

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021023\  
 Data File : BG056607.D  
 Acq On : 10 Feb 2023 15:55  
 Operator : CG/JU  
 Sample : 01504-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COMP-1

Quant Time: Feb 11 01:18:37 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 10 22:46:08 2023  
 Response via : Initial Calibration

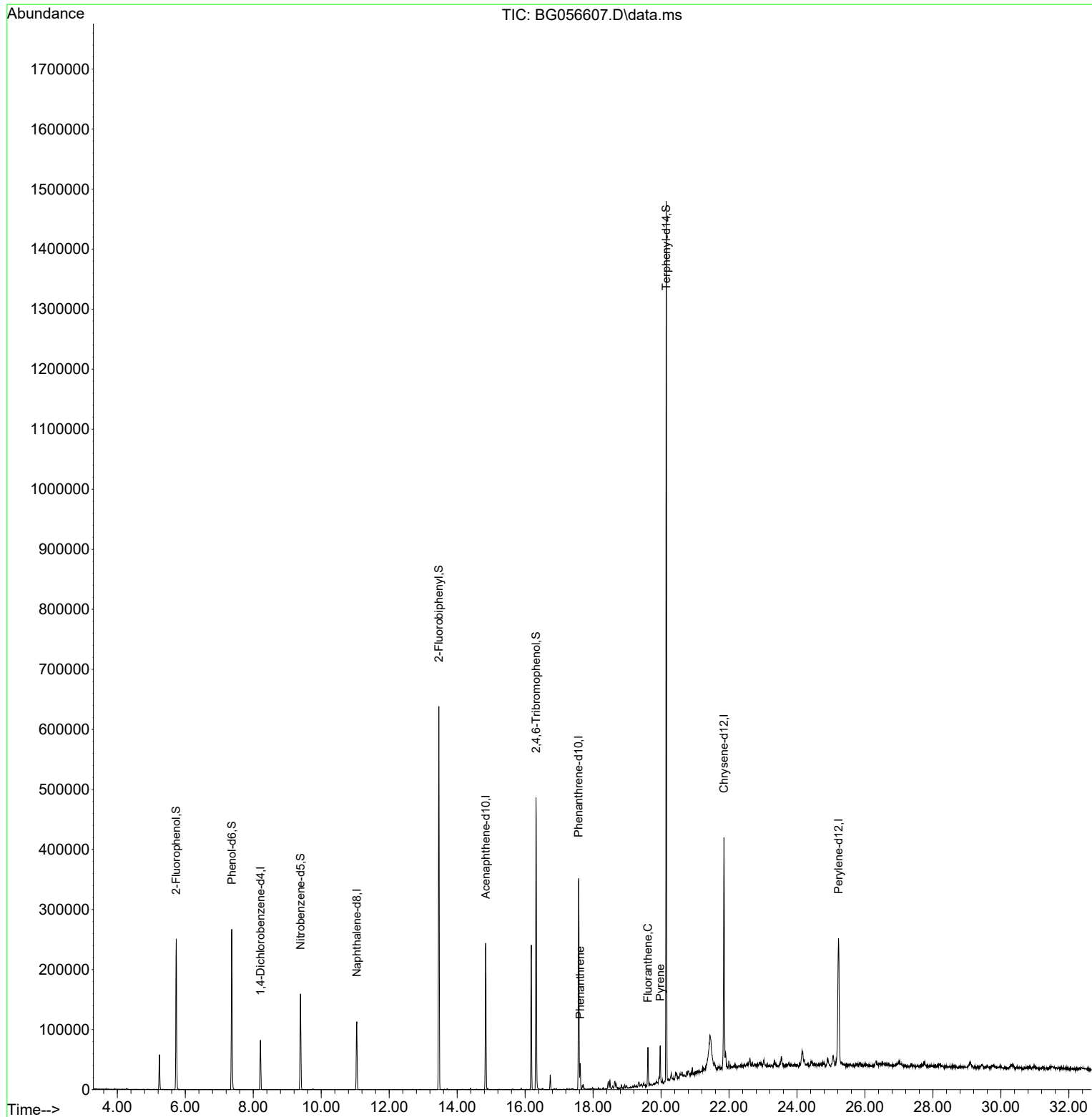
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.213  | 152  | 28731    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.045 | 136  | 111310   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.841 | 164  | 94253    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.573 | 188  | 250744   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12            | 21.850 | 240  | 233736   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 25.223 | 264  | 256809   | 20.000 | ng    | -0.01    |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.734  | 112  | 143350   | 91.784 | ng    | 0.00     |
| 7) Phenol-d6                | 7.367  | 99   | 208160   | 89.952 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.389  | 82   | 106043   | 54.098 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.322 | 330  | 107476   | 85.772 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.460 | 172  | 366688   | 53.938 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.152 | 244  | 789227   | 59.305 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 17.620 | 178  | 30842    | 2.350  | ng    | # 95     |
| 75) Fluoranthene            | 19.612 | 202  | 45551    | 2.750  | ng    | 96       |
| 78) Pyrene                  | 19.976 | 202  | 43680    | 2.628  | ng    | 99       |
| -----                       |        |      |          |        |       |          |

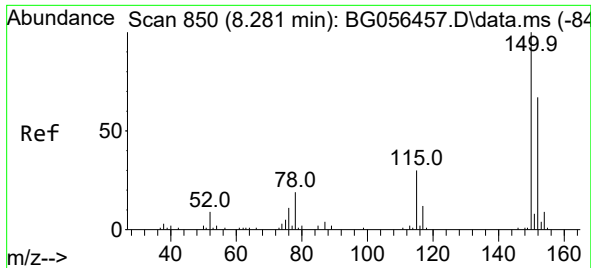
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG021023\  
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Quant Time: Feb 11 01:18:37 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 10 22:46:08 2023  
Response via : Initial Calibration

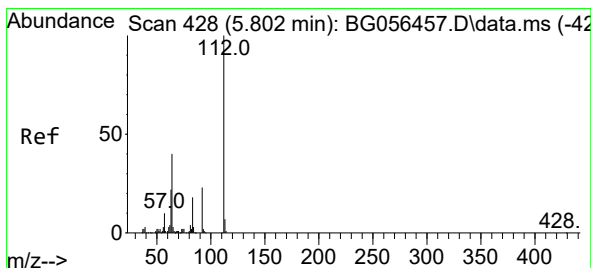
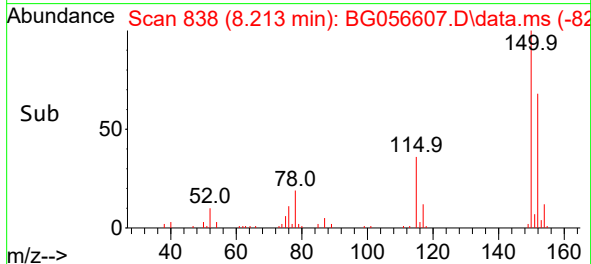
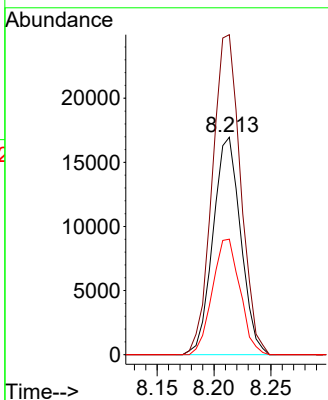
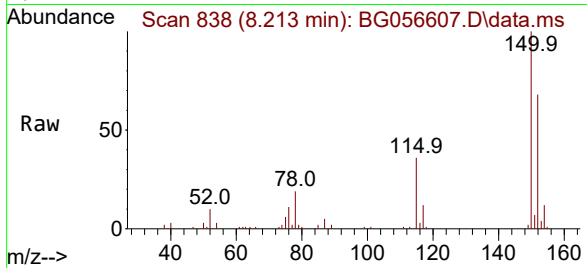




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.213 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BG056607.D  
Acq: 10 Feb 2023 15:55

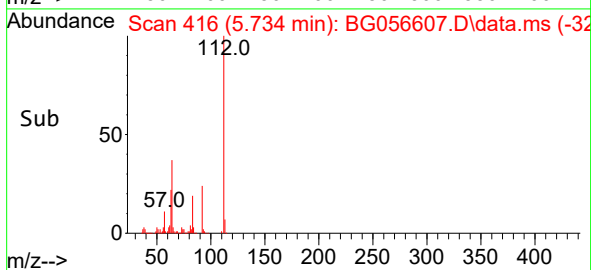
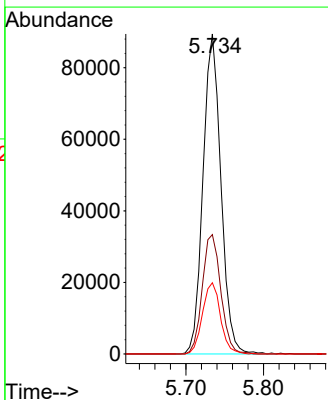
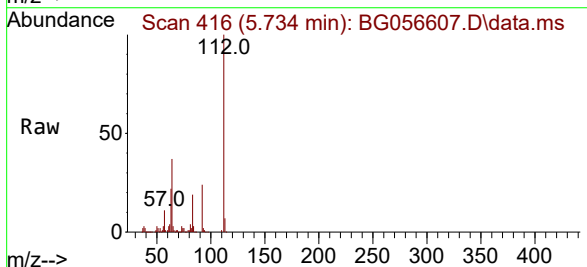
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

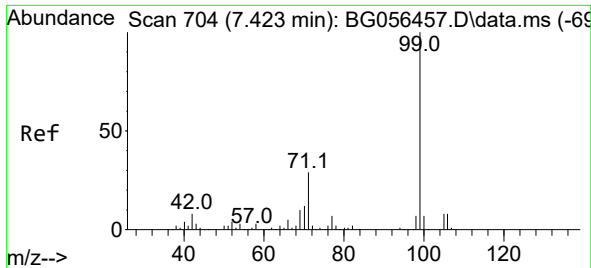
Tgt Ion:152 Resp: 28731  
Ion Ratio Lower Upper  
152 100  
150 147.2 120.2 180.4  
115 53.2 36.3 54.5



#5  
2-Fluorophenol  
Concen: 91.784 ng  
RT: 5.734 min Scan# 416  
Delta R.T. 0.006 min  
Lab File: BG056607.D  
Acq: 10 Feb 2023 15:55

Tgt Ion:112 Resp: 143350  
Ion Ratio Lower Upper  
112 100  
64 37.3 31.9 47.9  
63 22.2 17.4 26.0

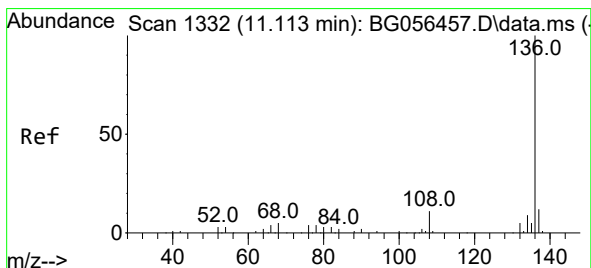
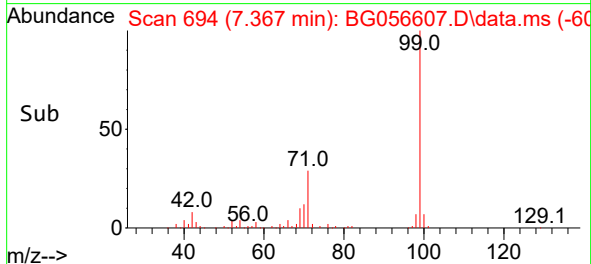
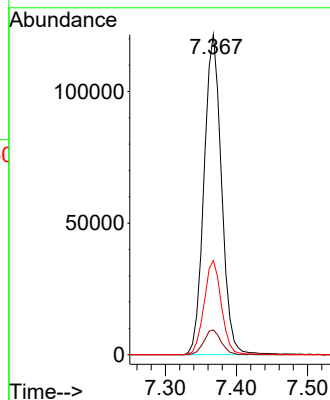
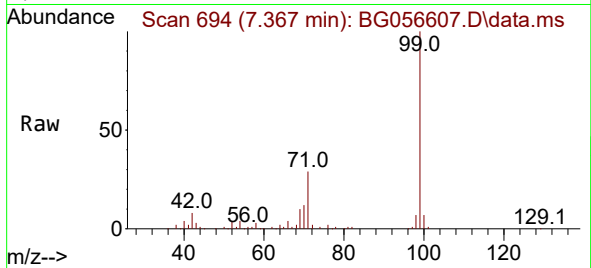




#7  
Phenol-d6  
Concen: 89.952 ng  
RT: 7.367 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BG056607.D  
Acq: 10 Feb 2023 15:55

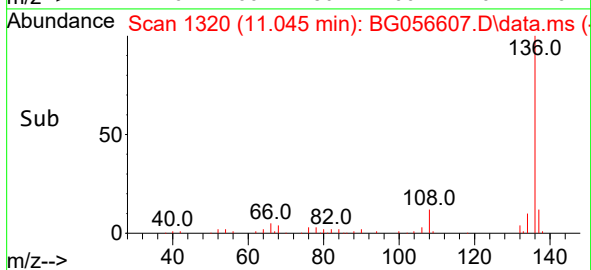
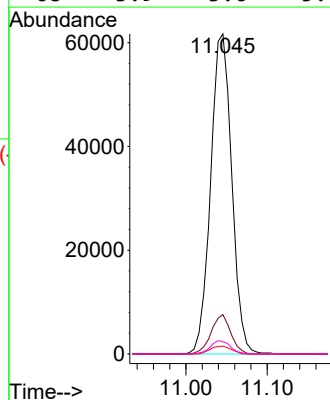
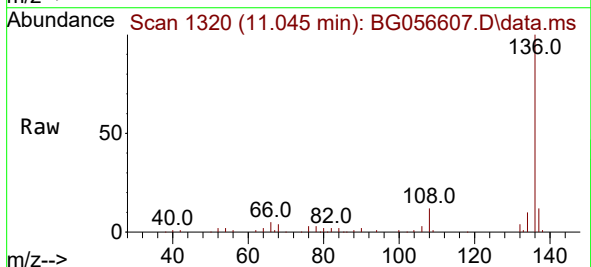
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

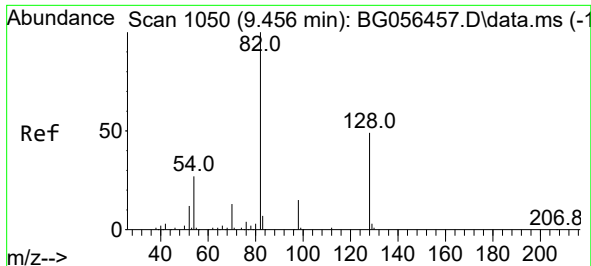
Tgt Ion: 99 Resp: 208160  
Ion Ratio Lower Upper  
99 100  
42 7.8 6.6 10.0  
71 29.4 23.4 35.0



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.045 min Scan# 1320  
Delta R.T. 0.000 min  
Lab File: BG056607.D  
Acq: 10 Feb 2023 15:55

Tgt Ion: 136 Resp: 111310  
Ion Ratio Lower Upper  
136 100  
137 12.3 9.4 14.0  
54 2.5 2.2 3.4  
68 3.9 3.6 5.4





#23

Nitrobenzene-d5

Concen: 54.098 ng

RT: 9.389 min Scan# 1038

Delta R.T. 0.000 min

Lab File: BG056607.D

Acq: 10 Feb 2023 15:55

Instrument :

BNA\_G

ClientSampleId :

COMP-1

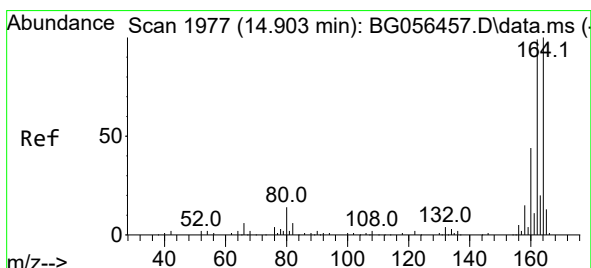
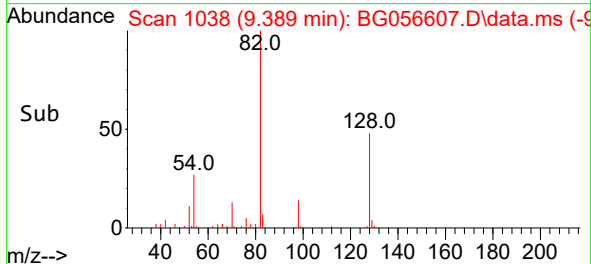
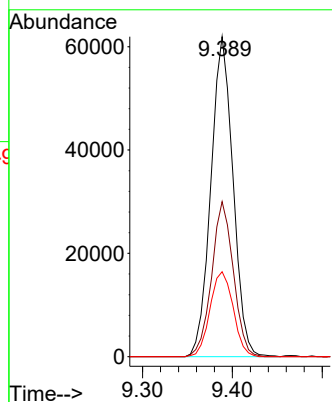
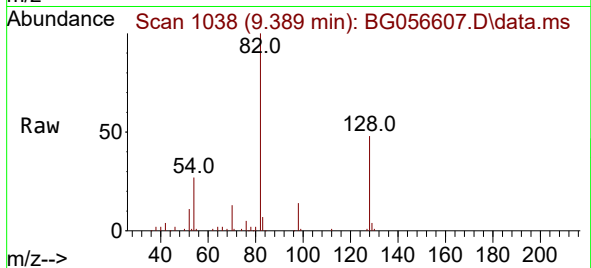
Tgt Ion: 82 Resp: 106043

Ion Ratio Lower Upper

82 100

128 48.5 39.4 59.2

54 26.5 21.4 32.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.841 min Scan# 1966

Delta R.T. 0.000 min

Lab File: BG056607.D

Acq: 10 Feb 2023 15:55

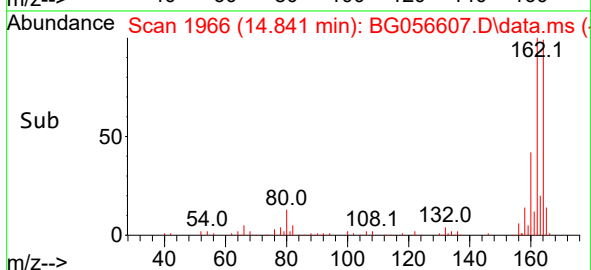
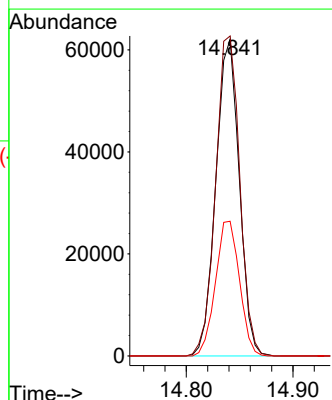
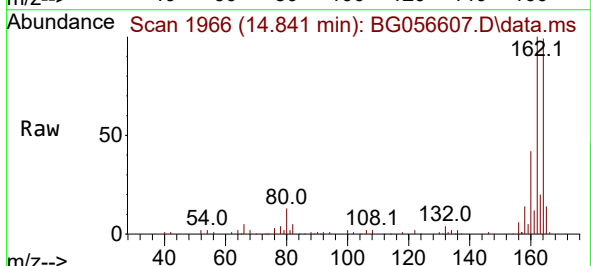
Tgt Ion:164 Resp: 94253

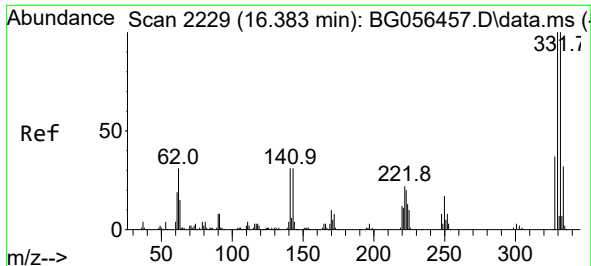
Ion Ratio Lower Upper

164 100

162 101.1 79.6 119.4

160 42.6 34.9 52.3

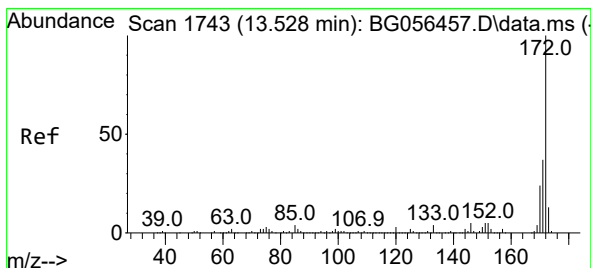
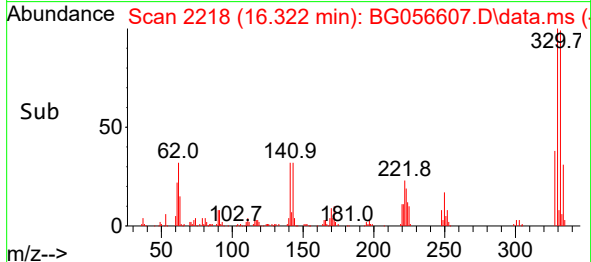
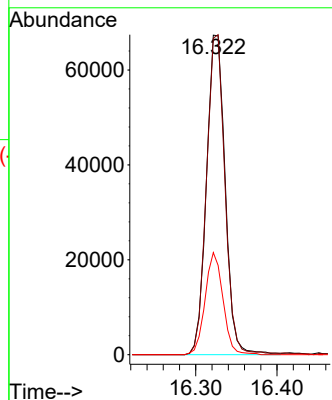
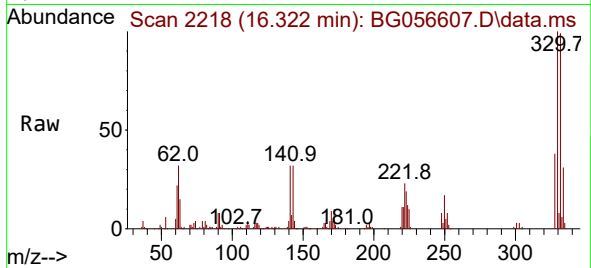




#42  
2,4,6-Tribromophenol  
Concen: 85.772 ng  
RT: 16.322 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BG056607.D  
Acq: 10 Feb 2023 15:55

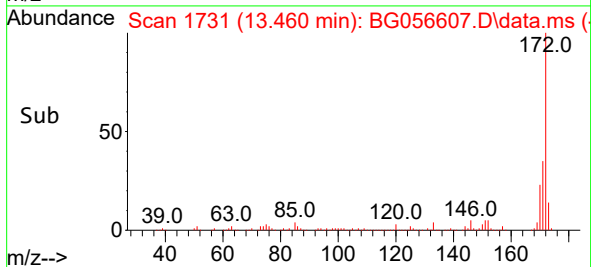
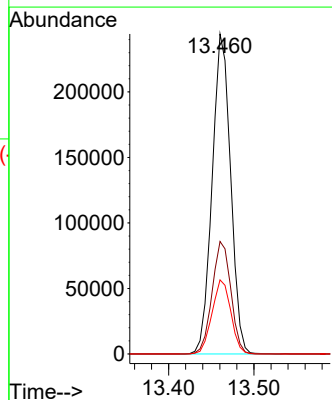
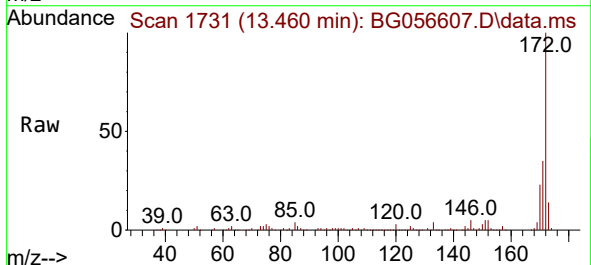
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

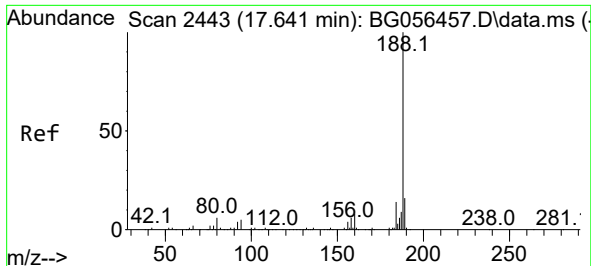
Tgt Ion:330 Resp: 107476  
Ion Ratio Lower Upper  
330 100  
332 99.2 79.0 118.6  
141 30.6 24.2 36.4



#45  
2-Fluorobiphenyl  
Concen: 53.938 ng  
RT: 13.460 min Scan# 1731  
Delta R.T. -0.006 min  
Lab File: BG056607.D  
Acq: 10 Feb 2023 15:55

Tgt Ion:172 Resp: 366688  
Ion Ratio Lower Upper  
172 100  
171 35.2 29.5 44.3  
170 23.1 19.2 28.8

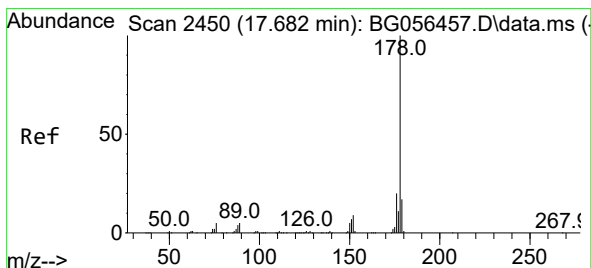
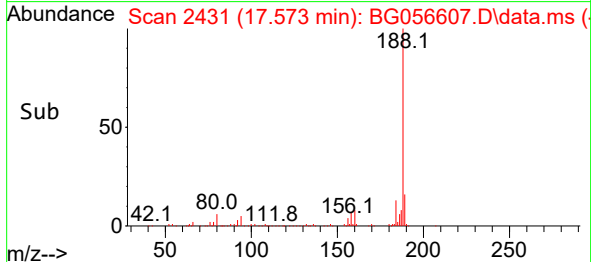
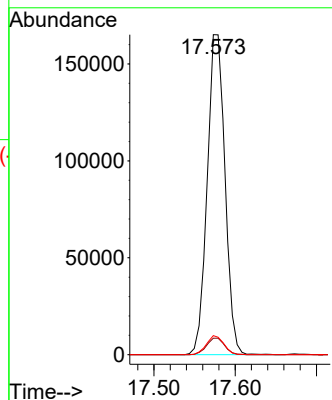
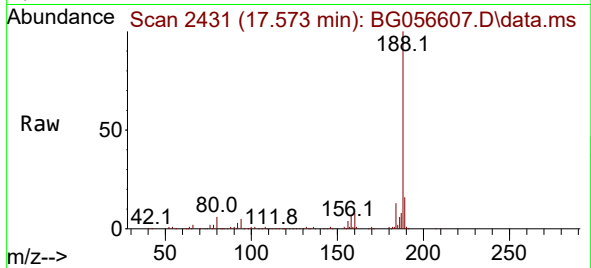




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.573 min Scan# 2443  
Delta R.T. -0.011 min  
Lab File: BG056607.D  
Acq: 10 Feb 2023 15:55

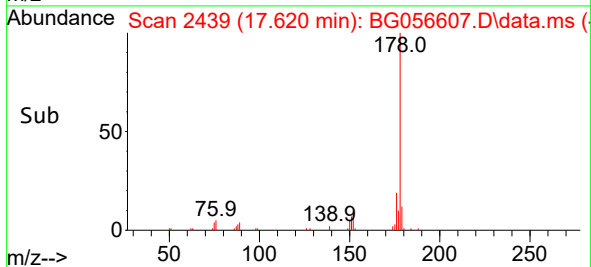
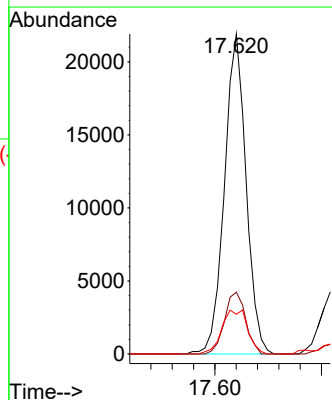
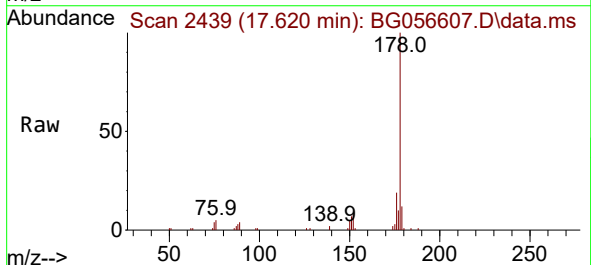
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

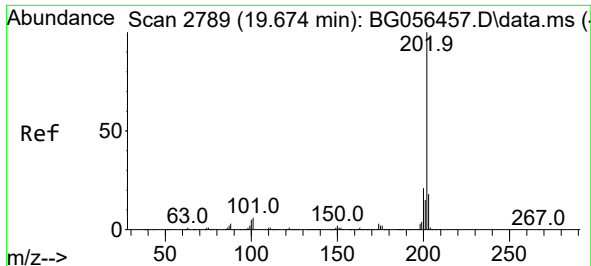
Tgt Ion:188 Resp: 250744  
Ion Ratio Lower Upper  
188 100  
94 5.2 4.1 6.1  
80 5.9 5.0 7.4



#71  
Phenanthrene  
Concen: 2.350 ng  
RT: 17.620 min Scan# 2439  
Delta R.T. -0.006 min  
Lab File: BG056607.D  
Acq: 10 Feb 2023 15:55

Tgt Ion:178 Resp: 30842  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.6 23.4  
179 12.4 13.3 19.9#

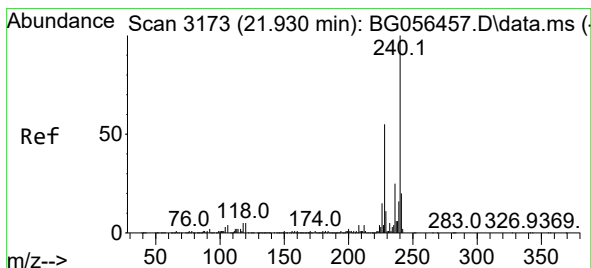
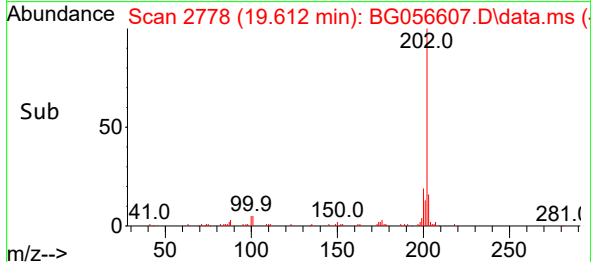
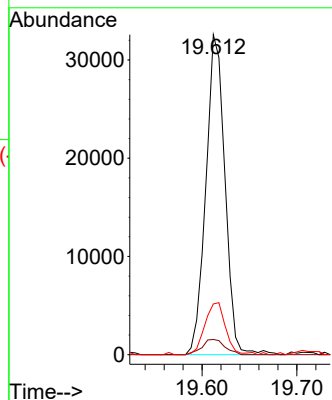
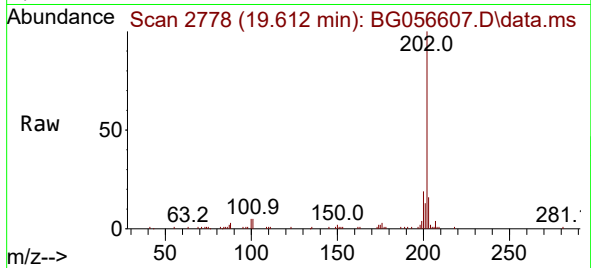




#75  
Fluoranthene  
Concen: 2.750 ng  
RT: 19.612 min Scan# 21  
Delta R.T. -0.011 min  
Lab File: BG056607.D  
Acq: 10 Feb 2023 15:55

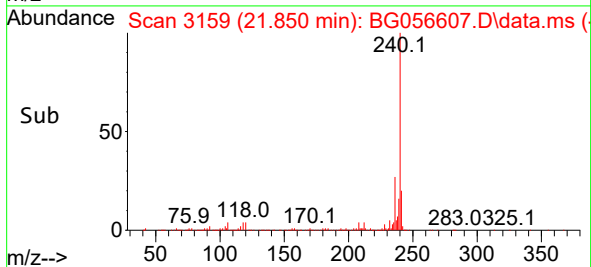
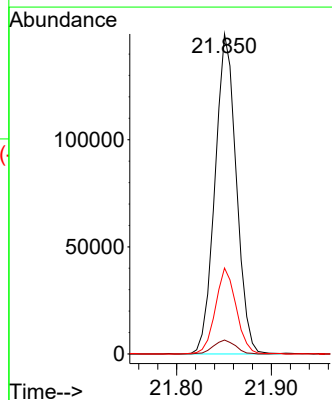
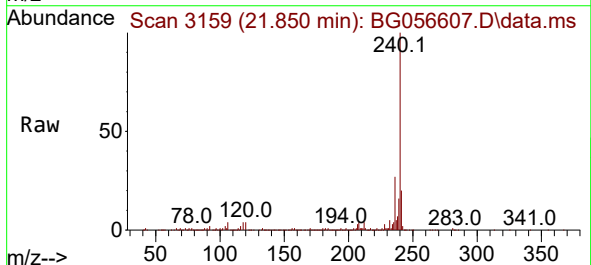
Instrument :  
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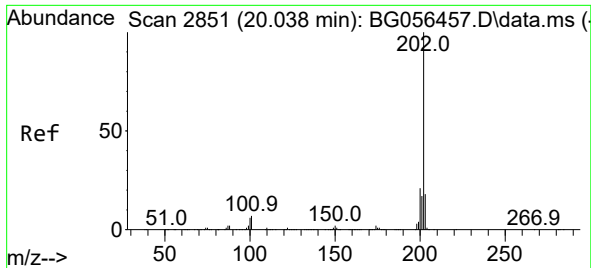
Tgt Ion:202 Resp: 45551  
Ion Ratio Lower Upper  
202 100  
101 4.7 0.0 25.6  
203 15.8 0.0 38.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.850 min Scan# 3159  
Delta R.T. -0.011 min  
Lab File: BG056607.D  
Acq: 10 Feb 2023 15:55

Tgt Ion:240 Resp: 233736  
Ion Ratio Lower Upper  
240 100  
120 4.4 3.8 5.8  
236 26.9 20.2 30.2

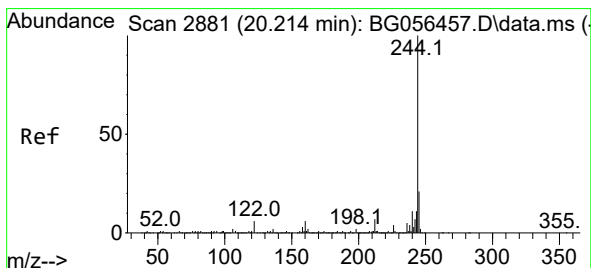
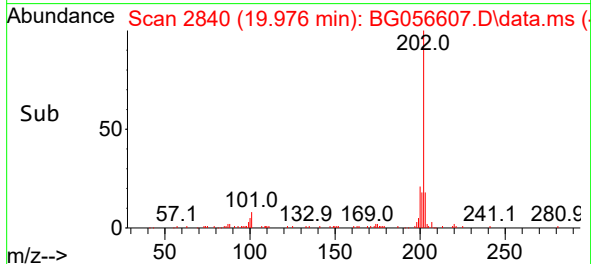
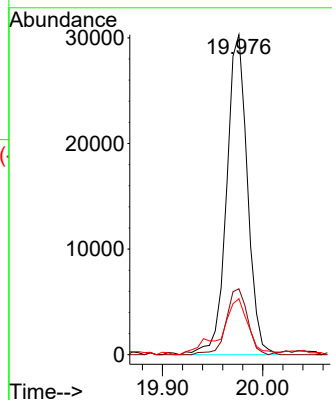
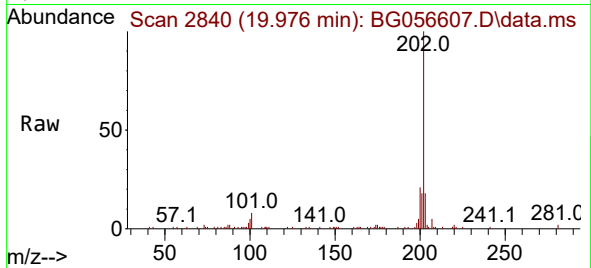




#78  
 Pyrene  
 Concen: 2.628 ng  
 RT: 19.976 min Scan# 2840  
 Delta R.T. -0.006 min  
 Lab File: BG056607.D  
 Acq: 10 Feb 2023 15:55

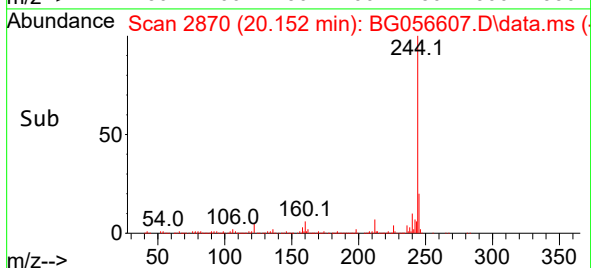
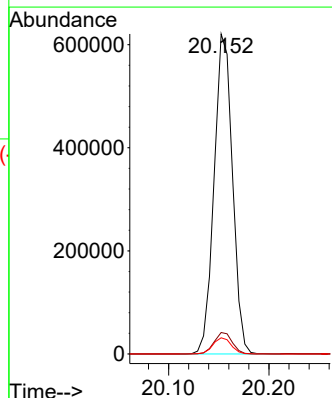
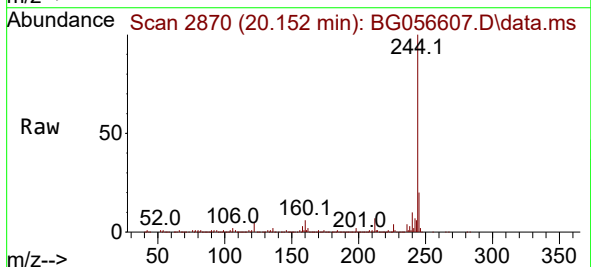
Instrument :  
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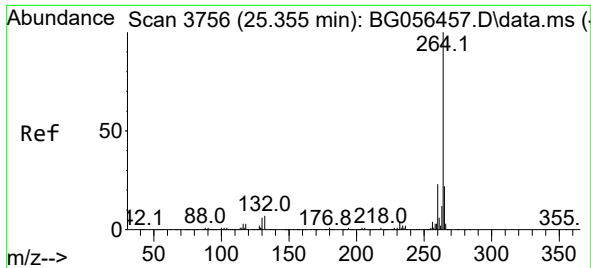
Tgt Ion:202 Resp: 43680  
 Ion Ratio Lower Upper  
 202 100  
 200 20.6 16.7 25.1  
 203 17.5 14.4 21.6



#79  
 Terphenyl-d14  
 Concen: 59.305 ng  
 RT: 20.152 min Scan# 2870  
 Delta R.T. -0.006 min  
 Lab File: BG056607.D  
 Acq: 10 Feb 2023 15:55

Tgt Ion:244 Resp: 789227  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.5 8.3  
 122 5.0 4.4 6.6





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.223 min Scan# 31  
Delta R.T. -0.011 min  
Lab File: BG056607.D  
Acq: 10 Feb 2023 15:55

Instrument :  
BNA\_G  
ClientSampleId :  
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Tgt Ion:264 Resp: 256809  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.4  | 18.2  | 27.4  |
| 265 | 21.6  | 18.1  | 27.1  |

