

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081623\  
 Data File : BF134797.D  
 Acq On : 16 Aug 2023 08:45  
 Operator : CG\JU  
 Sample : PB154844BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB154844BL

Quant Time: Aug 17 01:29:07 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF080123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 04 09:29:15 2023  
 Response via : Initial Calibration

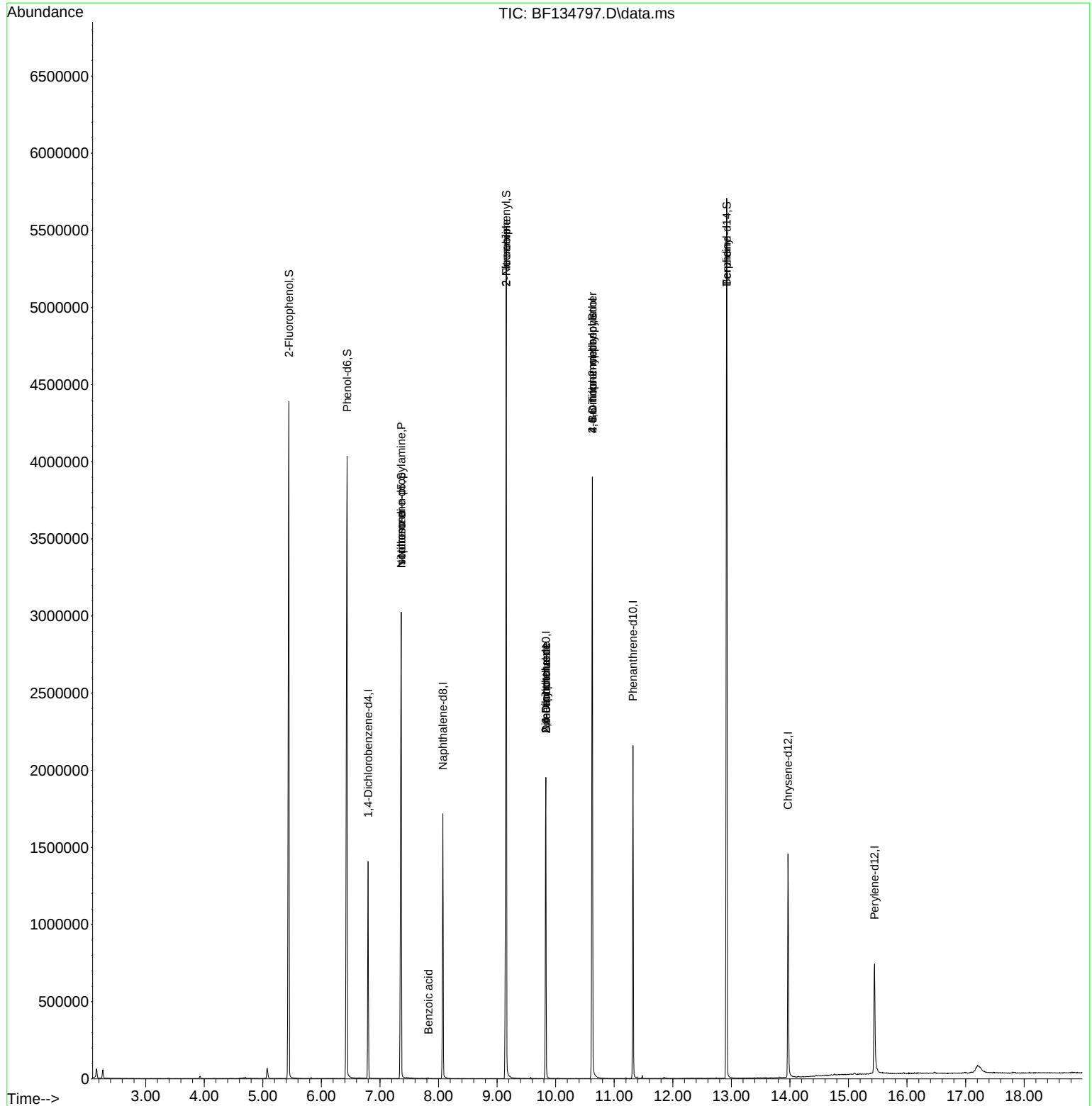
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.798  | 152  | 190692   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.075  | 136  | 768923   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.833  | 164  | 405968   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.322 | 188  | 767605   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.968 | 240  | 511566   | 20.000    | ng    | # 0.00   |
| 86) Perylene-d12              | 15.445 | 264  | 413830   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.446  | 112  | 1386173  | 110.499   | ng    | 0.02     |
| 7) Phenol-d6                  | 6.440  | 99   | 1732294  | 108.025   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.363  | 82   | 1137366  | 92.437    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.628 | 330  | 572660   | 138.375   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.157  | 172  | 2018101  | 82.654    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.921 | 244  | 2487977  | 85.736    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.440  | 77   | 2822     | Below Cal | #     | 3        |
| 19) n-Nitroso-di-n-propyla... | 7.363  | 70   | 153767   | 16.015    | ng    | # 72     |
| 25) Isophorone                | 7.363  | 82   | 1121422  | 41.787    | ng    | # 65     |
| 32) Benzoic acid              | 7.828  | 122  | 53       | 7.873     | ng    | # 55     |
| 48) 2-Nitroaniline            | 9.157  | 65   | 3181     | 3.569     | ng    | # 1      |
| 50) Dimethylphthalate         | 9.833  | 163  | 86744    | 3.135     | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.833  | 165  | 53120    | 11.378    | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.833  | 165  | 53120    | 10.148    | ng    | # 18     |
| 65) 4,6-Dinitro-2-methylph... | 10.628 | 198  | 1172     | 9.008     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.628 | 248  | 35605    | 4.237     | ng    | # 1      |
| 77) Benzidine                 | 12.921 | 184  | 30048    | 2.706     | ng    | # 93     |
| -----                         |        |      |          |           |       |          |

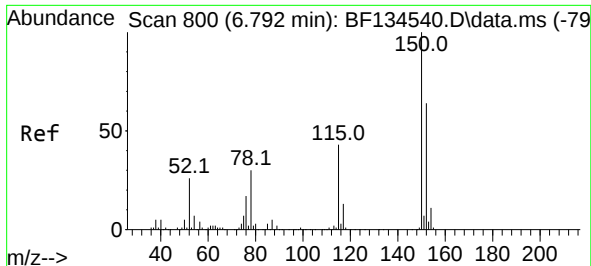
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081623\  
Data File : BF134797.D  
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Instrument :  
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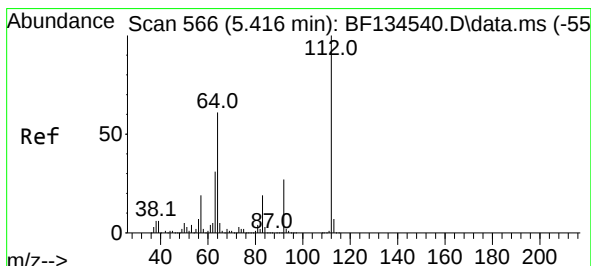
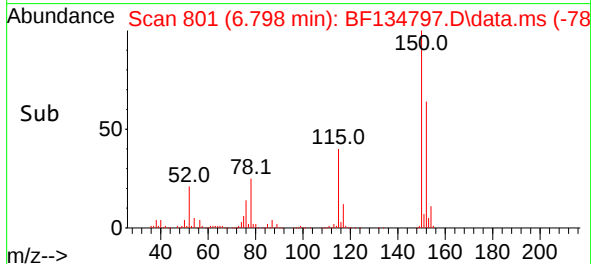
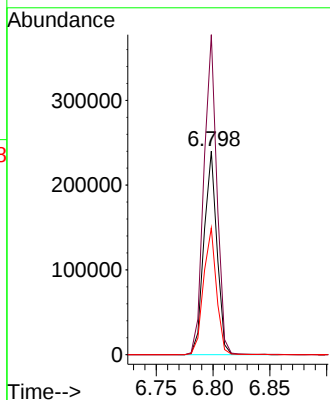
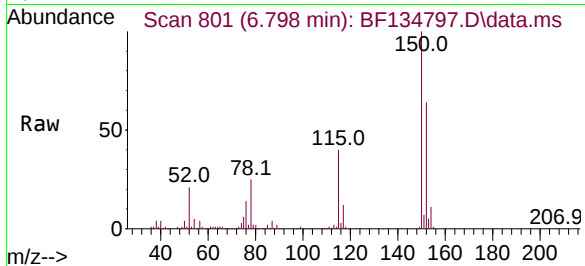




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.798 min Scan# 800  
 Delta R.T. 0.000 min  
 Lab File: BF134797.D  
 Acq: 16 Aug 2023 08:45

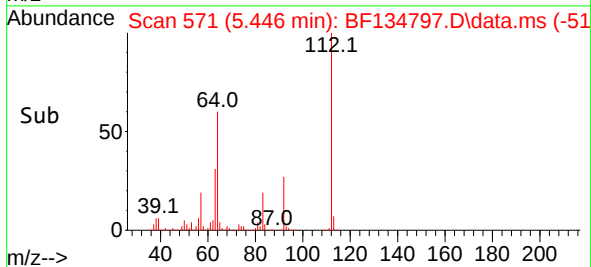
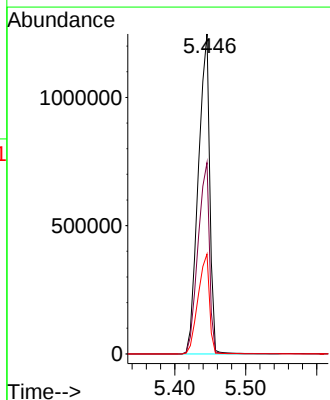
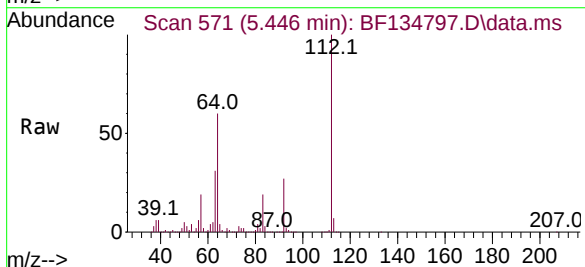
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB154844BL

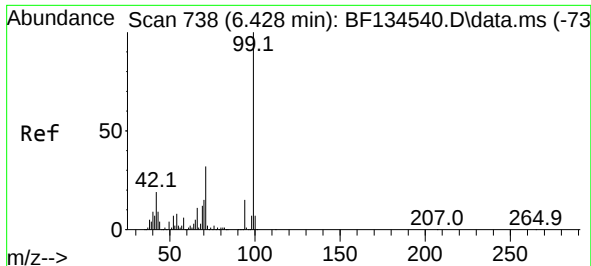
Tgt Ion:152 Resp: 190692  
 Ion Ratio Lower Upper  
 152 100  
 150 157.3 128.3 192.5  
 115 62.3 52.4 78.6



#5  
 2-Fluorophenol  
 Concen: 110.499 ng  
 RT: 5.446 min Scan# 571  
 Delta R.T. 0.018 min  
 Lab File: BF134797.D  
 Acq: 16 Aug 2023 08:45

Tgt Ion:112 Resp: 1386173  
 Ion Ratio Lower Upper  
 112 100  
 64 59.8 44.9 67.3  
 63 31.2 25.4 38.0

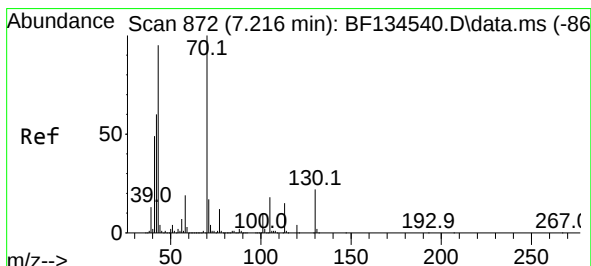
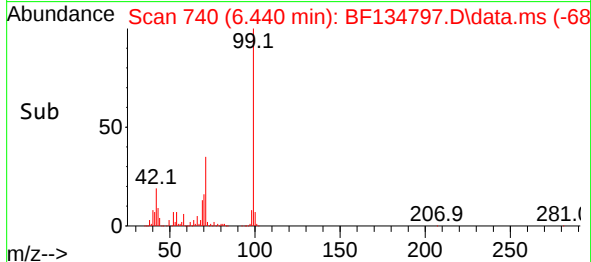
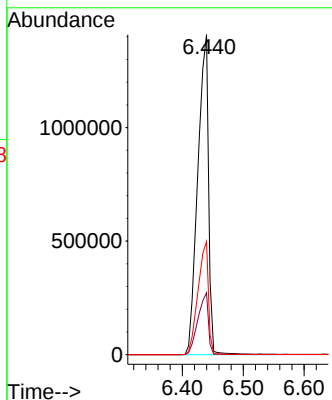
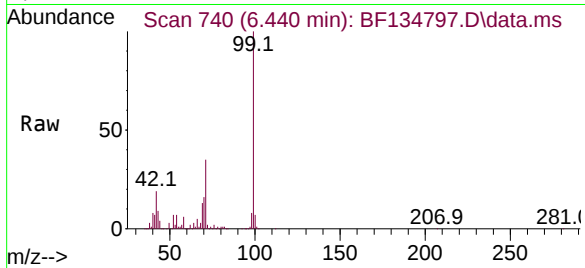




#7  
Phenol-d6  
Concen: 108.025 ng  
RT: 6.440 min Scan# 74  
Delta R.T. 0.000 min  
Lab File: BF134797.D  
Acq: 16 Aug 2023 08:45

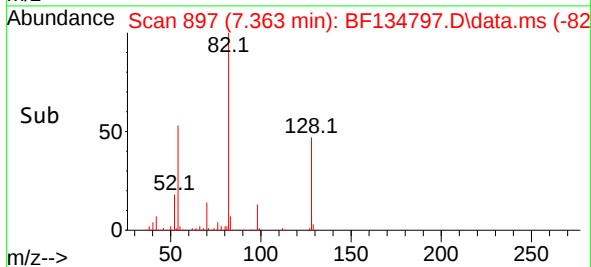
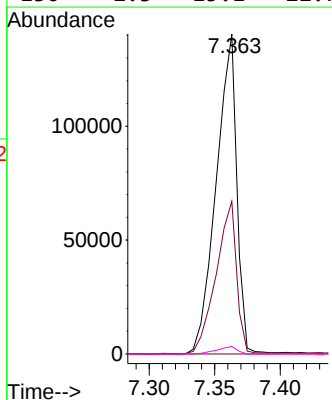
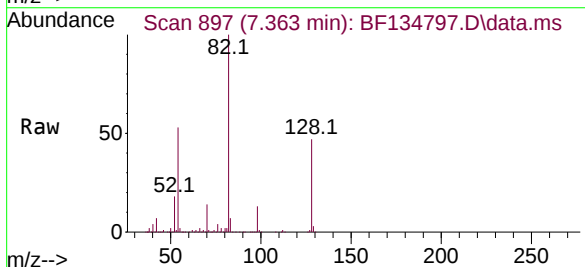
Instrument :  
BNA\_F  
ClientSampleId :  
PB154844BL

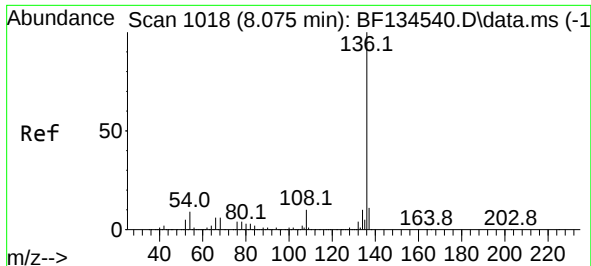
Tgt Ion: 99 Resp: 1732294  
Ion Ratio Lower Upper  
99 100  
42 19.3 18.7 28.1  
71 35.3 36.4 54.6#



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.015 ng  
RT: 7.363 min Scan# 897  
Delta R.T. 0.141 min  
Lab File: BF134797.D  
Acq: 16 Aug 2023 08:45

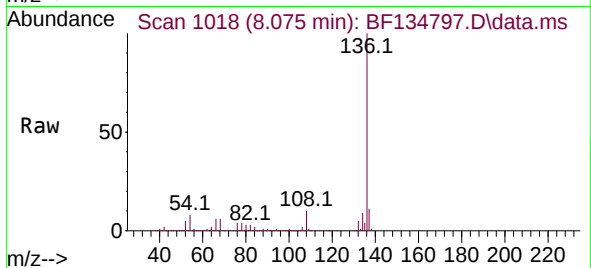
Tgt Ion: 70 Resp: 153767  
Ion Ratio Lower Upper  
70 100  
42 47.7 54.7 82.1#  
101 0.0 8.2 12.2#  
130 2.3 15.1 22.7#





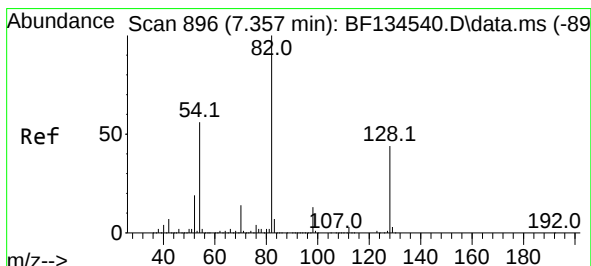
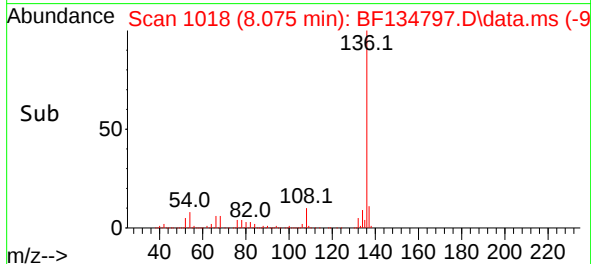
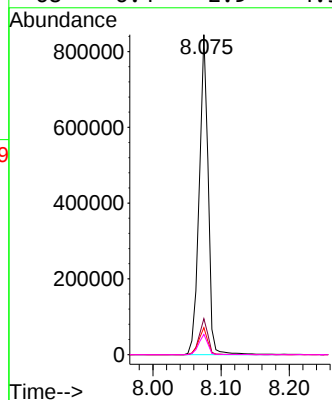
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.075 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: BF134797.D  
Acq: 16 Aug 2023 08:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB154844BL



Tgt Ion:136 Resp: 768923

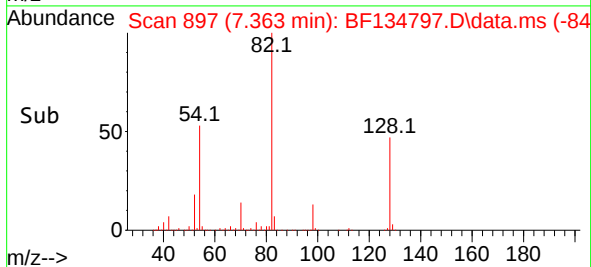
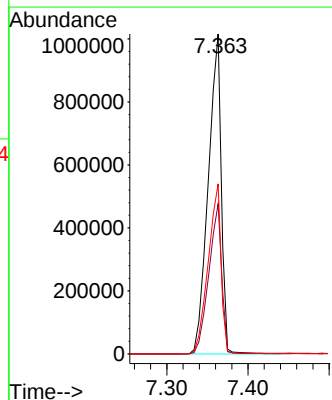
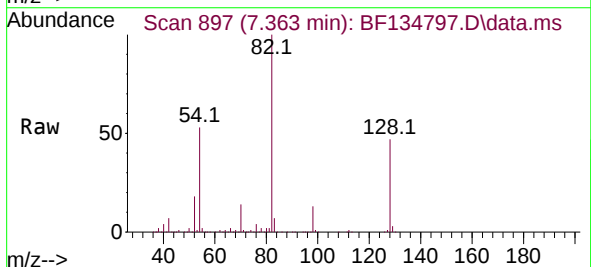
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 8.4   | 12.6  |
| 54  | 8.4   | 5.2   | 7.8#  |
| 68  | 6.4   | 2.9   | 4.3#  |

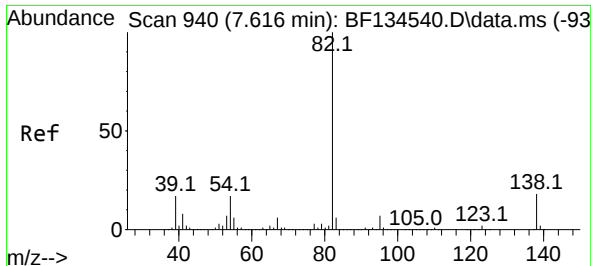


#23  
Nitrobenzene-d5  
Concen: 92.437 ng  
RT: 7.363 min Scan# 897  
Delta R.T. -0.006 min  
Lab File: BF134797.D  
Acq: 16 Aug 2023 08:45

Tgt Ion: 82 Resp: 1137366

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 46.9  | 34.3  | 51.5  |
| 54  | 53.1  | 43.8  | 65.6  |

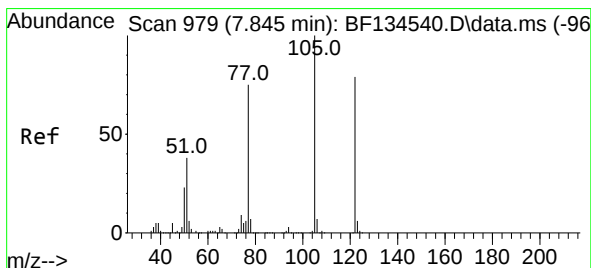
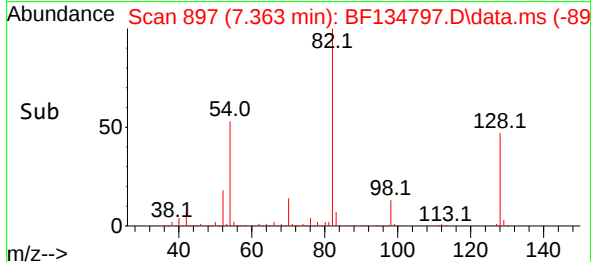
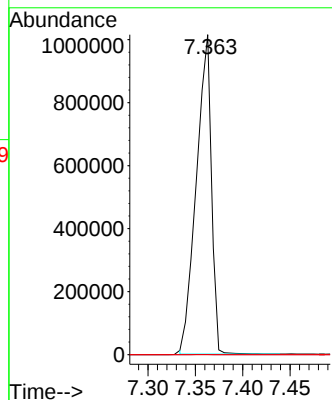
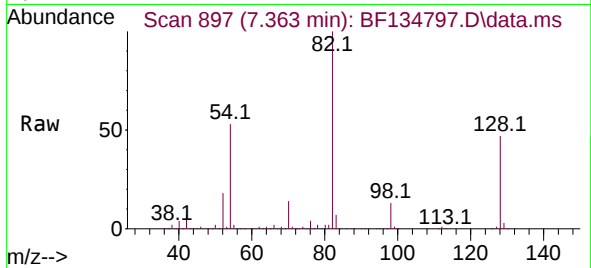




#25  
Isophorone  
Concen: 41.787 ng  
RT: 7.363 min Scan# 89  
Delta R.T. -0.265 min  
Lab File: BF134797.D  
Acq: 16 Aug 2023 08:45

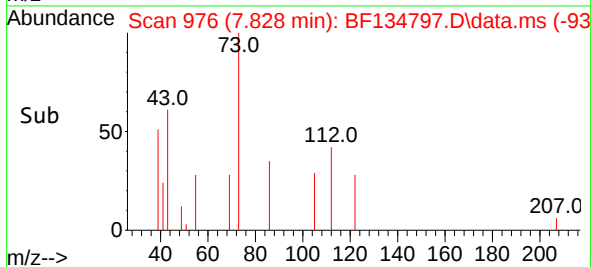
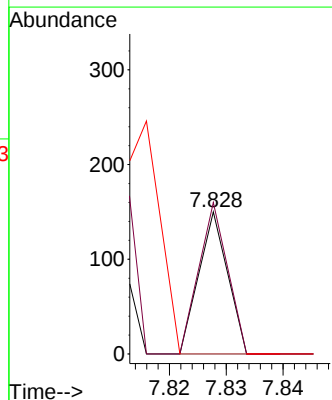
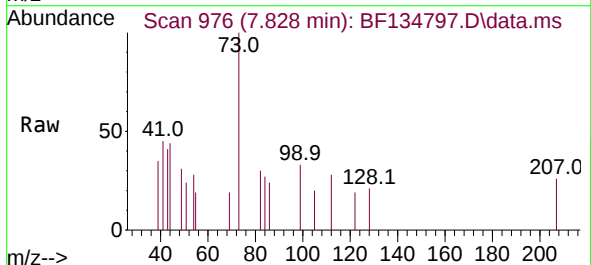
Instrument :  
BNA\_F  
ClientSampleId :  
PB154844BL

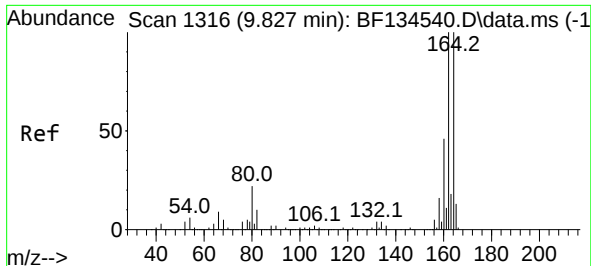
Tgt Ion: 82 Resp: 1121422  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 14.6 22.0#



#32  
Benzoic acid  
Concen: 7.873 ng  
RT: 7.828 min Scan# 976  
Delta R.T. -0.035 min  
Lab File: BF134797.D  
Acq: 16 Aug 2023 08:45

Tgt Ion:122 Resp: 53  
Ion Ratio Lower Upper  
122 100  
105 106.7 87.5 127.5  
77 0.0 71.4 111.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1316

Delta R.T. 0.000 min

Lab File: BF134797.D

Acq: 16 Aug 2023 08:45

Instrument :

BNA\_F

ClientSampleId :

PB154844BL

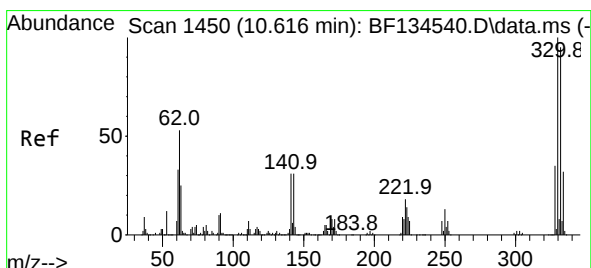
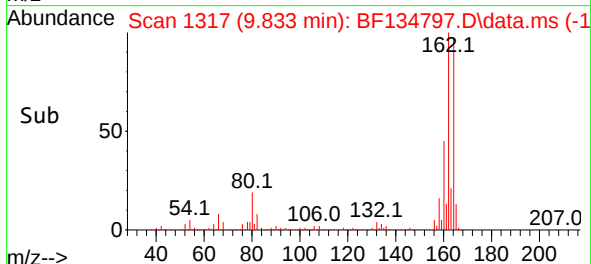
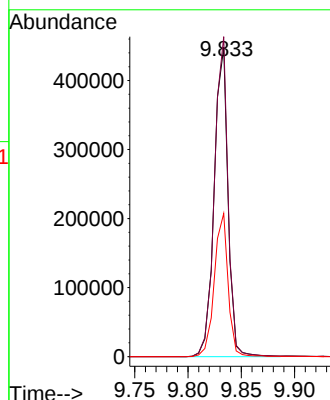
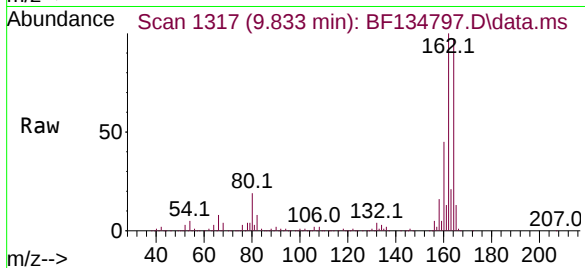
Tgt Ion:164 Resp: 405968

Ion Ratio Lower Upper

164 100

162 103.5 82.6 123.8

160 46.3 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 138.375 ng

RT: 10.628 min Scan# 1452

Delta R.T. 0.000 min

Lab File: BF134797.D

Acq: 16 Aug 2023 08:45

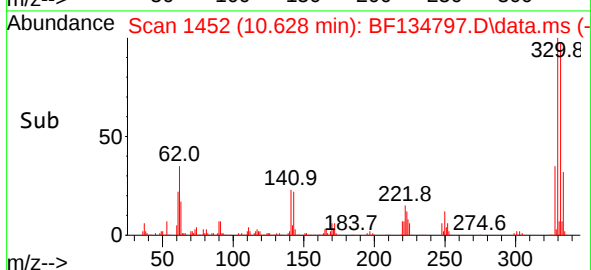
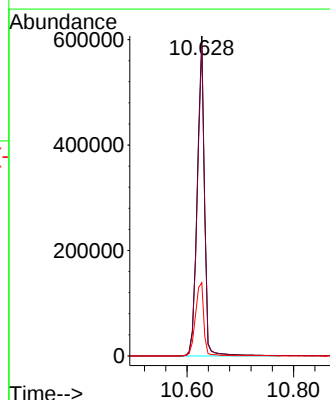
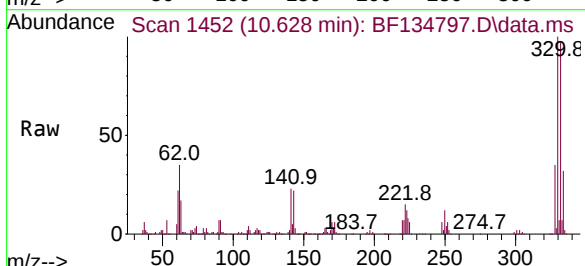
Tgt Ion:330 Resp: 572660

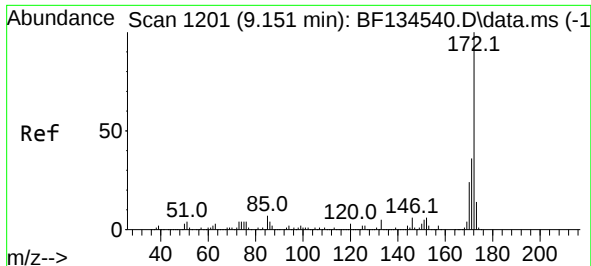
Ion Ratio Lower Upper

330 100

332 97.0 78.8 118.2

141 26.6 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 82.654 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF134797.D

Acq: 16 Aug 2023 08:45

Instrument :

BNA\_F

ClientSampleId :

PB154844BL

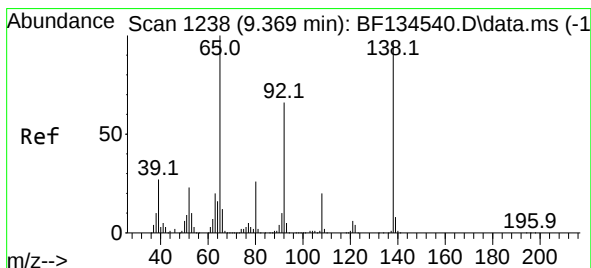
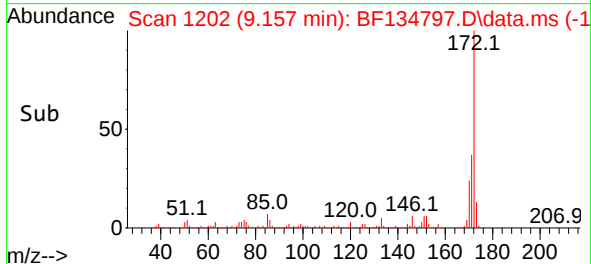
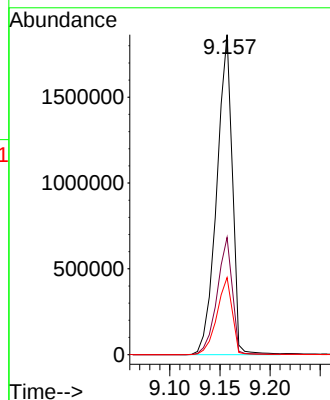
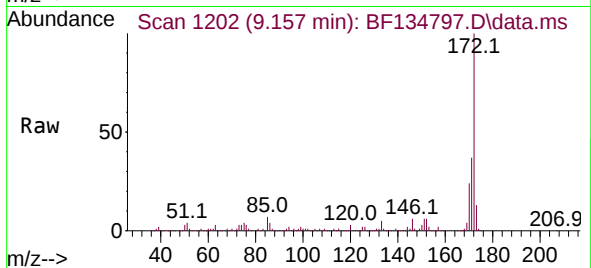
Tgt Ion:172 Resp: 2018101

Ion Ratio Lower Upper

172 100

171 36.6 28.8 43.2

170 24.1 18.7 28.1



#48

2-Nitroaniline

Concen: 3.569 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.223 min

Lab File: BF134797.D

Acq: 16 Aug 2023 08:45

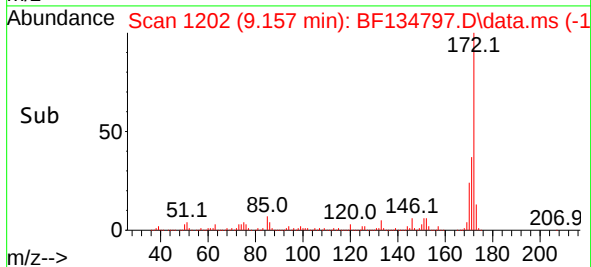
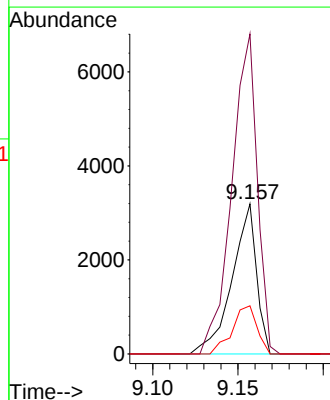
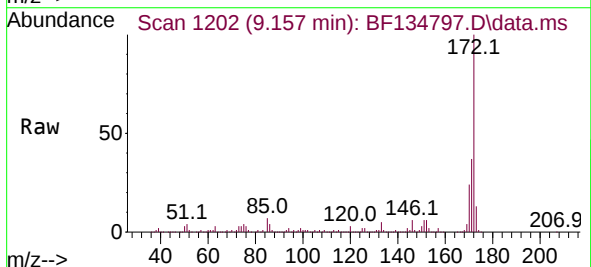
Tgt Ion: 65 Resp: 3181

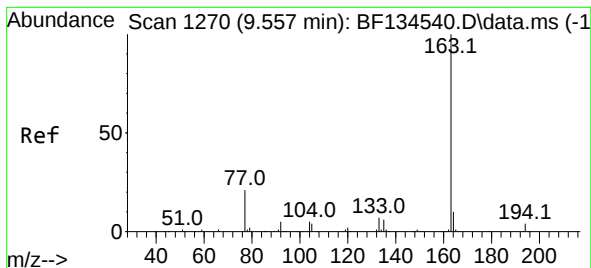
Ion Ratio Lower Upper

65 100

92 213.3 50.7 76.1#

138 32.1 78.2 117.4#





#50

Dimethylphthalate

Concen: 3.135 ng

RT: 9.833 min Scan# 1317

Delta R.T. 0.265 min

Lab File: BF134797.D

Acq: 16 Aug 2023 08:45

Instrument :

BNA\_F

ClientSampleId :

PB154844BL

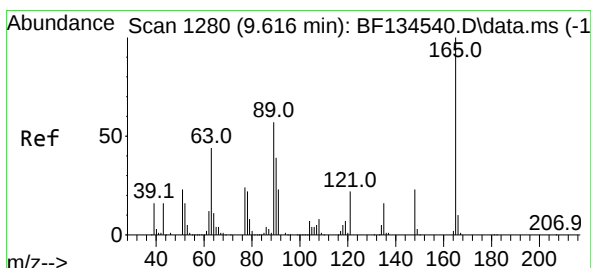
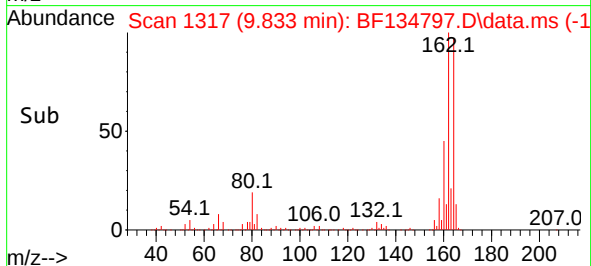
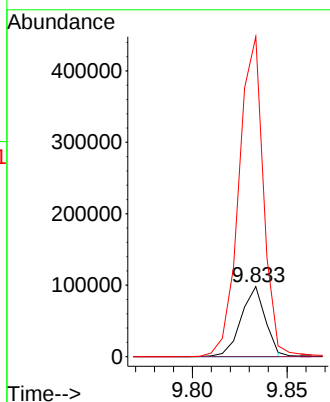
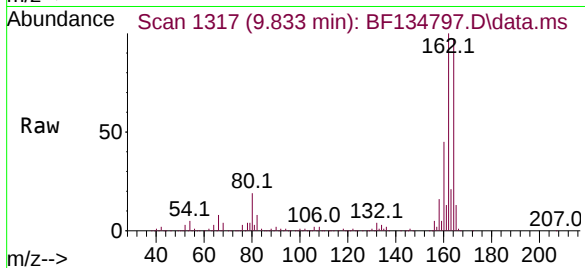
Tgt Ion:163 Resp: 86744

Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 456.6 7.5 11.3#



#51

2,6-Dinitrotoluene

Concen: 11.378 ng

RT: 9.833 min Scan# 1317

Delta R.T. 0.206 min

Lab File: BF134797.D

Acq: 16 Aug 2023 08:45

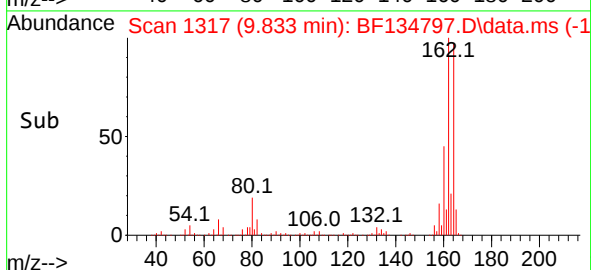
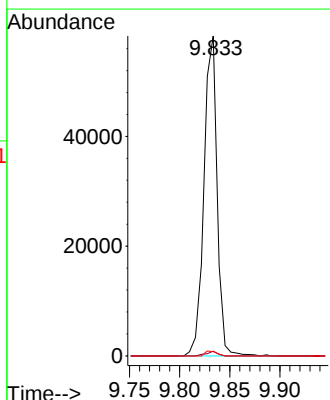
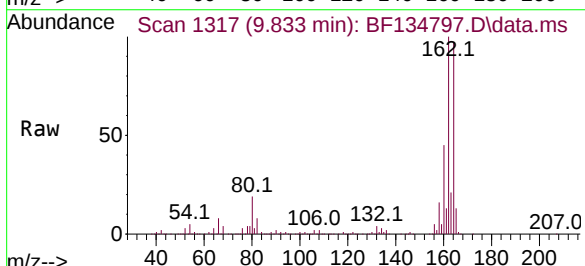
Tgt Ion:165 Resp: 53120

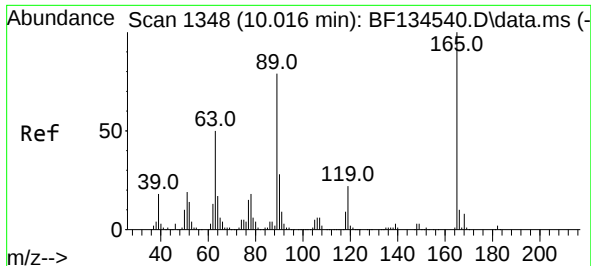
Ion Ratio Lower Upper

165 100

63 1.5 57.8 86.6#

89 1.3 51.8 77.8#

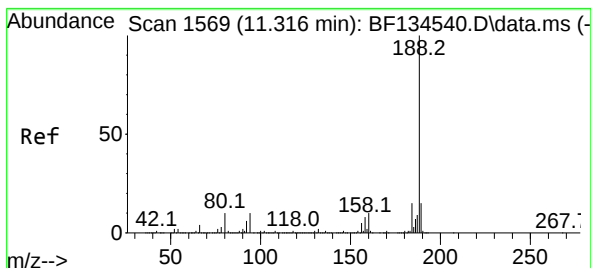
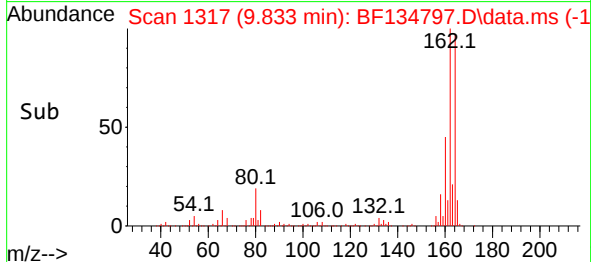
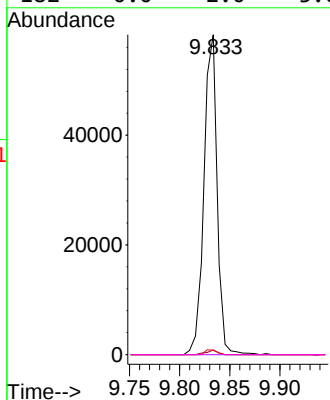
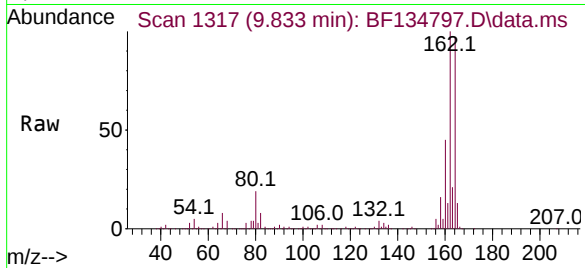




#57  
2,4-Dinitrotoluene  
Concen: 10.148 ng  
RT: 9.833 min Scan# 1348  
Delta R.T. -0.194 min  
Lab File: BF134797.D  
Acq: 16 Aug 2023 08:45

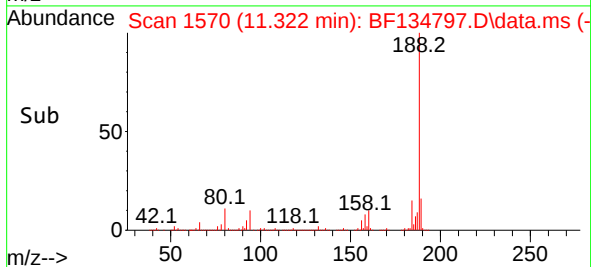
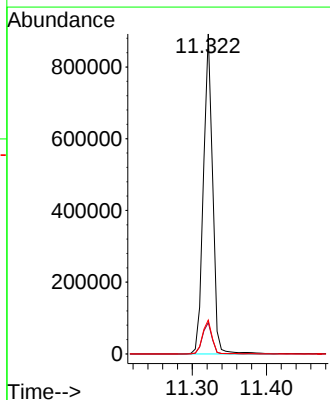
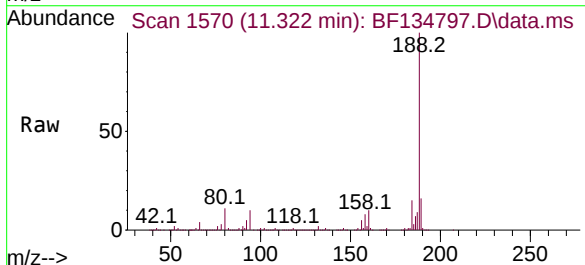
Instrument :  
BNA\_F  
ClientSampleId :  
PB154844BL

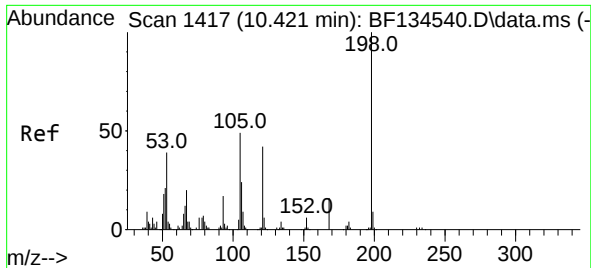
Tgt Ion:165 Resp: 53120  
Ion Ratio Lower Upper  
165 100  
63 1.5 48.9 73.3#  
89 1.3 61.7 92.5#  
182 0.0 2.0 3.0#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.322 min Scan# 1570  
Delta R.T. 0.000 min  
Lab File: BF134797.D  
Acq: 16 Aug 2023 08:45

Tgt Ion:188 Resp: 767605  
Ion Ratio Lower Upper  
188 100  
94 9.8 5.1 7.7#  
80 10.6 6.6 9.8#

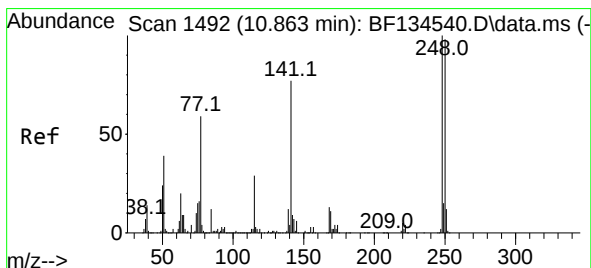
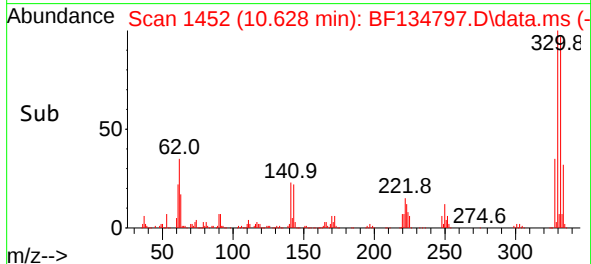
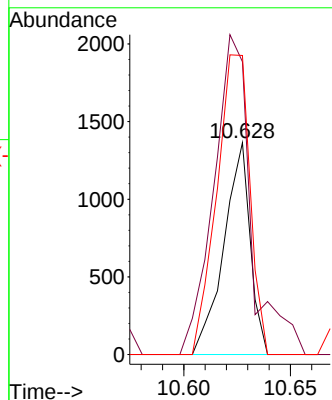
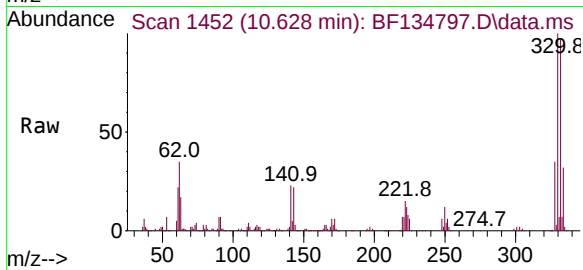




#65  
4,6-Dinitro-2-methylphenol  
Concen: 9.008 ng  
RT: 10.628 min Scan# 1417  
Delta R.T. 0.188 min  
Lab File: BF134797.D  
Acq: 16 Aug 2023 08:45

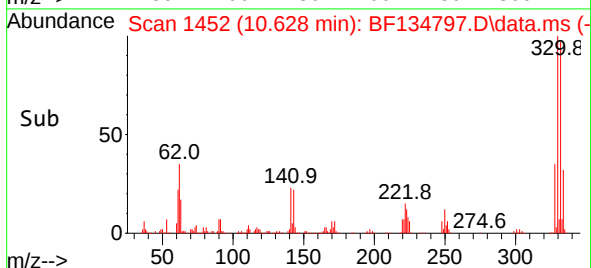
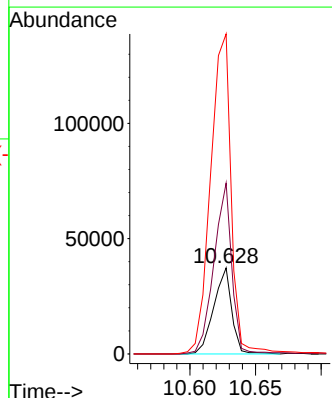
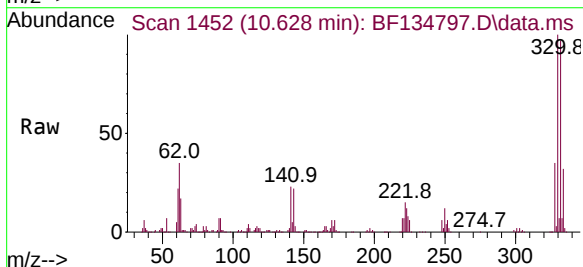
Instrument :  
BNA\_F  
ClientSampleId :  
PB154844BL

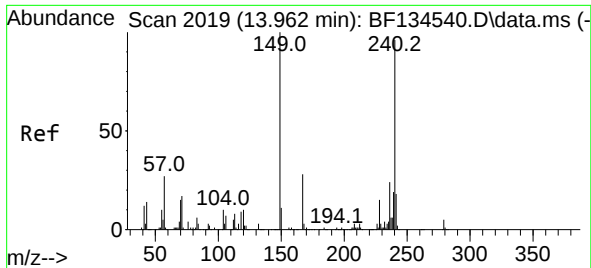
Tgt Ion:198 Resp: 1172  
Ion Ratio Lower Upper  
198 100  
51 138.2 38.6 78.6#  
105 141.2 27.9 67.9#



#67  
4-Bromophenyl-phenylether  
Concen: 4.237 ng  
RT: 10.628 min Scan# 1452  
Delta R.T. -0.241 min  
Lab File: BF134797.D  
Acq: 16 Aug 2023 08:45

Tgt Ion:248 Resp: 35605  
Ion Ratio Lower Upper  
248 100  
250 198.5 79.6 119.4#  
141 372.0 59.6 89.4#

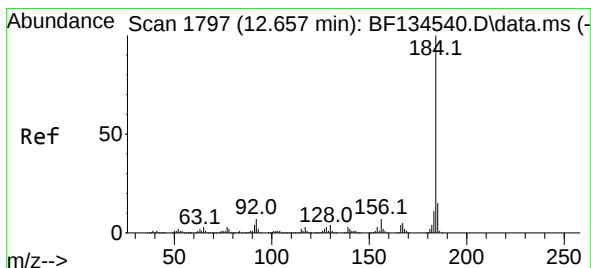
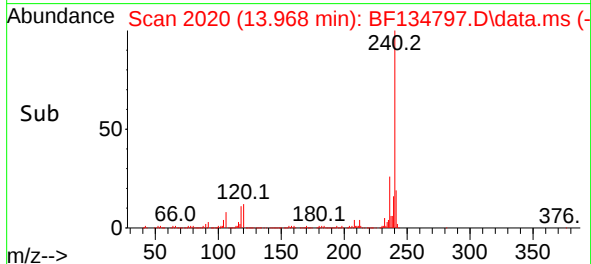
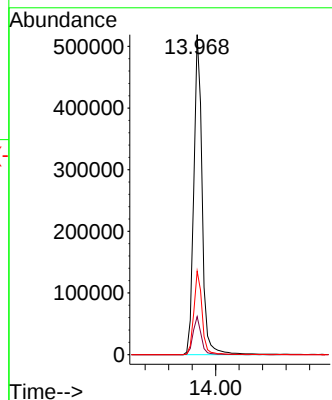
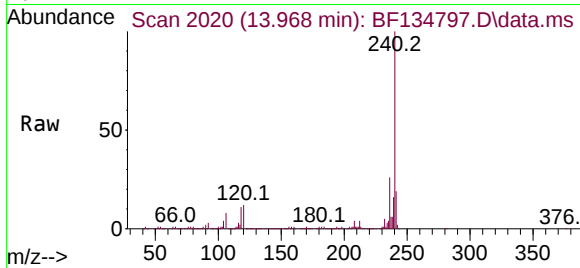




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.968 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BF134797.D  
Acq: 16 Aug 2023 08:45

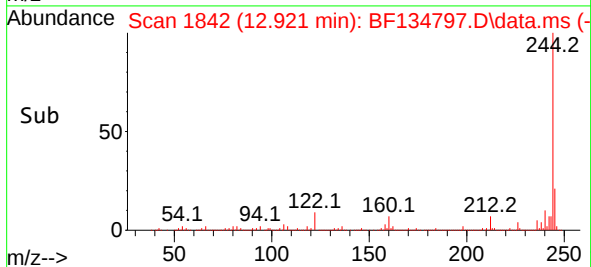
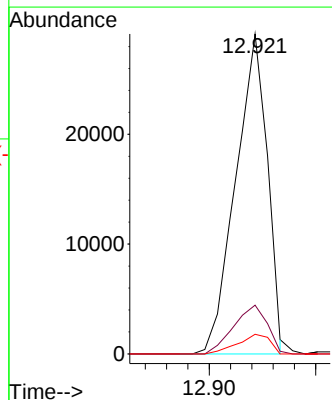
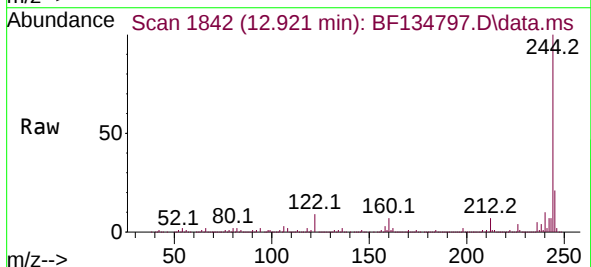
Instrument :  
BNA\_F  
ClientSampleId :  
PB154844BL

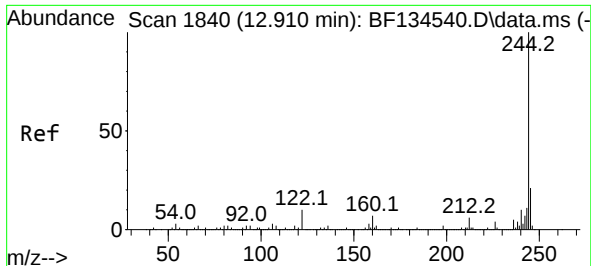
Tgt Ion:240 Resp: 511566  
Ion Ratio Lower Upper  
240 100  
120 11.9 6.6 10.0#  
236 26.1 20.2 30.2



#77  
Benzidine  
Concen: 2.706 ng  
RT: 12.921 min Scan# 1842  
Delta R.T. 0.259 min  
Lab File: BF134797.D  
Acq: 16 Aug 2023 08:45

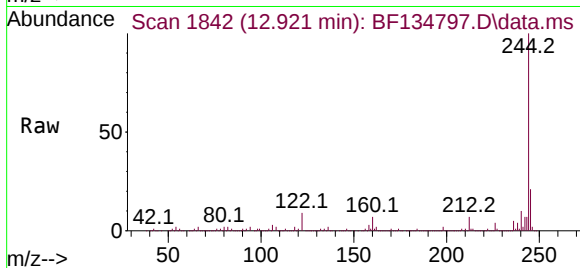
Tgt Ion:184 Resp: 30048  
Ion Ratio Lower Upper  
184 100  
185 15.2 11.2 16.8  
183 6.1 8.6 13.0#



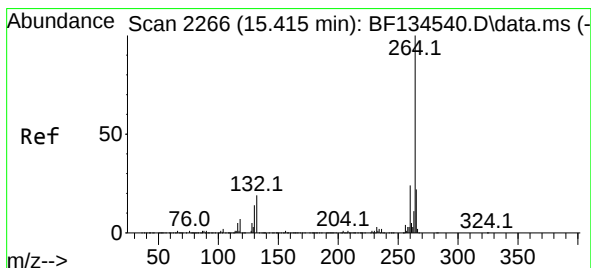
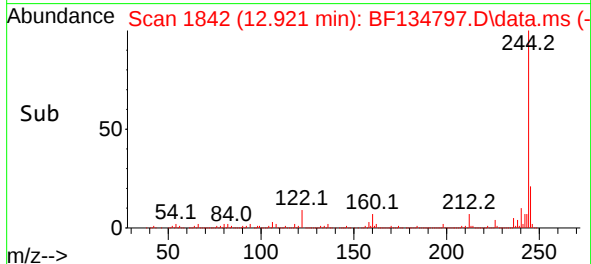
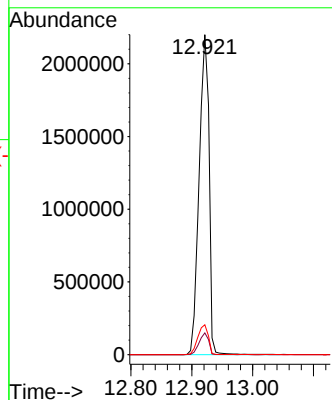


#79  
 Terphenyl-d14  
 Concen: 85.736 ng  
 RT: 12.921 min Scan# 1842  
 Delta R.T. 0.000 min  
 Lab File: BF134797.D  
 Acq: 16 Aug 2023 08:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB154844BL



Tgt Ion:244 Resp: 2487977  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.6 8.4  
 122 9.3 8.0 12.0



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.445 min Scan# 2271  
 Delta R.T. 0.006 min  
 Lab File: BF134797.D  
 Acq: 16 Aug 2023 08:45

Tgt Ion:264 Resp: 413830  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 18.4 27.6  
 265 21.3 15.8 23.8

