

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101623\  
 Data File : BF135783.D  
 Acq On : 16 Oct 2023 18:45  
 Operator : CG\JU  
 Sample : 04656-21  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 17 01:57:04 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 17 01:22:00 2023  
 Response via : Initial Calibration

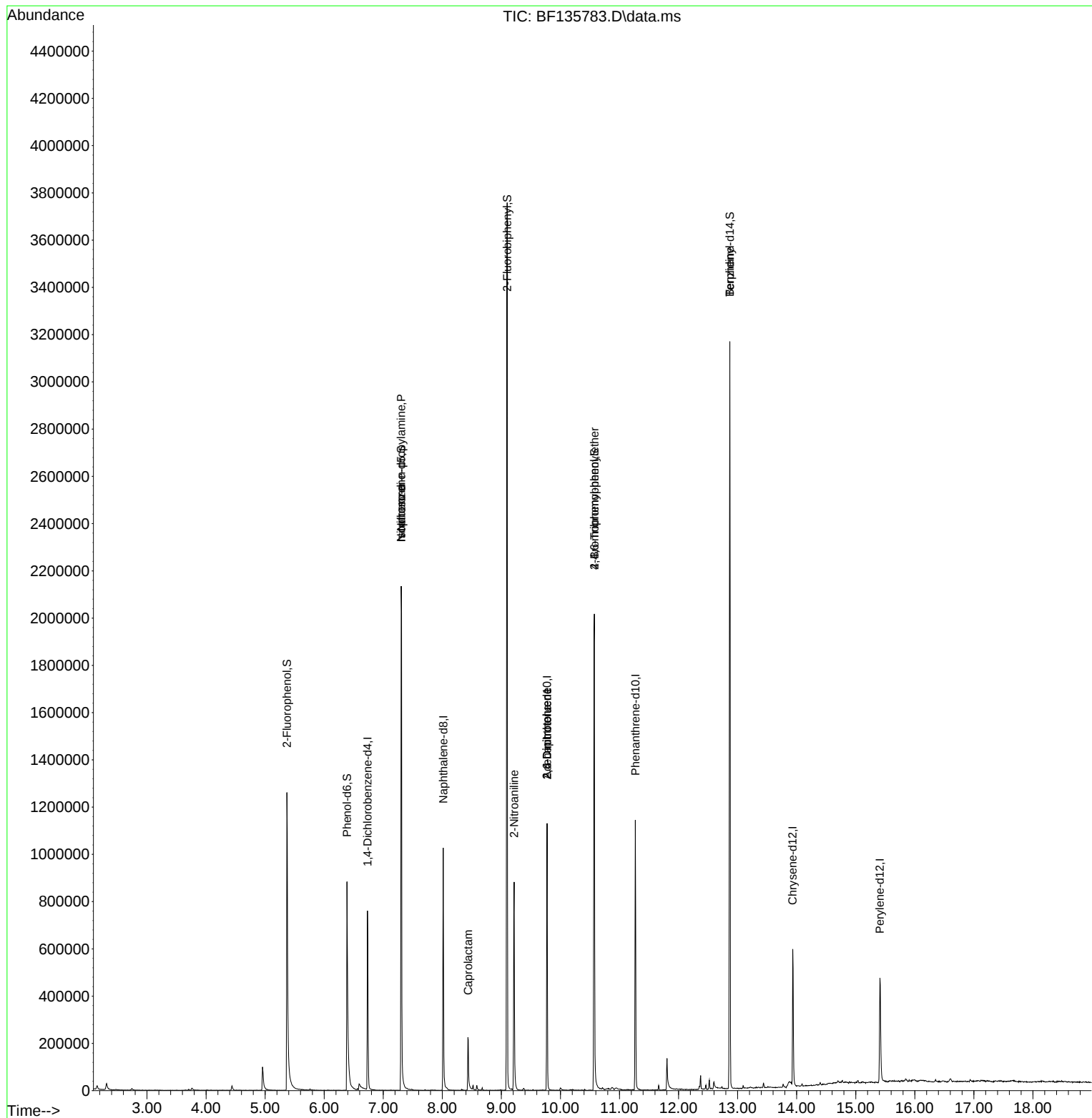
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.734  | 152  | 111766   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.016  | 136  | 421970   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.775  | 164  | 212528   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.269 | 188  | 417623   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 13.933 | 240  | 211611   | 20.000  | ng    | #-0.02   |
| 86) Perylene-d12              | 15.409 | 264  | 236000   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.369  | 112  | 455102   | 65.466  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.387  | 99   | 376221   | 43.374  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.304  | 82   | 686500   | 89.478  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.575 | 330  | 260241   | 127.608 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.098  | 172  | 1169220  | 86.016  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.868 | 244  | 1136660  | 99.475  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 92659    | 17.277  | ng    | # 76     |
| 25) Isophorone                | 7.304  | 82   | 686495   | 47.429  | ng    | # 66     |
| 35) Caprolactam               | 8.439  | 113  | 22802    | 11.506  | ng    | # 81     |
| 48) 2-Nitroaniline            | 9.216  | 65   | 9449     | 2.040   | ng    | # 16     |
| 51) 2,6-Dinitrotoluene        | 9.775  | 165  | 26990    | 8.748   | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 9.775  | 165  | 26990    | 6.876   | ng    | # 23     |
| 67) 4-Bromophenyl-phenylether | 10.575 | 248  | 16073    | 3.834   | ng    | # 1      |
| 77) Benzidine                 | 12.868 | 184  | 14813    | 3.208   | ng    | # 96     |
| -----                         |        |      |          |         |       |          |

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

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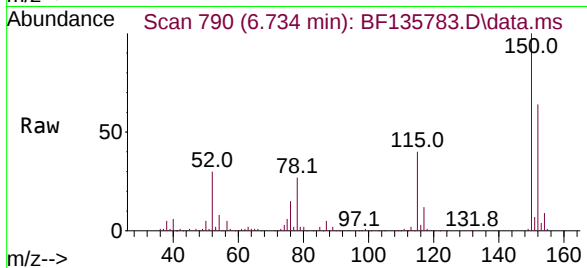
Quant Time: Oct 17 01:57:04 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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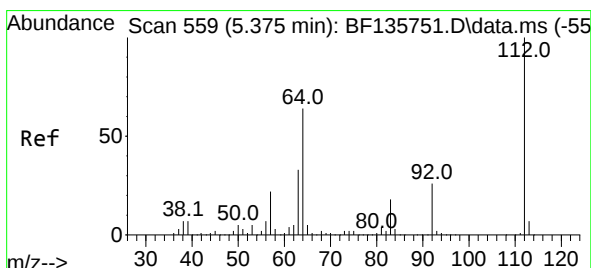
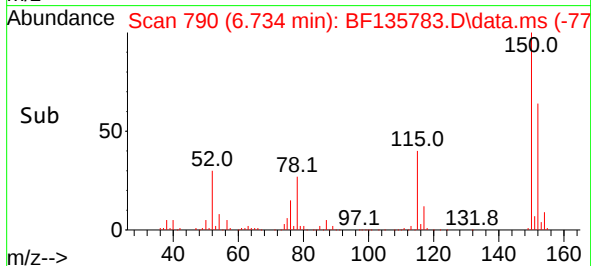
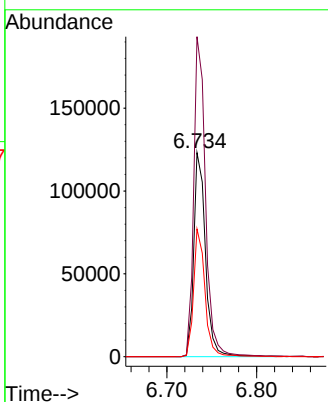


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.734 min Scan# 791  
Delta R.T. -0.012 min  
Lab File: BF135783.D  
Acq: 16 Oct 2023 18:45

Instrument :  
BNA\_F  
ClientSampleId :

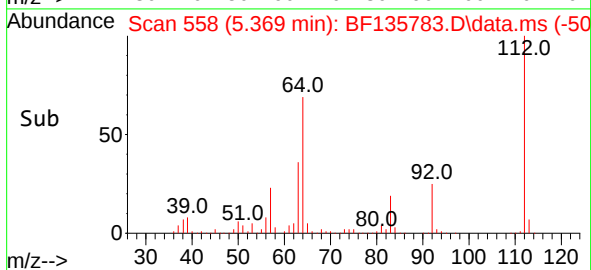
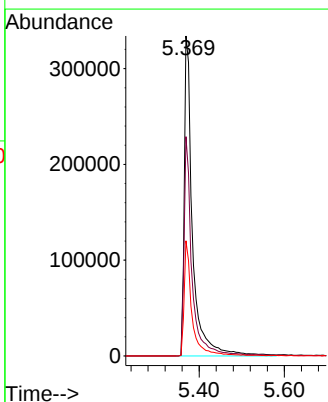
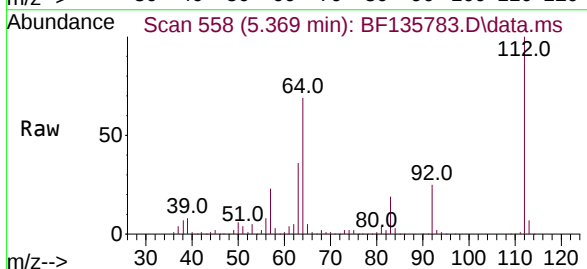


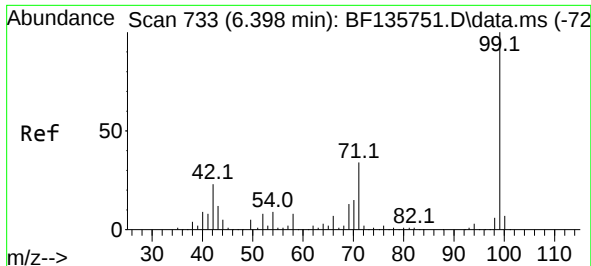
Tgt Ion:152 Resp: 111766  
Ion Ratio Lower Upper  
152 100  
150 156.9 124.5 186.7  
115 62.6 49.0 73.4



#5  
2-Fluorophenol  
Concen: 65.466 ng  
RT: 5.369 min Scan# 558  
Delta R.T. -0.006 min  
Lab File: BF135783.D  
Acq: 16 Oct 2023 18:45

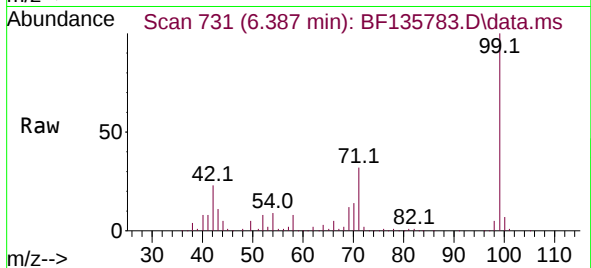
Tgt Ion:112 Resp: 455102  
Ion Ratio Lower Upper  
112 100  
64 68.5 51.2 76.8  
63 36.0 26.1 39.1



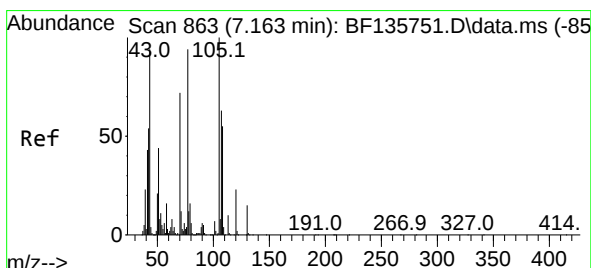
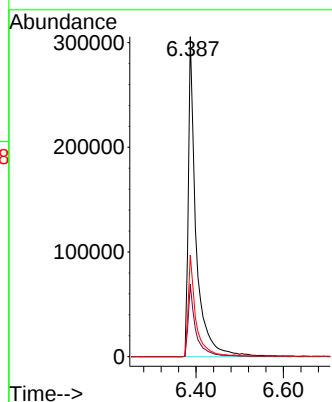
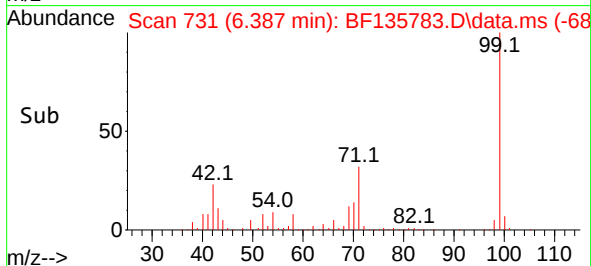


#7  
Phenol-d6  
Concen: 43.374 ng  
RT: 6.387 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF135783.D  
Acq: 16 Oct 2023 18:45

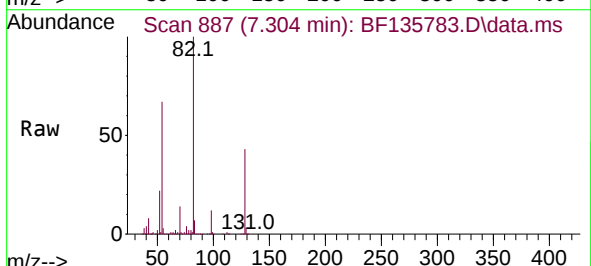
Instrument :  
BNA\_F  
ClientSampleId :



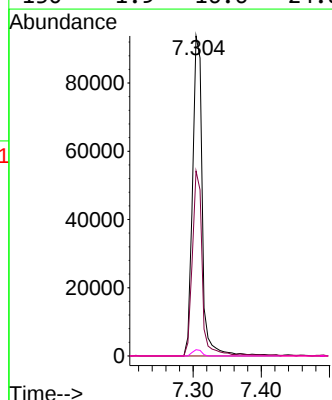
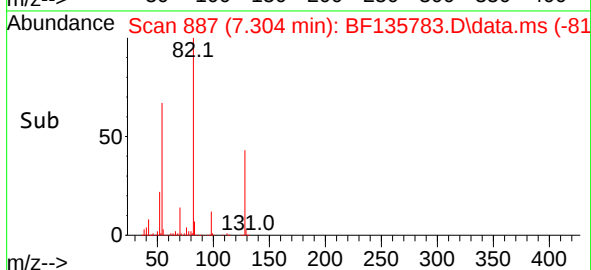
Tgt Ion: 99 Resp: 376221  
Ion Ratio Lower Upper  
99 100  
42 22.6 18.4 27.6  
71 31.8 27.2 40.8

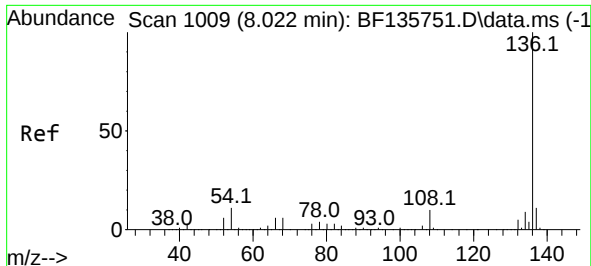


#19  
n-Nitroso-di-n-propylamine  
Concen: 17.277 ng  
RT: 7.304 min Scan# 887  
Delta R.T. 0.141 min  
Lab File: BF135783.D  
Acq: 16 Oct 2023 18:45



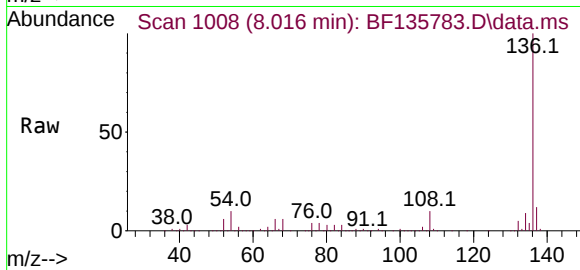
Tgt Ion: 70 Resp: 92659  
Ion Ratio Lower Upper  
70 100  
42 57.8 59.8 89.6#  
101 0.0 7.4 11.2#  
130 1.9 16.6 24.8#



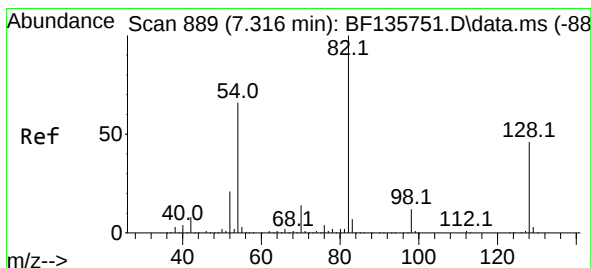
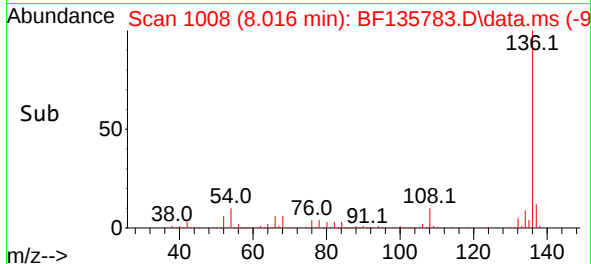
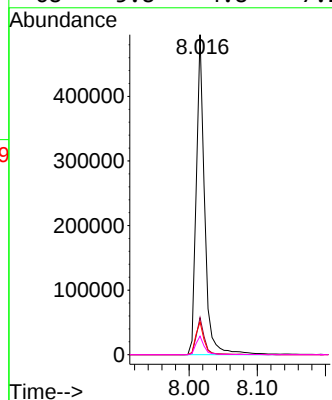


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.016 min Scan# 1009  
Delta R.T. -0.006 min  
Lab File: BF135783.D  
Acq: 16 Oct 2023 18:45

Instrument :  
BNA\_F  
ClientSampleId :

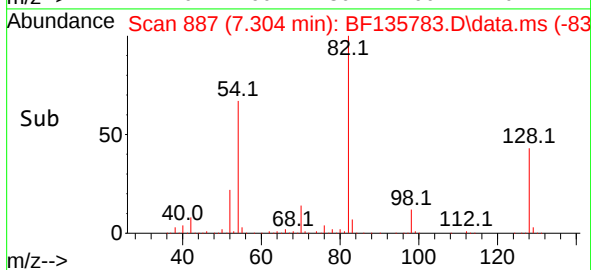
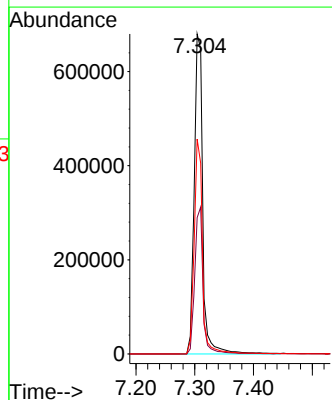
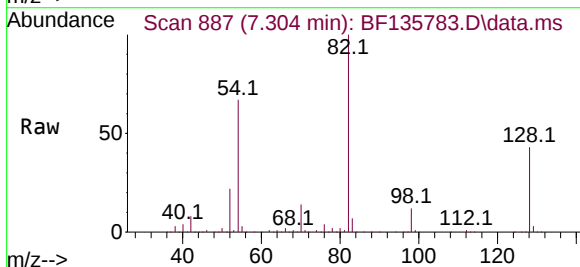


Tgt Ion:136 Resp: 421970  
Ion Ratio Lower Upper  
136 100  
137 11.6 8.6 12.8  
54 10.2 8.5 12.7  
68 5.8 4.8 7.2



#23  
Nitrobenzene-d5  
Concen: 89.478 ng  
RT: 7.304 min Scan# 887  
Delta R.T. -0.012 min  
Lab File: BF135783.D  
Acq: 16 Oct 2023 18:45

Tgt Ion: 82 Resp: 686500  
Ion Ratio Lower Upper  
82 100  
128 42.6 37.0 55.6  
54 67.1 52.8 79.2

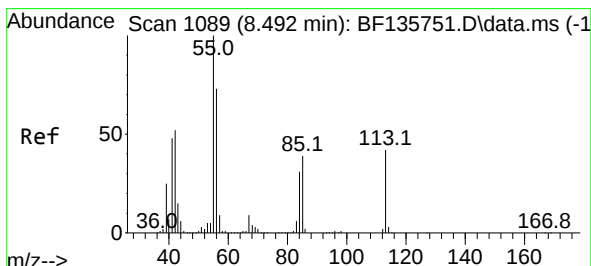
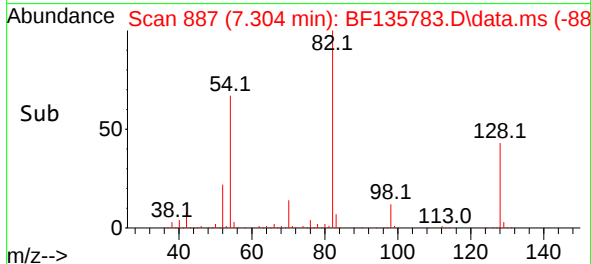
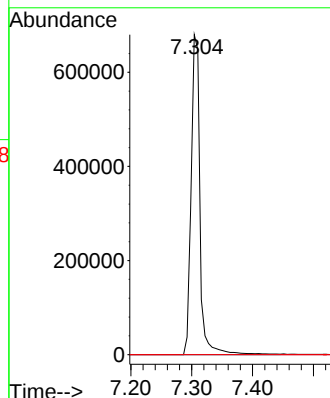
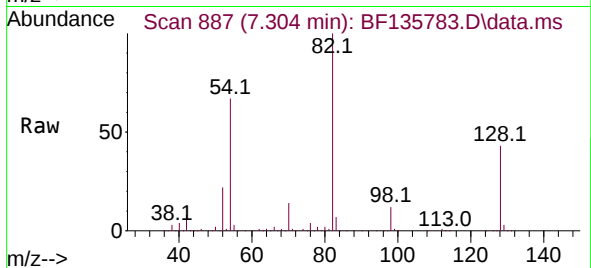




#25  
Isophorone  
Concen: 47.429 ng  
RT: 7.304 min Scan# 81  
Delta R.T. -0.265 min  
Lab File: BF135783.D  
Acq: 16 Oct 2023 18:45

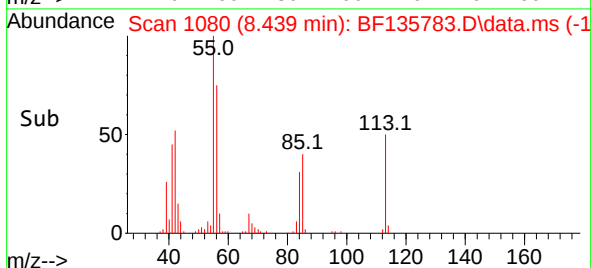
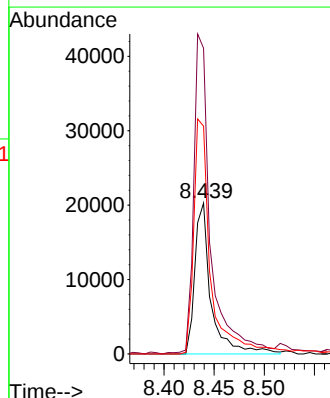
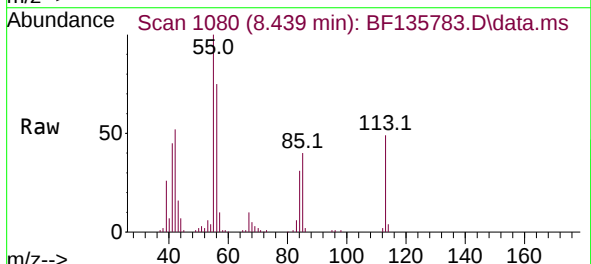
Instrument :  
BNA\_F  
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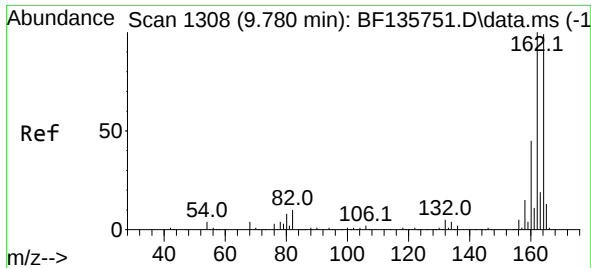
Tgt Ion: 82 Resp: 686495  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 13.9 20.9#



#35  
Caprolactam  
Concen: 11.506 ng  
RT: 8.439 min Scan# 1080  
Delta R.T. -0.059 min  
Lab File: BF135783.D  
Acq: 16 Oct 2023 18:45

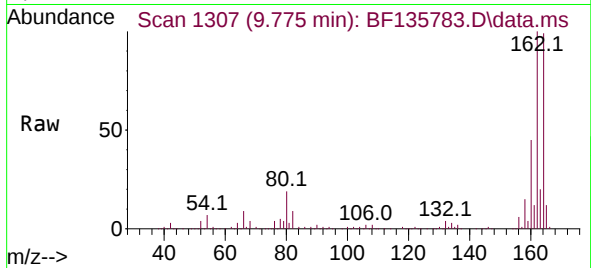
Tgt Ion: 113 Resp: 22802  
Ion Ratio Lower Upper  
113 100  
55 202.6 217.4 257.4#  
56 150.9 153.1 193.1#



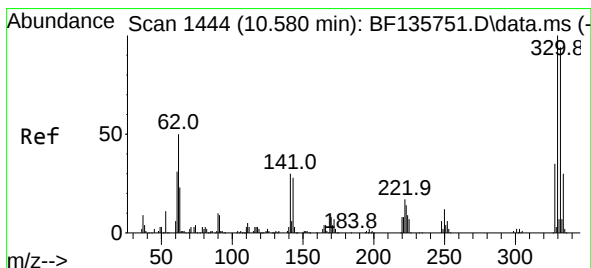
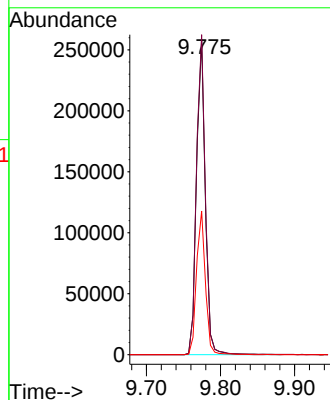
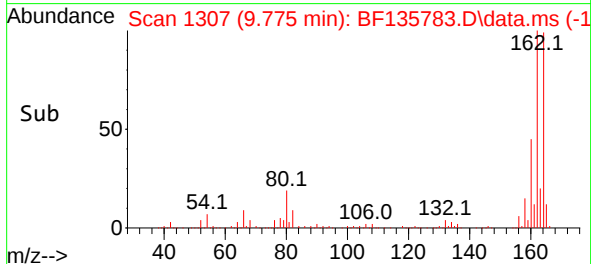


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.775 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF135783.D  
Acq: 16 Oct 2023 18:45

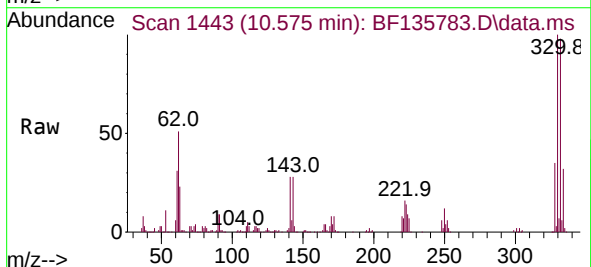
Instrument :  
BNA\_F  
ClientSampleId :



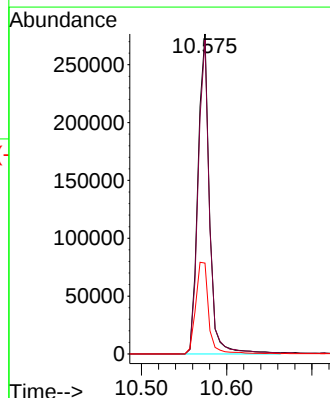
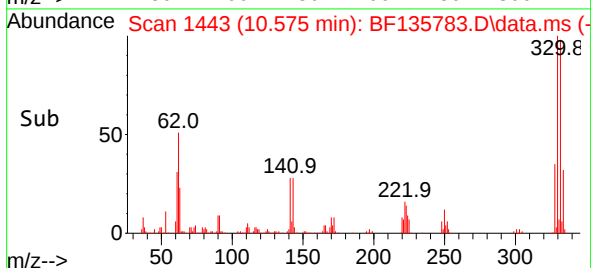
Tgt Ion:164 Resp: 212528  
Ion Ratio Lower Upper  
164 100  
162 101.5 80.8 121.2  
160 45.6 36.6 54.8

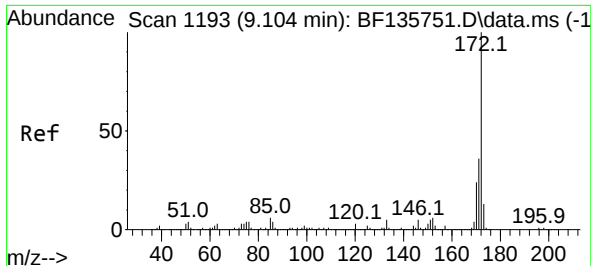


#42  
2,4,6-Tribromophenol  
Concen: 127.608 ng  
RT: 10.575 min Scan# 1443  
Delta R.T. -0.012 min  
Lab File: BF135783.D  
Acq: 16 Oct 2023 18:45



Tgt Ion:330 Resp: 260241  
Ion Ratio Lower Upper  
330 100  
332 97.6 75.0 112.4  
141 32.5 25.8 38.6

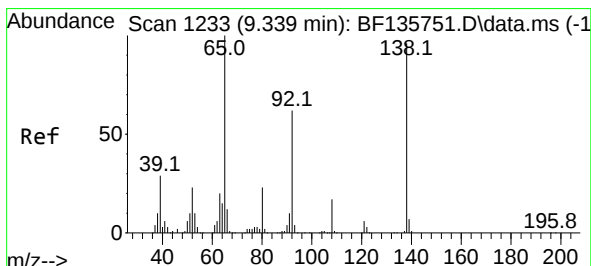
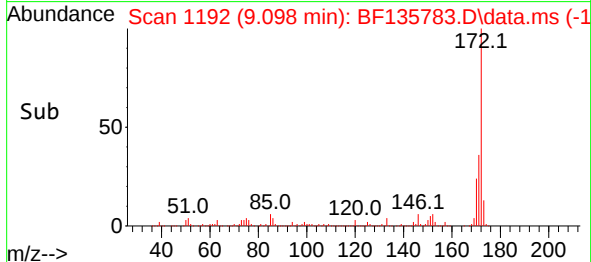
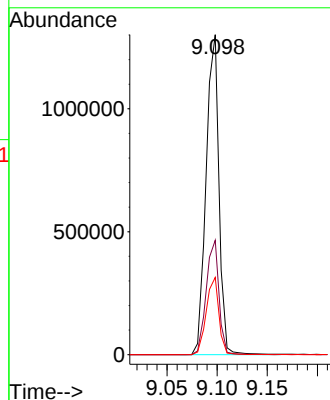
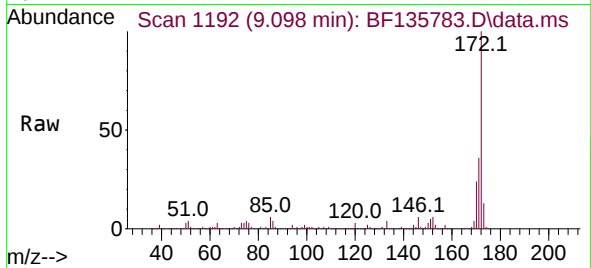




#45  
2-Fluorobiphenyl  
Concen: 86.016 ng  
RT: 9.098 min Scan# 1193  
Delta R.T. -0.006 min  
Lab File: BF135783.D  
Acq: 16 Oct 2023 18:45

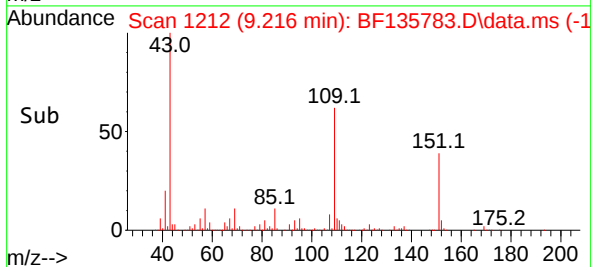
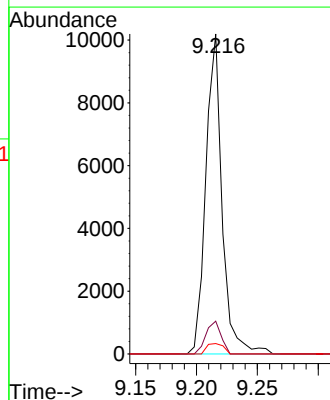
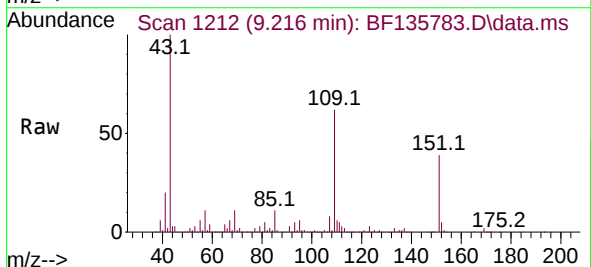
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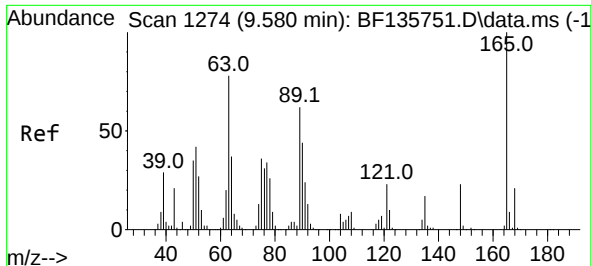
Tgt Ion:172 Resp: 1169220  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.4 42.6  
170 24.2 18.8 28.2



#48  
2-Nitroaniline  
Concen: 2.040 ng  
RT: 9.216 min Scan# 1212  
Delta R.T. -0.124 min  
Lab File: BF135783.D  
Acq: 16 Oct 2023 18:45

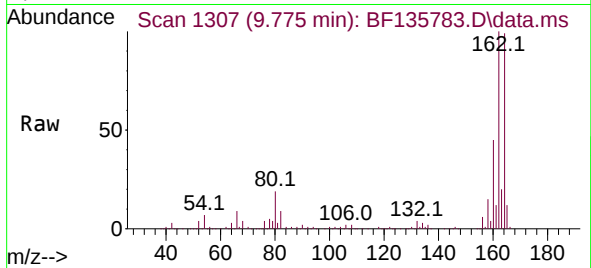
Tgt Ion: 65 Resp: 9449  
Ion Ratio Lower Upper  
65 100  
92 10.2 49.4 74.0#  
138 3.2 76.6 114.8#



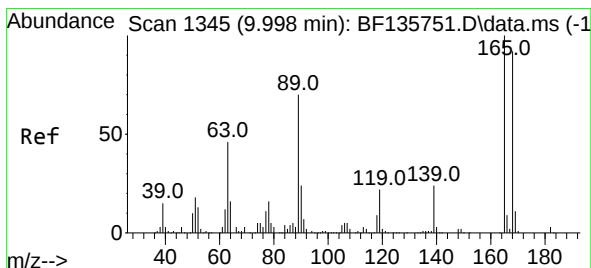
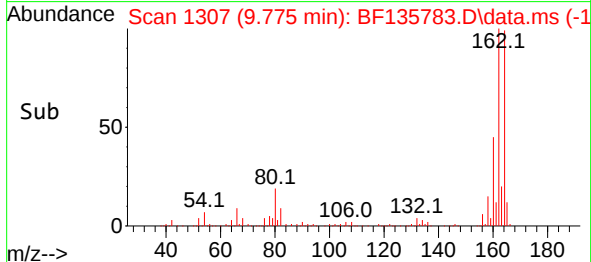
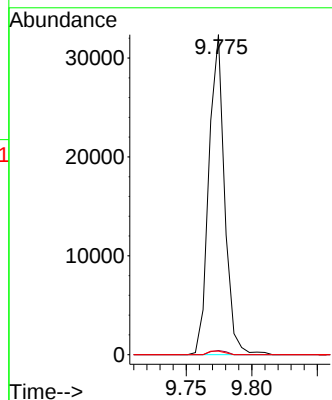


#51  
2,6-Dinitrotoluene  
Concen: 8.748 ng  
RT: 9.775 min Scan# 11  
Delta R.T. 0.188 min  
Lab File: BF135783.D  
Acq: 16 Oct 2023 18:45

Instrument :  
BNA\_F  
ClientSampleId :

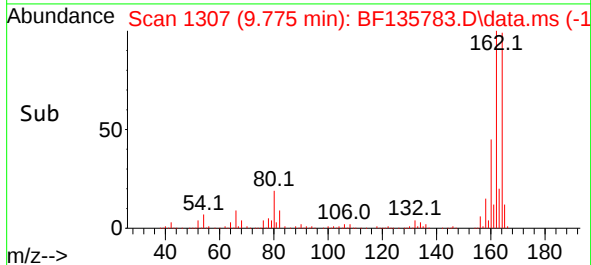
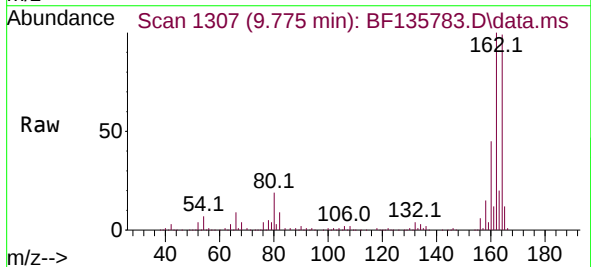
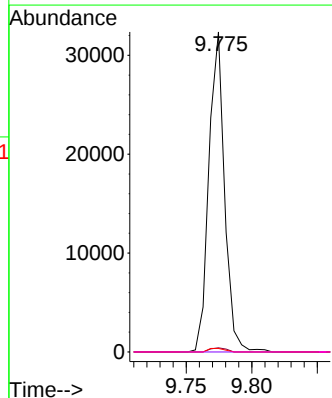


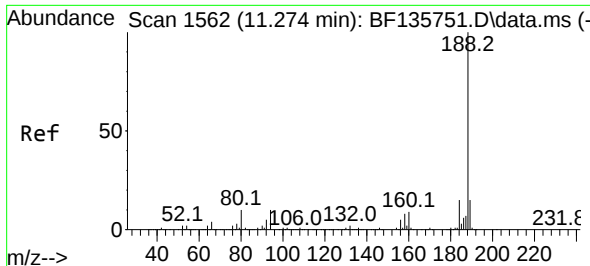
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Ion Ratio Lower Upper  
165 100  
63 1.3 62.2 93.4#  
89 1.1 49.6 74.4#



#57  
2,4-Dinitrotoluene  
Concen: 6.876 ng  
RT: 9.775 min Scan# 1307  
Delta R.T. -0.230 min  
Lab File: BF135783.D  
Acq: 16 Oct 2023 18:45

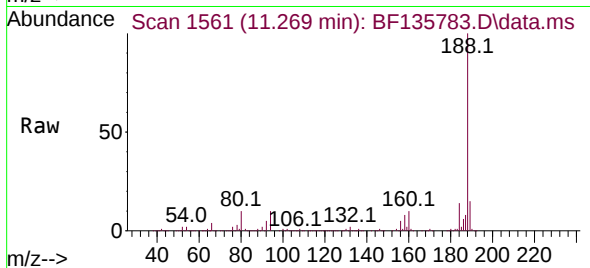
Tgt Ion:165 Resp: 26990  
Ion Ratio Lower Upper  
165 100  
63 1.3 39.0 58.4#  
89 1.1 55.9 83.9#  
182 0.0 2.0 3.0#



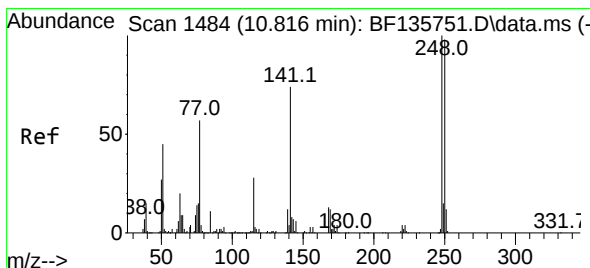
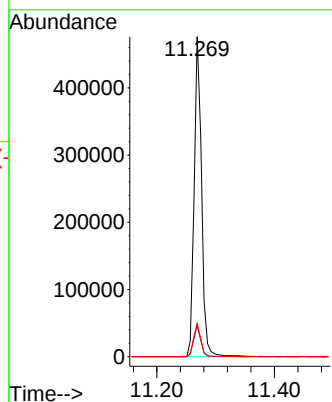
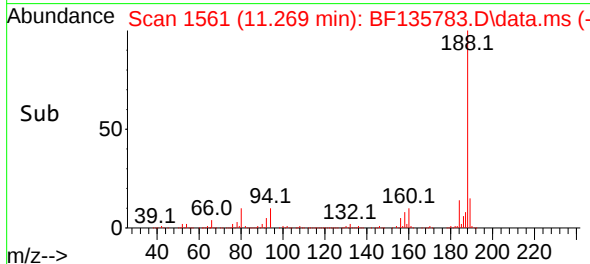


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.269 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF135783.D  
Acq: 16 Oct 2023 18:45

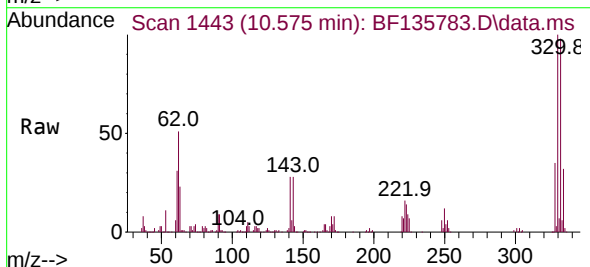
Instrument :  
BNA\_F  
ClientSampleId :



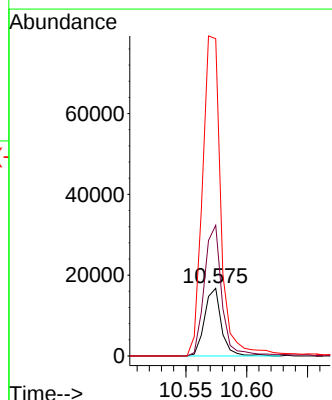
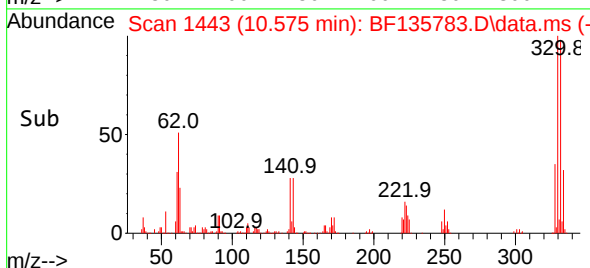
Tgt Ion:188 Resp: 417623  
Ion Ratio Lower Upper  
188 100  
94 9.8 8.0 12.0  
80 10.4 8.3 12.5

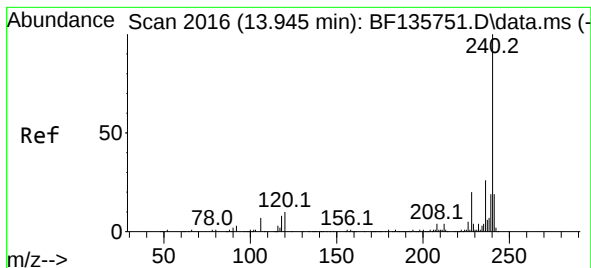


#67  
4-Bromophenyl-phenylether  
Concen: 3.834 ng  
RT: 10.575 min Scan# 1443  
Delta R.T. -0.247 min  
Lab File: BF135783.D  
Acq: 16 Oct 2023 18:45



Tgt Ion:248 Resp: 16073  
Ion Ratio Lower Upper  
248 100  
250 193.1 78.0 117.0#  
141 468.4 59.0 88.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 2016

Delta R.T. -0.018 min

Lab File: BF135783.D

Acq: 16 Oct 2023 18:45

Instrument :

BNA\_F

ClientSampleId :

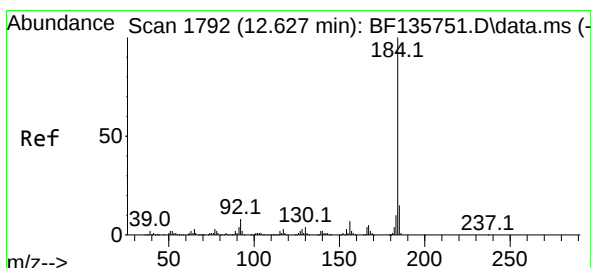
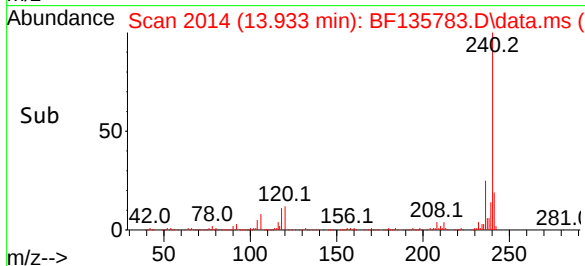
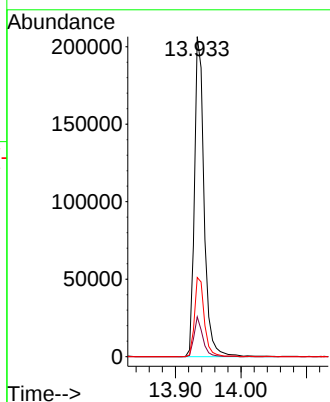
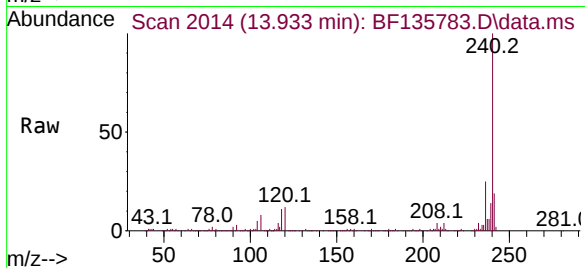
Tgt Ion:240 Resp: 211611

Ion Ratio Lower Upper

240 100

120 12.5 8.2 12.2#

236 24.8 21.2 31.8



#77

Benzdine

Concen: 3.208 ng

RT: 12.868 min Scan# 1833

Delta R.T. 0.235 min

Lab File: BF135783.D

Acq: 16 Oct 2023 18:45

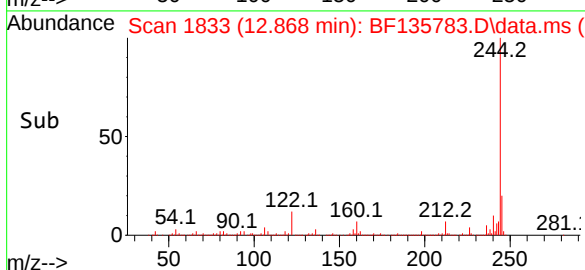
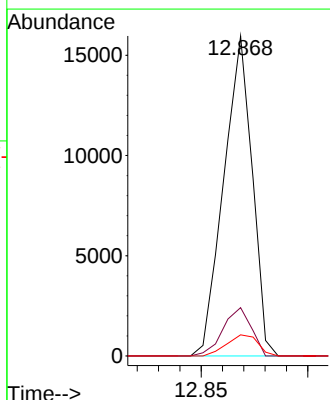
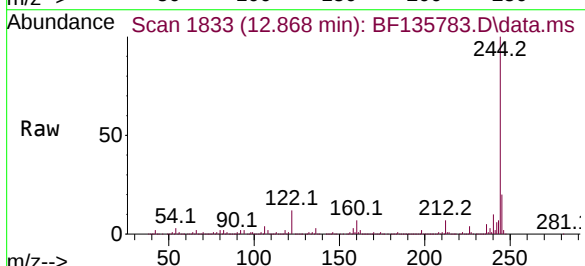
Tgt Ion:184 Resp: 14813

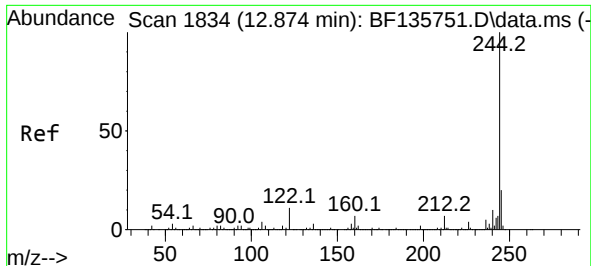
Ion Ratio Lower Upper

184 100

185 15.1 12.0 18.0

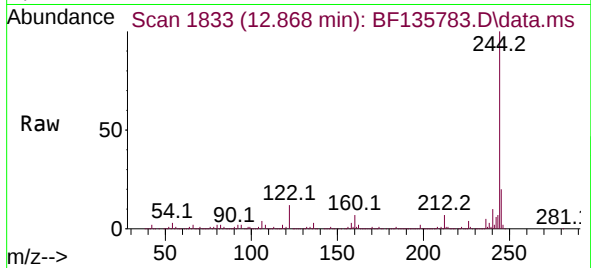
183 6.6 8.2 12.2#



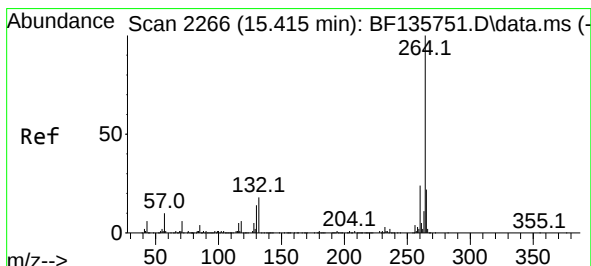
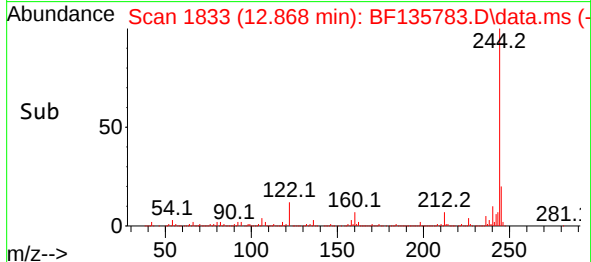
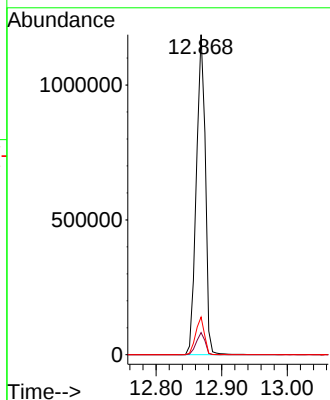


#79  
 Terphenyl-d14  
 Concen: 99.475 ng  
 RT: 12.868 min Scan# 1833  
 Delta R.T. -0.012 min  
 Lab File: BF135783.D  
 Acq: 16 Oct 2023 18:45

Instrument :  
 BNA\_F  
 ClientSampleId :



Tgt Ion:244 Resp: 1136660  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.6 8.4  
 122 11.8 9.0 13.6



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.409 min Scan# 2265  
 Delta R.T. -0.012 min  
 Lab File: BF135783.D  
 Acq: 16 Oct 2023 18:45

Tgt Ion:264 Resp: 236000  
 Ion Ratio Lower Upper  
 264 100  
 260 23.1 19.2 28.8  
 265 20.1 17.4 26.2

