

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG031820\  
 Data File : BG044874.D  
 Acq On : 18 Mar 2020 21:49  
 Operator : CG/JU  
 Sample : L1948-09  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OILY-STONES

Quant Time: Mar 19 01:43:32 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG031020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 16 17:37:15 2020  
 Response via : Initial Calibration

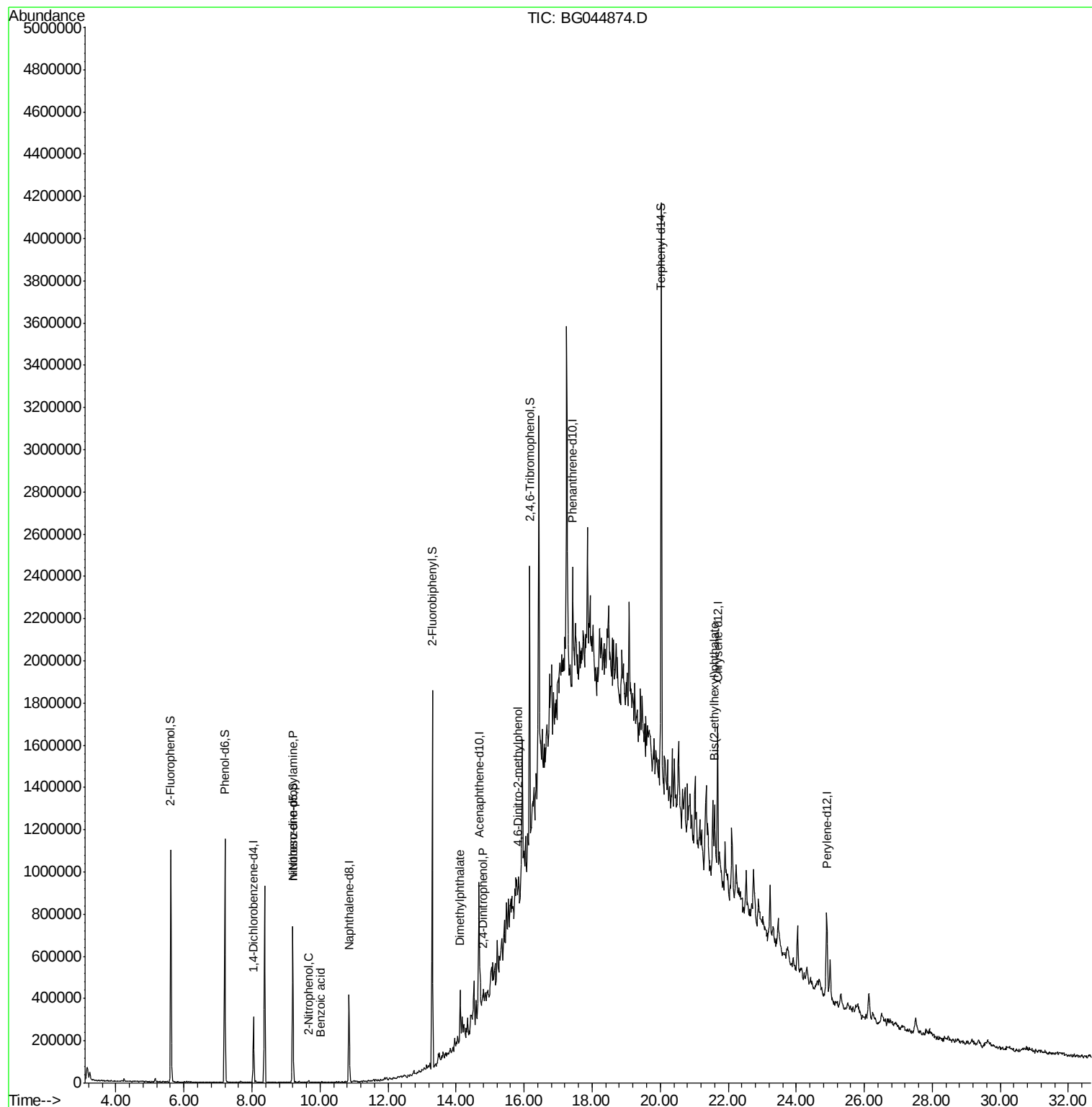
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.05  | 152  | 90898    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.85 | 136  | 347321   | 20.00     | ng    | -0.01    |
| 39) Acenaphthene-d10           | 14.67 | 164  | 193117   | 20.00     | ng    | -0.01    |
| 64) Phenanthrene-d10           | 17.42 | 188  | 368157   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12               | 21.69 | 240  | 384358   | 20.00     | ng    | -0.01    |
| 87) Perylene-d12               | 24.90 | 264  | 432656   | 20.00     | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.62  | 112  | 500453   | 85.71     | ng    | 0.00     |
| 7) Phenol-d6                   | 7.20  | 99   | 699441   | 82.44     | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.20  | 82   | 472924   | 59.75     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.16 | 330  | 223878   | 88.54     | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 13.30 | 172  | 954296   | 70.76     | ng    | 0.00     |
| 79) Terphenyl-d14              | 20.03 | 244  | 1245075  | 60.59     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 7.15  | 77   | 61       | Below Cal | #     | 6        |
| 19) n-Nitroso-di-n-propylamine | 9.20  | 70   | 61998    | 10.35     | ng    | # 77     |
| 26) 2-Nitrophenol              | 9.67  | 139  | 54       | 5.53      | ng    | # 11     |
| 32) Benzoic acid               | 10.03 | 122  | 83       | 9.69      | ng    | # 1      |
| 50) Dimethylphthalate          | 14.12 | 163  | 121261   | 7.88      | ng    | 96       |
| 54) 2,4-Dinitrophenol          | 14.79 | 184  | 115      | 8.39      | ng    | # 58     |
| 65) 4,6-Dinitro-2-methylphenol | 15.81 | 198  | 272      | 7.86      | ng    | # 1      |
| 84) Bis(2-ethylhexyl)phthalate | 21.60 | 149  | 106207   | 6.13      | ng    | 97       |

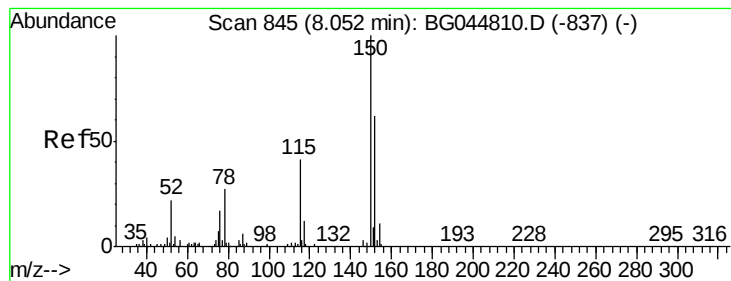
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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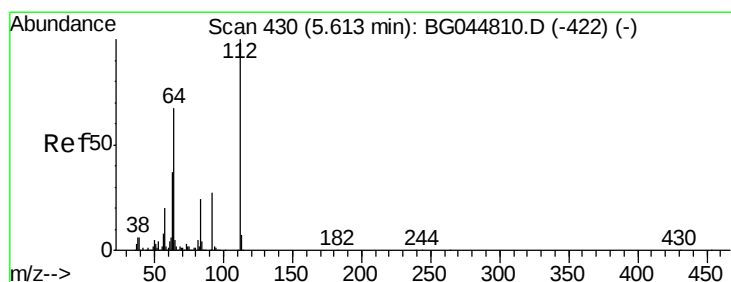
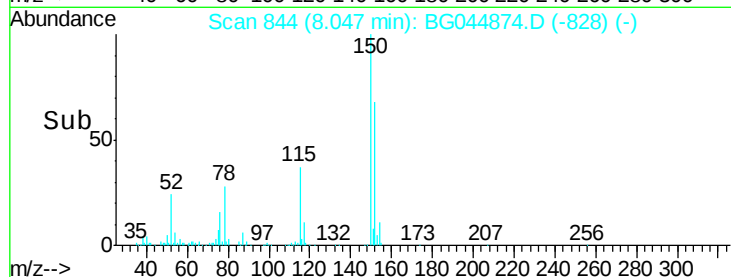
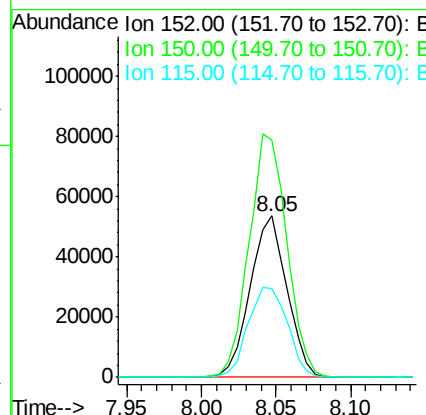
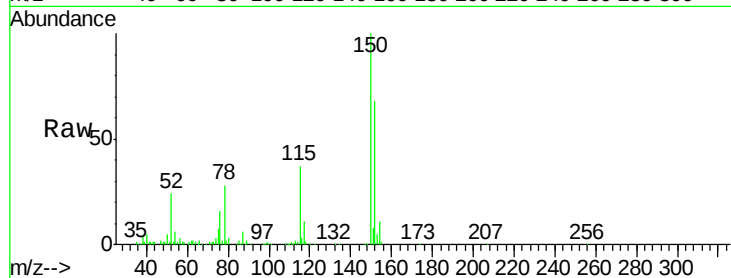


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.05 min Scan# 844  
Delta R.T. -0.00 min  
Lab File: BG044874.D  
Acq: 18 Mar 2020 21:49

Instrument :  
BNA\_G  
ClientSampleId :  
OILY-STONES

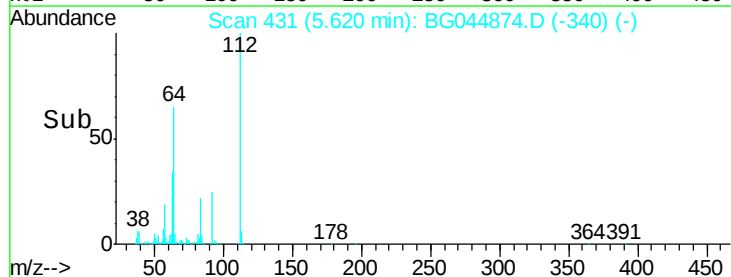
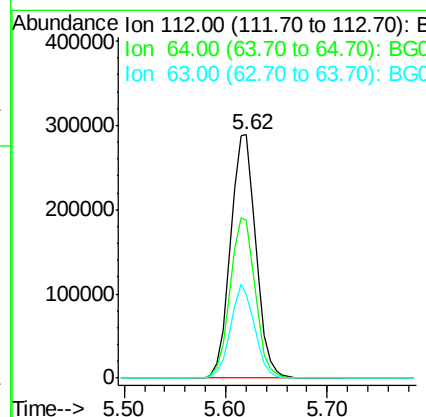
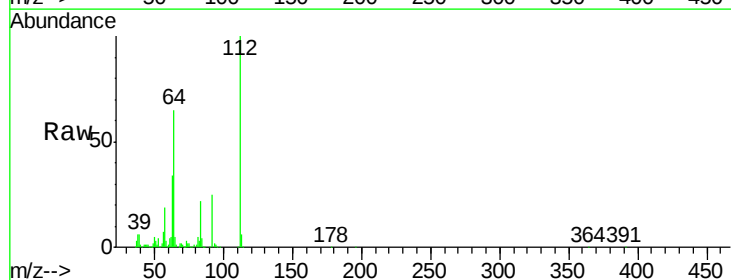
Tgt Ion:152 Resp: 90898  
Ion Ratio Lower Upper  
152 100  
150 147.1 128.8 193.2  
115 55.1 52.6 79.0

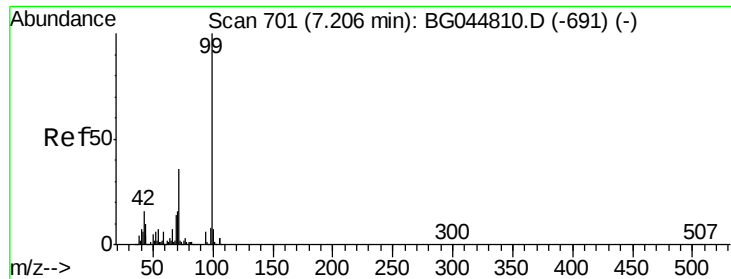


#5

2-Fluorophenol  
Concen: 85.71 ng  
RT: 5.62 min Scan# 431  
Delta R.T. 0.01 min  
Lab File: BG044874.D  
Acq: 18 Mar 2020 21:49

Tgt Ion:112 Resp: 500453  
Ion Ratio Lower Upper  
112 100  
64 65.0 53.4 80.2  
63 34.4 29.4 44.2





#7

Phenol-d6

Concen: 82.44 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044874.D

Acq: 18 Mar 2020 21:49

Instrument :

BNA\_G

ClientSampleId :

OILY-STONES

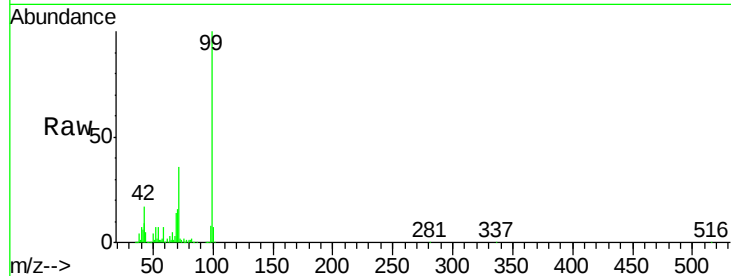
Tgt Ion: 99 Resp: 699441

Ion Ratio Lower Upper

99 100

42 16.6 12.6 19.0

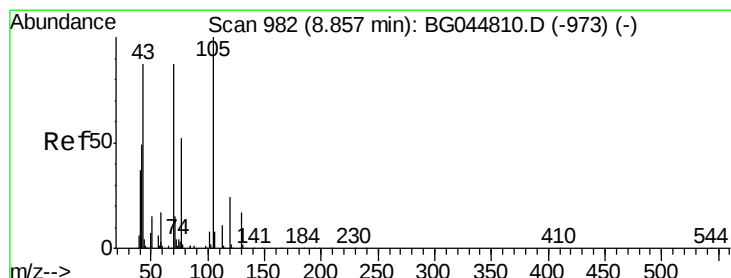
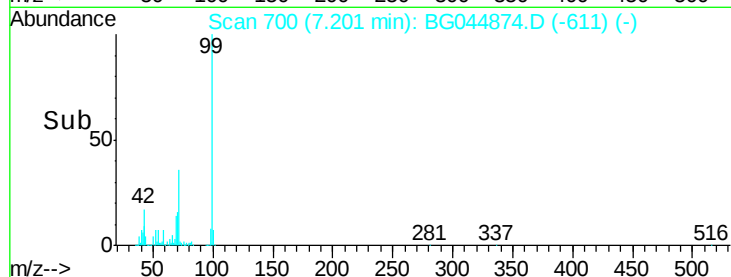
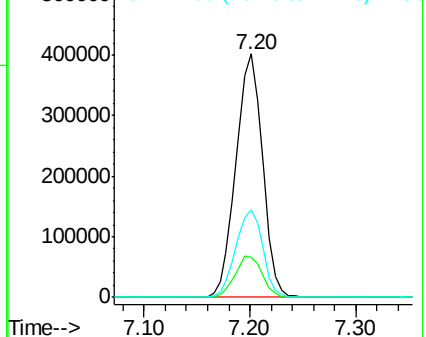
71 35.8 29.0 43.4



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: 10.35 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044874.D

Acq: 18 Mar 2020 21:49

Tgt Ion: 70 Resp: 61998

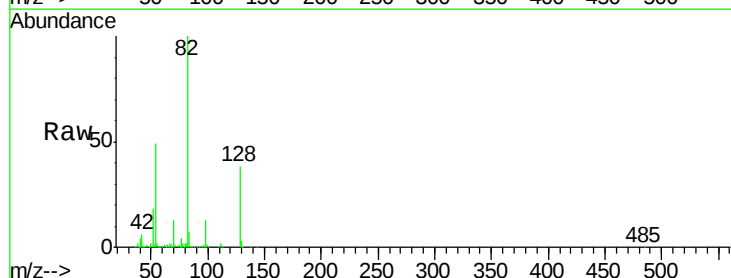
Ion Ratio Lower Upper

70 100

42 44.3 45.7 68.5#

101 0.0 7.4 11.2#

130 2.5 15.9 23.9#

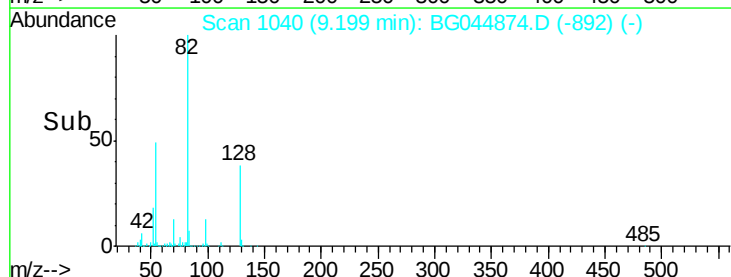
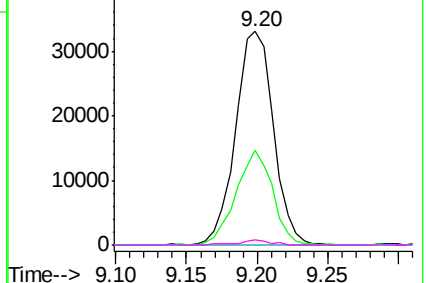


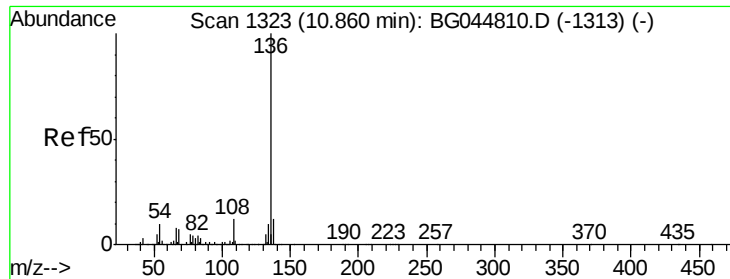
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

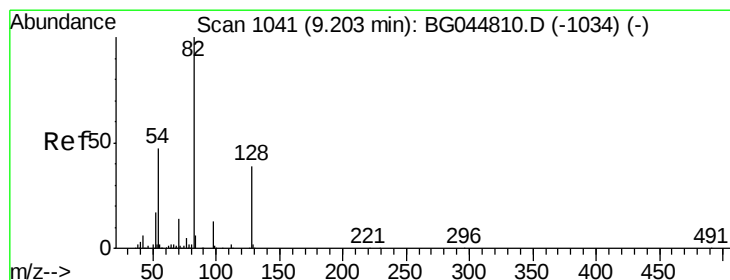
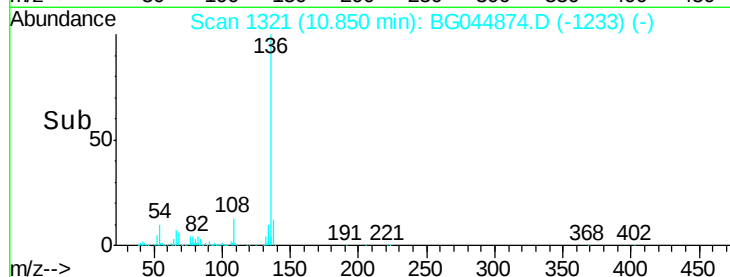
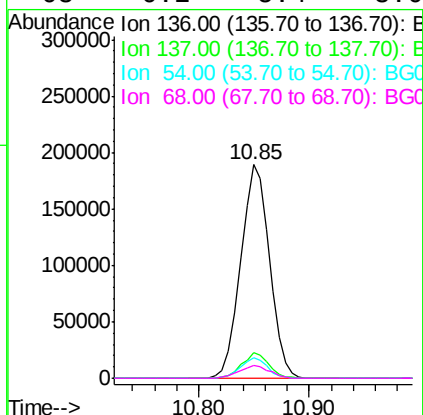
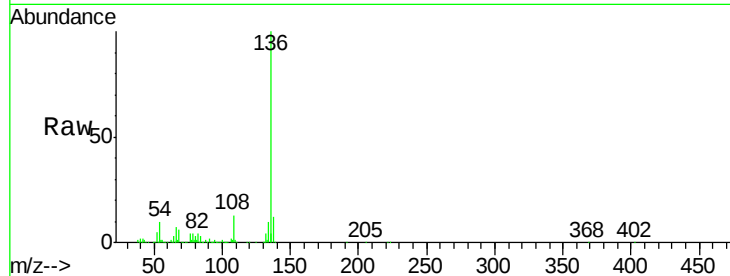




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.85 min Scan# 1321  
Delta R.T. -0.01 min  
Lab File: BG044874.D  
Acq: 18 Mar 2020 21:49

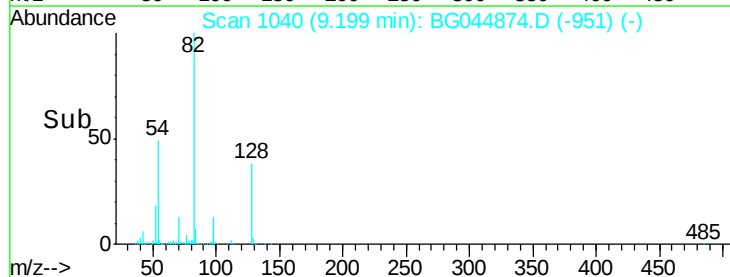
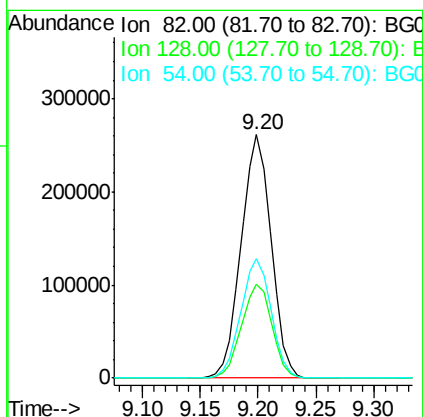
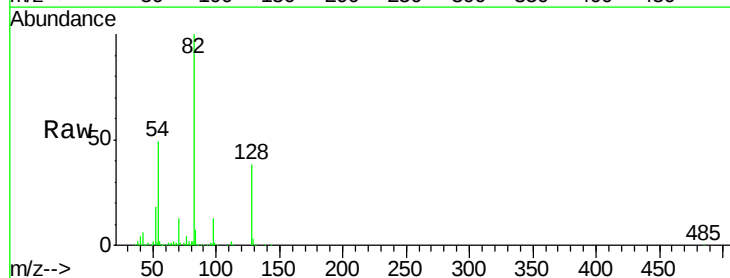
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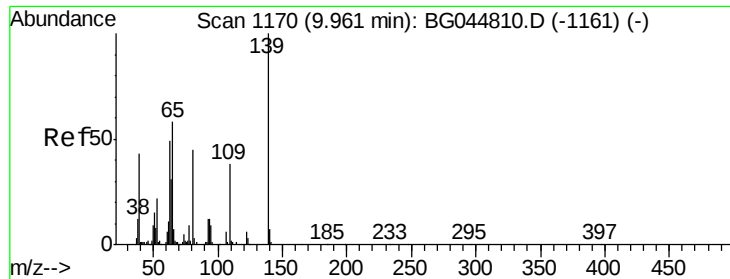
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 347321 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.7  | 9.8   | 14.6   |
| 54       | 9.6   | 7.9   | 11.9   |
| 68       | 6.2   | 5.4   | 8.0    |



#23  
Nitrobenzene-d5  
Concen: 59.75 ng  
RT: 9.20 min Scan# 1040  
Delta R.T. -0.00 min  
Lab File: BG044874.D  
Acq: 18 Mar 2020 21:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 472924 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 38.5  | 30.6  | 46.0   |
| 54       | 49.0  | 37.1  | 55.7   |

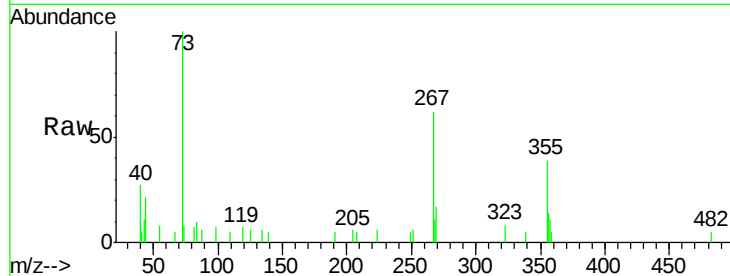




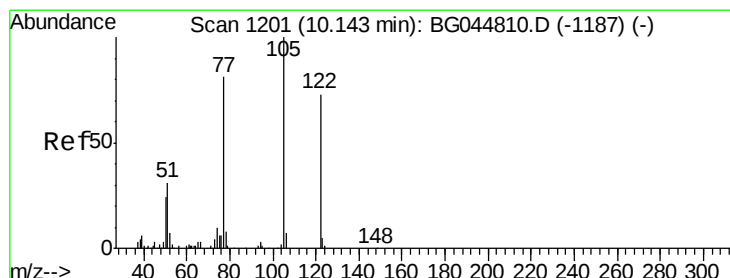
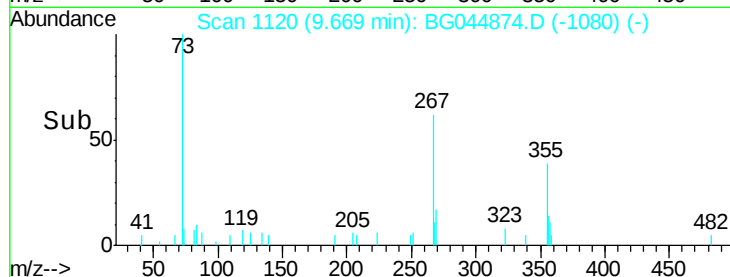
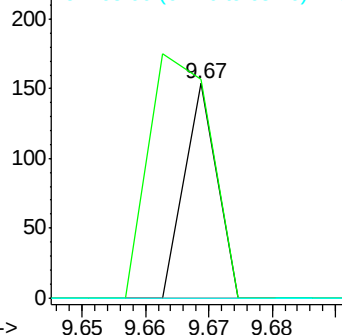
#26  
2-Nitrophenol  
Concen: 5.53 ng  
RT: 9.67 min Scan# 1120  
Delta R.T. -0.29 min  
Lab File: BG044874.D  
Acq: 18 Mar 2020 21:49

Instrument :  
BNA\_G  
ClientSampleId :  
OILY-STONES

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 101.9 | 30.2  | 45.4# |
| 65      | 0.0   | 46.3  | 69.5# |

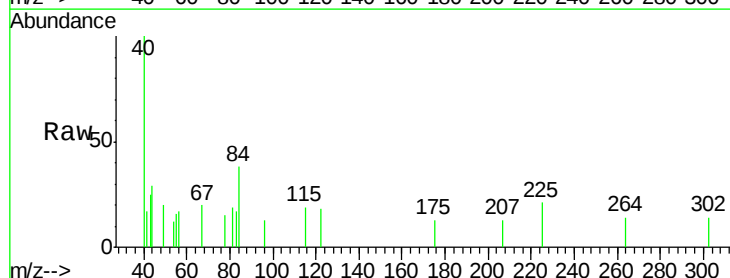


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BGC

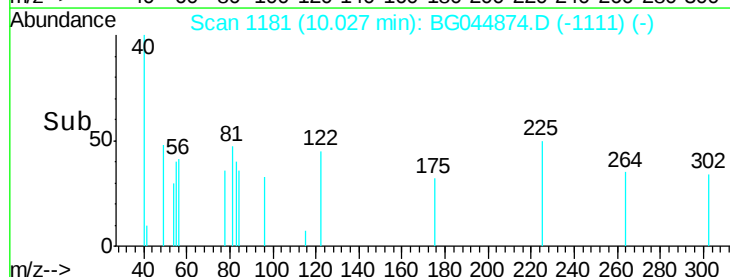
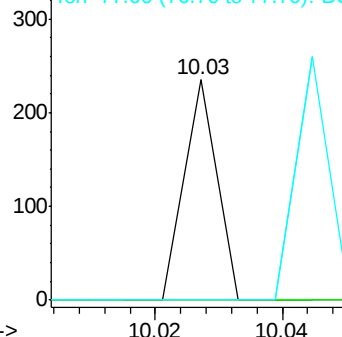


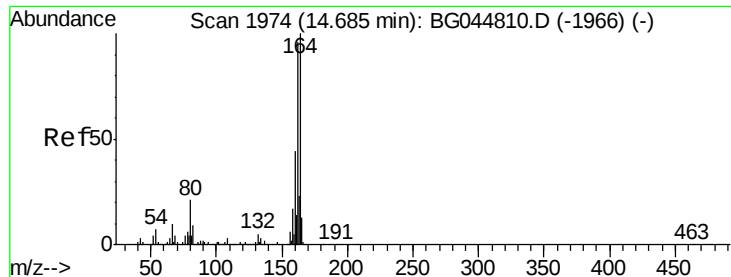
#32  
Benzoic acid  
Concen: 9.69 ng  
RT: 10.03 min Scan# 1181  
Delta R.T. -0.12 min  
Lab File: BG044874.D  
Acq: 18 Mar 2020 21:49

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 0.0   | 109.1 | 149.1# |
| 77      | 0.0   | 85.3  | 125.3# |



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044874.D

Acq: 18 Mar 2020 21:49

Instrument :

BNA\_G

ClientSampleId :

OILY-STONES

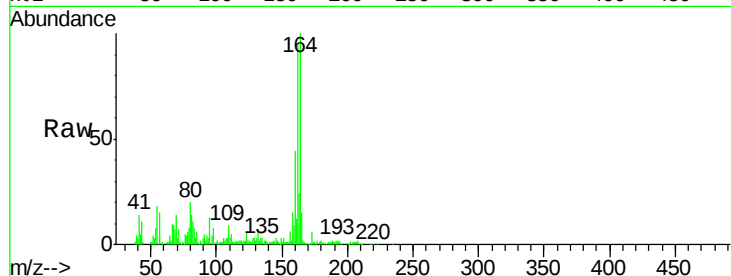
Tgt Ion:164 Resp: 193117

Ion Ratio Lower Upper

164 100

162 94.6 76.7 115.1

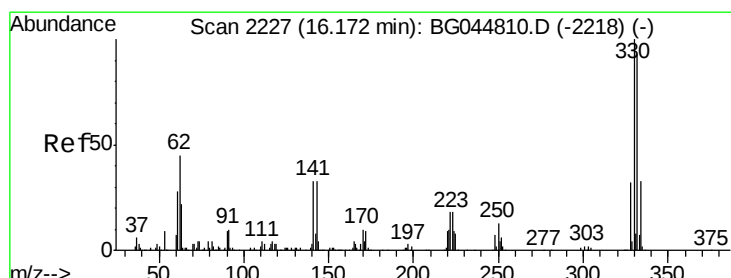
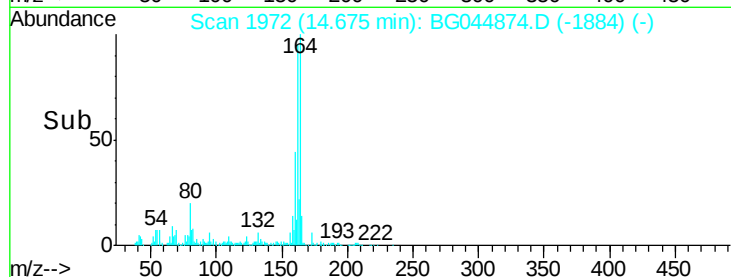
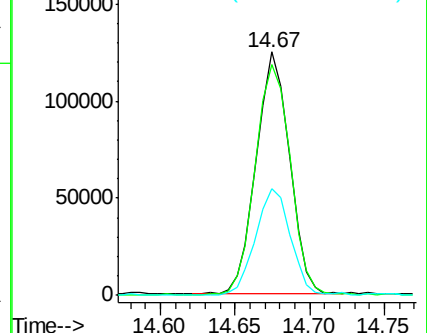
160 43.9 35.0 52.4



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: 88.54 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044874.D

Acq: 18 Mar 2020 21:49

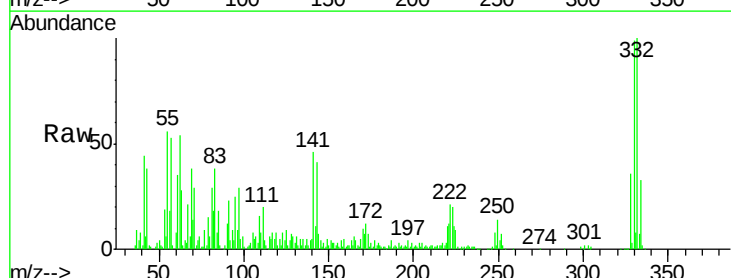
Tgt Ion:330 Resp: 223878

Ion Ratio Lower Upper

330 100

332 99.4 77.8 116.6

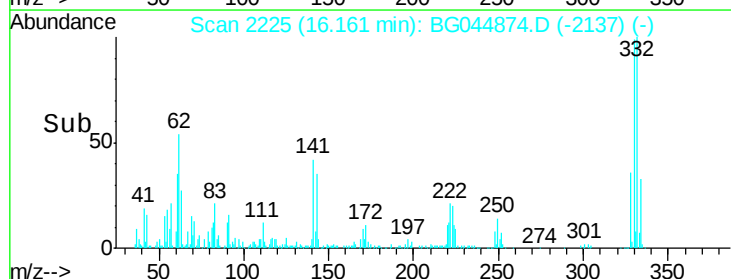
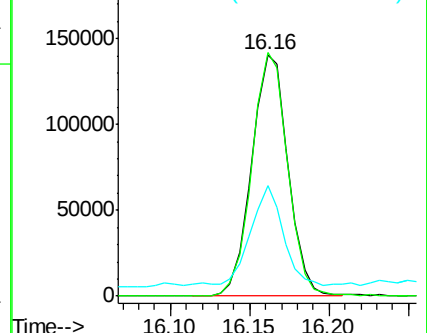
141 38.4 29.5 44.3

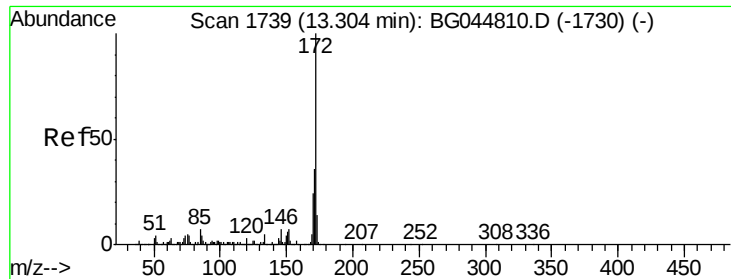


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

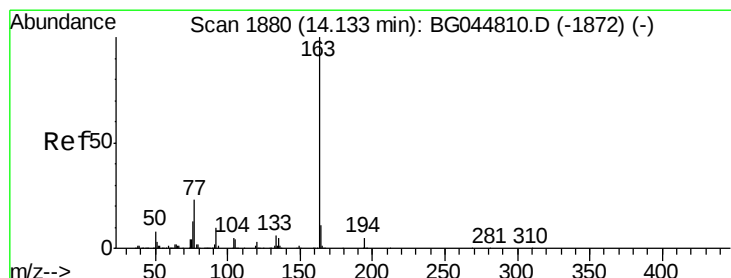
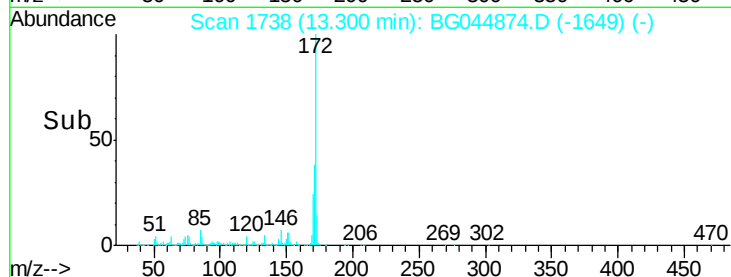
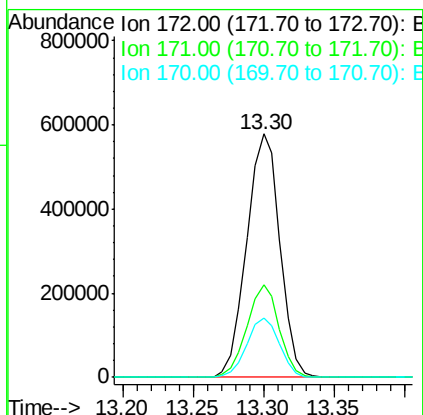
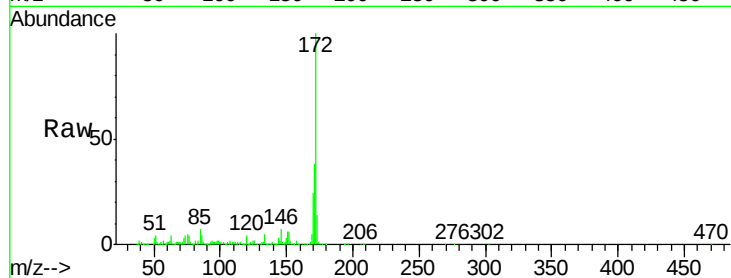




#45  
 2-Fluorobiphenyl  
 Concen: 70.76 ng  
 RT: 13.30 min Scan# 1738  
 Delta R.T. -0.00 min  
 Lab File: BG044874.D  
 Acq: 18 Mar 2020 21:49

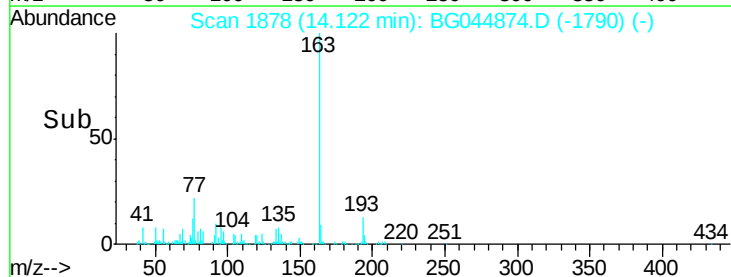
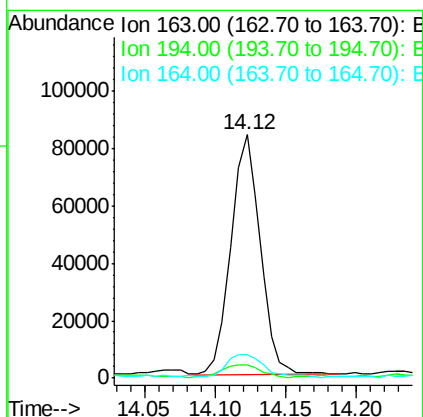
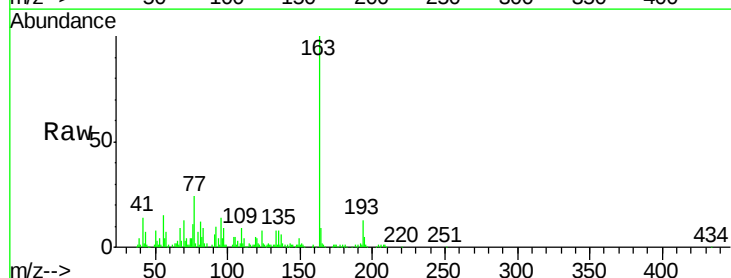
Instrument :  
 BNA\_G  
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 OILY-STONES

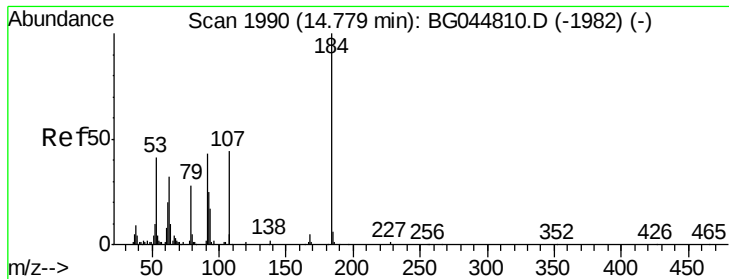
Tgt Ion:172 Resp: 954296  
 Ion Ratio Lower Upper  
 172 100  
 171 37.9 28.7 43.1  
 170 24.2 19.0 28.6



#50  
 Dimethylphthalate  
 Concen: 7.88 ng  
 RT: 14.12 min Scan# 1878  
 Delta R.T. -0.01 min  
 Lab File: BG044874.D  
 Acq: 18 Mar 2020 21:49

Tgt Ion:163 Resp: 121261  
 Ion Ratio Lower Upper  
 163 100  
 194 5.2 3.7 5.5  
 164 9.4 9.1 13.7

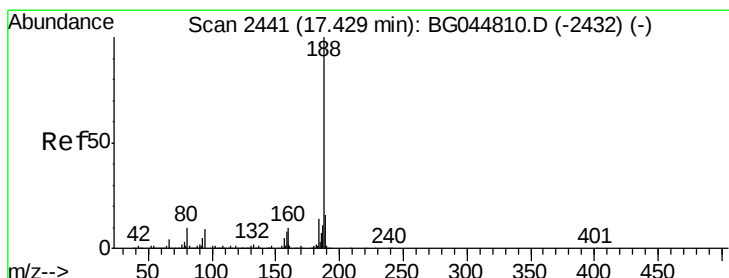
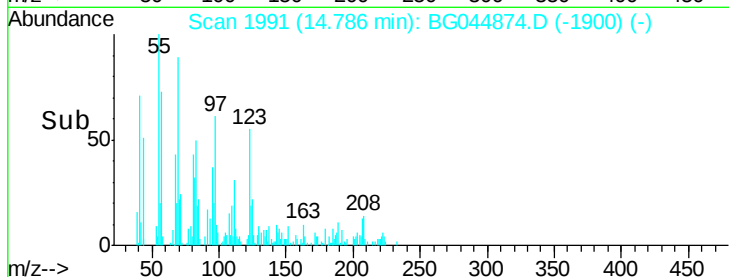
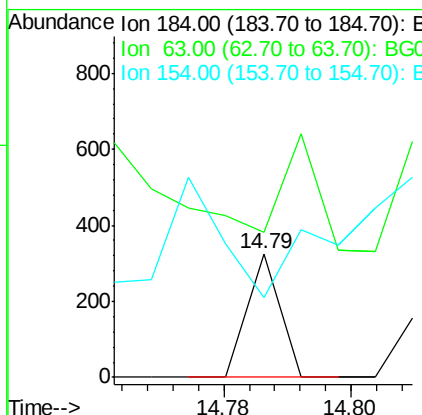
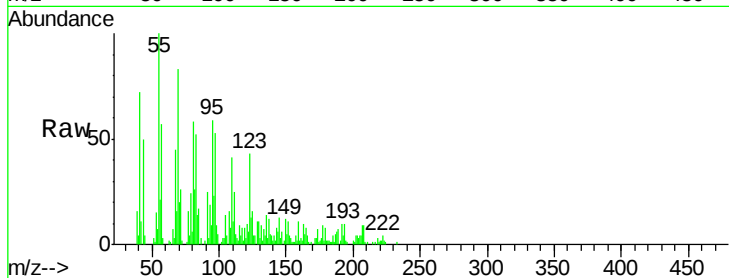




#54  
 2,4-Dinitrophenol  
 Concen: 8.39 ng  
 RT: 14.79 min Scan# 1991  
 Delta R.T. 0.01 min  
 Lab File: BG044874.D  
 Acq: 18 Mar 2020 21:49

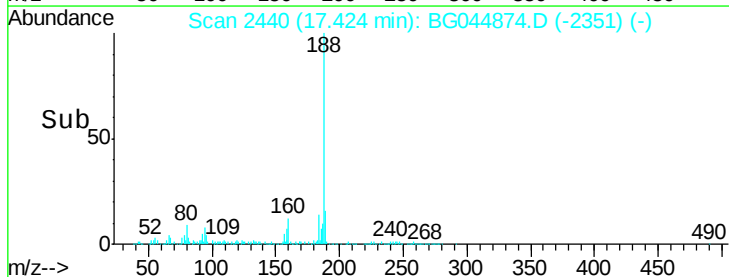
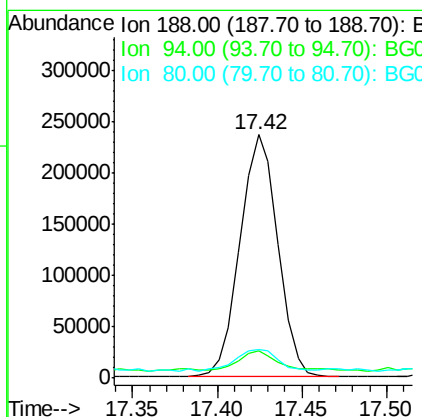
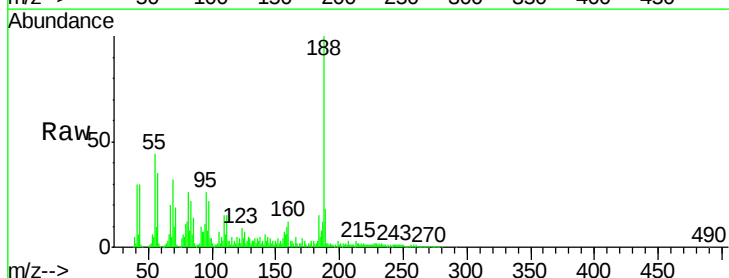
Instrument :  
 BNA\_G  
 ClientSampleId :  
 OILY-STONES

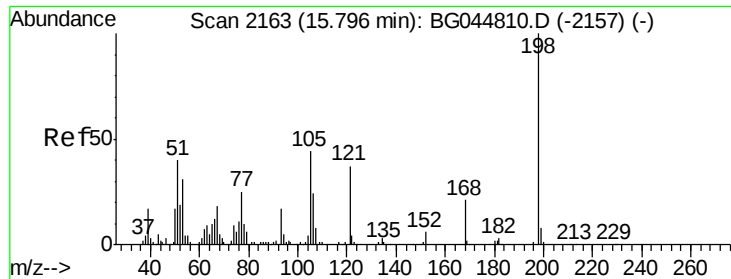
Tgt Ion:184 Resp: 115  
 Ion Ratio Lower Upper  
 184 100  
 63 117.8 45.5 68.3#  
 154 64.6 49.1 73.7



#64  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.42 min Scan# 2440  
 Delta R.T. -0.00 min  
 Lab File: BG044874.D  
 Acq: 18 Mar 2020 21:49

Tgt Ion:188 Resp: 368157  
 Ion Ratio Lower Upper  
 188 100  
 94 11.2 7.3 10.9#  
 80 11.5 8.0 12.0





#65

4,6-Dinitro-2-methylphenol

Concen: 7.86 ng

RT: 15.81 min Scan# 2166

Delta R.T. 0.02 min

Lab File: BG044874.D

Acq: 18 Mar 2020 21:49

Instrument :

BNA\_G

ClientSampleId :

OILY-STONES

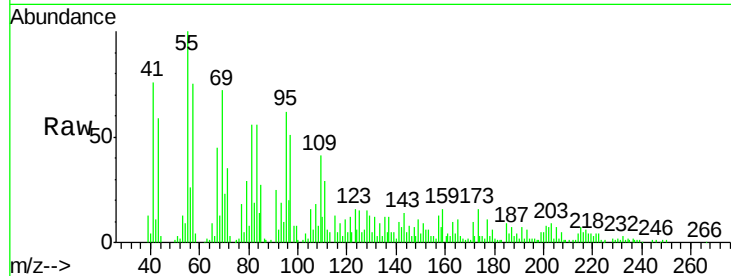
Tgt Ion:198 Resp: 272

Ion Ratio Lower Upper

198 100

51 391.9 21.1 61.1#

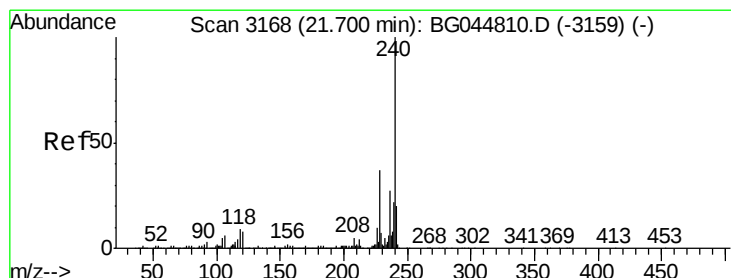
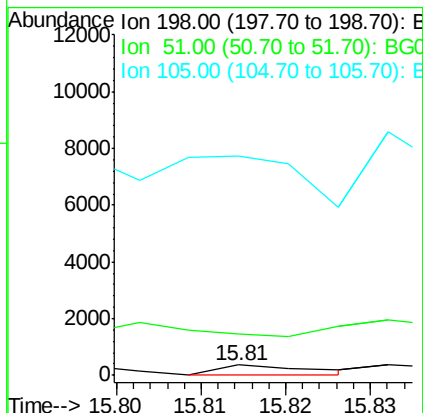
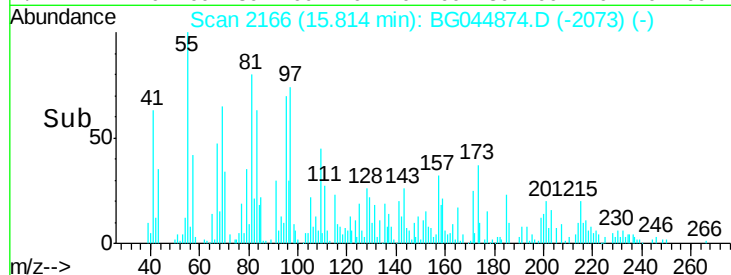
105 2091.4 24.5 64.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG044874.D

Acq: 18 Mar 2020 21:49

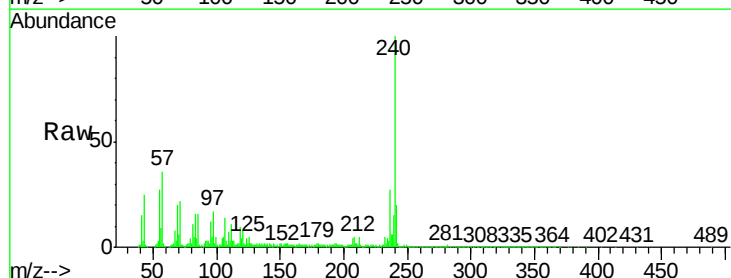
Tgt Ion:240 Resp: 384358

Ion Ratio Lower Upper

240 100

120 8.1 6.7 10.1

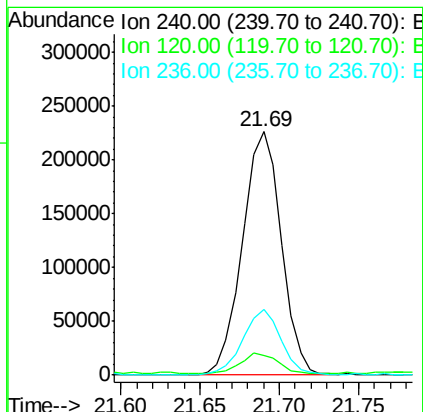
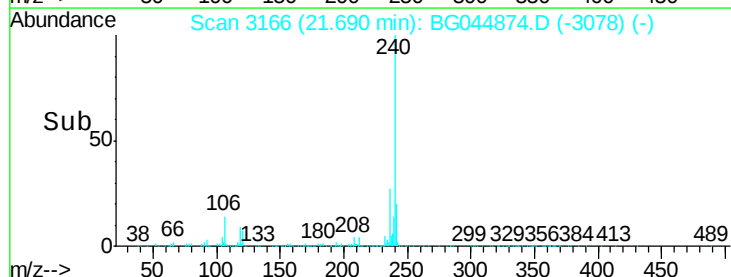
236 27.1 21.5 32.3

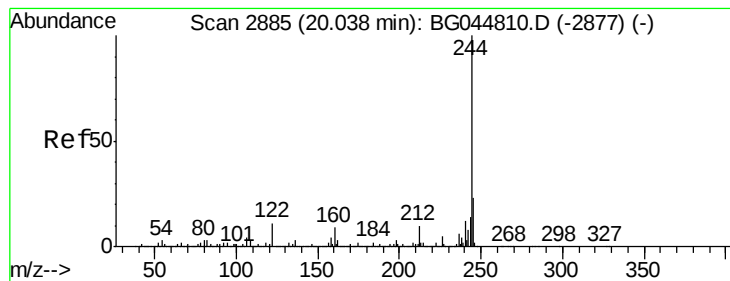


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 60.59 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044874.D

Acq: 18 Mar 2020 21:49

Instrument :

BNA\_G

ClientSampleId :

OILY-STONES

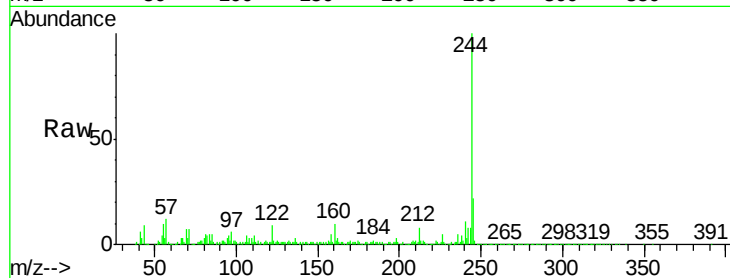
Tgt Ion:244 Resp: 1245075

Ion Ratio Lower Upper

244 100

212 8.4 7.7 11.5

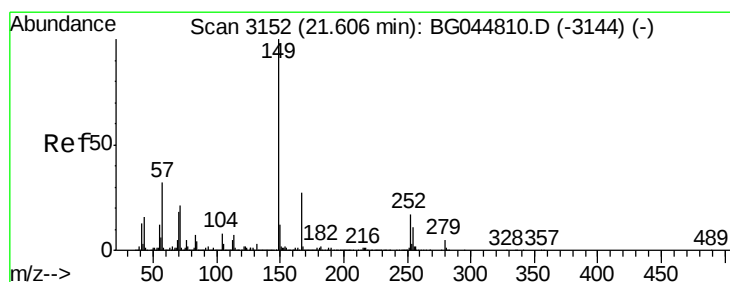
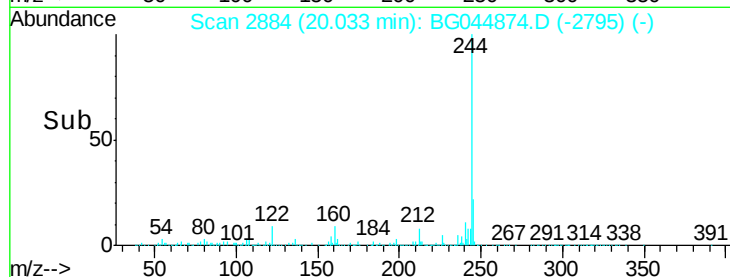
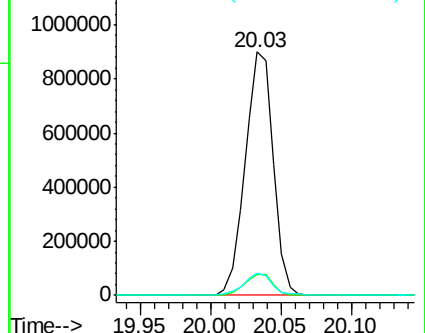
122 8.9 8.6 12.8



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: 6.13 ng

RT: 21.60 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG044874.D

Acq: 18 Mar 2020 21:49

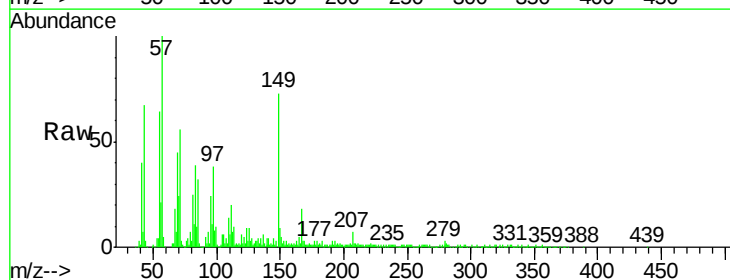
Tgt Ion:149 Resp: 106207

Ion Ratio Lower Upper

149 100

167 25.1 21.8 32.6

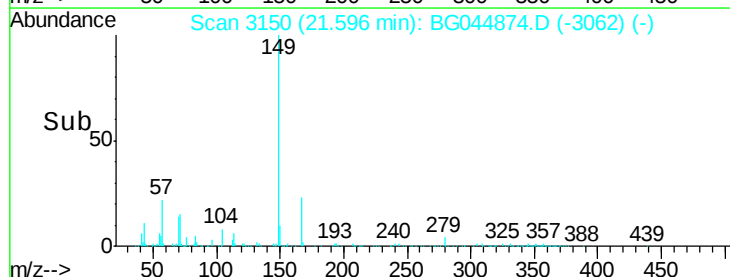
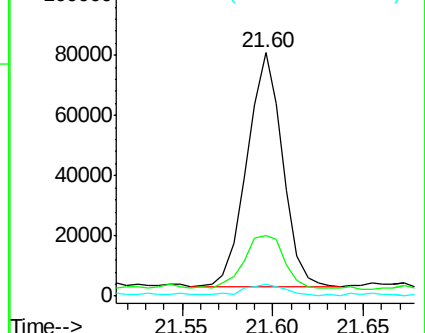
279 4.7 3.8 5.6

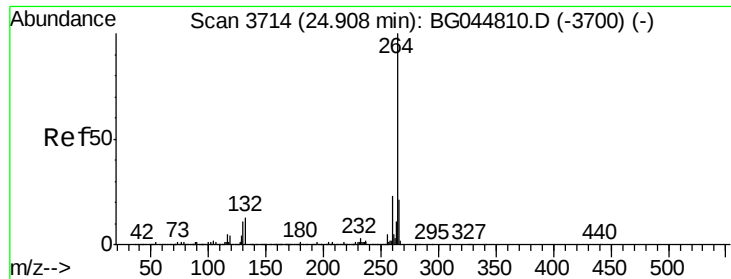


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87  
Perylene-d12  
Concen: 20.00 ng  
RT: 24.90 min Scan# 3712  
Delta R.T. -0.01 min  
Lab File: BG044874.D  
Acq: 18 Mar 2020 21:49

Instrument :  
BNA\_G  
ClientSampleId :  
OILY-STONES

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 18.1  | 27.1  |
| 265     | 21.3  | 17.1  | 25.7  |

