

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052225\  
 Data File : BF142505.D  
 Acq On : 22 May 2025 12:42  
 Operator : RC/JU  
 Sample : Q2074-05  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-38

Quant Time: May 22 13:04:55 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 20 16:26:47 2025  
 Response via : Initial Calibration

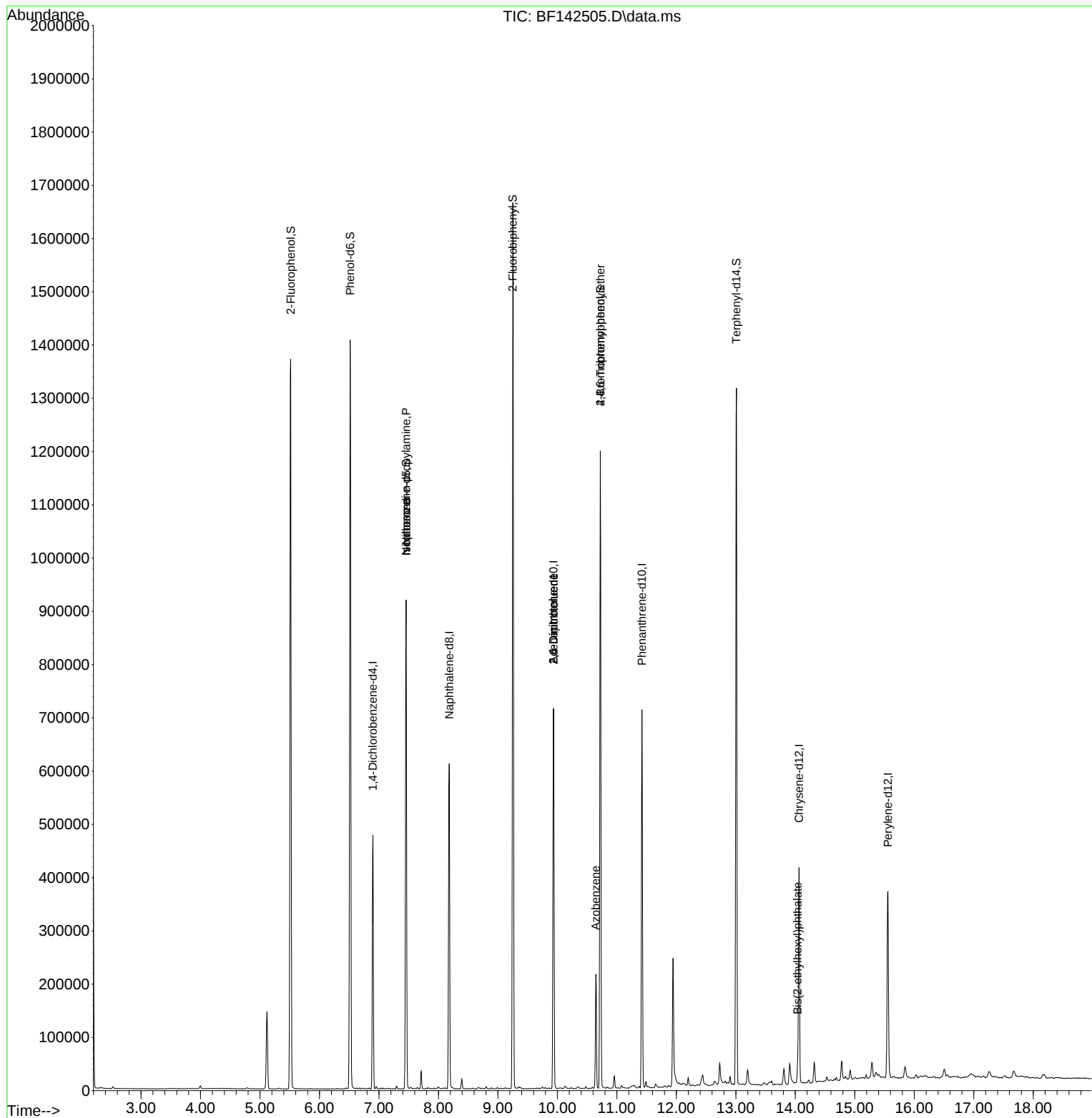
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.898  | 152  | 105231   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.181  | 136  | 393023   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.934  | 164  | 211306   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.422 | 188  | 363178   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12              | 14.063 | 240  | 195335   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12              | 15.557 | 264  | 215007   | 20.000 | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 541642   | 86.717 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.516  | 99   | 659959   | 87.775 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 390239   | 54.143 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 211748   | 90.289 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 746030   | 47.375 | ng    | -0.02    |
| 79) Terphenyl-d14             | 13.010 | 244  | 640217   | 44.789 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.457  | 70   | 52089    | 11.178 | ng    | # 77     |
| 25) Isophorone                | 7.457  | 82   | 362754   | 30.102 | ng    | # 63     |
| 51) 2,6-Dinitrotoluene        | 9.934  | 165  | 27032    | 8.983  | ng    | # 28     |
| 57) 2,4-Dinitrotoluene        | 9.934  | 165  | 27032    | 6.878  | ng    | # 28     |
| 63) Azobenzene                | 10.645 | 77   | 51298    | 4.194  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.722 | 248  | 13147    | 3.061  | ng    | # 1      |
| 84) Bis(2-ethylhexyl)phtha... | 14.039 | 149  | 15913    | 2.469  | ng    | 99       |
| -----                         |        |      |          |        |       |          |

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

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Quant Time: May 22 13:04:55 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 20 16:26:47 2025  
Response via : Initial Calibration

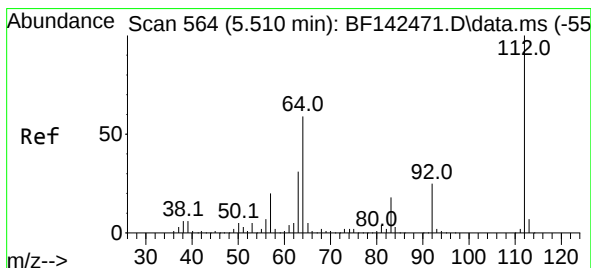
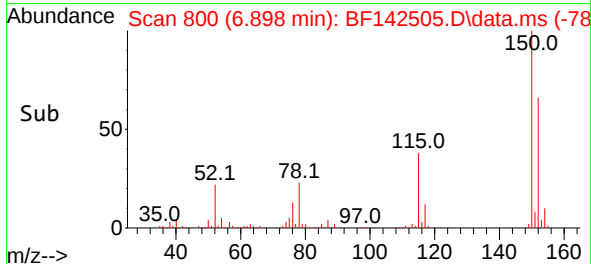
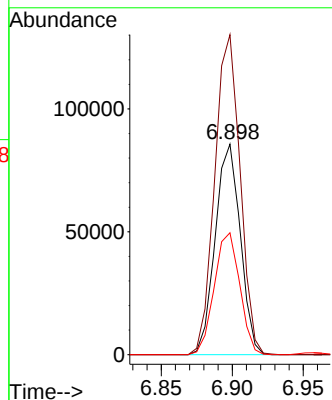
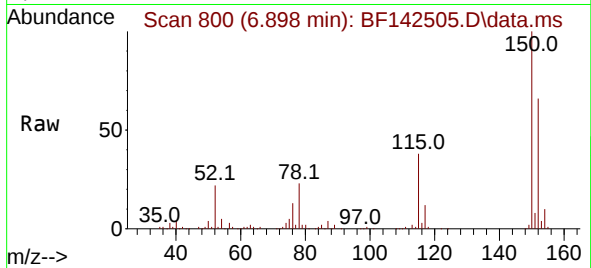




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.898 min Scan# 800  
Delta R.T. -0.006 min  
Lab File: BF142505.D  
Acq: 22 May 2025 12:42

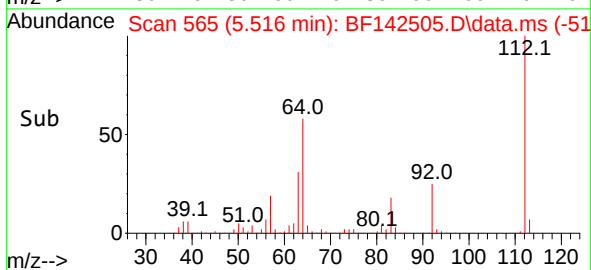
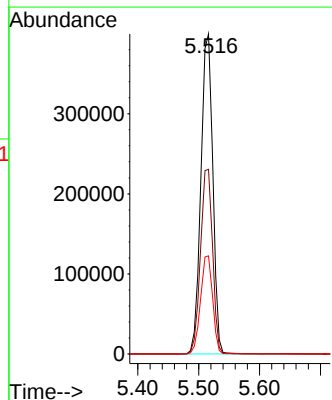
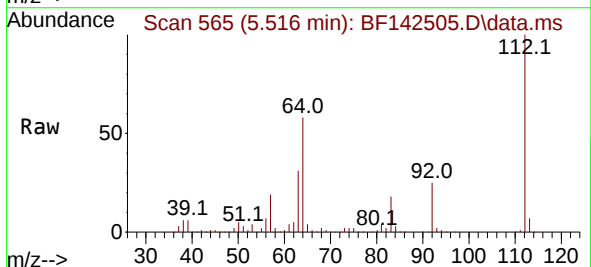
Instrument :  
BNA\_F  
ClientSampleId :  
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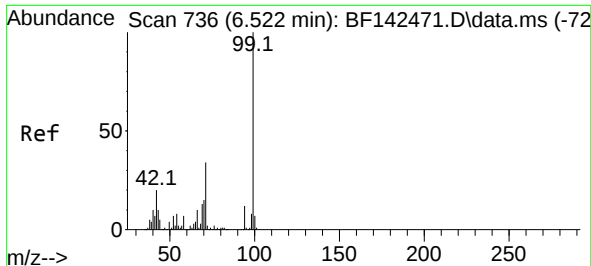
Tgt Ion:152 Resp: 105231  
Ion Ratio Lower Upper  
152 100  
150 152.0 128.2 192.4  
115 57.9 48.3 72.5



#5  
2-Fluorophenol  
Concen: 86.717 ng  
RT: 5.516 min Scan# 565  
Delta R.T. 0.000 min  
Lab File: BF142505.D  
Acq: 22 May 2025 12:42

Tgt Ion:112 Resp: 541642  
Ion Ratio Lower Upper  
112 100  
64 57.7 47.5 71.3  
63 30.7 24.9 37.3





#7  
Phenol-d6  
Concen: 87.775 ng  
RT: 6.516 min Scan# 71  
Delta R.T. -0.017 min  
Lab File: BF142505.D  
Acq: 22 May 2025 12:42

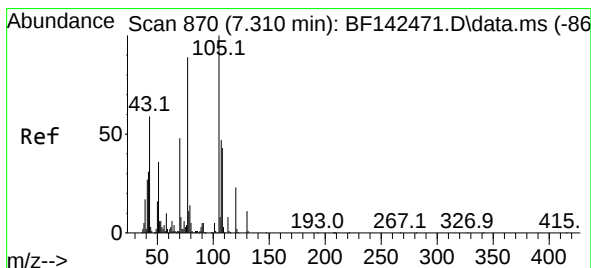
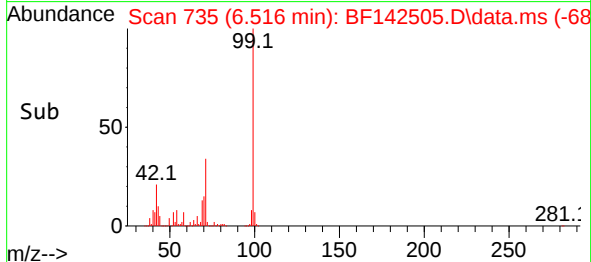
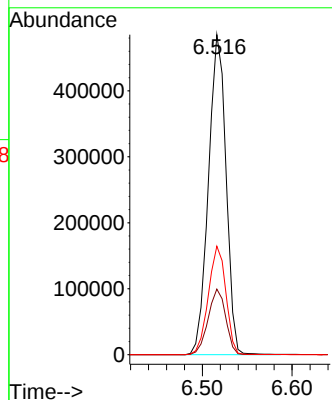
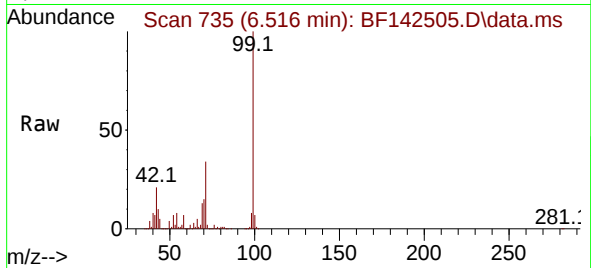
Instrument :

BNA\_F

ClientSampleId :

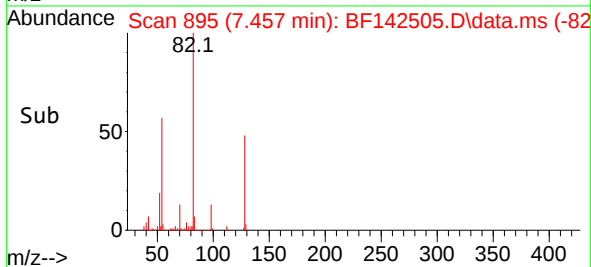
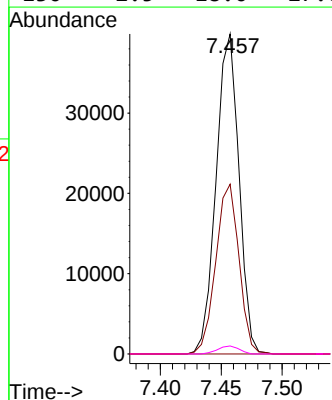
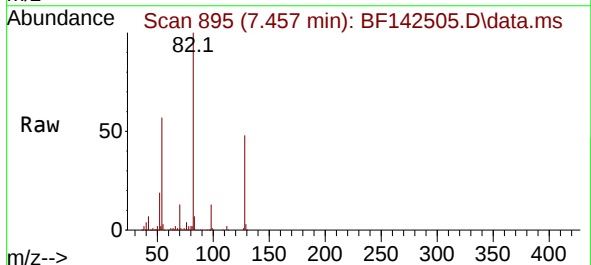
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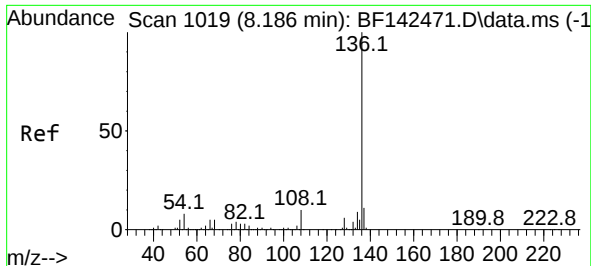
Tgt Ion: 99 Resp: 659959  
Ion Ratio Lower Upper  
99 100  
42 20.5 16.2 24.2  
71 33.9 27.3 40.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 11.178 ng  
RT: 7.457 min Scan# 895  
Delta R.T. 0.130 min  
Lab File: BF142505.D  
Acq: 22 May 2025 12:42

Tgt Ion: 70 Resp: 52089  
Ion Ratio Lower Upper  
70 100  
42 53.1 52.4 78.6  
101 0.0 7.8 11.8#  
130 2.5 18.0 27.0#



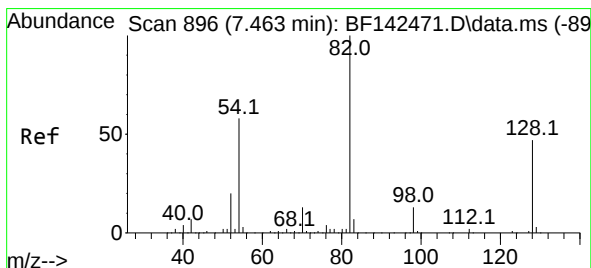
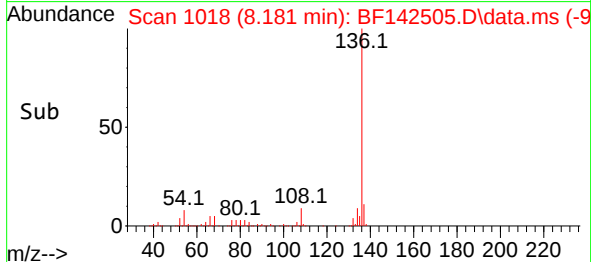
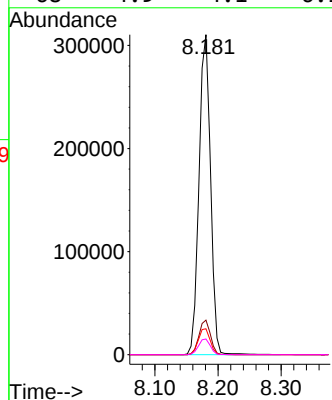
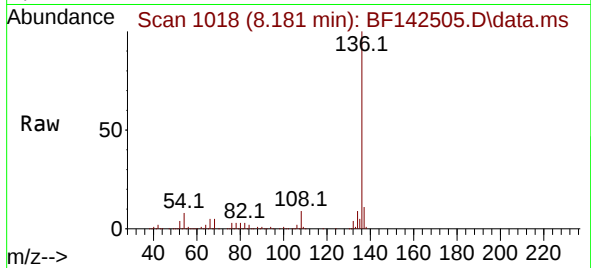


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.181 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: BF142505.D  
Acq: 22 May 2025 12:42

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:136 Resp: 393023

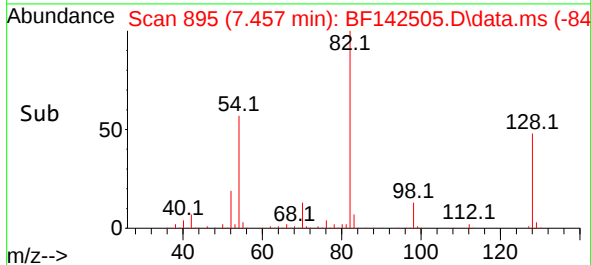
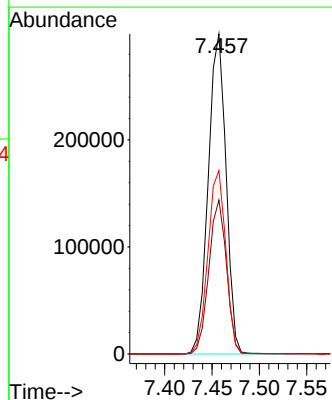
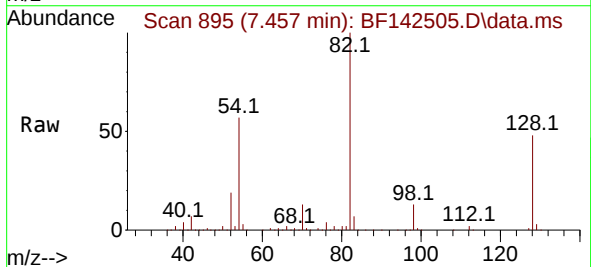
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.6   | 13.0  |
| 54  | 8.1   | 6.6   | 10.0  |
| 68  | 4.9   | 4.1   | 6.1   |

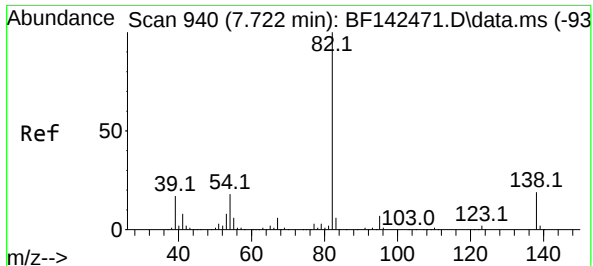


#23  
Nitrobenzene-d5  
Concen: 54.143 ng  
RT: 7.457 min Scan# 895  
Delta R.T. -0.017 min  
Lab File: BF142505.D  
Acq: 22 May 2025 12:42

Tgt Ion: 82 Resp: 390239

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 48.1  | 37.4  | 56.2  |
| 54  | 57.3  | 46.6  | 70.0  |

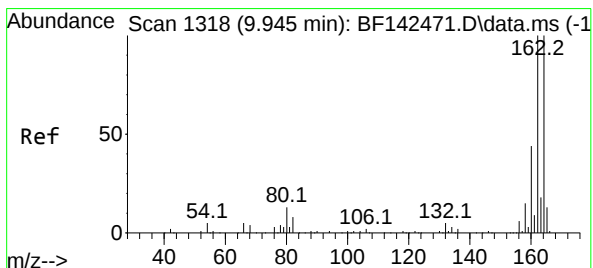
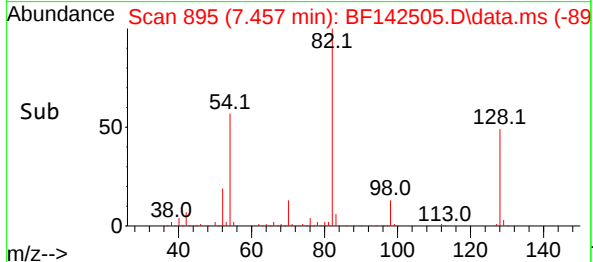
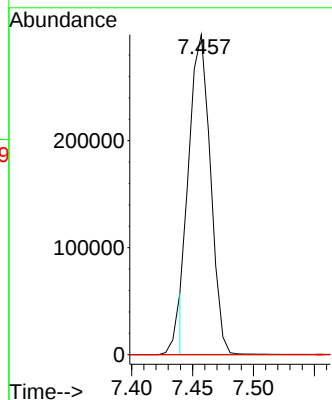
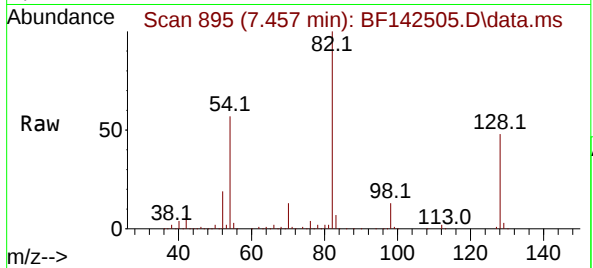




#25  
Isophorone  
Concen: 30.102 ng  
RT: 7.457 min Scan# 895  
Delta R.T. -0.276 min  
Lab File: BF142505.D  
Acq: 22 May 2025 12:42

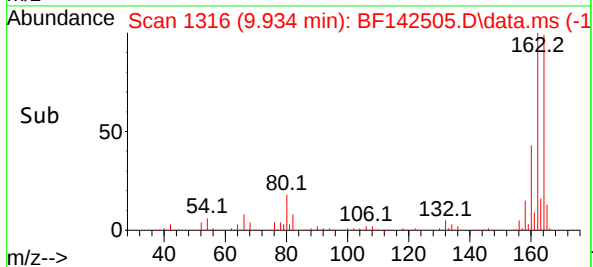
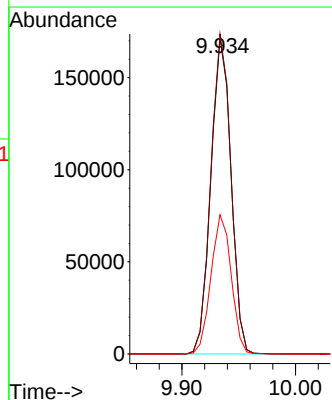
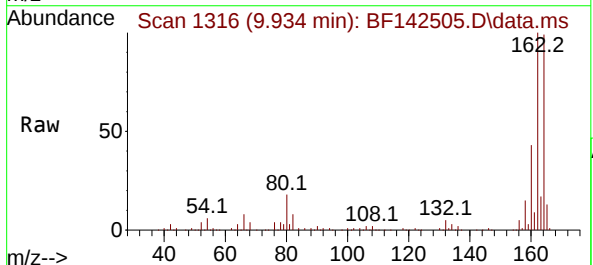
Instrument :  
BNA\_F  
ClientSampleId :  
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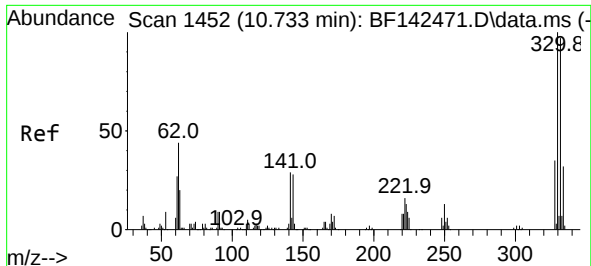
Tgt Ion: 82 Resp: 362754  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 15.5 23.3#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.934 min Scan# 1316  
Delta R.T. -0.012 min  
Lab File: BF142505.D  
Acq: 22 May 2025 12:42

Tgt Ion:164 Resp: 211306  
Ion Ratio Lower Upper  
164 100  
162 101.3 80.2 120.4  
160 44.0 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 90.289 ng

RT: 10.722 min Scan# 1452

Delta R.T. -0.017 min

Lab File: BF142505.D

Acq: 22 May 2025 12:42

Instrument :

BNA\_F

ClientSampleId :

TP-38

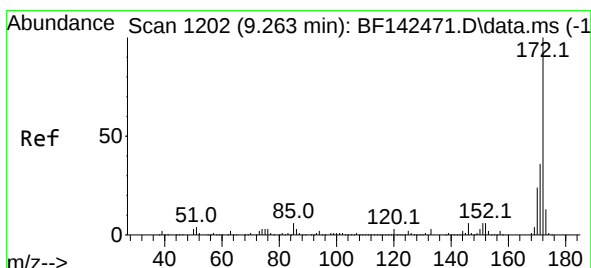
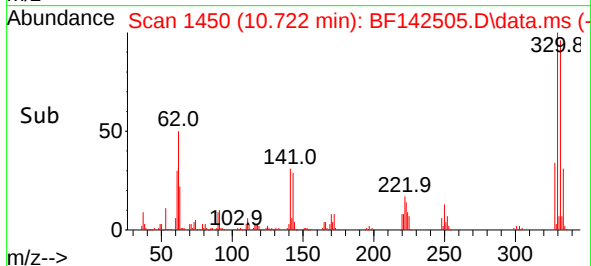
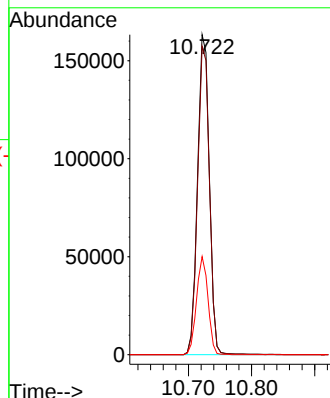
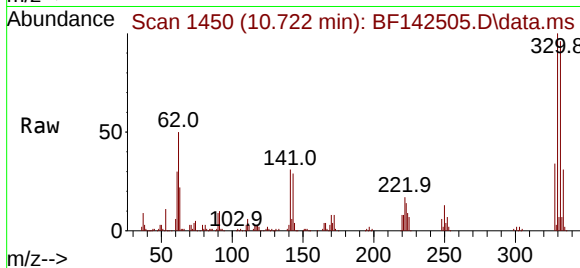
Tgt Ion:330 Resp: 211748

Ion Ratio Lower Upper

330 100

332 96.5 77.6 116.4

141 29.9 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 47.375 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.017 min

Lab File: BF142505.D

Acq: 22 May 2025 12:42

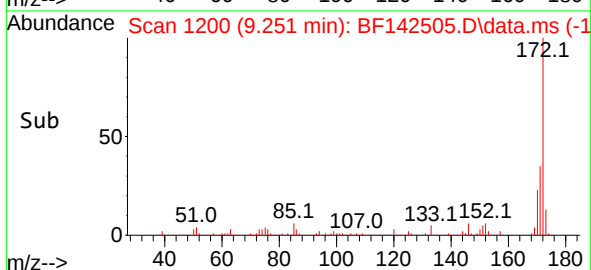
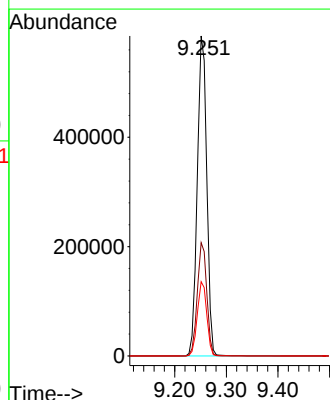
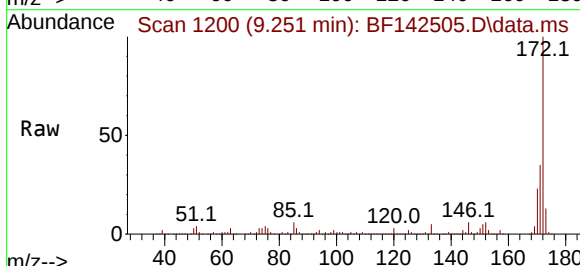
Tgt Ion:172 Resp: 746030

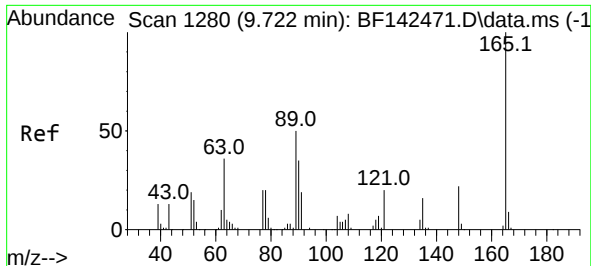
Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

170 23.2 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.983 ng

RT: 9.934 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF142505.D

Acq: 22 May 2025 12:42

Instrument :

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ClientSampleId :

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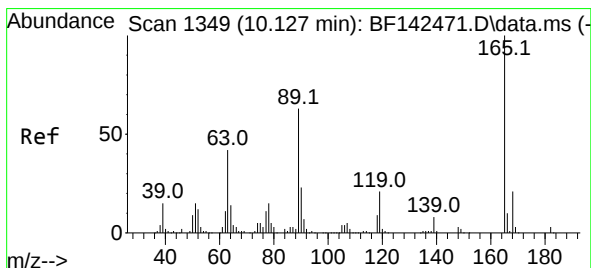
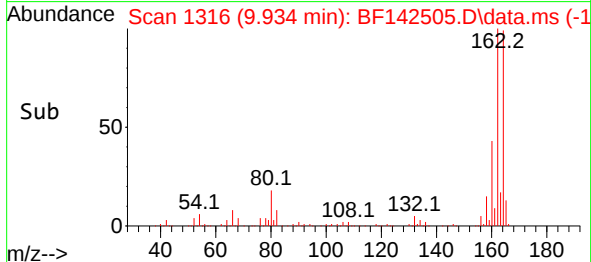
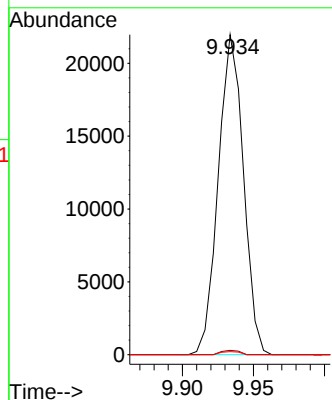
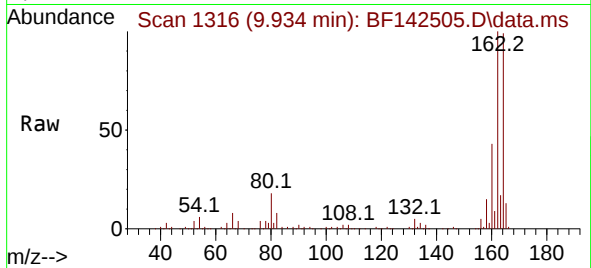
Tgt Ion:165 Resp: 27032

Ion Ratio Lower Upper

165 100

63 1.4 42.9 64.3#

89 0.9 40.2 60.4#



#57

2,4-Dinitrotoluene

Concen: 6.878 ng

RT: 9.934 min Scan# 1316

Delta R.T. -0.200 min

Lab File: BF142505.D

Acq: 22 May 2025 12:42

Tgt Ion:165 Resp: 27032

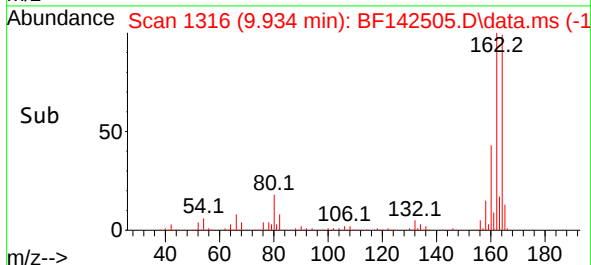
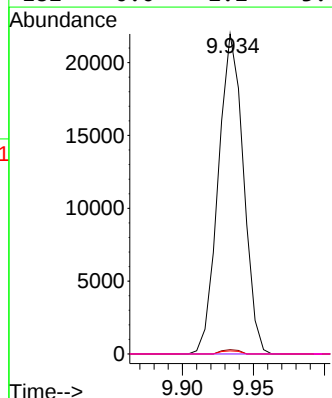
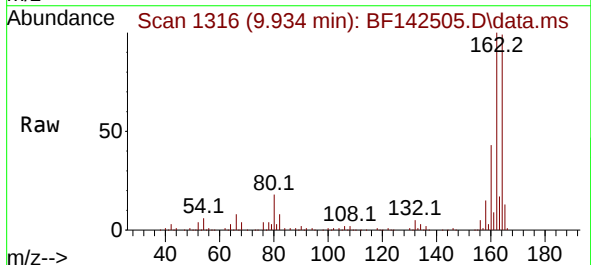
Ion Ratio Lower Upper

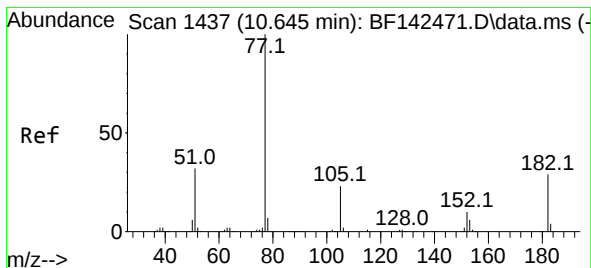
165 100

63 1.4 33.6 50.4#

89 0.9 50.2 75.4#

182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 4.194 ng

RT: 10.645 min Scan# 1437

Delta R.T. 0.000 min

Lab File: BF142505.D

Acq: 22 May 2025 12:42

Instrument :

BNA\_F

ClientSampleId :

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Tgt Ion: 77 Resp: 51298

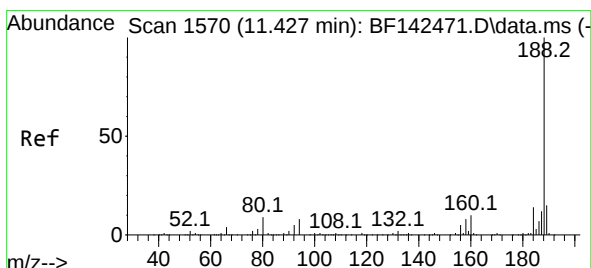
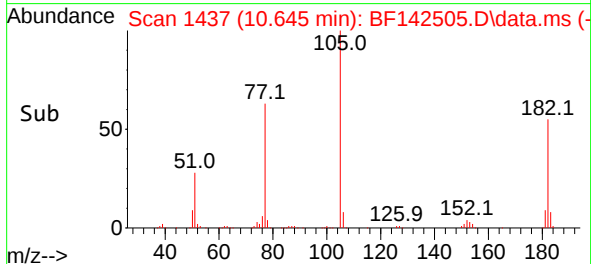
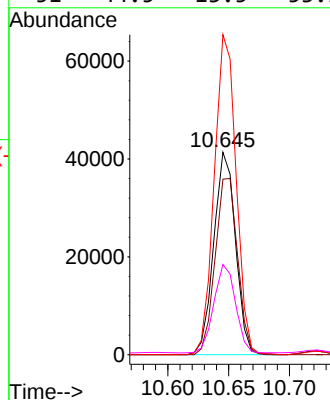
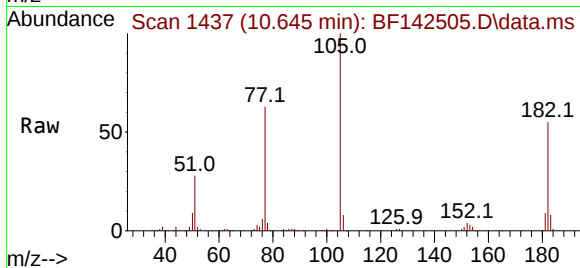
Ion Ratio Lower Upper

77 100

182 86.7 9.0 49.0#

105 158.1 2.4 42.4#

51 44.5 13.5 53.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142505.D

Acq: 22 May 2025 12:42

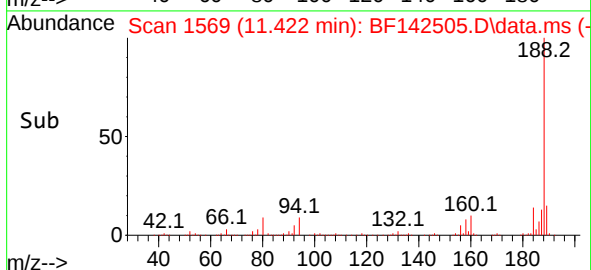
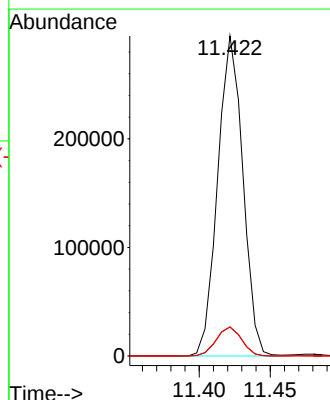
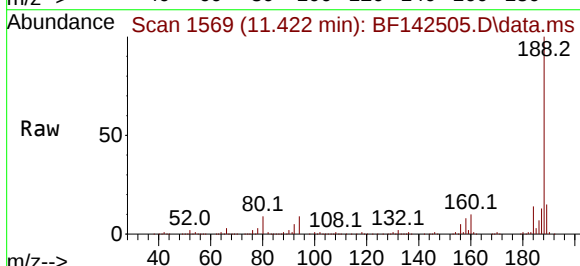
Tgt Ion:188 Resp: 363178

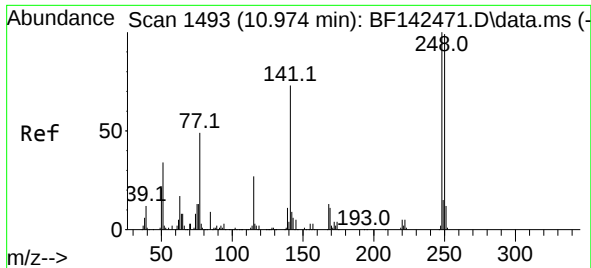
Ion Ratio Lower Upper

188 100

94 9.0 6.6 10.0

80 9.1 7.4 11.0

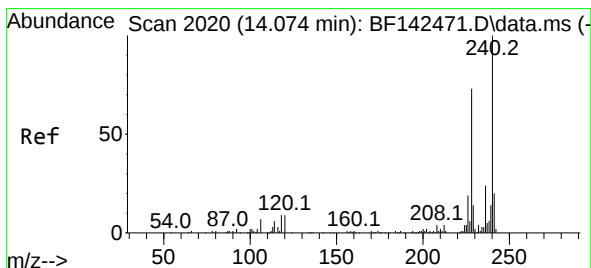
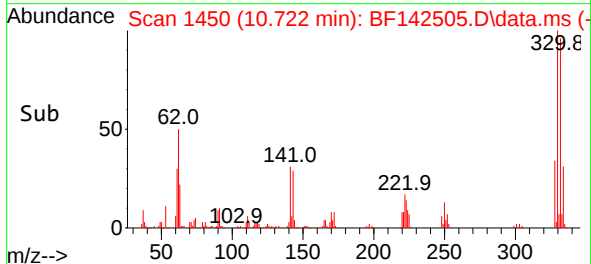
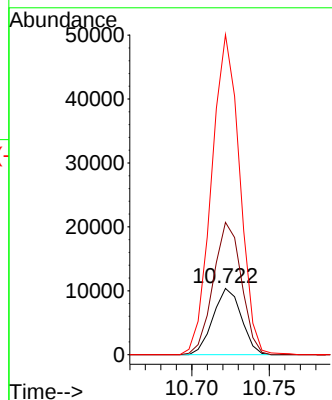
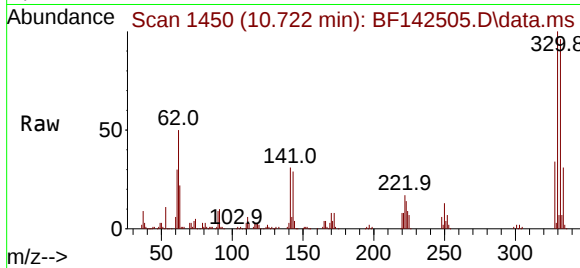




#67  
4-Bromophenyl-phenylether  
Concen: 3.061 ng  
RT: 10.722 min Scan# 1493  
Delta R.T. -0.253 min  
Lab File: BF142505.D  
Acq: 22 May 2025 12:42

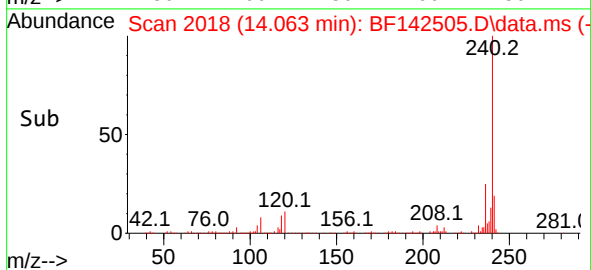
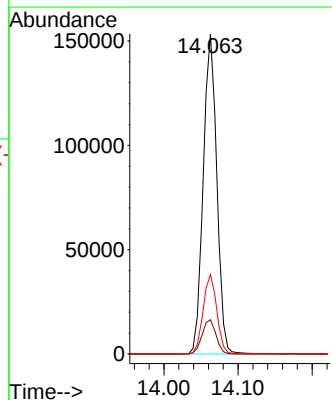
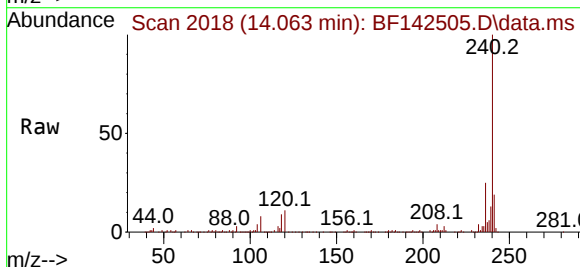
Instrument :  
BNA\_F  
ClientSampleId :  
TP-38

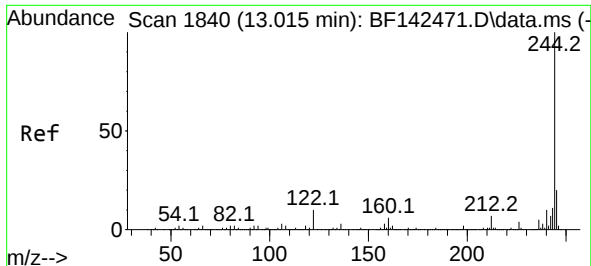
Tgt Ion:248 Resp: 13147  
Ion Ratio Lower Upper  
248 100  
250 199.8 79.0 118.4#  
141 483.0 58.4 87.6#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.063 min Scan# 2018  
Delta R.T. -0.012 min  
Lab File: BF142505.D  
Acq: 22 May 2025 12:42

Tgt Ion:240 Resp: 195335  
Ion Ratio Lower Upper  
240 100  
120 10.7 7.5 11.3  
236 24.9 19.6 29.4

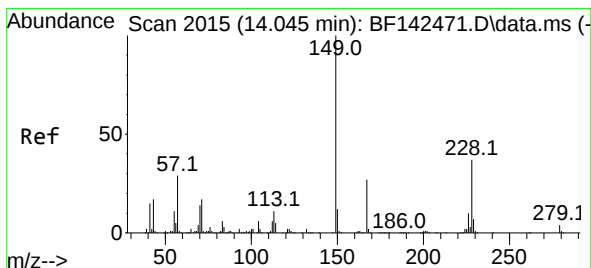
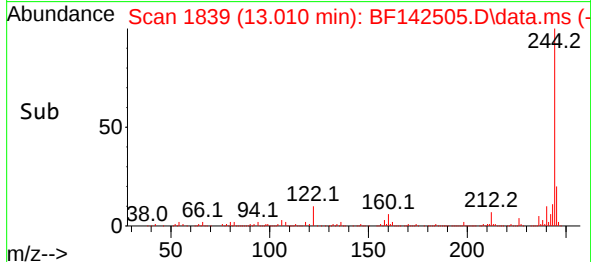
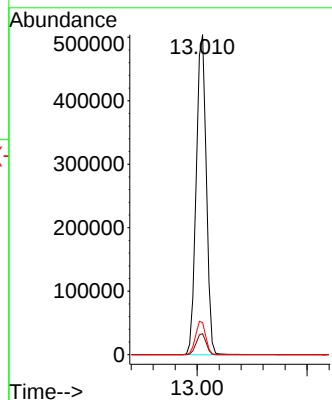
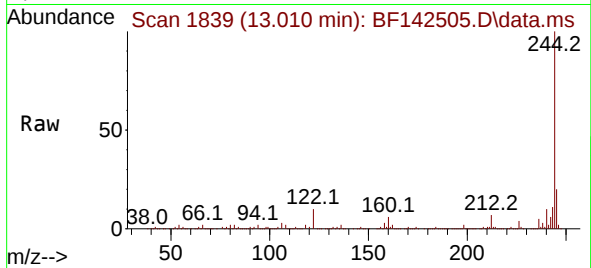




#79  
 Terphenyl-d14  
 Concen: 44.789 ng  
 RT: 13.010 min Scan# 1840  
 Delta R.T. -0.006 min  
 Lab File: BF142505.D  
 Acq: 22 May 2025 12:42

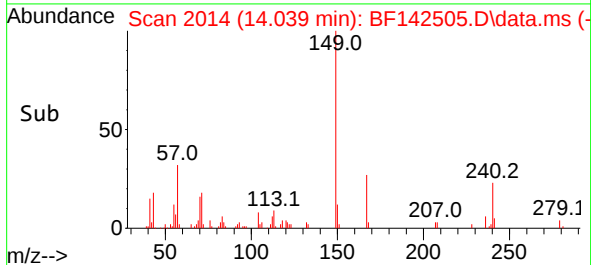
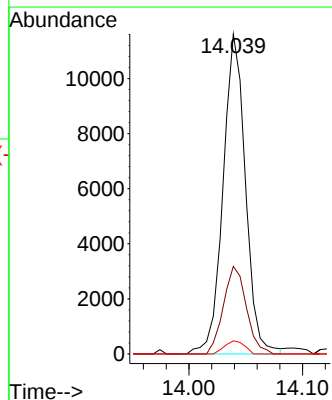
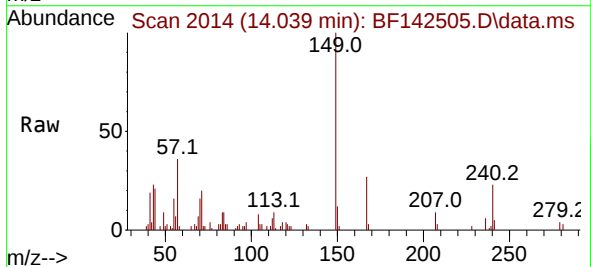
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-38

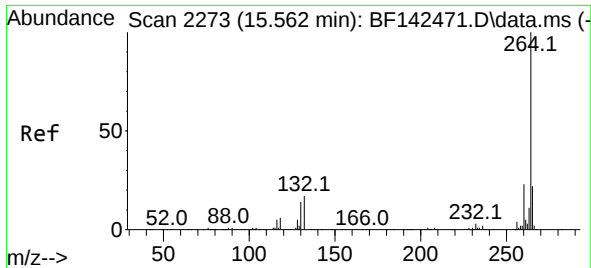
Tgt Ion:244 Resp: 640217  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.3 7.9  
 122 10.0 8.2 12.2



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.469 ng  
 RT: 14.039 min Scan# 2014  
 Delta R.T. -0.012 min  
 Lab File: BF142505.D  
 Acq: 22 May 2025 12:42

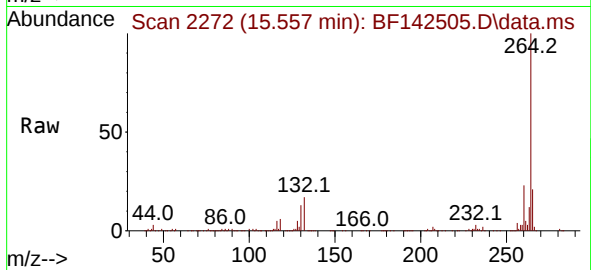
Tgt Ion:149 Resp: 15913  
 Ion Ratio Lower Upper  
 149 100  
 167 27.3 21.5 32.3  
 279 4.1 3.2 4.8





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.557 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF142505.D  
Acq: 22 May 2025 12:42

Instrument :  
BNA\_F  
ClientSampleId :  
TP-38



Tgt Ion:264 Resp: 215007  
Ion Ratio Lower Upper  
264 100  
260 23.1 18.6 28.0  
265 21.0 17.7 26.5

