

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG101625\  
 Data File : BG064520.D  
 Acq On : 16 Oct 2025 17:39  
 Operator : RC/JU  
 Sample : Q3348-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WCS-TP1

Quant Time: Oct 16 21:57:55 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

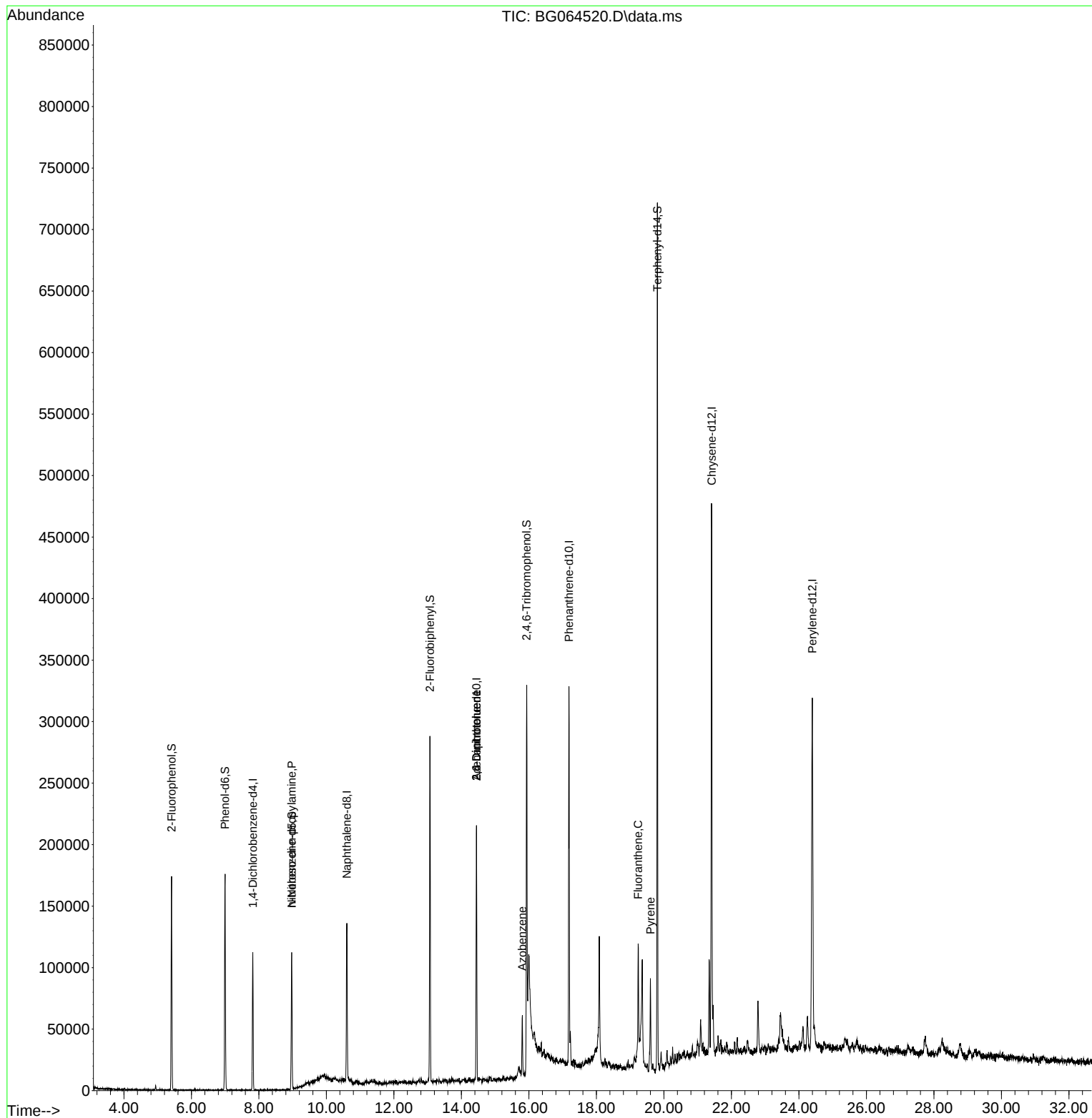
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.819  | 152  | 26426    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.604 | 136  | 100862   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.447 | 164  | 71357    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.185 | 188  | 184087   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.415 | 240  | 248905   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 24.394 | 264  | 286653   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.410  | 112  | 64742    | 45.341 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.997  | 99   | 81292    | 42.364 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 8.971  | 82   | 54717    | 29.170 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.933 | 330  | 59326    | 45.867 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.066 | 172  | 131923   | 27.251 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.805 | 244  | 311578   | 23.690 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 8.971  | 70   | 8986     | 7.002  | ng    | # 70     |
| 51) 2,6-Dinitrotoluene        | 14.447 | 165  | 10075    | 8.654  | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 14.447 | 165  | 10075    | 5.661  | ng    | # 25     |
| 63) Azobenzene                | 15.804 | 77   | 13153    | 2.833  | ng    | # 13     |
| 75) Fluoranthene              | 19.235 | 202  | 51258    | 4.457  | ng    | 100      |
| 78) Pyrene                    | 19.600 | 202  | 45694    | 2.829  | ng    | 94       |
| -----                         |        |      |          |        |       |          |

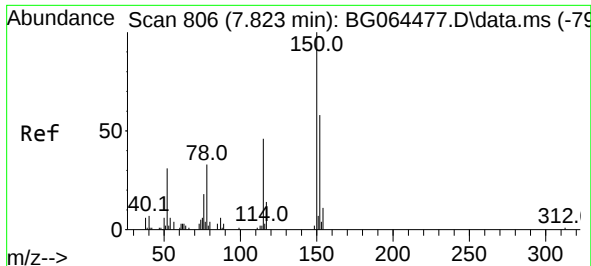
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 02 16:40:42 2025  
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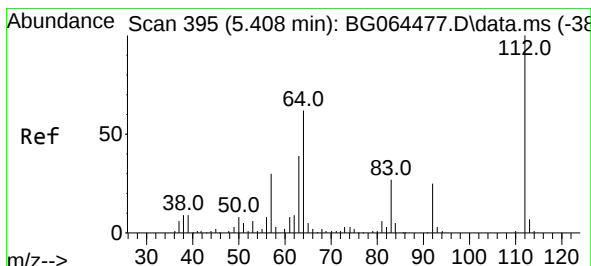
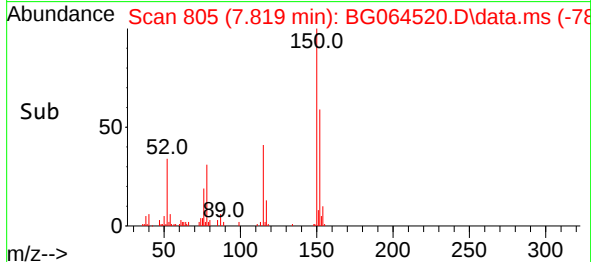
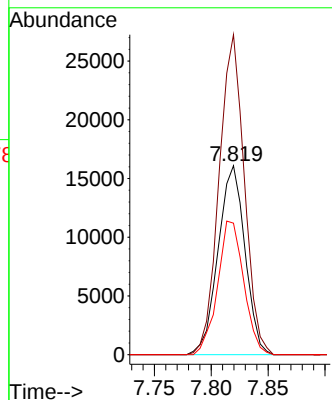
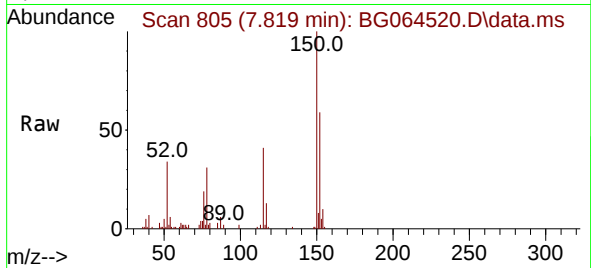




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.819 min Scan# 806  
Delta R.T. -0.001 min  
Lab File: BG064520.D  
Acq: 16 Oct 2025 17:39

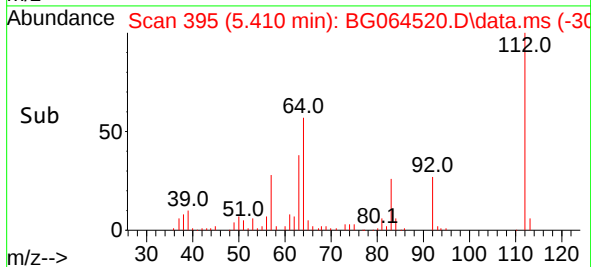
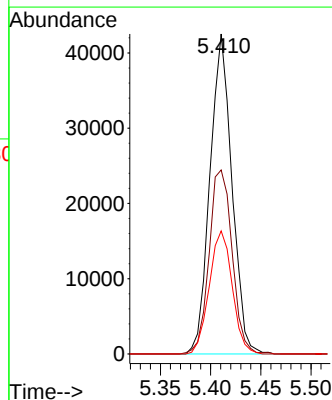
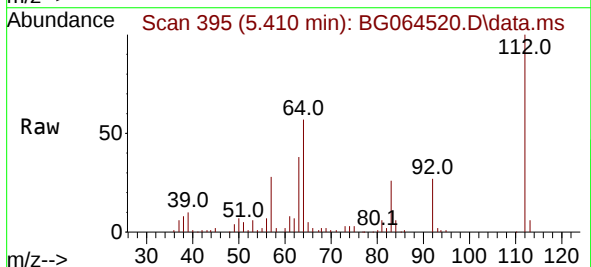
Instrument :  
BNA\_G  
ClientSampleId :  
WCS-TP1

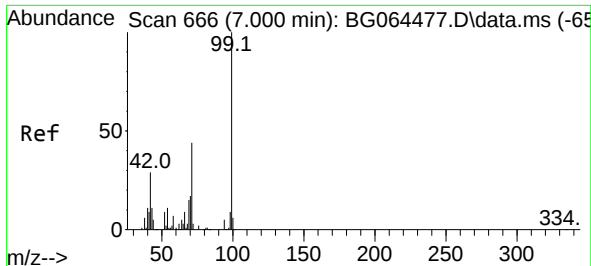
Tgt Ion:152 Resp: 26426  
Ion Ratio Lower Upper  
152 100  
150 169.3 138.6 207.8  
115 69.6 63.4 95.2



#5  
2-Fluorophenol  
Concen: 45.341 ng  
RT: 5.410 min Scan# 395  
Delta R.T. 0.005 min  
Lab File: BG064520.D  
Acq: 16 Oct 2025 17:39

Tgt Ion:112 Resp: 64742  
Ion Ratio Lower Upper  
112 100  
64 57.5 49.8 74.8  
63 38.4 31.3 46.9

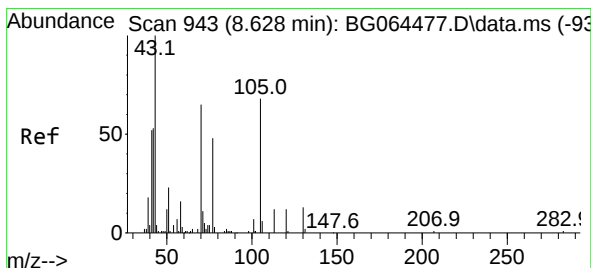
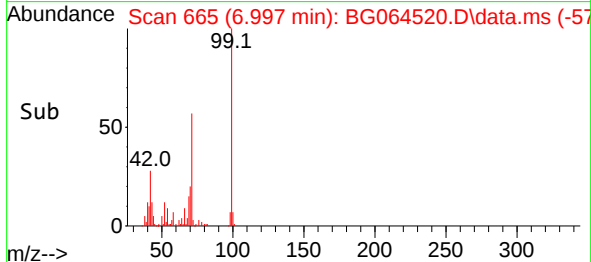
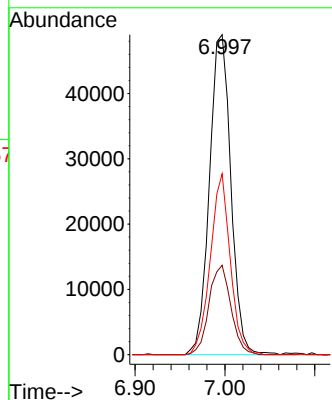
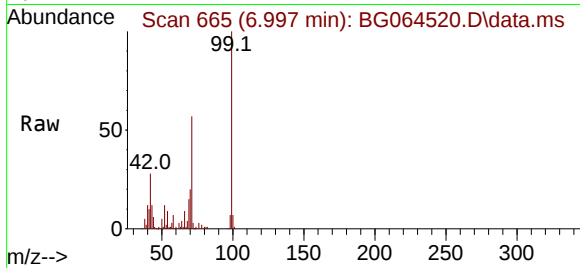




#7  
Phenol-d6  
Concen: 42.364 ng  
RT: 6.997 min Scan# 60  
Delta R.T. 0.011 min  
Lab File: BG064520.D  
Acq: 16 Oct 2025 17:39

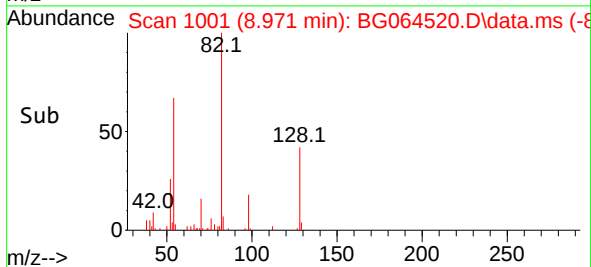
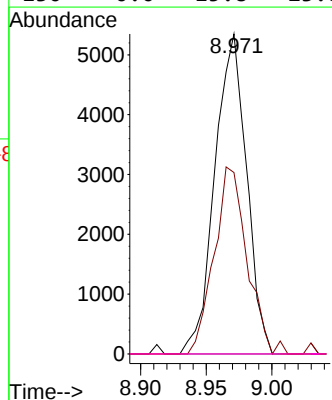
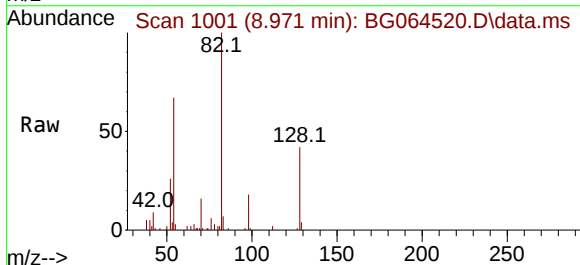
Instrument :  
BNA\_G  
ClientSampleId :  
WCS-TP1

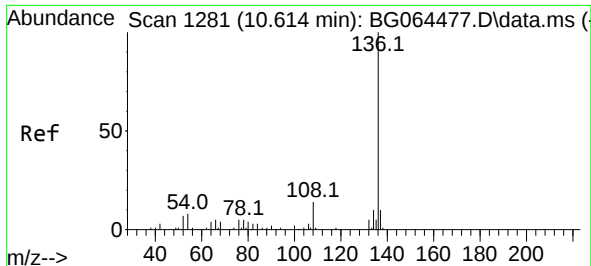
Tgt Ion: 99 Resp: 81292  
Ion Ratio Lower Upper  
99 100  
42 27.9 22.9 34.3  
71 56.5 35.4 53.2#



#19  
n-Nitroso-di-n-propylamine  
Concen: 7.002 ng  
RT: 8.971 min Scan# 1001  
Delta R.T. 0.357 min  
Lab File: BG064520.D  
Acq: 16 Oct 2025 17:39

Tgt Ion: 70 Resp: 8986  
Ion Ratio Lower Upper  
70 100  
42 56.7 64.9 97.3#  
101 0.0 8.7 13.1#  
130 0.0 15.8 23.8#

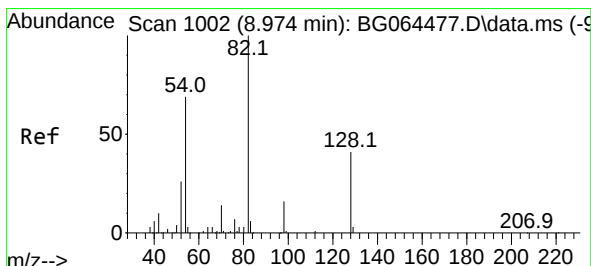
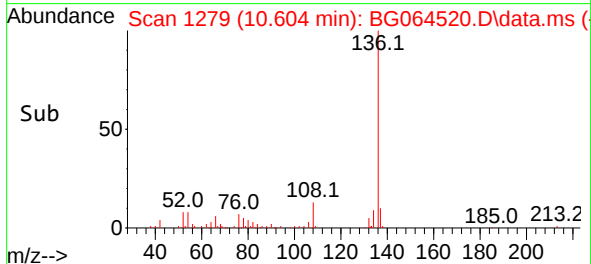
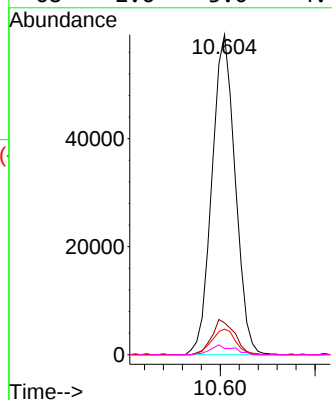
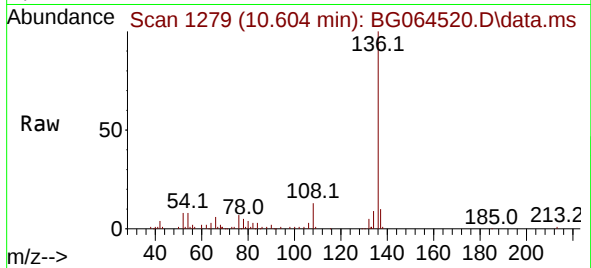




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.604 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: BG064520.D  
Acq: 16 Oct 2025 17:39

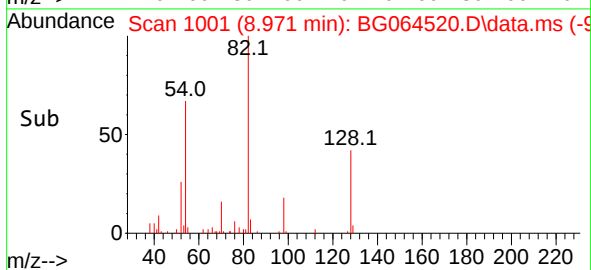
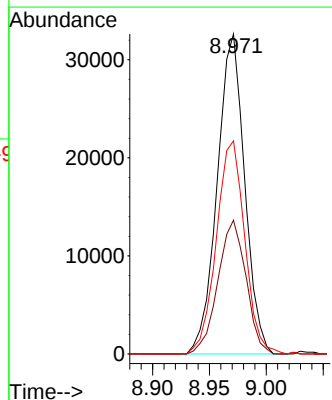
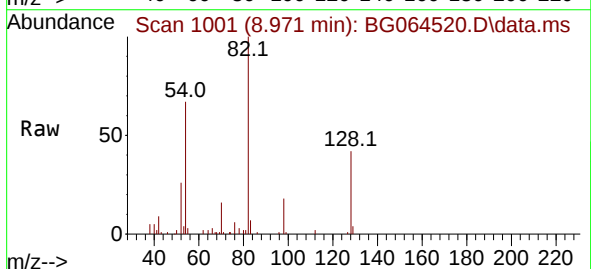
Instrument :  
BNA\_G  
ClientSampleId :  
WCS-TP1

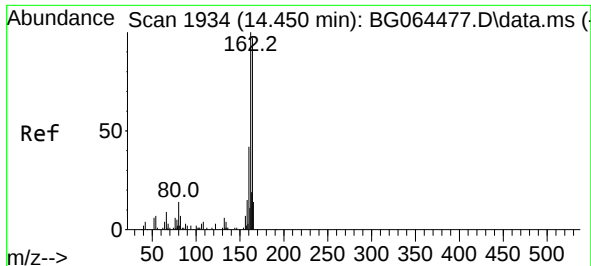
Tgt Ion:136 Resp: 100862  
Ion Ratio Lower Upper  
136 100  
137 9.9 8.3 12.5  
54 8.0 6.2 9.4  
68 2.6 3.0 4.4#



#23  
Nitrobenzene-d5  
Concen: 29.170 ng  
RT: 8.971 min Scan# 1001  
Delta R.T. 0.005 min  
Lab File: BG064520.D  
Acq: 16 Oct 2025 17:39

Tgt Ion: 82 Resp: 54717  
Ion Ratio Lower Upper  
82 100  
128 41.8 33.1 49.7  
54 66.6 55.4 83.2

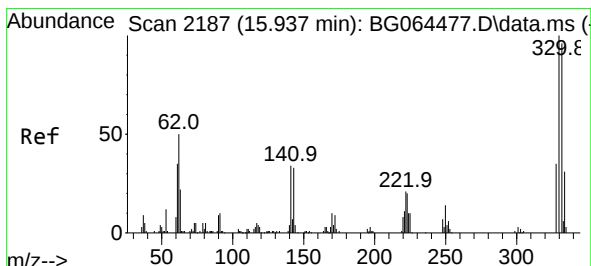
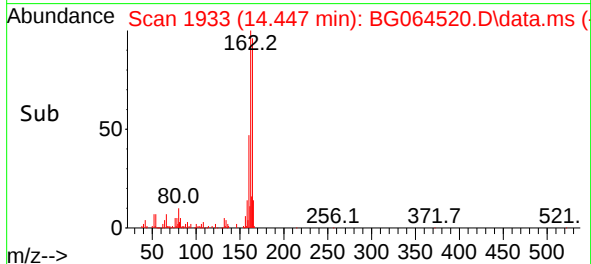
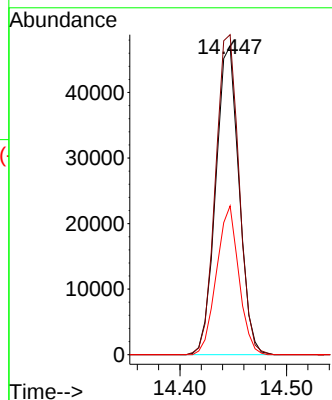
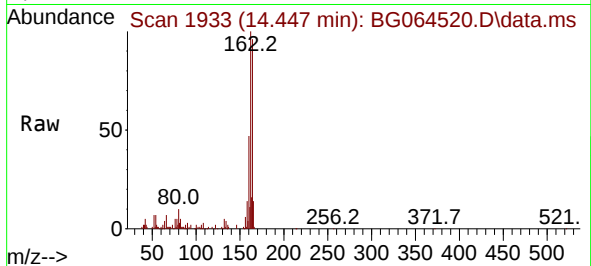




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.447 min Scan# 1933  
Delta R.T. -0.001 min  
Lab File: BG064520.D  
Acq: 16 Oct 2025 17:39

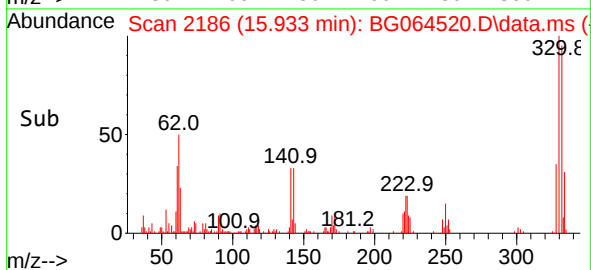
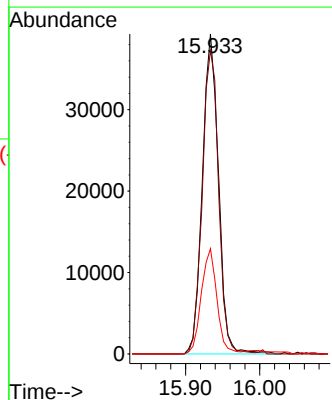
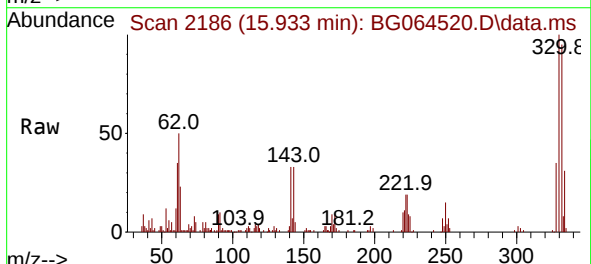
Instrument :  
BNA\_G  
ClientSampleId :  
WCS-TP1

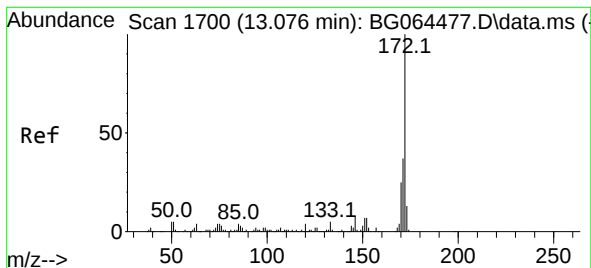
Tgt Ion:164 Resp: 71357  
Ion Ratio Lower Upper  
164 100  
162 103.7 82.2 123.2  
160 48.2 34.3 51.5



#42  
2,4,6-Tribromophenol  
Concen: 45.867 ng  
RT: 15.933 min Scan# 2186  
Delta R.T. -0.001 min  
Lab File: BG064520.D  
Acq: 16 Oct 2025 17:39

Tgt Ion:330 Resp: 59326  
Ion Ratio Lower Upper  
330 100  
332 95.9 77.4 116.0  
141 31.9 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 27.251 ng

RT: 13.066 min Scan# 1

Delta R.T. -0.001 min

Lab File: BG064520.D

Acq: 16 Oct 2025 17:39

Instrument :

BNA\_G

ClientSampleId :

WCS-TP1

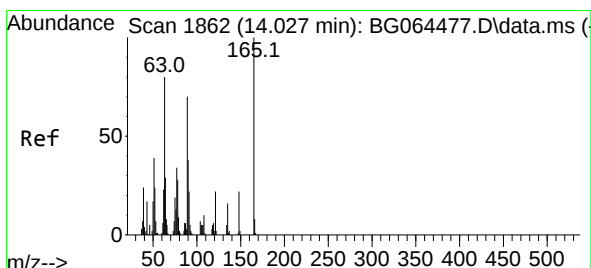
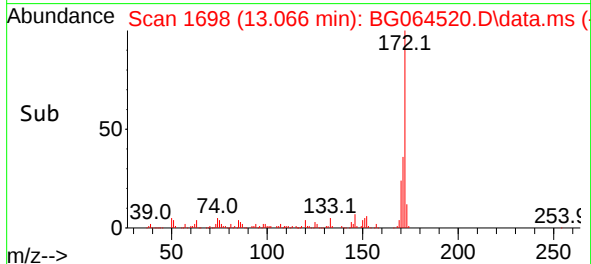
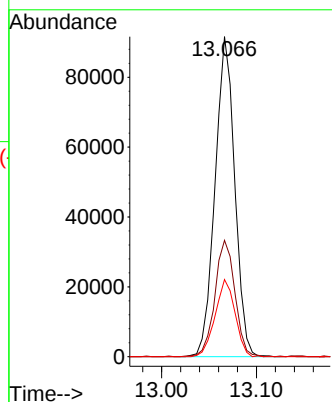
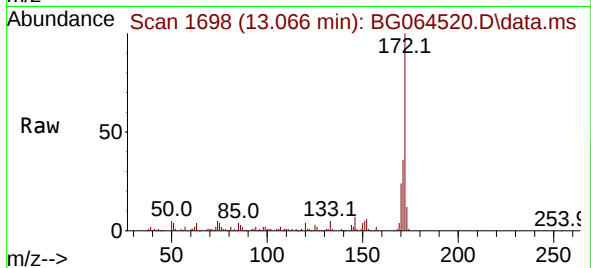
Tgt Ion:172 Resp: 131923

Ion Ratio Lower Upper

172 100

171 36.4 29.6 44.4

170 24.1 20.2 30.2



#51

2,6-Dinitrotoluene

Concen: 8.654 ng

RT: 14.447 min Scan# 1933

Delta R.T. 0.428 min

Lab File: BG064520.D

Acq: 16 Oct 2025 17:39

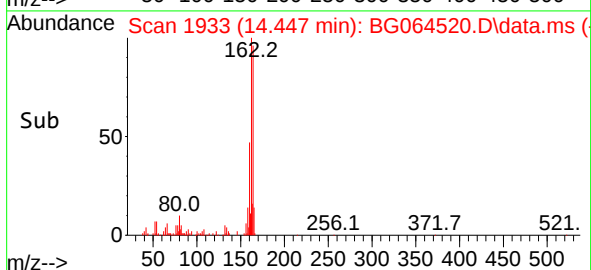
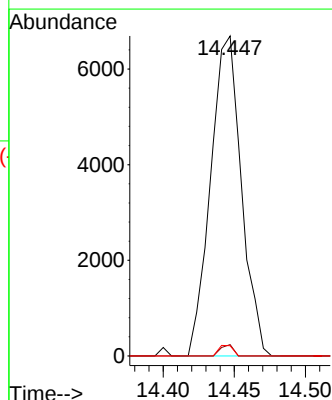
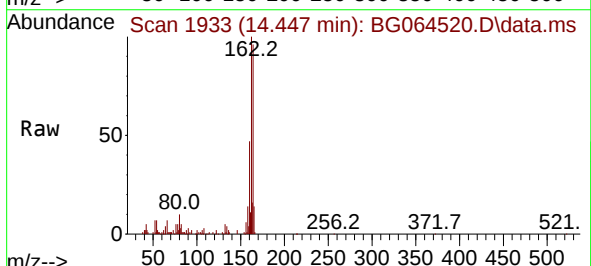
Tgt Ion:165 Resp: 10075

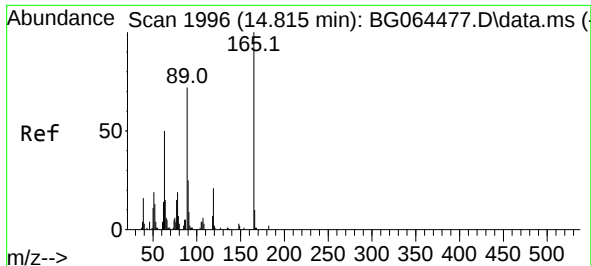
Ion Ratio Lower Upper

165 100

63 3.5 63.9 95.9#

89 3.2 56.1 84.1#

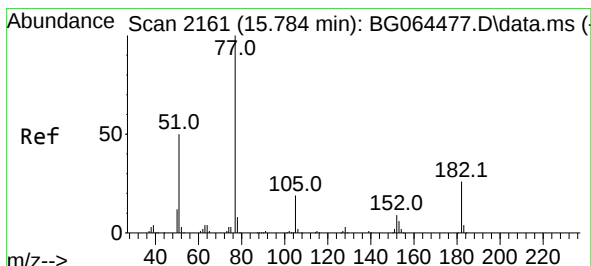
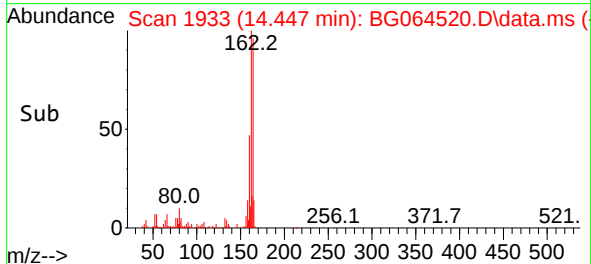
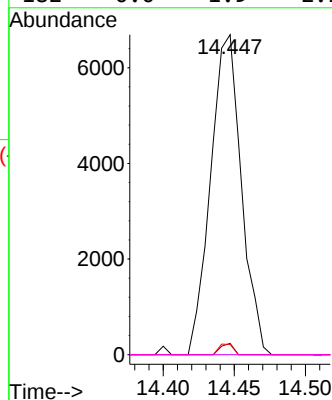
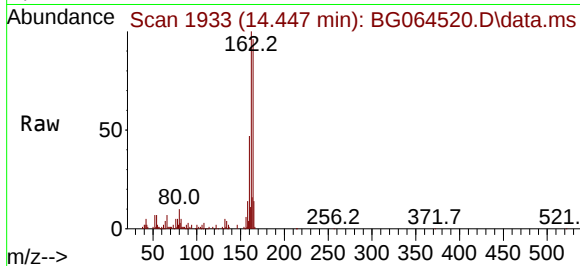




#57  
2,4-Dinitrotoluene  
Concen: 5.661 ng  
RT: 14.447 min Scan# 1996  
Delta R.T. -0.365 min  
Lab File: BG064520.D  
Acq: 16 Oct 2025 17:39

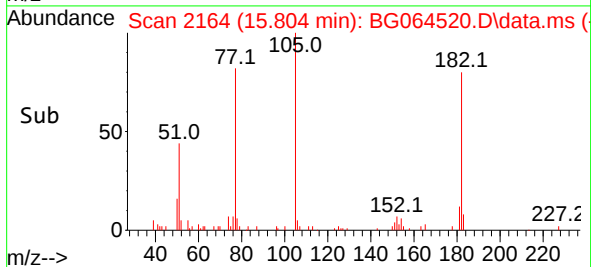
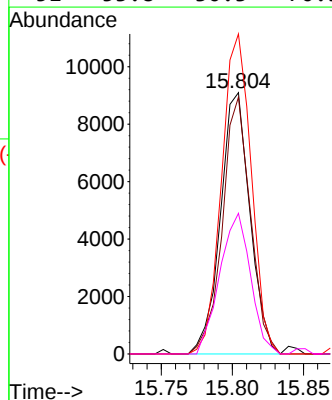
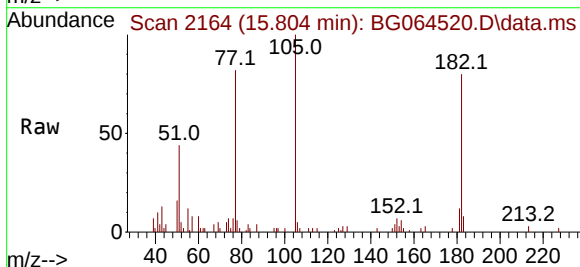
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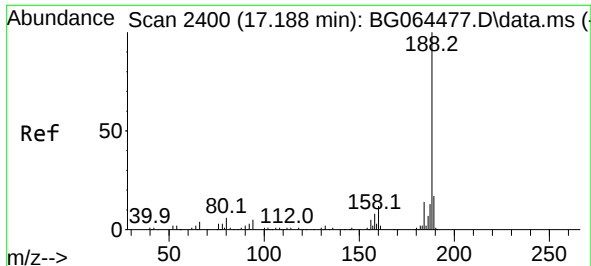
Tgt Ion:165 Resp: 10075  
Ion Ratio Lower Upper  
165 100  
63 3.5 40.4 60.6#  
89 3.2 57.3 85.9#  
182 0.0 1.9 2.9#



#63  
Azobenzene  
Concen: 2.833 ng  
RT: 15.804 min Scan# 2164  
Delta R.T. 0.022 min  
Lab File: BG064520.D  
Acq: 16 Oct 2025 17:39

Tgt Ion: 77 Resp: 13153  
Ion Ratio Lower Upper  
77 100  
182 98.3 6.3 46.3#  
105 122.5 0.0 38.7#  
51 53.8 30.3 70.3

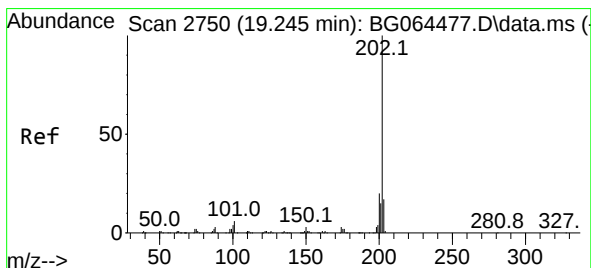
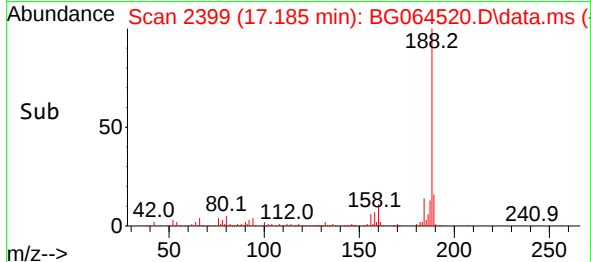
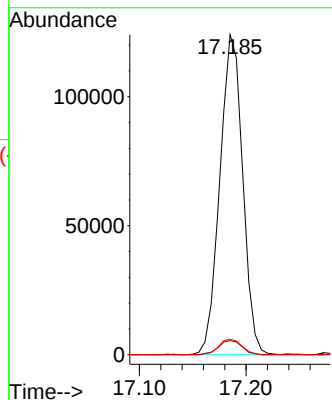
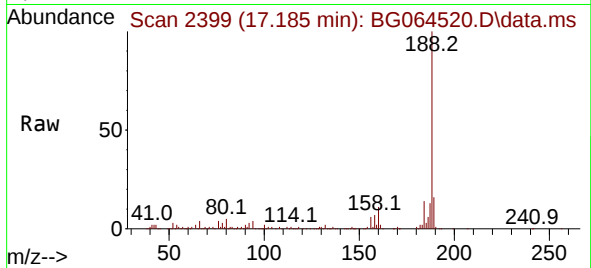




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.185 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BG064520.D  
Acq: 16 Oct 2025 17:39

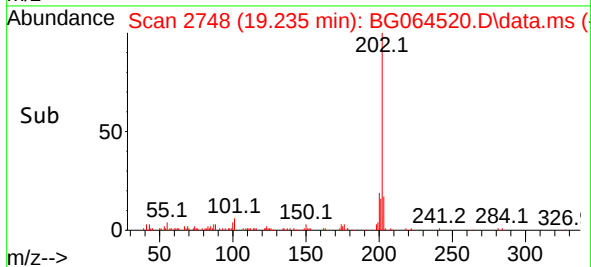
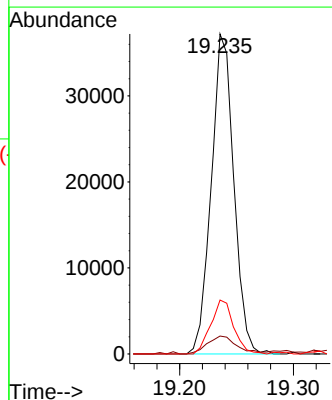
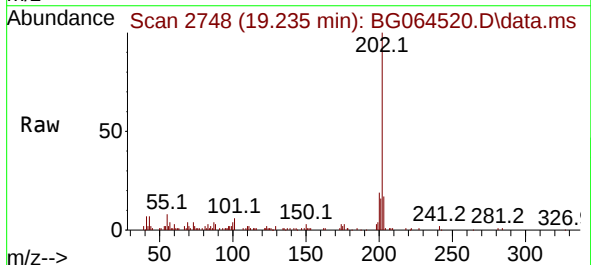
Instrument :  
BNA\_G  
ClientSampleId :  
WCS-TP1

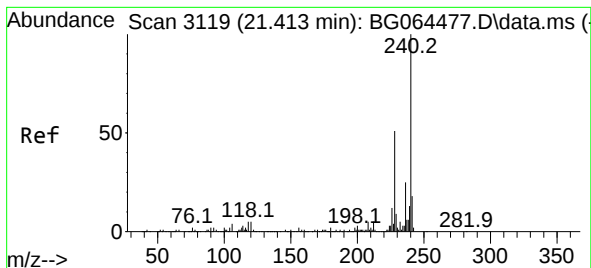
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Ion Ratio Lower Upper  
188 100  
94 4.4 3.7 5.5  
80 4.9 4.5 6.7



#75  
Fluoranthene  
Concen: 4.457 ng  
RT: 19.235 min Scan# 2748  
Delta R.T. -0.001 min  
Lab File: BG064520.D  
Acq: 16 Oct 2025 17:39

Tgt Ion:202 Resp: 51258  
Ion Ratio Lower Upper  
202 100  
101 5.6 0.0 25.7  
203 16.8 0.0 36.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.415 min Scan# 3119

Delta R.T. 0.005 min

Lab File: BG064520.D

Acq: 16 Oct 2025 17:39

Instrument :

BNA\_G

ClientSampleId :

WCS-TP1

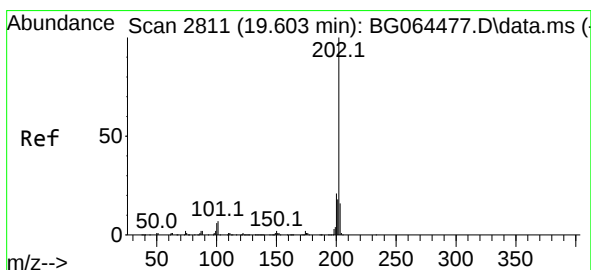
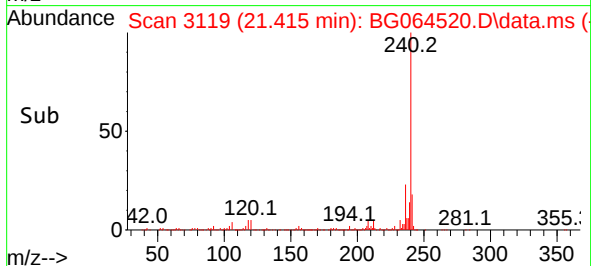
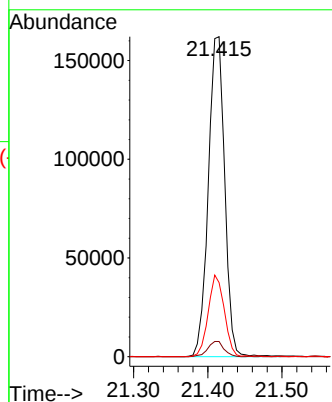
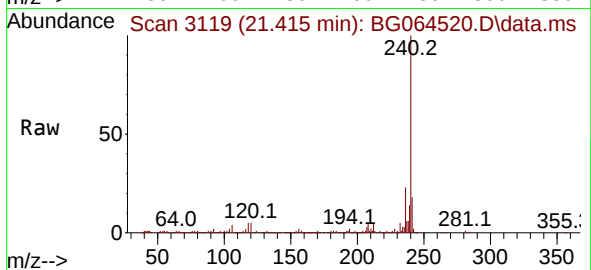
Tgt Ion:240 Resp: 248905

Ion Ratio Lower Upper

240 100

120 4.7 4.3 6.5

236 23.2 20.4 30.6



#78

Pyrene

Concen: 2.829 ng

RT: 19.600 min Scan# 2810

Delta R.T. -0.001 min

Lab File: BG064520.D

Acq: 16 Oct 2025 17:39

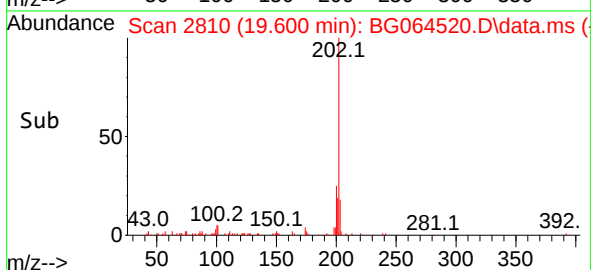
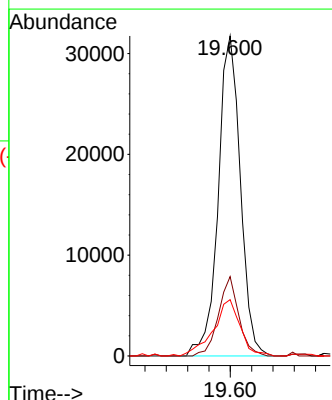
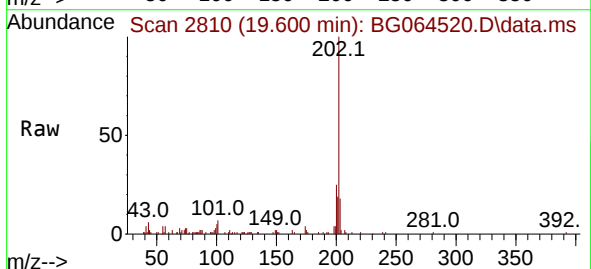
Tgt Ion:202 Resp: 45694

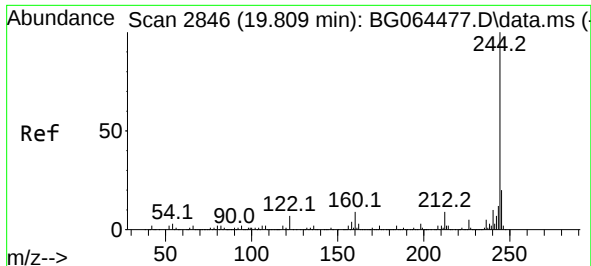
Ion Ratio Lower Upper

202 100

200 24.8 17.0 25.4

203 17.6 13.0 19.4

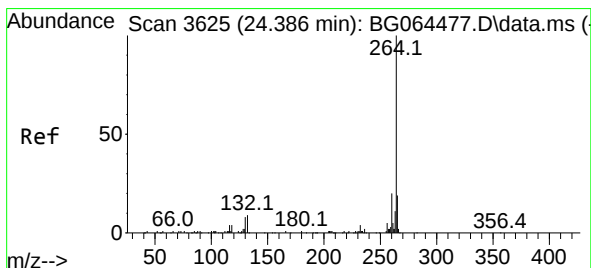
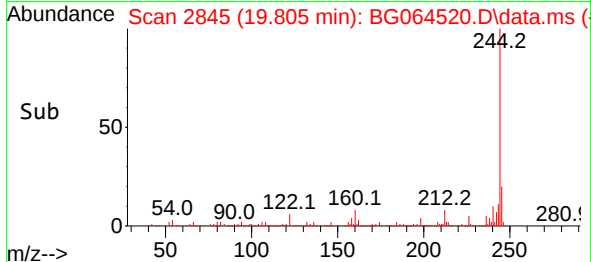
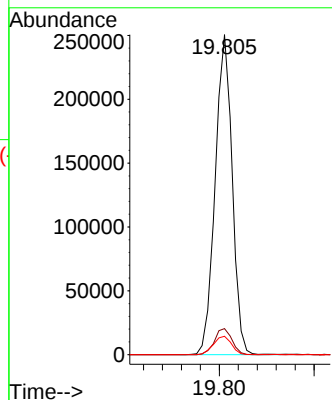
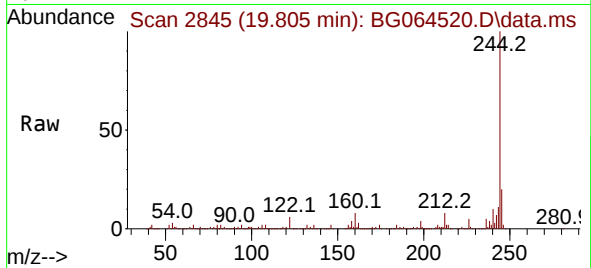




#79  
 Terphenyl-d14  
 Concen: 23.690 ng  
 RT: 19.805 min Scan# 21  
 Delta R.T. -0.001 min  
 Lab File: BG064520.D  
 Acq: 16 Oct 2025 17:39

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WCS-TP1

Tgt Ion:244 Resp: 311578  
 Ion Ratio Lower Upper  
 244 100  
 212 8.2 7.0 10.6  
 122 5.7 5.6 8.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.394 min Scan# 3626  
 Delta R.T. 0.005 min  
 Lab File: BG064520.D  
 Acq: 16 Oct 2025 17:39

Tgt Ion:264 Resp: 286653  
 Ion Ratio Lower Upper  
 264 100  
 260 22.9 16.2 24.4  
 265 21.6 15.0 22.4

