

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021323\  
 Data File : BF132422.D  
 Acq On : 13 Feb 2023 21:51  
 Operator : CG\JU  
 Sample : 01329-16  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 14 01:41:08 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 14 00:51:00 2023  
 Response via : Initial Calibration

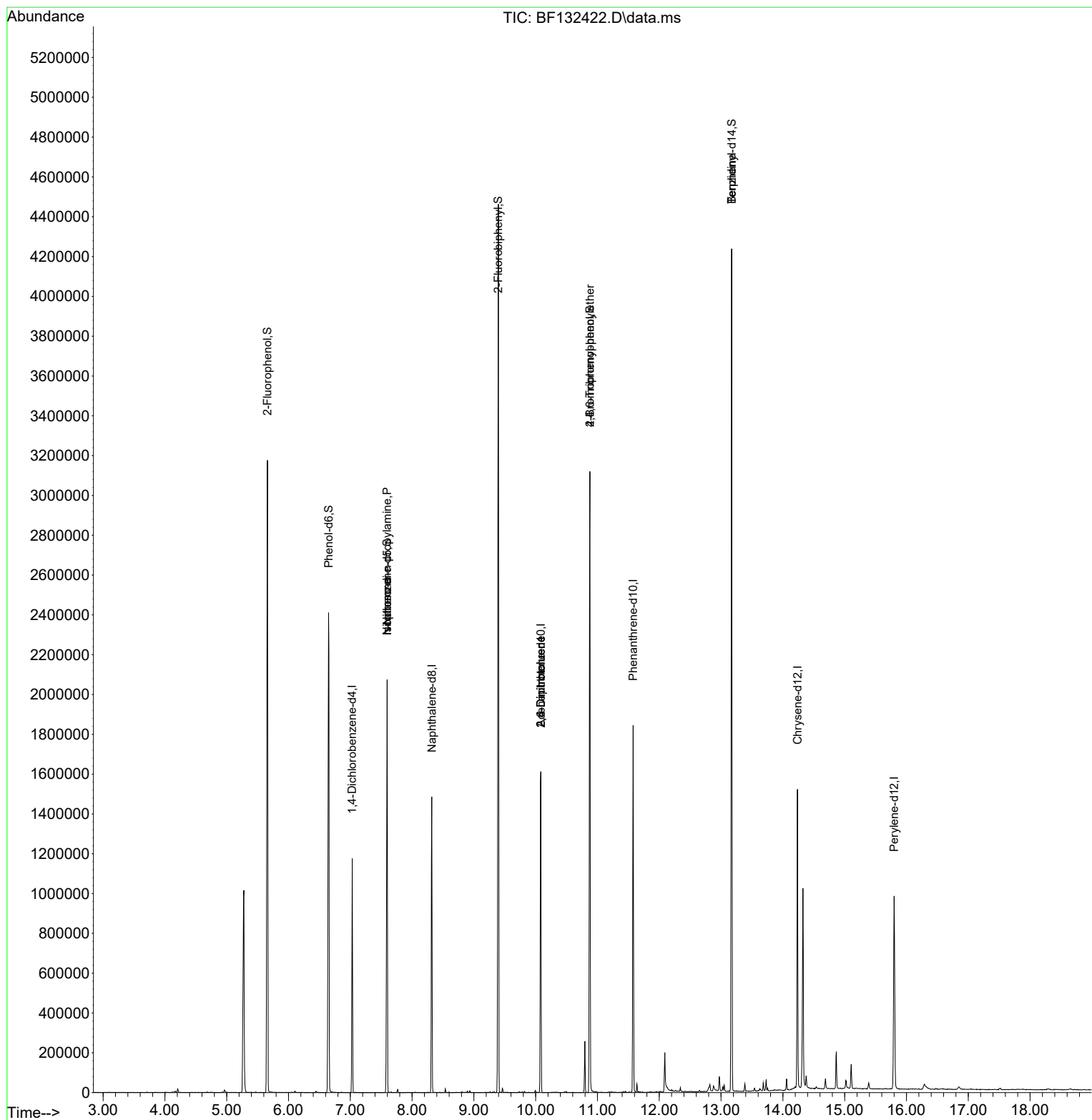
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.031  | 152  | 167877   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.319  | 136  | 655640   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.084 | 164  | 344734   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.578 | 188  | 649577   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.236 | 240  | 466612   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.801 | 264  | 452664   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.660  | 112  | 1081250  | 117.533 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.649  | 99   | 1153114  | 100.574 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.596  | 82   | 693312   | 63.083  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.878 | 330  | 426063   | 92.874  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.395  | 172  | 1319531  | 55.413  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.172 | 244  | 1415458  | 51.018  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.596  | 70   | 84207    | 12.871  | ng    | # 72     |
| 25) Isophorone                | 7.596  | 82   | 691962   | 35.737  | ng    | # 61     |
| 51) 2,6-Dinitrotoluene        | 10.084 | 165  | 44764    | 7.859   | ng    | # 30     |
| 57) 2,4-Dinitrotoluene        | 10.084 | 165  | 44764    | 5.982   | ng    | # 29     |
| 67) 4-Bromophenyl-phenylether | 10.878 | 248  | 24446    | 3.224   | ng    | # 1      |
| 77) Benzidine                 | 13.172 | 184  | 21050    | 3.171   | ng    | # 87     |
| -----                         |        |      |          |         |       |          |

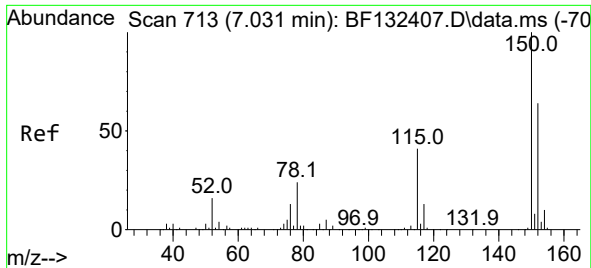
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 14 00:51:00 2023  
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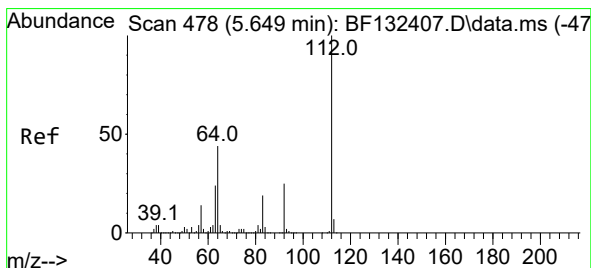
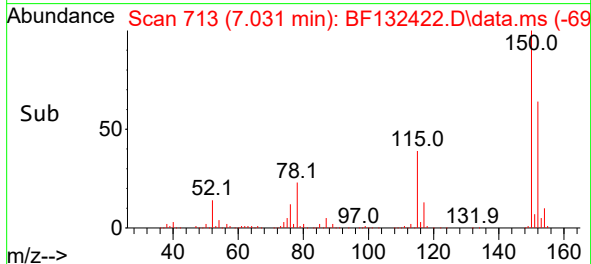
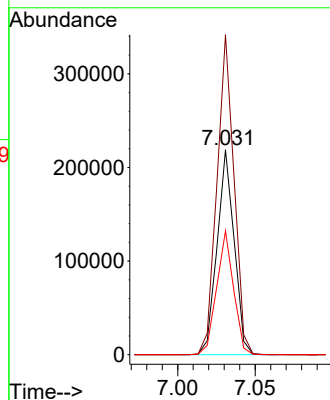
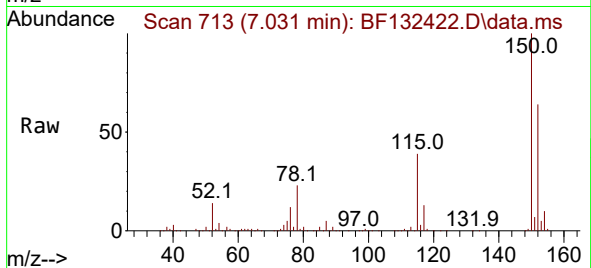




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.031 min Scan# 713  
Delta R.T. -0.000 min  
Lab File: BF132422.D  
Acq: 13 Feb 2023 21:51

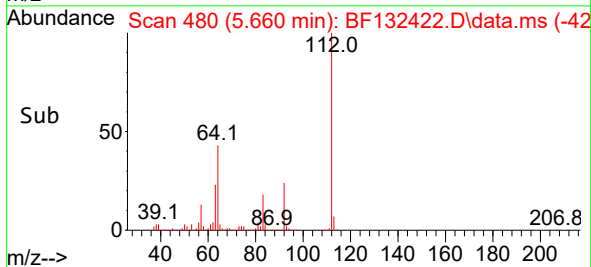
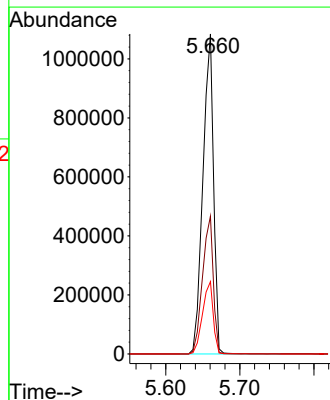
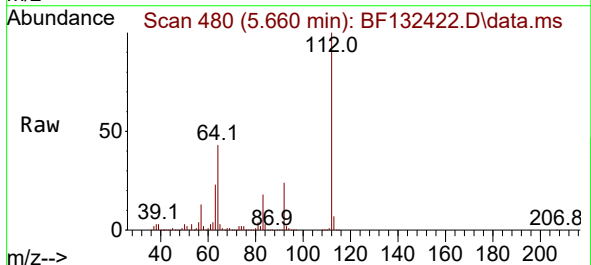
Instrument :  
BNA\_F  
ClientSampleId :

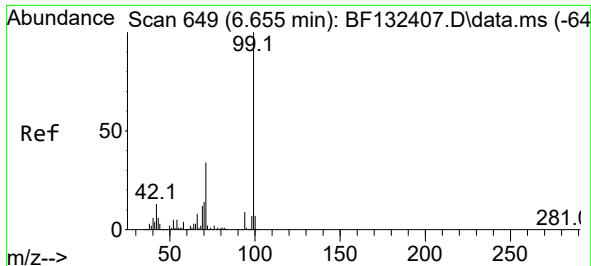
Tgt Ion:152 Resp: 167877  
Ion Ratio Lower Upper  
152 100  
150 156.2 124.4 186.6  
115 60.5 50.6 75.8



#5  
2-Fluorophenol  
Concen: 117.533 ng  
RT: 5.660 min Scan# 480  
Delta R.T. 0.011 min  
Lab File: BF132422.D  
Acq: 13 Feb 2023 21:51

Tgt Ion:112 Resp: 1081250  
Ion Ratio Lower Upper  
112 100  
64 43.1 34.8 52.2  
63 22.6 19.3 28.9

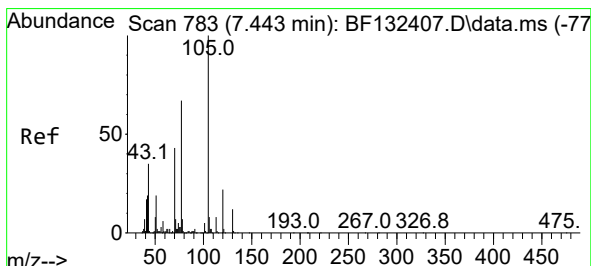
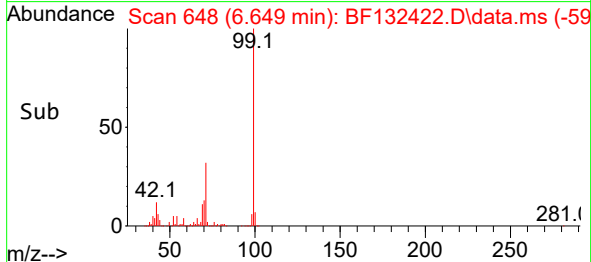
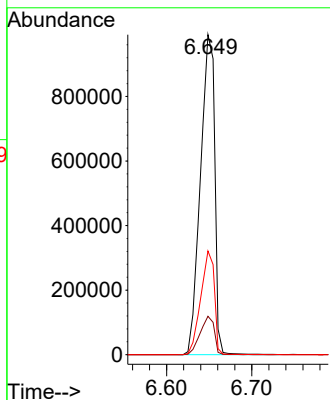
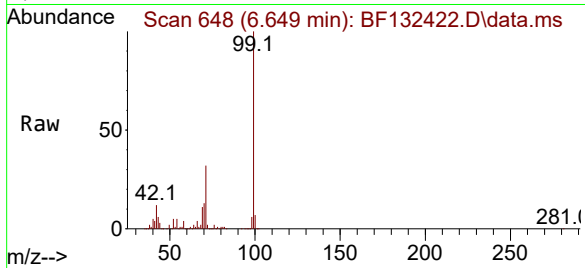




#7  
Phenol-d6  
Concen: 100.574 ng  
RT: 6.649 min Scan# 64  
Delta R.T. -0.006 min  
Lab File: BF132422.D  
Acq: 13 Feb 2023 21:51

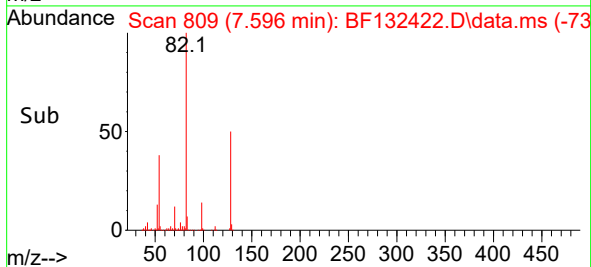
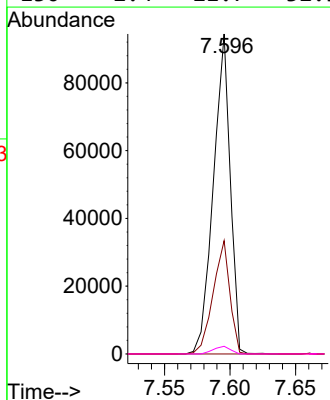
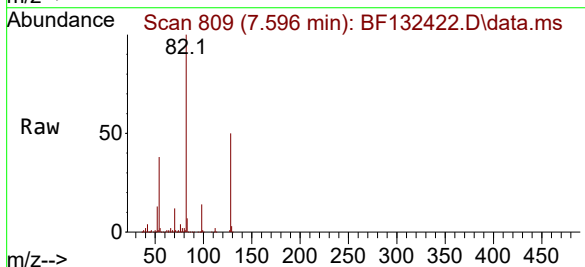
Instrument :  
BNA\_F  
ClientSampleId :

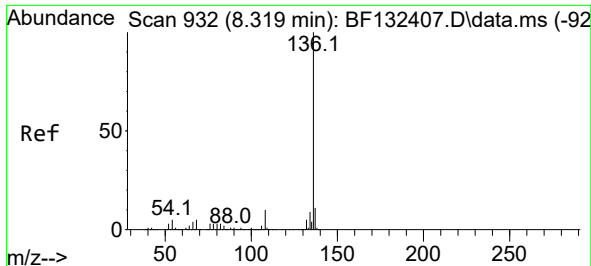
Tgt Ion: 99 Resp: 1153114  
Ion Ratio Lower Upper  
99 100  
42 12.0 10.1 15.1  
71 32.4 26.8 40.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.871 ng  
RT: 7.596 min Scan# 809  
Delta R.T. 0.153 min  
Lab File: BF132422.D  
Acq: 13 Feb 2023 21:51

Tgt Ion: 70 Resp: 84207  
Ion Ratio Lower Upper  
70 100  
42 35.4 36.0 54.0#  
101 0.0 9.4 14.2#  
130 2.4 21.7 32.5#

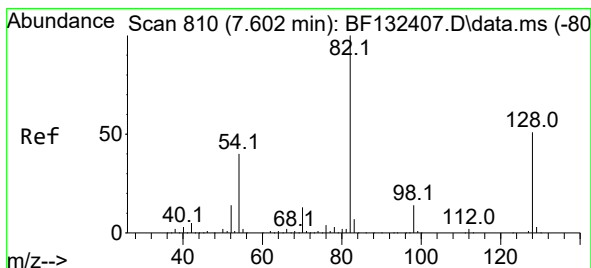
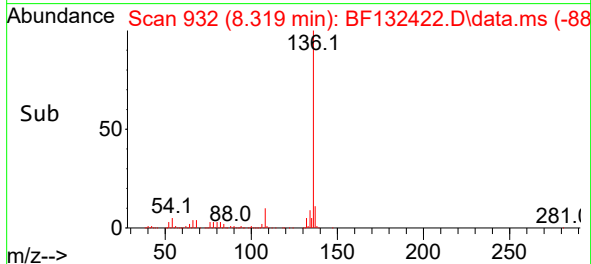
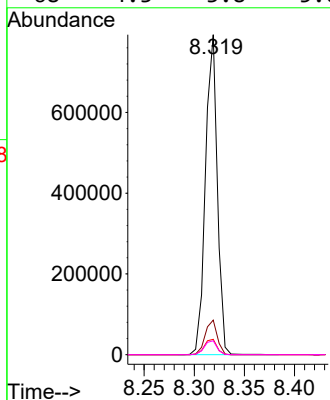
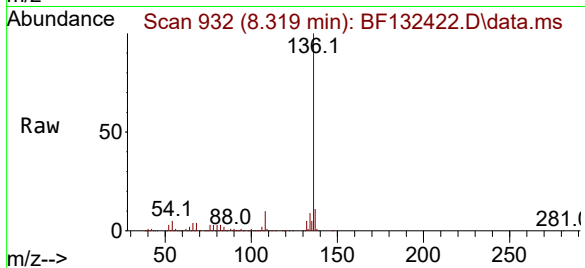




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.319 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF132422.D  
Acq: 13 Feb 2023 21:51

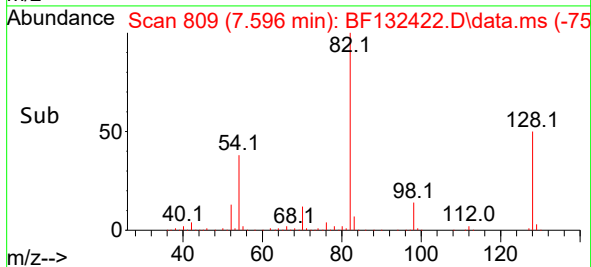
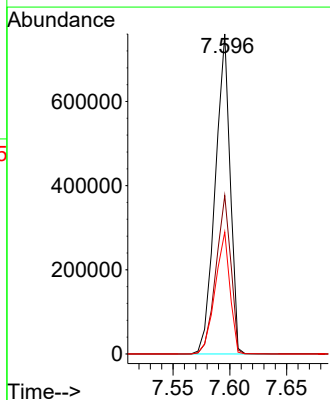
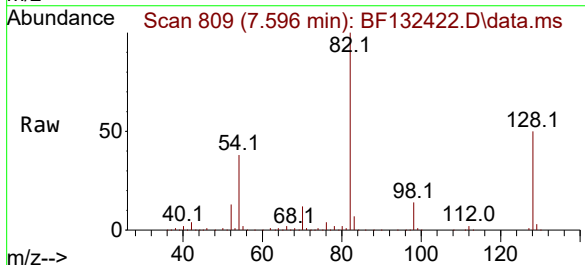
Instrument :  
BNA\_F  
ClientSampleId :

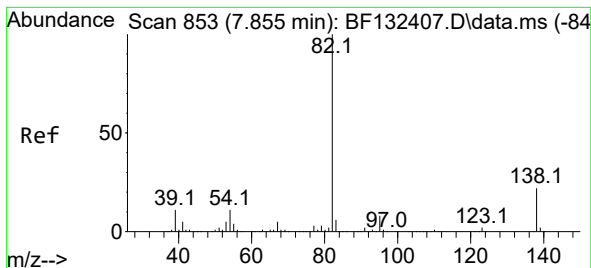
Tgt Ion:136 Resp: 655640  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.0 13.4  
54 4.8 4.2 6.2  
68 4.3 3.8 5.6



#23  
Nitrobenzene-d5  
Concen: 63.083 ng  
RT: 7.596 min Scan# 809  
Delta R.T. -0.006 min  
Lab File: BF132422.D  
Acq: 13 Feb 2023 21:51

Tgt Ion: 82 Resp: 693312  
Ion Ratio Lower Upper  
82 100  
128 49.5 40.7 61.1  
54 38.1 32.3 48.5





#25

Isophorone

Concen: 35.737 ng

RT: 7.596 min Scan# 80

Delta R.T. -0.259 min

Lab File: BF132422.D

Acq: 13 Feb 2023 21:51

Instrument :

BNA\_F

ClientSampleId :

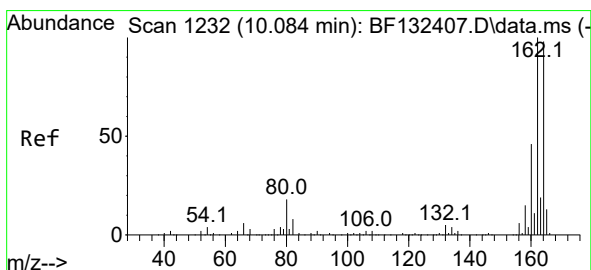
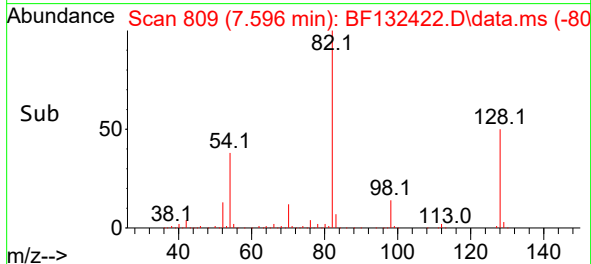
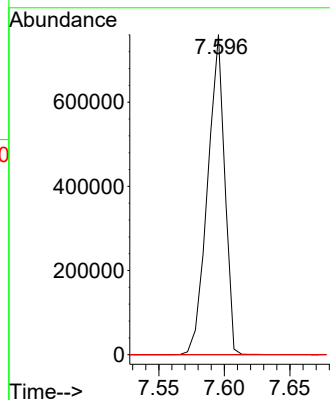
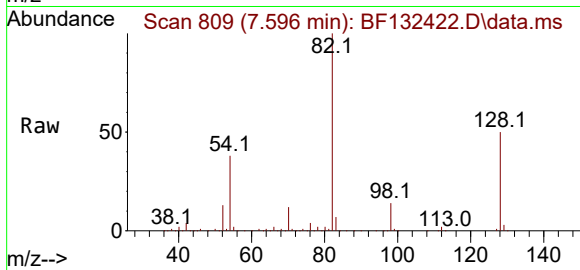
Tgt Ion: 82 Resp: 691962

Ion Ratio Lower Upper

82 100

95 0.0 6.6 9.8#

138 0.0 17.2 25.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.084 min Scan# 1232

Delta R.T. -0.000 min

Lab File: BF132422.D

Acq: 13 Feb 2023 21:51

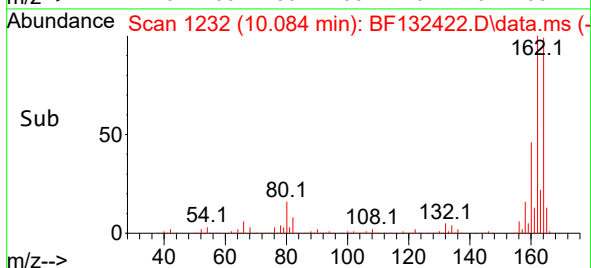
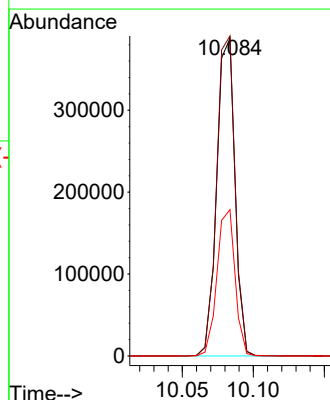
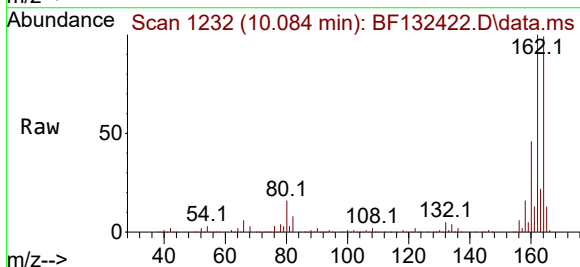
Tgt Ion:164 Resp: 344734

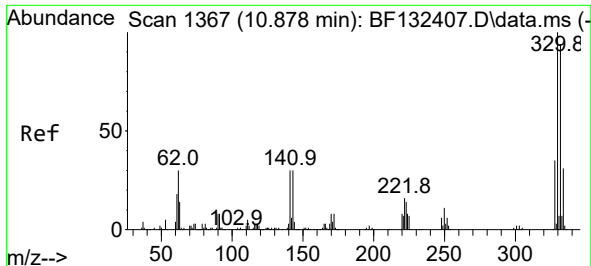
Ion Ratio Lower Upper

164 100

162 100.8 81.8 122.6

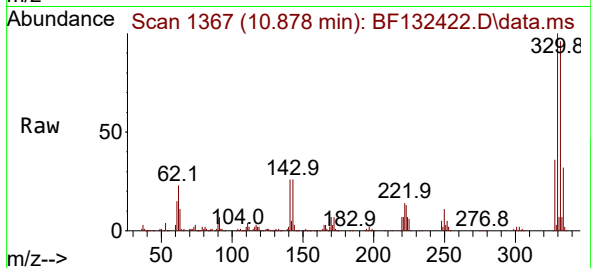
160 46.0 37.4 56.0



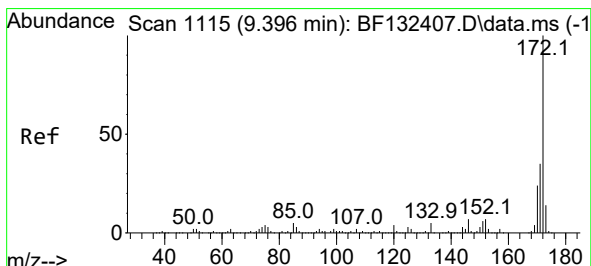
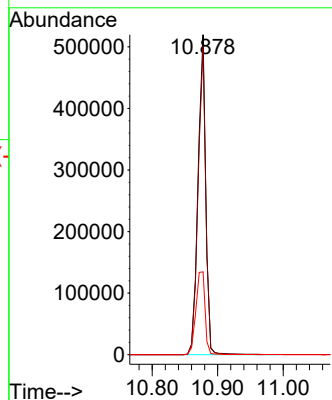
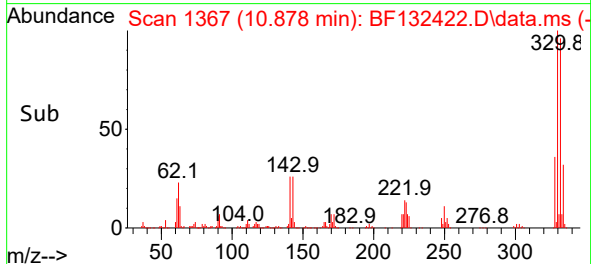


#42  
 2,4,6-Tribromophenol  
 Concen: 92.874 ng  
 RT: 10.878 min Scan# 1115  
 Delta R.T. -0.000 min  
 Lab File: BF132422.D  
 Acq: 13 Feb 2023 21:51

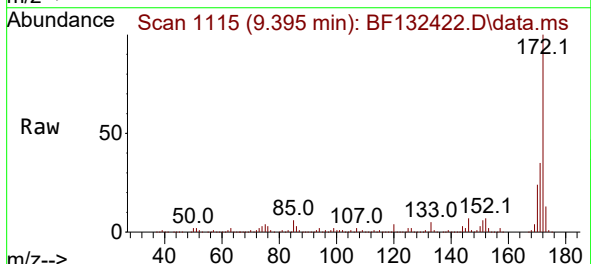
Instrument :  
 BNA\_F  
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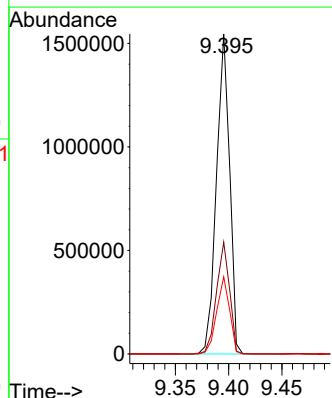
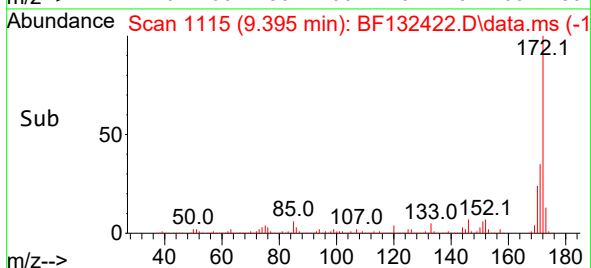
Tgt Ion:330 Resp: 426063  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 76.7 115.1  
 141 30.9 25.4 38.2

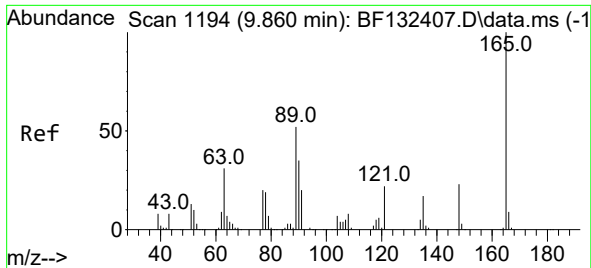


#45  
 2-Fluorobiphenyl  
 Concen: 55.413 ng  
 RT: 9.395 min Scan# 1115  
 Delta R.T. -0.000 min  
 Lab File: BF132422.D  
 Acq: 13 Feb 2023 21:51



Tgt Ion:172 Resp: 1319531  
 Ion Ratio Lower Upper  
 172 100  
 171 34.9 28.3 42.5  
 170 24.1 19.3 28.9

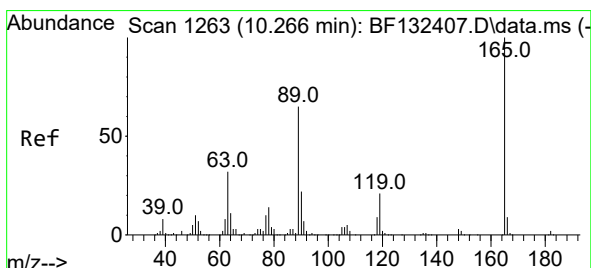
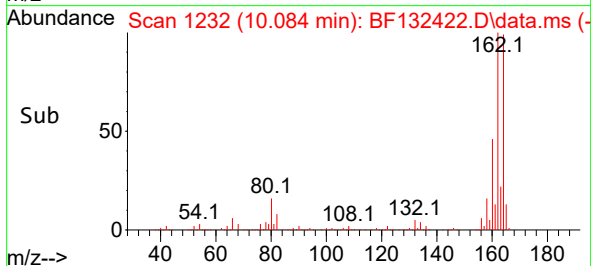
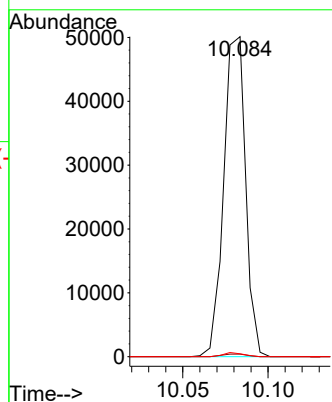
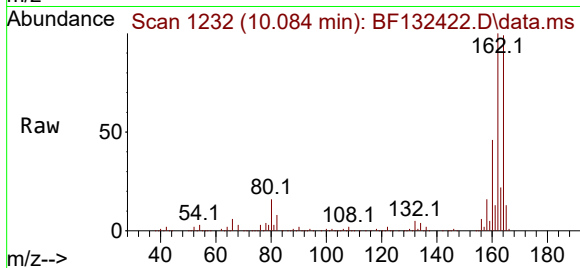




#51  
2,6-Dinitrotoluene  
Concen: 7.859 ng  
RT: 10.084 min Scan# 1194  
Delta R.T. 0.224 min  
Lab File: BF132422.D  
Acq: 13 Feb 2023 21:51

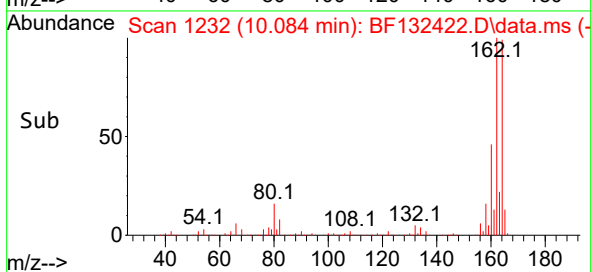
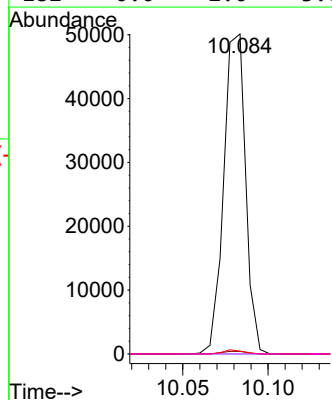
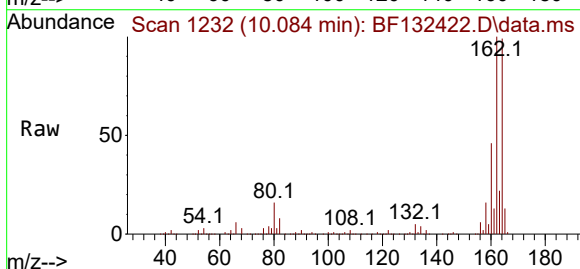
Instrument :  
BNA\_F  
ClientSampleId :

Tgt Ion:165 Resp: 44764  
Ion Ratio Lower Upper  
165 100  
63 0.8 34.0 51.0#  
89 0.9 41.8 62.6#

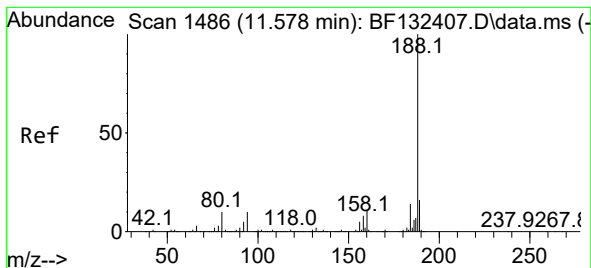


#57  
2,4-Dinitrotoluene  
Concen: 5.982 ng  
RT: 10.084 min Scan# 1232  
Delta R.T. -0.182 min  
Lab File: BF132422.D  
Acq: 13 Feb 2023 21:51

Tgt Ion:165 Resp: 44764  
Ion Ratio Lower Upper  
165 100  
63 0.8 25.4 38.2#  
89 0.9 52.2 78.2#  
182 0.0 2.0 3.0#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.578 min Scan# 1486

Delta R.T. -0.000 min

Lab File: BF132422.D

Acq: 13 Feb 2023 21:51

Instrument :

BNA\_F

ClientSampleId :

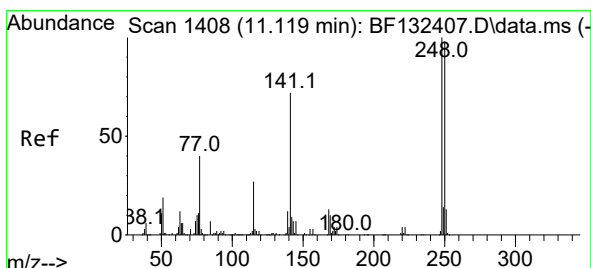
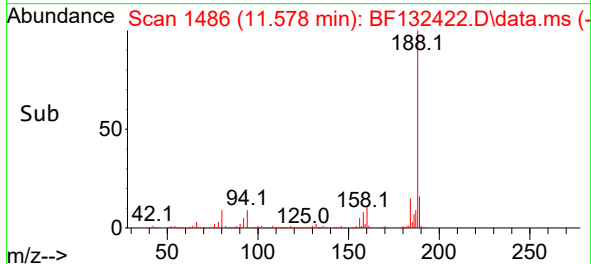
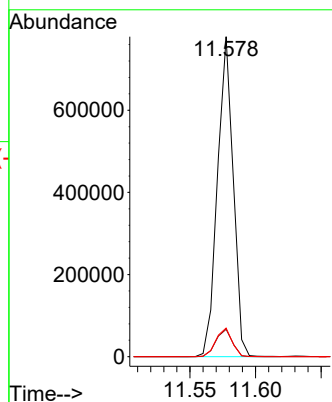
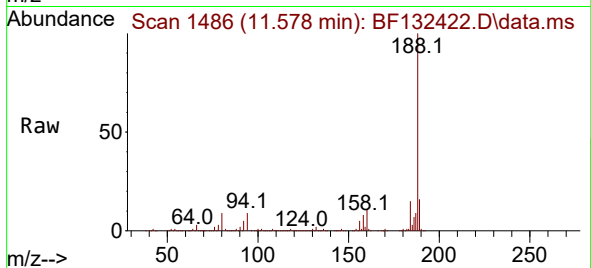
Tgt Ion:188 Resp: 649577

Ion Ratio Lower Upper

188 100

94 8.6 7.8 11.6

80 9.0 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 3.224 ng

RT: 10.878 min Scan# 1367

Delta R.T. -0.241 min

Lab File: BF132422.D

Acq: 13 Feb 2023 21:51

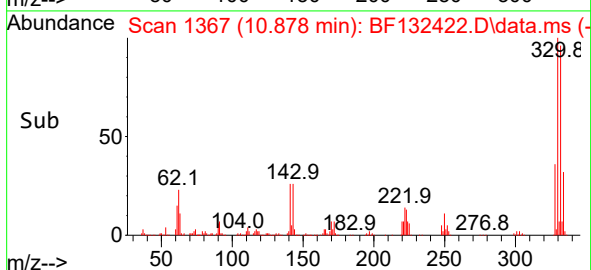
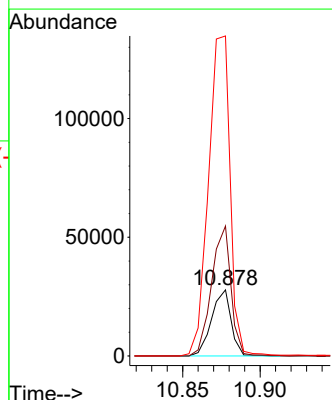
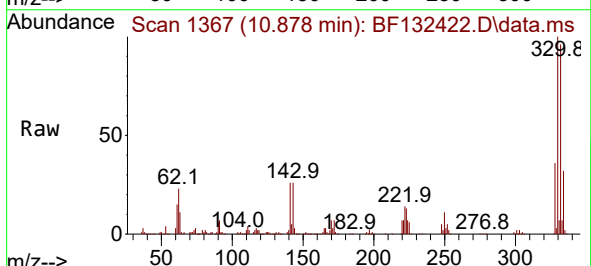
Tgt Ion:248 Resp: 24446

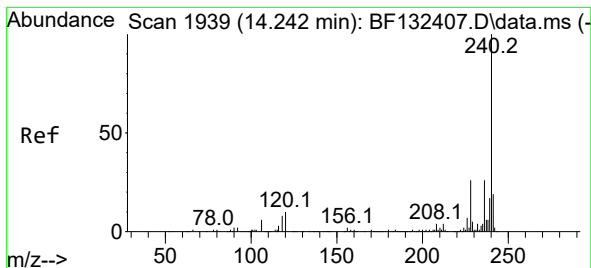
Ion Ratio Lower Upper

248 100

250 196.6 78.1 117.1#

141 483.9 57.9 86.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.236 min Scan# 1938

Delta R.T. -0.006 min

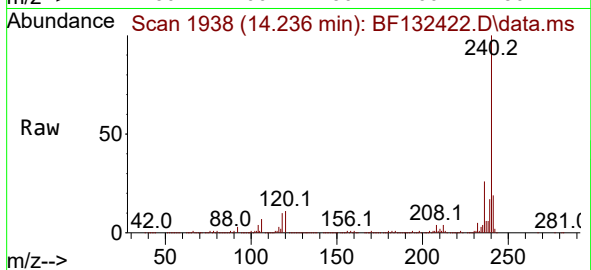
Lab File: BF132422.D

Acq: 13 Feb 2023 21:51

Instrument :

BNA\_F

ClientSampleId :



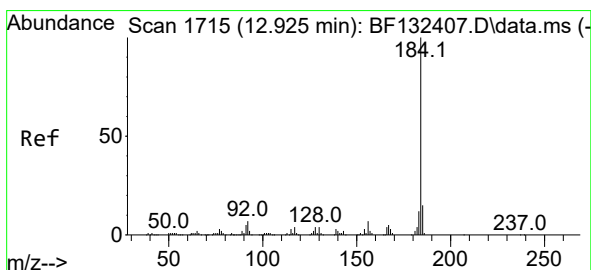
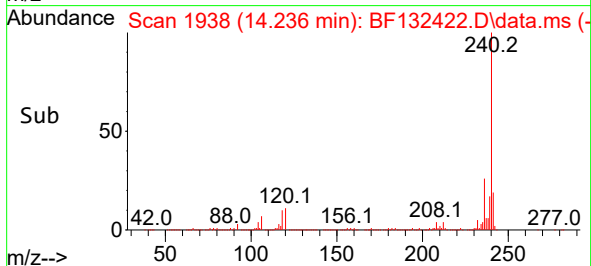
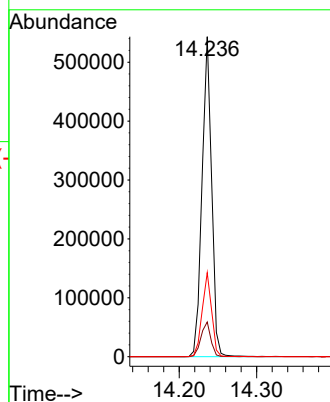
Tgt Ion:240 Resp: 466612

Ion Ratio Lower Upper

240 100

120 10.9 7.7 11.5

236 26.2 21.1 31.7



#77

Benzidine

Concen: 3.171 ng

RT: 13.172 min Scan# 1757

Delta R.T. 0.247 min

Lab File: BF132422.D

Acq: 13 Feb 2023 21:51

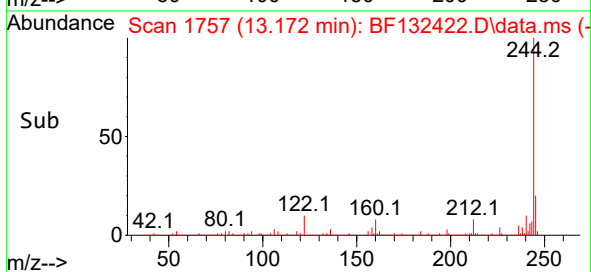
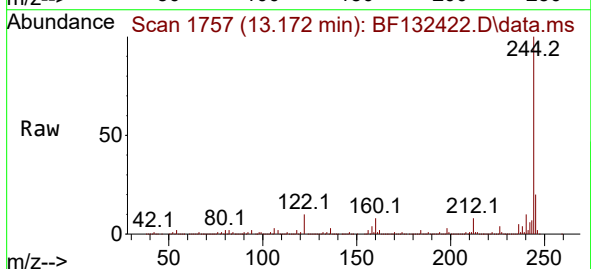
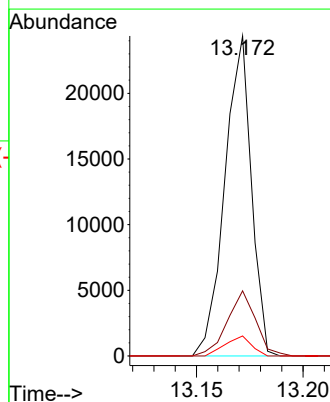
Tgt Ion:184 Resp: 21050

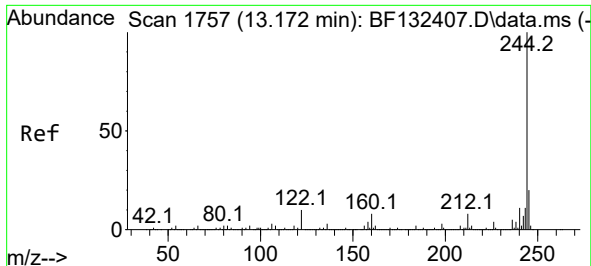
Ion Ratio Lower Upper

184 100

185 20.3 12.2 18.2#

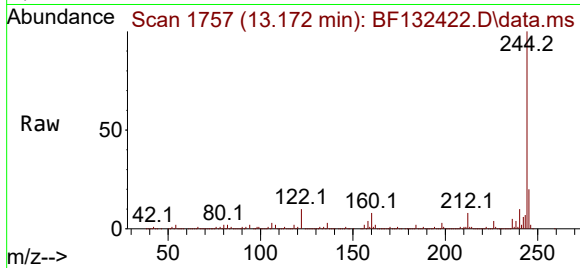
183 6.3 9.3 13.9#



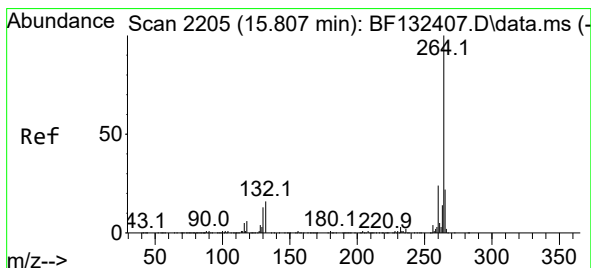
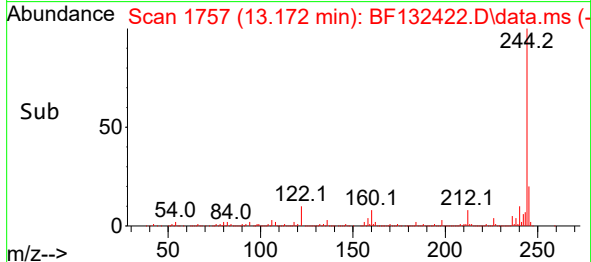
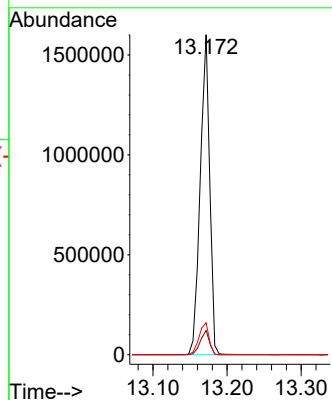


#79  
 Terphenyl-d14  
 Concen: 51.018 ng  
 RT: 13.172 min Scan# 1  
 Delta R.T. -0.000 min  
 Lab File: BF132422.D  
 Acq: 13 Feb 2023 21:51

Instrument :  
 BNA\_F  
 ClientSampleId :



Tgt Ion:244 Resp: 1415458  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.3 9.5  
 122 10.0 8.2 12.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.801 min Scan# 2204  
 Delta R.T. -0.006 min  
 Lab File: BF132422.D  
 Acq: 13 Feb 2023 21:51

Tgt Ion:264 Resp: 452664  
 Ion Ratio Lower Upper  
 264 100  
 260 24.4 19.1 28.7  
 265 22.1 17.7 26.5

