

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG011124\  
 Data File : BG060311.D  
 Acq On : 11 Jan 2024 15:59  
 Operator : MA/JU  
 Sample : P1100-02  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COMP-2

Quant Time: Jan 11 16:57:32 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG010824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 09 04:07:12 2024  
 Response via : Initial Calibration

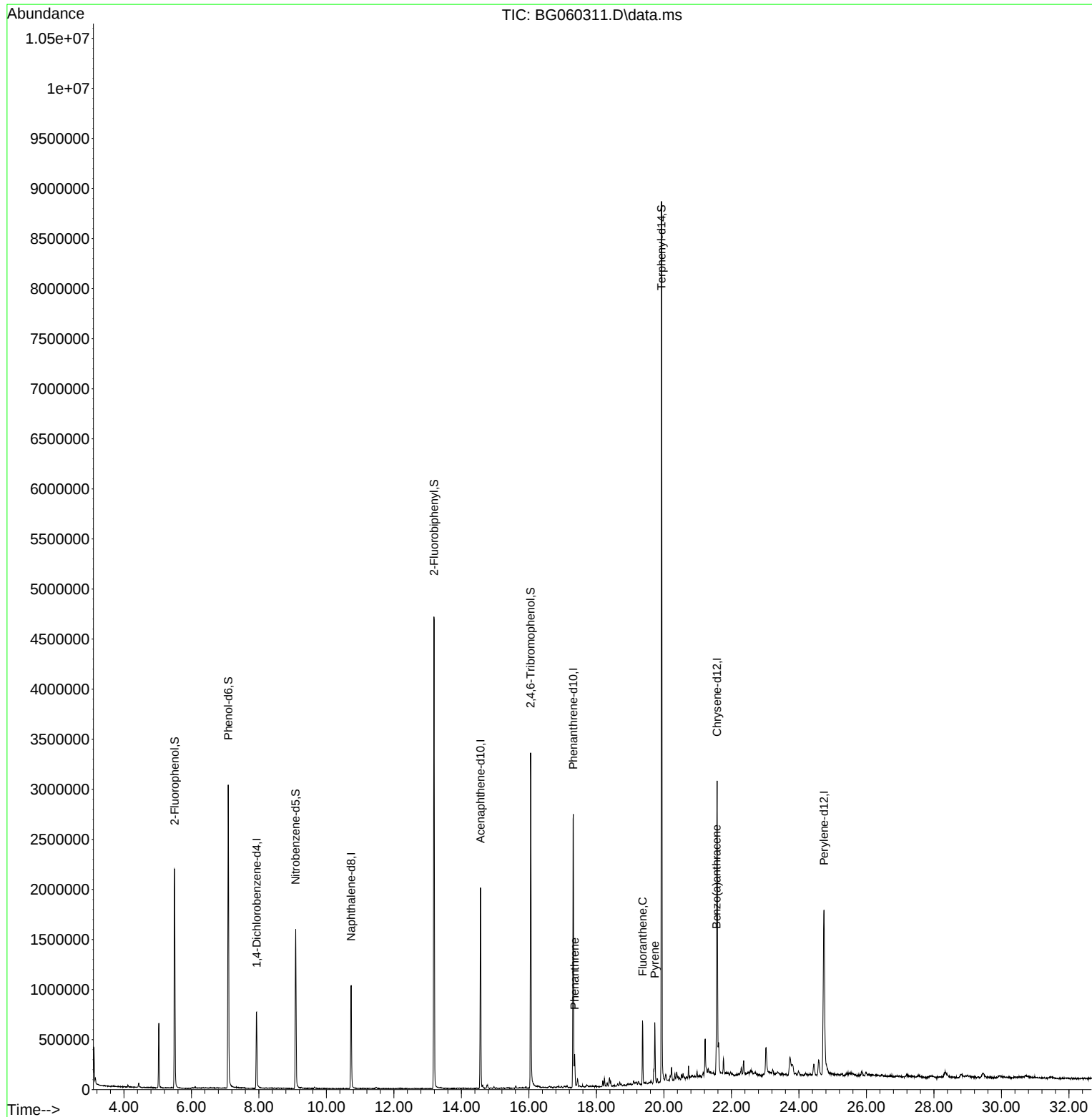
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.931  | 152  | 250673   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.734 | 136  | 958868   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.565 | 164  | 715812   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.314 | 188  | 1897667  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.574 | 240  | 1768131  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 24.741 | 264  | 2018227  | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.505  | 112  | 1166985  | 76.572 | ng    | 0.00     |
| 7) Phenol-d6                | 7.091  | 99   | 2077661  | 92.064 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.089  | 82   | 1113272  | 54.824 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.051 | 330  | 769724   | 73.087 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.190 | 172  | 2682255  | 52.097 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.929 | 244  | 4408986  | 54.943 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 17.356 | 178  | 210055   | 2.290  | ng    | 94       |
| 75) Fluoranthene            | 19.365 | 202  | 399068   | 3.622  | ng    | 87       |
| 78) Pyrene                  | 19.729 | 202  | 379452   | 3.361  | ng    | # 85     |
| 81) Benzo(a)anthracene      | 21.557 | 228  | 231828   | 2.118  | ng    | 92       |
| -----                       |        |      |          |        |       |          |

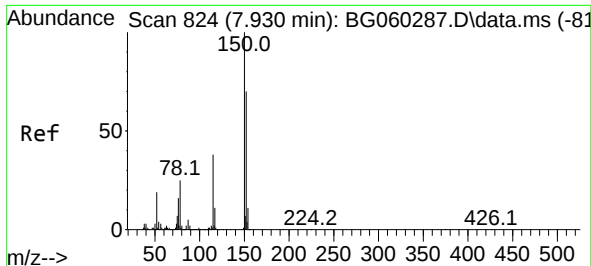
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG011124\  
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QLast Update : Tue Jan 09 04:07:12 2024  
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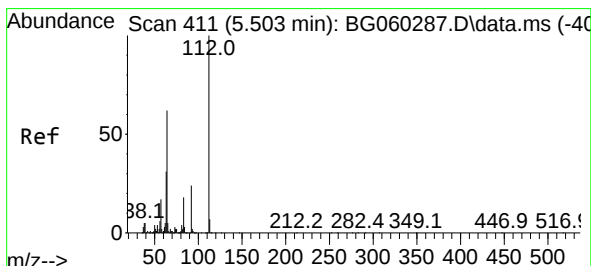
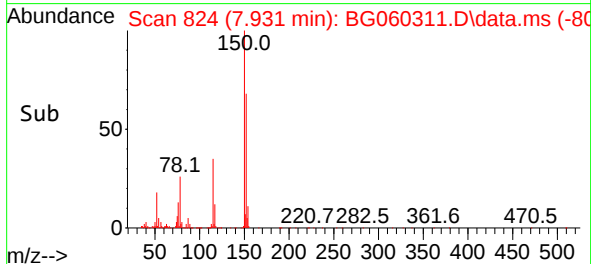
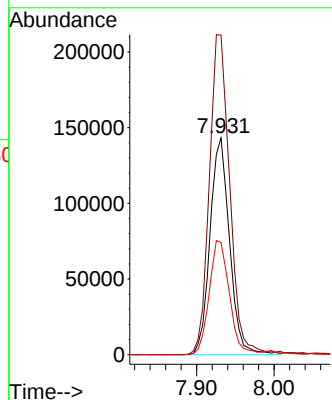
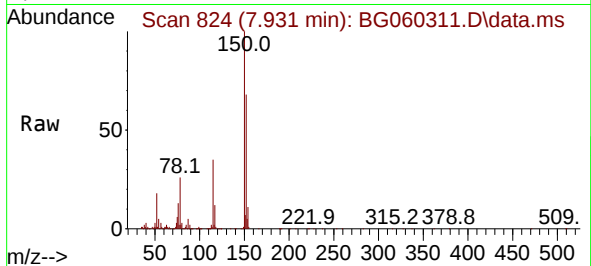




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.931 min Scan# 81  
Delta R.T. 0.001 min  
Lab File: BG060311.D  
Acq: 11 Jan 2024 15:59

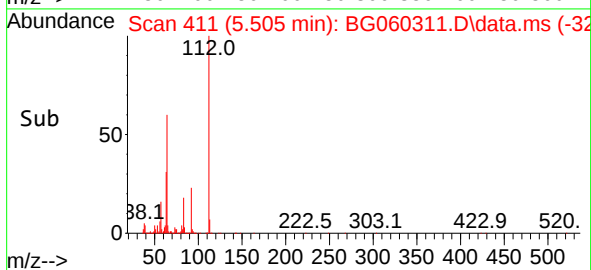
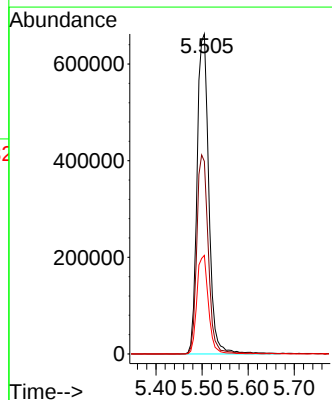
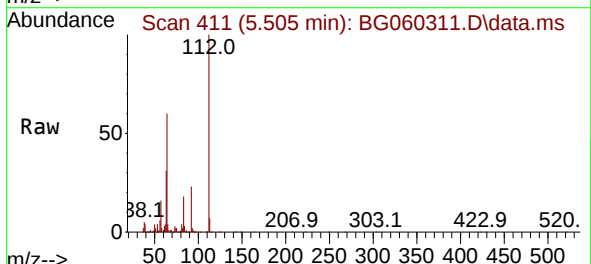
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-2

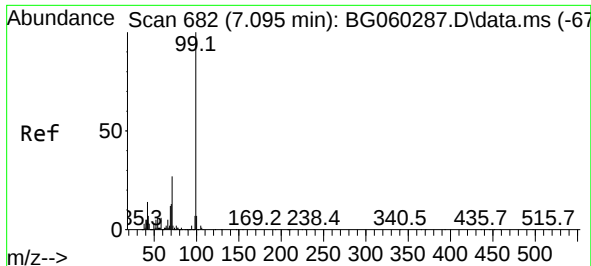
Tgt Ion:152 Resp: 250673  
Ion Ratio Lower Upper  
152 100  
150 147.5 114.5 171.7  
115 51.8 43.0 64.6



#5  
2-Fluorophenol  
Concen: 76.572 ng  
RT: 5.505 min Scan# 411  
Delta R.T. 0.002 min  
Lab File: BG060311.D  
Acq: 11 Jan 2024 15:59

Tgt Ion:112 Resp: 1166985  
Ion Ratio Lower Upper  
112 100  
64 60.2 49.8 74.6  
63 30.8 24.4 36.6



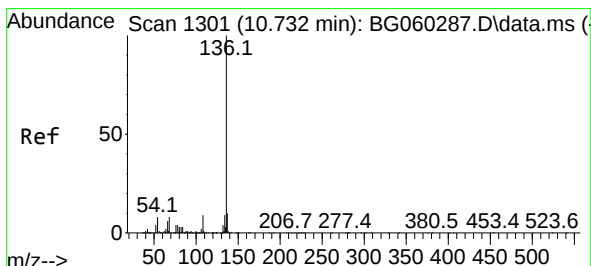
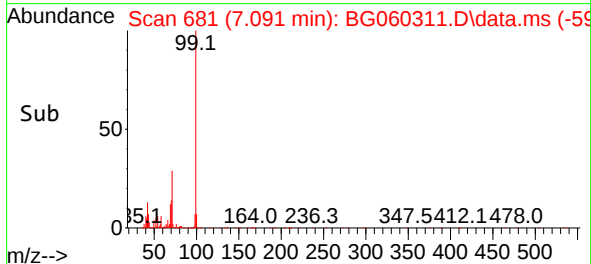
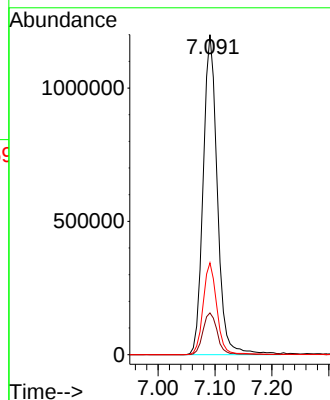
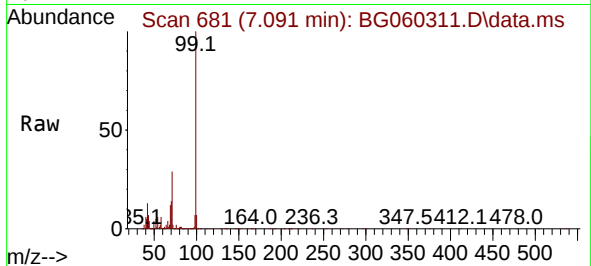


#7  
Phenol-d6  
Concen: 92.064 ng  
RT: 7.091 min Scan# 61  
Delta R.T. -0.004 min  
Lab File: BG060311.D  
Acq: 11 Jan 2024 15:59

Instrument :  
BNA\_G  
ClientSampleId :  
COMP-2

Tgt Ion: 99 Resp: 2077661

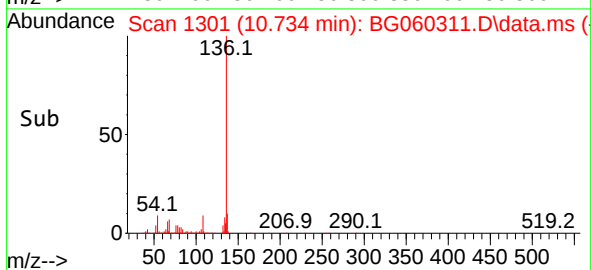
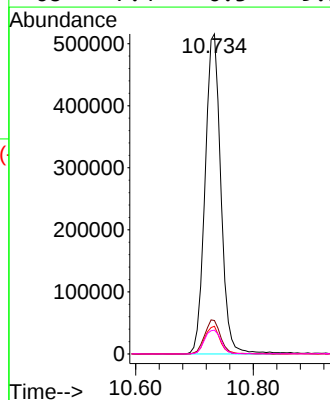
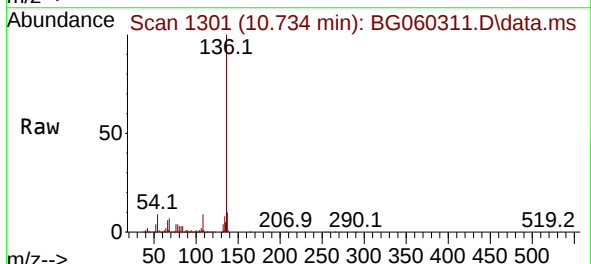
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 13.0  | 10.9  | 16.3  |
| 71  | 28.7  | 21.5  | 32.3  |

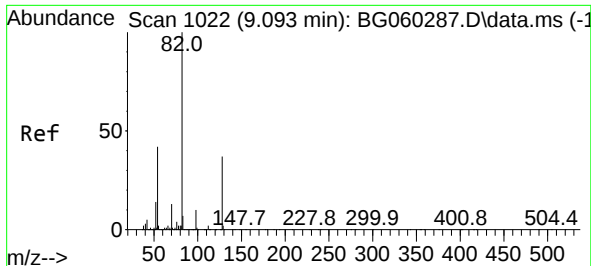


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.734 min Scan# 1301  
Delta R.T. 0.002 min  
Lab File: BG060311.D  
Acq: 11 Jan 2024 15:59

Tgt Ion: 136 Resp: 958868

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.4  | 8.2   | 12.4  |
| 54  | 8.6   | 6.2   | 9.2   |
| 68  | 7.4   | 6.3   | 9.5   |





#23

Nitrobenzene-d5

Concen: 54.824 ng

RT: 9.089 min Scan# 1022

Delta R.T. -0.004 min

Lab File: BG060311.D

Acq: 11 Jan 2024 15:59

Instrument :

BNA\_G

ClientSampleId :

COMP-2

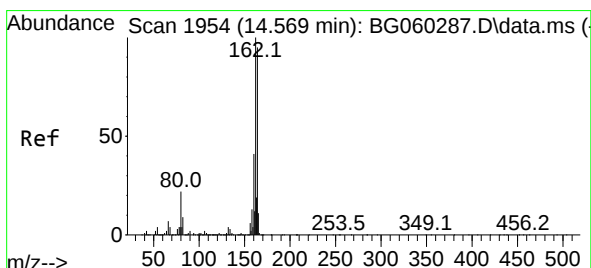
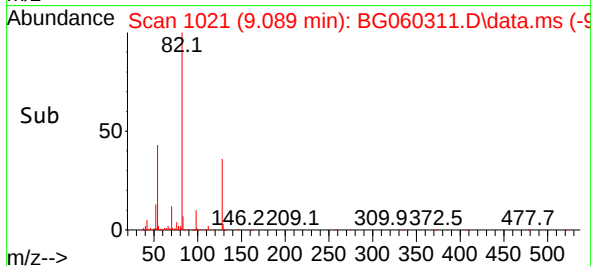
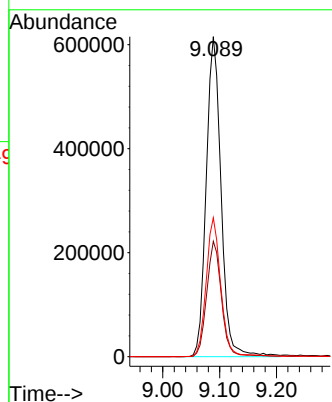
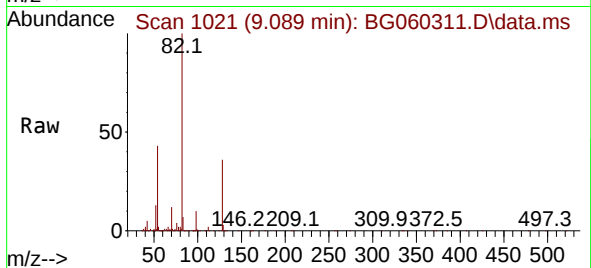
Tgt Ion: 82 Resp: 1113272

Ion Ratio Lower Upper

82 100

128 36.1 29.6 44.4

54 43.4 33.6 50.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.565 min Scan# 1953

Delta R.T. -0.004 min

Lab File: BG060311.D

Acq: 11 Jan 2024 15:59

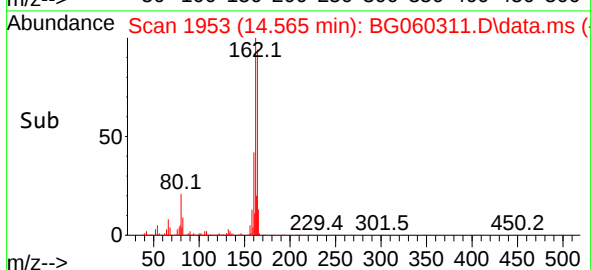
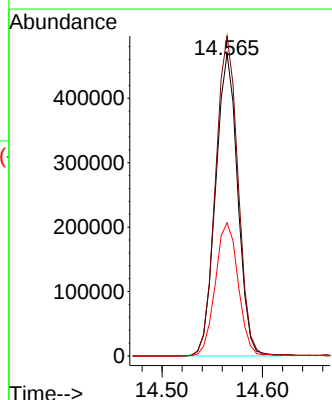
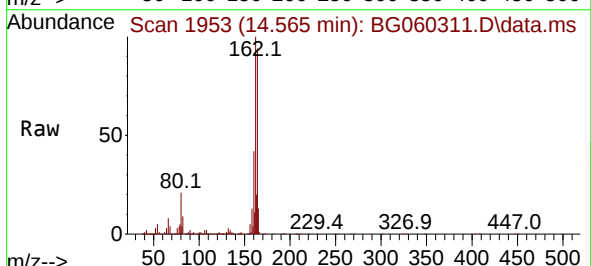
Tgt Ion:164 Resp: 715812

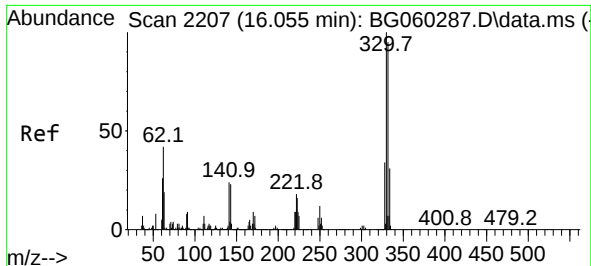
Ion Ratio Lower Upper

164 100

162 105.9 84.4 126.6

160 44.0 34.6 52.0

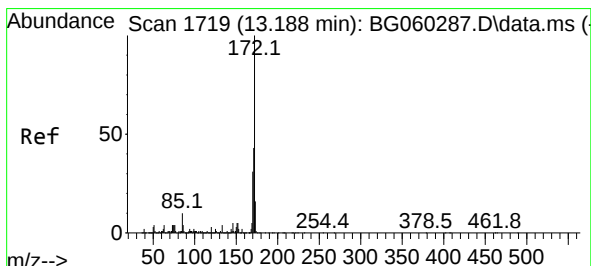
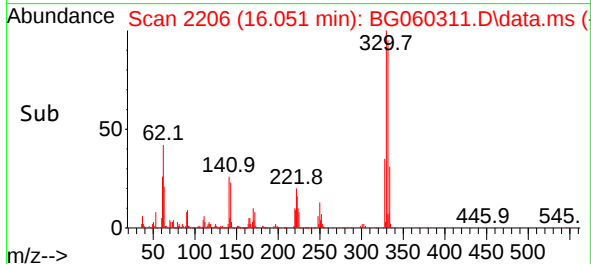
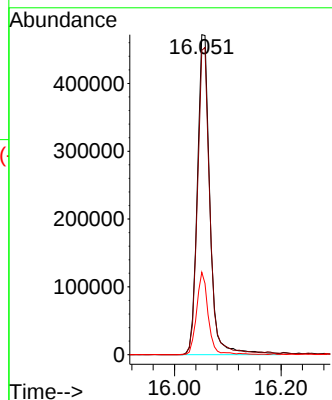
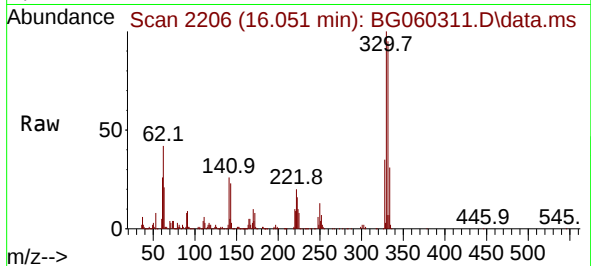




#42  
2,4,6-Tribromophenol  
Concen: 73.087 ng  
RT: 16.051 min Scan# 21  
Delta R.T. -0.004 min  
Lab File: BG060311.D  
Acq: 11 Jan 2024 15:59

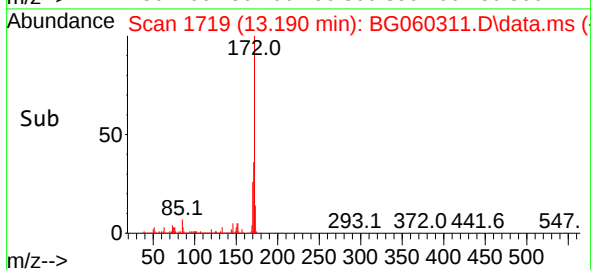
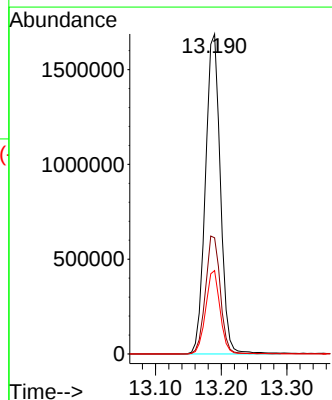
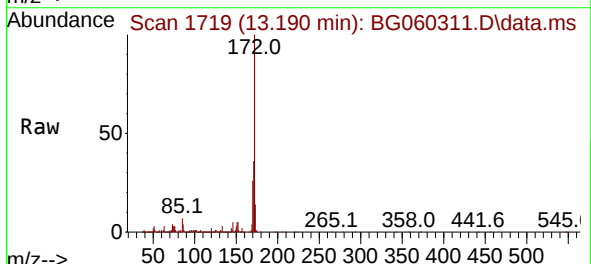
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-2

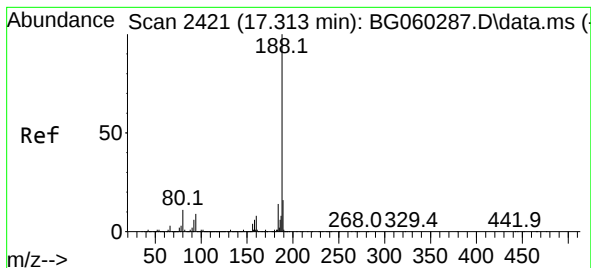
Tgt Ion:330 Resp: 769724  
Ion Ratio Lower Upper  
330 100  
332 94.5 76.7 115.1  
141 23.7 18.6 28.0



#45  
2-Fluorobiphenyl  
Concen: 52.097 ng  
RT: 13.190 min Scan# 1719  
Delta R.T. 0.002 min  
Lab File: BG060311.D  
Acq: 11 Jan 2024 15:59

Tgt Ion:172 Resp: 2682255  
Ion Ratio Lower Upper  
172 100  
171 36.3 34.6 51.8  
170 26.0 24.4 36.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.314 min Scan# 24

Delta R.T. 0.002 min

Lab File: BG060311.D

Acq: 11 Jan 2024 15:59

Instrument :

BNA\_G

ClientSampleId :

COMP-2

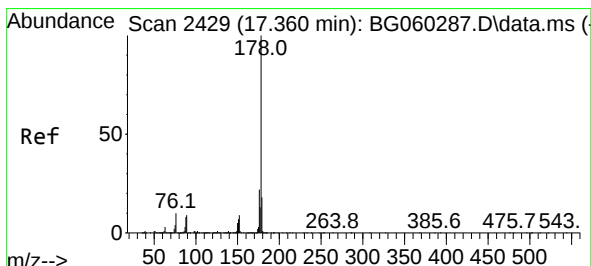
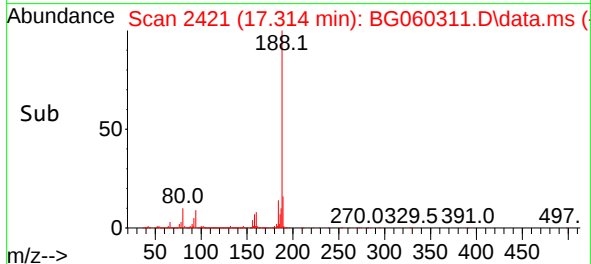
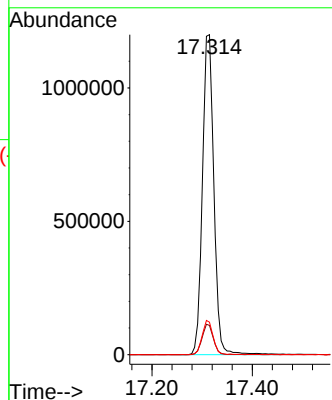
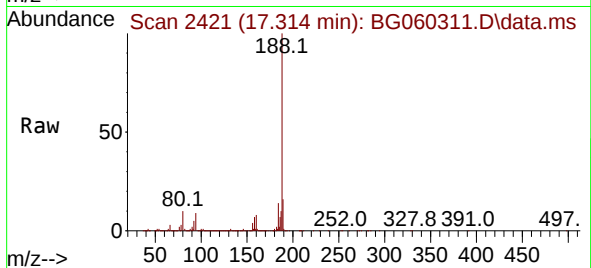
Tgt Ion:188 Resp: 1897667

Ion Ratio Lower Upper

188 100

94 9.1 7.1 10.7

80 10.2 8.5 12.7



#71

Phenanthrene

Concen: 2.290 ng

RT: 17.356 min Scan# 2428

Delta R.T. -0.004 min

Lab File: BG060311.D

Acq: 11 Jan 2024 15:59

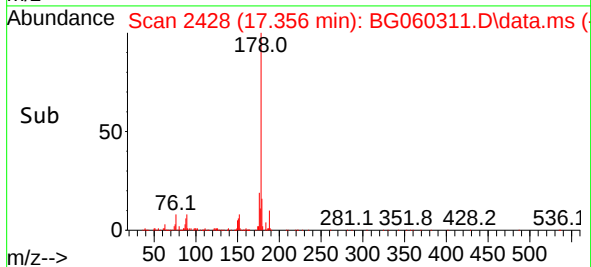
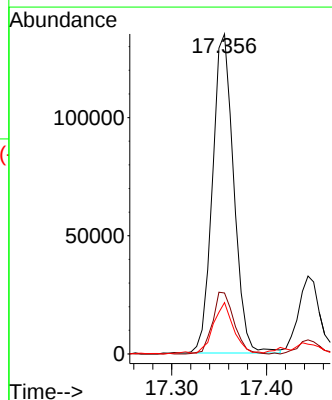
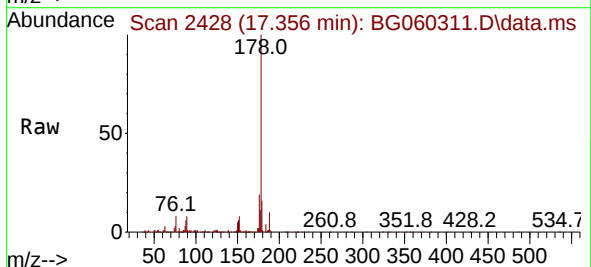
Tgt Ion:178 Resp: 210055

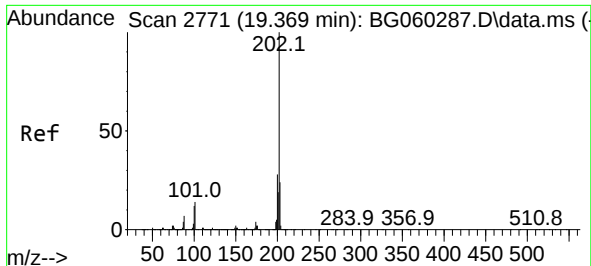
Ion Ratio Lower Upper

178 100

176 19.0 17.4 26.2

179 16.1 14.7 22.1

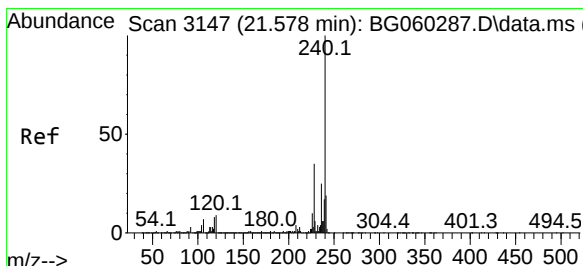
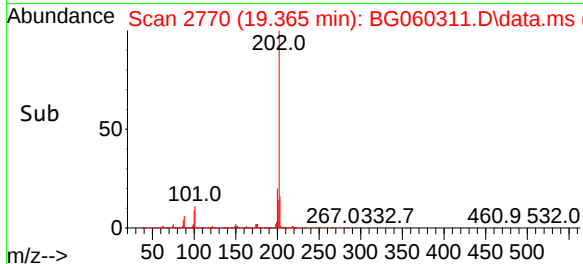
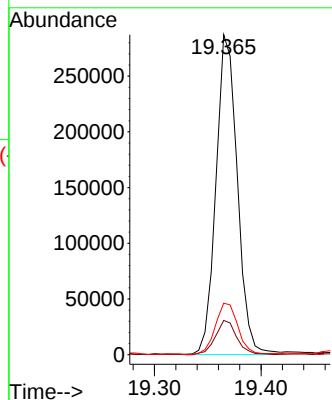
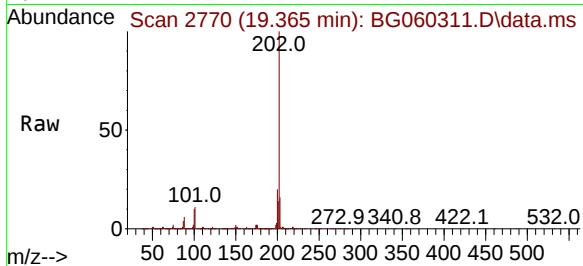




#75  
Fluoranthene  
Concen: 3.622 ng  
RT: 19.365 min Scan# 21  
Delta R.T. -0.004 min  
Lab File: BG060311.D  
Acq: 11 Jan 2024 15:59

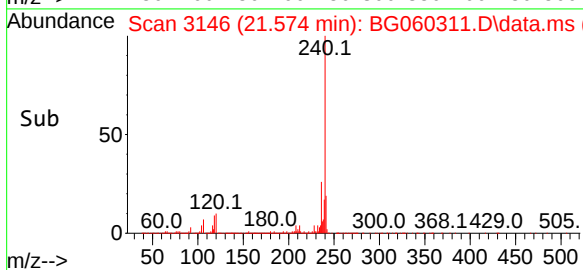
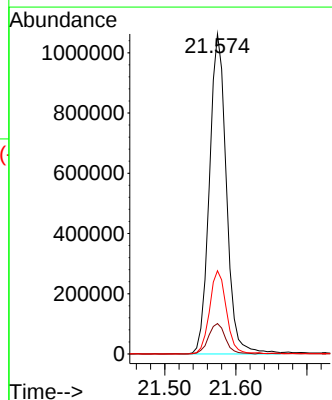
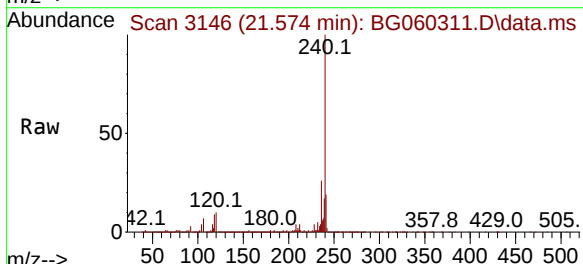
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-2

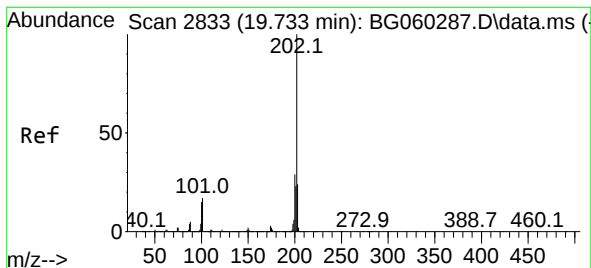
Tgt Ion:202 Resp: 399068  
Ion Ratio Lower Upper  
202 100  
101 10.7 0.0 34.4  
203 16.1 4.0 44.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.574 min Scan# 3146  
Delta R.T. -0.004 min  
Lab File: BG060311.D  
Acq: 11 Jan 2024 15:59

Tgt Ion:240 Resp: 1768131  
Ion Ratio Lower Upper  
240 100  
120 9.5 7.3 10.9  
236 26.0 20.3 30.5





#78

Pyrene

Concen: 3.361 ng

RT: 19.729 min Scan# 2832

Delta R.T. -0.004 min

Lab File: BG060311.D

Acq: 11 Jan 2024 15:59

Instrument :

BNA\_G

ClientSampleId :

COMP-2

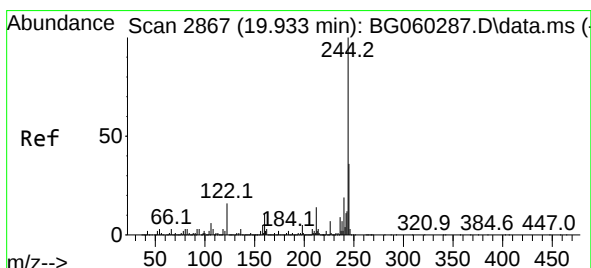
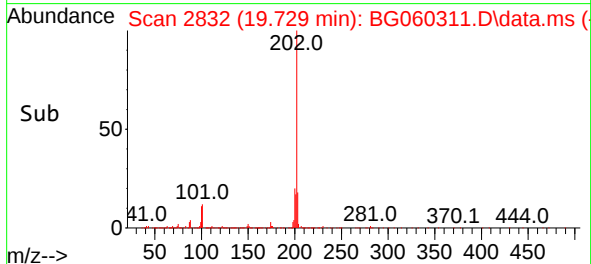
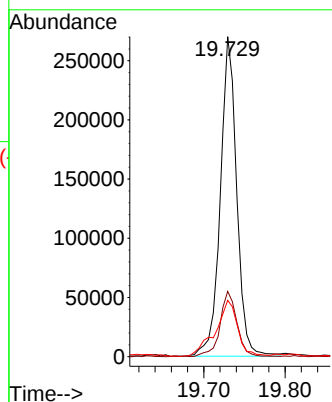
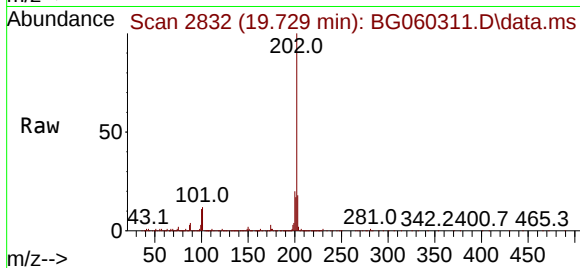
Tgt Ion:202 Resp: 379452

Ion Ratio Lower Upper

202 100

200 20.4 23.5 35.3#

203 17.6 19.6 29.4#



#79

Terphenyl-d14

Concen: 54.943 ng

RT: 19.929 min Scan# 2866

Delta R.T. -0.004 min

Lab File: BG060311.D

Acq: 11 Jan 2024 15:59

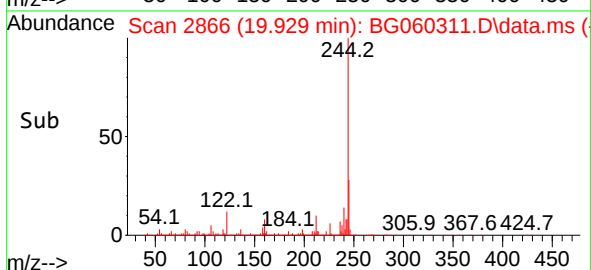
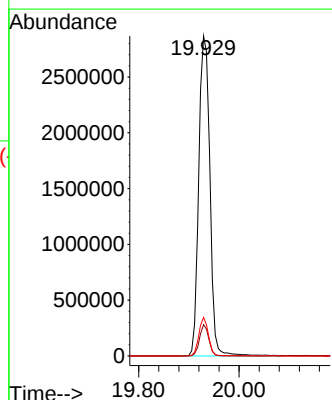
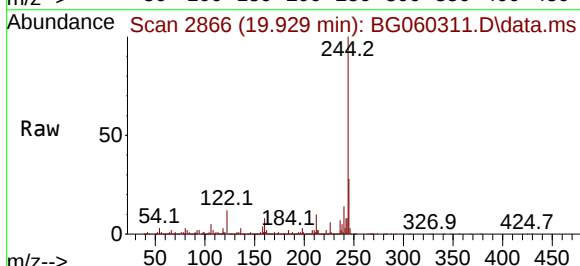
Tgt Ion:244 Resp: 4408986

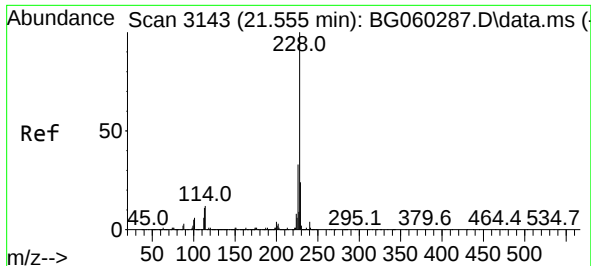
Ion Ratio Lower Upper

244 100

212 9.8 10.9 16.3#

122 12.1 12.6 18.8#

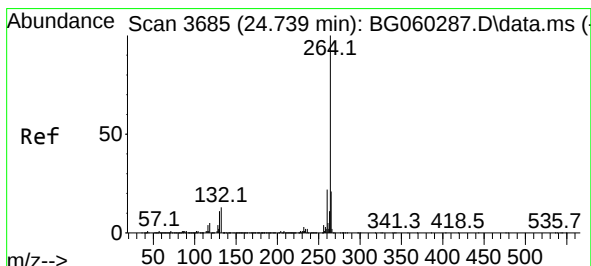
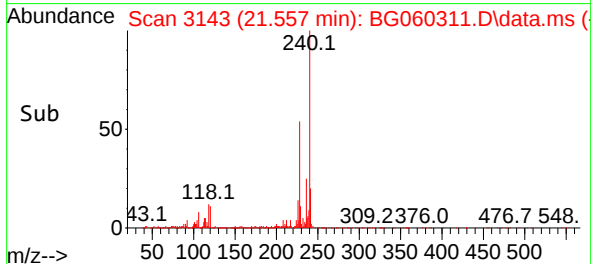
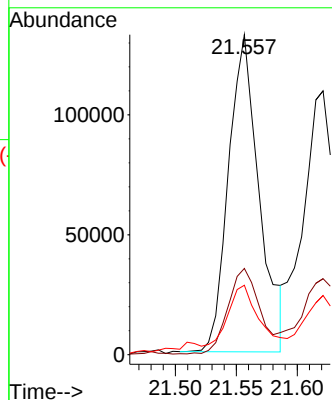
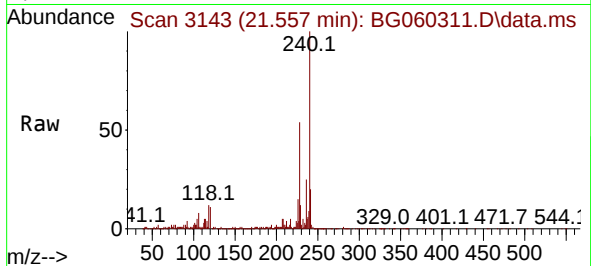




#81  
Benzo(a)anthracene  
Concen: 2.118 ng  
RT: 21.557 min Scan# 3143  
Delta R.T. 0.002 min  
Lab File: BG060311.D  
Acq: 11 Jan 2024 15:59

Instrument :  
BNA\_G  
ClientSampleId :  
COMP-2

Tgt Ion:228 Resp: 231828  
Ion Ratio Lower Upper  
228 100  
226 26.9 26.2 39.2  
229 21.7 19.4 29.2



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.741 min Scan# 3685  
Delta R.T. 0.002 min  
Lab File: BG060311.D  
Acq: 11 Jan 2024 15:59

Tgt Ion:264 Resp: 2018227  
Ion Ratio Lower Upper  
264 100  
260 21.7 17.8 26.6  
265 21.7 16.8 25.2

