

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031325\  
 Data File : BF141945.D  
 Acq On : 13 Mar 2025 17:14  
 Operator : RC/JU  
 Sample : Q1547-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-620-JB-COMP-01

Quant Time: Mar 13 17:39:18 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

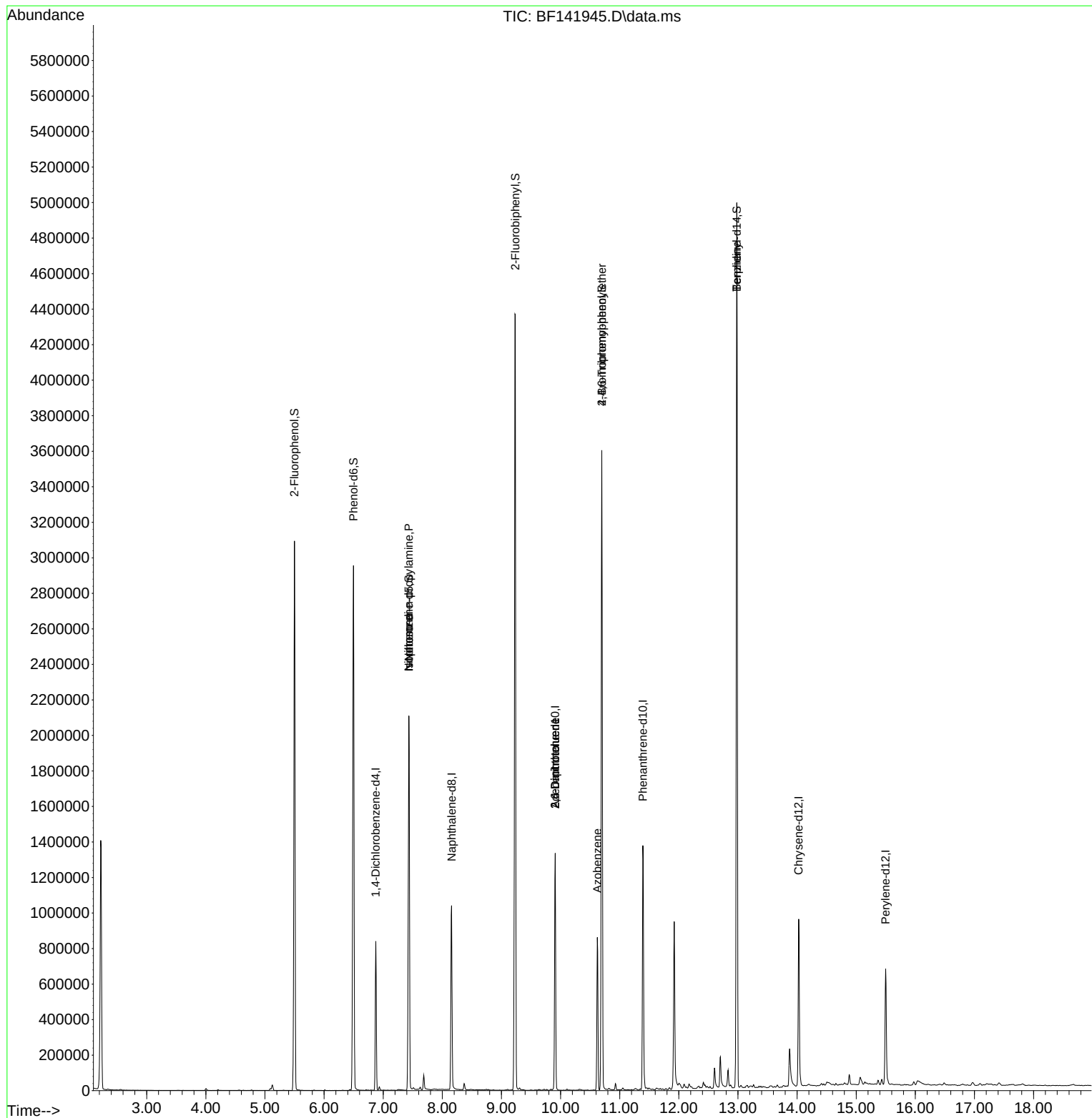
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 172797   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 692798   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 404798   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.392 | 188  | 710543   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 14.027 | 240  | 432714   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.498 | 264  | 378407   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 1226811  | 118.492 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 1529040  | 115.991 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 1009211  | 81.978  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.698 | 330  | 689122   | 134.191 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 2082308  | 78.232  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 2498941  | 85.381  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.434  | 70   | 140337   | 16.568  | ng    | # 79     |
| 25) Isophorone                | 7.434  | 82   | 988275   | 45.415  | ng    | # 64     |
| 51) 2,6-Dinitrotoluene        | 9.910  | 165  | 51988    | 8.808   | ng    | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.910  | 165  | 51988    | 6.744   | ng    | # 24     |
| 63) Azobenzene                | 10.622 | 77   | 223585   | 8.508   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.698 | 248  | 43419    | 4.866   | ng    | # 1      |
| 77) Benzidine                 | 12.980 | 184  | 34182    | 5.662   | ng    | # 91     |
| -----                         |        |      |          |         |       |          |

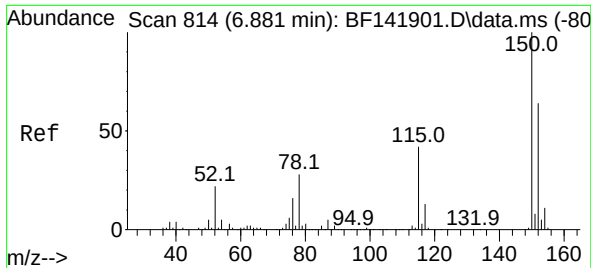
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031325\  
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BNA\_F  
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Quant Time: Mar 13 17:39:18 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

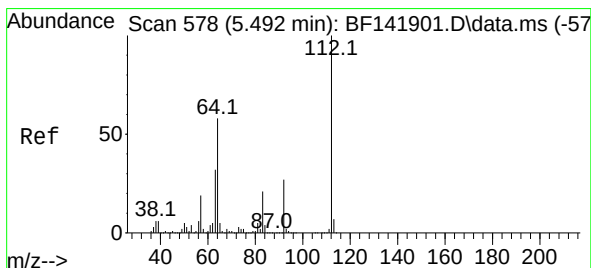
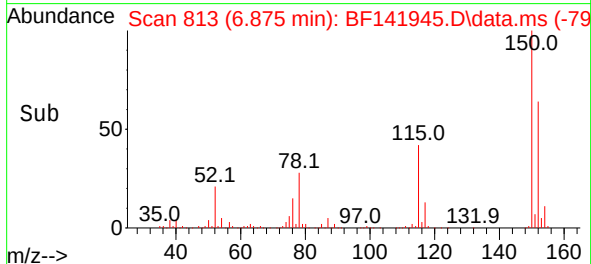
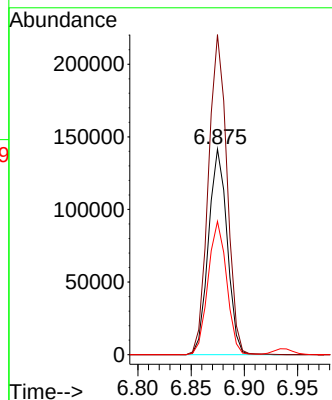
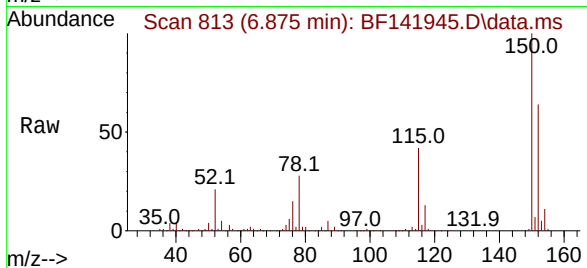




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 814  
Delta R.T. -0.006 min  
Lab File: BF141945.D  
Acq: 13 Mar 2025 17:14

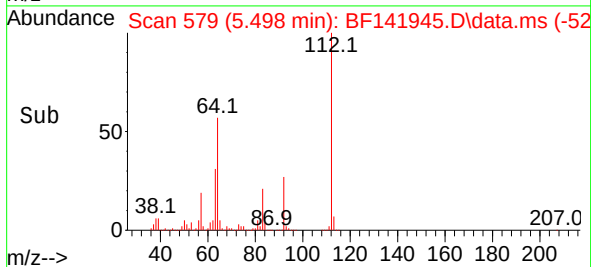
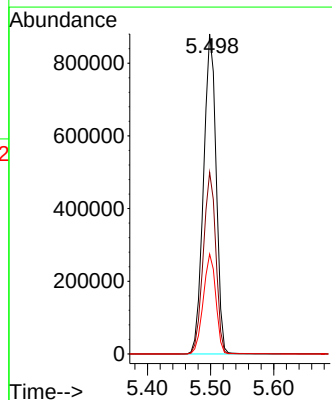
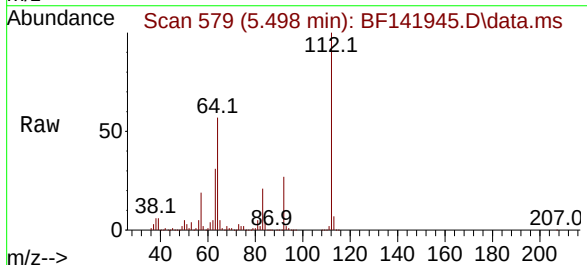
Instrument :  
BNA\_F  
ClientSampleId :  
OR-620-JB-COMP-01

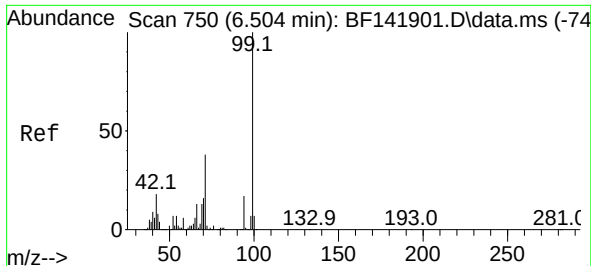
Tgt Ion:152 Resp: 172797  
Ion Ratio Lower Upper  
152 100  
150 155.6 127.4 191.2  
115 64.8 51.9 77.9



#5  
2-Fluorophenol  
Concen: 118.492 ng  
RT: 5.498 min Scan# 579  
Delta R.T. 0.006 min  
Lab File: BF141945.D  
Acq: 13 Mar 2025 17:14

Tgt Ion:112 Resp: 1226811  
Ion Ratio Lower Upper  
112 100  
64 56.8 46.5 69.7  
63 31.2 25.4 38.2

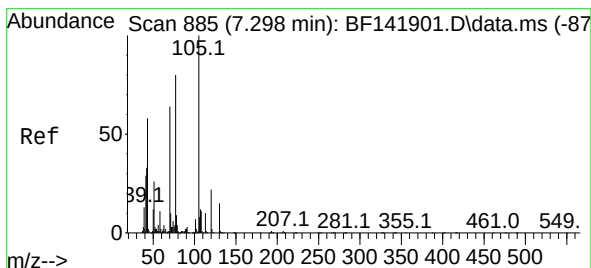
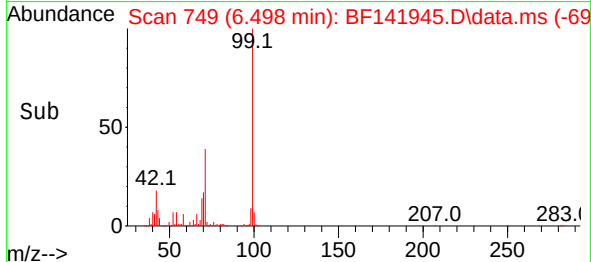
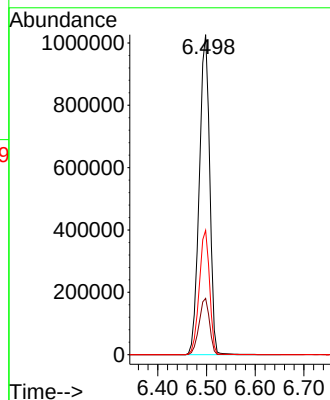
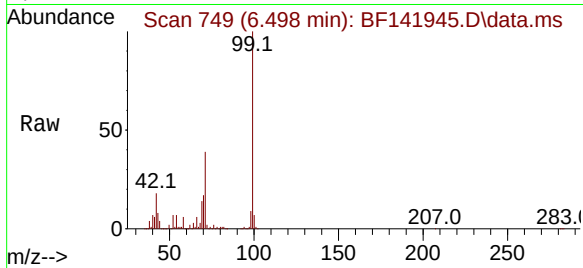




#7  
Phenol-d6  
Concen: 115.991 ng  
RT: 6.498 min Scan# 749  
Delta R.T. -0.006 min  
Lab File: BF141945.D  
Acq: 13 Mar 2025 17:14

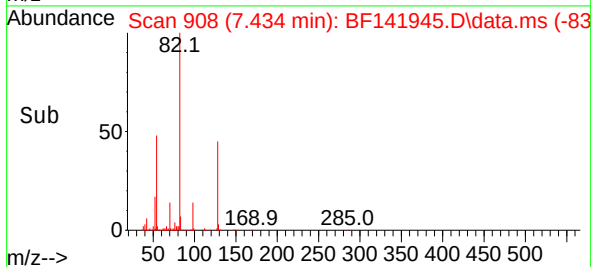
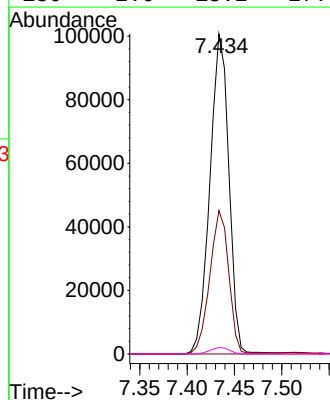
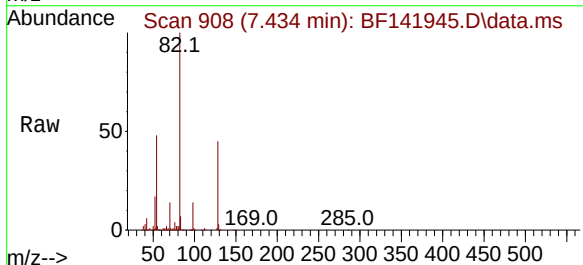
Instrument :  
BNA\_F  
ClientSampleId :  
OR-620-JB-COMP-01

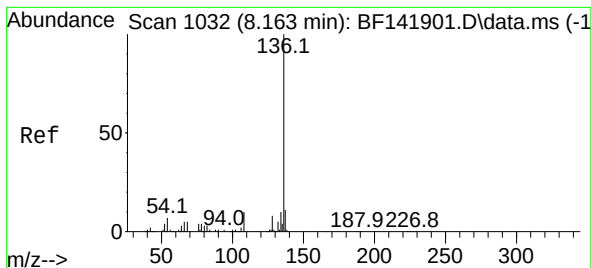
Tgt Ion: 99 Resp: 1529040  
Ion Ratio Lower Upper  
99 100  
42 17.6 14.6 21.8  
71 38.8 30.8 46.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.568 ng  
RT: 7.434 min Scan# 908  
Delta R.T. 0.135 min  
Lab File: BF141945.D  
Acq: 13 Mar 2025 17:14

Tgt Ion: 70 Resp: 140337  
Ion Ratio Lower Upper  
70 100  
42 44.8 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: 8.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141945.D

Acq: 13 Mar 2025 17:14

Instrument :

BNA\_F

ClientSampleId :

OR-620-JB-COMP-01

Tgt Ion:136 Resp: 692798

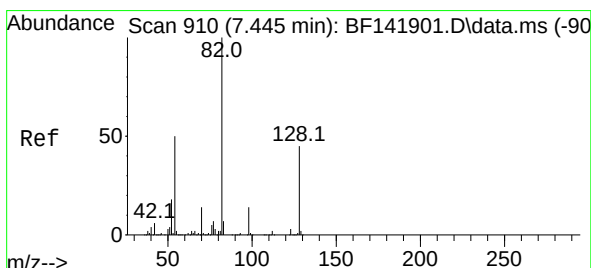
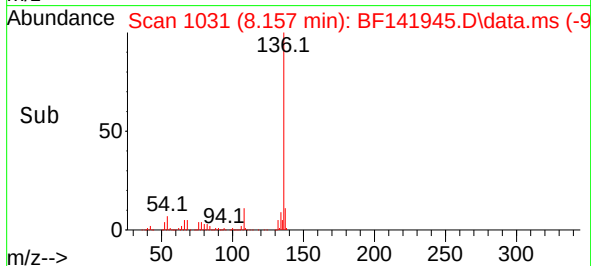
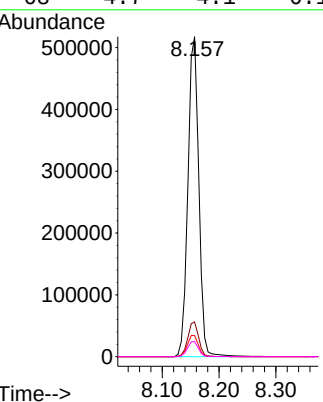
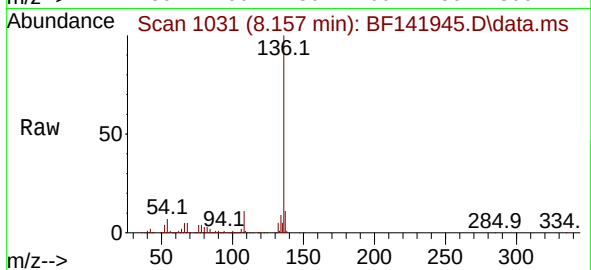
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 6.6 5.8 8.8

68 4.7 4.1 6.1



#23

Nitrobenzene-d5

Concen: 81.978 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF141945.D

Acq: 13 Mar 2025 17:14

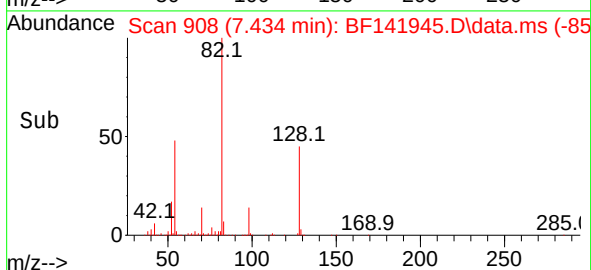
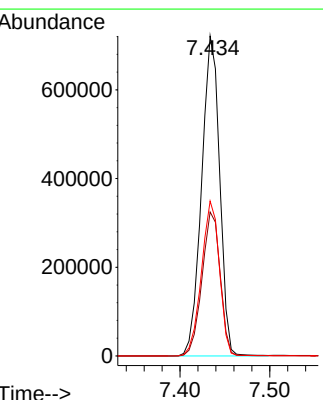
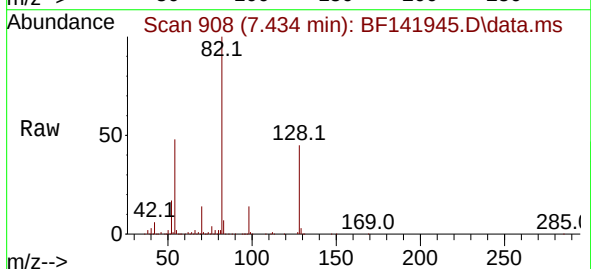
Tgt Ion: 82 Resp: 1009211

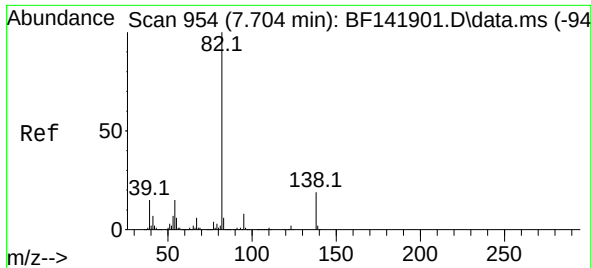
Ion Ratio Lower Upper

82 100

128 45.0 36.0 54.0

54 48.4 39.6 59.4

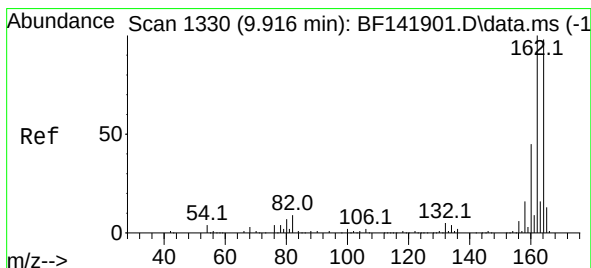
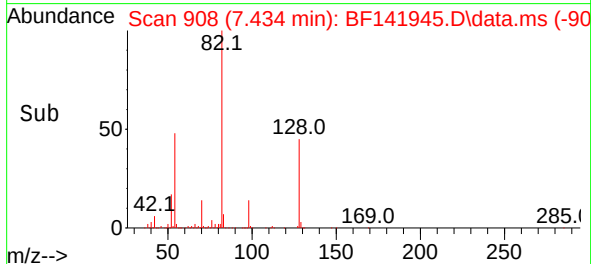
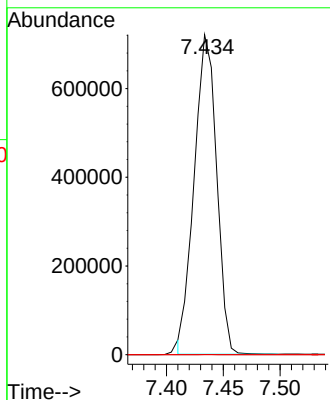
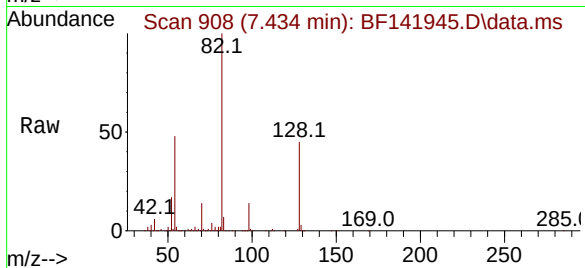




#25  
Isophorone  
Concen: 45.415 ng  
RT: 7.434 min Scan# 90  
Delta R.T. -0.271 min  
Lab File: BF141945.D  
Acq: 13 Mar 2025 17:14

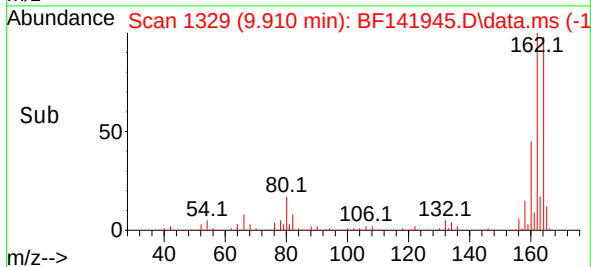
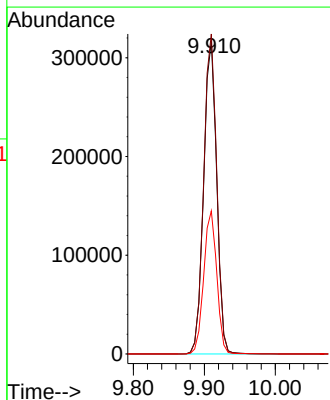
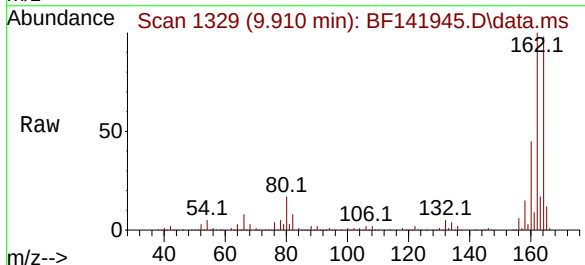
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OR-620-JB-COMP-01

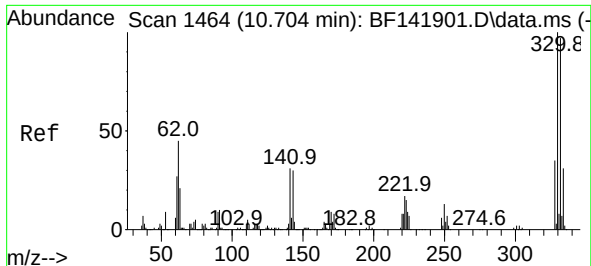
Tgt Ion: 82 Resp: 988275  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.4 9.6#  
138 0.0 14.9 22.3#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.910 min Scan# 1329  
Delta R.T. -0.006 min  
Lab File: BF141945.D  
Acq: 13 Mar 2025 17:14

Tgt Ion:164 Resp: 404798  
Ion Ratio Lower Upper  
164 100  
162 102.2 81.8 122.6  
160 45.7 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 134.191 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF141945.D

Acq: 13 Mar 2025 17:14

Instrument :

BNA\_F

ClientSampleId :

OR-620-JB-COMP-01

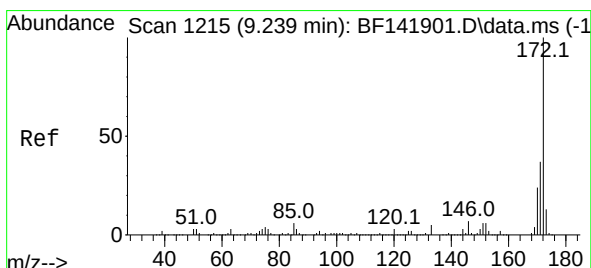
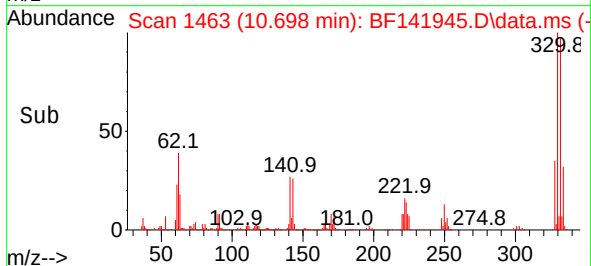
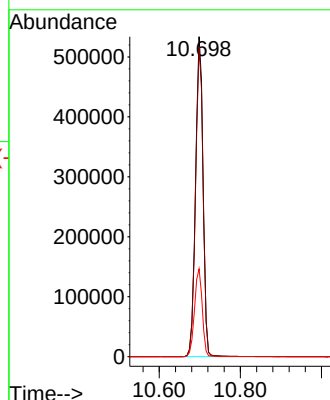
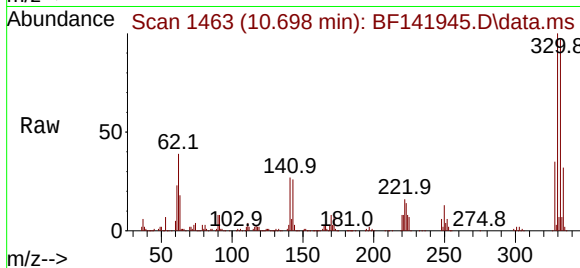
Tgt Ion:330 Resp: 689122

Ion Ratio Lower Upper

330 100

332 96.8 77.6 116.4

141 28.2 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 78.232 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141945.D

Acq: 13 Mar 2025 17:14

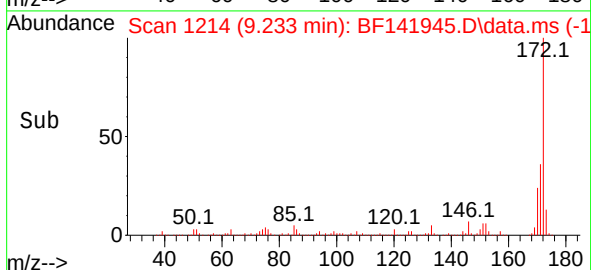
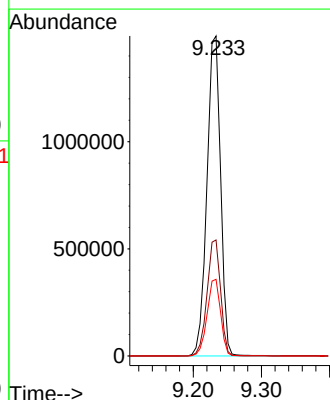
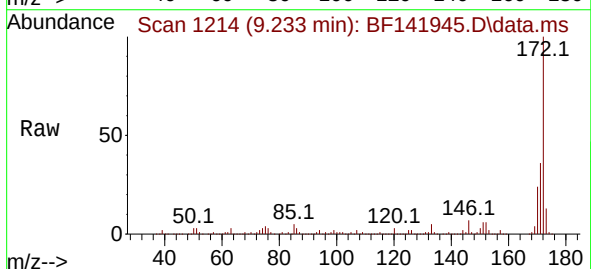
Tgt Ion:172 Resp: 2082308

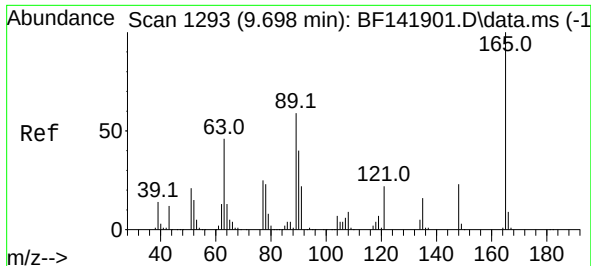
Ion Ratio Lower Upper

172 100

171 36.3 29.3 43.9

170 23.9 19.4 29.0

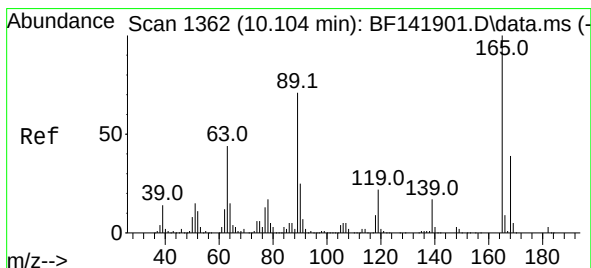
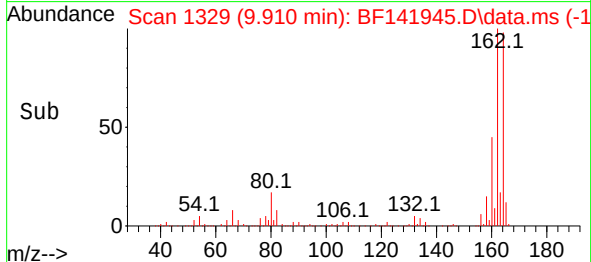
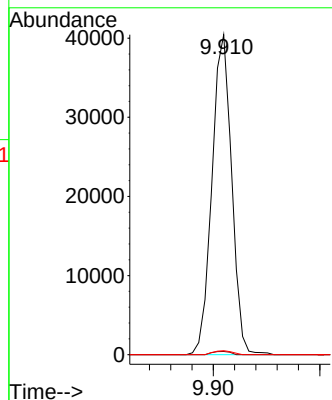
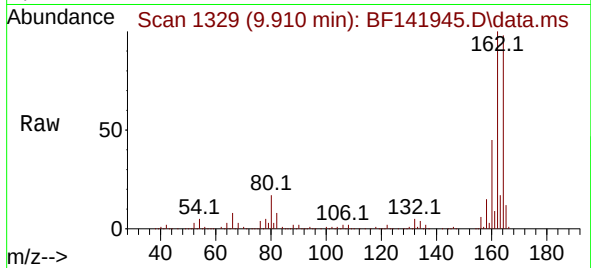




#51  
2,6-Dinitrotoluene  
Concen: 8.808 ng  
RT: 9.910 min Scan# 1329  
Delta R.T. 0.212 min  
Lab File: BF141945.D  
Acq: 13 Mar 2025 17:14

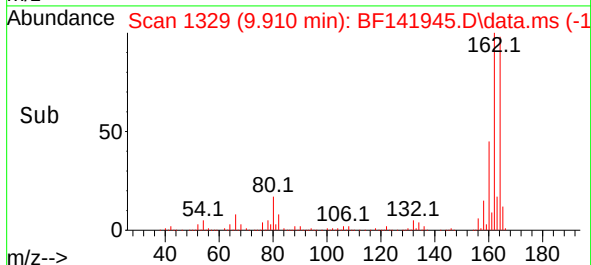
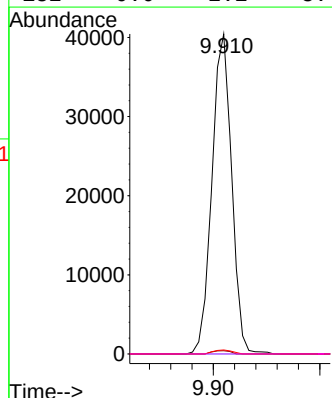
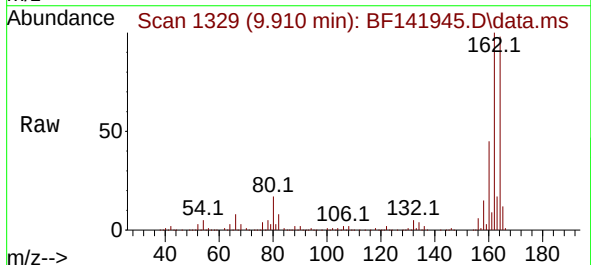
Instrument :  
BNA\_F  
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OR-620-JB-COMP-01

Tgt Ion:165 Resp: 51988  
Ion Ratio Lower Upper  
165 100  
63 1.0 47.0 70.4#  
89 1.3 47.4 71.2#

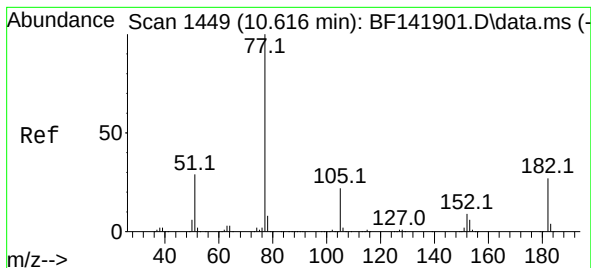


#57  
2,4-Dinitrotoluene  
Concen: 6.744 ng  
RT: 9.910 min Scan# 1329  
Delta R.T. -0.194 min  
Lab File: BF141945.D  
Acq: 13 Mar 2025 17:14

Tgt Ion:165 Resp: 51988  
Ion Ratio Lower Upper  
165 100  
63 1.0 35.4 53.2#  
89 1.3 56.6 84.8#  
182 0.0 2.2 3.4#







#63

Azobenzene

Concen: 8.508 ng

RT: 10.622 min Scan# 1449

Delta R.T. 0.006 min

Lab File: BF141945.D

Acq: 13 Mar 2025 17:14

Instrument :

BNA\_F

ClientSampleId :

OR-620-JB-COMP-01

Tgt Ion: 77 Resp: 223585

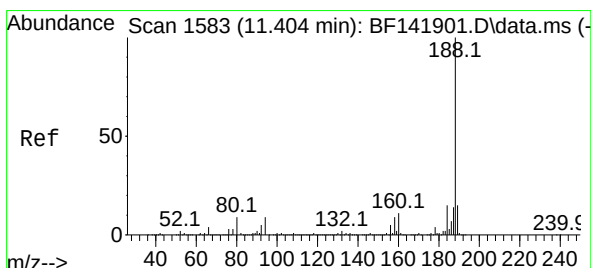
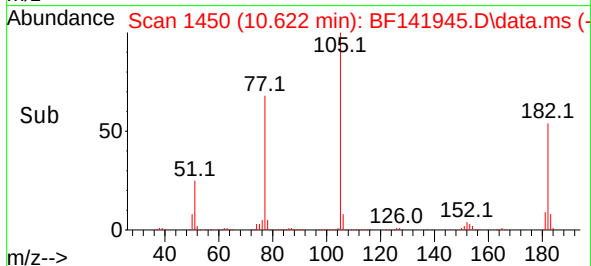
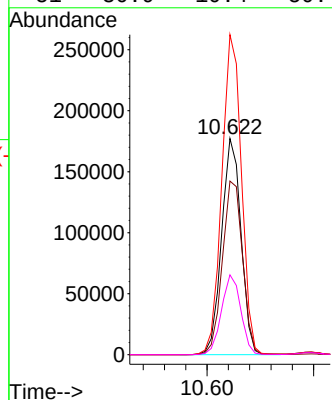
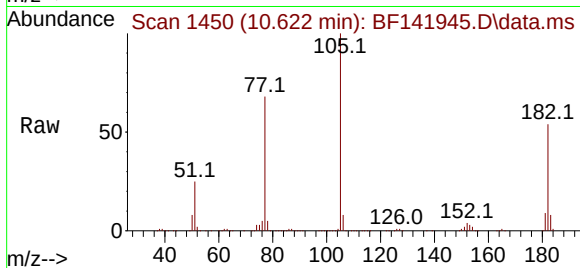
Ion Ratio Lower Upper

77 100

182 80.3 6.6 46.6#

105 148.0 1.3 41.3#

51 36.9 10.4 50.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF141945.D

Acq: 13 Mar 2025 17:14

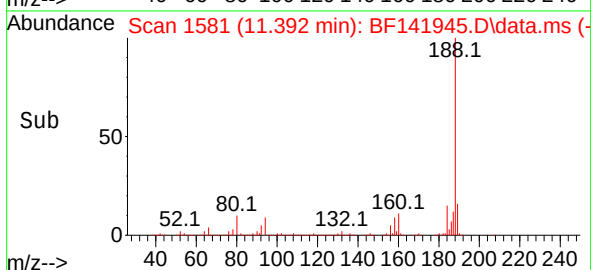
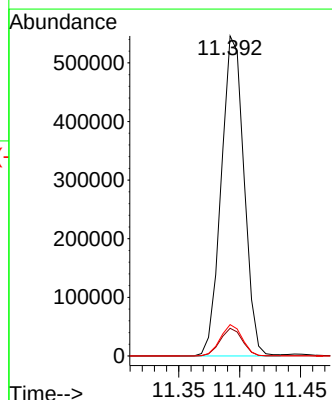
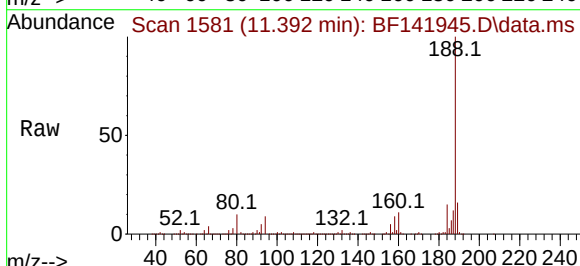
Tgt Ion: 188 Resp: 710543

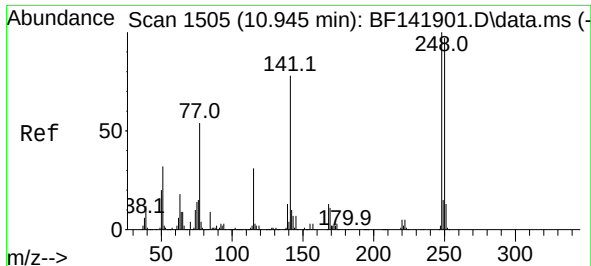
Ion Ratio Lower Upper

188 100

94 8.7 6.8 10.2

80 9.8 7.6 11.4





#67

4-Bromophenyl-phenylether

Concen: 4.866 ng

RT: 10.698 min Scan# 14

Delta R.T. -0.247 min

Lab File: BF141945.D

Acq: 13 Mar 2025 17:14

Instrument :

BNA\_F

ClientSampleId :

OR-620-JB-COMP-01

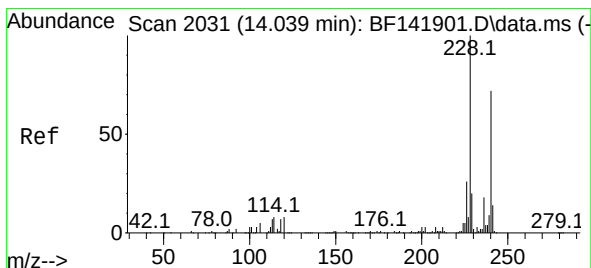
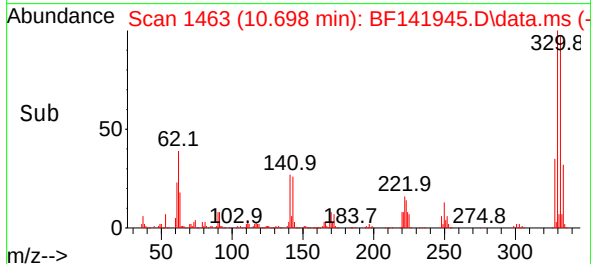
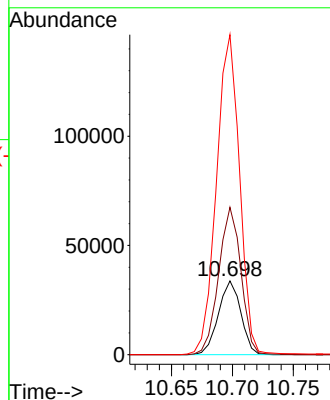
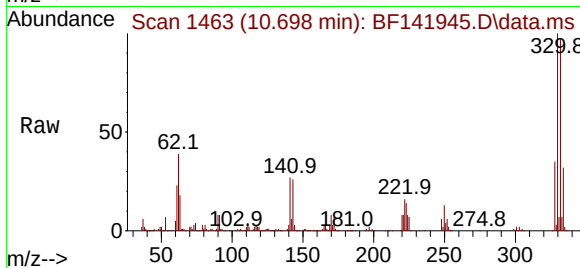
Tgt Ion:248 Resp: 43419

Ion Ratio Lower Upper

248 100

250 199.6 77.8 116.8#

141 433.5 62.6 93.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.012 min

Lab File: BF141945.D

Acq: 13 Mar 2025 17:14

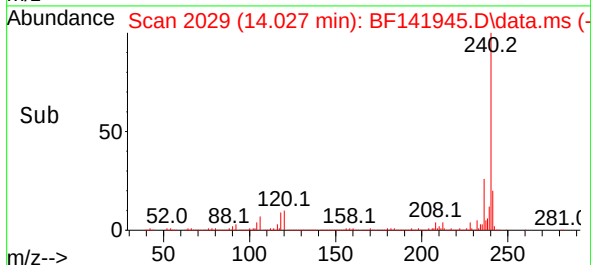
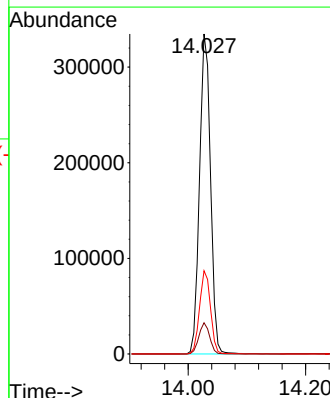
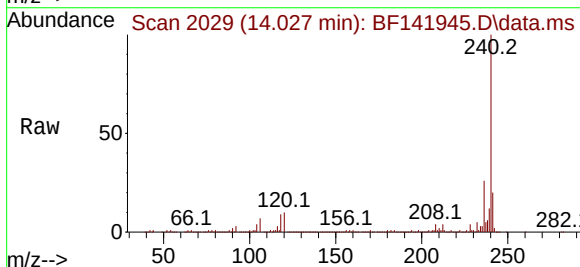
Tgt Ion:240 Resp: 432714

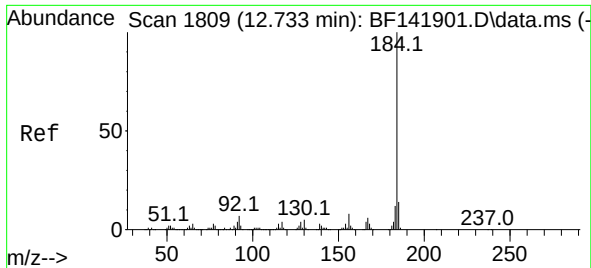
Ion Ratio Lower Upper

240 100

120 9.7 8.4 12.6

236 26.0 20.5 30.7

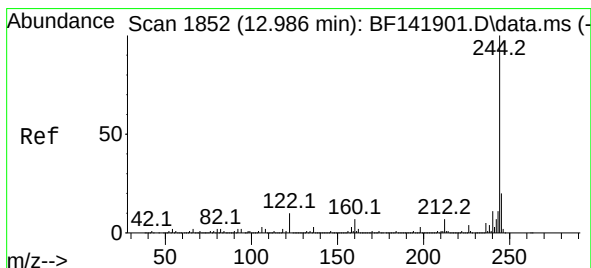
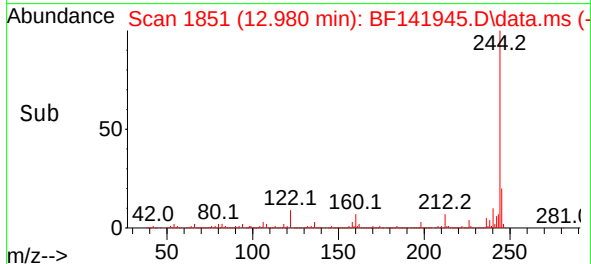
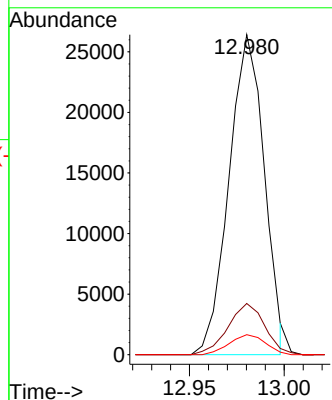
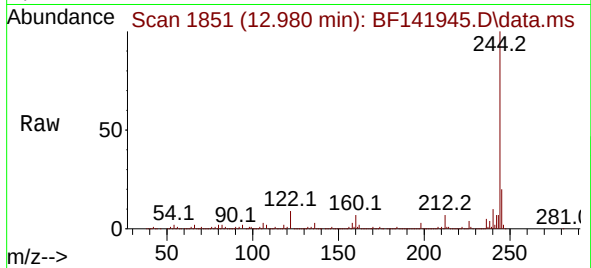




#77  
Benzidine  
Concen: 5.662 ng  
RT: 12.980 min Scan# 1851  
Delta R.T. 0.247 min  
Lab File: BF141945.D  
Acq: 13 Mar 2025 17:14

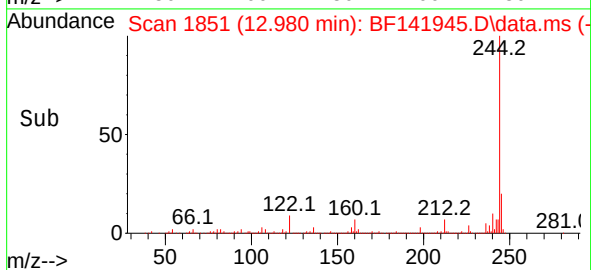
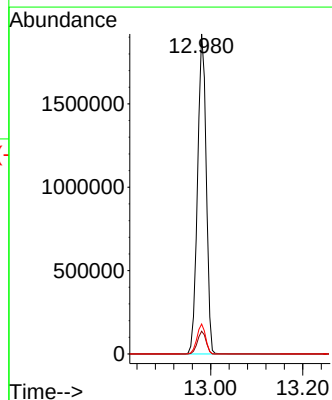
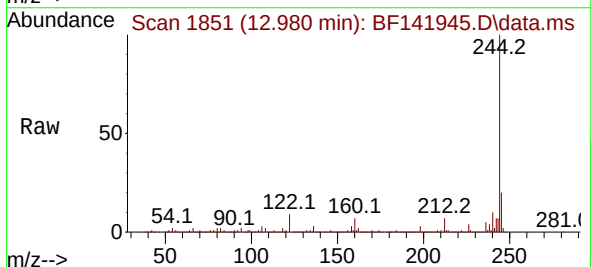
Instrument :  
BNA\_F  
ClientSampleId :  
OR-620-JB-COMP-01

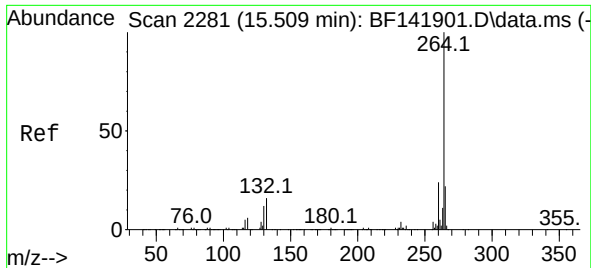
Tgt Ion:184 Resp: 34182  
Ion Ratio Lower Upper  
184 100  
185 16.0 11.5 17.3  
183 6.3 9.7 14.5#



#79  
Terphenyl-d14  
Concen: 85.381 ng  
RT: 12.980 min Scan# 1851  
Delta R.T. -0.006 min  
Lab File: BF141945.D  
Acq: 13 Mar 2025 17:14

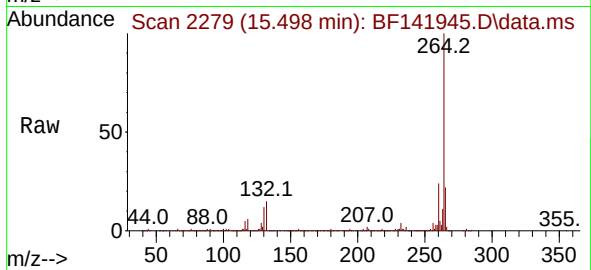
Tgt Ion:244 Resp: 2498941  
Ion Ratio Lower Upper  
244 100  
212 7.1 6.0 9.0  
122 9.3 7.7 11.5





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.498 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: BF141945.D  
 Acq: 13 Mar 2025 17:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-620-JB-COMP-01



Tgt Ion:264 Resp: 378407  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 19.1 28.7  
 265 21.5 17.5 26.3

