

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070623\  
 Data File : BF134114.D  
 Acq On : 07 Jul 2023 00:47  
 Operator : CG\JU  
 Sample : 03375-09  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 07 01:34:46 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 30 18:35:29 2023  
 Response via : Initial Calibration

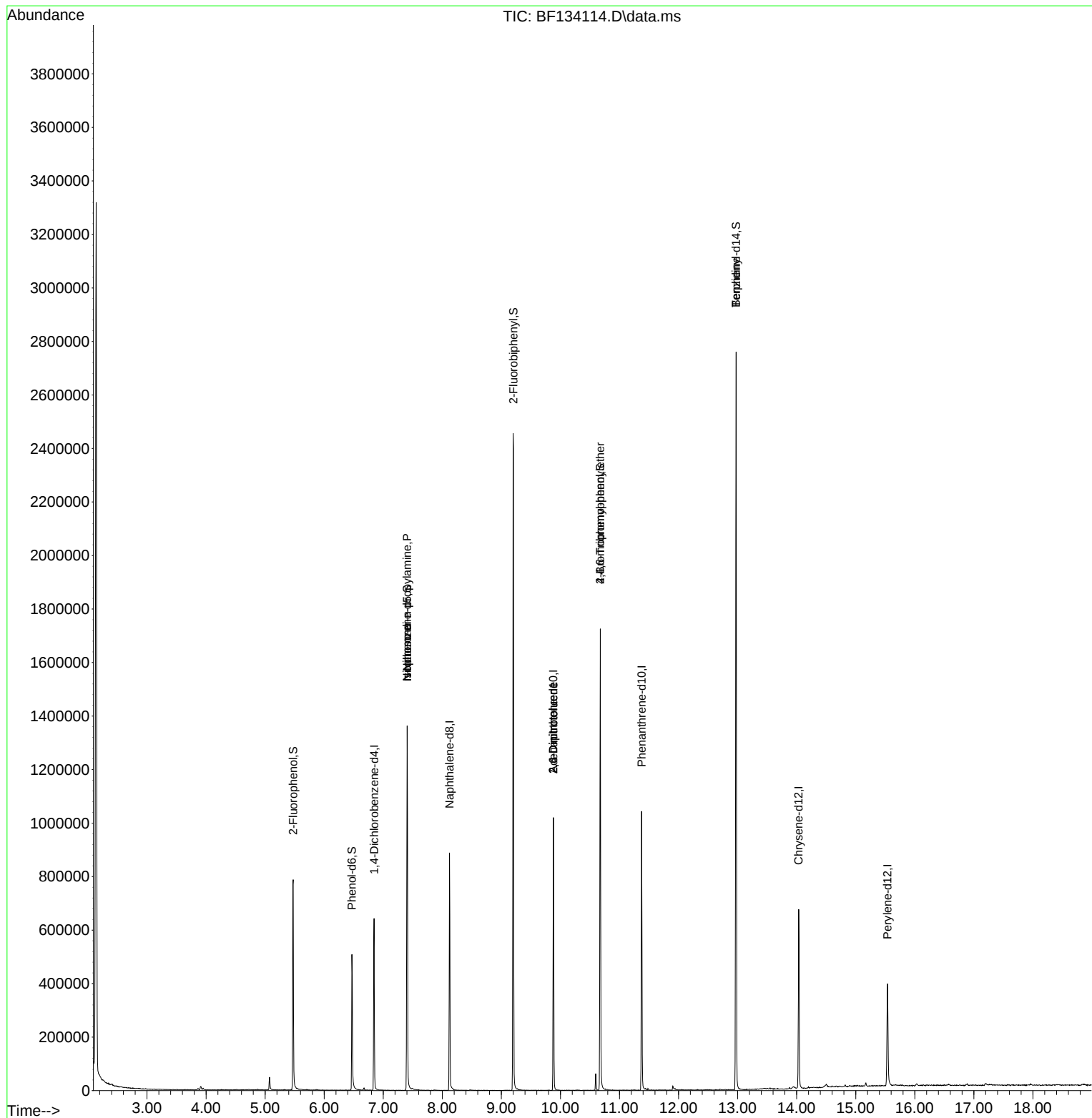
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.845  | 152  | 95498    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 375465   | 20.000    | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.880  | 164  | 185568   | 20.000    | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.374 | 188  | 367228   | 20.000    | ng    | -0.01    |
| 76) Chrysene-d12              | 14.033 | 240  | 233867   | 20.000    | ng    | #-0.02   |
| 86) Perylene-d12              | 15.539 | 264  | 194677   | 20.000    | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 220089   | 38.551    | ng    | -0.01    |
| 7) Phenol-d6                  | 6.469  | 99   | 160968   | 22.927    | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 414879   | 59.564    | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.675 | 330  | 197853   | 85.038    | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 773222   | 60.581    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.974 | 244  | 962723   | 66.252    | ng    | -0.01    |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.445  | 77   | 59       | Below Cal | #     | 24       |
| 19) n-Nitroso-di-n-propyla... | 7.404  | 70   | 58662    | 13.175    | ng    | # 77     |
| 25) Isophorone                | 7.404  | 82   | 414918   | 32.777    | ng    | # 64     |
| 51) 2,6-Dinitrotoluene        | 9.880  | 165  | 24404    | 8.411     | ng    | # 24     |
| 57) 2,4-Dinitrotoluene        | 9.880  | 165  | 24404    | 6.369     | ng    | # 22     |
| 67) 4-Bromophenyl-phenylether | 10.675 | 248  | 12601    | 3.228     | ng    | # 1      |
| 77) Benzidine                 | 12.974 | 184  | 13616    | 2.447     | ng    | # 93     |
| -----                         |        |      |          |           |       |          |

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

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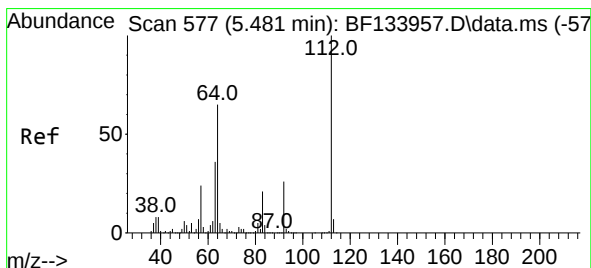
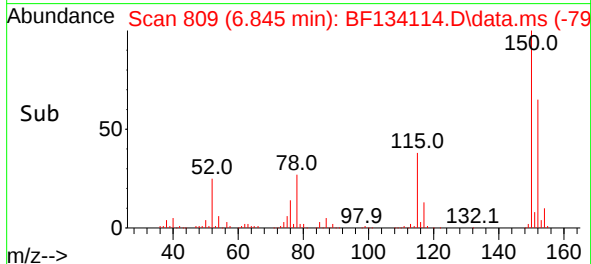
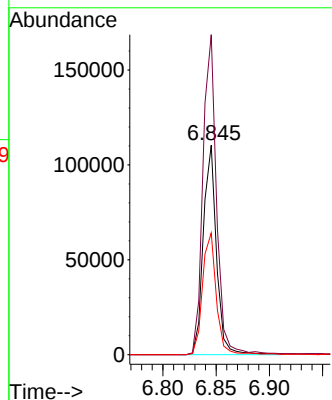
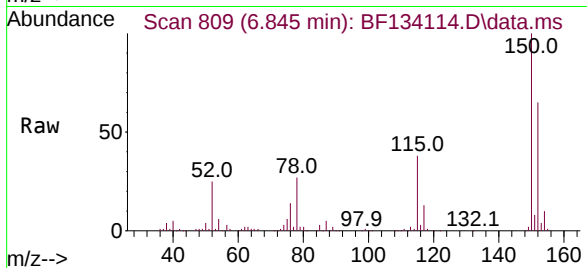




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.845 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF134114.D  
Acq: 07 Jul 2023 00:47

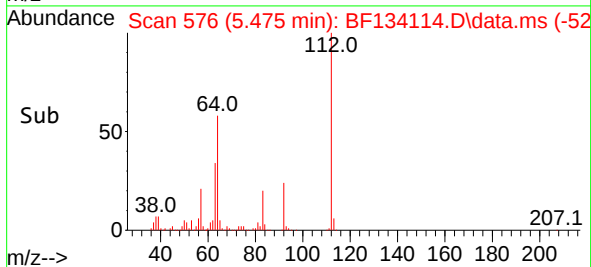
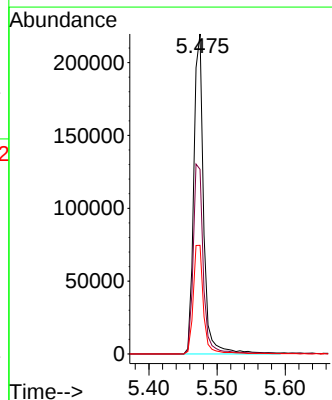
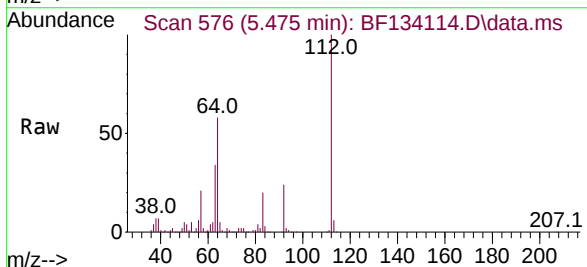
Instrument :  
BNA\_F  
ClientSampleId :

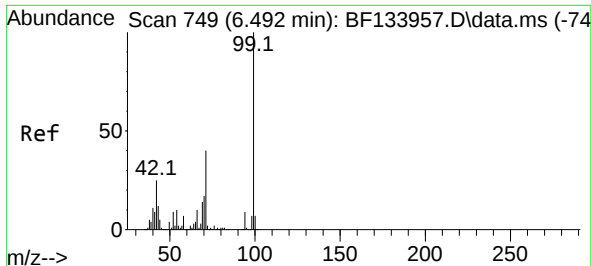
Tgt Ion:152 Resp: 95498  
Ion Ratio Lower Upper  
152 100  
150 152.8 124.5 186.7  
115 58.1 50.2 75.2



#5  
2-Fluorophenol  
Concen: 38.551 ng  
RT: 5.475 min Scan# 576  
Delta R.T. -0.012 min  
Lab File: BF134114.D  
Acq: 07 Jul 2023 00:47

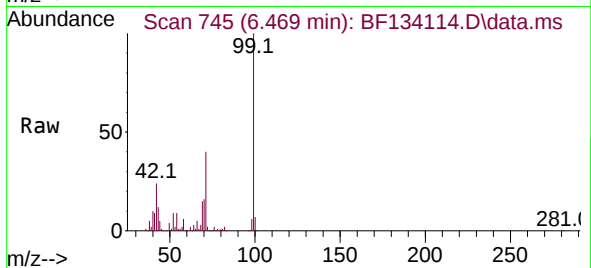
Tgt Ion:112 Resp: 220089  
Ion Ratio Lower Upper  
112 100  
64 57.7 52.1 78.1  
63 33.9 28.6 42.8



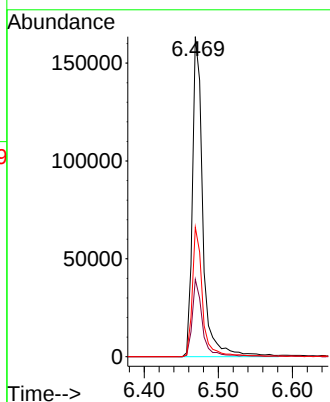
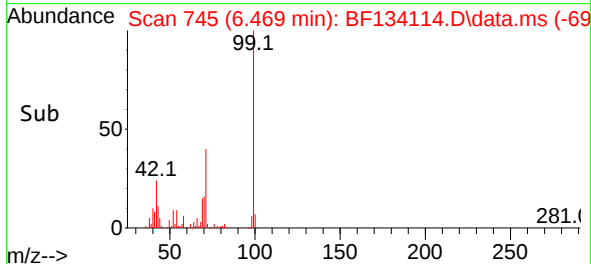


#7  
Phenol-d6  
Concen: 22.927 ng  
RT: 6.469 min Scan# 749  
Delta R.T. -0.024 min  
Lab File: BF134114.D  
Acq: 07 Jul 2023 00:47

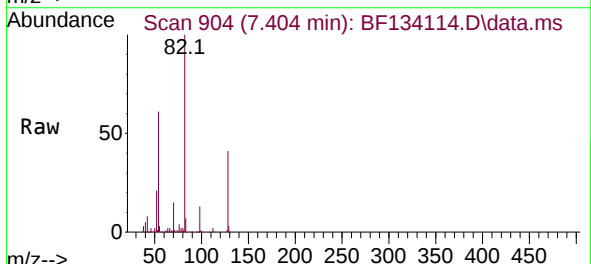
Instrument :  
BNA\_F  
ClientSampleId :



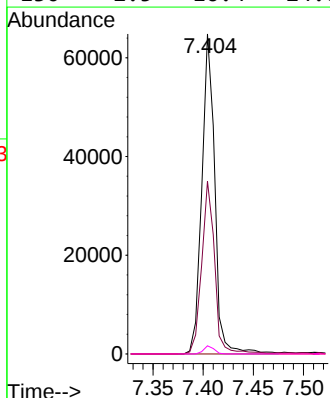
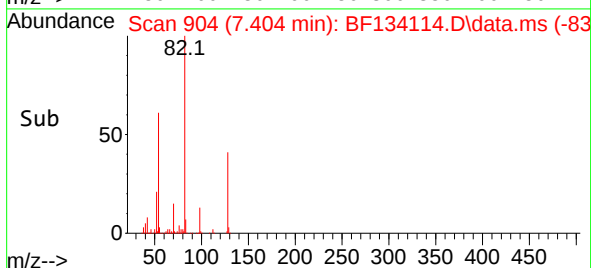
Tgt Ion: 99 Resp: 160968  
Ion Ratio Lower Upper  
99 100  
42 24.1 19.8 29.6  
71 40.4 31.9 47.9

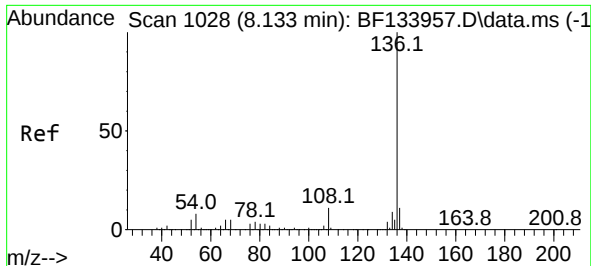


#19  
n-Nitroso-di-n-propylamine  
Concen: 13.175 ng  
RT: 7.404 min Scan# 904  
Delta R.T. 0.135 min  
Lab File: BF134114.D  
Acq: 07 Jul 2023 00:47



Tgt Ion: 70 Resp: 58662  
Ion Ratio Lower Upper  
70 100  
42 54.0 54.7 82.1#  
101 0.0 7.7 11.5#  
130 2.5 16.4 24.6#



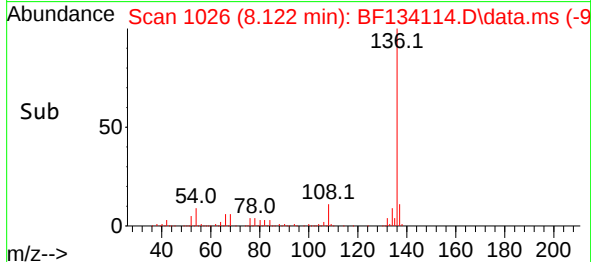
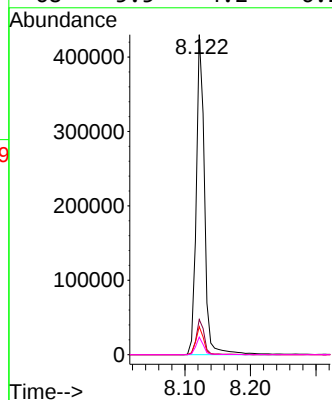
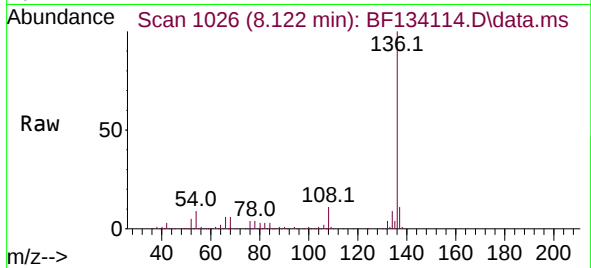


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 1026  
Delta R.T. -0.012 min  
Lab File: BF134114.D  
Acq: 07 Jul 2023 00:47

Instrument :  
BNA\_F  
ClientSampleId :

Tgt Ion:136 Resp: 375465

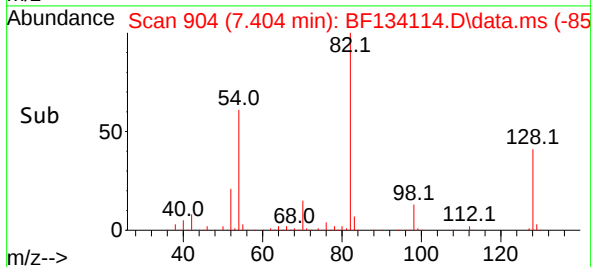
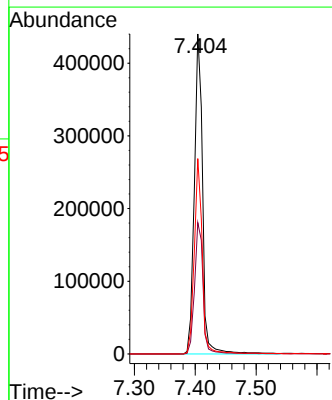
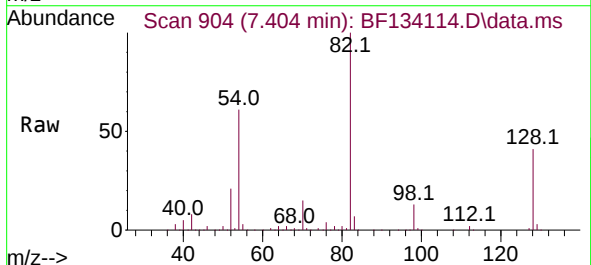
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.6   | 12.8  |
| 54  | 8.7   | 6.5   | 9.7   |
| 68  | 5.5   | 4.2   | 6.2   |



#23  
Nitrobenzene-d5  
Concen: 59.564 ng  
RT: 7.404 min Scan# 904  
Delta R.T. -0.018 min  
Lab File: BF134114.D  
Acq: 07 Jul 2023 00:47

Tgt Ion: 82 Resp: 414879

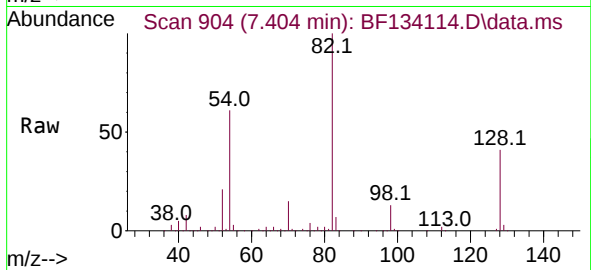
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 41.1  | 32.5  | 48.7  |
| 54  | 61.1  | 48.2  | 72.2  |



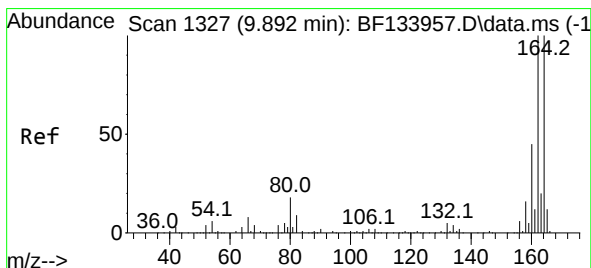
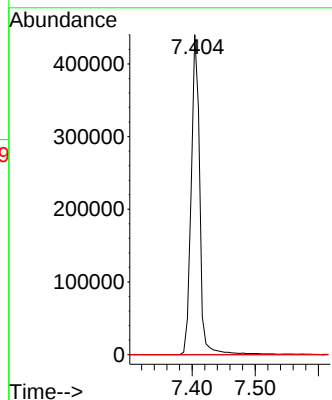
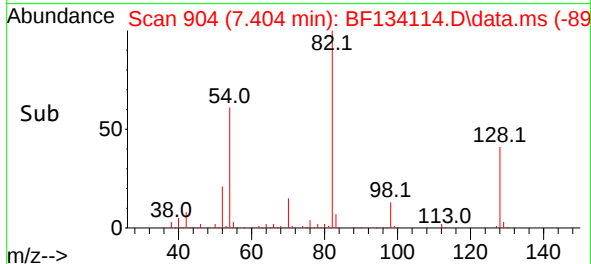


#25  
Isophorone  
Concen: 32.777 ng  
RT: 7.404 min Scan# 90  
Delta R.T. -0.271 min  
Lab File: BF134114.D  
Acq: 07 Jul 2023 00:47

Instrument :  
BNA\_F  
ClientSampleId :

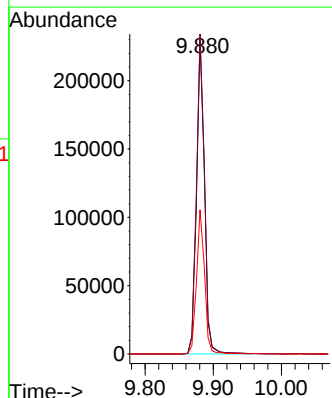
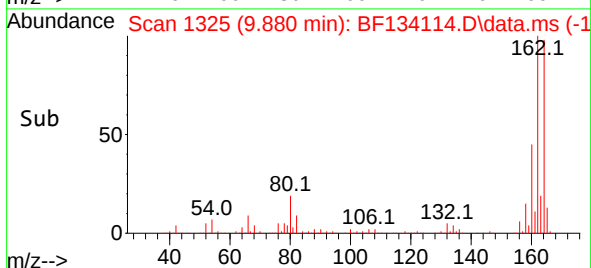
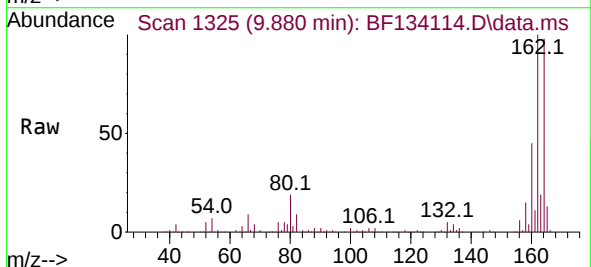


Tgt Ion: 82 Resp: 414918  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.1 9.1#  
138 0.0 15.2 22.8#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.880 min Scan# 1325  
Delta R.T. -0.012 min  
Lab File: BF134114.D  
Acq: 07 Jul 2023 00:47

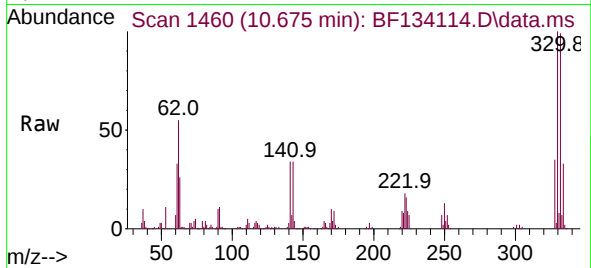
Tgt Ion:164 Resp: 185568  
Ion Ratio Lower Upper  
164 100  
162 101.8 80.0 120.0  
160 45.8 35.9 53.9



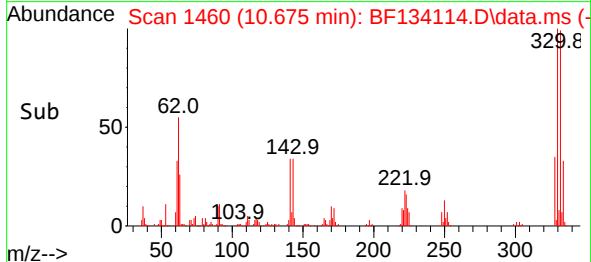
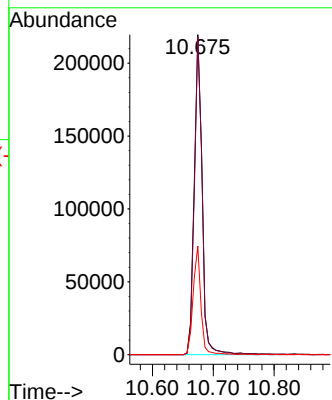


#42  
2,4,6-Tribromophenol  
Concen: 85.038 ng  
RT: 10.675 min Scan# 1460  
Delta R.T. -0.012 min  
Lab File: BF134114.D  
Acq: 07 Jul 2023 00:47

Instrument :  
BNA\_F  
ClientSampleId :

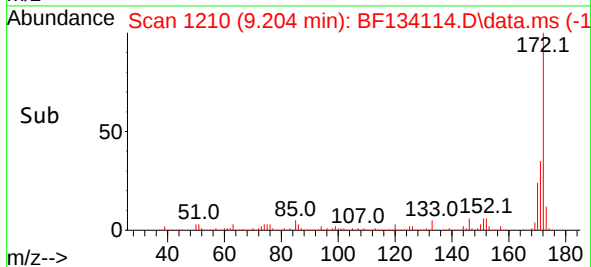
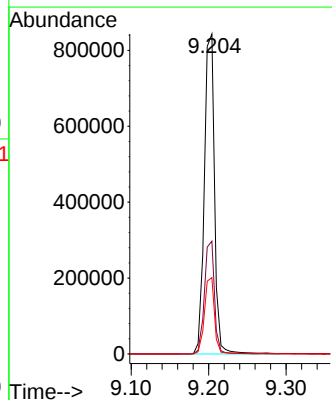
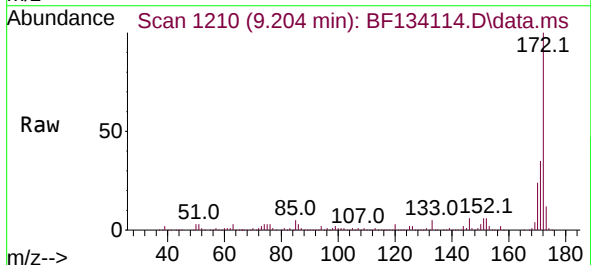


Tgt Ion: 330 Resp: 197853  
Ion Ratio Lower Upper  
330 100  
332 97.5 77.0 115.6  
141 33.0 26.3 39.5



#45  
2-Fluorobiphenyl  
Concen: 60.581 ng  
RT: 9.204 min Scan# 1210  
Delta R.T. -0.006 min  
Lab File: BF134114.D  
Acq: 07 Jul 2023 00:47

Tgt Ion: 172 Resp: 773222  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.6 43.0  
170 23.9 19.4 29.0

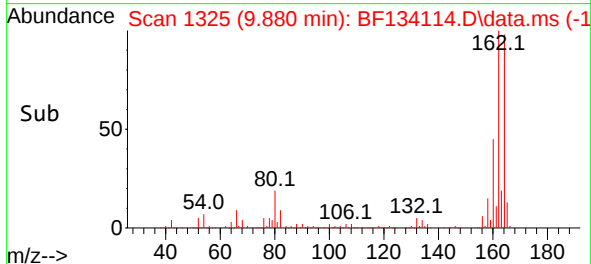
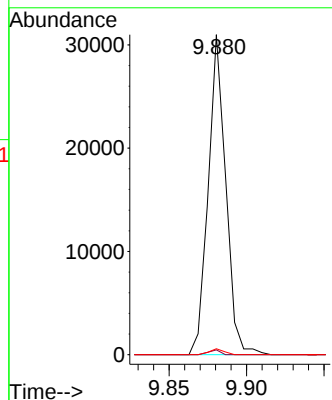
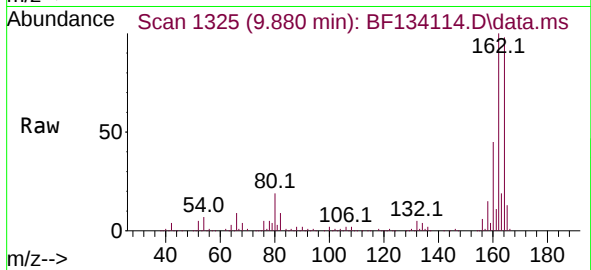




#51  
2,6-Dinitrotoluene  
Concen: 8.411 ng  
RT: 9.880 min Scan# 11  
Delta R.T. 0.200 min  
Lab File: BF134114.D  
Acq: 07 Jul 2023 00:47

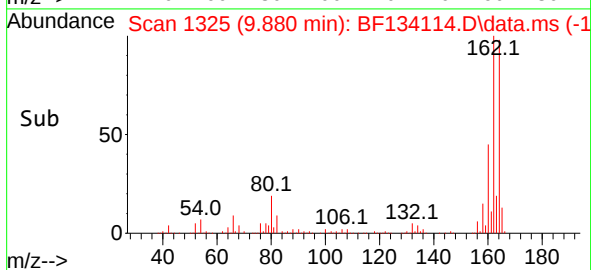
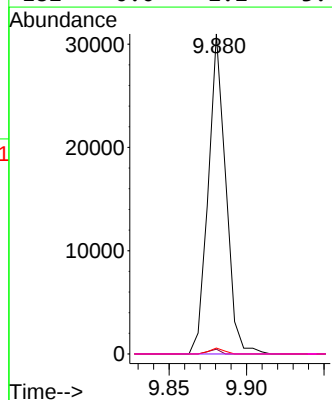
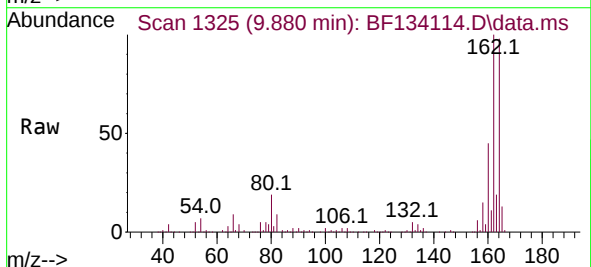
Instrument :  
BNA\_F  
ClientSampleId :

Tgt Ion:165 Resp: 24404  
Ion Ratio Lower Upper  
165 100  
63 1.5 48.5 72.7#  
89 1.8 45.5 68.3#



#57  
2,4-Dinitrotoluene  
Concen: 6.369 ng  
RT: 9.880 min Scan# 1325  
Delta R.T. -0.206 min  
Lab File: BF134114.D  
Acq: 07 Jul 2023 00:47

Tgt Ion:165 Resp: 24404  
Ion Ratio Lower Upper  
165 100  
63 1.5 42.2 63.2#  
89 1.8 57.4 86.2#  
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134114.D

Acq: 07 Jul 2023 00:47

Instrument :

BNA\_F

ClientSampleId :

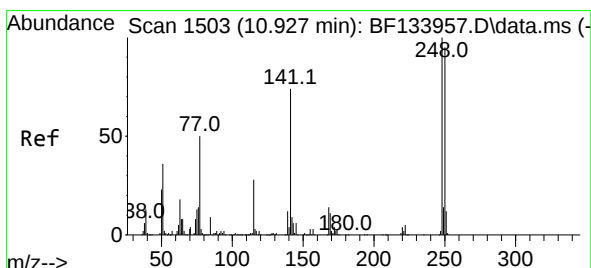
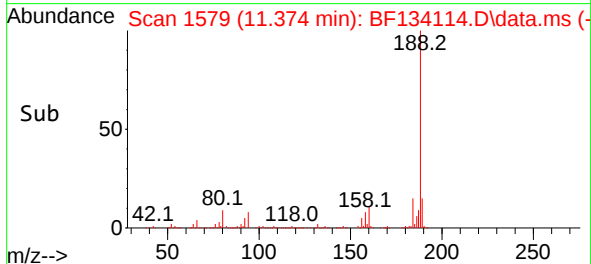
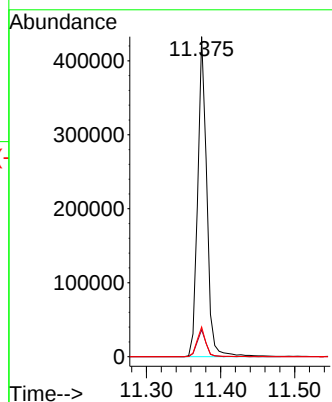
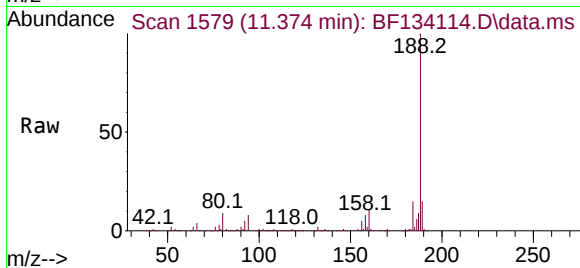
Tgt Ion:188 Resp: 367228

Ion Ratio Lower Upper

188 100

94 8.4 6.4 9.6

80 9.3 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.228 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.253 min

Lab File: BF134114.D

Acq: 07 Jul 2023 00:47

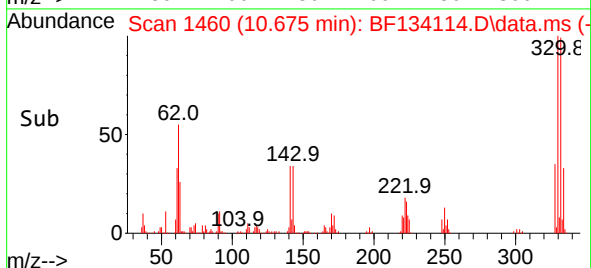
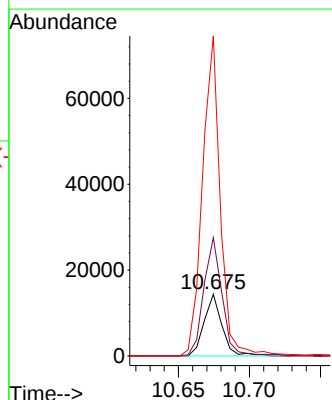
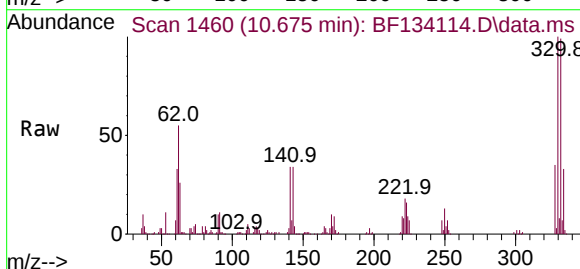
Tgt Ion:248 Resp: 12601

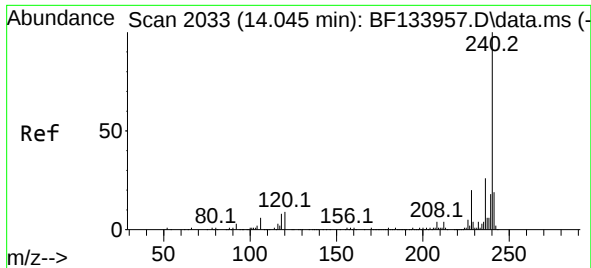
Ion Ratio Lower Upper

248 100

250 191.7 76.2 114.4#

141 518.5 59.0 88.4#

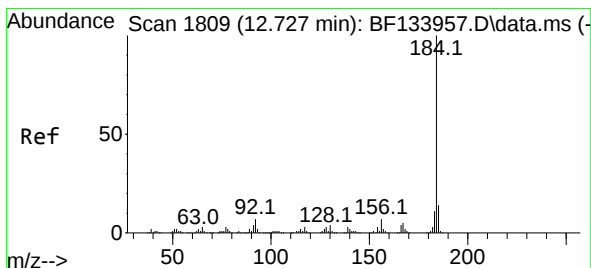
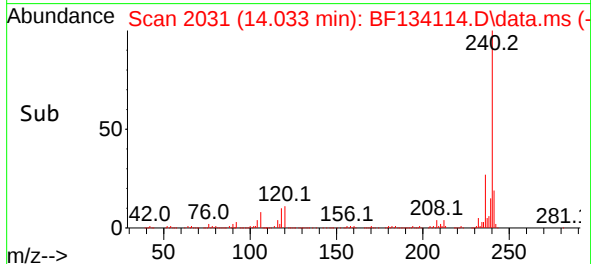
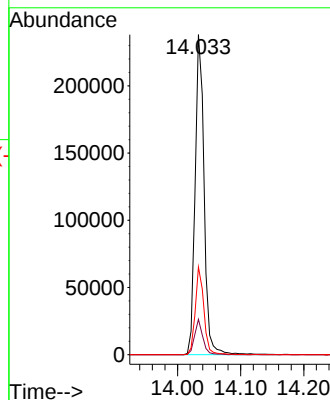
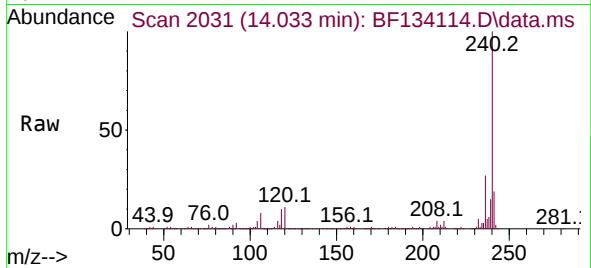




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.033 min Scan# 2033  
Delta R.T. -0.018 min  
Lab File: BF134114.D  
Acq: 07 Jul 2023 00:47

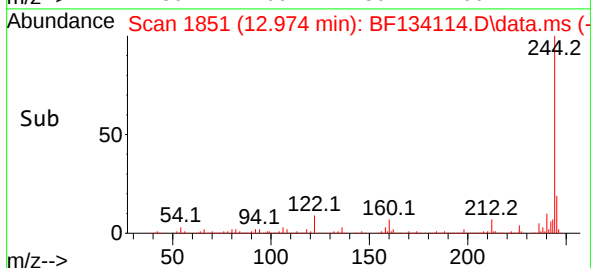
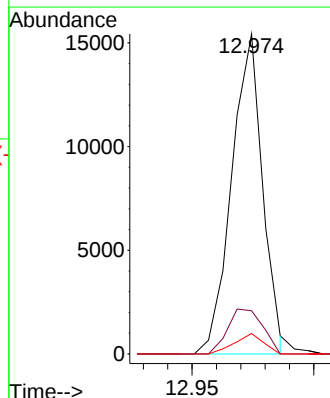
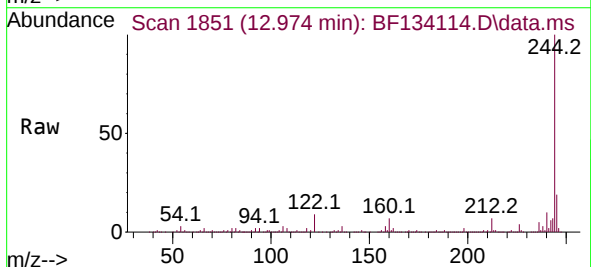
Instrument :  
BNA\_F  
ClientSampleId :

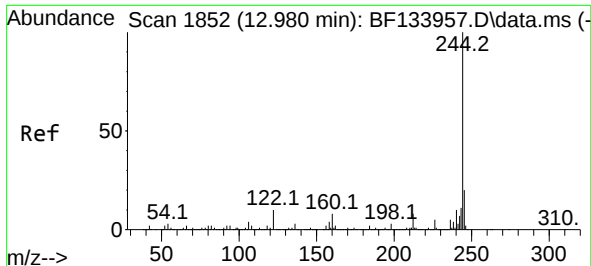
Tgt Ion:240 Resp: 233867  
Ion Ratio Lower Upper  
240 100  
120 11.1 7.4 11.0#  
236 27.4 21.0 31.6



#77  
Benzidine  
Concen: 2.447 ng  
RT: 12.974 min Scan# 1851  
Delta R.T. 0.247 min  
Lab File: BF134114.D  
Acq: 07 Jul 2023 00:47

Tgt Ion:184 Resp: 13616  
Ion Ratio Lower Upper  
184 100  
185 13.5 11.6 17.4  
183 6.4 8.8 13.2#

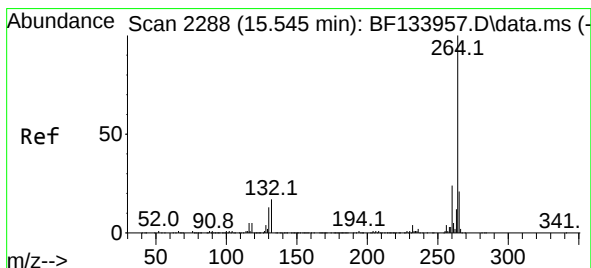
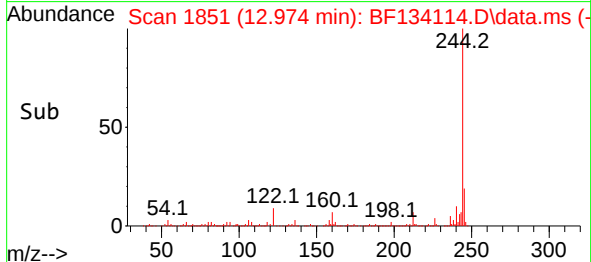
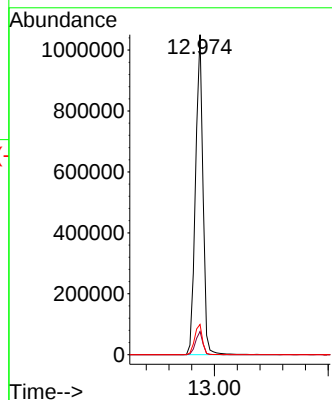
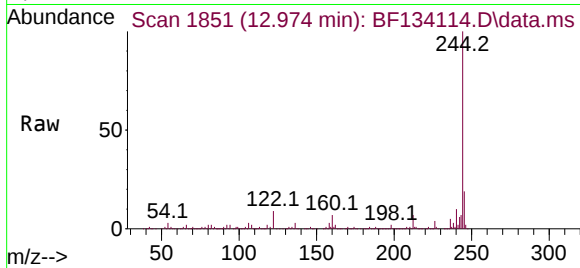




#79  
 Terphenyl-d14  
 Concen: 66.252 ng  
 RT: 12.974 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BF134114.D  
 Acq: 07 Jul 2023 00:47

Instrument :  
 BNA\_F  
 ClientSampleId :

Tgt Ion:244 Resp: 962723  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 6.0 9.0  
 122 9.5 8.3 12.5



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.539 min Scan# 2287  
 Delta R.T. -0.012 min  
 Lab File: BF134114.D  
 Acq: 07 Jul 2023 00:47

Tgt Ion:264 Resp: 194677  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 19.5 29.3  
 265 21.7 16.6 25.0

