

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG083023\  
 Data File : BG058909.D  
 Acq On : 31 Aug 2023 00:12  
 Operator : MA/JU  
 Sample : 04197-23  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-309-OK-370-COMP-23

Quant Time: Aug 31 01:42:33 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG081823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 31 01:27:35 2023  
 Response via : Initial Calibration

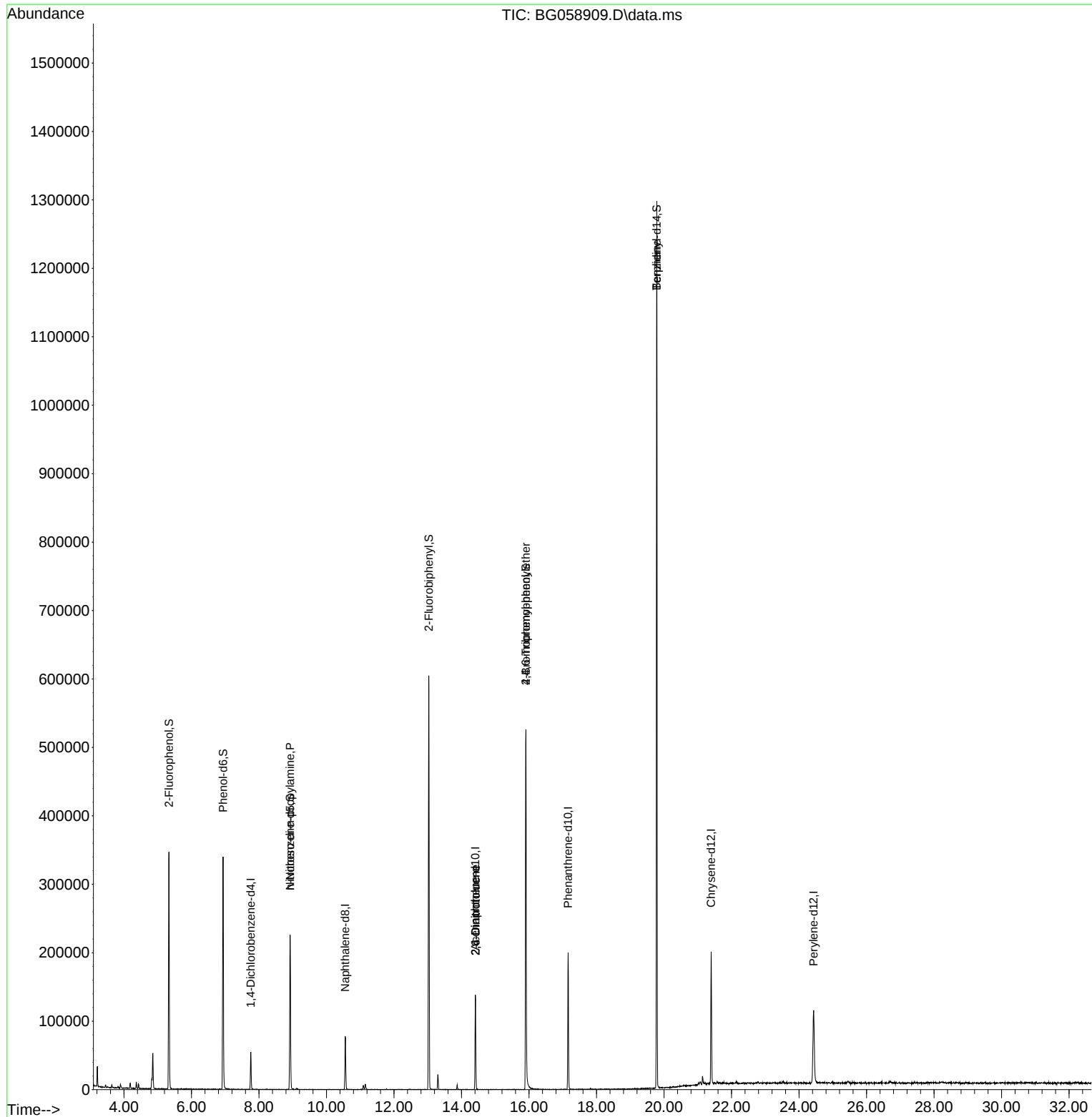
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.758  | 152  | 15302    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.555 | 136  | 64449    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.409 | 164  | 50758    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.159 | 188  | 132497   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.395 | 240  | 113845   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 24.433 | 264  | 133051   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.332  | 112  | 135838   | 142.856 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.936  | 99   | 183042   | 137.204 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.922  | 82   | 127682   | 95.248  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.908 | 330  | 125270   | 157.399 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.029 | 172  | 328004   | 93.989  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.785 | 244  | 653990   | 103.149 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 8.922  | 70   | 17005    | 19.719  | ng    | # 77     |
| 51) 2,6-Dinitrotoluene        | 14.415 | 165  | 6607     | 8.002   | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 14.415 | 165  | 6607     | 5.737   | ng    | # 19     |
| 67) 4-Bromophenyl-phenylether | 15.908 | 248  | 7821     | 5.379   | ng    | # 1      |
| 77) Benzidine                 | 19.785 | 184  | 9283     | 4.550   | ng    | # 89     |
| -----                         |        |      |          |         |       |          |

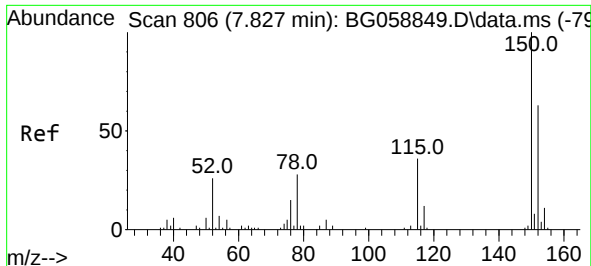
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 31 01:27:35 2023  
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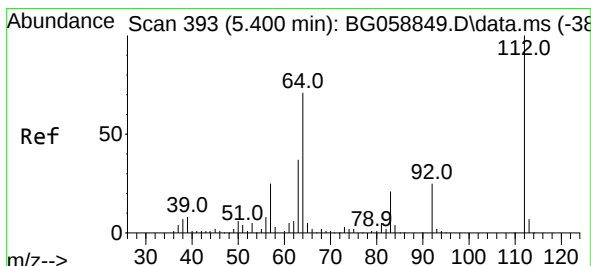
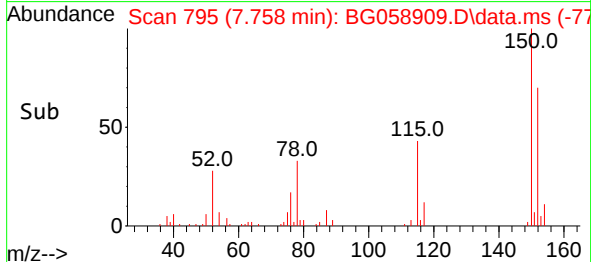
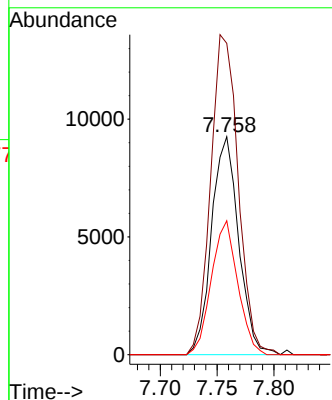
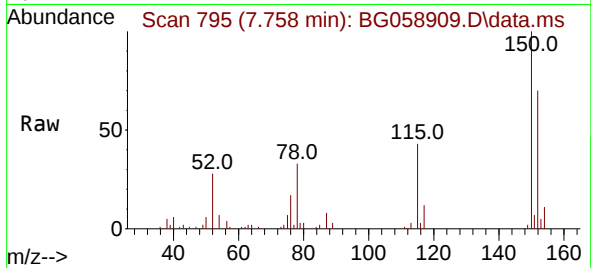




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.758 min Scan# 71  
Delta R.T. -0.001 min  
Lab File: BG058909.D  
Acq: 31 Aug 2023 00:12

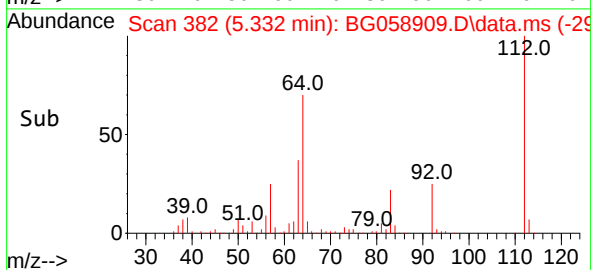
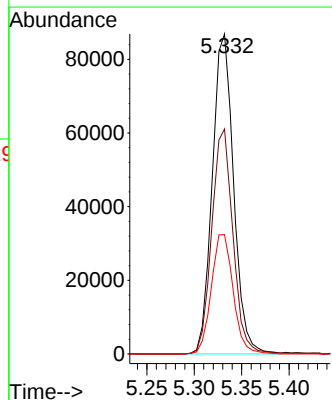
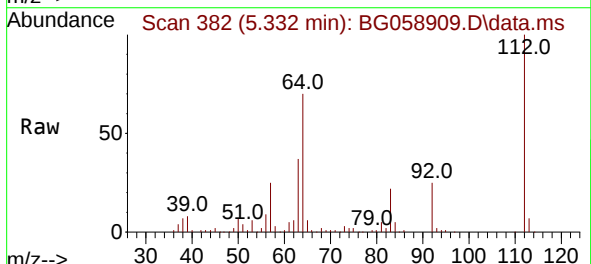
Instrument :  
BNA\_G  
ClientSampleId :  
OR-309-OK-370-COMP-23

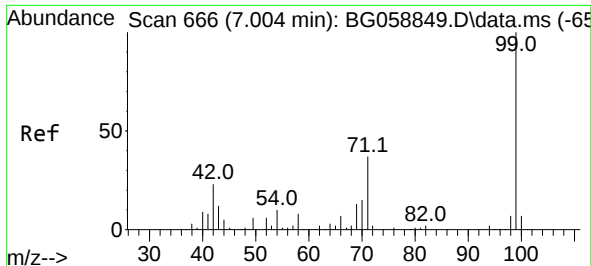
Tgt Ion:152 Resp: 15302  
Ion Ratio Lower Upper  
152 100  
150 142.9 128.6 192.8  
115 61.5 50.4 75.6



#5  
2-Fluorophenol  
Concen: 142.856 ng  
RT: 5.332 min Scan# 382  
Delta R.T. 0.005 min  
Lab File: BG058909.D  
Acq: 31 Aug 2023 00:12

Tgt Ion:112 Resp: 135838  
Ion Ratio Lower Upper  
112 100  
64 70.3 60.6 90.8  
63 37.3 31.0 46.4

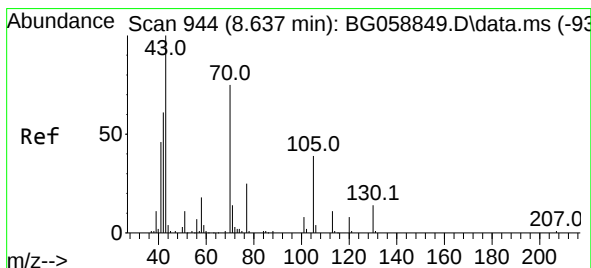
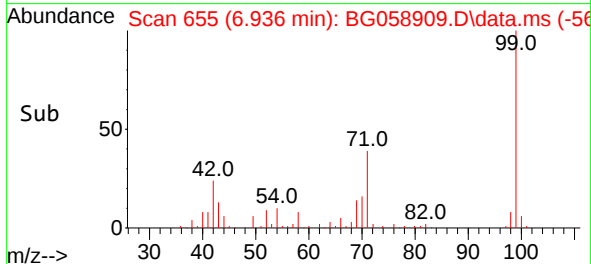
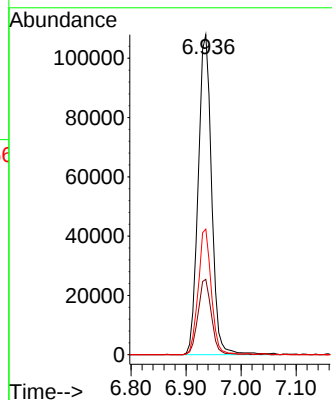
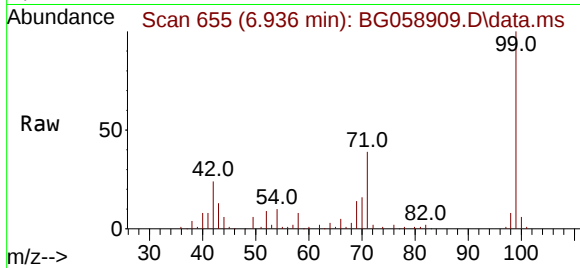




#7  
Phenol-d6  
Concen: 137.204 ng  
RT: 6.936 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BG058909.D  
Acq: 31 Aug 2023 00:12

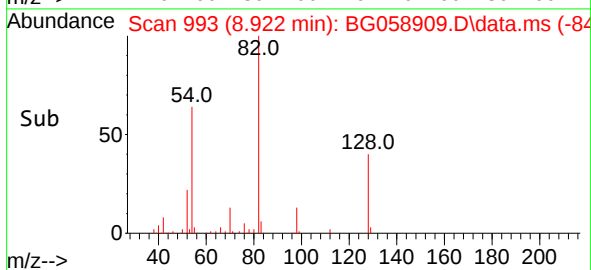
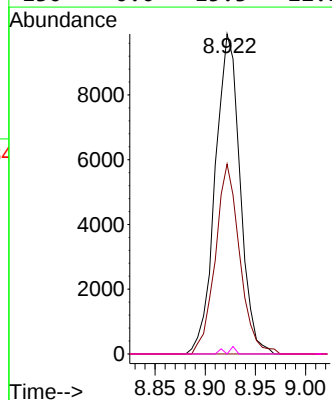
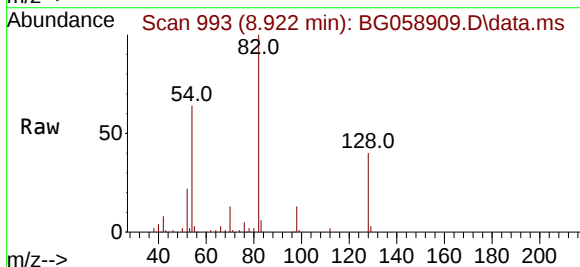
Instrument :  
BNA\_G  
ClientSampleId :  
OR-309-OK-370-COMP-23

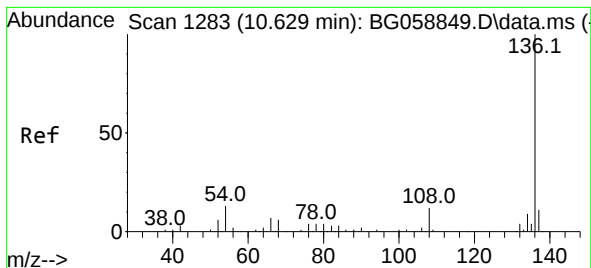
Tgt Ion: 99 Resp: 183042  
Ion Ratio Lower Upper  
99 100  
42 23.5 16.5 24.7  
71 39.2 28.4 42.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.719 ng  
RT: 8.922 min Scan# 993  
Delta R.T. 0.352 min  
Lab File: BG058909.D  
Acq: 31 Aug 2023 00:12

Tgt Ion: 70 Resp: 17005  
Ion Ratio Lower Upper  
70 100  
42 59.3 59.2 88.8  
101 0.0 8.2 12.2#  
130 0.0 15.3 22.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.555 min Scan# 11

Delta R.T. -0.006 min

Lab File: BG058909.D

Acq: 31 Aug 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

OR-309-OK-370-COMP-23

Tgt Ion:136 Resp: 64449

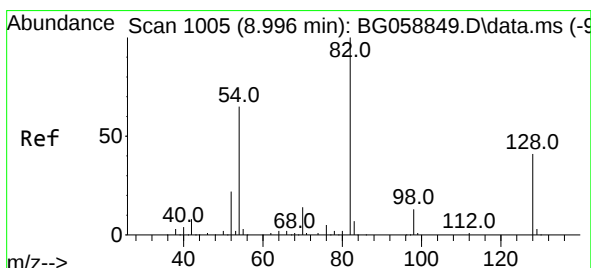
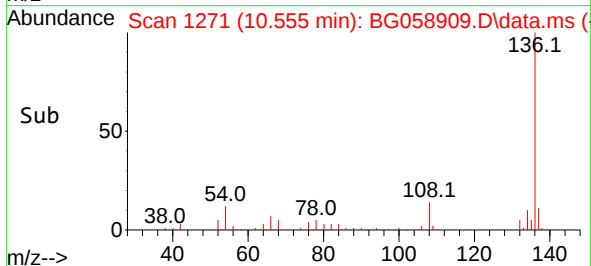
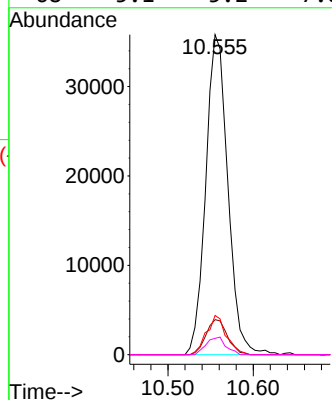
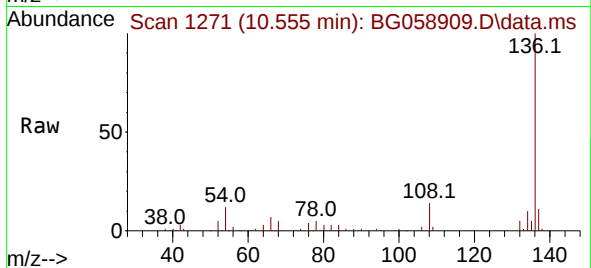
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 12.3 10.1 15.1

68 5.1 5.2 7.8#



#23

Nitrobenzene-d5

Concen: 95.248 ng

RT: 8.922 min Scan# 993

Delta R.T. -0.006 min

Lab File: BG058909.D

Acq: 31 Aug 2023 00:12

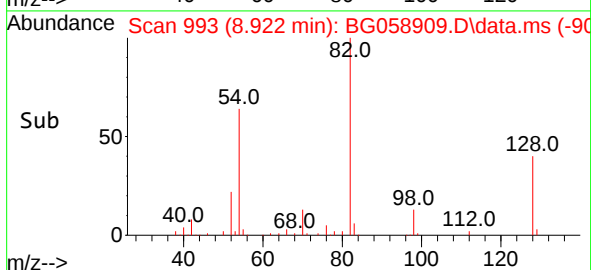
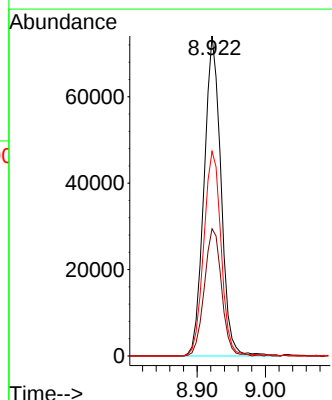
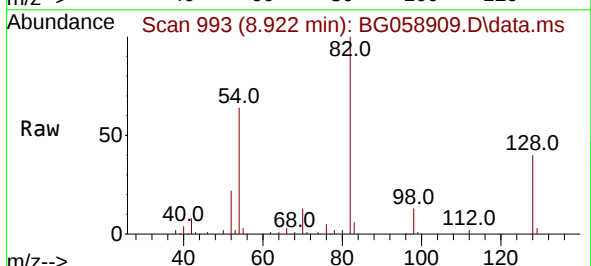
Tgt Ion: 82 Resp: 127682

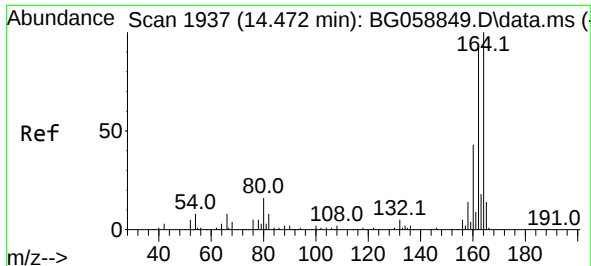
Ion Ratio Lower Upper

82 100

128 39.8 33.2 49.8

54 63.9 51.2 76.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.409 min Scan# 1937

Delta R.T. -0.006 min

Lab File: BG058909.D

Acq: 31 Aug 2023 00:12

Instrument :

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ClientSampleId :

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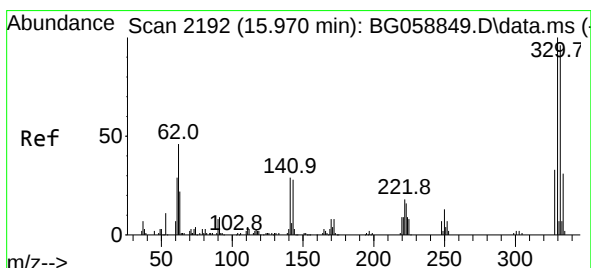
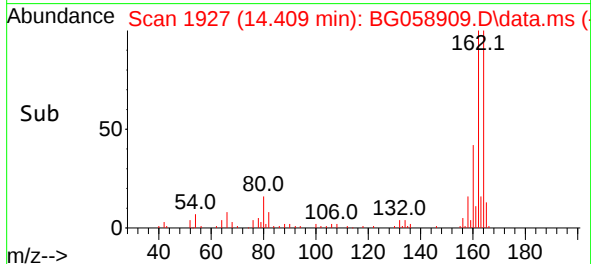
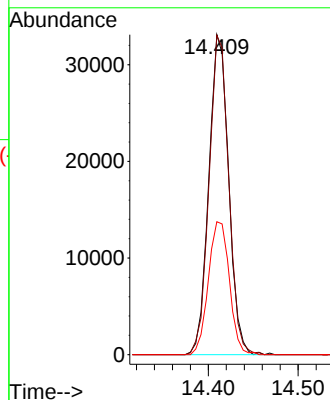
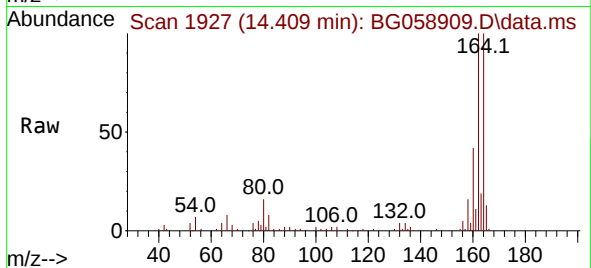
Tgt Ion:164 Resp: 50758

Ion Ratio Lower Upper

164 100

162 99.8 79.6 119.4

160 41.6 34.0 51.0



#42

2,4,6-Tribromophenol

Concen: 157.399 ng

RT: 15.908 min Scan# 2182

Delta R.T. -0.006 min

Lab File: BG058909.D

Acq: 31 Aug 2023 00:12

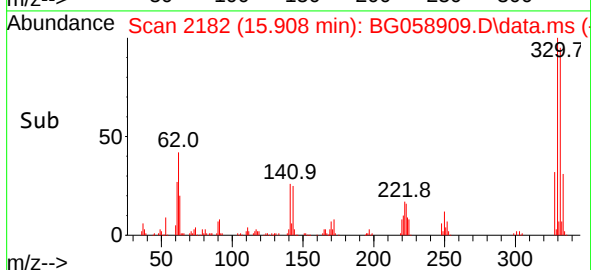
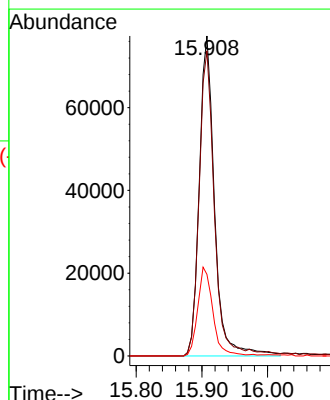
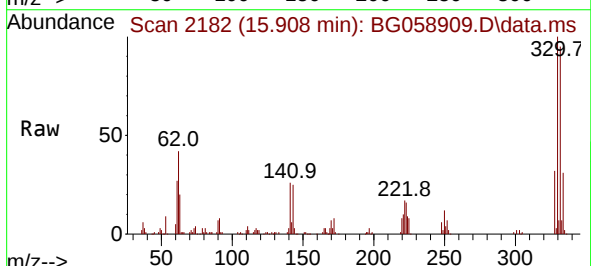
Tgt Ion:330 Resp: 125270

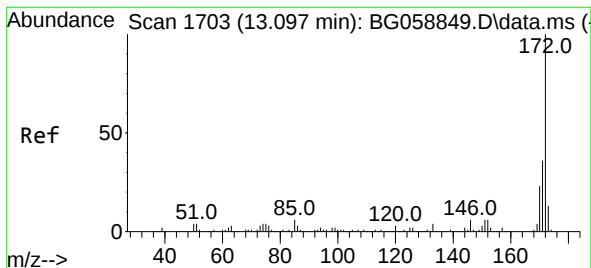
Ion Ratio Lower Upper

330 100

332 95.8 78.5 117.7

141 27.5 23.0 34.6





#45

2-Fluorobiphenyl

Concen: 93.989 ng

RT: 13.029 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG058909.D

Acq: 31 Aug 2023 00:12

Instrument :

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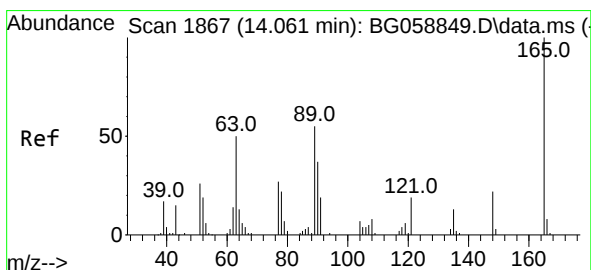
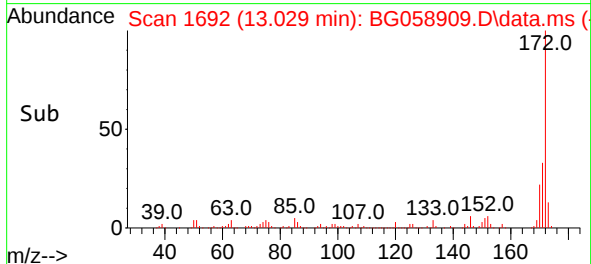
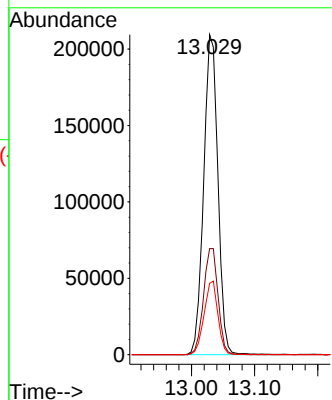
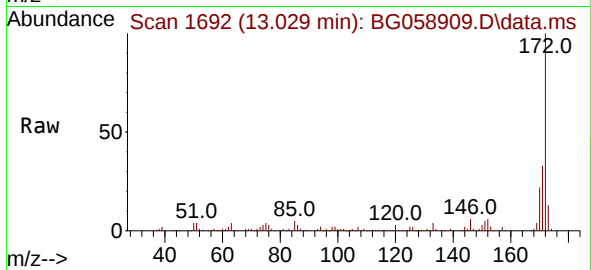
Tgt Ion:172 Resp: 328004

Ion Ratio Lower Upper

172 100

171 33.1 28.1 42.1

170 22.3 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 8.002 ng

RT: 14.415 min Scan# 1928

Delta R.T. 0.411 min

Lab File: BG058909.D

Acq: 31 Aug 2023 00:12

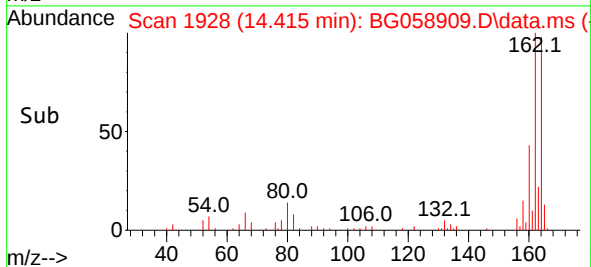
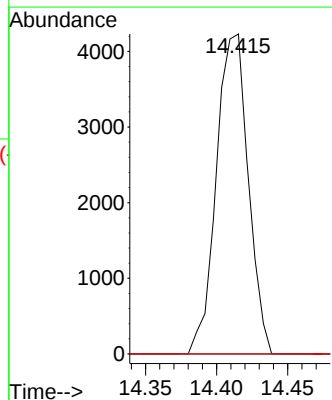
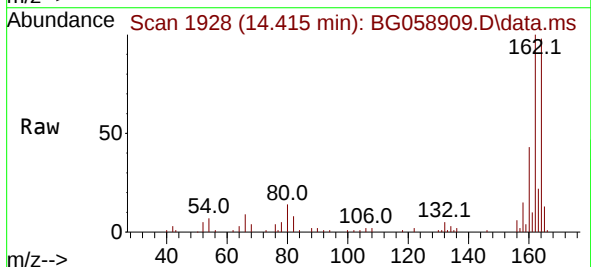
Tgt Ion:165 Resp: 6607

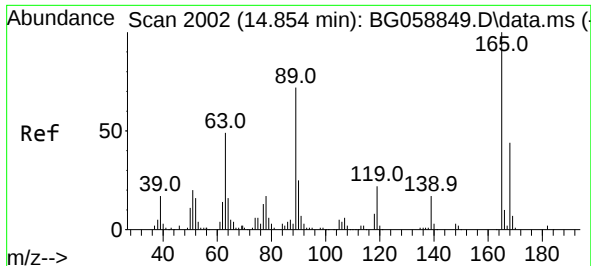
Ion Ratio Lower Upper

165 100

63 0.0 47.2 70.8#

89 0.0 45.0 67.4#





#57

2,4-Dinitrotoluene

Concen: 5.737 ng

RT: 14.415 min Scan# 1928

Delta R.T. -0.382 min

Lab File: BG058909.D

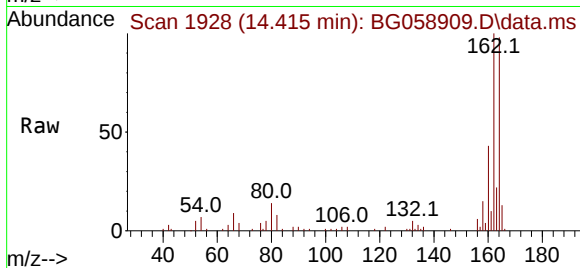
Acq: 31 Aug 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

OR-309-OK-370-COMP-23



Tgt Ion:165 Resp: 6607

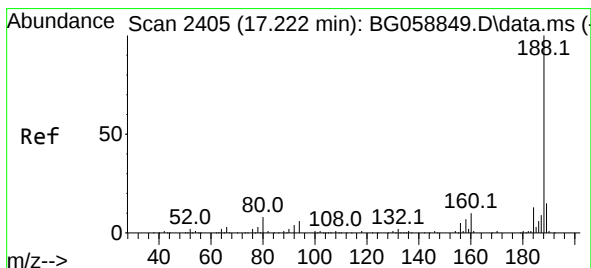
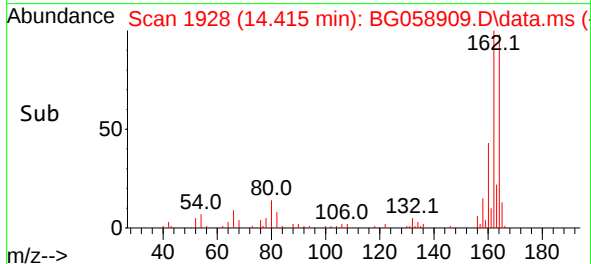
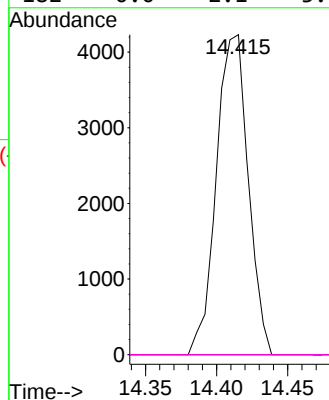
Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.6#

89 0.0 60.7 91.1#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.159 min Scan# 2395

Delta R.T. -0.006 min

Lab File: BG058909.D

Acq: 31 Aug 2023 00:12

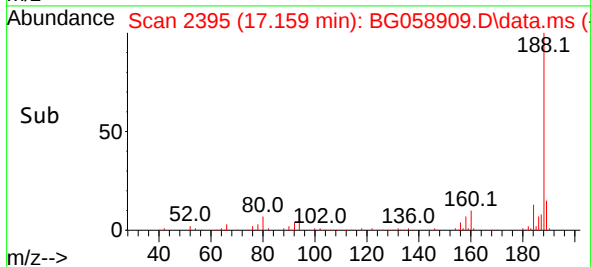
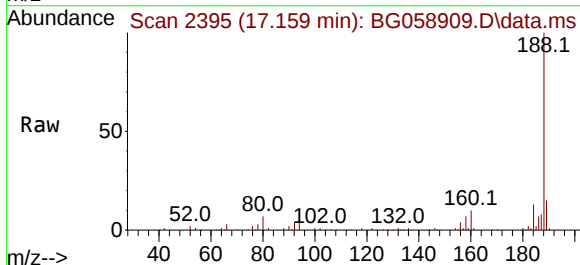
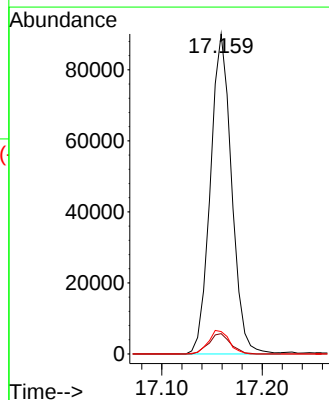
Tgt Ion:188 Resp: 132497

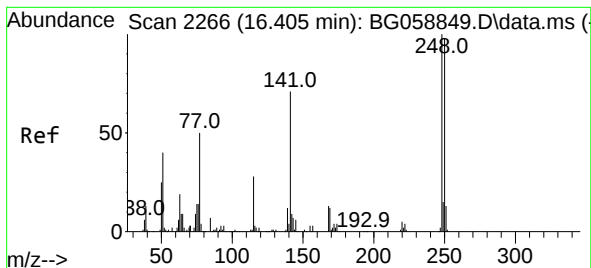
Ion Ratio Lower Upper

188 100

94 6.3 6.1 9.1

80 7.0 6.9 10.3

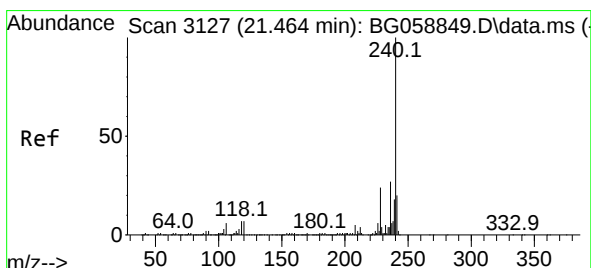
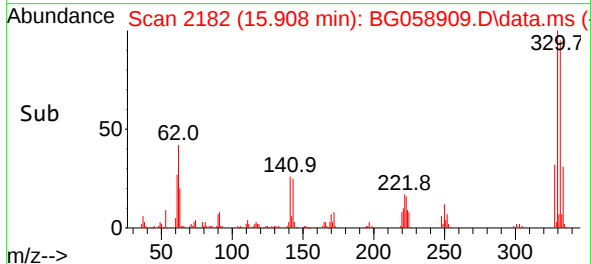
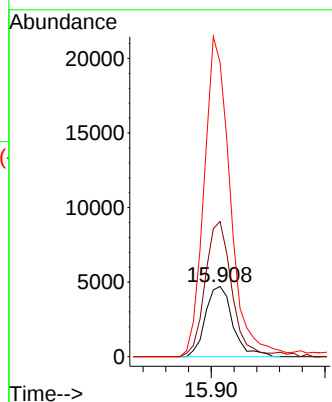
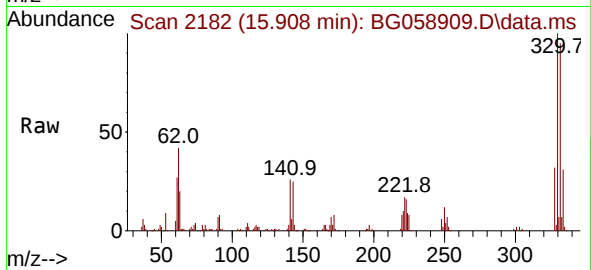




#67  
4-Bromophenyl-phenylether  
Concen: 5.379 ng  
RT: 15.908 min Scan# 2116  
Delta R.T. -0.447 min  
Lab File: BG058909.D  
Acq: 31 Aug 2023 00:12

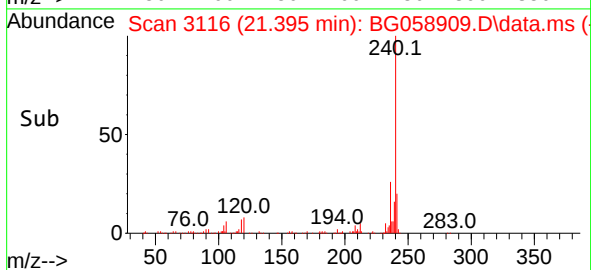
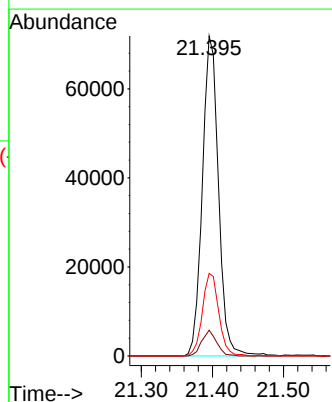
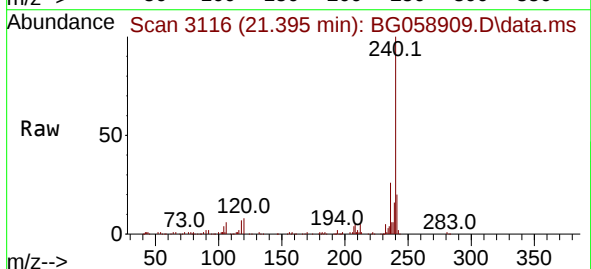
Instrument :  
BNA\_G  
ClientSampleId :  
OR-309-OK-370-COMP-23

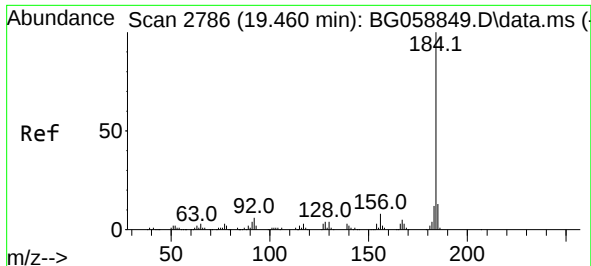
Tgt Ion:248 Resp: 7821  
Ion Ratio Lower Upper  
248 100  
250 192.6 77.7 116.5#  
141 418.9 53.6 80.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.395 min Scan# 3116  
Delta R.T. -0.012 min  
Lab File: BG058909.D  
Acq: 31 Aug 2023 00:12

Tgt Ion:240 Resp: 113845  
Ion Ratio Lower Upper  
240 100  
120 8.1 6.2 9.2  
236 25.8 20.5 30.7

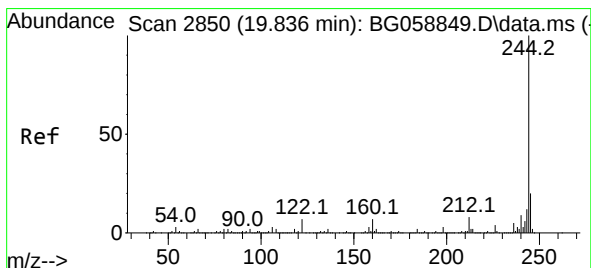
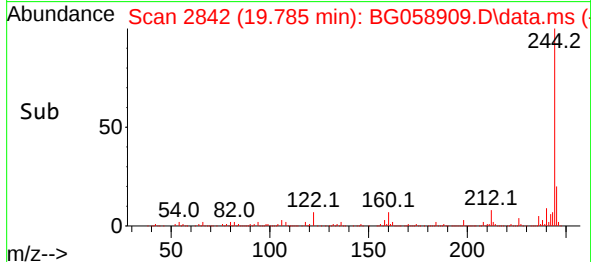
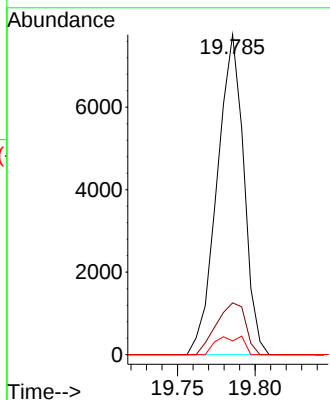
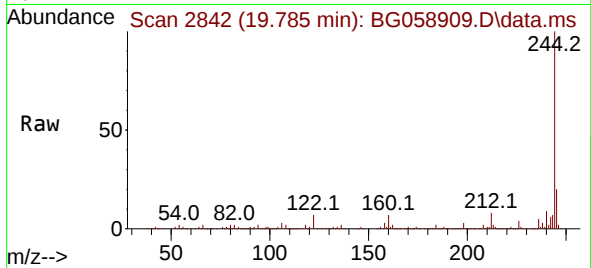




#77  
Benzidine  
Concen: 4.550 ng  
RT: 19.785 min Scan# 21  
Delta R.T. 0.376 min  
Lab File: BG058909.D  
Acq: 31 Aug 2023 00:12

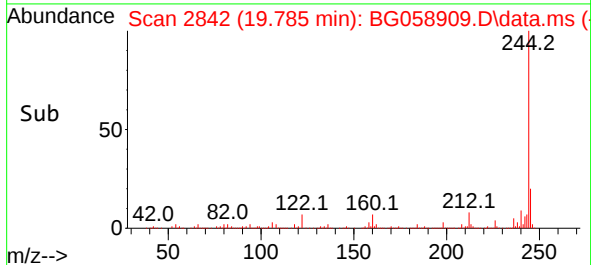
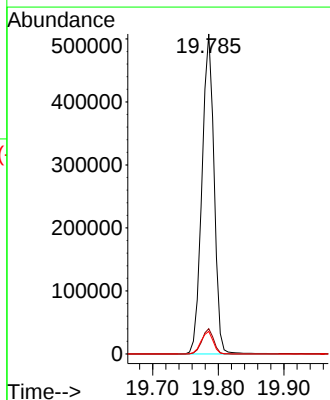
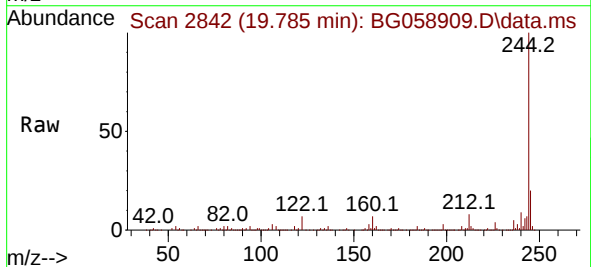
Instrument :  
BNA\_G  
ClientSampleId :  
OR-309-OK-370-COMP-23

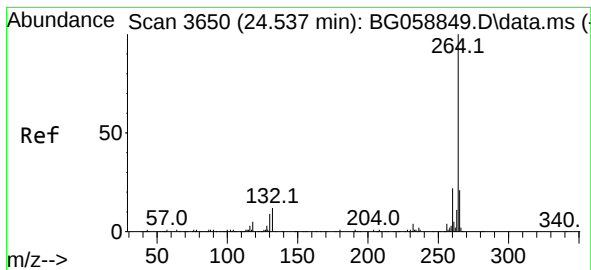
Tgt Ion:184 Resp: 9283  
Ion Ratio Lower Upper  
184 100  
185 16.2 11.9 17.9  
183 4.3 10.0 15.0#



#79  
Terphenyl-d14  
Concen: 103.149 ng  
RT: 19.785 min Scan# 2842  
Delta R.T. -0.006 min  
Lab File: BG058909.D  
Acq: 31 Aug 2023 00:12

Tgt Ion:244 Resp: 653990  
Ion Ratio Lower Upper  
244 100  
212 7.9 6.2 9.2  
122 7.0 6.3 9.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.433 min Scan# 3

Delta R.T. -0.006 min

Lab File: BG058909.D

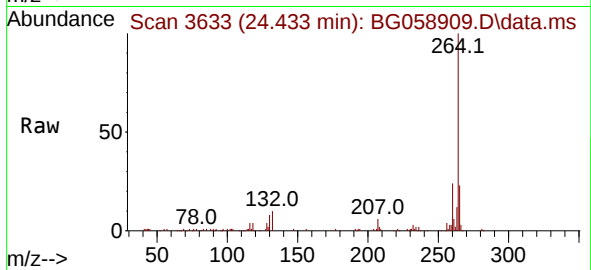
Acq: 31 Aug 2023 00:12

Instrument :

BNA\_G

ClientSampleId :

OR-309-OK-370-COMP-23



Tgt Ion:264 Resp: 133051

Ion Ratio Lower Upper

264 100

260 23.5 18.2 27.2

265 22.7 16.4 24.6

