

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011425\  
 Data File : BF141148.D  
 Acq On : 14 Jan 2025 16:27  
 Operator : RC/JU  
 Sample : Q1074-02  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HACKENSACK-DGA

Quant Time: Jan 14 16:51:52 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 10 22:54:19 2025  
 Response via : Initial Calibration

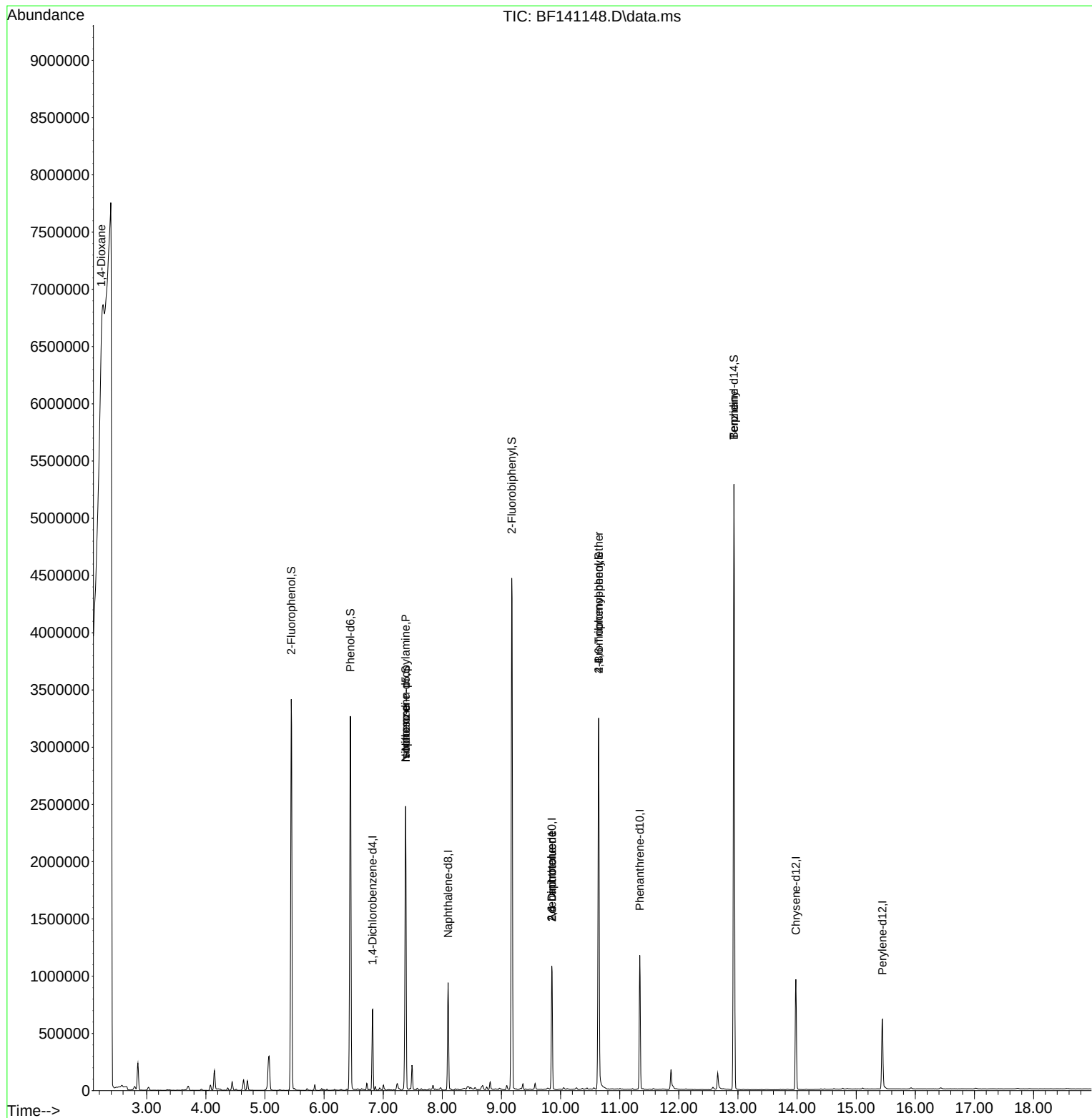
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.822  | 152  | 151006   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.098  | 136  | 602985   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.851  | 164  | 332209   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.339 | 188  | 582623   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.980 | 240  | 465306   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.445 | 264  | 370943   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.445  | 112  | 1427143  | 145.998 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.445  | 99   | 1745654  | 140.981 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.381  | 82   | 1202390  | 105.702 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.645 | 330  | 670473   | 177.125 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.175  | 172  | 2172528  | 99.863  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.933 | 244  | 2734636  | 87.351  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.234  | 88   | 24593    | 5.650   | ng    | # 54     |
| 19) n-Nitroso-di-n-propyla... | 7.381  | 70   | 165626   | 22.707  | ng    | # 76     |
| 25) Isophorone                | 7.381  | 82   | 1196895  | 61.569  | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.851  | 165  | 43083    | 8.307   | ng    | # 27     |
| 57) 2,4-Dinitrotoluene        | 9.851  | 165  | 43083    | 6.446   | ng    | # 24     |
| 67) 4-Bromophenyl-phenylether | 10.645 | 248  | 40870    | 6.093   | ng    | # 1      |
| 77) Benzidine                 | 12.933 | 184  | 34580    | 4.008   | ng    | # 91     |
| -----                         |        |      |          |         |       |          |

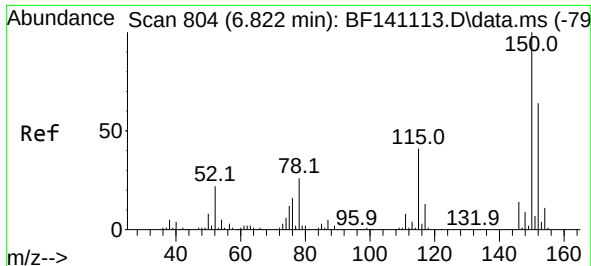
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011425\  
Data File : BF141148.D  
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Sample : Q1074-02  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
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Quant Time: Jan 14 16:51:52 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jan 10 22:54:19 2025  
Response via : Initial Calibration

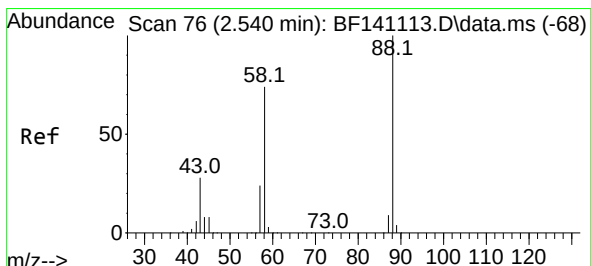
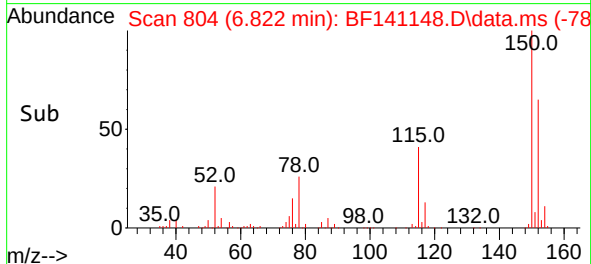
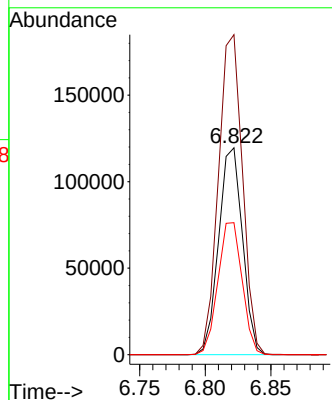
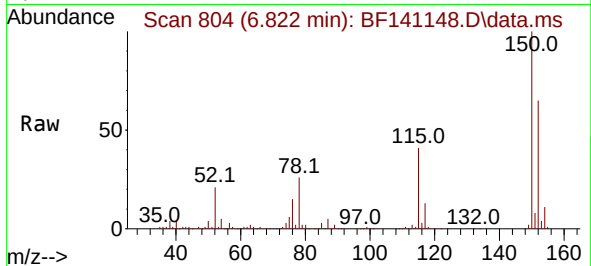




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.822 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: BF141148.D  
 Acq: 14 Jan 2025 16:27

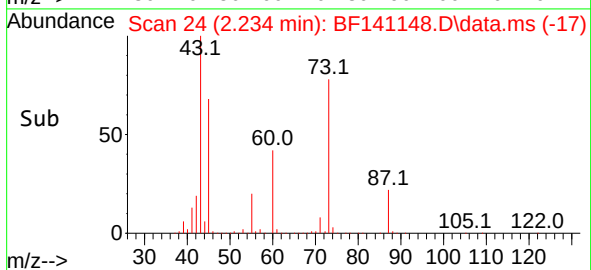
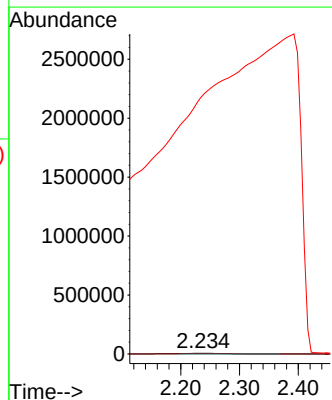
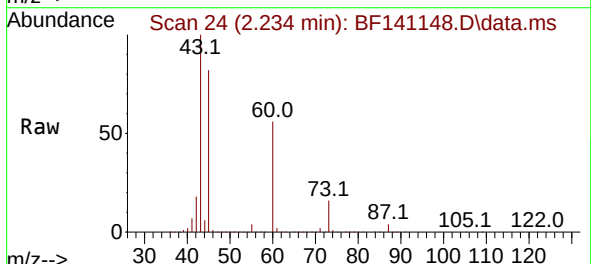
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HACKENSACK-DGA

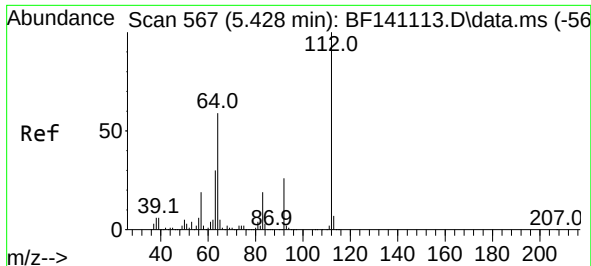
Tgt Ion:152 Resp: 151006  
 Ion Ratio Lower Upper  
 152 100  
 150 154.6 125.8 188.8  
 115 63.8 51.4 77.2



#2  
 1,4-Dioxane  
 Concen: 5.650 ng  
 RT: 2.234 min Scan# 24  
 Delta R.T. -0.306 min  
 Lab File: BF141148.D  
 Acq: 14 Jan 2025 16:27

Tgt Ion: 88 Resp: 24593  
 Ion Ratio Lower Upper  
 88 100  
 58 38.1 60.1 90.1#  
 43 0.0 23.1 34.7#

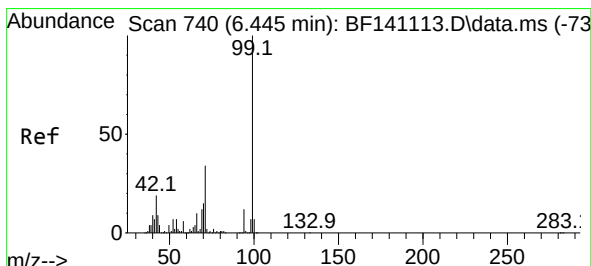
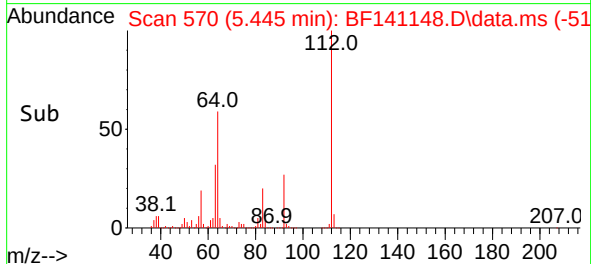
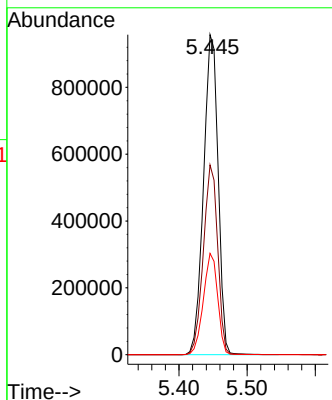
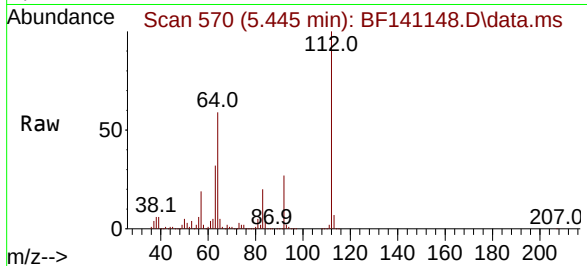




#5  
2-Fluorophenol  
Concen: 145.998 ng  
RT: 5.445 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF141148.D  
Acq: 14 Jan 2025 16:27

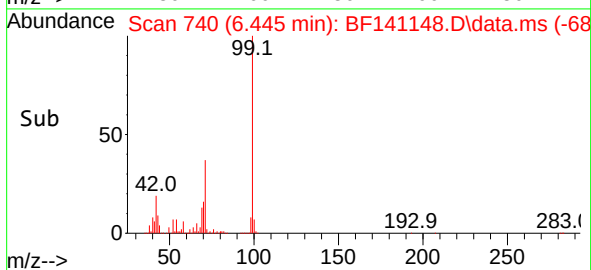
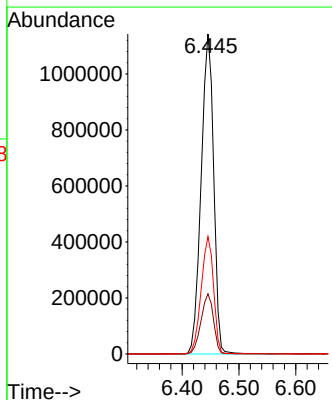
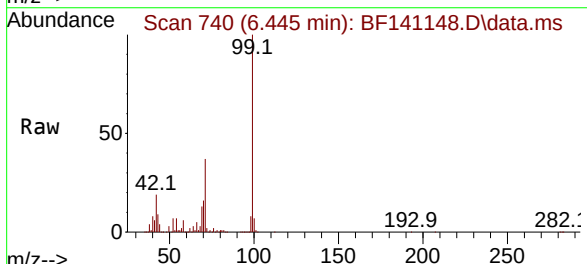
Instrument :  
BNA\_F  
ClientSampleId :  
HACKENSACK-DGA

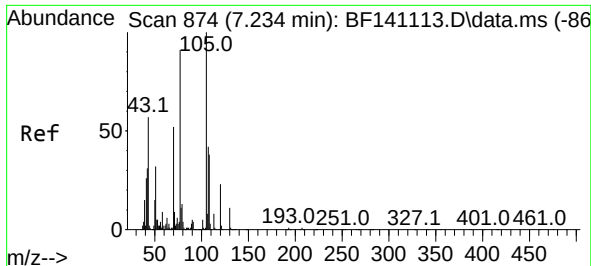
Tgt Ion:112 Resp: 1427143  
Ion Ratio Lower Upper  
112 100  
64 59.3 47.3 70.9  
63 31.7 24.2 36.2



#7  
Phenol-d6  
Concen: 140.981 ng  
RT: 6.445 min Scan# 740  
Delta R.T. -0.000 min  
Lab File: BF141148.D  
Acq: 14 Jan 2025 16:27

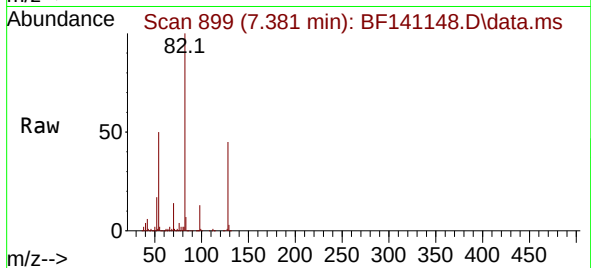
Tgt Ion: 99 Resp: 1745654  
Ion Ratio Lower Upper  
99 100  
42 18.8 15.0 22.4  
71 36.7 27.6 41.4



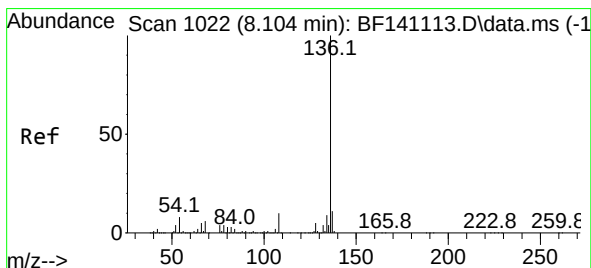
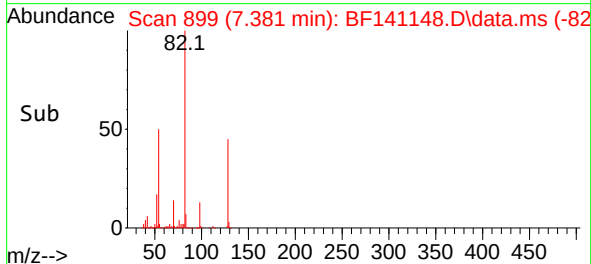
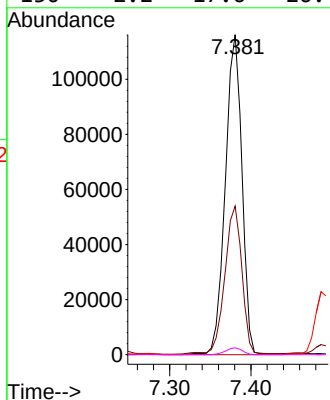


#19  
n-Nitroso-di-n-propylamine  
Concen: 22.707 ng  
RT: 7.381 min Scan# 899  
Delta R.T. 0.147 min  
Lab File: BF141148.D  
Acq: 14 Jan 2025 16:27

Instrument :  
BNA\_F  
ClientSampleId :  
HACKENSACK-DGA

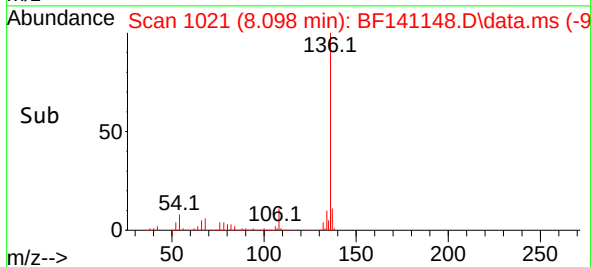
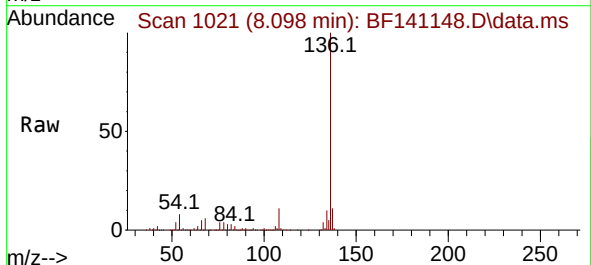
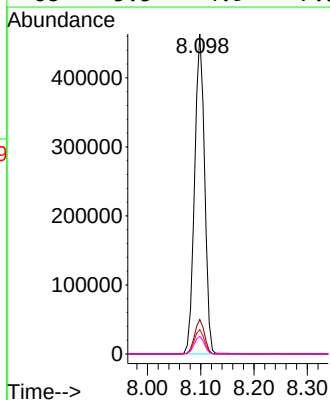


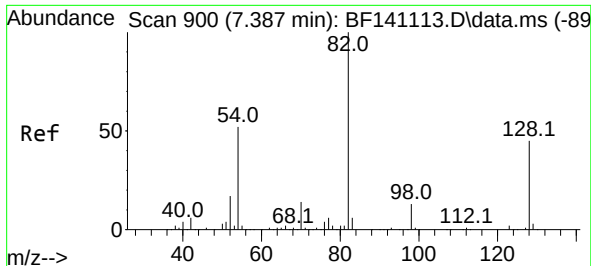
Tgt Ion: 70 Resp: 165626  
Ion Ratio Lower Upper  
70 100  
42 46.5 47.8 71.6#  
101 0.0 7.9 11.9#  
130 2.2 17.6 26.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.098 min Scan# 1021  
Delta R.T. -0.006 min  
Lab File: BF141148.D  
Acq: 14 Jan 2025 16:27

Tgt Ion: 136 Resp: 602985  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.8 13.2  
54 7.6 6.3 9.5  
68 5.5 4.9 7.3

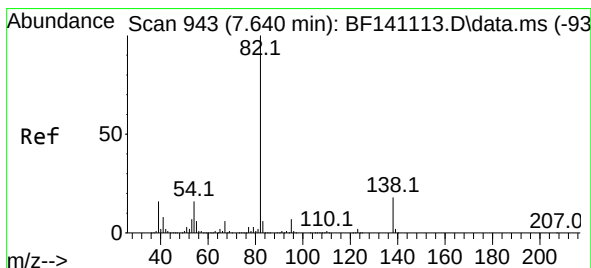
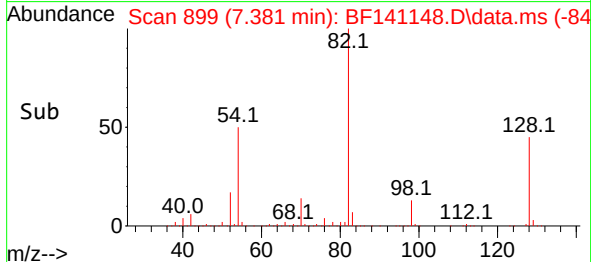
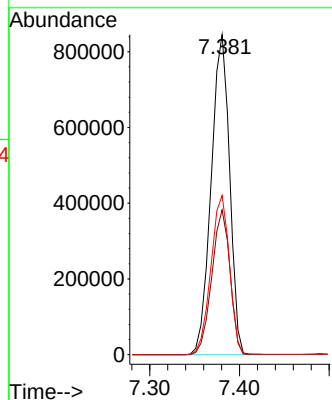
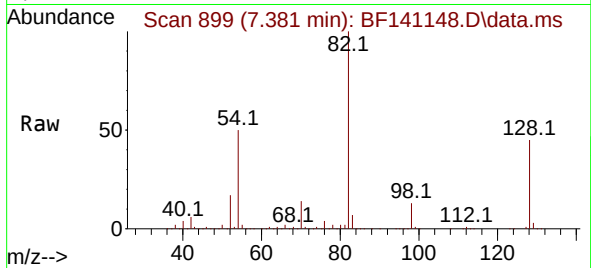




#23  
Nitrobenzene-d5  
Concen: 105.702 ng  
RT: 7.381 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: BF141148.D  
Acq: 14 Jan 2025 16:27

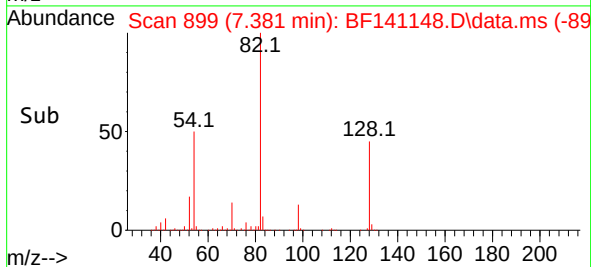
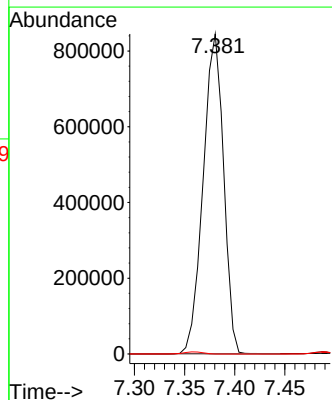
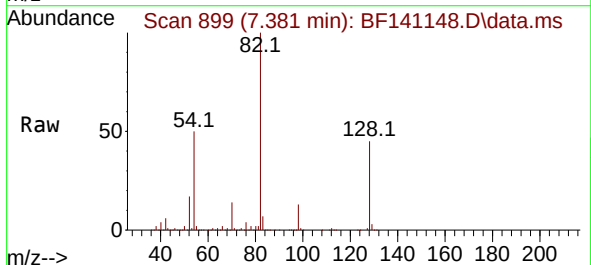
Instrument :  
BNA\_F  
ClientSampleId :  
HACKENSACK-DGA

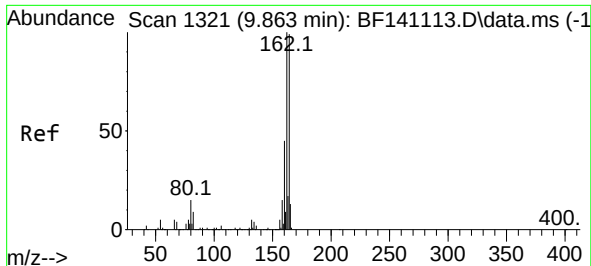
Tgt Ion: 82 Resp: 1202390  
Ion Ratio Lower Upper  
82 100  
128 45.2 36.1 54.1  
54 49.7 41.0 61.4



#25  
Isophorone  
Concen: 61.569 ng  
RT: 7.381 min Scan# 899  
Delta R.T. -0.259 min  
Lab File: BF141148.D  
Acq: 14 Jan 2025 16:27

Tgt Ion: 82 Resp: 1196895  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 14.2 21.2#

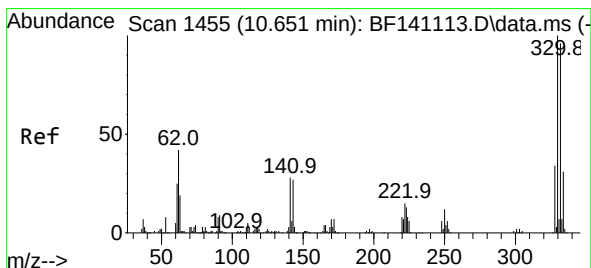
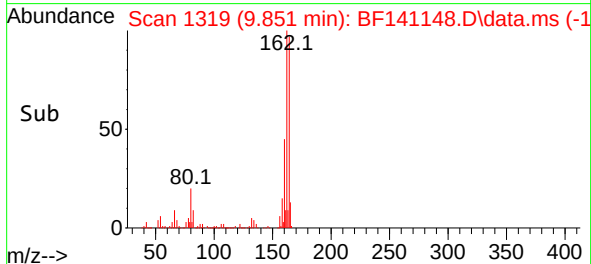
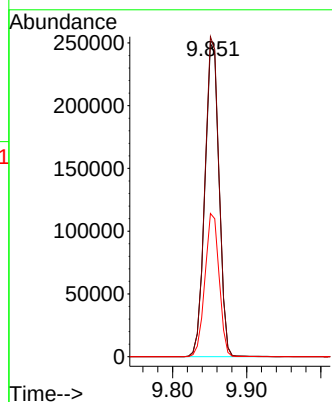
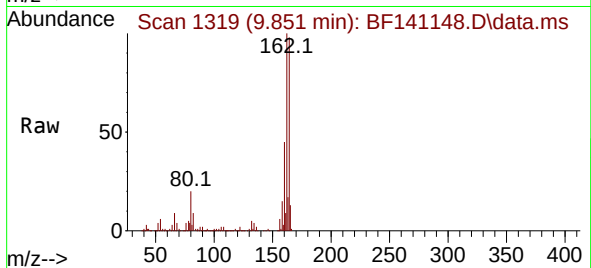




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.851 min Scan# 1319  
Delta R.T. -0.012 min  
Lab File: BF141148.D  
Acq: 14 Jan 2025 16:27

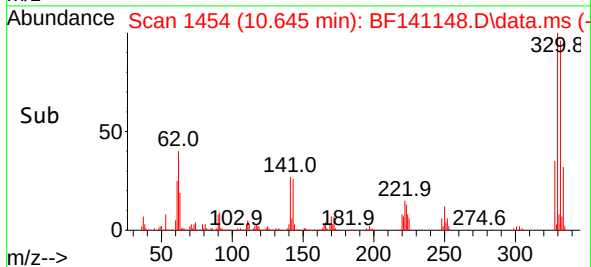
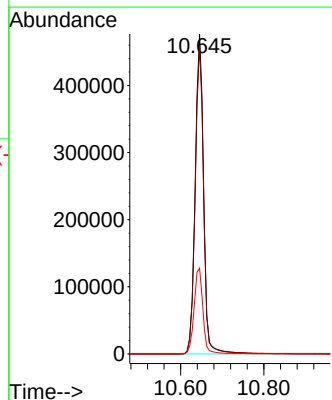
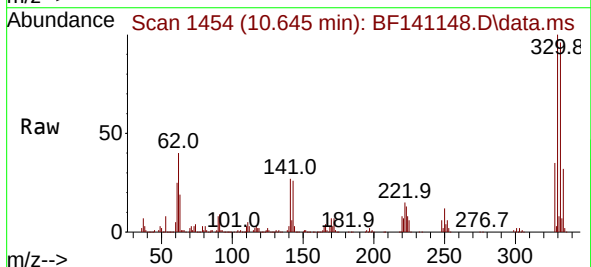
Instrument :  
BNA\_F  
ClientSampleId :  
HACKENSACK-DGA

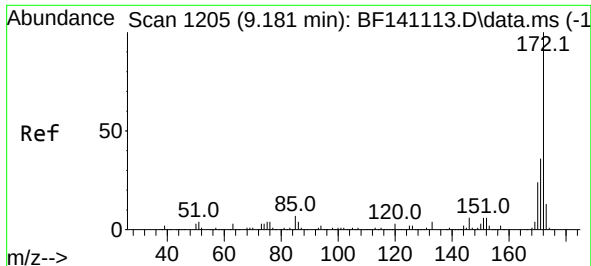
Tgt Ion:164 Resp: 332209  
Ion Ratio Lower Upper  
164 100  
162 102.0 81.0 121.4  
160 45.6 36.1 54.1



#42  
2,4,6-Tribromophenol  
Concen: 177.125 ng  
RT: 10.645 min Scan# 1454  
Delta R.T. -0.006 min  
Lab File: BF141148.D  
Acq: 14 Jan 2025 16:27

Tgt Ion:330 Resp: 670473  
Ion Ratio Lower Upper  
330 100  
332 96.5 76.9 115.3  
141 28.5 25.2 37.8





#45

2-Fluorobiphenyl

Concen: 99.863 ng

RT: 9.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141148.D

Acq: 14 Jan 2025 16:27

Instrument :

BNA\_F

ClientSampleId :

HACKENSACK-DGA

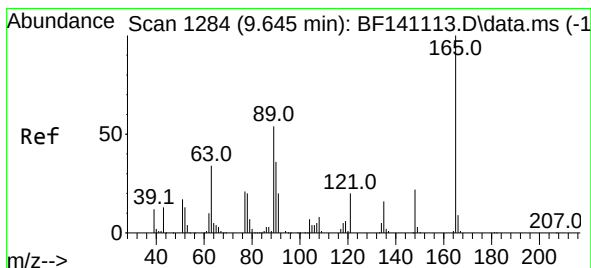
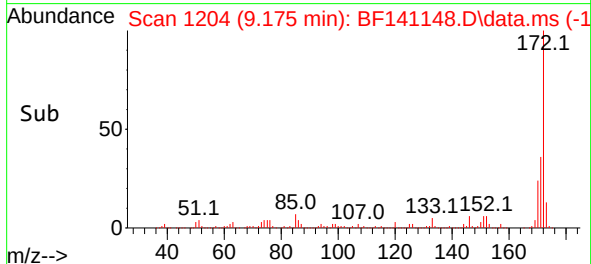
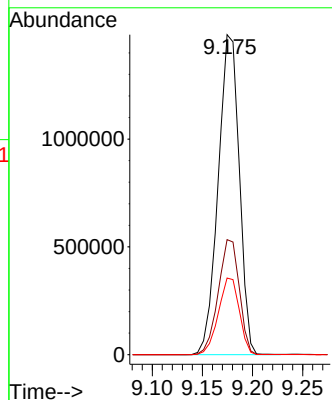
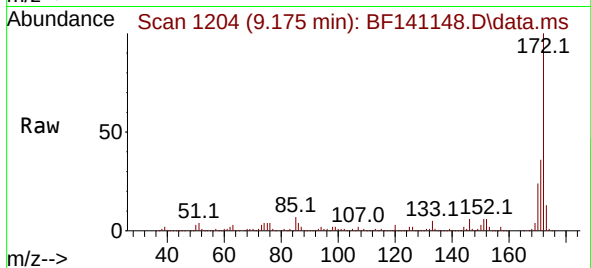
Tgt Ion:172 Resp: 2172528

Ion Ratio Lower Upper

172 100

171 36.0 28.7 43.1

170 23.9 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 8.307 ng

RT: 9.851 min Scan# 1319

Delta R.T. 0.206 min

Lab File: BF141148.D

Acq: 14 Jan 2025 16:27

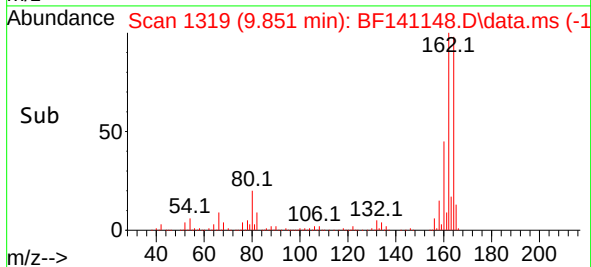
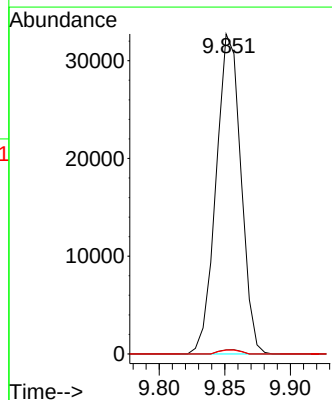
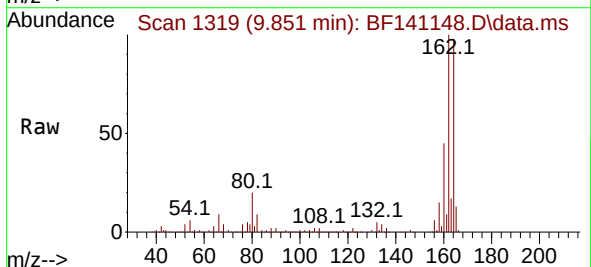
Tgt Ion:165 Resp: 43083

Ion Ratio Lower Upper

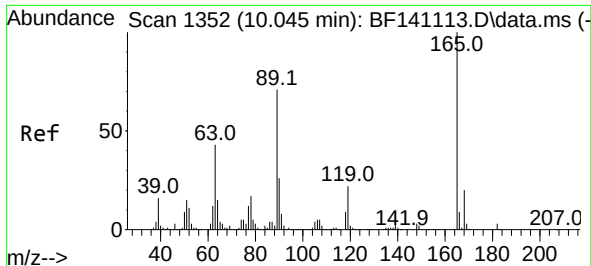
165 100

63 1.3 42.3 63.5#

89 1.2 43.1 64.7#

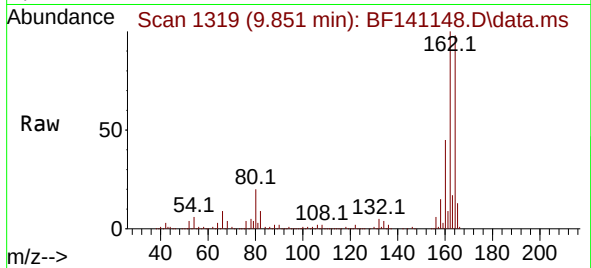




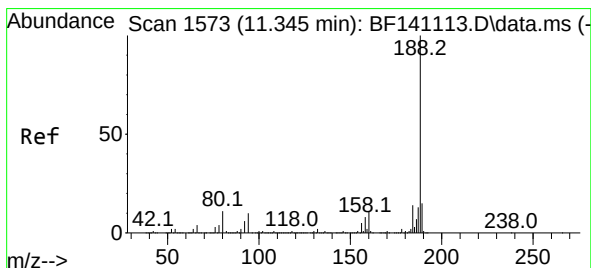
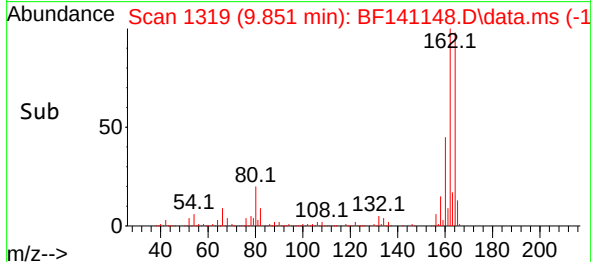
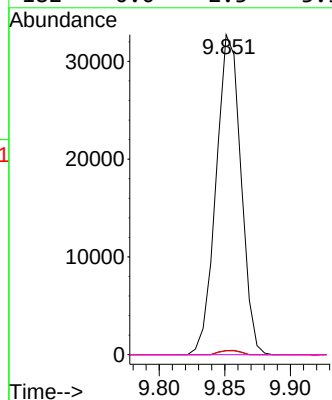


#57  
2,4-Dinitrotoluene  
Concen: 6.446 ng  
RT: 9.851 min Scan# 11  
Delta R.T. -0.194 min  
Lab File: BF141148.D  
Acq: 14 Jan 2025 16:27

Instrument :  
BNA\_F  
ClientSampleId :  
HACKENSACK-DGA

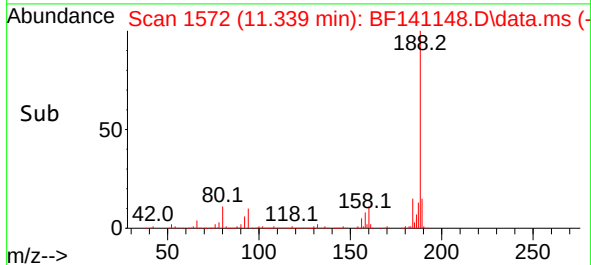
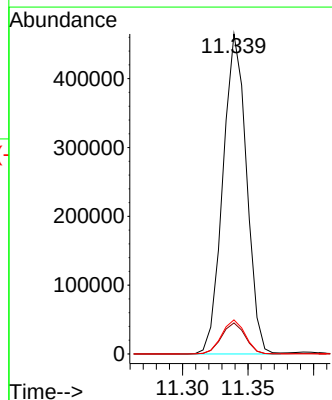
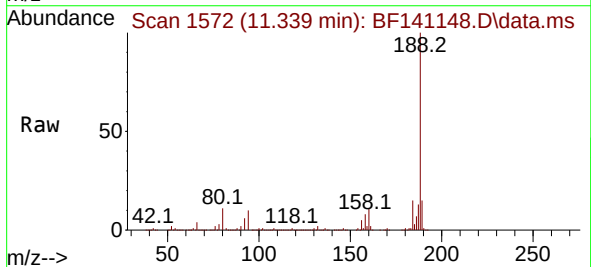


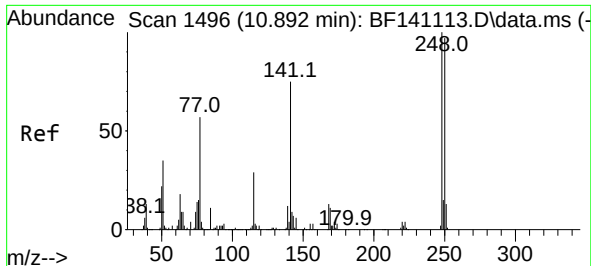
Tgt Ion:165 Resp: 43083  
Ion Ratio Lower Upper  
165 100  
63 1.3 35.0 52.4#  
89 1.2 56.7 85.1#  
182 0.0 2.3 3.5#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.339 min Scan# 1572  
Delta R.T. -0.006 min  
Lab File: BF141148.D  
Acq: 14 Jan 2025 16:27

Tgt Ion:188 Resp: 582623  
Ion Ratio Lower Upper  
188 100  
94 9.7 8.3 12.5  
80 10.7 9.0 13.4

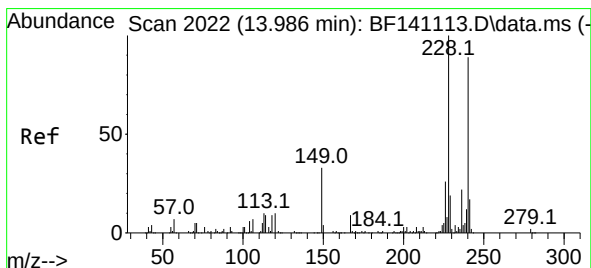
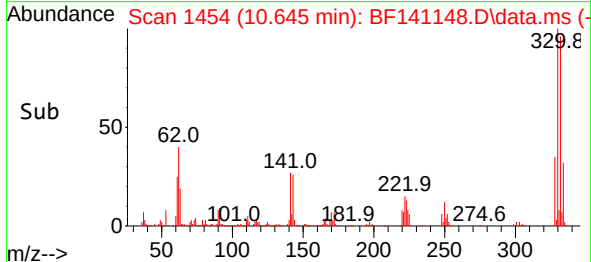
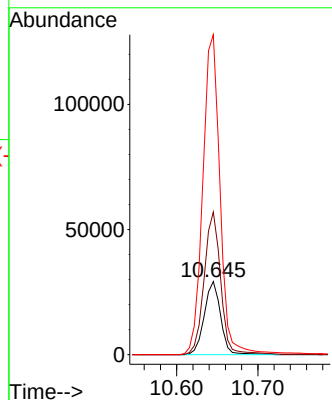
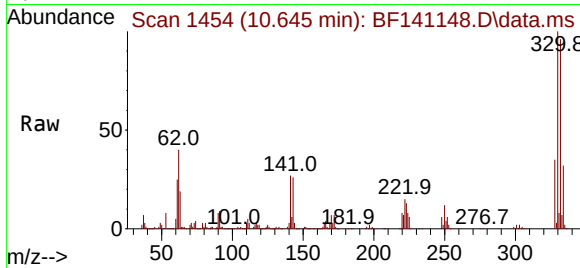




#67  
4-Bromophenyl-phenylether  
Concen: 6.093 ng  
RT: 10.645 min Scan# 1496  
Delta R.T. -0.247 min  
Lab File: BF141148.D  
Acq: 14 Jan 2025 16:27

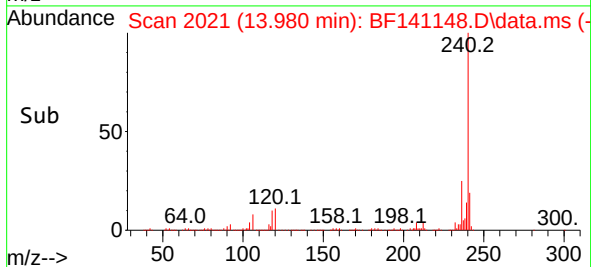
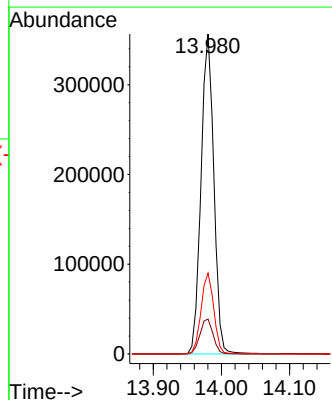
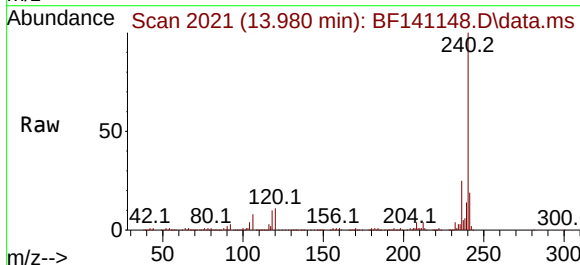
Instrument :  
BNA\_F  
ClientSampleId :  
HACKENSACK-DGA

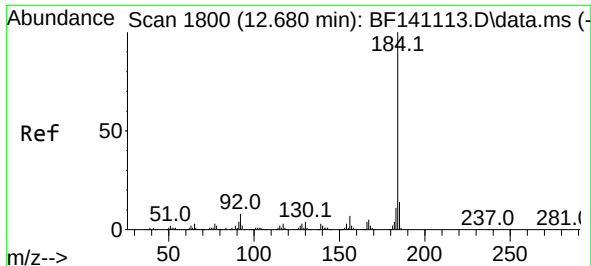
Tgt Ion:248 Resp: 40870  
Ion Ratio Lower Upper  
248 100  
250 195.0 77.9 116.9#  
141 437.4 59.9 89.9#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.980 min Scan# 2021  
Delta R.T. -0.006 min  
Lab File: BF141148.D  
Acq: 14 Jan 2025 16:27

Tgt Ion:240 Resp: 465306  
Ion Ratio Lower Upper  
240 100  
120 10.9 9.1 13.7  
236 25.3 19.8 29.6

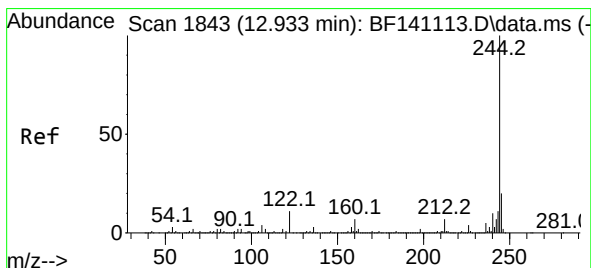
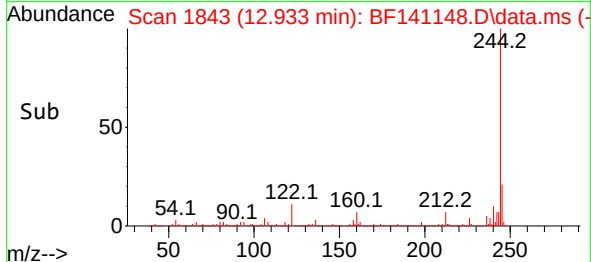
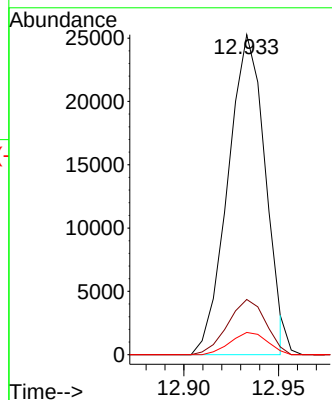
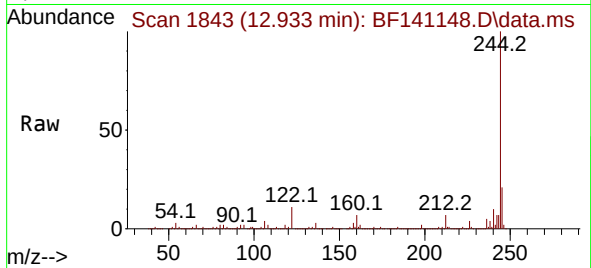




#77  
Benzidine  
Concen: 4.008 ng  
RT: 12.933 min Scan# 1843  
Delta R.T. 0.253 min  
Lab File: BF141148.D  
Acq: 14 Jan 2025 16:27

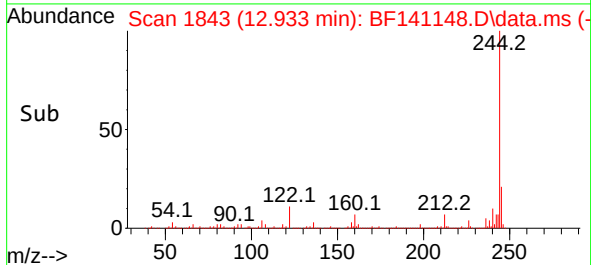
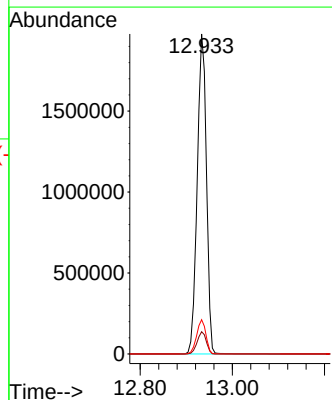
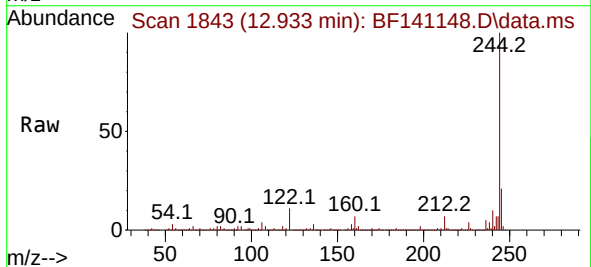
Instrument :  
BNA\_F  
ClientSampleId :  
HACKENSACK-DGA

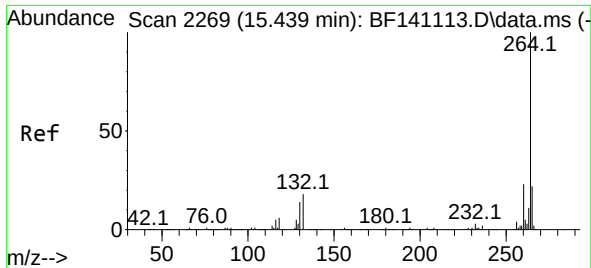
Tgt Ion:184 Resp: 34580  
Ion Ratio Lower Upper  
184 100  
185 17.3 11.4 17.0#  
183 7.0 9.2 13.8#



#79  
Terphenyl-d14  
Concen: 87.351 ng  
RT: 12.933 min Scan# 1843  
Delta R.T. -0.000 min  
Lab File: BF141148.D  
Acq: 14 Jan 2025 16:27

Tgt Ion:244 Resp: 2734636  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.4 8.2  
122 10.7 8.8 13.2





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.445 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: BF141148.D  
 Acq: 14 Jan 2025 16:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HACKENSACK-DGA

Tgt Ion:264 Resp: 370943  
 Ion Ratio Lower Upper  
 264 100  
 260 23.0 18.6 28.0  
 265 21.2 17.4 26.0

