

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG010424\  
 Data File : BG060246.D  
 Acq On : 4 Jan 2024 15:39  
 Operator : MA/JU  
 Sample : 05960-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COMA6

Quant Time: Jan 04 16:18:25 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG122923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 30 03:14:04 2023  
 Response via : Initial Calibration

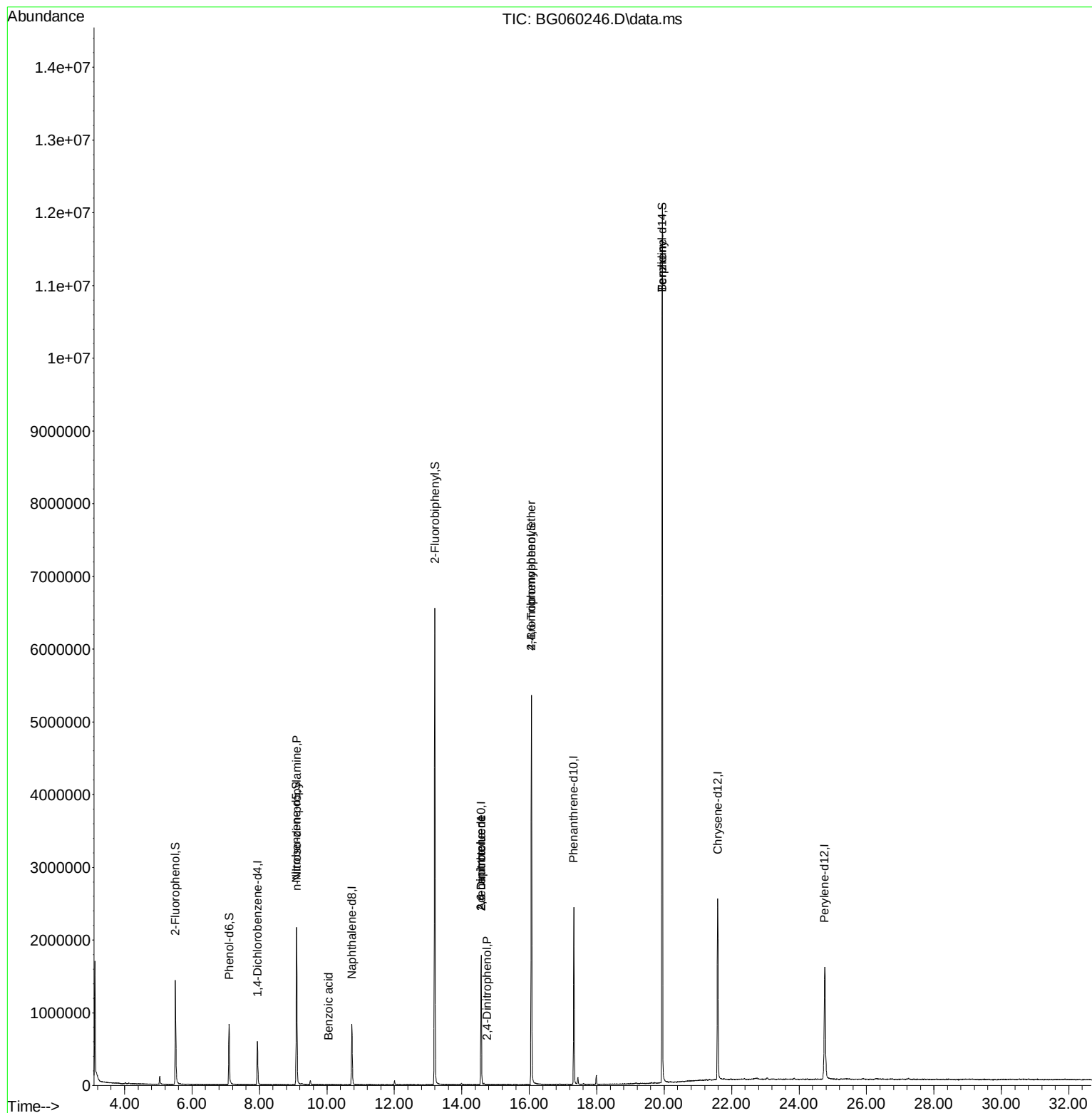
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.941  | 152  | 189330   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.743 | 136  | 769307   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.574 | 164  | 614514   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.324 | 188  | 1611340  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.589 | 240  | 1526428  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.762 | 264  | 1726364  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.508  | 112  | 715118   | 57.009  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.100  | 99   | 589950   | 31.676  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.098  | 82   | 1525301  | 91.581  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.066 | 330  | 1160864  | 141.123 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.199 | 172  | 3709161  | 86.750  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.944 | 244  | 5531443  | 69.667  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.104  | 70   | 187112   | 14.706  | ng    | # 83     |
| 32) Benzoic acid              | 10.056 | 122  | 55       | 10.276  | ng    | # 8      |
| 51) 2,6-Dinitrotoluene        | 14.574 | 165  | 83863    | 8.498   | ng    | # 30     |
| 54) 2,4-Dinitrophenol         | 14.744 | 184  | 209      | 8.269   | ng    | # 25     |
| 57) 2,4-Dinitrotoluene        | 14.574 | 165  | 83863    | 6.250   | ng    | # 28     |
| 67) 4-Bromophenyl-phenylether | 16.066 | 248  | 69753    | 4.083   | ng    | # 1      |
| 77) Benzidine                 | 19.944 | 184  | 98183    | 2.324   | ng    | # 91     |
| -----                         |        |      |          |         |       |          |

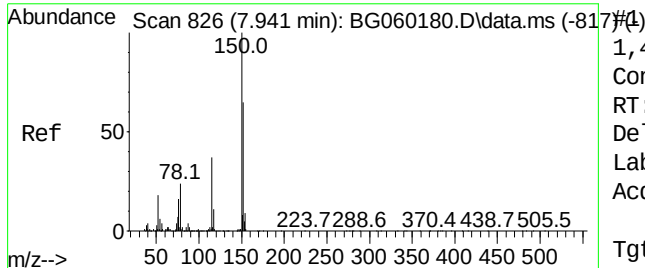
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG010424\  
Data File : BG060246.D  
Acq On : 4 Jan 2024 15:39  
Operator : MA/JU  
Sample : 05960-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
COMA6

Quant Time: Jan 04 16:18:25 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG122923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 30 03:14:04 2023  
Response via : Initial Calibration

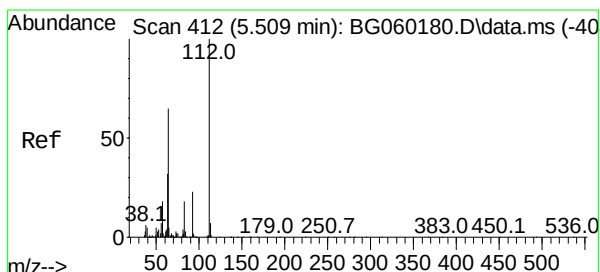
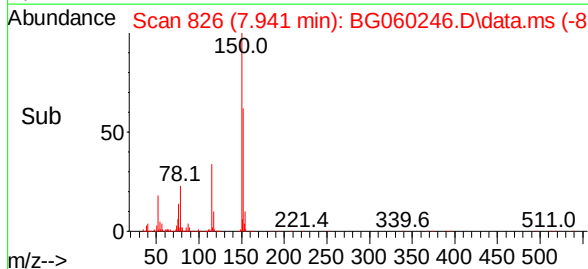
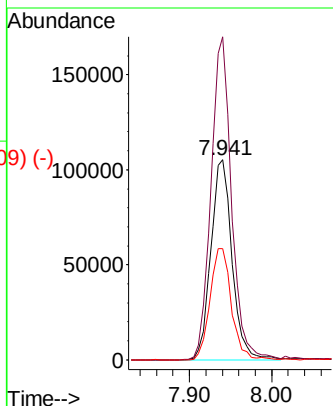
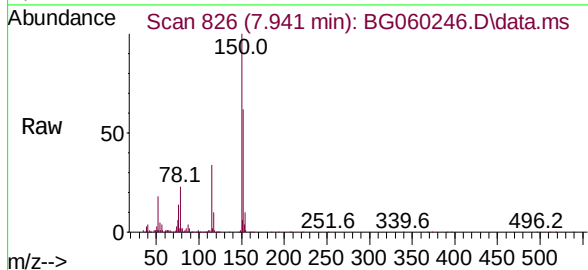




1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.941 min Scan# 826  
Delta R.T. -0.000 min  
Lab File: BG060246.D  
Acq: 4 Jan 2024 15:39

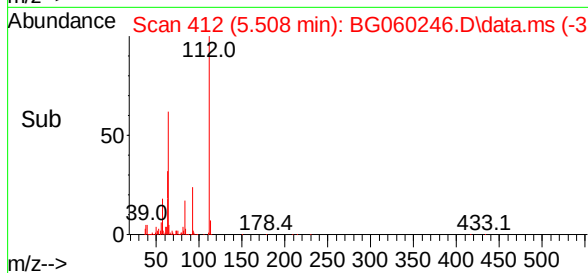
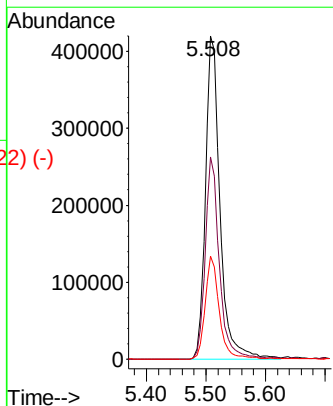
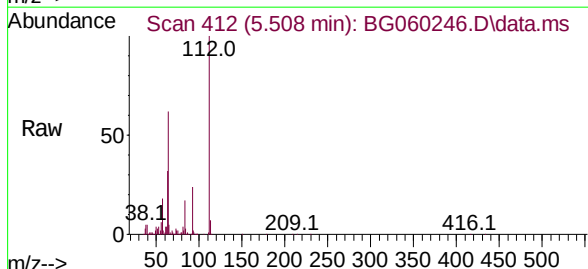
Instrument :  
BNA\_G  
ClientSampleId :  
COMA6

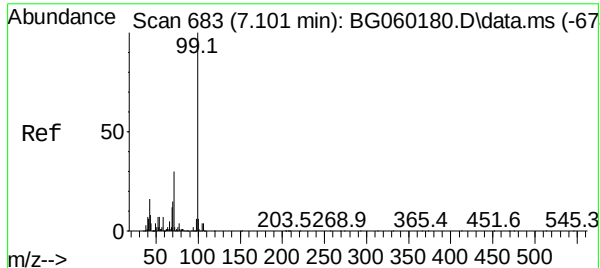
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 189330 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 150      | 161.4 | 123.4 | 185.0  |
| 115      | 55.6  | 45.4  | 68.0   |



2-Fluorophenol  
Concen: 57.009 ng  
RT: 5.508 min Scan# 412  
Delta R.T. -0.001 min  
Lab File: BG060246.D  
Acq: 4 Jan 2024 15:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 715118 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 62.5  | 52.2  | 78.4   |
| 63       | 31.9  | 25.4  | 38.0   |





Phenol-d6

Concen: 31.676 ng

RT: 7.100 min Scan#

Delta R.T. -0.001 min

Lab File: BG060246.D

Acq: 4 Jan 2024 15:39

Instrument :

BNA\_G

ClientSampleId :

COMA6

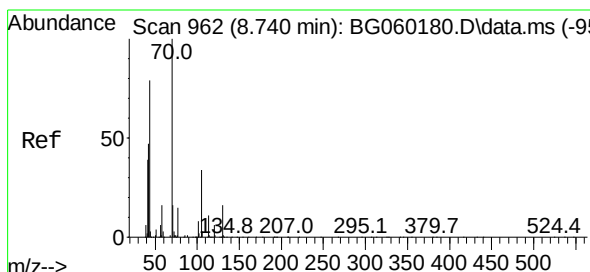
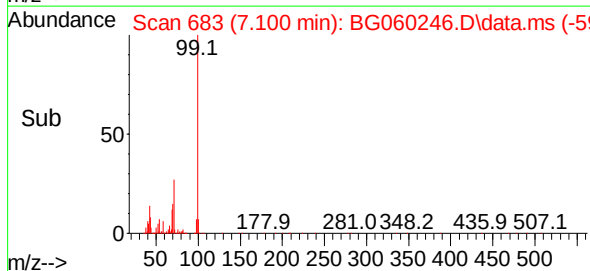
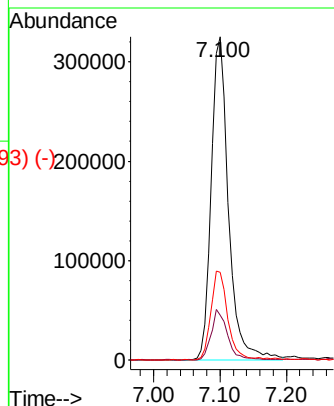
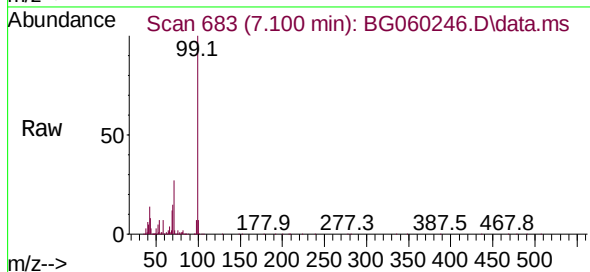
Tgt Ion: 99 Resp: 589950

Ion Ratio Lower Upper

99 100

42 13.9 12.5 18.7

71 27.1 24.1 36.1



n-Nitroso-di-n-propylamine

Concen: 14.706 ng

RT: 9.104 min Scan# 1024

Delta R.T. 0.364 min

Lab File: BG060246.D

Acq: 4 Jan 2024 15:39

Tgt Ion: 70 Resp: 187112

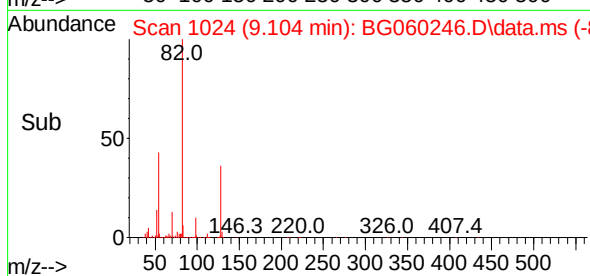
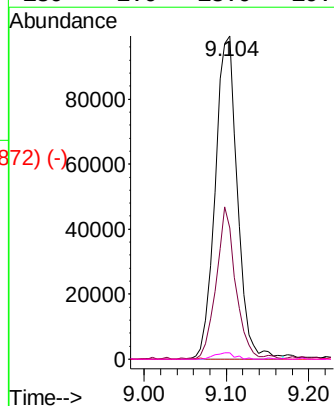
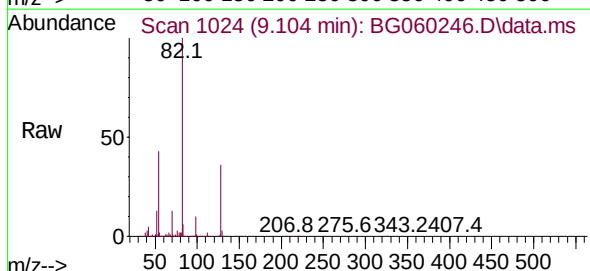
Ion Ratio Lower Upper

70 100

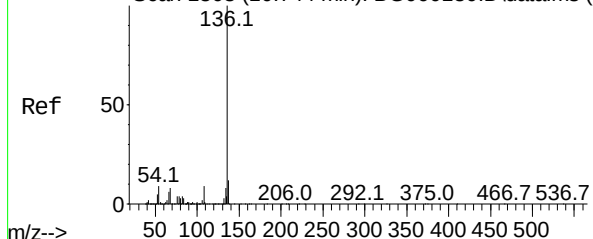
42 40.5 37.9 56.9

101 0.0 6.2 9.2#

130 2.0 13.0 19.4#



Abundance Scan 1303 (10.744 min): BG060180.D\data.ms (-1224) (-)



Naphthalene-d8

Concen: 20.000 ng

RT: 10.743 min Scan#

Delta R.T. -0.001 min

Lab File: BG060246.D

Acq: 4 Jan 2024 15:39

Instrument :

BNA\_G

ClientSampleId :

COMA6

Tgt Ion:136 Resp: 769307

Ion Ratio Lower Upper

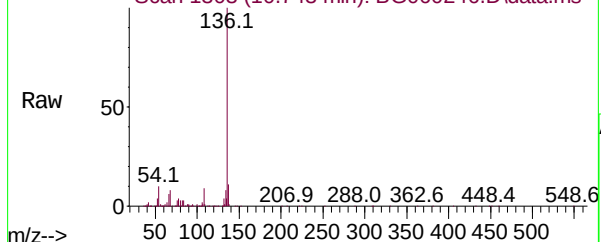
136 100

137 10.7 9.4 14.0

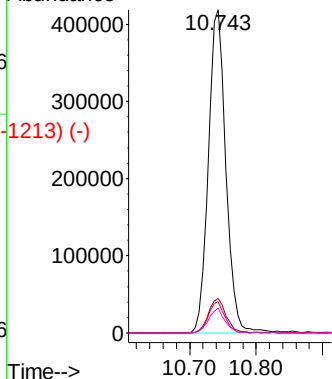
54 9.7 7.4 11.2

68 7.7 6.2 9.4

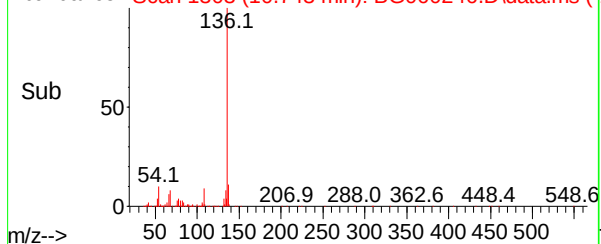
Abundance Scan 1303 (10.743 min): BG060246.D\data.ms



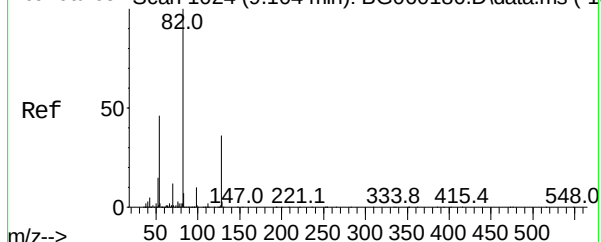
Abundance



Abundance Scan 1303 (10.743 min): BG060246.D\data.ms (-1213) (-)



Abundance Scan 1024 (9.104 min): BG060180.D\data.ms (-1223) (-)



Nitrobenzene-d5

Concen: 91.581 ng

RT: 9.098 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BG060246.D

Acq: 4 Jan 2024 15:39

Tgt Ion: 82 Resp: 1525301

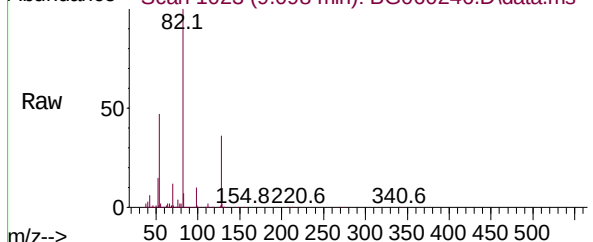
Ion Ratio Lower Upper

82 100

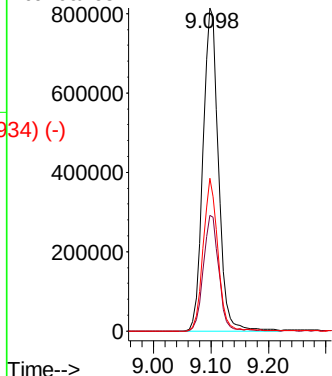
128 35.7 28.7 43.1

54 47.4 36.9 55.3

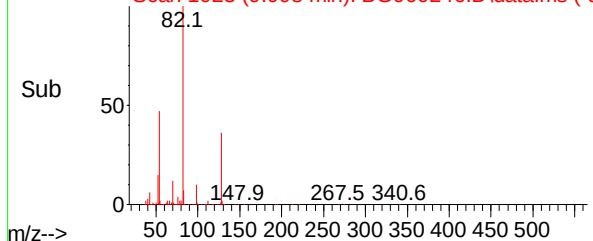
Abundance Scan 1023 (9.098 min): BG060246.D\data.ms



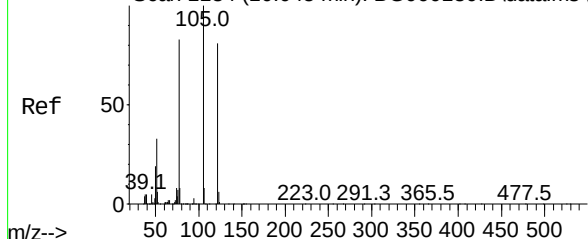
Abundance



Abundance Scan 1023 (9.098 min): BG060246.D\data.ms (-934) (-)



Abundance Scan 1184 (10.045 min): BG060180.D\data.ms (-1184) (-)

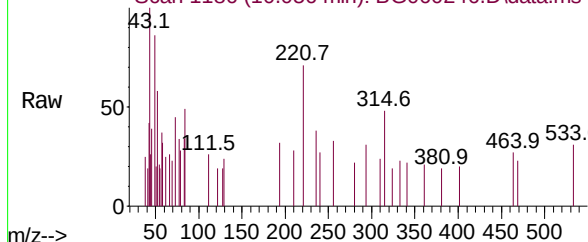


Benzoic acid  
Concen: 10.276 ng  
RT: 10.056 min Scan# 1184  
Delta R.T. 0.011 min  
Lab File: BG060246.D  
Acq: 4 Jan 2024 15:39

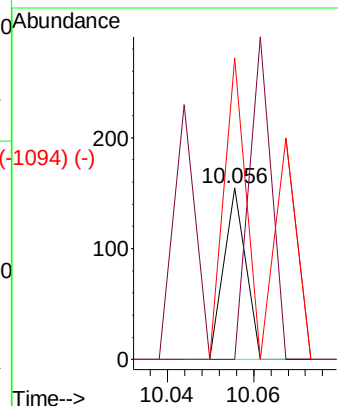
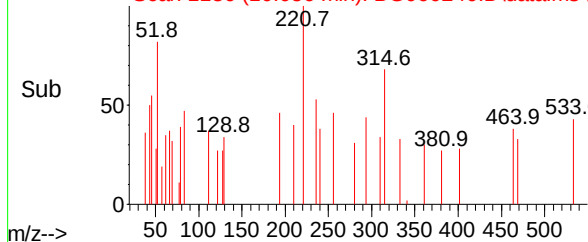
Instrument :  
BNA\_G  
ClientSampleId :  
COMA6

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 122   | Resp: | 55     |
| Ion      | Ratio | Lower | Upper  |
| 122      | 100   |       |        |
| 105      | 0.0   | 99.2  | 139.2# |
| 77       | 175.5 | 81.0  | 121.0# |

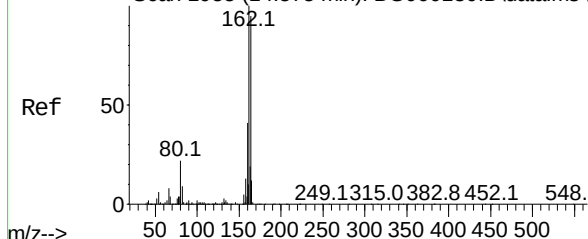
Abundance Scan 1186 (10.056 min): BG060246.D\data.ms



Abundance Scan 1186 (10.056 min): BG060246.D\data.ms (-1094) (-)



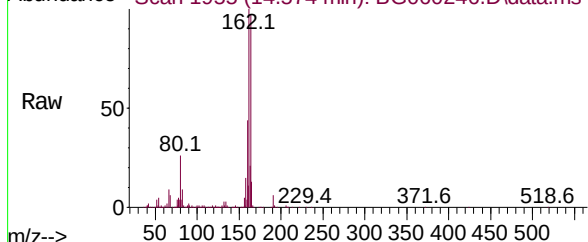
Abundance Scan 1955 (14.575 min): BG060180.D\data.ms (-1939) (-)



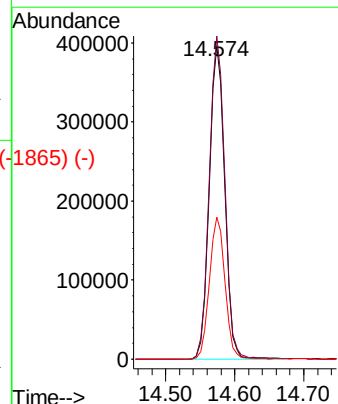
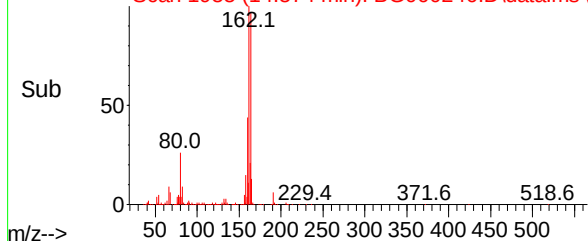
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.574 min Scan# 1955  
Delta R.T. -0.001 min  
Lab File: BG060246.D  
Acq: 4 Jan 2024 15:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 614514 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 103.0 | 83.9  | 125.9  |
| 160      | 45.2  | 34.2  | 51.4   |

Abundance Scan 1955 (14.574 min): BG060246.D\data.ms



Abundance Scan 1955 (14.574 min): BG060246.D\data.ms (-1865) (-)



Abundance Scan 2209 (16.067 min): BG060180.D\data.ms (-2209) (-)

2,4,6-Tribromophenol

Concen: 141.123 ng

RT: 16.066 min Scan# 2209

Delta R.T. -0.001 min

Lab File: BG060246.D

Acq: 4 Jan 2024 15:39

Instrument :

BNA\_G

ClientSampleId :

COMA6

Tgt Ion:330 Resp: 1160864

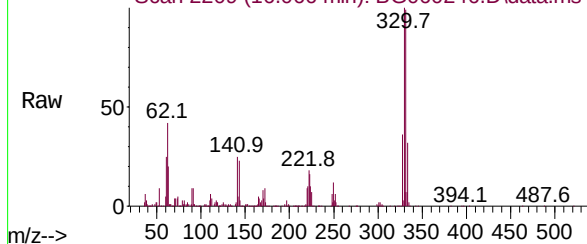
Ion Ratio Lower Upper

330 100

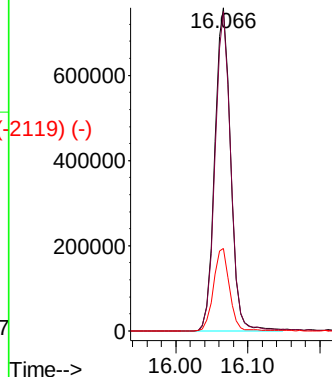
332 97.3 76.7 115.1

141 25.8 21.0 31.4

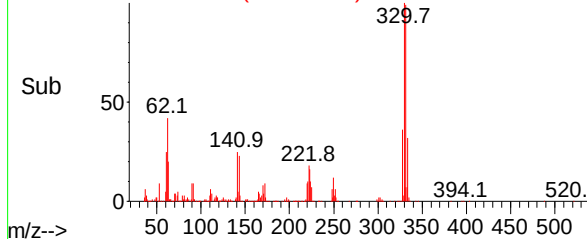
Abundance Scan 2209 (16.066 min): BG060246.D\data.ms



Abundance



Abundance Scan 2209 (16.066 min): BG060246.D\data.ms (-2119) (-)



Abundance Scan 1721 (13.200 min): BG060180.D\data.ms (-1721) (-)

2-Fluorobiphenyl

Concen: 86.750 ng

RT: 13.199 min Scan# 1721

Delta R.T. -0.001 min

Lab File: BG060246.D

Acq: 4 Jan 2024 15:39

Tgt Ion:172 Resp: 3709161

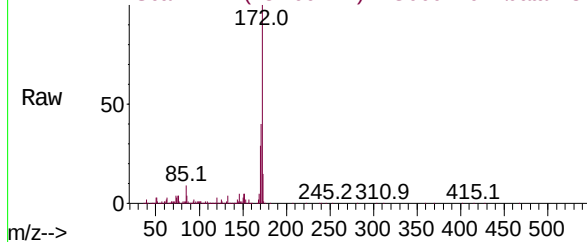
Ion Ratio Lower Upper

172 100

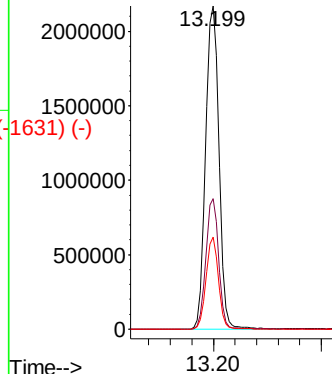
171 40.4 32.6 48.8

170 28.6 21.8 32.6

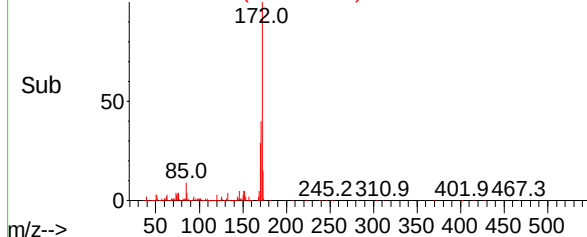
Abundance Scan 1721 (13.199 min): BG060246.D\data.ms



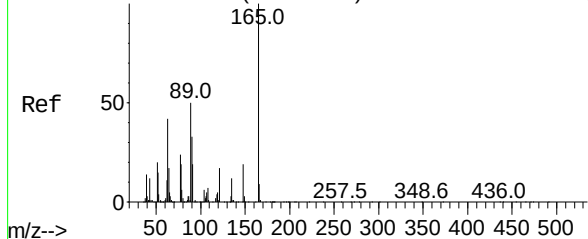
Abundance



Abundance Scan 1721 (13.199 min): BG060246.D\data.ms (-1631) (-)



Abundance Scan 1883 (14.152 min): BG060180.D\data.ms (-1754) (-)

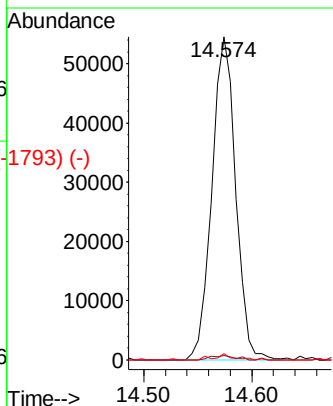
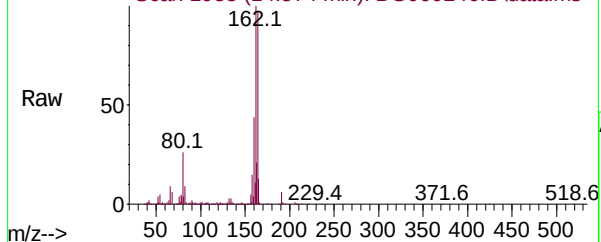


2,6-Dinitrotoluene  
Concen: 8.498 ng  
RT: 14.574 min Scan# 1883  
Delta R.T. 0.422 min  
Lab File: BG060246.D  
Acq: 4 Jan 2024 15:39

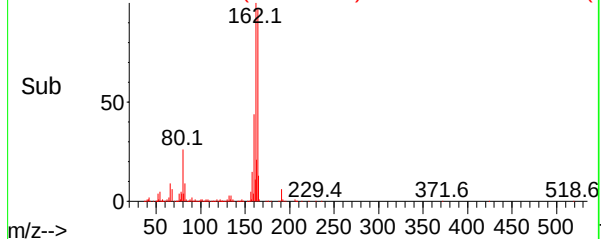
Instrument :  
BNA\_G  
ClientSampleId :  
COMA6

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 83863 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 1.4   | 39.3  | 58.9# |
| 89        | 2.0   | 39.8  | 59.8# |

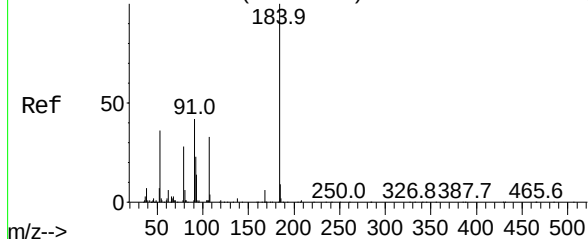
Abundance Scan 1955 (14.574 min): BG060246.D\data.ms



Abundance Scan 1955 (14.574 min): BG060246.D\data.ms (-1793) (-)



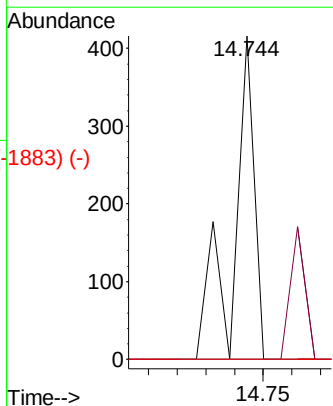
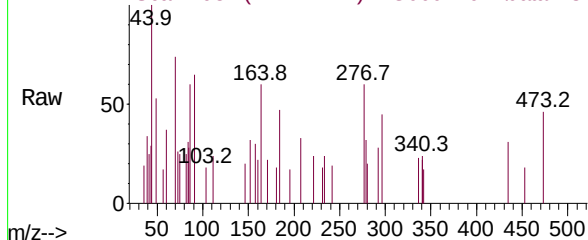
Abundance Scan 1973 (14.680 min): BG060180.D\data.ms (-1954) (-)



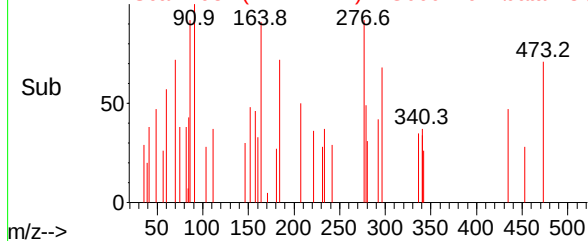
2,4-Dinitrophenol  
Concen: 8.269 ng  
RT: 14.744 min Scan# 1984  
Delta R.T. 0.064 min  
Lab File: BG060246.D  
Acq: 4 Jan 2024 15:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 184   | Resp: | 209   |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 63        | 0.0   | 45.4  | 68.2# |
| 154       | 0.0   | 40.0  | 60.0# |

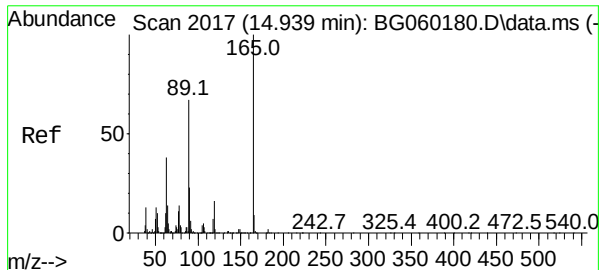
Abundance Scan 1984 (14.744 min): BG060246.D\data.ms



Abundance Scan 1984 (14.744 min): BG060246.D\data.ms (-1883) (-)



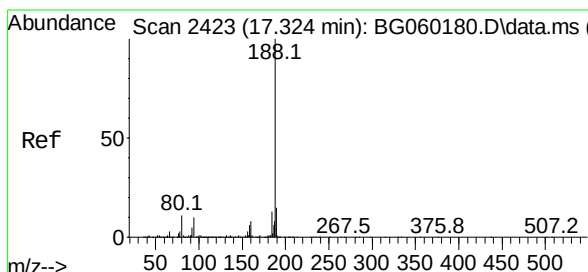
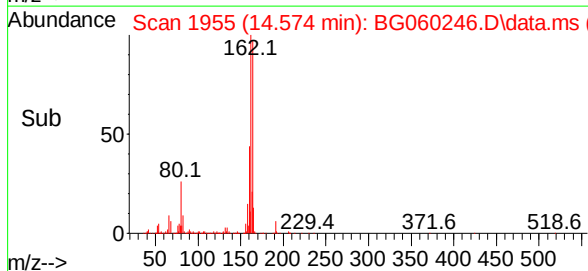
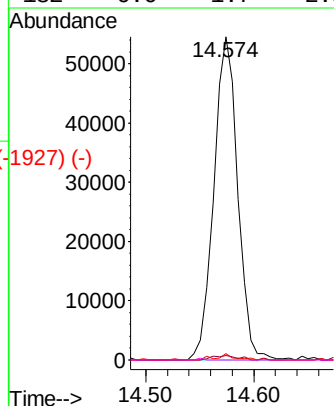
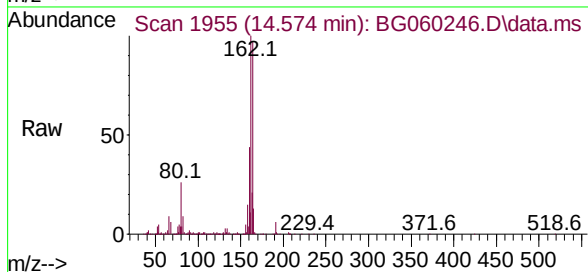




2,4-Dinitrotoluene  
Concen: 6.250 ng  
RT: 14.574 min Scan# 1955  
Delta R.T. -0.365 min  
Lab File: BG060246.D  
Acq: 4 Jan 2024 15:39

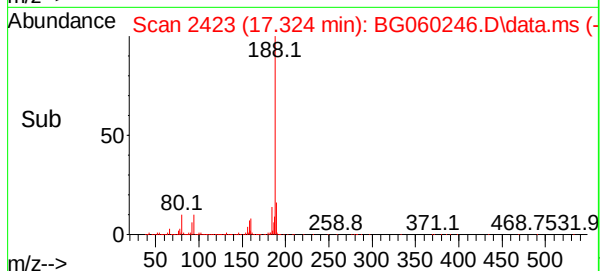
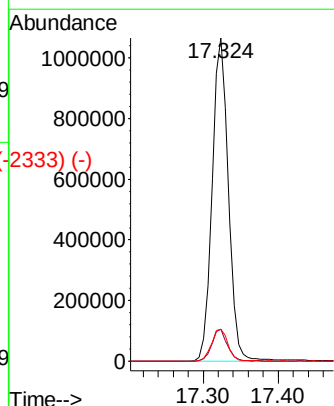
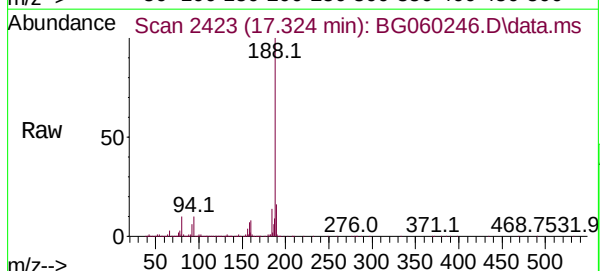
Instrument :  
BNA\_G  
ClientSampleId :  
COMA6

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 83863 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.4   | 31.0  | 46.6# |
| 89       | 2.0   | 53.3  | 79.9# |
| 182      | 0.0   | 1.7   | 2.5#  |



Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.324 min Scan# 2423  
Delta R.T. -0.001 min  
Lab File: BG060246.D  
Acq: 4 Jan 2024 15:39

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 188   | Resp: | 1611340 |
| Ion      | Ratio | Lower | Upper   |
| 188      | 100   |       |         |
| 94       | 9.9   | 7.8   | 11.6    |
| 80       | 9.9   | 8.6   | 13.0    |



Abundance Scan 2285 (16.513 min): BG060180.D\data.ms (-2767) (-)

4-Bromophenyl-phenylether

Concen: 4.083 ng

RT: 16.066 min Scan# 2195

Delta R.T. -0.447 min

Lab File: BG060246.D

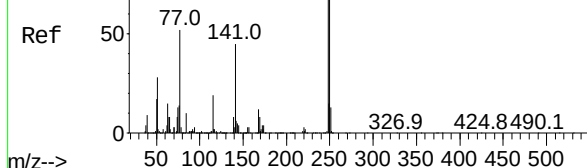
Acq: 4 Jan 2024 15:39

Instrument :

BNA\_G

ClientSampleId :

COMA6



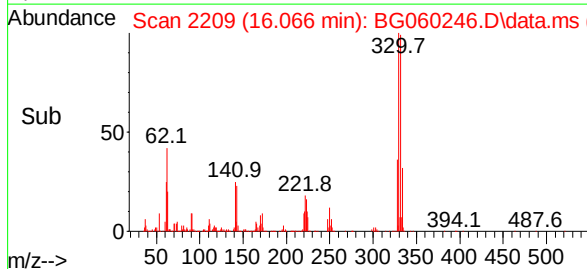
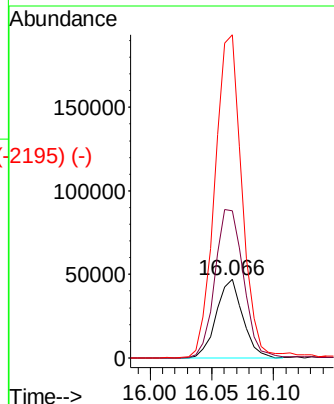
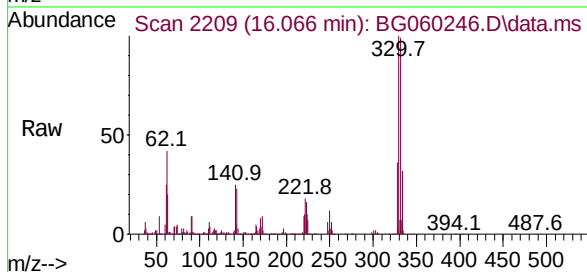
Tgt Ion:248 Resp: 69753

Ion Ratio Lower Upper

248 100

250 187.3 76.2 114.4#

141 411.6 36.0 54.0#



Abundance Scan 3149 (21.590 min): BG060180.D\data.ms (-3170) (-)

Chrysene-d12

Concen: 20.000 ng

RT: 21.589 min Scan# 3149

Delta R.T. -0.001 min

Lab File: BG060246.D

Acq: 4 Jan 2024 15:39

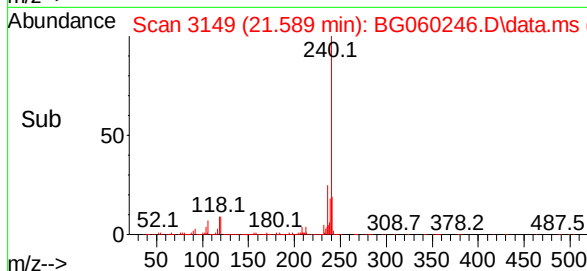
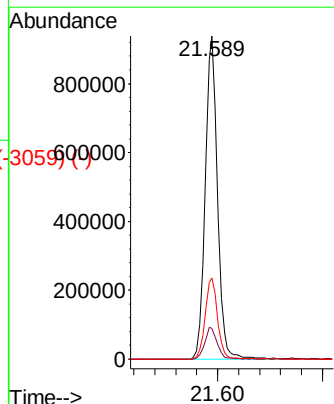
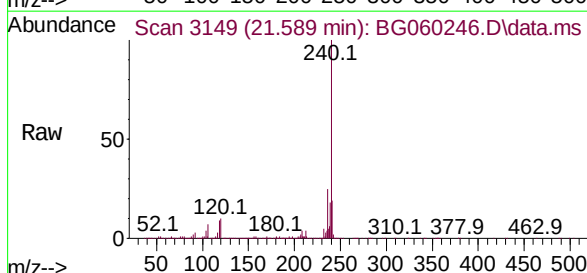
Tgt Ion:240 Resp: 1526428

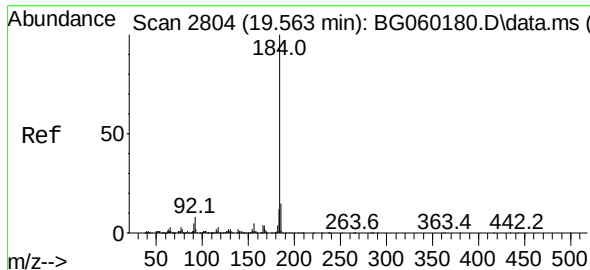
Ion Ratio Lower Upper

240 100

120 9.5 8.5 12.7

236 25.1 21.4 32.2





Benzidine

Concen: 2.324 ng

RT: 19.944 min Scan# 2869

Delta R.T. 0.381 min

Lab File: BG060246.D

Acq: 4 Jan 2024 15:39

Instrument :

BNA\_G

ClientSampleId :

COMA6

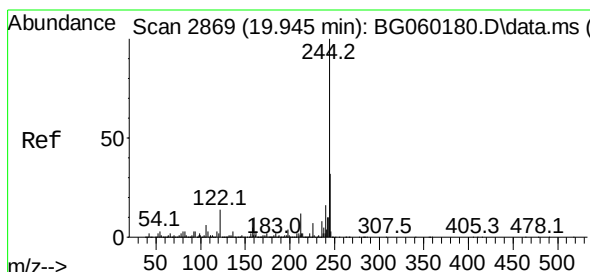
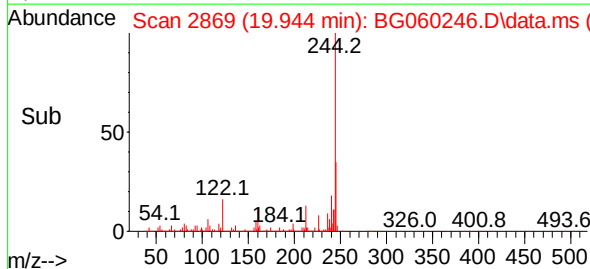
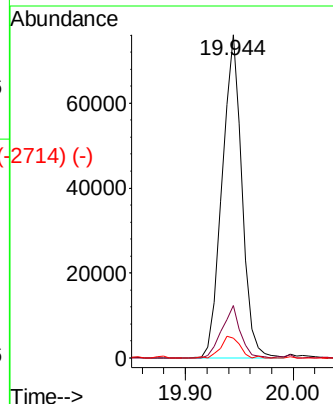
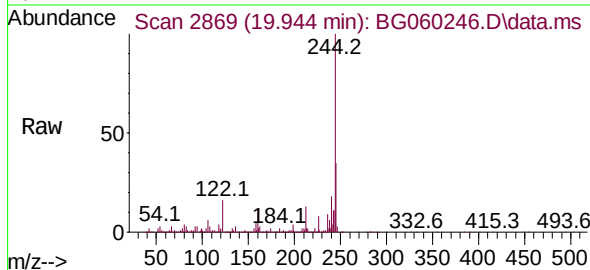
Tgt Ion:184 Resp: 98183

Ion Ratio Lower Upper

184 100

185 16.2 11.7 17.5

183 6.1 9.4 14.2#



Terphenyl-d14

Concen: 69.667 ng

RT: 19.944 min Scan# 2869

Delta R.T. -0.001 min

Lab File: BG060246.D

Acq: 4 Jan 2024 15:39

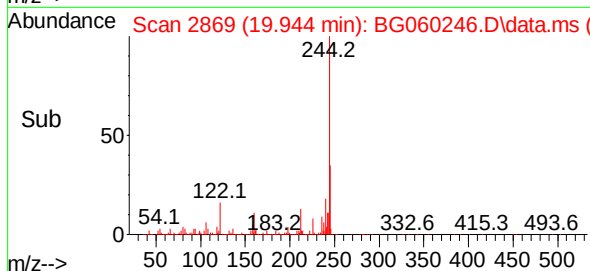
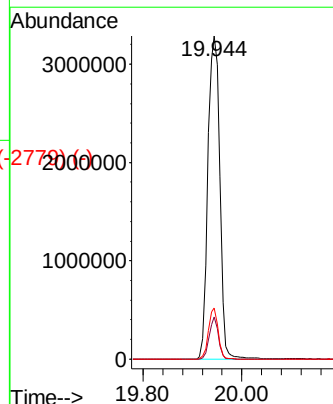
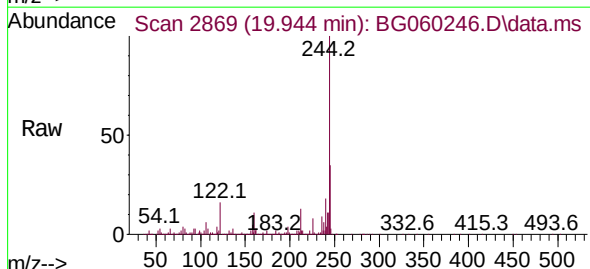
Tgt Ion:244 Resp: 5531443

Ion Ratio Lower Upper

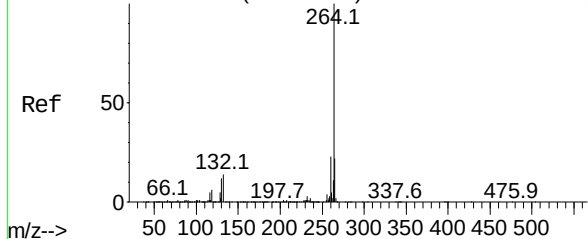
244 100

212 13.0 9.5 14.3

122 15.9 11.4 17.2



Abundance Scan 3690 (24.768 min): BG060180.D\data.ms (-3626) (-)



Perylene-d12

Concen: 20.000 ng

RT: 24.762 min Scan#

Delta R.T. -0.006 min

Lab File: BG060246.D

Acq: 4 Jan 2024 15:39

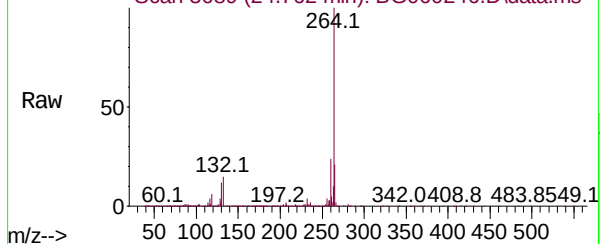
Instrument :

BNA\_G

ClientSampleId :

COMA6

Abundance Scan 3689 (24.762 min): BG060246.D\data.ms



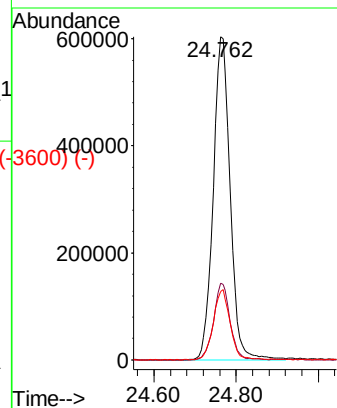
Tgt Ion:264 Resp: 1726364

Ion Ratio Lower Upper

264 100

260 23.8 18.0 27.0

265 21.2 17.4 26.0



Abundance Scan 3689 (24.762 min): BG060246.D\data.ms (-3600) (-)

