

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101223\  
 Data File : BF135728.D  
 Acq On : 12 Oct 2023 11:49  
 Operator : CG\JU  
 Sample : 04814-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CON-1

Quant Time: Oct 12 12:15:00 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 11 02:43:17 2023  
 Response via : Initial Calibration

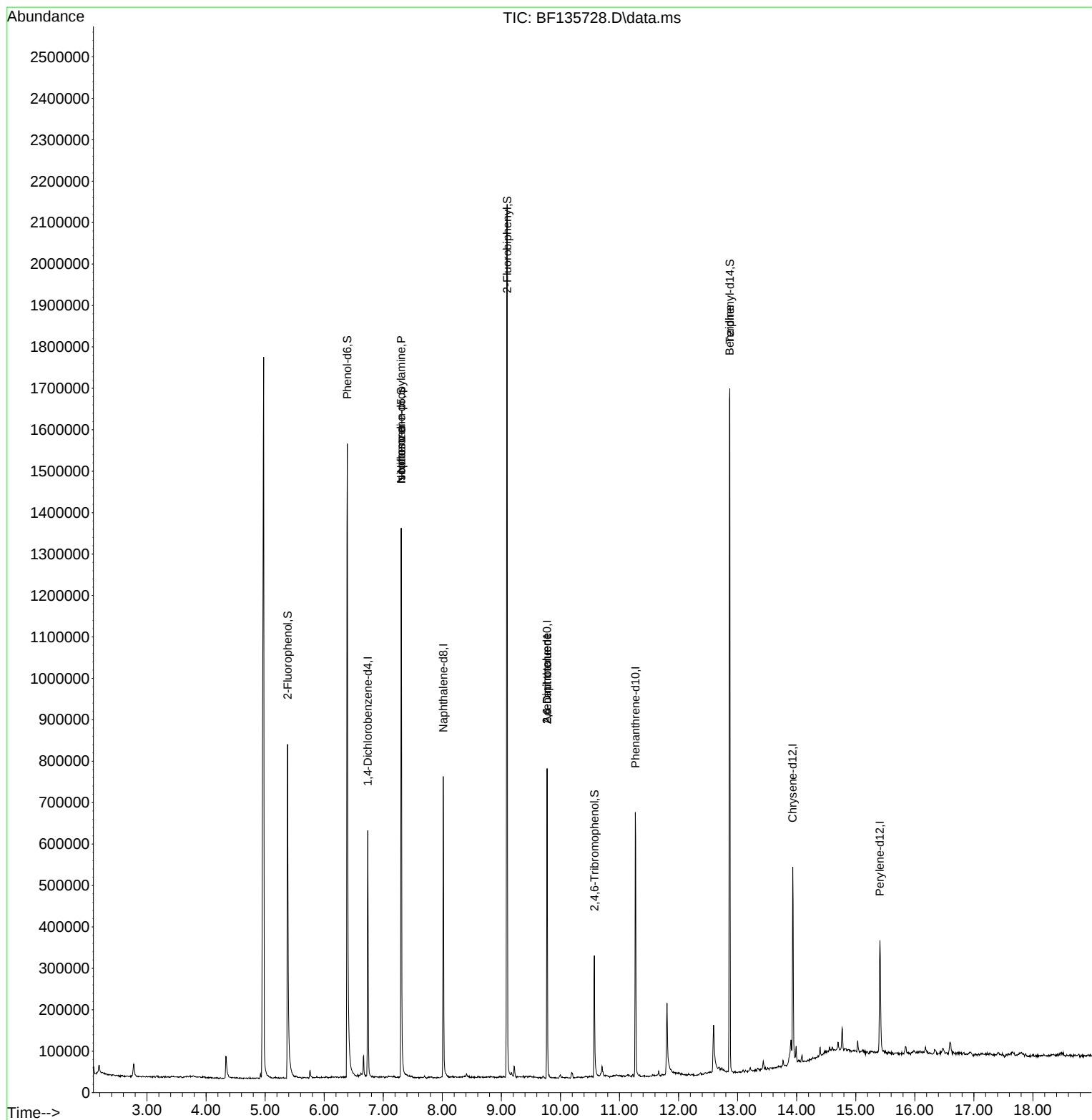
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.739  | 152  | 85478    | 20.000 | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.016  | 136  | 312088   | 20.000 | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.774  | 164  | 141484   | 20.000 | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.269 | 188  | 255357   | 20.000 | ng     | 0.00     |
| 76) Chrysene-d12              | 13.933 | 240  | 165234   | 20.000 | ng     | 0.00     |
| 86) Perylene-d12              | 15.409 | 264  | 143413   | 20.000 | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 5) 2-Fluorophenol             | 5.381  | 112  | 266450   | 50.699 | ng     | 0.01     |
| 7) Phenol-d6                  | 6.392  | 99   | 571202   | 85.475 | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.304  | 82   | 399942   | 69.623 | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.574 | 330  | 36882    | 26.232 | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.098  | 172  | 724089   | 77.214 | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.868 | 244  | 615188   | 57.716 | ng     | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 53250    | 12.865 | ng     | # 81     |
| 25) Isophorone                | 7.304  | 82   | 399942   | 37.916 | ng     | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.774  | 165  | 17736    | 8.464  | ng     | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.774  | 165  | 17736    | 6.761  | ng     | # 19     |
| 77) Benzydine                 | 12.863 | 184  | 8133     | 2.403  | ng     | # 92     |
| -----                         |        |      |          |        |        |          |

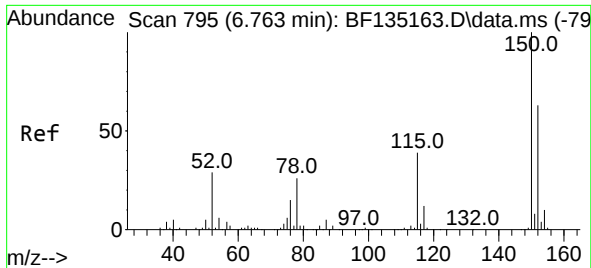
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 11 02:43:17 2023  
Response via : Initial Calibration

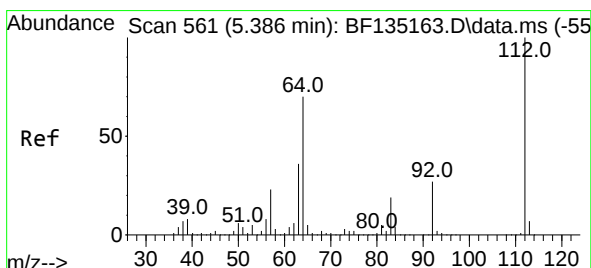
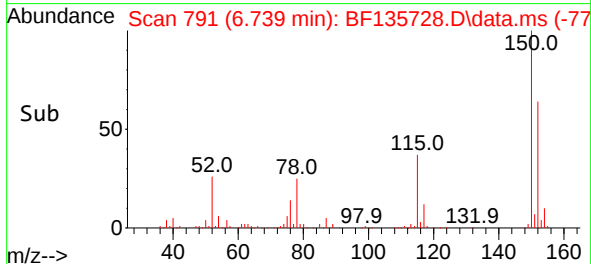
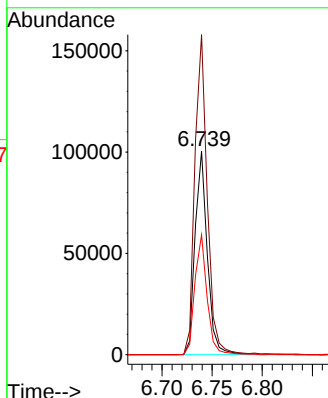
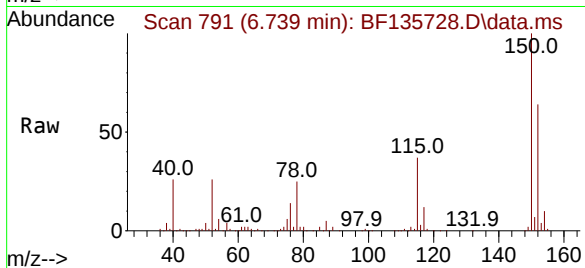




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.739 min Scan# 795  
Delta R.T. 0.000 min  
Lab File: BF135728.D  
Acq: 12 Oct 2023 11:49

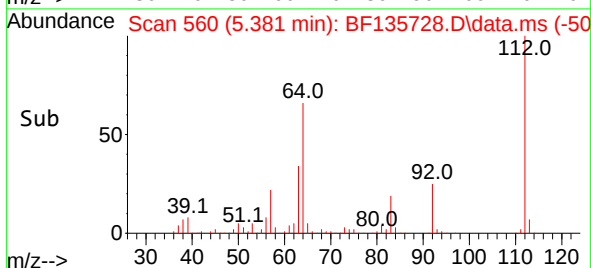
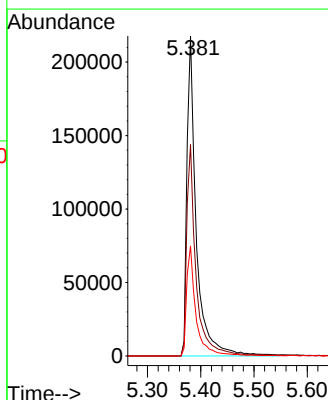
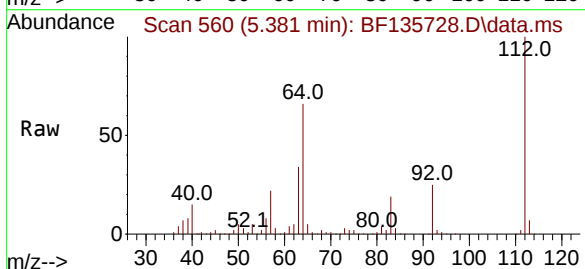
Instrument :  
BNA\_F  
ClientSampleId :  
CON-1

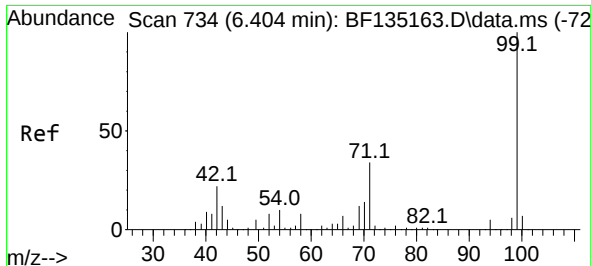
Tgt Ion:152 Resp: 85478  
Ion Ratio Lower Upper  
152 100  
150 157.1 127.8 191.6  
115 58.8 49.8 74.8



#5  
2-Fluorophenol  
Concen: 50.699 ng  
RT: 5.381 min Scan# 560  
Delta R.T. 0.012 min  
Lab File: BF135728.D  
Acq: 12 Oct 2023 11:49

Tgt Ion:112 Resp: 266450  
Ion Ratio Lower Upper  
112 100  
64 66.0 55.9 83.9  
63 34.4 29.0 43.6

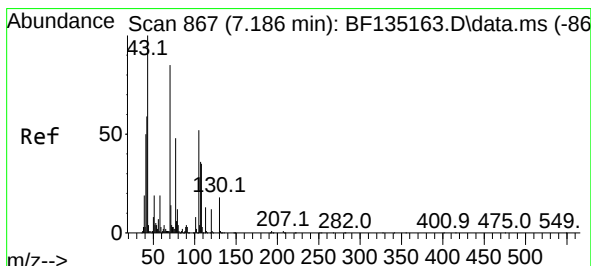
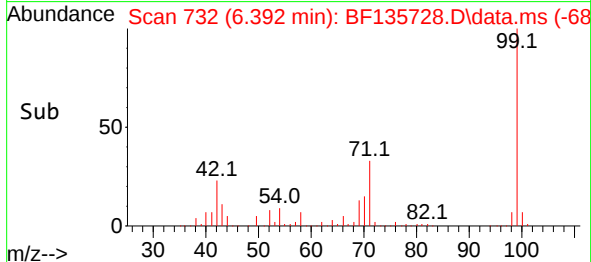
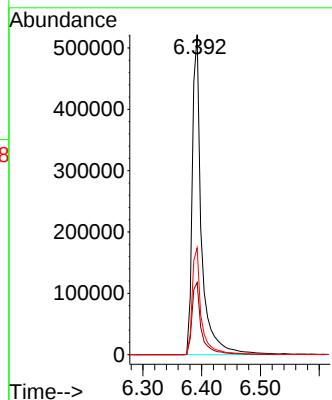
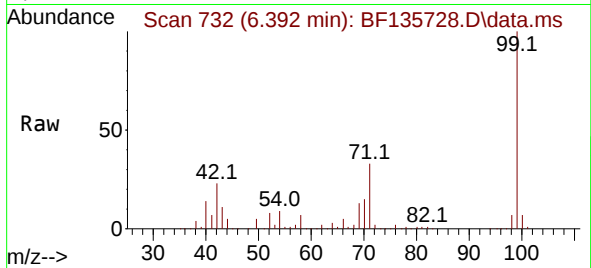




#7  
Phenol-d6  
Concen: 85.475 ng  
RT: 6.392 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF135728.D  
Acq: 12 Oct 2023 11:49

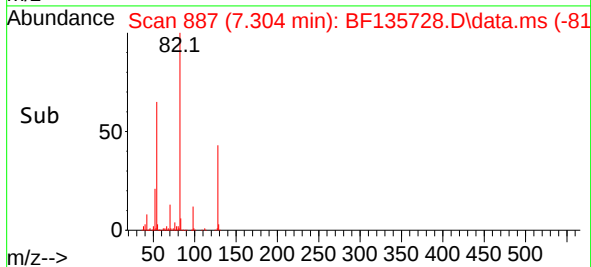
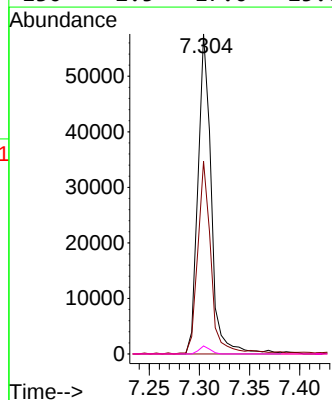
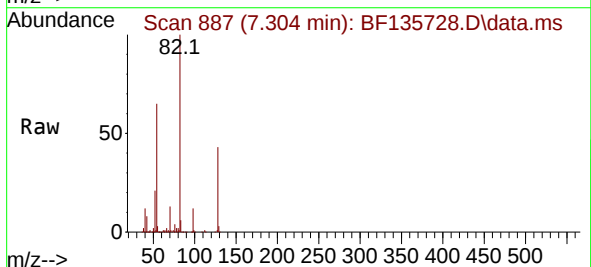
Instrument :  
BNA\_F  
ClientSampleId :  
CON-1

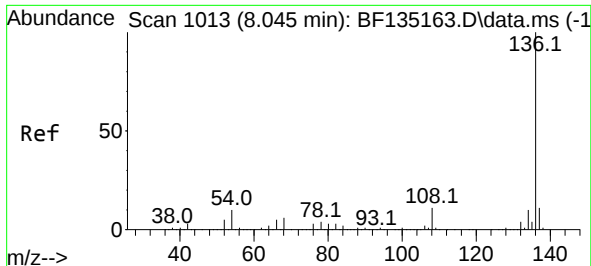
Tgt Ion: 99 Resp: 571202  
Ion Ratio Lower Upper  
99 100  
42 22.6 17.9 26.9  
71 33.4 27.0 40.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.865 ng  
RT: 7.304 min Scan# 887  
Delta R.T. 0.147 min  
Lab File: BF135728.D  
Acq: 12 Oct 2023 11:49

Tgt Ion: 70 Resp: 53250  
Ion Ratio Lower Upper  
70 100  
42 60.2 55.4 83.0  
101 0.0 7.7 11.5#  
130 2.5 17.0 25.6#

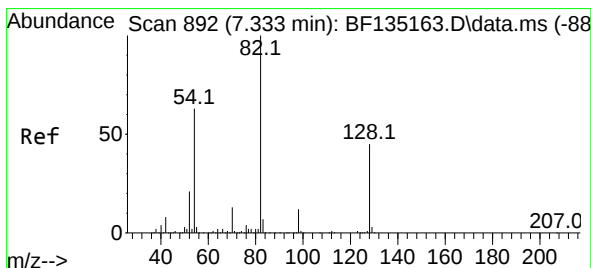
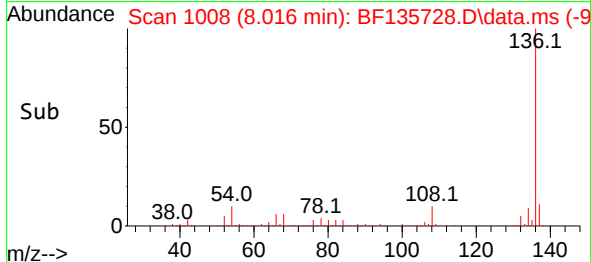
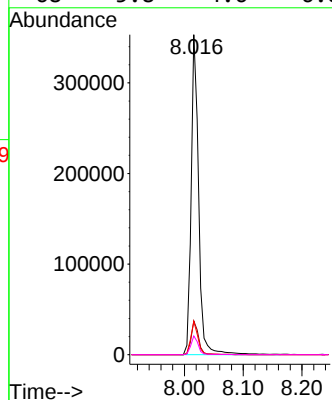
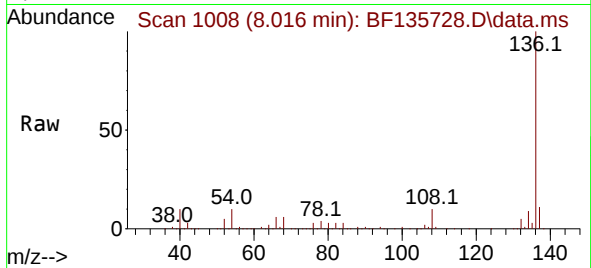




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.016 min Scan# 1013  
Delta R.T. -0.006 min  
Lab File: BF135728.D  
Acq: 12 Oct 2023 11:49

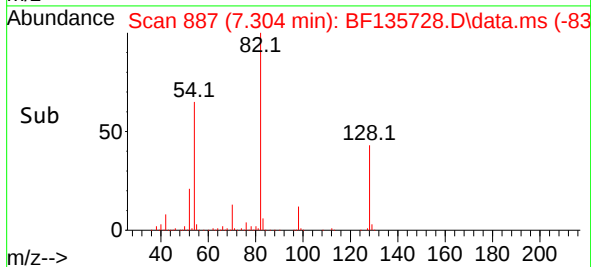
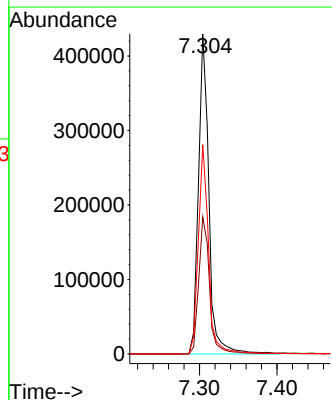
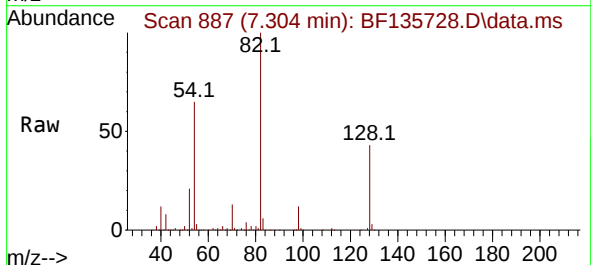
Instrument :  
BNA\_F  
ClientSampleId :  
CON-1

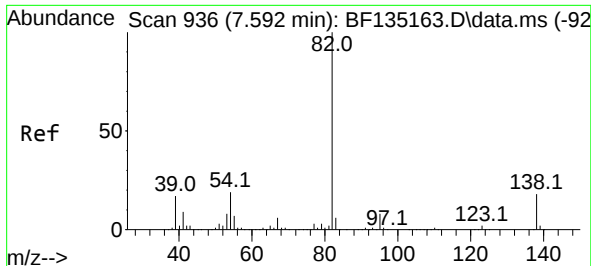
Tgt Ion:136 Resp: 312088  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.8 13.2  
54 10.4 7.7 11.5  
68 5.8 4.6 6.8



#23  
Nitrobenzene-d5  
Concen: 69.623 ng  
RT: 7.304 min Scan# 887  
Delta R.T. -0.006 min  
Lab File: BF135728.D  
Acq: 12 Oct 2023 11:49

Tgt Ion: 82 Resp: 399942  
Ion Ratio Lower Upper  
82 100  
128 42.8 35.8 53.6  
54 65.4 50.6 76.0

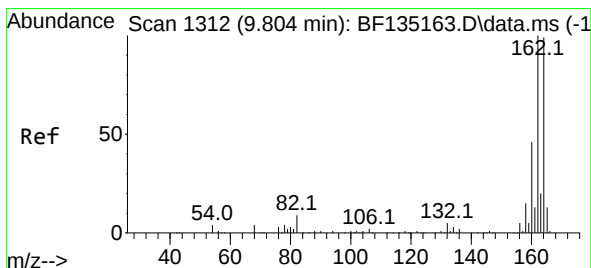
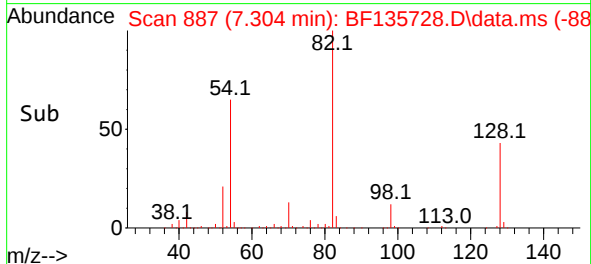
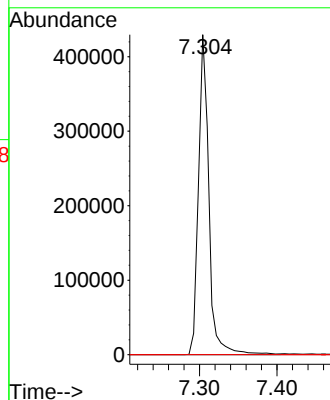
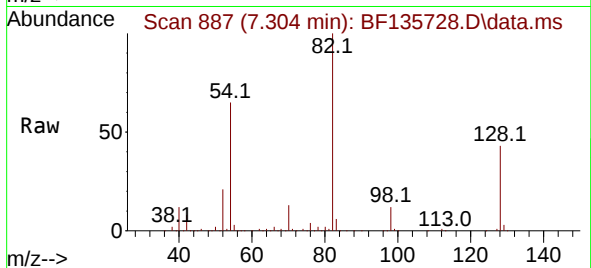




#25  
Isophorone  
Concen: 37.916 ng  
RT: 7.304 min Scan# 81  
Delta R.T. -0.259 min  
Lab File: BF135728.D  
Acq: 12 Oct 2023 11:49

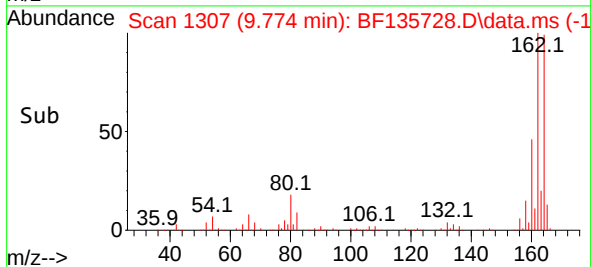
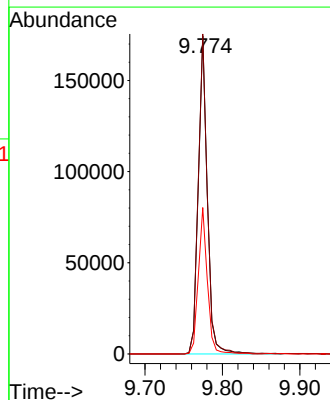
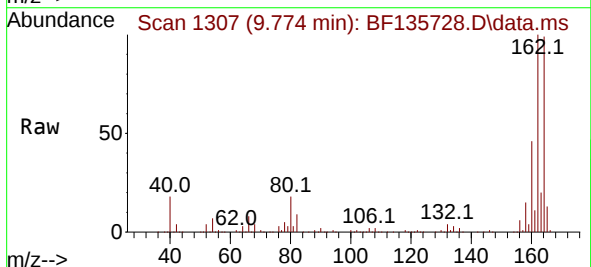
Instrument :  
BNA\_F  
ClientSampleId :  
CON-1

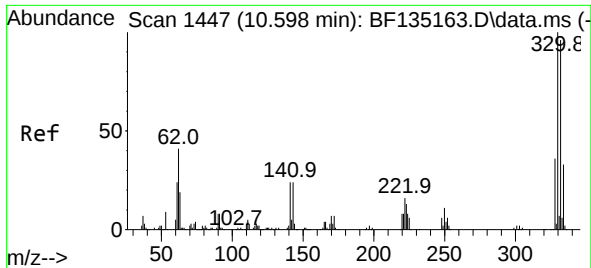
Tgt Ion: 82 Resp: 399942  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.774 min Scan# 1307  
Delta R.T. -0.006 min  
Lab File: BF135728.D  
Acq: 12 Oct 2023 11:49

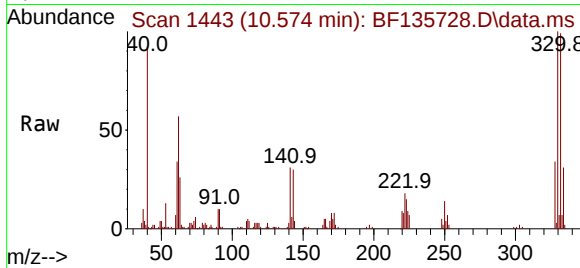
Tgt Ion:164 Resp: 141484  
Ion Ratio Lower Upper  
164 100  
162 100.6 81.0 121.4  
160 46.0 37.0 55.4



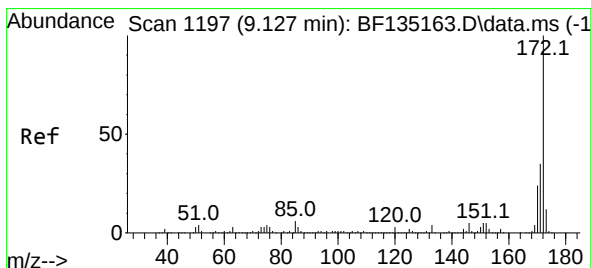
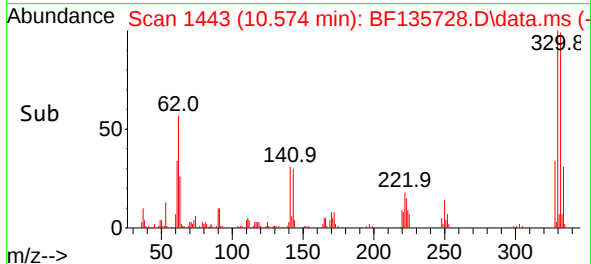
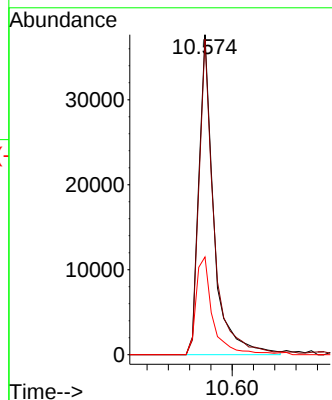


#42  
 2,4,6-Tribromophenol  
 Concen: 26.232 ng  
 RT: 10.574 min Scan# 1443  
 Delta R.T. -0.000 min  
 Lab File: BF135728.D  
 Acq: 12 Oct 2023 11:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CON-1

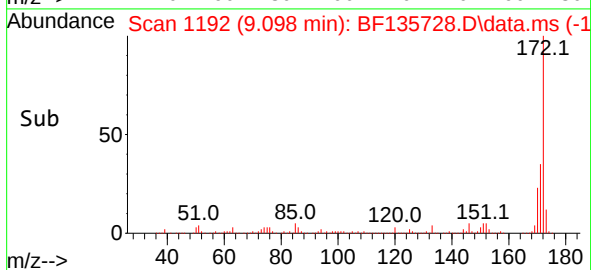
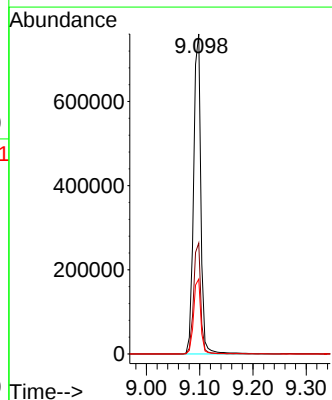
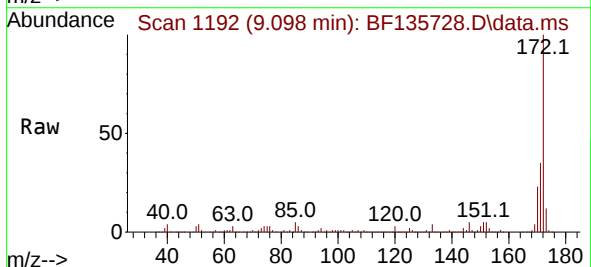


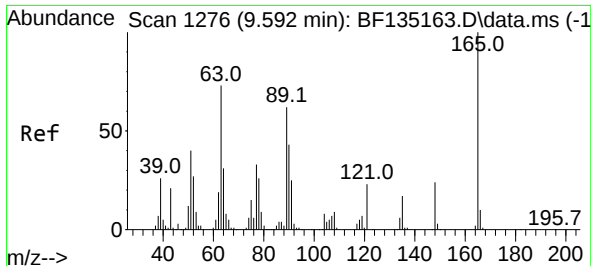
Tgt Ion: 330 Resp: 36882  
 Ion Ratio Lower Upper  
 330 100  
 332 99.0 77.3 115.9  
 141 34.5 25.8 38.8



#45  
 2-Fluorobiphenyl  
 Concen: 77.214 ng  
 RT: 9.098 min Scan# 1192  
 Delta R.T. -0.000 min  
 Lab File: BF135728.D  
 Acq: 12 Oct 2023 11:49

Tgt Ion: 172 Resp: 724089  
 Ion Ratio Lower Upper  
 172 100  
 171 34.7 28.4 42.6  
 170 23.4 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 8.464 ng

RT: 9.774 min Scan# 1

Delta R.T. 0.194 min

Lab File: BF135728.D

Acq: 12 Oct 2023 11:49

Instrument :

BNA\_F

ClientSampleId :

CON-1

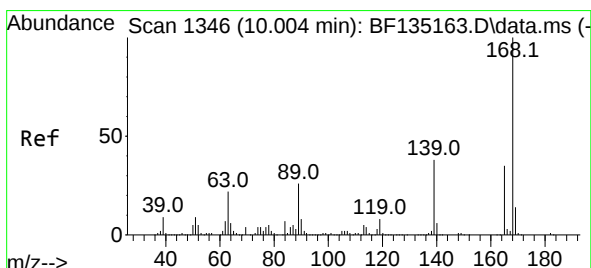
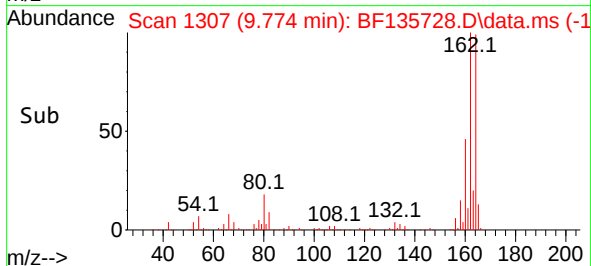
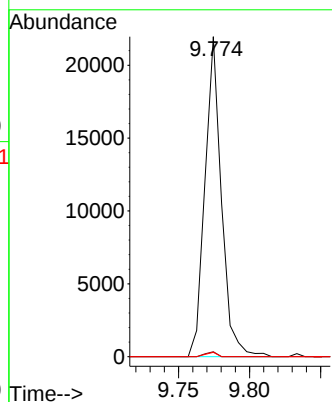
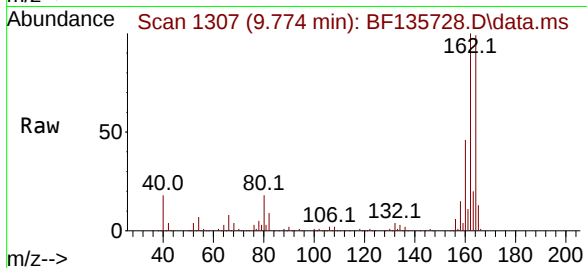
Tgt Ion:165 Resp: 17736

Ion Ratio Lower Upper

165 100

63 1.6 59.4 89.2#

89 1.3 49.8 74.8#



#57

2,4-Dinitrotoluene

Concen: 6.761 ng

RT: 9.774 min Scan# 1307

Delta R.T. -0.218 min

Lab File: BF135728.D

Acq: 12 Oct 2023 11:49

Tgt Ion:165 Resp: 17736

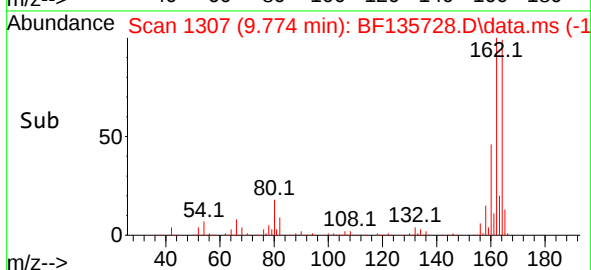
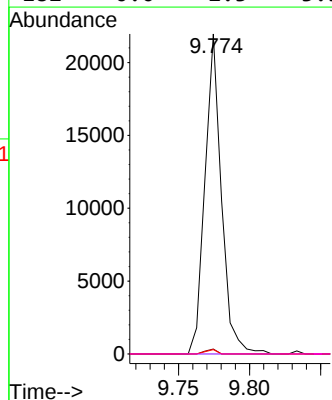
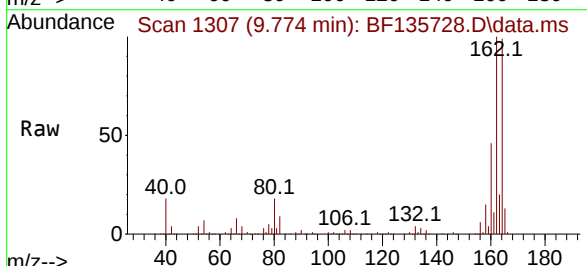
Ion Ratio Lower Upper

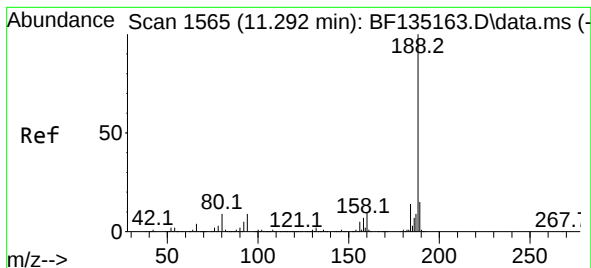
165 100

63 1.6 50.1 75.1#

89 1.3 59.3 88.9#

182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135728.D

Acq: 12 Oct 2023 11:49

Instrument :

BNA\_F

ClientSampleId :

CON-1

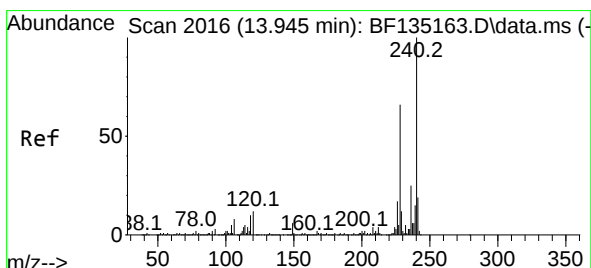
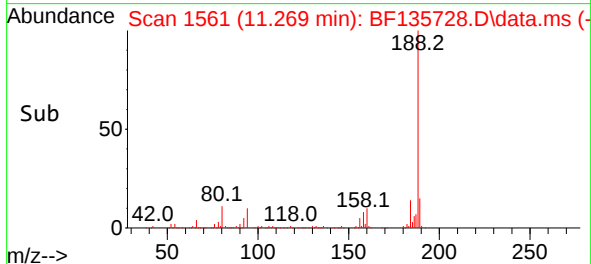
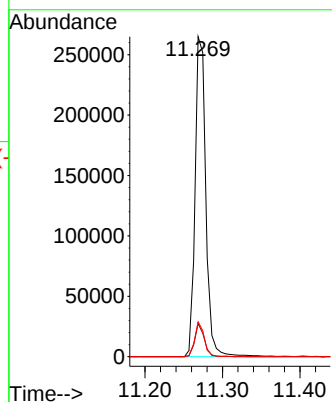
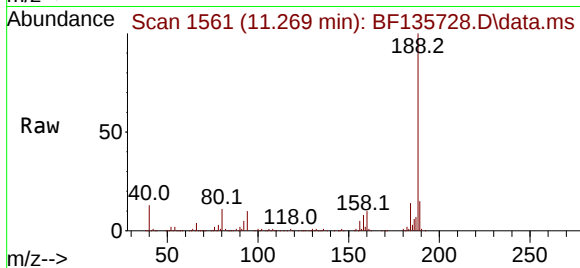
Tgt Ion:188 Resp: 255357

Ion Ratio Lower Upper

188 100

94 10.3 7.0 10.6

80 10.9 7.5 11.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF135728.D

Acq: 12 Oct 2023 11:49

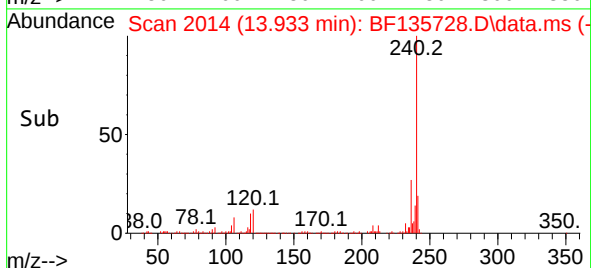
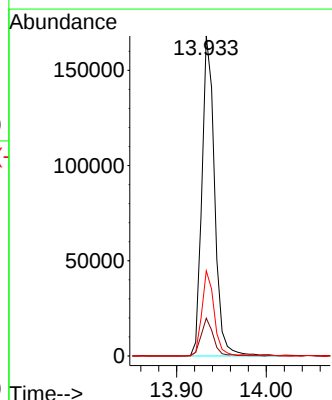
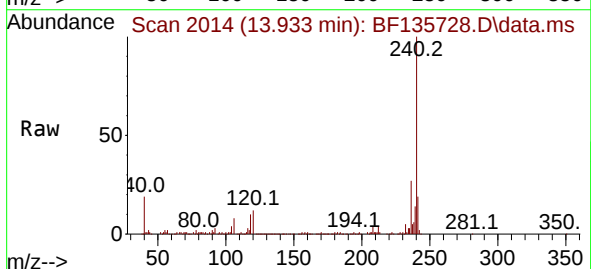
Tgt Ion:240 Resp: 165234

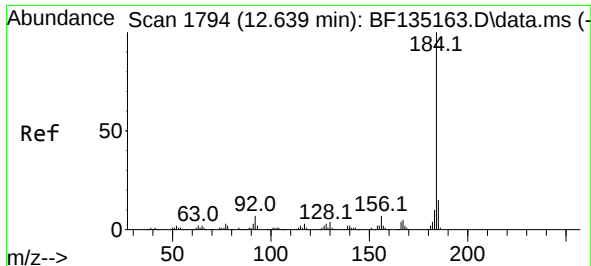
Ion Ratio Lower Upper

240 100

120 11.8 9.4 14.2

236 26.6 19.8 29.8

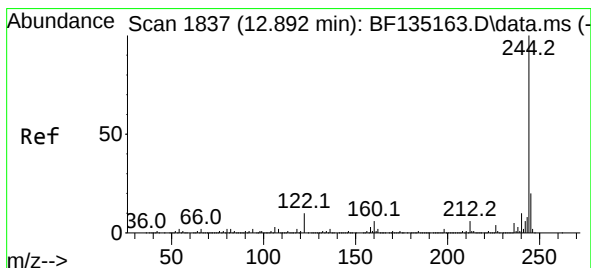
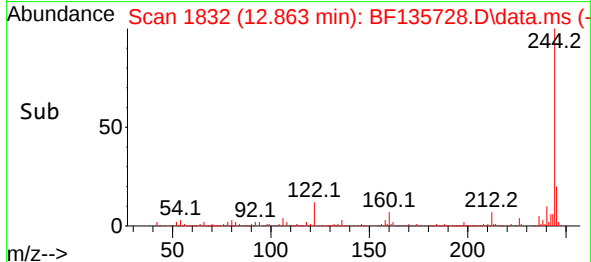
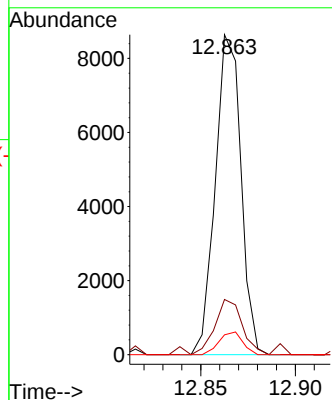
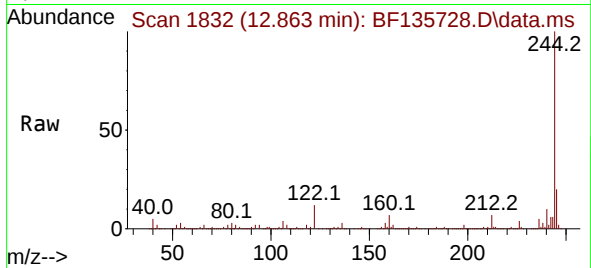




#77  
Benzidine  
Concen: 2.403 ng  
RT: 12.863 min Scan# 1832  
Delta R.T. 0.235 min  
Lab File: BF135728.D  
Acq: 12 Oct 2023 11:49

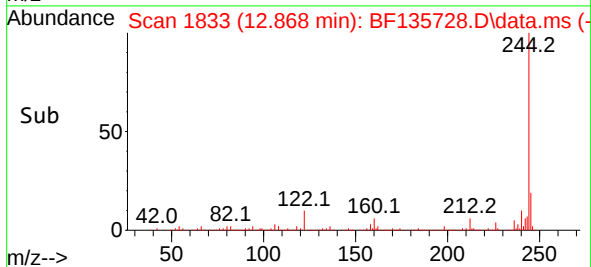
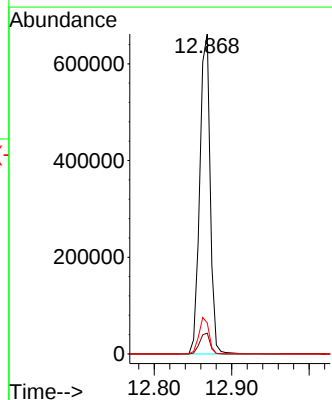
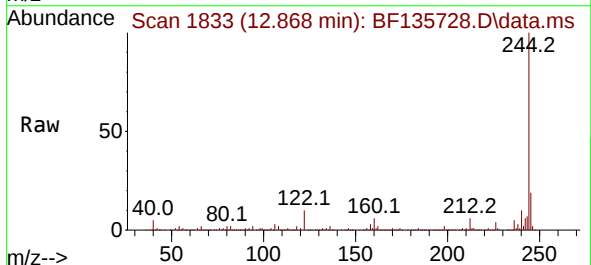
Instrument :  
BNA\_F  
ClientSampleId :  
CON-1

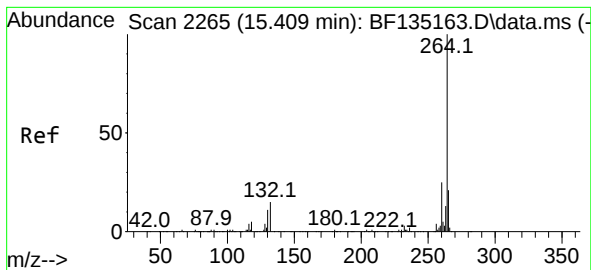
Tgt Ion:184 Resp: 8133  
Ion Ratio Lower Upper  
184 100  
185 17.2 11.7 17.5  
183 6.2 8.2 12.4#



#79  
Terphenyl-d14  
Concen: 57.716 ng  
RT: 12.868 min Scan# 1833  
Delta R.T. -0.000 min  
Lab File: BF135728.D  
Acq: 12 Oct 2023 11:49

Tgt Ion:244 Resp: 615188  
Ion Ratio Lower Upper  
244 100  
212 6.5 5.1 7.7  
122 9.7 7.9 11.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.409 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135728.D

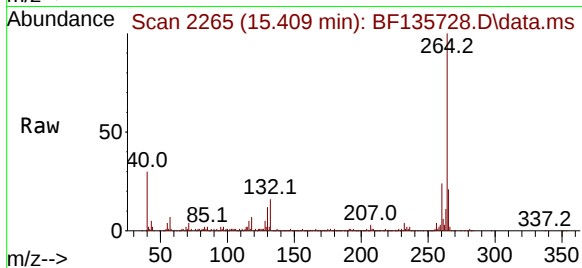
Acq: 12 Oct 2023 11:49

Instrument :

BNA\_F

ClientSampleId :

CON-1



Tgt Ion:264 Resp: 143413

Ion Ratio Lower Upper

264 100

260 24.0 19.8 29.6

265 20.9 17.0 25.4

