

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032625\  
 Data File : BF142095.D  
 Acq On : 26 Mar 2025 14:07  
 Operator : RC/JU  
 Sample : PB167310BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB167310BL

Quant Time: Mar 26 14:38:07 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 10 15:46:22 2025  
 Response via : Initial Calibration

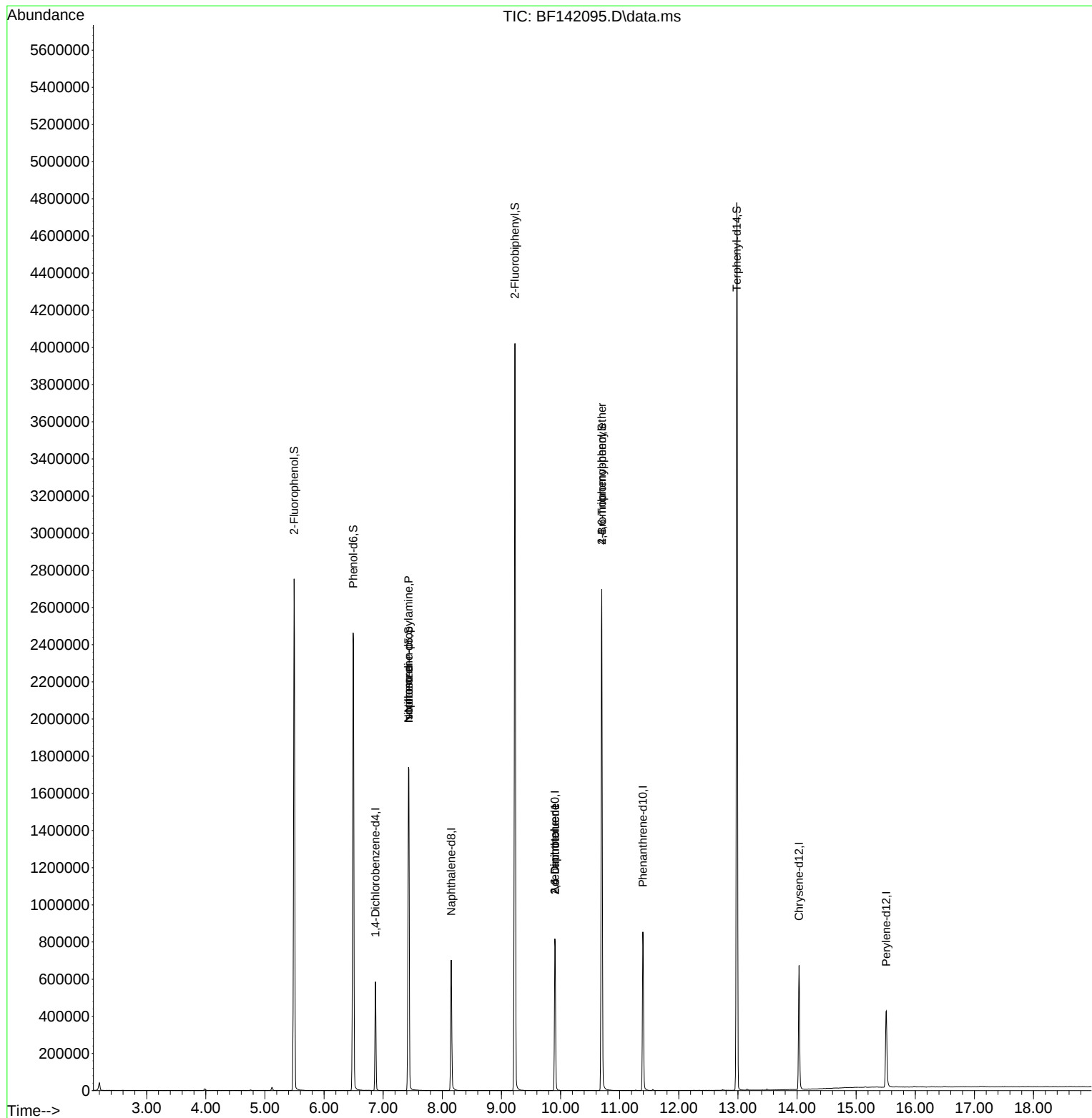
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 124680   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.151  | 136  | 480516   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.904  | 164  | 261927   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.392 | 188  | 473117   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 14.033 | 240  | 346676   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.510 | 264  | 279819   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 1099360  | 147.160 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.493  | 99   | 1315366  | 138.290 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.428  | 82   | 875669   | 102.555 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.698 | 330  | 540945   | 162.794 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.228  | 172  | 1815482  | 105.411 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.980 | 244  | 2531795  | 107.972 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.428  | 70   | 121576   | 19.892  | ng    | # 77     |
| 25) Isophorone                | 7.428  | 82   | 862952   | 57.174  | ng    | # 64     |
| 51) 2,6-Dinitrotoluene        | 9.904  | 165  | 33678    | 8.819   | ng    | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.904  | 165  | 33678    | 6.752   | ng    | # 24     |
| 67) 4-Bromophenyl-phenylether | 10.698 | 248  | 33143    | 5.578   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

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

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ALS Vial : 5 Sample Multiplier: 1

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PB167310BL

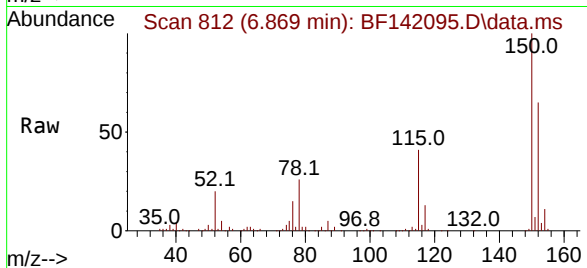
Quant Time: Mar 26 14:38:07 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 10 15:46:22 2025  
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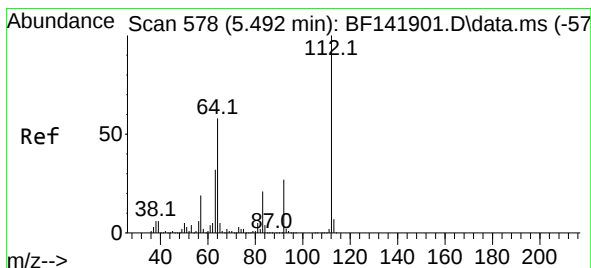
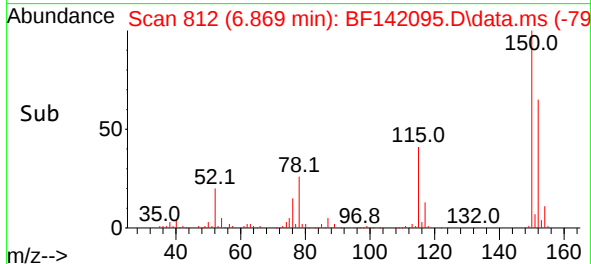
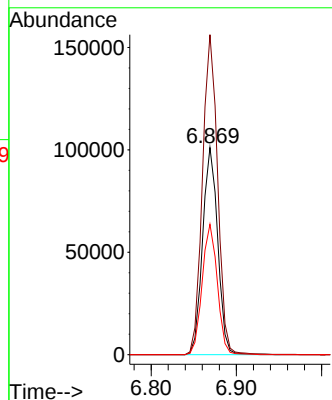


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 814  
Delta R.T. -0.012 min  
Lab File: BF142095.D  
Acq: 26 Mar 2025 14:07

Instrument :  
BNA\_F  
ClientSampleId :  
PB167310BL

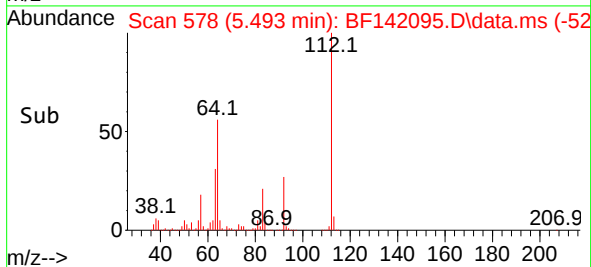
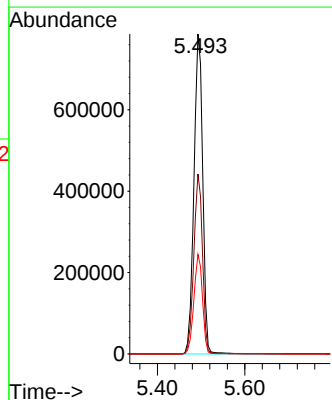
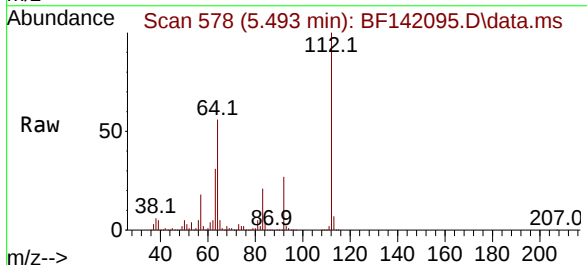


Tgt Ion:152 Resp: 124680  
Ion Ratio Lower Upper  
152 100  
150 154.5 127.4 191.2  
115 62.9 51.9 77.9



#5  
2-Fluorophenol  
Concen: 147.160 ng  
RT: 5.493 min Scan# 578  
Delta R.T. 0.000 min  
Lab File: BF142095.D  
Acq: 26 Mar 2025 14:07

Tgt Ion:112 Resp: 1099360  
Ion Ratio Lower Upper  
112 100  
64 56.3 46.5 69.7  
63 31.1 25.4 38.2

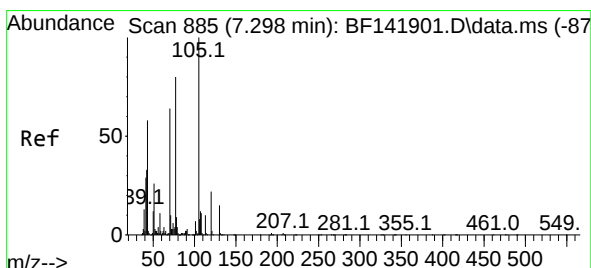
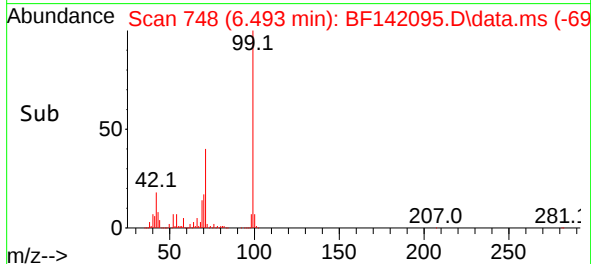
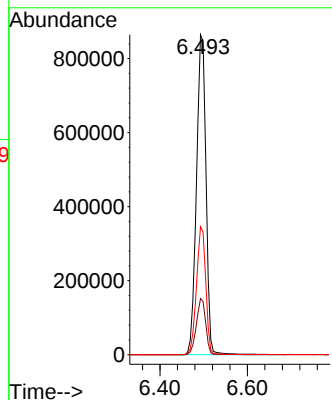
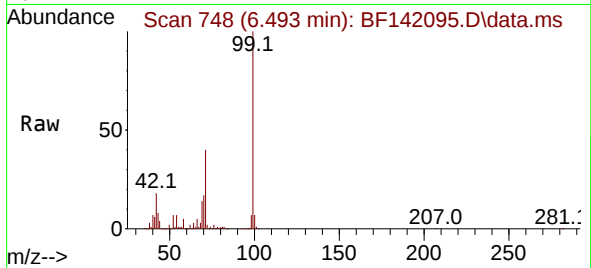




#7  
Phenol-d6  
Concen: 138.290 ng  
RT: 6.493 min Scan# 74  
Delta R.T. -0.012 min  
Lab File: BF142095.D  
Acq: 26 Mar 2025 14:07

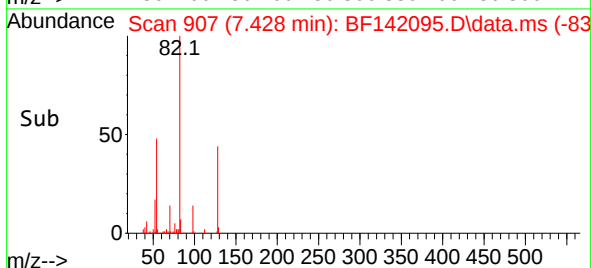
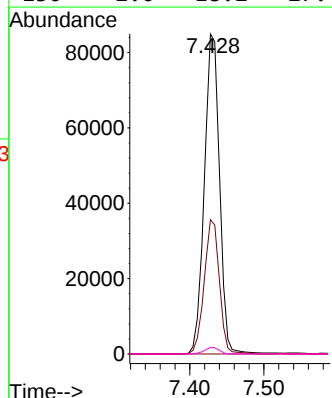
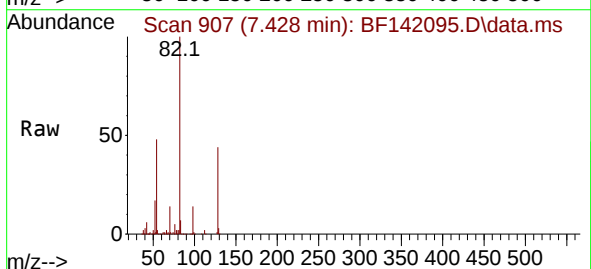
Instrument :  
BNA\_F  
ClientSampleId :  
PB167310BL

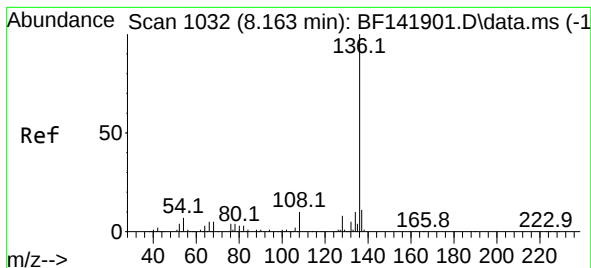
Tgt Ion: 99 Resp: 1315366  
Ion Ratio Lower Upper  
99 100  
42 17.5 14.6 21.8  
71 40.0 30.8 46.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.892 ng  
RT: 7.428 min Scan# 907  
Delta R.T. 0.130 min  
Lab File: BF142095.D  
Acq: 26 Mar 2025 14:07

Tgt Ion: 70 Resp: 121576  
Ion Ratio Lower Upper  
70 100  
42 42.0 41.4 62.0  
101 0.0 8.2 12.2#  
130 2.0 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.012 min

Lab File: BF142095.D

Acq: 26 Mar 2025 14:07

Instrument :

BNA\_F

ClientSampleId :

PB167310BL

Tgt Ion:136 Resp: 480516

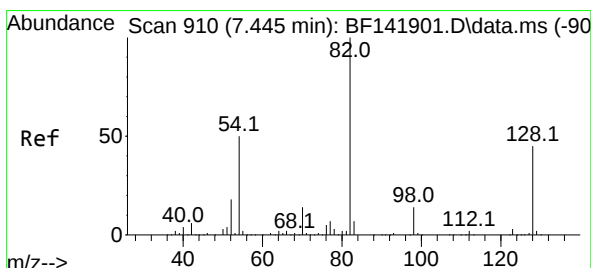
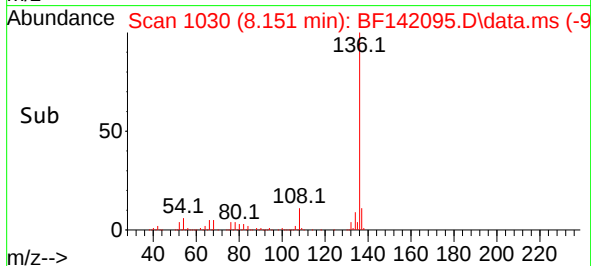
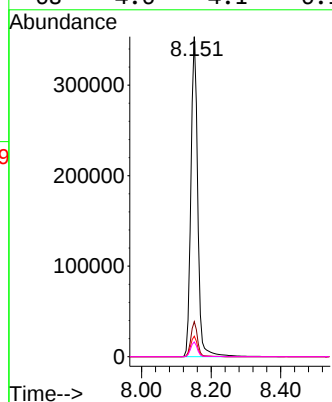
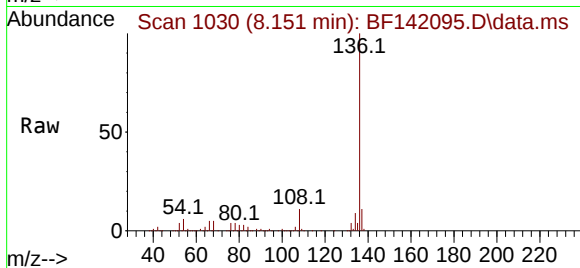
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 6.4 5.8 8.8

68 4.6 4.1 6.1



#23

Nitrobenzene-d5

Concen: 102.555 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.017 min

Lab File: BF142095.D

Acq: 26 Mar 2025 14:07

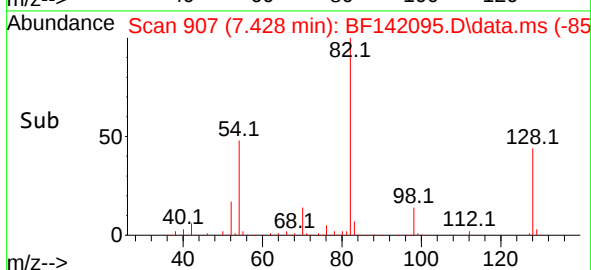
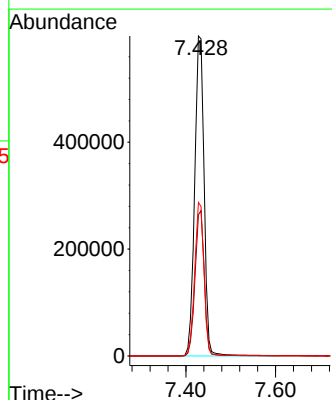
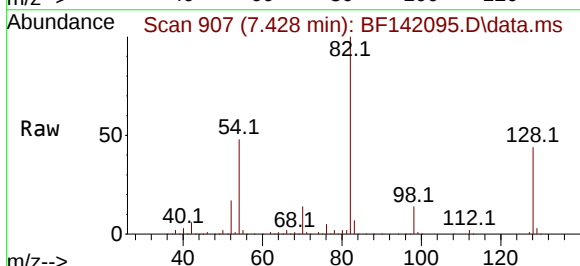
Tgt Ion: 82 Resp: 875669

Ion Ratio Lower Upper

82 100

128 44.1 36.0 54.0

54 48.0 39.6 59.4

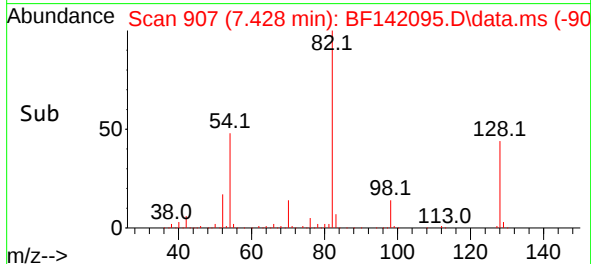
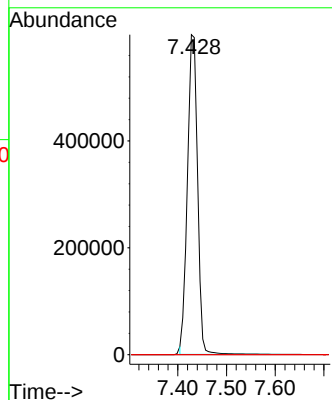
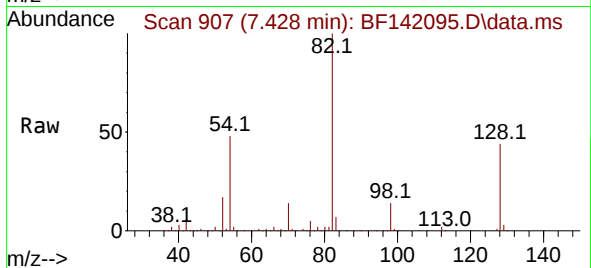




#25  
Isophorone  
Concen: 57.174 ng  
RT: 7.428 min Scan# 90  
Delta R.T. -0.276 min  
Lab File: BF142095.D  
Acq: 26 Mar 2025 14:07

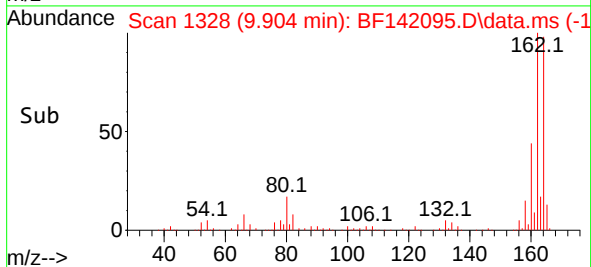
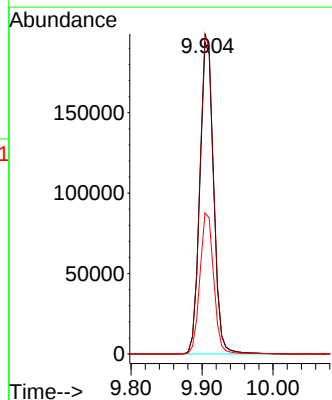
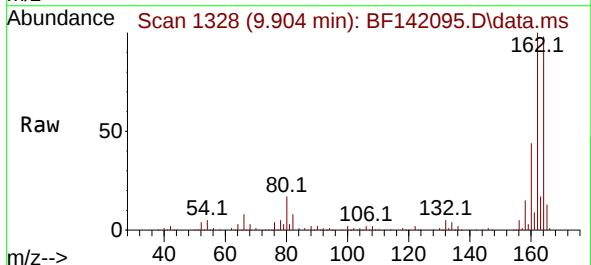
Instrument :  
BNA\_F  
ClientSampleId :  
PB167310BL

Tgt Ion: 82 Resp: 862952  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.4 9.6#  
138 0.0 14.9 22.3#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.904 min Scan# 1328  
Delta R.T. -0.012 min  
Lab File: BF142095.D  
Acq: 26 Mar 2025 14:07

Tgt Ion:164 Resp: 261927  
Ion Ratio Lower Upper  
164 100  
162 102.5 81.8 122.6  
160 45.2 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 162.794 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142095.D

Acq: 26 Mar 2025 14:07

Instrument :

BNA\_F

ClientSampleId :

PB167310BL

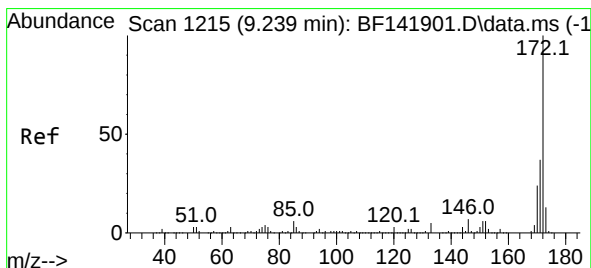
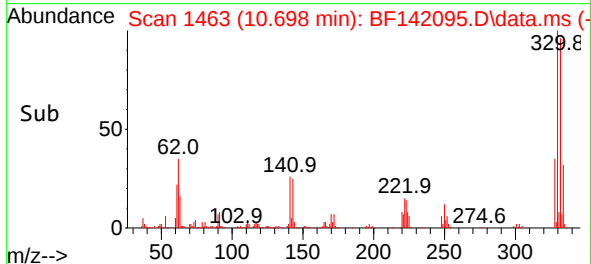
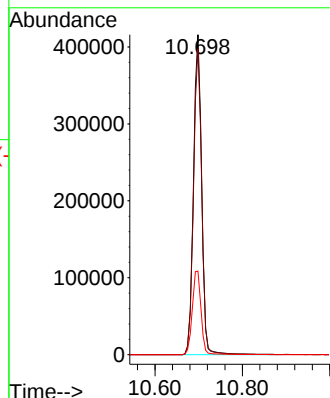
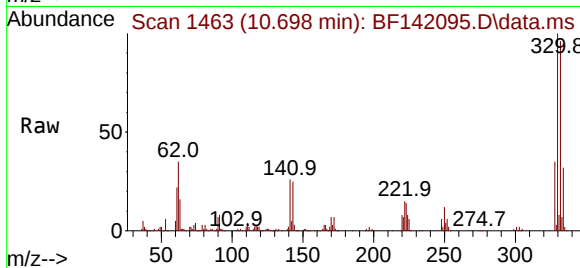
Tgt Ion:330 Resp: 540945

Ion Ratio Lower Upper

330 100

332 95.7 77.6 116.4

141 28.1 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 105.411 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142095.D

Acq: 26 Mar 2025 14:07

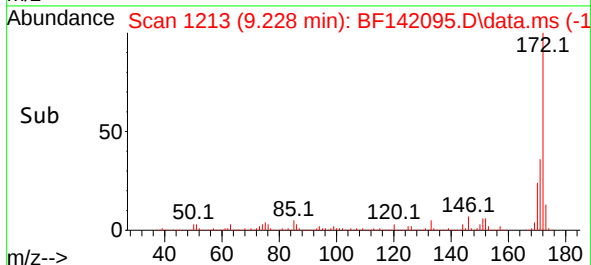
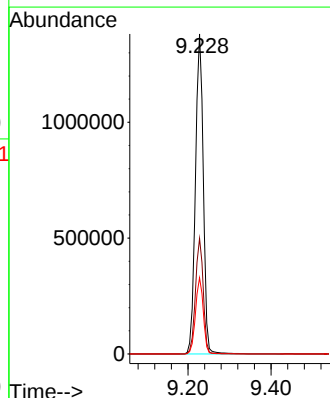
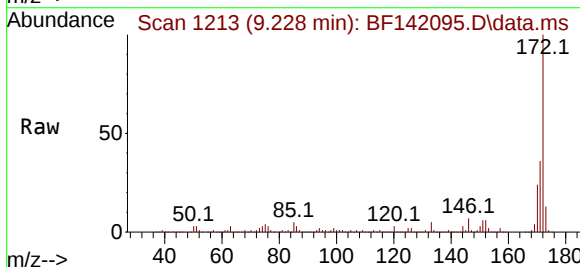
Tgt Ion:172 Resp: 1815482

Ion Ratio Lower Upper

172 100

171 36.1 29.3 43.9

170 23.8 19.4 29.0

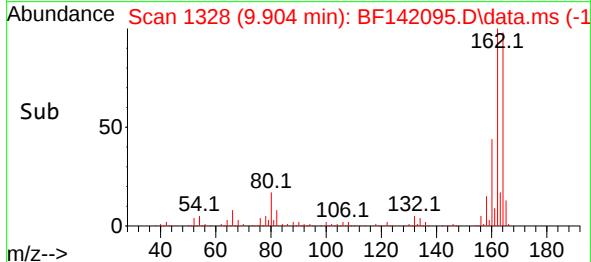
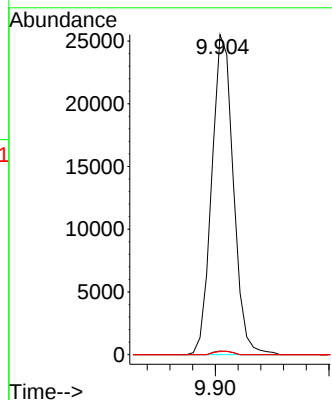
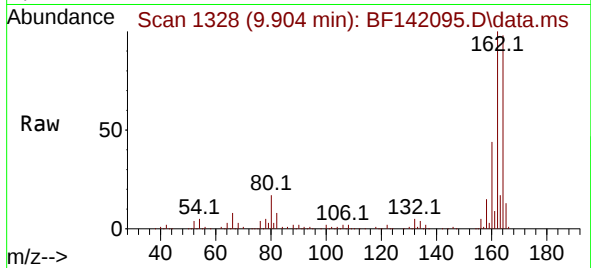




#51  
2,6-Dinitrotoluene  
Concen: 8.819 ng  
RT: 9.904 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF142095.D  
Acq: 26 Mar 2025 14:07

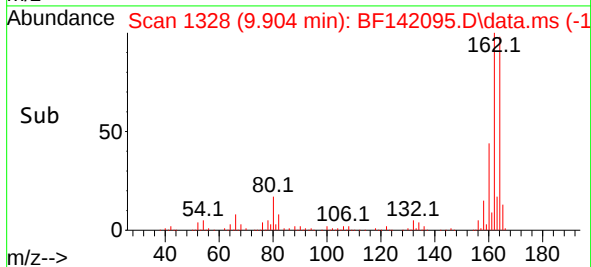
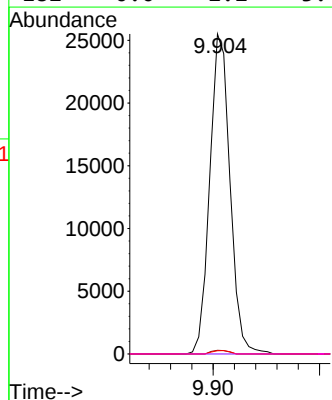
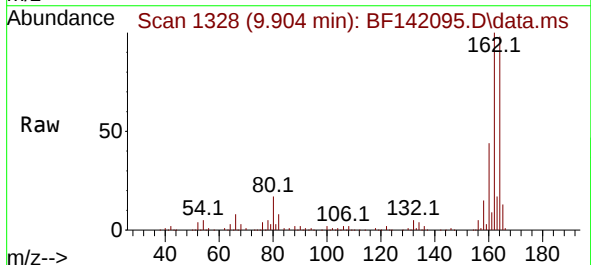
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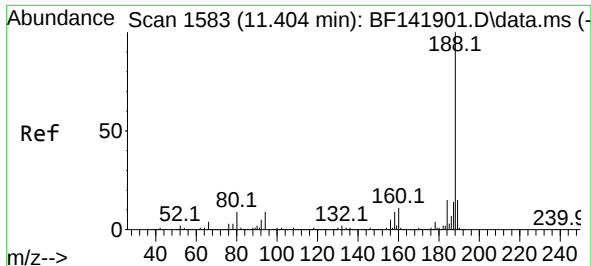
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Ion Ratio Lower Upper  
165 100  
63 1.2 47.0 70.4#  
89 1.0 47.4 71.2#



#57  
2,4-Dinitrotoluene  
Concen: 6.752 ng  
RT: 9.904 min Scan# 1328  
Delta R.T. -0.200 min  
Lab File: BF142095.D  
Acq: 26 Mar 2025 14:07

Tgt Ion:165 Resp: 33678  
Ion Ratio Lower Upper  
165 100  
63 1.2 35.4 53.2#  
89 1.0 56.6 84.8#  
182 0.0 2.2 3.4#

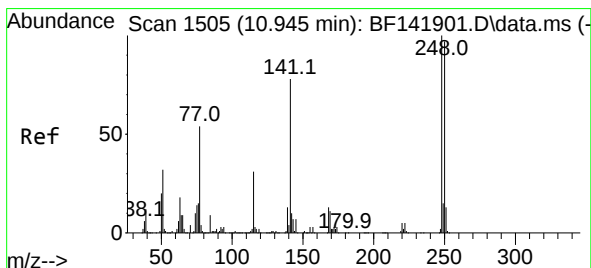
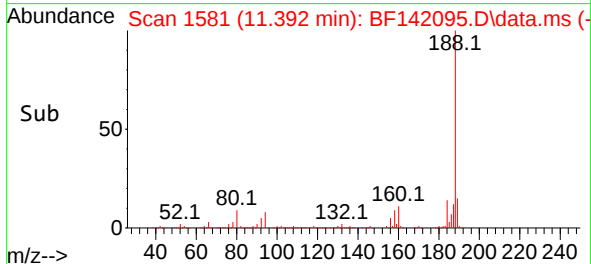
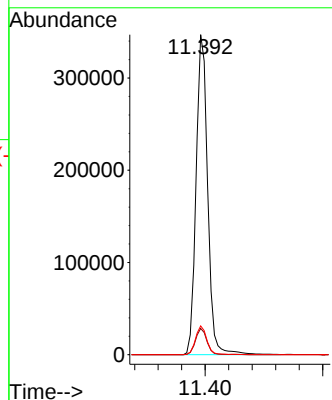
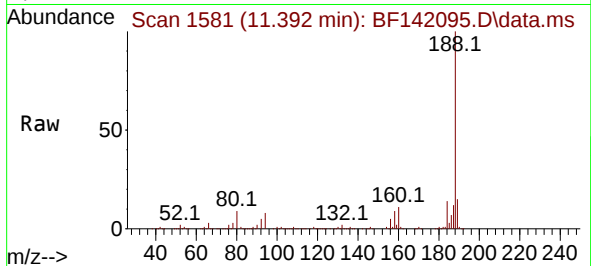




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.392 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF142095.D  
Acq: 26 Mar 2025 14:07

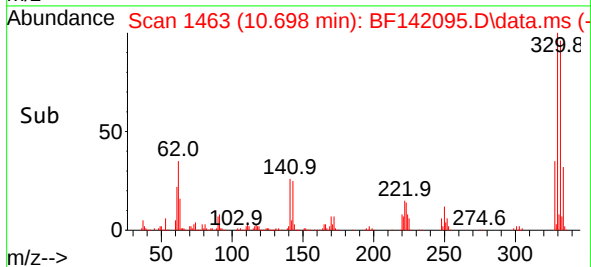
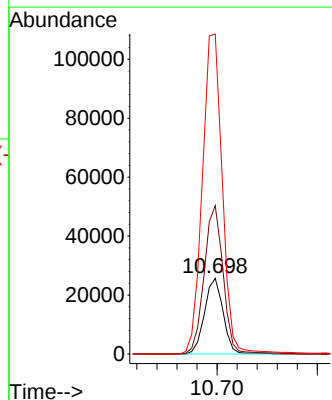
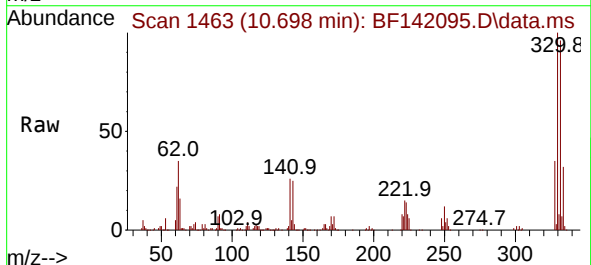
Instrument :  
BNA\_F  
ClientSampleId :  
PB167310BL

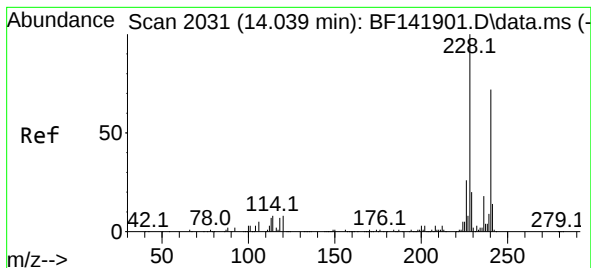
Tgt Ion:188 Resp: 473117  
Ion Ratio Lower Upper  
188 100  
94 8.2 6.8 10.2  
80 9.0 7.6 11.4



#67  
4-Bromophenyl-phenylether  
Concen: 5.578 ng  
RT: 10.698 min Scan# 1463  
Delta R.T. -0.247 min  
Lab File: BF142095.D  
Acq: 26 Mar 2025 14:07

Tgt Ion:248 Resp: 33143  
Ion Ratio Lower Upper  
248 100  
250 195.8 77.8 116.8#  
141 422.4 62.6 93.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142095.D

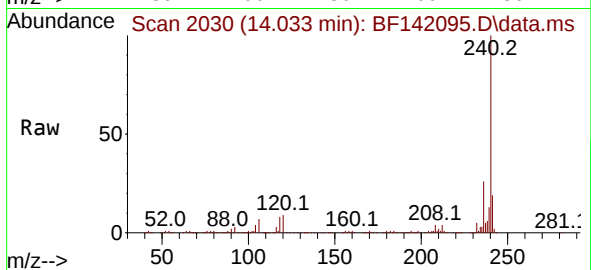
Acq: 26 Mar 2025 14:07

Instrument :

BNA\_F

ClientSampleId :

PB167310BL



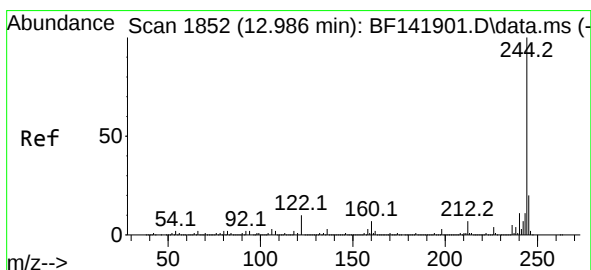
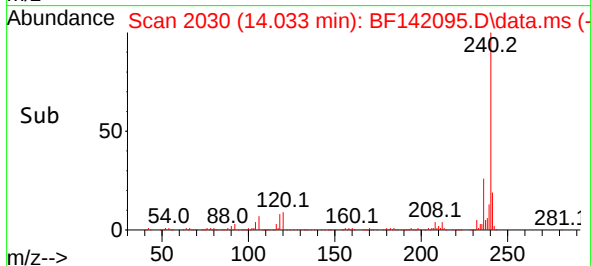
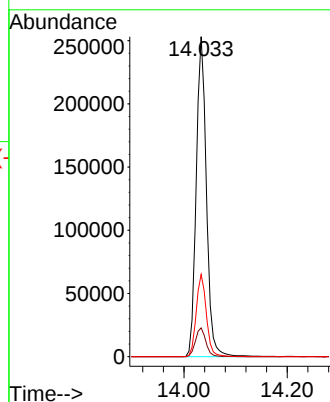
Tgt Ion:240 Resp: 346676

Ion Ratio Lower Upper

240 100

120 9.0 8.4 12.6

236 25.7 20.5 30.7



#79

Terphenyl-d14

Concen: 107.972 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142095.D

Acq: 26 Mar 2025 14:07

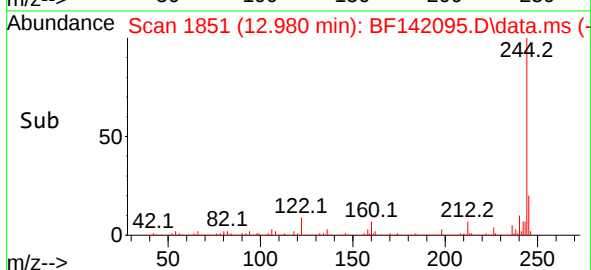
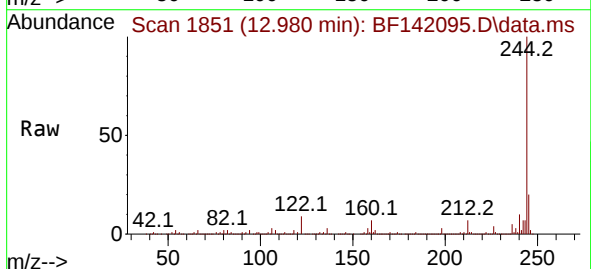
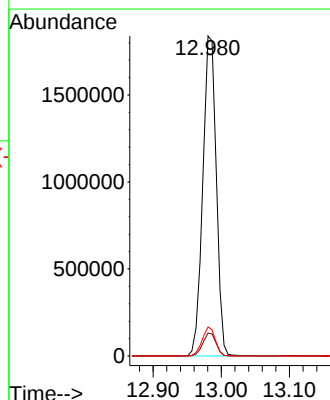
Tgt Ion:244 Resp: 2531795

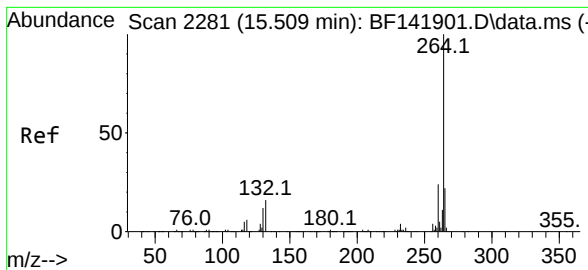
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

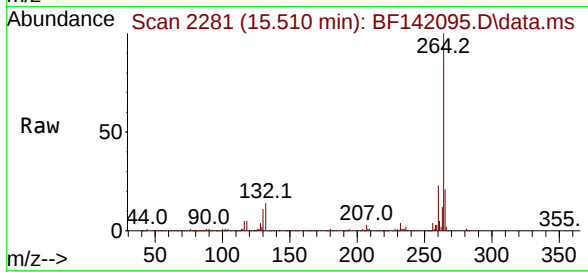
122 9.1 7.7 11.5





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.510 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BF142095.D  
 Acq: 26 Mar 2025 14:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB167310BL



Tgt Ion:264 Resp: 279819

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.2  | 19.1  | 28.7  |
| 265 | 21.5  | 17.5  | 26.3  |

