

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110423\  
 Data File : BF136140.D  
 Acq On : 04 Nov 2023 10:33  
 Operator : CG\JU  
 Sample : PB156876BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB156876BS

Quant Time: Nov 06 00:57:57 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF103023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 06 00:53:35 2023  
 Response via : Initial Calibration

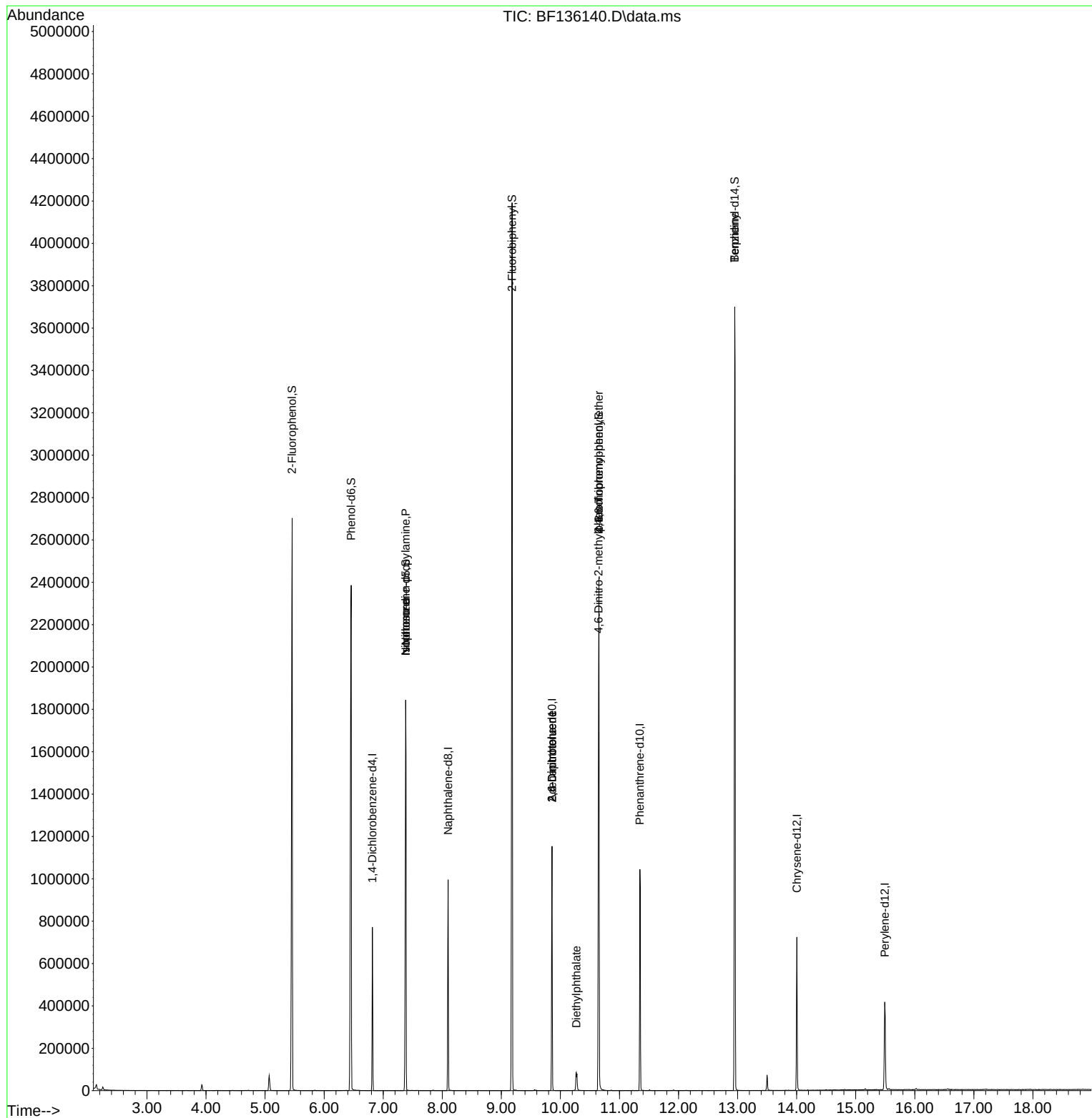
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.816  | 152  | 99711    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.098  | 136  | 390320   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.857  | 164  | 211737   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.345 | 188  | 392659   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.004 | 240  | 229059   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.492 | 264  | 196394   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.457  | 112  | 807906   | 127.323 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.457  | 99   | 996911   | 126.097 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.381  | 82   | 635331   | 98.123  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.651 | 330  | 308753   | 136.614 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.181  | 172  | 1223491  | 92.113  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 1449103  | 98.313  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.381  | 70   | 86219    | 19.087  | ng    | # 78     |
| 25) Isophorone                | 7.381  | 82   | 635325   | 51.974  | ng    | # 64     |
| 51) 2,6-Dinitrotoluene        | 9.857  | 165  | 26848    | 8.988   | ng    | # 28     |
| 57) 2,4-Dinitrotoluene        | 9.857  | 165  | 26848    | 7.104   | ng    | # 25     |
| 60) Diethylphthalate          | 10.269 | 149  | 58750    | 4.403   | ng    | # 98     |
| 65) 4,6-Dinitro-2-methylph... | 10.645 | 198  | 779      | 6.108   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.651 | 248  | 20058    | 4.872   | ng    | # 1      |
| 77) Benzidine                 | 12.951 | 184  | 18251    | 4.088   | ng    | # 92     |
| -----                         |        |      |          |         |       |          |

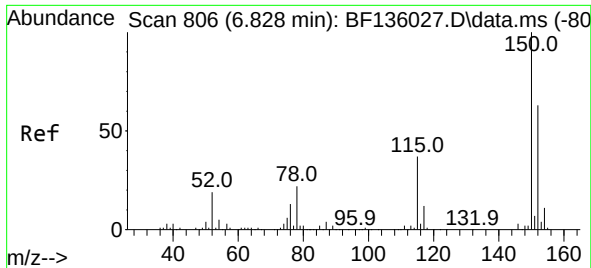
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Nov 06 00:53:35 2023  
Response via : Initial Calibration

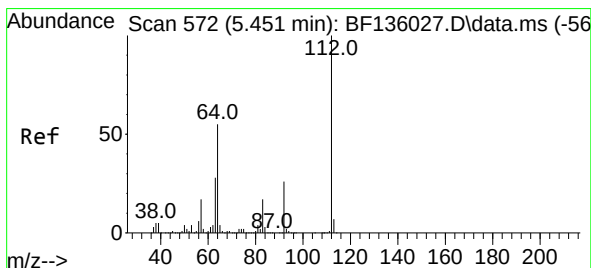
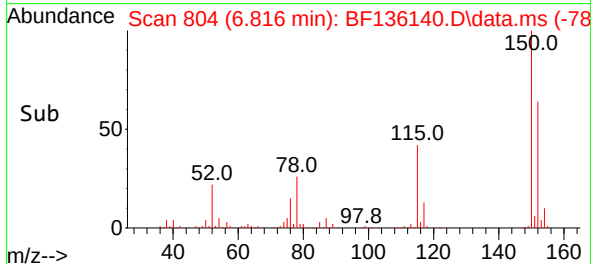
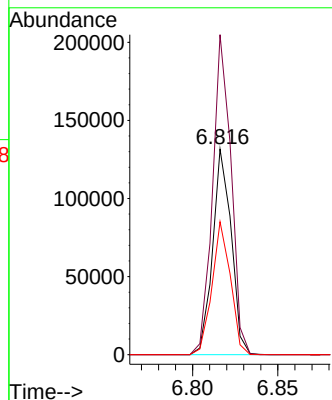
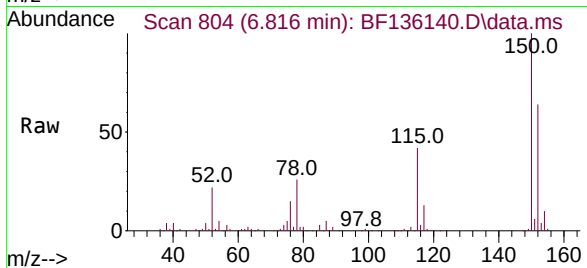




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.816 min Scan# 806  
Delta R.T. -0.006 min  
Lab File: BF136140.D  
Acq: 04 Nov 2023 10:33

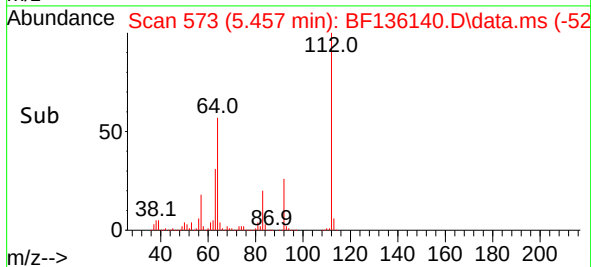
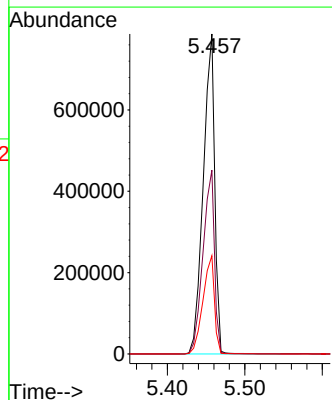
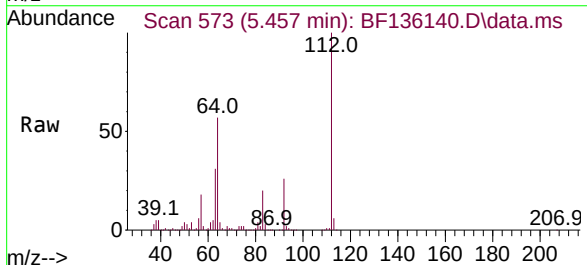
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BNA\_F  
ClientSampleId :  
PB156876BS

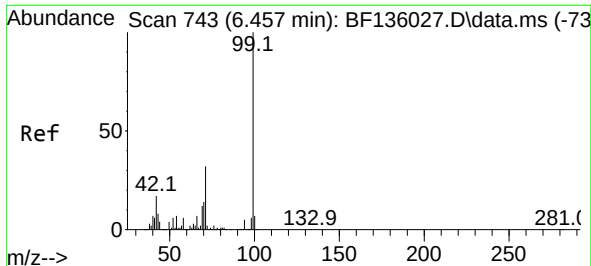
Tgt Ion:152 Resp: 99711  
Ion Ratio Lower Upper  
152 100  
150 155.7 126.4 189.6  
115 64.7 47.0 70.4



#5  
2-Fluorophenol  
Concen: 127.323 ng  
RT: 5.457 min Scan# 573  
Delta R.T. 0.012 min  
Lab File: BF136140.D  
Acq: 04 Nov 2023 10:33

Tgt Ion:112 Resp: 807906  
Ion Ratio Lower Upper  
112 100  
64 57.4 43.9 65.9  
63 30.7 22.4 33.6

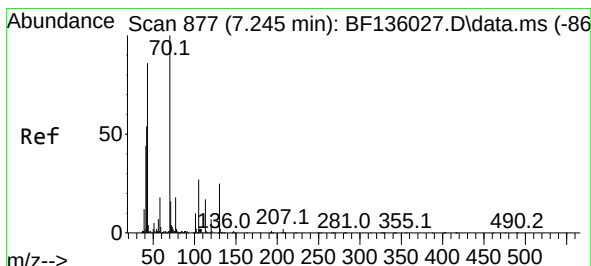
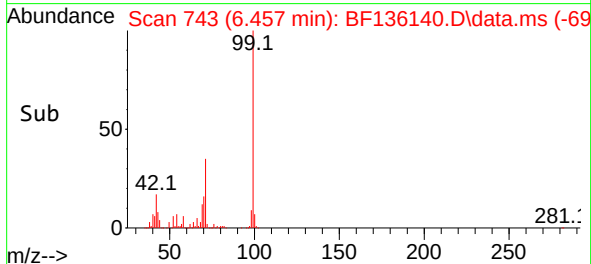
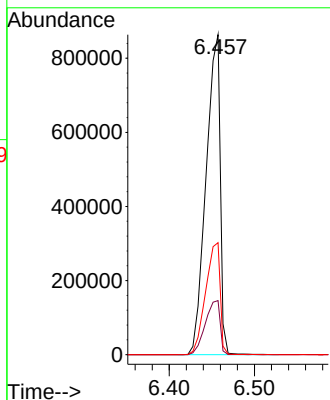
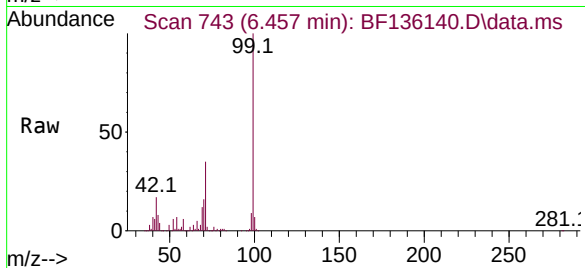




#7  
Phenol-d6  
Concen: 126.097 ng  
RT: 6.457 min Scan# 743  
Delta R.T. 0.000 min  
Lab File: BF136140.D  
Acq: 04 Nov 2023 10:33

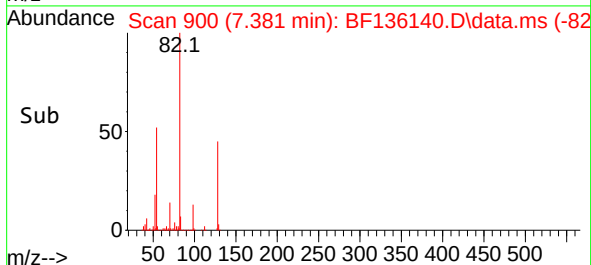
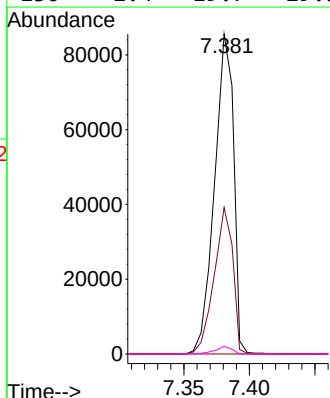
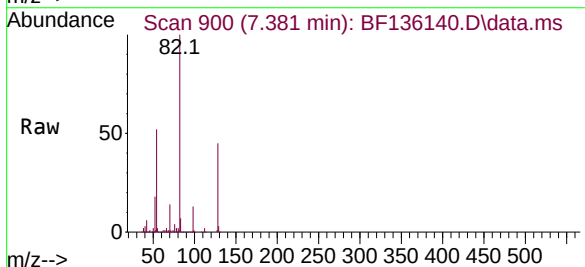
Instrument :  
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ClientSampleId :  
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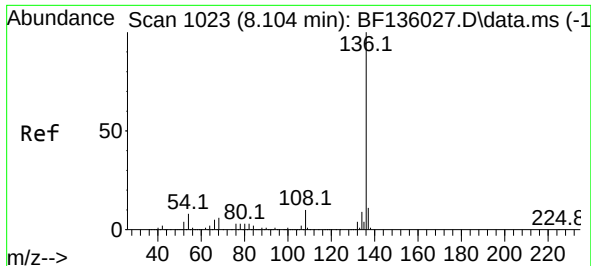
Tgt Ion: 99 Resp: 996911  
Ion Ratio Lower Upper  
99 100  
42 16.9 13.7 20.5  
71 35.0 25.9 38.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.087 ng  
RT: 7.381 min Scan# 900  
Delta R.T. 0.141 min  
Lab File: BF136140.D  
Acq: 04 Nov 2023 10:33

Tgt Ion: 70 Resp: 86219  
Ion Ratio Lower Upper  
70 100  
42 45.7 43.0 64.4  
101 0.0 8.0 12.0#  
130 2.4 19.7 29.5#



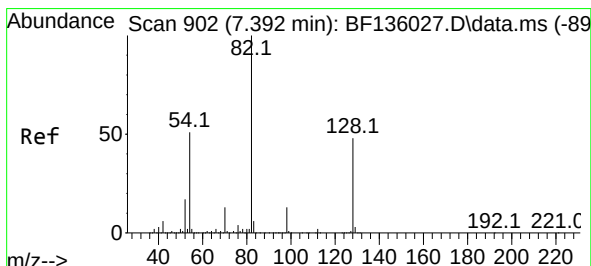
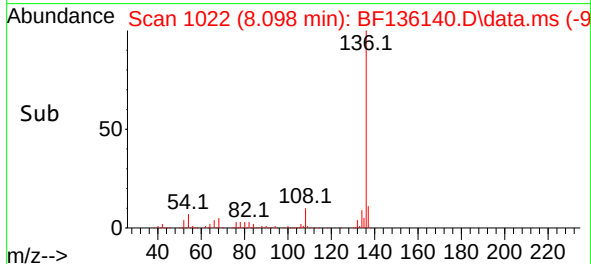
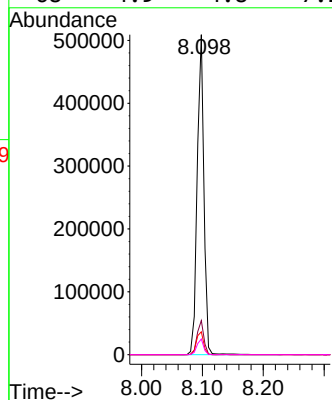
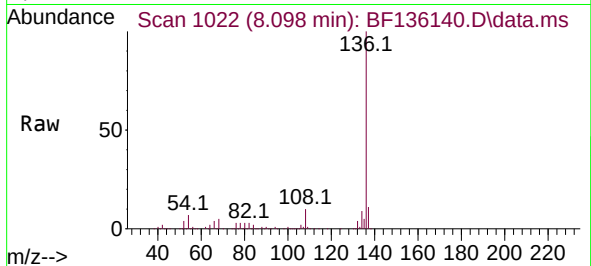


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.098 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BF136140.D  
Acq: 04 Nov 2023 10:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB156876BS

Tgt Ion:136 Resp: 390320

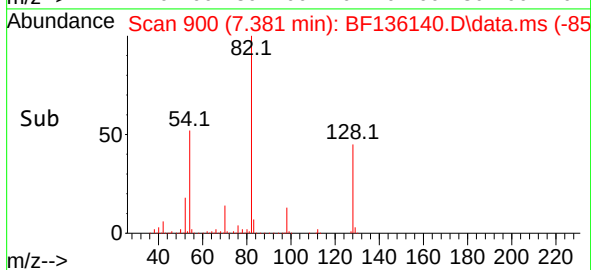
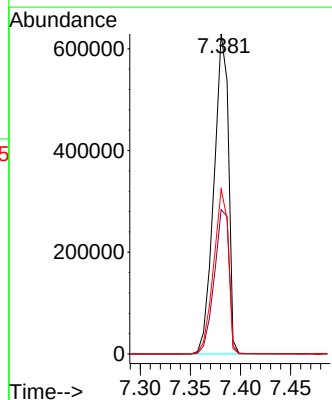
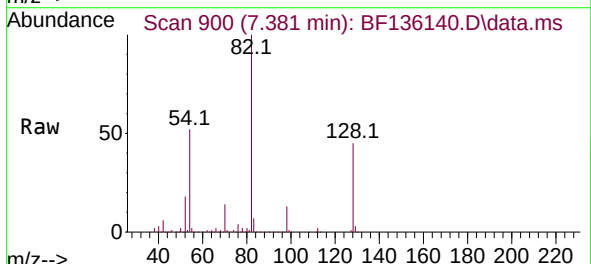
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.7  | 8.6   | 13.0  |
| 54  | 7.2   | 6.6   | 9.8   |
| 68  | 4.9   | 4.8   | 7.2   |

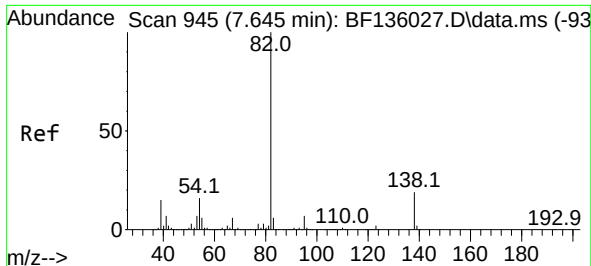


#23  
Nitrobenzene-d5  
Concen: 98.123 ng  
RT: 7.381 min Scan# 900  
Delta R.T. -0.006 min  
Lab File: BF136140.D  
Acq: 04 Nov 2023 10:33

Tgt Ion: 82 Resp: 635331

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 45.1  | 38.6  | 57.8  |
| 54  | 51.6  | 40.8  | 61.2  |

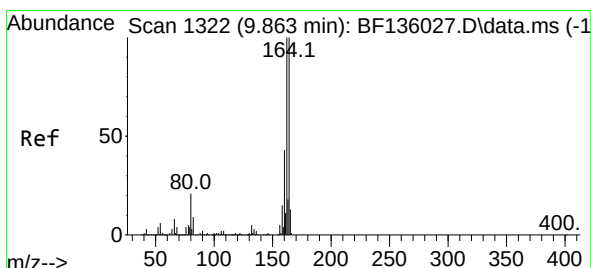
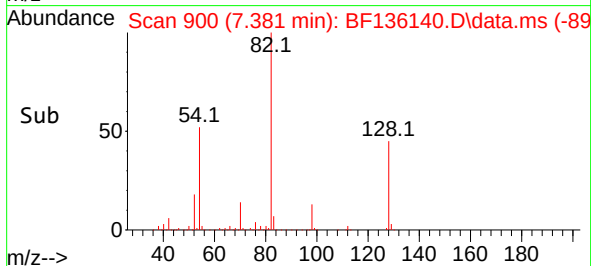
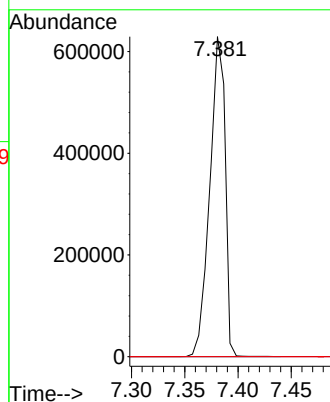
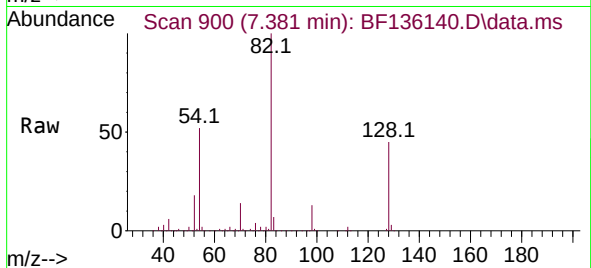




#25  
Isophorone  
Concen: 51.974 ng  
RT: 7.381 min Scan# 90  
Delta R.T. -0.259 min  
Lab File: BF136140.D  
Acq: 04 Nov 2023 10:33

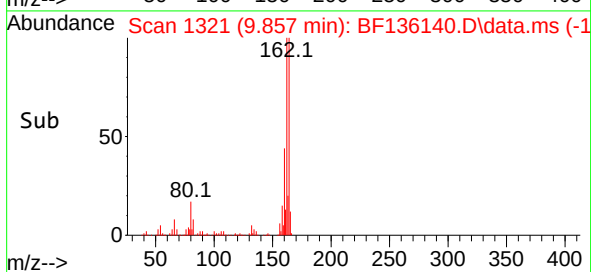
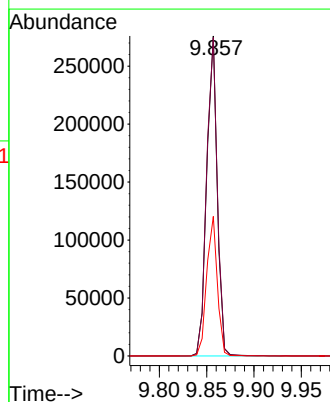
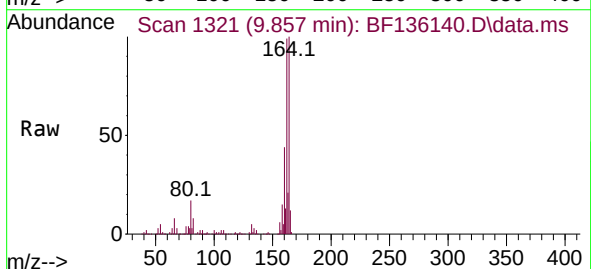
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PB156876BS

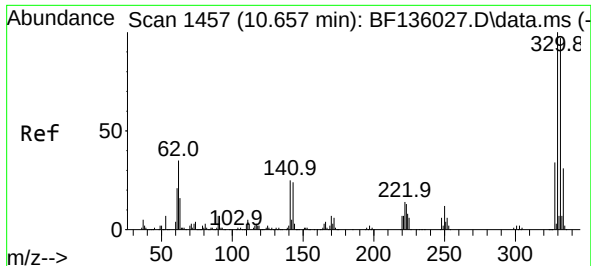
Tgt Ion: 82 Resp: 635325  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 15.3 22.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. -0.006 min  
Lab File: BF136140.D  
Acq: 04 Nov 2023 10:33

Tgt Ion:164 Resp: 211737  
Ion Ratio Lower Upper  
164 100  
162 99.5 80.1 120.1  
160 43.6 34.8 52.2

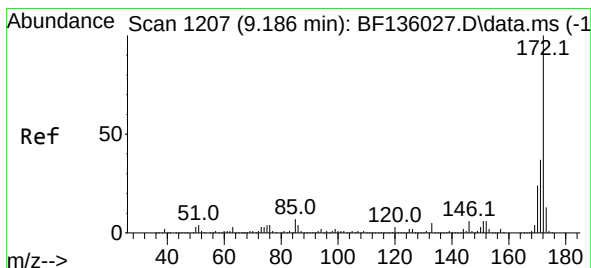
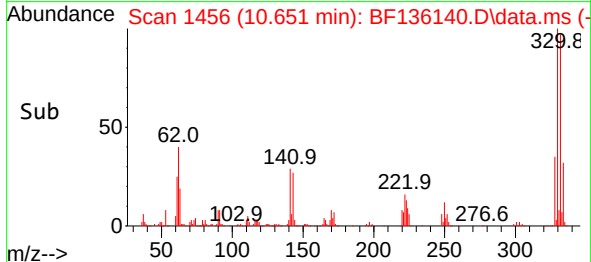
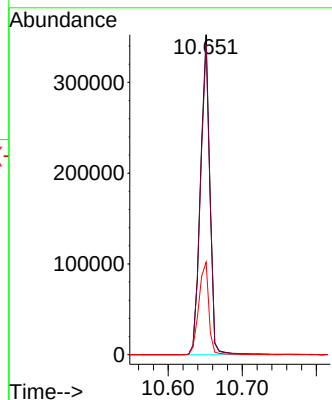
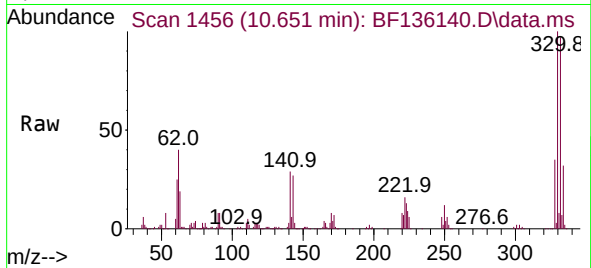




#42  
2,4,6-Tribromophenol  
Concen: 136.614 ng  
RT: 10.651 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: BF136140.D  
Acq: 04 Nov 2023 10:33

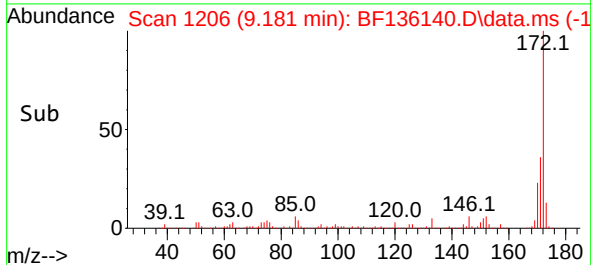
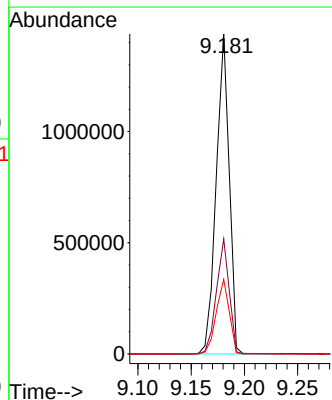
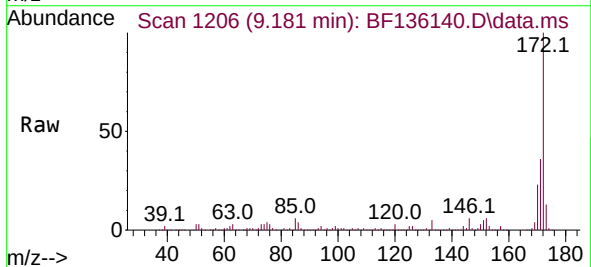
Instrument :  
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ClientSampleId :  
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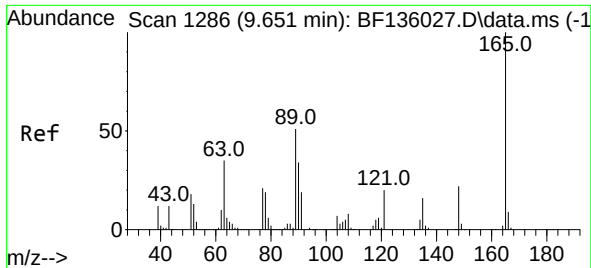
Tgt Ion:330 Resp: 308753  
Ion Ratio Lower Upper  
330 100  
332 97.4 76.9 115.3  
141 30.8 23.2 34.8



#45  
2-Fluorobiphenyl  
Concen: 92.113 ng  
RT: 9.181 min Scan# 1206  
Delta R.T. 0.000 min  
Lab File: BF136140.D  
Acq: 04 Nov 2023 10:33

Tgt Ion:172 Resp: 1223491  
Ion Ratio Lower Upper  
172 100  
171 36.0 29.4 44.0  
170 23.3 19.3 28.9





#51

2,6-Dinitrotoluene

Concen: 8.988 ng

RT: 9.857 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF136140.D

Acq: 04 Nov 2023 10:33

Instrument :

BNA\_F

ClientSampleId :

PB156876BS

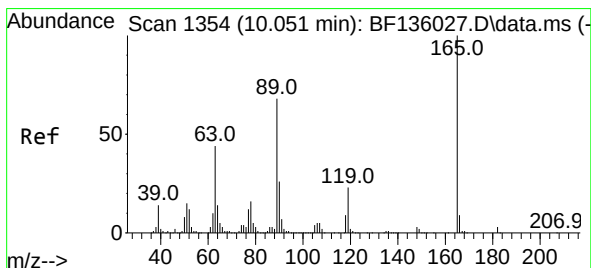
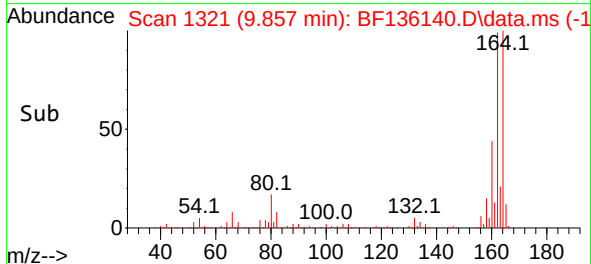
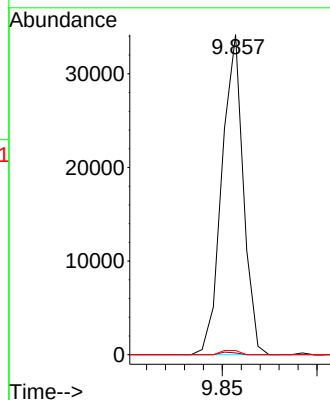
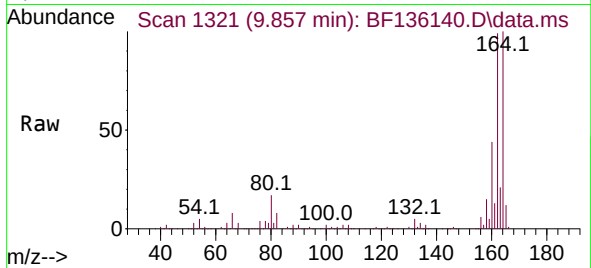
Tgt Ion:165 Resp: 26848

Ion Ratio Lower Upper

165 100

63 0.6 40.8 61.2#

89 1.3 41.1 61.7#



#57

2,4-Dinitrotoluene

Concen: 7.104 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.194 min

Lab File: BF136140.D

Acq: 04 Nov 2023 10:33

Tgt Ion:165 Resp: 26848

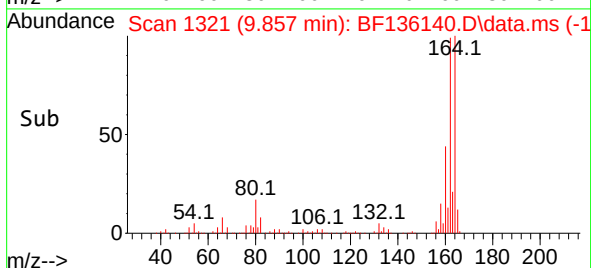
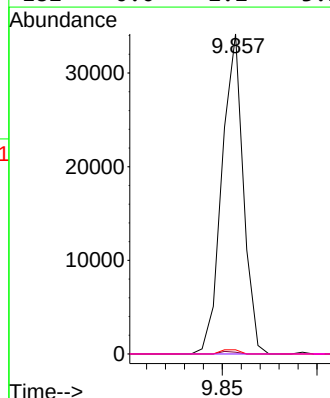
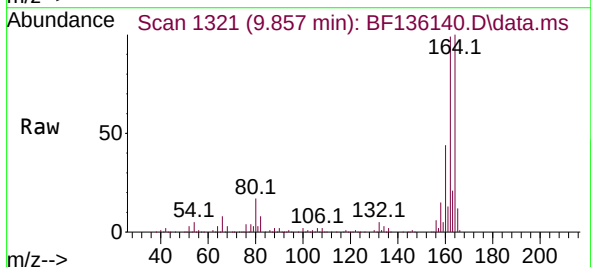
Ion Ratio Lower Upper

165 100

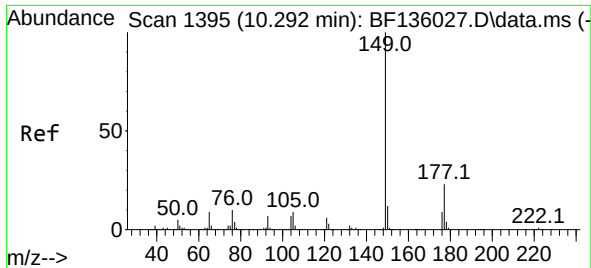
63 0.6 35.2 52.8#

89 1.3 54.8 82.2#

182 0.0 2.2 3.2#



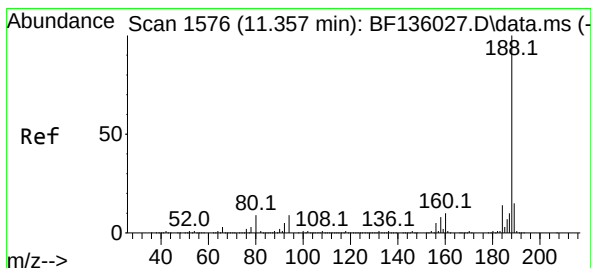
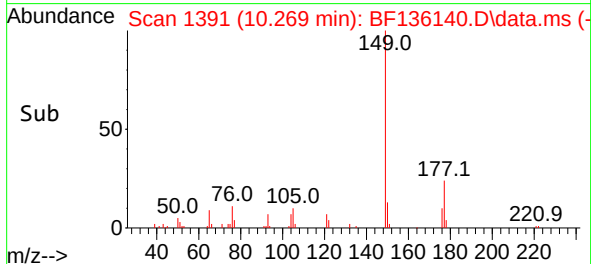
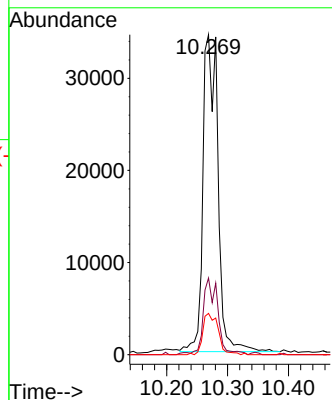
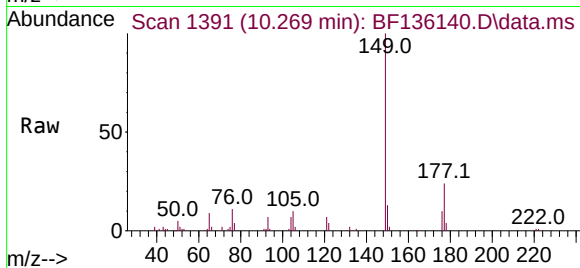




#60  
Diethylphthalate  
Concen: 4.403 ng  
RT: 10.269 min Scan# 11  
Delta R.T. -0.017 min  
Lab File: BF136140.D  
Acq: 04 Nov 2023 10:33

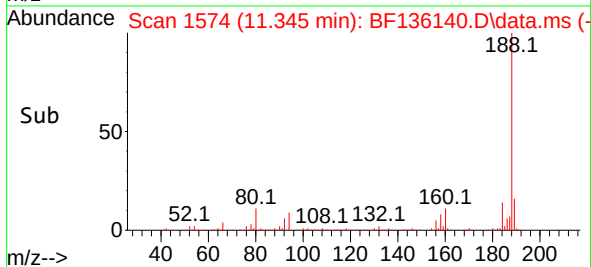
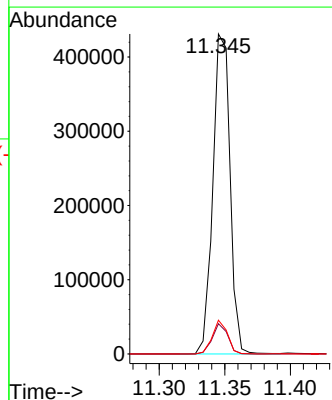
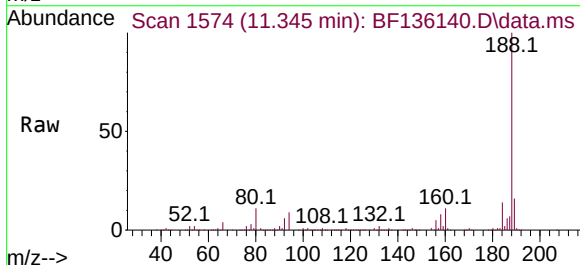
Instrument :  
BNA\_F  
ClientSampleId :  
PB156876BS

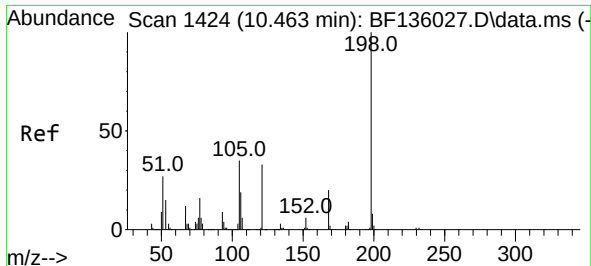
Tgt Ion:149 Resp: 58750  
Ion Ratio Lower Upper  
149 100  
177 24.0 18.2 27.4  
150 12.9 9.9 14.9



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.345 min Scan# 1574  
Delta R.T. -0.006 min  
Lab File: BF136140.D  
Acq: 04 Nov 2023 10:33

Tgt Ion:188 Resp: 392659  
Ion Ratio Lower Upper  
188 100  
94 9.5 7.2 10.8  
80 10.5 7.4 11.0

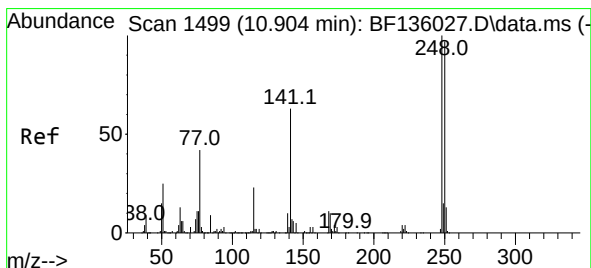
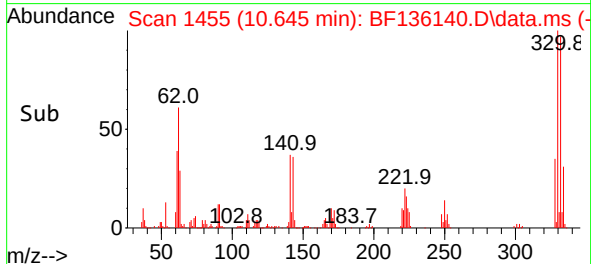
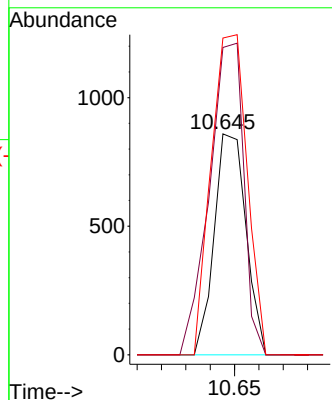
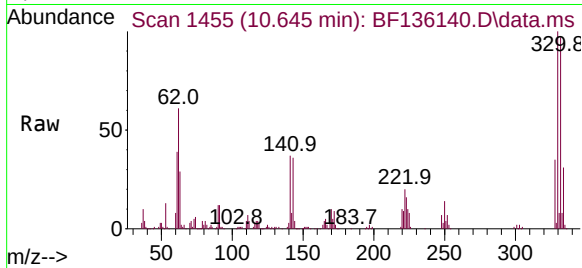




#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.108 ng  
RT: 10.645 min Scan# 1424  
Delta R.T. 0.188 min  
Lab File: BF136140.D  
Acq: 04 Nov 2023 10:33

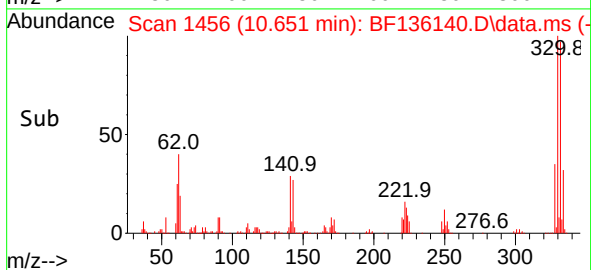
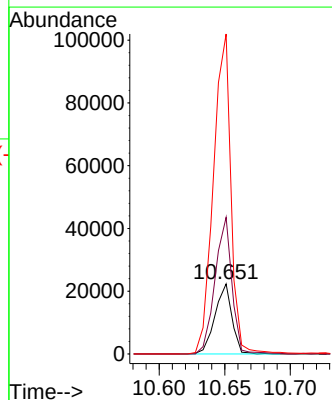
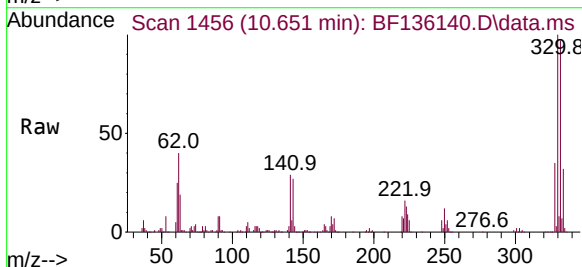
Instrument :  
BNA\_F  
ClientSampleId :  
PB156876BS

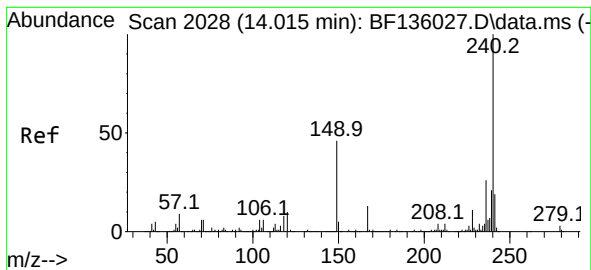
Tgt Ion:198 Resp: 779  
Ion Ratio Lower Upper  
198 100  
51 139.1 12.9 52.9#  
105 143.4 16.0 56.0#



#67  
4-Bromophenyl-phenylether  
Concen: 4.872 ng  
RT: 10.651 min Scan# 1456  
Delta R.T. -0.247 min  
Lab File: BF136140.D  
Acq: 04 Nov 2023 10:33

Tgt Ion:248 Resp: 20058  
Ion Ratio Lower Upper  
248 100  
250 195.0 77.6 116.4#  
141 456.6 50.4 75.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136140.D

Acq: 04 Nov 2023 10:33

Instrument :

BNA\_F

ClientSampleId :

PB156876BS

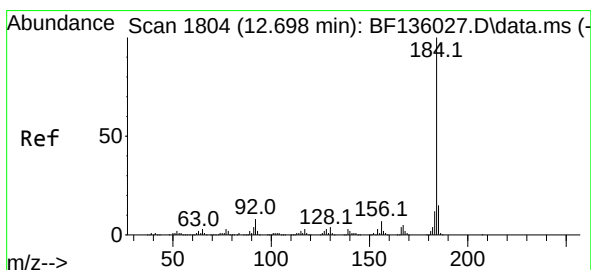
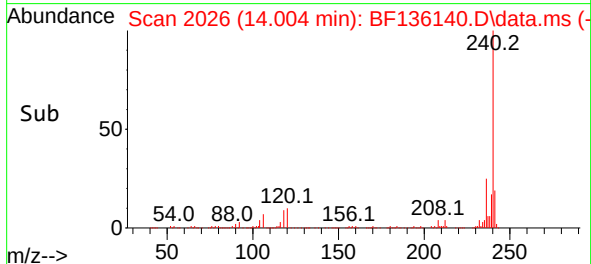
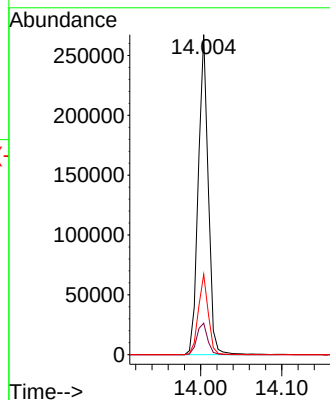
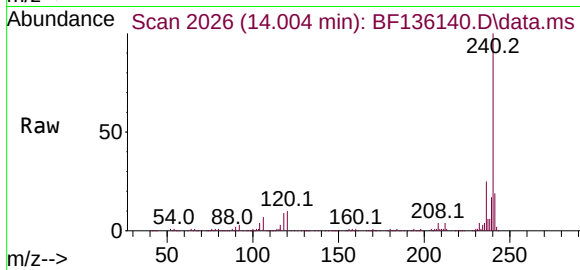
Tgt Ion:240 Resp: 229059

Ion Ratio Lower Upper

240 100

120 9.8 7.6 11.4

236 25.1 20.6 31.0



#77

Benzidine

Concen: 4.088 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.253 min

Lab File: BF136140.D

Acq: 04 Nov 2023 10:33

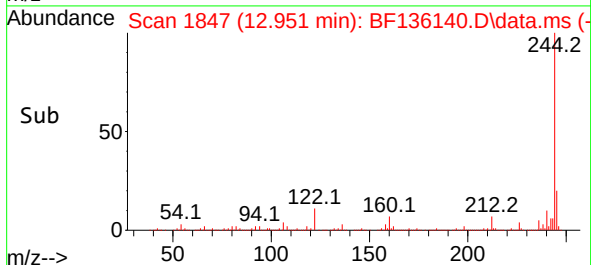
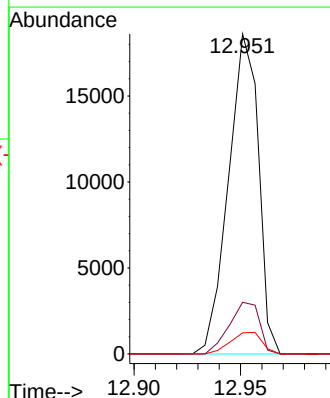
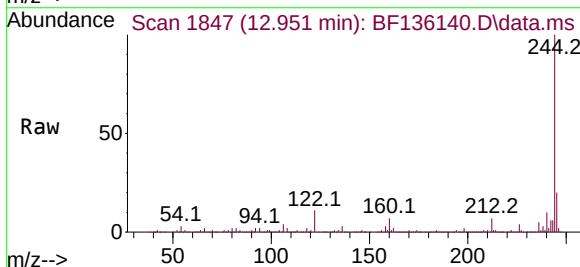
Tgt Ion:184 Resp: 18251

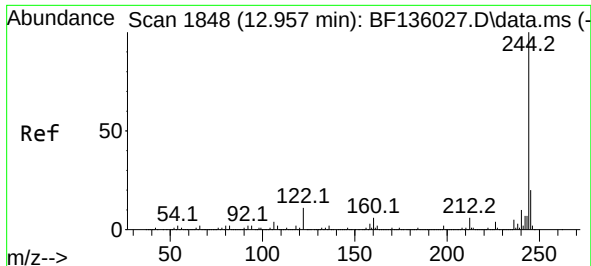
Ion Ratio Lower Upper

184 100

185 16.1 11.8 17.8

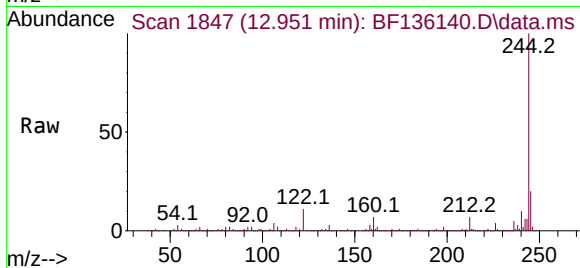
183 6.6 9.5 14.3#



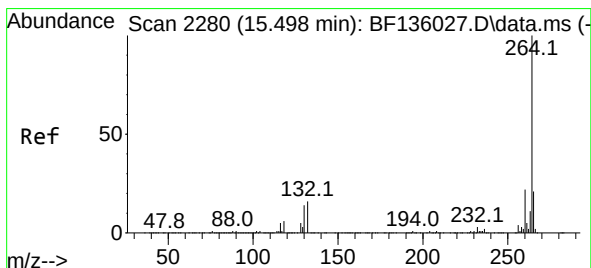
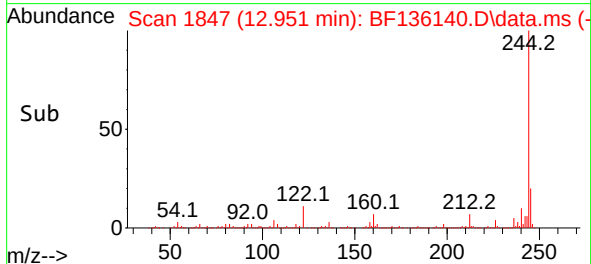
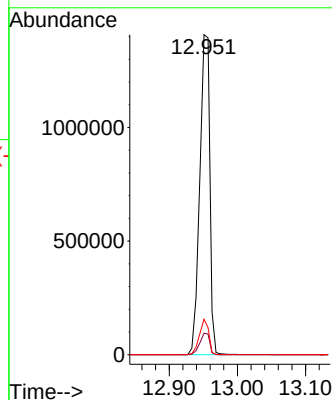


#79  
Terphenyl-d14  
Concen: 98.313 ng  
RT: 12.951 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF136140.D  
Acq: 04 Nov 2023 10:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB156876BS



Tgt Ion:244 Resp: 1449103  
Ion Ratio Lower Upper  
244 100  
212 6.7 5.1 7.7  
122 11.0 8.6 12.8



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.492 min Scan# 2279  
Delta R.T. 0.000 min  
Lab File: BF136140.D  
Acq: 04 Nov 2023 10:33

Tgt Ion:264 Resp: 196394  
Ion Ratio Lower Upper  
264 100  
260 24.2 17.9 26.9  
265 20.6 16.8 25.2

