

Data File : BG044192.D  
Acq On : 24 Jan 2020 21:42  
Operator : CG/JU  
Sample : L1246-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SP-1

Quant Time: Jan 25 05:39:28 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG123019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 31 13:32:23 2019  
Response via : Initial Calibration

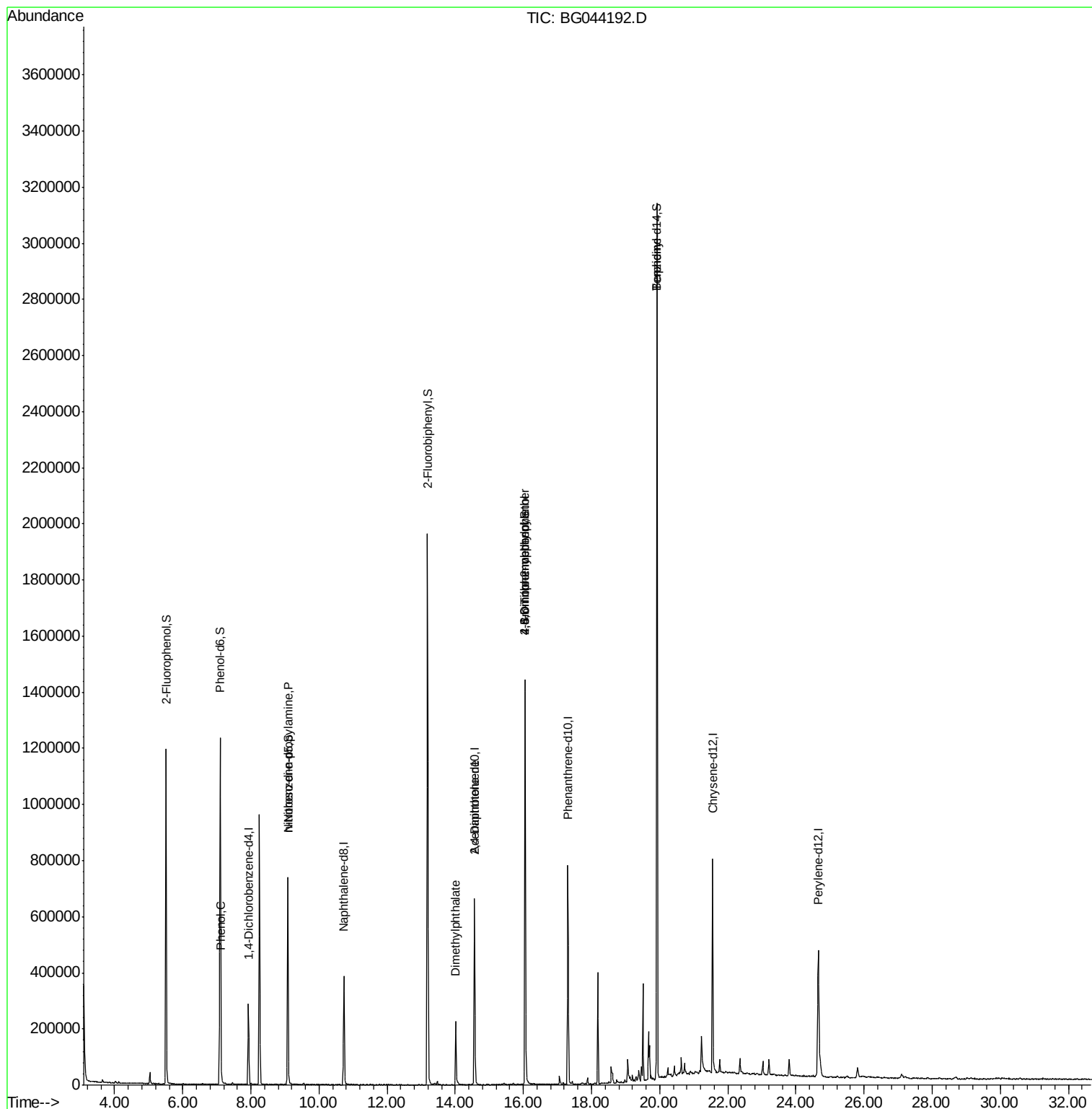
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.93  | 152  | 82962    | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8             | 10.73 | 136  | 371490   | 20.00  | ng    | -0.04    |
| 39) Acenaphthene-d10           | 14.56 | 164  | 254722   | 20.00  | ng    | -0.04    |
| 64) Phenanthrene-d10           | 17.31 | 188  | 509205   | 20.00  | ng    | -0.03    |
| 76) Chrysene-d12               | 21.55 | 240  | 433506   | 20.00  | ng    | -0.04    |
| 87) Perylene-d12               | 24.66 | 264  | 486064   | 20.00  | ng    | -0.07    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.51  | 112  | 572029   | 126.60 | ng    | -0.03    |
| 7) Phenol-d6                   | 7.10  | 99   | 789174   | 124.95 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 9.09  | 82   | 485697   | 69.94  | ng    | -0.04    |
| 42) 2,4,6-Tribromophenol       | 16.05 | 330  | 286554   | 107.50 | ng    | -0.03    |
| 45) 2-Fluorobiphenyl           | 13.19 | 172  | 1095497  | 77.92  | ng    | -0.04    |
| 79) Terphenyl-d14              | 19.92 | 244  | 1467626  | 80.47  | ng    | -0.04    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.12  | 94   | 20091    | 3.087  | ng    | 88       |
| 19) n-Nitroso-di-n-propylamine | 9.08  | 70   | 62817    | 13.355 | ng    | # 78     |
| 50) Dimethylphthalate          | 14.02 | 163  | 181316   | 10.025 | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 14.56 | 165  | 32746    | 5.887  | ng    | # 27     |
| 65) 4,6-Dinitro-2-methylphenol | 16.05 | 198  | 826      | 4.676  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether  | 16.05 | 248  | 20520    | 3.583  | ng    | # 1      |
| 77) Benizidine                 | 19.92 | 184  | 24275    | 2.228  | ng    | # 95     |

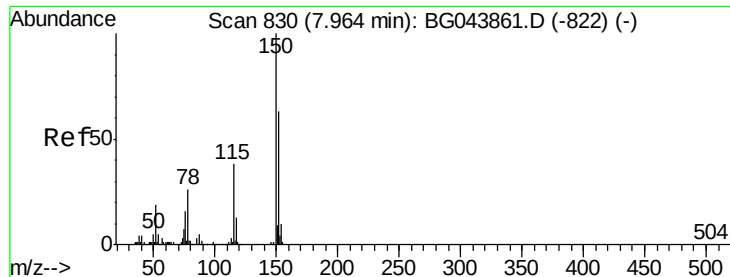
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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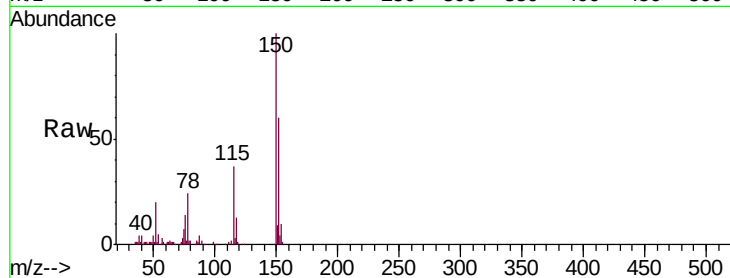


#1

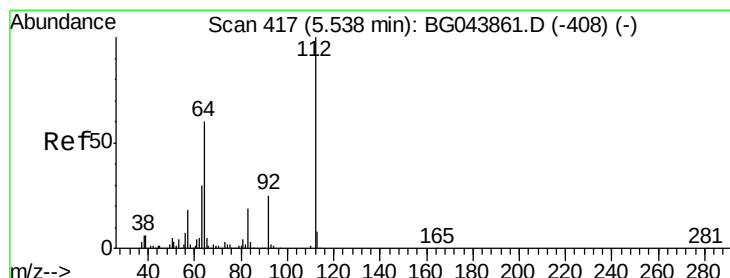
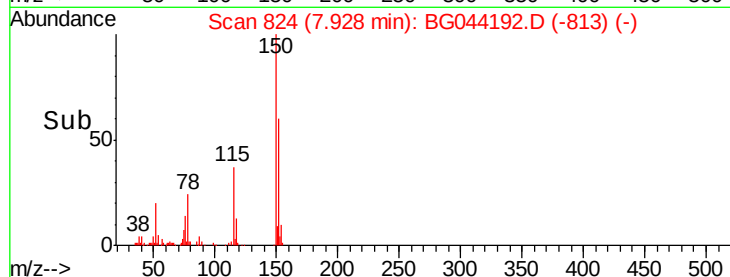
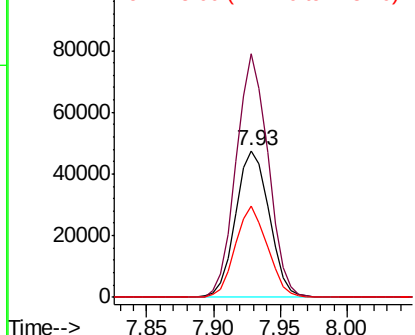
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.93 min Scan# 824  
Delta R.T. -0.04 min  
Lab File: BG044192.D  
Acq: 24 Jan 2020 21:42

Instrument :  
BNA\_G  
ClientSampled :  
SP-1

Tgt Ion:152 Resp: 82962  
Ion Ratio Lower Upper  
152 100  
150 165.8 127.0 190.4  
115 61.9 47.8 71.8



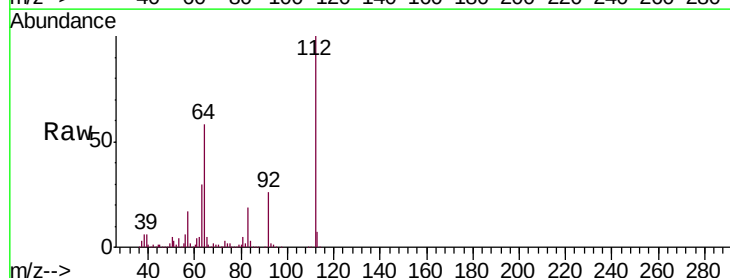
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



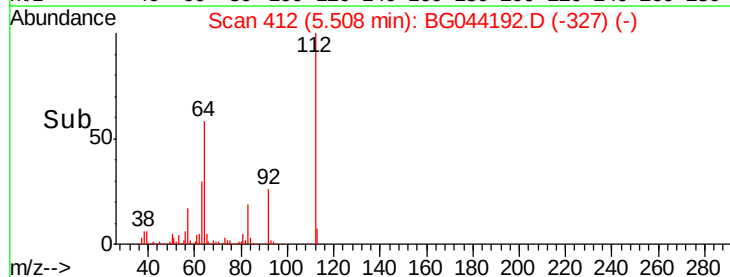
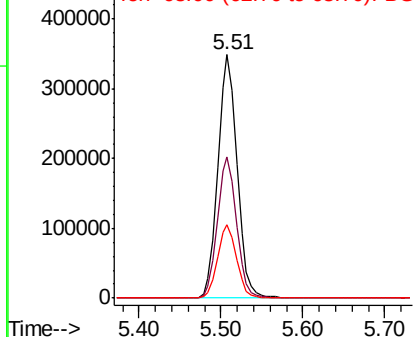
#5

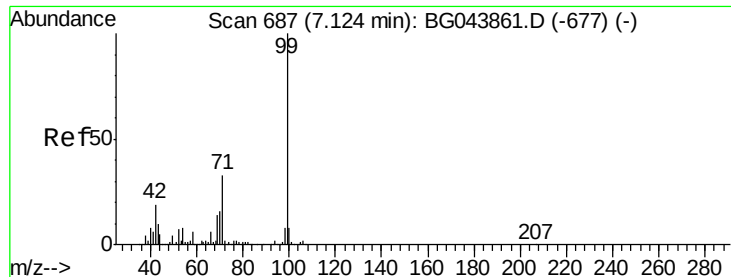
2-Fluorophenol  
Concen: 126.602 ng  
RT: 5.51 min Scan# 412  
Delta R.T. -0.03 min  
Lab File: BG044192.D  
Acq: 24 Jan 2020 21:42

Tgt Ion:112 Resp: 572029  
Ion Ratio Lower Upper  
112 100  
64 57.7 47.8 71.6  
63 30.0 24.3 36.5



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: 124.952 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044192.D

Acq: 24 Jan 2020 21:42

Instrument :

BNA\_G

ClientSampleId :

SP-1

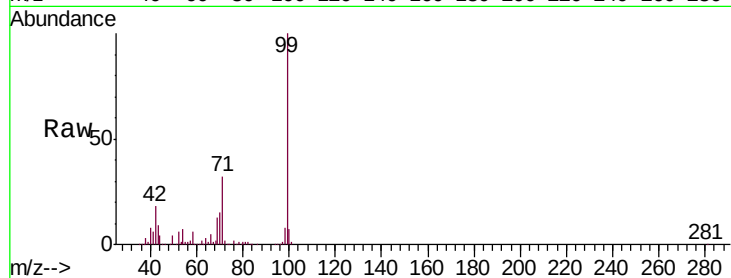
Tgt Ion: 99 Resp: 789174

Ion Ratio Lower Upper

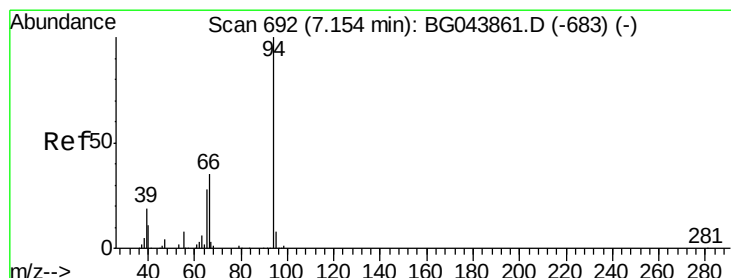
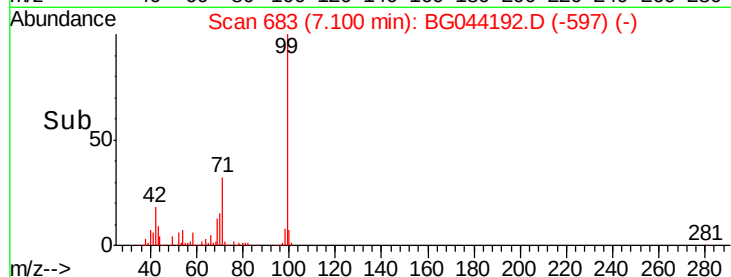
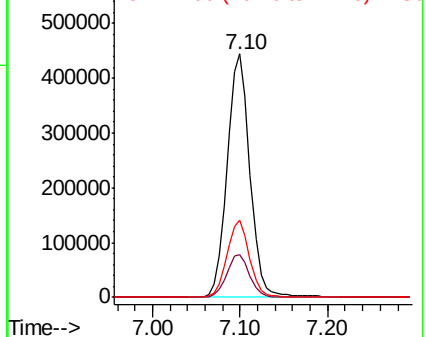
99 100

42 17.7 14.9 22.3

71 31.8 26.4 39.6



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: 3.087 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044192.D

Acq: 24 Jan 2020 21:42

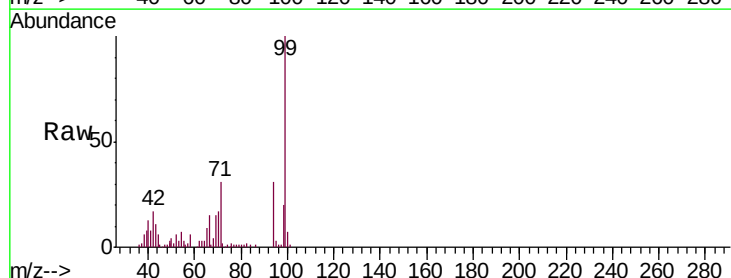
Tgt Ion: 94 Resp: 20091

Ion Ratio Lower Upper

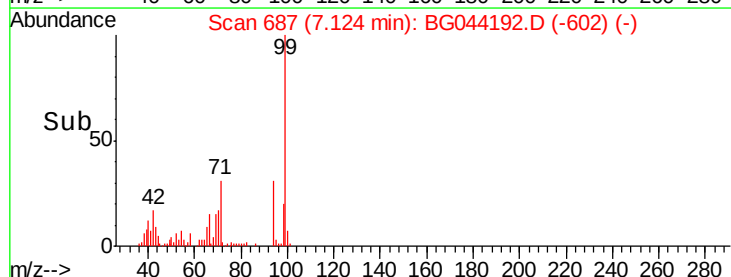
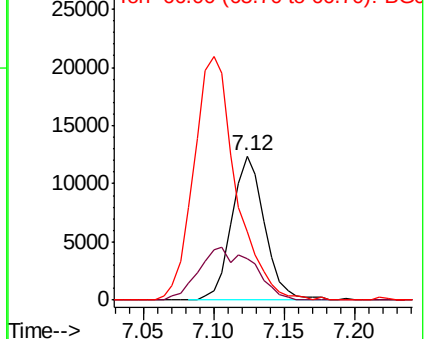
94 100

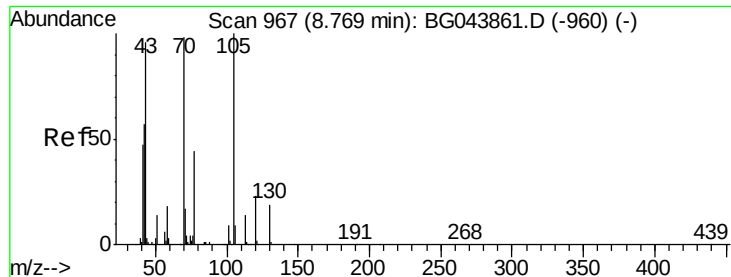
65 28.9 8.1 48.1

66 47.4 15.6 55.6



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

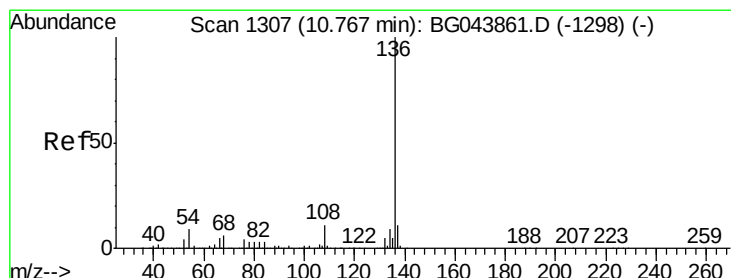
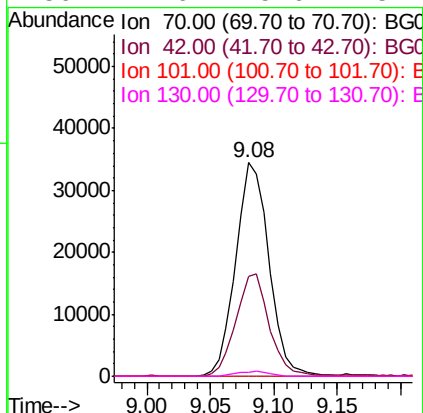
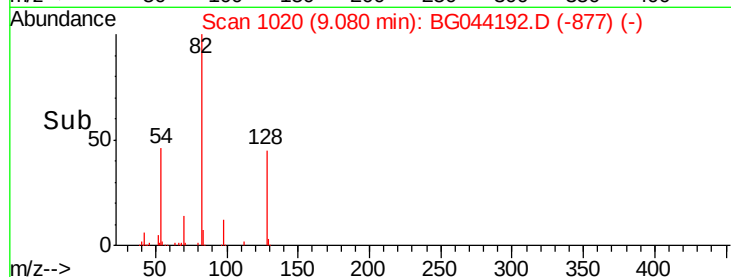
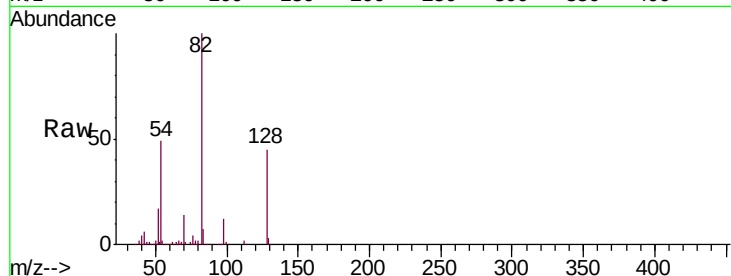




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.355 ng  
RT: 9.08 min Scan# 1020  
Delta R.T. 0.31 min  
Lab File: BG044192.D  
Acq: 24 Jan 2020 21:42

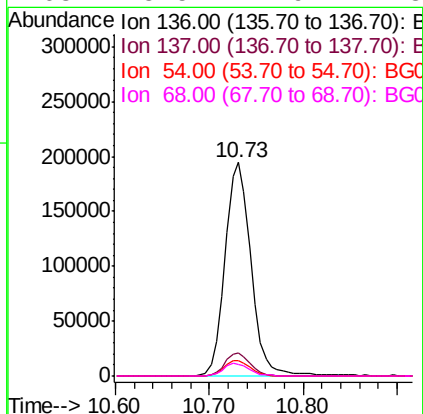
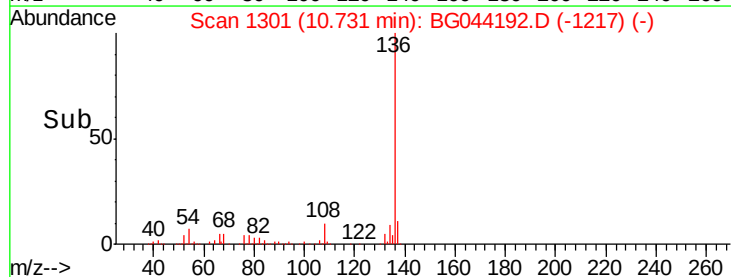
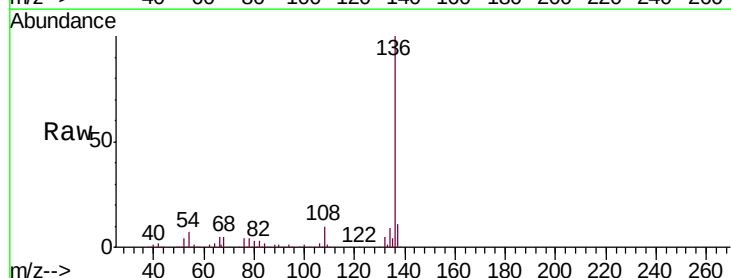
Instrument :  
BNA\_G  
ClientSampleId :  
SP-1

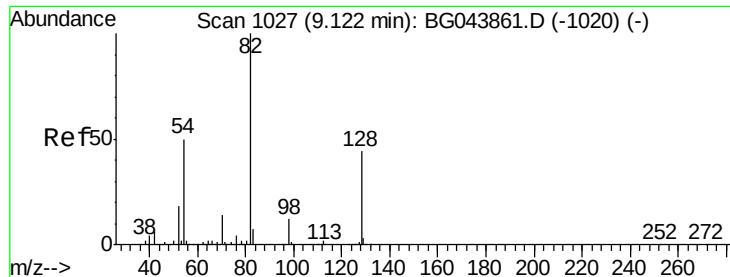
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 62817 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 46.6  | 47.0  | 70.4# |
| 101      | 0.0   | 7.2   | 10.8# |
| 130      | 1.6   | 15.6  | 23.4# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.73 min Scan# 1301  
Delta R.T. -0.04 min  
Lab File: BG044192.D  
Acq: 24 Jan 2020 21:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 371490 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.8   | 13.2   |
| 54       | 7.4   | 7.0   | 10.4   |
| 68       | 5.5   | 4.9   | 7.3    |

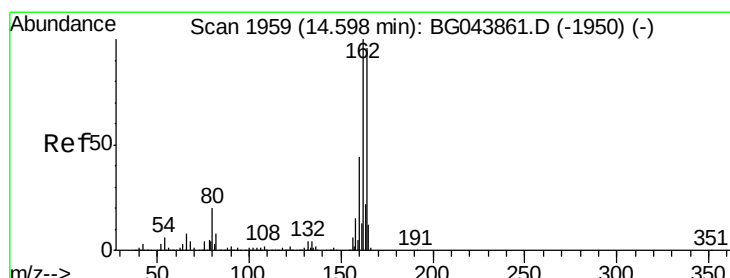
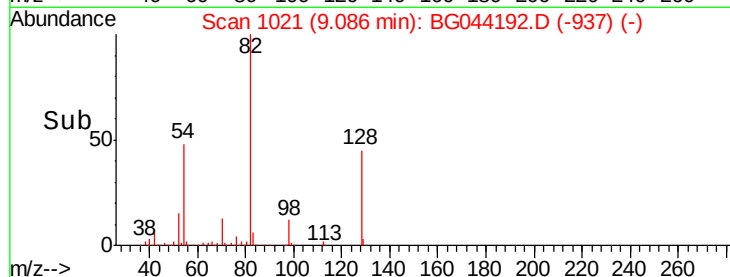
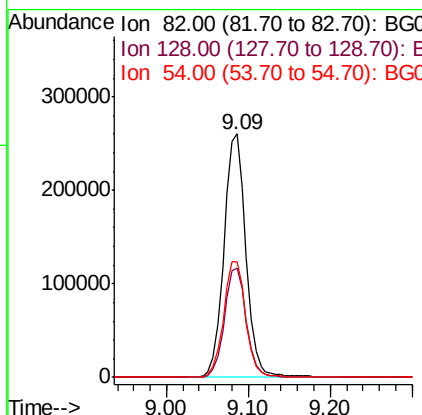
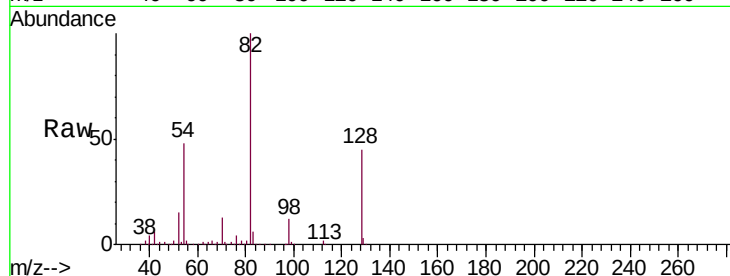




#23  
Nitrobenzene-d5  
Concen: 69.942 ng  
RT: 9.09 min Scan# 1021  
Delta R.T. -0.04 min  
Lab File: BG044192.D  
Acq: 24 Jan 2020 21:42

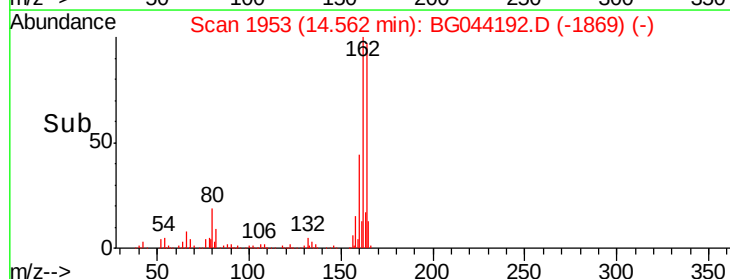
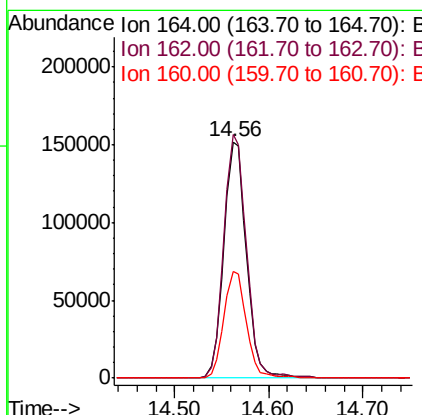
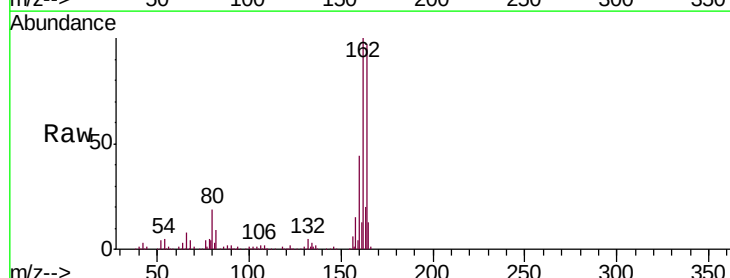
Instrument :  
BNA\_G  
ClientSampleId :  
SP-1

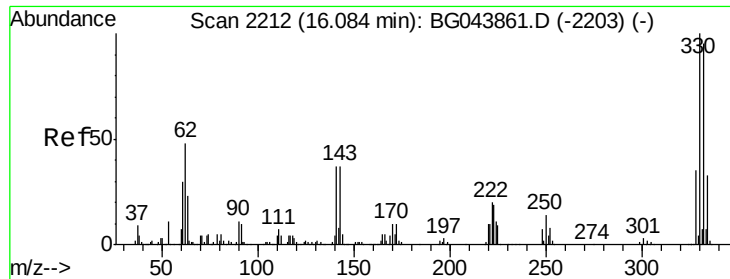
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.0  | 35.1  | 52.7  |
| 54      | 47.6  | 40.1  | 60.1  |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.56 min Scan# 1953  
Delta R.T. -0.04 min  
Lab File: BG044192.D  
Acq: 24 Jan 2020 21:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.1 | 83.0  | 124.4 |
| 160     | 45.3  | 36.1  | 54.1  |





#42

2,4,6-Tribromophenol

Concen: 107.500 ng

RT: 16.05 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044192.D

Acq: 24 Jan 2020 21:42

Instrument :

BNA\_G

ClientSampleId :

SP-1

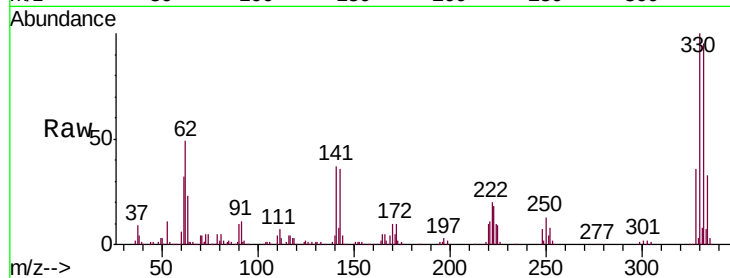
Tgt Ion:330 Resp: 286554

Ion Ratio Lower Upper

330 100

332 96.7 77.2 115.8

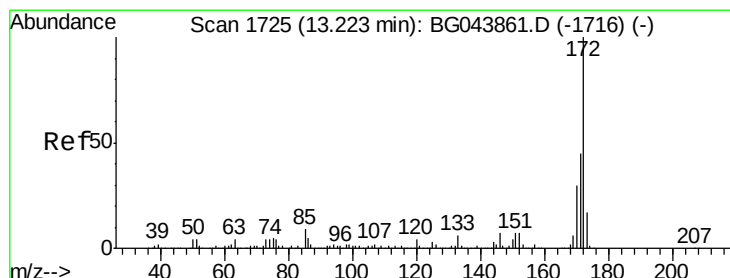
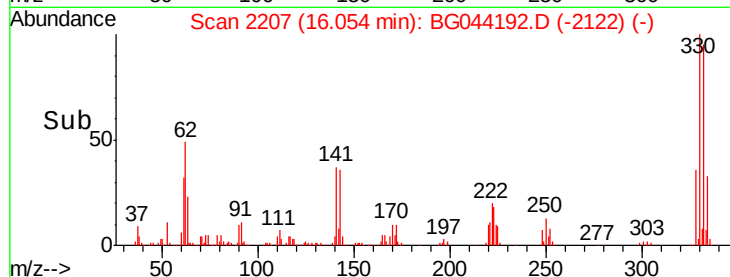
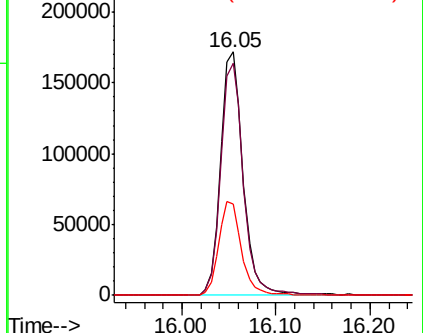
141 39.5 33.1 49.7



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: 77.920 ng

RT: 13.19 min Scan# 1719

Delta R.T. -0.04 min

Lab File: BG044192.D

Acq: 24 Jan 2020 21:42

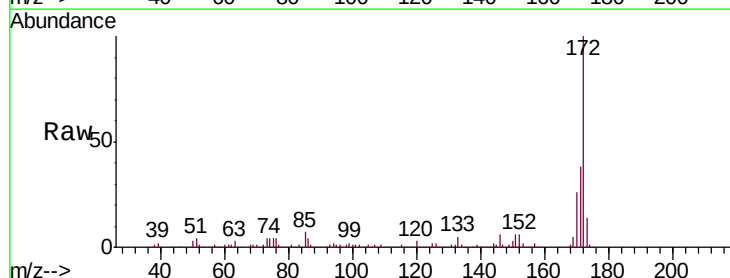
Tgt Ion:172 Resp: 1095497

Ion Ratio Lower Upper

172 100

171 38.2 35.8 53.8

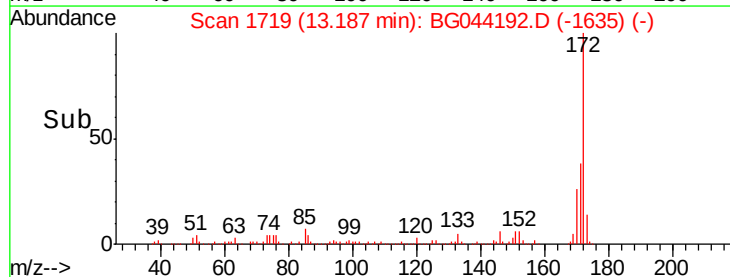
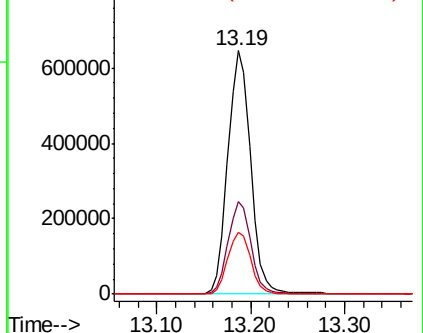
170 25.7 24.2 36.4

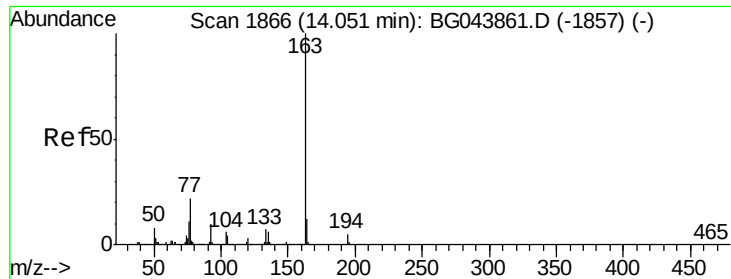


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 10.025 ng

RT: 14.02 min Scan# 1860

Delta R.T. -0.04 min

Lab File: BG044192.D

Acq: 24 Jan 2020 21:42

Instrument :

BNA\_G

ClientSampleId :

SP-1

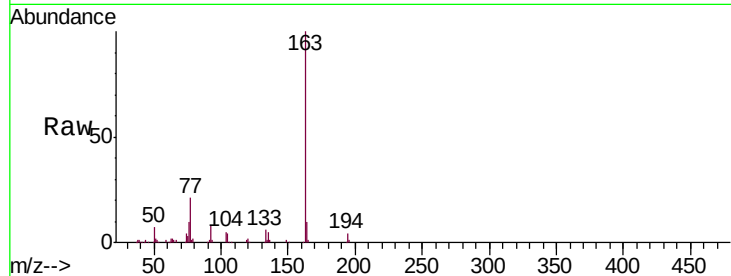
Tgt Ion:163 Resp: 181316

Ion Ratio Lower Upper

163 100

194 4.2 3.7 5.5

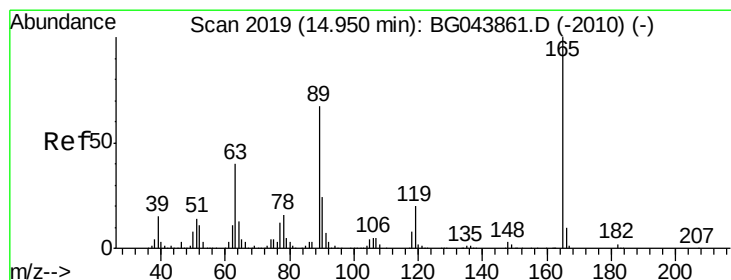
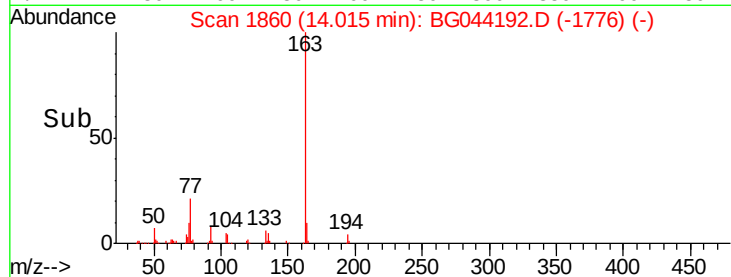
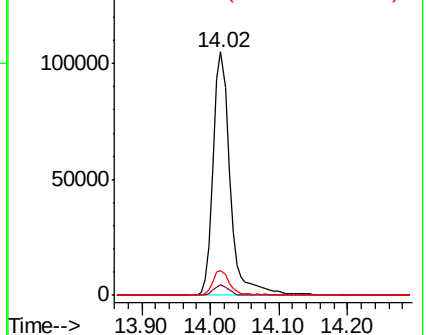
164 9.9 9.3 13.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 5.887 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.39 min

Lab File: BG044192.D

Acq: 24 Jan 2020 21:42

Tgt Ion:165 Resp: 32746

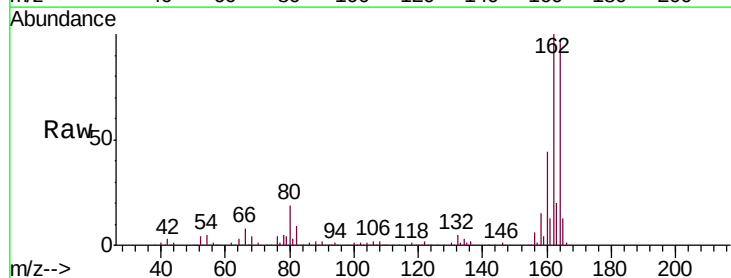
Ion Ratio Lower Upper

165 100

63 1.4 31.9 47.9#

89 1.5 53.8 80.6#

182 0.0 2.0 3.0#

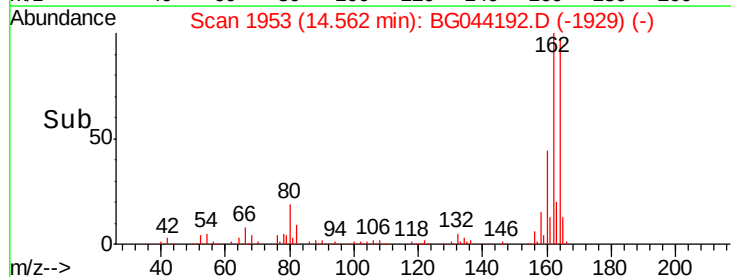
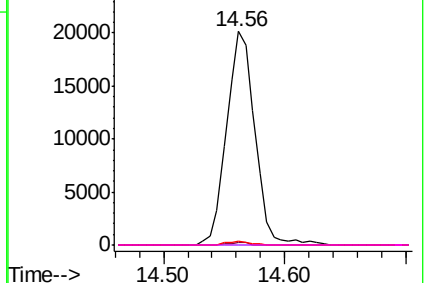


Abundance Ion 165.00 (164.70 to 165.70): E

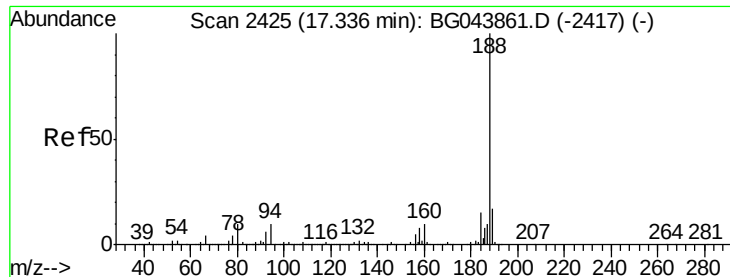
Ion 63.00 (62.70 to 63.70): BGC

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: 17.31 min Scan# 2420

Delta R.T. -0.03 min

Lab File: BG044192.D

Acq: 24 Jan 2020 21:42

Instrument :

BNA\_G

ClientSampleId :

SP-1

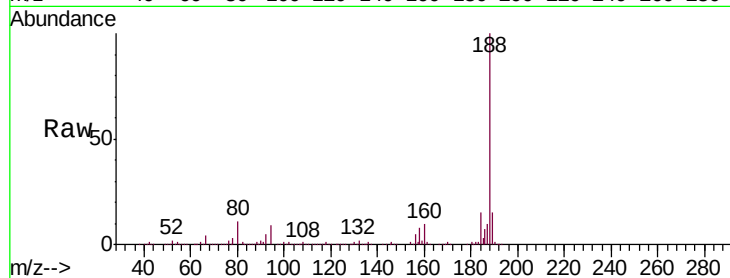
Tgt Ion:188 Resp: 509205

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

80 10.6 8.2 12.4

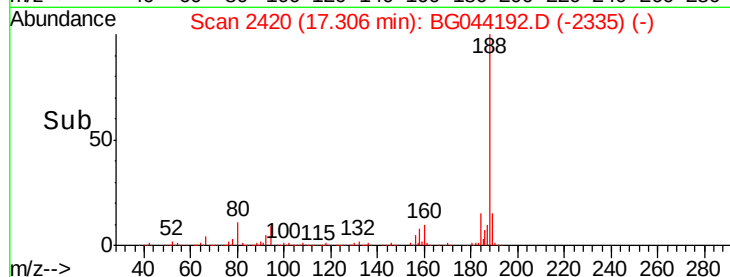


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time--> 17.20 17.30 17.40

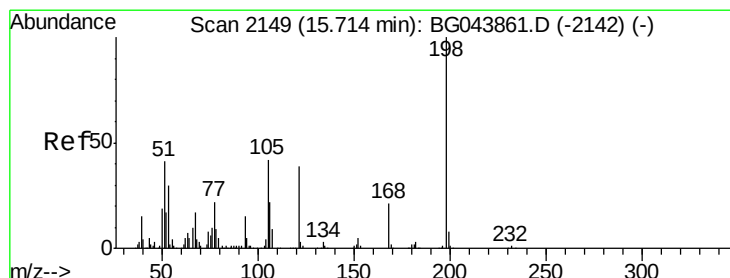


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time--> 17.20 17.30 17.40



#65

4,6-Dinitro-2-methylphenol

Concen: 4.676 ng

RT: 16.05 min Scan# 2207

Delta R.T. 0.34 min

Lab File: BG044192.D

Acq: 24 Jan 2020 21:42

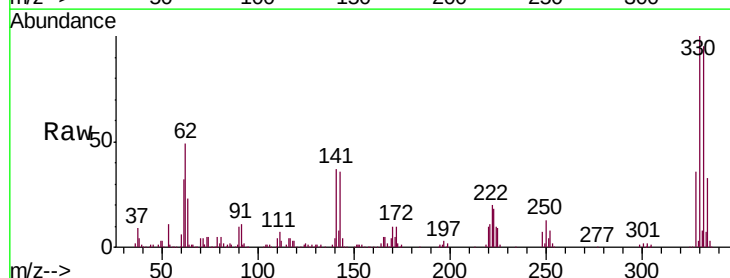
Tgt Ion:198 Resp: 826

Ion Ratio Lower Upper

198 100

51 149.5 22.5 62.5#

105 180.7 22.3 62.3#

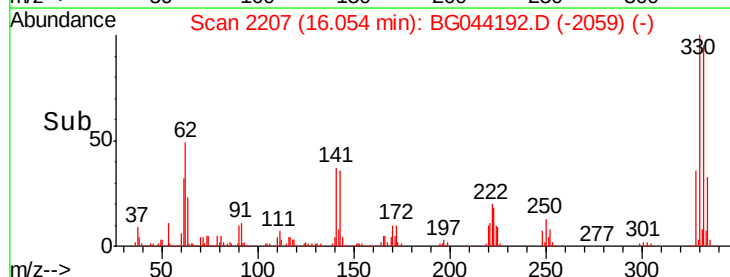


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

Time--> 16.00 16.05

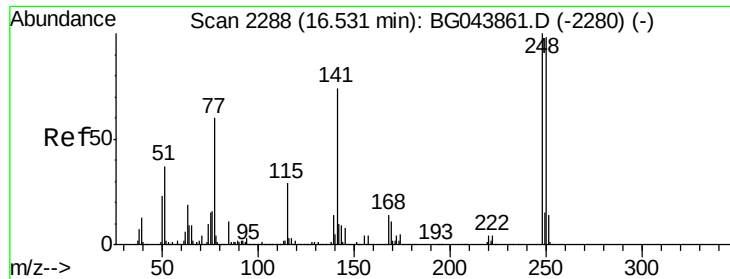


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

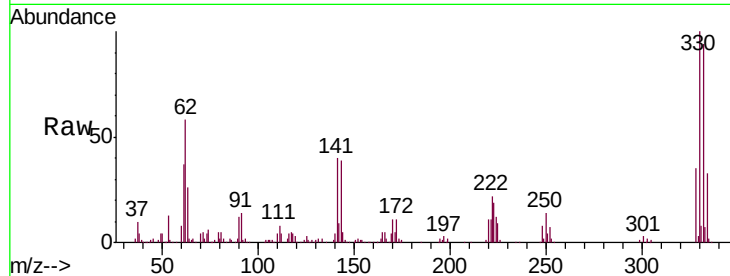
Time--> 16.00 16.05



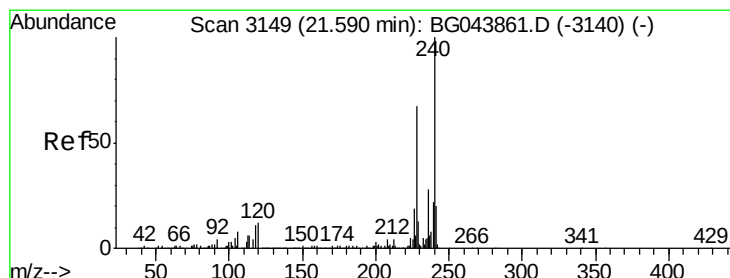
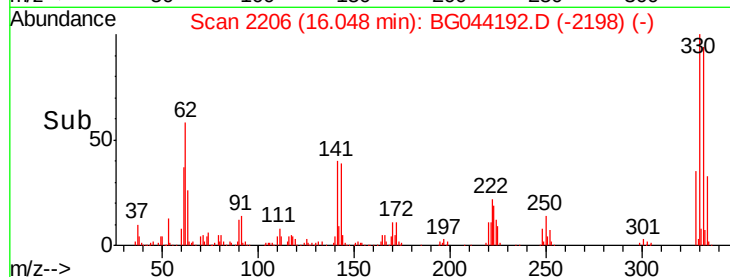
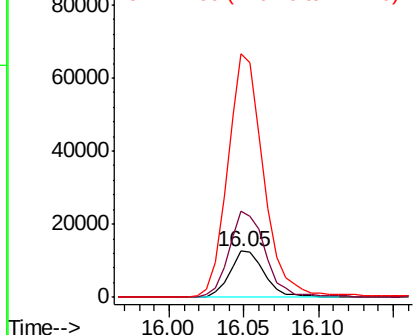
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.583 ng  
 RT: 16.05 min Scan# 2206  
 Delta R.T. -0.48 min  
 Lab File: BG044192.D  
 Acq: 24 Jan 2020 21:42

Instrument :  
 BNA\_G  
 ClientSampled :  
 SP-1

Tgt Ion: 248 Resp: 20520  
 Ion Ratio Lower Upper  
 248 100  
 250 184.9 78.2 117.2#  
 141 524.2 59.3 88.9#

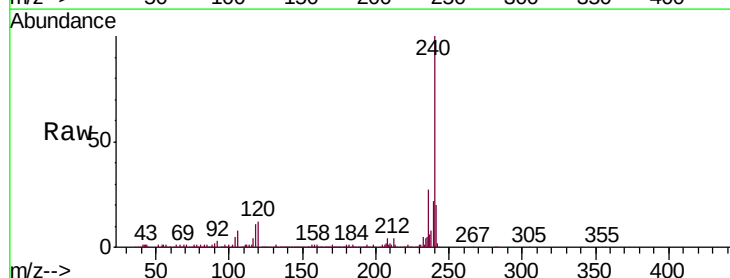


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

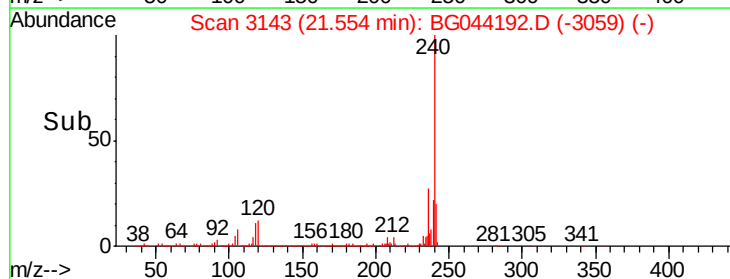
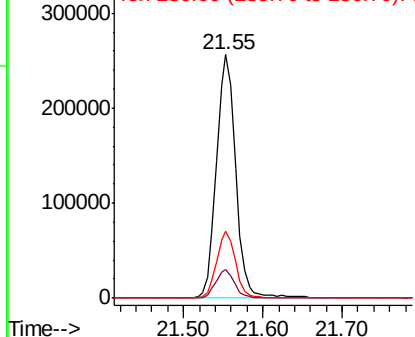


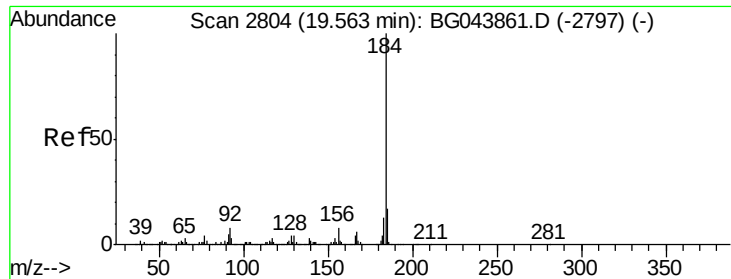
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.55 min Scan# 3143  
 Delta R.T. -0.04 min  
 Lab File: BG044192.D  
 Acq: 24 Jan 2020 21:42

Tgt Ion: 240 Resp: 433506  
 Ion Ratio Lower Upper  
 240 100  
 120 11.6 9.6 14.4  
 236 27.3 22.2 33.2



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: 2.228 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.36 min

Lab File: BG044192.D

Acq: 24 Jan 2020 21:42

Instrument :

BNA\_G

ClientSampleId :

SP-1

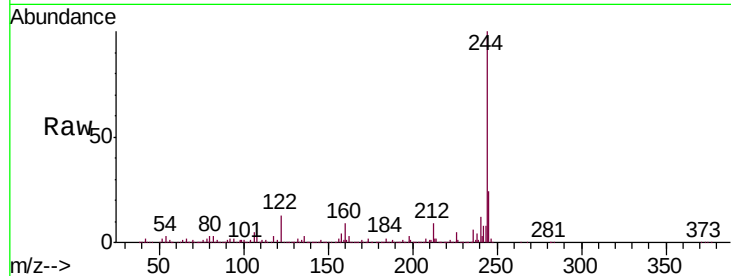
Tgt Ion:184 Resp: 24275

Ion Ratio Lower Upper

184 100

185 16.6 13.4 20.0

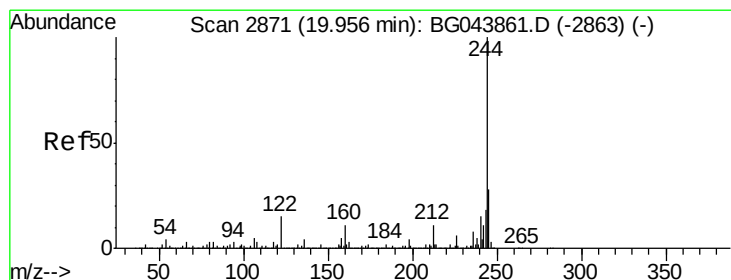
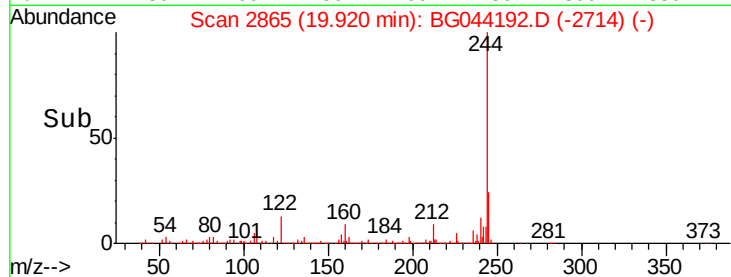
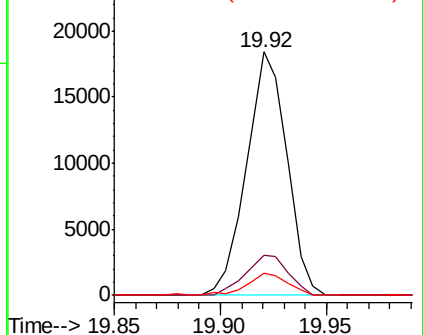
183 8.9 10.6 15.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 80.467 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.04 min

Lab File: BG044192.D

Acq: 24 Jan 2020 21:42

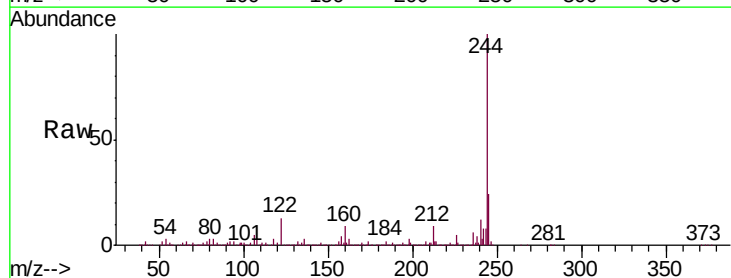
Tgt Ion:244 Resp: 1467626

Ion Ratio Lower Upper

244 100

212 8.9 8.6 13.0

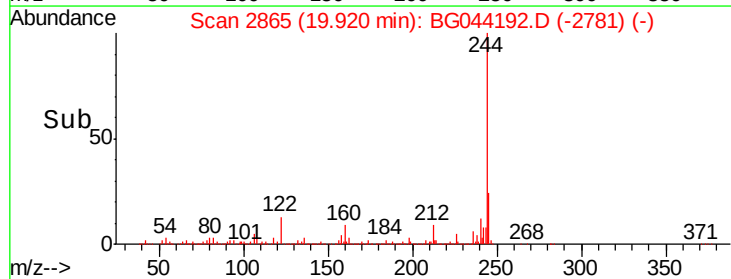
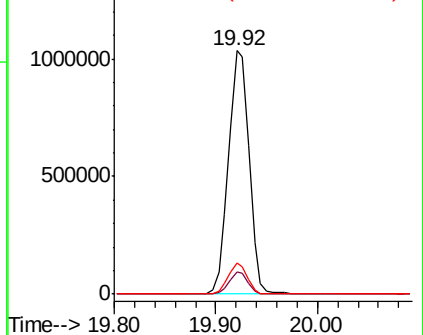
122 12.9 11.9 17.9

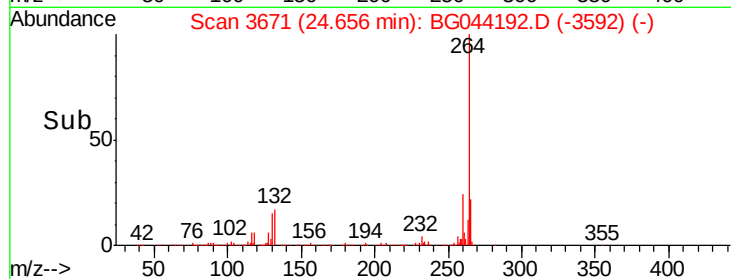
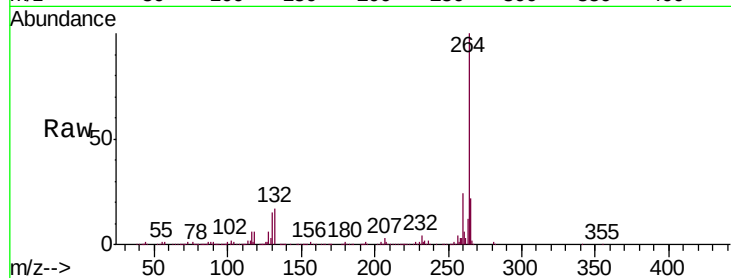
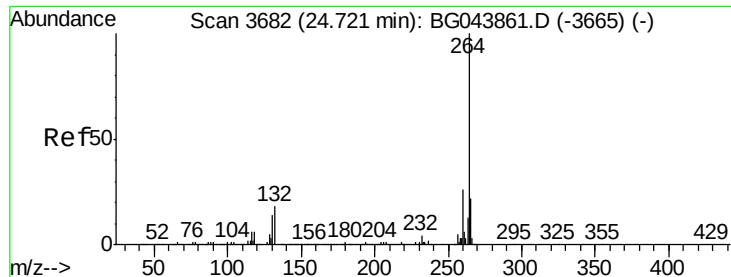


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.66 min Scan# 3671  
Delta R.T. -0.07 min  
Lab File: BG044192.D  
Acq: 24 Jan 2020 21:42

Instrument :  
BNA\_G  
ClientSampleId :  
SP-1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 20.4  | 30.6  |
| 265     | 21.6  | 17.4  | 26.2  |

