

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121724\  
 Data File : BF140885.D  
 Acq On : 17 Dec 2024 15:12  
 Operator : RC/JU  
 Sample : P5270-07DL 10X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW12-20241212DL

Quant Time: Dec 17 15:37:42 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF121624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 16 16:59:50 2024  
 Response via : Initial Calibration

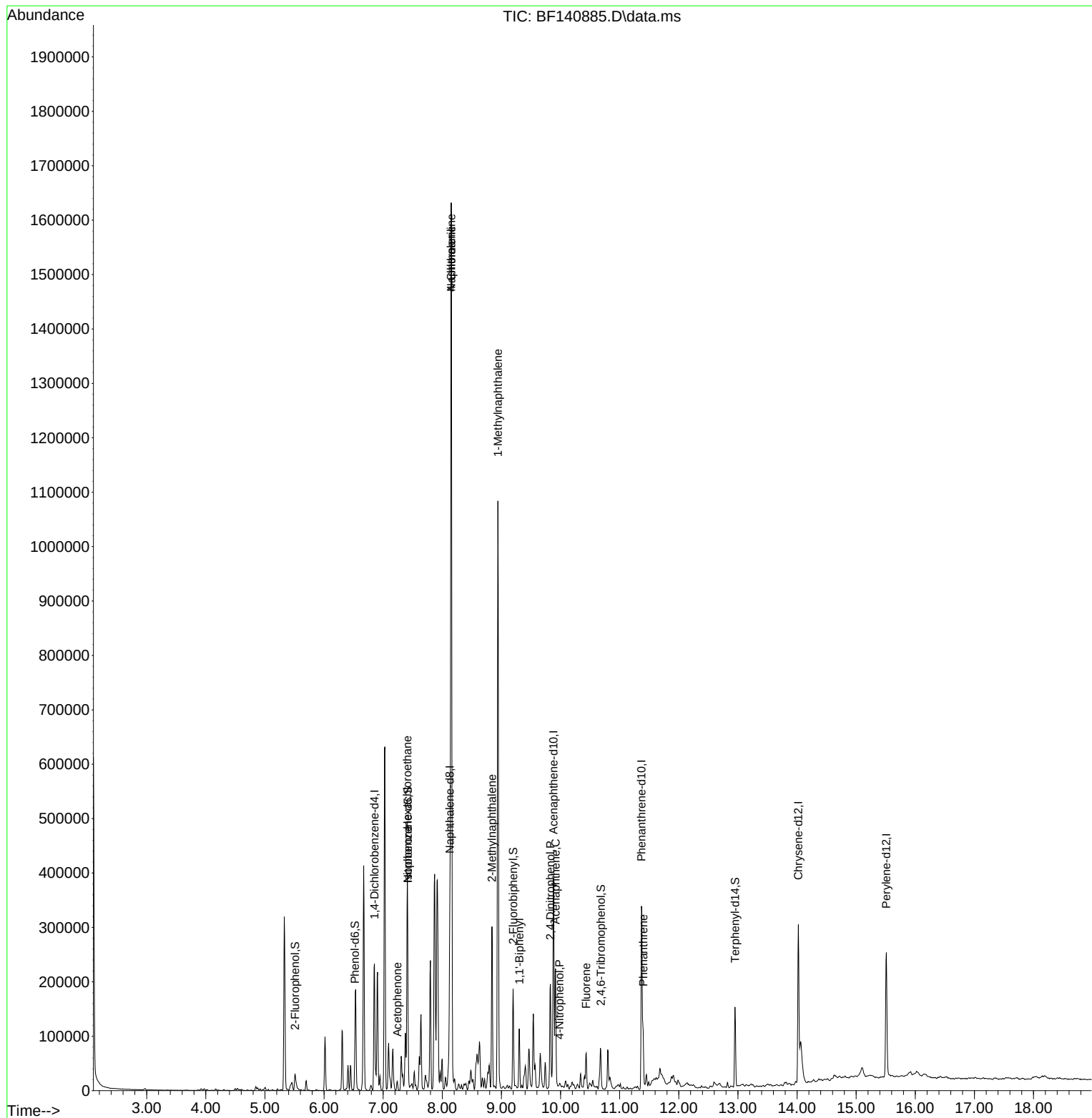
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.851  | 152  | 51871    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.128  | 136  | 191262   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.881  | 164  | 103044   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.369 | 188  | 183841   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.022 | 240  | 133693   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12            | 15.510 | 264  | 142721   | 20.000  | ng    | -0.04    |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.510  | 112  | 18952    | 6.015   | ng    | 0.02     |
| 7) Phenol-d6                | 6.522  | 99   | 13698    | 3.282   | ng    | 0.02     |
| 23) Nitrobenzene-d5         | 7.416  | 82   | 35254    | 9.222   | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.681 | 330  | 13526    | 11.099  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.198  | 172  | 77247    | 10.307  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.951 | 244  | 71093    | 8.385   | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 18) Hexachloroethane        | 7.410  | 117  | 159820   | 108.017 | ng    | # 1      |
| 22) Acetophenone            | 7.240  | 105  | 10355    | 2.164   | ng    | # 55     |
| 25) Isophorone              | 7.416  | 82   | 35253    | 5.504   | ng    | # 65     |
| 31) Naphthalene             | 8.151  | 128  | 1006135  | 95.766  | ng    | 100      |
| 33) 4-Chloroaniline         | 8.151  | 127  | 134092   | 38.428  | ng    | # 31     |
| 37) 2-Methylnaphthalene     | 8.839  | 142  | 109006   | 15.685  | ng    | 98       |
| 38) 1-Methylnaphthalene     | 8.939  | 142  | 404096   | 58.792  | ng    | 99       |
| 46) 1,1'-Biphenyl           | 9.304  | 154  | 51877    | 6.331   | ng    | 97       |
| 52) Acenaphthene            | 9.916  | 154  | 64096    | 10.893  | ng    | 98       |
| 54) 2,4-Dinitrophenol       | 9.828  | 184  | 320      | 6.904   | ng    | # 16     |
| 56) 4-Nitrophenol           | 9.981  | 139  | 132      | 4.582   | ng    | # 44     |
| 58) Fluorene                | 10.434 | 166  | 35159    | 4.674   | ng    | 95       |
| 71) Phenanthrene            | 11.398 | 178  | 56926    | 6.021   | ng    | 99       |
| -----                       |        |      |          |         |       |          |

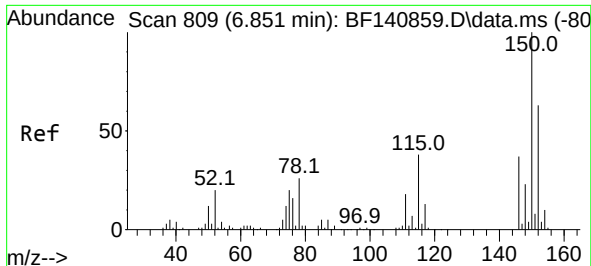
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121724\  
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Sample : P5270-07DL 10X  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW12-20241212DL

Quant Time: Dec 17 15:37:42 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF121624.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 16 16:59:50 2024  
Response via : Initial Calibration

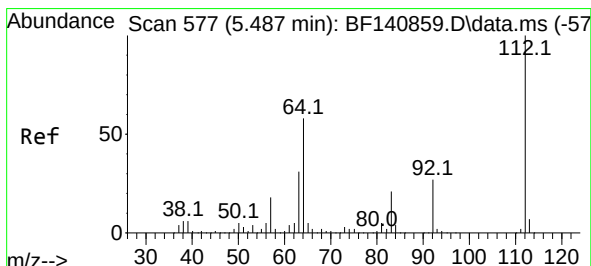
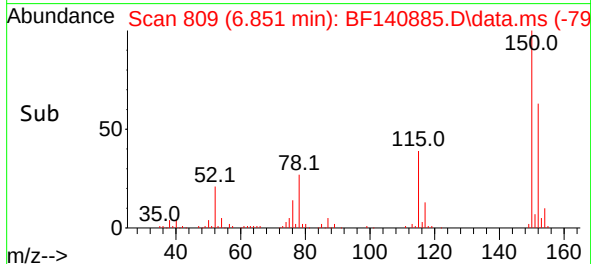
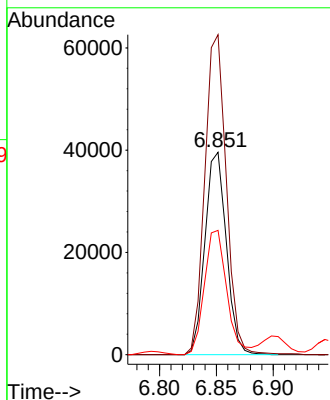
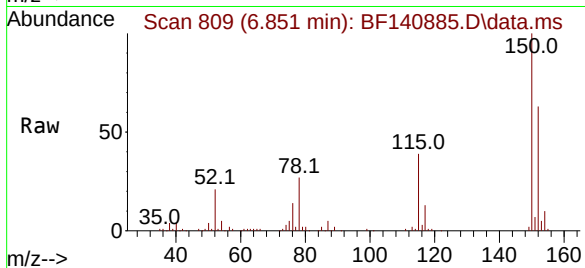




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.851 min Scan# 809  
Delta R.T. 0.000 min  
Lab File: BF140885.D  
Acq: 17 Dec 2024 15:12

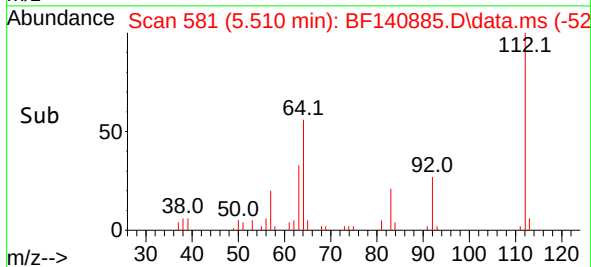
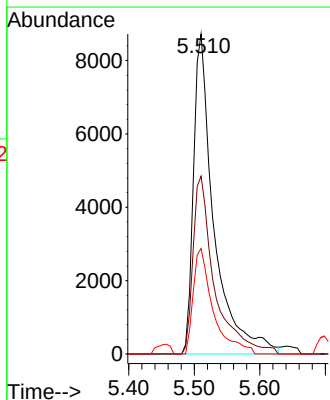
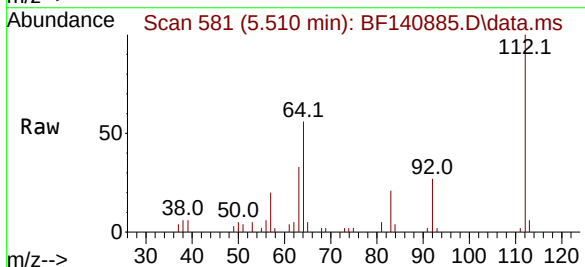
Instrument :  
BNA\_F  
ClientSampleId :  
MW12-20241212DL

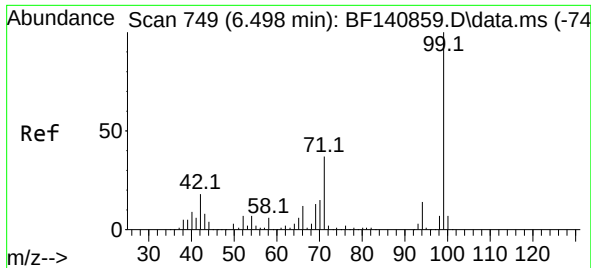
Tgt Ion:152 Resp: 51871  
Ion Ratio Lower Upper  
152 100  
150 158.1 127.9 191.9  
115 61.4 48.0 72.0



#5  
2-Fluorophenol  
Concen: 6.015 ng  
RT: 5.510 min Scan# 581  
Delta R.T. 0.024 min  
Lab File: BF140885.D  
Acq: 17 Dec 2024 15:12

Tgt Ion:112 Resp: 18952  
Ion Ratio Lower Upper  
112 100  
64 55.6 46.1 69.1  
63 33.0 24.9 37.3

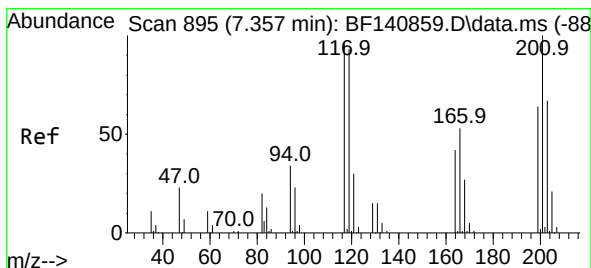
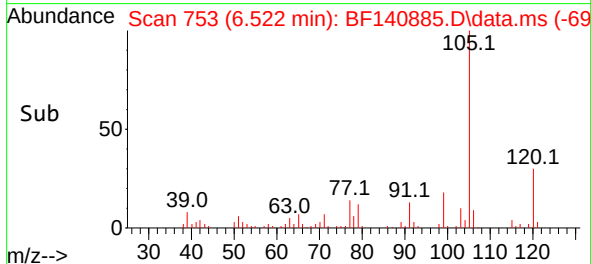
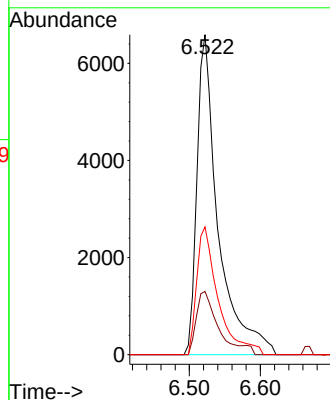
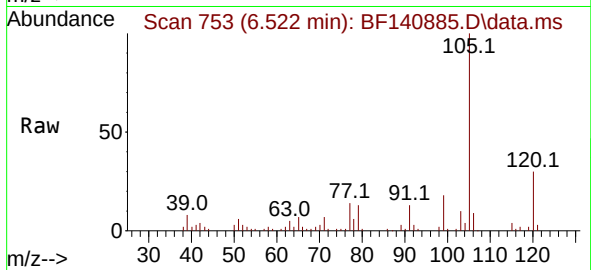




#7  
Phenol-d6  
Concen: 3.282 ng  
RT: 6.522 min Scan# 71  
Delta R.T. 0.024 min  
Lab File: BF140885.D  
Acq: 17 Dec 2024 15:12

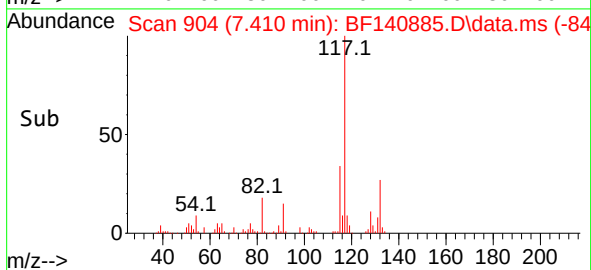
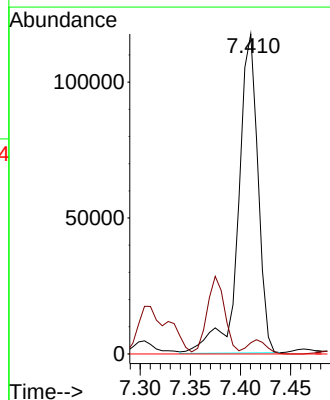
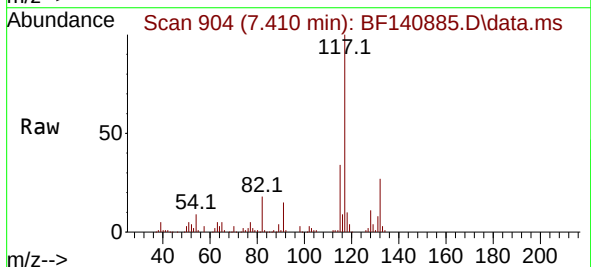
Instrument :  
BNA\_F  
ClientSampleId :  
MW12-20241212DL

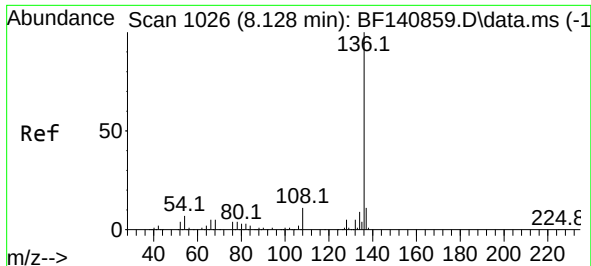
Tgt Ion: 99 Resp: 13698  
Ion Ratio Lower Upper  
99 100  
42 19.7 14.3 21.5  
71 39.9 29.9 44.9



#18  
Hexachloroethane  
Concen: 108.017 ng  
RT: 7.410 min Scan# 904  
Delta R.T. 0.053 min  
Lab File: BF140885.D  
Acq: 17 Dec 2024 15:12

Tgt Ion: 117 Resp: 159820  
Ion Ratio Lower Upper  
117 100  
119 3.5 77.4 116.0#  
201 0.0 83.4 125.0#

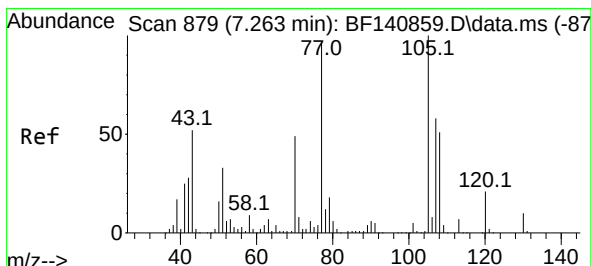
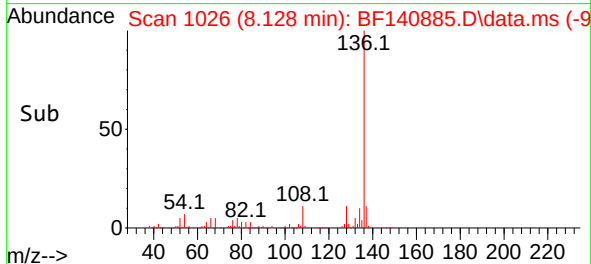
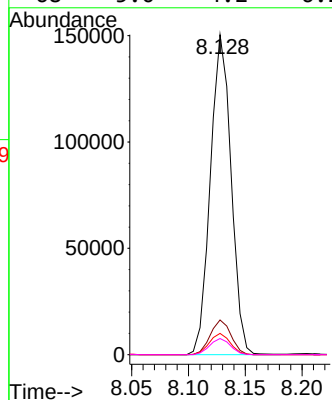
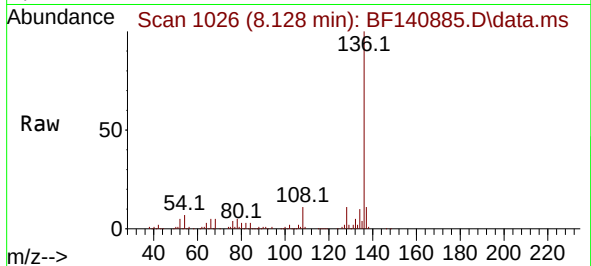




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.128 min Scan# 1026  
Delta R.T. 0.000 min  
Lab File: BF140885.D  
Acq: 17 Dec 2024 15:12

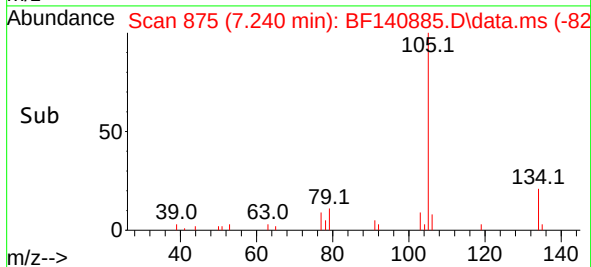
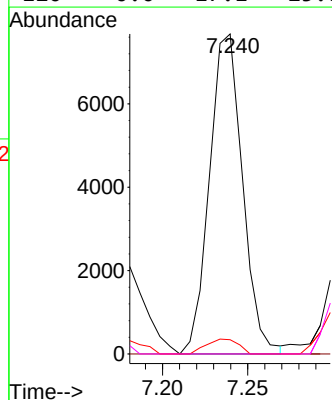
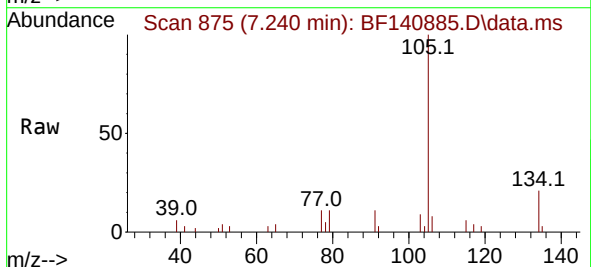
Instrument :  
BNA\_F  
ClientSampleId :  
MW12-20241212DL

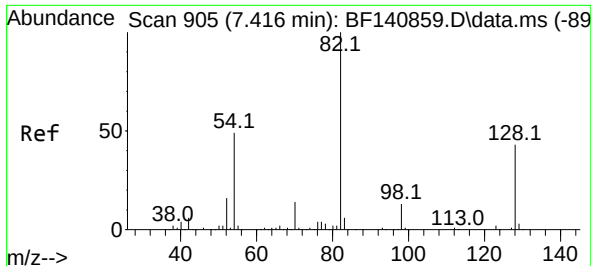
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 191262 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.8  | 9.0   | 13.4   |
| 54        | 6.6   | 5.6   | 8.4    |
| 68        | 5.0   | 4.2   | 6.2    |



#22  
Acetophenone  
Concen: 2.164 ng  
RT: 7.240 min Scan# 875  
Delta R.T. -0.024 min  
Lab File: BF140885.D  
Acq: 17 Dec 2024 15:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 10355 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 71        | 0.0   | 6.2   | 9.4#  |
| 51        | 4.5   | 26.3  | 39.5# |
| 120       | 0.0   | 17.1  | 25.7# |





#23

Nitrobenzene-d5

Concen: 9.222 ng

RT: 7.416 min Scan# 905

Delta R.T. 0.000 min

Lab File: BF140885.D

Acq: 17 Dec 2024 15:12

Instrument :

BNA\_F

ClientSampleId :

MW12-20241212DL

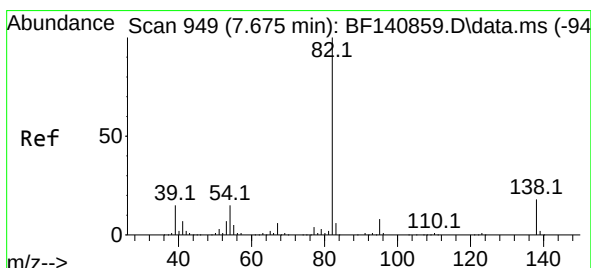
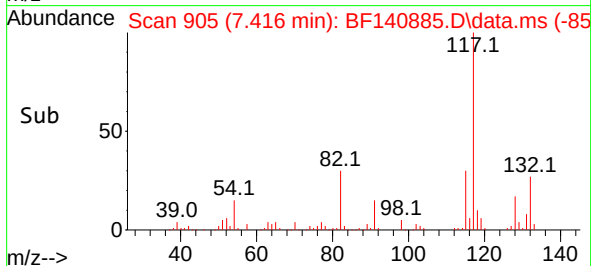
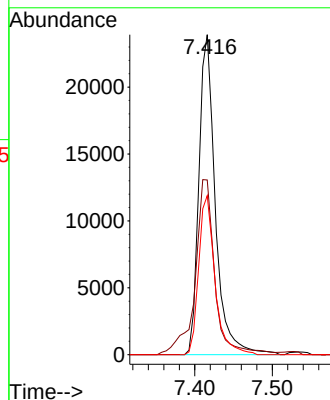
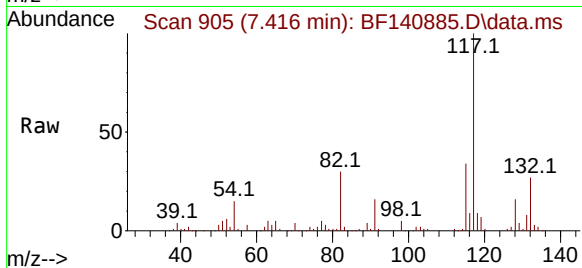
Tgt Ion: 82 Resp: 35254

Ion Ratio Lower Upper

82 100

128 54.6 34.4 51.6#

54 49.7 38.8 58.2



#25

Isophorone

Concen: 5.504 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.259 min

Lab File: BF140885.D

Acq: 17 Dec 2024 15:12

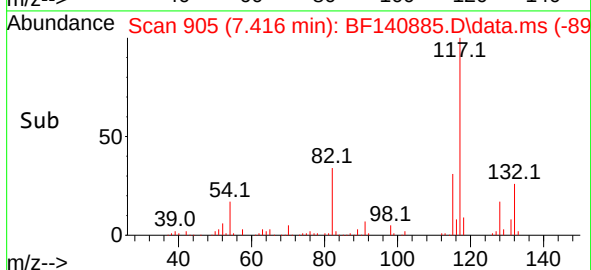
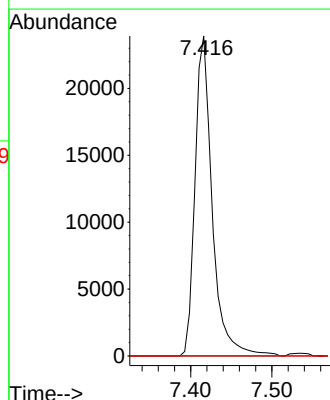
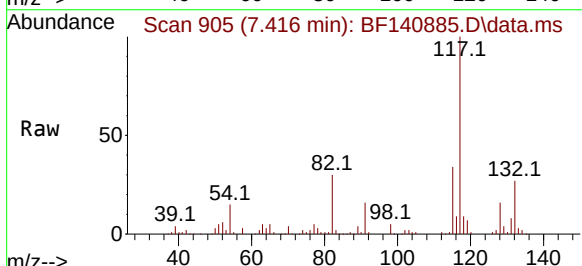
Tgt Ion: 82 Resp: 35253

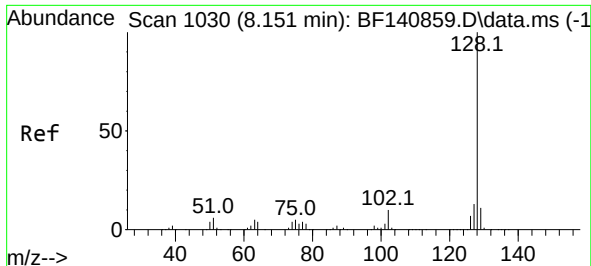
Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

138 0.0 14.1 21.1#

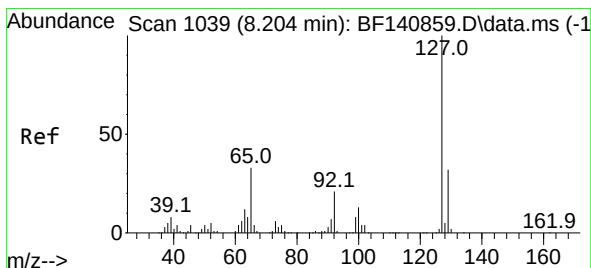
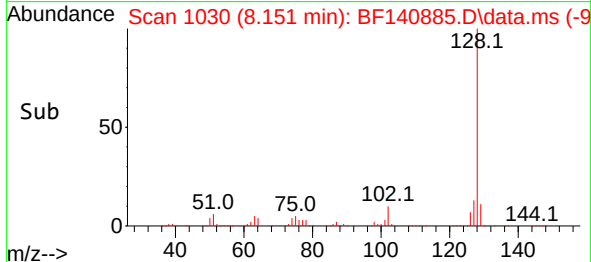
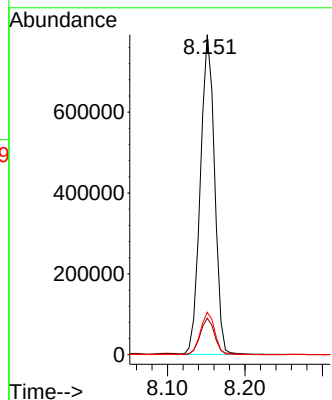
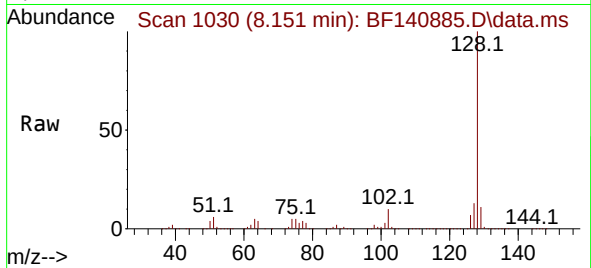




#31  
Naphthalene  
Concen: 95.766 ng  
RT: 8.151 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: BF140885.D  
Acq: 17 Dec 2024 15:12

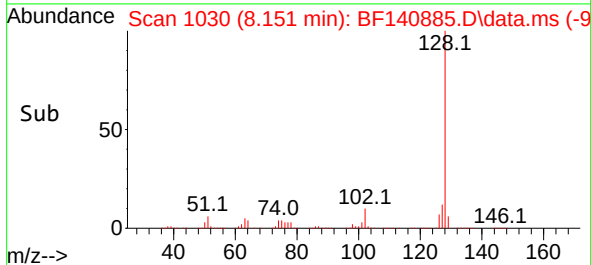
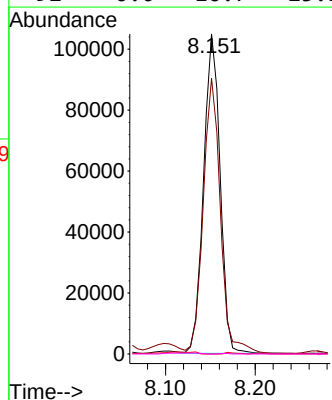
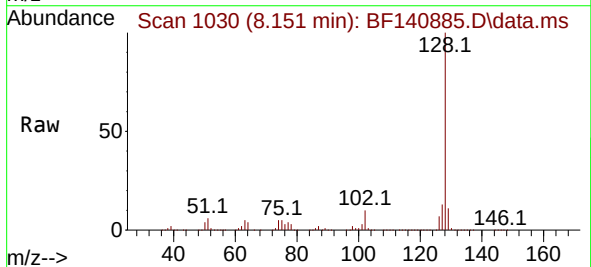
Instrument :  
BNA\_F  
ClientSampleId :  
MW12-20241212DL

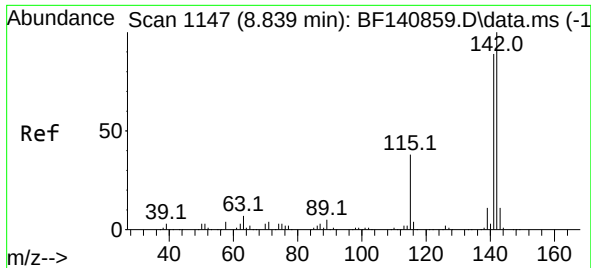
Tgt Ion:128 Resp: 1006135  
Ion Ratio Lower Upper  
128 100  
129 11.4 8.9 13.3  
127 13.3 10.6 16.0



#33  
4-Chloroaniline  
Concen: 38.428 ng  
RT: 8.151 min Scan# 1030  
Delta R.T. -0.053 min  
Lab File: BF140885.D  
Acq: 17 Dec 2024 15:12

Tgt Ion:127 Resp: 134092  
Ion Ratio Lower Upper  
127 100  
129 86.2 26.0 39.0#  
65 0.0 26.0 39.0#  
92 0.0 16.7 25.1#





#37

2-Methylnaphthalene

Concen: 15.685 ng

RT: 8.839 min Scan# 1147

Delta R.T. 0.000 min

Lab File: BF140885.D

Acq: 17 Dec 2024 15:12

Instrument :

BNA\_F

ClientSampleId :

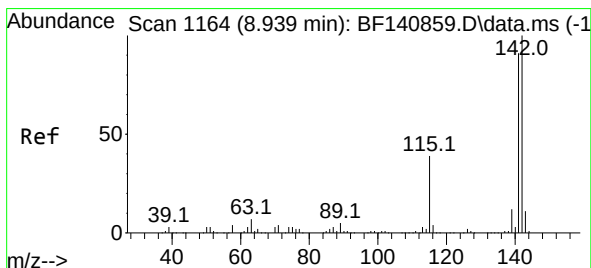
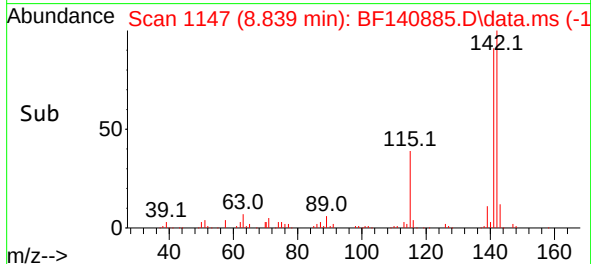
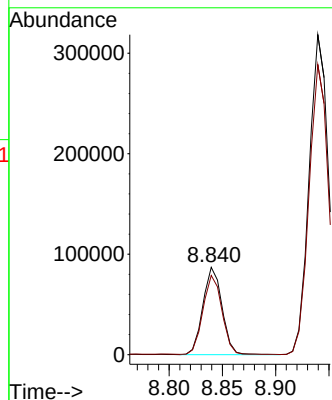
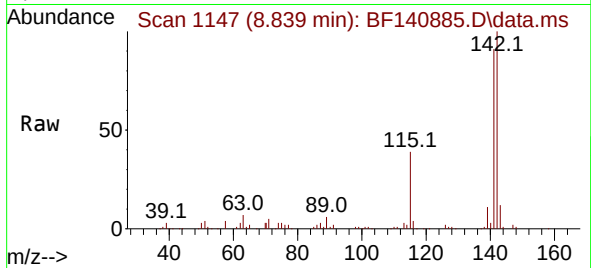
MW12-20241212DL

Tgt Ion:142 Resp: 109006

Ion Ratio Lower Upper

142 100

141 90.5 71.0 106.6



#38

1-Methylnaphthalene

Concen: 58.792 ng

RT: 8.939 min Scan# 1164

Delta R.T. 0.000 min

Lab File: BF140885.D

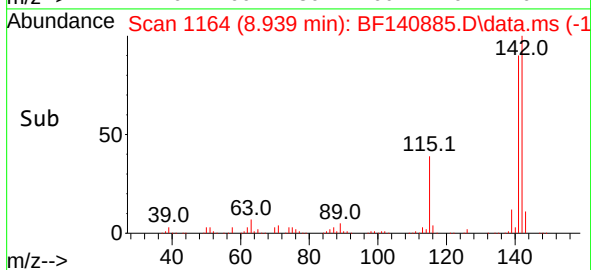
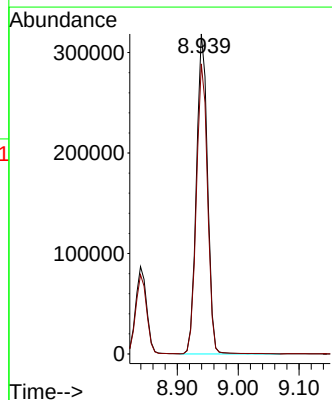
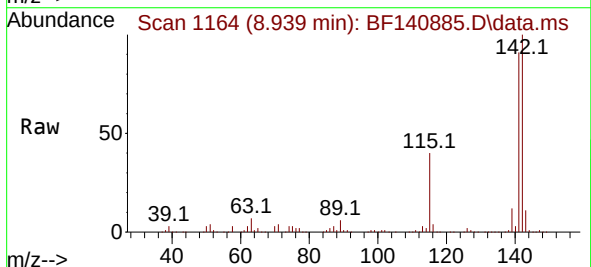
Acq: 17 Dec 2024 15:12

Tgt Ion:142 Resp: 404096

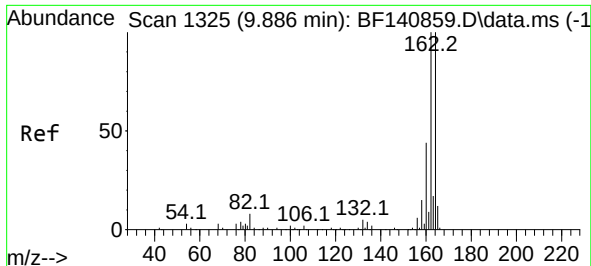
Ion Ratio Lower Upper

142 100

141 90.6 73.4 110.0

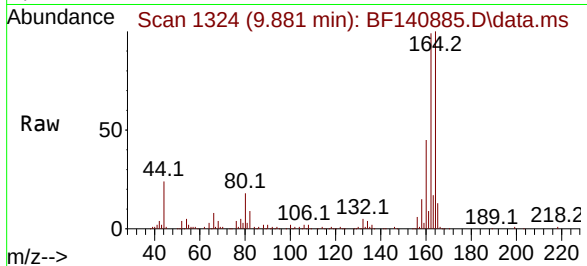




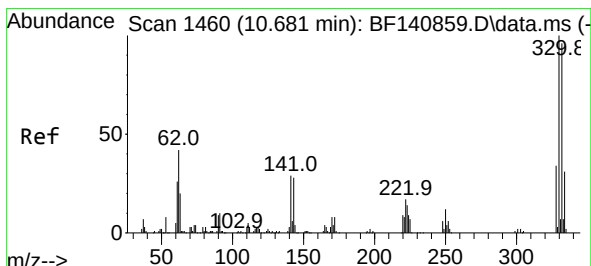
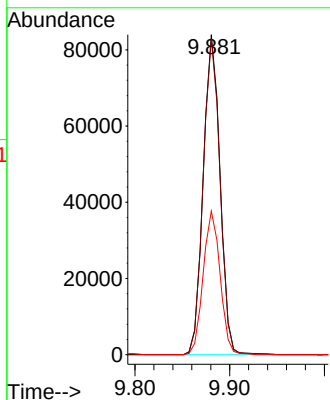
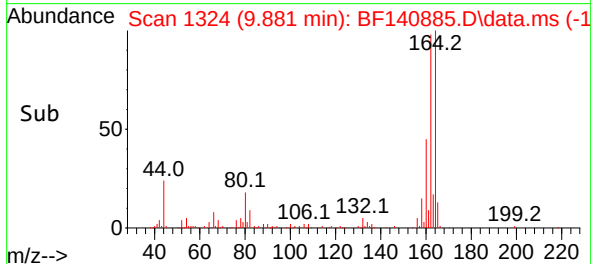


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.881 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BF140885.D  
Acq: 17 Dec 2024 15:12

Instrument :  
BNA\_F  
ClientSampleId :  
MW12-20241212DL

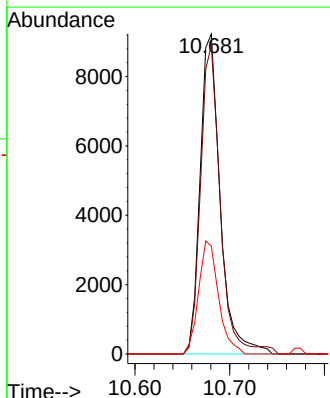
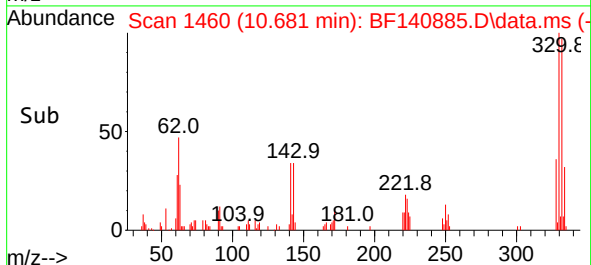
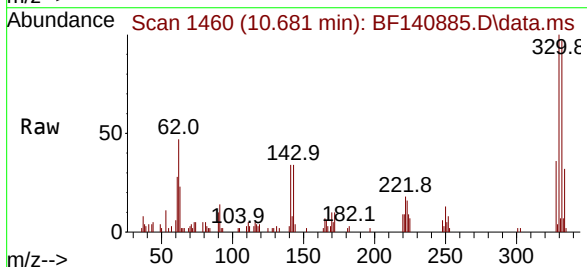


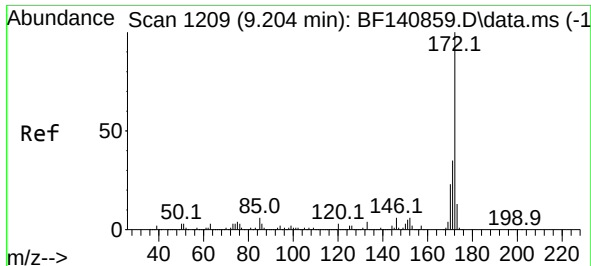
Tgt Ion:164 Resp: 103044  
Ion Ratio Lower Upper  
164 100  
162 98.8 79.9 119.9  
160 44.8 35.2 52.8



#42  
2,4,6-Tribromophenol  
Concen: 11.099 ng  
RT: 10.681 min Scan# 1460  
Delta R.T. 0.000 min  
Lab File: BF140885.D  
Acq: 17 Dec 2024 15:12

Tgt Ion:330 Resp: 13526  
Ion Ratio Lower Upper  
330 100  
332 95.0 76.2 114.4  
141 35.3 24.9 37.3

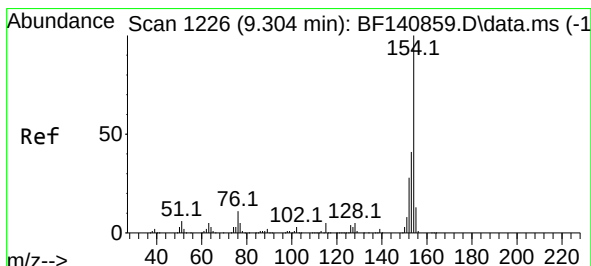
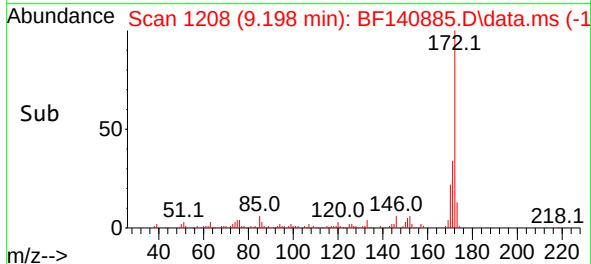
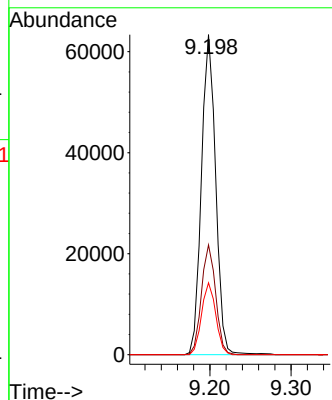
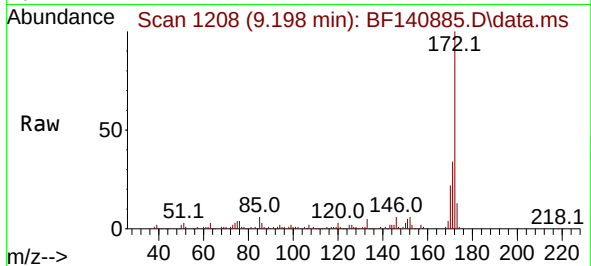




#45  
2-Fluorobiphenyl  
Concen: 10.307 ng  
RT: 9.198 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140885.D  
Acq: 17 Dec 2024 15:12

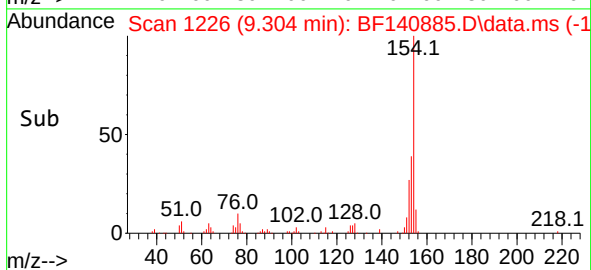
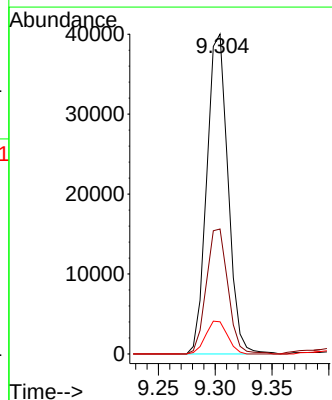
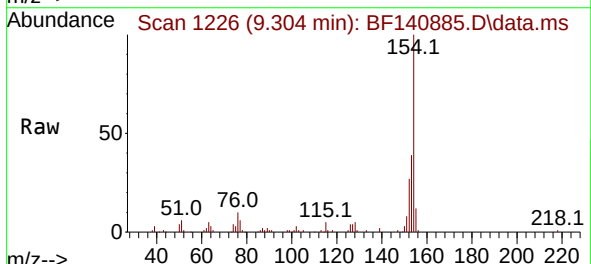
Instrument :  
BNA\_F  
ClientSampleId :  
MW12-20241212DL

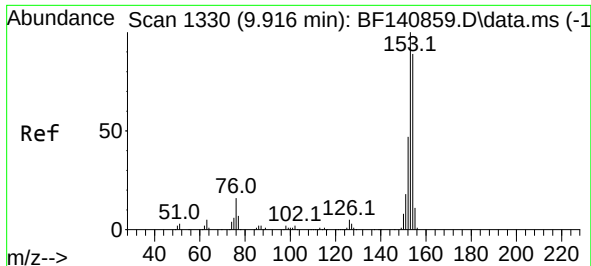
Tgt Ion:172 Resp: 77247  
Ion Ratio Lower Upper  
172 100  
171 34.3 28.4 42.6  
170 22.5 18.6 28.0



#46  
1,1'-Biphenyl  
Concen: 6.331 ng  
RT: 9.304 min Scan# 1226  
Delta R.T. 0.000 min  
Lab File: BF140885.D  
Acq: 17 Dec 2024 15:12

Tgt Ion:154 Resp: 51877  
Ion Ratio Lower Upper  
154 100  
153 39.1 20.8 60.8  
76 10.1 0.0 31.0

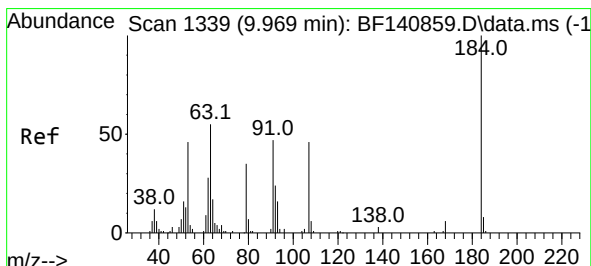
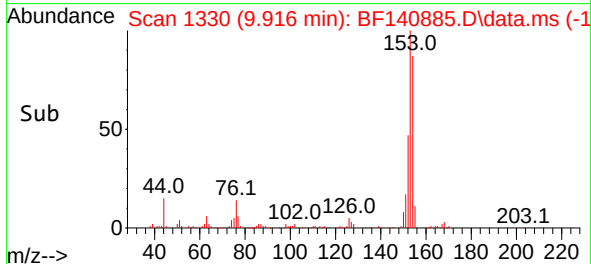
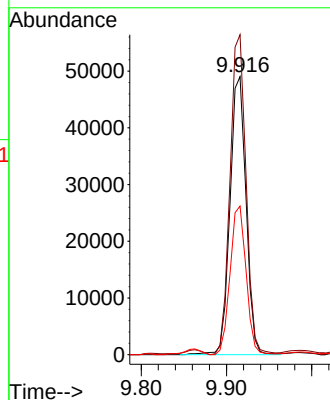
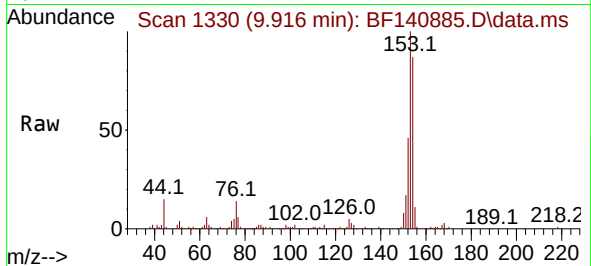




#52  
Acenaphthene  
Concen: 10.893 ng  
RT: 9.916 min Scan# 1330  
Delta R.T. 0.000 min  
Lab File: BF140885.D  
Acq: 17 Dec 2024 15:12

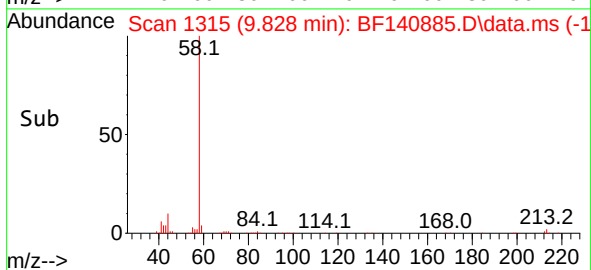
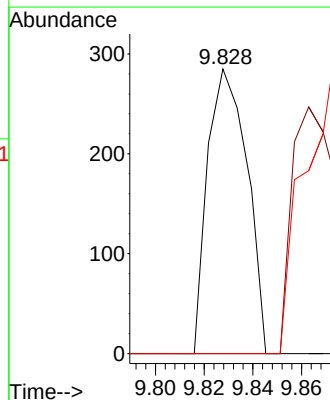
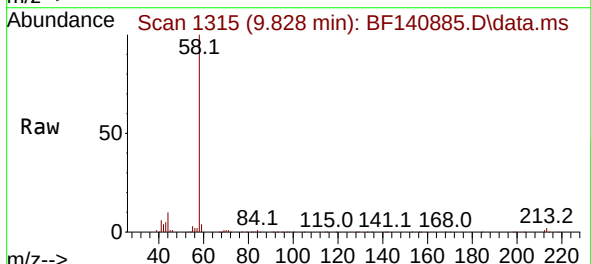
Instrument :  
BNA\_F  
ClientSampleId :  
MW12-20241212DL

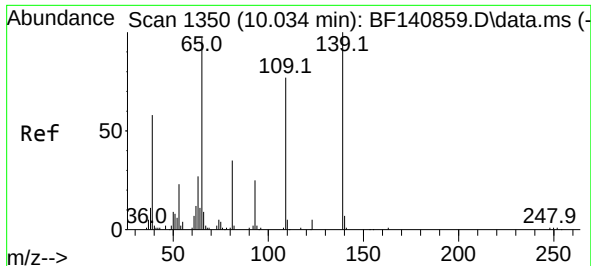
Tgt Ion:154 Resp: 64096  
Ion Ratio Lower Upper  
154 100  
153 115.1 89.9 134.9  
152 53.5 42.6 63.8



#54  
2,4-Dinitrophenol  
Concen: 6.904 ng  
RT: 9.828 min Scan# 1315  
Delta R.T. -0.141 min  
Lab File: BF140885.D  
Acq: 17 Dec 2024 15:12

Tgt Ion:184 Resp: 320  
Ion Ratio Lower Upper  
184 100  
63 0.0 51.6 77.4#  
154 0.0 56.1 84.1#

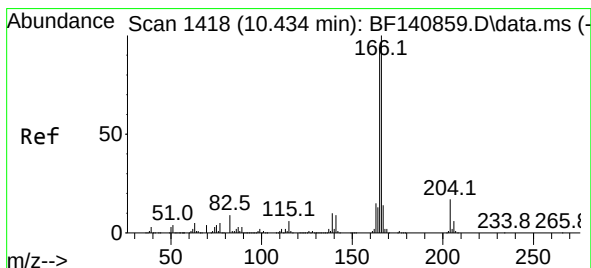
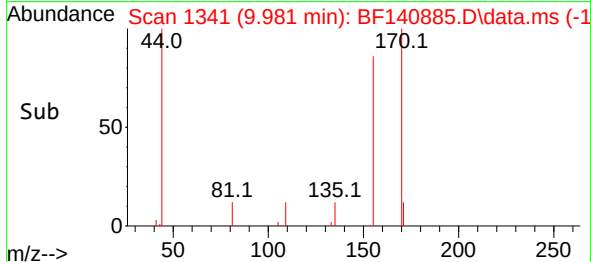
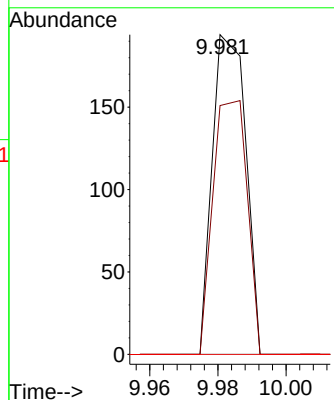
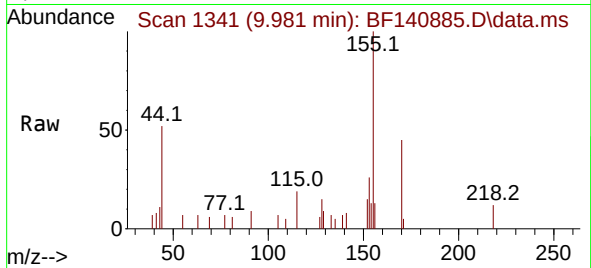




#56  
4-Nitrophenol  
Concen: 4.582 ng  
RT: 9.981 min Scan# 1341  
Delta R.T. -0.053 min  
Lab File: BF140885.D  
Acq: 17 Dec 2024 15:12

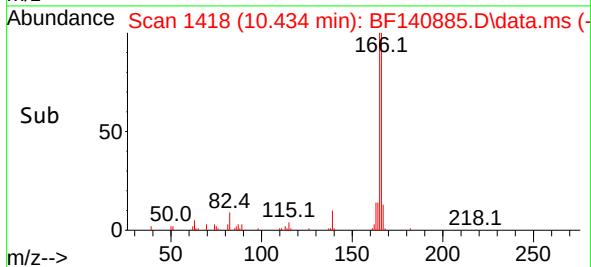
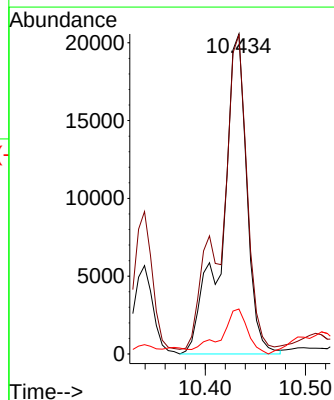
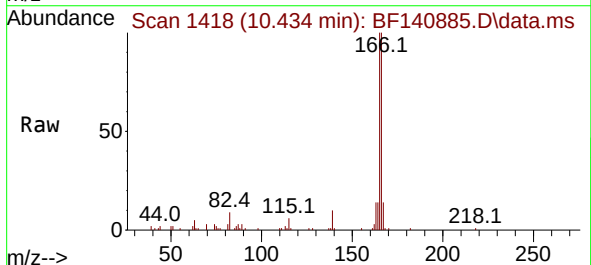
Instrument :  
BNA\_F  
ClientSampleId :  
MW12-20241212DL

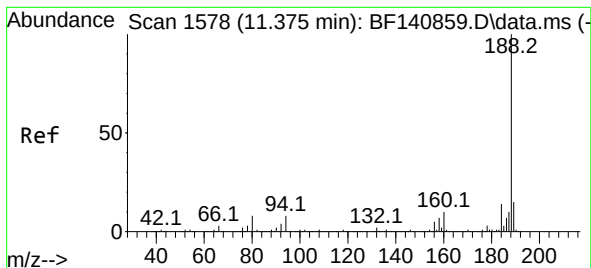
Tgt Ion:139 Resp: 132  
Ion Ratio Lower Upper  
139 100  
109 77.8 56.7 96.7  
65 0.0 78.1 118.1#



#58  
Fluorene  
Concen: 4.674 ng  
RT: 10.434 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: BF140885.D  
Acq: 17 Dec 2024 15:12

Tgt Ion:166 Resp: 35159  
Ion Ratio Lower Upper  
166 100  
165 99.7 75.1 112.7  
167 14.1 11.1 16.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1577

Delta R.T. -0.006 min

Lab File: BF140885.D

Acq: 17 Dec 2024 15:12

Instrument :

BNA\_F

ClientSampleId :

MW12-20241212DL

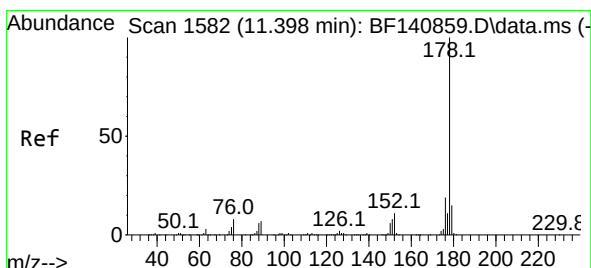
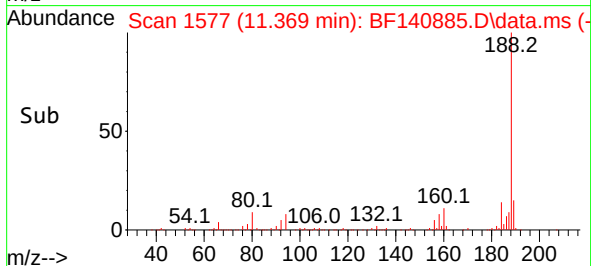
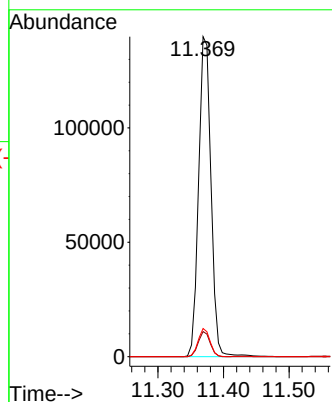
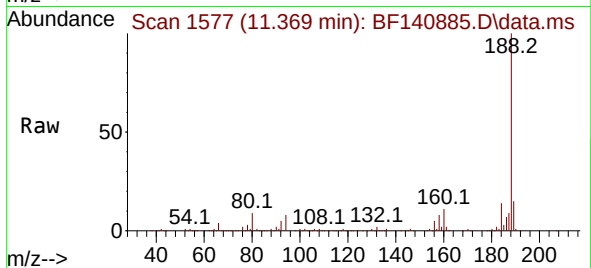
Tgt Ion:188 Resp: 183841

Ion Ratio Lower Upper

188 100

94 7.8 6.4 9.6

80 8.8 6.8 10.2



#71

Phenanthrene

Concen: 6.021 ng

RT: 11.398 min Scan# 1582

Delta R.T. 0.000 min

Lab File: BF140885.D

Acq: 17 Dec 2024 15:12

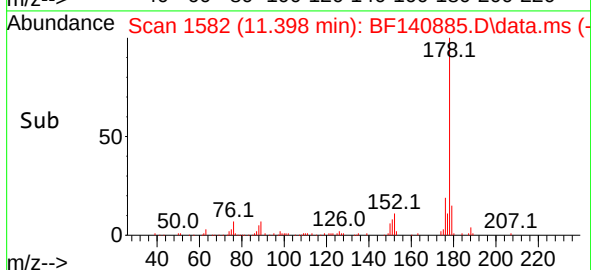
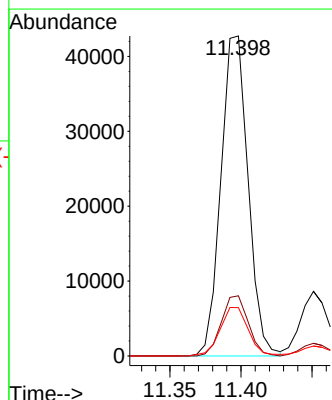
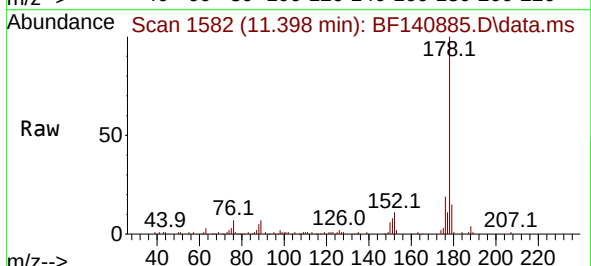
Tgt Ion:178 Resp: 56926

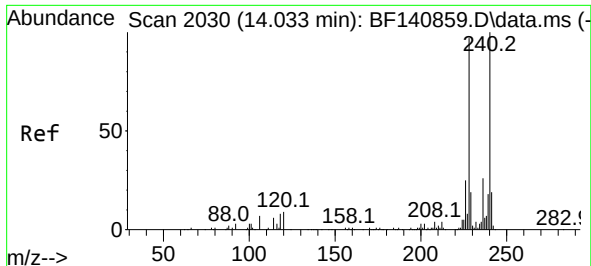
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

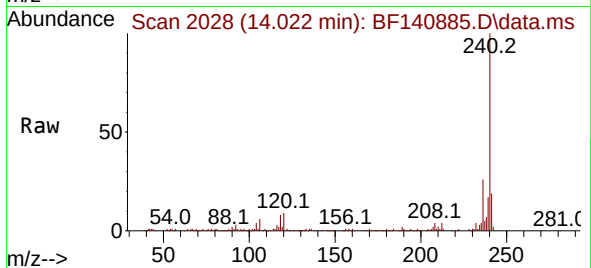
179 15.1 12.1 18.1



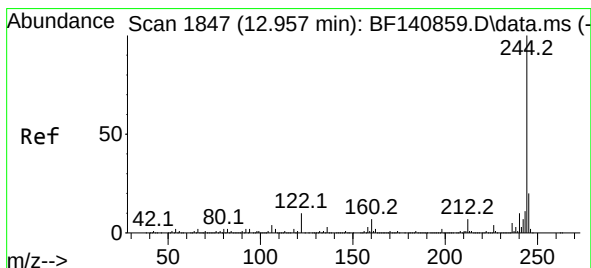
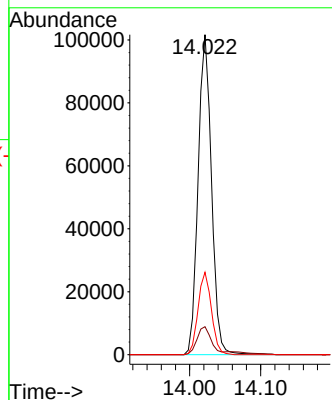
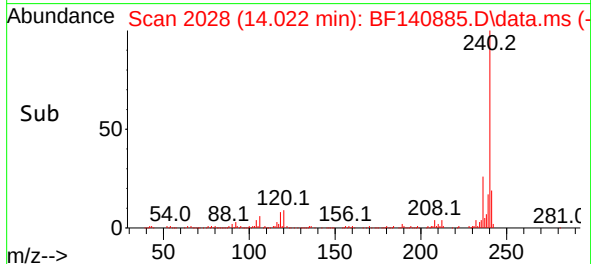


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.022 min Scan# 2030  
Delta R.T. -0.012 min  
Lab File: BF140885.D  
Acq: 17 Dec 2024 15:12

Instrument :  
BNA\_F  
ClientSampleId :  
MW12-20241212DL

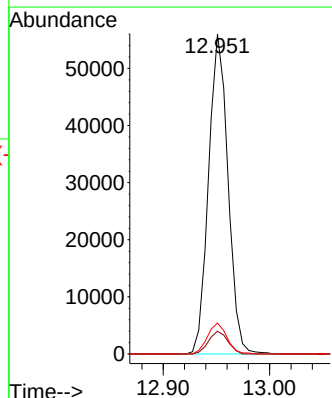
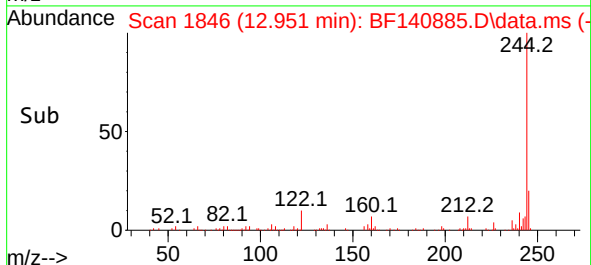
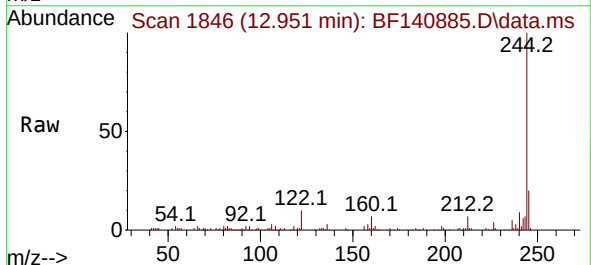


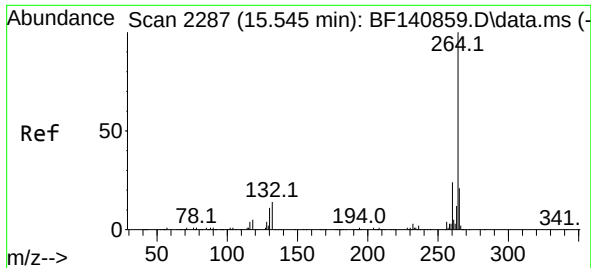
Tgt Ion:240 Resp: 133693  
Ion Ratio Lower Upper  
240 100  
120 8.8 7.6 11.4  
236 25.7 20.5 30.7



#79  
Terphenyl-d14  
Concen: 8.385 ng  
RT: 12.951 min Scan# 1846  
Delta R.T. -0.006 min  
Lab File: BF140885.D  
Acq: 17 Dec 2024 15:12

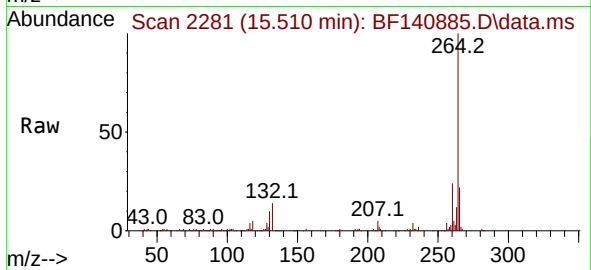
Tgt Ion:244 Resp: 71093  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.6 8.4  
122 9.6 8.2 12.2





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.510 min Scan# 21  
 Delta R.T. -0.035 min  
 Lab File: BF140885.D  
 Acq: 17 Dec 2024 15:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW12-20241212DL



Tgt Ion:264 Resp: 142721

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 19.1  | 28.7  |
| 265 | 21.5  | 17.0  | 25.4  |

