

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070623\  
 Data File : BF134095.D  
 Acq On : 06 Jul 2023 12:14  
 Operator : CG\JU  
 Sample : PB153188BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 07 09:19:00 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

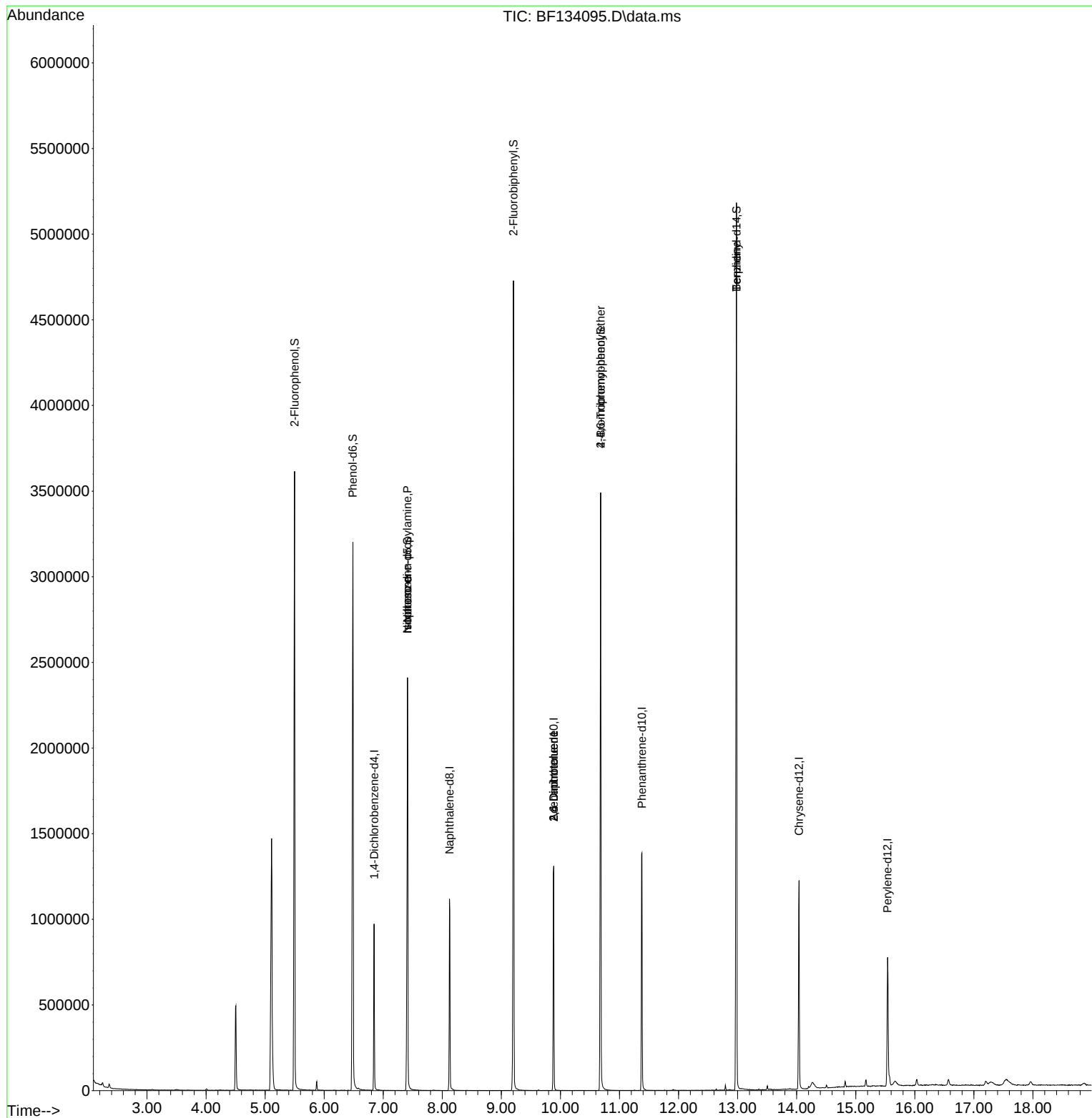
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.845  | 152  | 130924   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 521585   | 20.000    | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.886  | 164  | 276325   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.380 | 188  | 571303   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 14.039 | 240  | 433441   | 20.000    | ng    | -0.01    |
| 86) Perylene-d12              | 15.539 | 264  | 370156   | 20.000    | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 994592   | 127.075   | ng    | 0.01     |
| 7) Phenol-d6                  | 6.487  | 99   | 1201438  | 124.820   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.410  | 82   | 834989   | 86.295    | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.680 | 330  | 453401   | 130.868   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 1563401  | 82.259    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 2022342  | 75.092    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.410  | 77   | 537      | Below Cal | #     | 82       |
| 19) n-Nitroso-di-n-propyla... | 7.410  | 70   | 119850   | 19.634    | ng    | # 77     |
| 25) Isophorone                | 7.410  | 82   | 834981   | 47.482    | ng    | # 64     |
| 51) 2,6-Dinitrotoluene        | 9.886  | 165  | 34350    | 7.951     | ng    | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.886  | 165  | 34350    | 6.021     | ng    | # 22     |
| 67) 4-Bromophenyl-phenylether | 10.680 | 248  | 27788    | 4.576     | ng    | # 1      |
| 77) Benzydine                 | 12.980 | 184  | 28212    | 2.735     | ng    | # 93     |
| -----                         |        |      |          |           |       |          |

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

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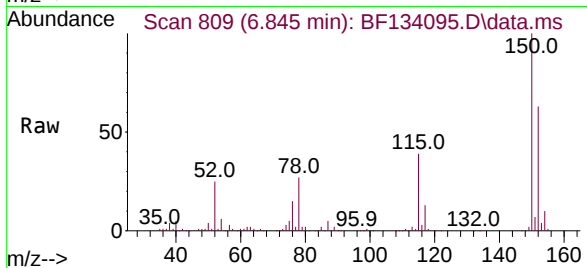
Quant Time: Jul 07 09:19:00 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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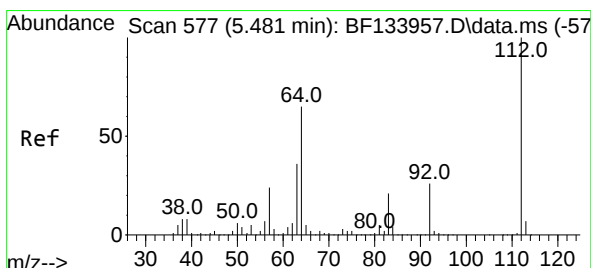
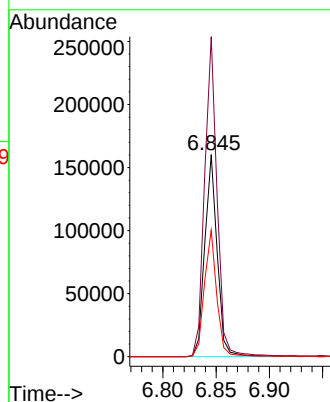
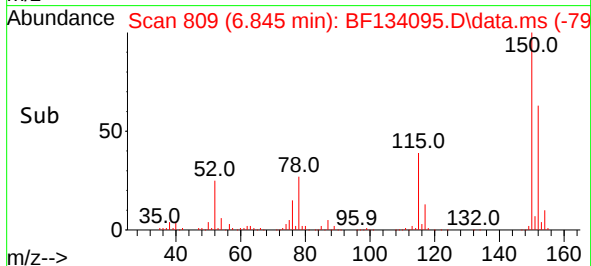


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.845 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF134095.D  
Acq: 06 Jul 2023 12:14

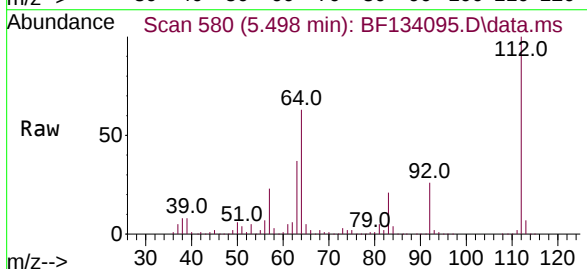
Instrument :  
BNA\_F  
ClientSampleId :



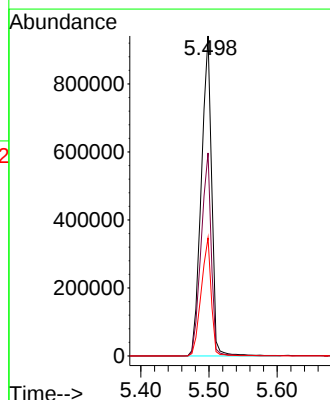
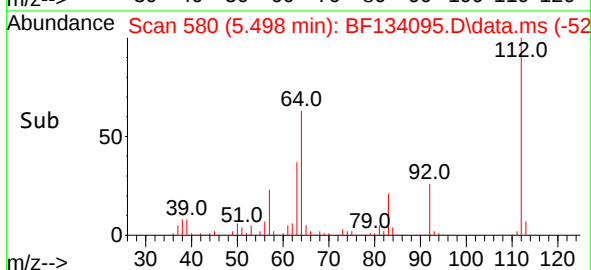
Tgt Ion:152 Resp: 130924  
Ion Ratio Lower Upper  
152 100  
150 158.3 124.5 186.7  
115 62.5 50.2 75.2

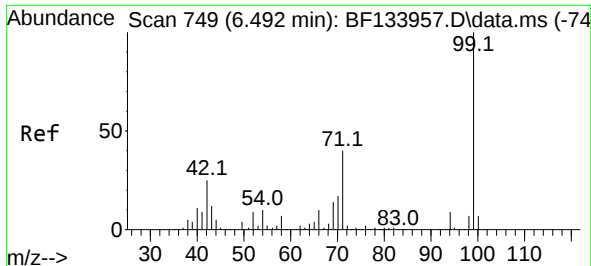


#5  
2-Fluorophenol  
Concen: 127.075 ng  
RT: 5.498 min Scan# 580  
Delta R.T. 0.012 min  
Lab File: BF134095.D  
Acq: 06 Jul 2023 12:14



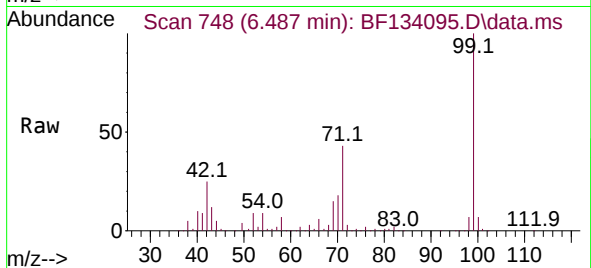
Tgt Ion:112 Resp: 994592  
Ion Ratio Lower Upper  
112 100  
64 63.5 52.1 78.1  
63 36.9 28.6 42.8



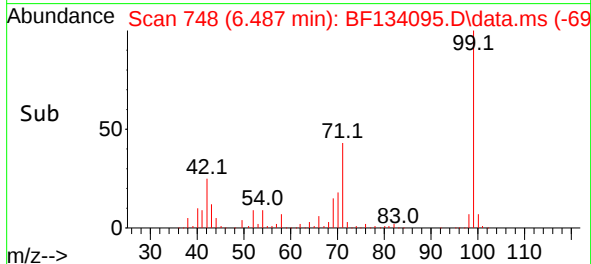
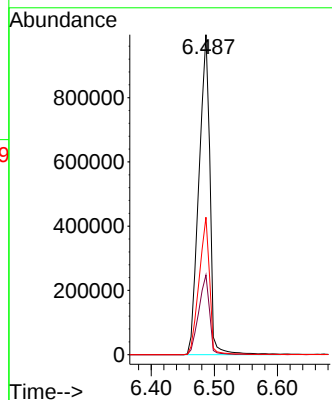


#7  
Phenol-d6  
Concen: 124.820 ng  
RT: 6.487 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: BF134095.D  
Acq: 06 Jul 2023 12:14

Instrument :  
BNA\_F  
ClientSampleId :

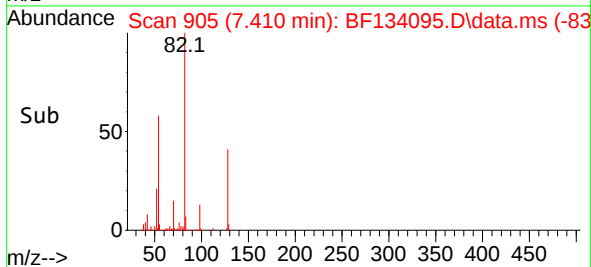
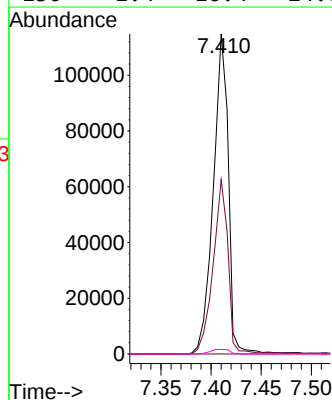
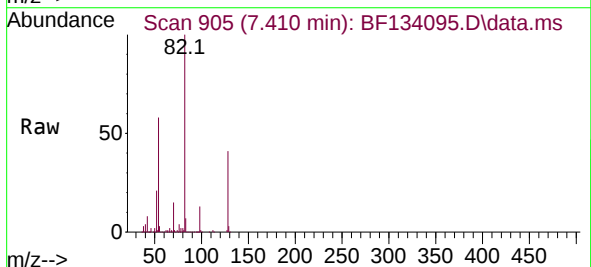


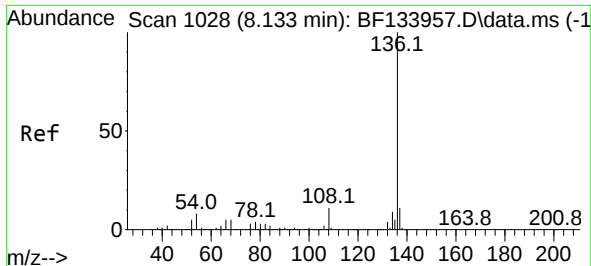
Tgt Ion: 99 Resp: 1201438  
Ion Ratio Lower Upper  
99 100  
42 24.9 19.8 29.6  
71 43.0 31.9 47.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.634 ng  
RT: 7.410 min Scan# 905  
Delta R.T. 0.141 min  
Lab File: BF134095.D  
Acq: 06 Jul 2023 12:14

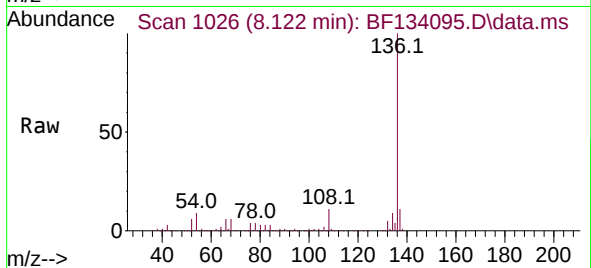
Tgt Ion: 70 Resp: 119850  
Ion Ratio Lower Upper  
70 100  
42 54.4 54.7 82.1#  
101 0.0 7.7 11.5#  
130 1.4 16.4 24.6#



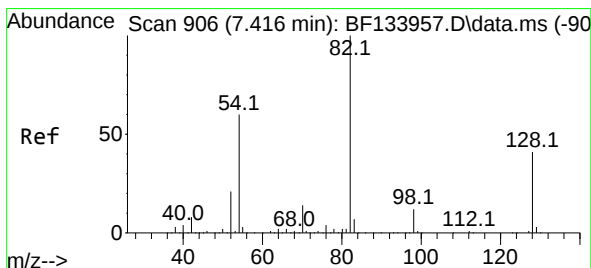
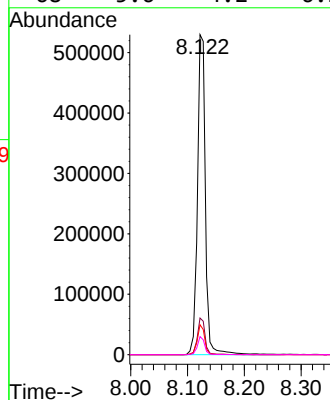
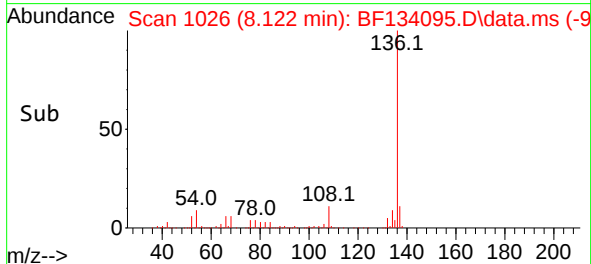


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 1026  
Delta R.T. -0.012 min  
Lab File: BF134095.D  
Acq: 06 Jul 2023 12:14

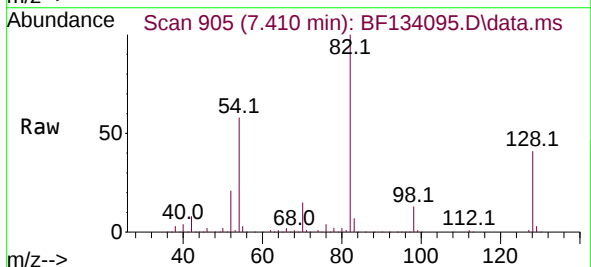
Instrument :  
BNA\_F  
ClientSampleId :



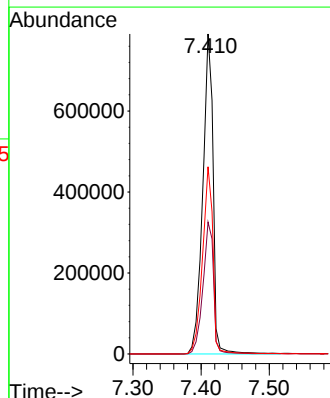
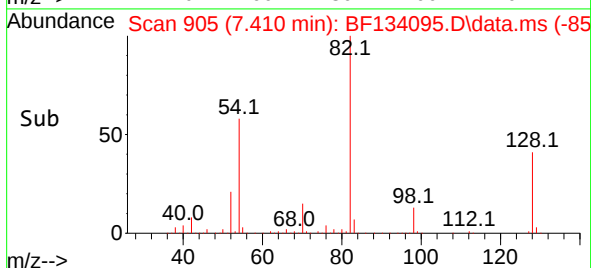
Tgt Ion:136 Resp: 521585  
Ion Ratio Lower Upper  
136 100  
137 11.5 8.6 12.8  
54 9.4 6.5 9.7  
68 5.6 4.2 6.2



#23  
Nitrobenzene-d5  
Concen: 86.295 ng  
RT: 7.410 min Scan# 905  
Delta R.T. -0.012 min  
Lab File: BF134095.D  
Acq: 06 Jul 2023 12:14



Tgt Ion: 82 Resp: 834989  
Ion Ratio Lower Upper  
82 100  
128 41.2 32.5 48.7  
54 58.5 48.2 72.2

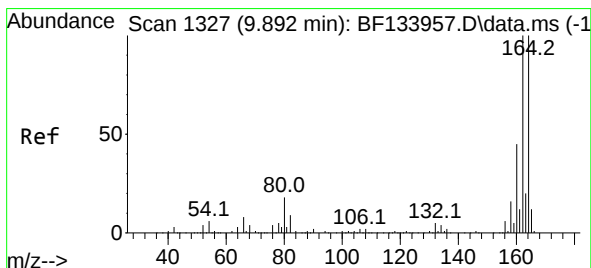
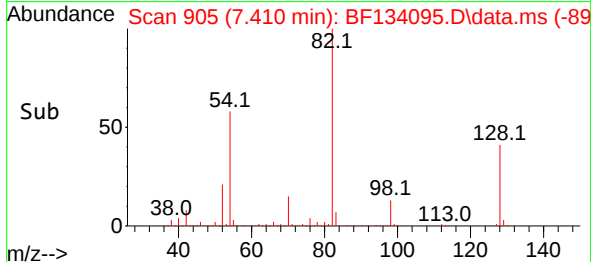
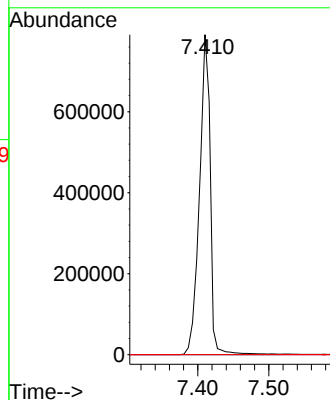
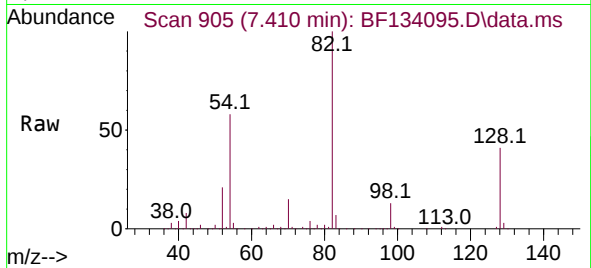




#25  
Isophorone  
Concen: 47.482 ng  
RT: 7.410 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF134095.D  
Acq: 06 Jul 2023 12:14

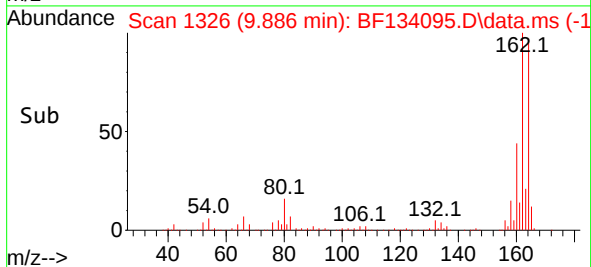
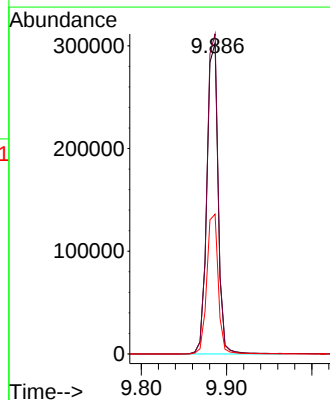
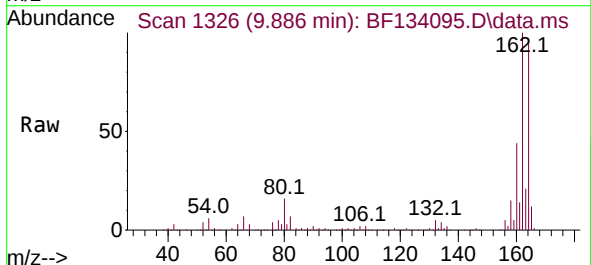
Instrument :  
BNA\_F  
ClientSampleId :

Tgt Ion: 82 Resp: 834981  
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: 9.886 min Scan# 1326  
Delta R.T. -0.006 min  
Lab File: BF134095.D  
Acq: 06 Jul 2023 12:14

Tgt Ion:164 Resp: 276325  
Ion Ratio Lower Upper  
164 100  
162 103.0 80.0 120.0  
160 45.0 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 130.868 ng

RT: 10.680 min Scan# 1462

Delta R.T. -0.006 min

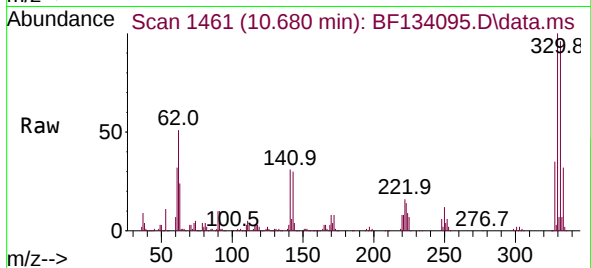
Lab File: BF134095.D

Acq: 06 Jul 2023 12:14

Instrument :

BNA\_F

ClientSampleId :



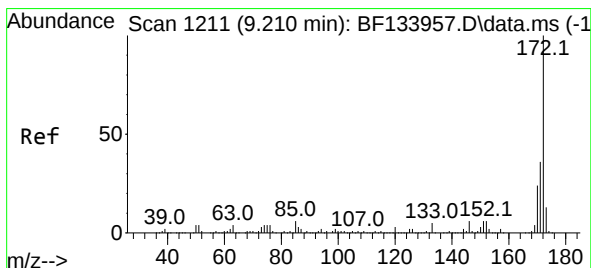
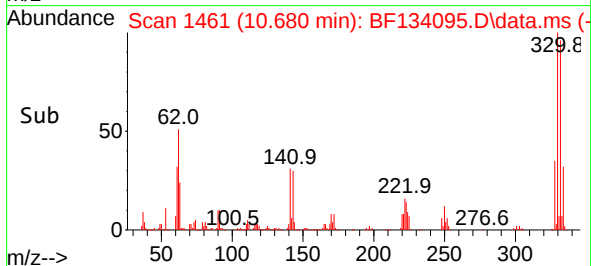
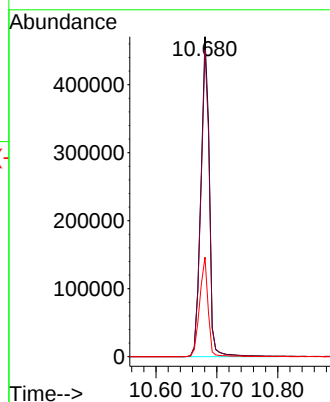
Tgt Ion:330 Resp: 453401

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

141 31.0 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 82.259 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.006 min

Lab File: BF134095.D

Acq: 06 Jul 2023 12:14

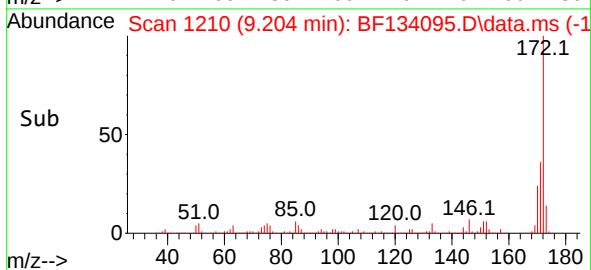
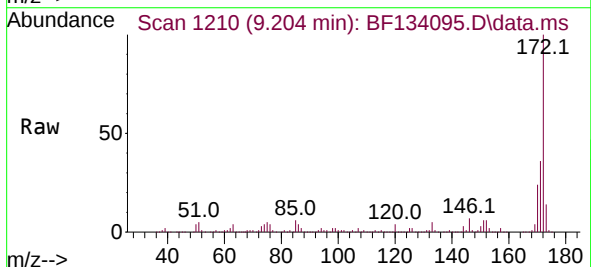
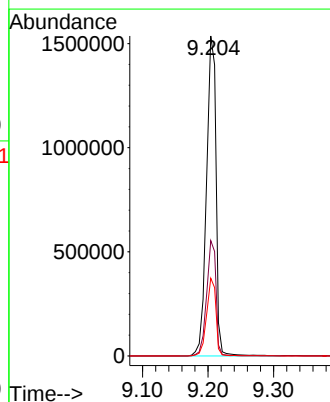
Tgt Ion:172 Resp: 1563401

Ion Ratio Lower Upper

172 100

171 36.0 28.6 43.0

170 24.3 19.4 29.0

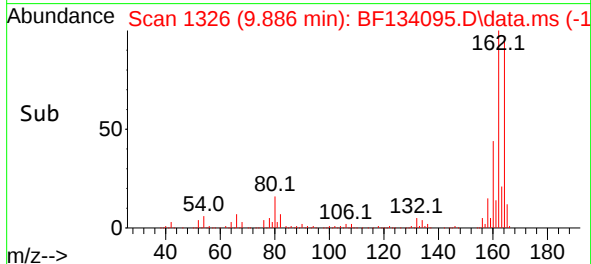
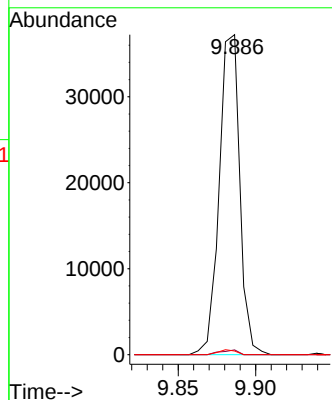
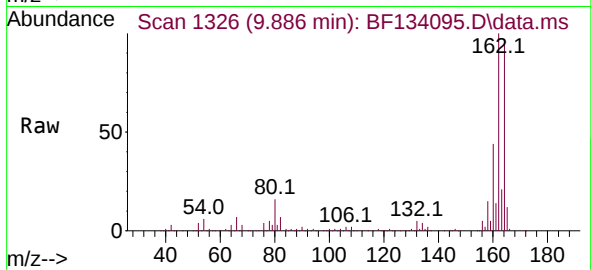




#51  
2,6-Dinitrotoluene  
Concen: 7.951 ng  
RT: 9.886 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF134095.D  
Acq: 06 Jul 2023 12:14

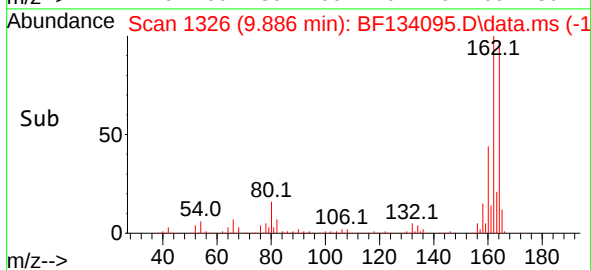
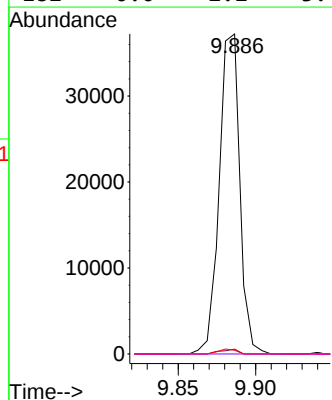
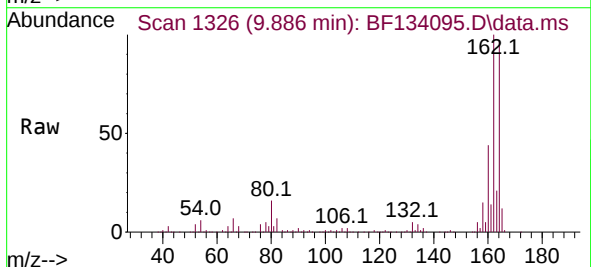
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BNA\_F  
ClientSampleId :

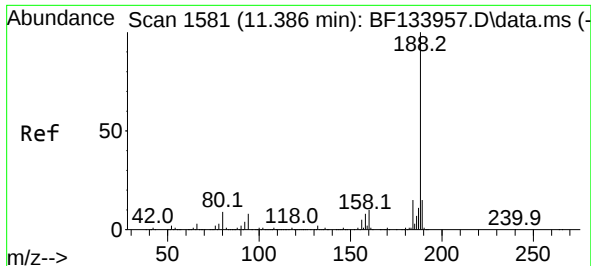
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Ion Ratio Lower Upper  
165 100  
63 1.5 48.5 72.7#  
89 1.1 45.5 68.3#



#57  
2,4-Dinitrotoluene  
Concen: 6.021 ng  
RT: 9.886 min Scan# 1326  
Delta R.T. -0.200 min  
Lab File: BF134095.D  
Acq: 06 Jul 2023 12:14

Tgt Ion:165 Resp: 34350  
Ion Ratio Lower Upper  
165 100  
63 1.5 42.2 63.2#  
89 1.1 57.4 86.2#  
182 0.0 2.2 3.4#

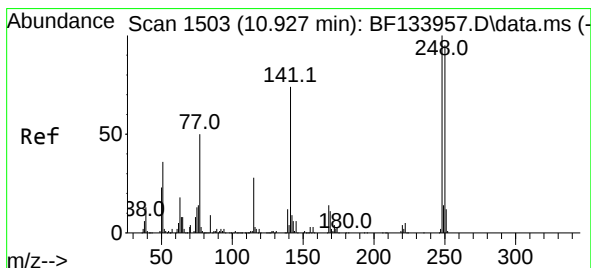
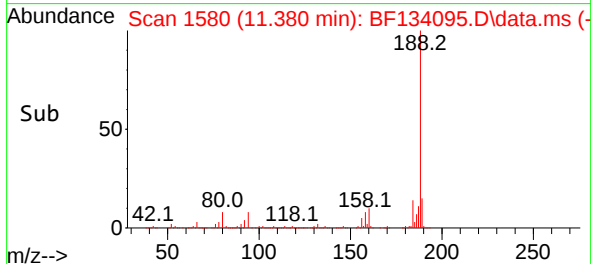
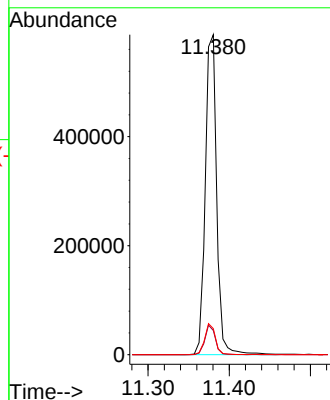
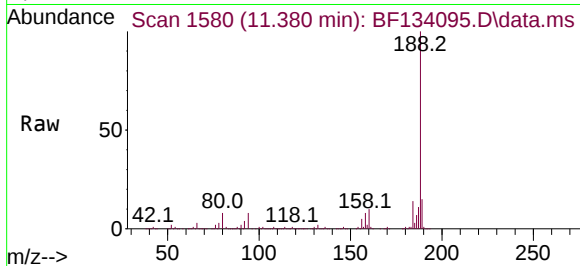




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.380 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF134095.D  
Acq: 06 Jul 2023 12:14

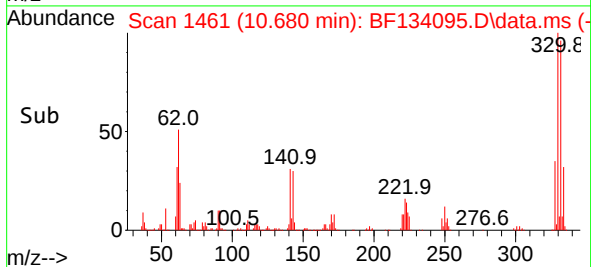
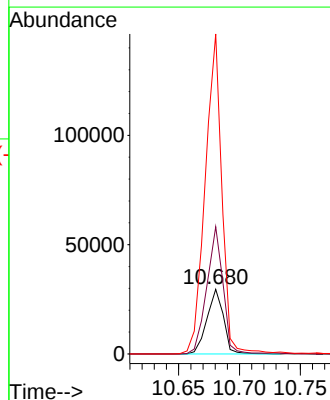
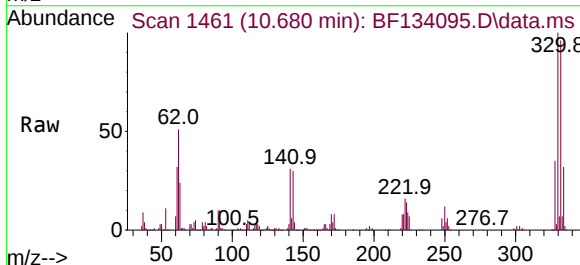
Instrument :  
BNA\_F  
ClientSampleId :

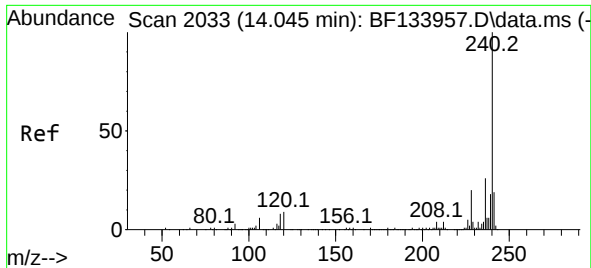
Tgt Ion:188 Resp: 571303  
Ion Ratio Lower Upper  
188 100  
94 7.6 6.4 9.6  
80 8.2 7.3 10.9



#67  
4-Bromophenyl-phenylether  
Concen: 4.576 ng  
RT: 10.680 min Scan# 1461  
Delta R.T. -0.247 min  
Lab File: BF134095.D  
Acq: 06 Jul 2023 12:14

Tgt Ion:248 Resp: 27788  
Ion Ratio Lower Upper  
248 100  
250 196.8 76.2 114.4#  
141 494.8 59.0 88.4#

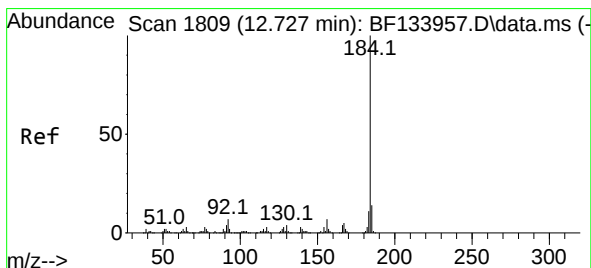
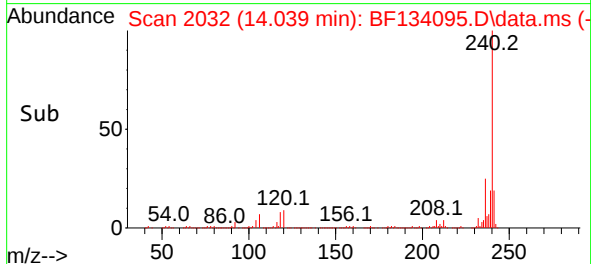
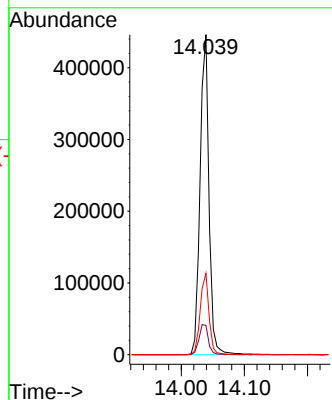
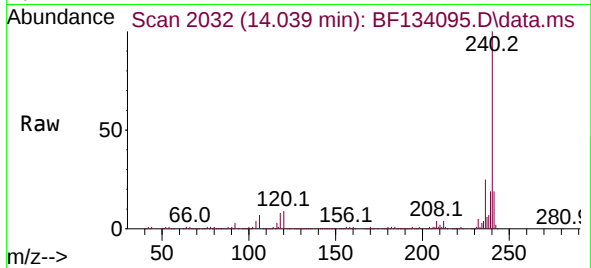




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2033  
Delta R.T. -0.012 min  
Lab File: BF134095.D  
Acq: 06 Jul 2023 12:14

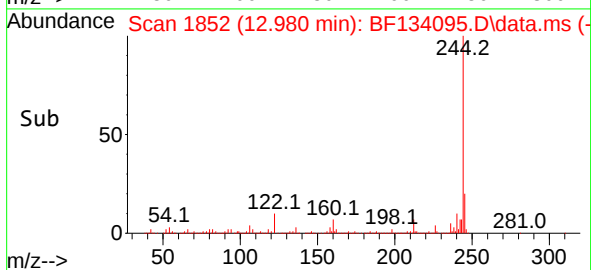
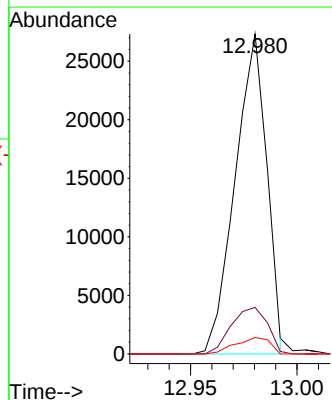
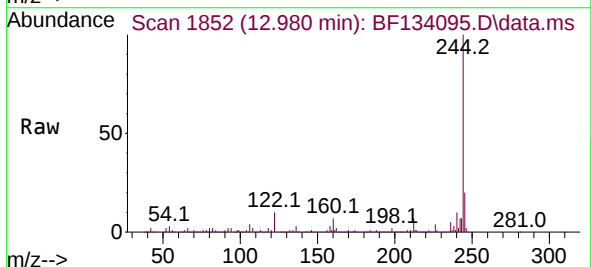
Instrument :  
BNA\_F  
ClientSampleId :

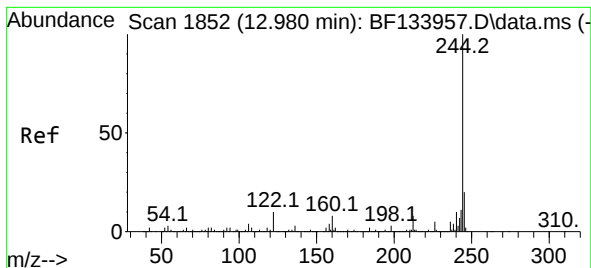
Tgt Ion:240 Resp: 433441  
Ion Ratio Lower Upper  
240 100  
120 9.2 7.4 11.0  
236 25.4 21.0 31.6



#77  
Benzidine  
Concen: 2.735 ng  
RT: 12.980 min Scan# 1852  
Delta R.T. 0.253 min  
Lab File: BF134095.D  
Acq: 06 Jul 2023 12:14

Tgt Ion:184 Resp: 28212  
Ion Ratio Lower Upper  
184 100  
185 14.6 11.6 17.4  
183 5.1 8.8 13.2#





#79

Terphenyl-d14

Concen: 75.092 ng

RT: 12.980 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134095.D

Acq: 06 Jul 2023 12:14

Instrument :

BNA\_F

ClientSampleId :

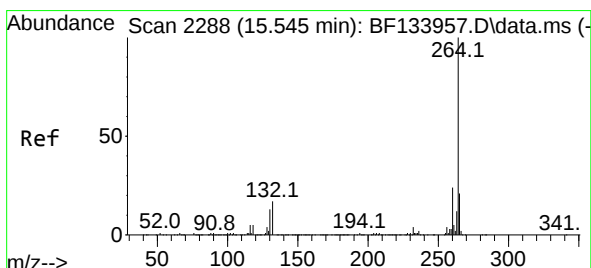
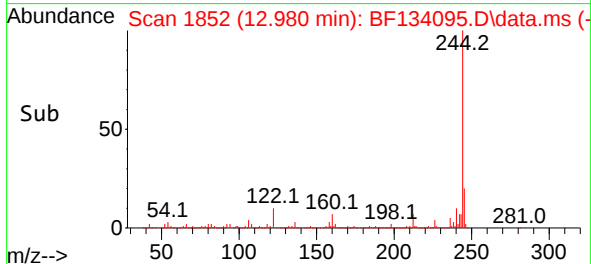
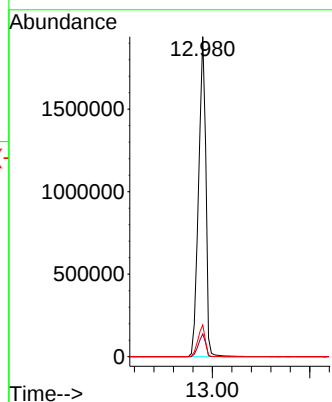
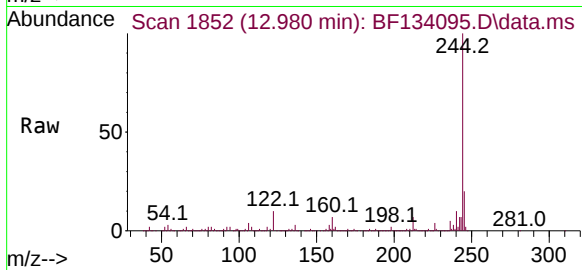
Tgt Ion:244 Resp: 2022342

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 9.9 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: BF134095.D

Acq: 06 Jul 2023 12:14

Tgt Ion:264 Resp: 370156

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 21.6 16.6 25.0

