

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG022122\  
 Data File : BG052440.D  
 Acq On : 21 Feb 2022 16:49  
 Operator : CG/JU  
 Sample : N1587-02  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PRPH-1-GW

Quant Time: Feb 22 00:51:41 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG020722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 08 01:21:20 2022  
 Response via : Initial Calibration

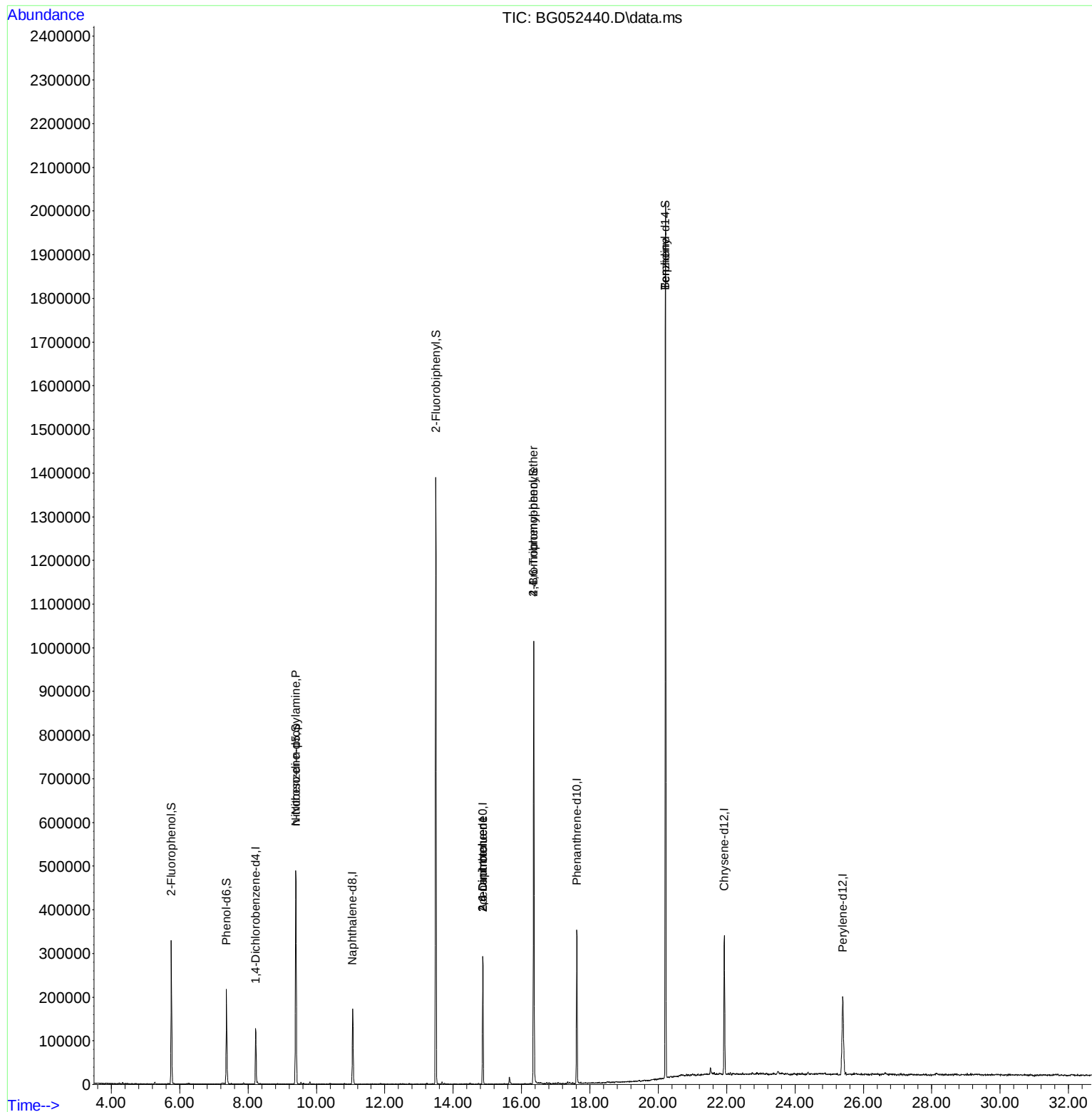
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.222  | 152  | 38661    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.059 | 136  | 155437   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.866 | 164  | 103008   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.615 | 188  | 227820   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 21.933 | 240  | 209302   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 25.398 | 264  | 216348   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.754  | 112  | 147536   | 66.510    | ng    | 0.00     |
| 7) Phenol-d6                  | 7.370  | 99   | 124790   | 36.460    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.397  | 82   | 320122   | 89.508    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.358 | 330  | 219183   | 148.109   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.491 | 172  | 742298   | 100.133   | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.211 | 244  | 1027909  | 86.724    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
| 9) Benzaldehyde               | 7.341  | 77   | 63       | Below Cal | #     | 8        |
| 19) n-Nitroso-di-n-propyla... | 9.397  | 70   | 44198    | 17.129 ng | #     | 70       |
| 51) 2,6-Dinitrotoluene        | 14.866 | 165  | 14428    | 8.473 ng  | #     | 17       |
| 57) 2,4-Dinitrotoluene        | 14.866 | 165  | 14428    | 5.953 ng  | #     | 16       |
| 67) 4-Bromophenyl-phenylether | 16.358 | 248  | 14090    | 5.086 ng  | #     | 1        |
| 77) Benzidine                 | 20.211 | 184  | 14616    | 3.268 ng  | #     | 93       |
| -----                         |        |      |          |           |       |          |

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

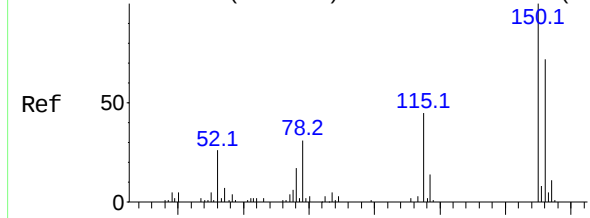
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG022122\  
Data File : BG052440.D  
Acq On : 21 Feb 2022 16:49  
Operator : CG/JU  
Sample : N1587-02  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_G  
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PRPH-1-GW

Quant Time: Feb 22 00:51:41 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG020722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Feb 08 01:21:20 2022  
Response via : Initial Calibration



Abundance Scan 806 (8.223 min): BG052305.D\data.ms (-799)#1



1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.222 min Scan# 8

Delta R.T. -0.001 min

Lab File: BG052440.D

Acq: 21 Feb 2022 16:49

Instrument :

BNA\_G

ClientSampleId :

PRPH-1-GW

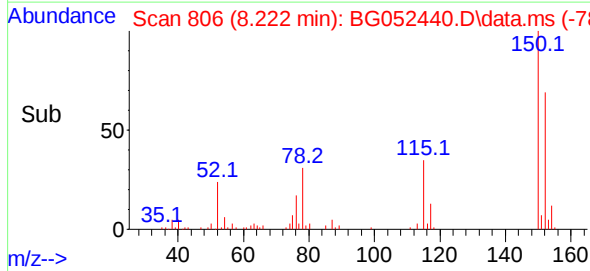
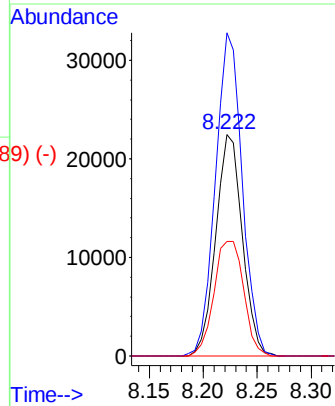
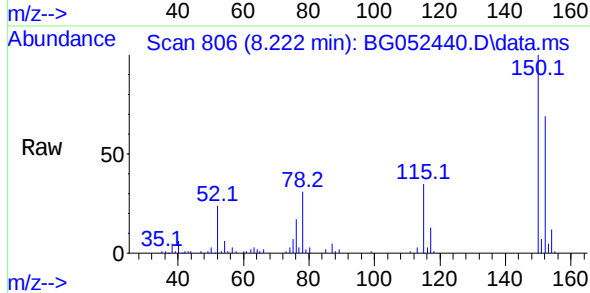
Tgt Ion:152 Resp: 38661

Ion Ratio Lower Upper

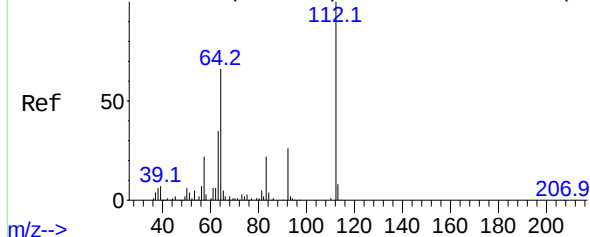
152 100

150 145.9 117.8 176.8

115 51.7 50.2 75.2



Abundance Scan 385 (5.750 min): BG052305.D\data.ms (-377)#5



2-Fluorophenol

Concen: 66.510 ng

RT: 5.754 min Scan# 386

Delta R.T. 0.004 min

Lab File: BG052440.D

Acq: 21 Feb 2022 16:49

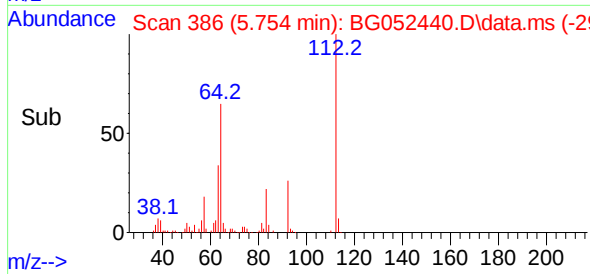
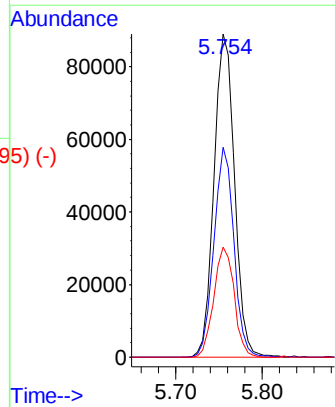
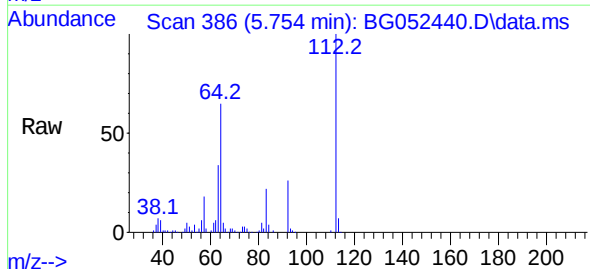
Tgt Ion:112 Resp: 147536

Ion Ratio Lower Upper

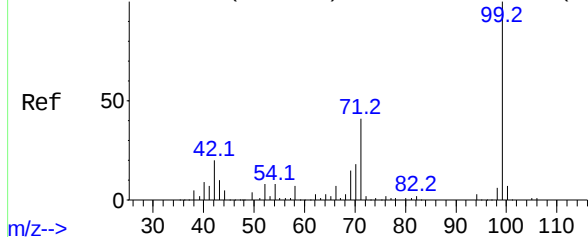
112 100

64 65.0 60.4 90.6

63 34.0 33.3 49.9



Abundance Scan 661 (7.372 min): BG052305.D\data.ms (-652) #7



Phenol-d6

Concen: 36.460 ng

RT: 7.370 min Scan#

Delta R.T. -0.002 min

Lab File: BG052440.D

Acq: 21 Feb 2022 16:49

Instrument :

BNA\_G

ClientSampleId :

PRPH-1-GW

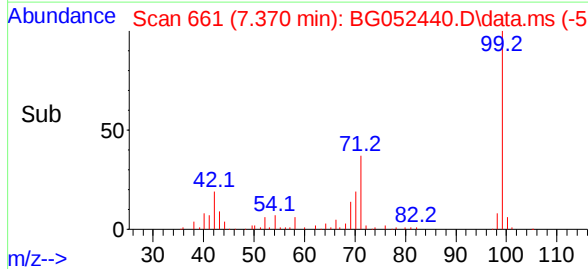
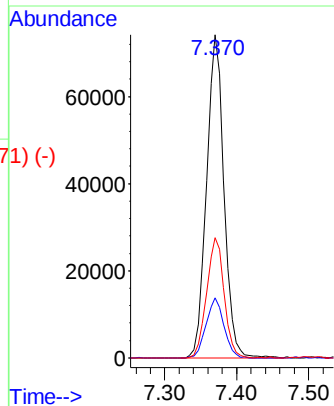
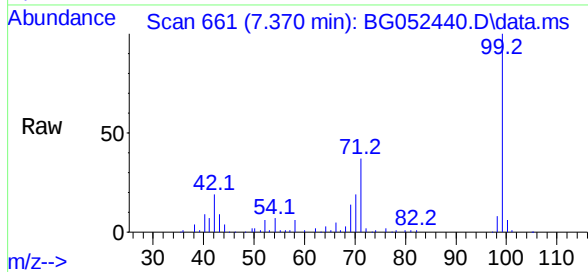
Tgt Ion: 99 Resp: 124790

Ion Ratio Lower Upper

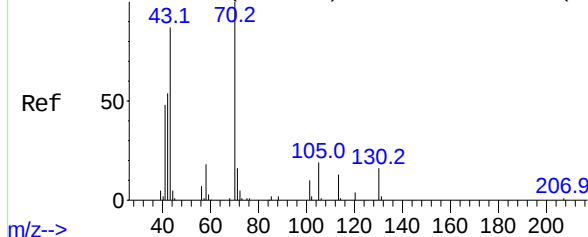
99 100

42 18.6 19.1 28.7#

71 37.1 33.4 50.2



Abundance Scan 943 (9.028 min): BG052305.D\data.ms (-936) #19



n-Nitroso-di-n-propylamine

Concen: 17.129 ng

RT: 9.397 min Scan# 1006

Delta R.T. 0.368 min

Lab File: BG052440.D

Acq: 21 Feb 2022 16:49

Tgt Ion: 70 Resp: 44198

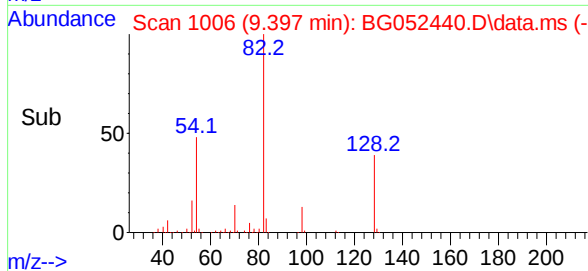
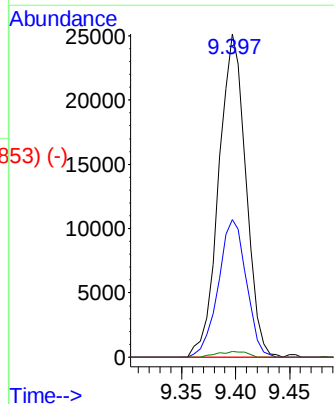
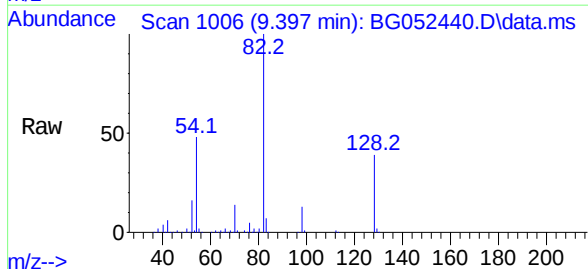
Ion Ratio Lower Upper

70 100

42 42.5 51.8 77.6#

101 0.0 6.6 10.0#

130 1.8 14.7 22.1#



Abundance Scan 1290 (11.067 min): BG052305.D\data.ms (-1281) (-)

Naphthalene-d8

Concen: 20.000 ng

RT: 11.059 min Scan# 1290

Delta R.T. -0.008 min

Lab File: BG052440.D

Acq: 21 Feb 2022 16:49

Instrument :

BNA\_G

ClientSampleId :

PRPH-1-GW

Tgt Ion:136 Resp: 155437

Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 7.5 8.3 12.5#

68 5.7 4.5 6.7

Abundance Scan 1289 (11.059 min): BG052440.D\data.ms

m/z-->

Abundance Scan 1289 (11.059 min): BG052440.D\data.ms

m/z-->

Abundance Scan 1289 (11.059 min): BG052440.D\data.ms (-1200) (-)

m/z-->

Abundance

Time-->

Abundance Scan 1006 (9.397 min): BG052305.D\data.ms (-999) (-)

Nitrobenzene-d5

Concen: 89.508 ng

RT: 9.397 min Scan# 1006

Delta R.T. -0.002 min

Lab File: BG052440.D

Acq: 21 Feb 2022 16:49

Tgt Ion: 82 Resp: 320122

Ion Ratio Lower Upper

82 100

128 39.0 27.0 40.4

54 48.4 41.0 61.6

Abundance Scan 1006 (9.397 min): BG052440.D\data.ms

m/z-->

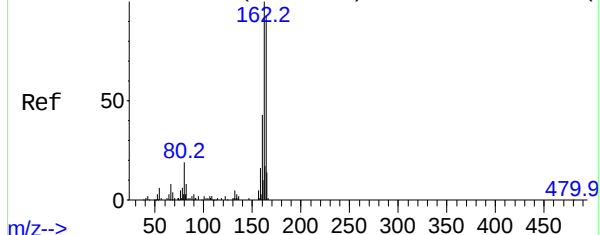
Abundance Scan 1006 (9.397 min): BG052440.D\data.ms (-916) (-)

m/z-->

Abundance

Time-->

Abundance Scan 1938 (14.873 min): BG052305.D\data.ms (-1938) (-)



Acenaphthene-d10

Concen: 20.000 ng

RT: 14.866 min Scan#

Delta R.T. -0.007 min

Lab File: BG052440.D

Acq: 21 Feb 2022 16:49

Instrument :

BNL\_G

ClientSampleId :

PRPH-1-GW

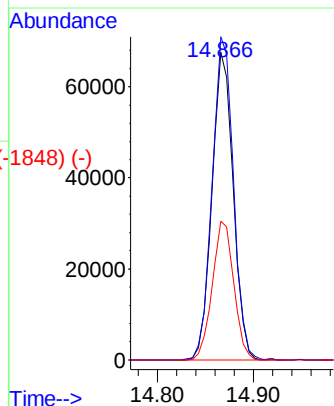
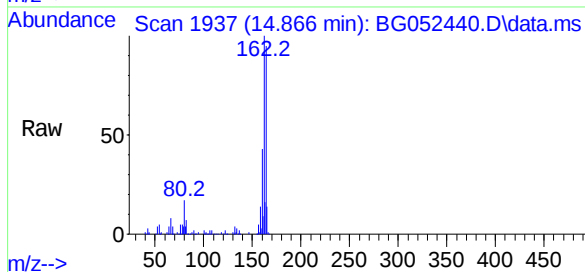
Tgt Ion:164 Resp: 103008

Ion Ratio Lower Upper

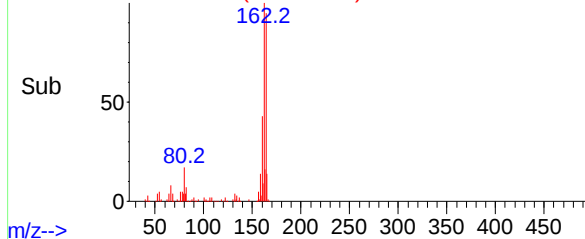
164 100

162 105.0 82.2 123.2

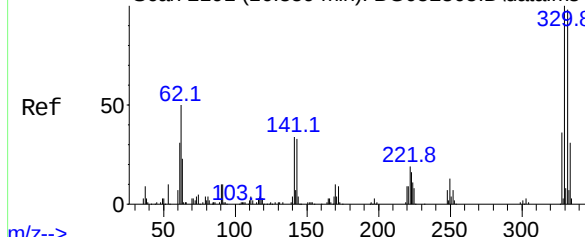
160 45.1 36.2 54.2



Abundance Scan 1937 (14.866 min): BG052440.D\data.ms (-1848) (-)



Abundance Scan 2191 (16.359 min): BG052305.D\data.ms (-2191) (-)



2,4,6-Tribromophenol

Concen: 148.109 ng

RT: 16.358 min Scan# 2191

Delta R.T. -0.001 min

Lab File: BG052440.D

Acq: 21 Feb 2022 16:49

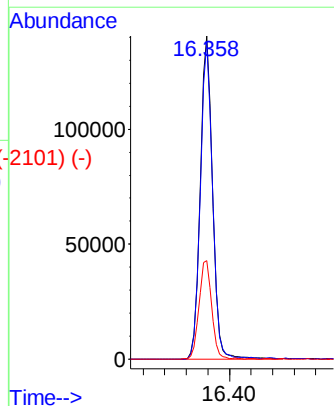
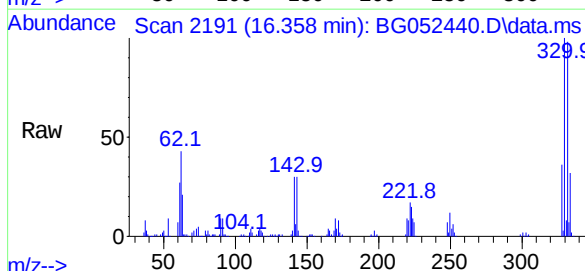
Tgt Ion:330 Resp: 219183

Ion Ratio Lower Upper

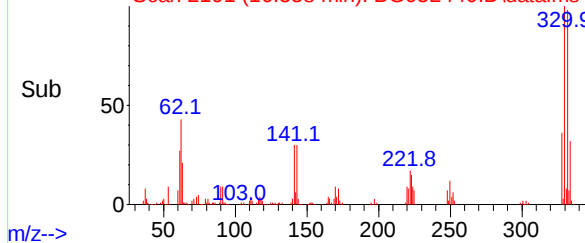
330 100

332 96.8 78.6 117.8

141 31.3 28.8 43.2



Abundance Scan 2191 (16.358 min): BG052440.D\data.ms (-2101) (-)



Abundance Scan 1703 (13.493 min): BG052305.D\data.ms (-1695) (-)

2-Fluorobiphenyl

Concen: 100.133 ng

RT: 13.491 min Scan# 1937

Delta R.T. -0.002 min

Lab File: BG052440.D

Acq: 21 Feb 2022 16:49

Instrument :

BNA\_G

ClientSampleId :

PRPH-1-GW

Tgt Ion:172 Resp: 742298

Ion Ratio Lower Upper

172 100

171 35.7 28.3 42.5

170 23.3 18.3 27.5

m/z-->

Abundance Scan 1703 (13.491 min): BG052440.D\data.ms

172.2

50.1 85.2 120.2 146.2

Raw

50

0

40 60 80 100 120 140 160 180 200

m/z-->

Abundance Scan 1703 (13.491 min): BG052440.D\data.ms (-1613) (-)

172.2

50.1 85.2 120.2 146.2

Sub

50

0

40 60 80 100 120 140 160 180 200

m/z-->

Abundance

13.491

400000

300000

200000

100000

0

13.40 13.50 13.60

Time-->

Abundance Scan 1863 (14.433 min): BG052305.D\data.ms (-1650) (-)

2,6-Dinitrotoluene

Concen: 8.473 ng

RT: 14.866 min Scan# 1937

Delta R.T. 0.433 min

Lab File: BG052440.D

Acq: 21 Feb 2022 16:49

Tgt Ion:165 Resp: 14428

Ion Ratio Lower Upper

165 100

63 1.9 59.0 88.4#

89 0.0 49.4 74.0#

m/z-->

Abundance Scan 1937 (14.866 min): BG052440.D\data.ms

162.2

54.1 80.2 106.2 132.2

Raw

50

0

40 60 80 100 120 140 160 180

m/z-->

Abundance Scan 1937 (14.866 min): BG052440.D\data.ms (-1773) (-)

162.2

54.1 80.2 106.2 132.2

Sub

50

0

40 60 80 100 120 140 160 180

m/z-->

Abundance

14.866

8000

6000

4000

2000

0

14.80 14.85 14.90

Time-->

Abundance Scan 1997 (15.220 min): BG052305.D\data.ms (-1957) (-)

2,4-Dinitrotoluene

Concen: 5.953 ng

RT: 14.866 min Scan# 1957

Delta R.T. -0.354 min

Lab File: BG052440.D

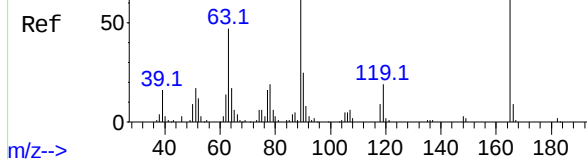
Acq: 21 Feb 2022 16:49

Instrument :

BNA\_G

ClientSampleId :

PRPH-1-GW



Tgt Ion:165 Resp: 14428

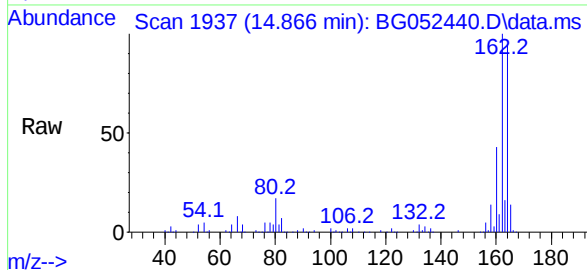
Ion Ratio Lower Upper

165 100

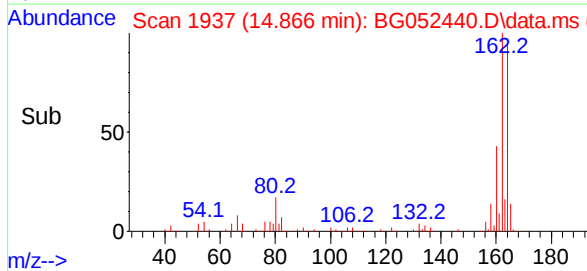
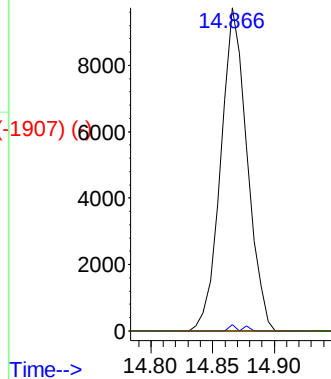
63 1.9 44.6 66.8#

89 0.0 67.4 101.0#

182 0.0 1.6 2.4#



Abundance



Abundance Scan 2406 (17.622 min): BG052305.D\data.ms (-2396) (-)

Phenanthrene-d10

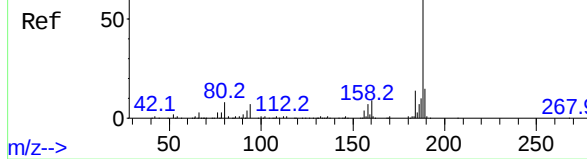
Concen: 20.000 ng

RT: 17.615 min Scan# 2405

Delta R.T. -0.007 min

Lab File: BG052440.D

Acq: 21 Feb 2022 16:49



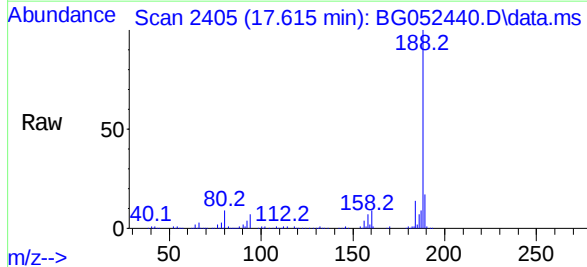
Tgt Ion:188 Resp: 227820

Ion Ratio Lower Upper

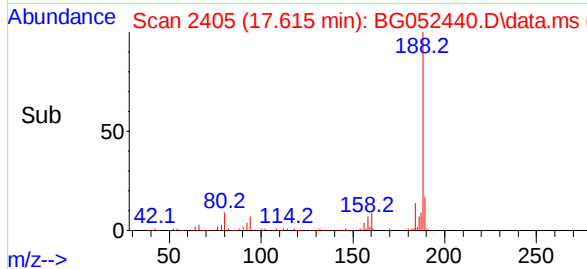
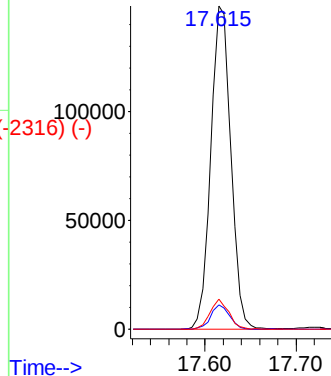
188 100

94 7.4 5.9 8.9

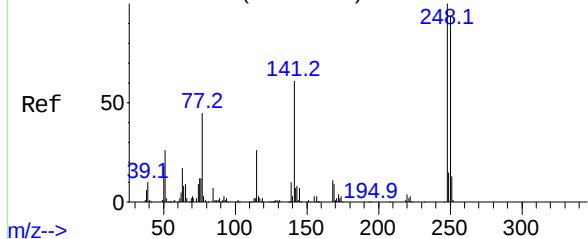
80 9.4 6.6 10.0



Abundance



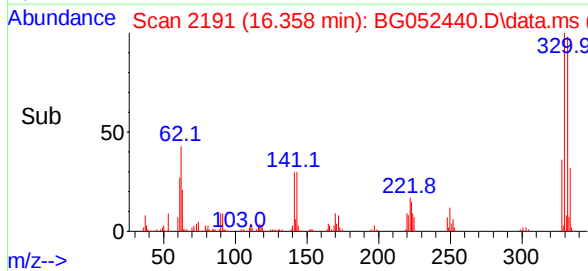
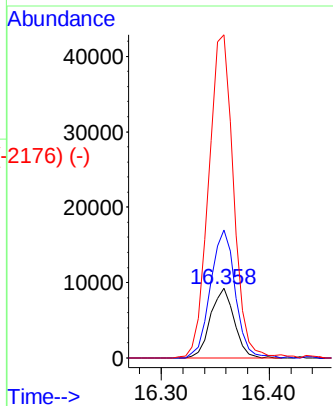
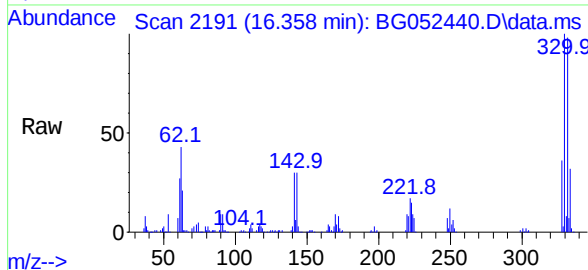
Abundance Scan 2266 (16.800 min): BG052305.D\data.ms (-2266) (-)



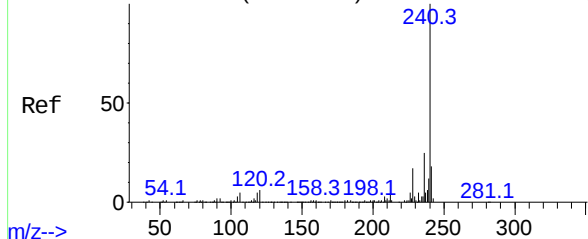
4-Bromophenyl-phenylether  
Concen: 5.086 ng  
RT: 16.358 min Scan# 1  
Delta R.T. -0.442 min  
Lab File: BG052440.D  
Acq: 21 Feb 2022 16:49

Instrument :  
BNA\_G  
ClientSampleId :  
PRPH-1-GW

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 248   | Resp: | 14090  |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 184.4 | 79.6  | 119.4# |
| 141       | 465.7 | 54.6  | 81.8#  |

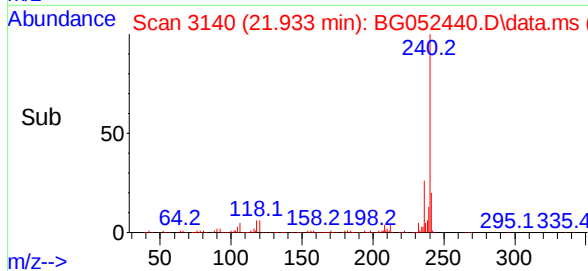
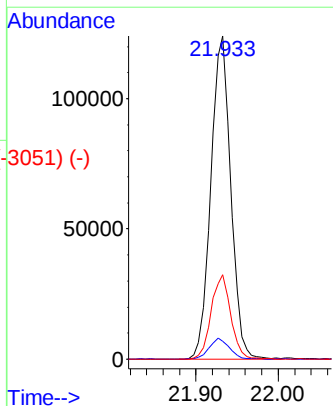
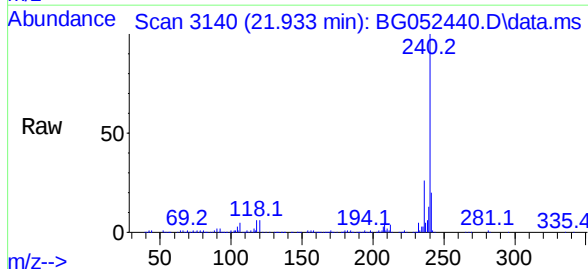


Abundance Scan 3141 (21.940 min): BG052305.D\data.ms (-3141) (-)

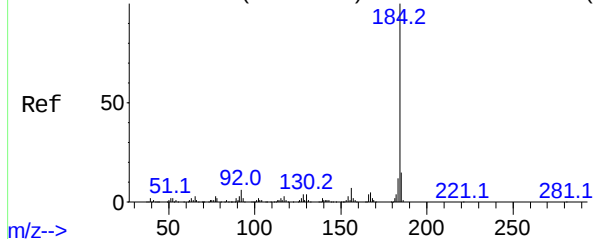


Chrysene-d12  
Concen: 20.000 ng  
RT: 21.933 min Scan# 3140  
Delta R.T. -0.008 min  
Lab File: BG052440.D  
Acq: 21 Feb 2022 16:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 209302 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 5.6   | 4.4   | 6.6    |
| 236       | 26.2  | 20.8  | 31.2   |



Abundance Scan 2782 (19.831 min): BG052305.D\data.ms (-2775) (-)



Benzidine

Concen: 3.268 ng

RT: 20.211 min Scan# 2847

Delta R.T. 0.380 min

Lab File: BG052440.D

Acq: 21 Feb 2022 16:49

Instrument :

BNA\_G

ClientSampleId :

PRPH-1-GW

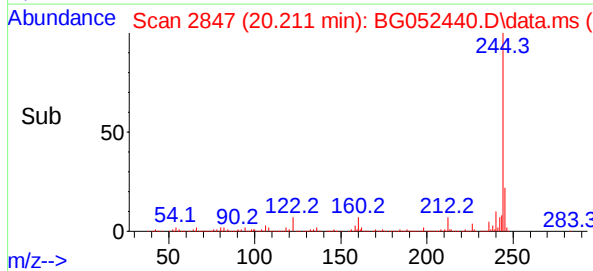
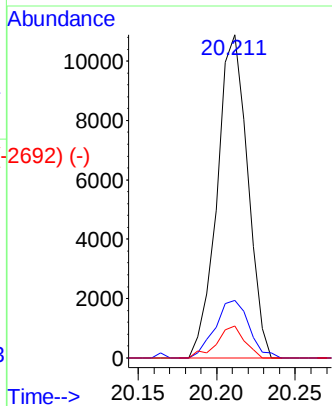
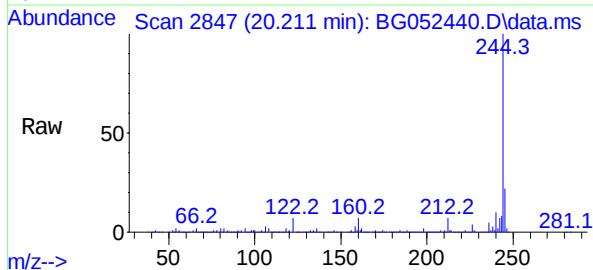
Tgt Ion:184 Resp: 14616

Ion Ratio Lower Upper

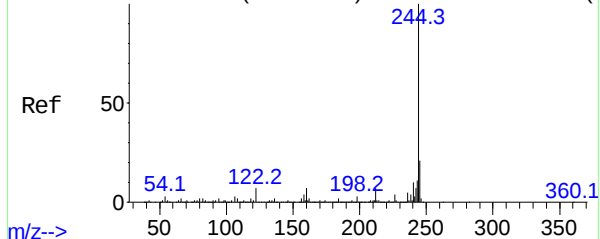
184 100

185 17.9 11.8 17.8#

183 9.8 9.8 14.6



Abundance Scan 2847 (20.213 min): BG052305.D\data.ms (-2775) (-)



Terphenyl-d14

Concen: 86.724 ng

RT: 20.211 min Scan# 2847

Delta R.T. -0.002 min

Lab File: BG052440.D

Acq: 21 Feb 2022 16:49

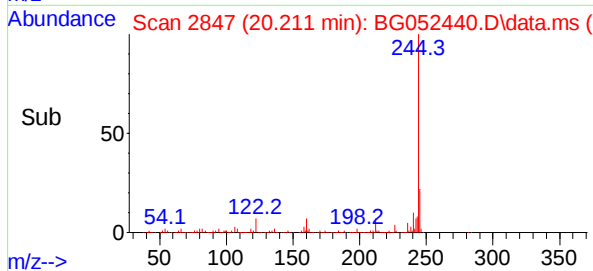
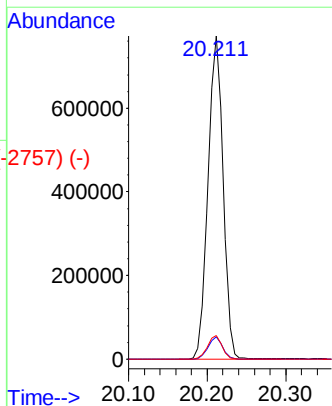
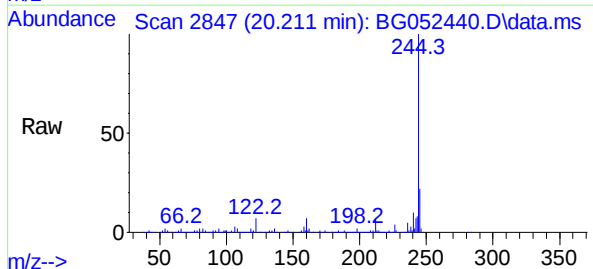
Tgt Ion:244 Resp: 1027909

Ion Ratio Lower Upper

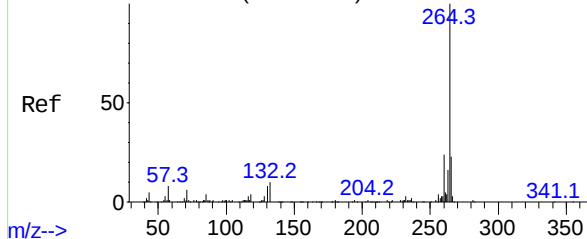
244 100

212 7.0 6.0 9.0

122 7.4 6.2 9.4



Abundance Scan 3731 (25.406 min): BG052305.D\data.ms (-3731) (-)



Perylene-d12

Concen: 20.000 ng

RT: 25.398 min Scan# 1

Delta R.T. -0.007 min

Lab File: BG052440.D

Acq: 21 Feb 2022 16:49

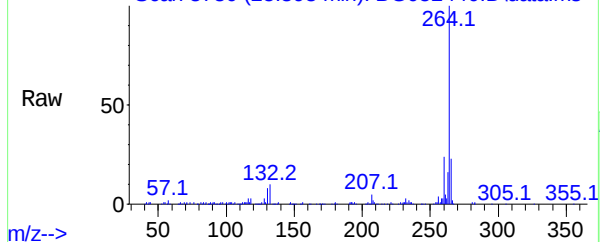
Instrument :

BNA\_G

ClientSampleId :

PRPH-1-GW

Abundance Scan 3730 (25.398 min): BG052440.D\data.ms



Tgt Ion:264 Resp: 216348

Ion Ratio Lower Upper

264 100

260 24.0 18.5 27.7

265 22.6 17.8 26.6

Abundance Scan 3730 (25.398 min): BG052440.D\data.ms (-3641) (-)

