

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121525\  
 Data File : BF144467.D  
 Acq On : 15 Dec 2025 11:44  
 Operator : RC/JU  
 Sample : PB170598BL  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB170598BL

Quant Time: Dec 15 12:04:11 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF121225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 12 15:57:03 2025  
 Response via : Initial Calibration

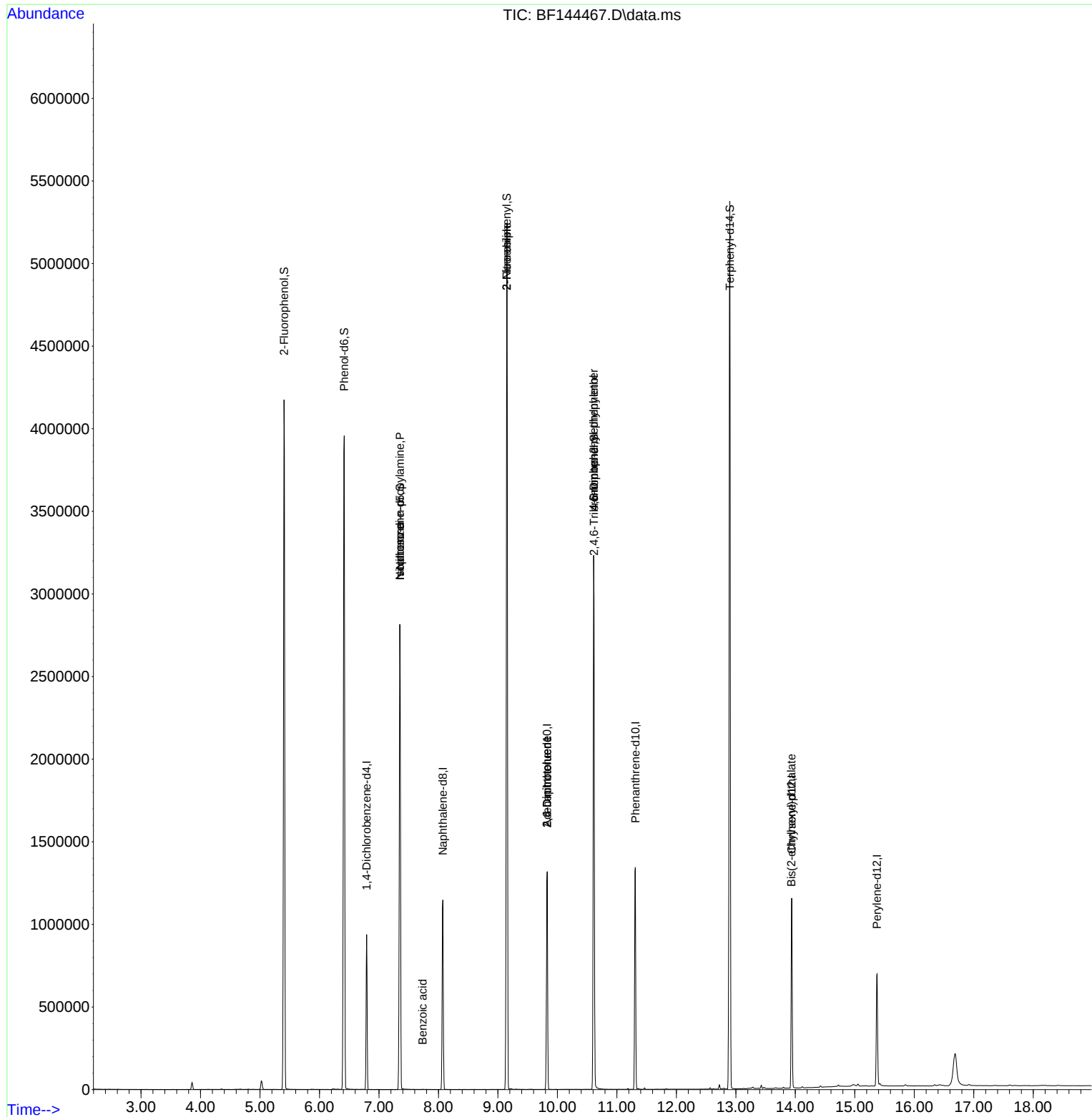
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.792  | 152  | 190540   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.075  | 136  | 749712   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.828  | 164  | 403255   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.310 | 188  | 684483   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.939 | 240  | 530653   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.374 | 264  | 387669   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.404  | 112  | 1697855  | 134.357 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.416  | 99   | 2119102  | 134.442 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 1288764  | 107.572 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 585611   | 160.626 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.151  | 172  | 2376473  | 90.407  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.898 | 244  | 2674994  | 79.586  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.351  | 70   | 174136   | 17.490  | ng    | # 77     |
| 25) Isophorone                | 7.351  | 82   | 1270725  | 46.998  | ng    | # 65     |
| 32) Benzoic acid              | 7.734  | 122  | 338      | 6.504   | ng    | # 86     |
| 48) 2-Nitroaniline            | 9.151  | 65   | 4121     | 4.185   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.828  | 165  | 52376    | 13.547  | ng    | # 24     |
| 57) 2,4-Dinitrotoluene        | 9.828  | 165  | 52376    | 10.947  | ng    | # 21     |
| 65) 4,6-Dinitro-2-methylph... | 10.610 | 198  | 1118     | 7.138   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.610 | 248  | 36324    | 4.546   | ng    | # 1      |
| 84) Bis(2-ethylhexyl)phtha... | 13.933 | 149  | 117      | 2.912   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

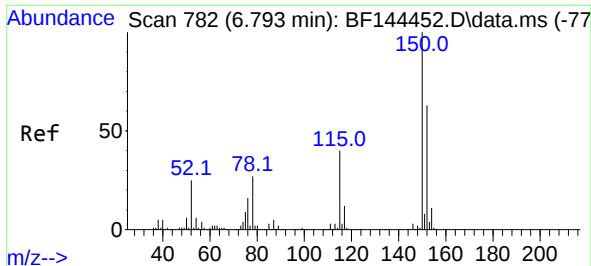
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121525\  
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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Time: Dec 15 12:04:11 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF121225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 12 15:57:03 2025  
Response via : Initial Calibration

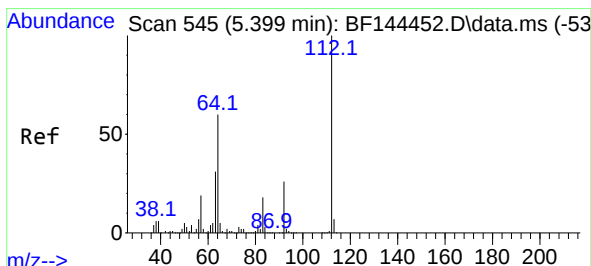
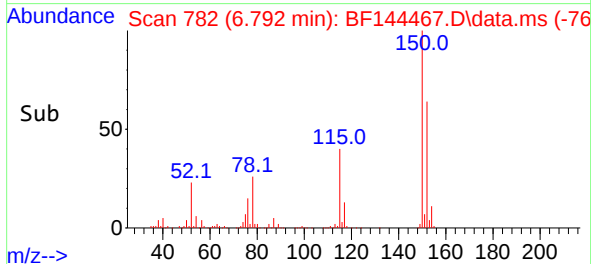
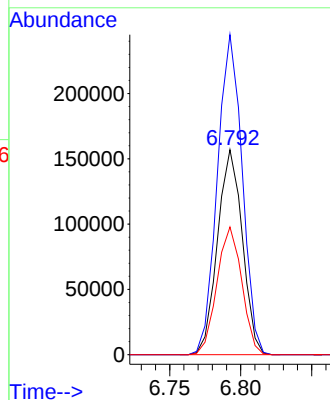
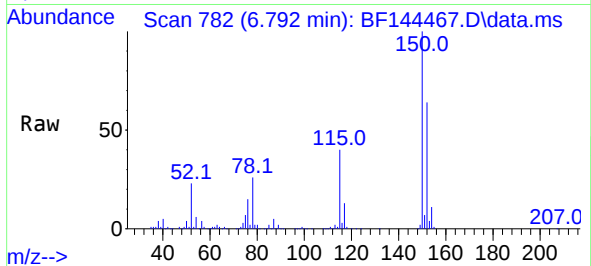




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.792 min Scan# 71  
Delta R.T. -0.001 min  
Lab File: BF144467.D  
Acq: 15 Dec 2025 11:44

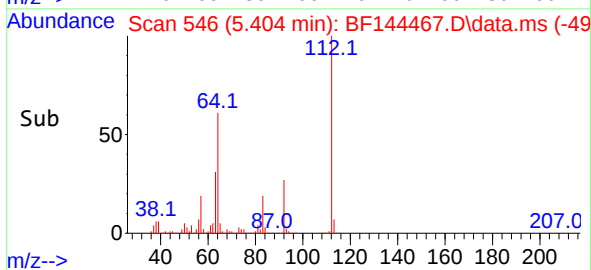
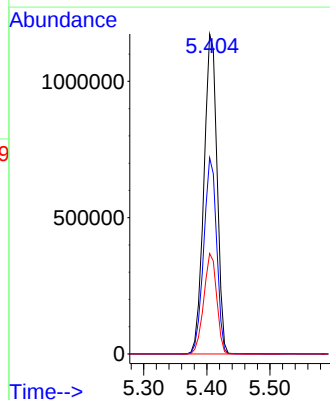
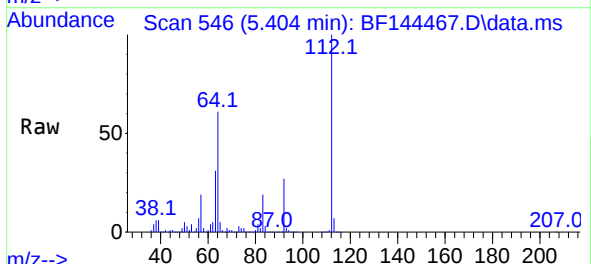
Instrument :  
BNA\_F  
ClientSampleId :  
PB170598BL

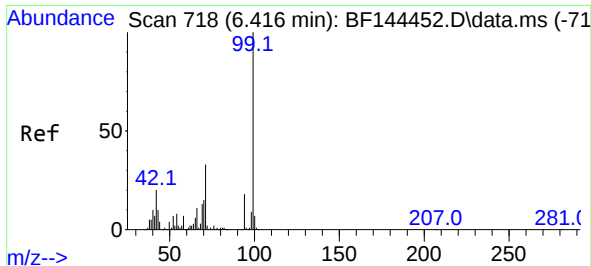
Tgt Ion:152 Resp: 190540  
Ion Ratio Lower Upper  
152 100  
150 156.2 127.4 191.2  
115 62.3 51.4 77.0



#5  
2-Fluorophenol  
Concen: 134.357 ng  
RT: 5.404 min Scan# 546  
Delta R.T. 0.006 min  
Lab File: BF144467.D  
Acq: 15 Dec 2025 11:44

Tgt Ion:112 Resp: 1697855  
Ion Ratio Lower Upper  
112 100  
64 61.3 47.8 71.6  
63 31.4 24.6 37.0

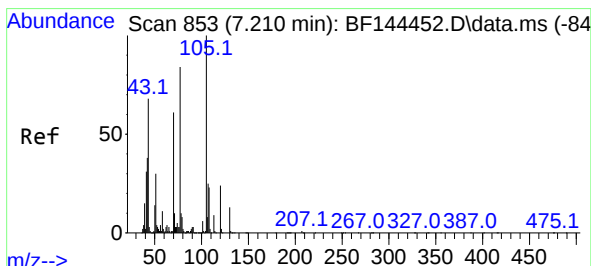
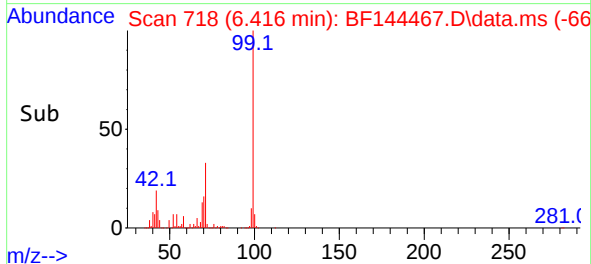
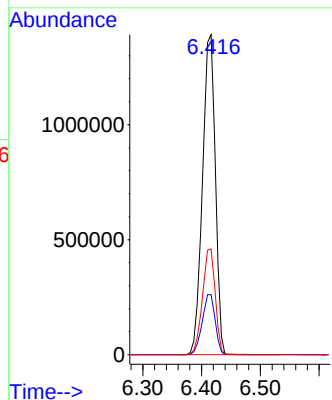
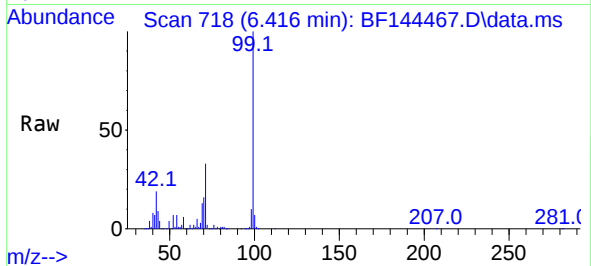




#7  
Phenol-d6  
Concen: 134.442 ng  
RT: 6.416 min Scan# 718  
Delta R.T. -0.000 min  
Lab File: BF144467.D  
Acq: 15 Dec 2025 11:44

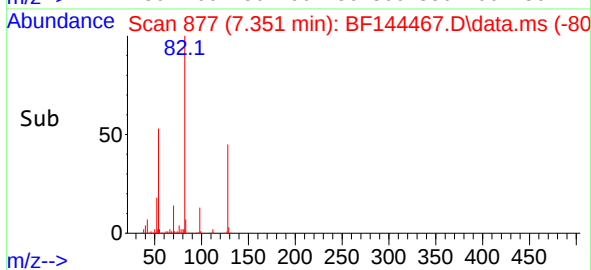
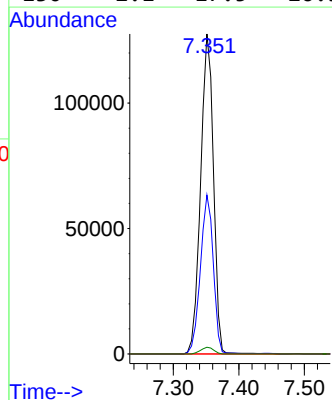
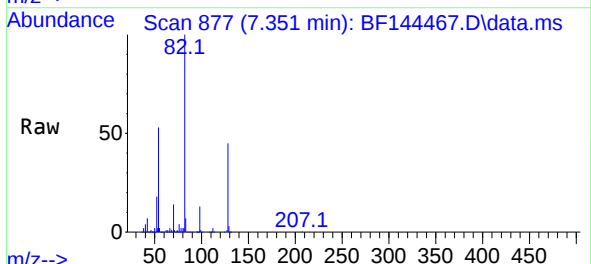
Instrument :  
BNA\_F  
ClientSampleId :  
PB170598BL

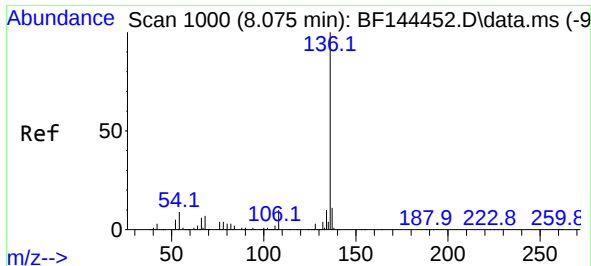
Tgt Ion: 99 Resp: 2119102  
Ion Ratio Lower Upper  
99 100  
42 18.7 15.7 23.5  
71 33.1 26.4 39.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 17.490 ng  
RT: 7.351 min Scan# 877  
Delta R.T. 0.141 min  
Lab File: BF144467.D  
Acq: 15 Dec 2025 11:44

Tgt Ion: 70 Resp: 174136  
Ion Ratio Lower Upper  
70 100  
42 49.6 49.4 74.0  
101 0.0 7.8 11.6#  
130 2.1 17.5 26.3#



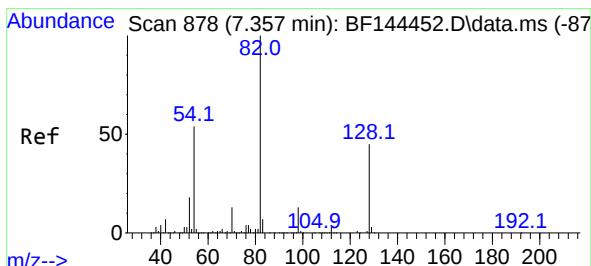
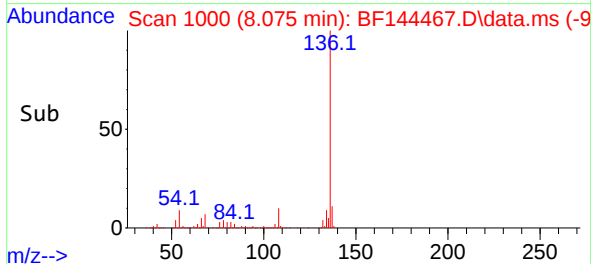
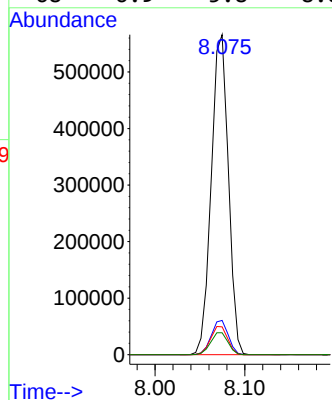
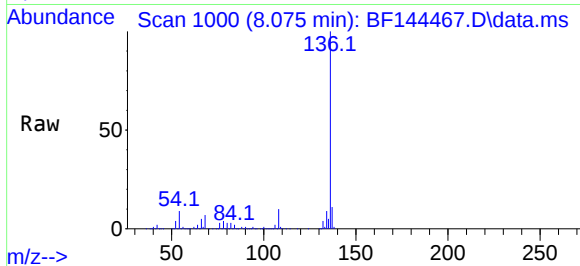


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.075 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: BF144467.D  
Acq: 15 Dec 2025 11:44

Instrument :  
BNA\_F  
ClientSampleId :  
PB170598BL

Tgt Ion:136 Resp: 749712

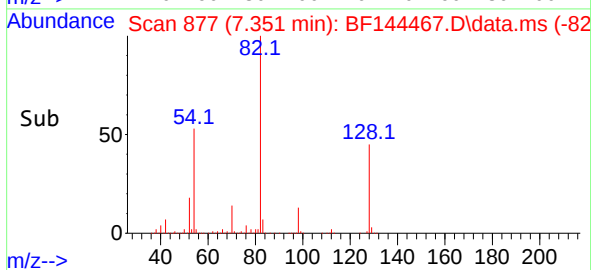
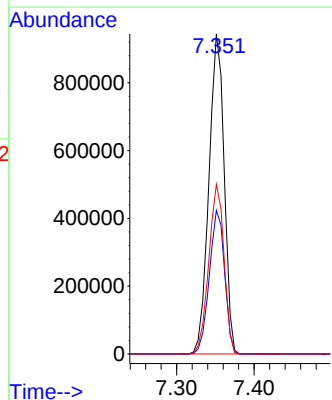
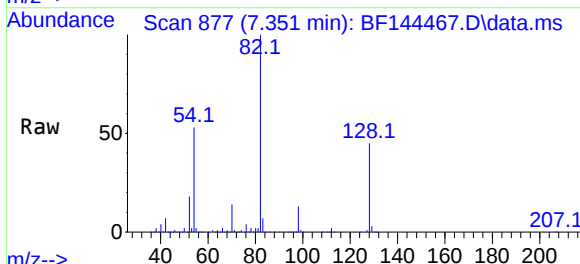
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.7  | 8.8   | 13.2  |
| 54  | 8.7   | 7.5   | 11.3  |
| 68  | 6.9   | 5.8   | 8.8   |

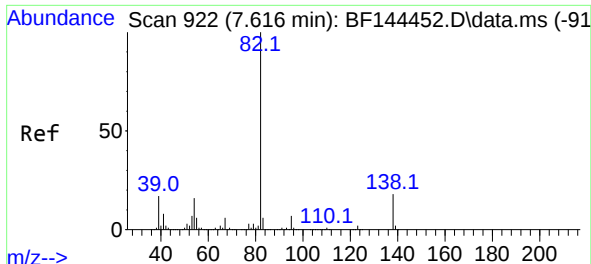


#23  
Nitrobenzene-d5  
Concen: 107.572 ng  
RT: 7.351 min Scan# 877  
Delta R.T. -0.006 min  
Lab File: BF144467.D  
Acq: 15 Dec 2025 11:44

Tgt Ion: 82 Resp: 1288764

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.9  | 35.5  | 53.3  |
| 54  | 53.0  | 43.3  | 64.9  |

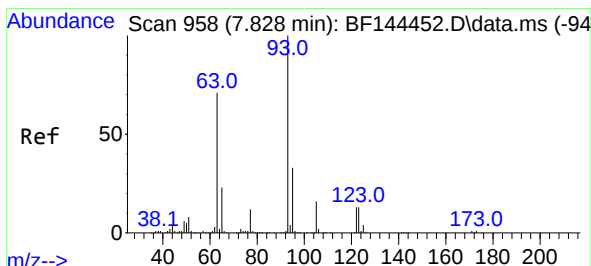
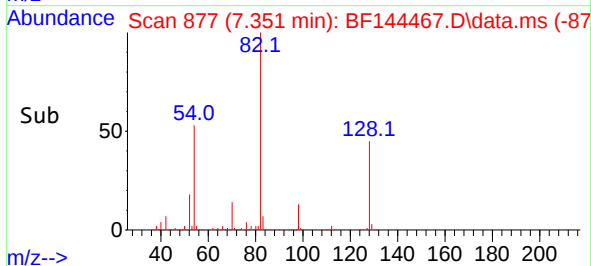
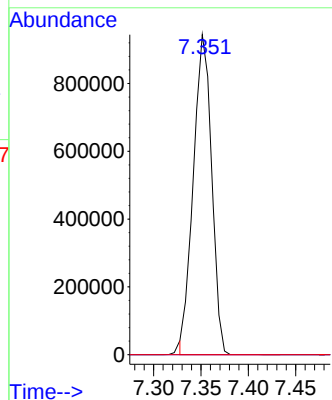
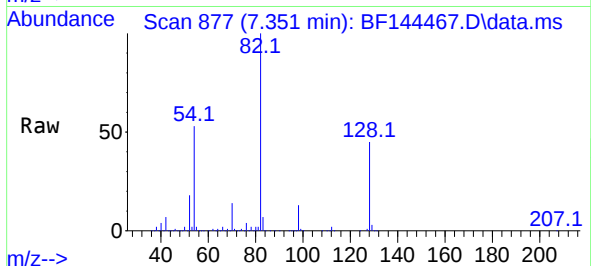




#25  
Isophorone  
Concen: 46.998 ng  
RT: 7.351 min Scan# 81  
Delta R.T. -0.265 min  
Lab File: BF144467.D  
Acq: 15 Dec 2025 11:44

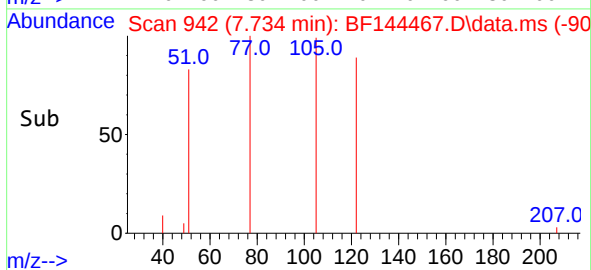
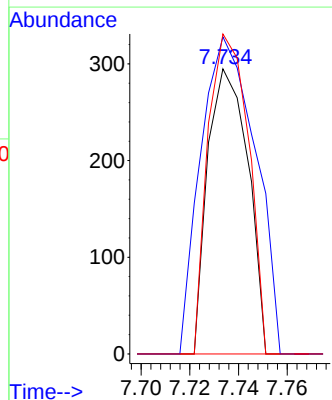
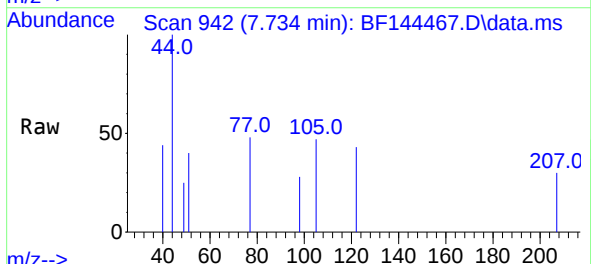
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ClientSampleId :  
PB170598BL

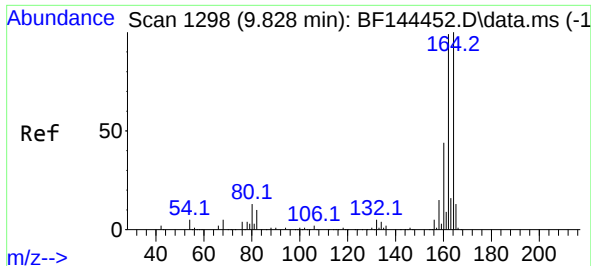
Tgt Ion: 82 Resp: 1270725  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.4 8.2#  
138 0.0 14.4 21.6#



#32  
Benzoic acid  
Concen: 6.504 ng  
RT: 7.734 min Scan# 942  
Delta R.T. -0.094 min  
Lab File: BF144467.D  
Acq: 15 Dec 2025 11:44

Tgt Ion:122 Resp: 338  
Ion Ratio Lower Upper  
122 100  
105 111.2 103.2 143.2  
77 112.2 75.1 115.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF144467.D

Acq: 15 Dec 2025 11:44

Instrument :

BNA\_F

ClientSampleId :

PB170598BL

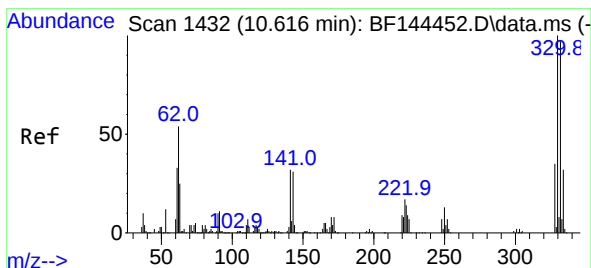
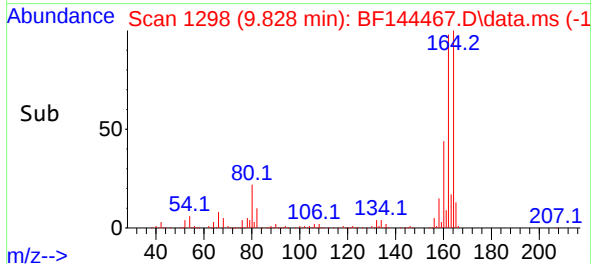
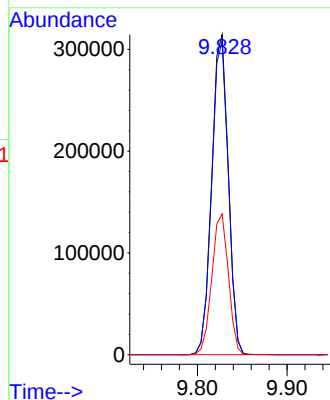
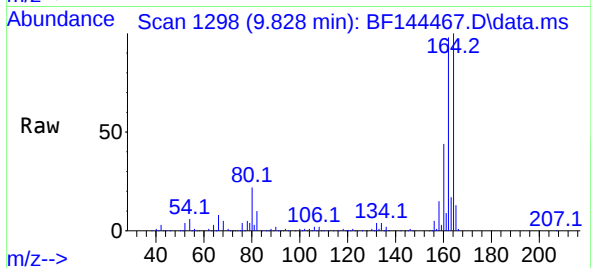
Tgt Ion:164 Resp: 403255

Ion Ratio Lower Upper

164 100

162 97.9 79.2 118.8

160 44.0 35.3 52.9



#42

2,4,6-Tribromophenol

Concen: 160.626 ng

RT: 10.616 min Scan# 1432

Delta R.T. -0.000 min

Lab File: BF144467.D

Acq: 15 Dec 2025 11:44

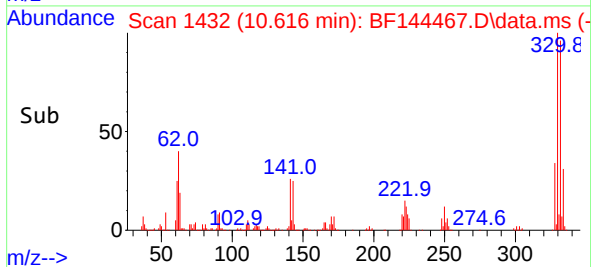
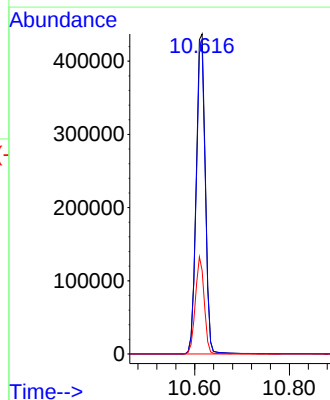
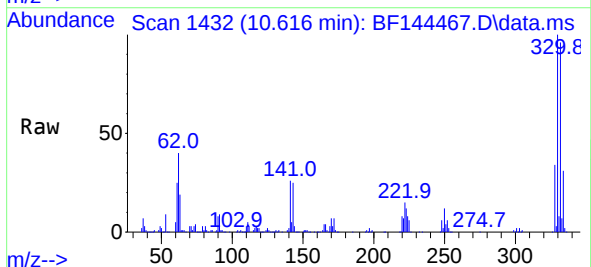
Tgt Ion:330 Resp: 585611

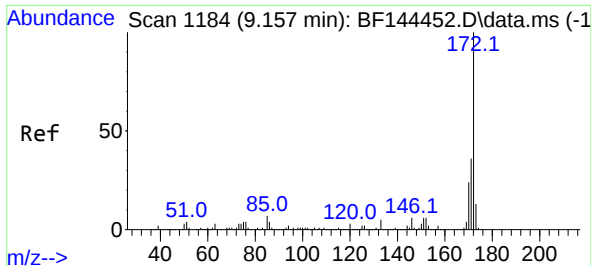
Ion Ratio Lower Upper

330 100

332 96.2 77.5 116.3

141 29.4 26.2 39.2





#45

2-Fluorobiphenyl

Concen: 90.407 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF144467.D

Acq: 15 Dec 2025 11:44

Instrument :

BNA\_F

ClientSampleId :

PB170598BL

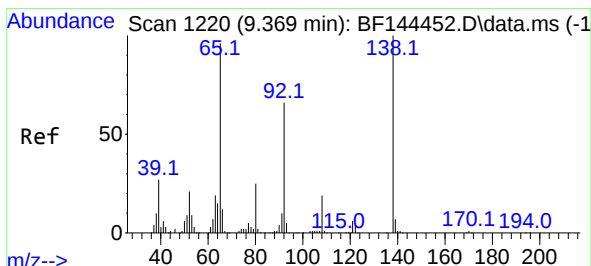
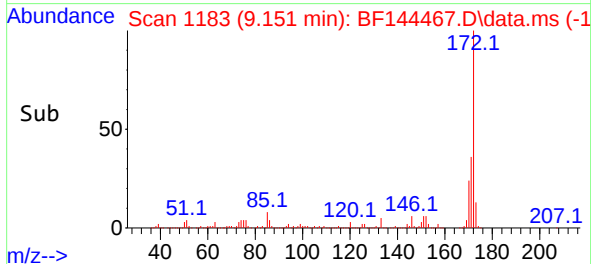
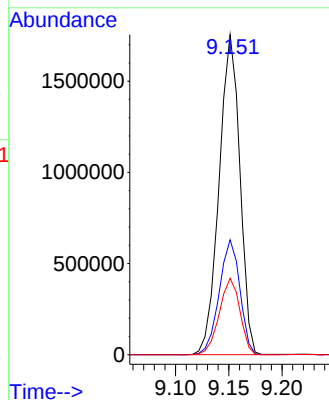
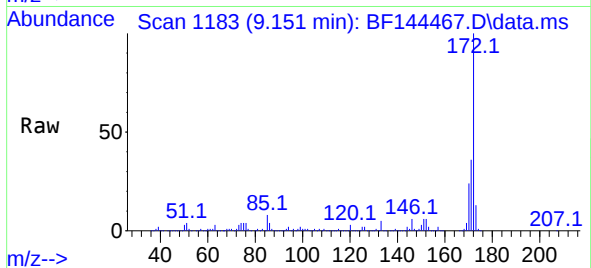
Tgt Ion:172 Resp: 2376473

Ion Ratio Lower Upper

172 100

171 35.9 28.7 43.1

170 23.9 19.3 28.9



#48

2-Nitroaniline

Concen: 4.185 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.218 min

Lab File: BF144467.D

Acq: 15 Dec 2025 11:44

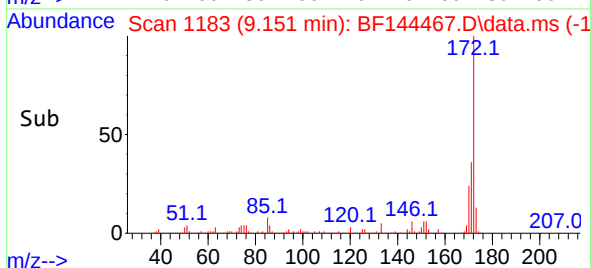
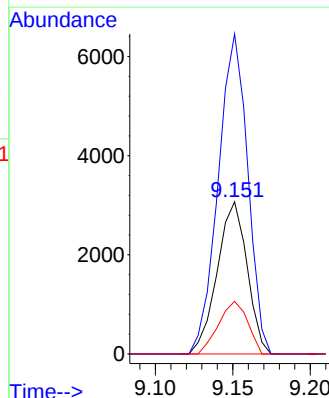
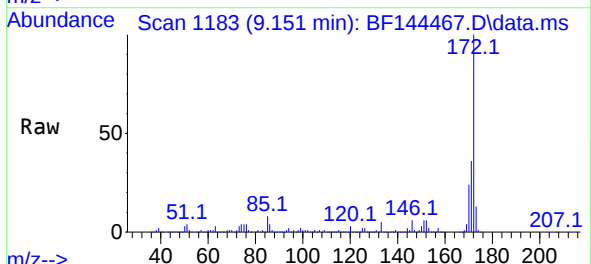
Tgt Ion: 65 Resp: 4121

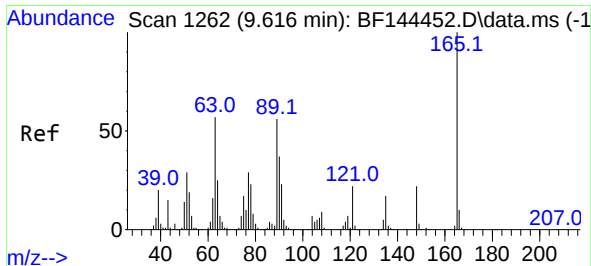
Ion Ratio Lower Upper

65 100

92 210.2 55.0 82.4#

138 34.5 83.4 125.2#





#51

2,6-Dinitrotoluene

Concen: 13.547 ng

RT: 9.828 min Scan# 1298

Delta R.T. 0.212 min

Lab File: BF144467.D

Acq: 15 Dec 2025 11:44

Instrument :

BNA\_F

ClientSampleId :

PB170598BL

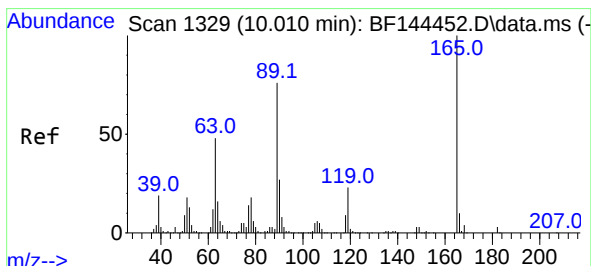
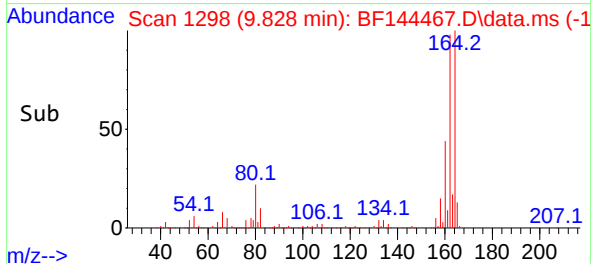
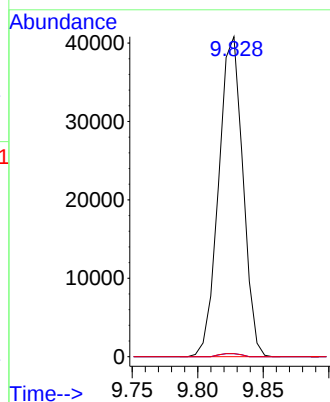
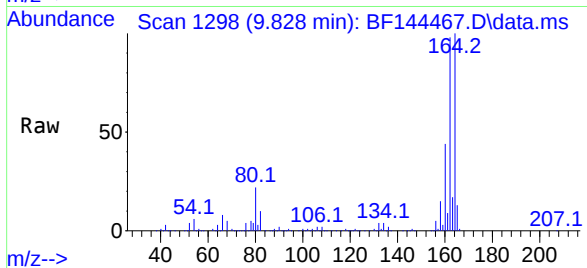
Tgt Ion:165 Resp: 52376

Ion Ratio Lower Upper

165 100

63 1.0 45.9 68.9#

89 0.9 44.6 67.0#



#57

2,4-Dinitrotoluene

Concen: 10.947 ng

RT: 9.828 min Scan# 1298

Delta R.T. -0.182 min

Lab File: BF144467.D

Acq: 15 Dec 2025 11:44

Tgt Ion:165 Resp: 52376

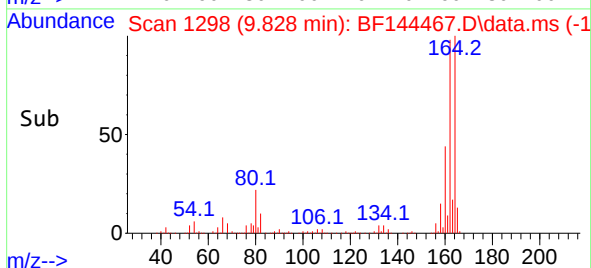
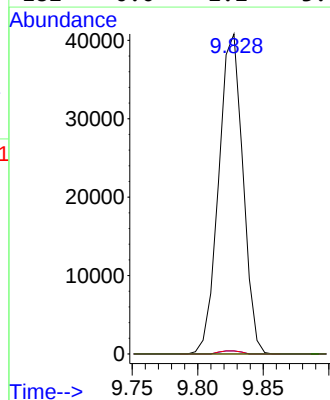
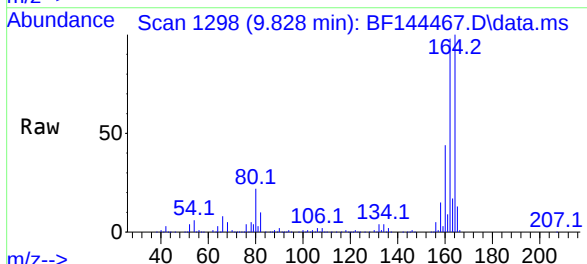
Ion Ratio Lower Upper

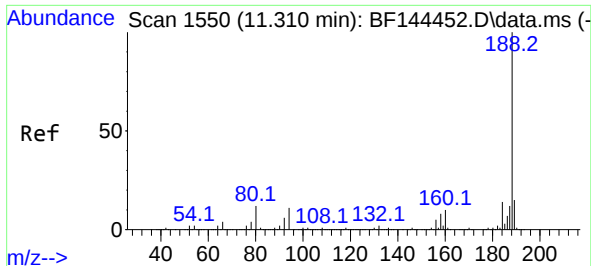
165 100

63 1.0 38.2 57.4#

89 0.9 61.2 91.8#

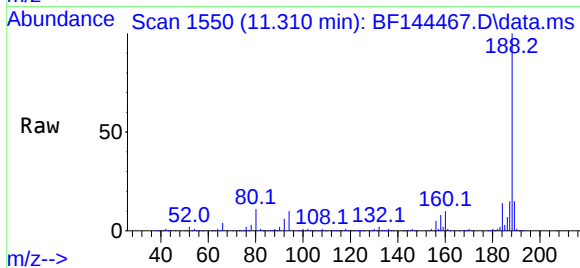
182 0.0 2.2 3.4#



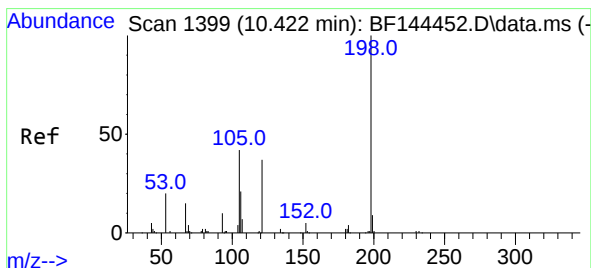
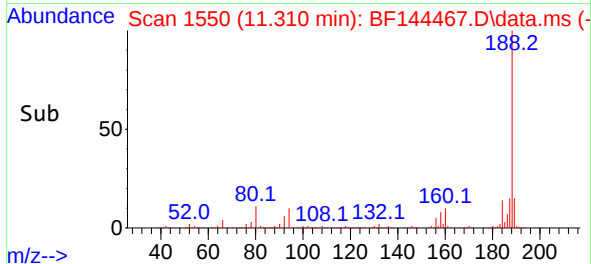
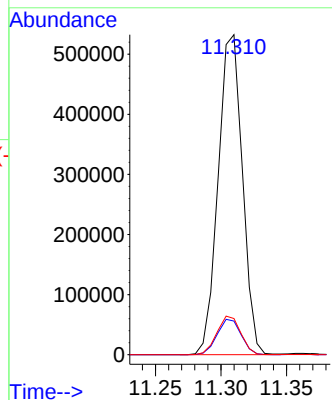


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF144467.D  
Acq: 15 Dec 2025 11:44

Instrument :  
BNA\_F  
ClientSampleId :  
PB170598BL

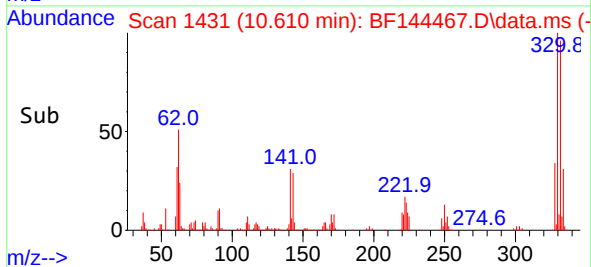
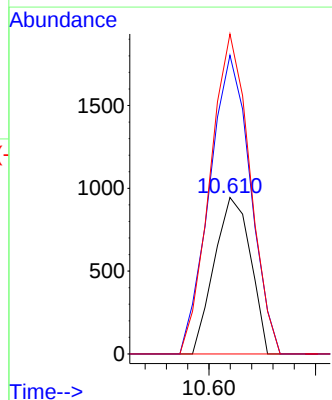
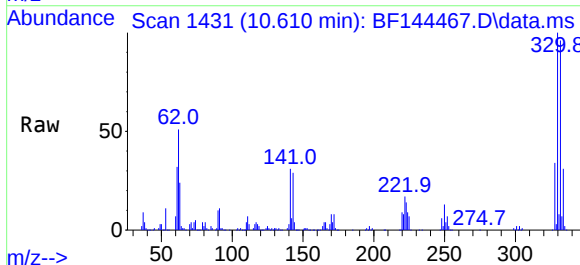


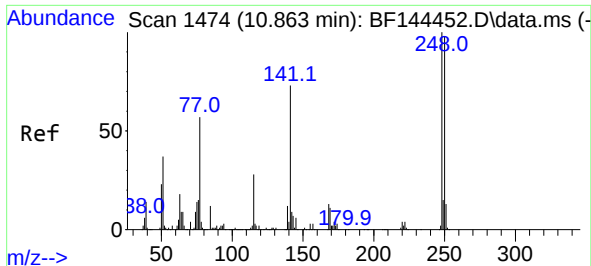
Tgt Ion:188 Resp: 684483  
Ion Ratio Lower Upper  
188 100  
94 10.5 9.0 13.6  
80 11.3 9.8 14.8



#65  
4,6-Dinitro-2-methylphenol  
Concen: 7.138 ng  
RT: 10.610 min Scan# 1431  
Delta R.T. 0.188 min  
Lab File: BF144467.D  
Acq: 15 Dec 2025 11:44

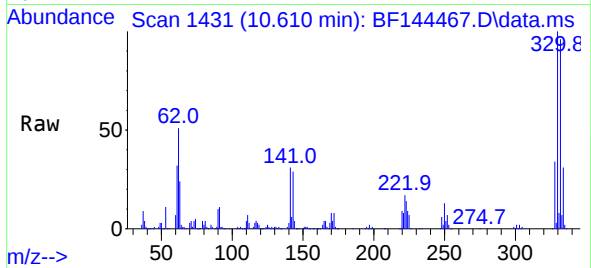
Tgt Ion:198 Resp: 1118  
Ion Ratio Lower Upper  
198 100  
51 190.9 25.5 65.5#  
105 204.4 23.4 63.4#



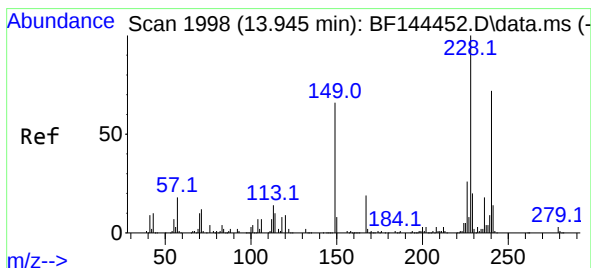
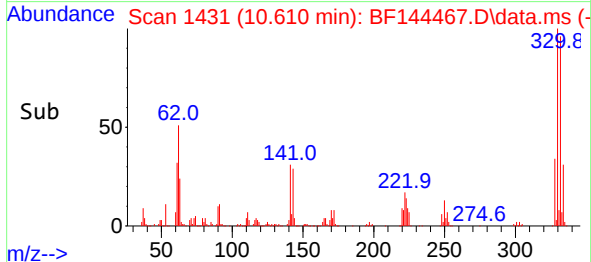
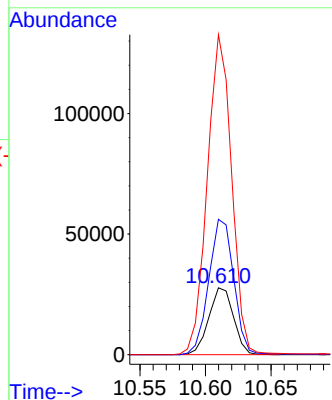


#67  
4-Bromophenyl-phenylether  
Concen: 4.546 ng  
RT: 10.610 min Scan# 1414  
Delta R.T. -0.253 min  
Lab File: BF144467.D  
Acq: 15 Dec 2025 11:44

Instrument :  
BNA\_F  
ClientSampleId :  
PB170598BL

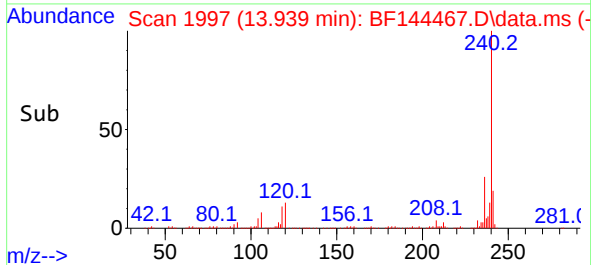
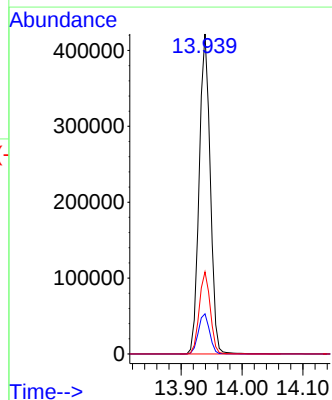
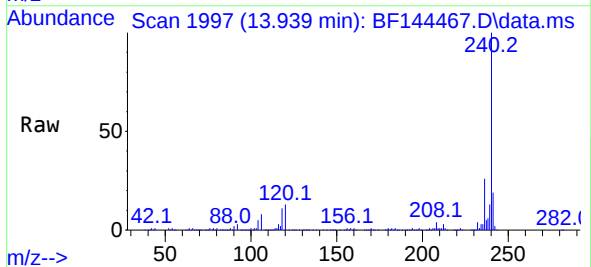


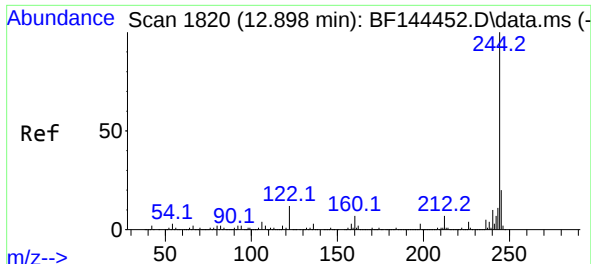
Tgt Ion:248 Resp: 36324  
Ion Ratio Lower Upper  
248 100  
250 202.7 78.2 117.4#  
141 478.9 58.5 87.7#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.939 min Scan# 1997  
Delta R.T. -0.006 min  
Lab File: BF144467.D  
Acq: 15 Dec 2025 11:44

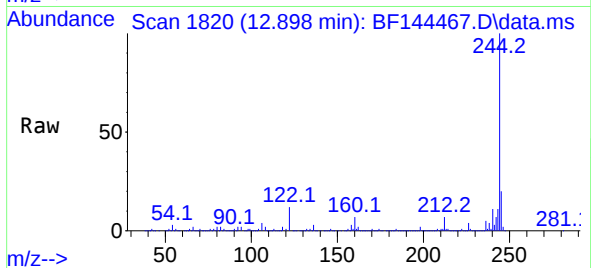
Tgt Ion:240 Resp: 530653  
Ion Ratio Lower Upper  
240 100  
120 12.5 10.3 15.5  
236 25.7 20.2 30.4





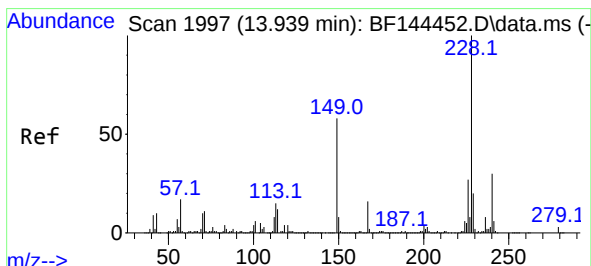
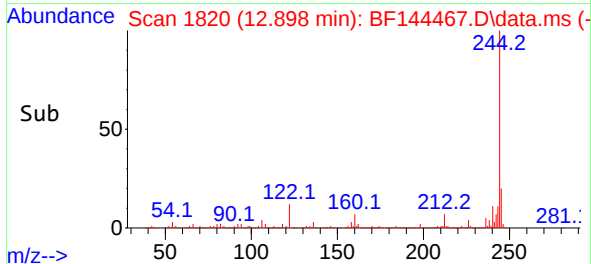
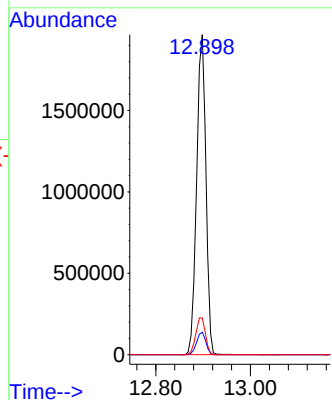
#79  
 Terphenyl-d14  
 Concen: 79.586 ng  
 RT: 12.898 min Scan# 1820  
 Delta R.T. -0.000 min  
 Lab File: BF144467.D  
 Acq: 15 Dec 2025 11:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB170598BL



Tgt Ion:244 Resp: 2674994  

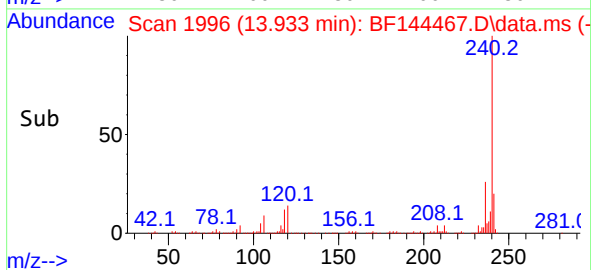
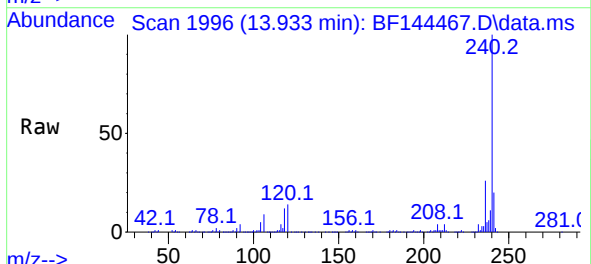
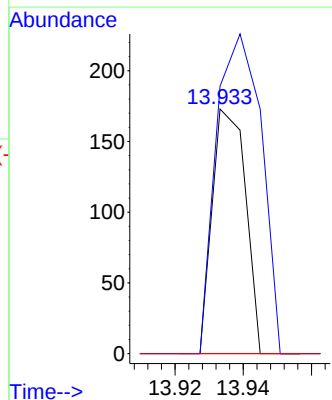
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.0   | 5.7   | 8.5   |
| 122 | 11.5  | 9.9   | 14.9  |

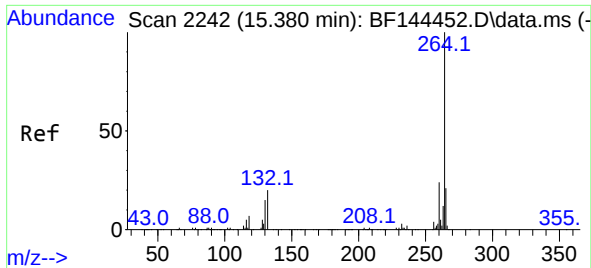


#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.912 ng  
 RT: 13.933 min Scan# 1996  
 Delta R.T. -0.006 min  
 Lab File: BF144467.D  
 Acq: 15 Dec 2025 11:44

Tgt Ion:149 Resp: 117  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 109.2 | 22.6  | 34.0# |
| 279 | 0.0   | 3.7   | 5.5#  |





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.374 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BF144467.D  
 Acq: 15 Dec 2025 11:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB170598BL

Tgt Ion:264 Resp: 387669  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 19.0 28.6  
 265 21.5 17.1 25.7

