

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG012425\  
 Data File : BG063962.D  
 Acq On : 24 Jan 2025 18:10  
 Operator : RC/JU  
 Sample : PB166216BL  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB166216BL

Quant Time: Jan 27 15:17:45 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 27 15:15:32 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.952  | 152  | 58185    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.743 | 136  | 239580   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.568 | 164  | 153022   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.312 | 188  | 375212   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.554 | 240  | 495640   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12            | 24.650 | 264  | 502172   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.538  | 112  | 550066   | 130.444 | ng    | 0.00     |
| 7) Phenol-d6                | 7.112  | 99   | 706000   | 123.957 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.104  | 82   | 378338   | 94.057  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.055 | 330  | 226086   | 144.645 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.199 | 172  | 904982   | 83.582  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.932 | 244  | 2140756  | 86.315  | ng    | 0.00     |

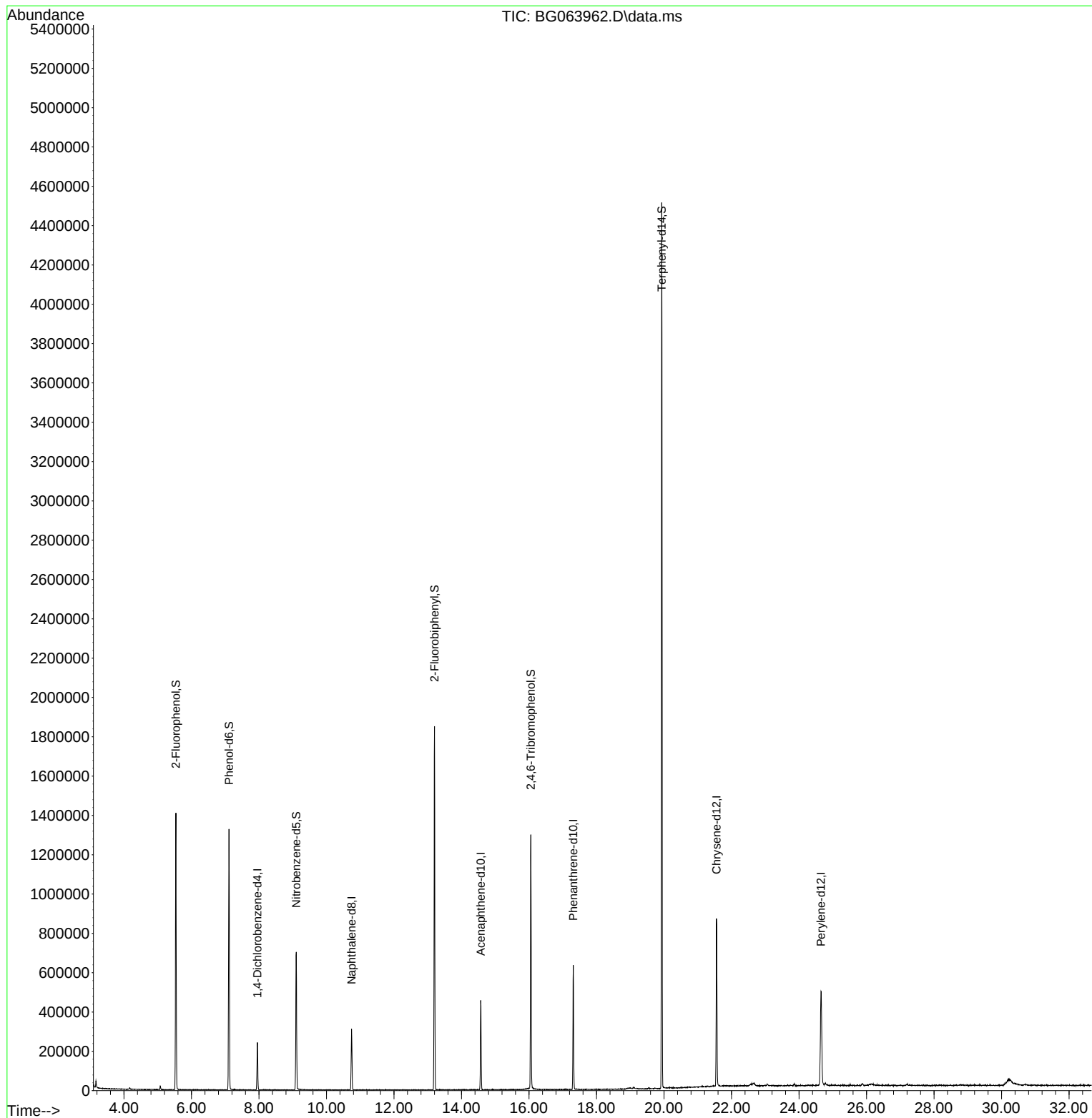
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

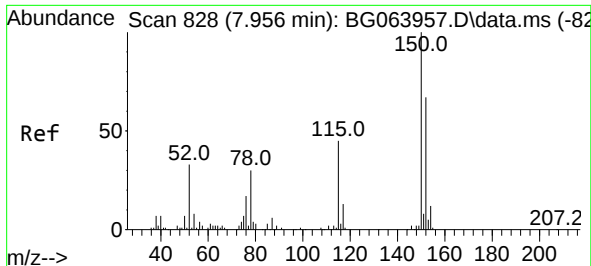
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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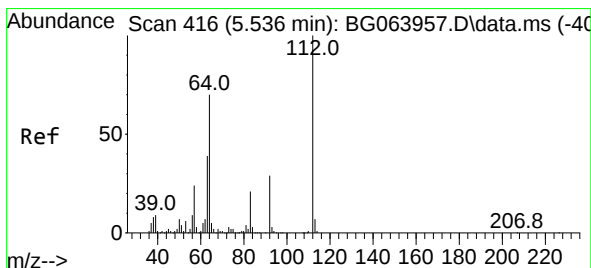
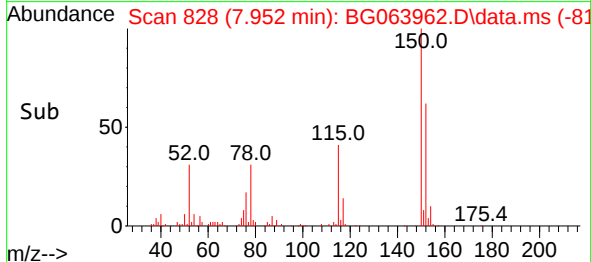
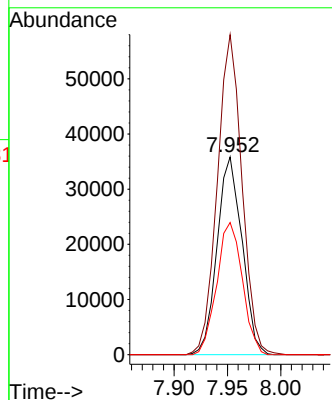
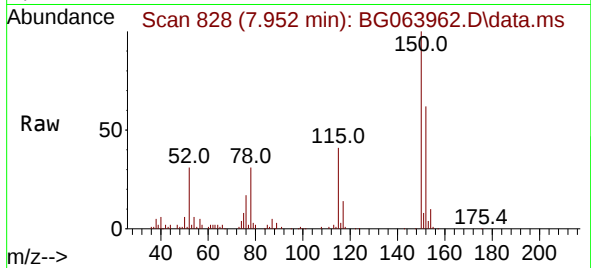




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.952 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BG063962.D  
Acq: 24 Jan 2025 18:10

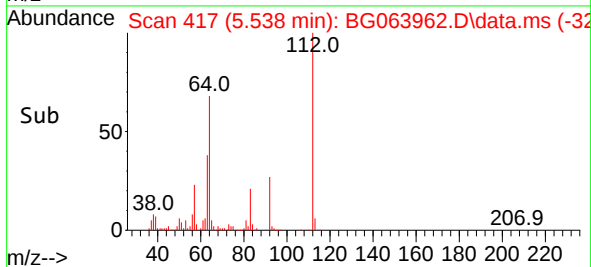
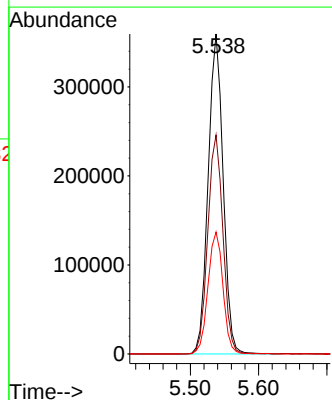
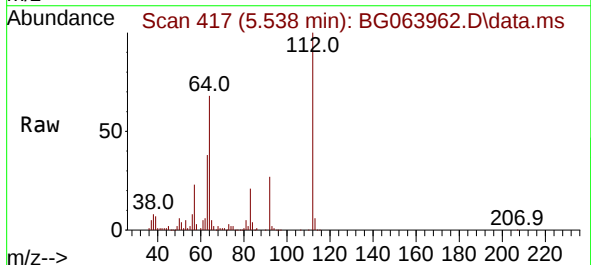
Instrument :  
BNA\_G  
ClientSampleId :  
PB166216BL

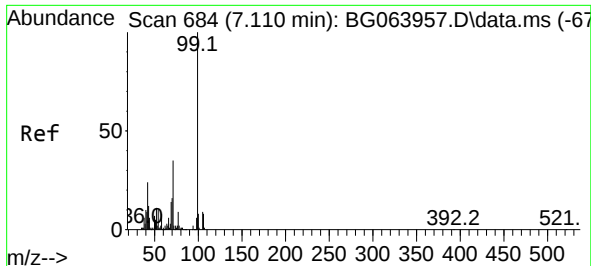
Tgt Ion:152 Resp: 58185  
Ion Ratio Lower Upper  
152 100  
150 161.9 119.4 179.0  
115 66.8 53.4 80.0



#5  
2-Fluorophenol  
Concen: 130.444 ng  
RT: 5.538 min Scan# 417  
Delta R.T. -0.005 min  
Lab File: BG063962.D  
Acq: 24 Jan 2025 18:10

Tgt Ion:112 Resp: 550066  
Ion Ratio Lower Upper  
112 100  
64 68.4 56.2 84.4  
63 38.1 31.5 47.3

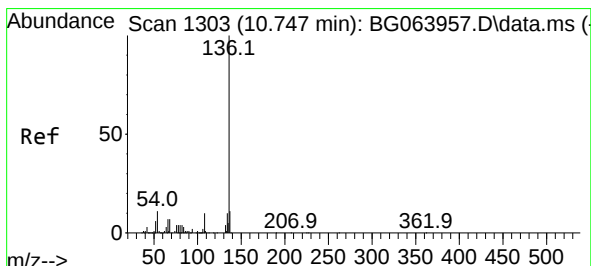
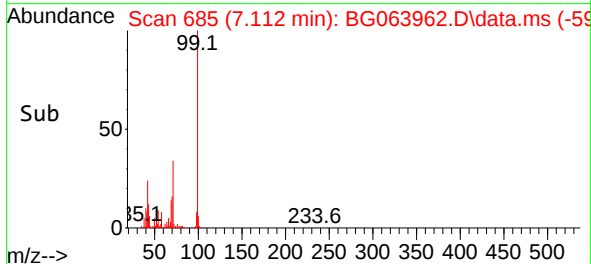
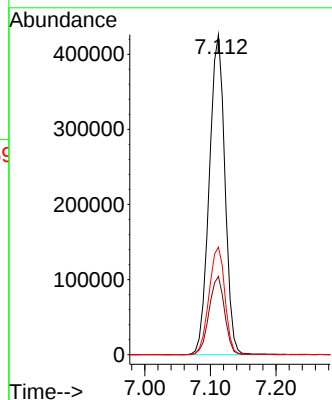
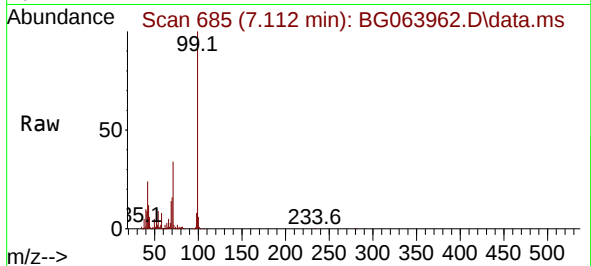




#7  
Phenol-d6  
Concen: 123.957 ng  
RT: 7.112 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BG063962.D  
Acq: 24 Jan 2025 18:10

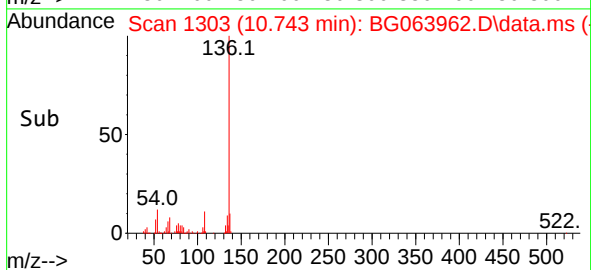
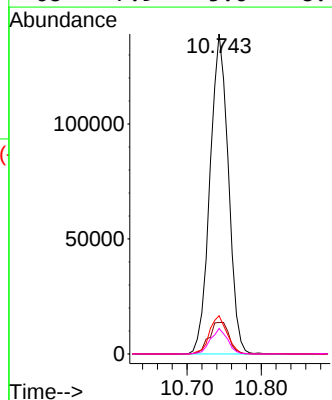
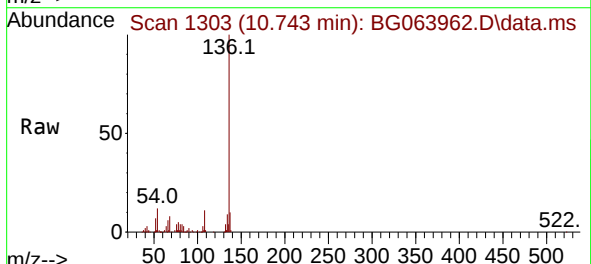
Instrument :  
BNA\_G  
ClientSampleId :  
PB166216BL

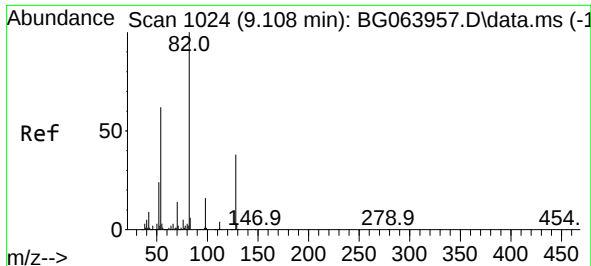
Tgt Ion: 99 Resp: 706000  
Ion Ratio Lower Upper  
99 100  
42 24.4 19.3 28.9  
71 33.6 28.4 42.6



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.743 min Scan# 1303  
Delta R.T. -0.006 min  
Lab File: BG063962.D  
Acq: 24 Jan 2025 18:10

Tgt Ion:136 Resp: 239580  
Ion Ratio Lower Upper  
136 100  
137 9.8 8.4 12.6  
54 11.9 9.0 13.4  
68 7.9 5.6 8.4

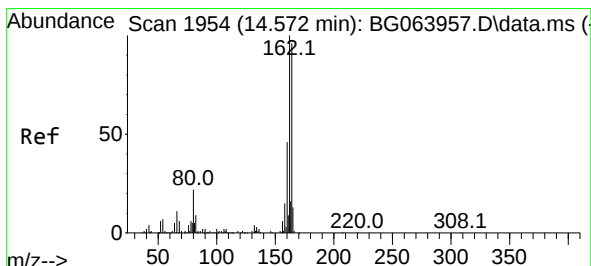
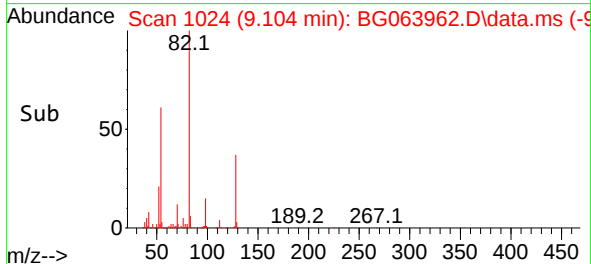
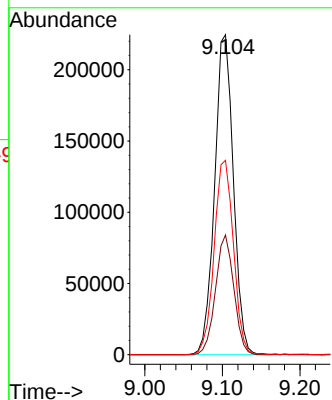
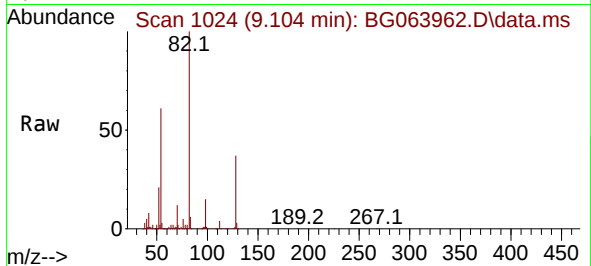




#23  
Nitrobenzene-d5  
Concen: 94.057 ng  
RT: 9.104 min Scan# 1024  
Delta R.T. -0.011 min  
Lab File: BG063962.D  
Acq: 24 Jan 2025 18:10

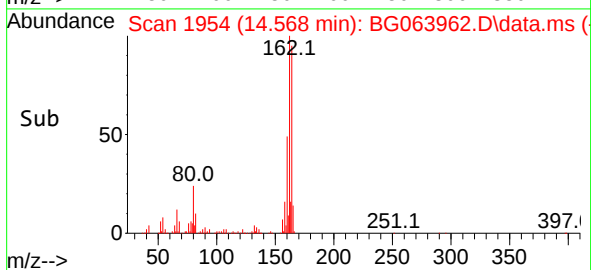
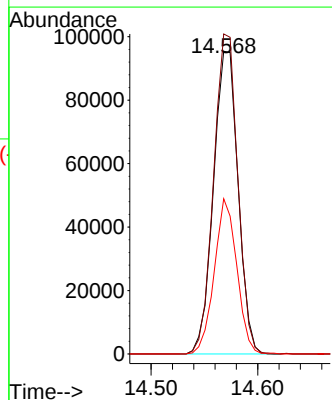
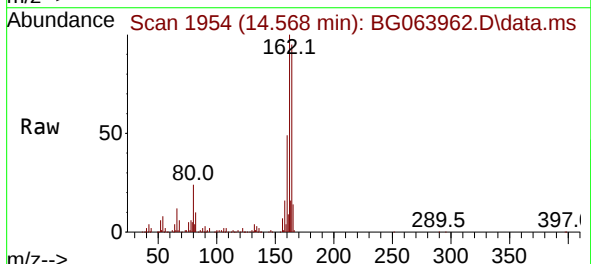
Instrument :  
BNA\_G  
ClientSampleId :  
PB166216BL

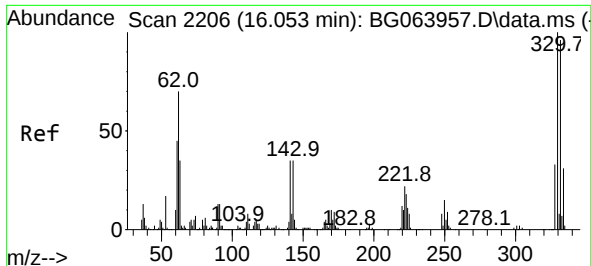
Tgt Ion: 82 Resp: 378338  
Ion Ratio Lower Upper  
82 100  
128 37.4 30.6 45.8  
54 60.8 49.0 73.6



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.568 min Scan# 1954  
Delta R.T. -0.006 min  
Lab File: BG063962.D  
Acq: 24 Jan 2025 18:10

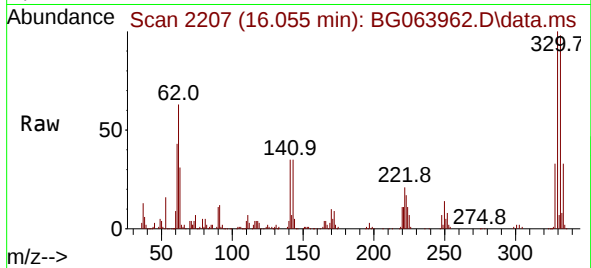
Tgt Ion:164 Resp: 153022  
Ion Ratio Lower Upper  
164 100  
162 105.7 83.8 125.6  
160 51.3 38.2 57.2



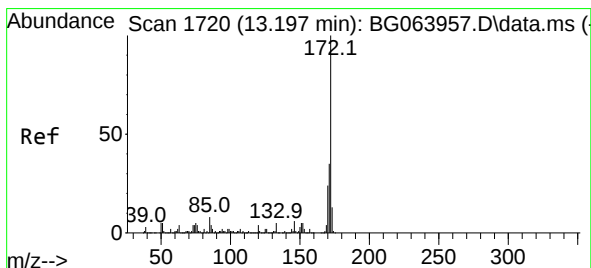
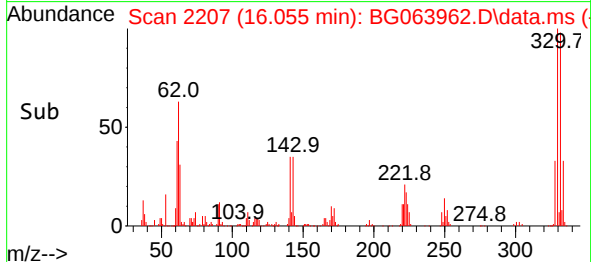
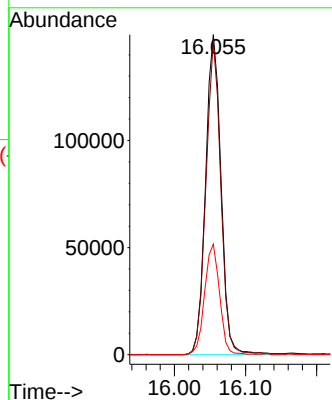


#42  
2,4,6-Tribromophenol  
Concen: 144.645 ng  
RT: 16.055 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BG063962.D  
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ClientSampleId :  
PB166216BL

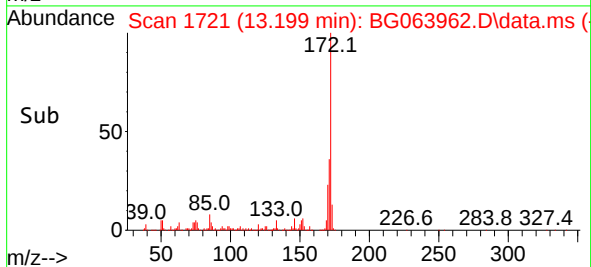
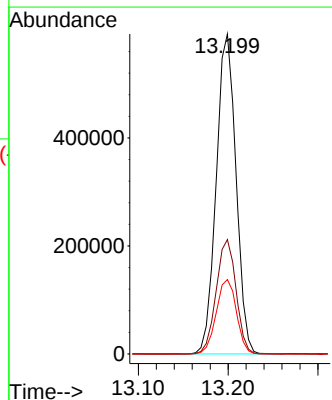
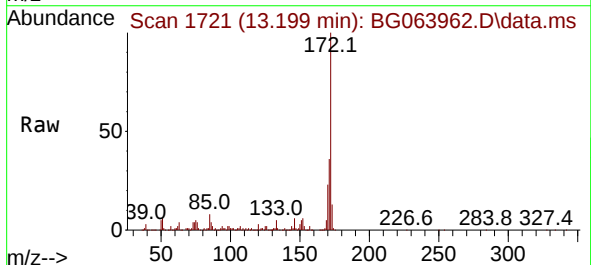


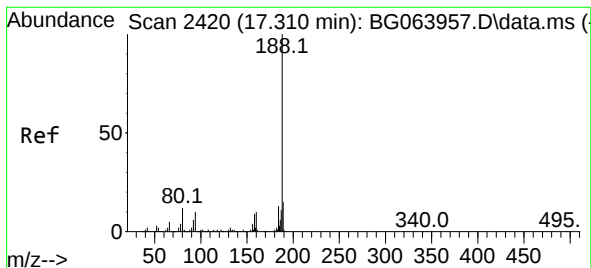
Tgt Ion:330 Resp: 226086  
Ion Ratio Lower Upper  
330 100  
332 95.1 79.4 119.0  
141 33.6 27.4 41.2



#45  
2-Fluorobiphenyl  
Concen: 83.582 ng  
RT: 13.199 min Scan# 1721  
Delta R.T. -0.006 min  
Lab File: BG063962.D  
Acq: 24 Jan 2025 18:10

Tgt Ion:172 Resp: 904982  
Ion Ratio Lower Upper  
172 100  
171 35.8 27.8 41.8  
170 23.2 19.3 28.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.312 min Scan# 24

Delta R.T. -0.006 min

Lab File: BG063962.D

Acq: 24 Jan 2025 18:10

Instrument :

BNA\_G

ClientSampleId :

PB166216BL

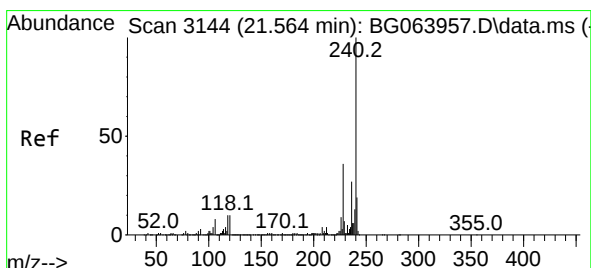
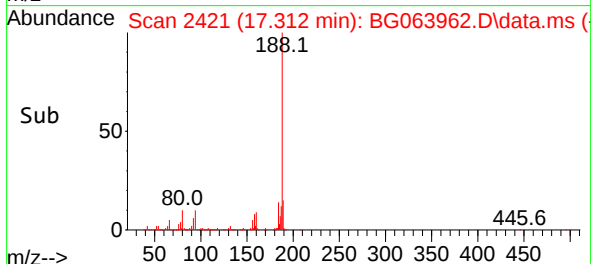
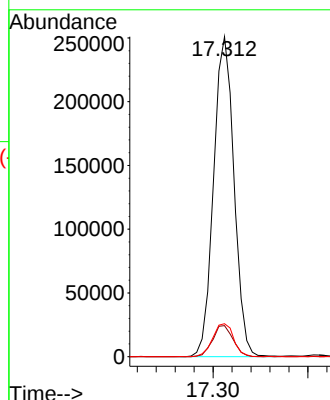
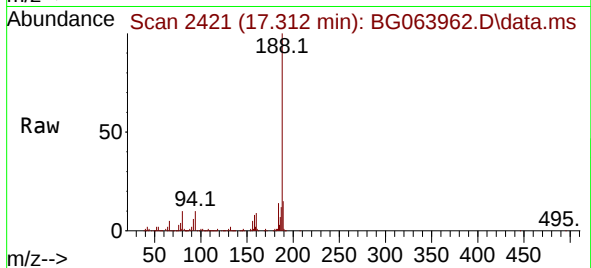
Tgt Ion:188 Resp: 375212

Ion Ratio Lower Upper

188 100

94 9.7 8.4 12.6

80 10.3 9.8 14.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.554 min Scan# 3143

Delta R.T. -0.012 min

Lab File: BG063962.D

Acq: 24 Jan 2025 18:10

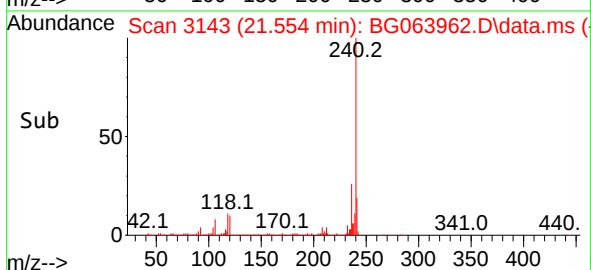
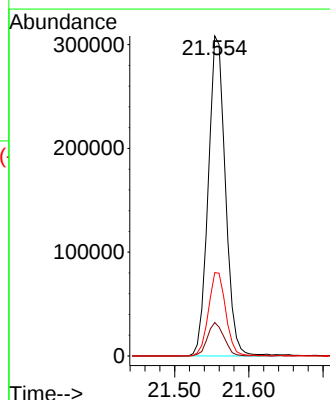
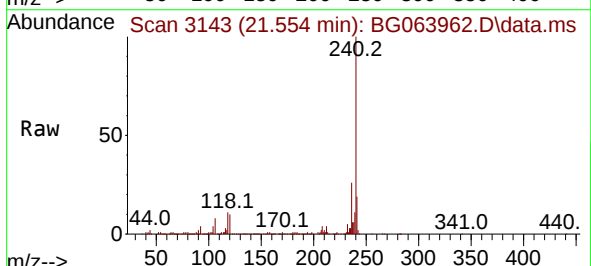
Tgt Ion:240 Resp: 495640

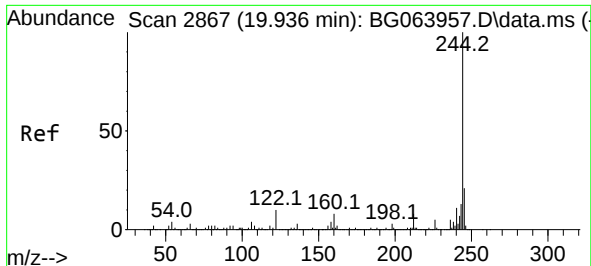
Ion Ratio Lower Upper

240 100

120 10.5 7.8 11.6

236 26.1 21.3 31.9



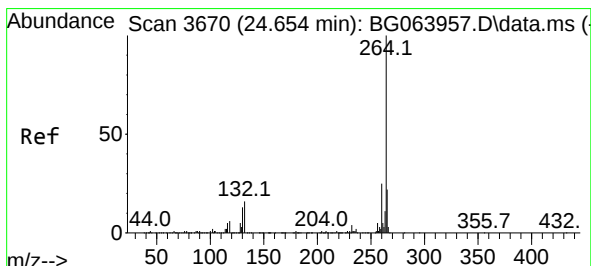
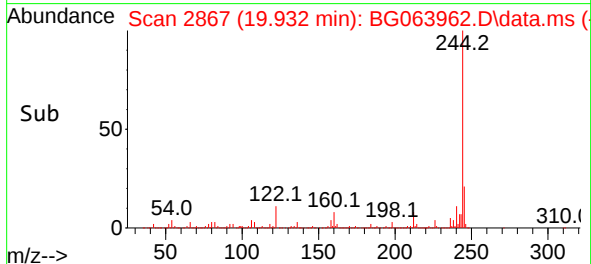
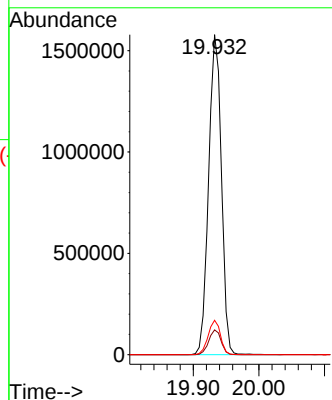
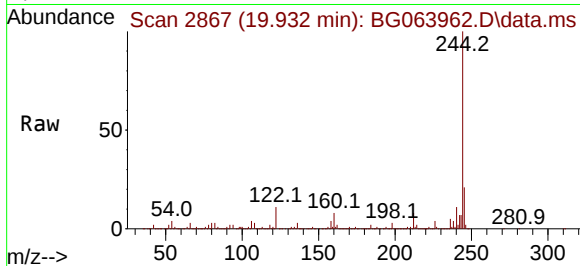


#79  
 Terphenyl-d14  
 Concen: 86.315 ng  
 RT: 19.932 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BG063962.D  
 Acq: 24 Jan 2025 18:10

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB166216BL

Tgt Ion:244 Resp: 2140756  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.8   | 6.0   | 9.0   |
| 122 | 10.8  | 8.2   | 12.4  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.650 min Scan# 3670  
 Delta R.T. -0.006 min  
 Lab File: BG063962.D  
 Acq: 24 Jan 2025 18:10

Tgt Ion:264 Resp: 502172  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.7  | 20.1  | 30.1  |
| 265 | 20.6  | 17.8  | 26.8  |

