

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG053123\  
 Data File : BG057629.D  
 Acq On : 31 May 2023 20:06  
 Operator : CG/JU  
 Sample : 02981-05  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-4

Quant Time: Jun 01 03:57:21 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG052723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 01 03:51:58 2023  
 Response via : Initial Calibration

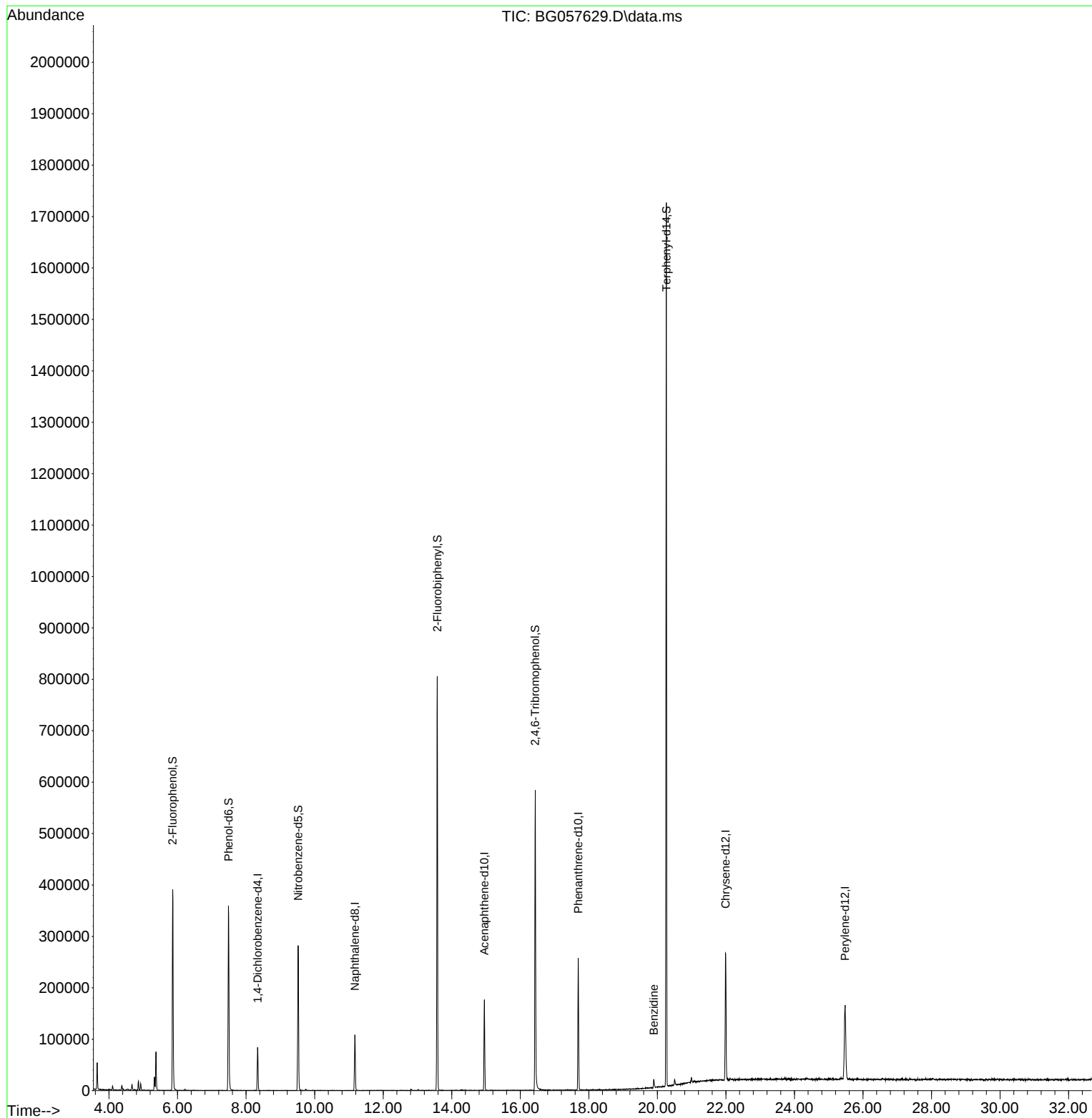
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.337  | 152  | 24837    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.175 | 136  | 94398    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.952 | 164  | 65543    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.689 | 188  | 172395   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.990 | 240  | 166829   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12            | 25.479 | 264  | 174953   | 20.000  | ng    | -0.02    |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.858  | 112  | 183475   | 128.338 | ng    | 0.00     |
| 7) Phenol-d6                | 7.486  | 99   | 232185   | 103.777 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.518  | 82   | 185076   | 91.650  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.438 | 330  | 131841   | 125.639 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.577 | 172  | 428611   | 93.979  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.262 | 244  | 891229   | 92.538  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 77) Benzidine               | 19.898 | 184  | 14921    | 2.956   | ng    | 99       |
| -----                       |        |      |          |         |       |          |

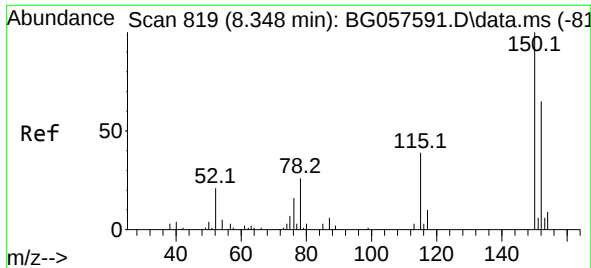
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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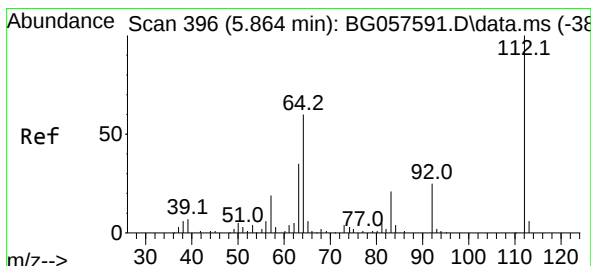
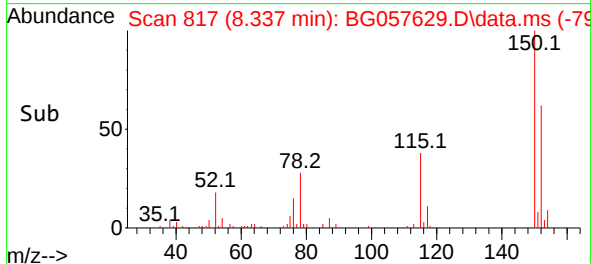
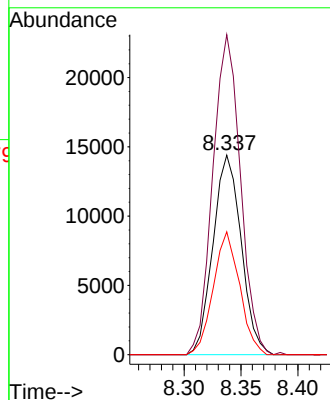
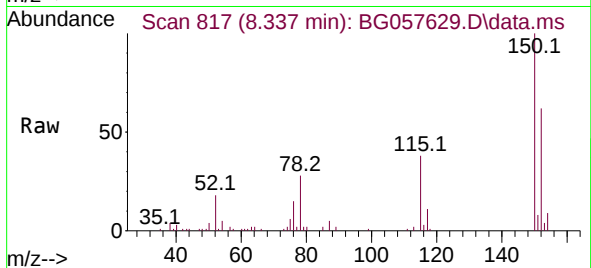




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.337 min Scan# 819  
Delta R.T. 0.003 min  
Lab File: BG057629.D  
Acq: 31 May 2023 20:06

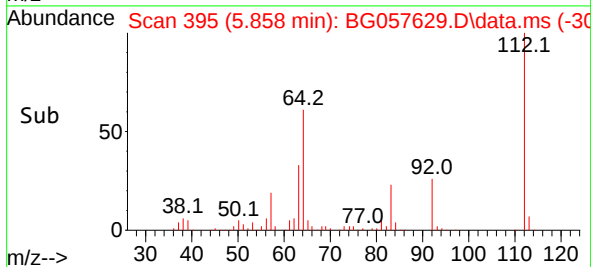
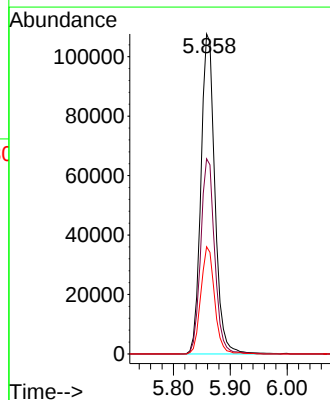
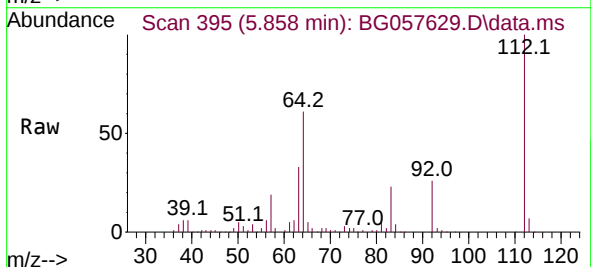
Instrument :  
BNA\_G  
ClientSampleId :  
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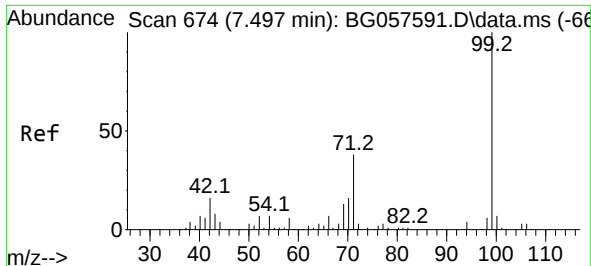
Tgt Ion:152 Resp: 24837  
Ion Ratio Lower Upper  
152 100  
150 160.4 123.0 184.4  
115 61.6 47.4 71.2



#5  
2-Fluorophenol  
Concen: 128.338 ng  
RT: 5.858 min Scan# 395  
Delta R.T. 0.004 min  
Lab File: BG057629.D  
Acq: 31 May 2023 20:06

Tgt Ion:112 Resp: 183475  
Ion Ratio Lower Upper  
112 100  
64 61.0 47.8 71.6  
63 33.5 27.8 41.8

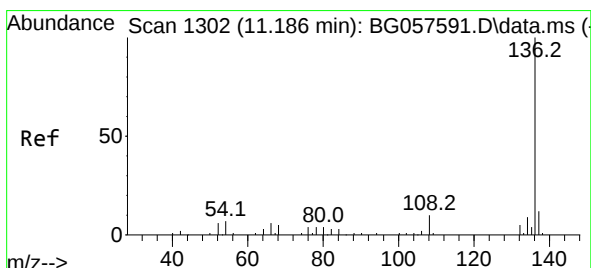
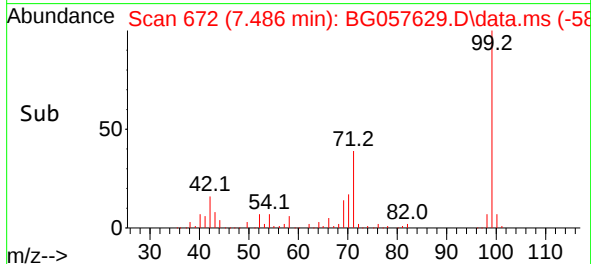
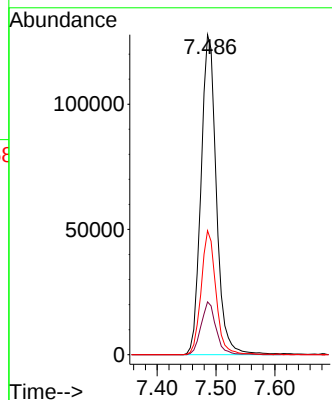
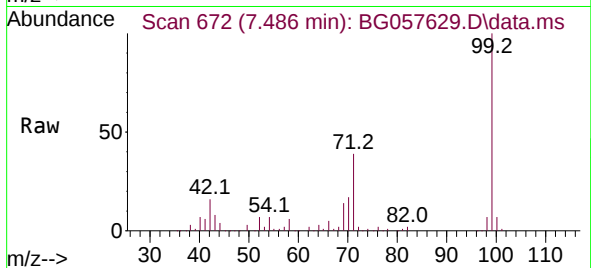




#7  
Phenol-d6  
Concen: 103.777 ng  
RT: 7.486 min Scan# 61  
Delta R.T. -0.002 min  
Lab File: BG057629.D  
Acq: 31 May 2023 20:06

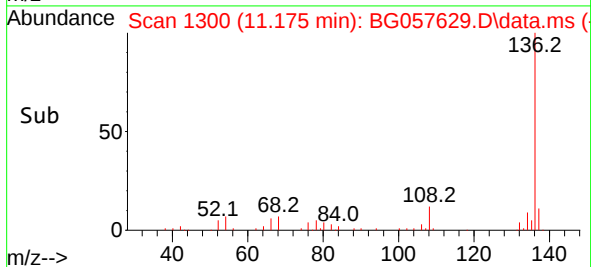
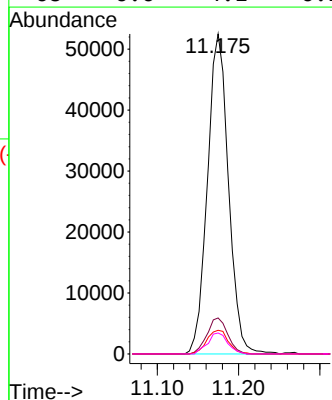
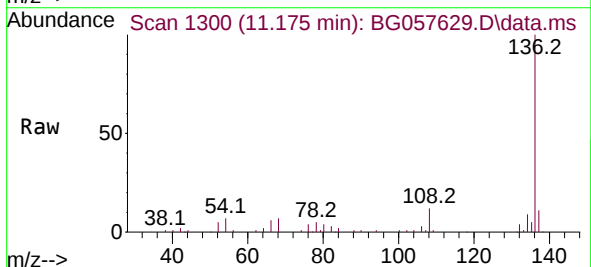
Instrument :  
BNA\_G  
ClientSampleId :  
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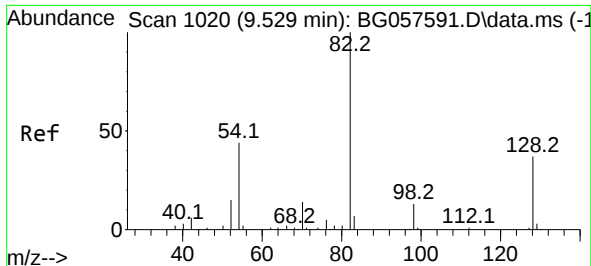
Tgt Ion: 99 Resp: 232185  
Ion Ratio Lower Upper  
99 100  
42 16.5 12.8 19.2  
71 38.7 30.3 45.5



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.175 min Scan# 1300  
Delta R.T. -0.002 min  
Lab File: BG057629.D  
Acq: 31 May 2023 20:06

Tgt Ion:136 Resp: 94398  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.8 14.8  
54 7.4 5.8 8.6  
68 6.6 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 91.650 ng

RT: 9.518 min Scan# 1018

Delta R.T. -0.002 min

Lab File: BG057629.D

Acq: 31 May 2023 20:06

Instrument :

BNA\_G

ClientSampleId :

TP-4

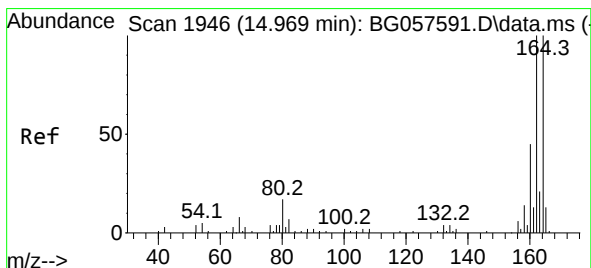
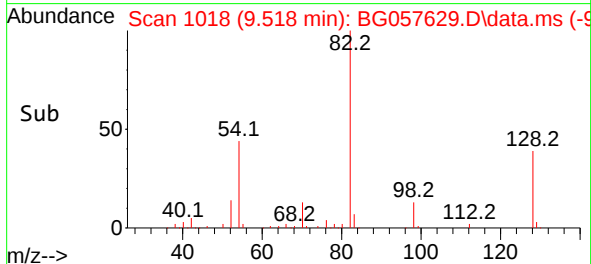
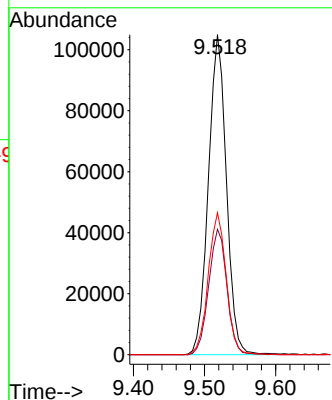
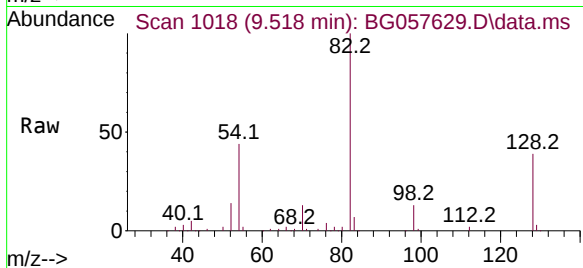
Tgt Ion: 82 Resp: 185076

Ion Ratio Lower Upper

82 100

128 39.2 30.0 45.0

54 44.3 35.2 52.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.952 min Scan# 1943

Delta R.T. -0.008 min

Lab File: BG057629.D

Acq: 31 May 2023 20:06

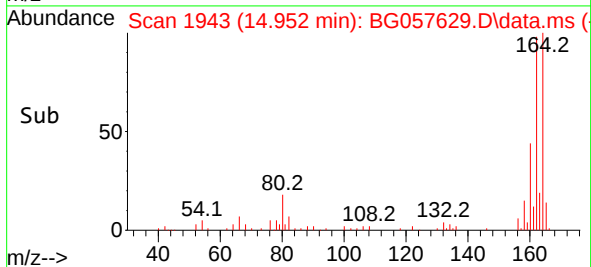
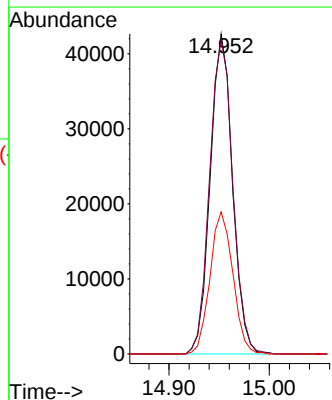
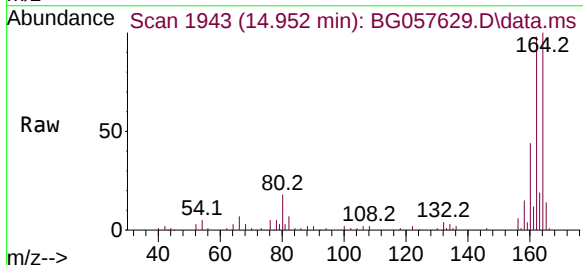
Tgt Ion:164 Resp: 65543

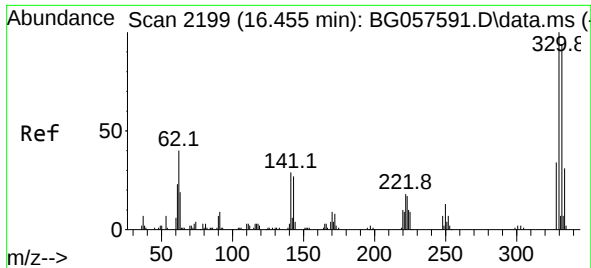
Ion Ratio Lower Upper

164 100

162 98.1 80.1 120.1

160 44.4 35.9 53.9

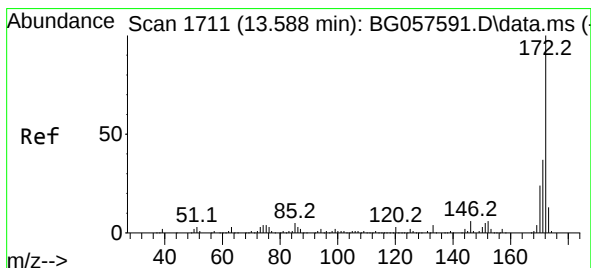
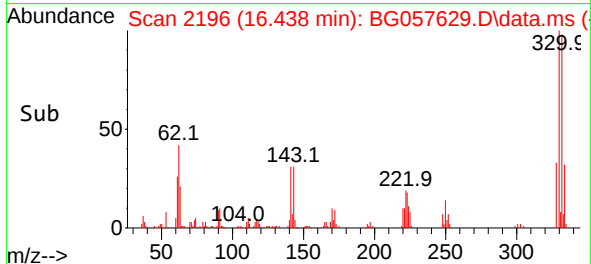
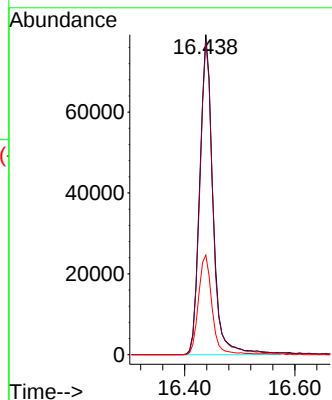
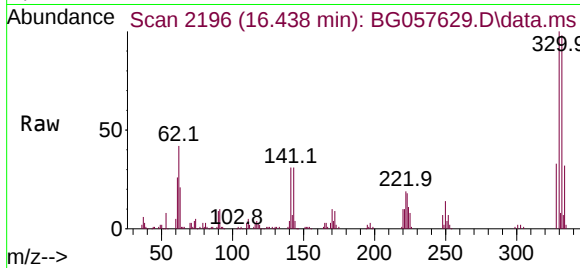




#42  
2,4,6-Tribromophenol  
Concen: 125.639 ng  
RT: 16.438 min Scan# 2199  
Delta R.T. -0.008 min  
Lab File: BG057629.D  
Acq: 31 May 2023 20:06

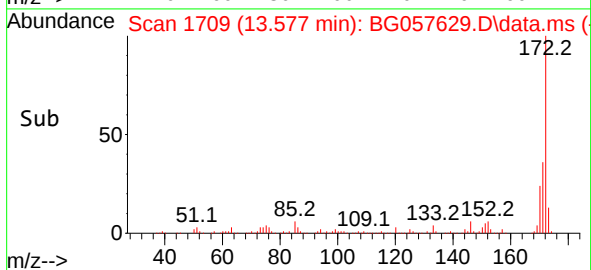
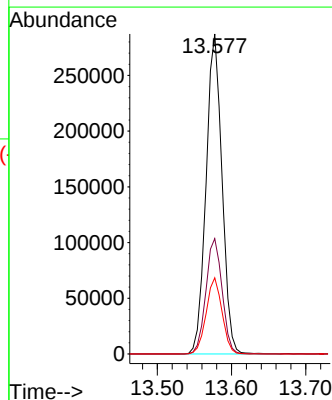
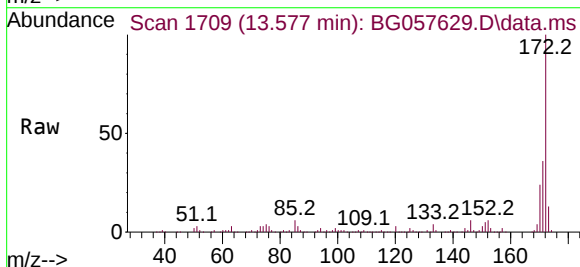
Instrument :  
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ClientSampleId :  
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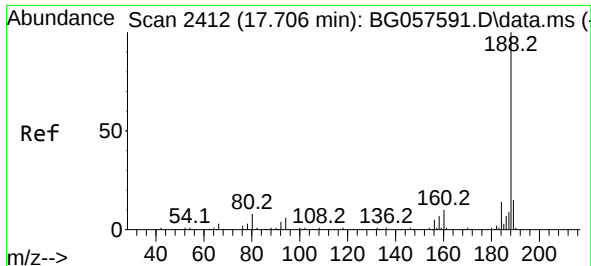
Tgt Ion:330 Resp: 131841  
Ion Ratio Lower Upper  
330 100  
332 97.6 77.3 115.9  
141 31.8 24.6 37.0



#45  
2-Fluorobiphenyl  
Concen: 93.979 ng  
RT: 13.577 min Scan# 1709  
Delta R.T. -0.002 min  
Lab File: BG057629.D  
Acq: 31 May 2023 20:06

Tgt Ion:172 Resp: 428611  
Ion Ratio Lower Upper  
172 100  
171 36.1 29.2 43.8  
170 23.8 19.0 28.4

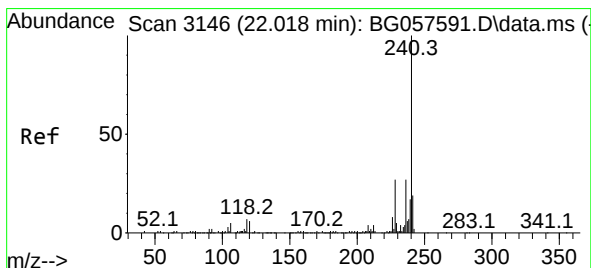
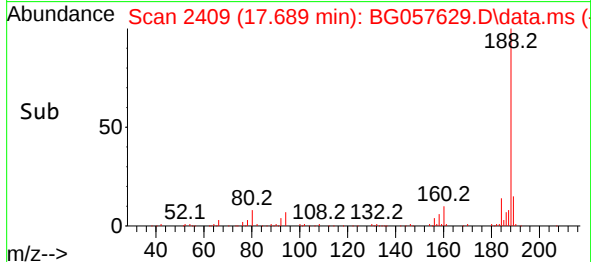
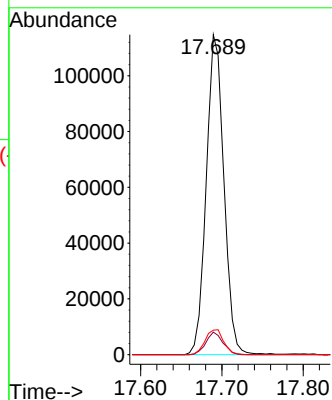
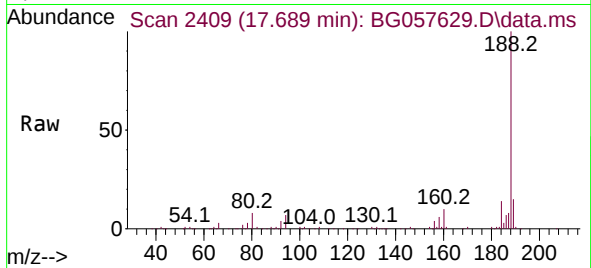




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.689 min Scan# 2412  
Delta R.T. -0.008 min  
Lab File: BG057629.D  
Acq: 31 May 2023 20:06

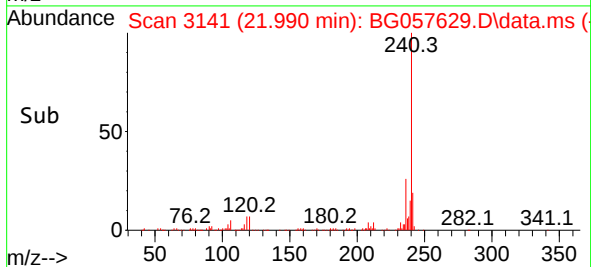
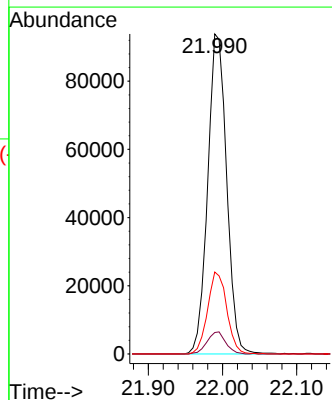
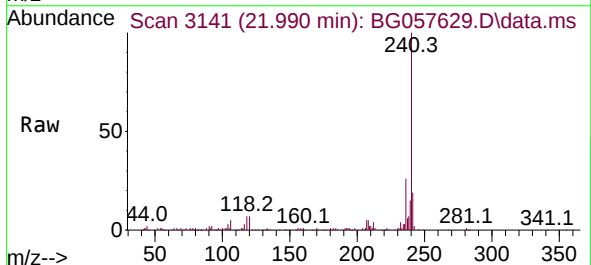
Instrument :  
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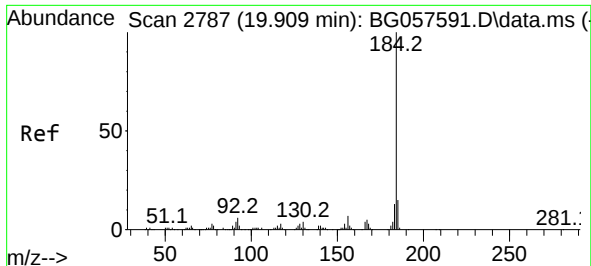
Tgt Ion:188 Resp: 172395  
Ion Ratio Lower Upper  
188 100  
94 7.1 5.2 7.8  
80 7.6 6.7 10.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.990 min Scan# 3141  
Delta R.T. -0.014 min  
Lab File: BG057629.D  
Acq: 31 May 2023 20:06

Tgt Ion:240 Resp: 166829  
Ion Ratio Lower Upper  
240 100  
120 6.7 5.2 7.8  
236 25.6 21.4 32.0

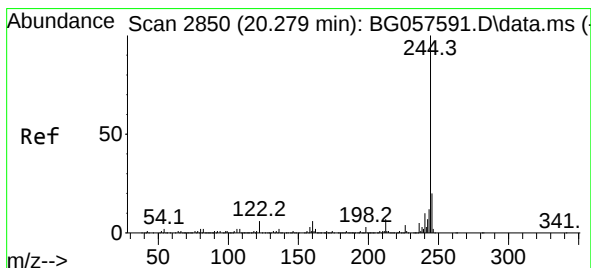
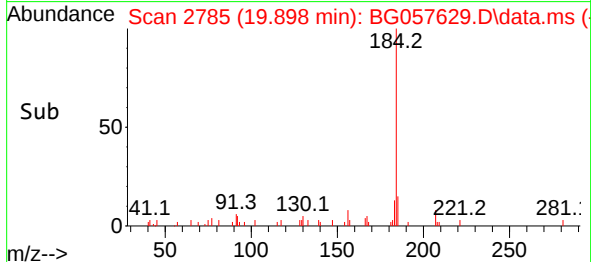
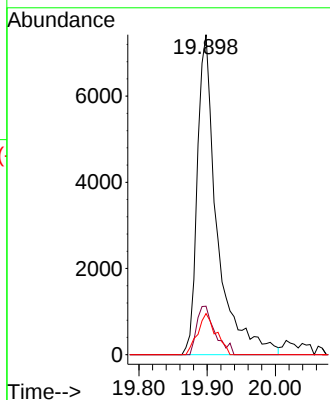
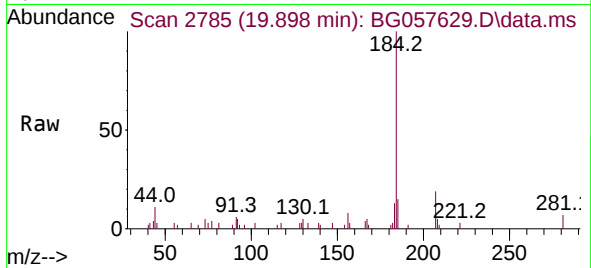




#77  
Benzidine  
Concen: 2.956 ng  
RT: 19.898 min Scan# 21  
Delta R.T. 0.004 min  
Lab File: BG057629.D  
Acq: 31 May 2023 20:06

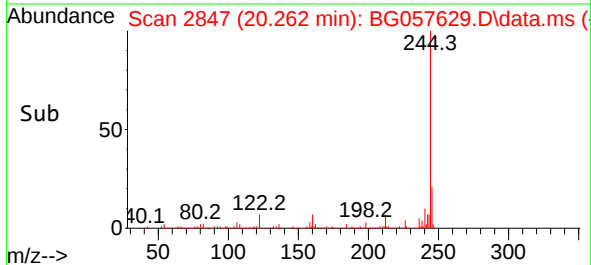
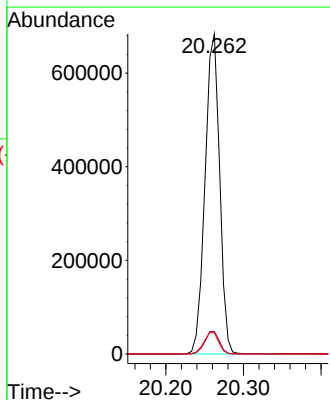
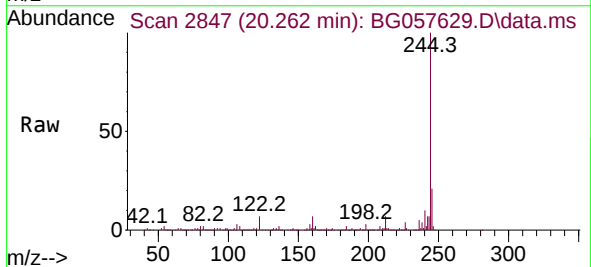
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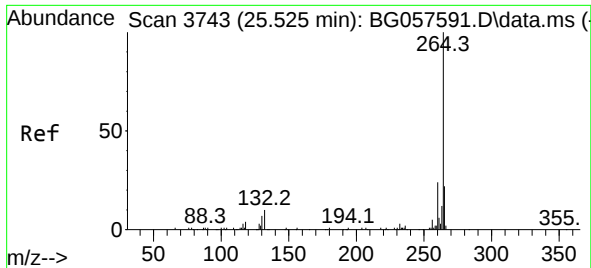
Tgt Ion:184 Resp: 14921  
Ion Ratio Lower Upper  
184 100  
185 15.1 12.0 18.0  
183 12.9 10.0 15.0



#79  
Terphenyl-d14  
Concen: 92.538 ng  
RT: 20.262 min Scan# 2847  
Delta R.T. -0.002 min  
Lab File: BG057629.D  
Acq: 31 May 2023 20:06

Tgt Ion:244 Resp: 891229  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.6 8.4  
122 6.5 4.8 7.2





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.479 min Scan# 31  
Delta R.T. -0.020 min  
Lab File: BG057629.D  
Acq: 31 May 2023 20:06

Instrument :  
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ClientSampleId :  
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Tgt Ion:264 Resp: 174953  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 21.3  | 19.1  | 28.7  |
| 265 | 21.9  | 17.7  | 26.5  |

