

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051822\  
 Data File : BG053616.D  
 Acq On : 18 May 2022 23:21  
 Operator : CG/JU  
 Sample : N2824-13  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COM-3

Quant Time: May 19 05:13:34 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG050522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 11 06:00:46 2022  
 Response via : Initial Calibration

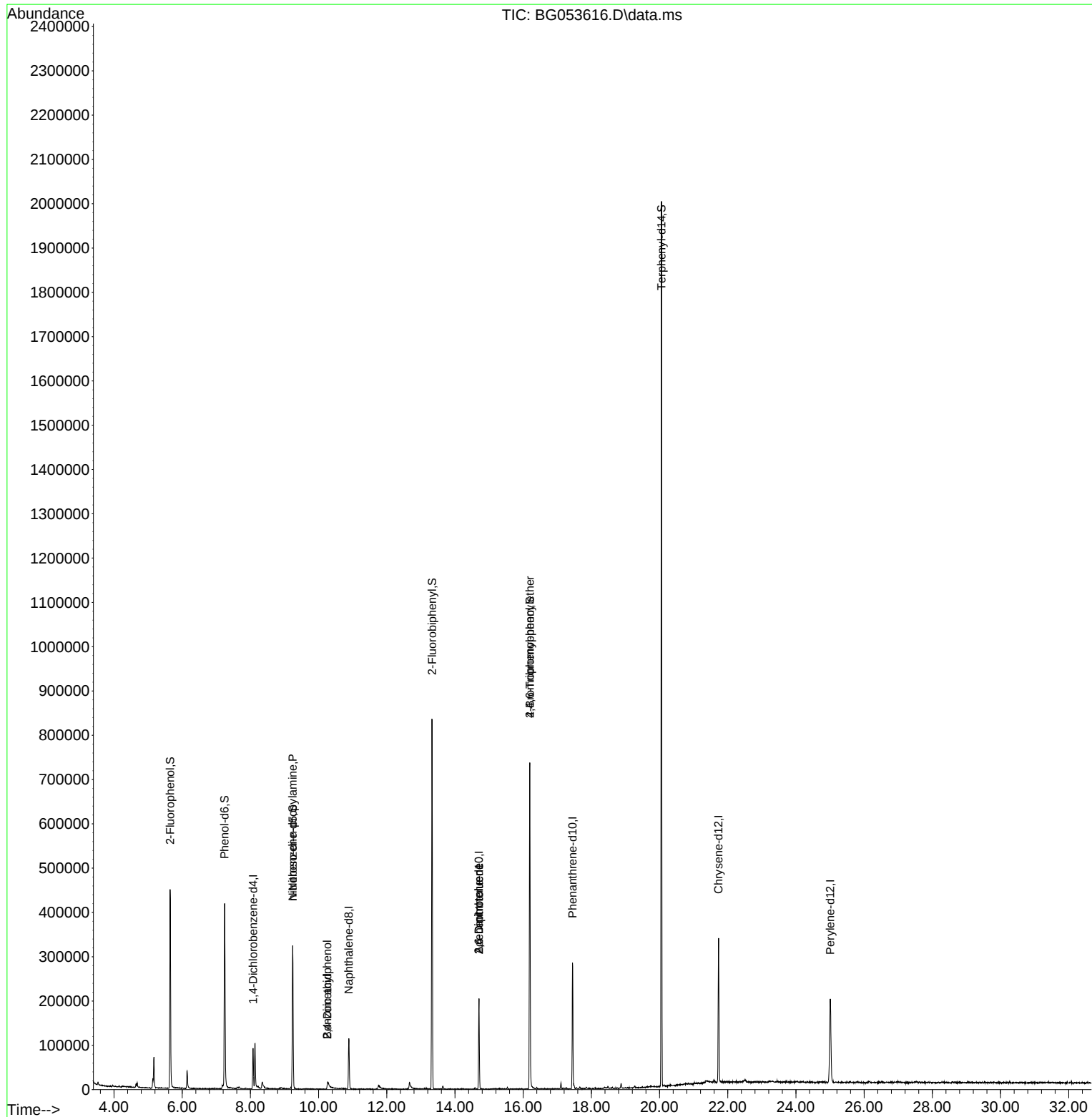
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.078  | 152  | 23721    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 10.886 | 136  | 96226    | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 14.704 | 164  | 75559    | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.448 | 188  | 187603   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 21.730 | 240  | 211721   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 25.008 | 264  | 213656   | 20.000  | ng    | -0.01    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.646  | 112  | 185599   | 132.788 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.244  | 99   | 248655   | 117.222 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.241  | 82   | 208021   | 92.024  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.196 | 330  | 158433   | 142.168 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.330 | 172  | 452747   | 87.559  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.056 | 244  | 1001943  | 88.139  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.241  | 70   | 29188    | 19.178  | ng    | # 80     |
| 27) 2,4-Dimethylphenol        | 10.257 | 122  | 5922     | 4.441   | ng    | # 1      |
| 32) Benzoic acid              | 10.257 | 122  | 5922     | 14.334  | ng    | # 87     |
| 51) 2,6-Dinitrotoluene        | 14.704 | 165  | 9514     | 8.133   | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 14.704 | 165  | 9514     | 5.611   | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 16.196 | 248  | 10550    | 4.815   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

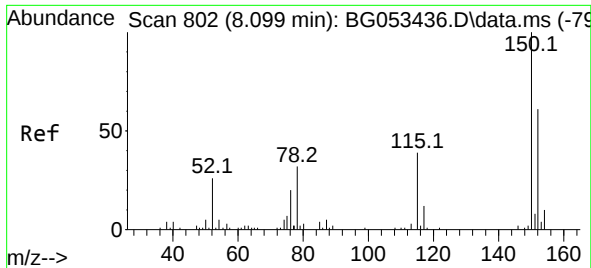
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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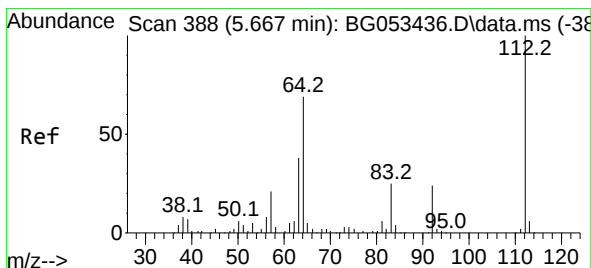
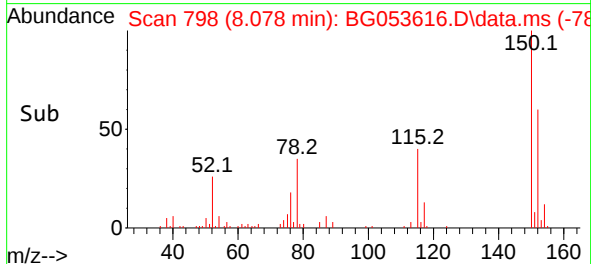
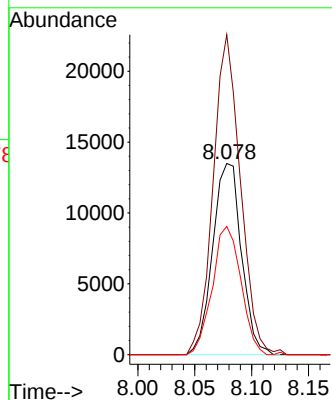
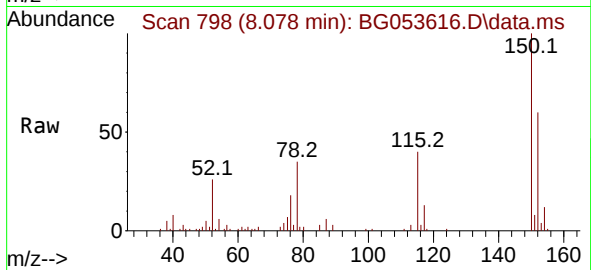




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.078 min Scan# 79  
Delta R.T. -0.011 min  
Lab File: BG053616.D  
Acq: 18 May 2022 23:21

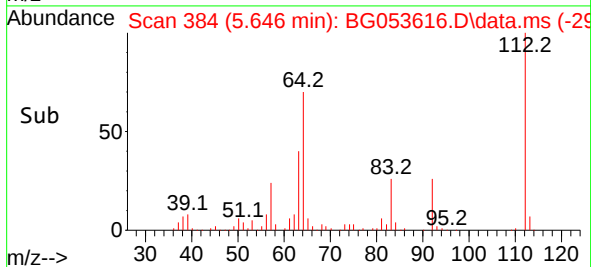
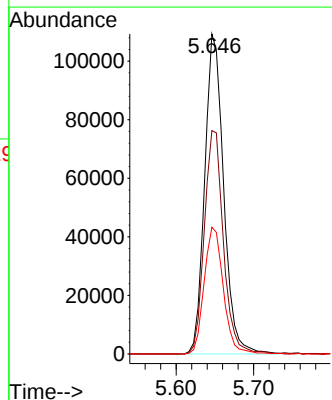
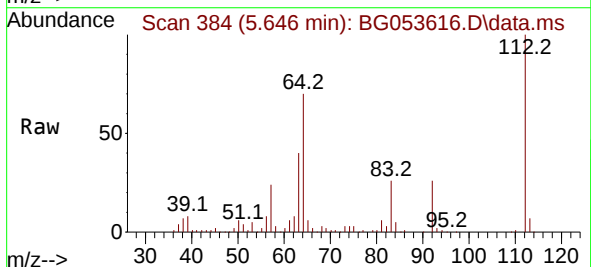
Instrument :  
BNA\_G  
ClientSampleId :  
COM-3

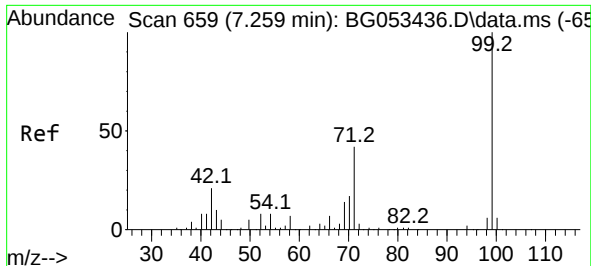
Tgt Ion:152 Resp: 23721  
Ion Ratio Lower Upper  
152 100  
150 167.4 131.6 197.4  
115 67.1 50.9 76.3



#5  
2-Fluorophenol  
Concen: 132.788 ng  
RT: 5.646 min Scan# 384  
Delta R.T. -0.006 min  
Lab File: BG053616.D  
Acq: 18 May 2022 23:21

Tgt Ion:112 Resp: 185599  
Ion Ratio Lower Upper  
112 100  
64 69.8 55.1 82.7  
63 39.6 30.4 45.6

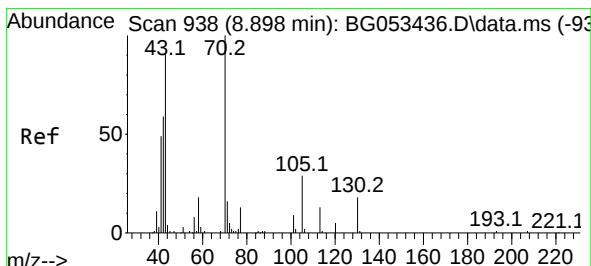
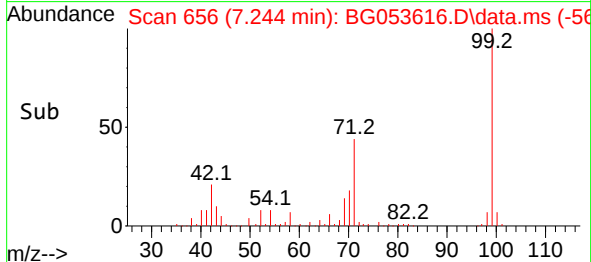
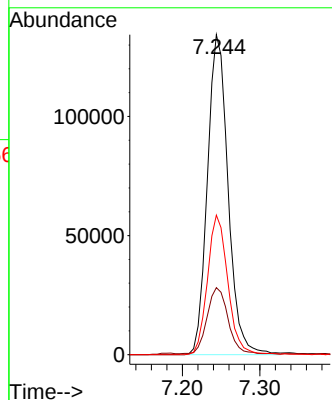
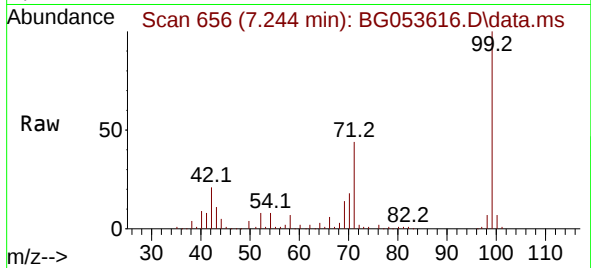




#7  
Phenol-d6  
Concen: 117.222 ng  
RT: 7.244 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BG053616.D  
Acq: 18 May 2022 23:21

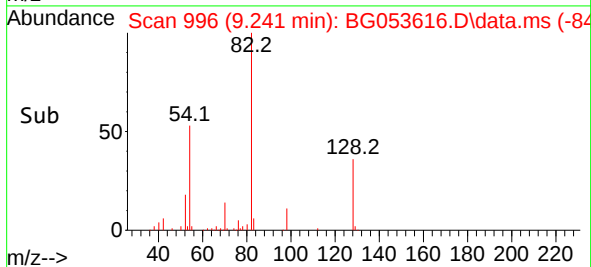
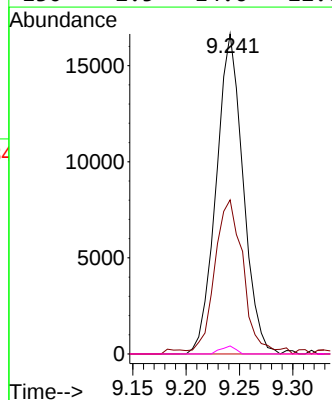
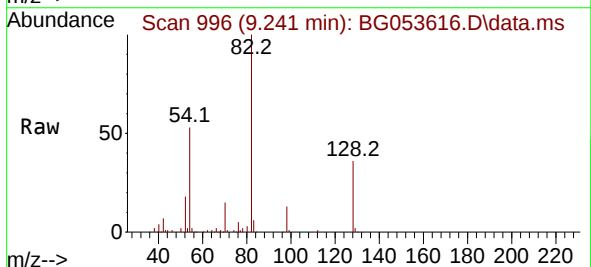
Instrument :  
BNA\_G  
ClientSampleId :  
COM-3

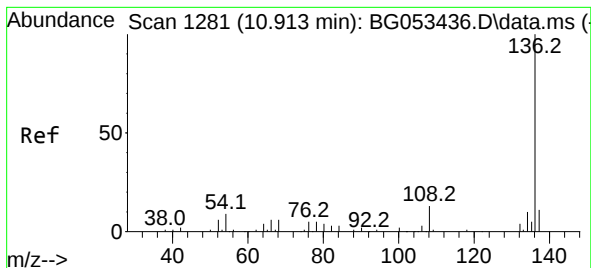
Tgt Ion: 99 Resp: 248655  
Ion Ratio Lower Upper  
99 100  
42 21.0 17.0 25.6  
71 43.6 33.8 50.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.178 ng  
RT: 9.241 min Scan# 996  
Delta R.T. 0.353 min  
Lab File: BG053616.D  
Acq: 18 May 2022 23:21

Tgt Ion: 70 Resp: 29188  
Ion Ratio Lower Upper  
70 100  
42 48.2 47.3 70.9  
101 0.0 7.0 10.4#  
130 2.5 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.886 min Scan# 11

Delta R.T. -0.011 min

Lab File: BG053616.D

Acq: 18 May 2022 23:21

Instrument :

BNA\_G

ClientSampleId :

COM-3

Tgt Ion:136 Resp: 96226

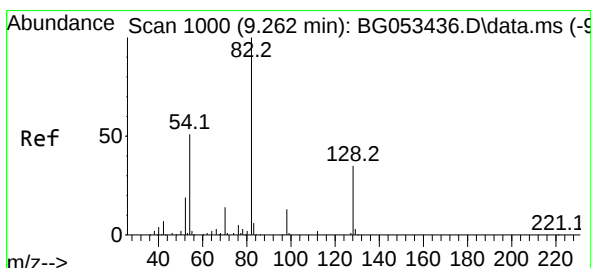
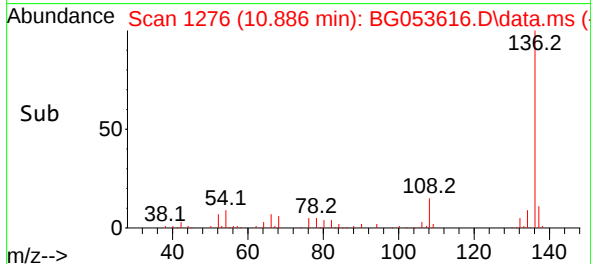
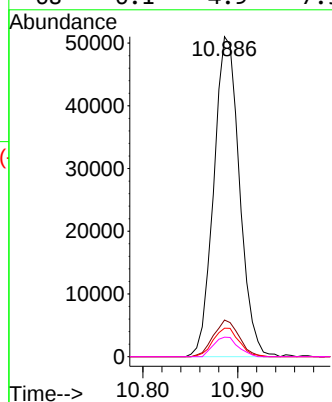
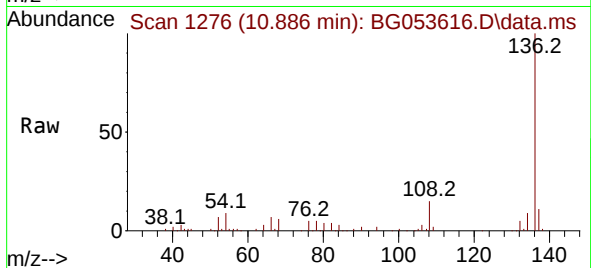
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 8.9 7.4 11.2

68 6.1 4.9 7.3



#23

Nitrobenzene-d5

Concen: 92.024 ng

RT: 9.241 min Scan# 996

Delta R.T. -0.011 min

Lab File: BG053616.D

Acq: 18 May 2022 23:21

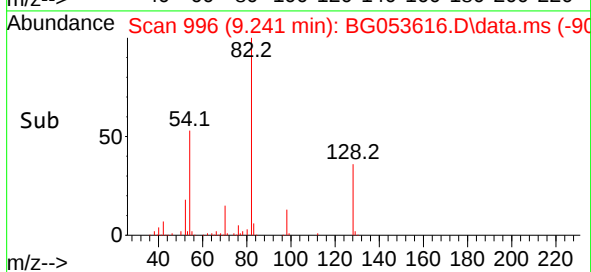
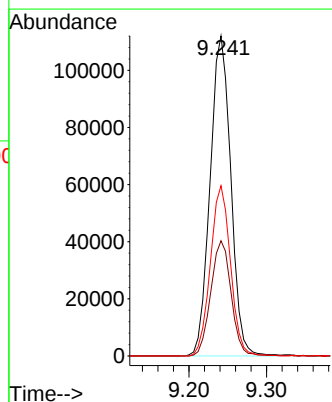
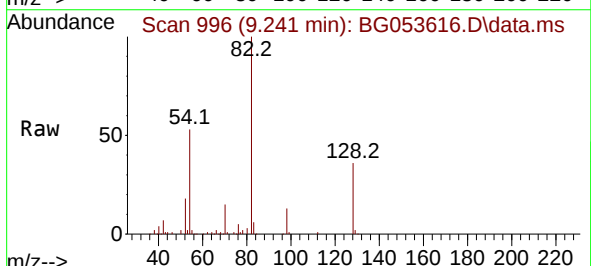
Tgt Ion: 82 Resp: 208021

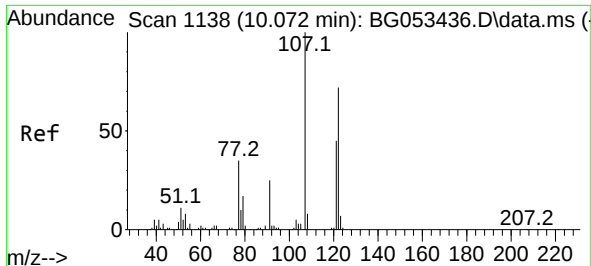
Ion Ratio Lower Upper

82 100

128 36.0 27.9 41.9

54 53.2 41.2 61.8





#27

2,4-Dimethylphenol

Concen: 4.441 ng

RT: 10.257 min Scan# 1169

Delta R.T. 0.194 min

Lab File: BG053616.D

Acq: 18 May 2022 23:21

Instrument :

BNA\_G

ClientSampleId :

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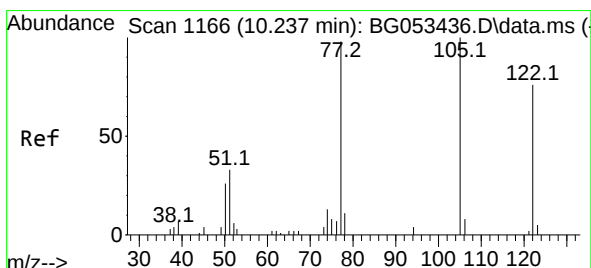
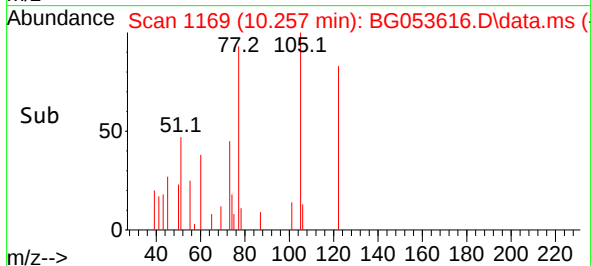
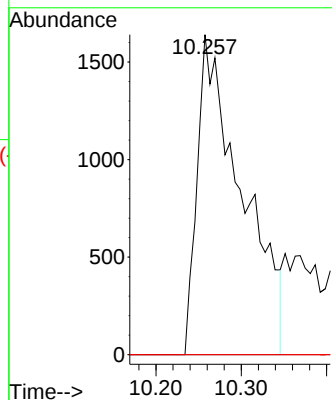
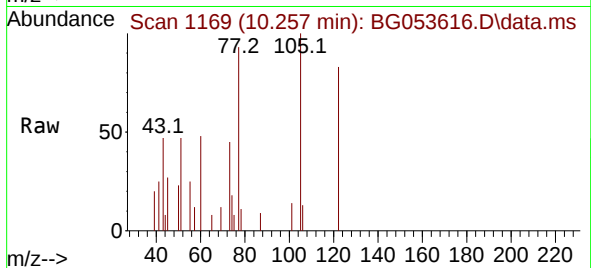
Tgt Ion:122 Resp: 5922

Ion Ratio Lower Upper

122 100

107 0.0 109.4 164.0#

121 0.0 48.7 73.1#



#32

Benzoic acid

Concen: 14.334 ng

RT: 10.257 min Scan# 1169

Delta R.T. 0.018 min

Lab File: BG053616.D

Acq: 18 May 2022 23:21

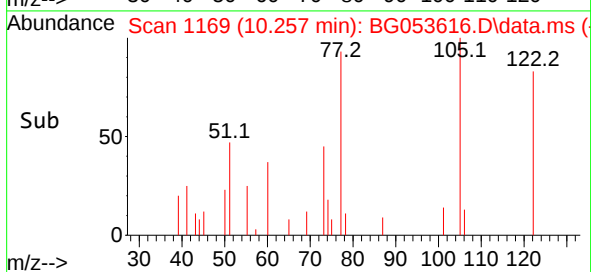
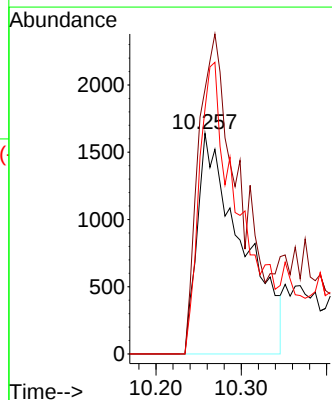
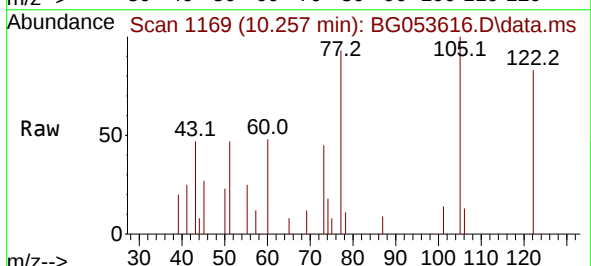
Tgt Ion:122 Resp: 5922

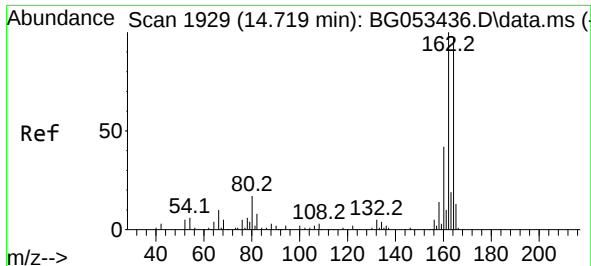
Ion Ratio Lower Upper

122 100

105 120.0 111.8 151.8

77 111.0 109.4 149.4

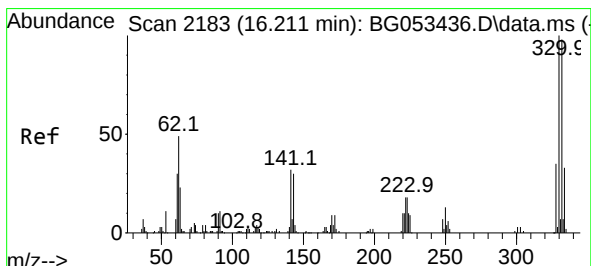
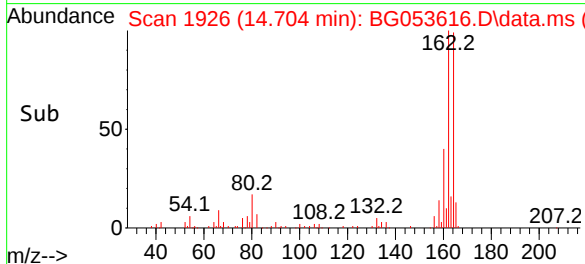
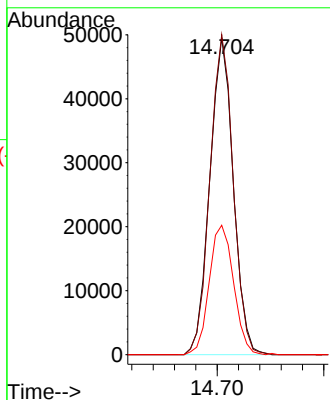
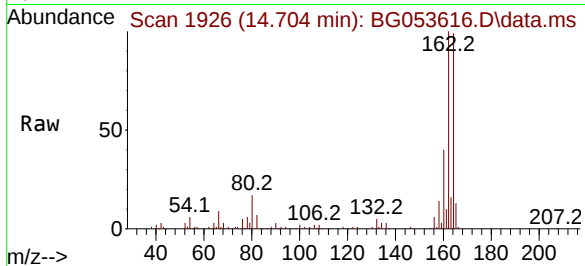




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.704 min Scan# 1929  
Delta R.T. -0.011 min  
Lab File: BG053616.D  
Acq: 18 May 2022 23:21

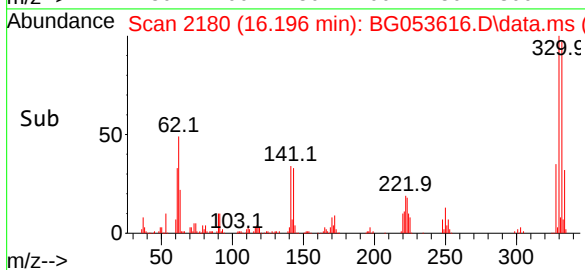
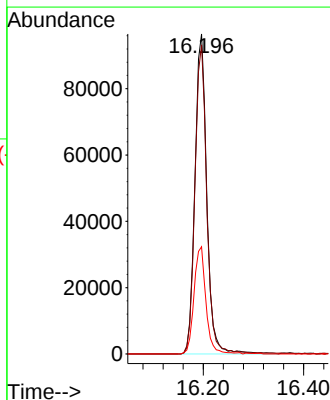
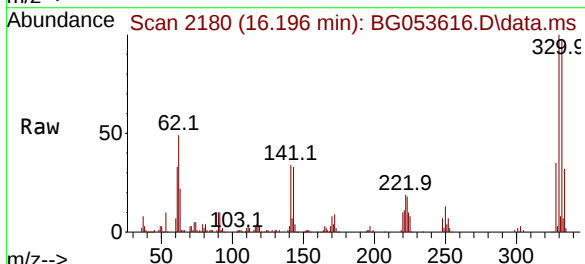
Instrument :  
BNA\_G  
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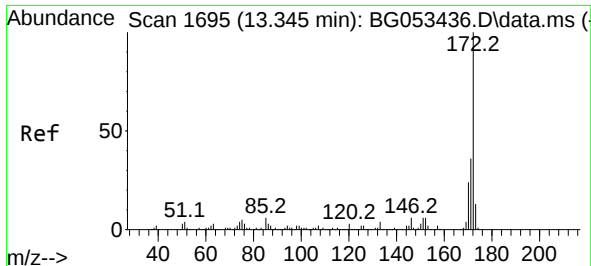
Tgt Ion:164 Resp: 75559  
Ion Ratio Lower Upper  
164 100  
162 101.1 82.3 123.5  
160 40.9 34.2 51.2



#42  
2,4,6-Tribromophenol  
Concen: 142.168 ng  
RT: 16.196 min Scan# 2180  
Delta R.T. -0.006 min  
Lab File: BG053616.D  
Acq: 18 May 2022 23:21

Tgt Ion:330 Resp: 158433  
Ion Ratio Lower Upper  
330 100  
332 96.0 76.0 114.0  
141 33.7 27.1 40.7

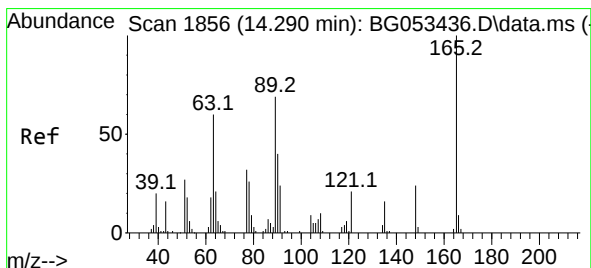
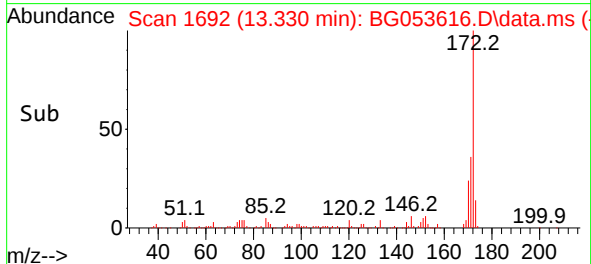
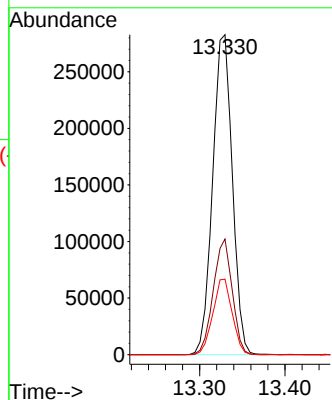
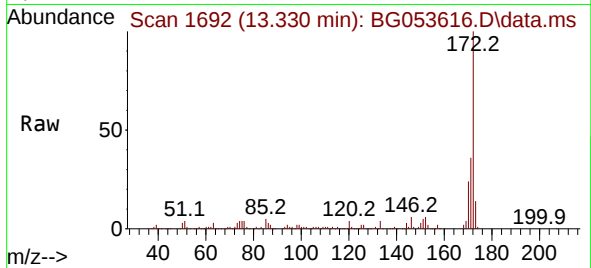




#45  
2-Fluorobiphenyl  
Concen: 87.559 ng  
RT: 13.330 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BG053616.D  
Acq: 18 May 2022 23:21

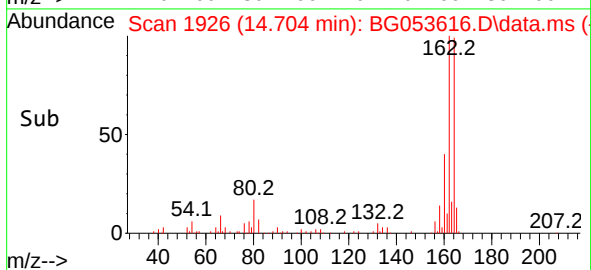
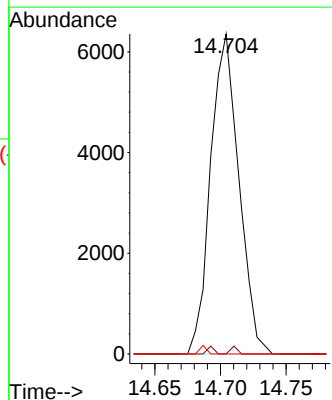
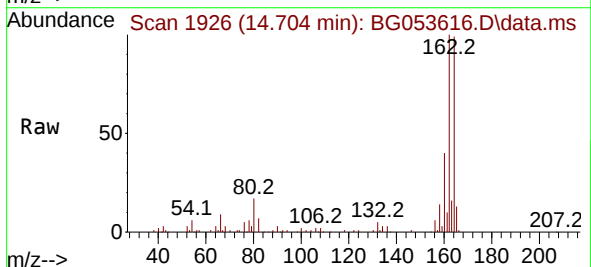
Instrument :  
BNA\_G  
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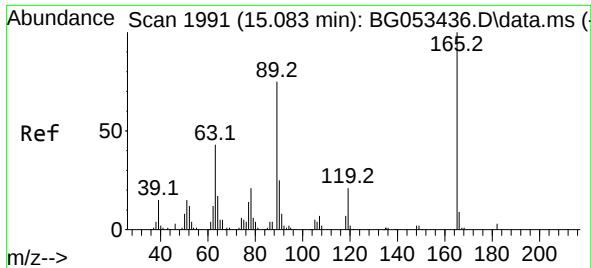
Tgt Ion:172 Resp: 452747  
Ion Ratio Lower Upper  
172 100  
171 36.2 28.5 42.7  
170 23.6 18.9 28.3



#51  
2,6-Dinitrotoluene  
Concen: 8.133 ng  
RT: 14.704 min Scan# 1926  
Delta R.T. 0.423 min  
Lab File: BG053616.D  
Acq: 18 May 2022 23:21

Tgt Ion:165 Resp: 9514  
Ion Ratio Lower Upper  
165 100  
63 0.0 54.1 81.1#  
89 0.0 54.8 82.2#

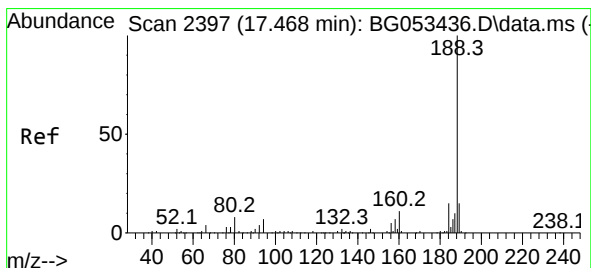
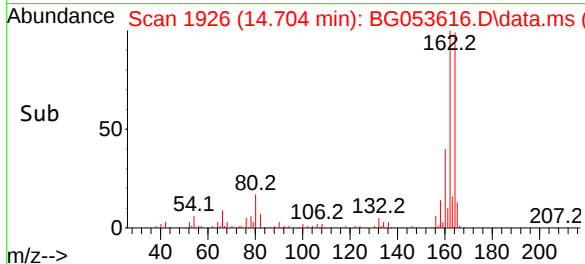
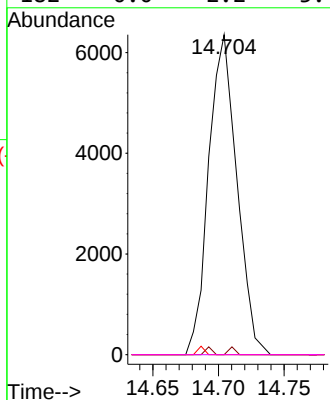
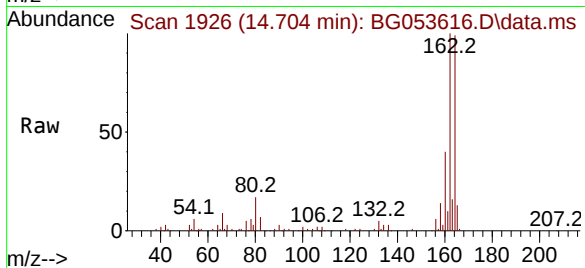




#57  
2,4-Dinitrotoluene  
Concen: 5.611 ng  
RT: 14.704 min Scan# 1926  
Delta R.T. -0.370 min  
Lab File: BG053616.D  
Acq: 18 May 2022 23:21

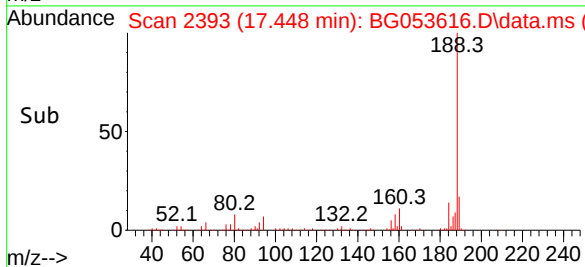
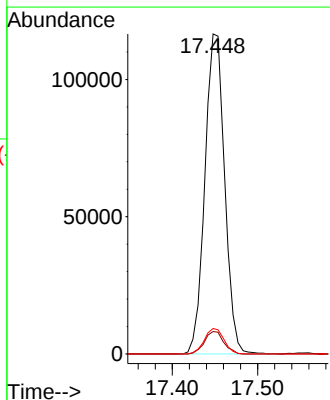
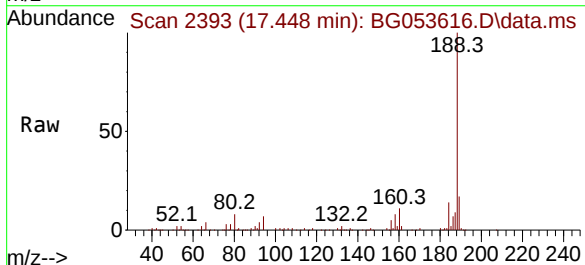
Instrument :  
BNA\_G  
ClientSampleId :  
COM-3

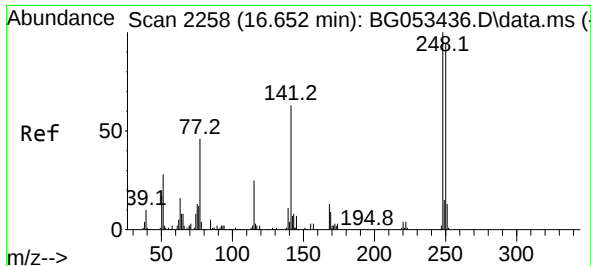
Tgt Ion:165 Resp: 9514  
Ion Ratio Lower Upper  
165 100  
63 0.0 34.6 52.0#  
89 0.0 60.3 90.5#  
182 0.0 2.2 3.4#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.448 min Scan# 2393  
Delta R.T. -0.011 min  
Lab File: BG053616.D  
Acq: 18 May 2022 23:21

Tgt Ion:188 Resp: 187603  
Ion Ratio Lower Upper  
188 100  
94 7.0 5.4 8.0  
80 7.9 6.8 10.2

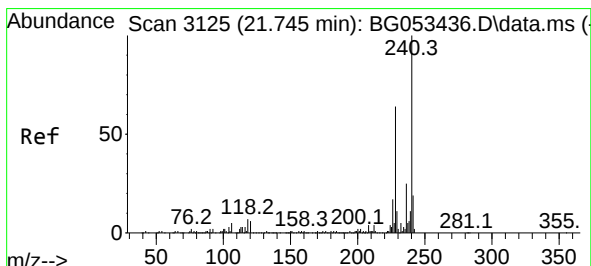
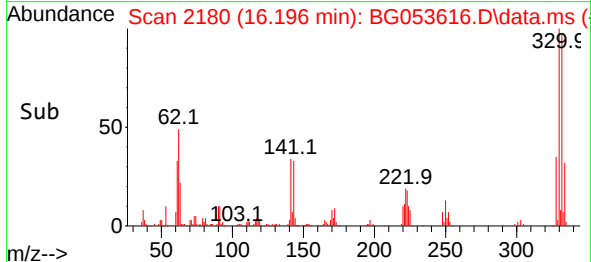
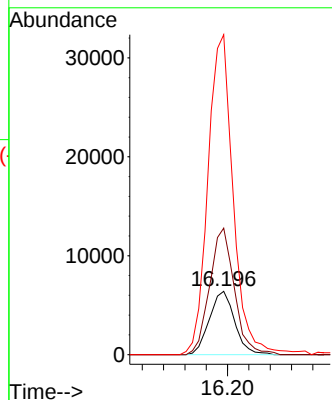
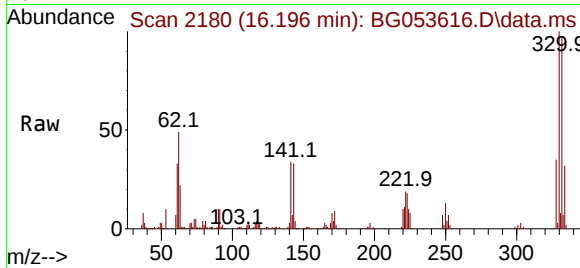




#67  
4-Bromophenyl-phenylether  
Concen: 4.815 ng  
RT: 16.196 min Scan# 211  
Delta R.T. -0.446 min  
Lab File: BG053616.D  
Acq: 18 May 2022 23:21

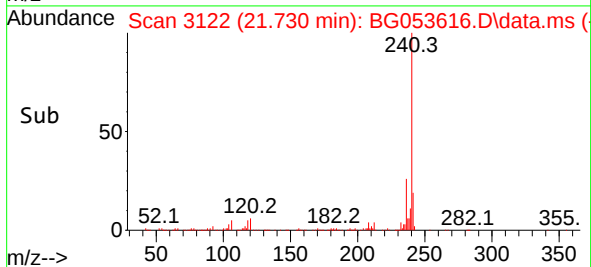
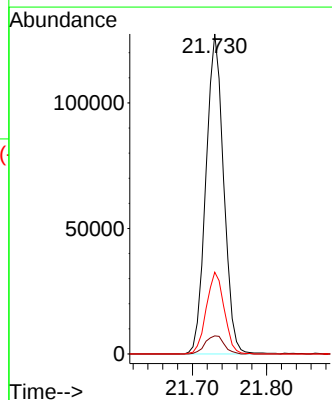
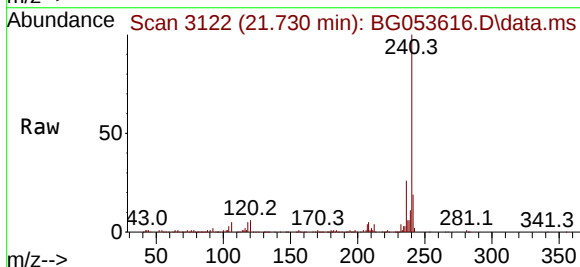
Instrument :  
BNA\_G  
ClientSampleId :  
COM-3

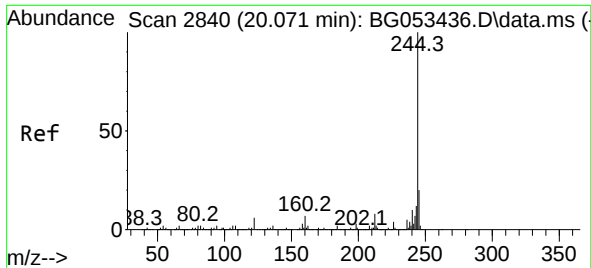
Tgt Ion:248 Resp: 10550  
Ion Ratio Lower Upper  
248 100  
250 199.6 75.2 112.8#  
141 504.9 50.0 75.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.730 min Scan# 3122  
Delta R.T. -0.011 min  
Lab File: BG053616.D  
Acq: 18 May 2022 23:21

Tgt Ion:240 Resp: 211721  
Ion Ratio Lower Upper  
240 100  
120 5.7 4.6 7.0  
236 25.5 20.2 30.4

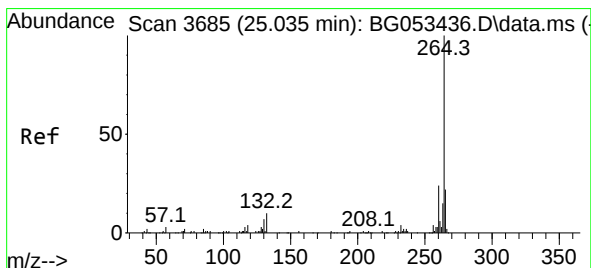
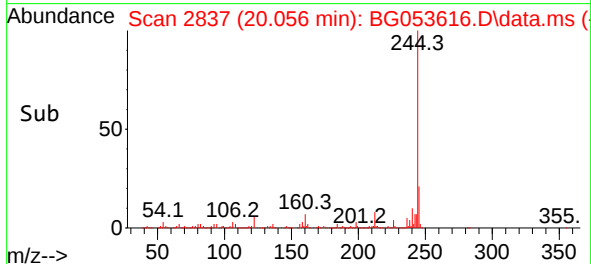
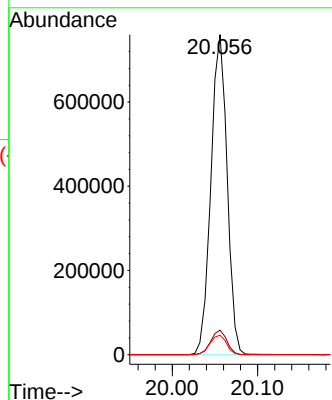
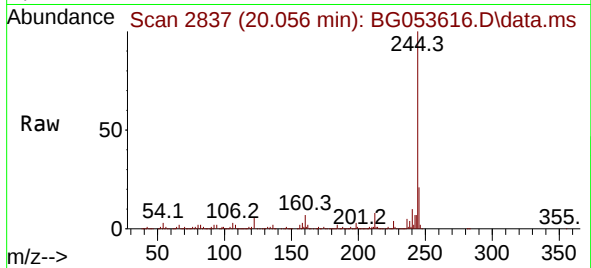




#79  
 Terphenyl-d14  
 Concen: 88.139 ng  
 RT: 20.056 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BG053616.D  
 Acq: 18 May 2022 23:21

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COM-3

Tgt Ion:244 Resp: 1001943  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.5 9.7  
 122 6.1 5.0 7.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.008 min Scan# 3680  
 Delta R.T. -0.011 min  
 Lab File: BG053616.D  
 Acq: 18 May 2022 23:21

Tgt Ion:264 Resp: 213656  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 19.0 28.6  
 265 22.6 17.4 26.2

