

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102523\  
 Data File : BF135952.D  
 Acq On : 25 Oct 2023 20:59  
 Operator : CG\JU  
 Sample : PB156436TB  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 26 04:33:43 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 26 03:58:01 2023  
 Response via : Initial Calibration

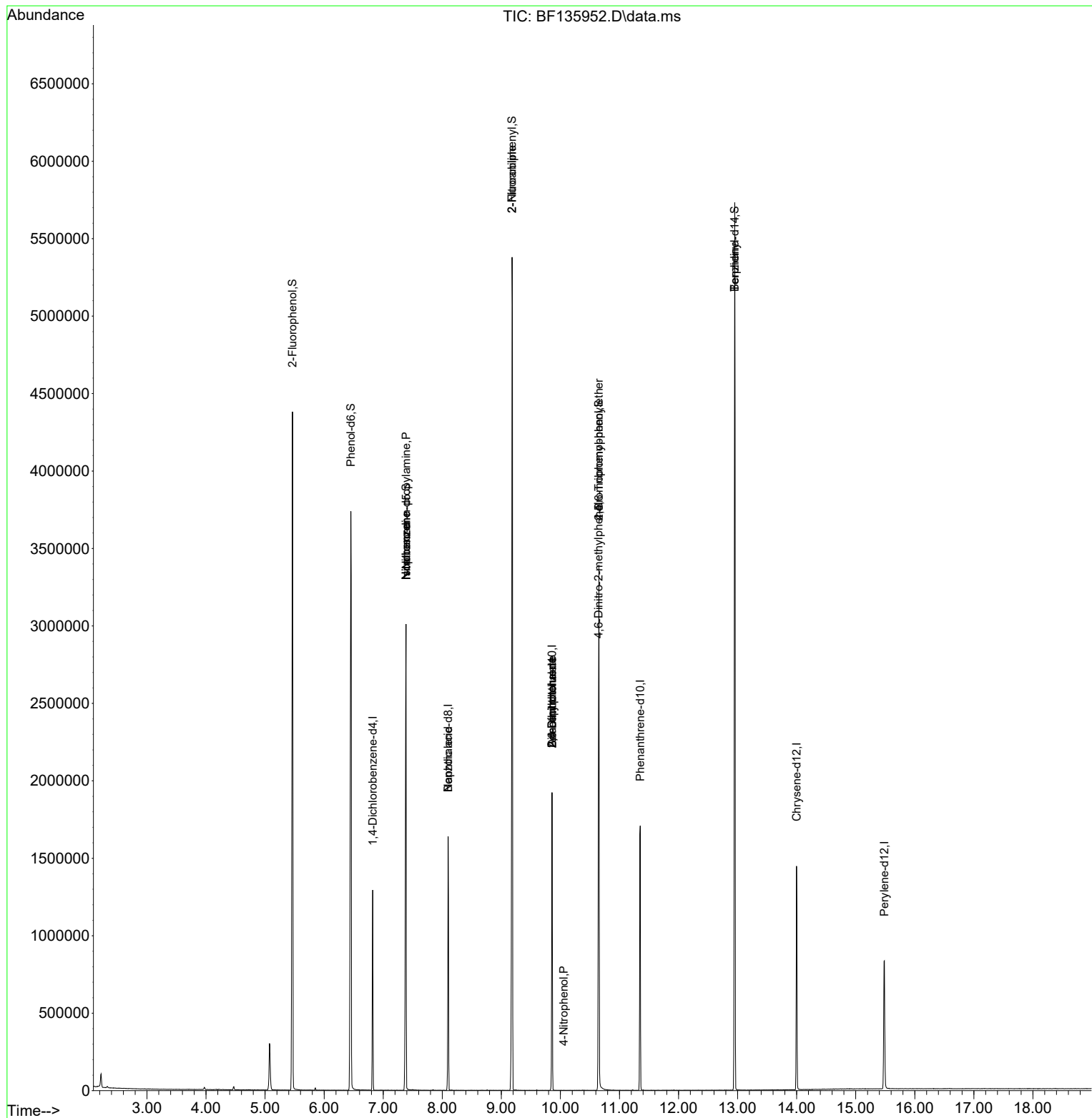
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.822  | 152  | 173591   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.098  | 136  | 683200   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.857  | 164  | 345326   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.351 | 188  | 640889   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.998 | 240  | 468251   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.486 | 264  | 392937   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.463  | 112  | 1346439  | 119.771 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.451  | 99   | 1688111  | 120.618 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.387  | 82   | 961506   | 90.205  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.651 | 330  | 423602   | 140.144 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.181  | 172  | 1820282  | 84.405  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 2151546  | 76.770  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.387  | 70   | 126070   | 15.841  | ng    | # 78     |
| 24) Nitrobenzene              | 7.387  | 77   | 2843     | 2.820   | ng    | # 29     |
| 25) Isophorone                | 7.387  | 82   | 961124   | 44.506  | ng    | # 64     |
| 32) Benzoic acid              | 8.098  | 122  | 54       | 5.729   | ng    | # 1      |
| 48) 2-Nitroaniline            | 9.181  | 65   | 2741     | 4.760   | ng    | # 1      |
| 50) Dimethylphthalate         | 9.857  | 163  | 69513    | 3.104   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.857  | 165  | 43853    | 13.351  | ng    | # 21     |
| 56) 4-Nitrophenol             | 10.057 | 139  | 72       | 6.199   | ng    | # 11     |
| 57) 2,4-Dinitrotoluene        | 9.857  | 165  | 43853    | 12.532  | ng    | # 26     |
| 65) 4,6-Dinitro-2-methylph... | 10.645 | 198  | 1189     | 7.645   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.651 | 248  | 27223    | 4.148   | ng    | # 1      |
| 77) Benzidine                 | 12.951 | 184  | 25578    | 2.833   | ng    | # 90     |
| -----                         |        |      |          |         |       |          |

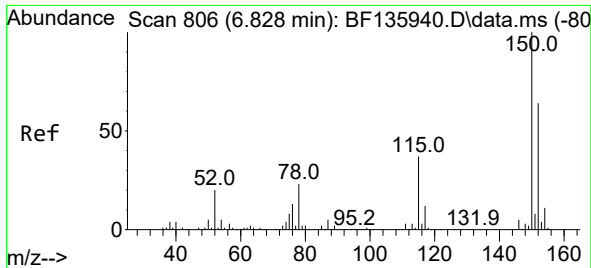
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102523\  
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Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

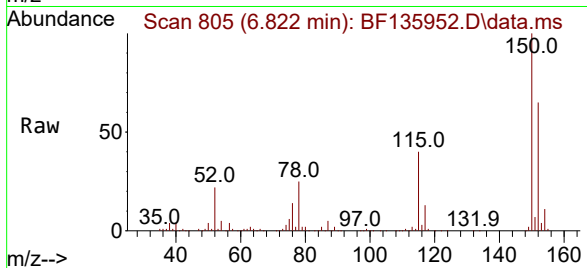
Quant Time: Oct 26 04:33:43 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 26 03:58:01 2023  
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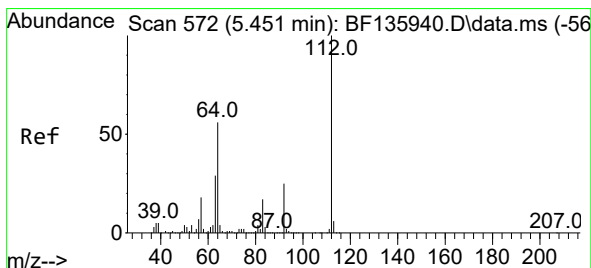
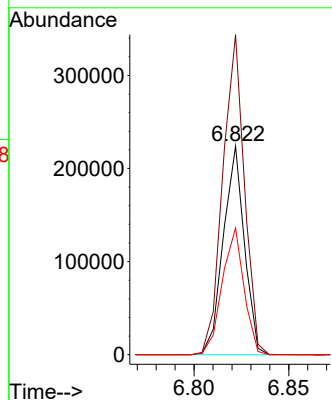
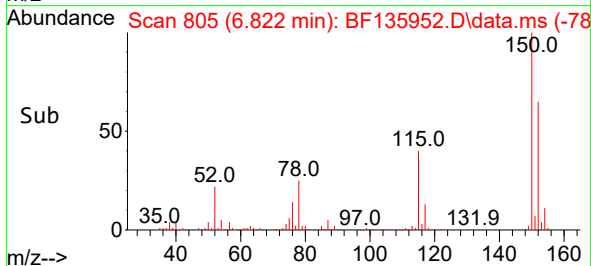


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 806  
Delta R.T. -0.006 min  
Lab File: BF135952.D  
Acq: 25 Oct 2023 20:59

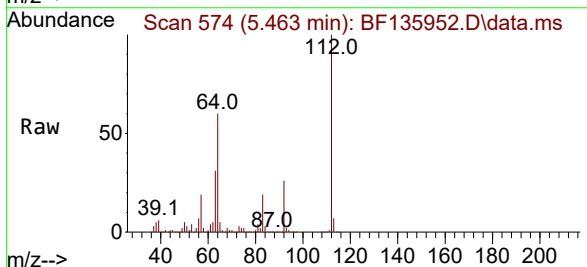
Instrument :  
BNA\_F  
ClientSampleId :



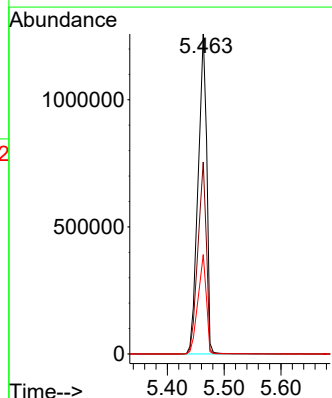
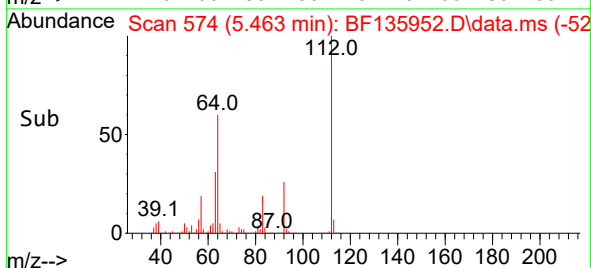
Tgt Ion:152 Resp: 173591  
Ion Ratio Lower Upper  
152 100  
150 153.4 124.6 186.8  
115 60.7 46.6 69.8

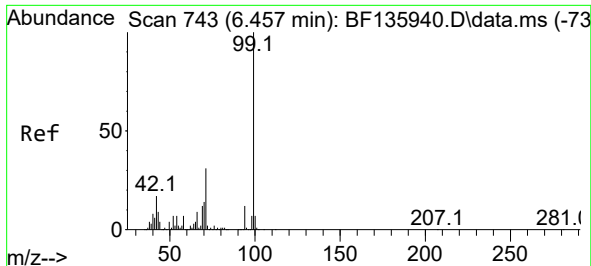


#5  
2-Fluorophenol  
Concen: 119.771 ng  
RT: 5.463 min Scan# 574  
Delta R.T. 0.012 min  
Lab File: BF135952.D  
Acq: 25 Oct 2023 20:59



Tgt Ion:112 Resp: 1346439  
Ion Ratio Lower Upper  
112 100  
64 60.0 45.1 67.7  
63 31.1 23.0 34.4

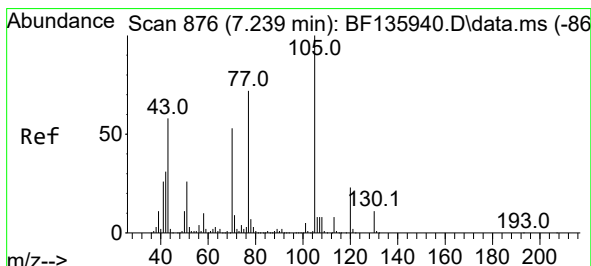
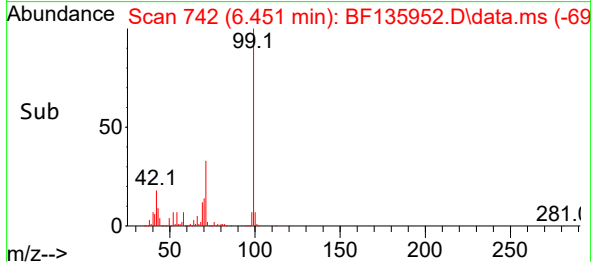
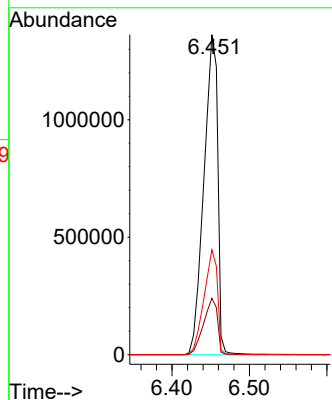
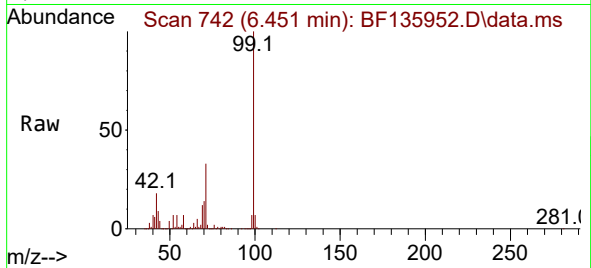




#7  
Phenol-d6  
Concen: 120.618 ng  
RT: 6.451 min Scan# 743  
Delta R.T. -0.006 min  
Lab File: BF135952.D  
Acq: 25 Oct 2023 20:59

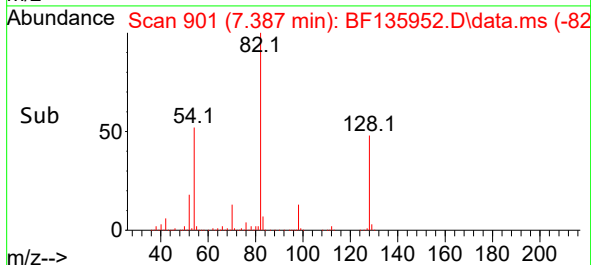
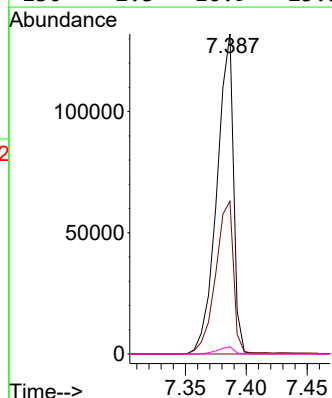
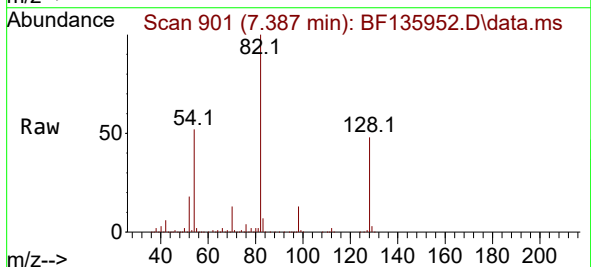
Instrument :  
BNA\_F  
ClientSampleId :

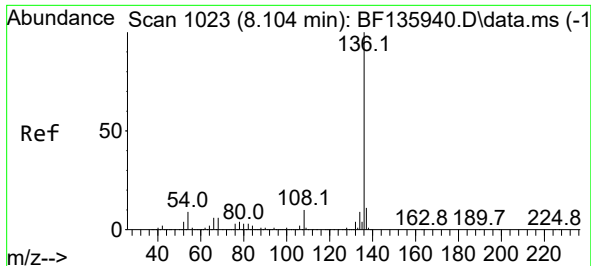
Tgt Ion: 99 Resp: 1688111  
Ion Ratio Lower Upper  
99 100  
42 17.7 13.8 20.8  
71 32.8 25.1 37.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 15.841 ng  
RT: 7.387 min Scan# 901  
Delta R.T. 0.147 min  
Lab File: BF135952.D  
Acq: 25 Oct 2023 20:59

Tgt Ion: 70 Resp: 126070  
Ion Ratio Lower Upper  
70 100  
42 47.7 47.3 70.9  
101 0.0 7.8 11.8#  
130 2.3 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.098 min Scan# 1

Delta R.T. -0.006 min

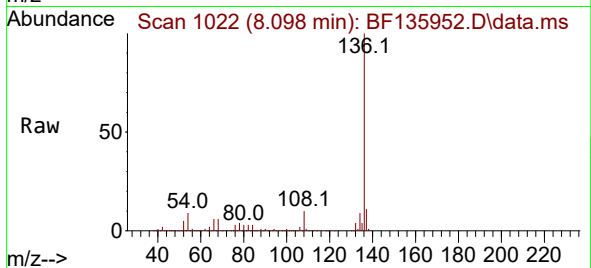
Lab File: BF135952.D

Acq: 25 Oct 2023 20:59

Instrument :

BNA\_F

ClientSampleId :



Tgt Ion:136 Resp: 683200

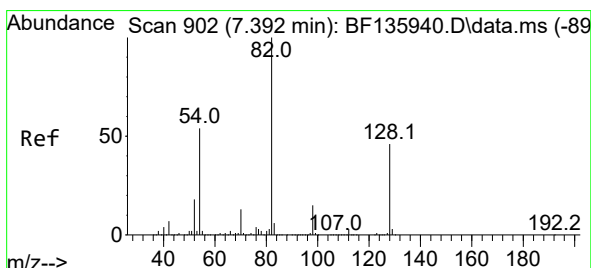
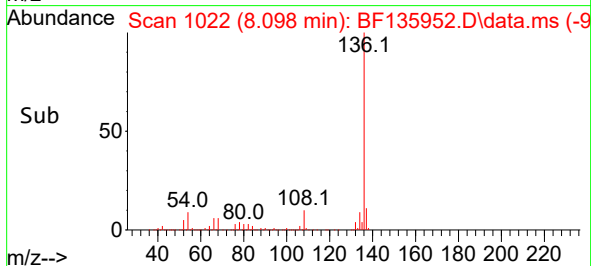
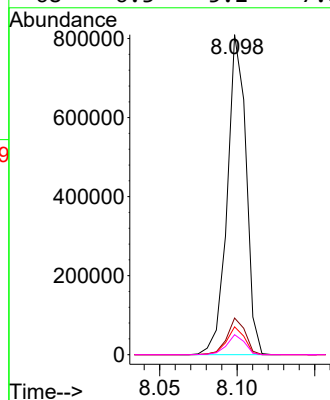
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.6

54 8.7 7.1 10.7

68 6.3 5.2 7.8



#23

Nitrobenzene-d5

Concen: 90.205 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.005 min

Lab File: BF135952.D

Acq: 25 Oct 2023 20:59

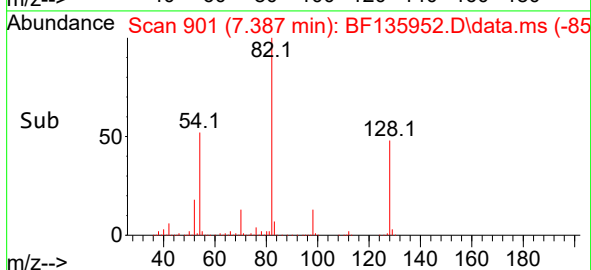
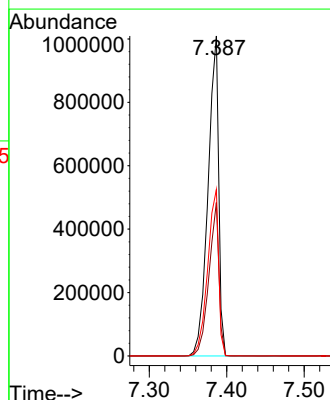
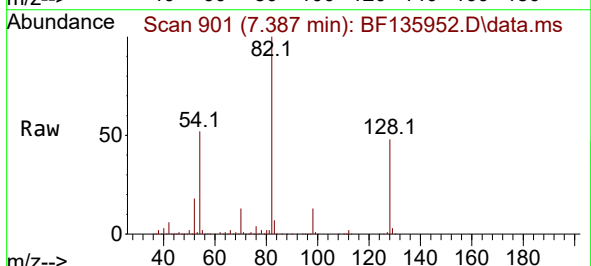
Tgt Ion: 82 Resp: 961506

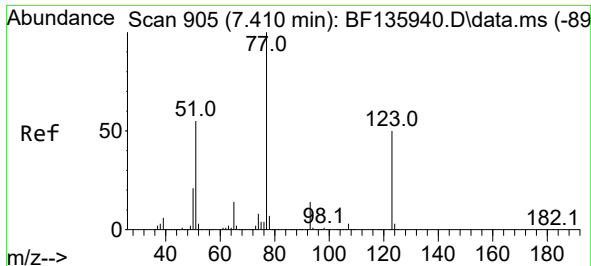
Ion Ratio Lower Upper

82 100

128 48.0 36.8 55.2

54 52.0 43.4 65.0

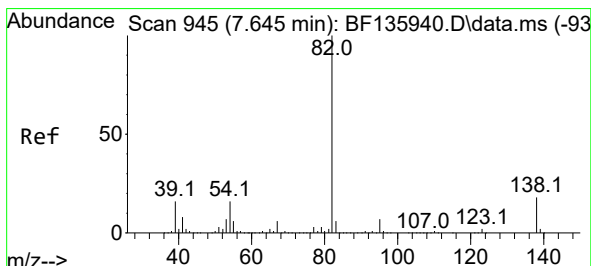
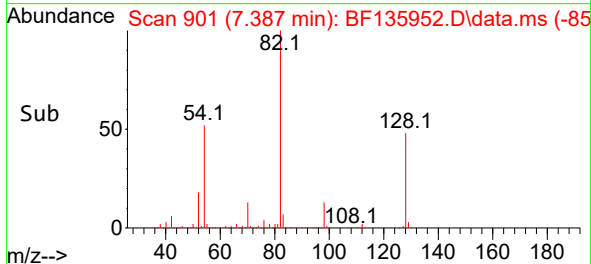
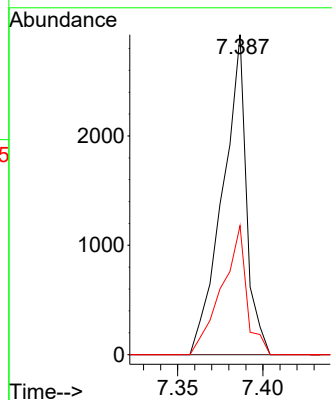
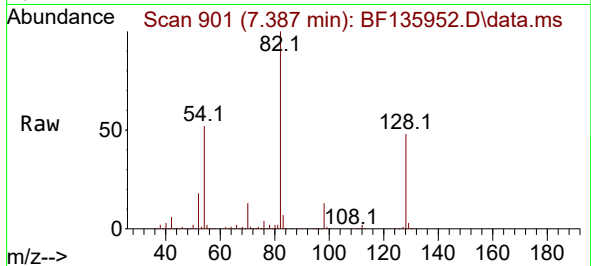




#24  
Nitrobenzene  
Concen: 2.820 ng  
RT: 7.387 min Scan# 901  
Delta R.T. -0.023 min  
Lab File: BF135952.D  
Acq: 25 Oct 2023 20:59

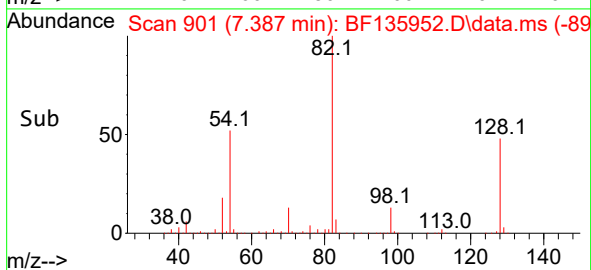
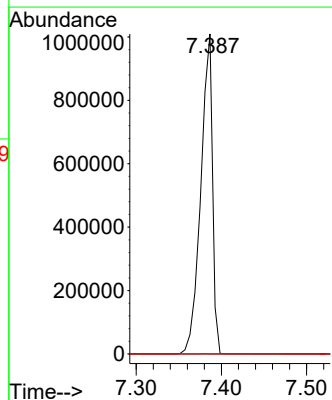
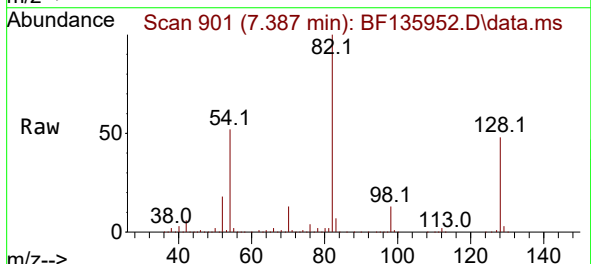
Instrument :  
BNA\_F  
ClientSampleId :

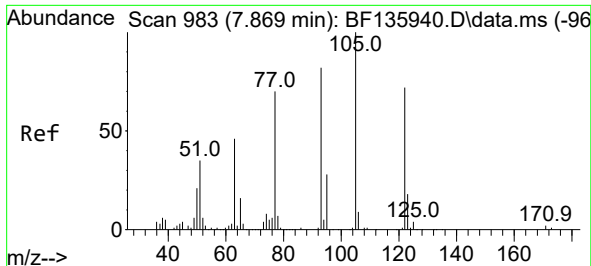
Tgt Ion: 77 Resp: 2843  
Ion Ratio Lower Upper  
77 100  
123 0.0 40.2 60.2#  
65 40.3 11.0 16.4#



#25  
Isophorone  
Concen: 44.506 ng  
RT: 7.387 min Scan# 901  
Delta R.T. -0.259 min  
Lab File: BF135952.D  
Acq: 25 Oct 2023 20:59

Tgt Ion: 82 Resp: 961124  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 14.8 22.2#

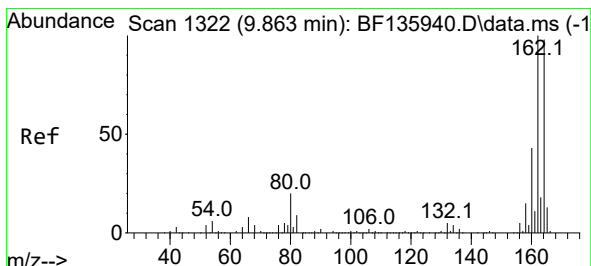
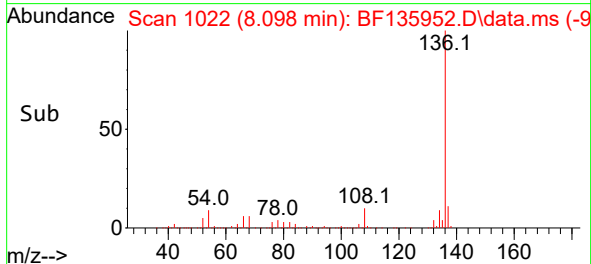
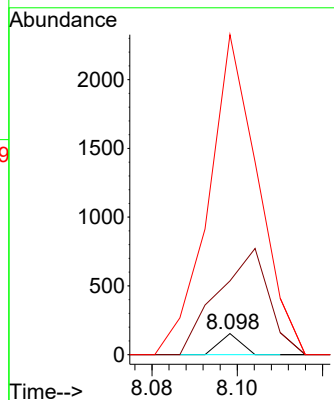
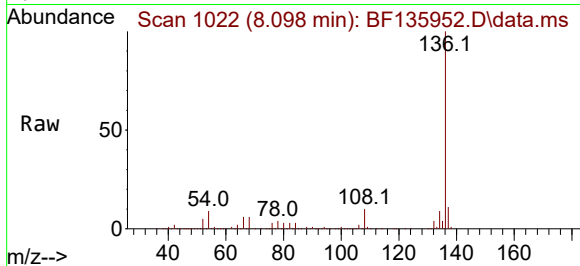




#32  
Benzoic acid  
Concen: 5.729 ng  
RT: 8.098 min Scan# 10  
Delta R.T. 0.229 min  
Lab File: BF135952.D  
Acq: 25 Oct 2023 20:59

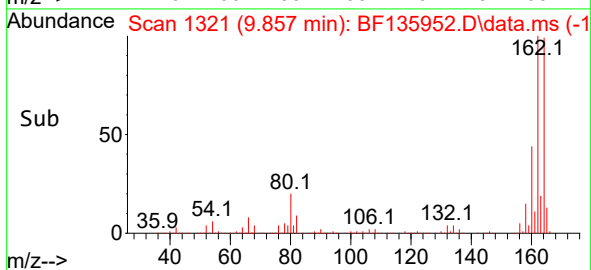
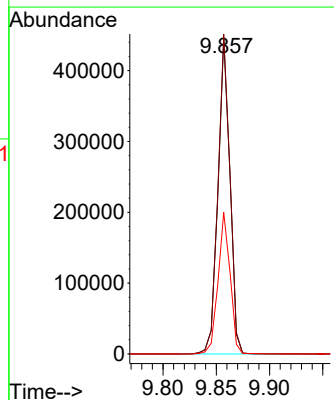
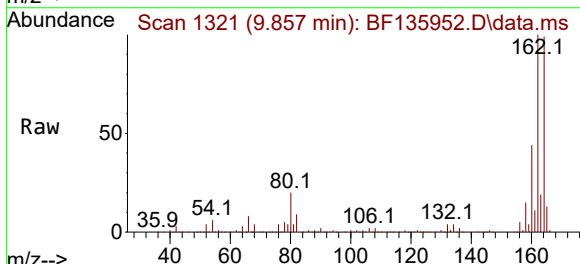
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BNA\_F  
ClientSampleId :

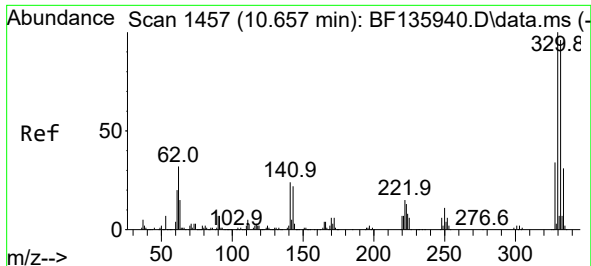
Tgt Ion:122 Resp: 54  
Ion Ratio Lower Upper  
122 100  
105 348.1 113.1 153.1#  
77 1511.0 75.2 115.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. -0.006 min  
Lab File: BF135952.D  
Acq: 25 Oct 2023 20:59

Tgt Ion:164 Resp: 345326  
Ion Ratio Lower Upper  
164 100  
162 101.4 82.0 123.0  
160 44.9 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 140.144 ng

RT: 10.651 min Scan# 1457

Delta R.T. -0.006 min

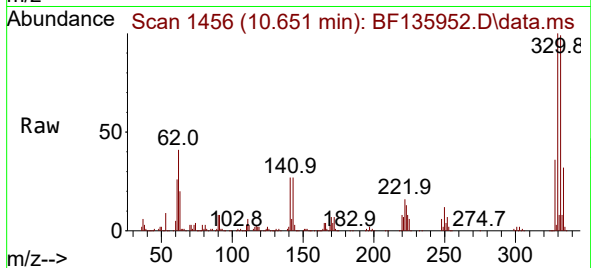
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Acq: 25 Oct 2023 20:59

Instrument :

BNA\_F

ClientSampleId :



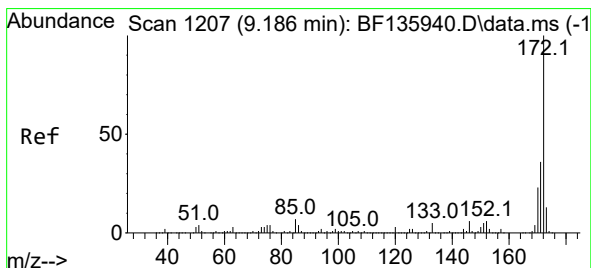
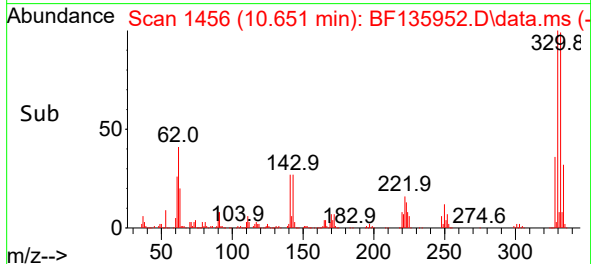
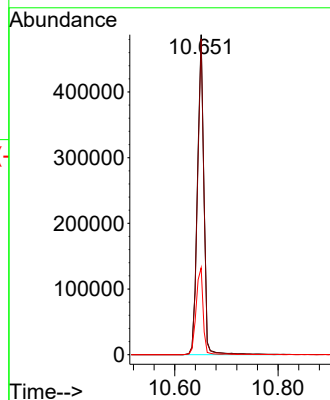
Tgt Ion:330 Resp: 423602

Ion Ratio Lower Upper

330 100

332 97.7 77.4 116.2

141 29.3 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 84.405 ng

RT: 9.181 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF135952.D

Acq: 25 Oct 2023 20:59

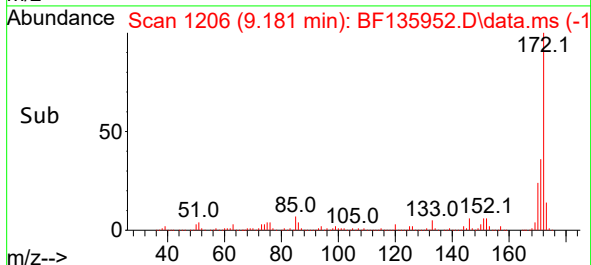
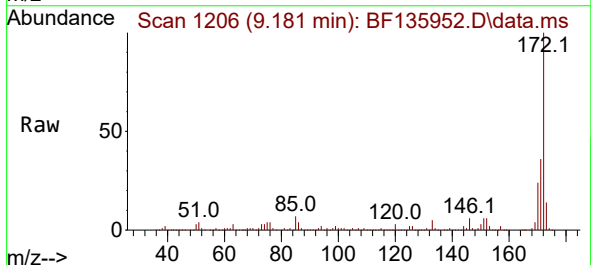
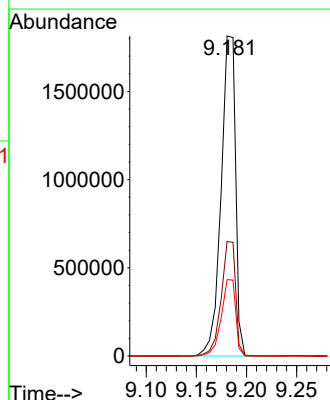
Tgt Ion:172 Resp: 1820282

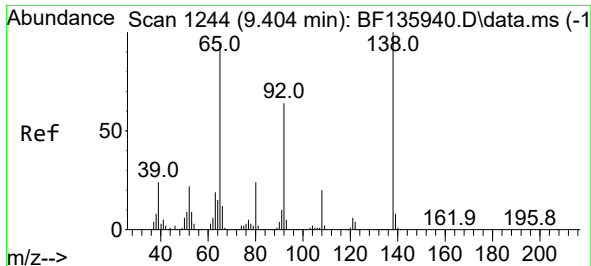
Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

170 23.8 18.6 28.0

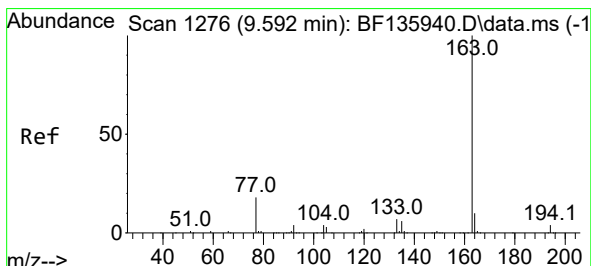
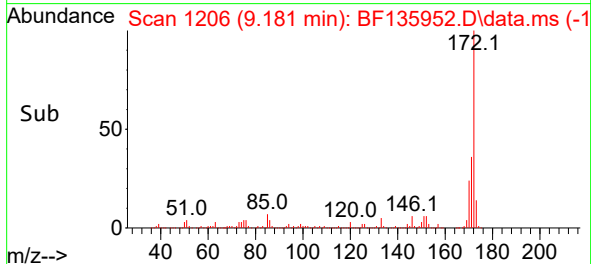
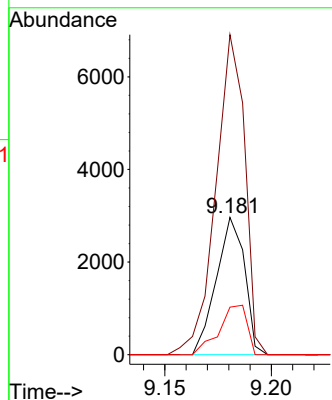
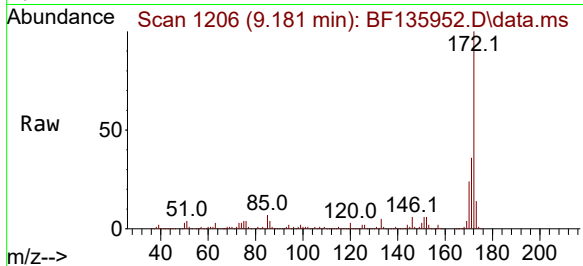




#48  
2-Nitroaniline  
Concen: 4.760 ng  
RT: 9.181 min Scan# 11  
Delta R.T. -0.223 min  
Lab File: BF135952.D  
Acq: 25 Oct 2023 20:59

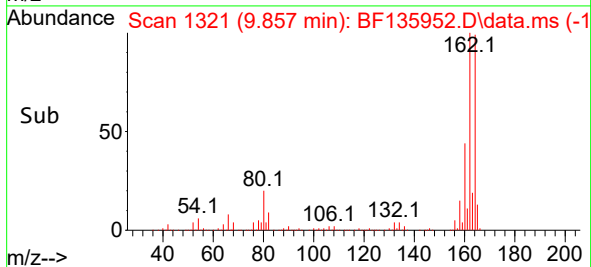
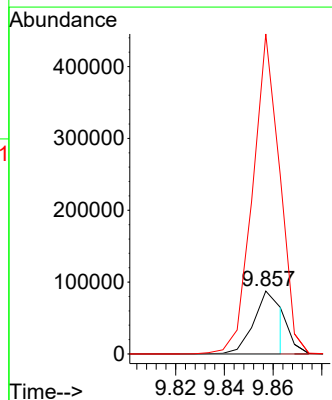
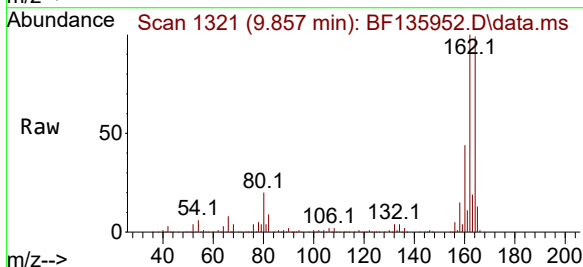
Instrument :  
BNA\_F  
ClientSampleId :

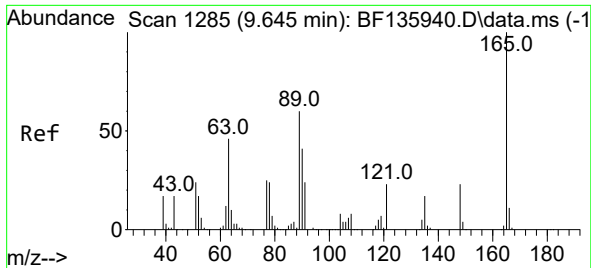
Tgt Ion: 65 Resp: 2741  
Ion Ratio Lower Upper  
65 100  
92 233.2 54.9 82.3#  
138 34.6 85.2 127.8#



#50  
Dimethylphthalate  
Concen: 3.104 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. 0.265 min  
Lab File: BF135952.D  
Acq: 25 Oct 2023 20:59

Tgt Ion: 163 Resp: 69513  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.4 5.0#  
164 509.3 8.3 12.5#





#51

2,6-Dinitrotoluene

Concen: 13.351 ng

RT: 9.857 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF135952.D

Acq: 25 Oct 2023 20:59

Instrument :

BNA\_F

ClientSampleId :

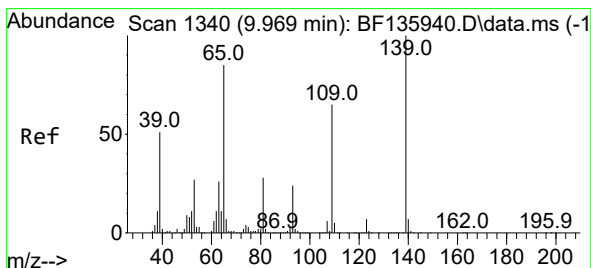
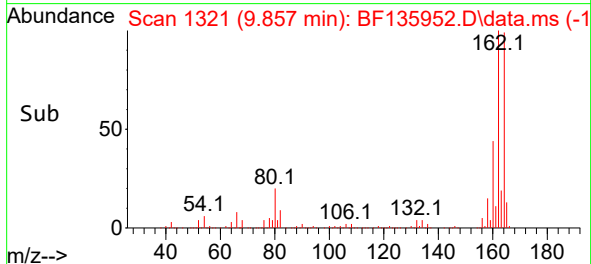
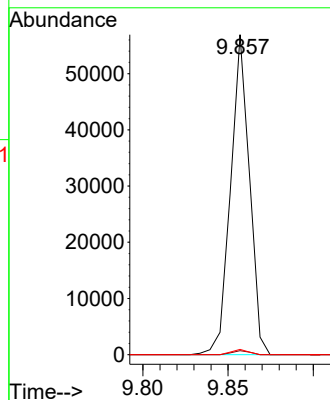
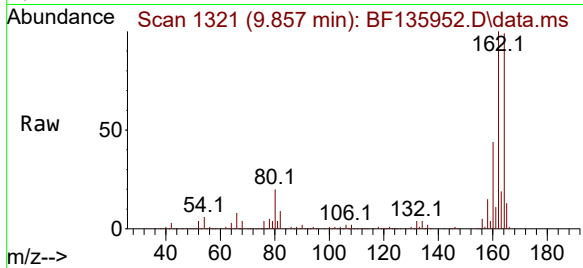
Tgt Ion:165 Resp: 43853

Ion Ratio Lower Upper

165 100

63 1.3 51.7 77.5#

89 1.6 48.3 72.5#



#56

4-Nitrophenol

Concen: 6.199 ng

RT: 10.057 min Scan# 1355

Delta R.T. 0.088 min

Lab File: BF135952.D

Acq: 25 Oct 2023 20:59

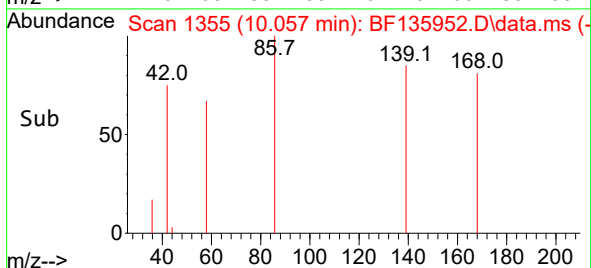
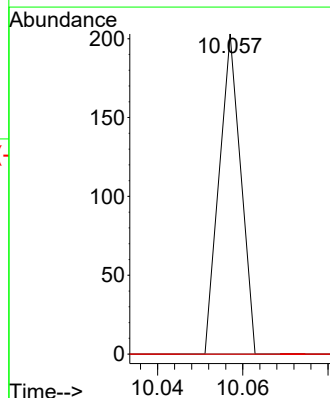
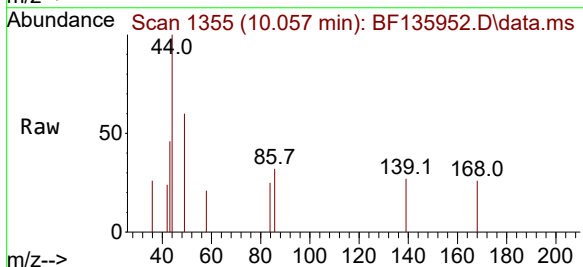
Tgt Ion:139 Resp: 72

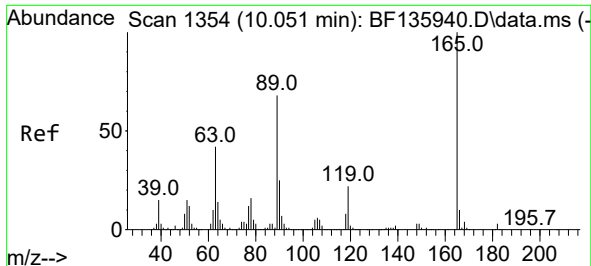
Ion Ratio Lower Upper

139 100

109 0.0 45.2 85.2#

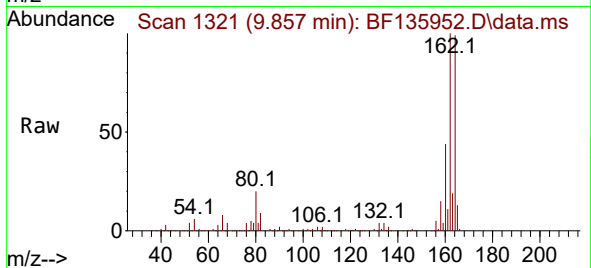
65 0.0 65.1 105.1#



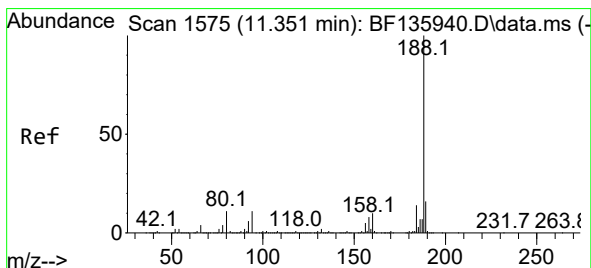
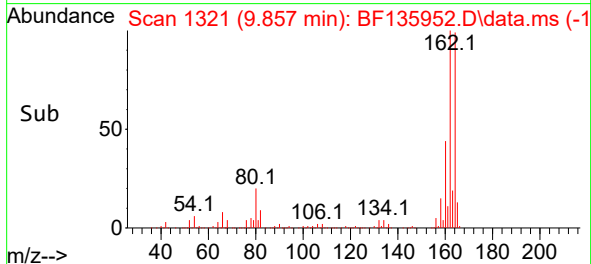
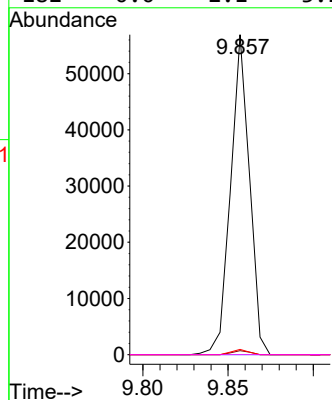


#57  
2,4-Dinitrotoluene  
Concen: 12.532 ng  
RT: 9.857 min Scan# 11  
Delta R.T. -0.194 min  
Lab File: BF135952.D  
Acq: 25 Oct 2023 20:59

Instrument :  
BNA\_F  
ClientSampleId :

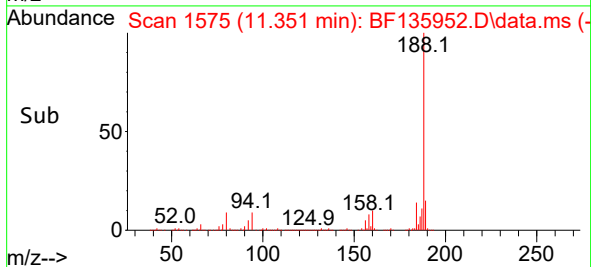
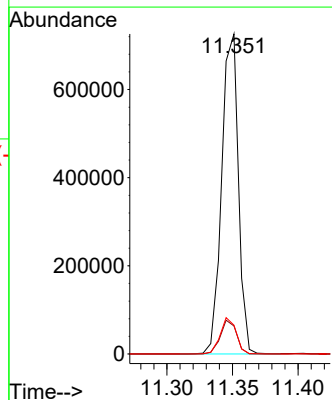
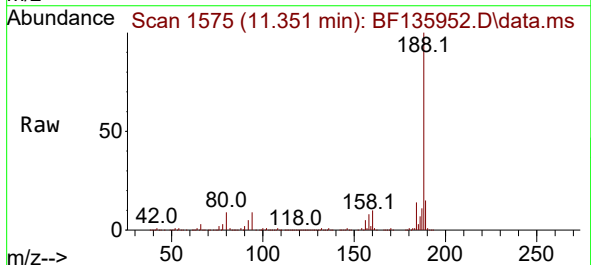


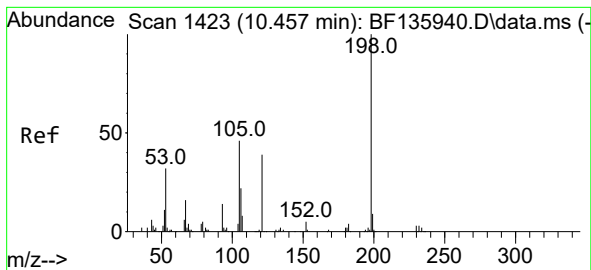
Tgt Ion:165 Resp: 43853  
Ion Ratio Lower Upper  
165 100  
63 1.3 33.7 50.5#  
89 1.6 54.6 81.8#  
182 0.0 2.1 3.1#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.351 min Scan# 1575  
Delta R.T. 0.000 min  
Lab File: BF135952.D  
Acq: 25 Oct 2023 20:59

Tgt Ion:188 Resp: 640889  
Ion Ratio Lower Upper  
188 100  
94 8.7 8.6 13.0  
80 9.0 9.0 13.6#

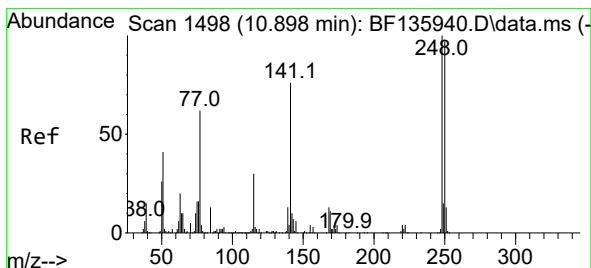
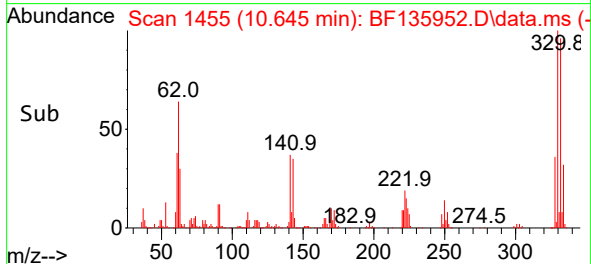
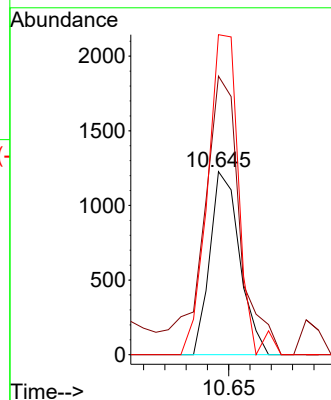
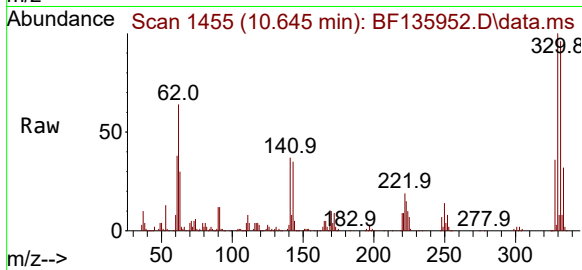




#65  
4,6-Dinitro-2-methylphenol  
Concen: 7.645 ng  
RT: 10.645 min Scan# 1423  
Delta R.T. 0.188 min  
Lab File: BF135952.D  
Acq: 25 Oct 2023 20:59

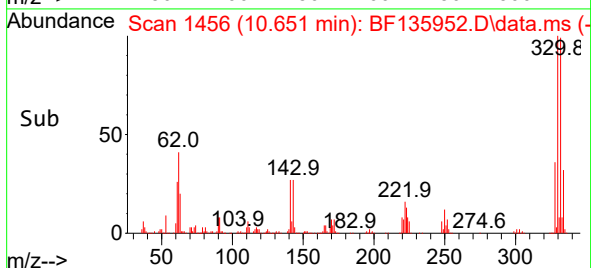
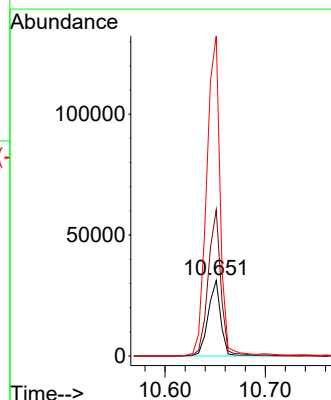
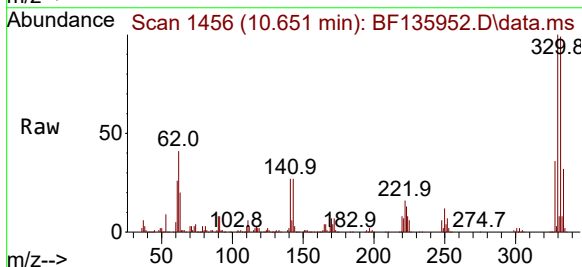
Instrument :  
BNA\_F  
ClientSampleId :

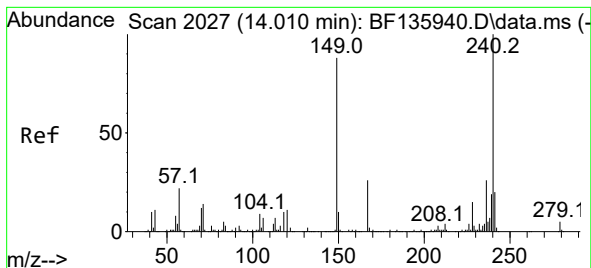
Tgt Ion:198 Resp: 1189  
Ion Ratio Lower Upper  
198 100  
51 152.2 28.7 68.7#  
105 174.9 27.2 67.2#



#67  
4-Bromophenyl-phenylether  
Concen: 4.148 ng  
RT: 10.651 min Scan# 1456  
Delta R.T. -0.247 min  
Lab File: BF135952.D  
Acq: 25 Oct 2023 20:59

Tgt Ion:248 Resp: 27223  
Ion Ratio Lower Upper  
248 100  
250 193.5 77.9 116.9#  
141 423.2 60.8 91.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135952.D

Acq: 25 Oct 2023 20:59

Instrument :

BNA\_F

ClientSampleId :

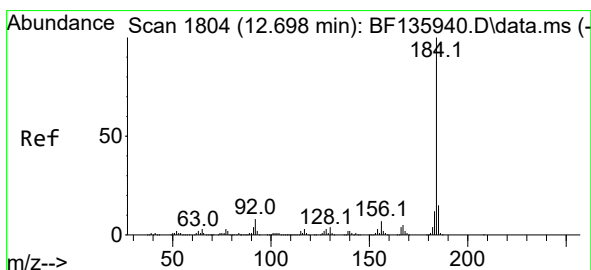
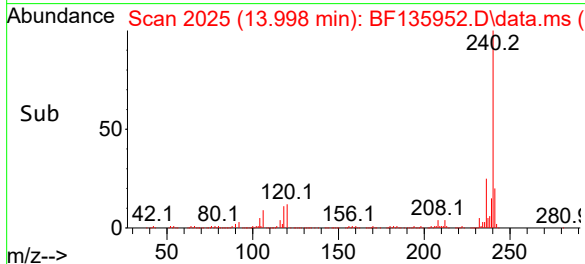
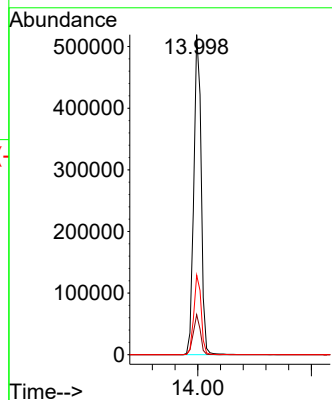
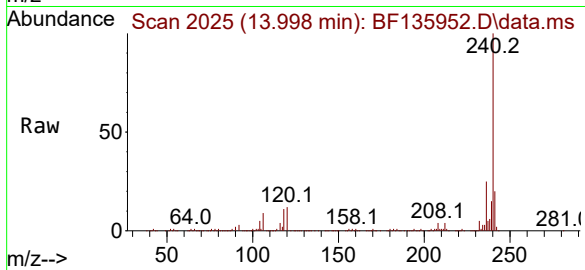
Tgt Ion:240 Resp: 468251

Ion Ratio Lower Upper

240 100

120 12.5 8.6 13.0

236 24.8 20.6 30.8



#77

Benidine

Concen: 2.833 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.253 min

Lab File: BF135952.D

Acq: 25 Oct 2023 20:59

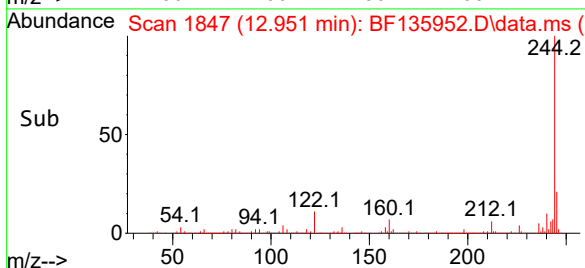
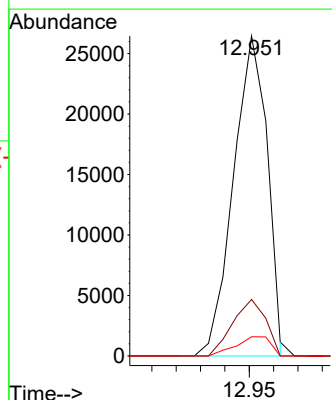
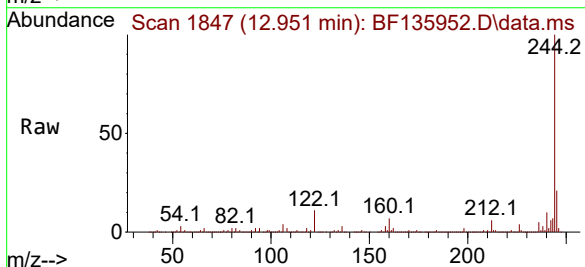
Tgt Ion:184 Resp: 25578

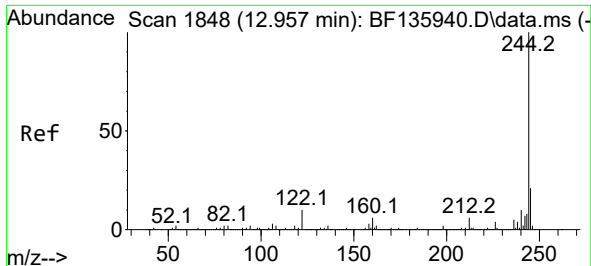
Ion Ratio Lower Upper

184 100

185 17.7 11.7 17.5#

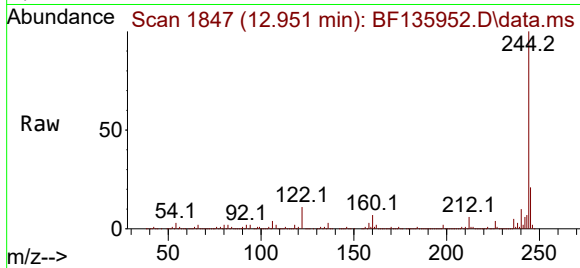
183 6.0 9.2 13.8#



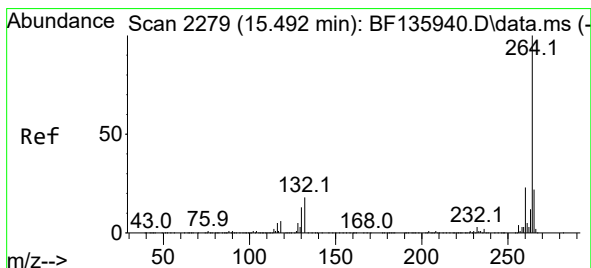
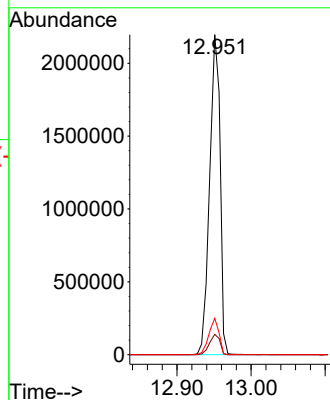
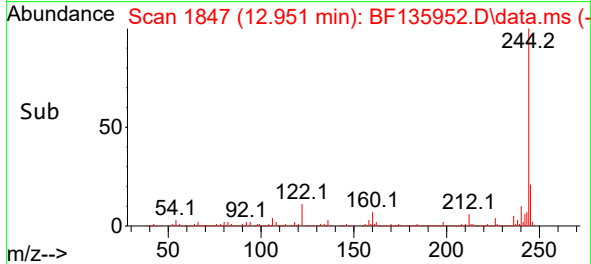


#79  
 Terphenyl-d14  
 Concen: 76.770 ng  
 RT: 12.951 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF135952.D  
 Acq: 25 Oct 2023 20:59

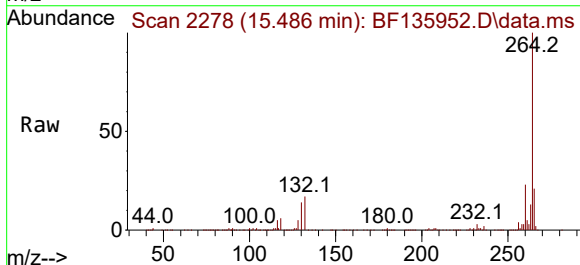
Instrument :  
 BNA\_F  
 ClientSampleId :



Tgt Ion:244 Resp: 2151546  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.0 7.6  
 122 11.4 8.0 12.0



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.486 min Scan# 2278  
 Delta R.T. -0.006 min  
 Lab File: BF135952.D  
 Acq: 25 Oct 2023 20:59



Tgt Ion:264 Resp: 392937  
 Ion Ratio Lower Upper  
 264 100  
 260 23.0 18.6 28.0  
 265 21.0 17.3 25.9

