

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101323\  
 Data File : BF135756.D  
 Acq On : 13 Oct 2023 16:59  
 Operator : CG\JU  
 Sample : PB156084BL  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB156084BL

Quant Time: Oct 13 20:11:18 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 13 17:12:59 2023  
 Response via : Initial Calibration

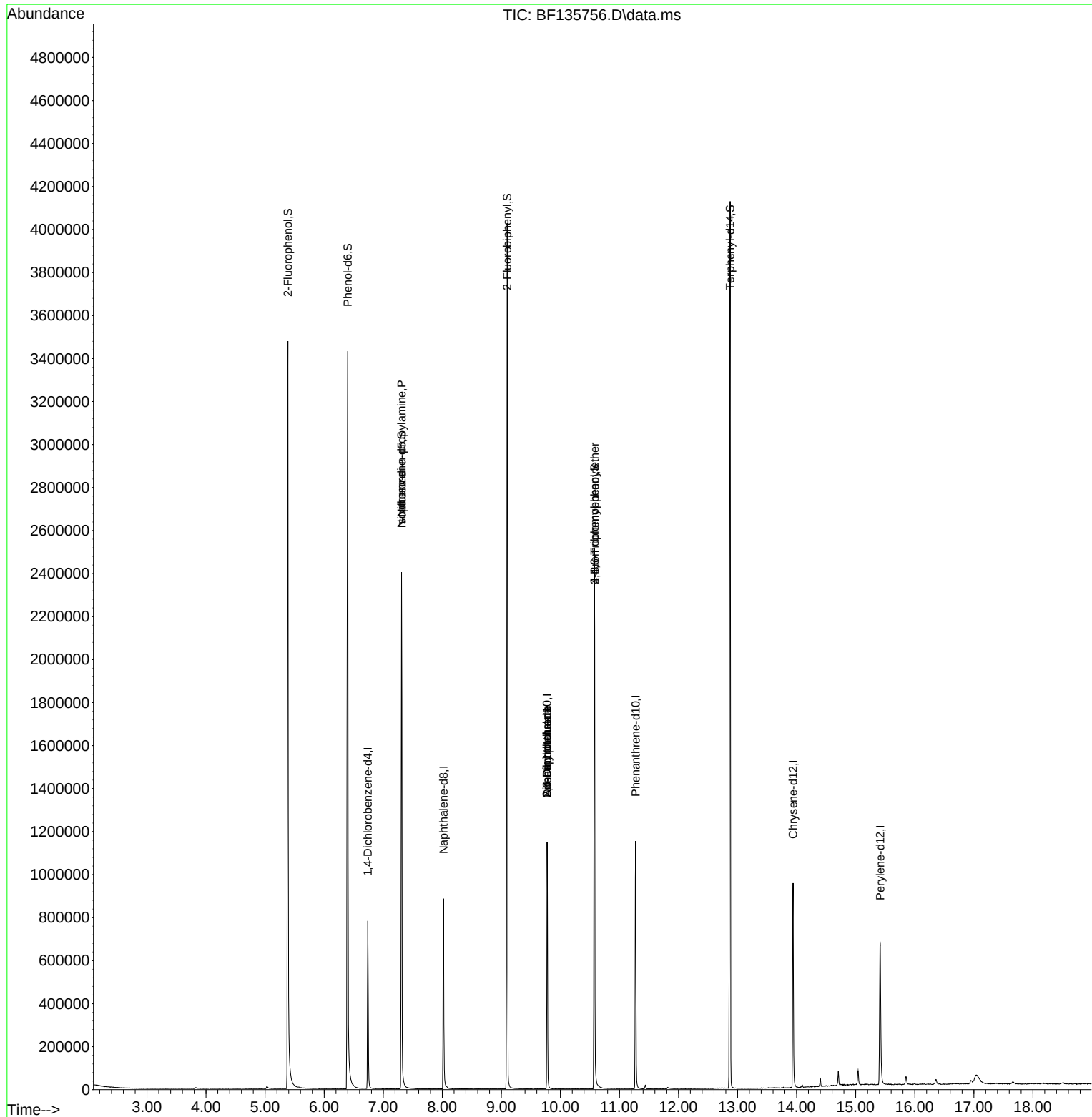
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.740  | 152  | 114735   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.022  | 136  | 431748   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.775  | 164  | 226631   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.275 | 188  | 461179   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.939 | 240  | 352807   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.416 | 264  | 344563   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.387  | 112  | 1020872  | 143.052 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.398  | 99   | 1232717  | 138.442 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.310  | 82   | 762886   | 97.182  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.581 | 330  | 334469   | 153.800 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.098  | 172  | 1374345  | 94.815  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.874 | 244  | 1646760  | 86.440  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.310  | 70   | 102730   | 18.659  | ng    | # 77     |
| 25) Isophorone                | 7.310  | 82   | 762881   | 51.512  | ng    | # 66     |
| 50) Dimethylphthalate         | 9.775  | 163  | 39989    | 2.614   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.775  | 165  | 28355    | 8.619   | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 9.775  | 165  | 28355    | 6.774   | ng    | # 24     |
| 67) 4-Bromophenyl-phenylether | 10.581 | 248  | 20228    | 4.369   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

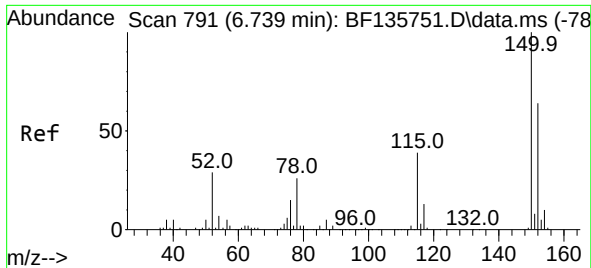
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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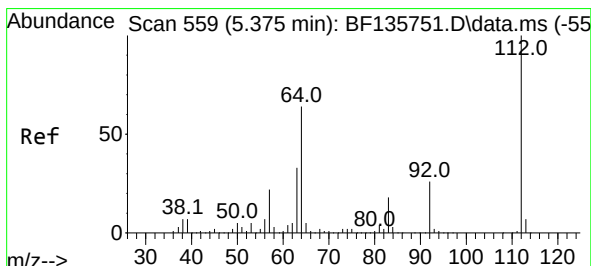
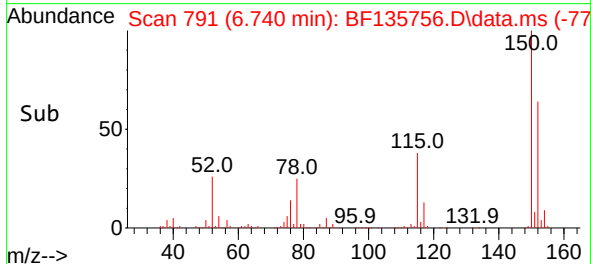
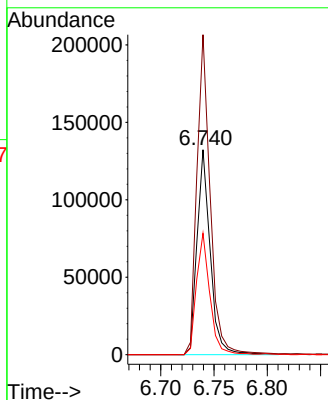
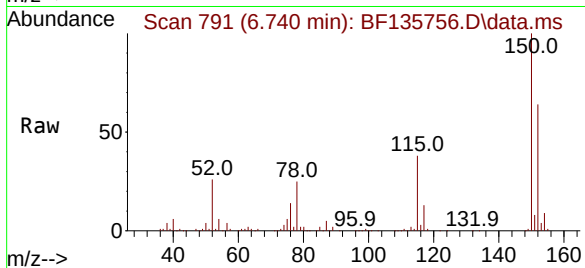


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.740 min Scan# 791  
 Delta R.T. 0.001 min  
 Lab File: BF135756.D  
 Acq: 13 Oct 2023 16:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB156084BL

Tgt Ion:152 Resp: 114735  

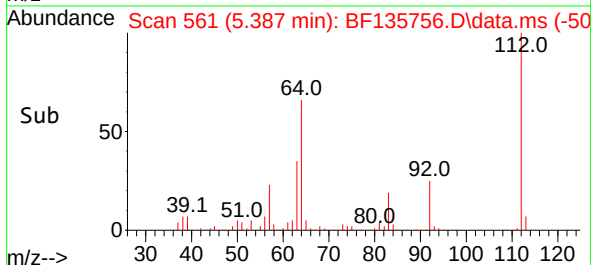
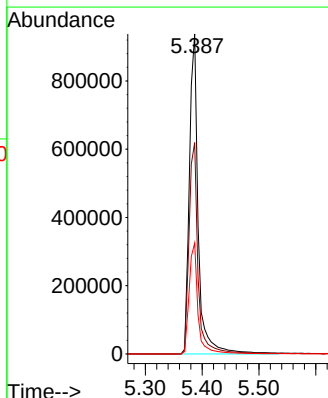
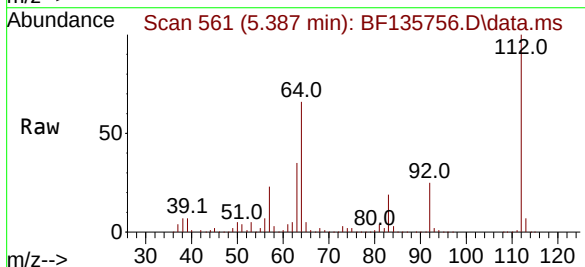
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 156.1 | 124.5 | 186.7 |
| 115 | 59.2  | 49.0  | 73.4  |

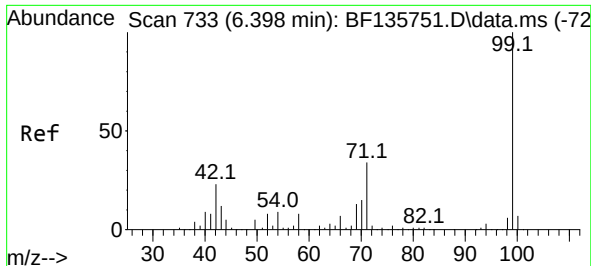


#5  
 2-Fluorophenol  
 Concen: 143.052 ng  
 RT: 5.387 min Scan# 561  
 Delta R.T. 0.012 min  
 Lab File: BF135756.D  
 Acq: 13 Oct 2023 16:59

Tgt Ion:112 Resp: 1020872  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 64  | 66.1  | 51.2  | 76.8  |
| 63  | 34.6  | 26.1  | 39.1  |

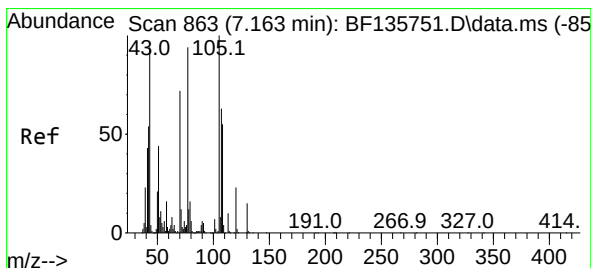
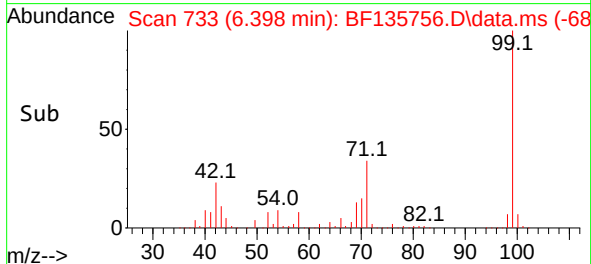
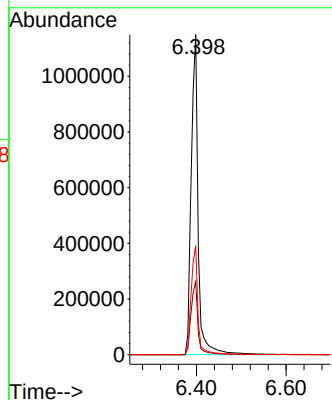
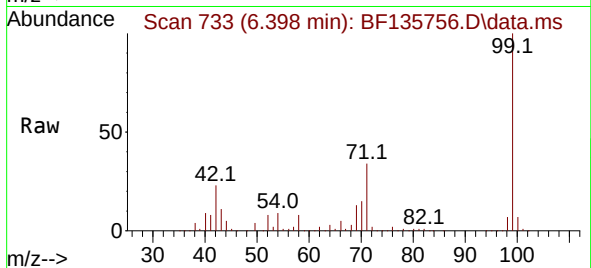




#7  
Phenol-d6  
Concen: 138.442 ng  
RT: 6.398 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF135756.D  
Acq: 13 Oct 2023 16:59

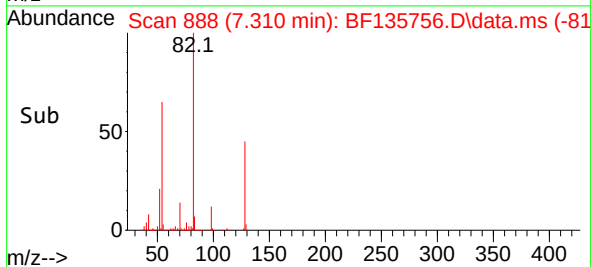
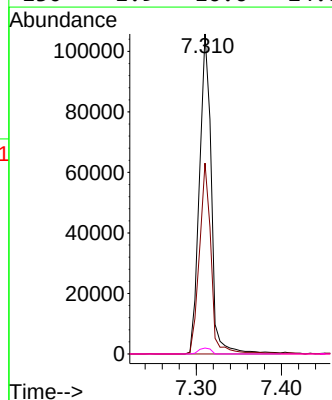
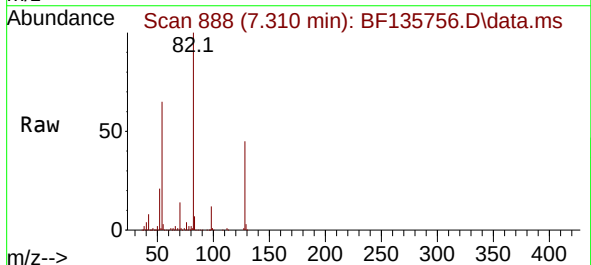
Instrument :  
BNA\_F  
ClientSampleId :  
PB156084BL

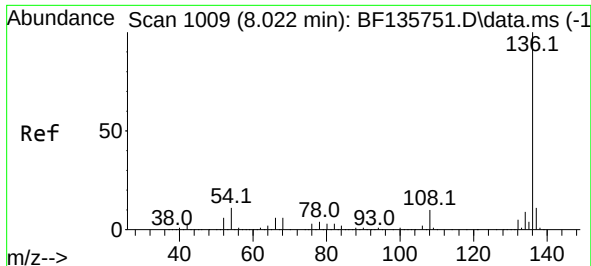
Tgt Ion: 99 Resp: 1232717  
Ion Ratio Lower Upper  
99 100  
42 22.8 18.4 27.6  
71 34.1 27.2 40.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.659 ng  
RT: 7.310 min Scan# 888  
Delta R.T. 0.147 min  
Lab File: BF135756.D  
Acq: 13 Oct 2023 16:59

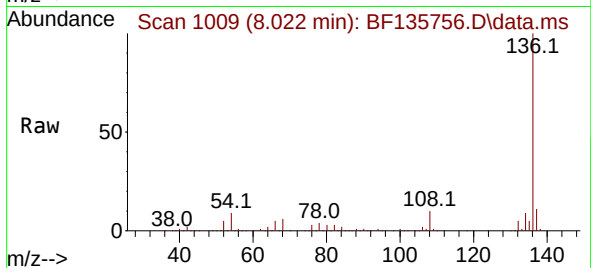
Tgt Ion: 70 Resp: 102730  
Ion Ratio Lower Upper  
70 100  
42 59.7 59.8 89.6#  
101 0.0 7.4 11.2#  
130 1.9 16.6 24.8#



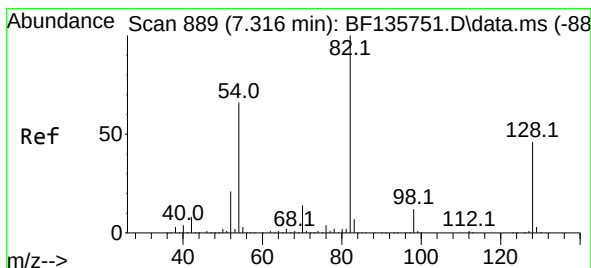
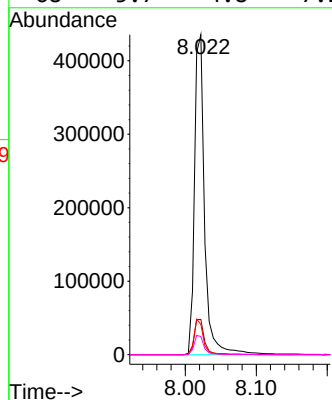
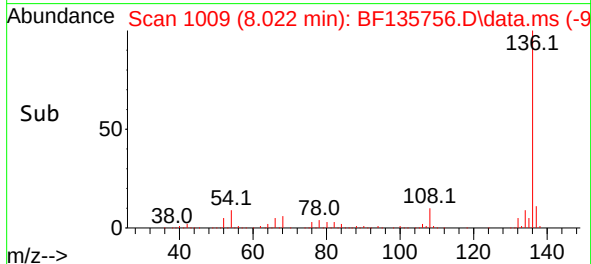


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.022 min Scan# 1009  
Delta R.T. 0.000 min  
Lab File: BF135756.D  
Acq: 13 Oct 2023 16:59

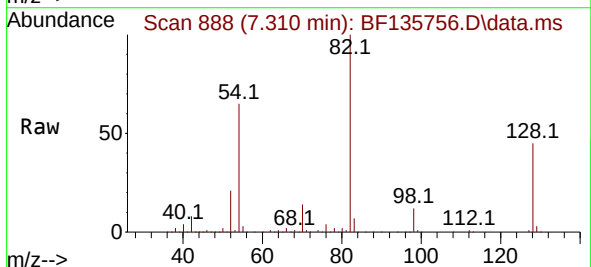
Instrument :  
BNA\_F  
ClientSampleId :  
PB156084BL



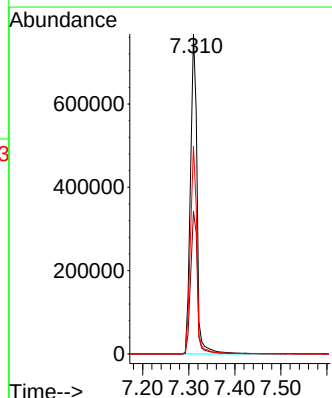
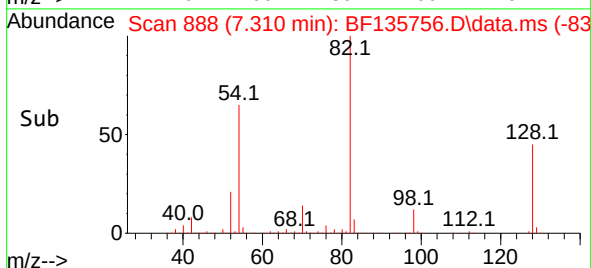
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 431748 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.6   | 12.8   |
| 54       | 9.5   | 8.5   | 12.7   |
| 68       | 5.7   | 4.8   | 7.2    |

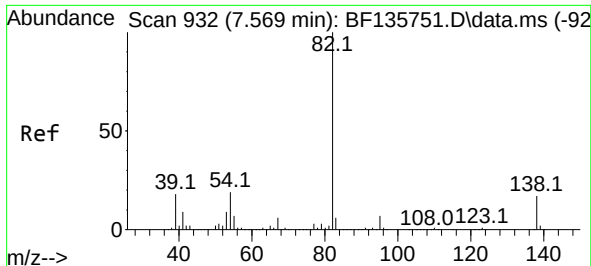


#23  
Nitrobenzene-d5  
Concen: 97.182 ng  
RT: 7.310 min Scan# 888  
Delta R.T. -0.006 min  
Lab File: BF135756.D  
Acq: 13 Oct 2023 16:59



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 762886 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 44.5  | 37.0  | 55.6   |
| 54       | 65.0  | 52.8  | 79.2   |

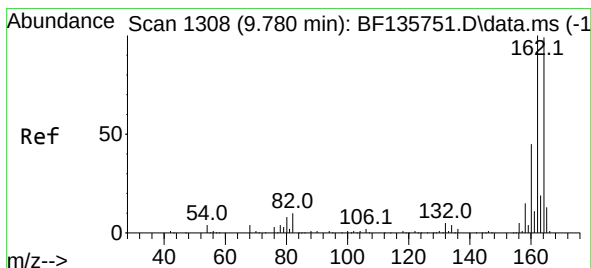
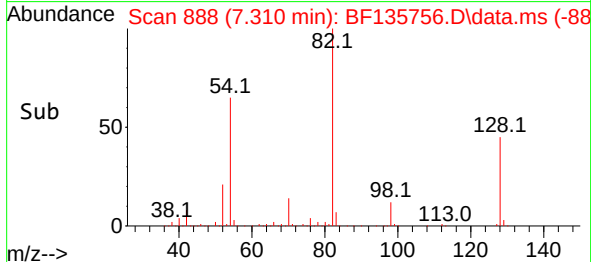
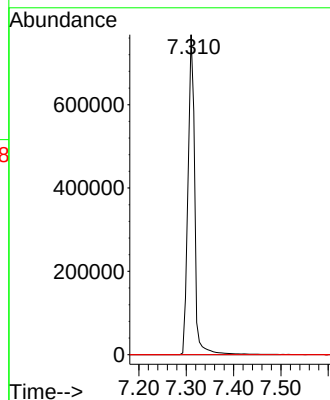
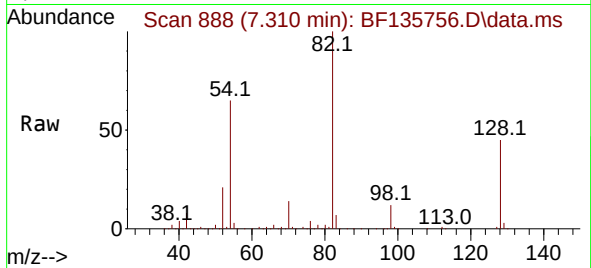




#25  
Isophorone  
Concen: 51.512 ng  
RT: 7.310 min Scan# 81  
Delta R.T. -0.259 min  
Lab File: BF135756.D  
Acq: 13 Oct 2023 16:59

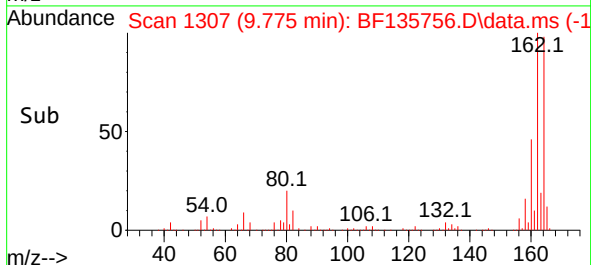
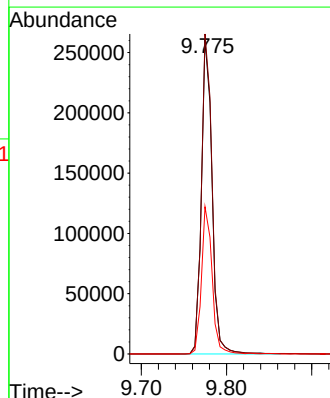
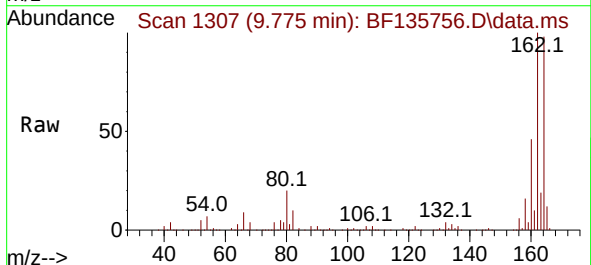
Instrument :  
BNA\_F  
ClientSampleId :  
PB156084BL

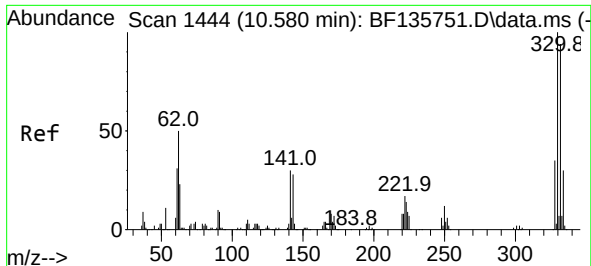
Tgt Ion: 82 Resp: 762881  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 13.9 20.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.775 min Scan# 1307  
Delta R.T. -0.006 min  
Lab File: BF135756.D  
Acq: 13 Oct 2023 16:59

Tgt Ion: 164 Resp: 226631  
Ion Ratio Lower Upper  
164 100  
162 101.8 80.8 121.2  
160 46.8 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 153.800 ng

RT: 10.581 min Scan# 1444

Delta R.T. 0.000 min

Lab File: BF135756.D

Acq: 13 Oct 2023 16:59

Instrument :

BNA\_F

ClientSampleId :

PB156084BL

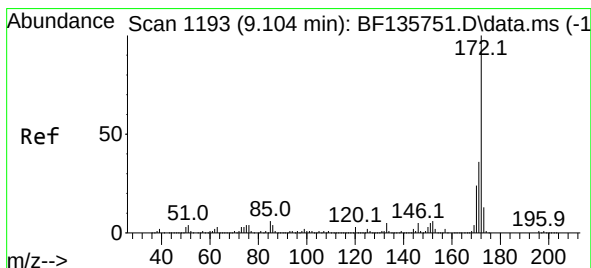
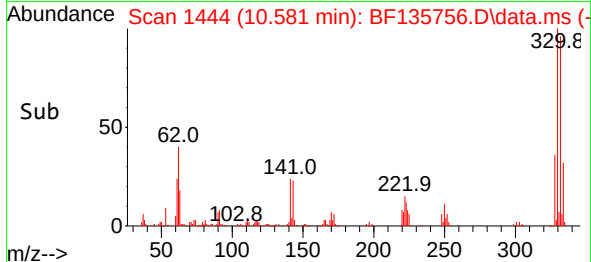
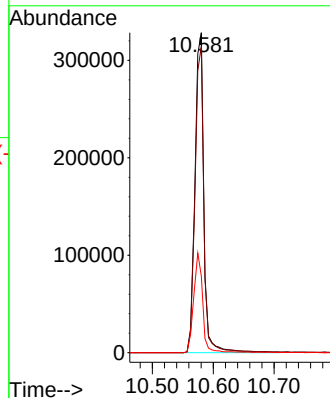
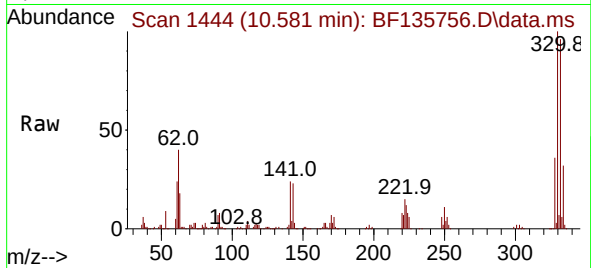
Tgt Ion:330 Resp: 334469

Ion Ratio Lower Upper

330 100

332 95.4 75.0 112.4

141 31.5 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 94.815 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135756.D

Acq: 13 Oct 2023 16:59

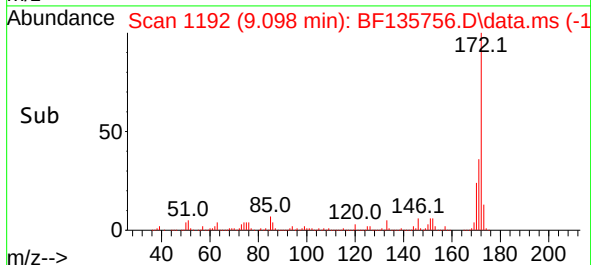
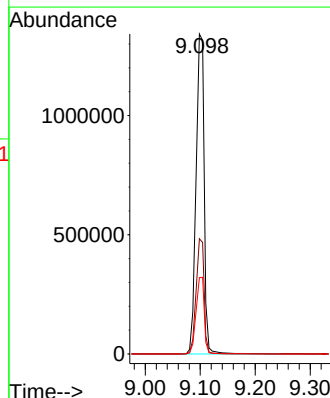
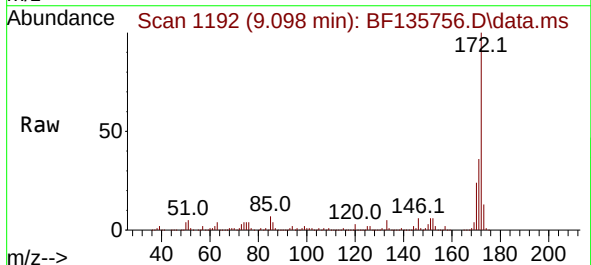
Tgt Ion:172 Resp: 1374345

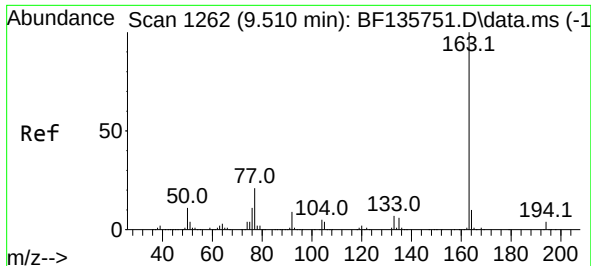
Ion Ratio Lower Upper

172 100

171 36.0 28.4 42.6

170 23.9 18.8 28.2

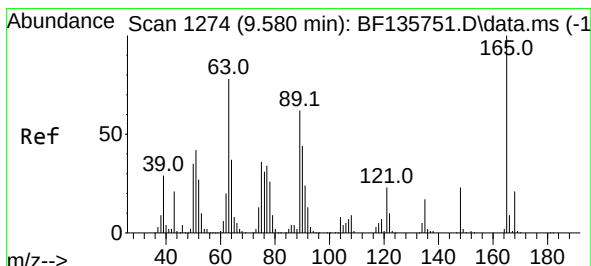
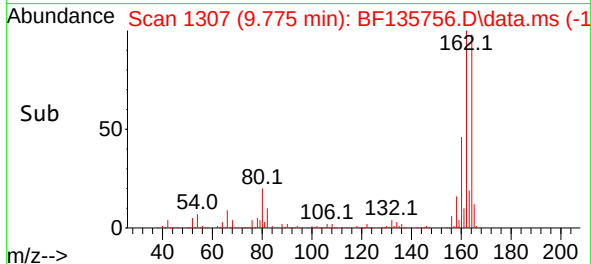
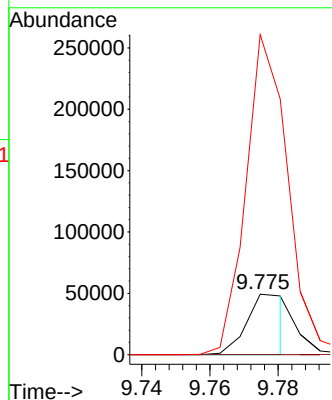
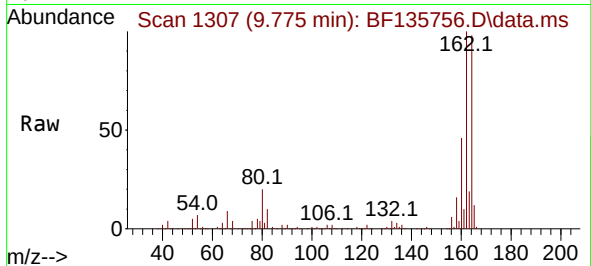




#50  
Dimethylphthalate  
Concen: 2.614 ng  
RT: 9.775 min Scan# 11  
Delta R.T. 0.265 min  
Lab File: BF135756.D  
Acq: 13 Oct 2023 16:59

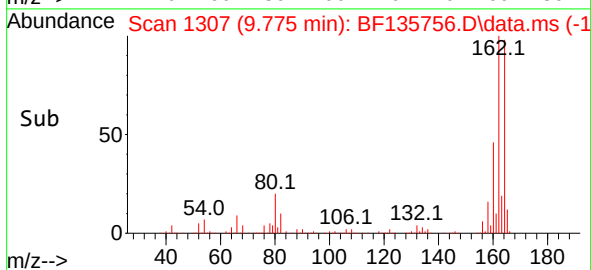
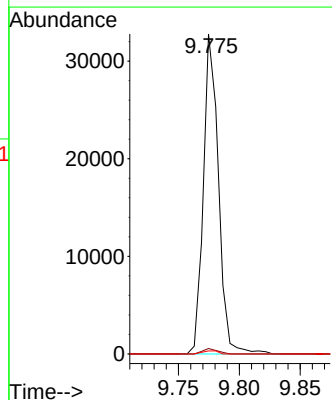
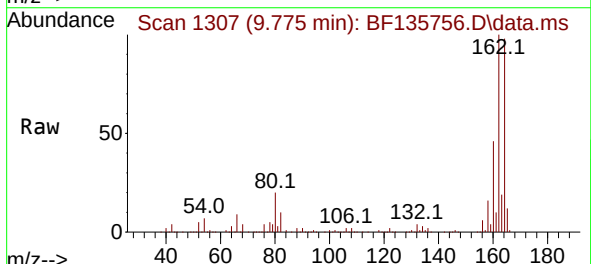
Instrument :  
BNA\_F  
ClientSampleId :  
PB156084BL

Tgt Ion:163 Resp: 39989  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.2 4.8#  
164 528.4 7.9 11.9#

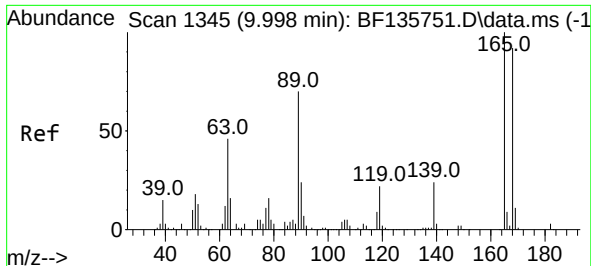


#51  
2,6-Dinitrotoluene  
Concen: 8.619 ng  
RT: 9.775 min Scan# 1307  
Delta R.T. 0.194 min  
Lab File: BF135756.D  
Acq: 13 Oct 2023 16:59

Tgt Ion:165 Resp: 28355  
Ion Ratio Lower Upper  
165 100  
63 1.7 62.2 93.4#  
89 1.0 49.6 74.4#







#57

2,4-Dinitrotoluene

Concen: 6.774 ng

RT: 9.775 min Scan# 1

Delta R.T. -0.223 min

Lab File: BF135756.D

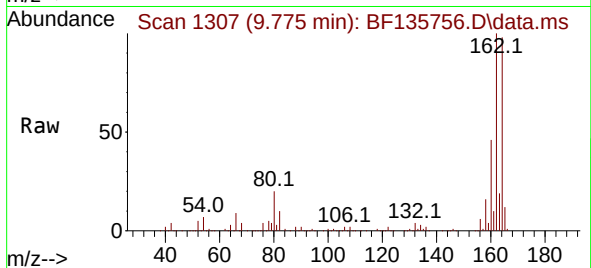
Acq: 13 Oct 2023 16:59

Instrument :

BNA\_F

ClientSampleId :

PB156084BL



Tgt Ion:165 Resp: 28355

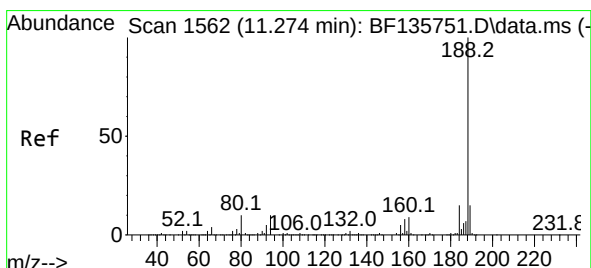
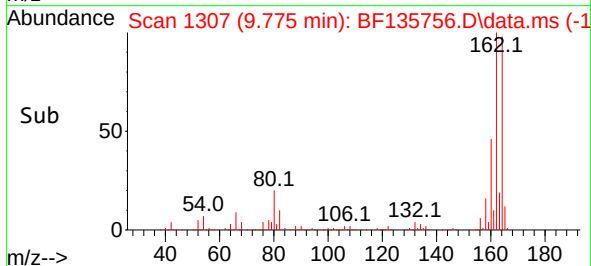
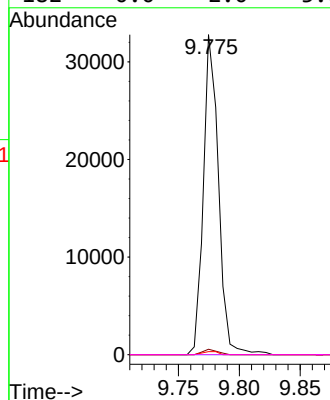
Ion Ratio Lower Upper

165 100

63 1.7 39.0 58.4#

89 1.0 55.9 83.9#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.275 min Scan# 1562

Delta R.T. 0.000 min

Lab File: BF135756.D

Acq: 13 Oct 2023 16:59

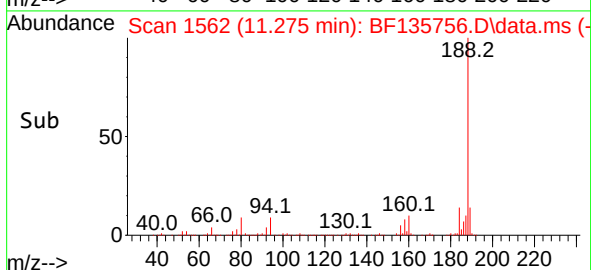
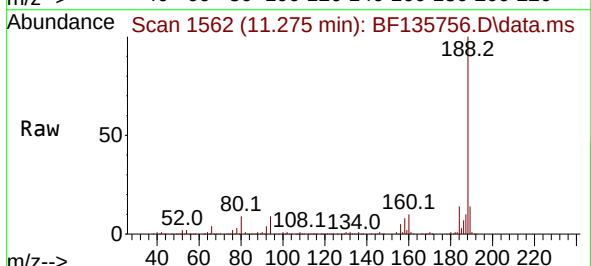
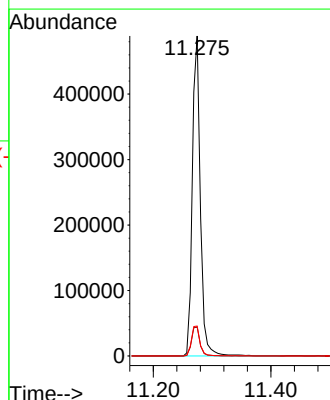
Tgt Ion:188 Resp: 461179

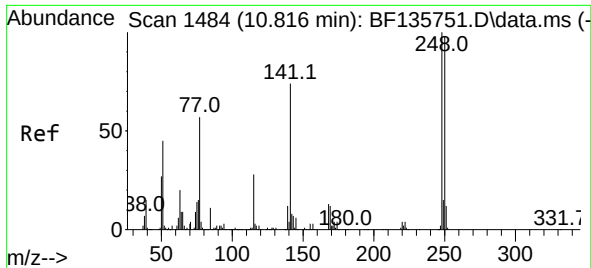
Ion Ratio Lower Upper

188 100

94 9.1 8.0 12.0

80 9.4 8.3 12.5

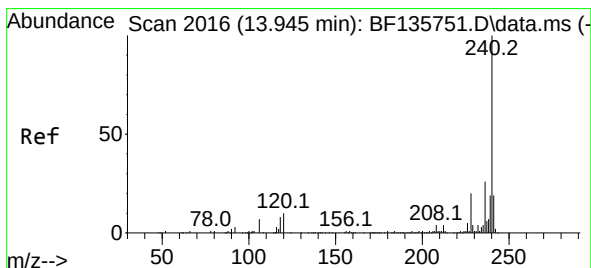
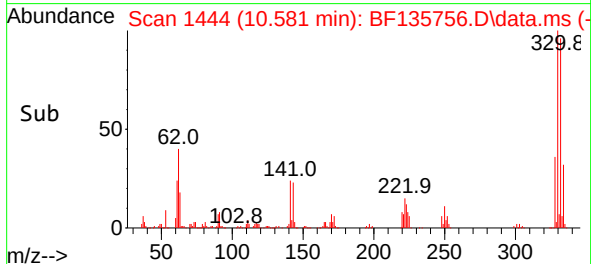
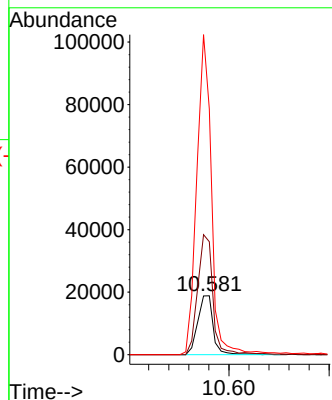
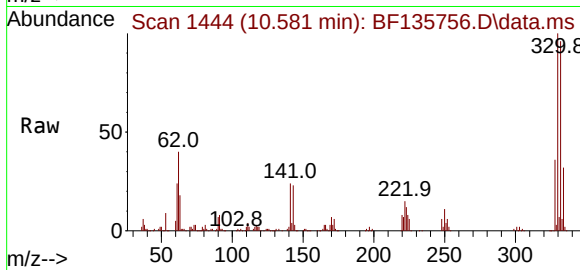




#67  
4-Bromophenyl-phenylether  
Concen: 4.369 ng  
RT: 10.581 min Scan# 1484  
Delta R.T. -0.235 min  
Lab File: BF135756.D  
Acq: 13 Oct 2023 16:59

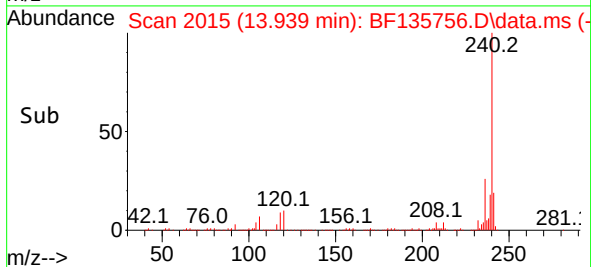
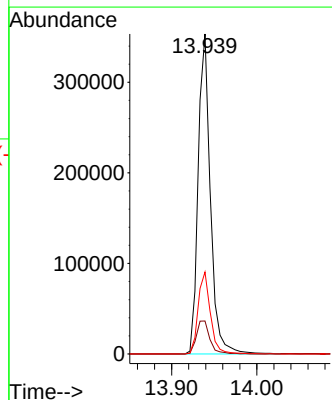
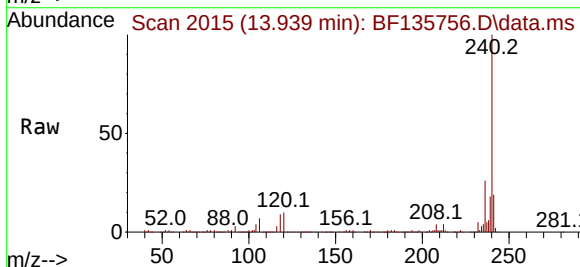
Instrument :  
BNA\_F  
ClientSampleId :  
PB156084BL

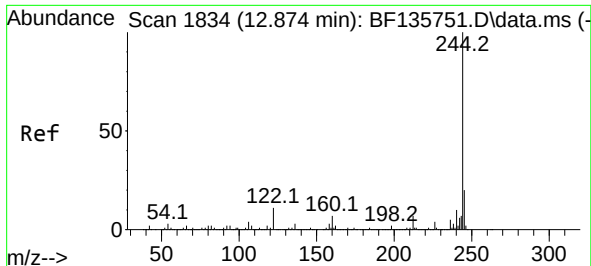
Tgt Ion:248 Resp: 20228  
Ion Ratio Lower Upper  
248 100  
250 191.6 78.0 117.0#  
141 416.6 59.0 88.6#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.939 min Scan# 2015  
Delta R.T. -0.006 min  
Lab File: BF135756.D  
Acq: 13 Oct 2023 16:59

Tgt Ion:240 Resp: 352807  
Ion Ratio Lower Upper  
240 100  
120 10.3 8.2 12.2  
236 25.6 21.2 31.8

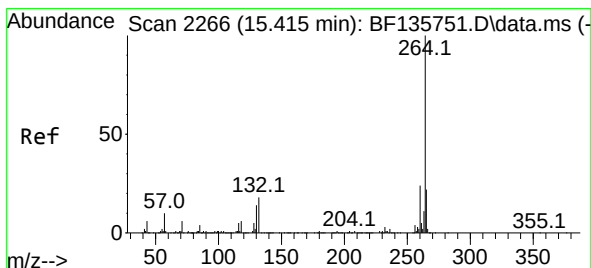
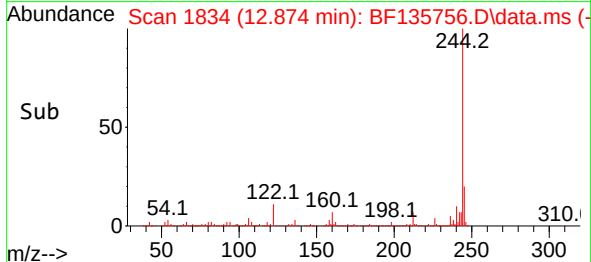
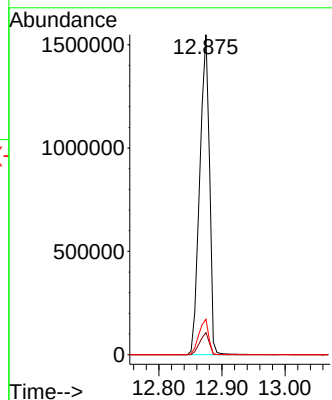
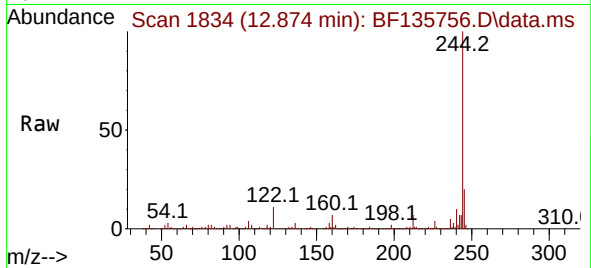




#79  
 Terphenyl-d14  
 Concen: 86.440 ng  
 RT: 12.874 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF135756.D  
 Acq: 13 Oct 2023 16:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB156084BL

Tgt Ion:244 Resp: 1646760  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.6 8.4  
 122 11.1 9.0 13.6



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.416 min Scan# 2266  
 Delta R.T. 0.000 min  
 Lab File: BF135756.D  
 Acq: 13 Oct 2023 16:59

Tgt Ion:264 Resp: 344563  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 19.2 28.8  
 265 22.3 17.4 26.2

