

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051225\  
 Data File : BF142333.D  
 Acq On : 12 May 2025 21:31  
 Operator : RC/JU  
 Sample : Q2004-12  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STONE-STOCK

Quant Time: May 13 01:05:52 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050525.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 05 18:41:44 2025  
 Response via : Initial Calibration

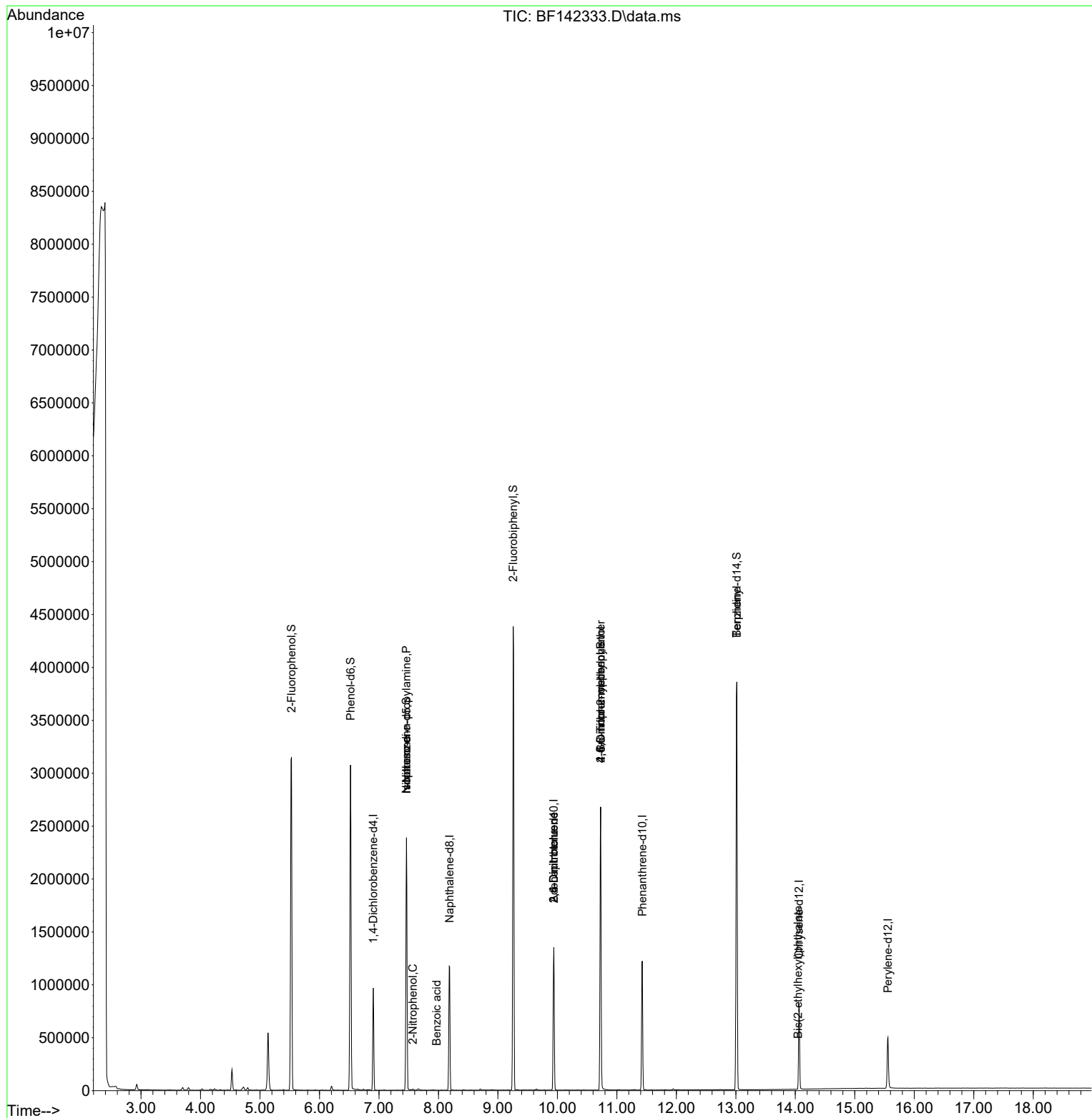
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.904  | 152  | 199109   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.187  | 136  | 756995   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.939  | 164  | 392804   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.428 | 188  | 644271   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.063 | 240  | 388366   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.557 | 264  | 282746   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.528  | 112  | 1302229  | 111.648 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.522  | 99   | 1460835  | 101.832 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.463  | 82   | 985837   | 79.424  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.728 | 330  | 484591   | 127.778 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.257  | 172  | 1983511  | 72.001  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.016 | 244  | 1970920  | 75.114  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.463  | 70   | 132579   | 14.941  | ng    | # 78     |
| 25) Isophorone                | 7.463  | 82   | 974949   | 41.479  | ng    | # 62     |
| 26) 2-Nitrophenol             | 7.569  | 139  | 220      | 4.123   | ng    | # 36     |
| 32) Benzoic acid              | 7.969  | 122  | 60       | 6.024   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.939  | 165  | 50766    | 10.753  | ng    | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.939  | 165  | 50766    | 8.383   | ng    | # 24     |
| 65) 4,6-Dinitro-2-methylph... | 10.728 | 198  | 795      | 7.410   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.728 | 248  | 28823    | 3.947   | ng    | # 1      |
| 77) Benzidine                 | 13.016 | 184  | 24009    | 3.402   | ng    | # 97     |
| 84) Bis(2-ethylhexyl)phtha... | 14.045 | 149  | 235      | 4.253   | ng    | # 52     |
| -----                         |        |      |          |         |       |          |

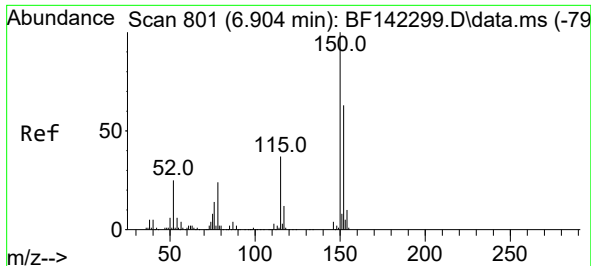
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051225\  
Data File : BF142333.D  
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Quant Time: May 13 01:05:52 2025  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon May 05 18:41:44 2025  
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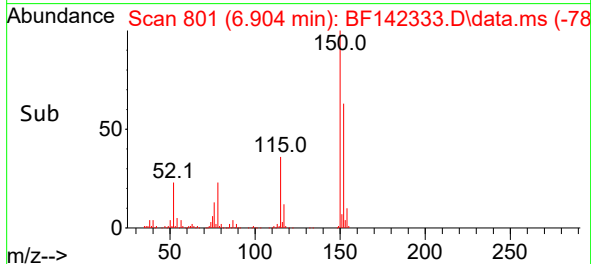
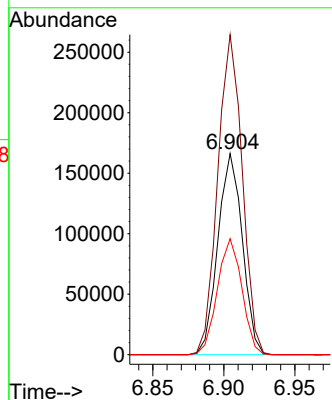
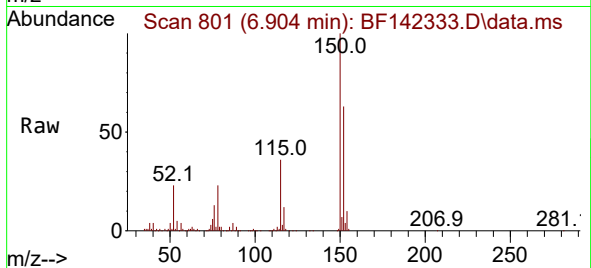




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.904 min Scan# 801  
Delta R.T. 0.000 min  
Lab File: BF142333.D  
Acq: 12 May 2025 21:31

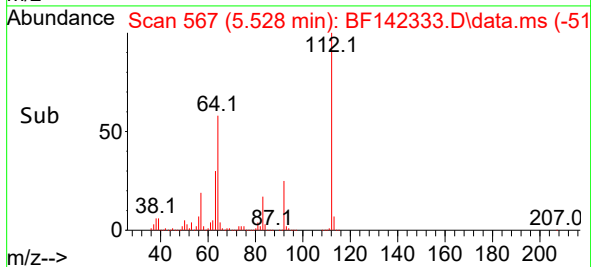
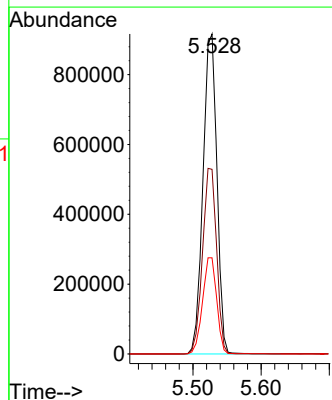
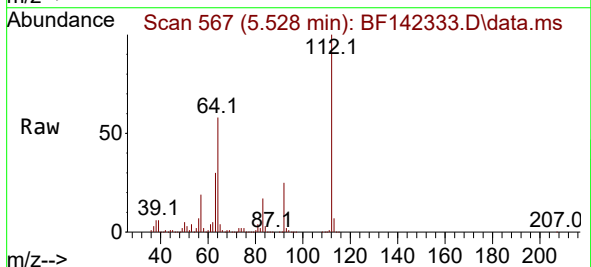
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BNA\_F  
ClientSampleId :  
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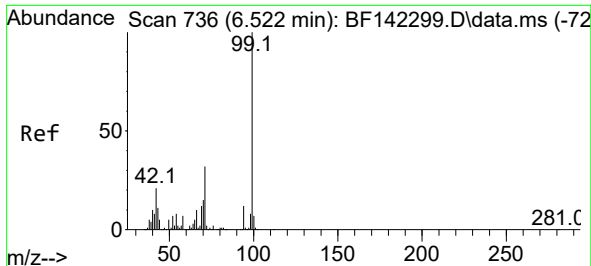
Tgt Ion:152 Resp: 199109  
Ion Ratio Lower Upper  
152 100  
150 159.1 126.6 190.0  
115 57.7 47.3 70.9



#5  
2-Fluorophenol  
Concen: 111.648 ng  
RT: 5.528 min Scan# 567  
Delta R.T. 0.018 min  
Lab File: BF142333.D  
Acq: 12 May 2025 21:31

Tgt Ion:112 Resp: 1302229  
Ion Ratio Lower Upper  
112 100  
64 57.7 48.9 73.3  
63 30.1 25.6 38.4

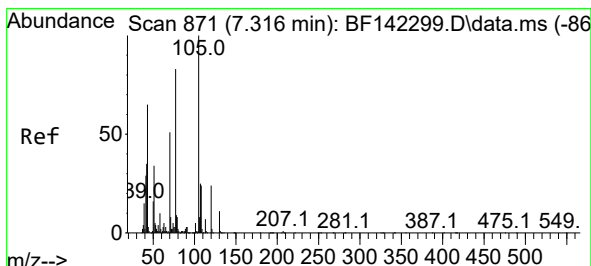
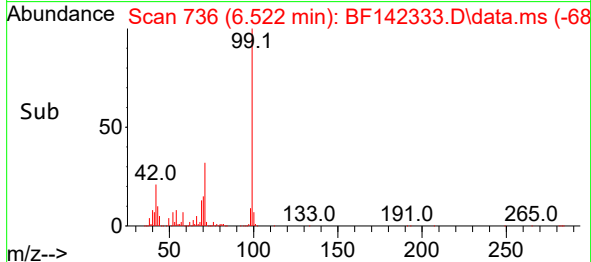
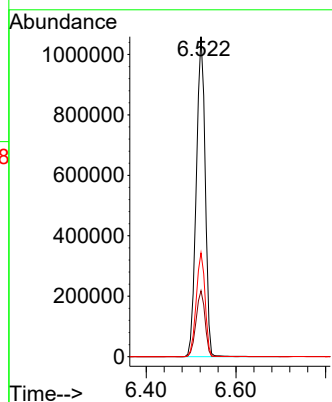
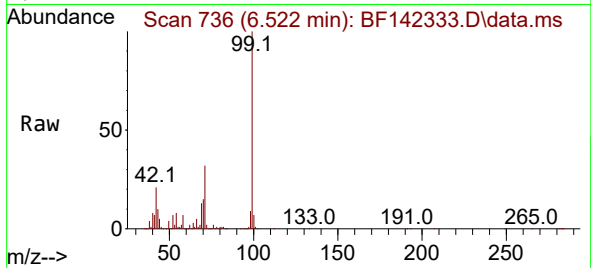




#7  
Phenol-d6  
Concen: 101.832 ng  
RT: 6.522 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF142333.D  
Acq: 12 May 2025 21:31

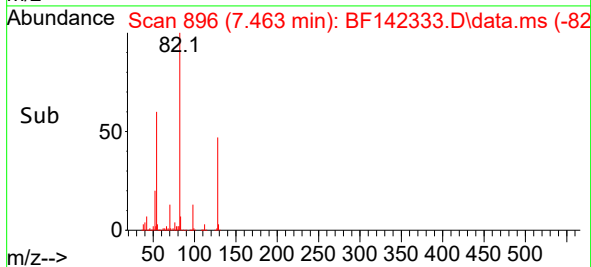
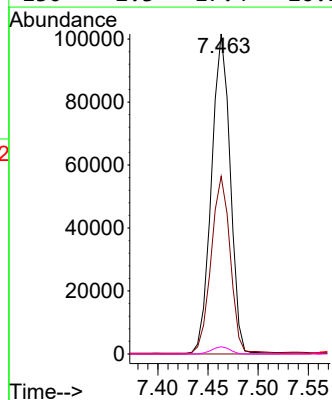
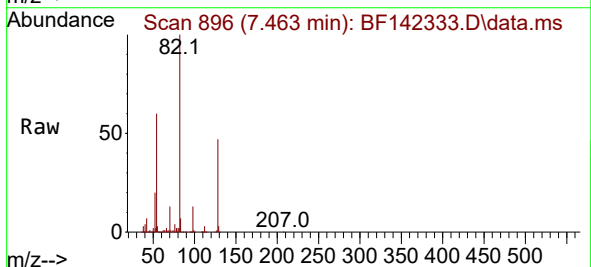
Instrument :  
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ClientSampleId :  
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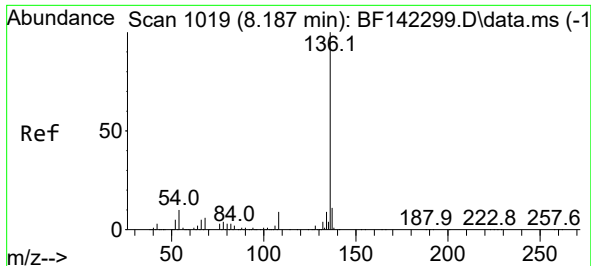
Tgt Ion: 99 Resp: 1460835  
Ion Ratio Lower Upper  
99 100  
42 20.6 17.0 25.4  
71 32.5 25.8 38.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.941 ng  
RT: 7.463 min Scan# 896  
Delta R.T. 0.147 min  
Lab File: BF142333.D  
Acq: 12 May 2025 21:31

Tgt Ion: 70 Resp: 132579  
Ion Ratio Lower Upper  
70 100  
42 55.5 54.8 82.2  
101 0.0 7.7 11.5#  
130 2.3 17.4 26.2#

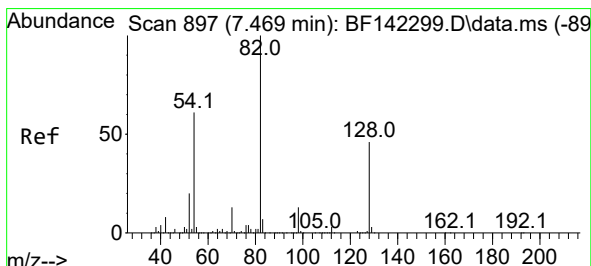
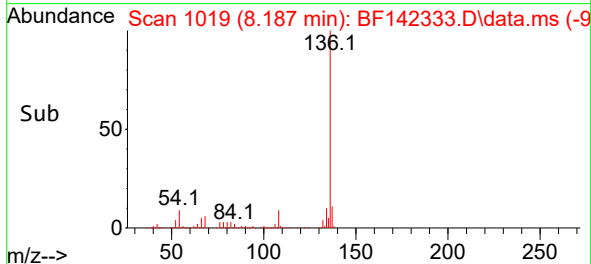
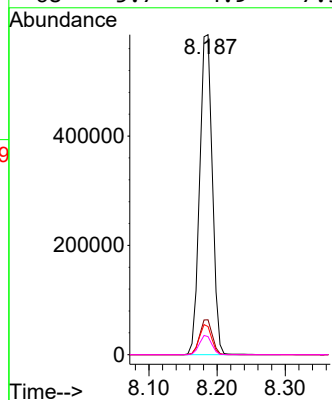
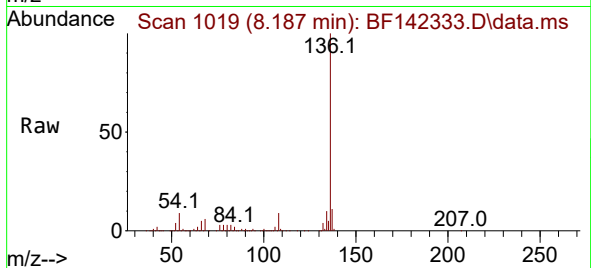




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.187 min Scan# 1019  
Delta R.T. 0.000 min  
Lab File: BF142333.D  
Acq: 12 May 2025 21:31

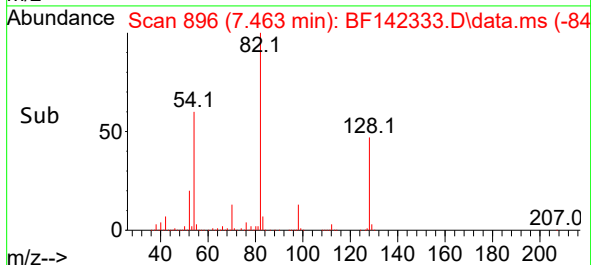
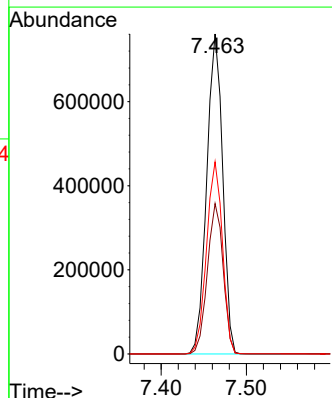
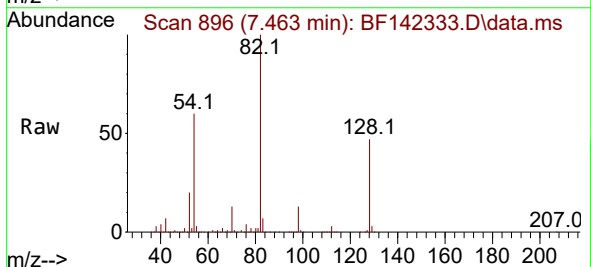
Instrument :  
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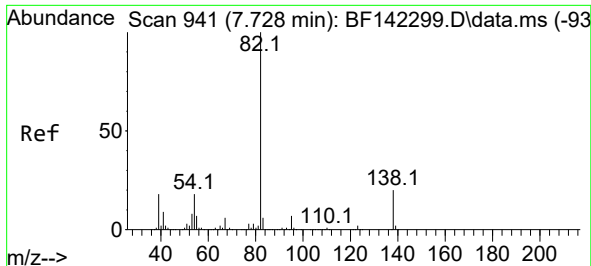
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 756995 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.9   | 13.3   |
| 54       | 8.8   | 7.7   | 11.5   |
| 68       | 5.7   | 4.9   | 7.3    |



#23  
Nitrobenzene-d5  
Concen: 79.424 ng  
RT: 7.463 min Scan# 896  
Delta R.T. -0.006 min  
Lab File: BF142333.D  
Acq: 12 May 2025 21:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 985837 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 47.0  | 37.0  | 55.6   |
| 54       | 60.0  | 48.6  | 73.0   |

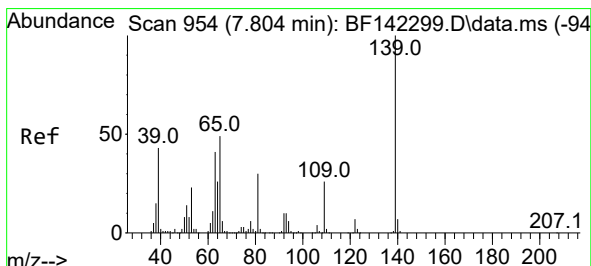
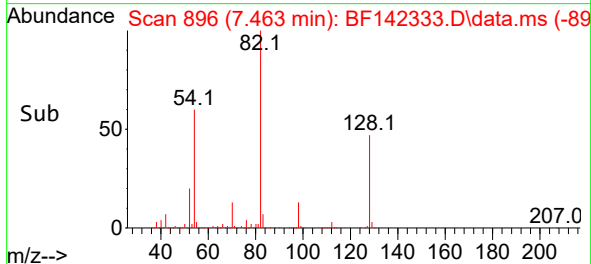
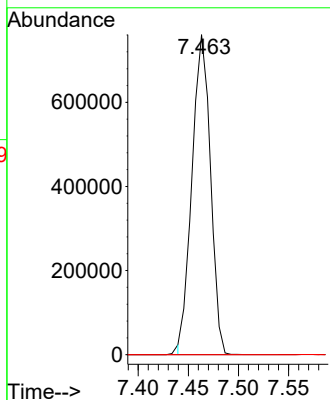
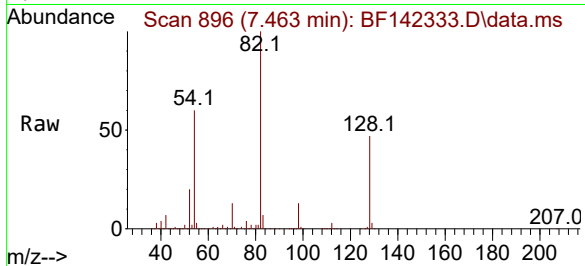




#25  
Isophorone  
Concen: 41.479 ng  
RT: 7.463 min Scan# 896  
Delta R.T. -0.265 min  
Lab File: BF142333.D  
Acq: 12 May 2025 21:31

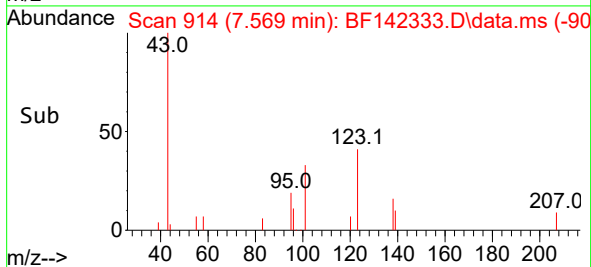
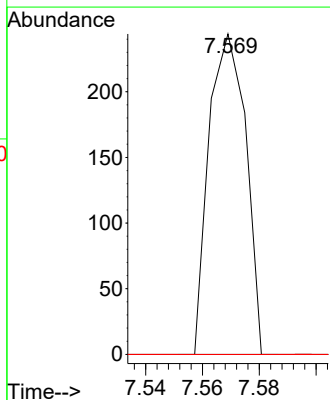
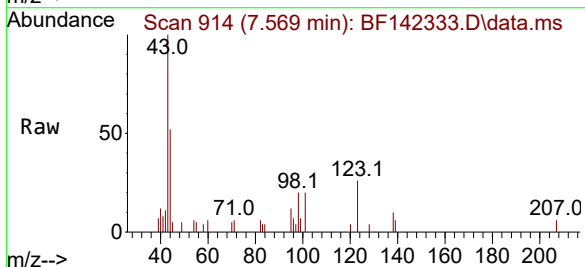
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BNA\_F  
ClientSampleId :  
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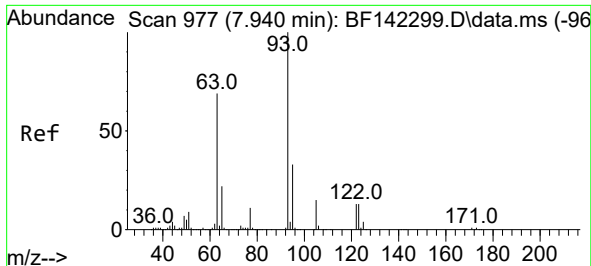
Tgt Ion: 82 Resp: 974949  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.8#  
138 0.0 16.1 24.1#



#26  
2-Nitrophenol  
Concen: 4.123 ng  
RT: 7.569 min Scan# 914  
Delta R.T. -0.235 min  
Lab File: BF142333.D  
Acq: 12 May 2025 21:31

Tgt Ion:139 Resp: 220  
Ion Ratio Lower Upper  
139 100  
109 0.0 20.8 31.2#  
65 0.0 38.9 58.3#

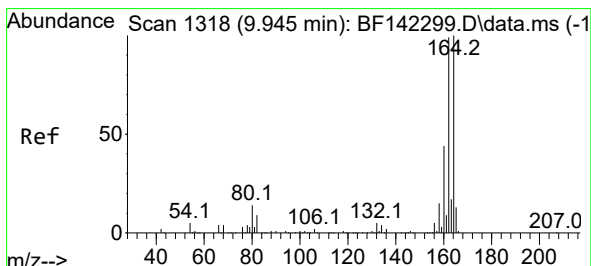
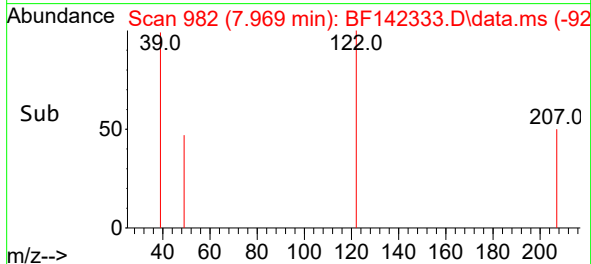
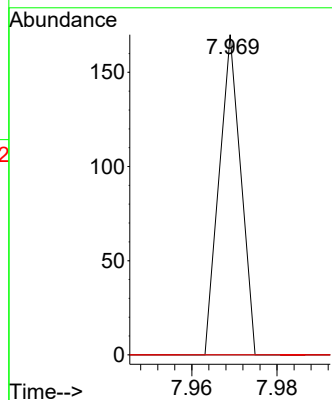
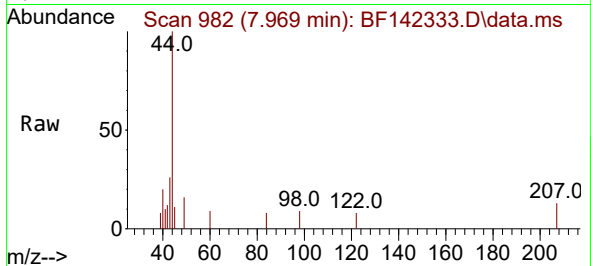




#32  
Benzoic acid  
Concen: 6.024 ng  
RT: 7.969 min Scan# 91  
Delta R.T. 0.029 min  
Lab File: BF142333.D  
Acq: 12 May 2025 21:31

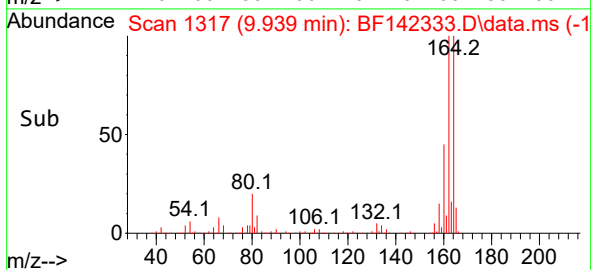
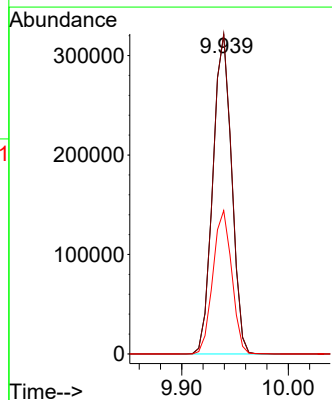
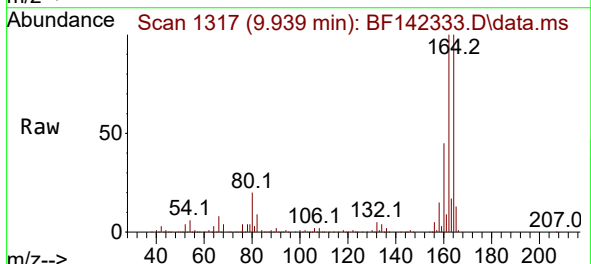
Instrument :  
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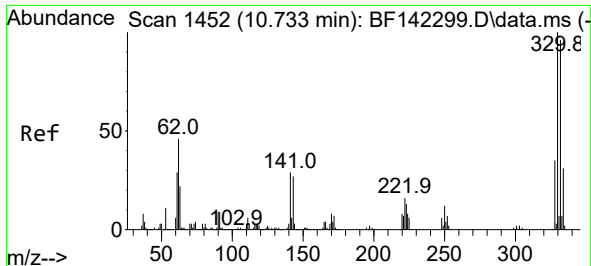
Tgt Ion:122 Resp: 60  
Ion Ratio Lower Upper  
122 100  
105 0.0 97.9 137.9#  
77 0.0 67.7 107.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.939 min Scan# 1317  
Delta R.T. -0.006 min  
Lab File: BF142333.D  
Acq: 12 May 2025 21:31

Tgt Ion:164 Resp: 392804  
Ion Ratio Lower Upper  
164 100  
162 100.3 79.2 118.8  
160 45.0 35.3 52.9

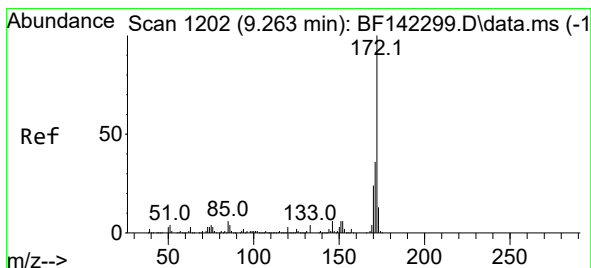
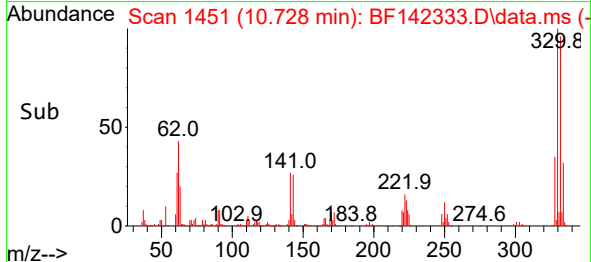
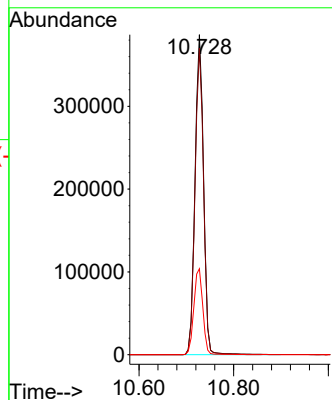
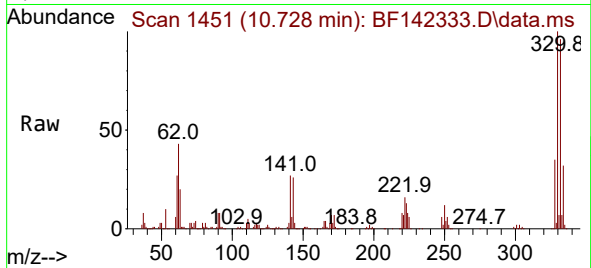




#42  
2,4,6-Tribromophenol  
Concen: 127.778 ng  
RT: 10.728 min Scan# 1451  
Delta R.T. -0.006 min  
Lab File: BF142333.D  
Acq: 12 May 2025 21:31

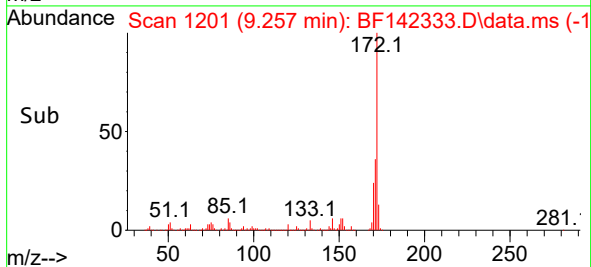
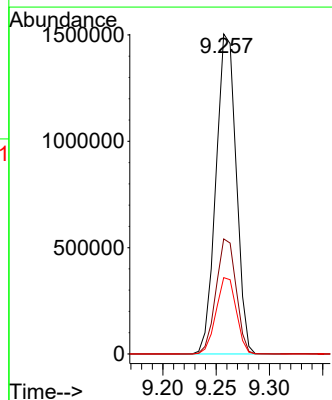
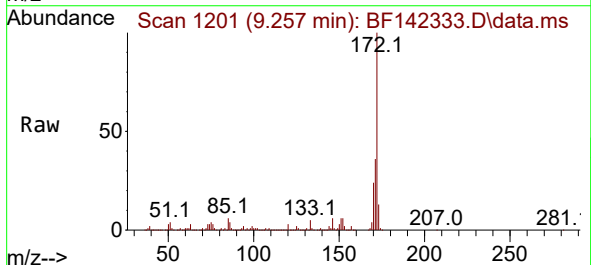
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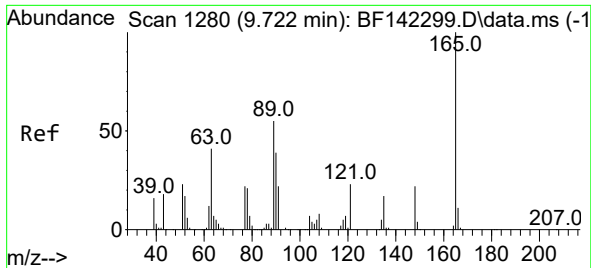
Tgt Ion:330 Resp: 484591  
Ion Ratio Lower Upper  
330 100  
332 96.1 76.8 115.2  
141 28.3 24.9 37.3



#45  
2-Fluorobiphenyl  
Concen: 72.001 ng  
RT: 9.257 min Scan# 1201  
Delta R.T. -0.006 min  
Lab File: BF142333.D  
Acq: 12 May 2025 21:31

Tgt Ion:172 Resp: 1983511  
Ion Ratio Lower Upper  
172 100  
171 36.0 28.6 42.8  
170 23.9 19.0 28.4

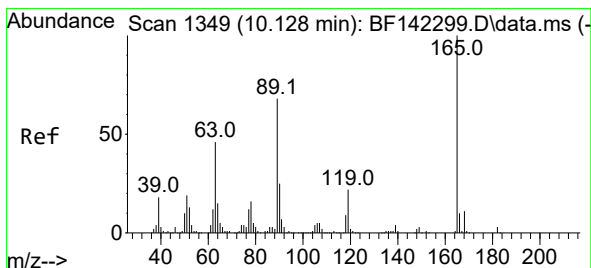
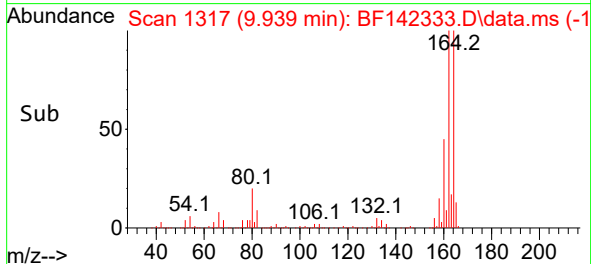
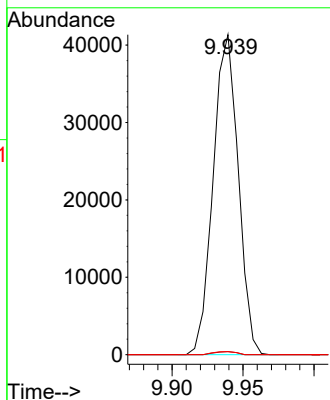
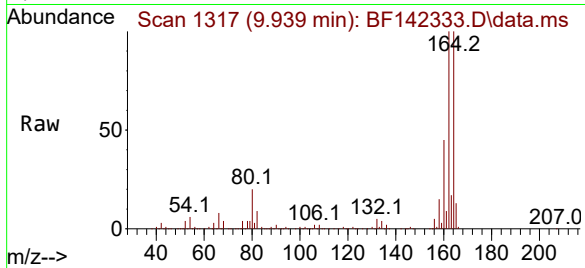




#51  
2,6-Dinitrotoluene  
Concen: 10.753 ng  
RT: 9.939 min Scan# 11  
Delta R.T. 0.218 min  
Lab File: BF142333.D  
Acq: 12 May 2025 21:31

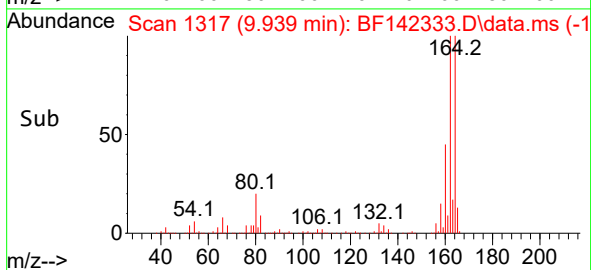
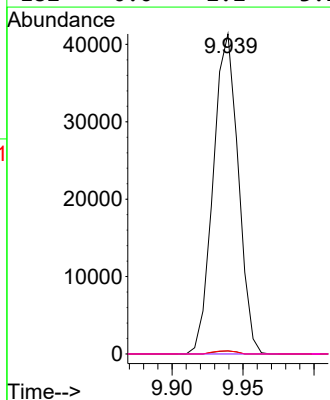
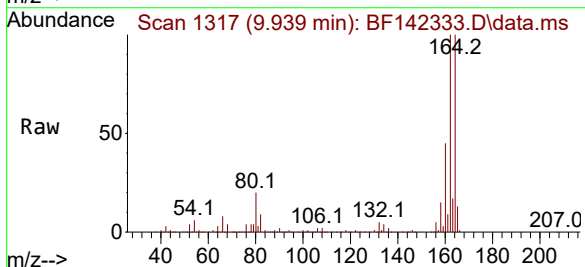
Instrument :  
BNA\_F  
ClientSampleId :  
STONE-STOCK

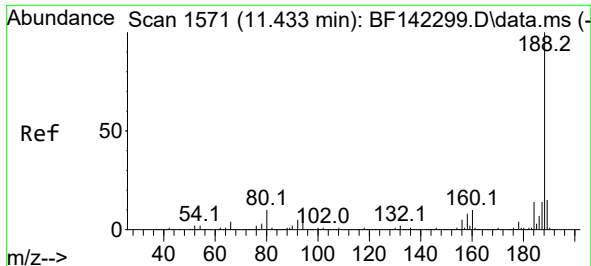
Tgt Ion:165 Resp: 50766  
Ion Ratio Lower Upper  
165 100  
63 0.9 49.5 74.3#  
89 1.0 44.6 66.8#



#57  
2,4-Dinitrotoluene  
Concen: 8.383 ng  
RT: 9.939 min Scan# 1317  
Delta R.T. -0.188 min  
Lab File: BF142333.D  
Acq: 12 May 2025 21:31

Tgt Ion:165 Resp: 50766  
Ion Ratio Lower Upper  
165 100  
63 0.9 37.1 55.7#  
89 1.0 54.4 81.6#  
182 0.0 2.2 3.2#

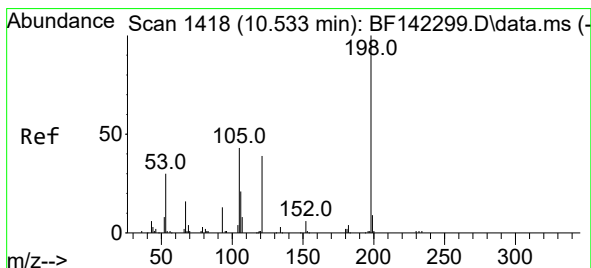
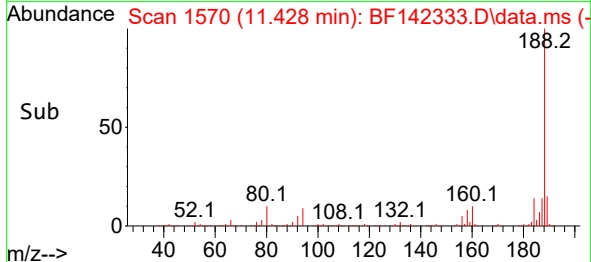
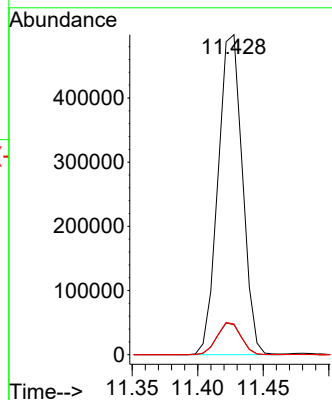
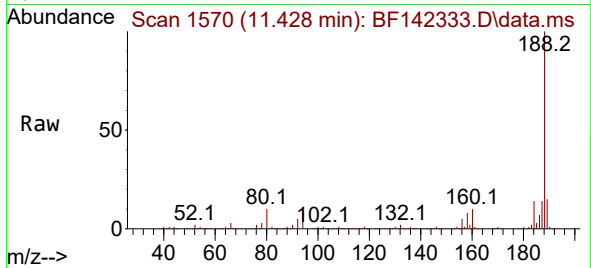




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.428 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF142333.D  
Acq: 12 May 2025 21:31

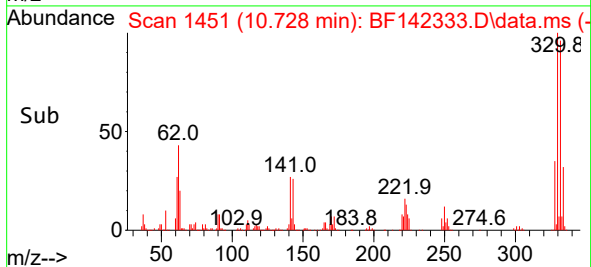
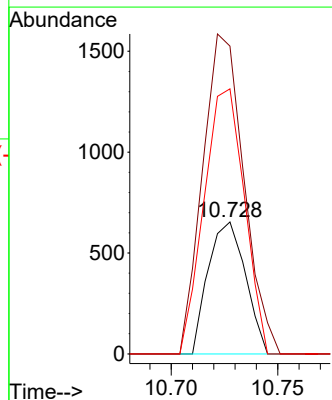
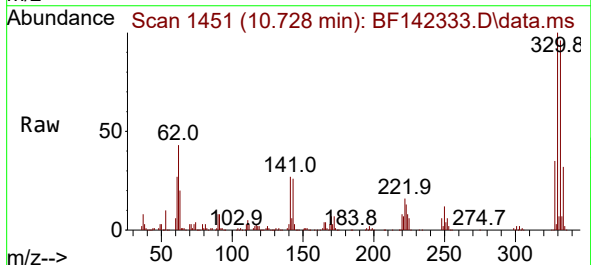
Instrument :  
BNA\_F  
ClientSampleId :  
STONE-STOCK

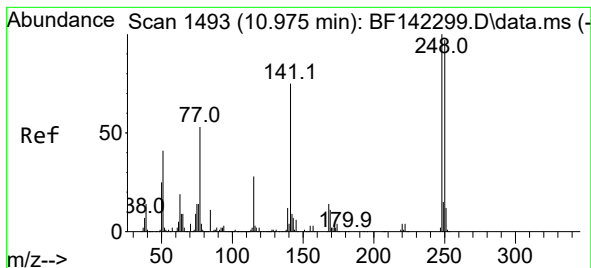
Tgt Ion:188 Resp: 644271  
Ion Ratio Lower Upper  
188 100  
94 9.4 7.5 11.3  
80 9.6 7.9 11.9



#65  
4,6-Dinitro-2-methylphenol  
Concen: 7.410 ng  
RT: 10.728 min Scan# 1451  
Delta R.T. 0.195 min  
Lab File: BF142333.D  
Acq: 12 May 2025 21:31

Tgt Ion:198 Resp: 795  
Ion Ratio Lower Upper  
198 100  
51 233.3 32.9 72.9#  
105 200.9 23.7 63.7#

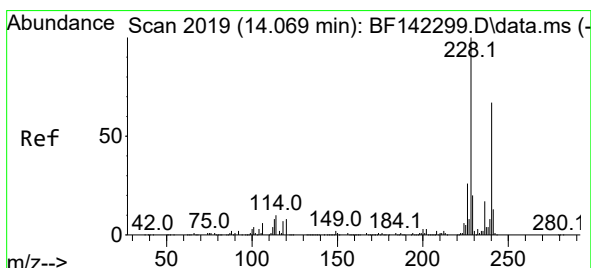
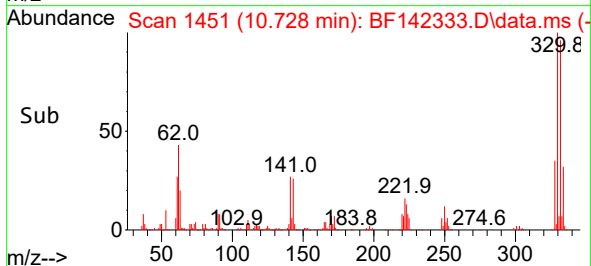
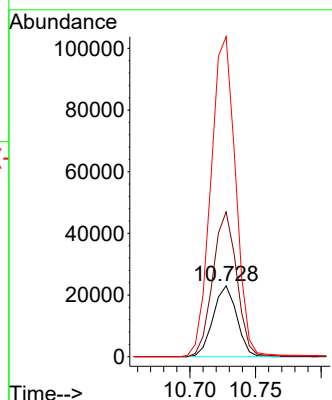
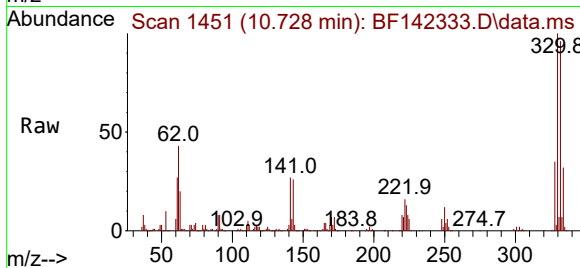




#67  
4-Bromophenyl-phenylether  
Concen: 3.947 ng  
RT: 10.728 min Scan# 141  
Delta R.T. -0.247 min  
Lab File: BF142333.D  
Acq: 12 May 2025 21:31

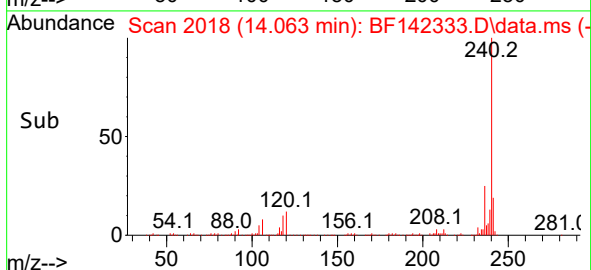
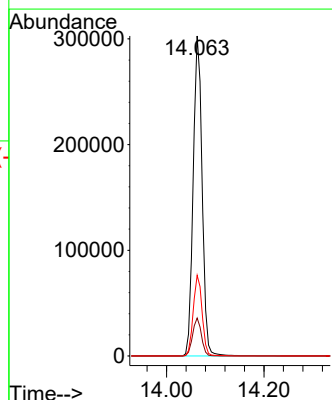
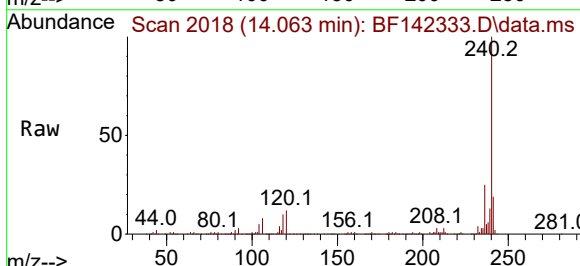
Instrument :  
BNA\_F  
ClientSampleId :  
STONE-STOCK

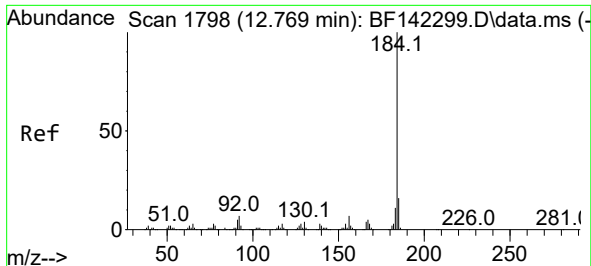
Tgt Ion:248 Resp: 28823  
Ion Ratio Lower Upper  
248 100  
250 204.2 77.9 116.9#  
141 451.3 59.8 89.8#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.063 min Scan# 2018  
Delta R.T. -0.006 min  
Lab File: BF142333.D  
Acq: 12 May 2025 21:31

Tgt Ion:240 Resp: 388366  
Ion Ratio Lower Upper  
240 100  
120 11.8 9.7 14.5  
236 25.2 20.0 30.0

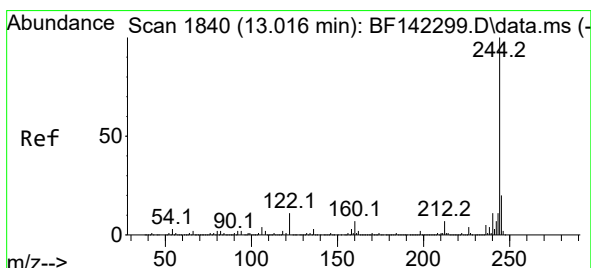
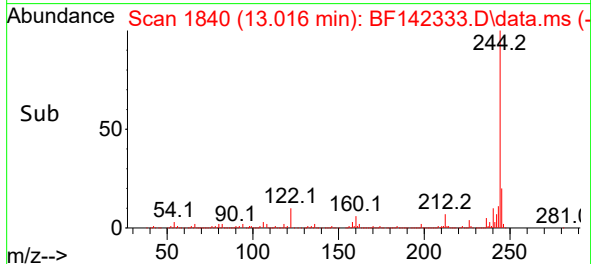
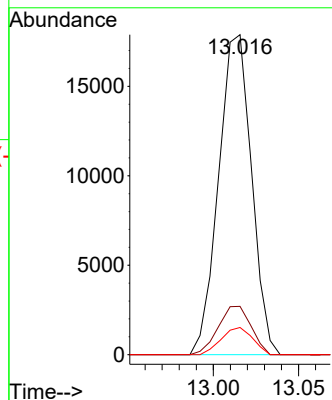
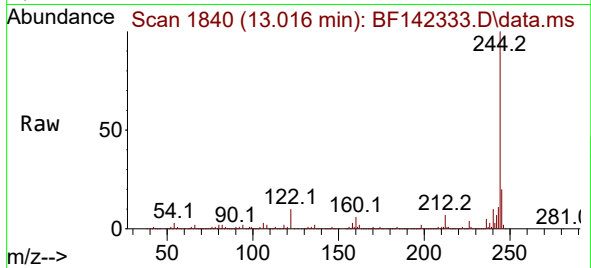




#77  
Benzidine  
Concen: 3.402 ng  
RT: 13.016 min Scan# 1840  
Delta R.T. 0.247 min  
Lab File: BF142333.D  
Acq: 12 May 2025 21:31

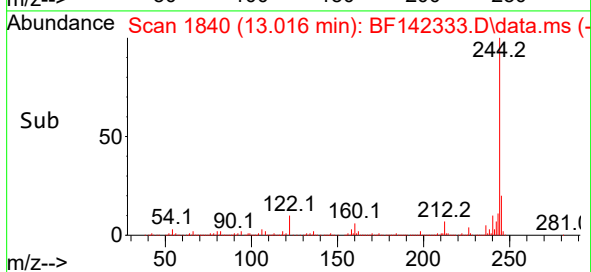
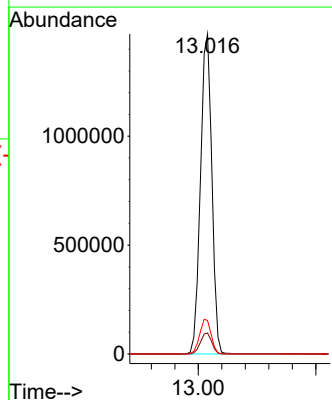
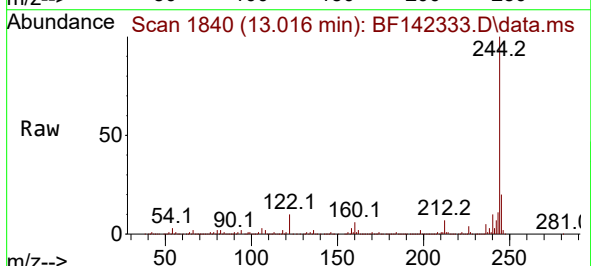
Instrument :  
BNA\_F  
ClientSampleId :  
STONE-STOCK

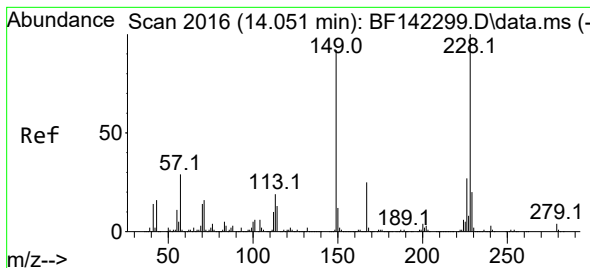
Tgt Ion:184 Resp: 24009  
Ion Ratio Lower Upper  
184 100  
185 15.1 12.6 18.8  
183 8.5 8.6 12.8#



#79  
Terphenyl-d14  
Concen: 75.114 ng  
RT: 13.016 min Scan# 1840  
Delta R.T. 0.000 min  
Lab File: BF142333.D  
Acq: 12 May 2025 21:31

Tgt Ion:244 Resp: 1970920  
Ion Ratio Lower Upper  
244 100  
212 6.6 5.4 8.2  
122 10.5 9.0 13.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.253 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF142333.D

Acq: 12 May 2025 21:31

Instrument :

BNA\_F

ClientSampleId :

STONE-STOCK

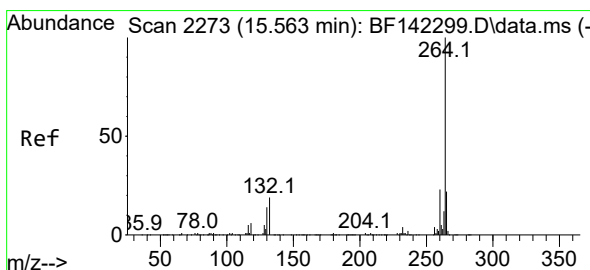
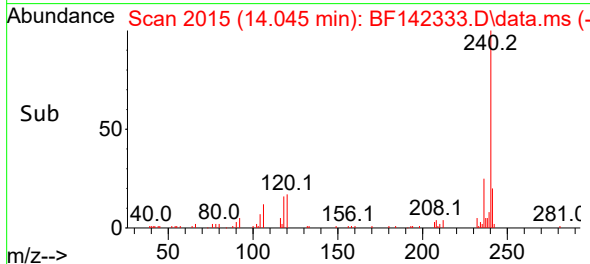
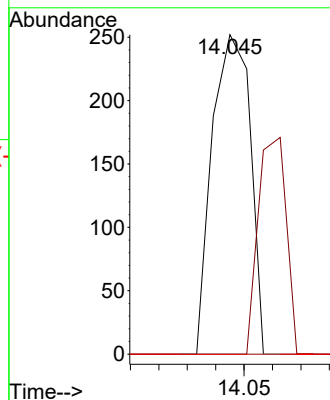
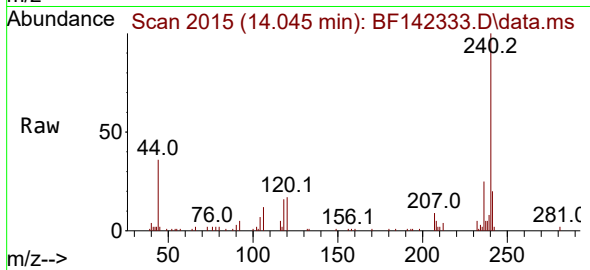
Tgt Ion:149 Resp: 235

Ion Ratio Lower Upper

149 100

167 0.0 22.0 33.0#

279 0.0 3.0 4.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF142333.D

Acq: 12 May 2025 21:31

Tgt Ion:264 Resp: 282746

Ion Ratio Lower Upper

264 100

260 24.0 18.6 27.8

265 20.9 17.5 26.3

