

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092925\  
 Data File : BG064466.D  
 Acq On : 29 Sep 2025 19:19  
 Operator : RC/JU  
 Sample : Q3181-11  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-A3-03-C

Quant Time: Sep 30 06:57:14 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG092525.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 29 18:04:12 2025  
 Response via : Initial Calibration

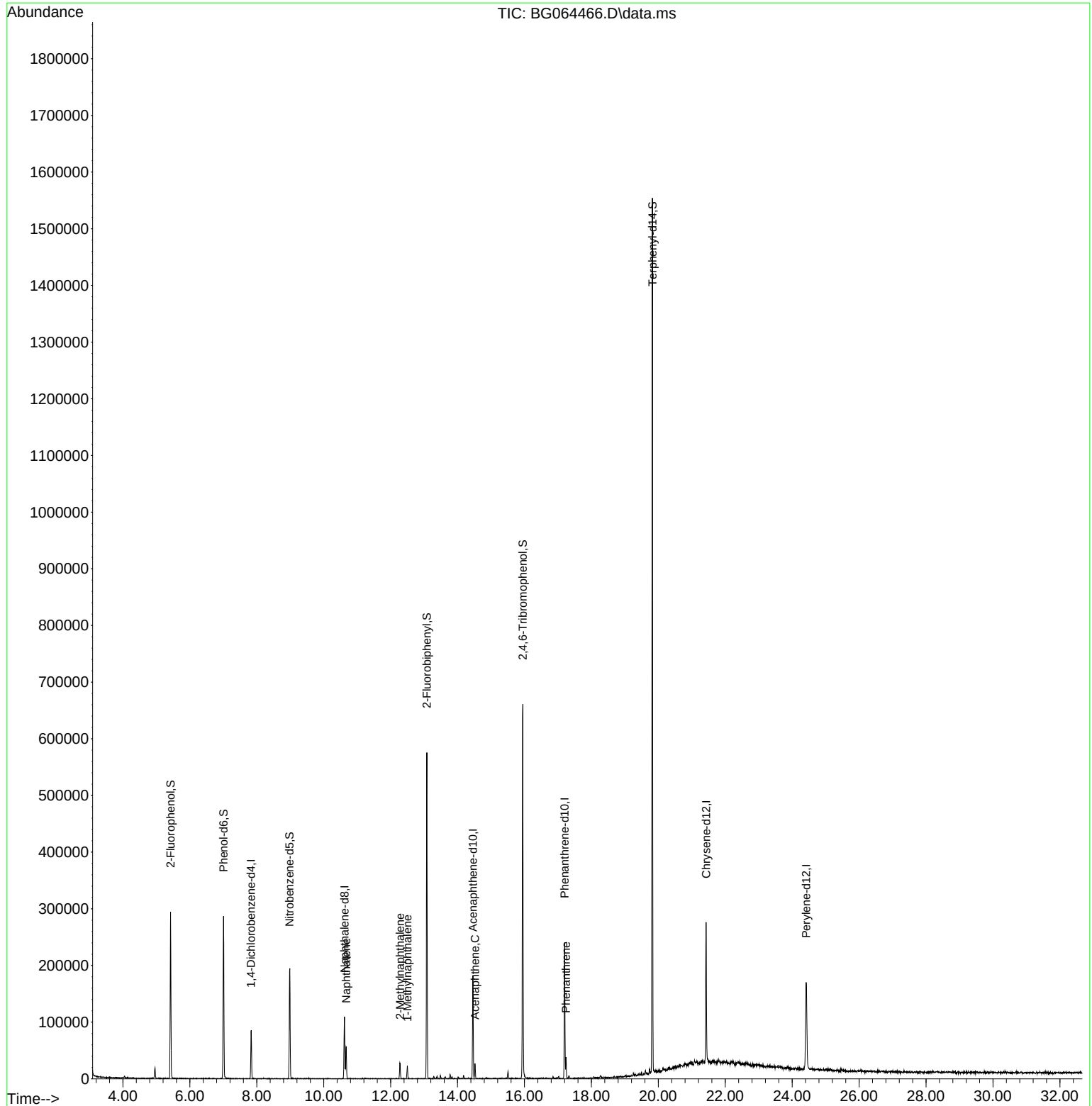
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.829  | 152  | 22344    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.620 | 136  | 85089    | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.457 | 164  | 59899    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.201 | 188  | 139498   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12            | 21.425 | 240  | 147376   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 24.416 | 264  | 163343   | 20.000  | ng    | -0.01    |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.426  | 112  | 106304   | 90.916  | ng    | 0.00     |
| 7) Phenol-d6                | 7.007  | 99   | 131265   | 81.944  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.981  | 82   | 101021   | 64.342  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.949 | 330  | 131617   | 125.866 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.082 | 172  | 272590   | 67.200  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.821 | 244  | 714015   | 95.506  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 31) Naphthalene             | 10.673 | 128  | 45329    | 10.204  | ng    | # 94     |
| 37) 2-Methylnaphthalene     | 12.283 | 142  | 13670    | 4.075   | ng    | 85       |
| 38) 1-Methylnaphthalene     | 12.500 | 142  | 10408    | 3.158   | ng    | # 93     |
| 52) Acenaphthene            | 14.522 | 154  | 10295    | 3.129   | ng    | 92       |
| 71) Phenanthrene            | 17.242 | 178  | 22922    | 3.161   | ng    | 98       |
| -----                       |        |      |          |         |       |          |

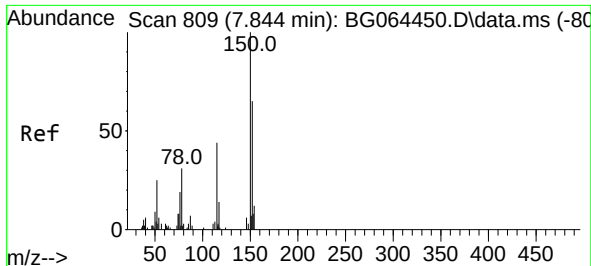
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092925\  
Data File : BG064466.D  
Acq On : 29 Sep 2025 19:19  
Operator : RC/JU  
Sample : Q3181-11  
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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_G  
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WC-A3-03-C

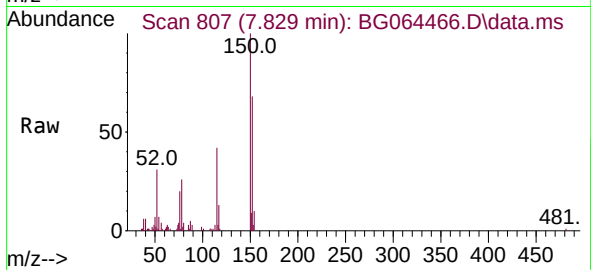
Quant Time: Sep 30 06:57:14 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG092525.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 29 18:04:12 2025  
Response via : Initial Calibration



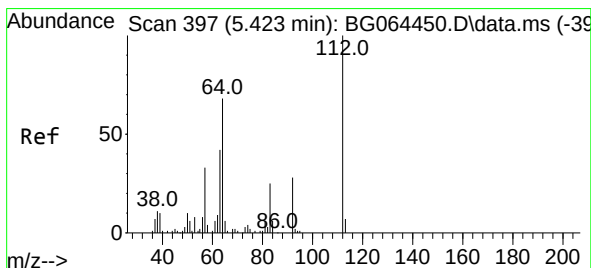
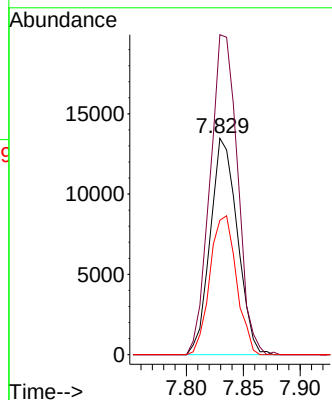
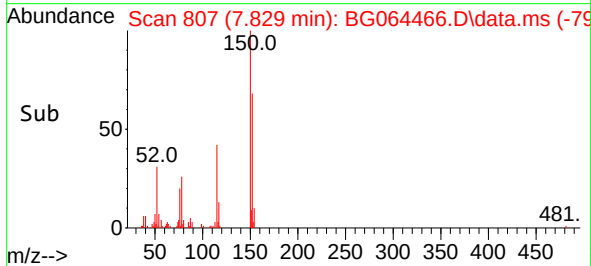


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.829 min Scan# 809  
Delta R.T. -0.015 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

Instrument :  
BNA\_G  
ClientSampleId :  
WC-A3-03-C

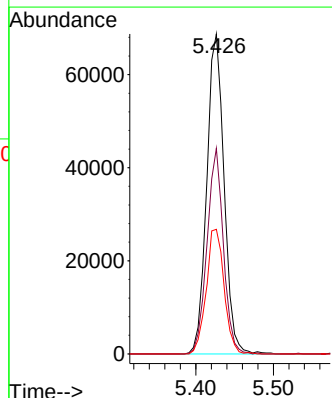
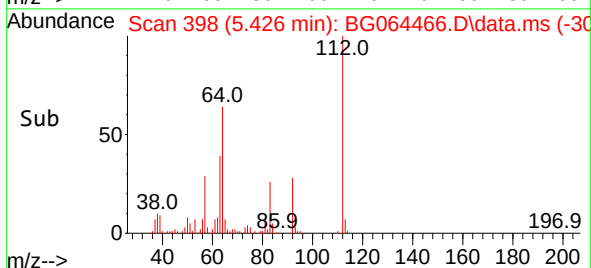
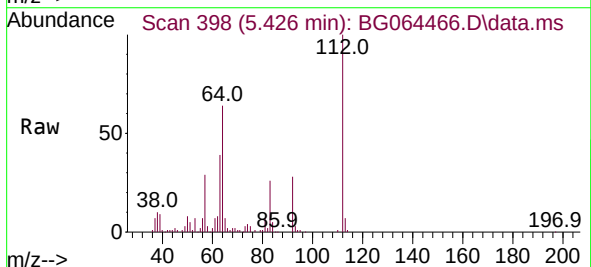


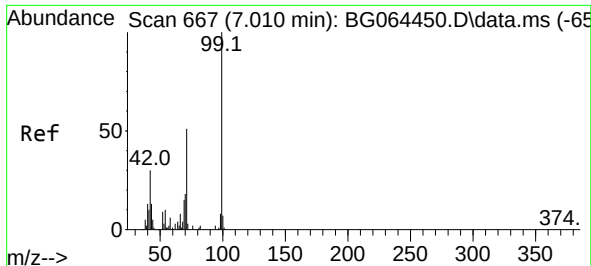
Tgt Ion:152 Resp: 22344  
Ion Ratio Lower Upper  
152 100  
150 147.9 122.9 184.3  
115 62.1 54.3 81.5



#5  
2-Fluorophenol  
Concen: 90.916 ng  
RT: 5.426 min Scan# 398  
Delta R.T. 0.003 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

Tgt Ion:112 Resp: 106304  
Ion Ratio Lower Upper  
112 100  
64 64.2 54.0 81.0  
63 38.9 33.8 50.6

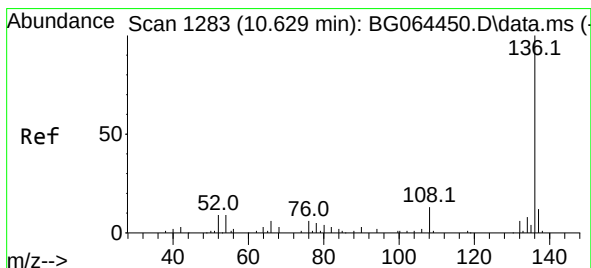
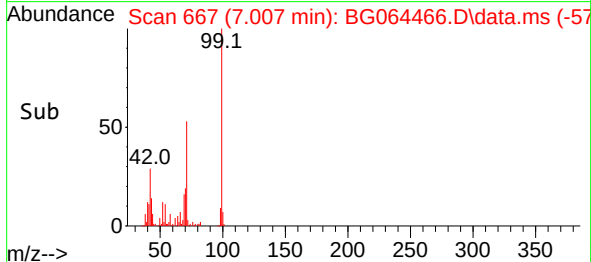
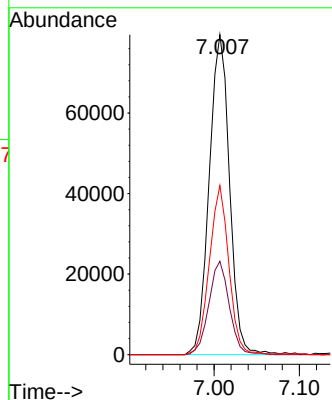
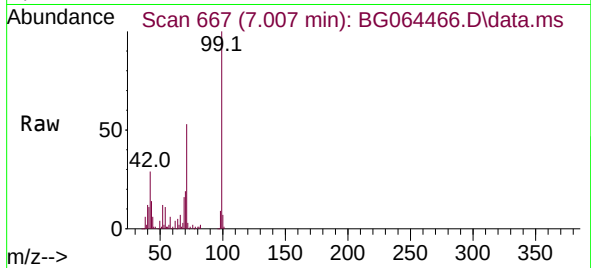




#7  
Phenol-d6  
Concen: 81.944 ng  
RT: 7.007 min Scan# 60  
Delta R.T. -0.003 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

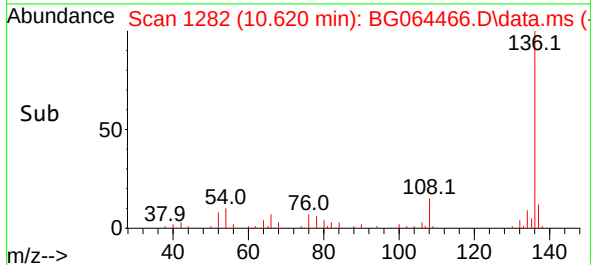
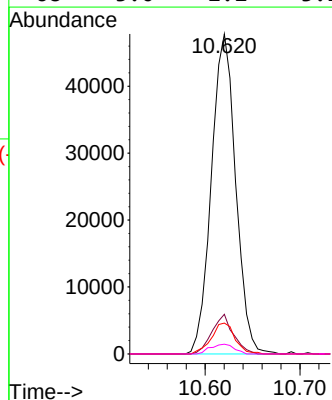
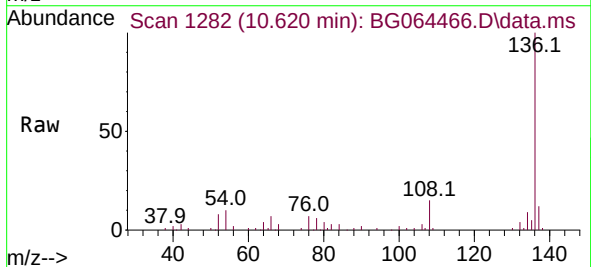
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BNA\_G  
ClientSampleId :  
WC-A3-03-C

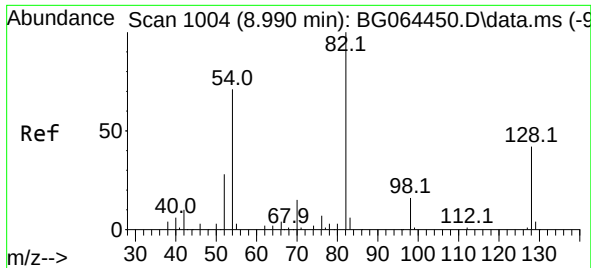
Tgt Ion: 99 Resp: 131265  
Ion Ratio Lower Upper  
99 100  
42 29.2 24.0 36.0  
71 52.8 40.5 60.7



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.620 min Scan# 1282  
Delta R.T. -0.009 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

Tgt Ion:136 Resp: 85089  
Ion Ratio Lower Upper  
136 100  
137 12.4 9.6 14.4  
54 9.6 7.4 11.2  
68 3.0 2.2 3.2

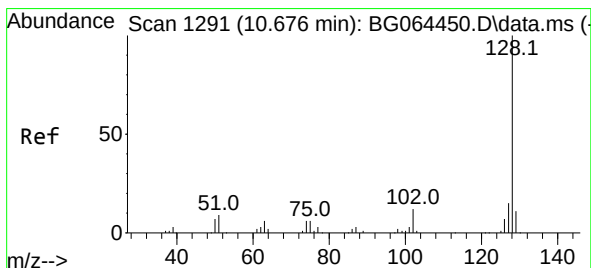
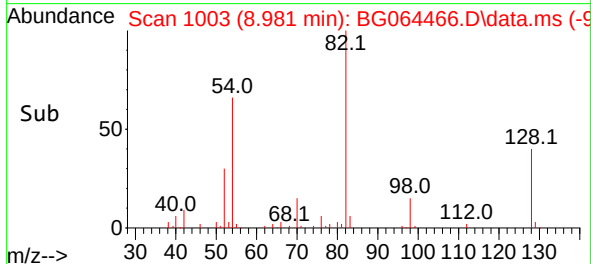
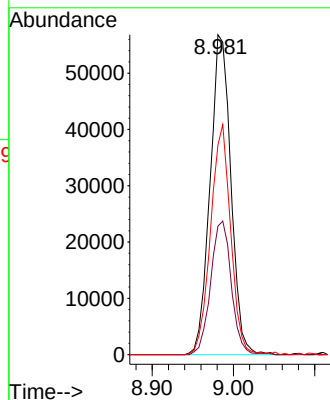
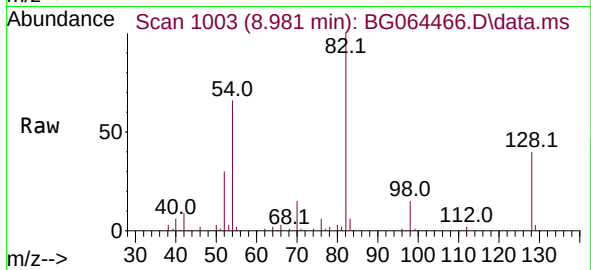




#23  
Nitrobenzene-d5  
Concen: 64.342 ng  
RT: 8.981 min Scan# 1003  
Delta R.T. -0.009 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

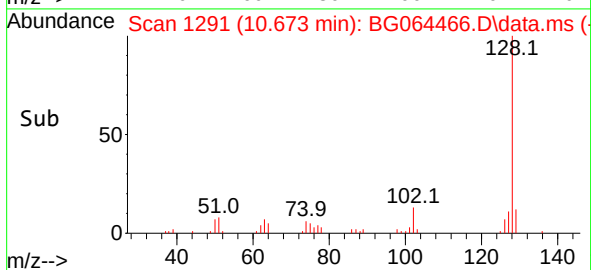
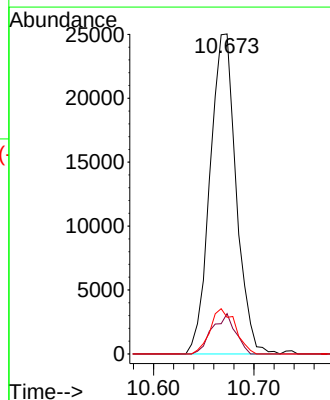
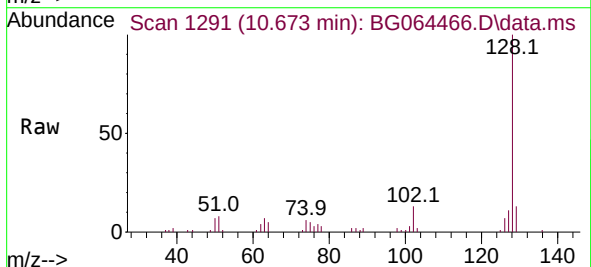
Instrument :  
BNA\_G  
ClientSampleId :  
WC-A3-03-C

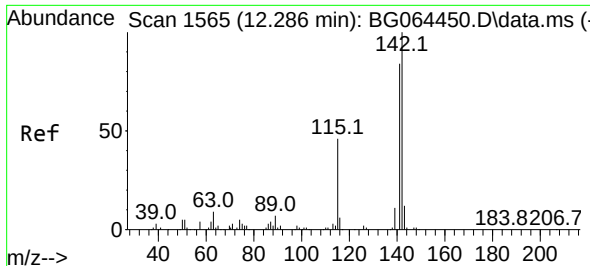
Tgt Ion: 82 Resp: 101021  
Ion Ratio Lower Upper  
82 100  
128 40.2 33.7 50.5  
54 65.5 57.0 85.6



#31  
Naphthalene  
Concen: 10.204 ng  
RT: 10.673 min Scan# 1291  
Delta R.T. -0.003 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

Tgt Ion:128 Resp: 45329  
Ion Ratio Lower Upper  
128 100  
129 12.6 9.2 13.8  
127 11.4 12.1 18.1#

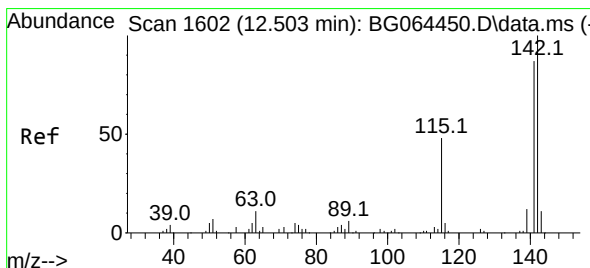
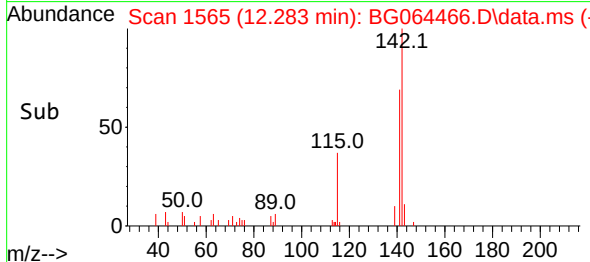
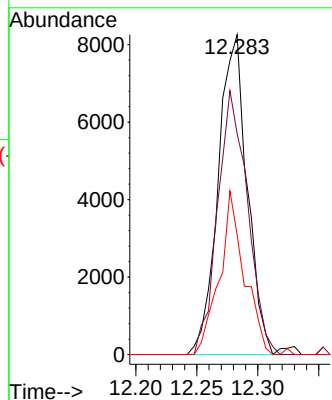
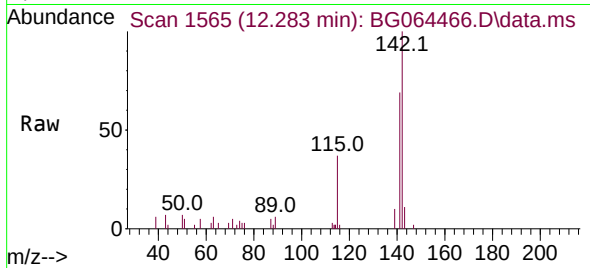




#37  
2-Methylnaphthalene  
Concen: 4.075 ng  
RT: 12.283 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

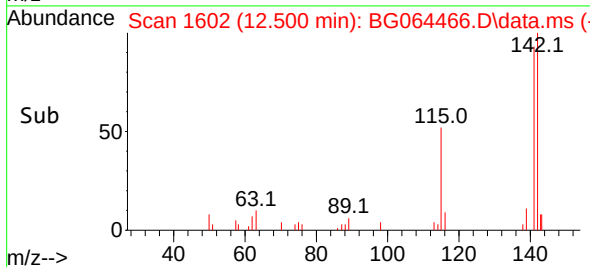
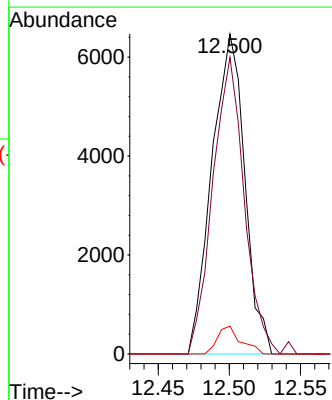
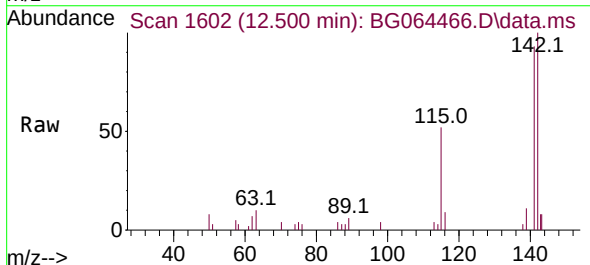
Instrument :  
BNA\_G  
ClientSampleId :  
WC-A3-03-C

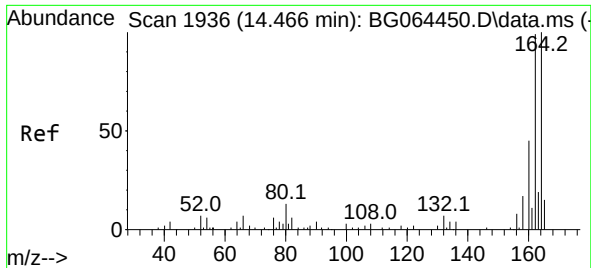
Tgt Ion:142 Resp: 13670  
Ion Ratio Lower Upper  
142 100  
141 69.0 67.3 100.9  
115 37.4 37.0 55.4



#38  
1-Methylnaphthalene  
Concen: 3.158 ng  
RT: 12.500 min Scan# 1602  
Delta R.T. -0.003 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

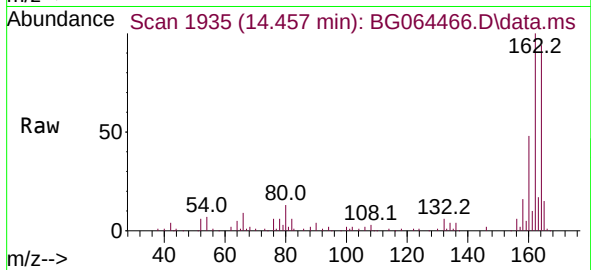
Tgt Ion:142 Resp: 10408  
Ion Ratio Lower Upper  
142 100  
141 92.6 69.2 103.8  
116 8.7 4.2 6.4#



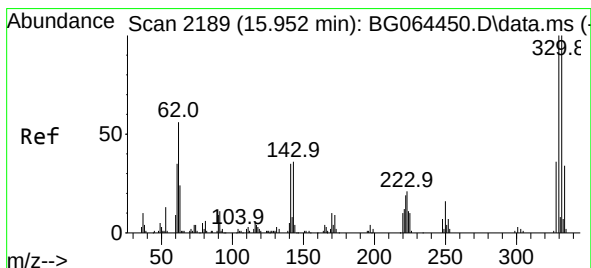
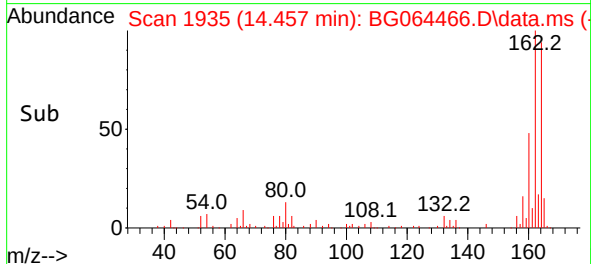
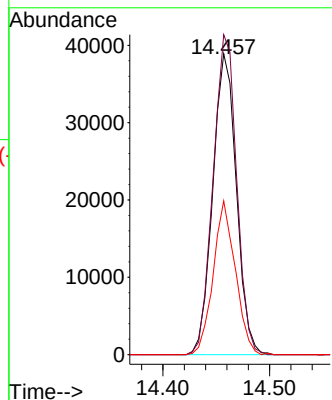


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.457 min Scan# 1935  
Delta R.T. -0.009 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

Instrument :  
BNA\_G  
ClientSampleId :  
WC-A3-03-C

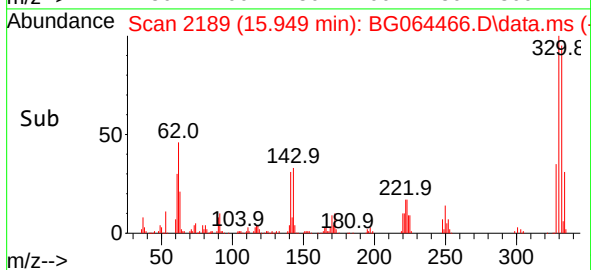
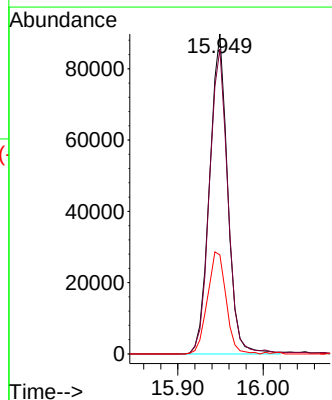
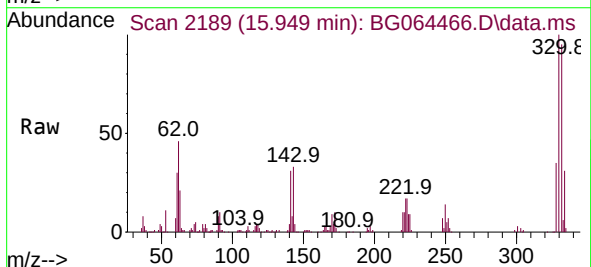


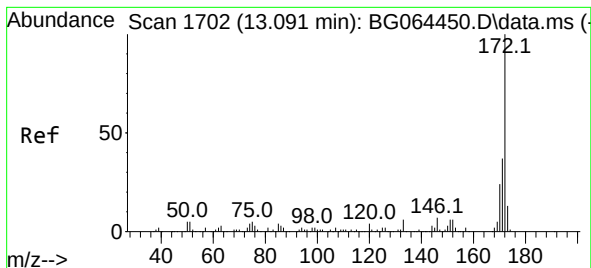
Tgt Ion:164 Resp: 59899  
Ion Ratio Lower Upper  
164 100  
162 106.4 79.0 118.4  
160 51.1 36.3 54.5



#42  
2,4,6-Tribromophenol  
Concen: 125.866 ng  
RT: 15.949 min Scan# 2189  
Delta R.T. -0.003 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

Tgt Ion:330 Resp: 131617  
Ion Ratio Lower Upper  
330 100  
332 97.4 78.8 118.2  
141 32.9 27.3 40.9





#45

2-Fluorobiphenyl

Concen: 67.200 ng

RT: 13.082 min Scan# 1701

Delta R.T. -0.009 min

Lab File: BG064466.D

Acq: 29 Sep 2025 19:19

Instrument :

BNA\_G

ClientSampleId :

WC-A3-03-C

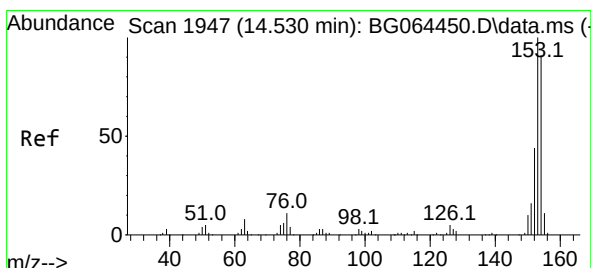
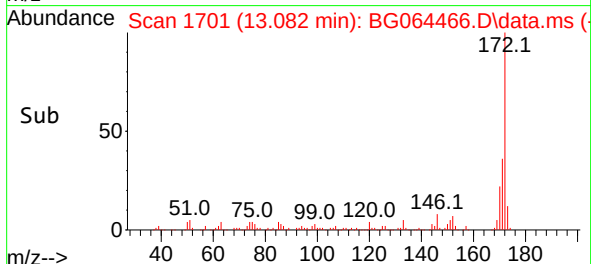
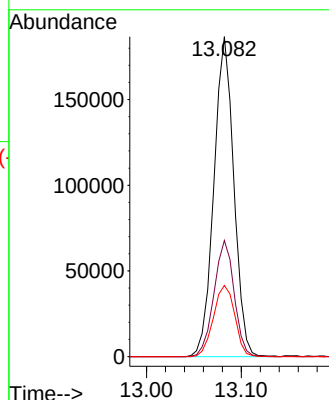
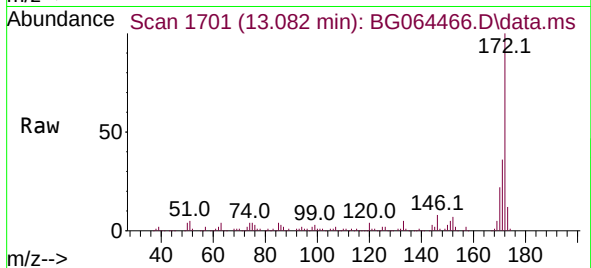
Tgt Ion:172 Resp: 272590

Ion Ratio Lower Upper

172 100

171 36.3 29.4 44.2

170 22.2 18.9 28.3



#52

Acenaphthene

Concen: 3.129 ng

RT: 14.522 min Scan# 1946

Delta R.T. -0.009 min

Lab File: BG064466.D

Acq: 29 Sep 2025 19:19

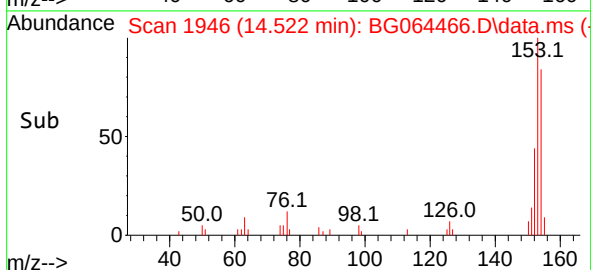
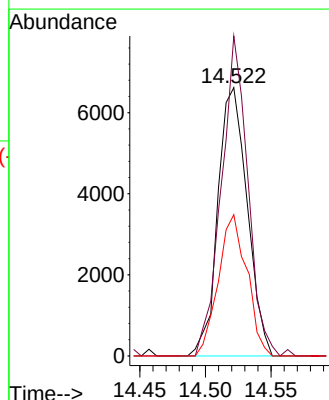
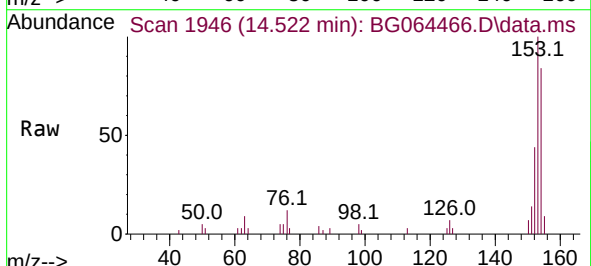
Tgt Ion:154 Resp: 10295

Ion Ratio Lower Upper

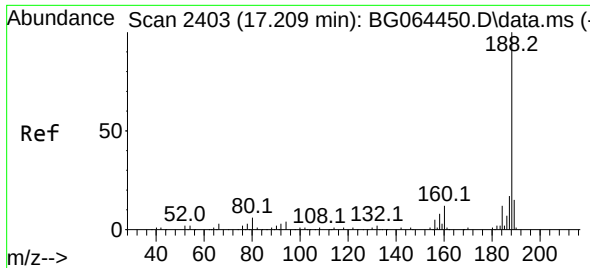
154 100

153 119.3 88.1 132.1

152 52.6 39.0 58.4



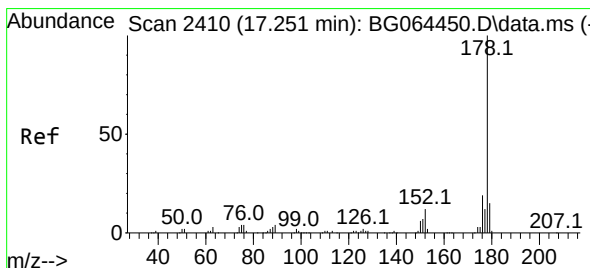
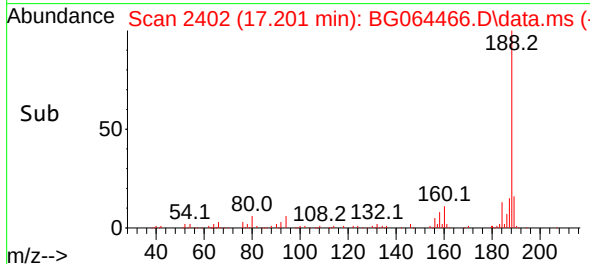
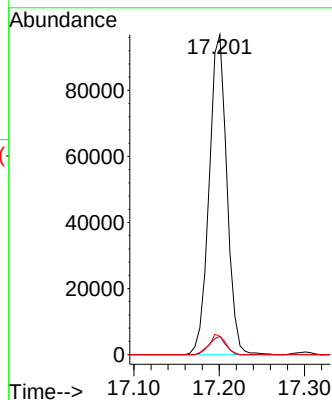
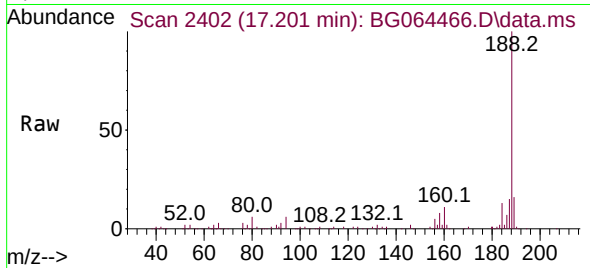




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.201 min Scan# 2402  
Delta R.T. -0.009 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

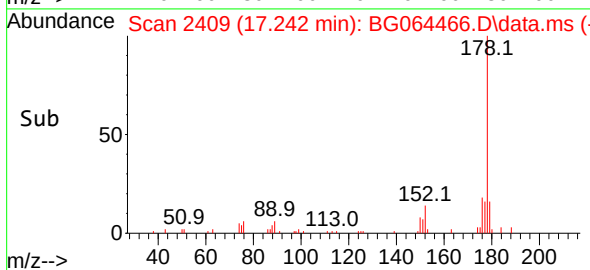
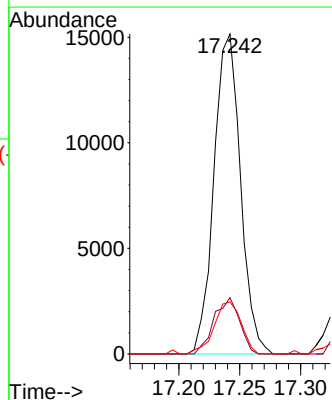
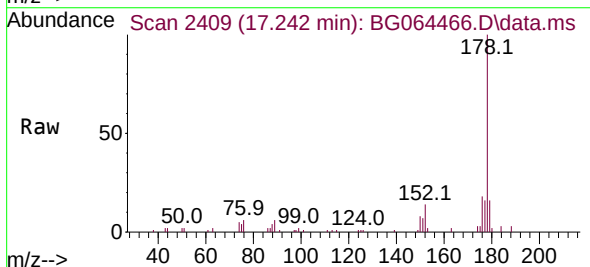
Instrument :  
BNA\_G  
ClientSampleId :  
WC-A3-03-C

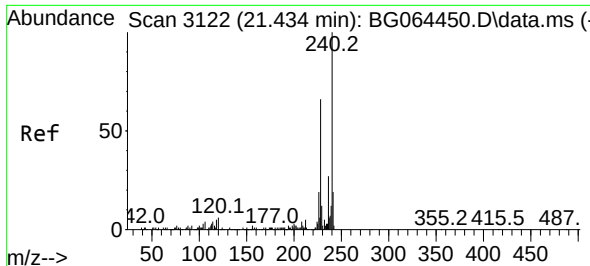
Tgt Ion:188 Resp: 139498  
Ion Ratio Lower Upper  
188 100  
94 5.7 3.0 4.4#  
80 5.7 4.9 7.3



#71  
Phenanthrene  
Concen: 3.161 ng  
RT: 17.242 min Scan# 2409  
Delta R.T. -0.009 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

Tgt Ion:178 Resp: 22922  
Ion Ratio Lower Upper  
178 100  
176 17.6 14.9 22.3  
179 16.2 12.4 18.6

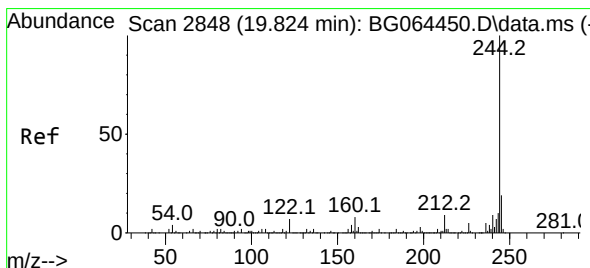
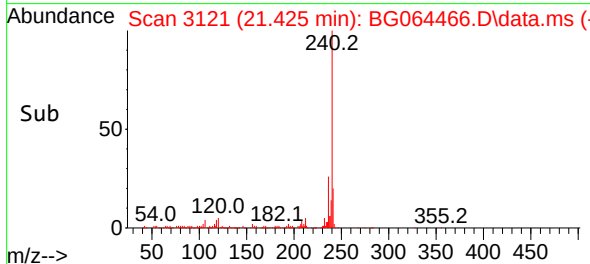
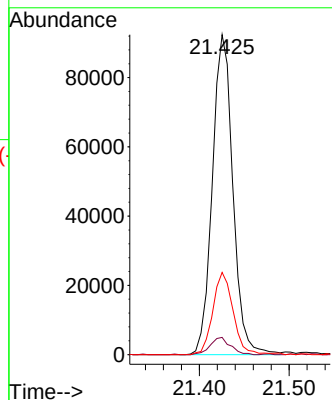
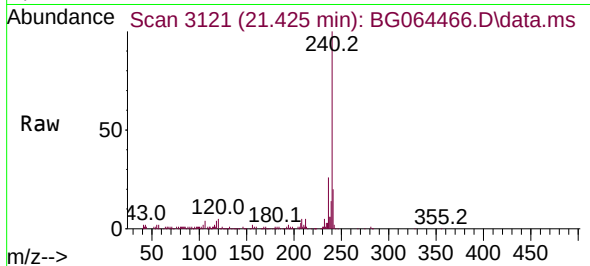




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.425 min Scan# 31  
Delta R.T. -0.009 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

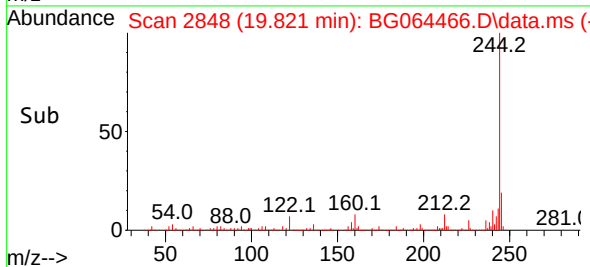
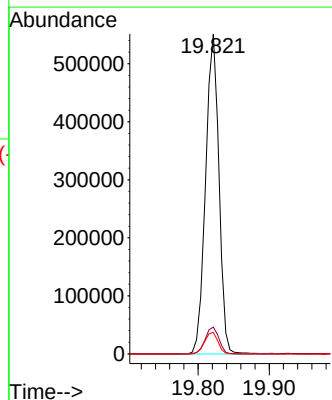
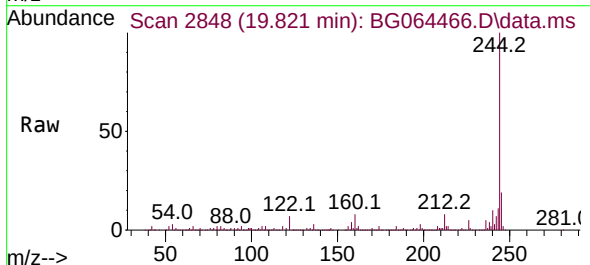
Instrument :  
BNA\_G  
ClientSampleId :  
WC-A3-03-C

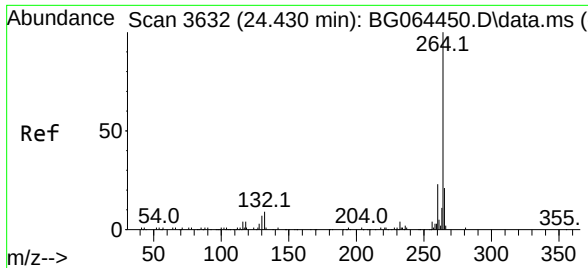
Tgt Ion:240 Resp: 147376  
Ion Ratio Lower Upper  
240 100  
120 5.4 5.0 7.4  
236 25.7 21.9 32.9



#79  
Terphenyl-d14  
Concen: 95.506 ng  
RT: 19.821 min Scan# 2848  
Delta R.T. -0.003 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

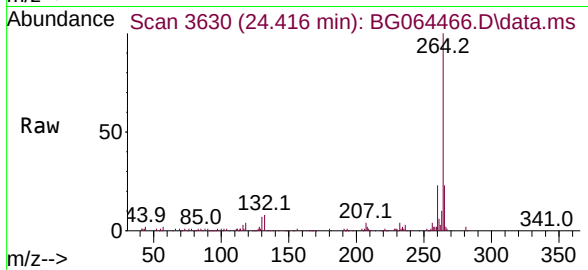
Tgt Ion:244 Resp: 714015  
Ion Ratio Lower Upper  
244 100  
212 8.4 7.2 10.8  
122 6.7 5.7 8.5





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.416 min Scan# 30  
Delta R.T. -0.015 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

Instrument :  
BNA\_G  
ClientSampleId :  
WC-A3-03-C



|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:264 | Resp: | 163343      |
| Ion         | Ratio | Lower Upper |
| 264         | 100   |             |
| 260         | 23.3  | 18.6 27.8   |
| 265         | 22.8  | 16.7 25.1   |

