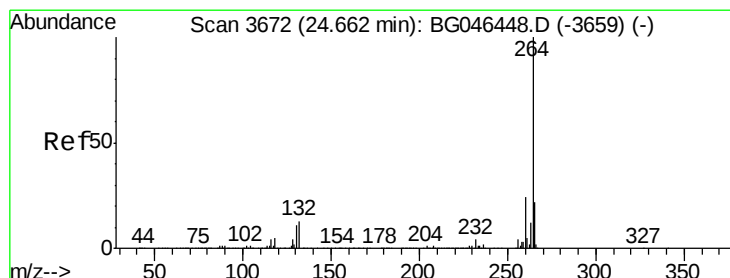
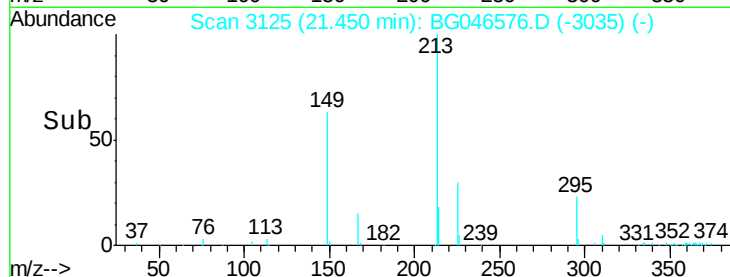
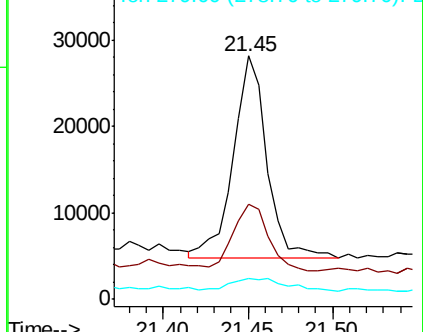
279 8.6 4.5 6.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.65 min Scan# 3669

Delta R.T. -0.01 min

Lab File: BG046576.D

Acq: 9 Sep 2020 17:16

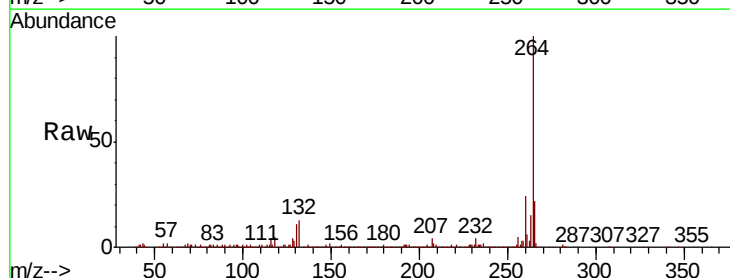
Tgt Ion:264 Resp: 455884

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 21.9 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

