

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120723\  
 Data File : BF136450.D  
 Acq On : 07 Dec 2023 16:53  
 Operator : CG\JU  
 Sample : 05617-01 2X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-02-120423

Quant Time: Dec 07 17:34:14 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 06 09:40:27 2023  
 Response via : Initial Calibration

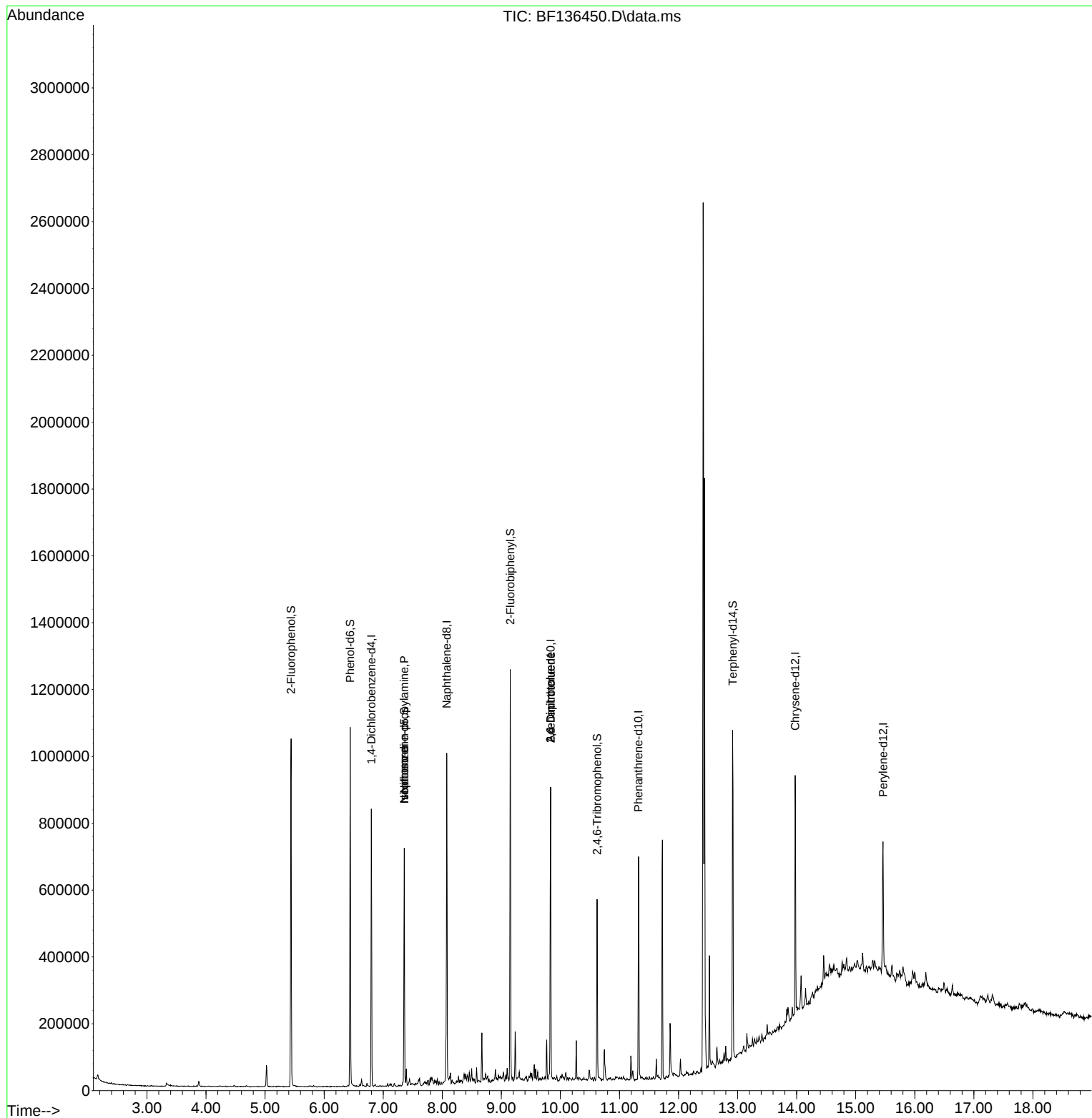
| Compound                      | R.T.   | QIon | Response | Conc      | Units    | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|----------|----------|
| -----                         |        |      |          |           |          |          |
| Internal Standards            |        |      |          |           |          |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.798  | 152  | 113474   | 20.000    | ng       | 0.00     |
| 21) Naphthalene-d8            | 8.075  | 136  | 393025   | 20.000    | ng       | 0.00     |
| 39) Acenaphthene-d10          | 9.834  | 164  | 156296   | 20.000    | ng       | 0.00     |
| 64) Phenanthrene-d10          | 11.322 | 188  | 251335   | 20.000    | ng       | 0.00     |
| 76) Chrysene-d12              | 13.974 | 240  | 236038   | 20.000    | ng       | 0.00     |
| 86) Perylene-d12              | 15.463 | 264  | 188862   | 20.000    | ng       | 0.01     |
|                               |        |      |          |           |          |          |
| System Monitoring Compounds   |        |      |          |           |          |          |
| 5) 2-Fluorophenol             | 5.440  | 112  | 289171   | 37.635    | ng       | 0.00     |
| 7) Phenol-d6                  | 6.440  | 99   | 333132   | 34.750    | ng       | 0.00     |
| 23) Nitrobenzene-d5           | 7.357  | 82   | 199787   | 27.481    | ng       | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.622 | 330  | 60158    | 31.216    | ng       | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.151  | 172  | 346584   | 30.258    | ng       | -0.01    |
| 79) Terphenyl-d14             | 12.916 | 244  | 340502   | 19.014    | ng       | 0.00     |
|                               |        |      |          |           |          |          |
| Target Compounds              |        |      |          |           |          |          |
| 9) Benzaldehyde               | 6.328  | 77   | 74       | Below Cal | Qvalue # | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.357  | 70   | 25074    | 4.534 ng  | #        | 78       |
| 25) Isophorone                | 7.357  | 82   | 199784   | 15.296 ng | #        | 65       |
| 51) 2,6-Dinitrotoluene        | 9.834  | 165  | 19867    | 7.674 ng  | #        | 28       |
| 57) 2,4-Dinitrotoluene        | 9.834  | 165  | 19867    | 5.801 ng  | #        | 28       |
| 77) Benzidine                 | 12.645 | 184  | 522      | Below Cal | #        | 1        |
| -----                         |        |      |          |           |          |          |

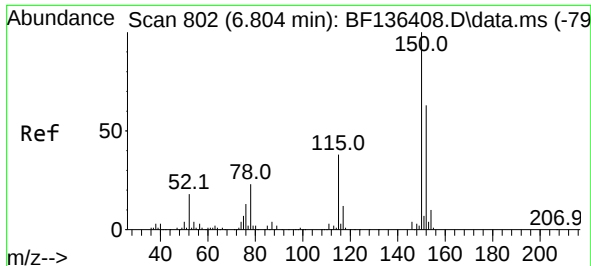
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-120423

Quant Time: Dec 07 17:34:14 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 06 09:40:27 2023  
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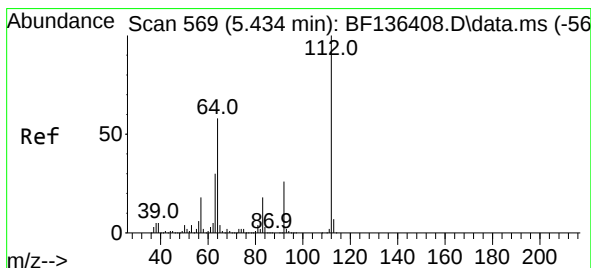
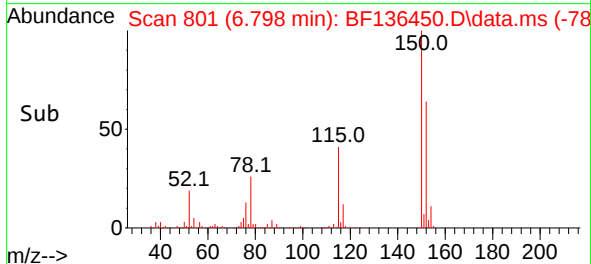
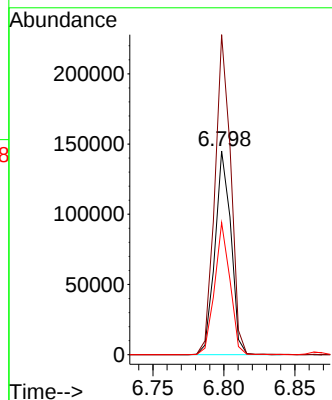
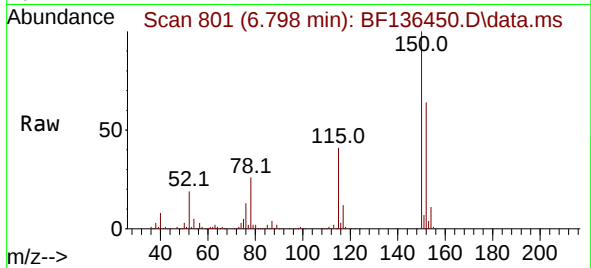




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.798 min Scan# 801  
Delta R.T. -0.006 min  
Lab File: BF136450.D  
Acq: 07 Dec 2023 16:53

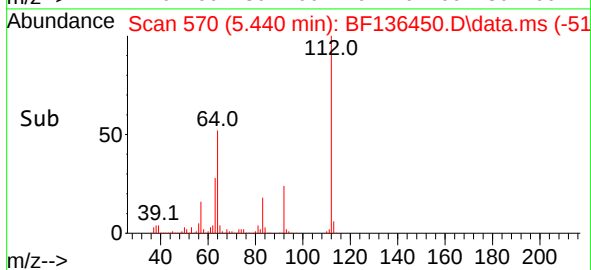
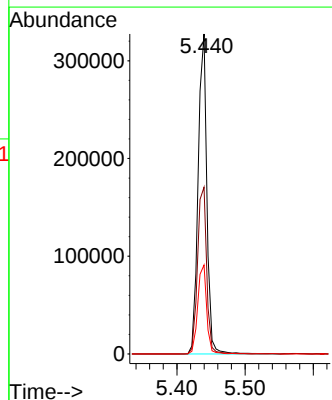
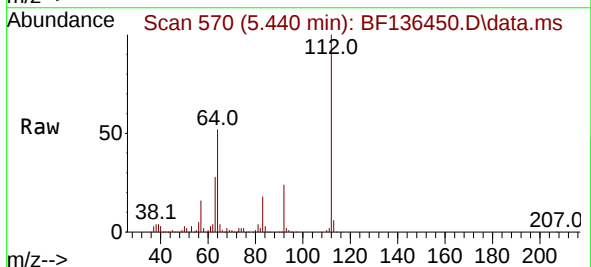
Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-120423

Tgt Ion:152 Resp: 113474  
Ion Ratio Lower Upper  
152 100  
150 157.1 126.4 189.6  
115 64.8 48.2 72.4



#5  
2-Fluorophenol  
Concen: 37.635 ng  
RT: 5.440 min Scan# 570  
Delta R.T. 0.006 min  
Lab File: BF136450.D  
Acq: 07 Dec 2023 16:53

Tgt Ion:112 Resp: 289171  
Ion Ratio Lower Upper  
112 100  
64 52.1 46.5 69.7  
63 27.8 23.9 35.9

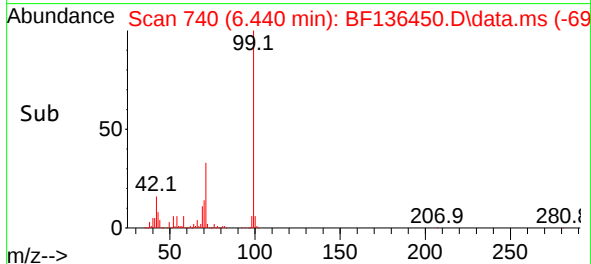
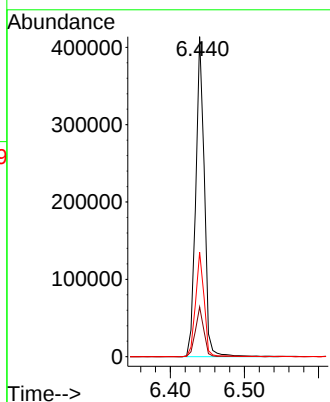
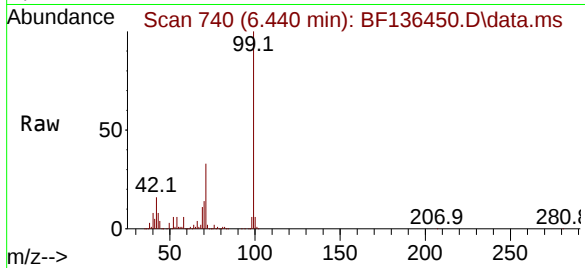




#7  
Phenol-d6  
Concen: 34.750 ng  
RT: 6.440 min Scan# 741  
Delta R.T. -0.006 min  
Lab File: BF136450.D  
Acq: 07 Dec 2023 16:53

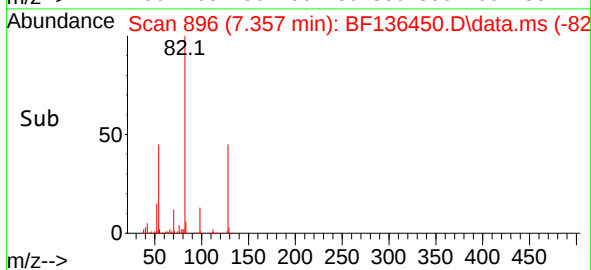
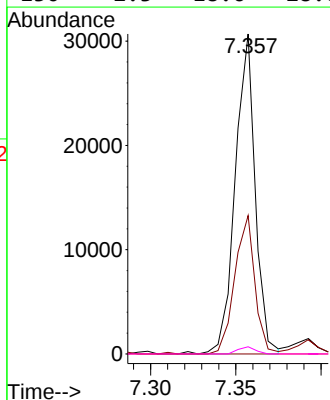
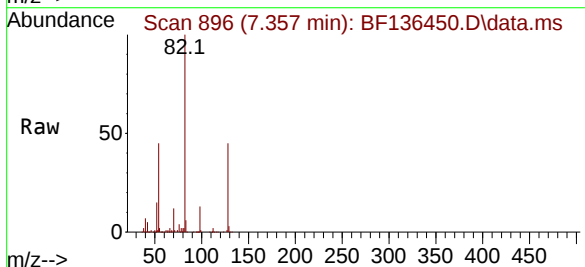
Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-120423

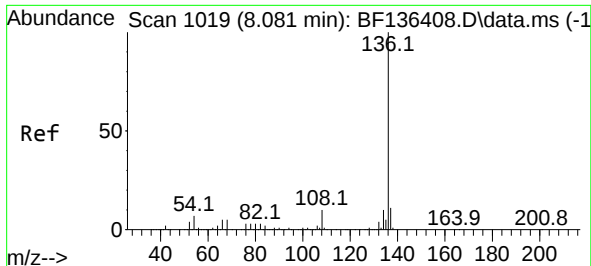
Tgt Ion: 99 Resp: 333132  
Ion Ratio Lower Upper  
99 100  
42 15.6 12.8 19.2  
71 32.7 27.0 40.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 4.534 ng  
RT: 7.357 min Scan# 896  
Delta R.T. 0.135 min  
Lab File: BF136450.D  
Acq: 07 Dec 2023 16:53

Tgt Ion: 70 Resp: 25074  
Ion Ratio Lower Upper  
70 100  
42 43.2 41.4 62.0  
101 0.0 8.2 12.4#  
130 2.3 18.6 28.0#

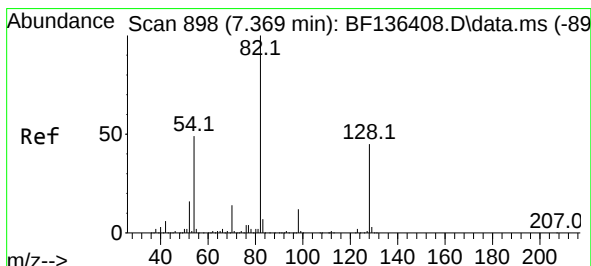
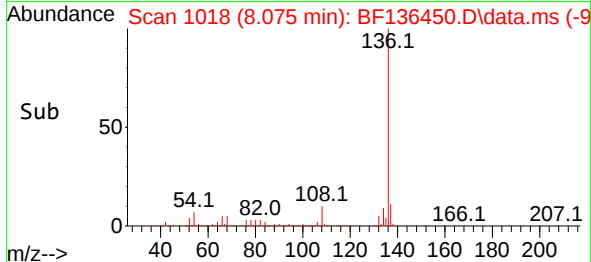
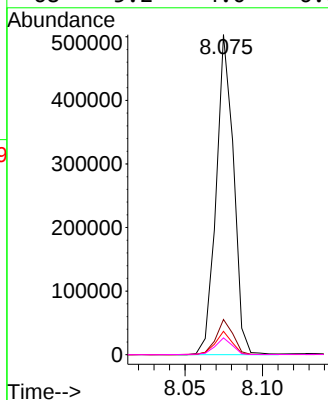
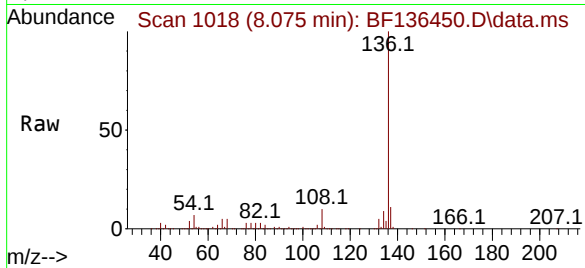




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.075 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: BF136450.D  
Acq: 07 Dec 2023 16:53

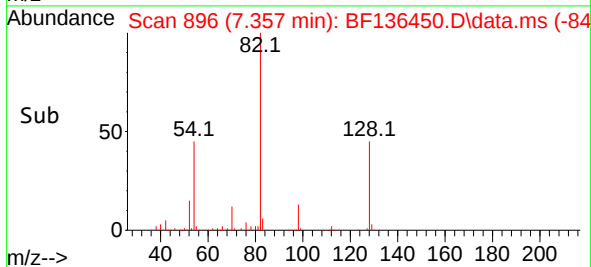
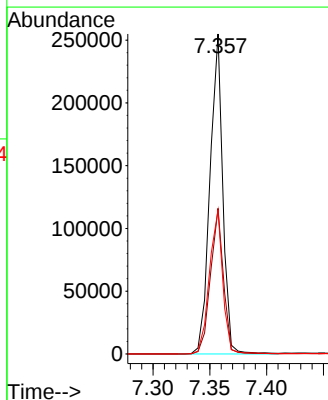
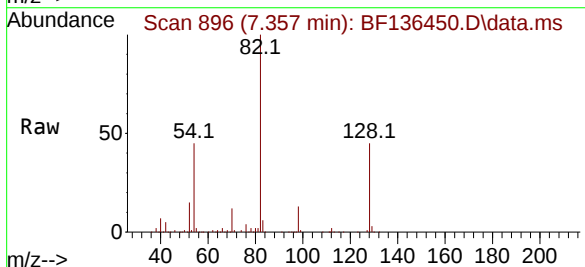
Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-120423

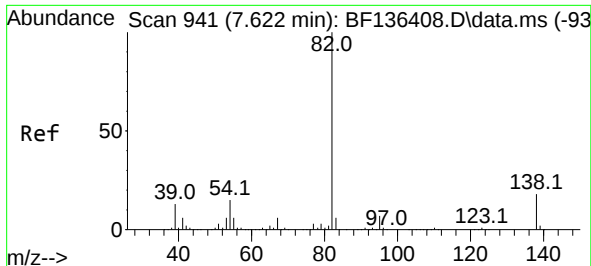
Tgt Ion:136 Resp: 393025  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.6 12.8  
54 7.3 5.7 8.5  
68 5.2 4.0 6.0



#23  
Nitrobenzene-d5  
Concen: 27.481 ng  
RT: 7.357 min Scan# 896  
Delta R.T. -0.012 min  
Lab File: BF136450.D  
Acq: 07 Dec 2023 16:53

Tgt Ion: 82 Resp: 199787  
Ion Ratio Lower Upper  
82 100  
128 45.5 36.3 54.5  
54 45.0 39.0 58.6

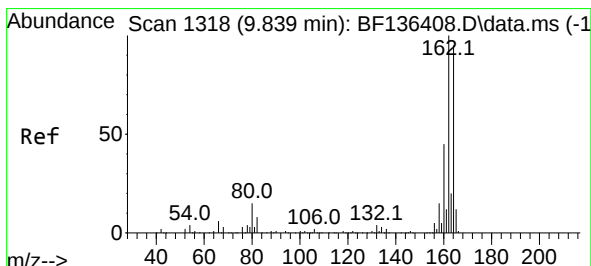
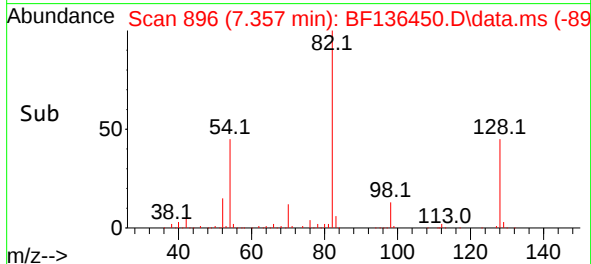
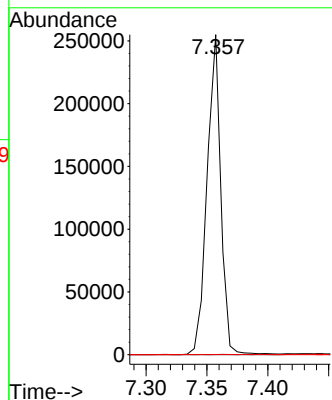
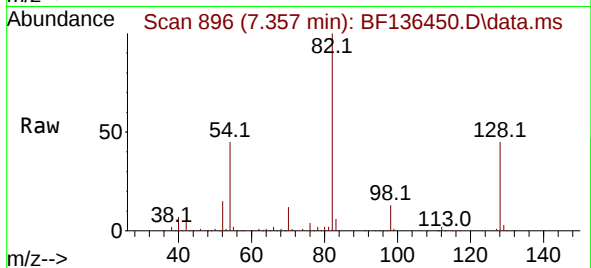




#25  
Isophorone  
Concen: 15.296 ng  
RT: 7.357 min Scan# 896  
Delta R.T. -0.265 min  
Lab File: BF136450.D  
Acq: 07 Dec 2023 16:53

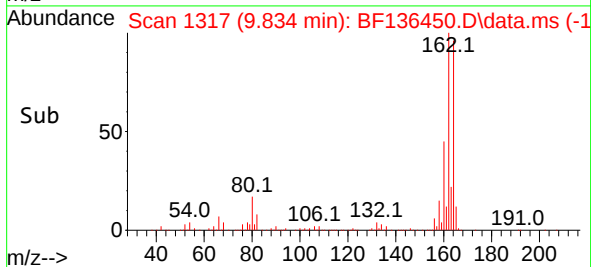
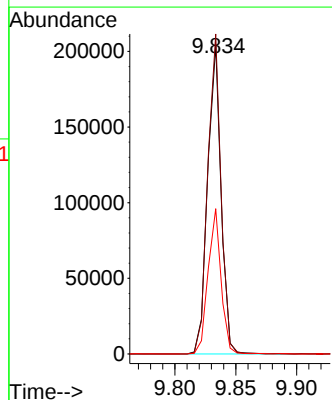
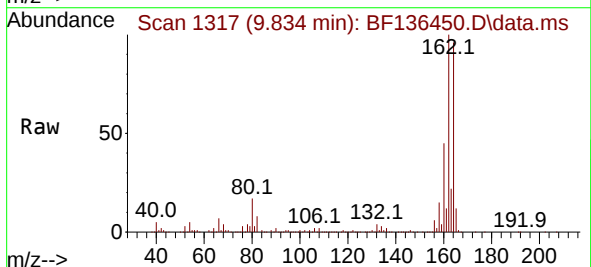
Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-120423

Tgt Ion: 82 Resp: 199784  
Ion Ratio Lower Upper  
82 100  
95 0.1 5.7 8.5#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.834 min Scan# 1317  
Delta R.T. -0.006 min  
Lab File: BF136450.D  
Acq: 07 Dec 2023 16:53

Tgt Ion:164 Resp: 156296  
Ion Ratio Lower Upper  
164 100  
162 103.7 84.4 126.6  
160 47.1 37.6 56.4

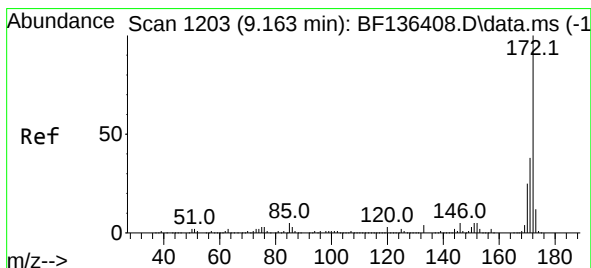
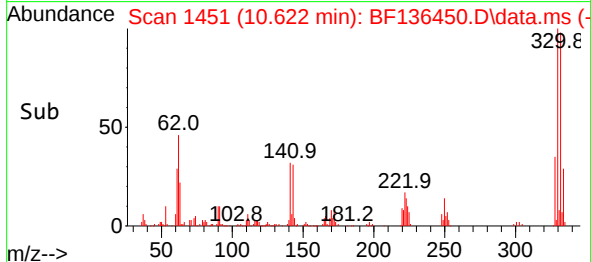
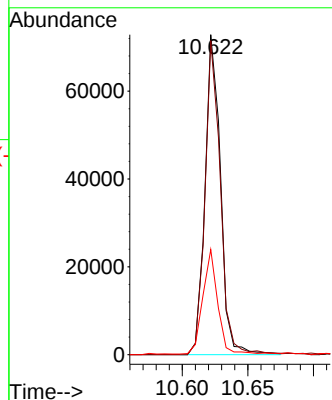
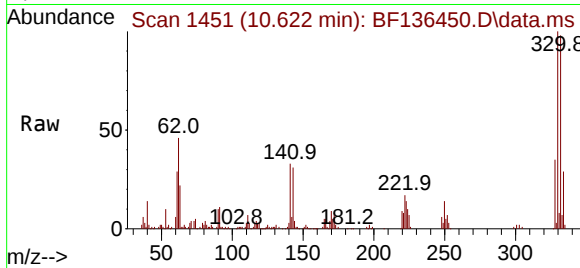




#42  
 2,4,6-Tribromophenol  
 Concen: 31.216 ng  
 RT: 10.622 min Scan# 1453  
 Delta R.T. -0.012 min  
 Lab File: BF136450.D  
 Acq: 07 Dec 2023 16:53

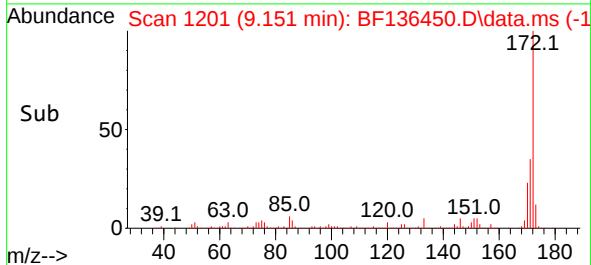
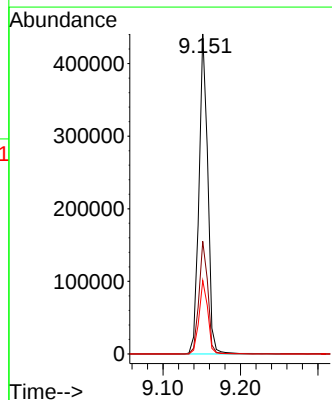
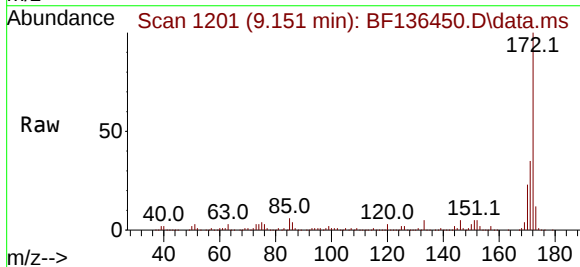
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-02-120423

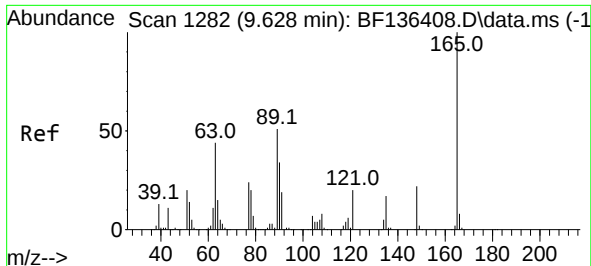
Tgt Ion: 330 Resp: 60158  
 Ion Ratio Lower Upper  
 330 100  
 332 97.6 76.4 114.6  
 141 31.2 23.4 35.2



#45  
 2-Fluorobiphenyl  
 Concen: 30.258 ng  
 RT: 9.151 min Scan# 1201  
 Delta R.T. -0.012 min  
 Lab File: BF136450.D  
 Acq: 07 Dec 2023 16:53

Tgt Ion: 172 Resp: 346584  
 Ion Ratio Lower Upper  
 172 100  
 171 35.2 30.5 45.7  
 170 23.0 19.9 29.9





#51

2,6-Dinitrotoluene

Concen: 7.674 ng

RT: 9.834 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF136450.D

Acq: 07 Dec 2023 16:53

Instrument :

BNA\_F

ClientSampleId :

HD-02-120423

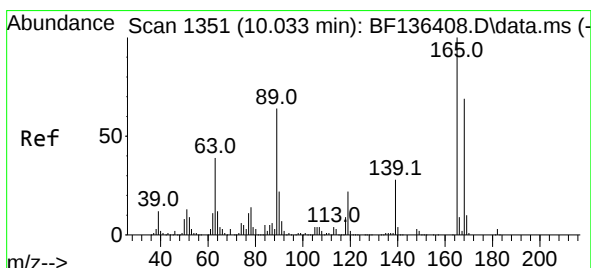
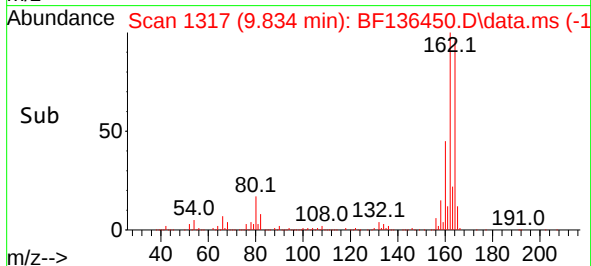
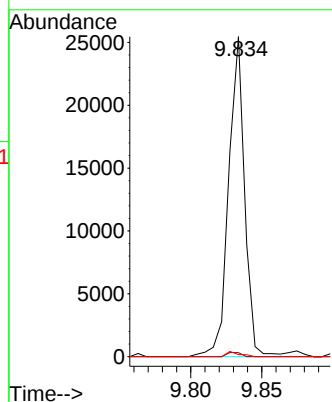
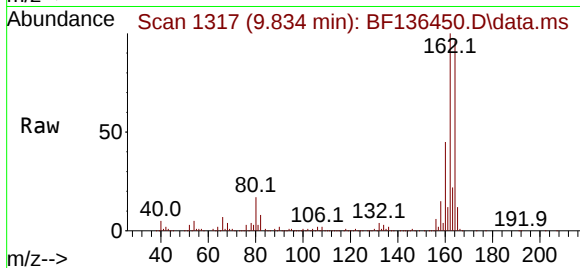
Tgt Ion:165 Resp: 19867

Ion Ratio Lower Upper

165 100

63 1.3 40.4 60.6#

89 0.7 40.6 60.8#



#57

2,4-Dinitrotoluene

Concen: 5.801 ng

RT: 9.834 min Scan# 1317

Delta R.T. -0.200 min

Lab File: BF136450.D

Acq: 07 Dec 2023 16:53

Tgt Ion:165 Resp: 19867

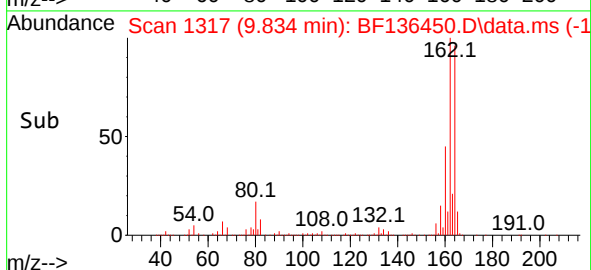
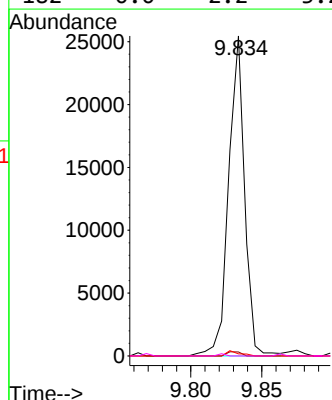
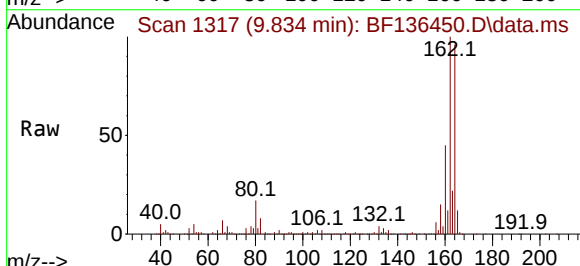
Ion Ratio Lower Upper

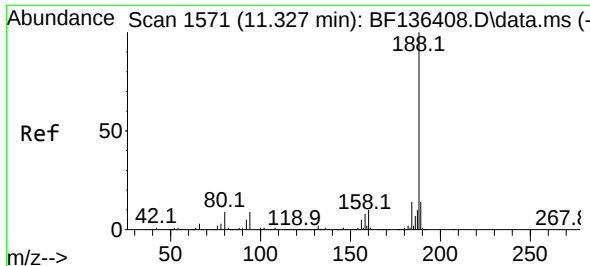
165 100

63 1.3 31.4 47.2#

89 0.7 51.7 77.5#

182 0.0 2.2 3.2#

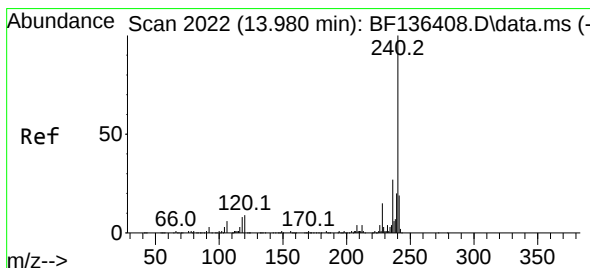
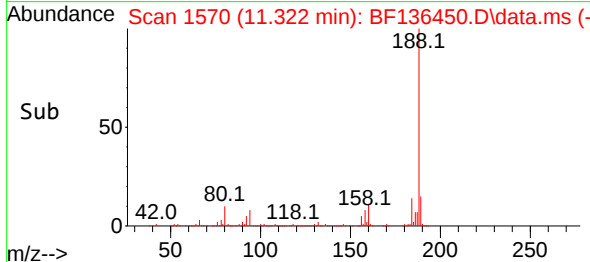
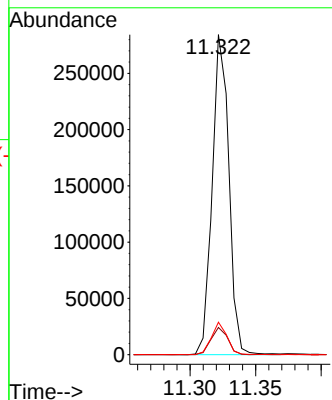
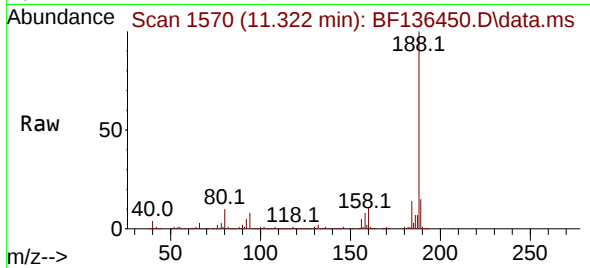




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.322 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136450.D  
Acq: 07 Dec 2023 16:53

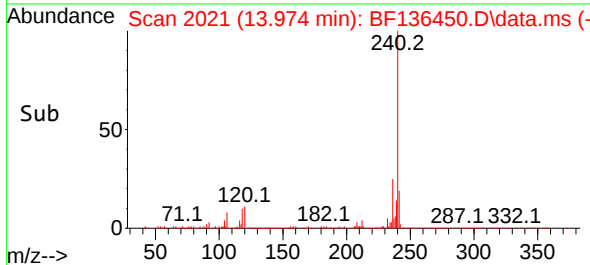
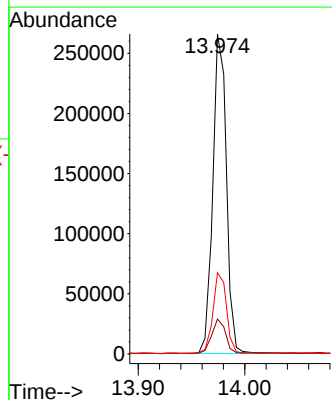
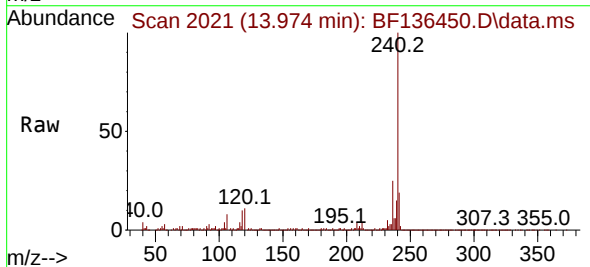
Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-120423

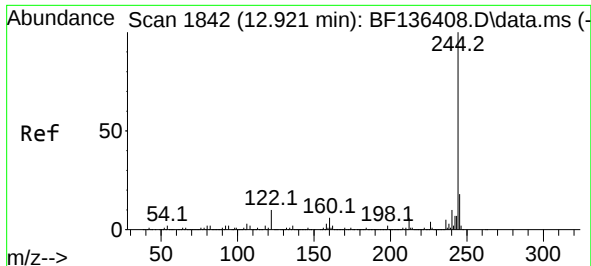
Tgt Ion:188 Resp: 251335  
Ion Ratio Lower Upper  
188 100  
94 8.5 7.2 10.8  
80 10.1 7.2 10.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.974 min Scan# 2021  
Delta R.T. -0.006 min  
Lab File: BF136450.D  
Acq: 07 Dec 2023 16:53

Tgt Ion:240 Resp: 236038  
Ion Ratio Lower Upper  
240 100  
120 10.9 7.3 10.9  
236 25.4 21.3 31.9

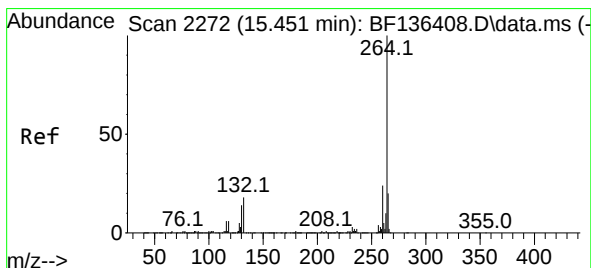
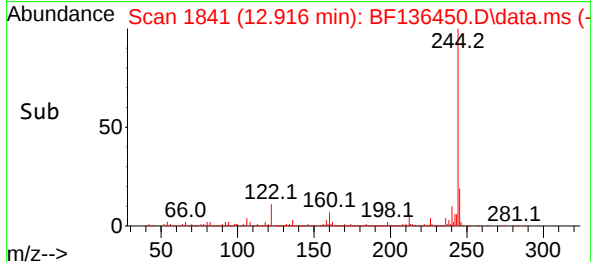
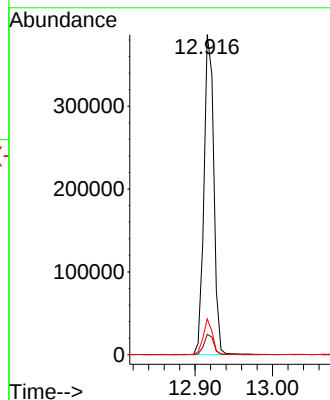
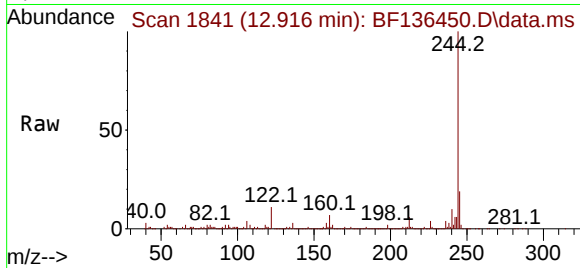




#79  
 Terphenyl-d14  
 Concen: 19.014 ng  
 RT: 12.916 min Scan# 1841  
 Delta R.T. -0.006 min  
 Lab File: BF136450.D  
 Acq: 07 Dec 2023 16:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-02-120423

Tgt Ion:244 Resp: 340502  
 Ion Ratio Lower Upper  
 244 100  
 212 6.3 5.0 7.4  
 122 11.2 8.3 12.5



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.463 min Scan# 2274  
 Delta R.T. 0.012 min  
 Lab File: BF136450.D  
 Acq: 07 Dec 2023 16:53

Tgt Ion:264 Resp: 188862  
 Ion Ratio Lower Upper  
 264 100  
 260 22.8 19.2 28.8  
 265 22.2 15.9 23.9

