

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG101725\  
 Data File : BG064541.D  
 Acq On : 17 Oct 2025 18:32  
 Operator : RC/JU  
 Sample : Q3369-05  
 Misc : 8270/625.1 SPIKE  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MH-21

Quant Time: Oct 17 19:14:07 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 02 16:40:42 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.819  | 152  | 15504    | 20.000 | ng    | # 0.00   |
| 21) Naphthalene-d8          | 10.603 | 136  | 61089    | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.446 | 164  | 42867    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.184 | 188  | 104183   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 21.408 | 240  | 118392   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 24.387 | 264  | 131623   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.410  | 112  | 71275    | 85.080 | ng    | 0.00     |
| 7) Phenol-d6                | 6.996  | 99   | 91741    | 81.490 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.970  | 82   | 65021    | 57.231 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.933 | 330  | 65760    | 84.631 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.065 | 172  | 159154   | 54.726 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.804 | 244  | 321869   | 51.451 | ng    | 0.00     |

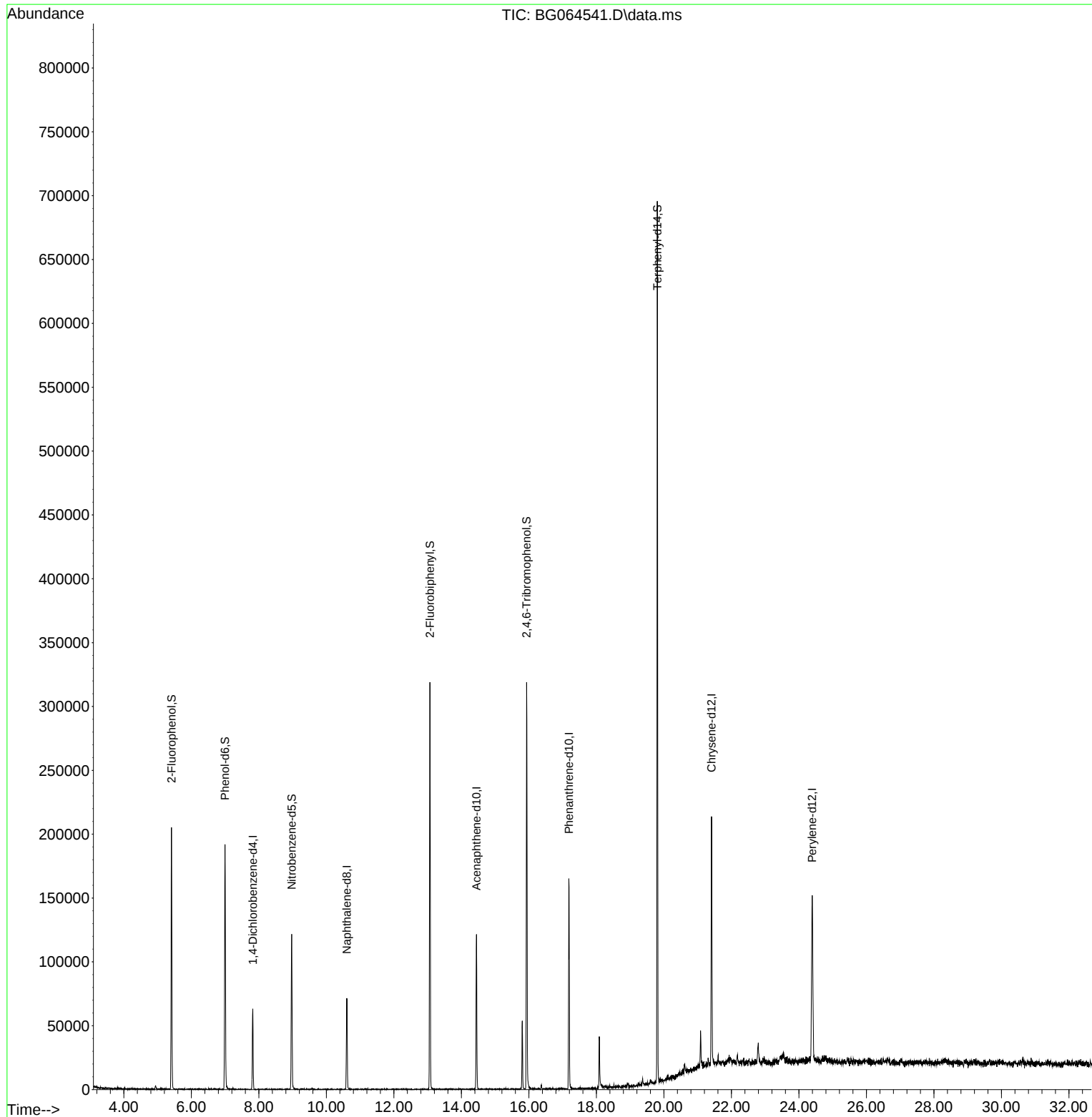
Target Compounds Qvalue

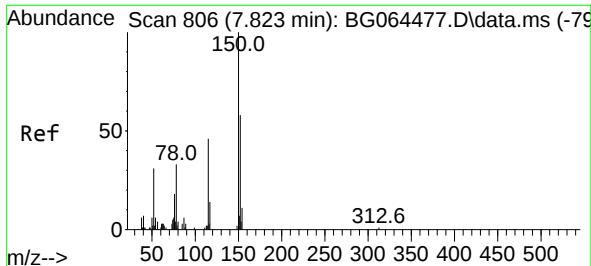
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 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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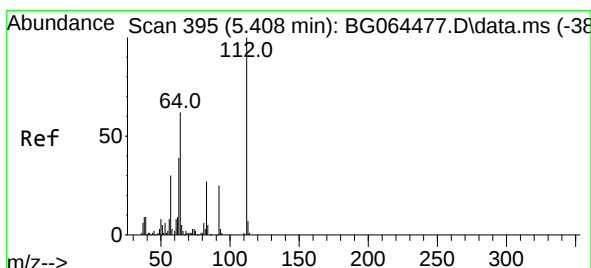
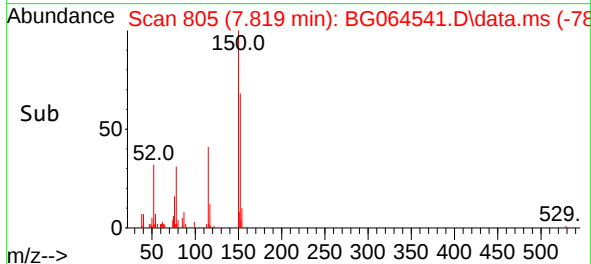
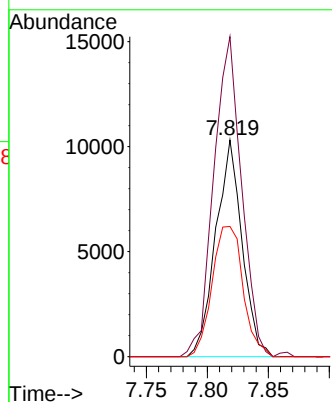
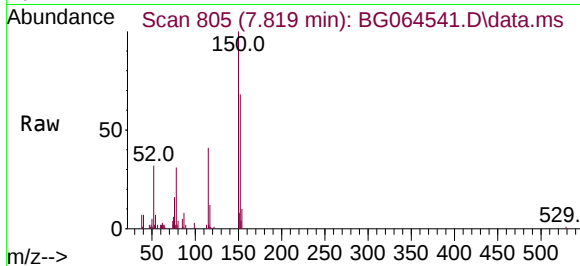




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.819 min Scan# 806  
 Delta R.T. -0.001 min  
 Lab File: BG064541.D  
 Acq: 17 Oct 2025 18:32

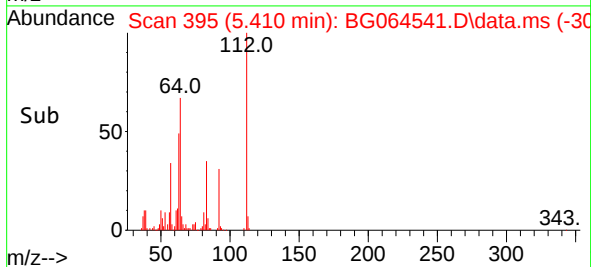
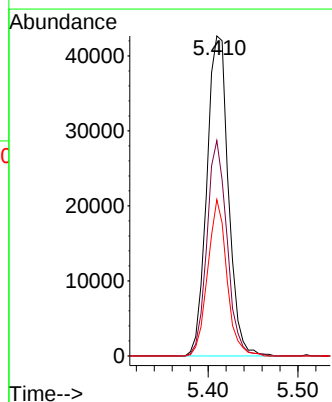
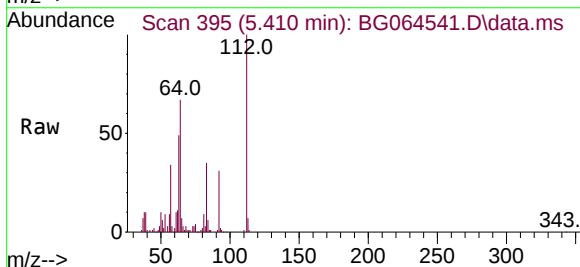
Instrument :  
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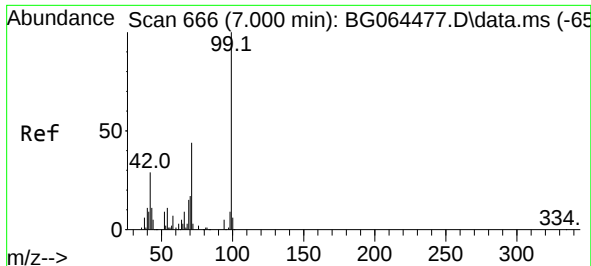
Tgt Ion:152 Resp: 15504  
 Ion Ratio Lower Upper  
 152 100  
 150 147.8 138.6 207.8  
 115 60.1 63.4 95.2#



#5  
 2-Fluorophenol  
 Concen: 85.080 ng  
 RT: 5.410 min Scan# 395  
 Delta R.T. 0.004 min  
 Lab File: BG064541.D  
 Acq: 17 Oct 2025 18:32

Tgt Ion:112 Resp: 71275  
 Ion Ratio Lower Upper  
 112 100  
 64 67.3 49.8 74.8  
 63 48.8 31.3 46.9#

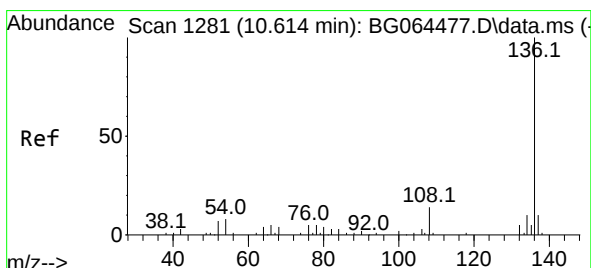
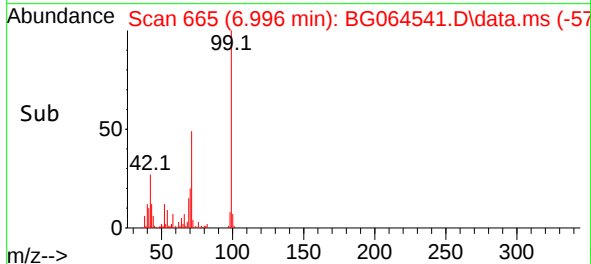
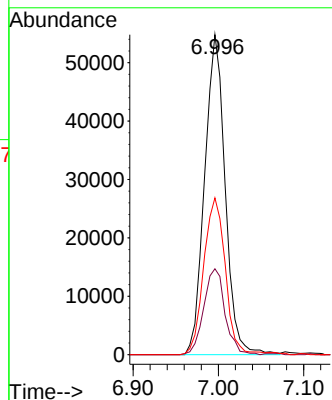
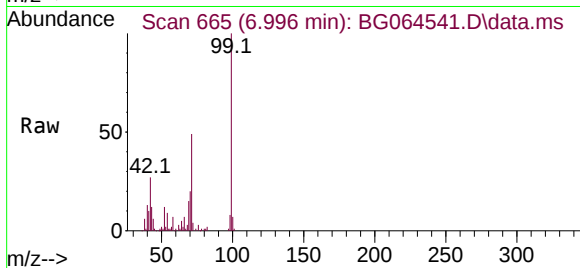




#7  
Phenol-d6  
Concen: 81.490 ng  
RT: 6.996 min Scan# 60  
Delta R.T. 0.010 min  
Lab File: BG064541.D  
Acq: 17 Oct 2025 18:32

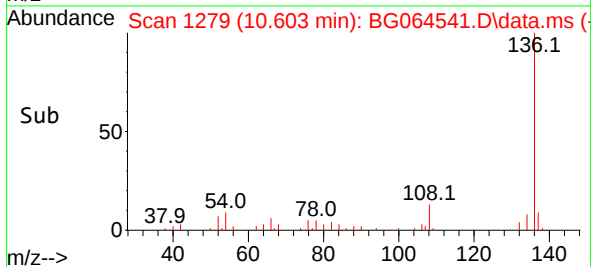
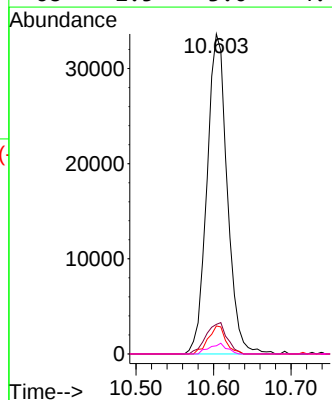
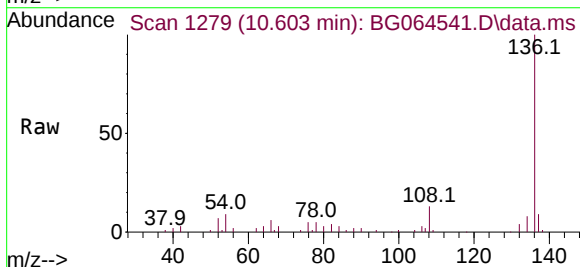
Instrument :  
BNA\_G  
ClientSampleId :  
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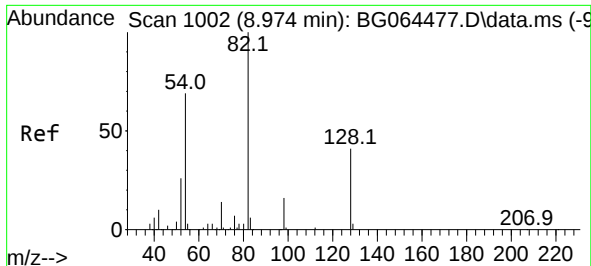
Tgt Ion: 99 Resp: 91741  
Ion Ratio Lower Upper  
99 100  
42 26.8 22.9 34.3  
71 49.0 35.4 53.2



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.603 min Scan# 1279  
Delta R.T. -0.002 min  
Lab File: BG064541.D  
Acq: 17 Oct 2025 18:32

Tgt Ion: 136 Resp: 61089  
Ion Ratio Lower Upper  
136 100  
137 9.2 8.3 12.5  
54 8.7 6.2 9.4  
68 2.5 3.0 4.4#

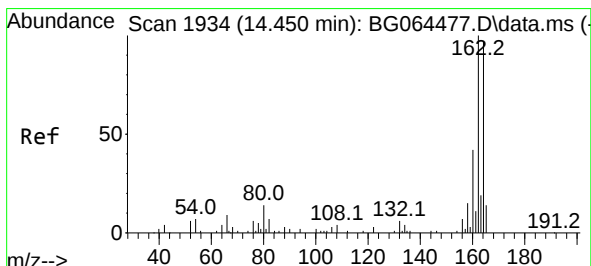
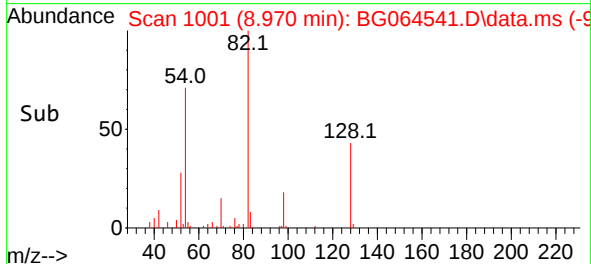
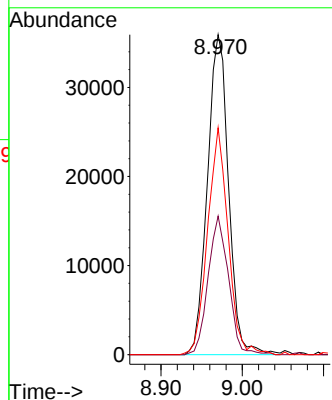
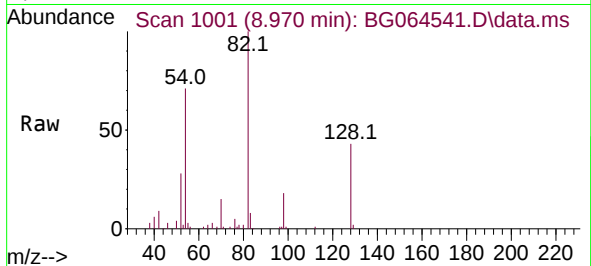




#23  
Nitrobenzene-d5  
Concen: 57.231 ng  
RT: 8.970 min Scan# 1002  
Delta R.T. 0.004 min  
Lab File: BG064541.D  
Acq: 17 Oct 2025 18:32

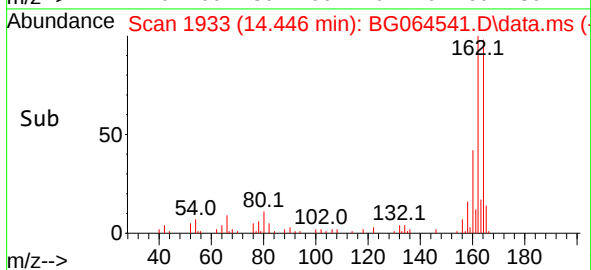
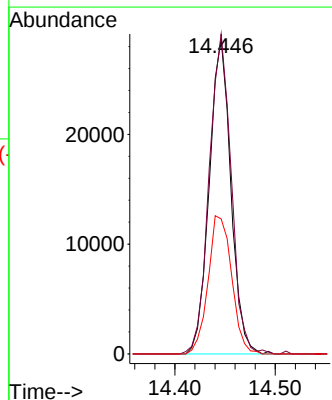
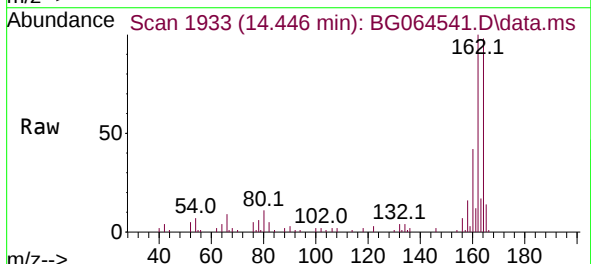
Instrument :  
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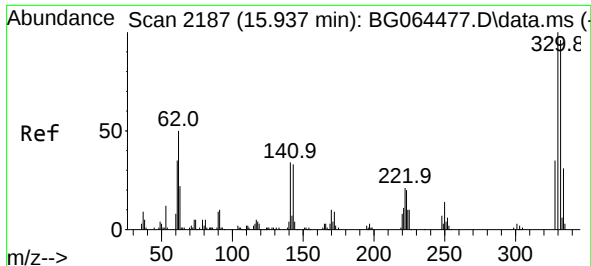
Tgt Ion: 82 Resp: 65021  
Ion Ratio Lower Upper  
82 100  
128 43.3 33.1 49.7  
54 70.9 55.4 83.2



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.446 min Scan# 1933  
Delta R.T. -0.002 min  
Lab File: BG064541.D  
Acq: 17 Oct 2025 18:32

Tgt Ion:164 Resp: 42867  
Ion Ratio Lower Upper  
164 100  
162 101.7 82.2 123.2  
160 42.9 34.3 51.5

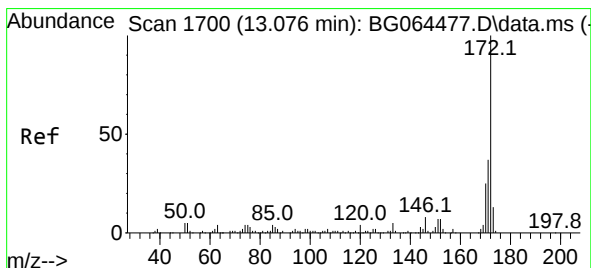
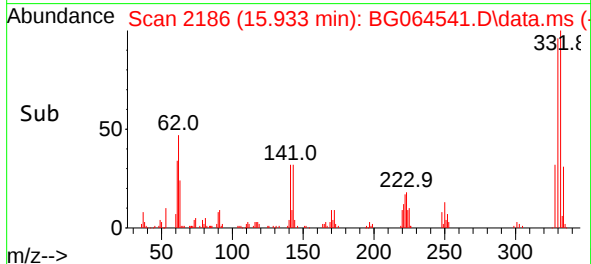
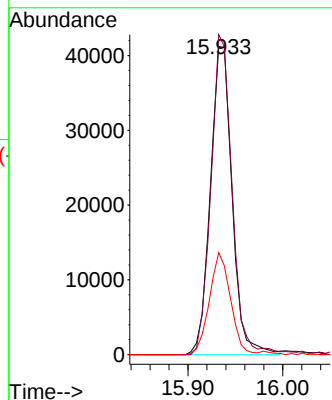
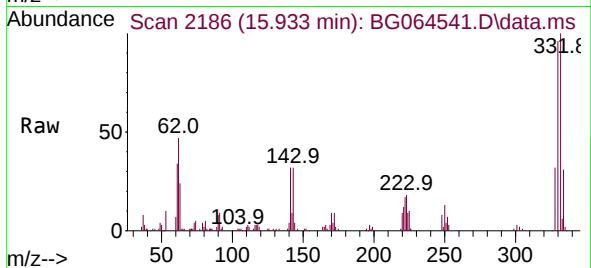




#42  
2,4,6-Tribromophenol  
Concen: 84.631 ng  
RT: 15.933 min Scan# 2187  
Delta R.T. -0.002 min  
Lab File: BG064541.D  
Acq: 17 Oct 2025 18:32

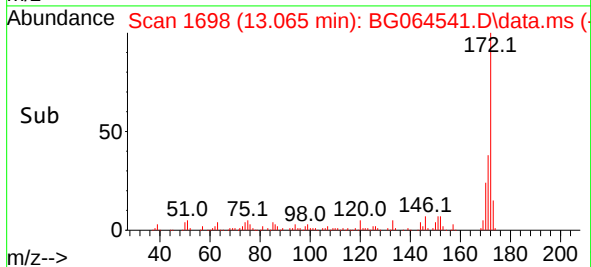
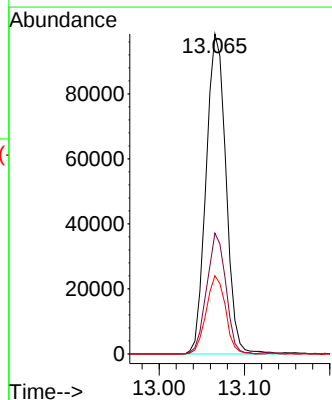
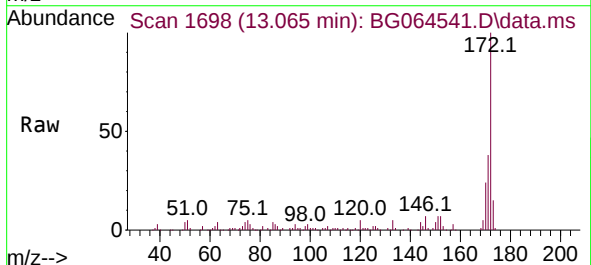
Instrument :  
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MH-21

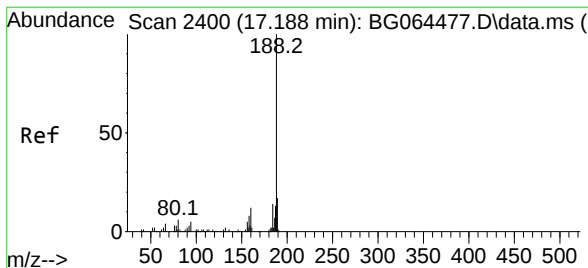
Tgt Ion:330 Resp: 65760  
Ion Ratio Lower Upper  
330 100  
332 101.3 77.4 116.0  
141 32.1 25.8 38.6



#45  
2-Fluorobiphenyl  
Concen: 54.726 ng  
RT: 13.065 min Scan# 1698  
Delta R.T. -0.002 min  
Lab File: BG064541.D  
Acq: 17 Oct 2025 18:32

Tgt Ion:172 Resp: 159154  
Ion Ratio Lower Upper  
172 100  
171 37.7 29.6 44.4  
170 24.4 20.2 30.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.184 min Scan# 2400

Delta R.T. -0.002 min

Lab File: BG064541.D

Acq: 17 Oct 2025 18:32

Instrument :

BNA\_G

ClientSampleId :

MH-21

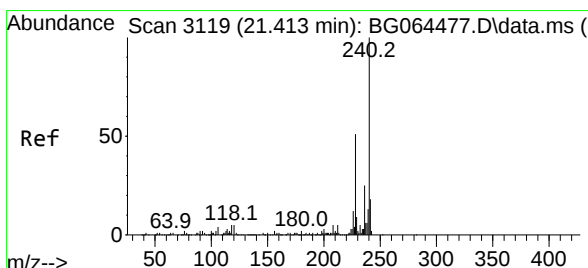
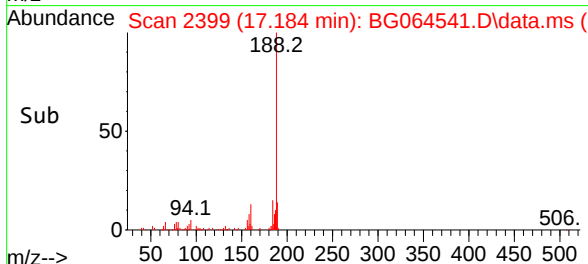
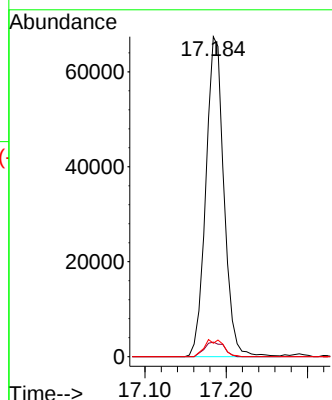
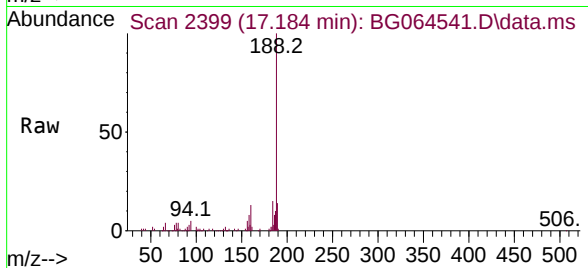
Tgt Ion:188 Resp: 104183

Ion Ratio Lower Upper

188 100

94 4.5 3.7 5.5

80 4.2 4.5 6.7#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.408 min Scan# 3118

Delta R.T. -0.002 min

Lab File: BG064541.D

Acq: 17 Oct 2025 18:32

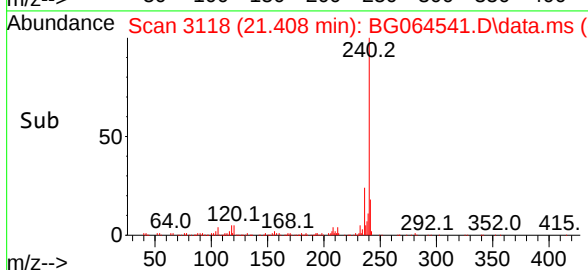
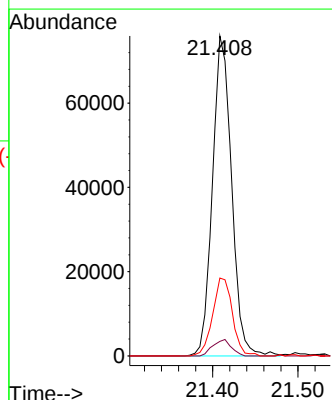
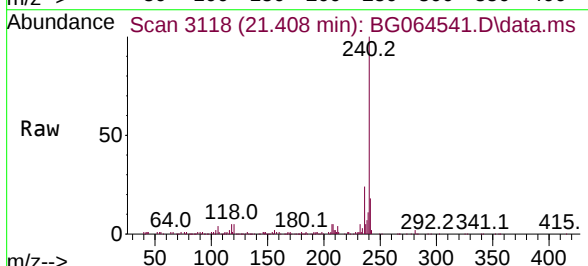
Tgt Ion:240 Resp: 118392

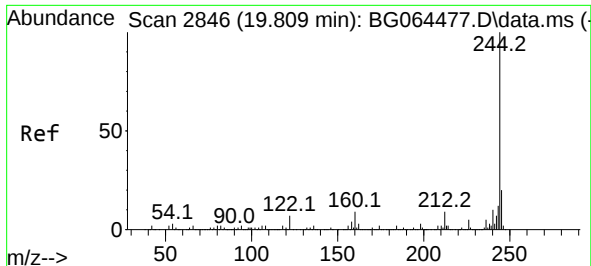
Ion Ratio Lower Upper

240 100

120 4.6 4.3 6.5

236 24.3 20.4 30.6

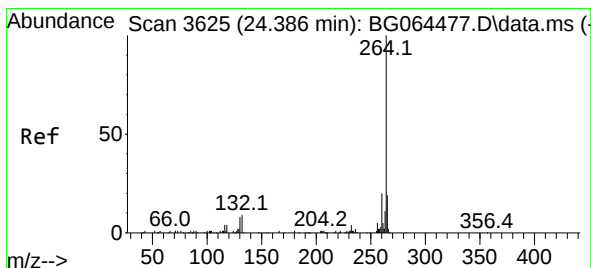
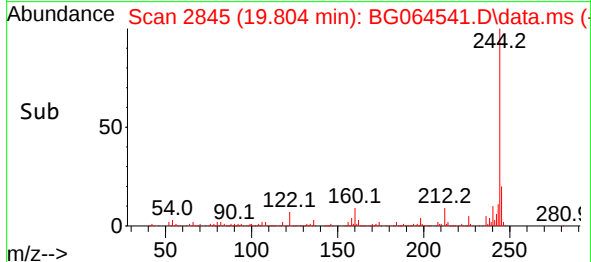
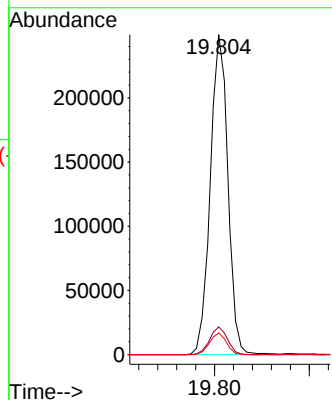
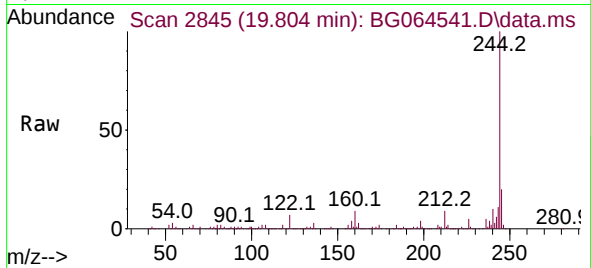




#79  
 Terphenyl-d14  
 Concen: 51.451 ng  
 RT: 19.804 min Scan# 2846  
 Delta R.T. -0.002 min  
 Lab File: BG064541.D  
 Acq: 17 Oct 2025 18:32

Instrument :  
 BNA\_G  
 ClientSampleId :  
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Tgt Ion:244 Resp: 321869  
 Ion Ratio Lower Upper  
 244 100  
 212 8.7 7.0 10.6  
 122 6.8 5.6 8.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.387 min Scan# 3625  
 Delta R.T. -0.002 min  
 Lab File: BG064541.D  
 Acq: 17 Oct 2025 18:32

Tgt Ion:264 Resp: 131623  
 Ion Ratio Lower Upper  
 264 100  
 260 22.2 16.2 24.4  
 265 21.1 15.0 22.4

