

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070325\  
 Data File : BF142992.D  
 Acq On : 03 Jul 2025 12:25  
 Operator : RC/JU  
 Sample : PB168685BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB168685BL

Quant Time: Jul 03 12:58:07 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 24 05:28:21 2025  
 Response via : Initial Calibration

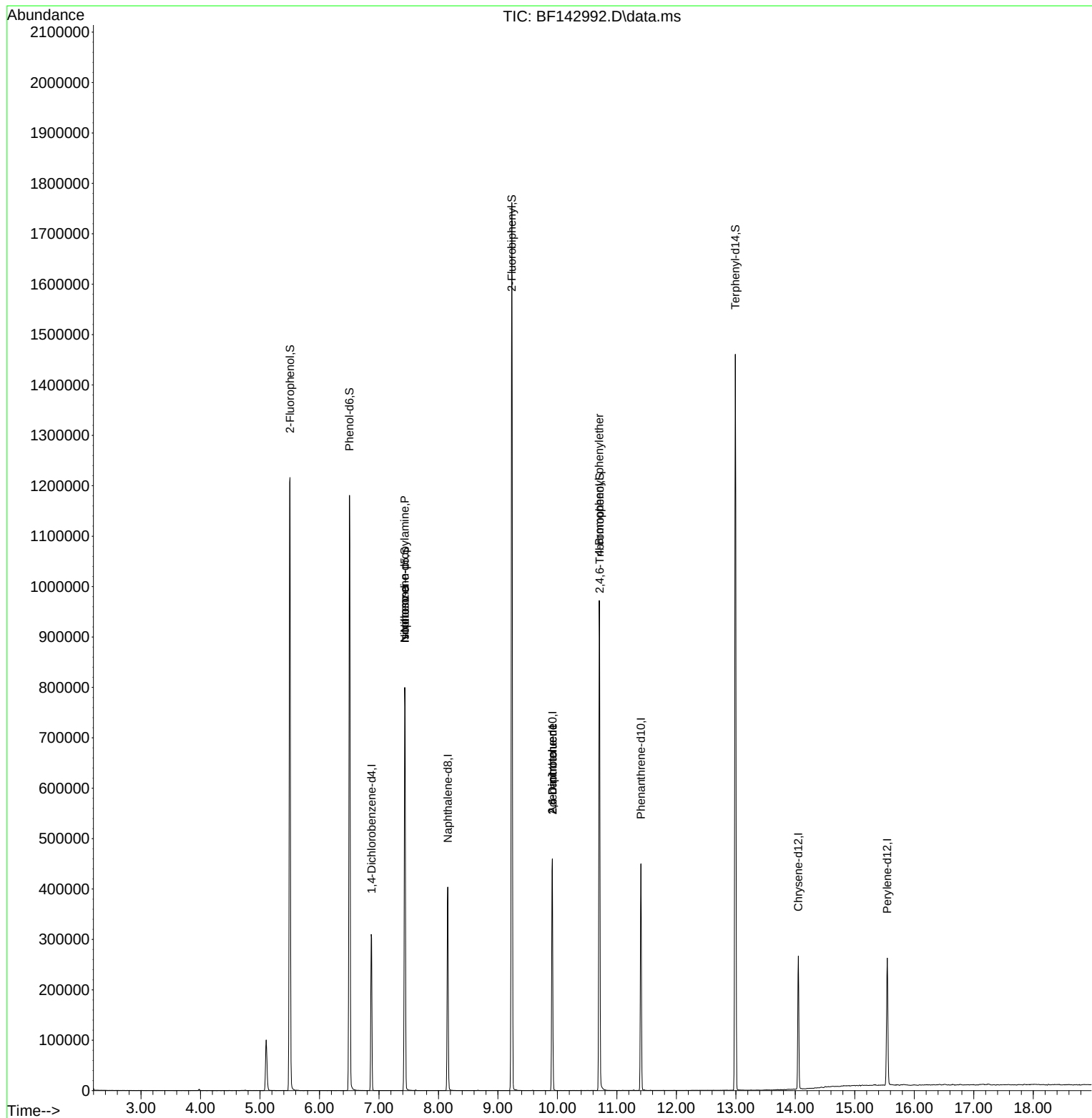
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 71958    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 270236   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.916  | 164  | 144389   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 235744   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 133506   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.545 | 264  | 152353   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 495533   | 114.654 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.504  | 99   | 583362   | 114.405 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 366248   | 74.339  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 175996   | 118.447 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 810614   | 73.751  | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.992 | 244  | 715353   | 74.034  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.434  | 70   | 48973    | 16.513  | ng    | # 75     |
| 25) Isophorone                | 7.434  | 82   | 363684   | 46.017  | ng    | # 62     |
| 51) 2,6-Dinitrotoluene        | 9.916  | 165  | 18750    | 9.135   | ng    | # 26     |
| 57) 2,4-Dinitrotoluene        | 9.916  | 165  | 18750    | 6.877   | ng    | # 26     |
| 67) 4-Bromophenyl-phenylether | 10.704 | 248  | 11627    | 4.334   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

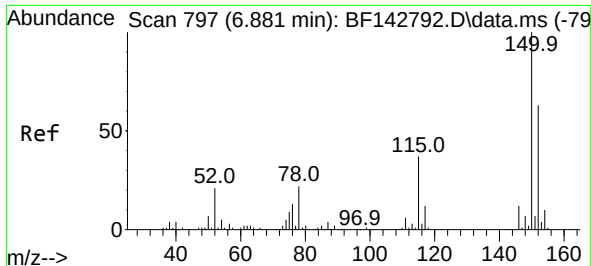
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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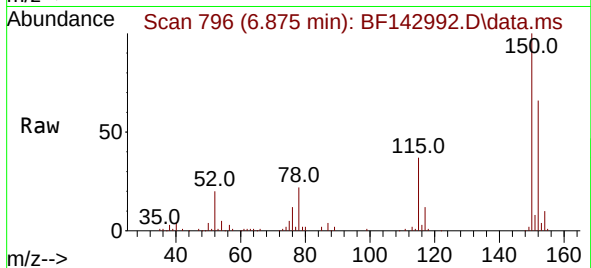
Quant Time: Jul 03 12:58:07 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 24 05:28:21 2025  
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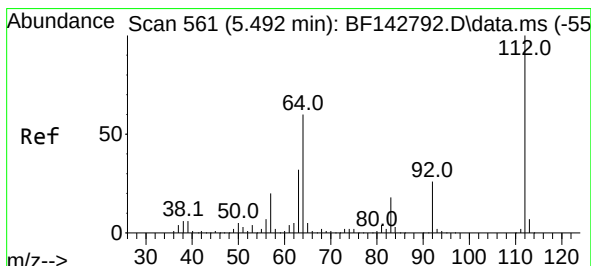
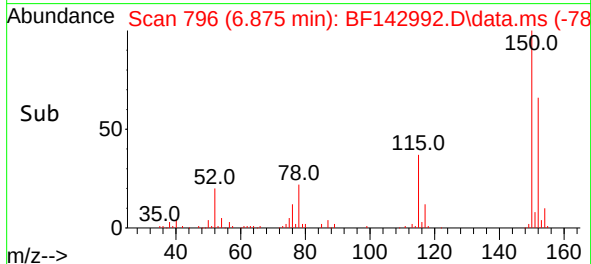
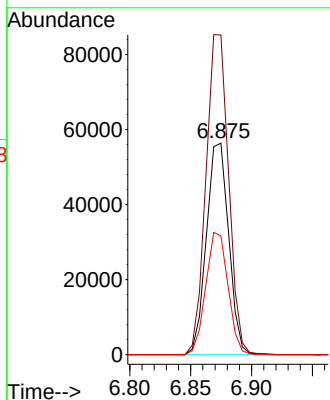


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 797  
Delta R.T. -0.006 min  
Lab File: BF142992.D  
Acq: 03 Jul 2025 12:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB168685BL

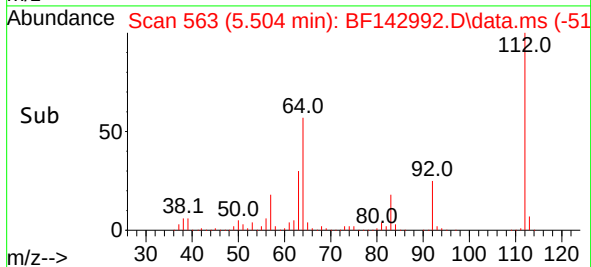
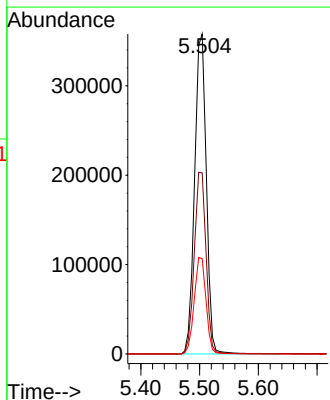
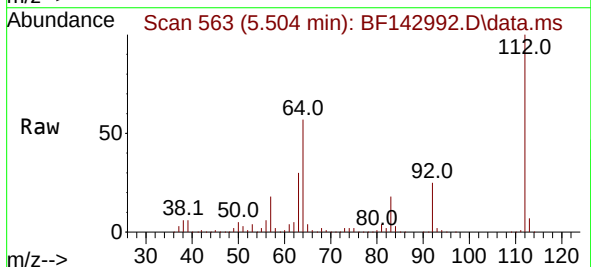


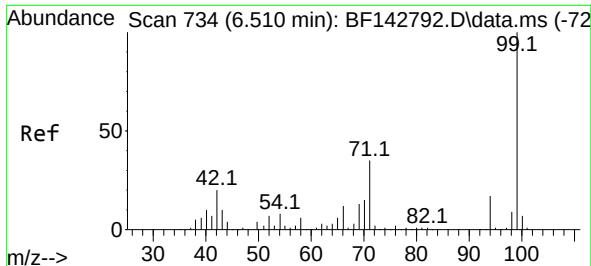
Tgt Ion:152 Resp: 71958  
Ion Ratio Lower Upper  
152 100  
150 151.1 127.2 190.8  
115 56.2 46.6 69.8



#5  
2-Fluorophenol  
Concen: 114.654 ng  
RT: 5.504 min Scan# 563  
Delta R.T. 0.012 min  
Lab File: BF142992.D  
Acq: 03 Jul 2025 12:25

Tgt Ion:112 Resp: 495533  
Ion Ratio Lower Upper  
112 100  
64 56.6 48.2 72.2  
63 29.8 25.7 38.5

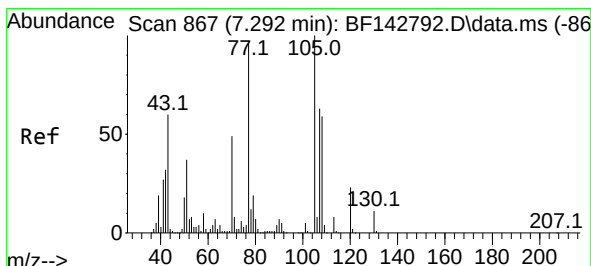
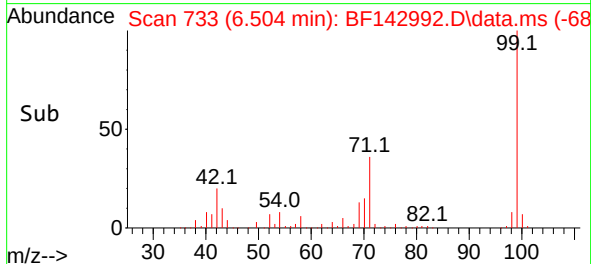
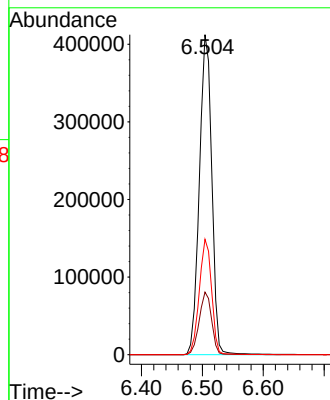
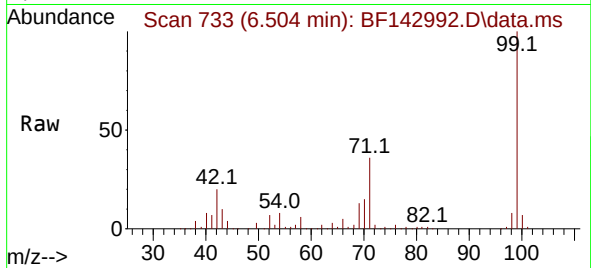




#7  
Phenol-d6  
Concen: 114.405 ng  
RT: 6.504 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF142992.D  
Acq: 03 Jul 2025 12:25

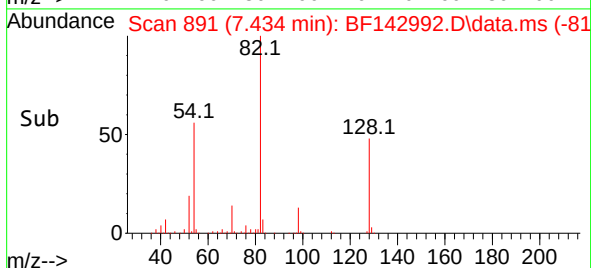
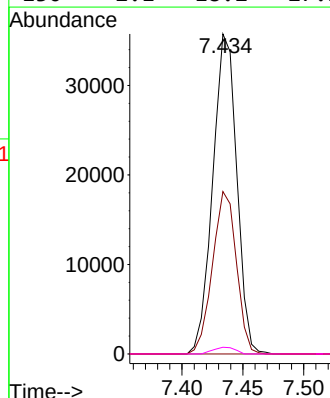
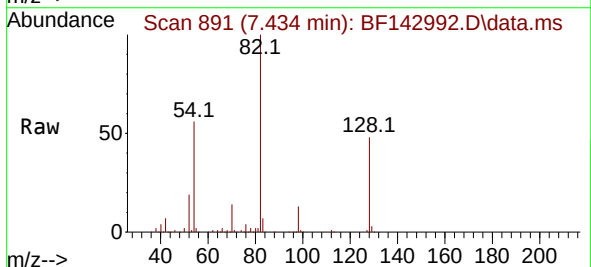
Instrument :  
BNA\_F  
ClientSampleId :  
PB168685BL

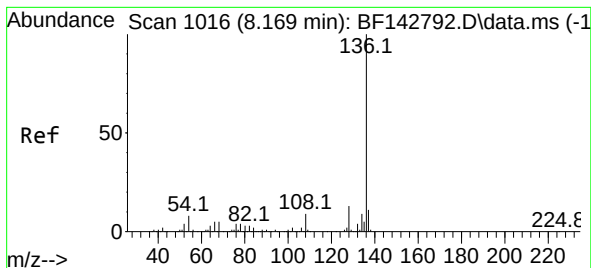
Tgt Ion: 99 Resp: 583362  
Ion Ratio Lower Upper  
99 100  
42 19.5 15.9 23.9  
71 36.0 27.8 41.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.513 ng  
RT: 7.434 min Scan# 891  
Delta R.T. 0.141 min  
Lab File: BF142992.D  
Acq: 03 Jul 2025 12:25

Tgt Ion: 70 Resp: 48973  
Ion Ratio Lower Upper  
70 100  
42 50.8 52.1 78.1#  
101 0.0 8.2 12.2#  
130 2.1 18.2 27.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BF142992.D

Acq: 03 Jul 2025 12:25

Instrument :

BNA\_F

ClientSampleId :

PB168685BL

Tgt Ion:136 Resp: 270236

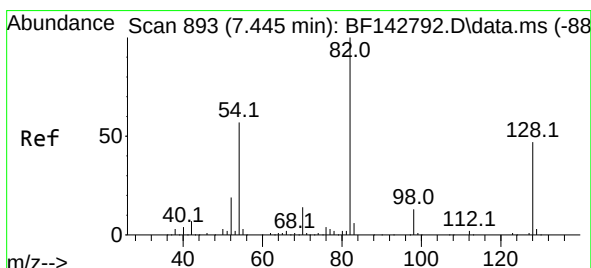
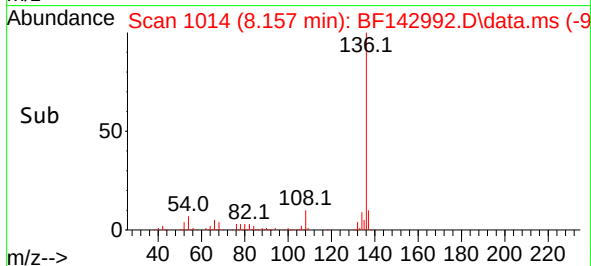
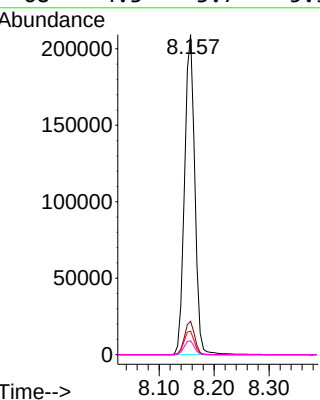
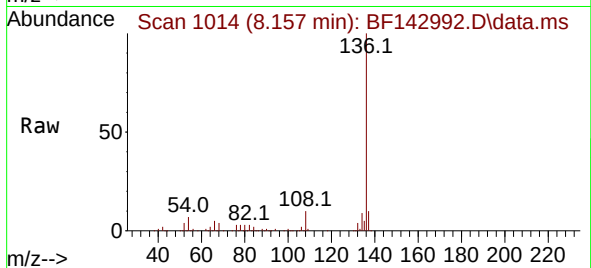
Ion Ratio Lower Upper

136 100

137 10.5 8.4 12.6

54 7.3 6.3 9.5

68 4.3 3.7 5.5



#23

Nitrobenzene-d5

Concen: 74.339 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF142992.D

Acq: 03 Jul 2025 12:25

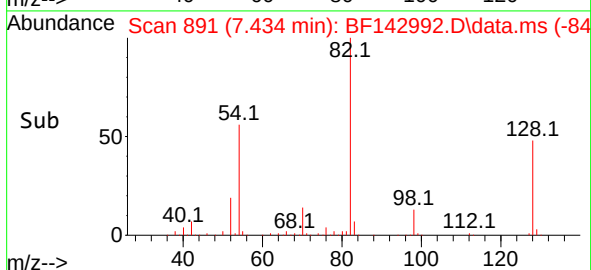
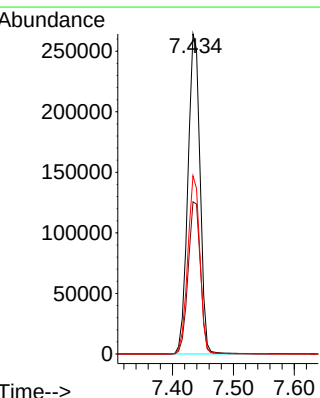
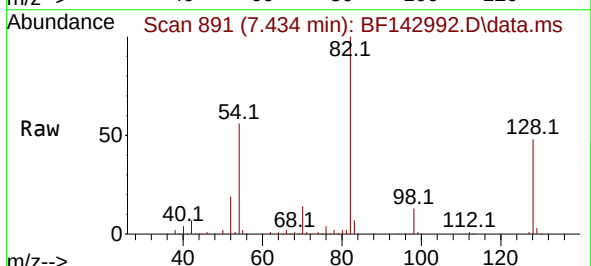
Tgt Ion: 82 Resp: 366248

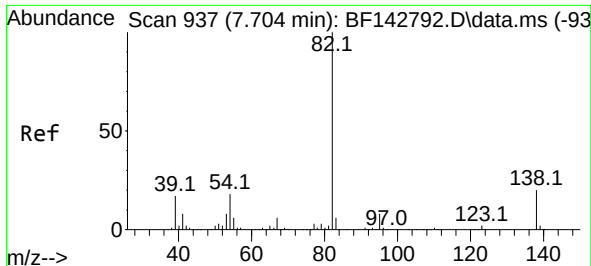
Ion Ratio Lower Upper

82 100

128 47.6 37.7 56.5

54 55.7 45.7 68.5

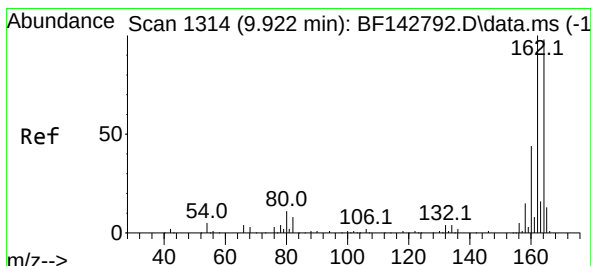
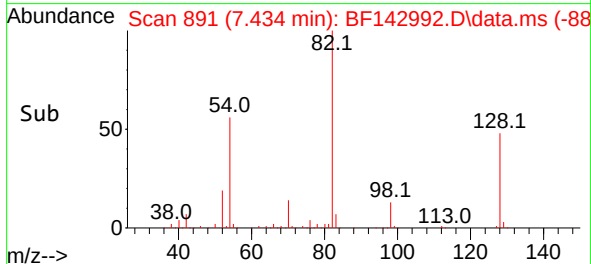
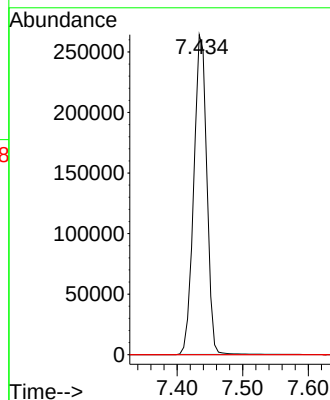
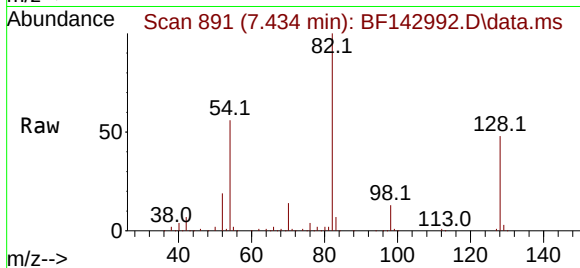




#25  
Isophorone  
Concen: 46.017 ng  
RT: 7.434 min Scan# 89  
Delta R.T. -0.271 min  
Lab File: BF142992.D  
Acq: 03 Jul 2025 12:25

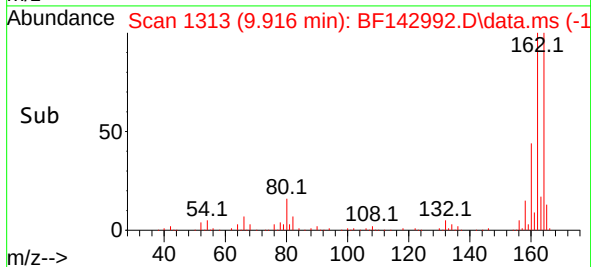
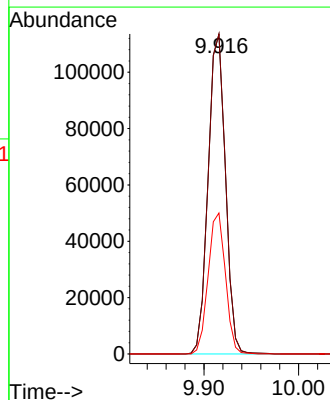
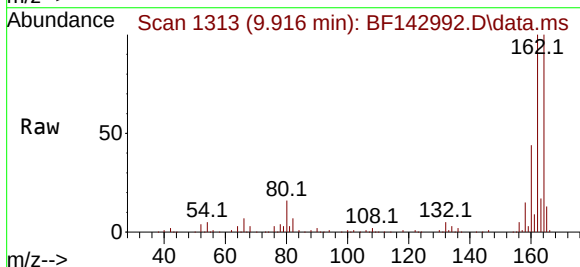
Instrument :  
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ClientSampleId :  
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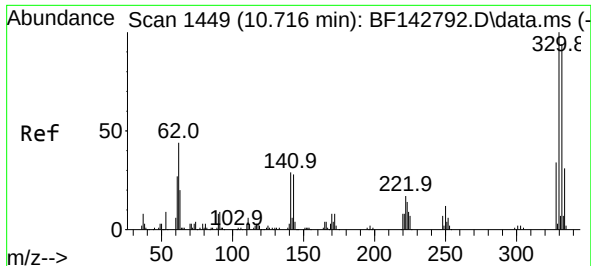
Tgt Ion: 82 Resp: 363684  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.2 9.2#  
138 0.0 16.2 24.4#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.916 min Scan# 1313  
Delta R.T. -0.006 min  
Lab File: BF142992.D  
Acq: 03 Jul 2025 12:25

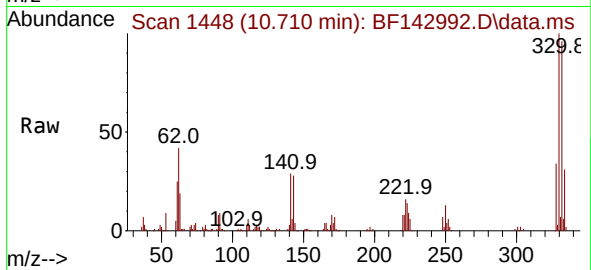
Tgt Ion:164 Resp: 144389  
Ion Ratio Lower Upper  
164 100  
162 100.2 81.8 122.8  
160 44.1 36.0 54.0



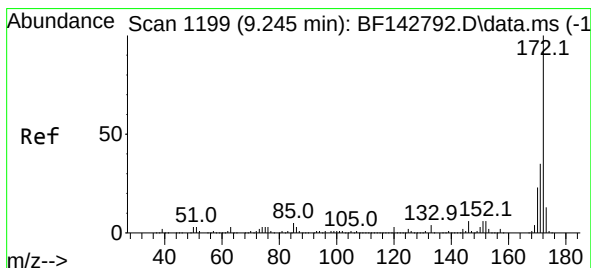
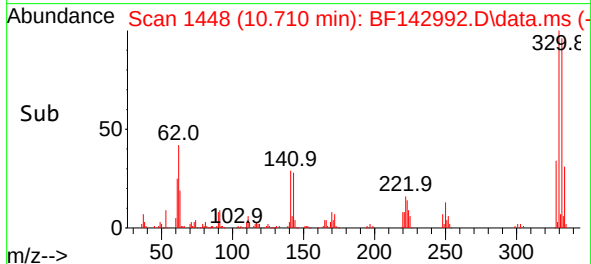
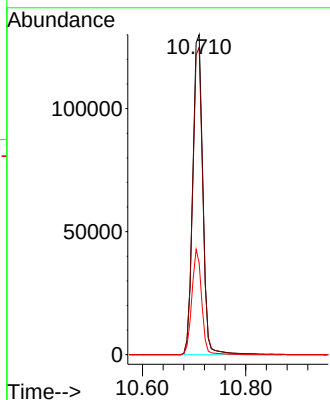


#42  
2,4,6-Tribromophenol  
Concen: 118.447 ng  
RT: 10.710 min Scan# 1449  
Delta R.T. -0.006 min  
Lab File: BF142992.D  
Acq: 03 Jul 2025 12:25

Instrument :  
BNA\_F  
ClientSampleId :  
PB168685BL

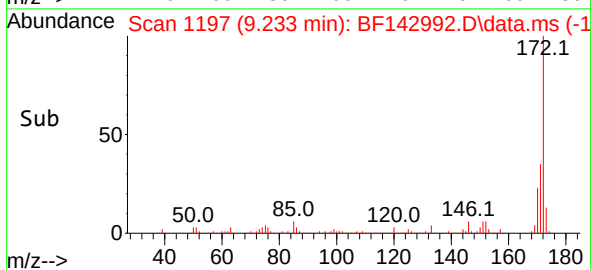
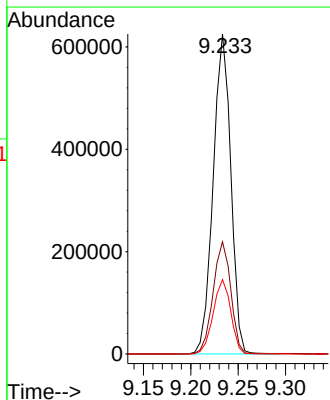
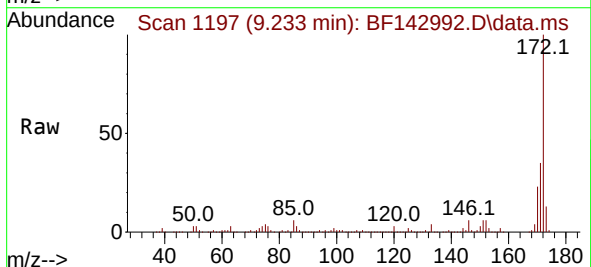


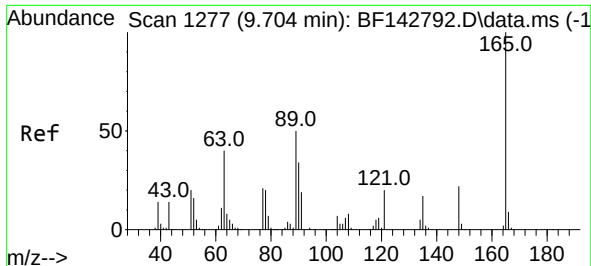
Tgt Ion:330 Resp: 175996  
Ion Ratio Lower Upper  
330 100  
332 96.5 75.0 112.6  
141 31.9 25.3 37.9



#45  
2-Fluorobiphenyl  
Concen: 73.751 ng  
RT: 9.233 min Scan# 1197  
Delta R.T. -0.012 min  
Lab File: BF142992.D  
Acq: 03 Jul 2025 12:25

Tgt Ion:172 Resp: 810614  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.2 42.4  
170 23.2 18.5 27.7

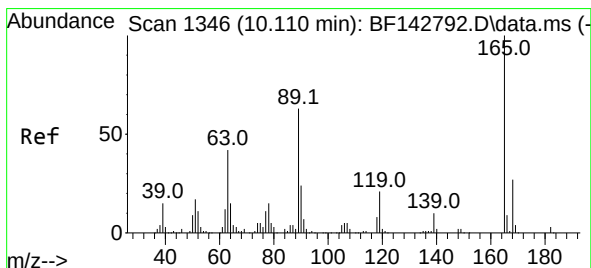
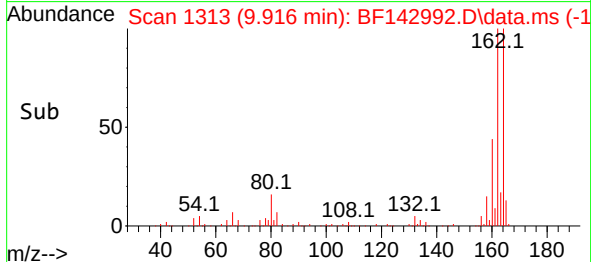
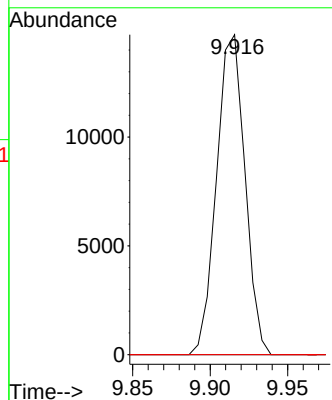
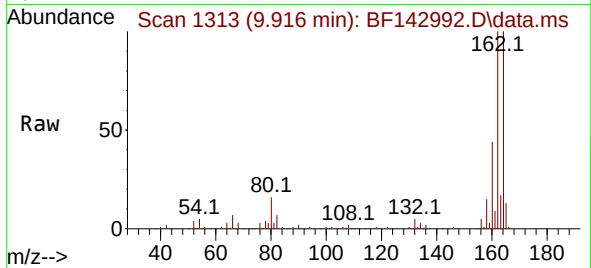




#51  
2,6-Dinitrotoluene  
Concen: 9.135 ng  
RT: 9.916 min Scan# 11  
Delta R.T. 0.212 min  
Lab File: BF142992.D  
Acq: 03 Jul 2025 12:25

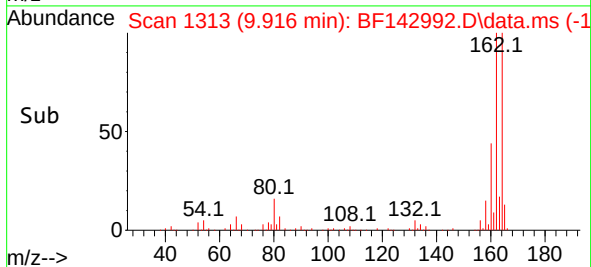
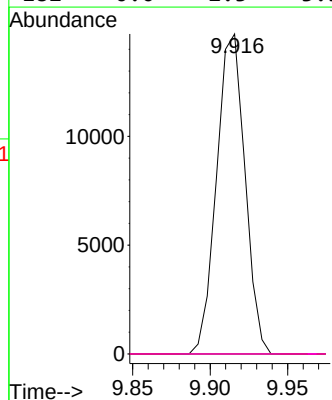
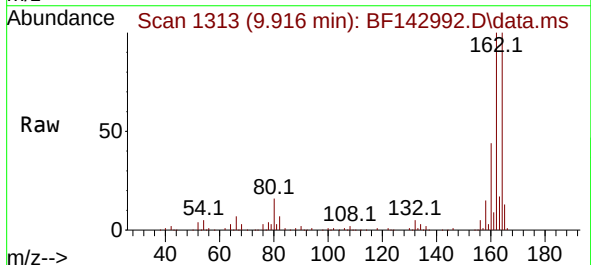
Instrument :  
BNA\_F  
ClientSampleId :  
PB168685BL

Tgt Ion:165 Resp: 18750  
Ion Ratio Lower Upper  
165 100  
63 0.0 44.2 66.4#  
89 0.0 39.8 59.8#

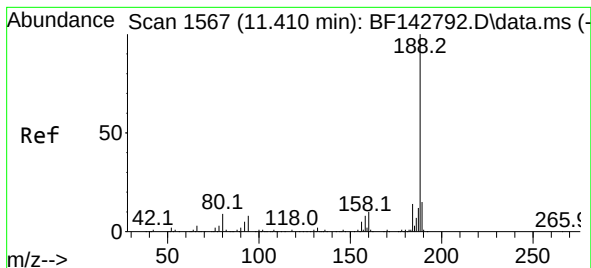


#57  
2,4-Dinitrotoluene  
Concen: 6.877 ng  
RT: 9.916 min Scan# 1313  
Delta R.T. -0.194 min  
Lab File: BF142992.D  
Acq: 03 Jul 2025 12:25

Tgt Ion:165 Resp: 18750  
Ion Ratio Lower Upper  
165 100  
63 0.0 33.9 50.9#  
89 0.0 50.6 75.8#  
182 0.0 2.3 3.5#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142992.D

Acq: 03 Jul 2025 12:25

Instrument :

BNA\_F

ClientSampleId :

PB168685BL

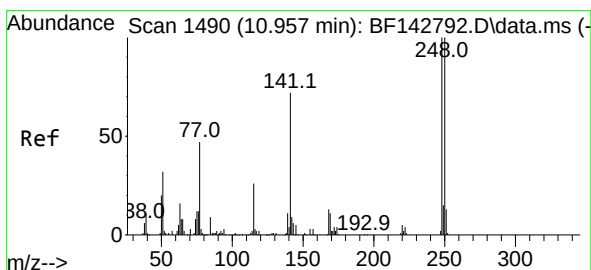
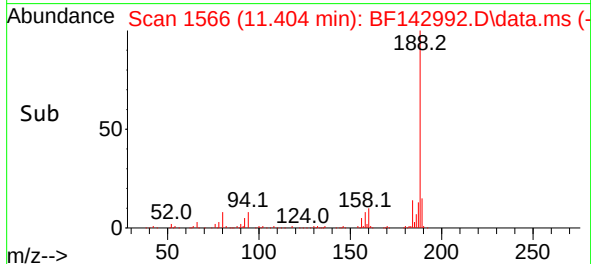
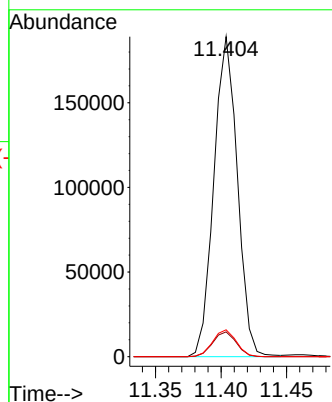
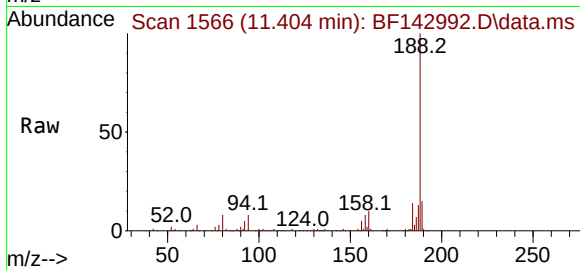
Tgt Ion:188 Resp: 235744

Ion Ratio Lower Upper

188 100

94 7.7 6.7 10.1

80 8.4 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.334 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.253 min

Lab File: BF142992.D

Acq: 03 Jul 2025 12:25

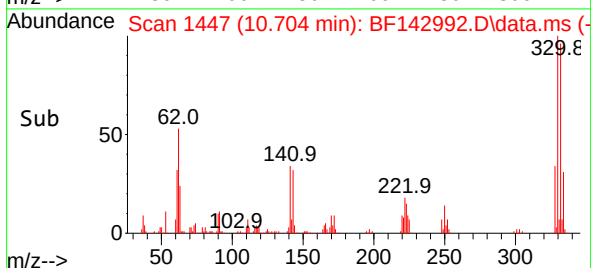
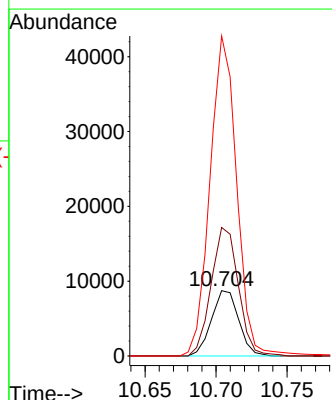
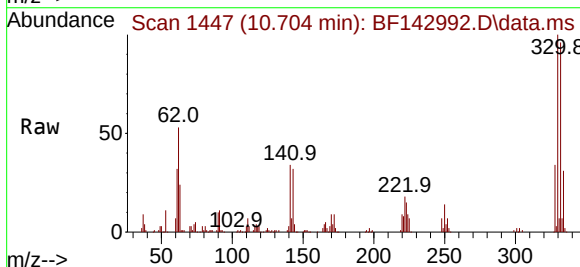
Tgt Ion:248 Resp: 11627

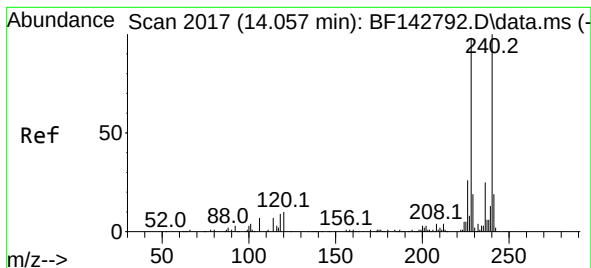
Ion Ratio Lower Upper

248 100

250 197.1 79.8 119.8#

141 490.6 57.8 86.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142992.D

Acq: 03 Jul 2025 12:25

Instrument :

BNA\_F

ClientSampleId :

PB168685BL

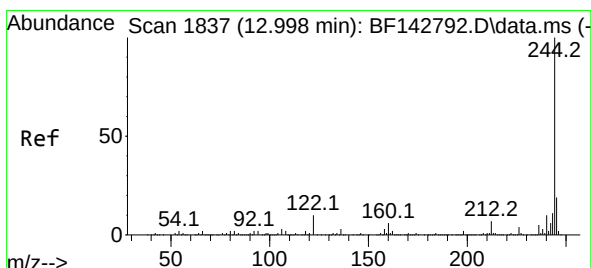
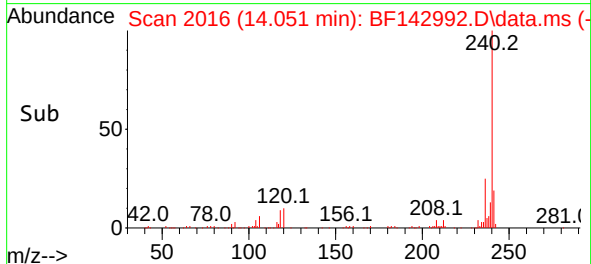
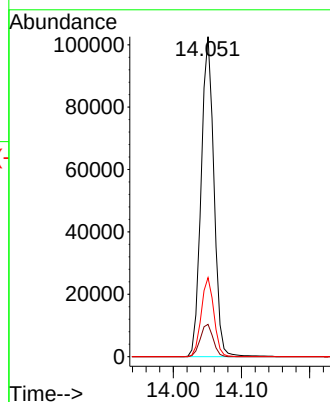
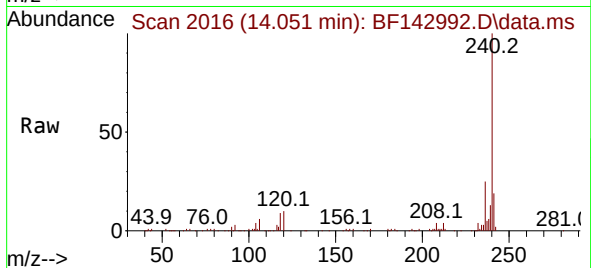
Tgt Ion:240 Resp: 133506

Ion Ratio Lower Upper

240 100

120 10.1 8.2 12.2

236 24.7 19.8 29.8



#79

Terphenyl-d14

Concen: 74.034 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142992.D

Acq: 03 Jul 2025 12:25

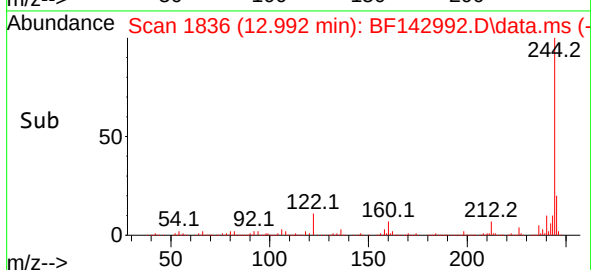
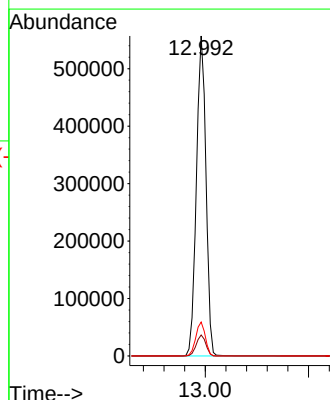
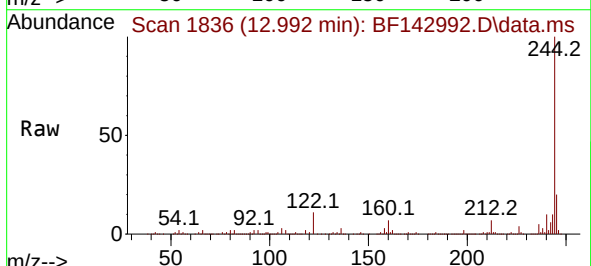
Tgt Ion:244 Resp: 715353

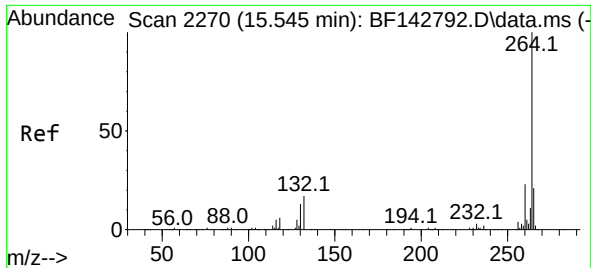
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

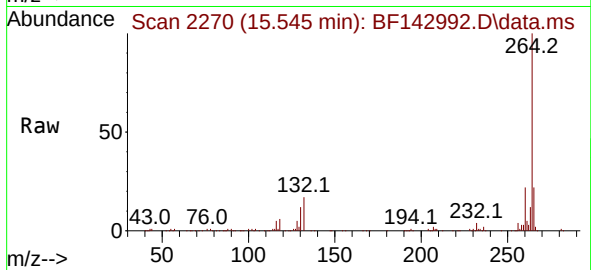
122 10.6 8.2 12.2





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.545 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BF142992.D  
 Acq: 03 Jul 2025 12:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB168685BL



Tgt Ion:264 Resp: 152353

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.2  | 18.1  | 27.1  |
| 265 | 21.7  | 16.6  | 25.0  |

