

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101123\  
 Data File : BF135705.D  
 Acq On : 11 Oct 2023 11:01  
 Operator : CG\JU  
 Sample : PB156189BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB156189BL

Quant Time: Oct 12 00:45:54 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 11 02:43:17 2023  
 Response via : Initial Calibration

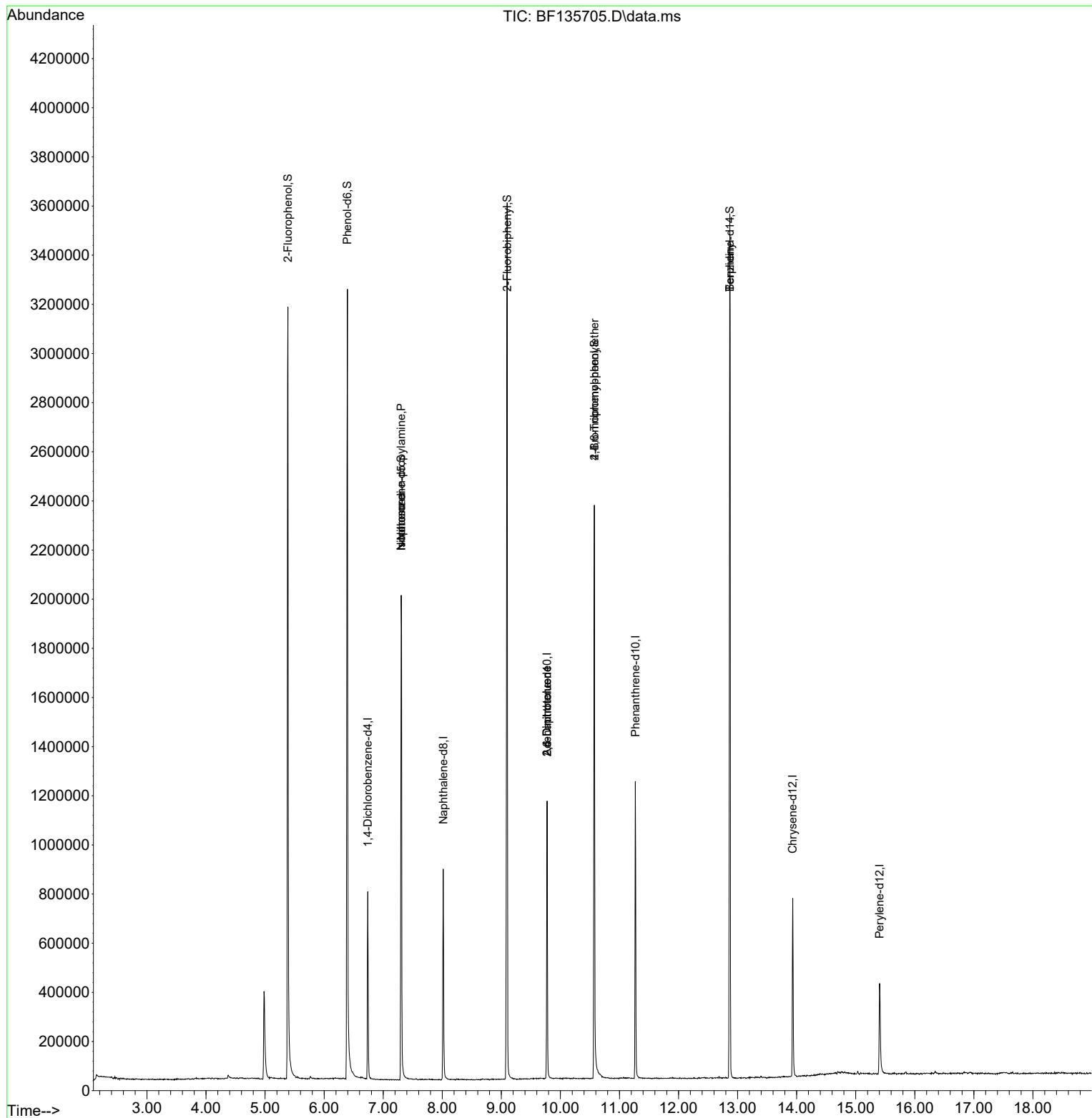
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.740  | 152  | 110549   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.016  | 136  | 412580   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.775  | 164  | 232667   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.269 | 188  | 453079   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.933 | 240  | 264838   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.404 | 264  | 206276   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.387  | 112  | 932774   | 137.234 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.393  | 99   | 1181472  | 136.701 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.304  | 82   | 709833   | 93.472  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.575 | 330  | 298800   | 129.231 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.098  | 172  | 1294831  | 83.963  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.869 | 244  | 1424183  | 83.363  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 94387    | 17.632  | ng    | # 81     |
| 25) Isophorone                | 7.304  | 82   | 709833   | 50.904  | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.775  | 165  | 29848    | 8.661   | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.775  | 165  | 29848    | 6.919   | ng    | # 19     |
| 67) 4-Bromophenyl-phenylether | 10.575 | 248  | 18859    | 4.185   | ng    | # 1      |
| 77) Benzydine                 | 12.869 | 184  | 18318    | 3.376   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

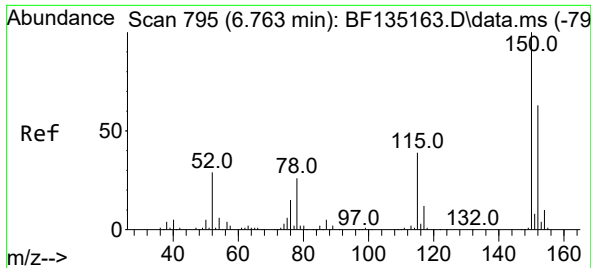
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101123\  
Data File : BF135705.D  
Acq On : 11 Oct 2023 11:01  
Operator : CG\JU  
Sample : PB156189BL  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB156189BL

Quant Time: Oct 12 00:45:54 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 11 02:43:17 2023  
Response via : Initial Calibration

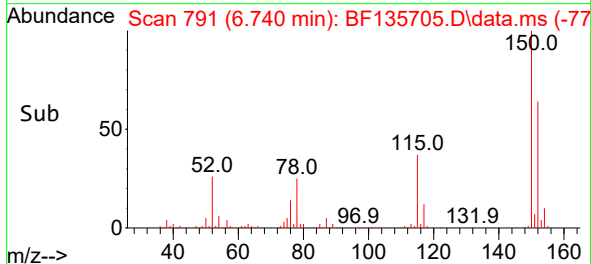
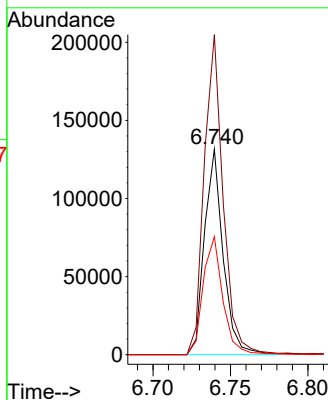
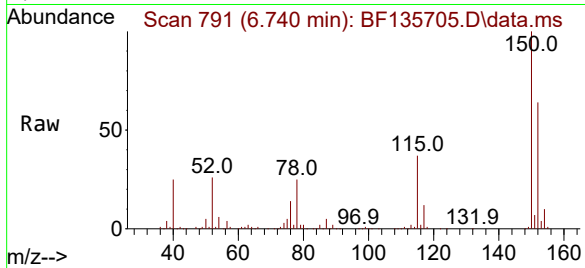




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.740 min Scan# 795  
Delta R.T. 0.001 min  
Lab File: BF135705.D  
Acq: 11 Oct 2023 11:01

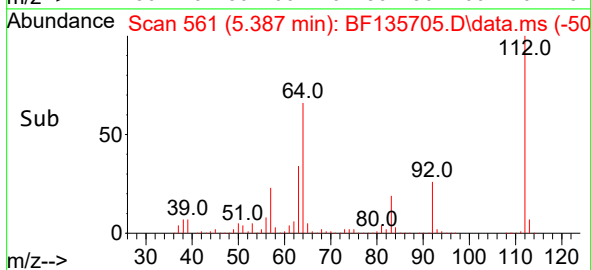
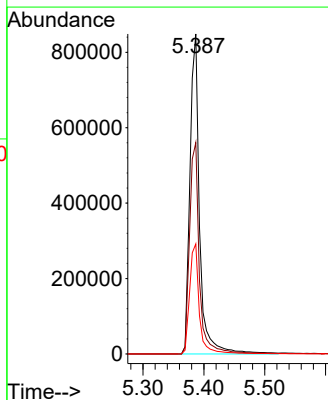
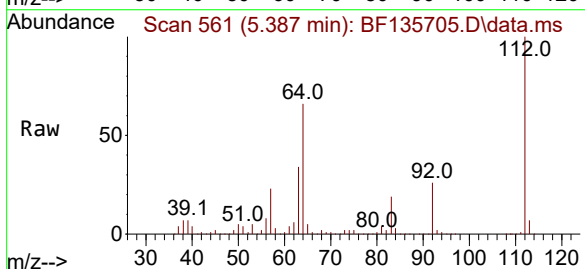
Instrument :  
BNA\_F  
ClientSampleId :  
PB156189BL

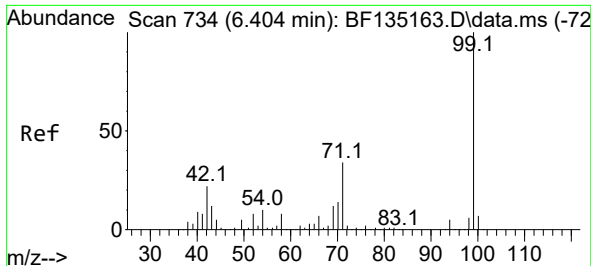
Tgt Ion:152 Resp: 110549  
Ion Ratio Lower Upper  
152 100  
150 155.8 127.8 191.6  
115 57.4 49.8 74.8



#5  
2-Fluorophenol  
Concen: 137.234 ng  
RT: 5.387 min Scan# 561  
Delta R.T. 0.018 min  
Lab File: BF135705.D  
Acq: 11 Oct 2023 11:01

Tgt Ion:112 Resp: 932774  
Ion Ratio Lower Upper  
112 100  
64 66.0 55.9 83.9  
63 34.4 29.0 43.6

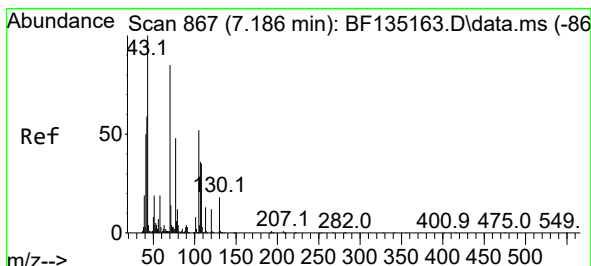
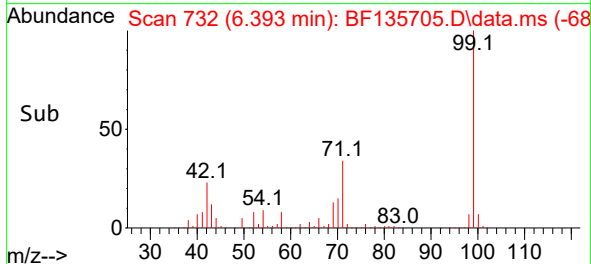
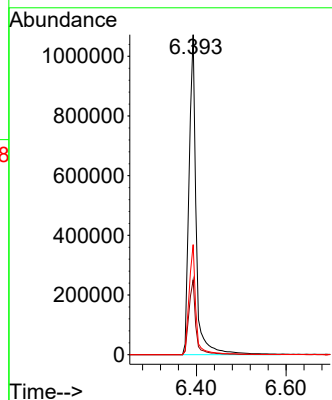
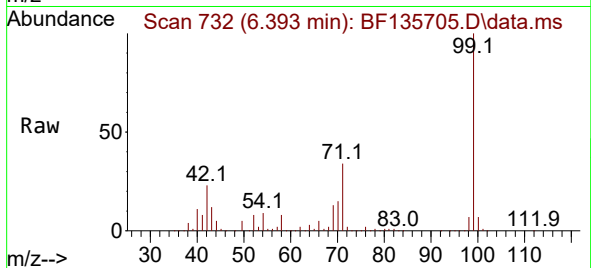




#7  
Phenol-d6  
Concen: 136.701 ng  
RT: 6.393 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF135705.D  
Acq: 11 Oct 2023 11:01

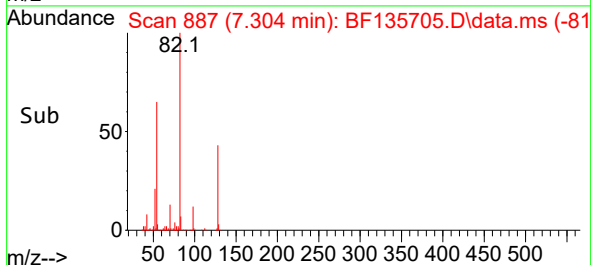
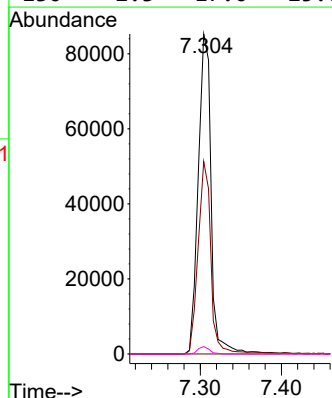
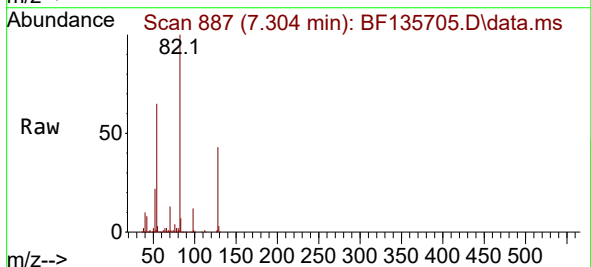
Instrument :  
BNA\_F  
ClientSampleId :  
PB156189BL

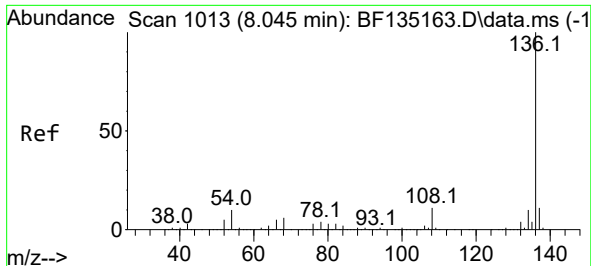
Tgt Ion: 99 Resp: 1181472  
Ion Ratio Lower Upper  
99 100  
42 23.4 17.9 26.9  
71 34.4 27.0 40.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 17.632 ng  
RT: 7.304 min Scan# 887  
Delta R.T. 0.147 min  
Lab File: BF135705.D  
Acq: 11 Oct 2023 11:01

Tgt Ion: 70 Resp: 94387  
Ion Ratio Lower Upper  
70 100  
42 60.1 55.4 83.0  
101 0.0 7.7 11.5#  
130 2.3 17.0 25.6#

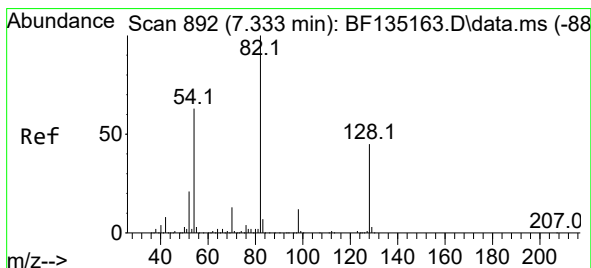
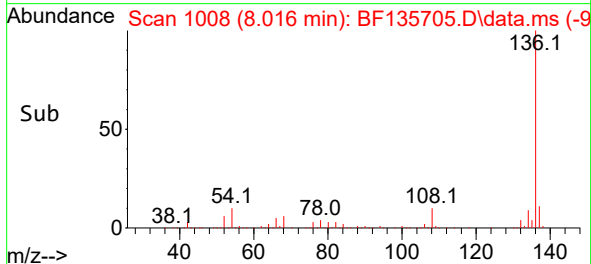
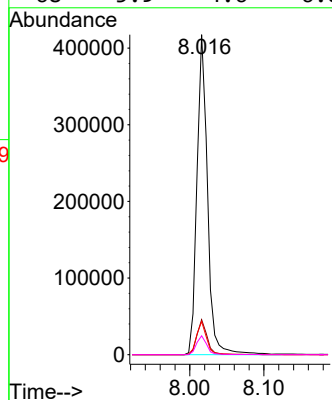
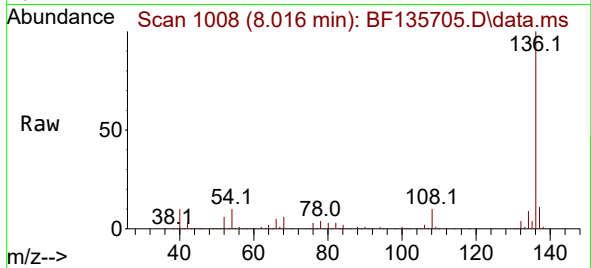




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.016 min Scan# 1013  
Delta R.T. -0.006 min  
Lab File: BF135705.D  
Acq: 11 Oct 2023 11:01

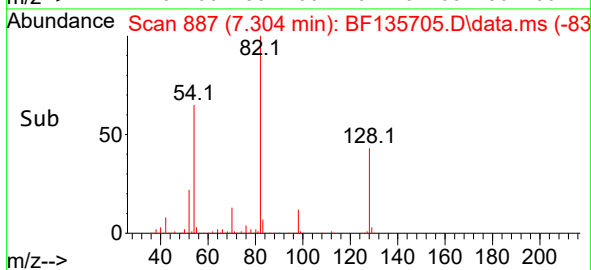
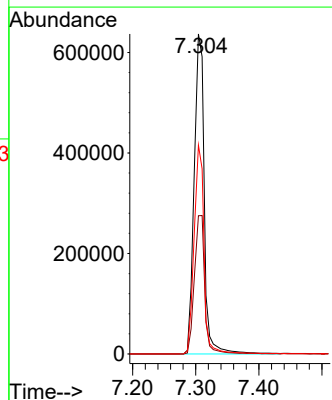
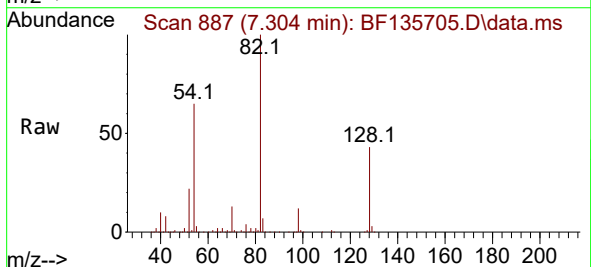
Instrument :  
BNA\_F  
ClientSampleId :  
PB156189BL

Tgt Ion:136 Resp: 412580  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 10.4 7.7 11.5  
68 5.9 4.6 6.8



#23  
Nitrobenzene-d5  
Concen: 93.472 ng  
RT: 7.304 min Scan# 887  
Delta R.T. -0.006 min  
Lab File: BF135705.D  
Acq: 11 Oct 2023 11:01

Tgt Ion: 82 Resp: 709833  
Ion Ratio Lower Upper  
82 100  
128 43.2 35.8 53.6  
54 65.2 50.6 76.0

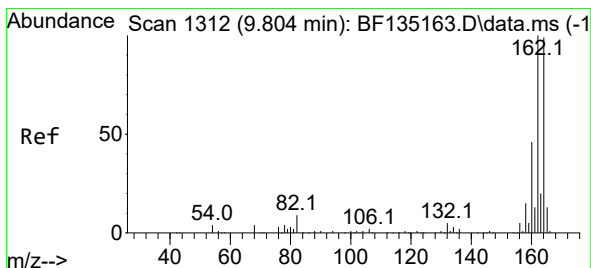
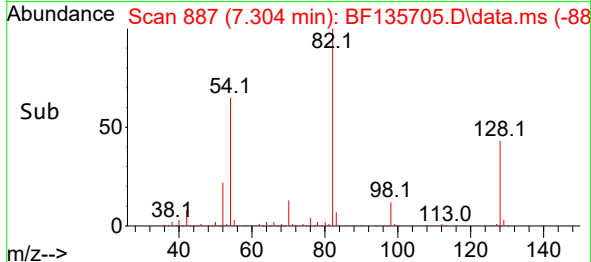
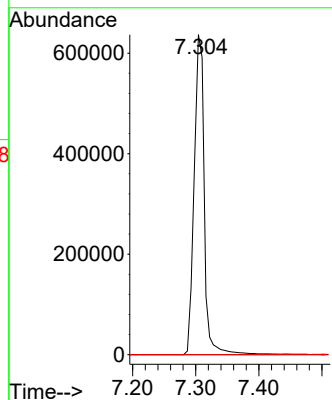
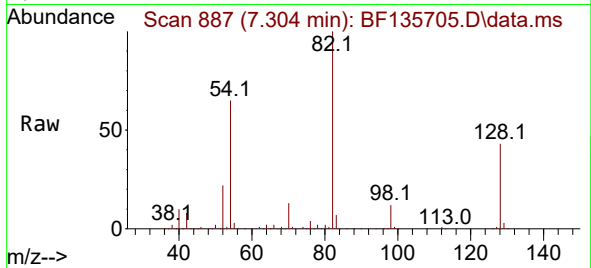




#25  
Isophorone  
Concen: 50.904 ng  
RT: 7.304 min Scan# 81  
Delta R.T. -0.259 min  
Lab File: BF135705.D  
Acq: 11 Oct 2023 11:01

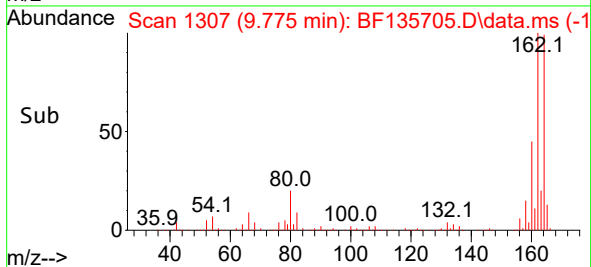
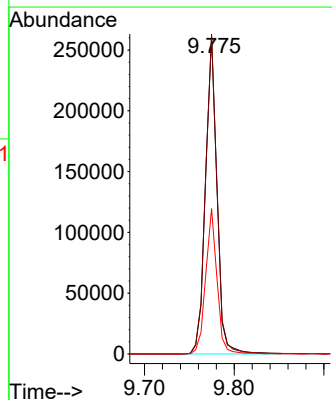
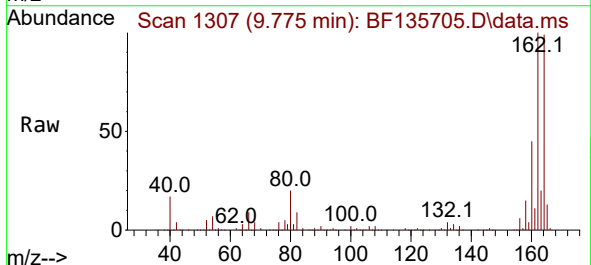
Instrument :  
BNA\_F  
ClientSampleId :  
PB156189BL

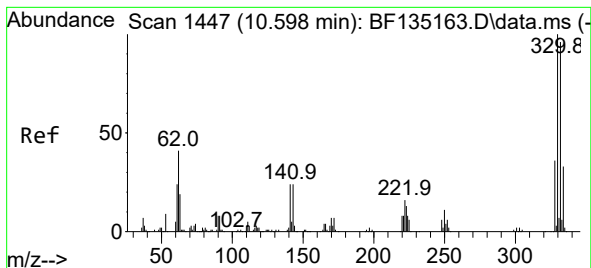
Tgt Ion: 82 Resp: 709833  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.775 min Scan# 1307  
Delta R.T. -0.006 min  
Lab File: BF135705.D  
Acq: 11 Oct 2023 11:01

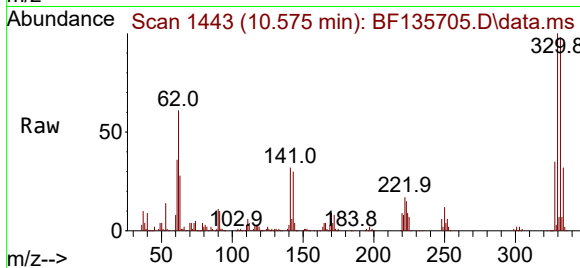
Tgt Ion:164 Resp: 232667  
Ion Ratio Lower Upper  
164 100  
162 100.6 81.0 121.4  
160 45.7 37.0 55.4



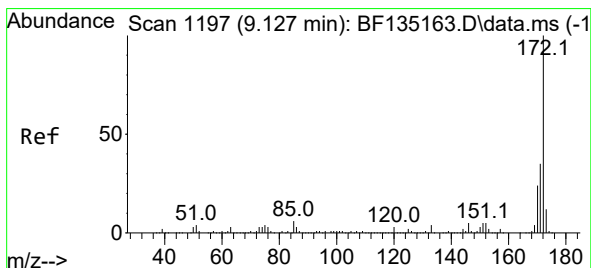
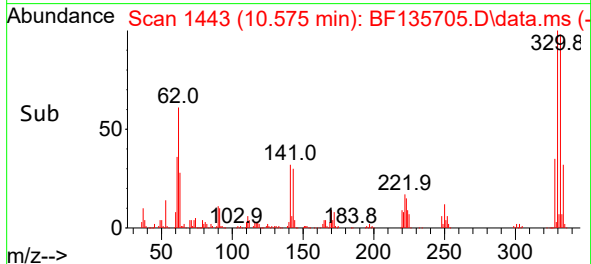
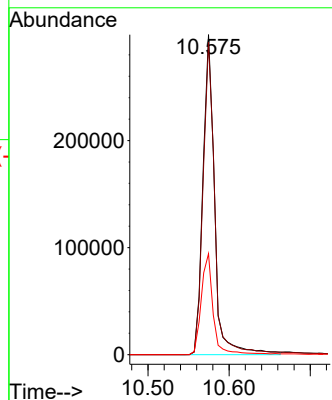


#42  
2,4,6-Tribromophenol  
Concen: 129.231 ng  
RT: 10.575 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: BF135705.D  
Acq: 11 Oct 2023 11:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB156189BL

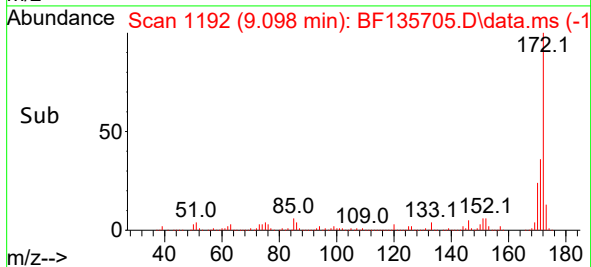
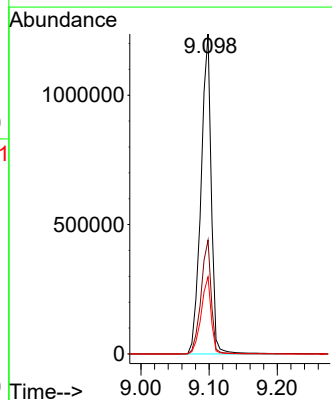
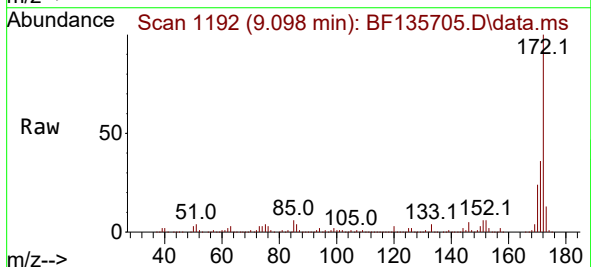


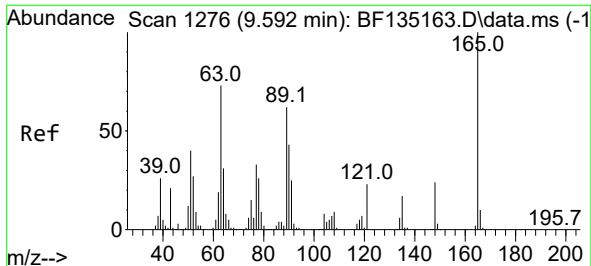
Tgt Ion:330 Resp: 298800  
Ion Ratio Lower Upper  
330 100  
332 99.9 77.3 115.9  
141 32.9 25.8 38.8



#45  
2-Fluorobiphenyl  
Concen: 83.963 ng  
RT: 9.098 min Scan# 1192  
Delta R.T. 0.000 min  
Lab File: BF135705.D  
Acq: 11 Oct 2023 11:01

Tgt Ion:172 Resp: 1294831  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.4 42.6  
170 24.1 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 8.661 ng

RT: 9.775 min Scan# 1

Delta R.T. 0.194 min

Lab File: BF135705.D

Acq: 11 Oct 2023 11:01

Instrument :

BNA\_F

ClientSampleId :

PB156189BL

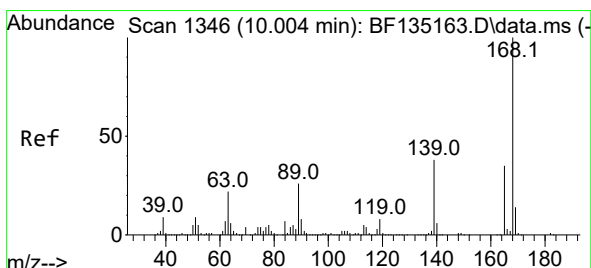
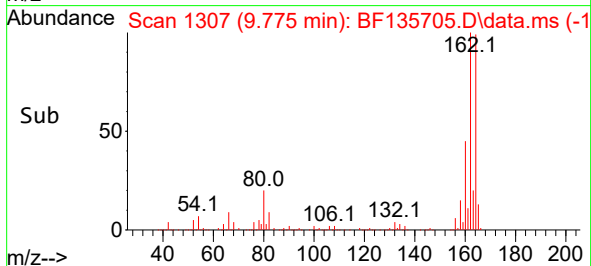
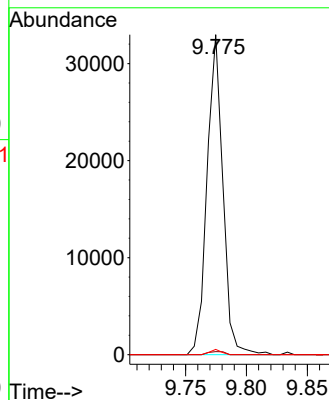
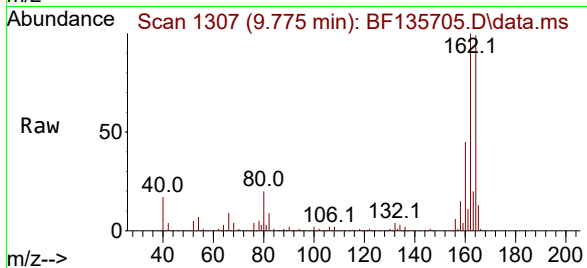
Tgt Ion:165 Resp: 29848

Ion Ratio Lower Upper

165 100

63 1.0 59.4 89.2#

89 1.6 49.8 74.8#



#57

2,4-Dinitrotoluene

Concen: 6.919 ng

RT: 9.775 min Scan# 1307

Delta R.T. -0.217 min

Lab File: BF135705.D

Acq: 11 Oct 2023 11:01

Tgt Ion:165 Resp: 29848

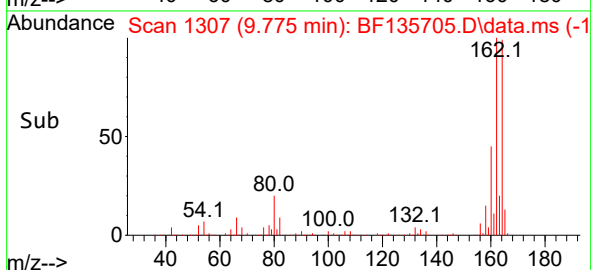
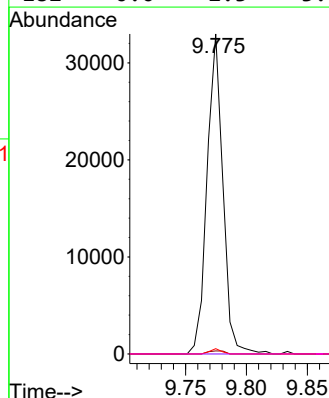
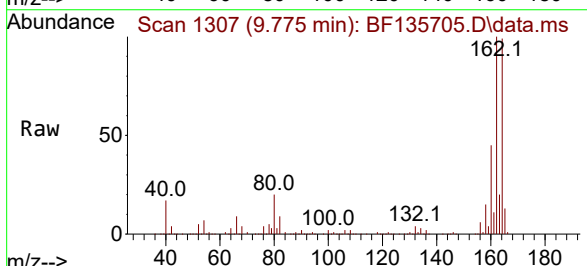
Ion Ratio Lower Upper

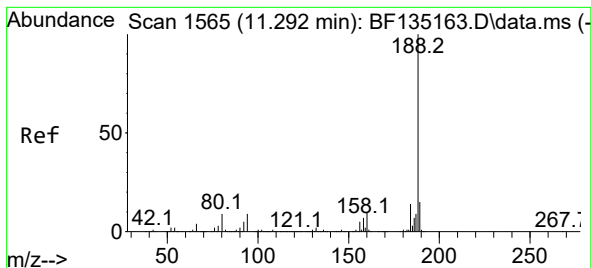
165 100

63 1.0 50.1 75.1#

89 1.6 59.3 88.9#

182 0.0 2.3 3.5#

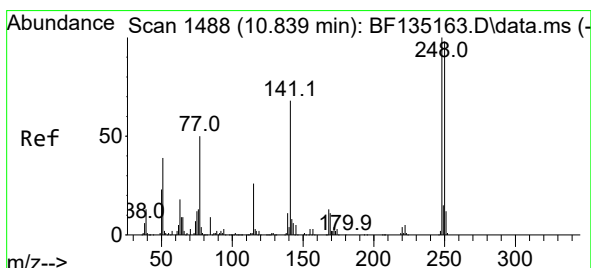
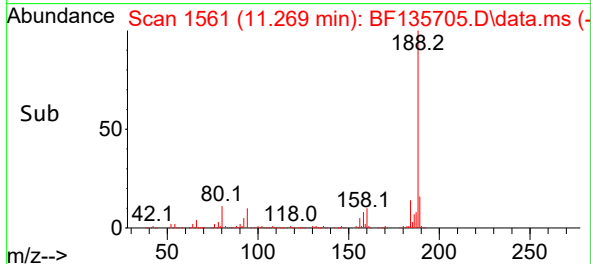
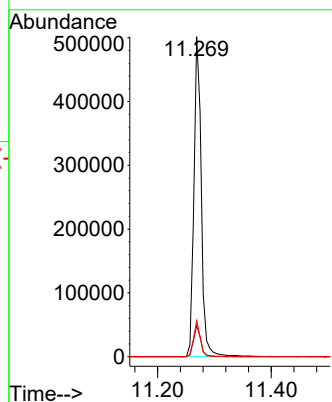
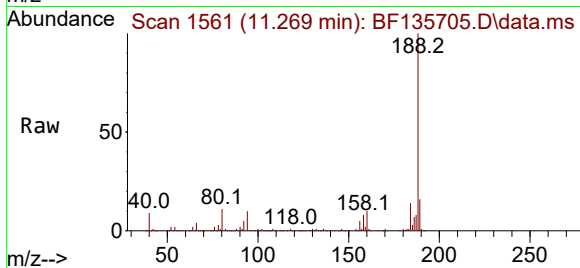




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.269 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF135705.D  
Acq: 11 Oct 2023 11:01

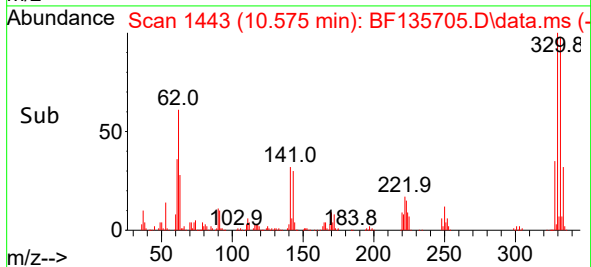
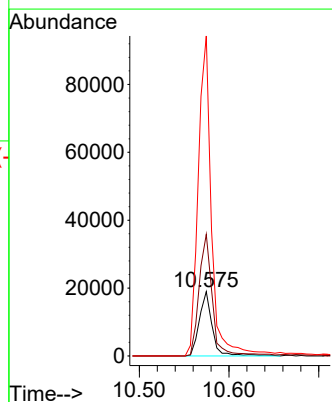
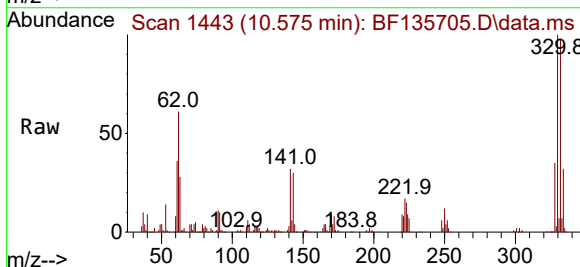
Instrument :  
BNA\_F  
ClientSampleId :  
PB156189BL

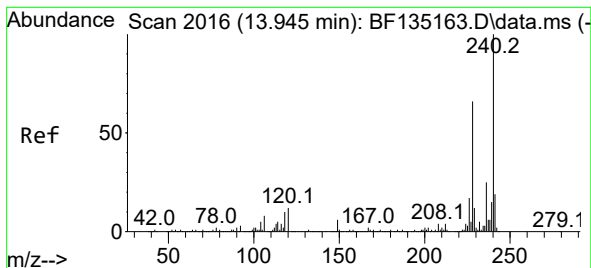
Tgt Ion:188 Resp: 453079  
Ion Ratio Lower Upper  
188 100  
94 9.7 7.0 10.6  
80 11.2 7.5 11.3



#67  
4-Bromophenyl-phenylether  
Concen: 4.185 ng  
RT: 10.575 min Scan# 1443  
Delta R.T. -0.241 min  
Lab File: BF135705.D  
Acq: 11 Oct 2023 11:01

Tgt Ion:248 Resp: 18859  
Ion Ratio Lower Upper  
248 100  
250 189.2 78.6 117.8#  
141 498.0 54.2 81.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF135705.D

Acq: 11 Oct 2023 11:01

Instrument :

BNA\_F

ClientSampleId :

PB156189BL

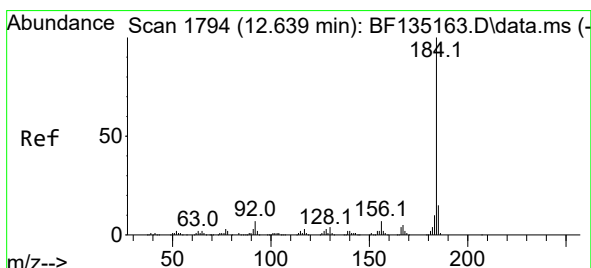
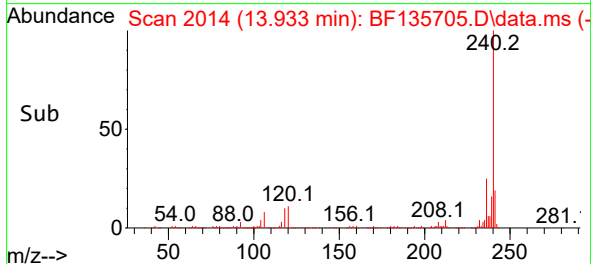
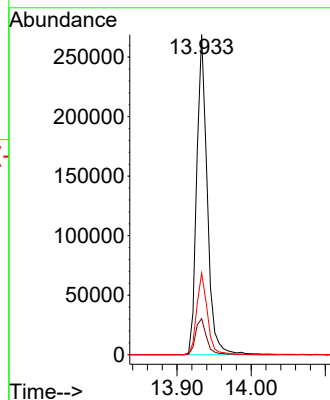
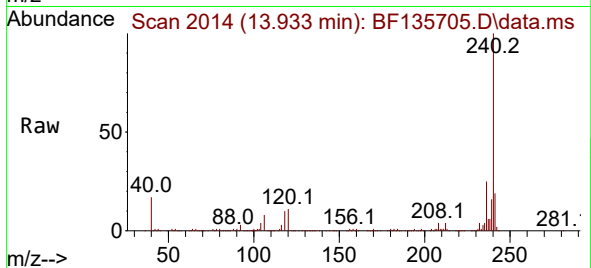
Tgt Ion:240 Resp: 264838

Ion Ratio Lower Upper

240 100

120 11.3 9.4 14.2

236 25.5 19.8 29.8



#77

Benzidine

Concen: 3.376 ng

RT: 12.869 min Scan# 1833

Delta R.T. 0.241 min

Lab File: BF135705.D

Acq: 11 Oct 2023 11:01

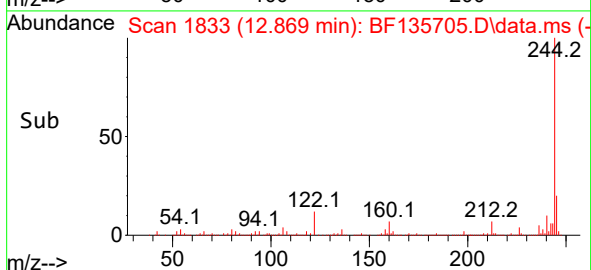
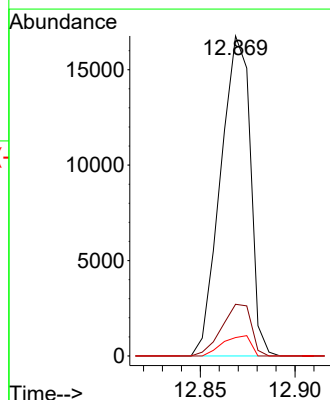
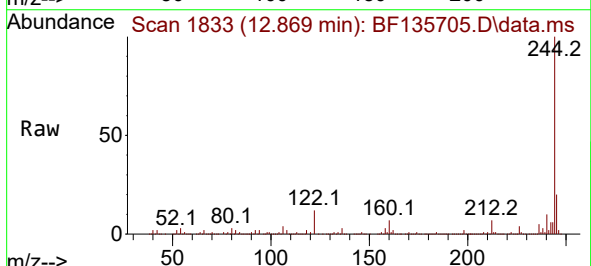
Tgt Ion:184 Resp: 18318

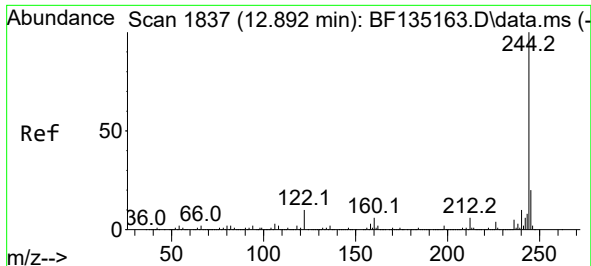
Ion Ratio Lower Upper

184 100

185 16.2 11.7 17.5

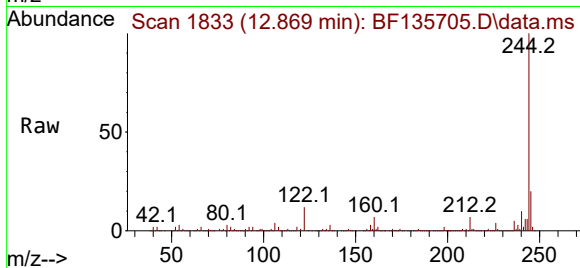
183 5.7 8.2 12.4#



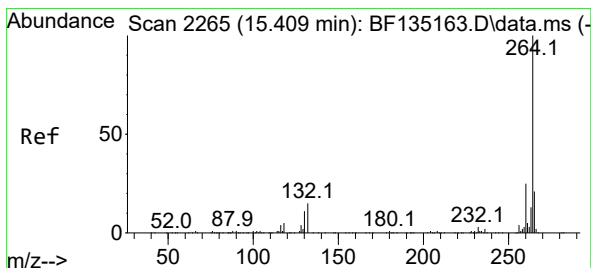
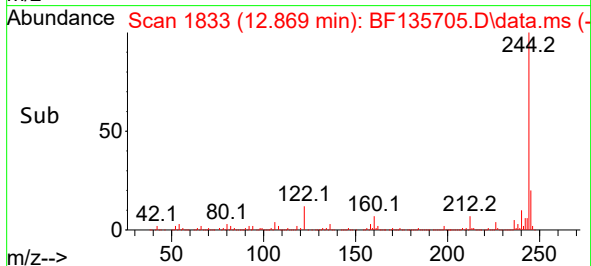
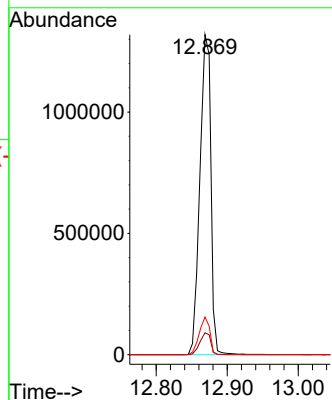


#79  
 Terphenyl-d14  
 Concen: 83.363 ng  
 RT: 12.869 min Scan# 1833  
 Delta R.T. 0.000 min  
 Lab File: BF135705.D  
 Acq: 11 Oct 2023 11:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB156189BL



Tgt Ion:244 Resp: 1424183  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.1 7.7  
 122 11.7 7.9 11.9



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.404 min Scan# 2264  
 Delta R.T. 0.000 min  
 Lab File: BF135705.D  
 Acq: 11 Oct 2023 11:01

Tgt Ion:264 Resp: 206276  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 19.8 29.6  
 265 21.0 17.0 25.4

