

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF063025\  
 Data File : BF142933.D  
 Acq On : 01 Jul 2025 00:15  
 Operator : RC/JU  
 Sample : Q2436-03  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-85

Quant Time: Jul 01 01:26:34 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

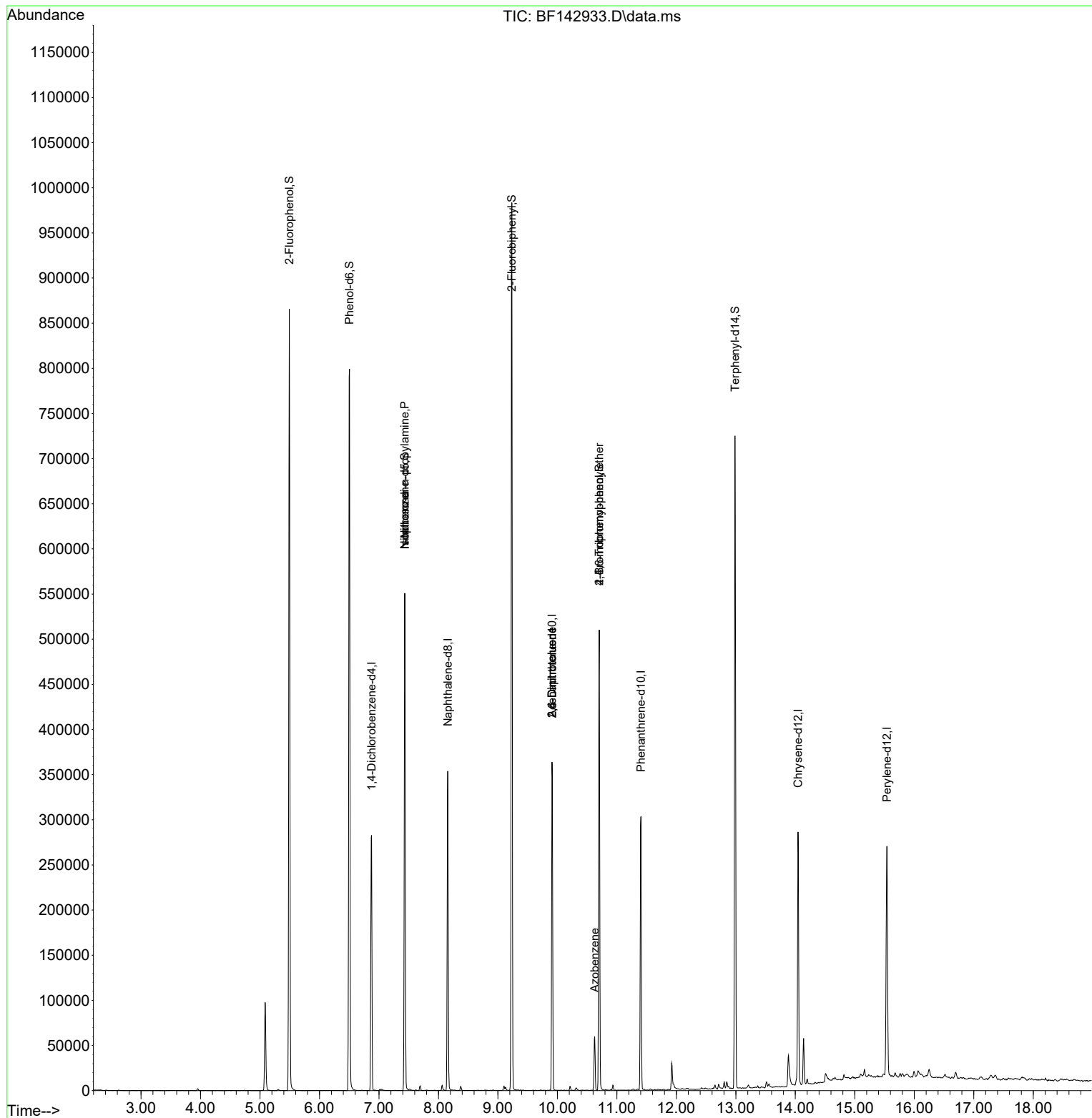
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 65146    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 228866   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.910  | 164  | 111359   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.404 | 188  | 163727   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 141022   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12              | 15.539 | 264  | 150265   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.492  | 112  | 325764   | 83.255 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.504  | 99   | 381167   | 82.568 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 230822   | 55.320 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 87176    | 76.072 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 450378   | 53.130 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.986 | 244  | 352085   | 34.496 | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.434  | 70   | 30665    | 11.421 | ng    | # 76     |
| 25) Isophorone                | 7.434  | 82   | 229191   | 34.241 | ng    | # 62     |
| 51) 2,6-Dinitrotoluene        | 9.910  | 165  | 14879    | 9.399  | ng    | # 26     |
| 57) 2,4-Dinitrotoluene        | 9.910  | 165  | 14879    | 7.076  | ng    | # 27     |
| 63) Azobenzene                | 10.627 | 77   | 14680    | 2.324  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.704 | 248  | 5896     | 3.164  | ng    | # 1      |
| -----                         |        |      |          |        |       |          |

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

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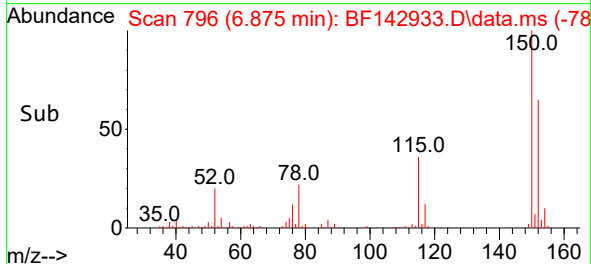
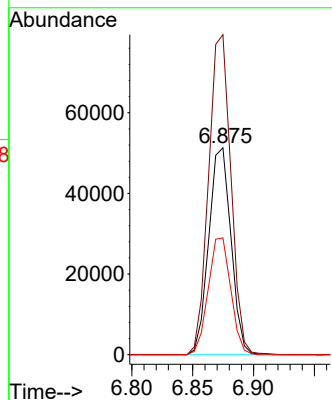
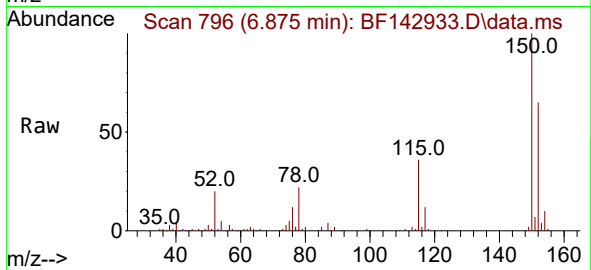




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.875 min Scan# 797  
 Delta R.T. -0.006 min  
 Lab File: BF142933.D  
 Acq: 01 Jul 2025 00:15

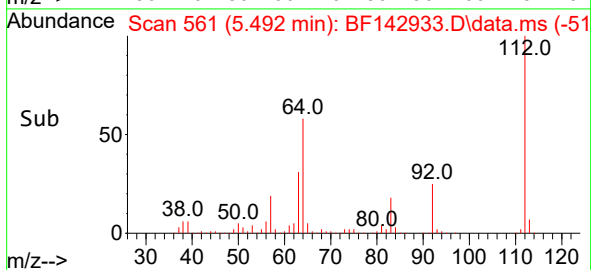
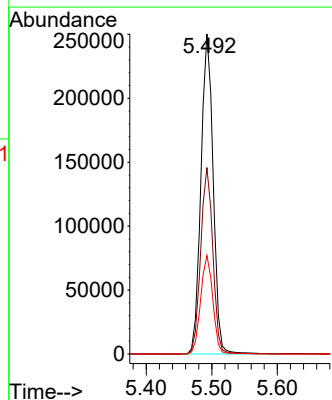
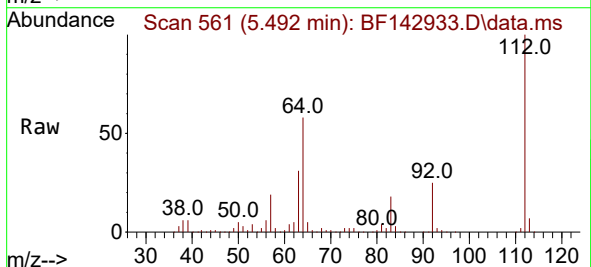
Instrument :  
 BNA\_F  
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 TP-85

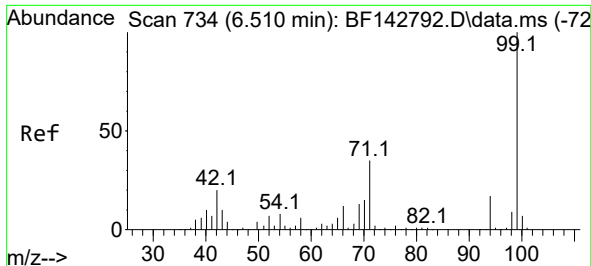
Tgt Ion:152 Resp: 65146  
 Ion Ratio Lower Upper  
 152 100  
 150 154.7 127.2 190.8  
 115 56.4 46.6 69.8



#5  
 2-Fluorophenol  
 Concen: 83.255 ng  
 RT: 5.492 min Scan# 561  
 Delta R.T. 0.000 min  
 Lab File: BF142933.D  
 Acq: 01 Jul 2025 00:15

Tgt Ion:112 Resp: 325764  
 Ion Ratio Lower Upper  
 112 100  
 64 58.3 48.2 72.2  
 63 30.8 25.7 38.5

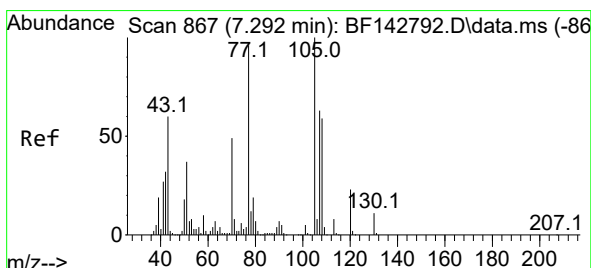
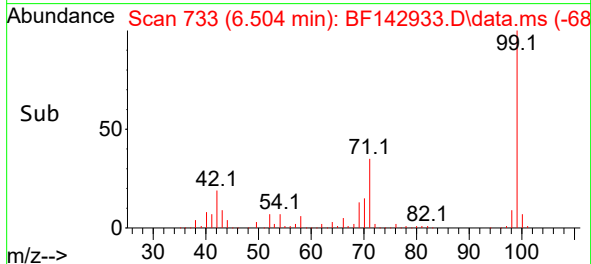
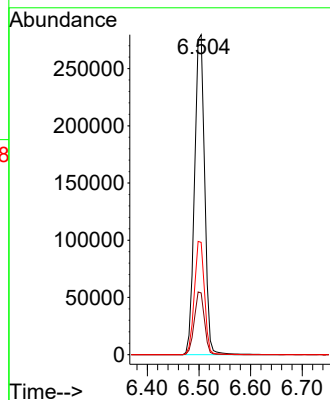
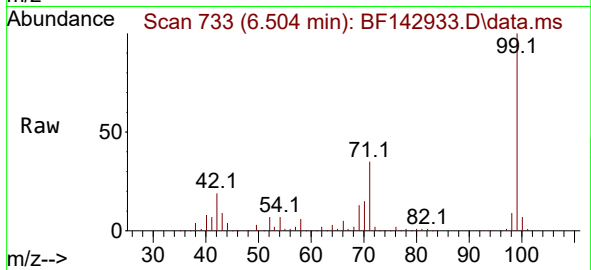




#7  
Phenol-d6  
Concen: 82.568 ng  
RT: 6.504 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF142933.D  
Acq: 01 Jul 2025 00:15

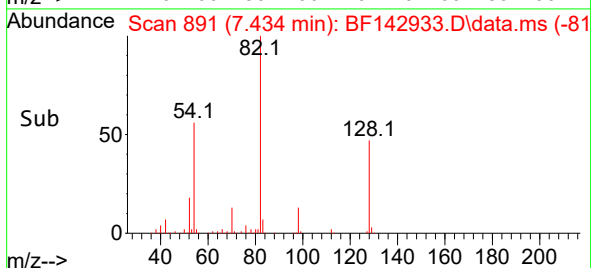
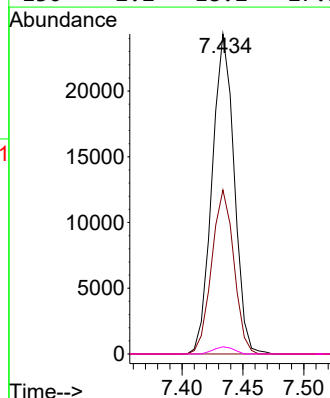
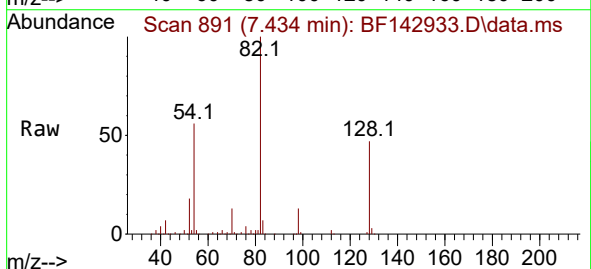
Instrument :  
BNA\_F  
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Tgt Ion: 99 Resp: 381167  
Ion Ratio Lower Upper  
99 100  
42 19.3 15.9 23.9  
71 35.1 27.8 41.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 11.421 ng  
RT: 7.434 min Scan# 891  
Delta R.T. 0.141 min  
Lab File: BF142933.D  
Acq: 01 Jul 2025 00:15

Tgt Ion: 70 Resp: 30665  
Ion Ratio Lower Upper  
70 100  
42 51.3 52.1 78.1#  
101 0.0 8.2 12.2#  
130 2.2 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: BF142933.D

Acq: 01 Jul 2025 00:15

Instrument :

BNA\_F

ClientSampleId :

TP-85

Tgt Ion:136 Resp: 228866

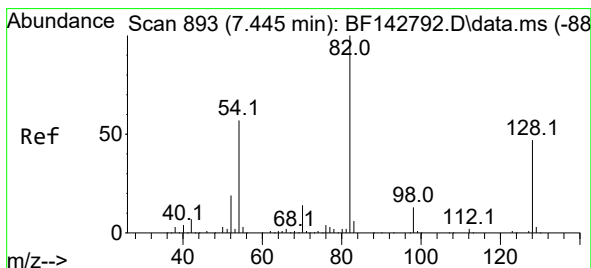
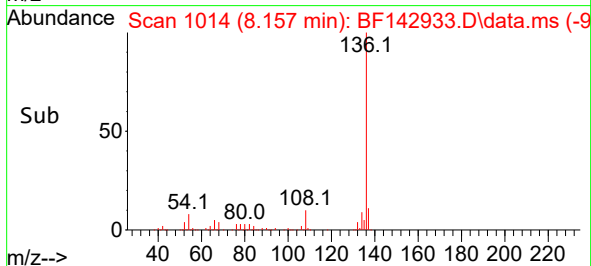
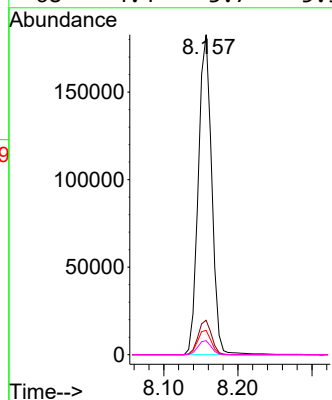
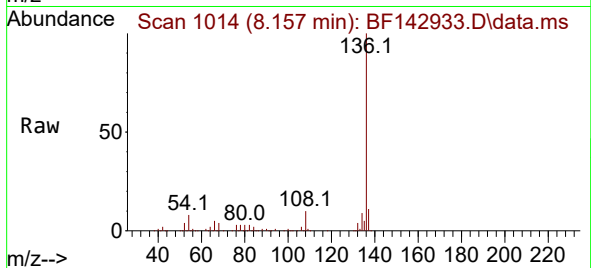
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 7.6 6.3 9.5

68 4.4 3.7 5.5



#23

Nitrobenzene-d5

Concen: 55.320 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF142933.D

Acq: 01 Jul 2025 00:15

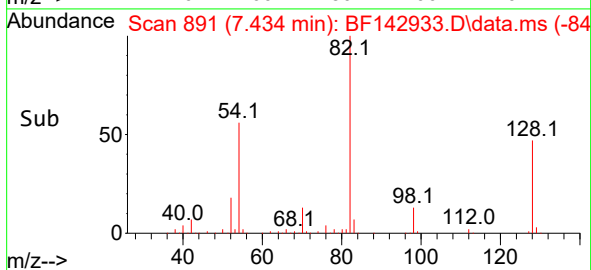
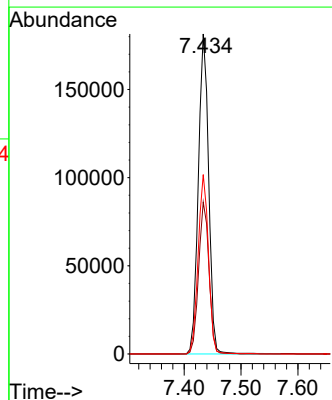
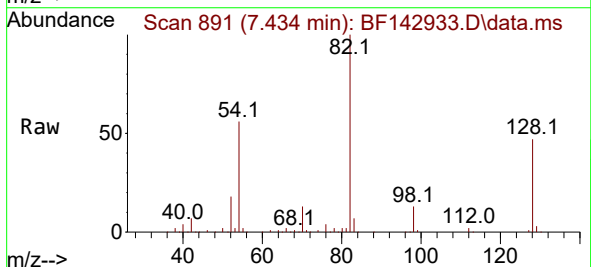
Tgt Ion: 82 Resp: 230822

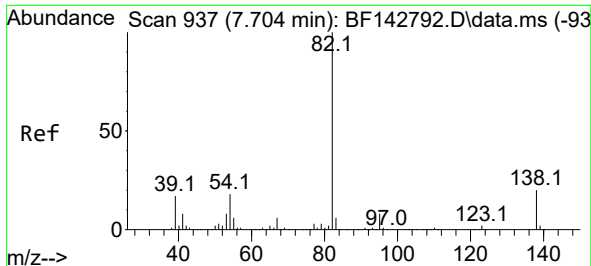
Ion Ratio Lower Upper

82 100

128 47.5 37.7 56.5

54 56.0 45.7 68.5

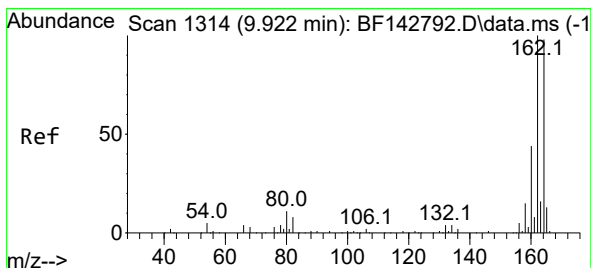
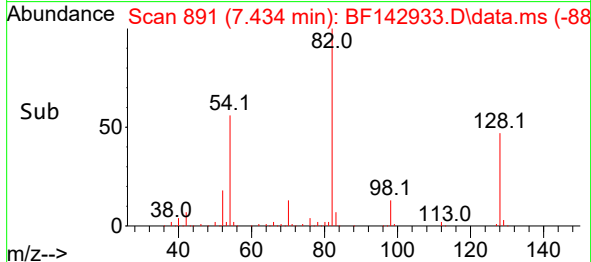
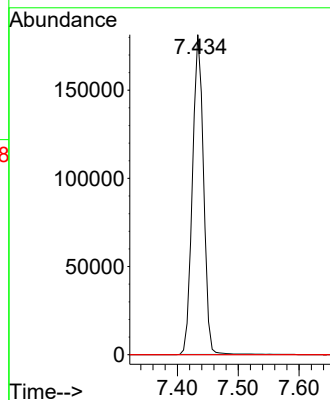
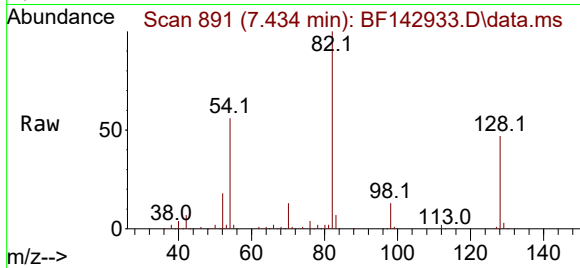




#25  
Isophorone  
Concen: 34.241 ng  
RT: 7.434 min Scan# 89  
Delta R.T. -0.271 min  
Lab File: BF142933.D  
Acq: 01 Jul 2025 00:15

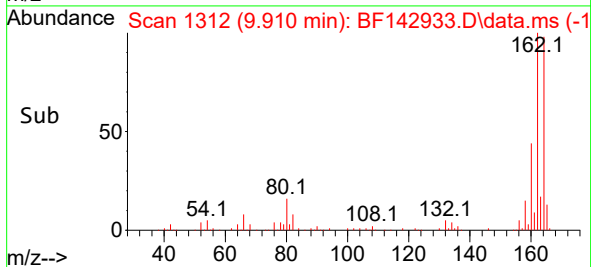
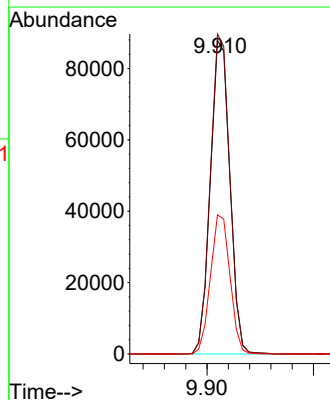
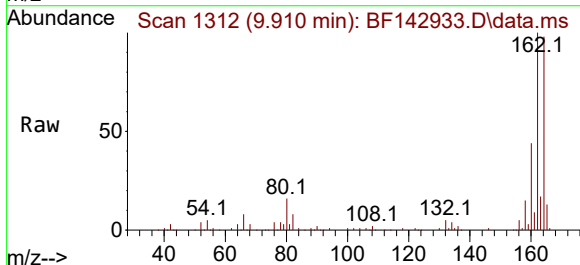
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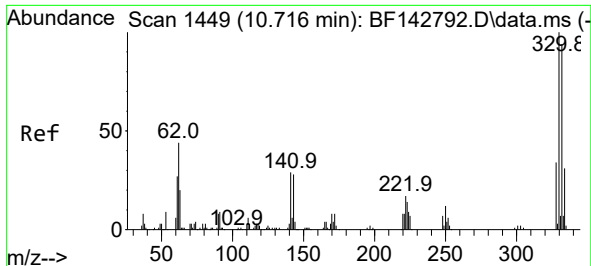
Tgt Ion: 82 Resp: 229191  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.2 9.2#  
138 0.0 16.2 24.4#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.910 min Scan# 1312  
Delta R.T. -0.012 min  
Lab File: BF142933.D  
Acq: 01 Jul 2025 00:15

Tgt Ion: 164 Resp: 111359  
Ion Ratio Lower Upper  
164 100  
162 102.0 81.8 122.8  
160 44.4 36.0 54.0

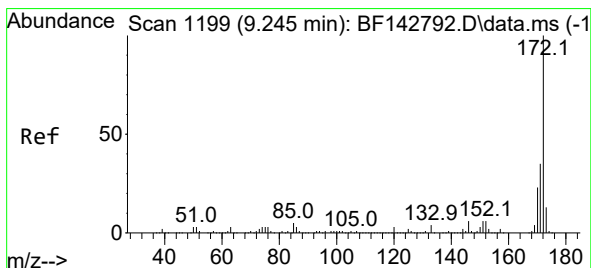
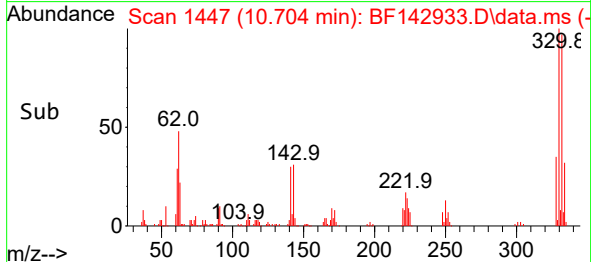
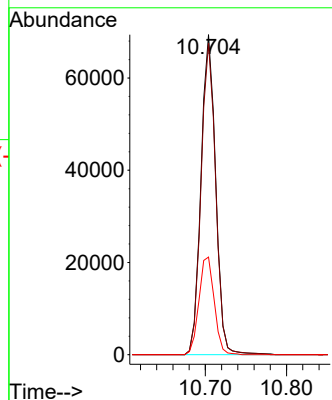
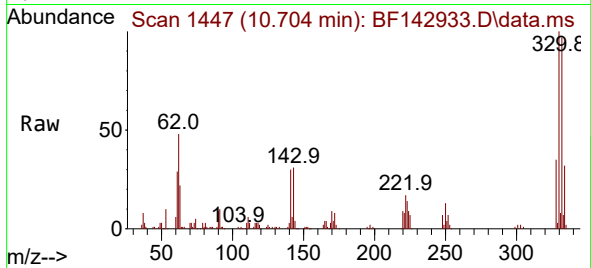




#42  
2,4,6-Tribromophenol  
Concen: 76.072 ng  
RT: 10.704 min Scan# 1447  
Delta R.T. -0.012 min  
Lab File: BF142933.D  
Acq: 01 Jul 2025 00:15

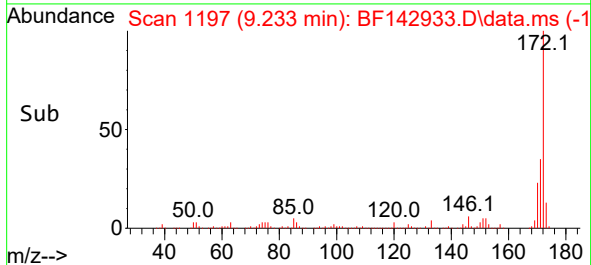
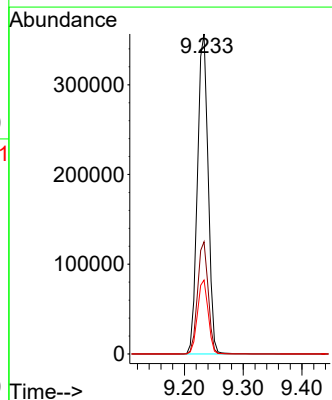
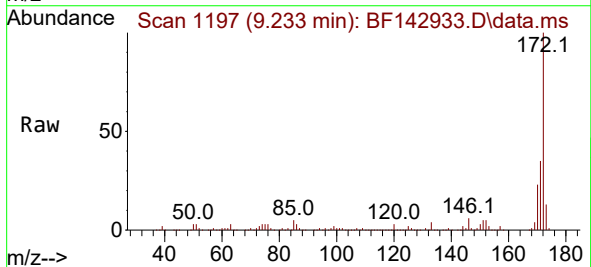
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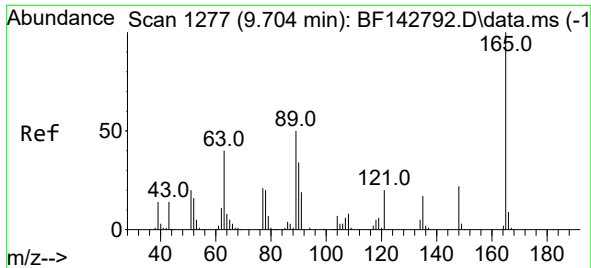
Tgt Ion:330 Resp: 87176  
Ion Ratio Lower Upper  
330 100  
332 97.0 75.0 112.6  
141 31.8 25.3 37.9



#45  
2-Fluorobiphenyl  
Concen: 53.130 ng  
RT: 9.233 min Scan# 1197  
Delta R.T. -0.012 min  
Lab File: BF142933.D  
Acq: 01 Jul 2025 00:15

Tgt Ion:172 Resp: 450378  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.2 42.4  
170 23.1 18.5 27.7

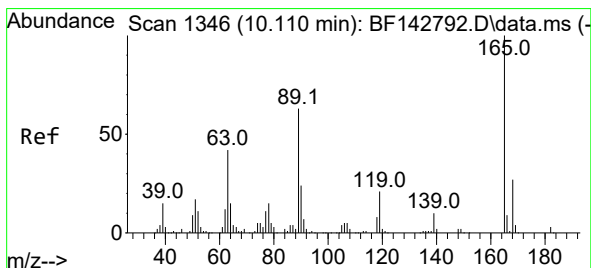
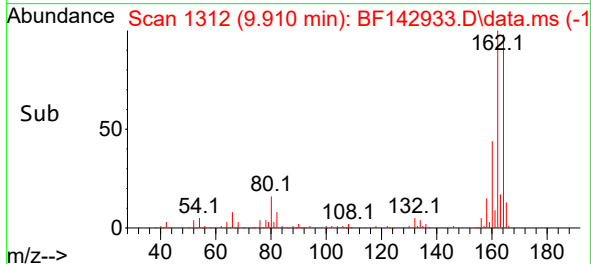
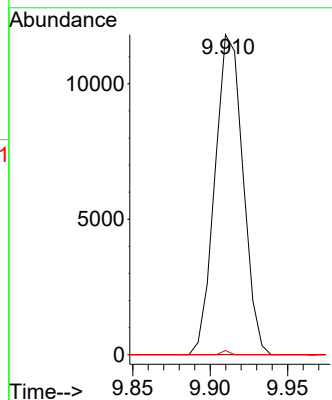
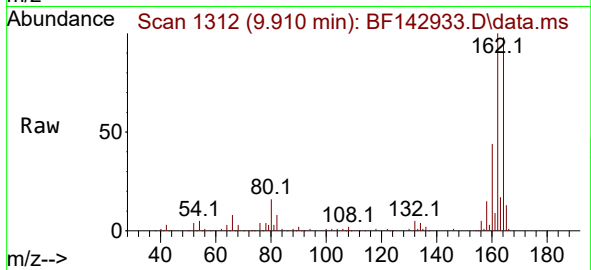




#51  
2,6-Dinitrotoluene  
Concen: 9.399 ng  
RT: 9.910 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF142933.D  
Acq: 01 Jul 2025 00:15

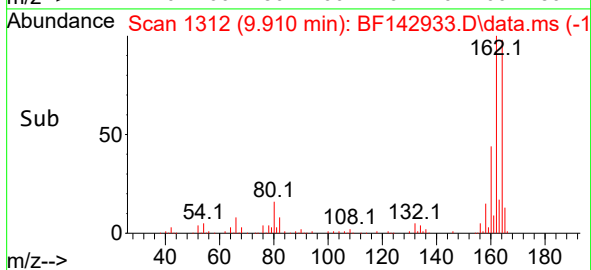
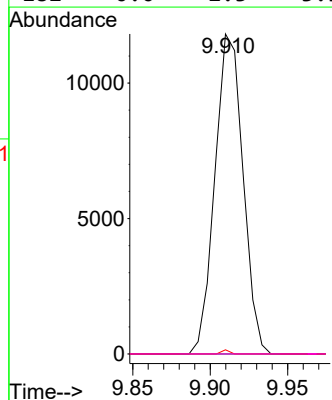
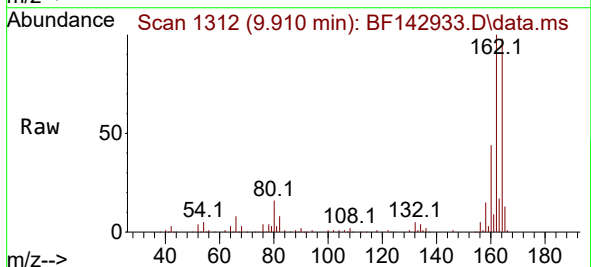
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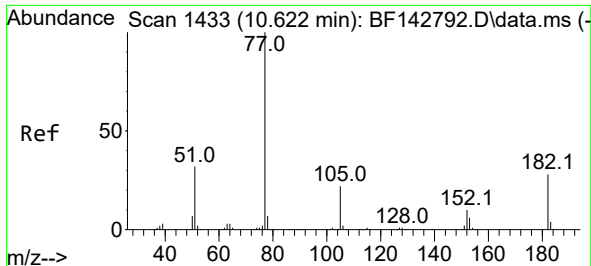
Tgt Ion:165 Resp: 14879  
Ion Ratio Lower Upper  
165 100  
63 0.0 44.2 66.4#  
89 1.3 39.8 59.8#



#57  
2,4-Dinitrotoluene  
Concen: 7.076 ng  
RT: 9.910 min Scan# 1312  
Delta R.T. -0.200 min  
Lab File: BF142933.D  
Acq: 01 Jul 2025 00:15

Tgt Ion:165 Resp: 14879  
Ion Ratio Lower Upper  
165 100  
63 0.0 33.9 50.9#  
89 1.3 50.6 75.8#  
182 0.0 2.3 3.5#

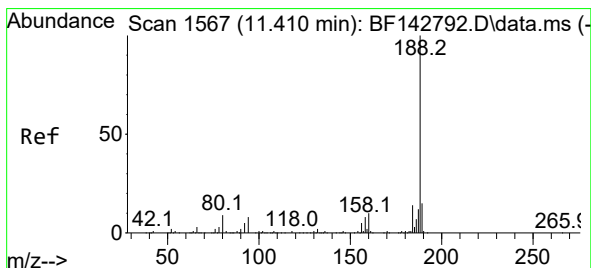
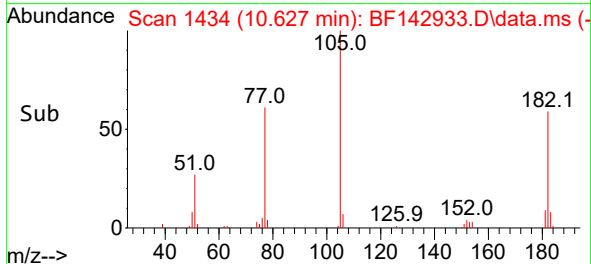
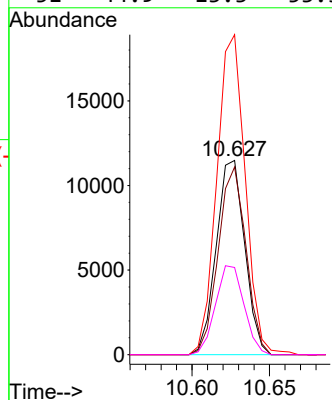
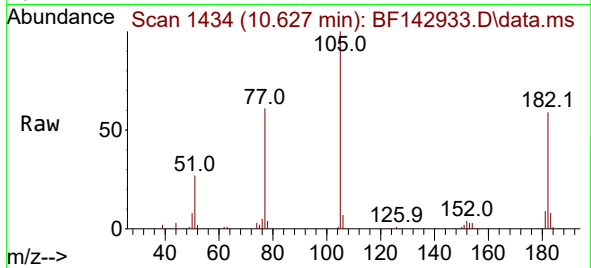




#63  
Azobenzene  
Concen: 2.324 ng  
RT: 10.627 min Scan# 1433  
Delta R.T. 0.006 min  
Lab File: BF142933.D  
Acq: 01 Jul 2025 00:15

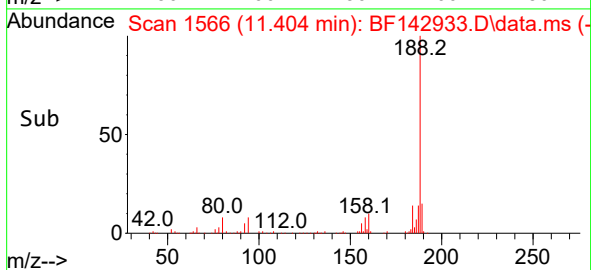
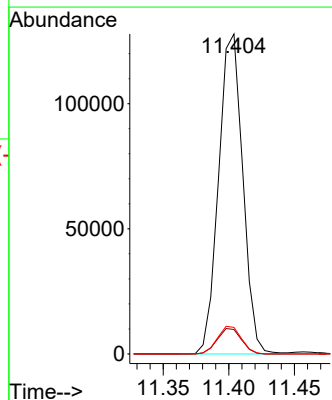
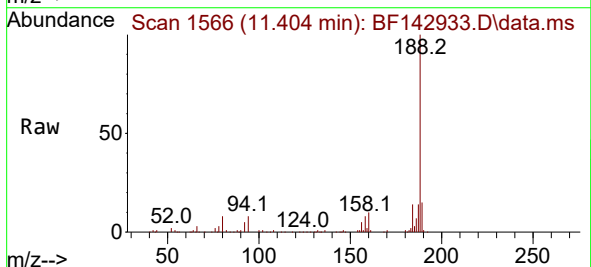
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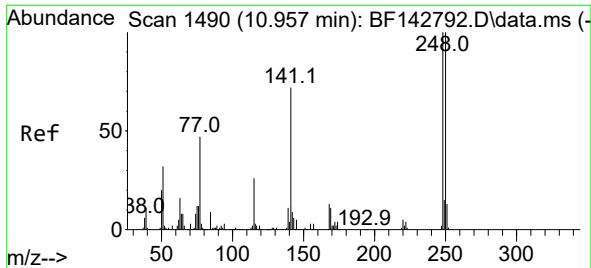
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Ion Ratio Lower Upper  
77 100  
182 96.6 7.7 47.7#  
105 164.8 1.9 41.9#  
51 44.9 13.3 53.3



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 1566  
Delta R.T. -0.006 min  
Lab File: BF142933.D  
Acq: 01 Jul 2025 00:15

Tgt Ion: 188 Resp: 163727  
Ion Ratio Lower Upper  
188 100  
94 7.7 6.7 10.1  
80 8.3 6.9 10.3

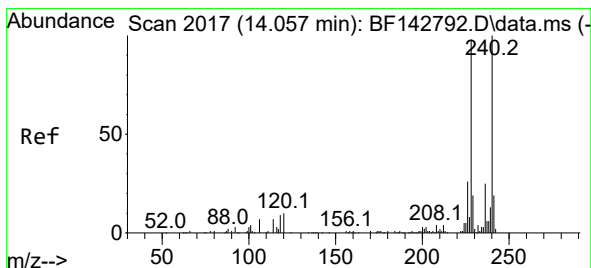
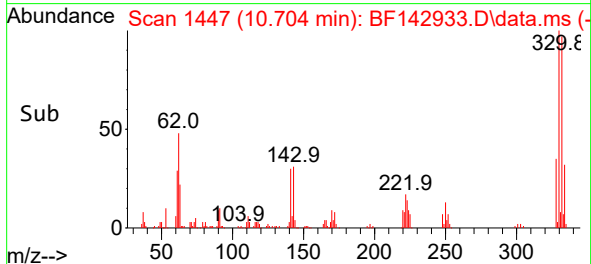
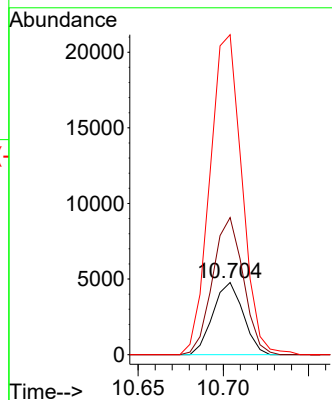
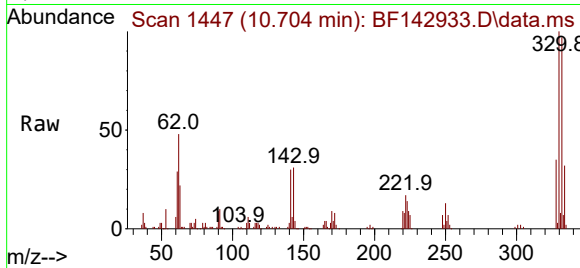




#67  
4-Bromophenyl-phenylether  
Concen: 3.164 ng  
RT: 10.704 min Scan# 14  
Delta R.T. -0.253 min  
Lab File: BF142933.D  
Acq: 01 Jul 2025 00:15

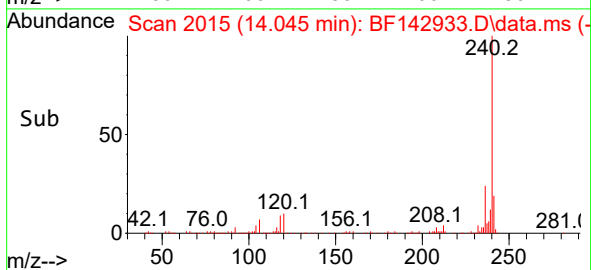
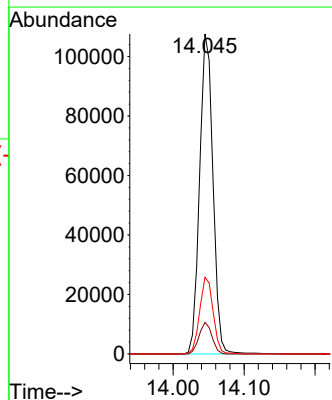
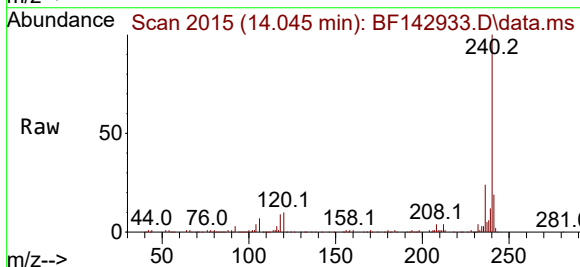
Instrument :  
BNA\_F  
ClientSampleId :  
TP-85

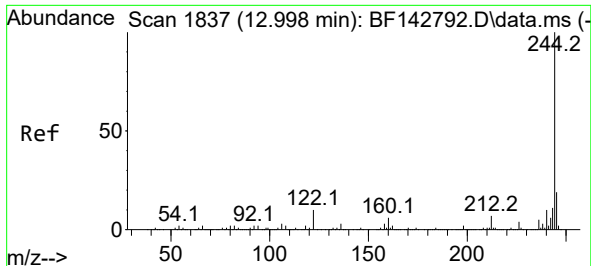
Tgt Ion:248 Resp: 5896  
Ion Ratio Lower Upper  
248 100  
250 190.0 79.8 119.8#  
141 443.6 57.8 86.6#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 2015  
Delta R.T. -0.012 min  
Lab File: BF142933.D  
Acq: 01 Jul 2025 00:15

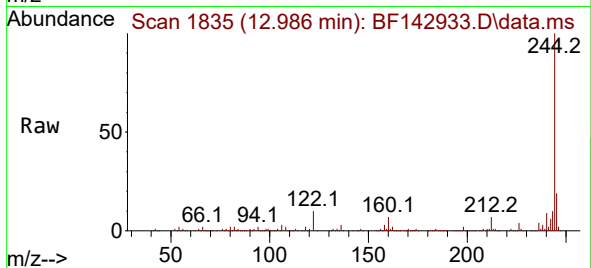
Tgt Ion:240 Resp: 141022  
Ion Ratio Lower Upper  
240 100  
120 9.8 8.2 12.2  
236 23.9 19.8 29.8



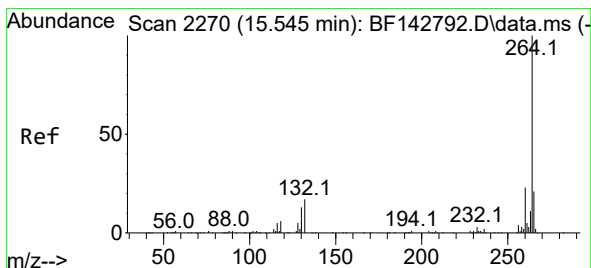
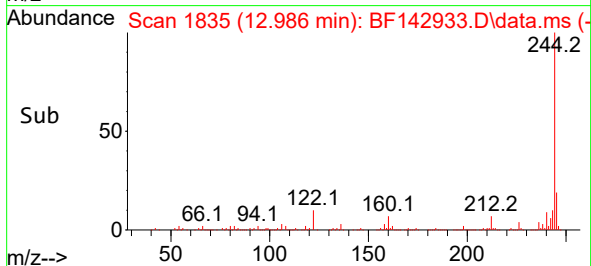
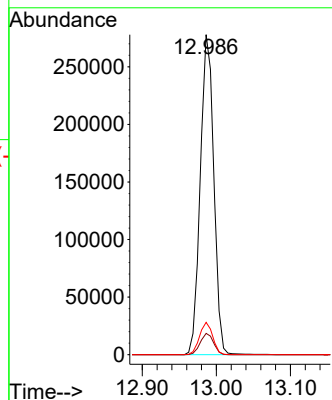


#79  
 Terphenyl-d14  
 Concen: 34.496 ng  
 RT: 12.986 min Scan# 1835  
 Delta R.T. -0.012 min  
 Lab File: BF142933.D  
 Acq: 01 Jul 2025 00:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-85



Tgt Ion:244 Resp: 352085  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.4 8.0  
 122 10.1 8.2 12.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.539 min Scan# 2269  
 Delta R.T. -0.006 min  
 Lab File: BF142933.D  
 Acq: 01 Jul 2025 00:15

Tgt Ion:264 Resp: 150265  
 Ion Ratio Lower Upper  
 264 100  
 260 23.1 18.1 27.1  
 265 21.5 16.6 25.0

