

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF043025\  
 Data File : BF142248.D  
 Acq On : 30 Apr 2025 17:15  
 Operator : RC/JU  
 Sample : PB167726BL  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 30 17:45:18 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF043025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 30 16:00:01 2025  
 Response via : Initial Calibration

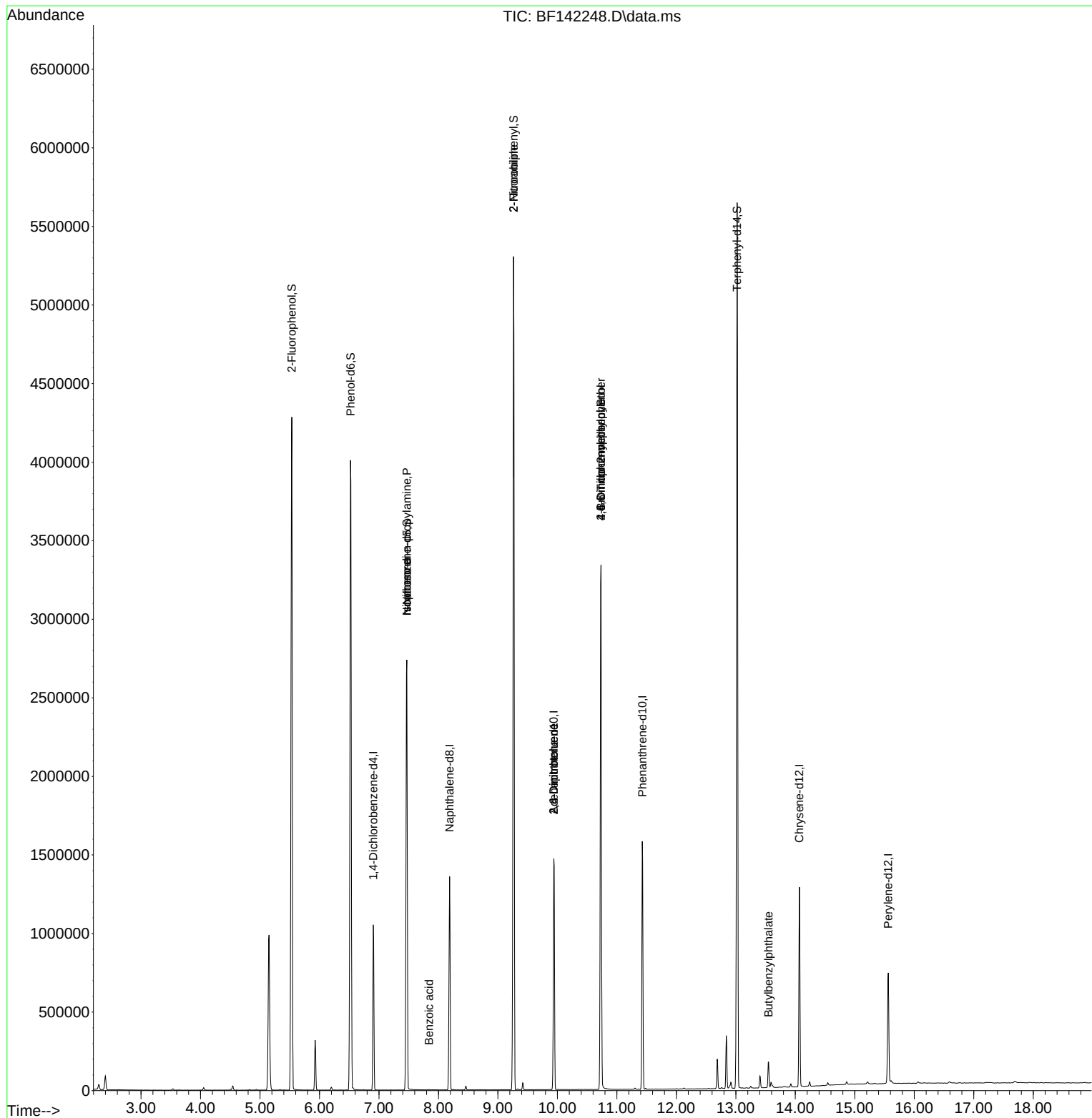
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.904  | 152  | 223871   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.187  | 136  | 856968   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.939  | 164  | 451518   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.428 | 188  | 800448   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.069 | 240  | 591104   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.563 | 264  | 405474   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.534  | 112  | 1784967  | 127.337 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.522  | 99   | 2160181  | 127.615 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.469  | 82   | 1277605  | 97.944  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.733 | 330  | 641513   | 155.850 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.263  | 172  | 2527115  | 78.915  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.022 | 244  | 2858057  | 70.322  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.469  | 70   | 174174   | 16.651  | ng    | # 79     |
| 25) Isophorone                | 7.469  | 82   | 1276055  | 46.612  | ng    | # 64     |
| 32) Benzoic acid              | 7.840  | 122  | 236      | 10.836  | ng    | # 82     |
| 48) 2-Nitroaniline            | 9.263  | 65   | 4164     | 5.313   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.939  | 165  | 57926    | 13.603  | ng    | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.939  | 165  | 57926    | 12.759  | ng    | # 23     |
| 65) 4,6-Dinitro-2-methylph... | 10.733 | 198  | 1342     | 11.008  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.733 | 248  | 38905    | 4.364   | ng    | # 1      |
| 80) Butylbenzylphthalate      | 13.551 | 149  | 121      | 3.724   | ng    | # 74     |
| -----                         |        |      |          |         |       |          |

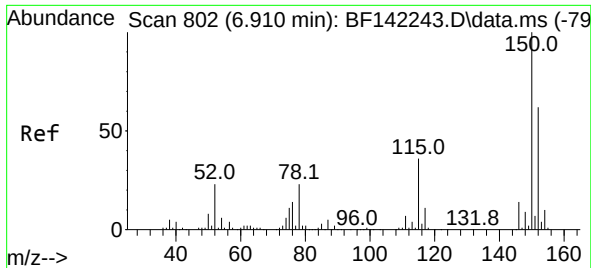
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_F  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF043025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Apr 30 16:00:01 2025  
Response via : Initial Calibration

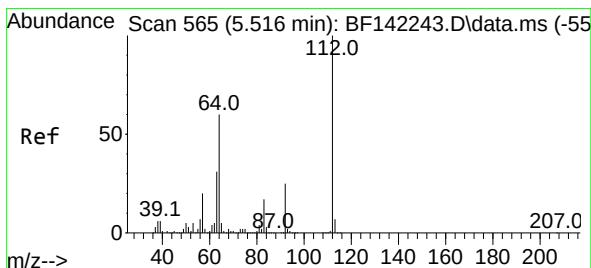
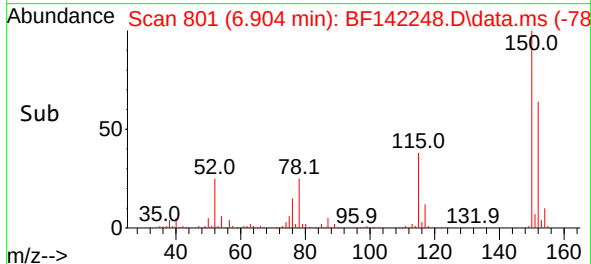
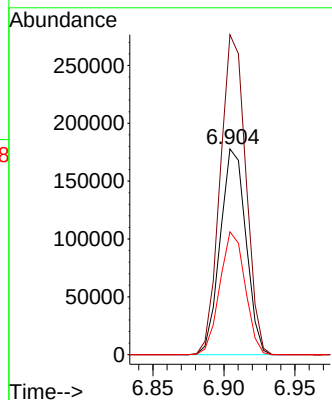
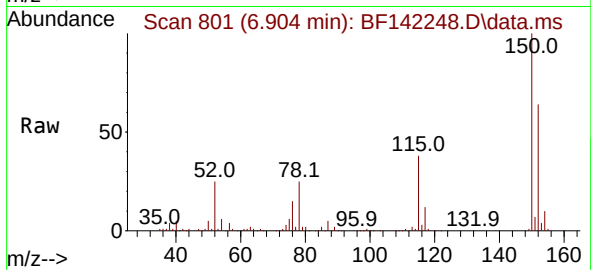




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.904 min Scan# 801  
 Delta R.T. -0.006 min  
 Lab File: BF142248.D  
 Acq: 30 Apr 2025 17:15

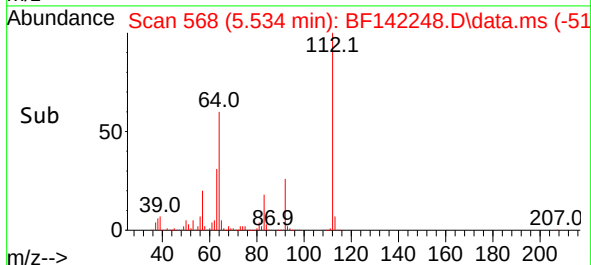
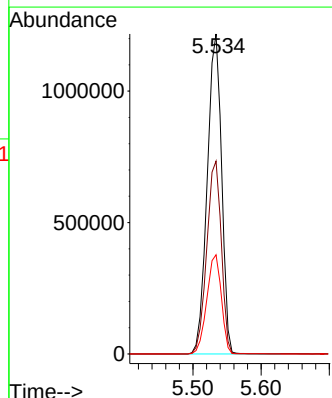
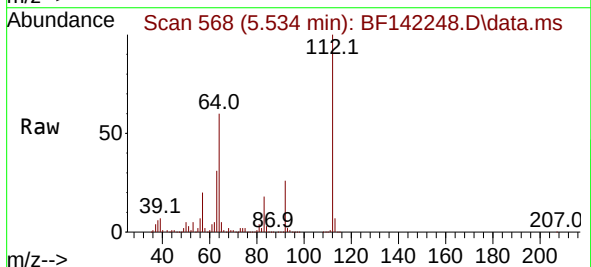
Instrument :  
 BNA\_F  
 ClientSampleId :

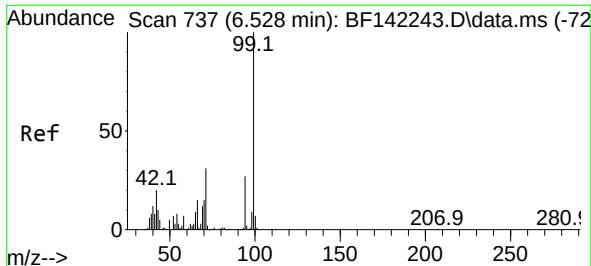
Tgt Ion:152 Resp: 223871  
 Ion Ratio Lower Upper  
 152 100  
 150 155.5 130.2 195.2  
 115 59.7 47.0 70.4



#5  
 2-Fluorophenol  
 Concen: 127.337 ng  
 RT: 5.534 min Scan# 568  
 Delta R.T. 0.018 min  
 Lab File: BF142248.D  
 Acq: 30 Apr 2025 17:15

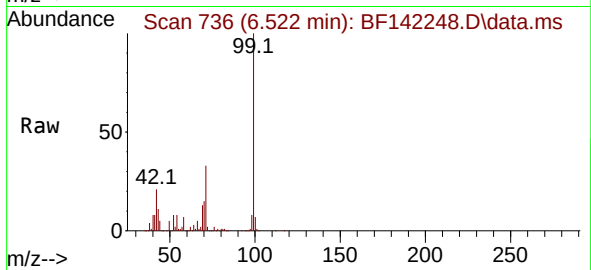
Tgt Ion:112 Resp: 1784967  
 Ion Ratio Lower Upper  
 112 100  
 64 60.2 48.4 72.6  
 63 31.0 24.8 37.2



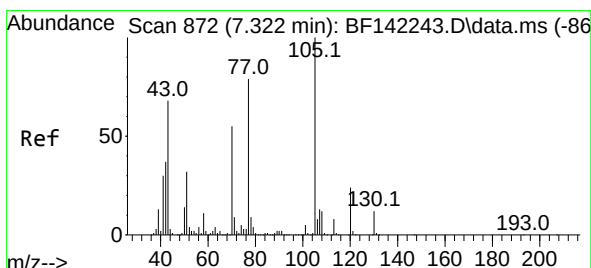
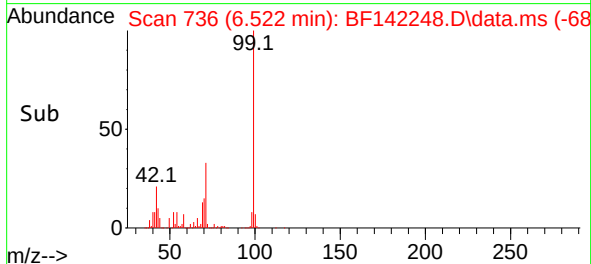
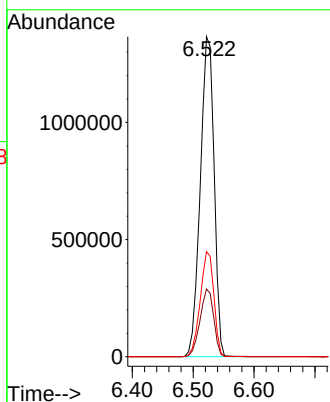


#7  
Phenol-d6  
Concen: 127.615 ng  
RT: 6.522 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF142248.D  
Acq: 30 Apr 2025 17:15

Instrument :  
BNA\_F  
ClientSampleId :

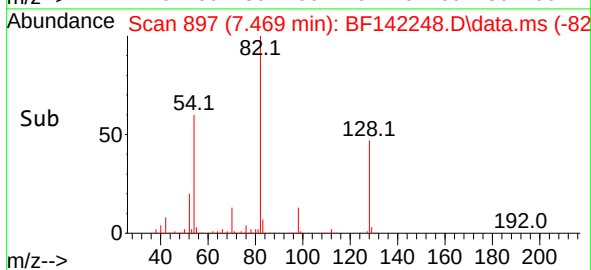
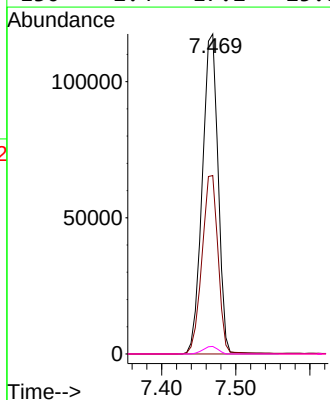
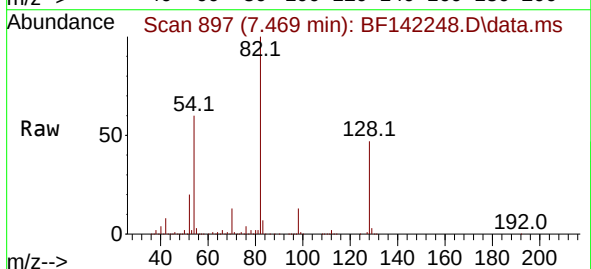


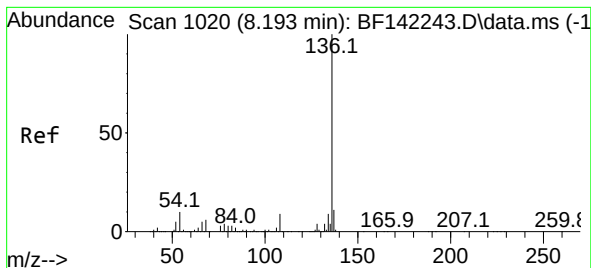
Tgt Ion: 99 Resp: 2160181  
Ion Ratio Lower Upper  
99 100  
42 21.1 16.3 24.5  
71 32.9 25.0 37.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.651 ng  
RT: 7.469 min Scan# 897  
Delta R.T. 0.147 min  
Lab File: BF142248.D  
Acq: 30 Apr 2025 17:15

Tgt Ion: 70 Resp: 174174  
Ion Ratio Lower Upper  
70 100  
42 55.8 53.4 80.2  
101 0.0 7.7 11.5#  
130 2.4 17.2 25.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.187 min Scan# 1019

Delta R.T. -0.006 min

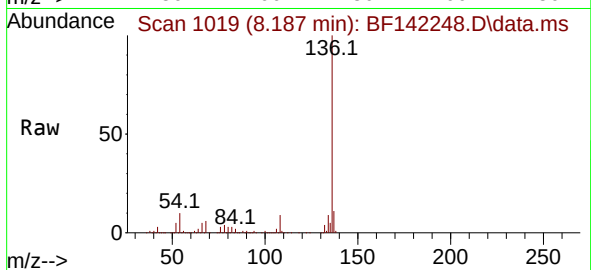
Lab File: BF142248.D

Acq: 30 Apr 2025 17:15

Instrument :

BNA\_F

ClientSampleId :



Tgt Ion:136 Resp: 856968

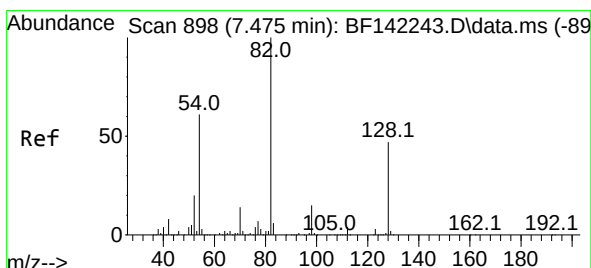
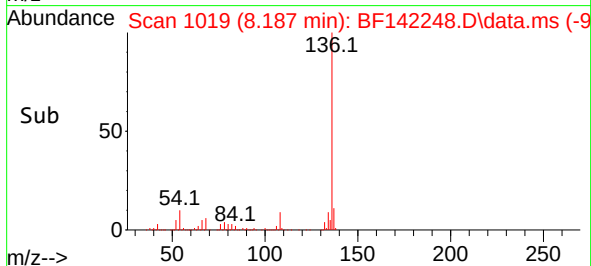
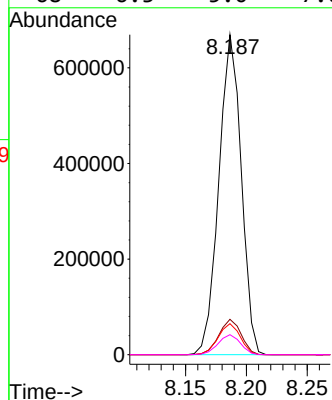
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 9.7 7.7 11.5

68 6.3 5.0 7.6



#23

Nitrobenzene-d5

Concen: 97.944 ng

RT: 7.469 min Scan# 897

Delta R.T. -0.006 min

Lab File: BF142248.D

Acq: 30 Apr 2025 17:15

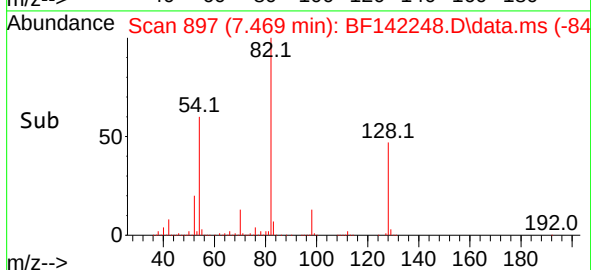
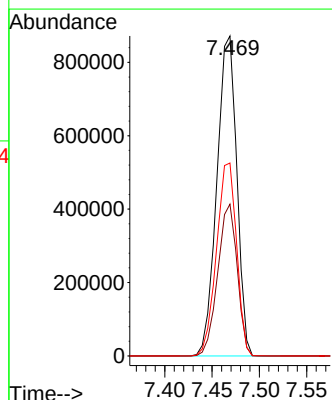
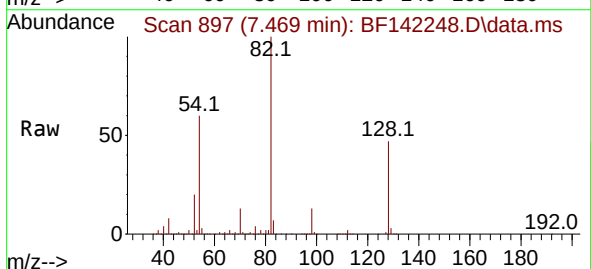
Tgt Ion: 82 Resp: 1277605

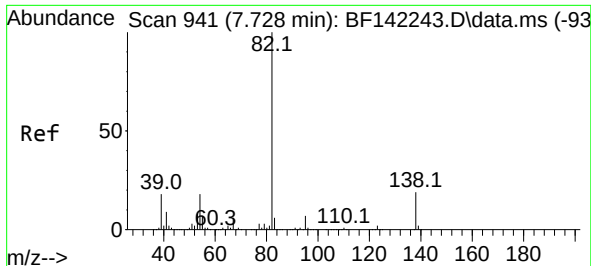
Ion Ratio Lower Upper

82 100

128 47.5 37.0 55.6

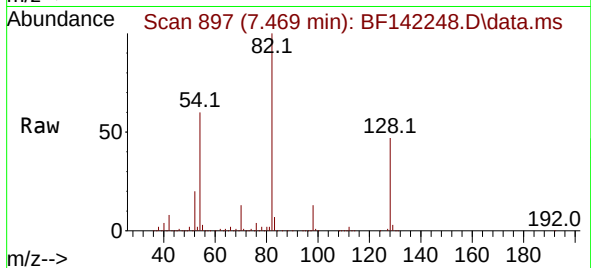
54 60.3 48.0 72.0



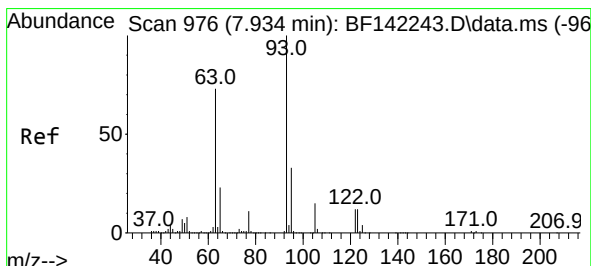
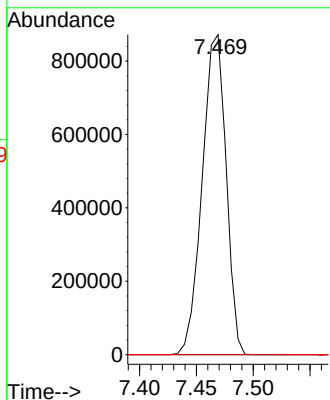
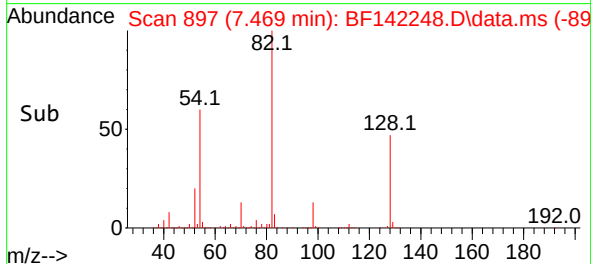


#25  
Isophorone  
Concen: 46.612 ng  
RT: 7.469 min Scan# 897  
Delta R.T. -0.259 min  
Lab File: BF142248.D  
Acq: 30 Apr 2025 17:15

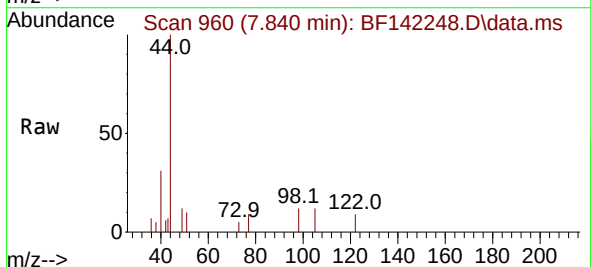
Instrument :  
BNA\_F  
ClientSampleId :



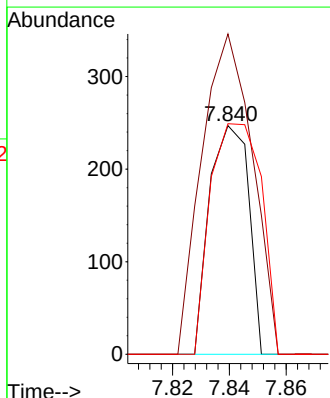
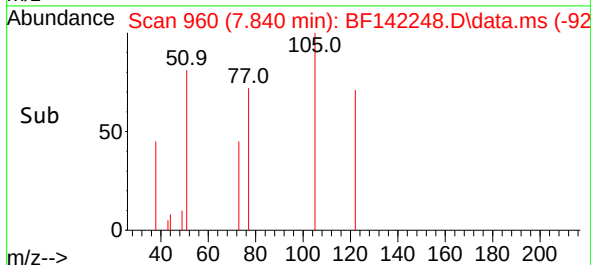
Tgt Ion: 82 Resp: 1276055  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 15.3 22.9#

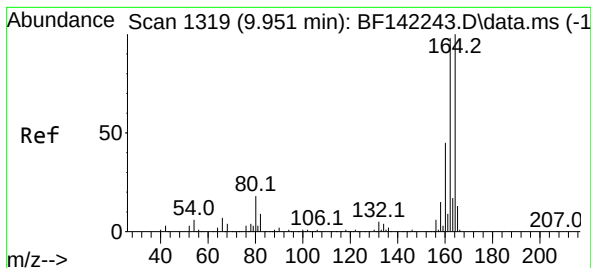


#32  
Benzoic acid  
Concen: 10.836 ng  
RT: 7.840 min Scan# 960  
Delta R.T. -0.095 min  
Lab File: BF142248.D  
Acq: 30 Apr 2025 17:15



Tgt Ion: 122 Resp: 236  
Ion Ratio Lower Upper  
122 100  
105 140.1 98.2 138.2#  
77 100.8 66.8 106.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1

Delta R.T. -0.012 min

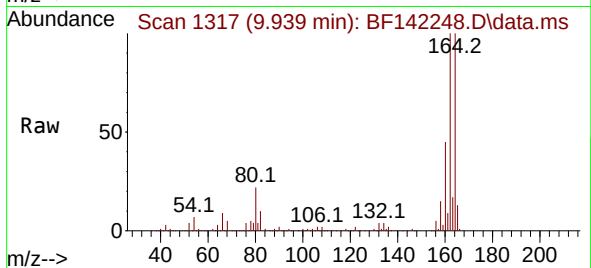
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Instrument :

BNA\_F

ClientSampleId :



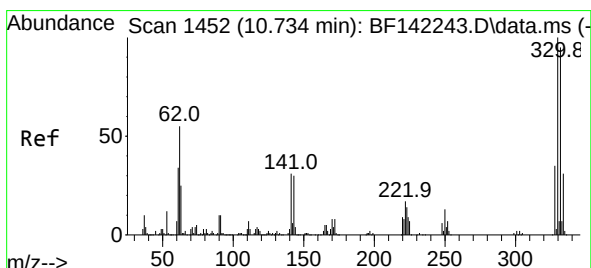
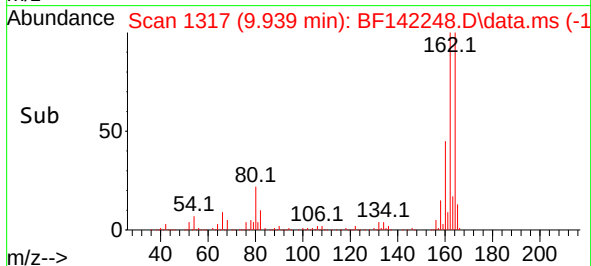
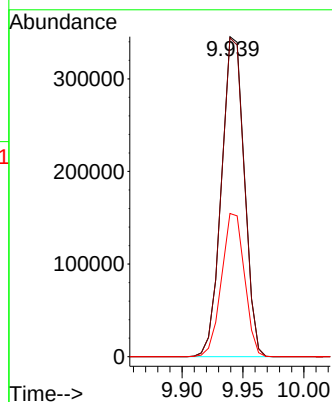
Tgt Ion:164 Resp: 451518

Ion Ratio Lower Upper

164 100

162 99.6 78.6 117.8

160 44.8 35.7 53.5



#42

2,4,6-Tribromophenol

Concen: 155.850 ng

RT: 10.733 min Scan# 1452

Delta R.T. -0.000 min

Lab File: BF142248.D

Acq: 30 Apr 2025 17:15

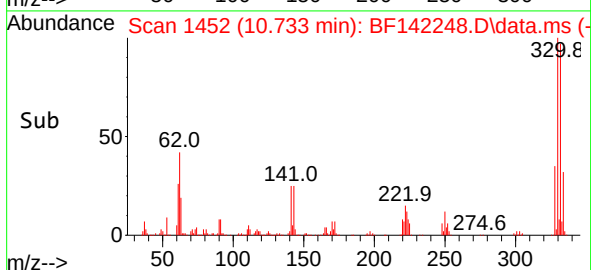
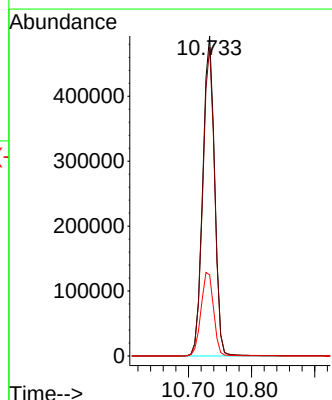
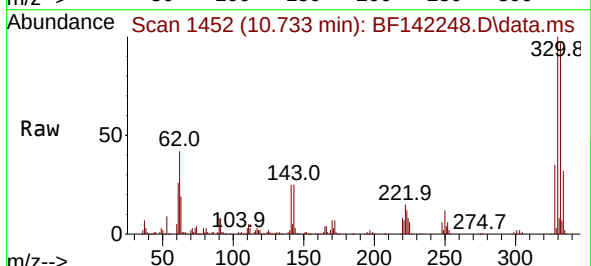
Tgt Ion:330 Resp: 641513

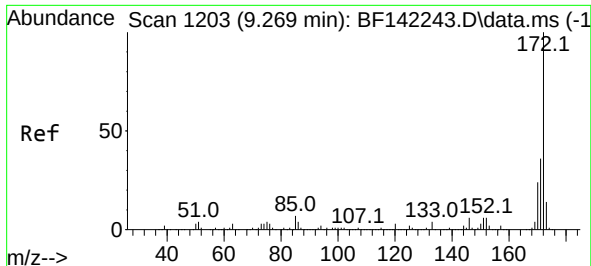
Ion Ratio Lower Upper

330 100

332 96.6 76.5 114.7

141 27.9 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 78.915 ng

RT: 9.263 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142248.D

Acq: 30 Apr 2025 17:15

Instrument :

BNA\_F

ClientSampleId :

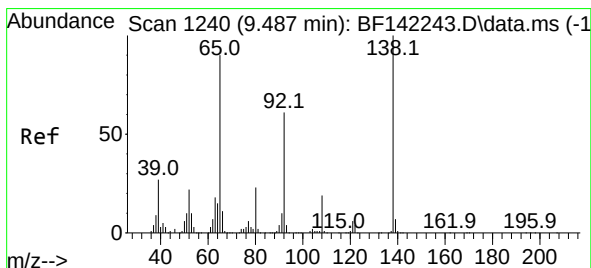
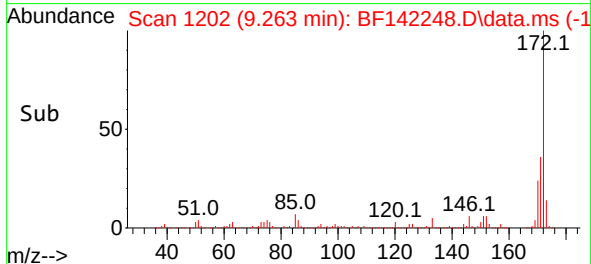
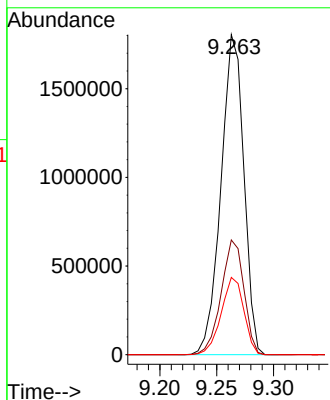
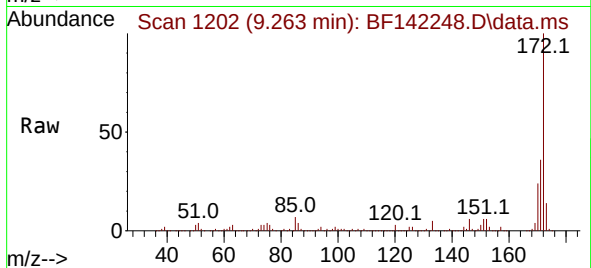
Tgt Ion:172 Resp: 2527115

Ion Ratio Lower Upper

172 100

171 35.8 29.0 43.4

170 24.1 19.4 29.0



#48

2-Nitroaniline

Concen: 5.313 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.224 min

Lab File: BF142248.D

Acq: 30 Apr 2025 17:15

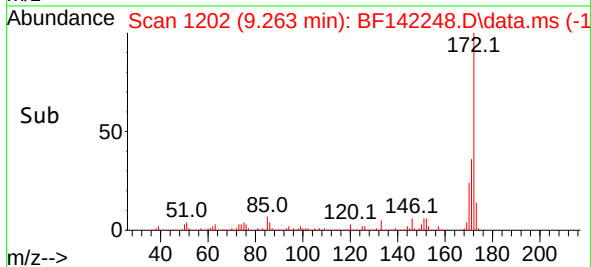
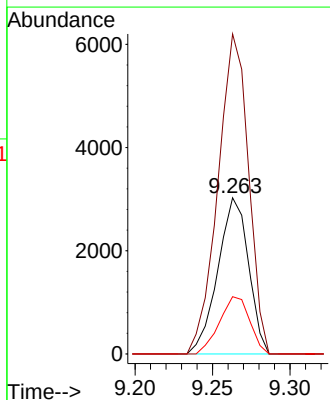
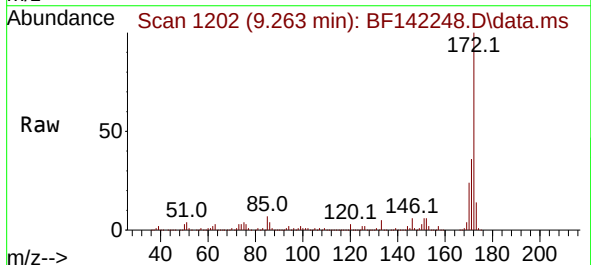
Tgt Ion: 65 Resp: 4164

Ion Ratio Lower Upper

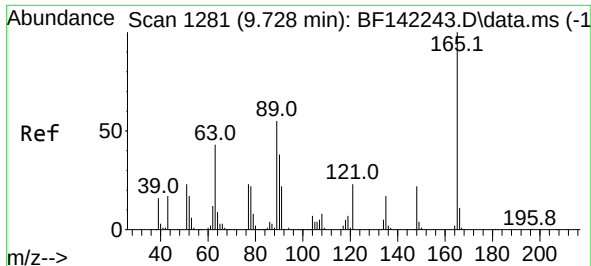
65 100

92 204.9 54.3 81.5#

138 36.6 88.6 133.0#







#51

2,6-Dinitrotoluene

Concen: 13.603 ng

RT: 9.939 min Scan# 1

Delta R.T. 0.211 min

Lab File: BF142248.D

Acq: 30 Apr 2025 17:15

Instrument :

BNA\_F

ClientSampleId :

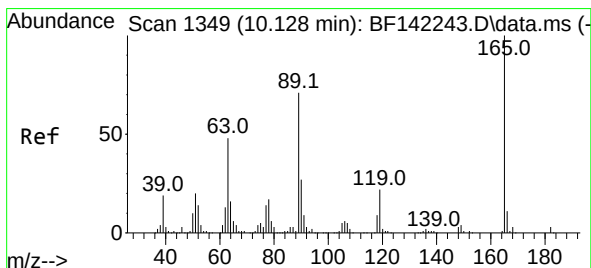
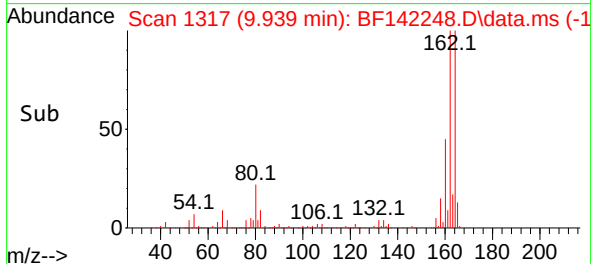
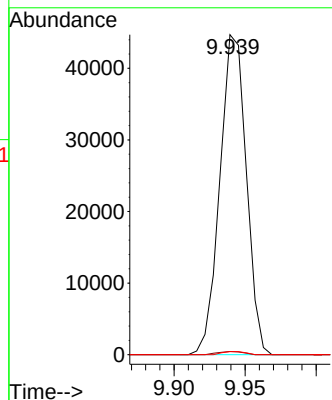
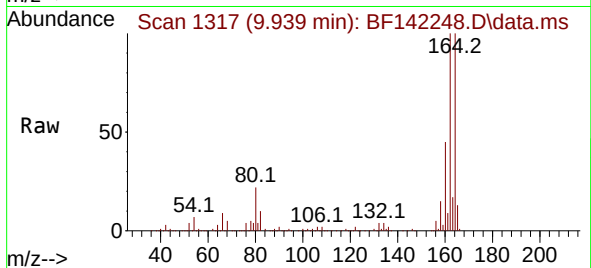
Tgt Ion:165 Resp: 57926

Ion Ratio Lower Upper

165 100

63 1.0 48.5 72.7#

89 1.0 43.9 65.9#



#57

2,4-Dinitrotoluene

Concen: 12.759 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.189 min

Lab File: BF142248.D

Acq: 30 Apr 2025 17:15

Tgt Ion:165 Resp: 57926

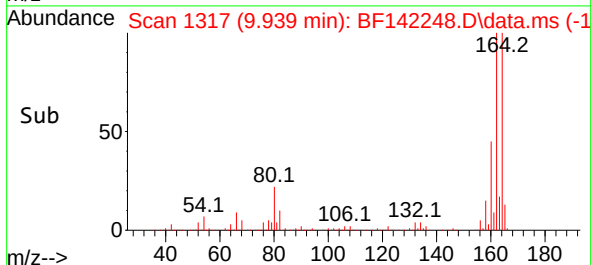
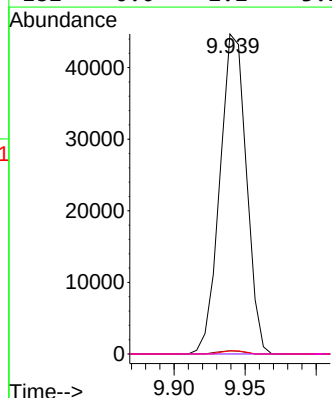
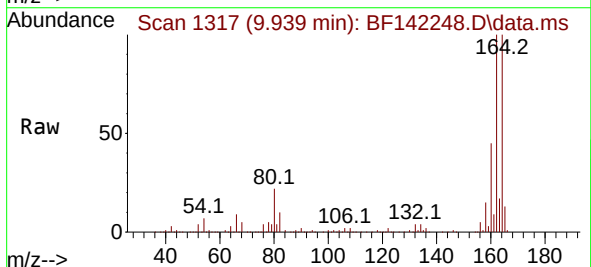
Ion Ratio Lower Upper

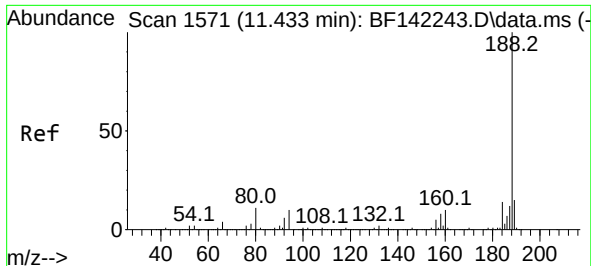
165 100

63 1.0 38.8 58.2#

89 1.0 57.1 85.7#

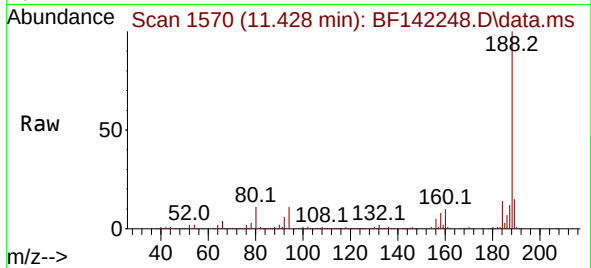
182 0.0 2.2 3.2#



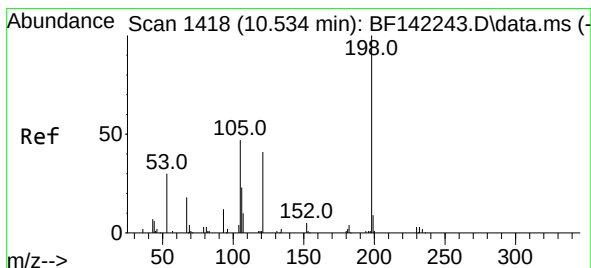
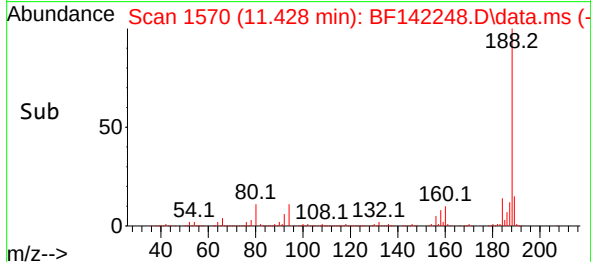
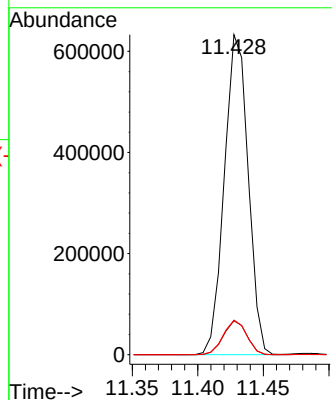


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.428 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF142248.D  
Acq: 30 Apr 2025 17:15

Instrument :  
BNA\_F  
ClientSampleId :

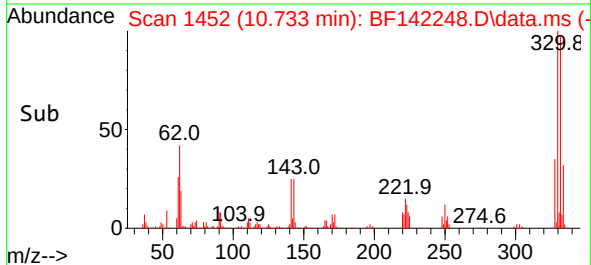
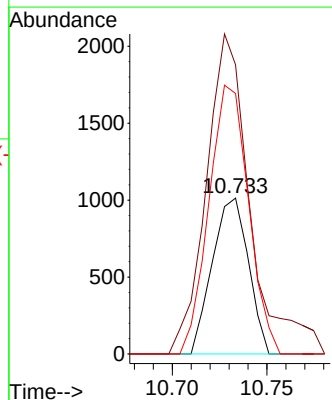
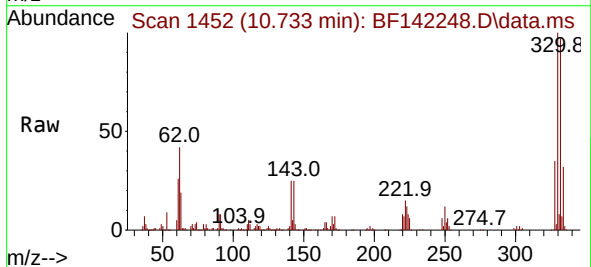


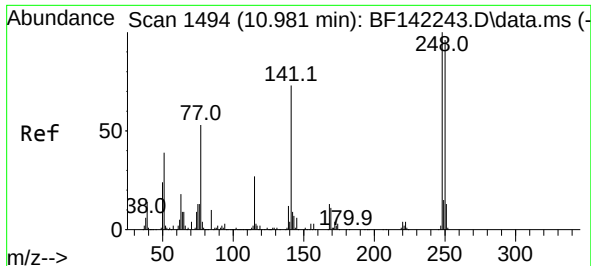
Tgt Ion:188 Resp: 800448  
Ion Ratio Lower Upper  
188 100  
94 10.6 8.2 12.2  
80 10.8 8.6 12.8



#65  
4,6-Dinitro-2-methylphenol  
Concen: 11.008 ng  
RT: 10.733 min Scan# 1452  
Delta R.T. 0.199 min  
Lab File: BF142248.D  
Acq: 30 Apr 2025 17:15

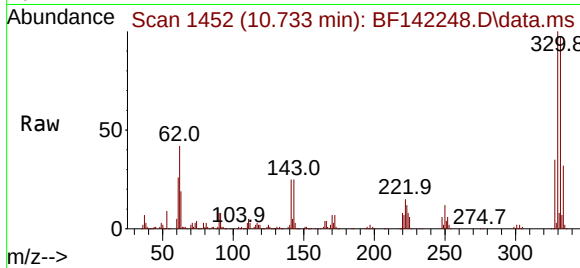
Tgt Ion:198 Resp: 1342  
Ion Ratio Lower Upper  
198 100  
51 185.5 40.6 80.6#  
105 167.1 29.2 69.2#



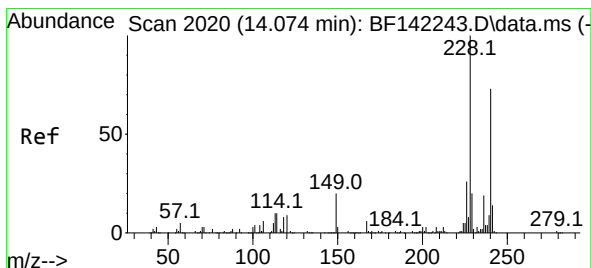
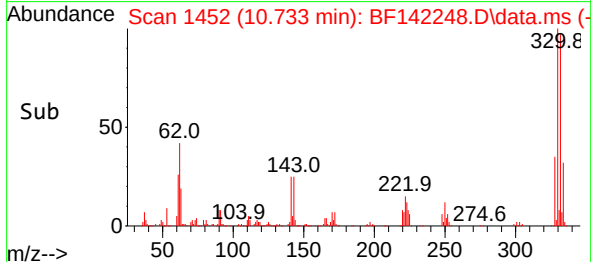
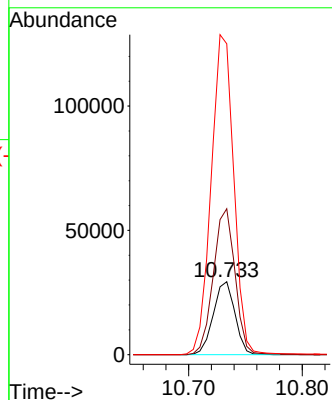


#67  
4-Bromophenyl-phenylether  
Concen: 4.364 ng  
RT: 10.733 min Scan# 141  
Delta R.T. -0.247 min  
Lab File: BF142248.D  
Acq: 30 Apr 2025 17:15

Instrument :  
BNA\_F  
ClientSampleId :

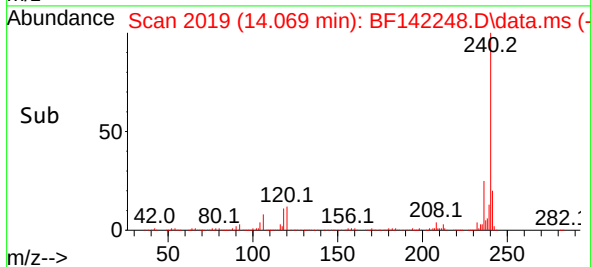
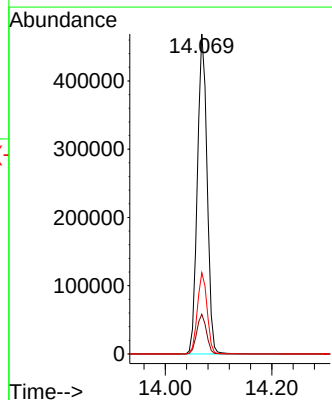
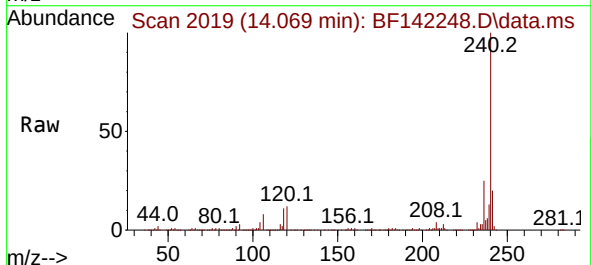


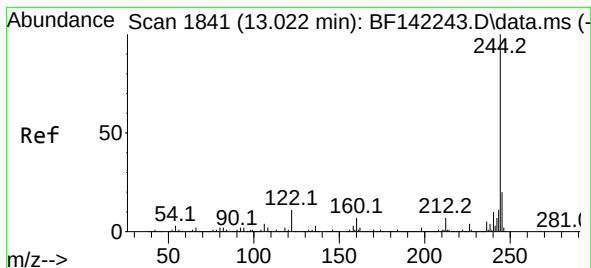
Tgt Ion:248 Resp: 38905  
Ion Ratio Lower Upper  
248 100  
250 199.7 77.2 115.8#  
141 425.5 58.4 87.6#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.069 min Scan# 2019  
Delta R.T. -0.006 min  
Lab File: BF142248.D  
Acq: 30 Apr 2025 17:15

Tgt Ion:240 Resp: 591104  
Ion Ratio Lower Upper  
240 100  
120 12.4 10.1 15.1  
236 25.4 20.5 30.7





#79

Terphenyl-d14

Concen: 70.322 ng

RT: 13.022 min Scan# 1841

Delta R.T. -0.000 min

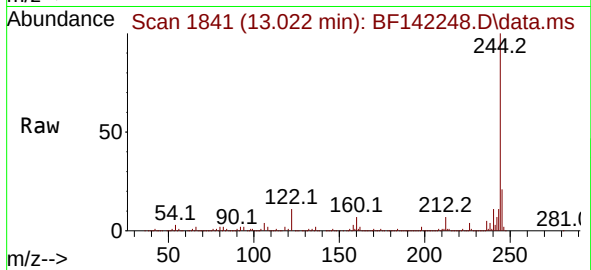
Lab File: BF142248.D

Acq: 30 Apr 2025 17:15

Instrument :

BNA\_F

ClientSampleId :



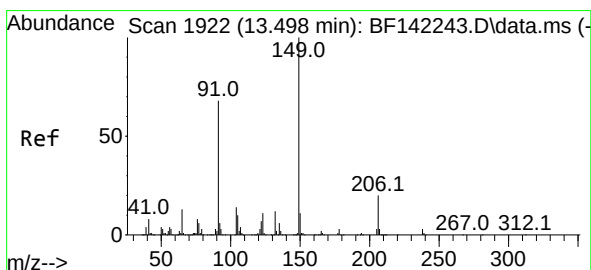
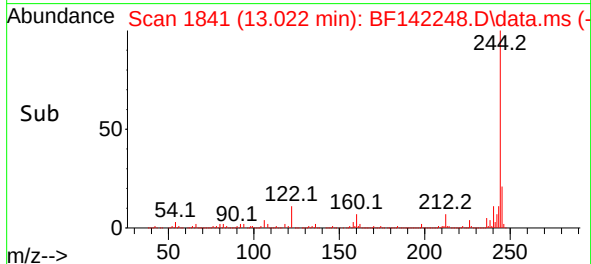
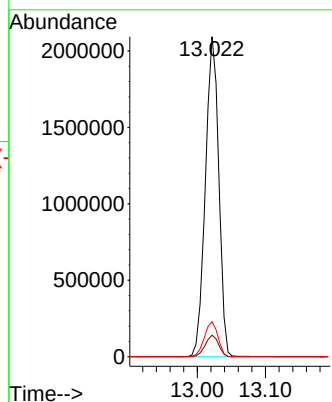
Tgt Ion:244 Resp: 2858057

Ion Ratio Lower Upper

244 100

212 6.7 5.3 7.9

122 10.9 9.1 13.7



#80

Butylbenzylphthalate

Concen: 3.724 ng

RT: 13.551 min Scan# 1931

Delta R.T. 0.053 min

Lab File: BF142248.D

Acq: 30 Apr 2025 17:15

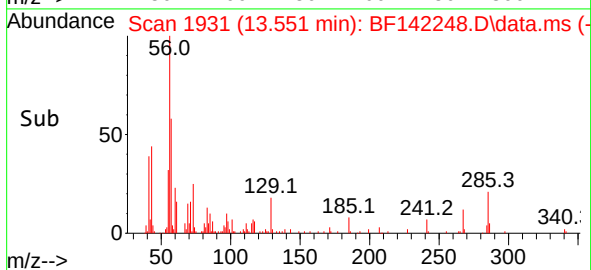
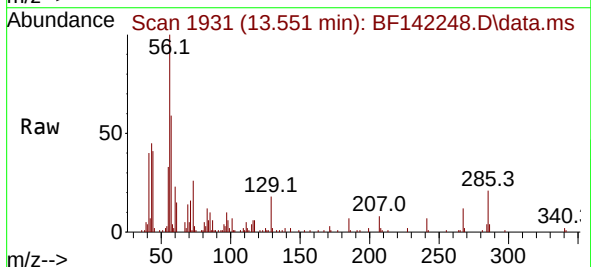
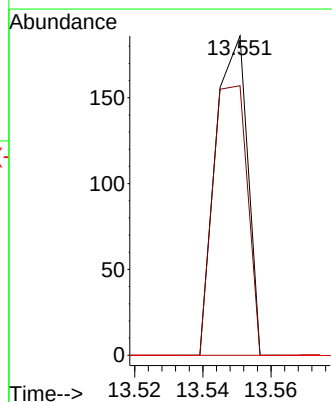
Tgt Ion:149 Resp: 121

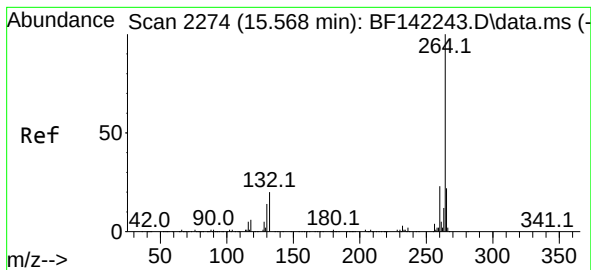
Ion Ratio Lower Upper

149 100

91 84.4 54.4 81.6#

206 0.0 15.9 23.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 21

Delta R.T. -0.006 min

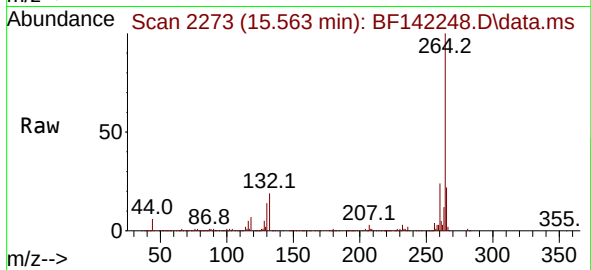
Lab File: BF142248.D

Acq: 30 Apr 2025 17:15

Instrument :

BNA\_F

ClientSampleId :



Tgt Ion:264 Resp: 405474

Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

265 22.1 17.3 25.9

