

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102523\  
 Data File : BF135956.D  
 Acq On : 25 Oct 2023 23:03  
 Operator : CG\JU  
 Sample : PB155810TB  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 26 04:35:22 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

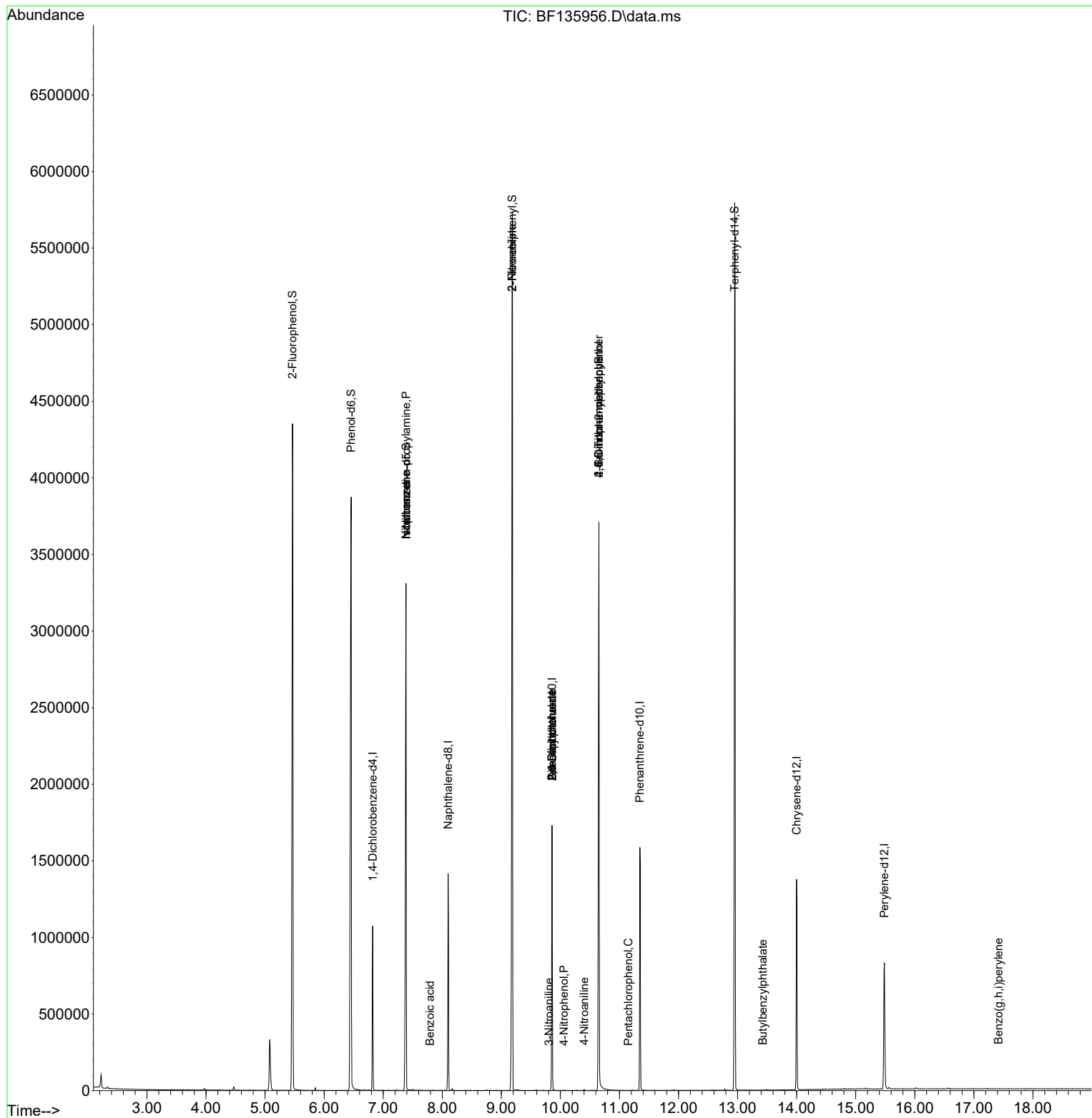
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.822  | 152  | 144054   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.098  | 136  | 596706   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.857  | 164  | 312404   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.345 | 188  | 588424   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.998 | 240  | 445083   | 20.000  | ng    | #-0.01   |
| 86) Perylene-d12              | 15.486 | 264  | 390098   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.463  | 112  | 1467956  | 157.355 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.457  | 99   | 1805098  | 155.422 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.387  | 82   | 1048295  | 110.173 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.651 | 330  | 471697   | 172.501 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.186  | 172  | 1942716  | 99.575  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 2360822  | 88.622  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.387  | 70   | 139179   | 21.073  | ng    | # 76     |
| 24) Nitrobenzene              | 7.387  | 77   | 3426     | 2.910   | ng    | # 31     |
| 25) Isophorone                | 7.387  | 82   | 1046785  | 55.499  | ng    | # 64     |
| 32) Benzoic acid              | 7.792  | 122  | 80       | 5.742   | ng    | # 1      |
| 48) 2-Nitroaniline            | 9.181  | 65   | 2882     | 4.849   | ng    | # 1      |
| 50) Dimethylphthalate         | 9.857  | 163  | 62454    | 3.083   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.857  | 165  | 39867    | 13.393  | ng    | # 21     |
| 53) 3-Nitroaniline            | 9.804  | 138  | 68       | 4.574   | ng    | # 90     |
| 56) 4-Nitrophenol             | 10.063 | 139  | 434      | 6.282   | ng    | # 11     |
| 57) 2,4-Dinitrotoluene        | 9.857  | 165  | 39867    | 12.565  | ng    | # 26     |
| 62) 4-Nitroaniline            | 10.404 | 138  | 70       | 4.662   | ng    | # 18     |
| 65) 4,6-Dinitro-2-methylph... | 10.651 | 198  | 1096     | 7.648   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.651 | 248  | 28298    | 4.696   | ng    | # 1      |
| 70) Pentachlorophenol         | 11.151 | 266  | 75       | 4.242   | ng    | # 19     |
| 80) Butylbenzylphthalate      | 13.427 | 149  | 276      | 3.845   | ng    | # 81     |
| 92) Benzo(g,h,i)perylene      | 17.415 | 276  | 370      | 3.774   | ng    | # 52     |

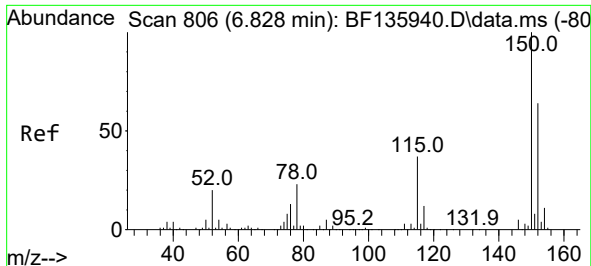
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102523\  
Data File : BF135956.D  
Acq On : 25 Oct 2023 23:03  
Operator : CG\JU  
Sample : PB155810TB  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

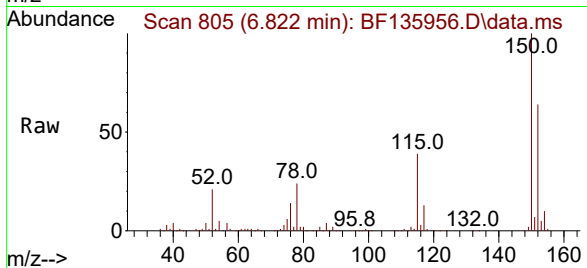
Quant Time: Oct 26 04:35:22 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 26 03:58:01 2023  
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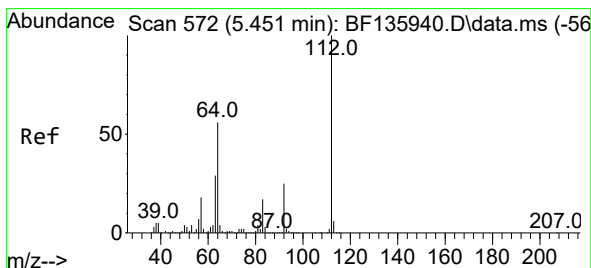
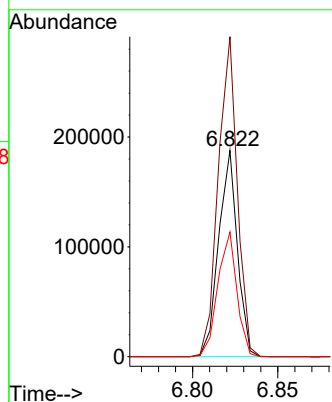
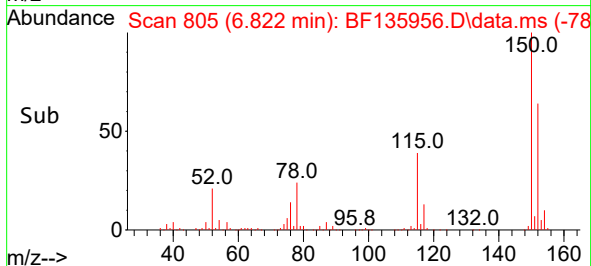


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 806  
Delta R.T. -0.006 min  
Lab File: BF135956.D  
Acq: 25 Oct 2023 23:03

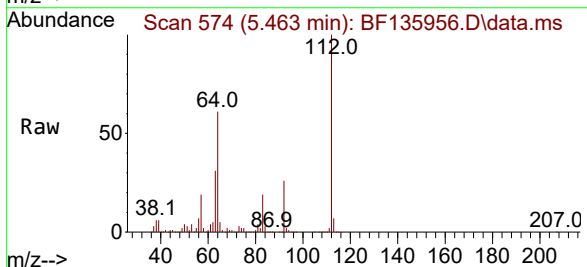
Instrument :  
BNA\_F  
ClientSampleId :



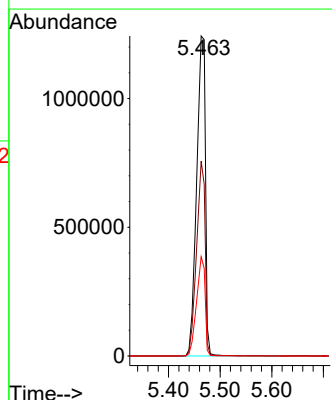
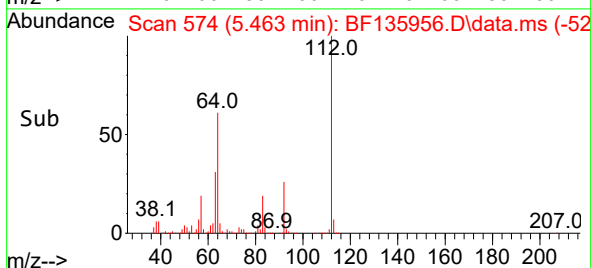
Tgt Ion:152 Resp: 144054  
Ion Ratio Lower Upper  
152 100  
150 155.2 124.6 186.8  
115 60.5 46.6 69.8

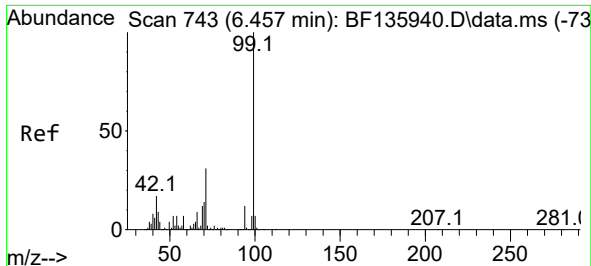


#5  
2-Fluorophenol  
Concen: 157.355 ng  
RT: 5.463 min Scan# 574  
Delta R.T. 0.012 min  
Lab File: BF135956.D  
Acq: 25 Oct 2023 23:03



Tgt Ion:112 Resp: 1467956  
Ion Ratio Lower Upper  
112 100  
64 60.9 45.1 67.7  
63 31.0 23.0 34.4

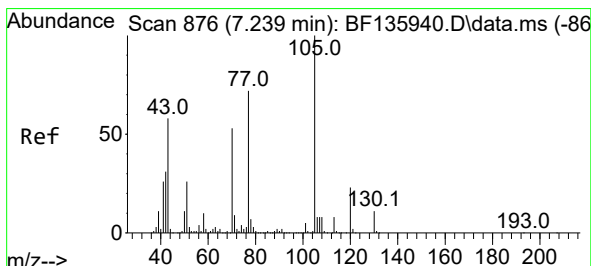
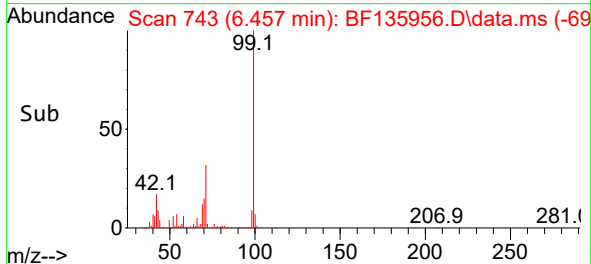
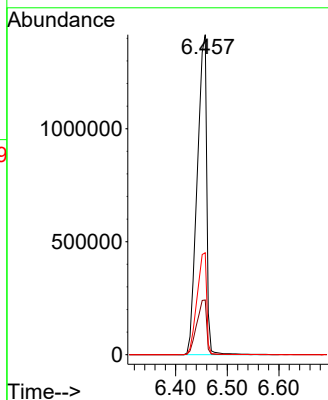
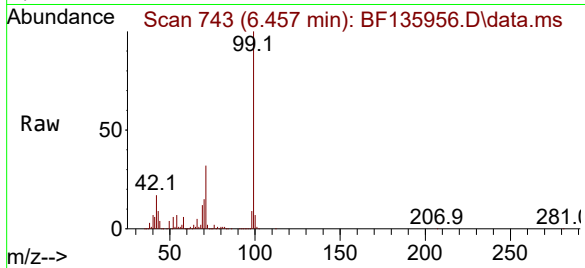




#7  
Phenol-d6  
Concen: 155.422 ng  
RT: 6.457 min Scan# 743  
Delta R.T. 0.000 min  
Lab File: BF135956.D  
Acq: 25 Oct 2023 23:03

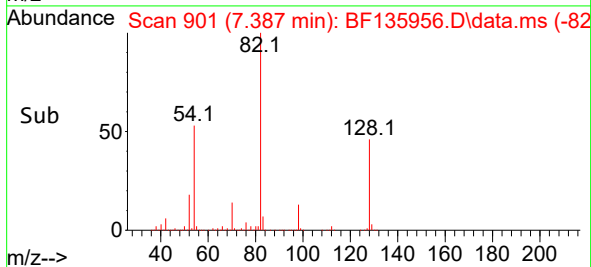
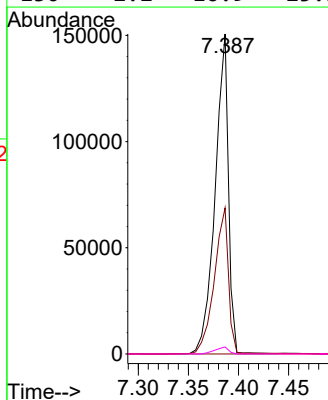
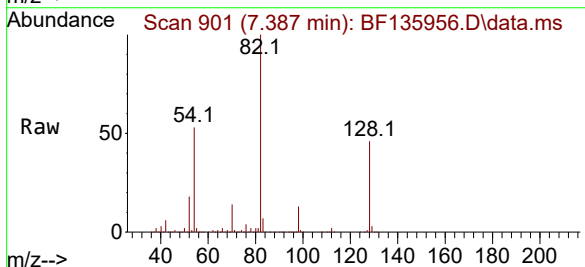
Instrument :  
BNA\_F  
ClientSampleId :

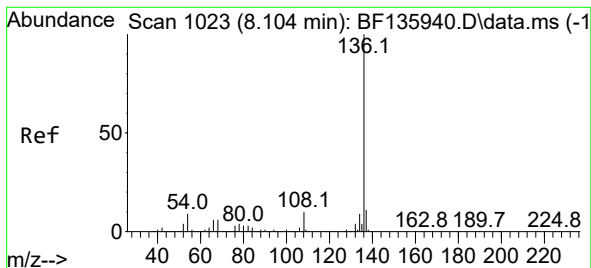
Tgt Ion: 99 Resp: 1805098  
Ion Ratio Lower Upper  
99 100  
42 17.1 13.8 20.8  
71 31.9 25.1 37.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 21.073 ng  
RT: 7.387 min Scan# 901  
Delta R.T. 0.147 min  
Lab File: BF135956.D  
Acq: 25 Oct 2023 23:03

Tgt Ion: 70 Resp: 139179  
Ion Ratio Lower Upper  
70 100  
42 45.6 47.3 70.9#  
101 0.0 7.8 11.8#  
130 2.2 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.098 min Scan# 1

Delta R.T. -0.006 min

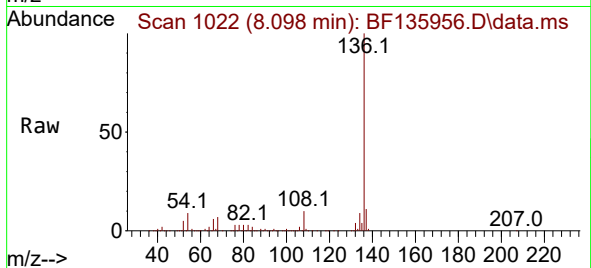
Lab File: BF135956.D

Acq: 25 Oct 2023 23:03

Instrument :

BNA\_F

ClientSampleId :



Tgt Ion:136 Resp: 596706

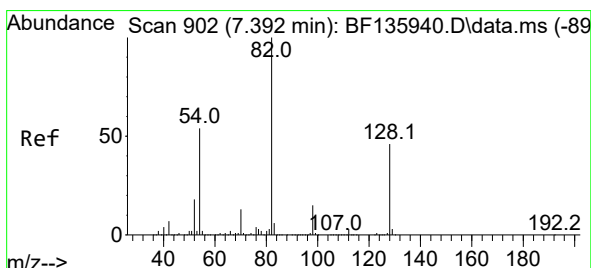
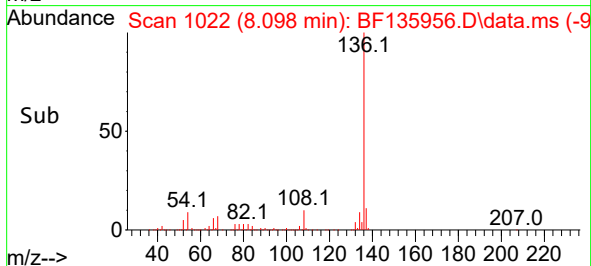
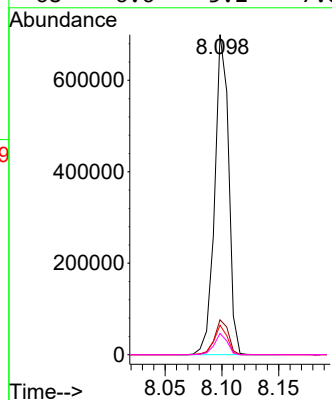
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 9.2 7.1 10.7

68 6.6 5.2 7.8



#23

Nitrobenzene-d5

Concen: 110.173 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.005 min

Lab File: BF135956.D

Acq: 25 Oct 2023 23:03

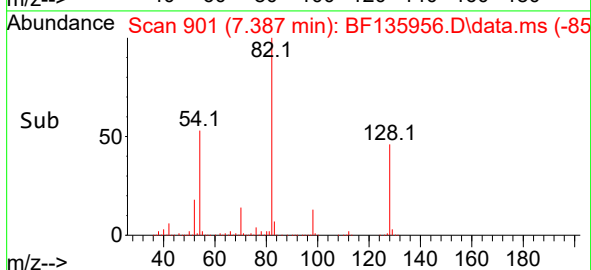
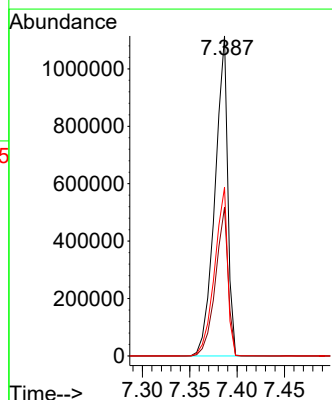
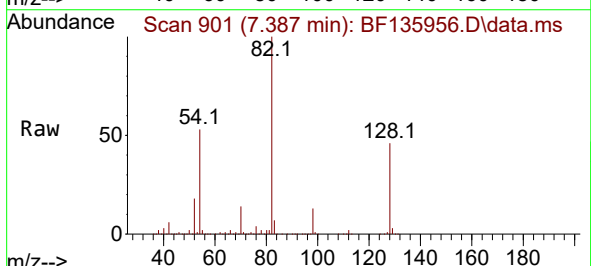
Tgt Ion: 82 Resp: 1048295

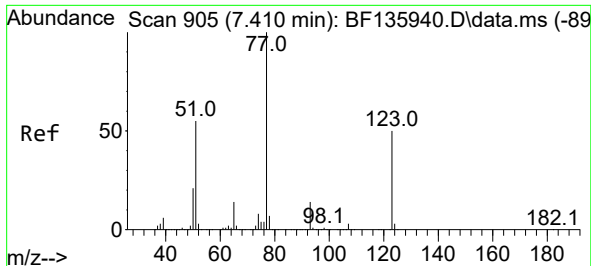
Ion Ratio Lower Upper

82 100

128 46.5 36.8 55.2

54 52.7 43.4 65.0

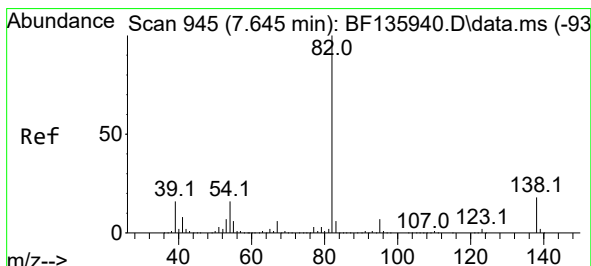
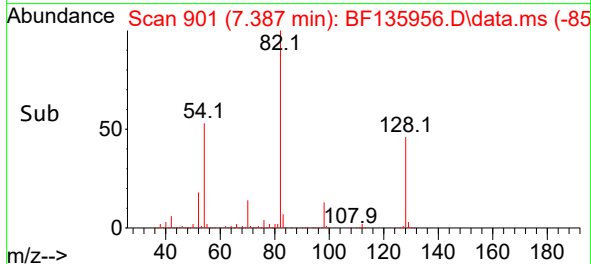
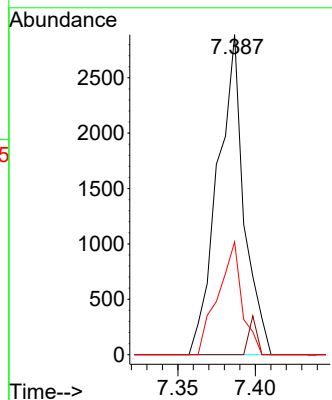
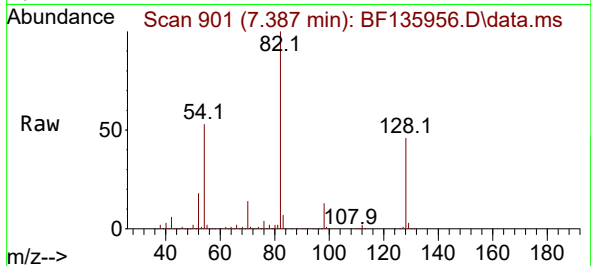




#24  
Nitrobenzene  
Concen: 2.910 ng  
RT: 7.387 min Scan# 901  
Delta R.T. -0.023 min  
Lab File: BF135956.D  
Acq: 25 Oct 2023 23:03

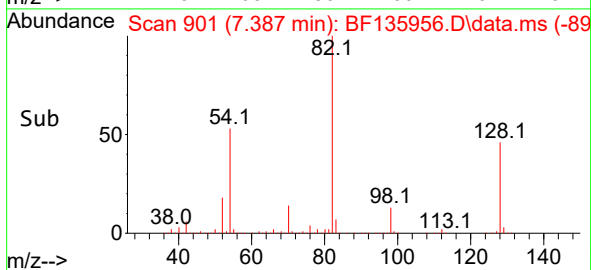
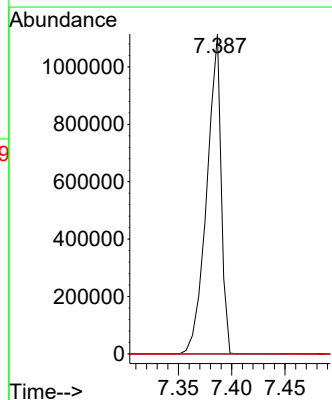
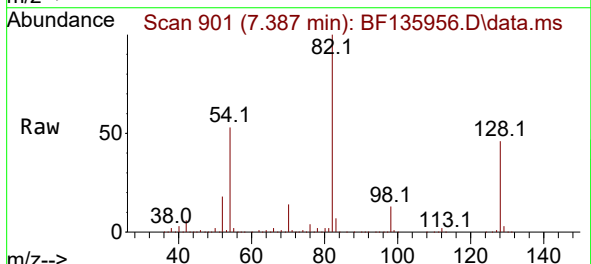
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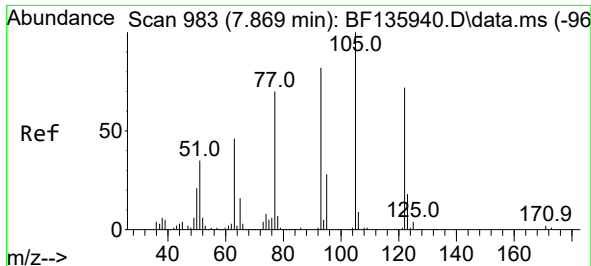
Tgt Ion: 77 Resp: 3426  
Ion Ratio Lower Upper  
77 100  
123 0.0 40.2 60.2#  
65 35.2 11.0 16.4#



#25  
Isophorone  
Concen: 55.499 ng  
RT: 7.387 min Scan# 901  
Delta R.T. -0.259 min  
Lab File: BF135956.D  
Acq: 25 Oct 2023 23:03

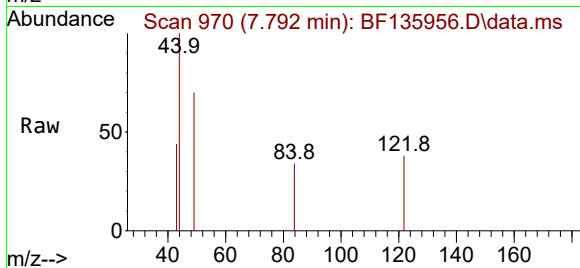
Tgt Ion: 82 Resp: 1046785  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 14.8 22.2#



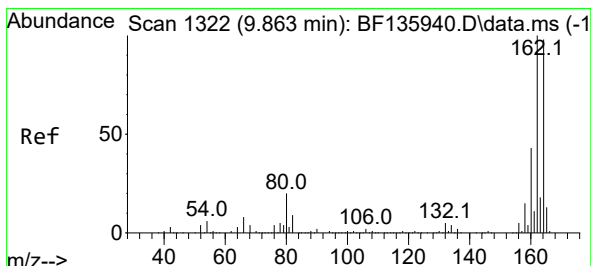
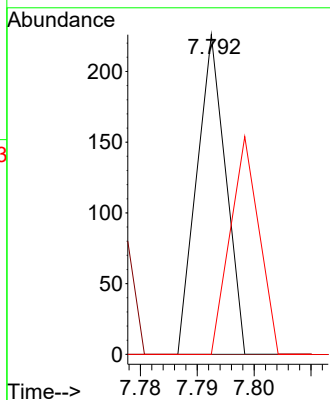
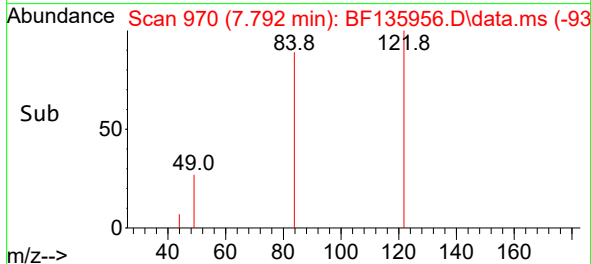


#32  
Benzoic acid  
Concen: 5.742 ng  
RT: 7.792 min Scan# 91  
Delta R.T. -0.077 min  
Lab File: BF135956.D  
Acq: 25 Oct 2023 23:03

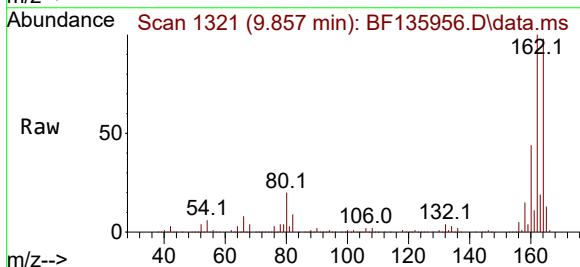
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BNA\_F  
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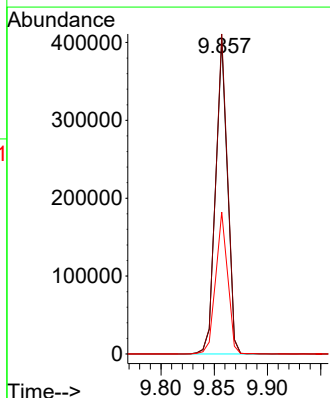
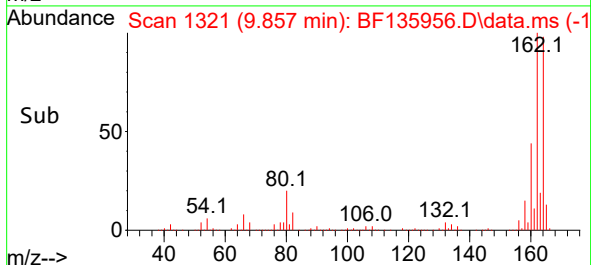
Tgt Ion:122 Resp: 80  
Ion Ratio Lower Upper  
122 100  
105 0.0 113.1 153.1#  
77 0.0 75.2 115.2#

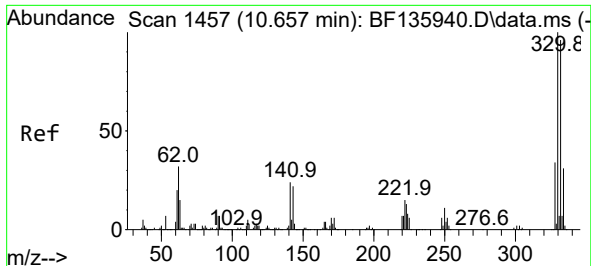


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. -0.006 min  
Lab File: BF135956.D  
Acq: 25 Oct 2023 23:03



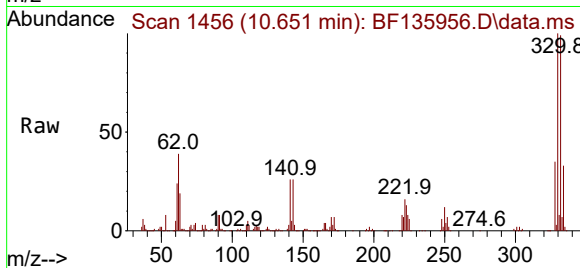
Tgt Ion:164 Resp: 312404  
Ion Ratio Lower Upper  
164 100  
162 101.9 82.0 123.0  
160 45.2 35.6 53.4



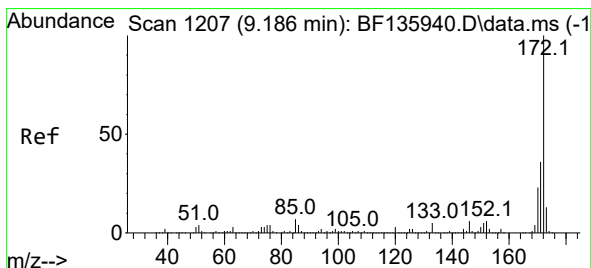
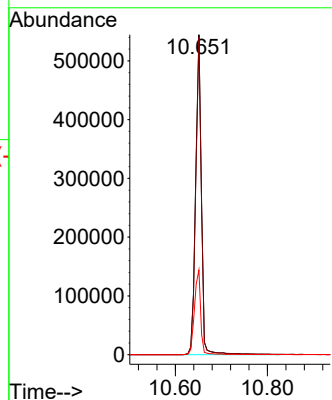
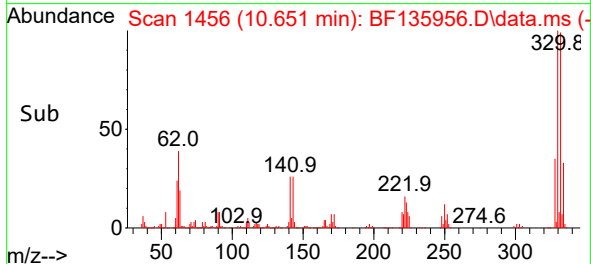


#42  
 2,4,6-Tribromophenol  
 Concen: 172.501 ng  
 RT: 10.651 min Scan# 1456  
 Delta R.T. -0.006 min  
 Lab File: BF135956.D  
 Acq: 25 Oct 2023 23:03

Instrument :  
 BNA\_F  
 ClientSampleId :

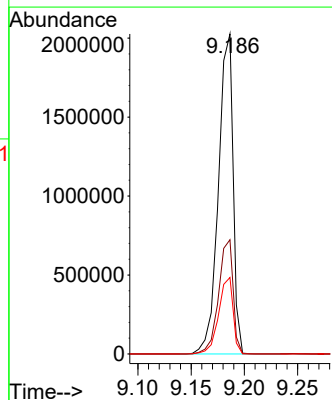
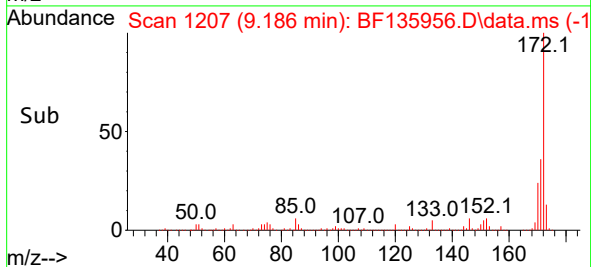
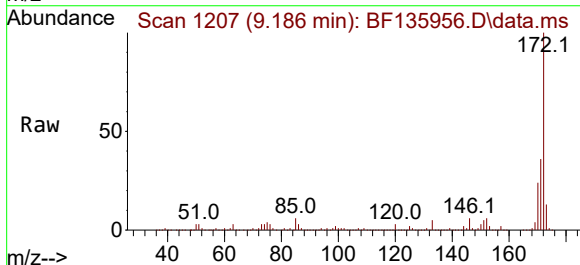


Tgt Ion:330 Resp: 471697  
 Ion Ratio Lower Upper  
 330 100  
 332 97.9 77.4 116.2  
 141 28.9 24.9 37.3

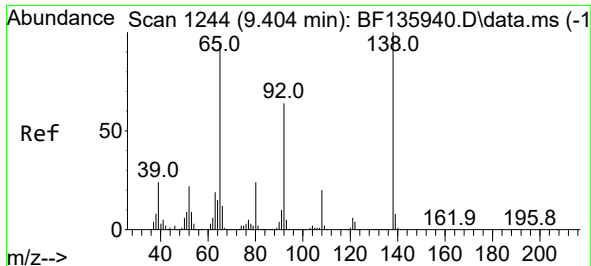


#45  
 2-Fluorobiphenyl  
 Concen: 99.575 ng  
 RT: 9.186 min Scan# 1207  
 Delta R.T. 0.000 min  
 Lab File: BF135956.D  
 Acq: 25 Oct 2023 23:03

Tgt Ion:172 Resp: 1942716  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 28.6 43.0  
 170 23.9 18.6 28.0



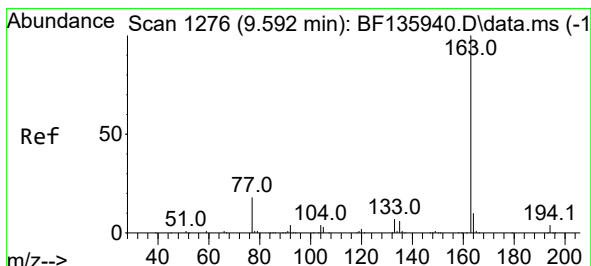
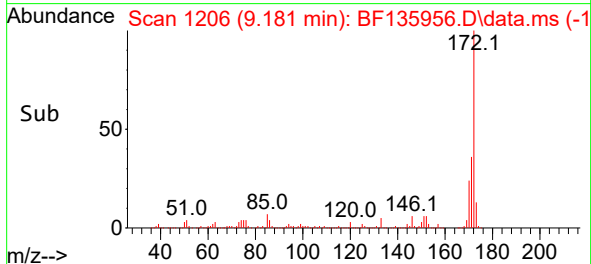
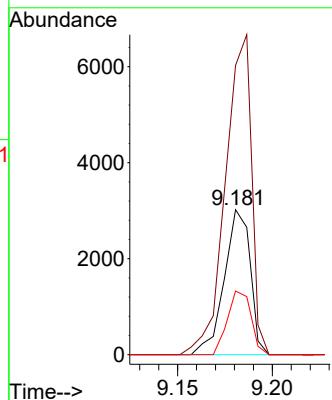
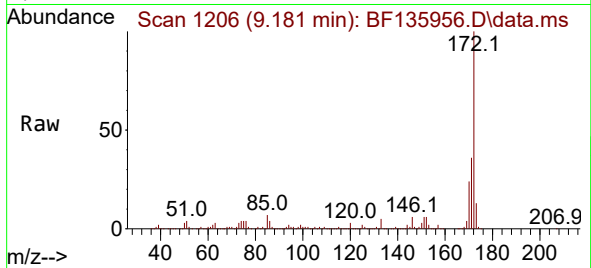




#48  
2-Nitroaniline  
Concen: 4.849 ng  
RT: 9.181 min Scan# 11  
Delta R.T. -0.223 min  
Lab File: BF135956.D  
Acq: 25 Oct 2023 23:03

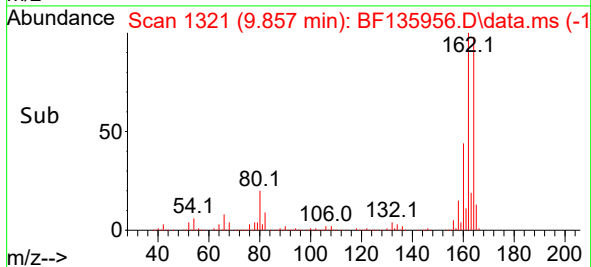
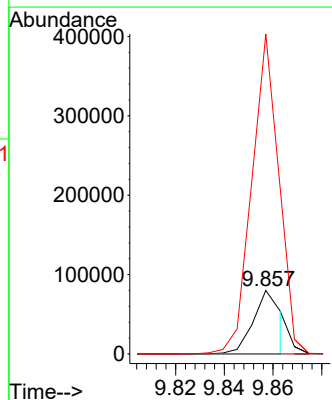
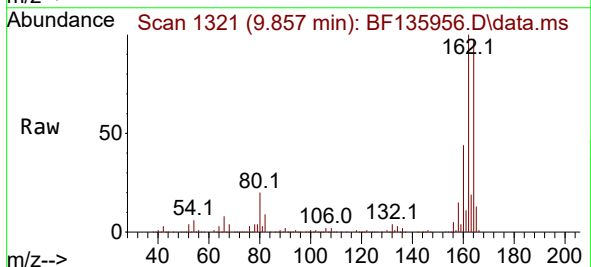
Instrument :  
BNA\_F  
ClientSampleId :

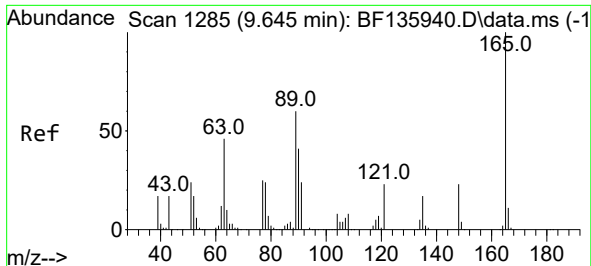
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Ion Ratio Lower Upper  
65 100  
92 199.6 54.9 82.3#  
138 43.9 85.2 127.8#



#50  
Dimethylphthalate  
Concen: 3.083 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. 0.265 min  
Lab File: BF135956.D  
Acq: 25 Oct 2023 23:03

Tgt Ion: 163 Resp: 62454  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.4 5.0#  
164 504.2 8.3 12.5#





#51

2,6-Dinitrotoluene

Concen: 13.393 ng

RT: 9.857 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF135956.D

Acq: 25 Oct 2023 23:03

Instrument :

BNA\_F

ClientSampleId :

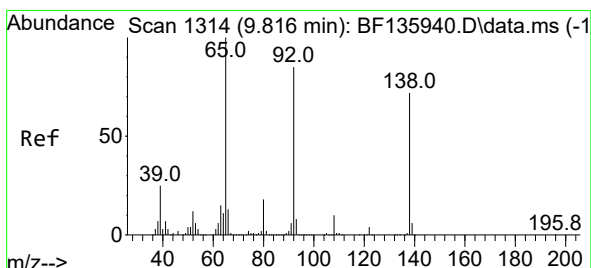
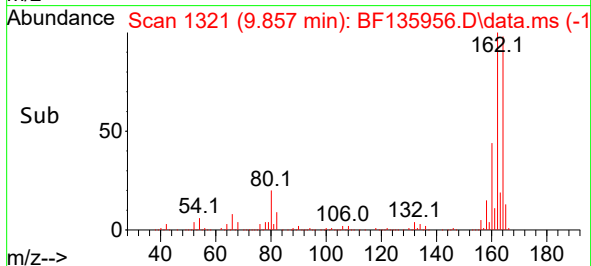
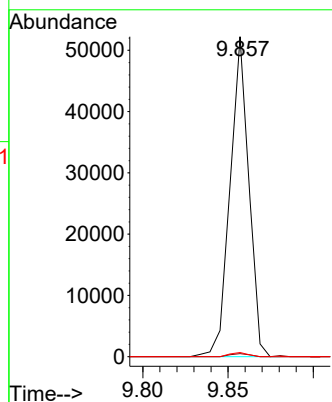
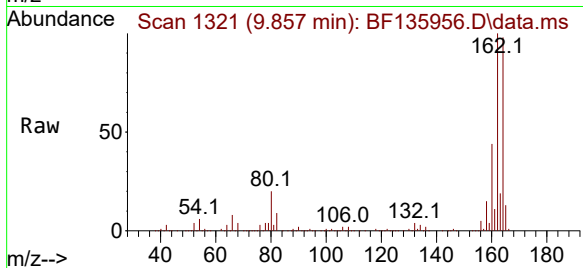
Tgt Ion:165 Resp: 39867

Ion Ratio Lower Upper

165 100

63 1.0 51.7 77.5#

89 1.3 48.3 72.5#



#53

3-Nitroaniline

Concen: 4.574 ng

RT: 9.804 min Scan# 1312

Delta R.T. -0.012 min

Lab File: BF135956.D

Acq: 25 Oct 2023 23:03

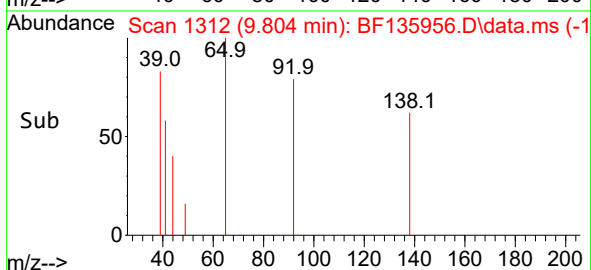
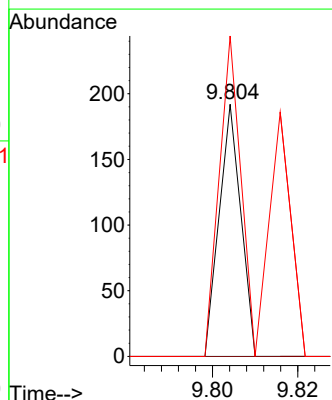
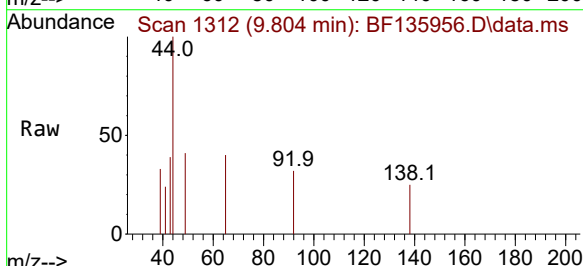
Tgt Ion:138 Resp: 68

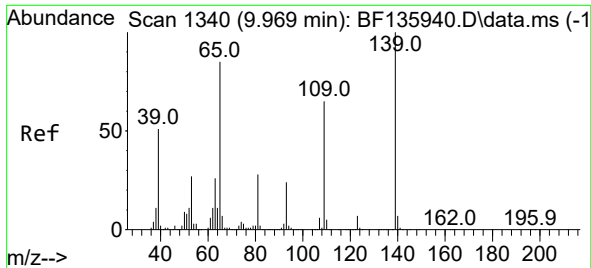
Ion Ratio Lower Upper

138 100

108 0.0 11.3 16.9#

92 127.1 95.0 142.6

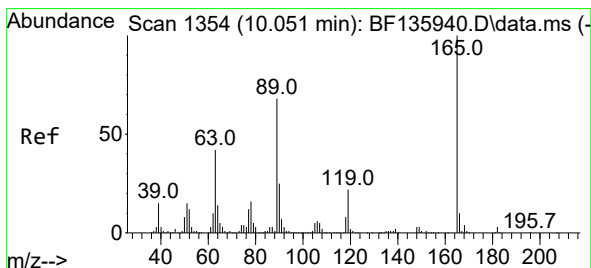
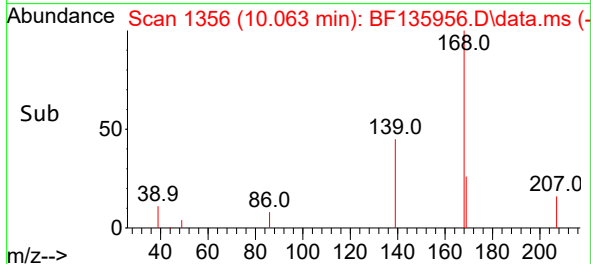
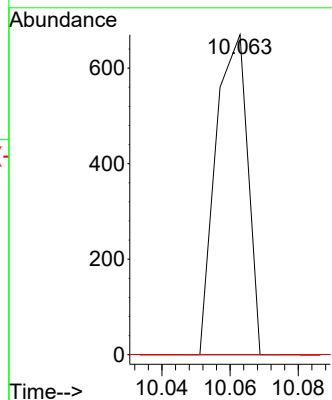
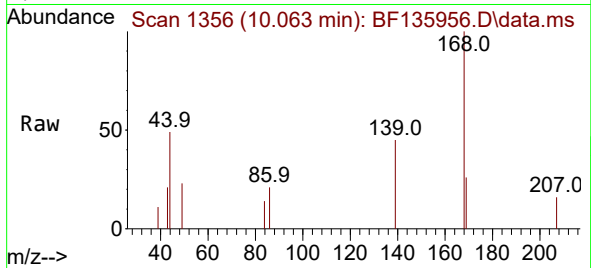




#56  
4-Nitrophenol  
Concen: 6.282 ng  
RT: 10.063 min Scan# 11  
Delta R.T. 0.094 min  
Lab File: BF135956.D  
Acq: 25 Oct 2023 23:03

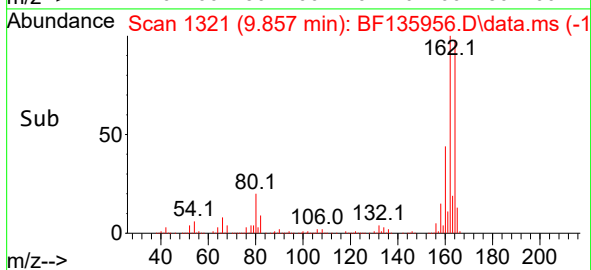
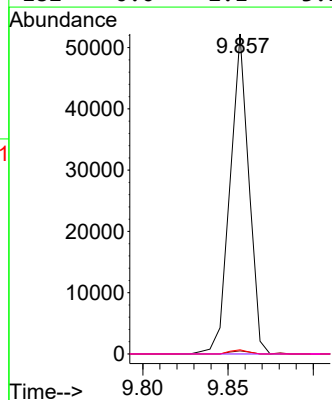
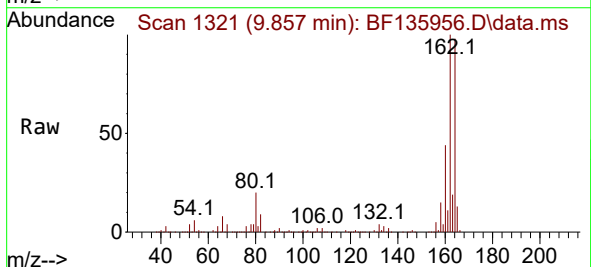
Instrument :  
BNA\_F  
ClientSampleId :

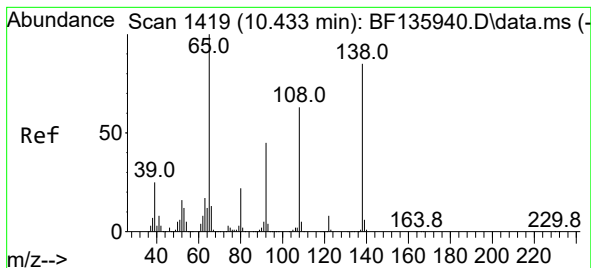
Tgt Ion:139 Resp: 434  
Ion Ratio Lower Upper  
139 100  
109 0.0 45.2 85.2#  
65 0.0 65.1 105.1#



#57  
2,4-Dinitrotoluene  
Concen: 12.565 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. -0.194 min  
Lab File: BF135956.D  
Acq: 25 Oct 2023 23:03

Tgt Ion:165 Resp: 39867  
Ion Ratio Lower Upper  
165 100  
63 1.0 33.7 50.5#  
89 1.3 54.6 81.8#  
182 0.0 2.1 3.1#

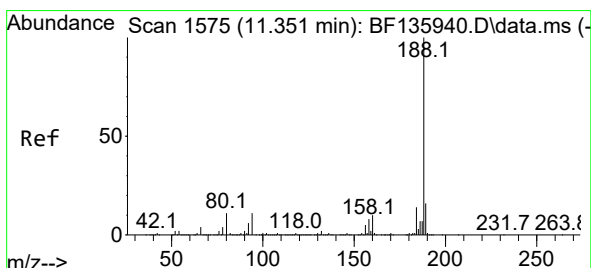
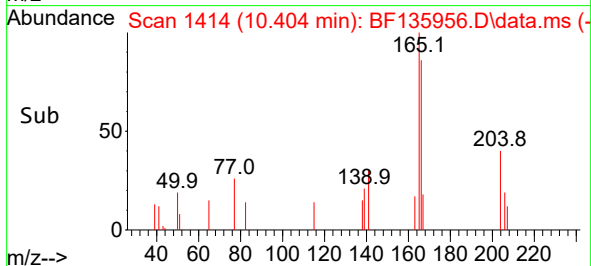
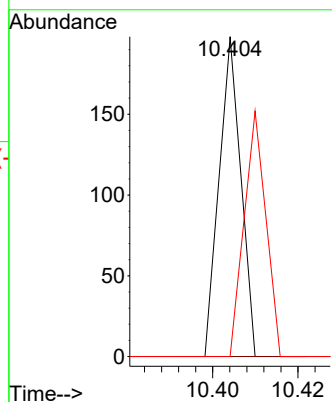
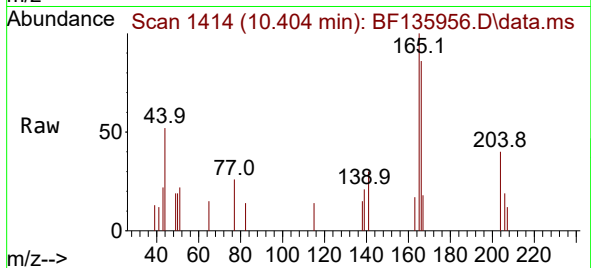




#62  
4-Nitroaniline  
Concen: 4.662 ng  
RT: 10.404 min Scan# 1419  
Delta R.T. -0.029 min  
Lab File: BF135956.D  
Acq: 25 Oct 2023 23:03

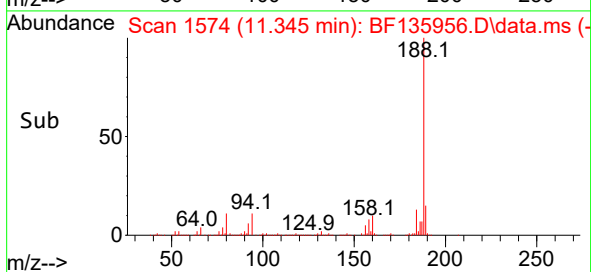
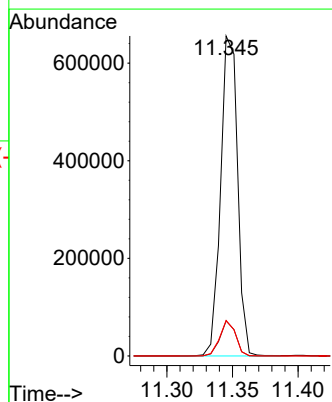
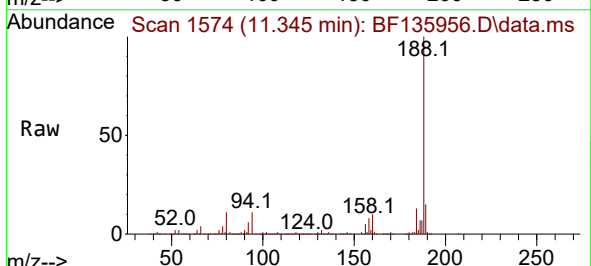
Instrument :  
BNA\_F  
ClientSampleId :

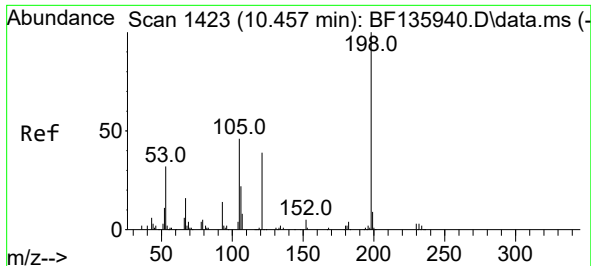
Tgt Ion:138 Resp: 70  
Ion Ratio Lower Upper  
138 100  
92 0.0 32.9 72.9#  
108 0.0 53.5 93.5#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.345 min Scan# 1574  
Delta R.T. -0.006 min  
Lab File: BF135956.D  
Acq: 25 Oct 2023 23:03

Tgt Ion:188 Resp: 588424  
Ion Ratio Lower Upper  
188 100  
94 11.0 8.6 13.0  
80 11.1 9.0 13.6

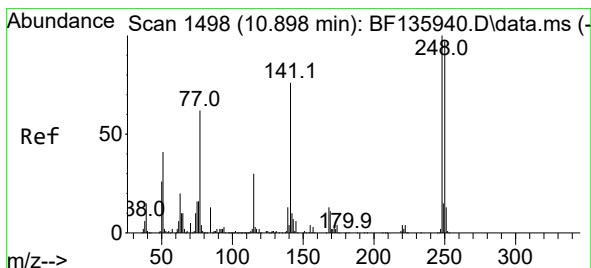
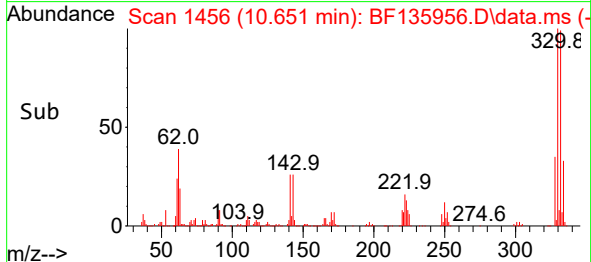
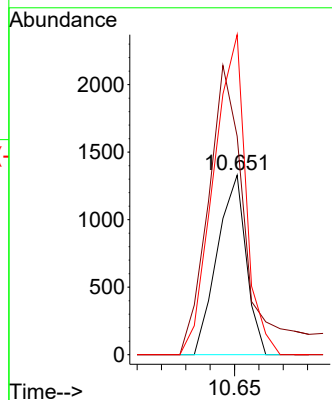
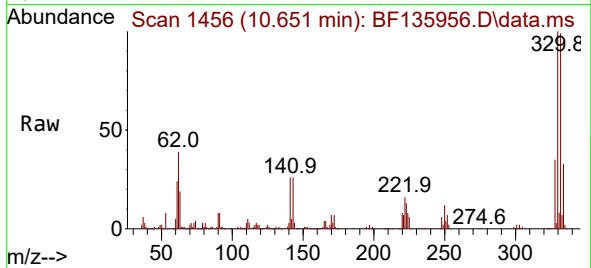




#65  
4,6-Dinitro-2-methylphenol  
Concen: 7.648 ng  
RT: 10.651 min Scan# 1456  
Delta R.T. 0.194 min  
Lab File: BF135956.D  
Acq: 25 Oct 2023 23:03

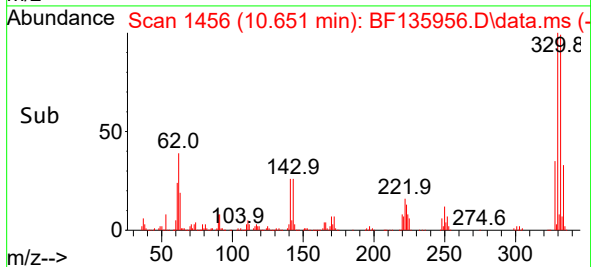
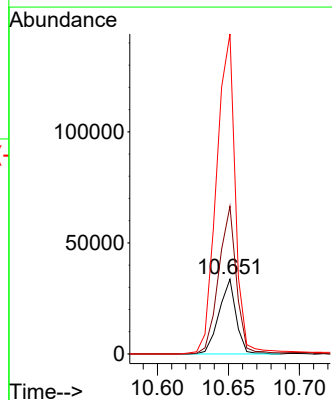
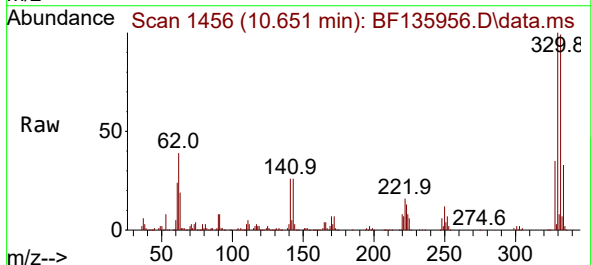
Instrument :  
BNA\_F  
ClientSampleId :

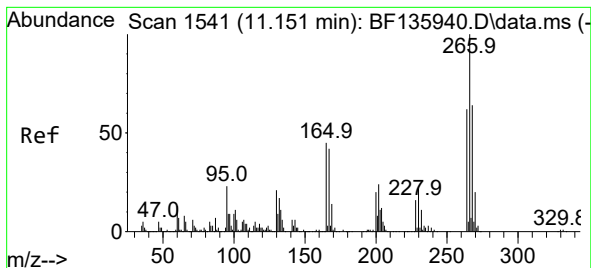
Tgt Ion:198 Resp: 1096  
Ion Ratio Lower Upper  
198 100  
51 121.7 28.7 68.7#  
105 178.2 27.2 67.2#



#67  
4-Bromophenyl-phenylether  
Concen: 4.696 ng  
RT: 10.651 min Scan# 1456  
Delta R.T. -0.247 min  
Lab File: BF135956.D  
Acq: 25 Oct 2023 23:03

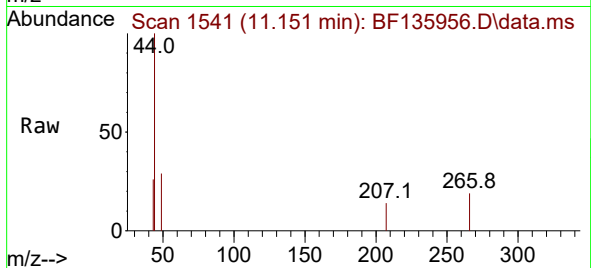
Tgt Ion:248 Resp: 28298  
Ion Ratio Lower Upper  
248 100  
250 197.6 77.9 116.9#  
141 428.0 60.8 91.2#



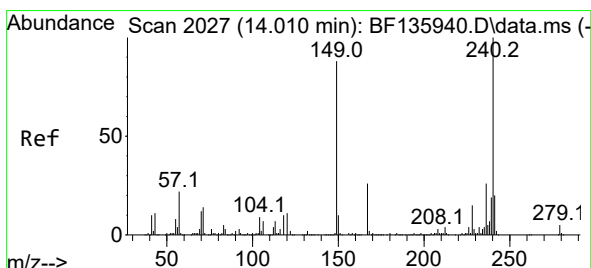
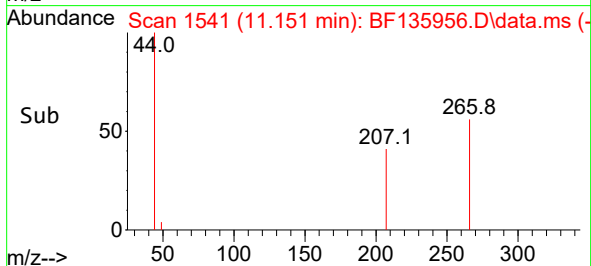
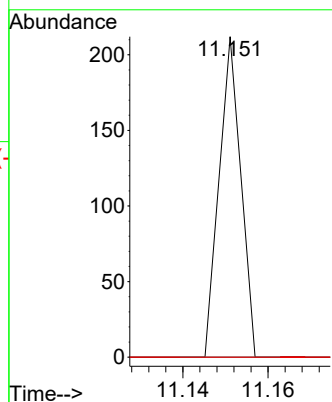


#70  
 Pentachlorophenol  
 Concen: 4.242 ng  
 RT: 11.151 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF135956.D  
 Acq: 25 Oct 2023 23:03

Instrument :  
 BNA\_F  
 ClientSampleId :

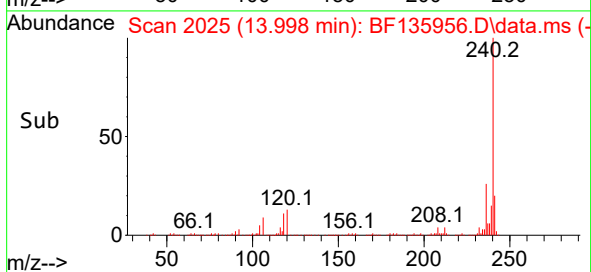
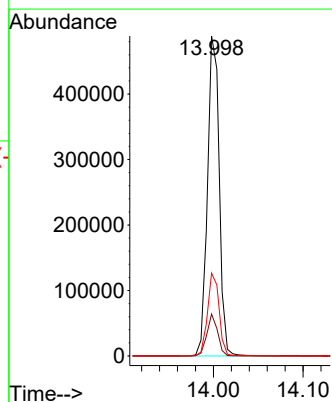
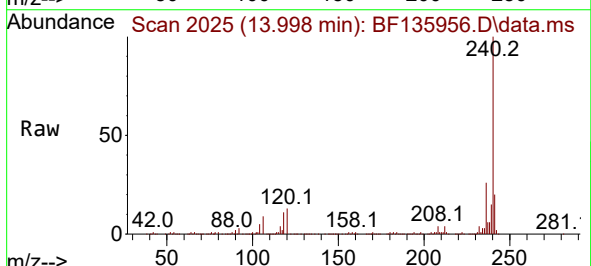


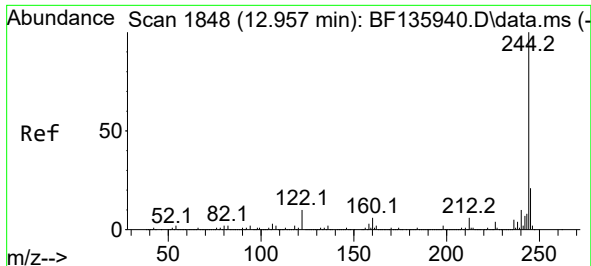
Tgt Ion:266 Resp: 75  
 Ion Ratio Lower Upper  
 266 100  
 268 0.0 50.8 76.2#  
 264 0.0 49.8 74.6#



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.998 min Scan# 2025  
 Delta R.T. -0.012 min  
 Lab File: BF135956.D  
 Acq: 25 Oct 2023 23:03

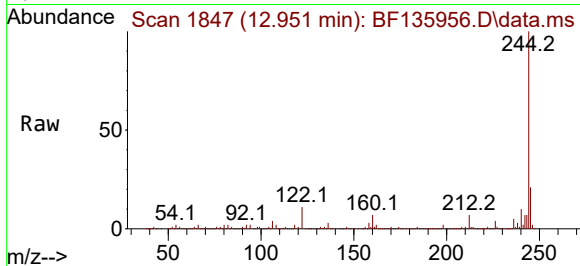
Tgt Ion:240 Resp: 445083  
 Ion Ratio Lower Upper  
 240 100  
 120 13.1 8.6 13.0#  
 236 25.9 20.6 30.8



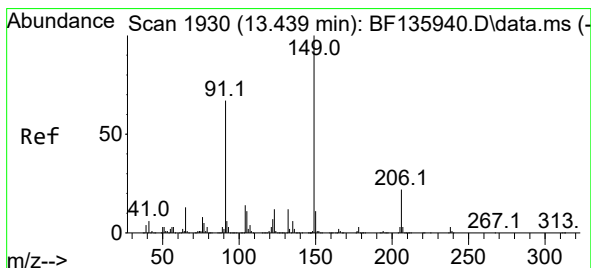
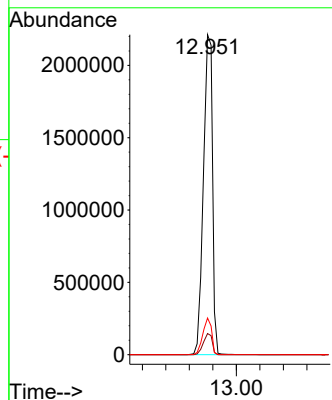
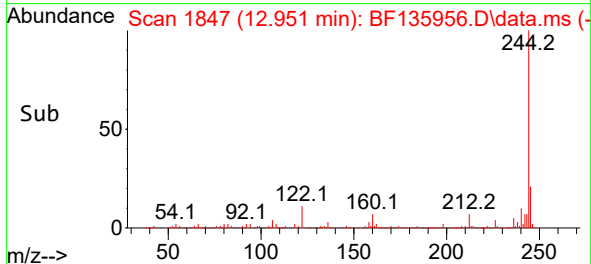


#79  
 Terphenyl-d14  
 Concen: 88.622 ng  
 RT: 12.951 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF135956.D  
 Acq: 25 Oct 2023 23:03

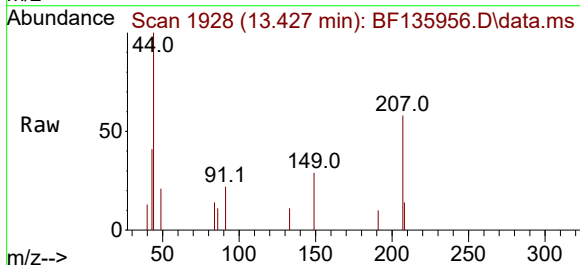
Instrument :  
 BNA\_F  
 ClientSampleId :



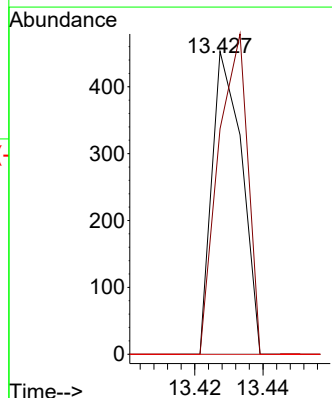
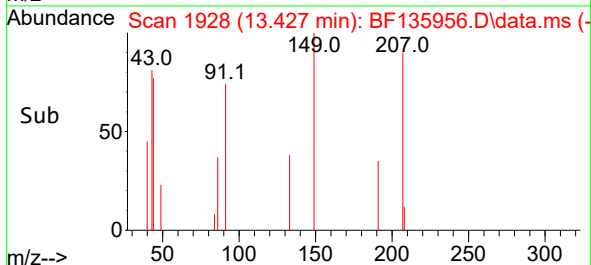
Tgt Ion:244 Resp: 2360822  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.0 7.6  
 122 11.4 8.0 12.0

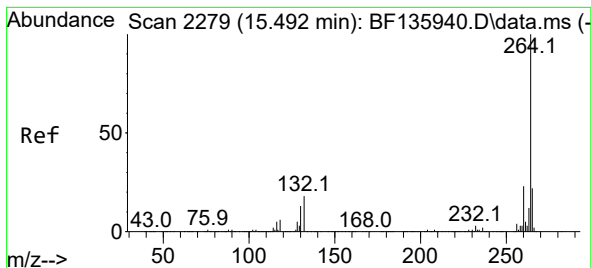


#80  
 Butylbenzylphthalate  
 Concen: 3.845 ng  
 RT: 13.427 min Scan# 1928  
 Delta R.T. -0.012 min  
 Lab File: BF135956.D  
 Acq: 25 Oct 2023 23:03



Tgt Ion:149 Resp: 276  
 Ion Ratio Lower Upper  
 149 100  
 91 74.4 53.4 80.0  
 206 0.0 17.5 26.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.486 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135956.D

Acq: 25 Oct 2023 23:03

Instrument :

BNA\_F

ClientSampleId :

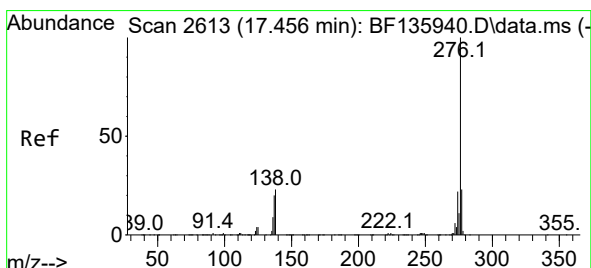
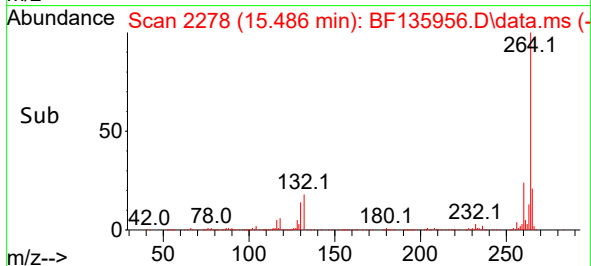
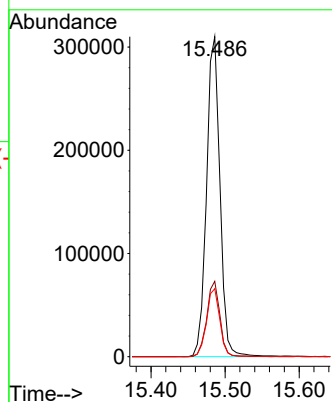
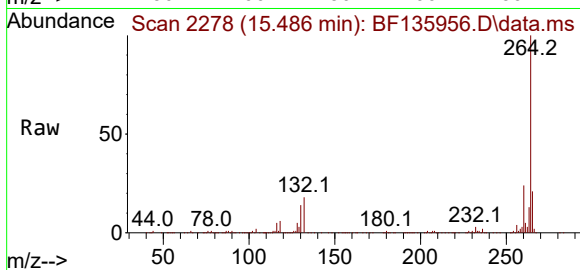
Tgt Ion:264 Resp: 390098

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 21.2 17.3 25.9



#92

Benzo(g,h,i)perylene

Concen: 3.774 ng

RT: 17.415 min Scan# 2606

Delta R.T. -0.041 min

Lab File: BF135956.D

Acq: 25 Oct 2023 23:03

Tgt Ion:276 Resp: 370

Ion Ratio Lower Upper

276 100

277 0.0 18.6 28.0#

138 0.0 18.4 27.6#

