

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG022122\  
 Data File : BG052436.D  
 Acq On : 21 Feb 2022 14:15  
 Operator : CG/JU  
 Sample : N1600-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0AA0

Quant Time: Feb 21 14:57:04 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

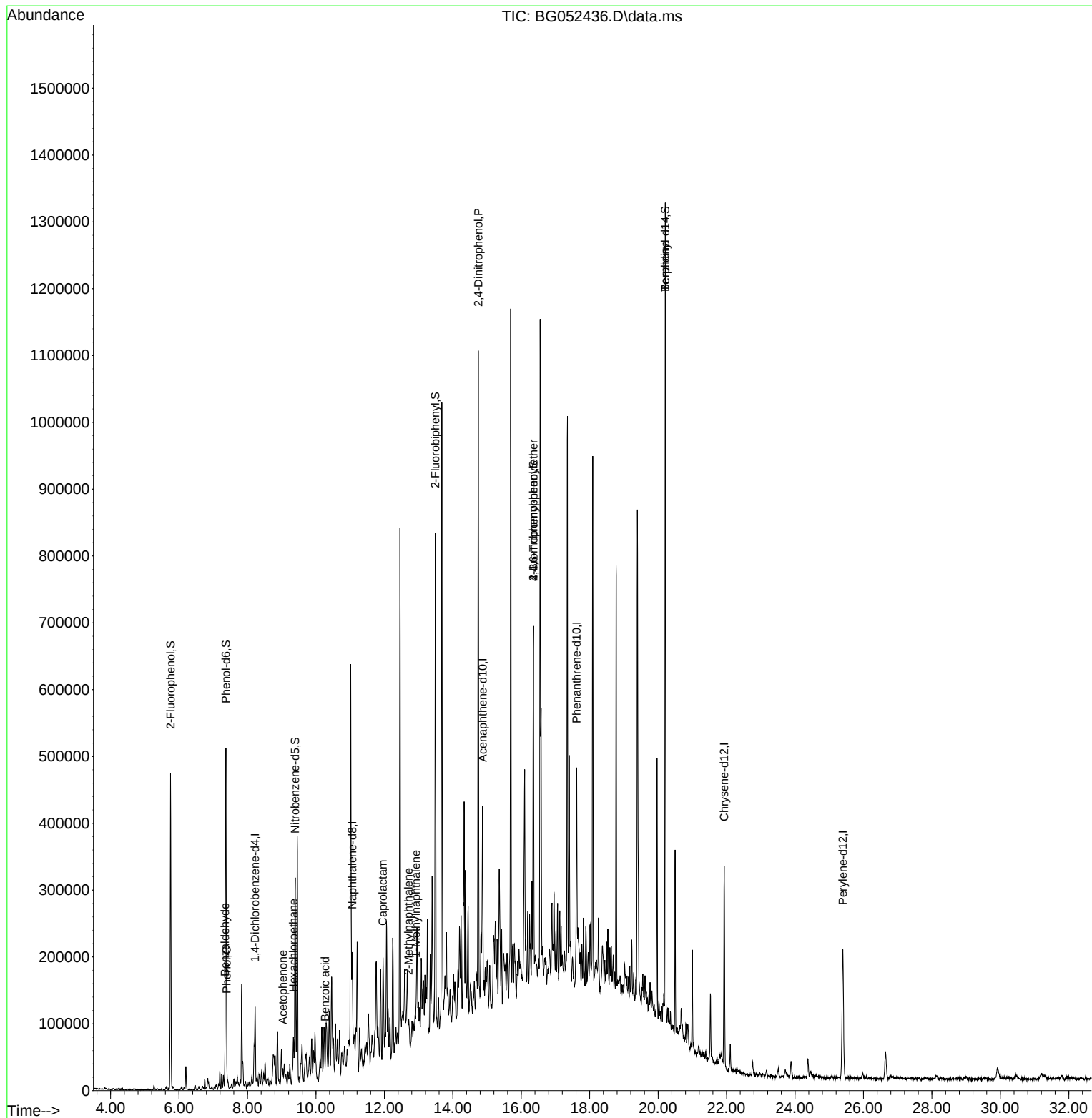
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.221  | 152  | 33713    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.064 | 136  | 132554   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.870 | 164  | 86038    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.620 | 188  | 193516   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.931 | 240  | 201872   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.397 | 264  | 224927   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.753  | 112  | 197316   | 102.006 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.369  | 99   | 275452   | 92.291  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.395  | 82   | 190607   | 62.495  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.357 | 330  | 115310   | 93.287  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.490 | 172  | 386506   | 62.422  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.210 | 244  | 624771   | 54.651  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 9) Benzaldehyde               | 7.345  | 77   | 13156    | 5.879   | ng    | # 77     |
| 10) Phenol                    | 7.392  | 94   | 9859     | 3.325   | ng    | 91       |
| 18) Hexachloroethane          | 9.343  | 117  | 4548     | 5.292   | ng    | # 1      |
| 22) Acetophenone              | 9.037  | 105  | 13320    | 3.802   | ng    | # 53     |
| 32) Benzoic acid              | 10.271 | 122  | 146      | 6.086   | ng    | # 21     |
| 35) Caprolactam               | 11.957 | 113  | 1891     | 2.384   | ng    | # 1      |
| 37) 2-Methylnaphthalene       | 12.709 | 142  | 17862    | 3.461   | ng    | 94       |
| 38) 1-Methylnaphthalene       | 12.926 | 142  | 12163    | 2.432   | ng    | # 93     |
| 54) 2,4-Dinitrophenol         | 14.747 | 184  | 64       | 4.970   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 16.357 | 248  | 7049     | 2.995   | ng    | # 1      |
| 77) Benzidine                 | 20.210 | 184  | 9759     | 2.262   | ng    | 99       |
| -----                         |        |      |          |         |       |          |

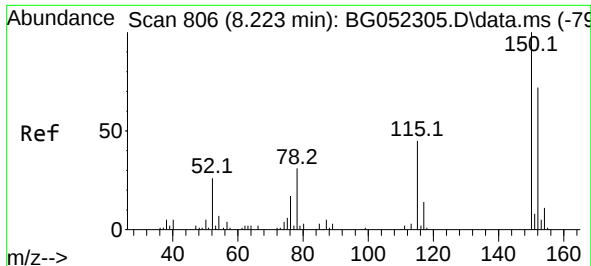
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Feb 08 01:21:20 2022  
Response via : Initial Calibration

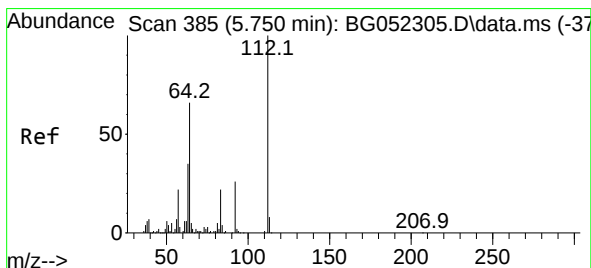
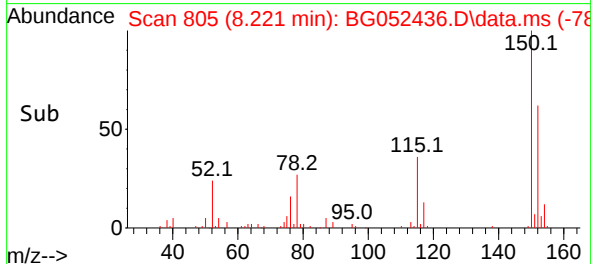
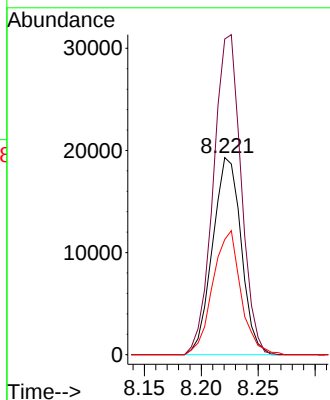
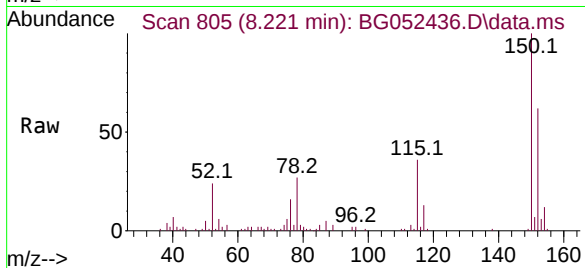




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.221 min Scan# 806  
Delta R.T. -0.002 min  
Lab File: BG052436.D  
Acq: 21 Feb 2022 14:15

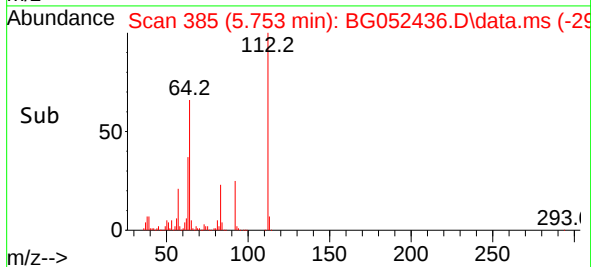
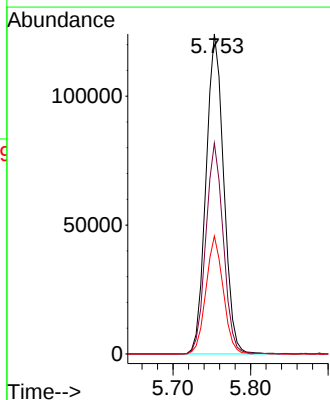
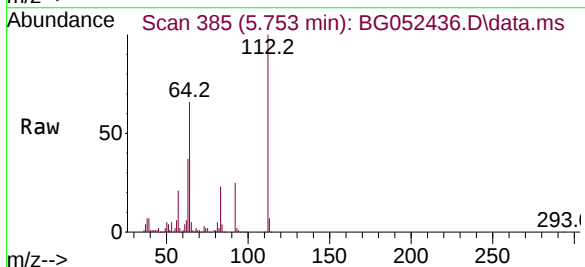
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BNA\_G  
ClientSampleId :  
C0AA0

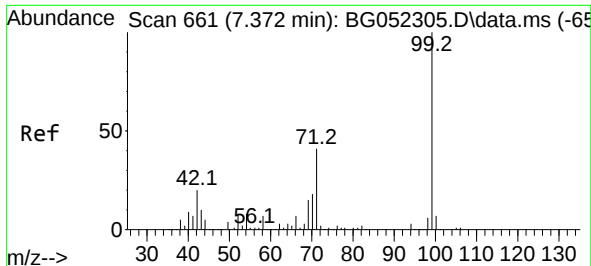
Tgt Ion:152 Resp: 33713  
Ion Ratio Lower Upper  
152 100  
150 160.2 117.8 176.8  
115 58.5 50.2 75.2



#5  
2-Fluorophenol  
Concen: 102.006 ng  
RT: 5.753 min Scan# 385  
Delta R.T. 0.003 min  
Lab File: BG052436.D  
Acq: 21 Feb 2022 14:15

Tgt Ion:112 Resp: 197316  
Ion Ratio Lower Upper  
112 100  
64 65.9 60.4 90.6  
63 36.8 33.3 49.9

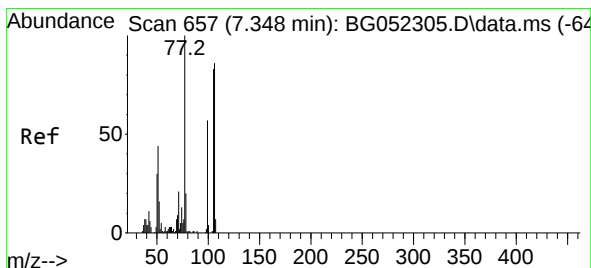
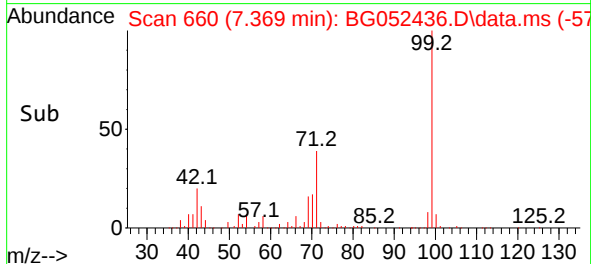
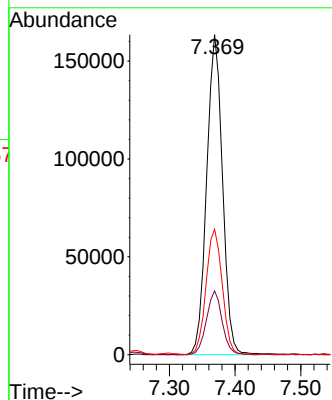
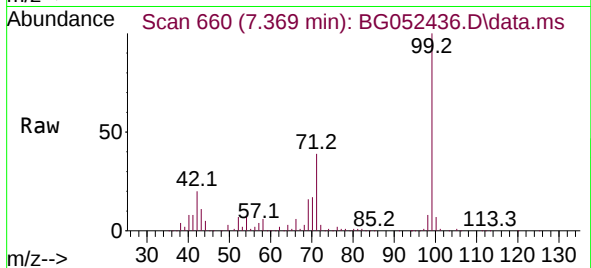




#7  
Phenol-d6  
Concen: 92.291 ng  
RT: 7.369 min Scan# 60  
Delta R.T. -0.003 min  
Lab File: BG052436.D  
Acq: 21 Feb 2022 14:15

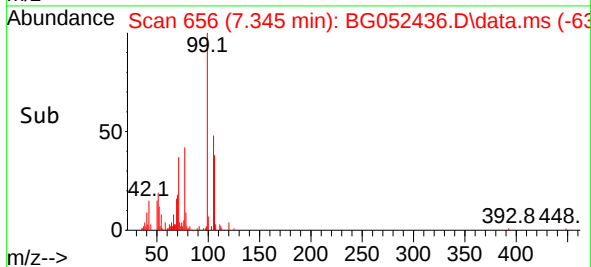
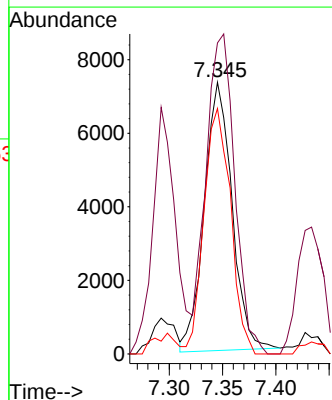
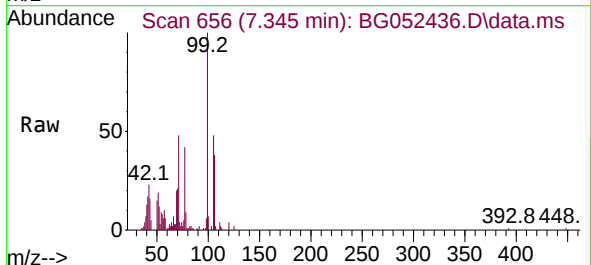
Instrument :  
BNA\_G  
ClientSampleId :  
C0AA0

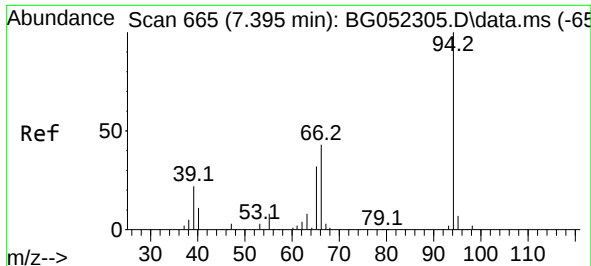
Tgt Ion: 99 Resp: 275452  
Ion Ratio Lower Upper  
99 100  
42 20.0 19.1 28.7  
71 39.2 33.4 50.2



#9  
Benzaldehyde  
Concen: 5.879 ng  
RT: 7.345 min Scan# 656  
Delta R.T. -0.003 min  
Lab File: BG052436.D  
Acq: 21 Feb 2022 14:15

Tgt Ion: 77 Resp: 13156  
Ion Ratio Lower Upper  
77 100  
105 114.5 66.1 106.1#  
106 90.3 58.1 98.1

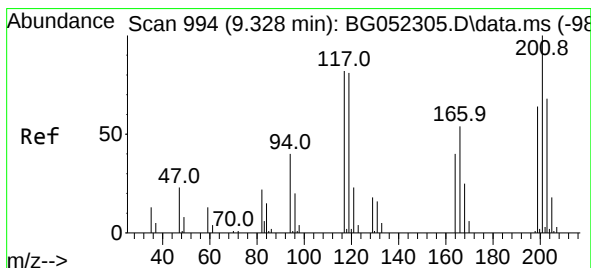
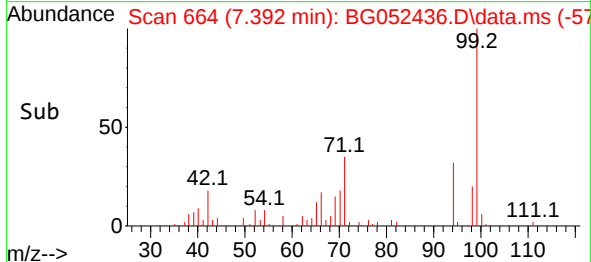
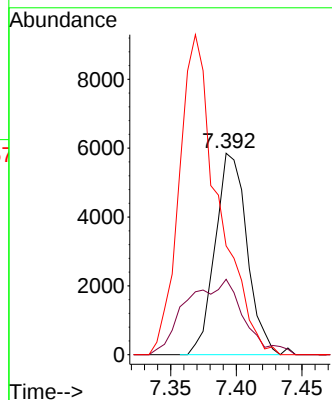
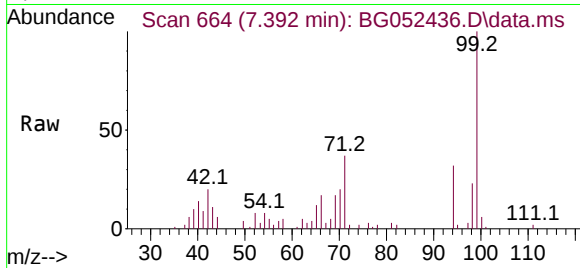




#10  
Phenol  
Concen: 3.325 ng  
RT: 7.392 min Scan# 60  
Delta R.T. -0.003 min  
Lab File: BG052436.D  
Acq: 21 Feb 2022 14:15

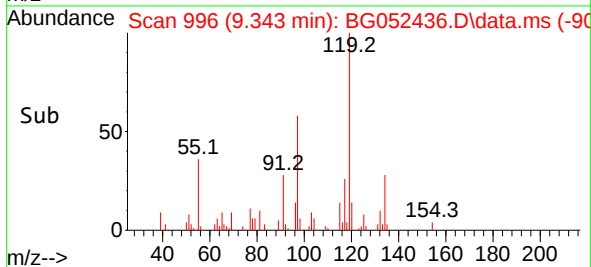
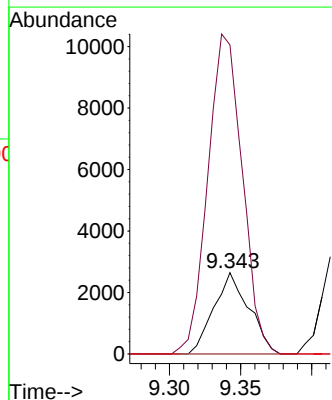
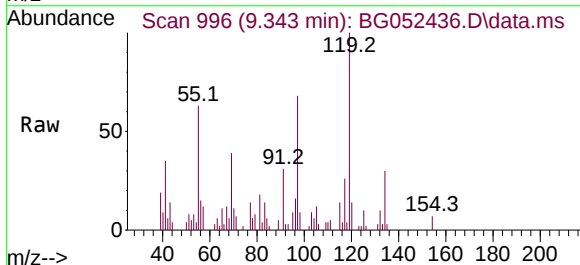
Instrument :  
BNA\_G  
ClientSampleId :  
C0AA0

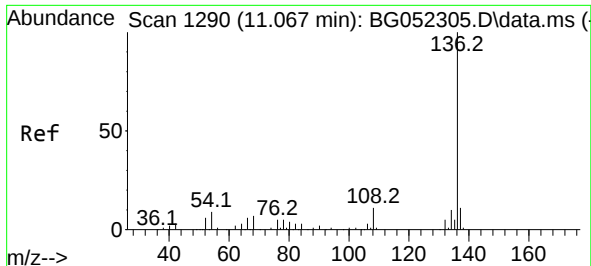
Tgt Ion: 94 Resp: 9859  
Ion Ratio Lower Upper  
94 100  
65 37.4 14.1 54.1  
66 54.0 26.6 66.6



#18  
Hexachloroethane  
Concen: 5.292 ng  
RT: 9.343 min Scan# 996  
Delta R.T. 0.015 min  
Lab File: BG052436.D  
Acq: 21 Feb 2022 14:15

Tgt Ion: 117 Resp: 4548  
Ion Ratio Lower Upper  
117 100  
119 380.5 73.5 110.3#  
201 0.0 91.0 136.6#

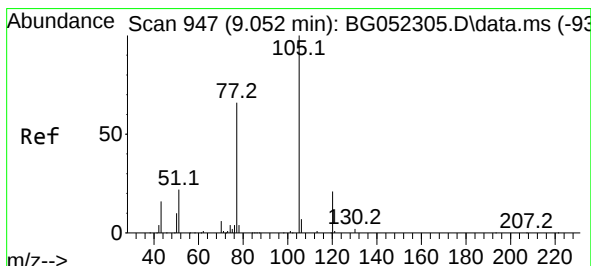
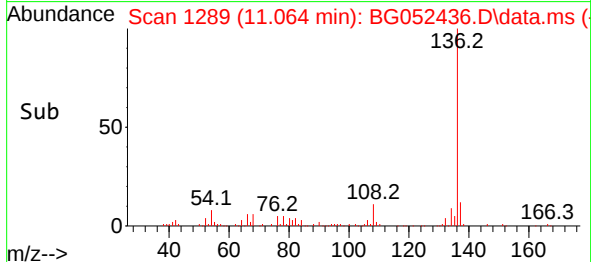
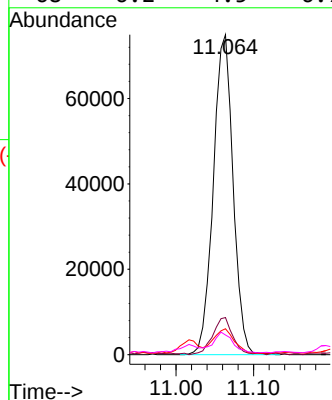
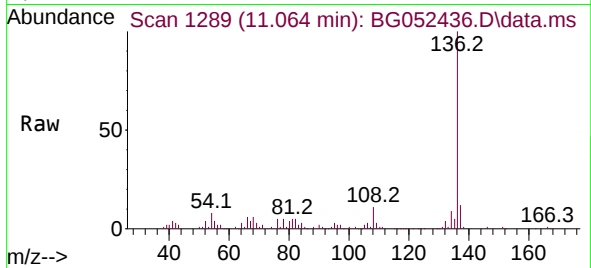




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.064 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: BG052436.D  
Acq: 21 Feb 2022 14:15

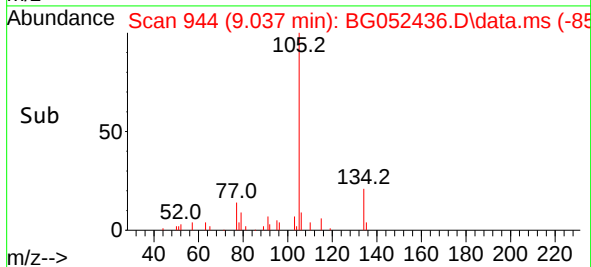
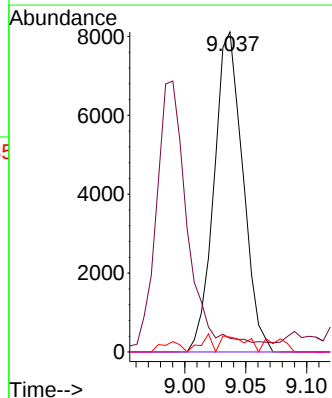
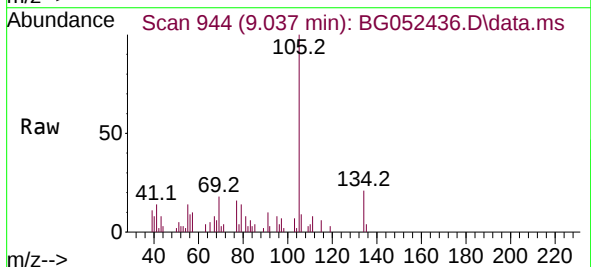
Instrument :  
BNA\_G  
ClientSampleId :  
C0AA0

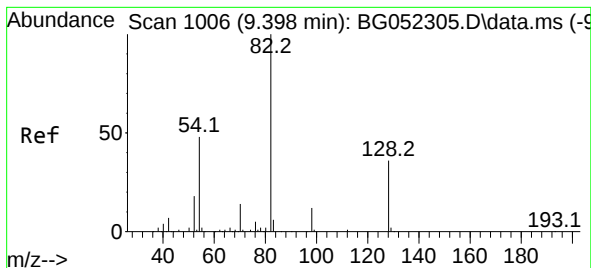
Tgt Ion:136 Resp: 132554  
Ion Ratio Lower Upper  
136 100  
137 11.6 9.1 13.7  
54 8.1 8.3 12.5#  
68 6.2 4.5 6.7



#22  
Acetophenone  
Concen: 3.802 ng  
RT: 9.037 min Scan# 944  
Delta R.T. -0.015 min  
Lab File: BG052436.D  
Acq: 21 Feb 2022 14:15

Tgt Ion:105 Resp: 13320  
Ion Ratio Lower Upper  
105 100  
71 4.3 1.8 2.6#  
51 4.7 27.0 40.4#  
120 0.0 16.2 24.4#





#23

Nitrobenzene-d5

Concen: 62.495 ng

RT: 9.395 min Scan# 1105

Delta R.T. -0.003 min

Lab File: BG052436.D

Acq: 21 Feb 2022 14:15

Instrument :

BNA\_G

ClientSampleId :

C0AA0

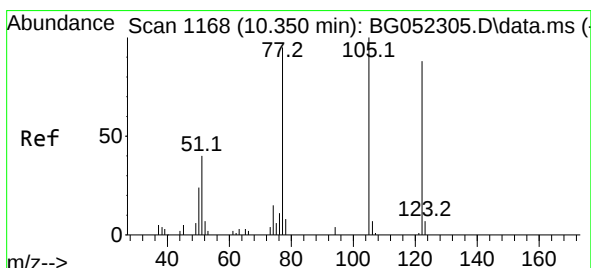
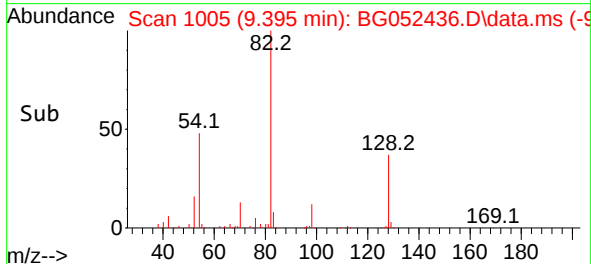
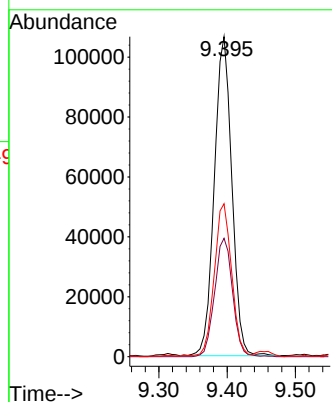
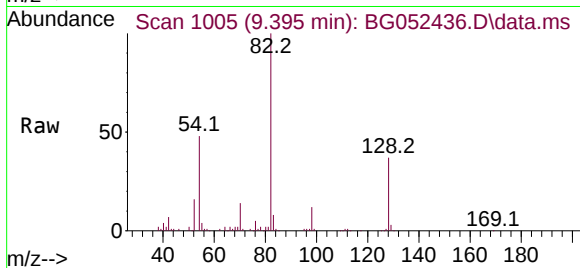
Tgt Ion: 82 Resp: 190607

Ion Ratio Lower Upper

82 100

128 37.0 27.0 40.4

54 47.8 41.0 61.6



#32

Benzoic acid

Concen: 6.086 ng

RT: 10.271 min Scan# 1154

Delta R.T. -0.079 min

Lab File: BG052436.D

Acq: 21 Feb 2022 14:15

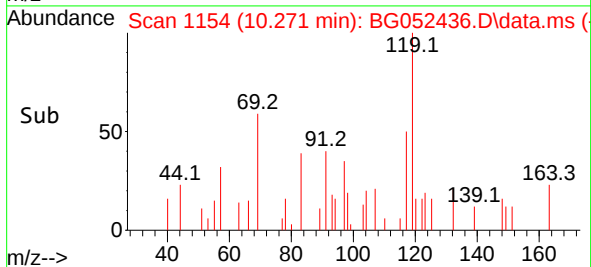
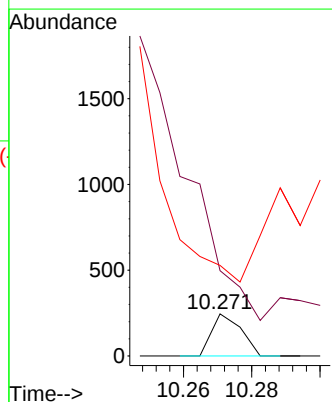
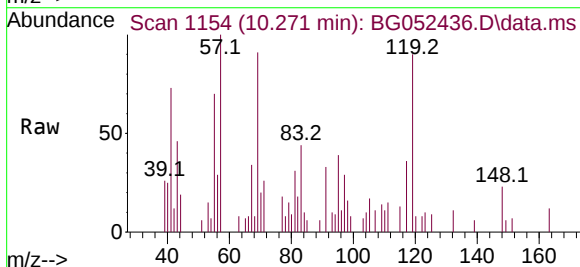
Tgt Ion:122 Resp: 146

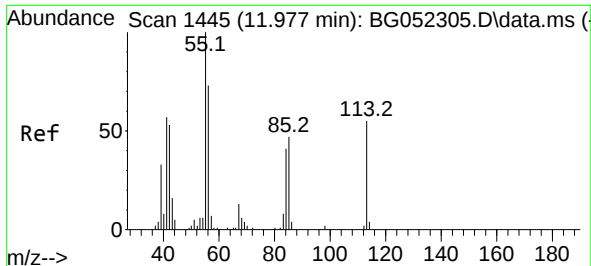
Ion Ratio Lower Upper

122 100

105 202.9 109.2 149.2#

77 215.5 92.8 132.8#

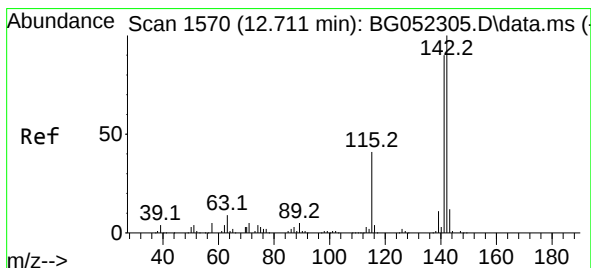
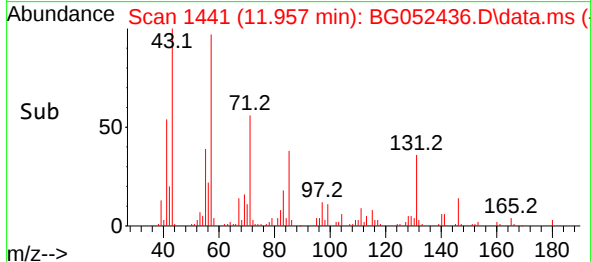
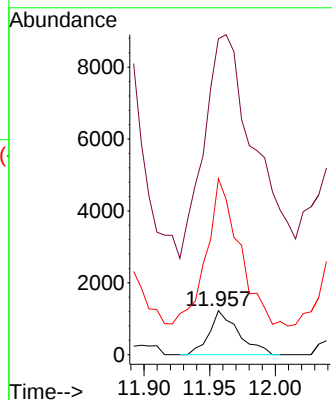
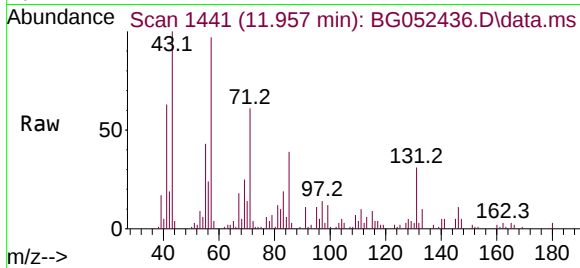




#35  
 Caprolactam  
 Concen: 2.384 ng  
 RT: 11.957 min Scan# 1445  
 Delta R.T. -0.020 min  
 Lab File: BG052436.D  
 Acq: 21 Feb 2022 14:15

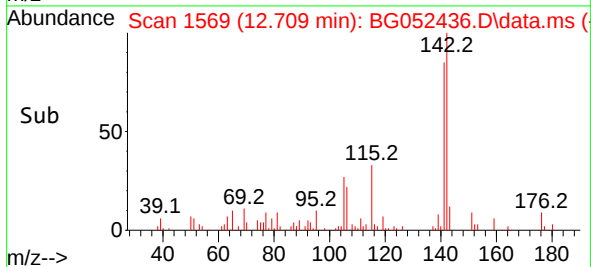
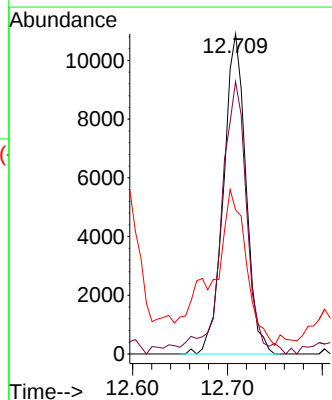
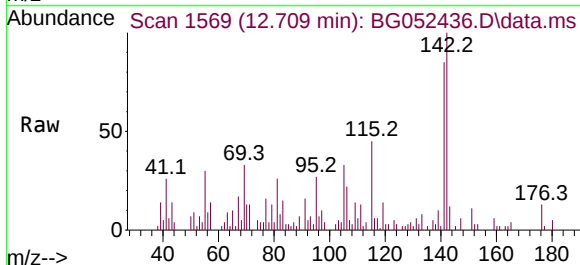
Instrument :  
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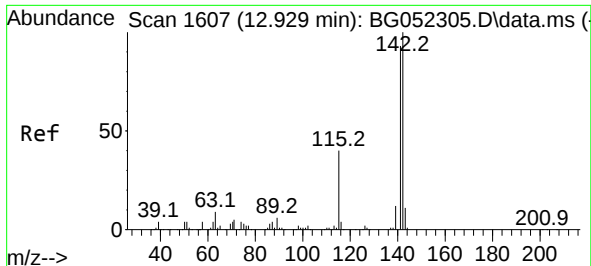
Tgt Ion:113 Resp: 1891  
 Ion Ratio Lower Upper  
 113 100  
 55 717.6 161.4 201.4#  
 56 399.9 132.6 172.6#



#37  
 2-Methylnaphthalene  
 Concen: 3.461 ng  
 RT: 12.709 min Scan# 1569  
 Delta R.T. -0.003 min  
 Lab File: BG052436.D  
 Acq: 21 Feb 2022 14:15

Tgt Ion:142 Resp: 17862  
 Ion Ratio Lower Upper  
 142 100  
 141 85.1 71.7 107.5  
 115 45.0 32.2 48.4

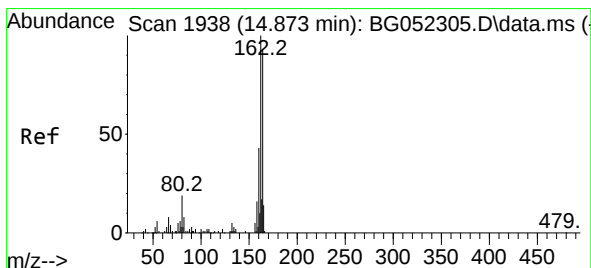
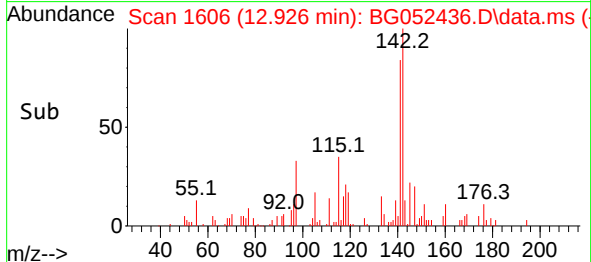
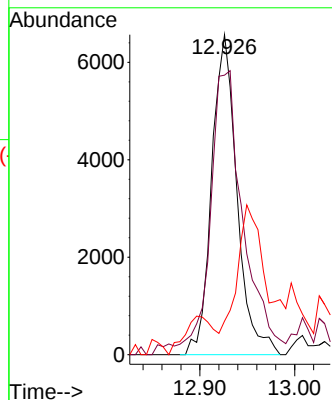
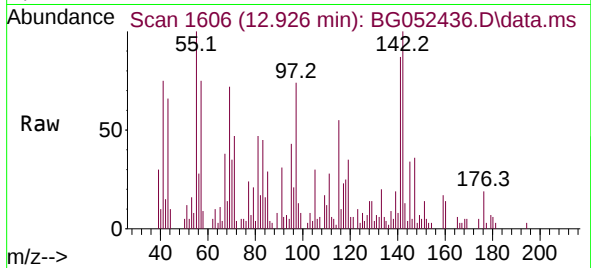




#38  
1-Methylnaphthalene  
Concen: 2.432 ng  
RT: 12.926 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: BG052436.D  
Acq: 21 Feb 2022 14:15

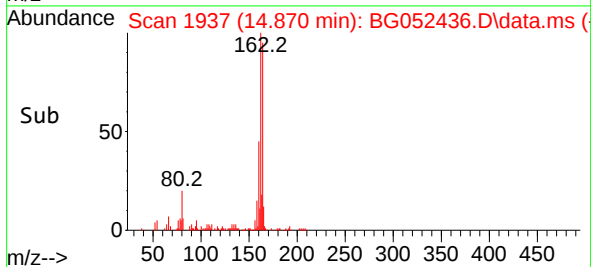
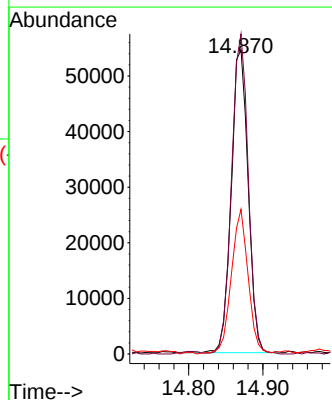
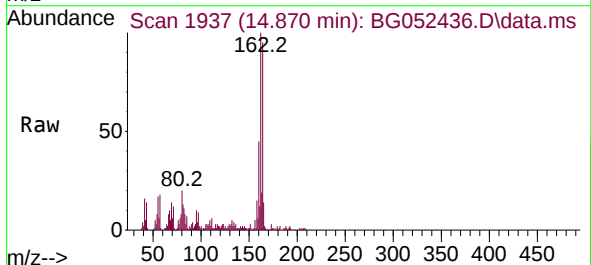
Instrument :  
BNA\_G  
ClientSampleId :  
C0AA0

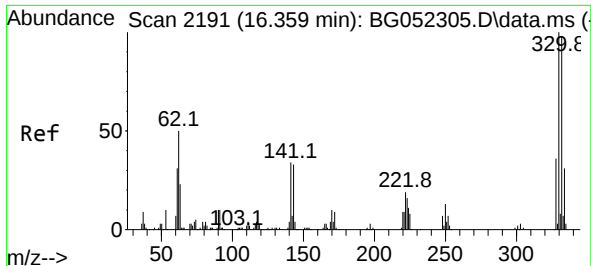
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Ion Ratio Lower Upper  
142 100  
141 87.3 75.0 112.4  
116 10.5 4.2 6.4#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.870 min Scan# 1937  
Delta R.T. -0.003 min  
Lab File: BG052436.D  
Acq: 21 Feb 2022 14:15

Tgt Ion:164 Resp: 86038  
Ion Ratio Lower Upper  
164 100  
162 105.2 82.2 123.2  
160 47.5 36.2 54.2

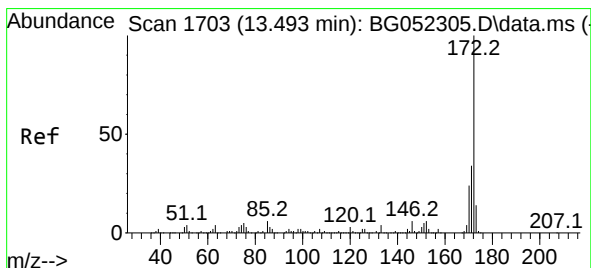
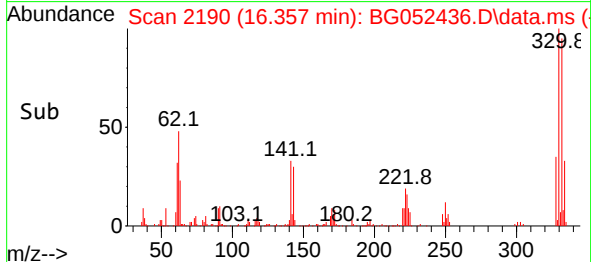
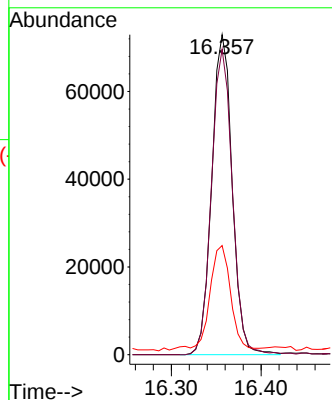
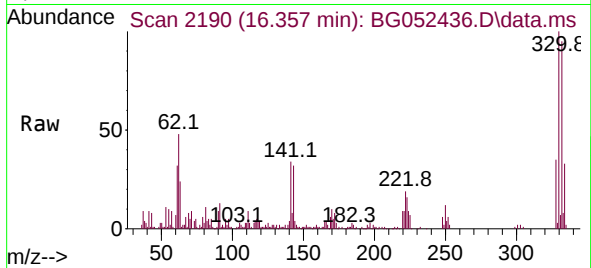




#42  
2,4,6-Tribromophenol  
Concen: 93.287 ng  
RT: 16.357 min Scan# 2191  
Delta R.T. -0.002 min  
Lab File: BG052436.D  
Acq: 21 Feb 2022 14:15

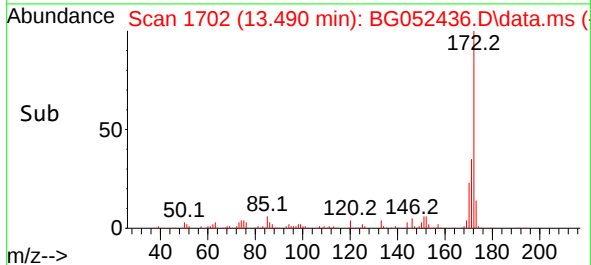
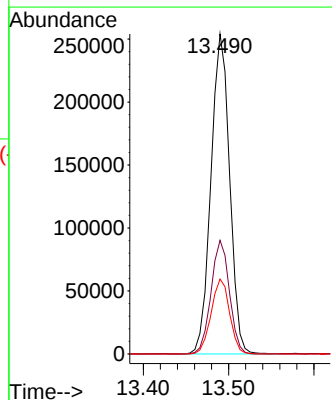
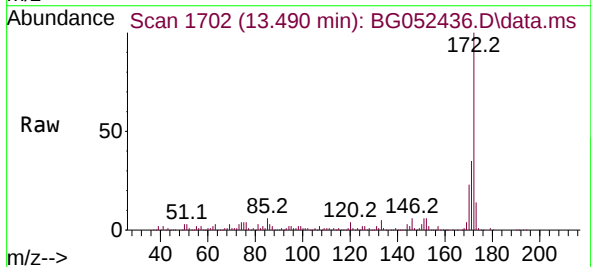
Instrument :  
BNA\_G  
ClientSampleId :  
C0AA0

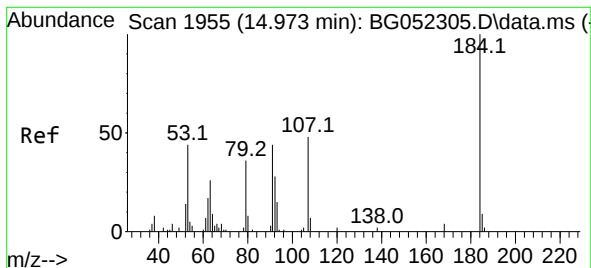
Tgt Ion:330 Resp: 115310  
Ion Ratio Lower Upper  
330 100  
332 97.4 78.6 117.8  
141 34.7 28.8 43.2



#45  
2-Fluorobiphenyl  
Concen: 62.422 ng  
RT: 13.490 min Scan# 1702  
Delta R.T. -0.003 min  
Lab File: BG052436.D  
Acq: 21 Feb 2022 14:15

Tgt Ion:172 Resp: 386506  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.3 42.5  
170 23.4 18.3 27.5

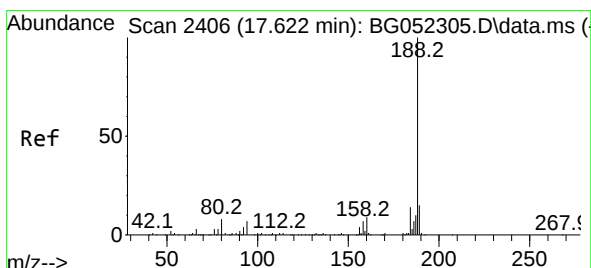
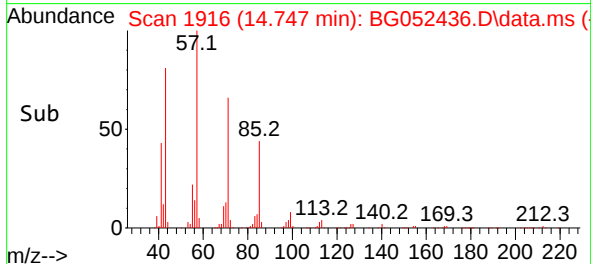
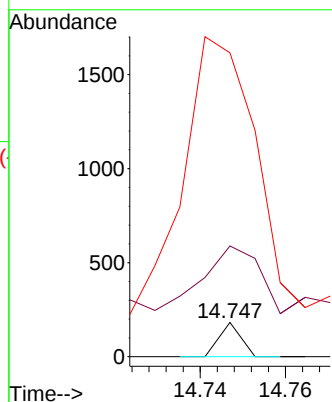
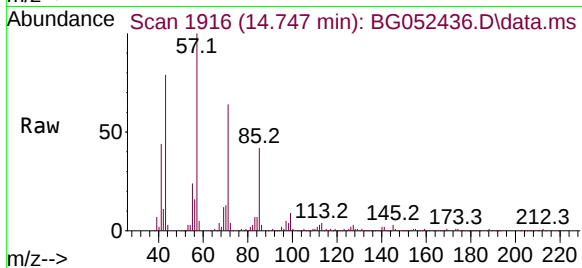




#54  
2,4-Dinitrophenol  
Concen: 4.970 ng  
RT: 14.747 min Scan# 1955  
Delta R.T. -0.226 min  
Lab File: BG052436.D  
Acq: 21 Feb 2022 14:15

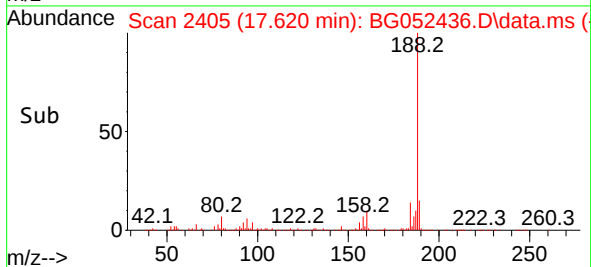
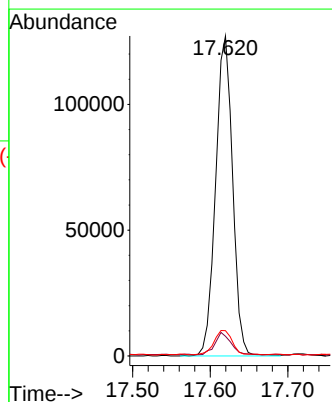
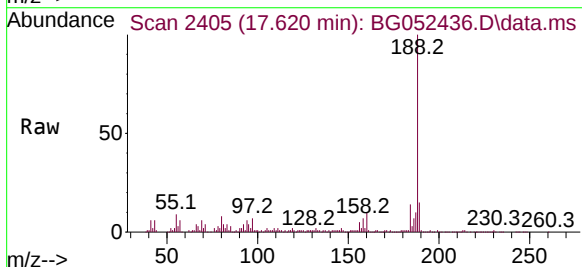
Instrument :  
BNA\_G  
ClientSampleId :  
C0AA0

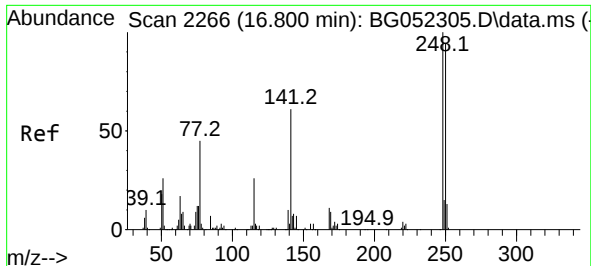
Tgt Ion:184 Resp: 64  
Ion Ratio Lower Upper  
184 100  
63 323.6 56.0 84.0#  
154 887.9 50.2 75.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.620 min Scan# 2405  
Delta R.T. -0.003 min  
Lab File: BG052436.D  
Acq: 21 Feb 2022 14:15

Tgt Ion:188 Resp: 193516  
Ion Ratio Lower Upper  
188 100  
94 6.1 5.9 8.9  
80 7.9 6.6 10.0

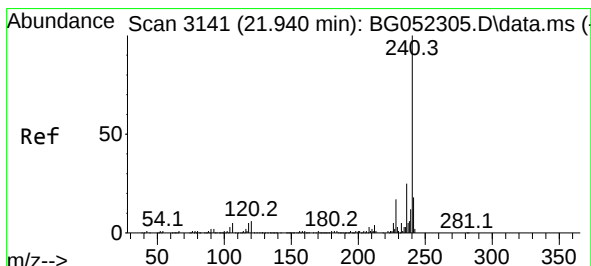
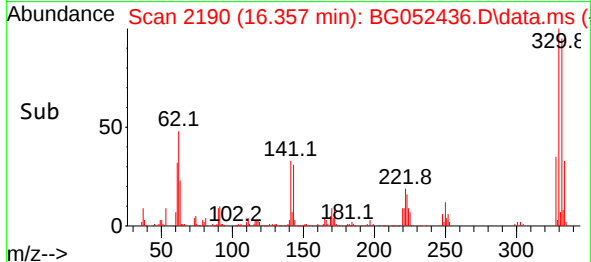
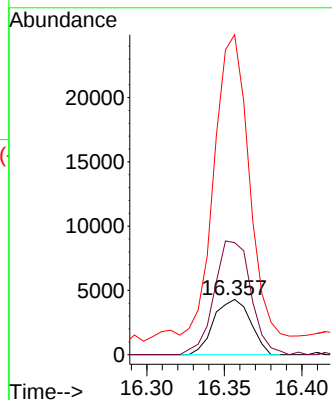
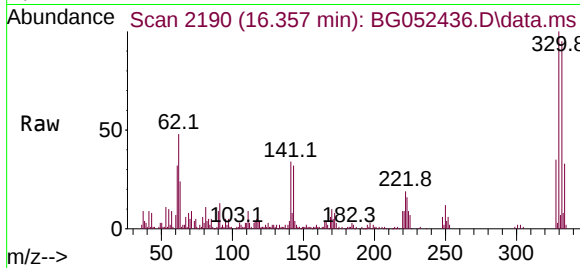




#67  
4-Bromophenyl-phenylether  
Concen: 2.995 ng  
RT: 16.357 min Scan# 21  
Delta R.T. -0.443 min  
Lab File: BG052436.D  
Acq: 21 Feb 2022 14:15

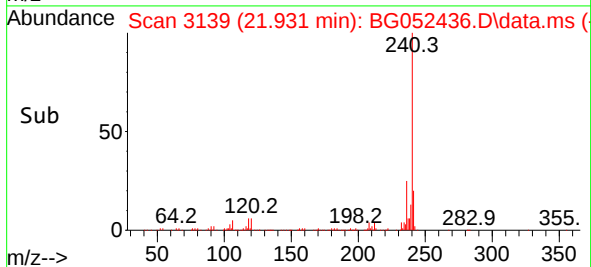
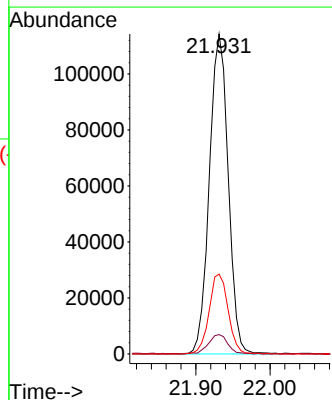
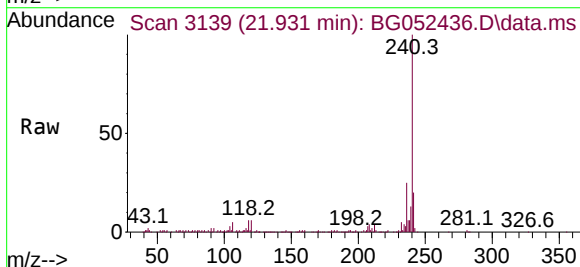
Instrument :  
BNA\_G  
ClientSampleId :  
C0AA0

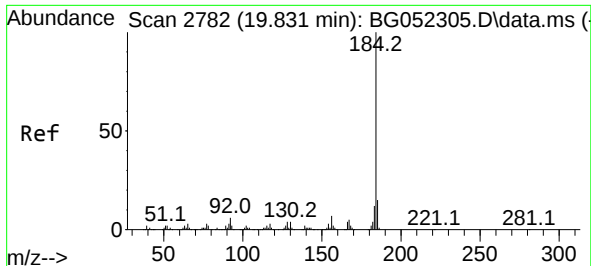
Tgt Ion:248 Resp: 7049  
Ion Ratio Lower Upper  
248 100  
250 202.6 79.6 119.4#  
141 579.2 54.6 81.8#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.931 min Scan# 3139  
Delta R.T. -0.009 min  
Lab File: BG052436.D  
Acq: 21 Feb 2022 14:15

Tgt Ion:240 Resp: 201872  
Ion Ratio Lower Upper  
240 100  
120 6.0 4.4 6.6  
236 25.0 20.8 31.2

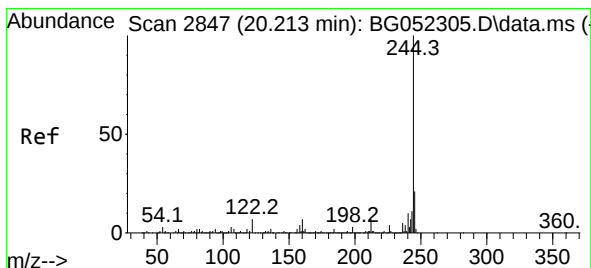
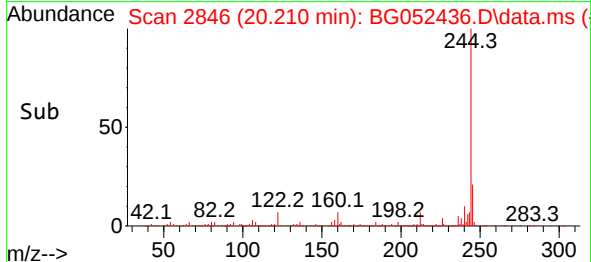
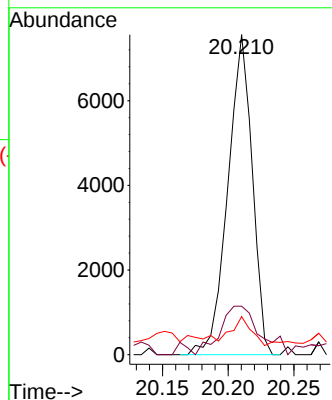
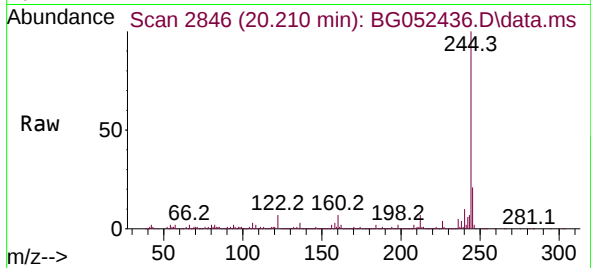




#77  
Benzidine  
Concen: 2.262 ng  
RT: 20.210 min Scan# 21  
Delta R.T. 0.379 min  
Lab File: BG052436.D  
Acq: 21 Feb 2022 14:15

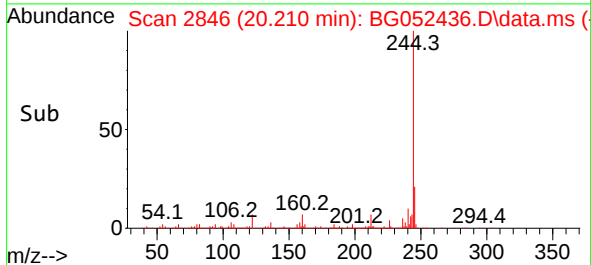
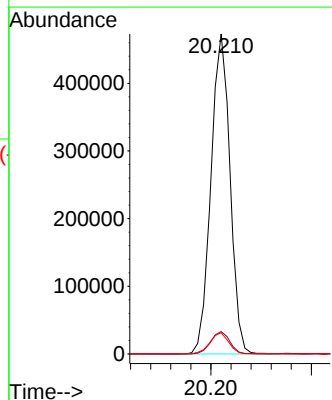
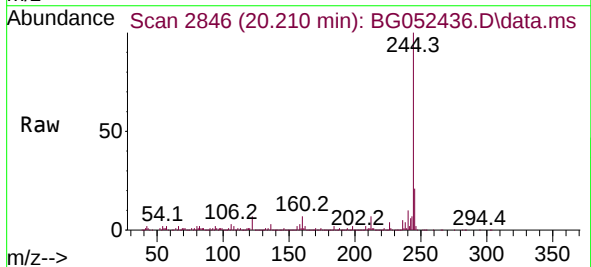
Instrument :  
BNA\_G  
ClientSampleId :  
C0AA0

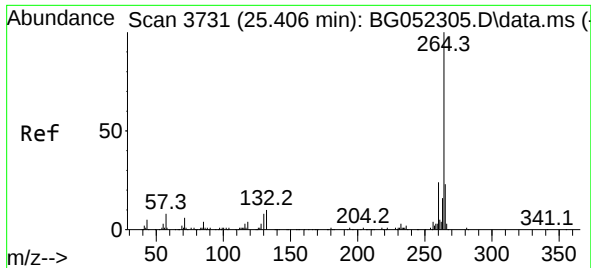
Tgt Ion:184 Resp: 9759  
Ion Ratio Lower Upper  
184 100  
185 15.2 11.8 17.8  
183 11.9 9.8 14.6



#79  
Terphenyl-d14  
Concen: 54.651 ng  
RT: 20.210 min Scan# 2846  
Delta R.T. -0.003 min  
Lab File: BG052436.D  
Acq: 21 Feb 2022 14:15

Tgt Ion:244 Resp: 624771  
Ion Ratio Lower Upper  
244 100  
212 7.0 6.0 9.0  
122 6.7 6.2 9.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.397 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG052436.D

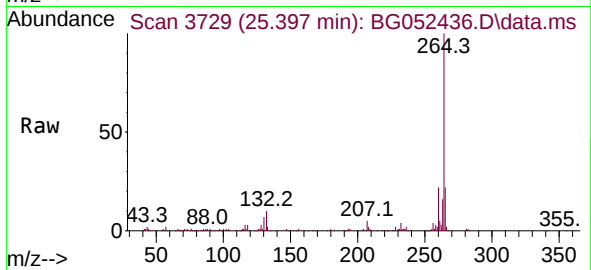
Acq: 21 Feb 2022 14:15

Instrument :

BNA\_G

ClientSampleId :

C0AA0



Tgt Ion:264 Resp: 224927

Ion Ratio Lower Upper

264 100

260 22.1 18.5 27.7

265 21.9 17.8 26.6

