

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020624\  
 Data File : BF137304.D  
 Acq On : 06 Feb 2024 21:20  
 Operator : CG\JU  
 Sample : P1337-09  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-3

Quant Time: Feb 07 01:06:00 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 31 04:56:22 2024  
 Response via : Initial Calibration

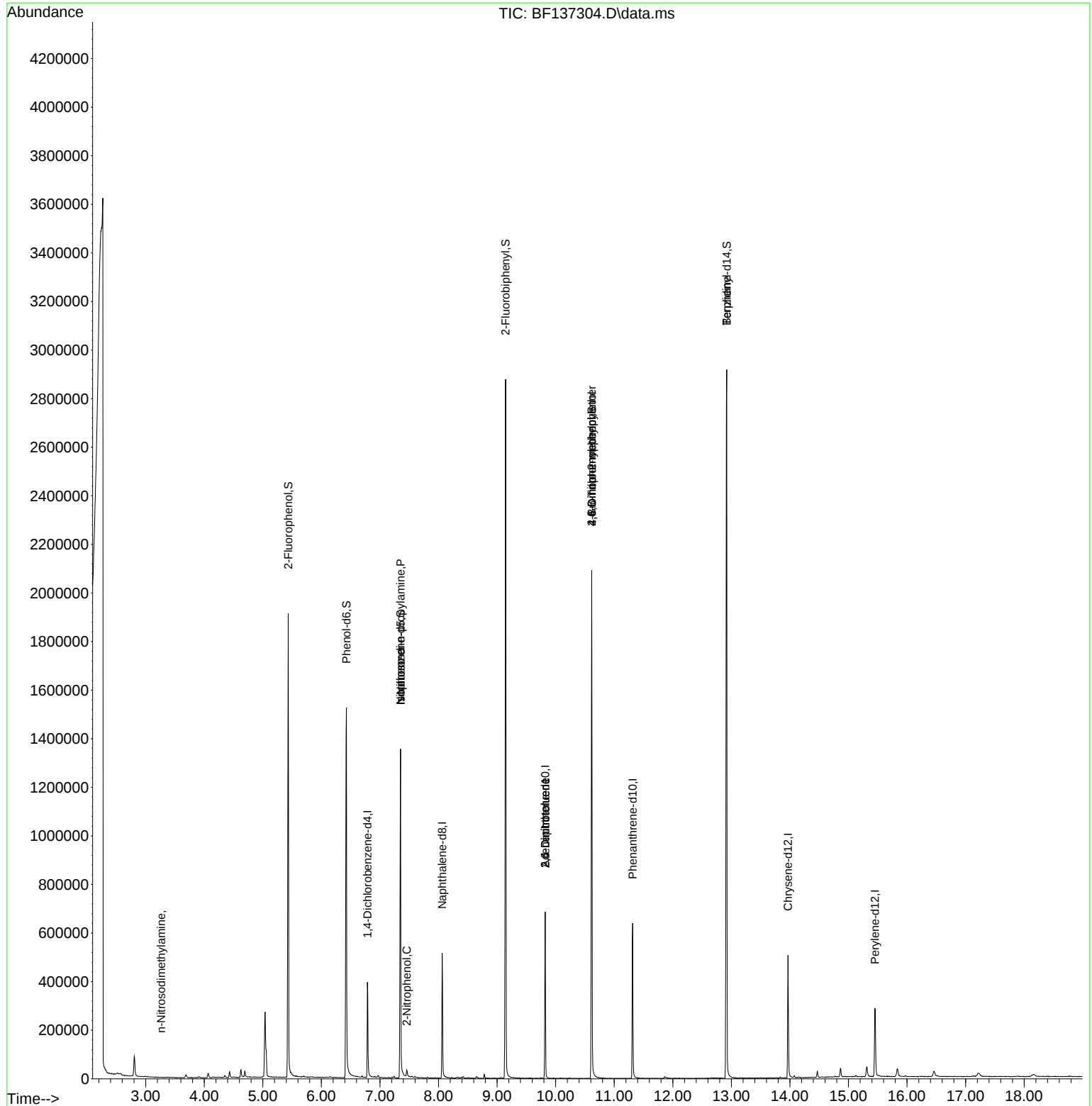
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.786  | 152  | 58625    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.063  | 136  | 226866   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.822  | 164  | 130948   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.316 | 188  | 260341   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.968 | 240  | 176550   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.451 | 264  | 153889   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.434  | 112  | 463705   | 130.516 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.428  | 99   | 565706   | 111.573 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 452443   | 89.289  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 248252   | 167.867 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 888899   | 93.315  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.921 | 244  | 1208204  | 93.032  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 4) n-Nitrosodimethylamine     | 3.263  | 42   | 520      | 6.294   | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 7.351  | 70   | 62001    | 17.835  | ng    | # 79     |
| 25) Isophorone                | 7.351  | 82   | 452438   | 48.373  | ng    | # 67     |
| 26) 2-Nitrophenol             | 7.457  | 139  | 378      | 2.638   | ng    | # 28     |
| 51) 2,6-Dinitrotoluene        | 9.822  | 165  | 17008    | 9.016   | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.822  | 165  | 17008    | 6.949   | ng    | # 16     |
| 65) 4,6-Dinitro-2-methylph... | 10.616 | 198  | 586      | 5.831   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.616 | 248  | 16694    | 5.832   | ng    | # 1      |
| 77) Benzidine                 | 12.921 | 184  | 15158    | 4.795   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

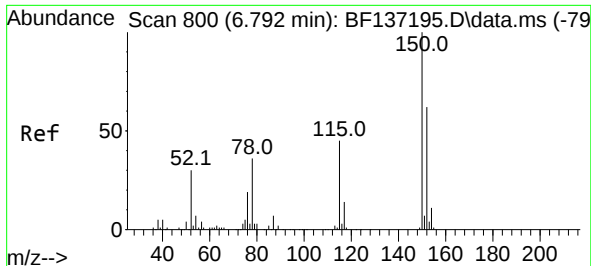
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 31 04:56:22 2024  
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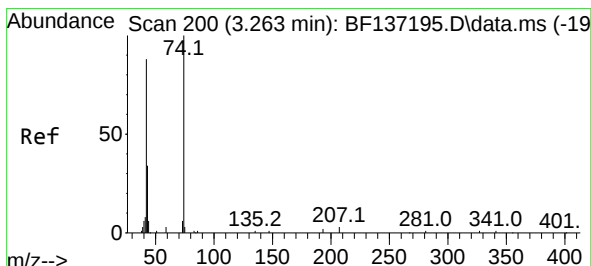
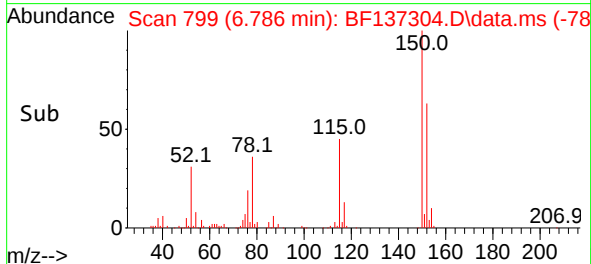
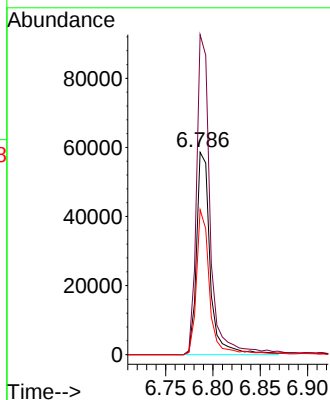
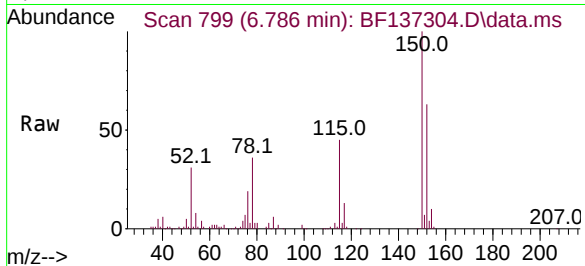




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.786 min Scan# 79  
Delta R.T. -0.006 min  
Lab File: BF137304.D  
Acq: 06 Feb 2024 21:20

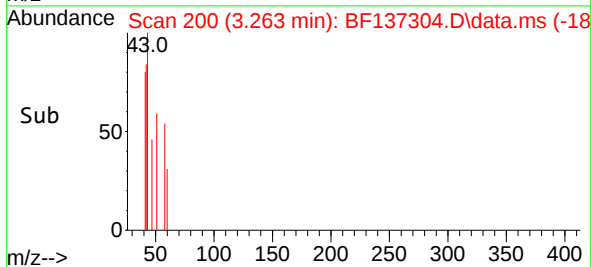
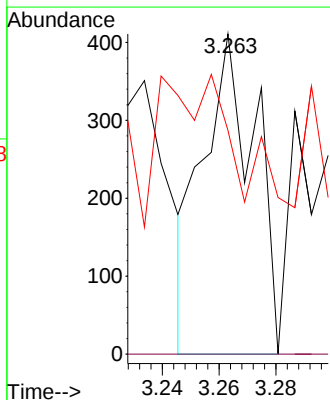
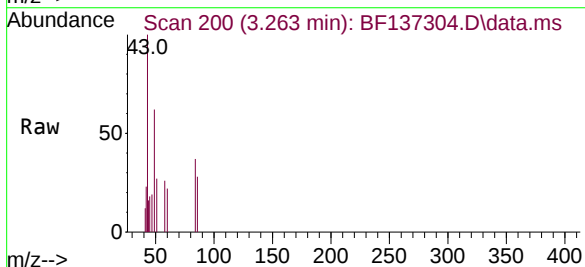
Instrument :  
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ClientSampleId :  
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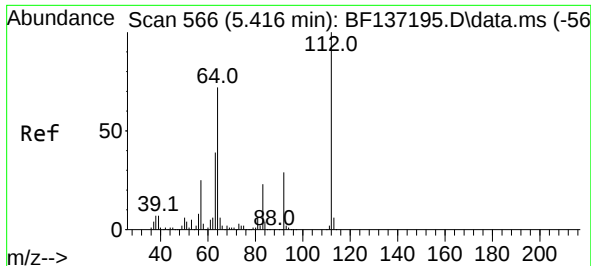
Tgt Ion:152 Resp: 58625  
Ion Ratio Lower Upper  
152 100  
150 158.2 129.8 194.8  
115 71.6 58.5 87.7



#4  
n-Nitrosodimethylamine  
Concen: 6.294 ng  
RT: 3.263 min Scan# 200  
Delta R.T. 0.000 min  
Lab File: BF137304.D  
Acq: 06 Feb 2024 21:20

Tgt Ion: 42 Resp: 520  
Ion Ratio Lower Upper  
42 100  
74 0.0 90.5 135.7#  
44 69.8 6.1 9.1#

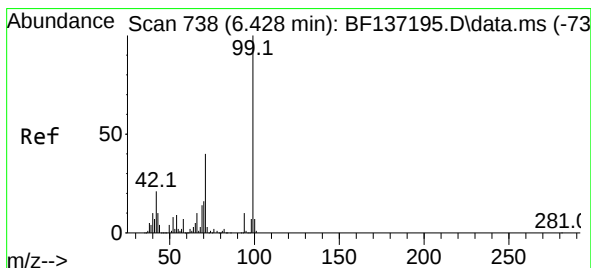
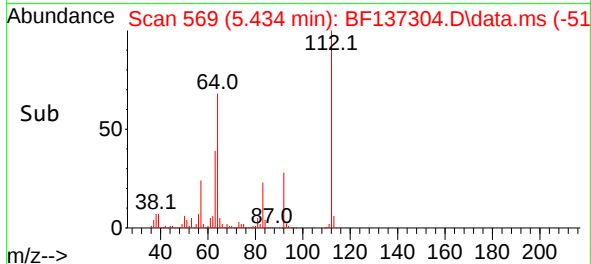
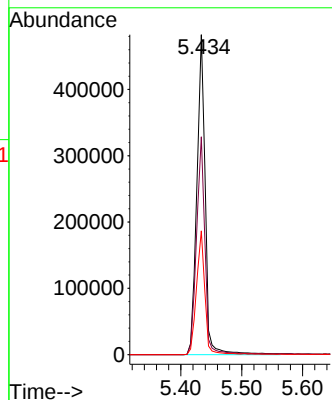
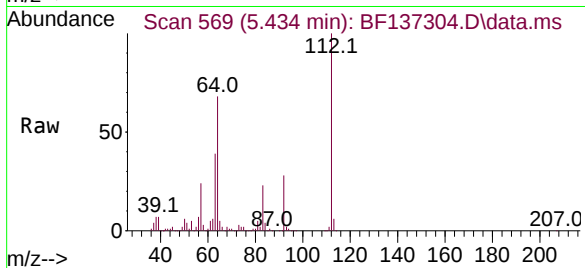




#5  
2-Fluorophenol  
Concen: 130.516 ng  
RT: 5.434 min Scan# 569  
Delta R.T. 0.018 min  
Lab File: BF137304.D  
Acq: 06 Feb 2024 21:20

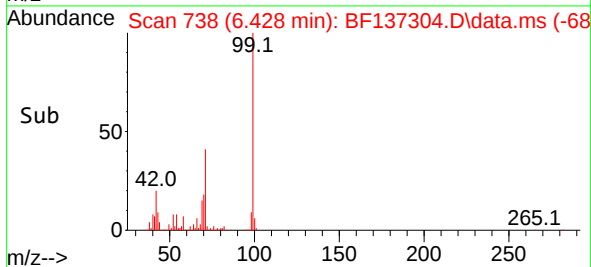
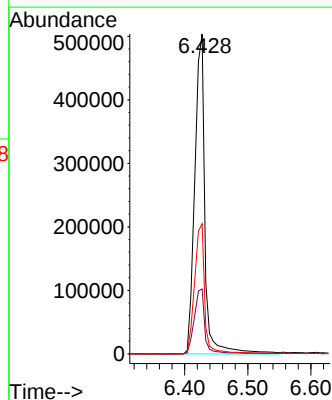
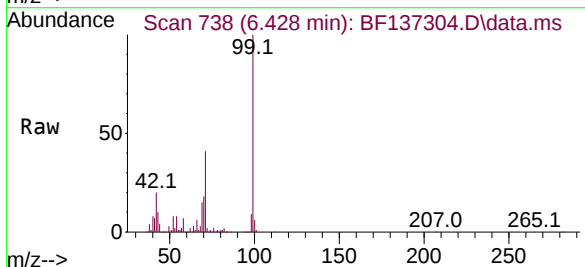
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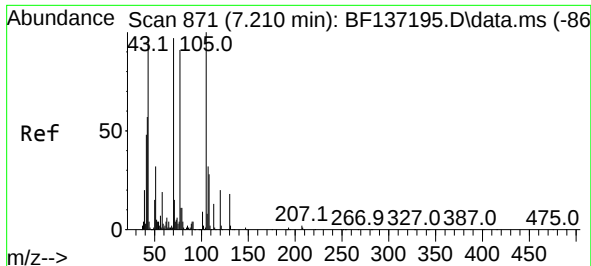
Tgt Ion:112 Resp: 463705  
Ion Ratio Lower Upper  
112 100  
64 68.1 57.8 86.6  
63 38.7 31.4 47.0



#7  
Phenol-d6  
Concen: 111.573 ng  
RT: 6.428 min Scan# 738  
Delta R.T. -0.000 min  
Lab File: BF137304.D  
Acq: 06 Feb 2024 21:20

Tgt Ion: 99 Resp: 565706  
Ion Ratio Lower Upper  
99 100  
42 20.3 16.4 24.6  
71 40.7 32.4 48.6

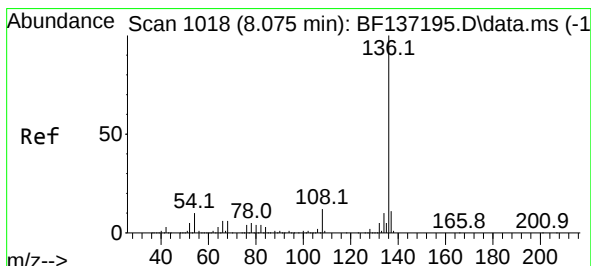
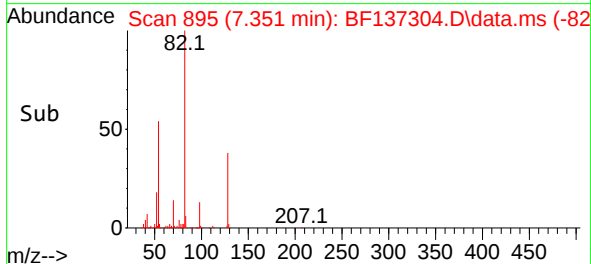
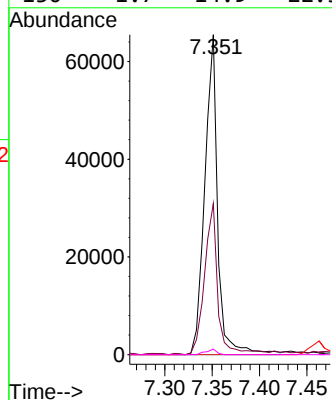
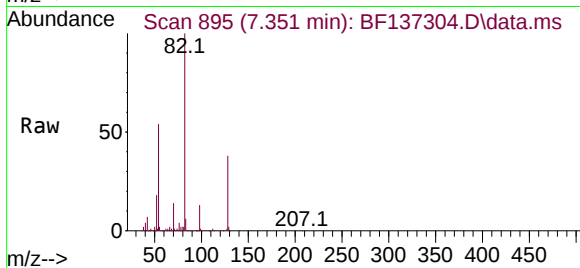




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.835 ng  
RT: 7.351 min Scan# 89  
Delta R.T. 0.141 min  
Lab File: BF137304.D  
Acq: 06 Feb 2024 21:20

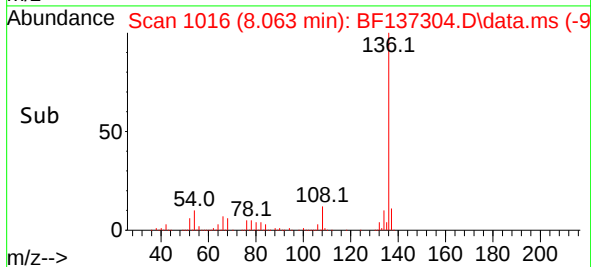
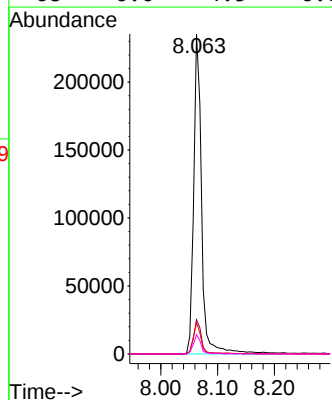
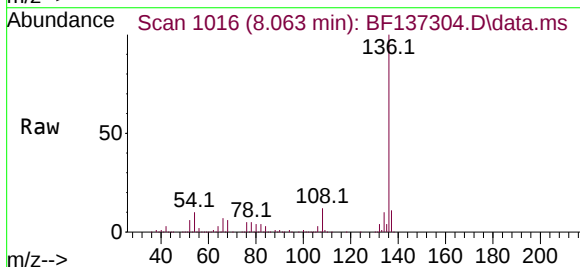
Instrument :  
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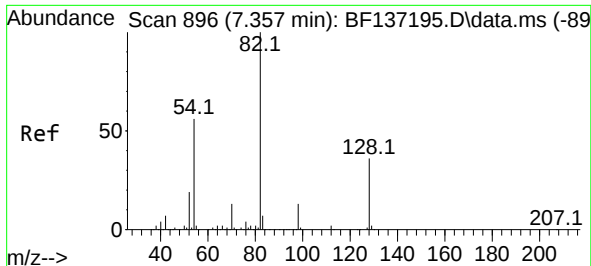
|             |             |
|-------------|-------------|
| Tgt Ion: 70 | Resp: 62001 |
| Ion Ratio   | Lower Upper |
| 70 100      |             |
| 42 47.2     | 47.2 70.8   |
| 101 0.0     | 7.4 11.0#   |
| 130 1.7     | 14.9 22.3#  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.063 min Scan# 1016  
Delta R.T. -0.012 min  
Lab File: BF137304.D  
Acq: 06 Feb 2024 21:20

|              |              |
|--------------|--------------|
| Tgt Ion: 136 | Resp: 226866 |
| Ion Ratio    | Lower Upper  |
| 136 100      |              |
| 137 10.7     | 8.9 13.3     |
| 54 9.7       | 7.8 11.8     |
| 68 6.0       | 4.5 6.7      |

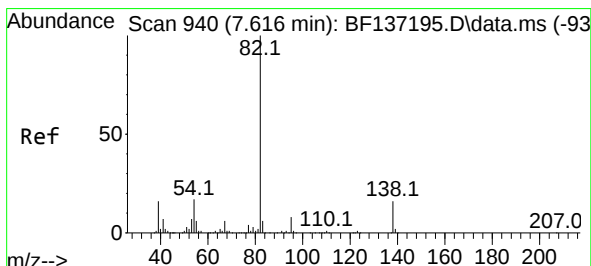
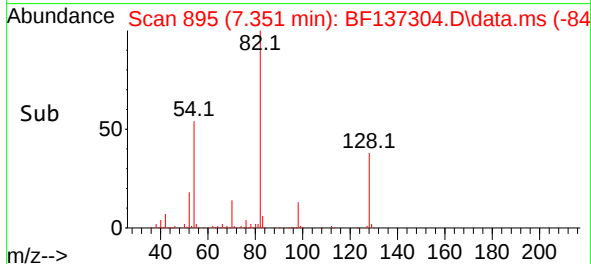
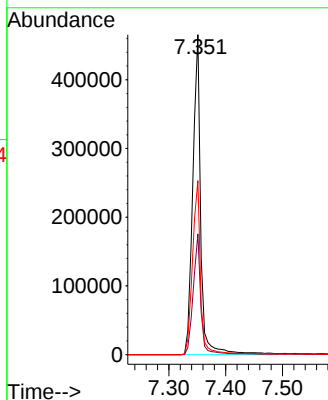
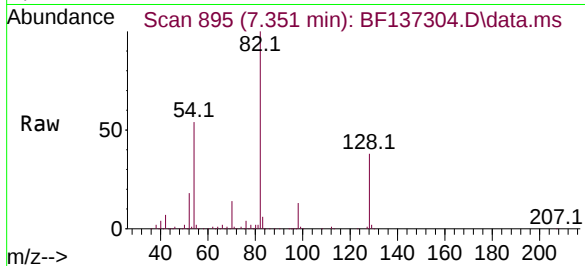




#23  
Nitrobenzene-d5  
Concen: 89.289 ng  
RT: 7.351 min Scan# 895  
Delta R.T. -0.006 min  
Lab File: BF137304.D  
Acq: 06 Feb 2024 21:20

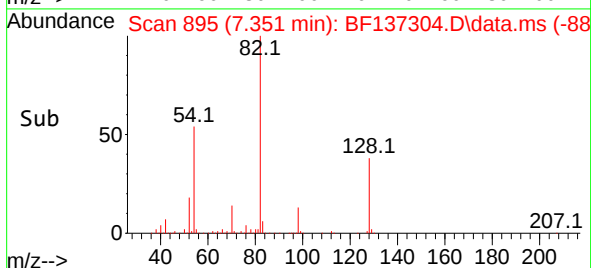
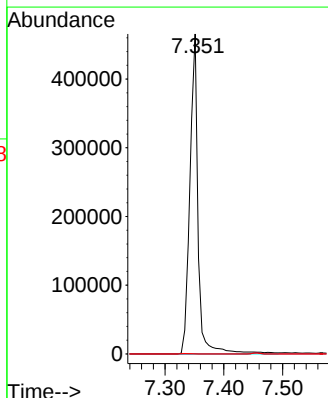
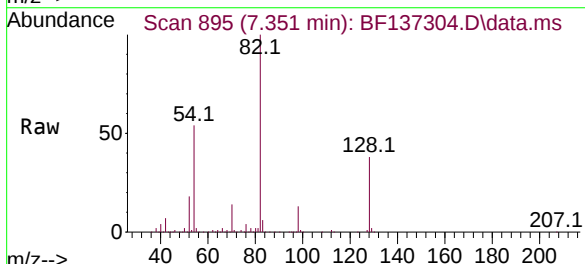
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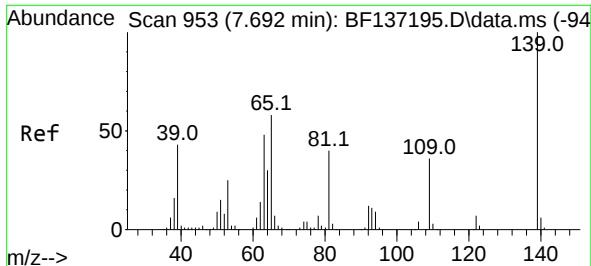
Tgt Ion: 82 Resp: 452443  
Ion Ratio Lower Upper  
82 100  
128 37.7 29.1 43.7  
54 54.4 45.0 67.6



#25  
Isophorone  
Concen: 48.373 ng  
RT: 7.351 min Scan# 895  
Delta R.T. -0.265 min  
Lab File: BF137304.D  
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Tgt Ion: 82 Resp: 452438  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.4 9.6#  
138 0.0 12.7 19.1#

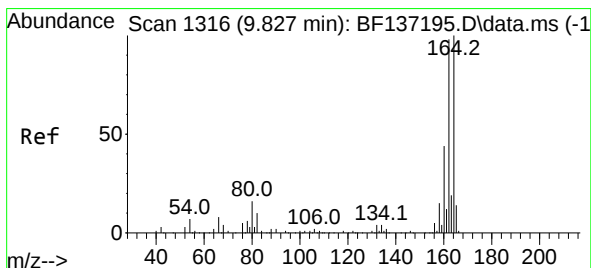
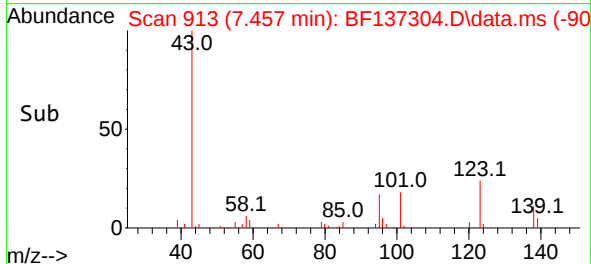
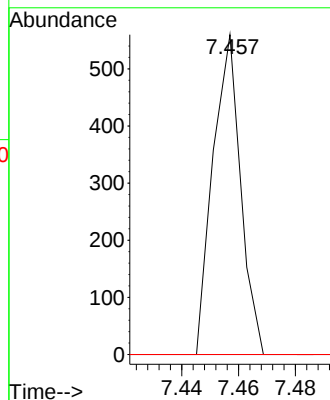
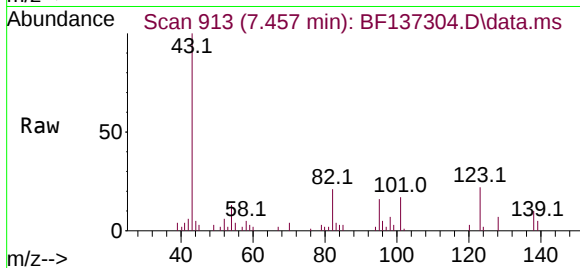




#26  
2-Nitrophenol  
Concen: 2.638 ng  
RT: 7.457 min Scan# 91  
Delta R.T. -0.235 min  
Lab File: BF137304.D  
Acq: 06 Feb 2024 21:20

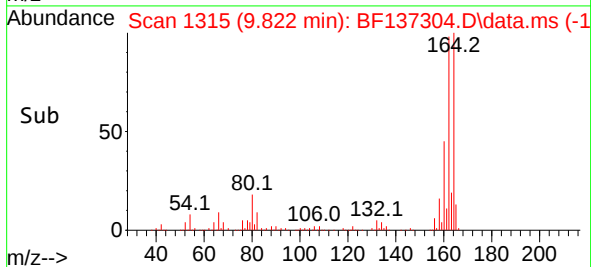
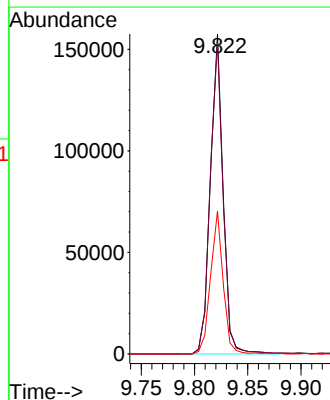
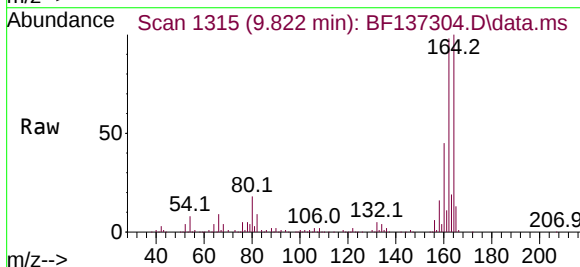
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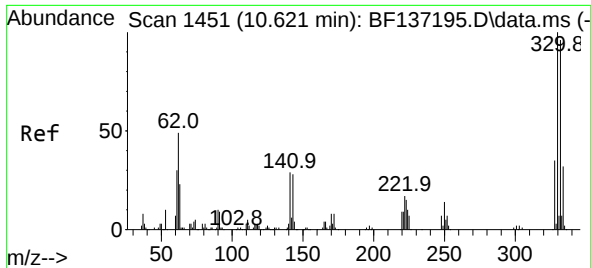
Tgt Ion:139 Resp: 378  
Ion Ratio Lower Upper  
139 100  
109 0.0 28.5 42.7#  
65 0.0 46.7 70.1#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.822 min Scan# 1315  
Delta R.T. -0.005 min  
Lab File: BF137304.D  
Acq: 06 Feb 2024 21:20

Tgt Ion:164 Resp: 130948  
Ion Ratio Lower Upper  
164 100  
162 97.6 78.3 117.5  
160 44.6 35.4 53.2

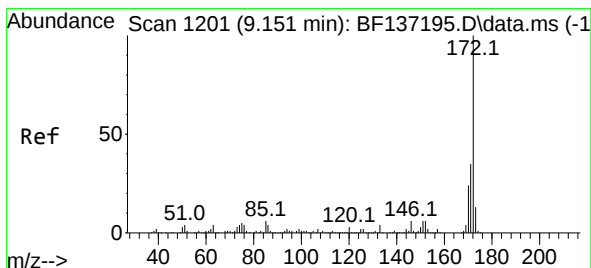
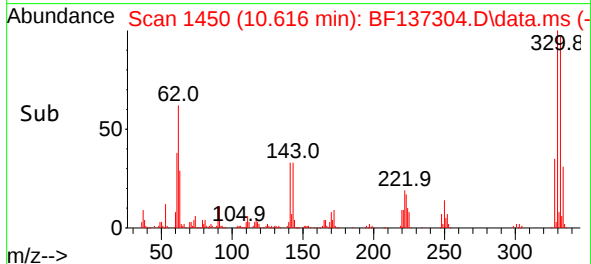
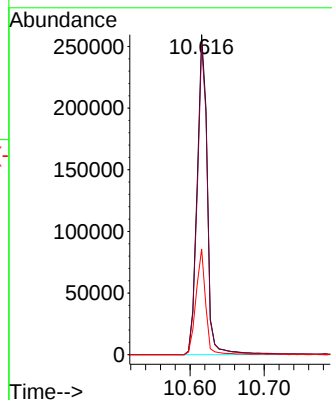
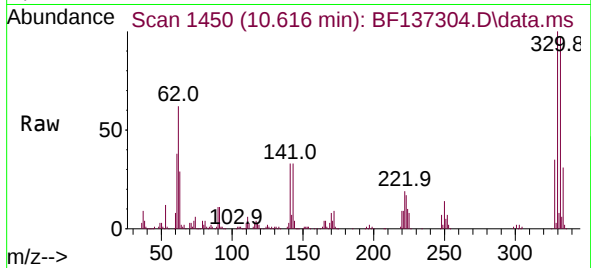




#42  
 2,4,6-Tribromophenol  
 Concen: 167.867 ng  
 RT: 10.616 min Scan# 1451  
 Delta R.T. -0.006 min  
 Lab File: BF137304.D  
 Acq: 06 Feb 2024 21:20

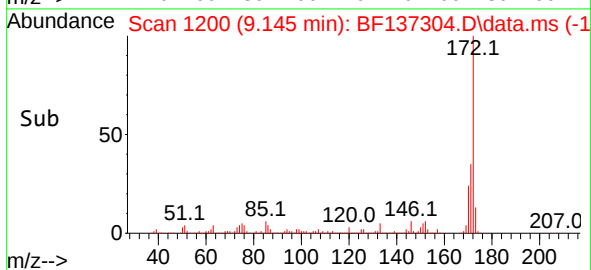
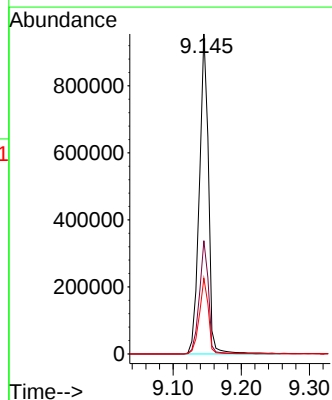
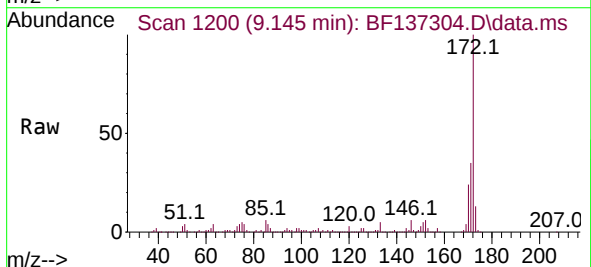
Instrument :  
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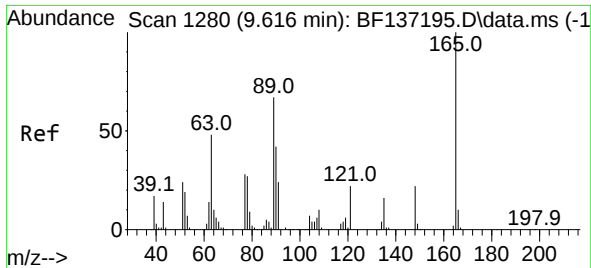
Tgt Ion:330 Resp: 248252  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 77.3 115.9  
 141 31.2 25.2 37.8



#45  
 2-Fluorobiphenyl  
 Concen: 93.315 ng  
 RT: 9.145 min Scan# 1200  
 Delta R.T. -0.006 min  
 Lab File: BF137304.D  
 Acq: 06 Feb 2024 21:20

Tgt Ion:172 Resp: 888899  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 28.3 42.5  
 170 23.6 19.1 28.7

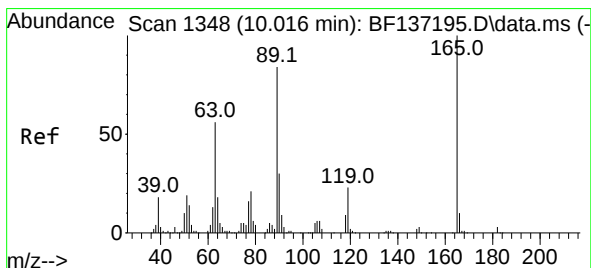
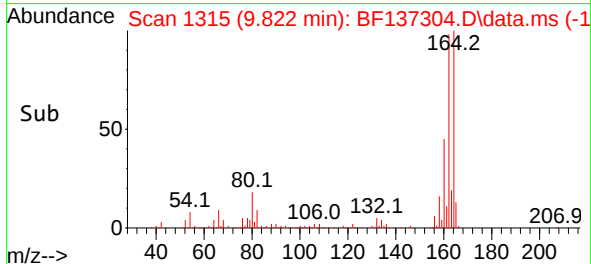
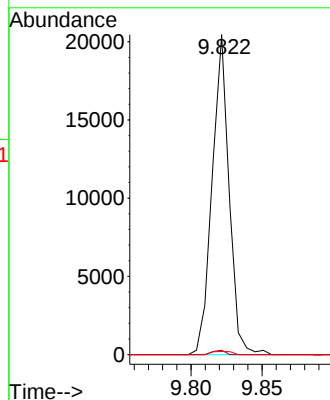
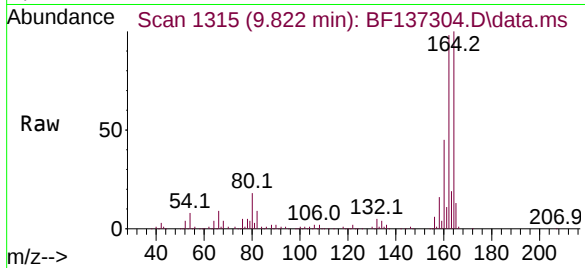




#51  
2,6-Dinitrotoluene  
Concen: 9.016 ng  
RT: 9.822 min Scan# 1315  
Delta R.T. 0.206 min  
Lab File: BF137304.D  
Acq: 06 Feb 2024 21:20

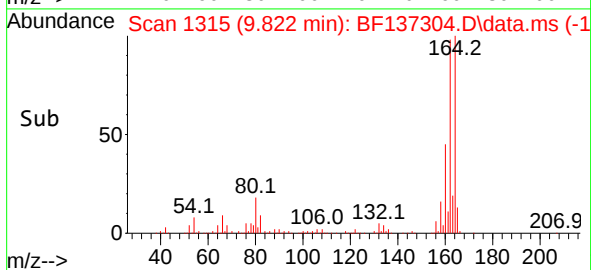
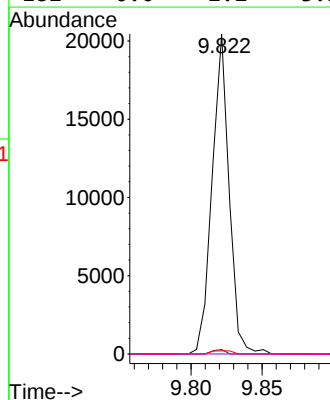
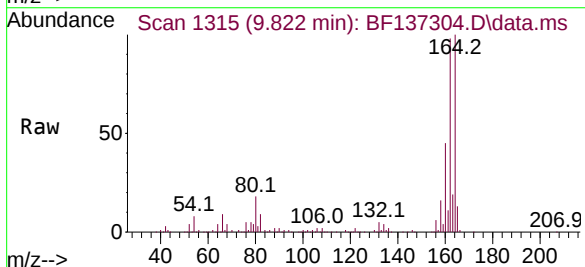
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3

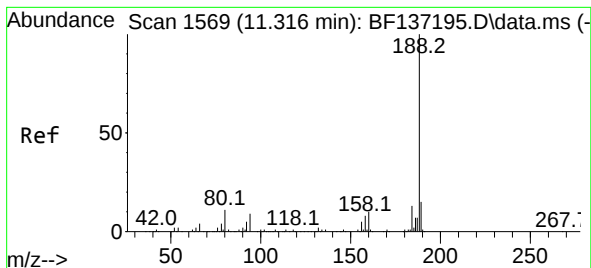
Tgt Ion:165 Resp: 17008  
Ion Ratio Lower Upper  
165 100  
63 1.4 55.1 82.7#  
89 1.0 53.5 80.3#



#57  
2,4-Dinitrotoluene  
Concen: 6.949 ng  
RT: 9.822 min Scan# 1315  
Delta R.T. -0.194 min  
Lab File: BF137304.D  
Acq: 06 Feb 2024 21:20

Tgt Ion:165 Resp: 17008  
Ion Ratio Lower Upper  
165 100  
63 1.4 46.1 69.1#  
89 1.0 67.5 101.3#  
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF137304.D

Acq: 06 Feb 2024 21:20

Instrument :

BNA\_F

ClientSampleId :

TP-3

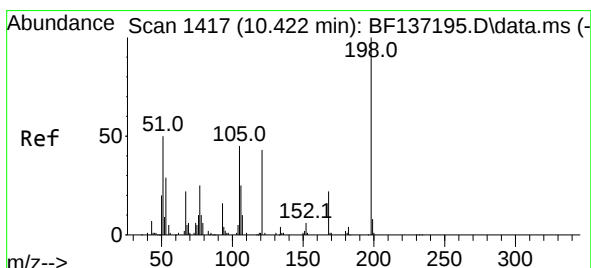
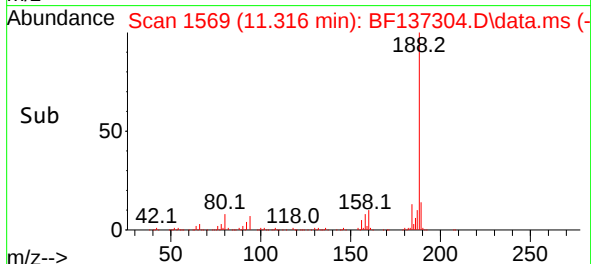
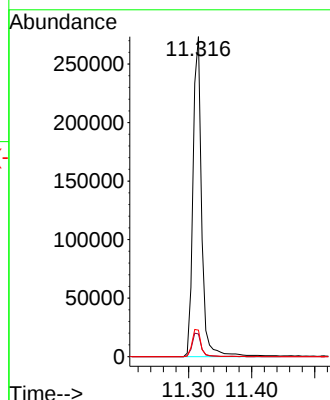
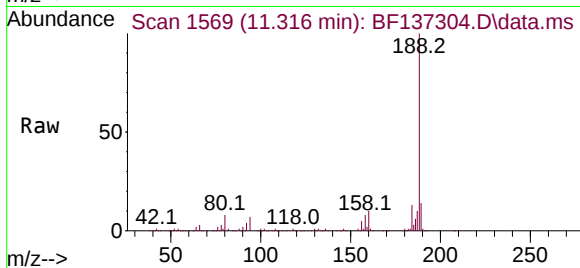
Tgt Ion:188 Resp: 260341

Ion Ratio Lower Upper

188 100

94 7.1 7.0 10.4

80 8.3 8.8 13.2#



#65

4,6-Dinitro-2-methylphenol

Concen: 5.831 ng

RT: 10.616 min Scan# 1450

Delta R.T. 0.194 min

Lab File: BF137304.D

Acq: 06 Feb 2024 21:20

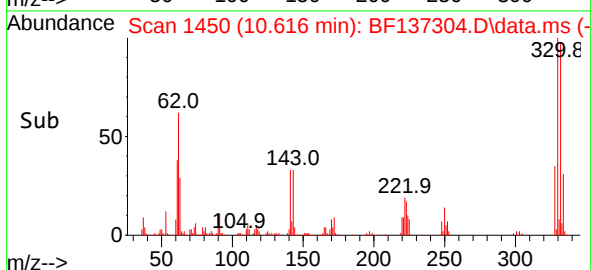
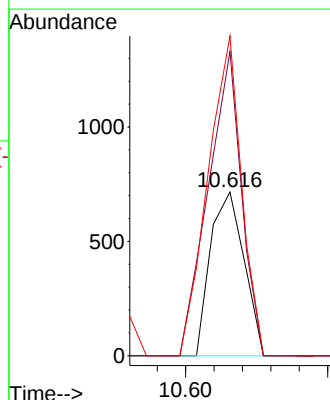
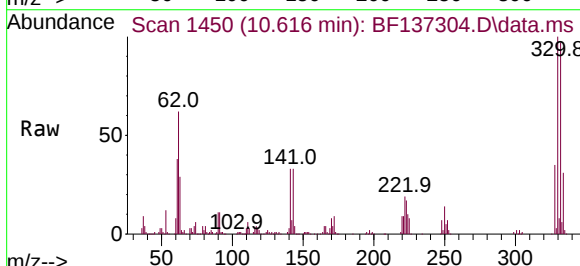
Tgt Ion:198 Resp: 586

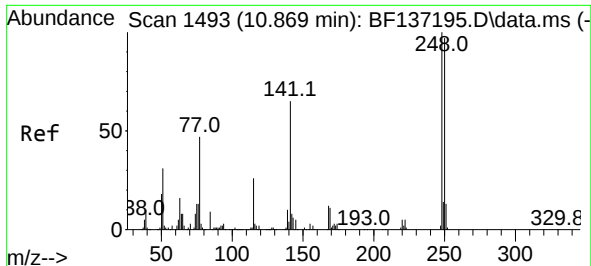
Ion Ratio Lower Upper

198 100

51 185.8 40.9 80.9#

105 195.3 26.5 66.5#

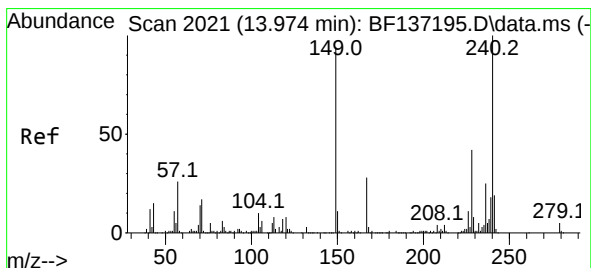
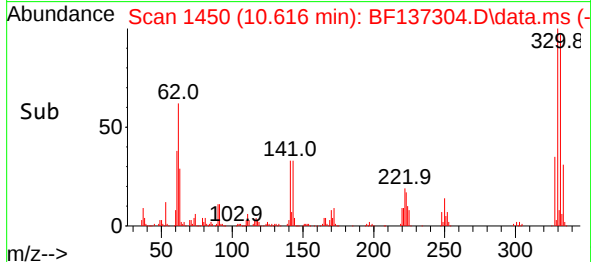
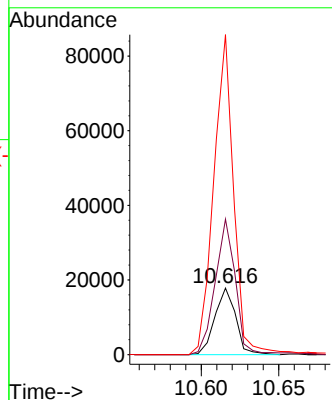
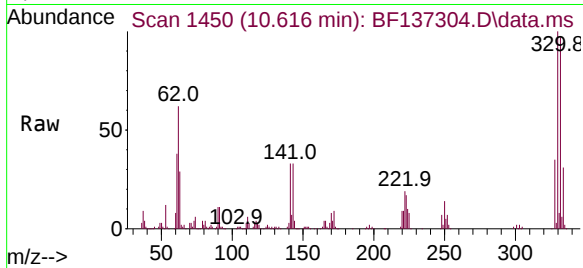




#67  
4-Bromophenyl-phenylether  
Concen: 5.832 ng  
RT: 10.616 min Scan# 14  
Delta R.T. -0.253 min  
Lab File: BF137304.D  
Acq: 06 Feb 2024 21:20

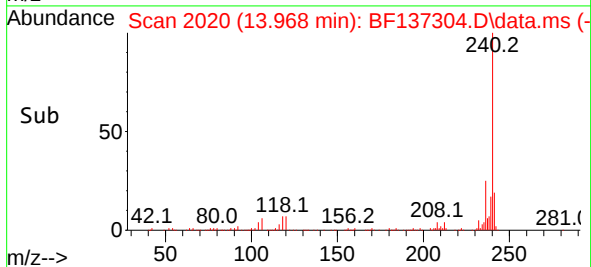
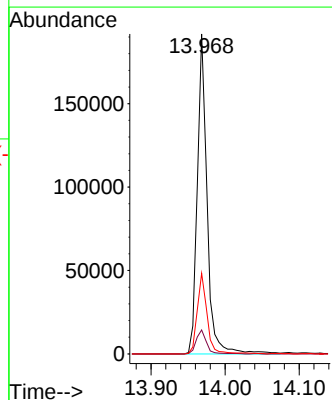
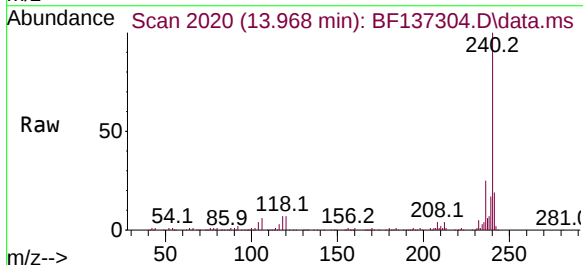
Instrument :  
BNA\_F  
ClientSampleId :  
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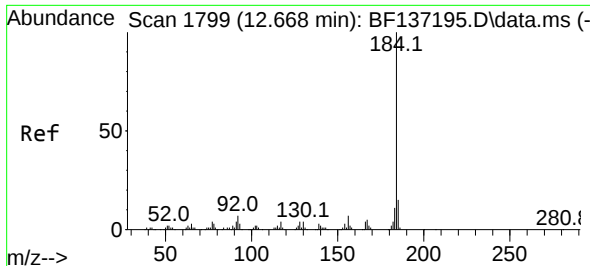
Tgt Ion:248 Resp: 16694  
Ion Ratio Lower Upper  
248 100  
250 203.5 77.7 116.5#  
141 480.9 51.6 77.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. -0.006 min  
Lab File: BF137304.D  
Acq: 06 Feb 2024 21:20

Tgt Ion:240 Resp: 176550  
Ion Ratio Lower Upper  
240 100  
120 7.5 6.3 9.5  
236 25.2 20.3 30.5

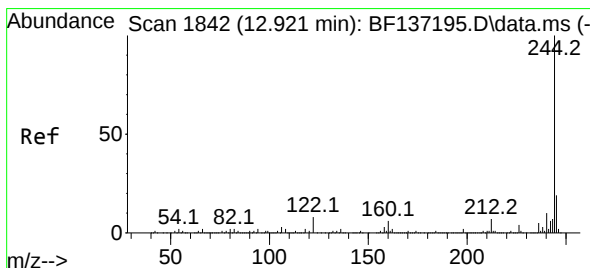
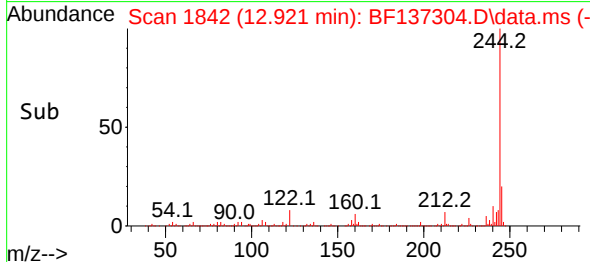
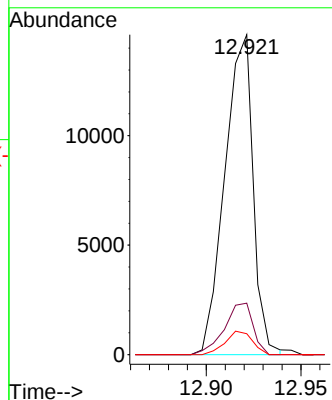
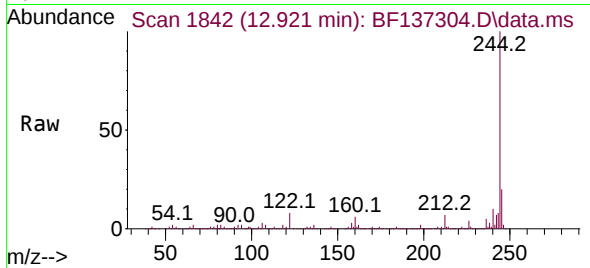




#77  
Benzidine  
Concen: 4.795 ng  
RT: 12.921 min Scan# 1842  
Delta R.T. 0.253 min  
Lab File: BF137304.D  
Acq: 06 Feb 2024 21:20

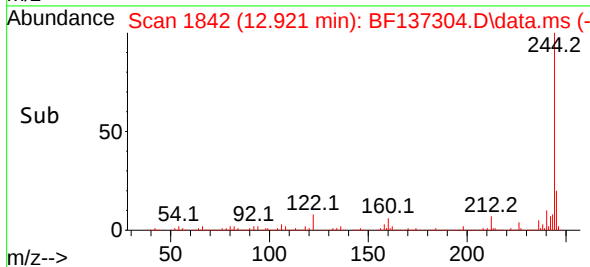
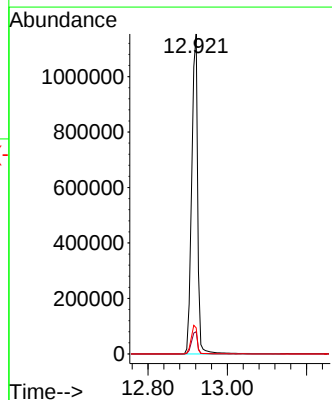
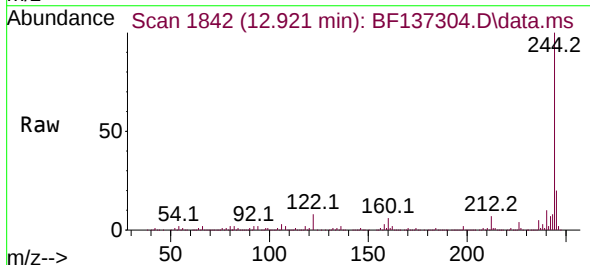
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3

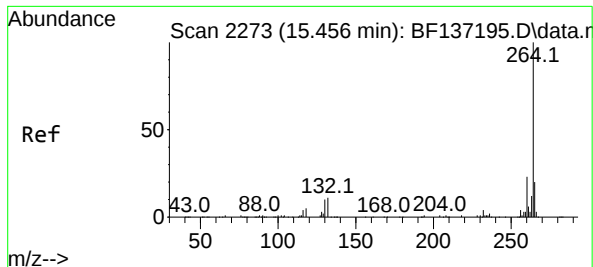
Tgt Ion:184 Resp: 15158  
Ion Ratio Lower Upper  
184 100  
185 16.1 11.9 17.9  
183 6.5 8.8 13.2#



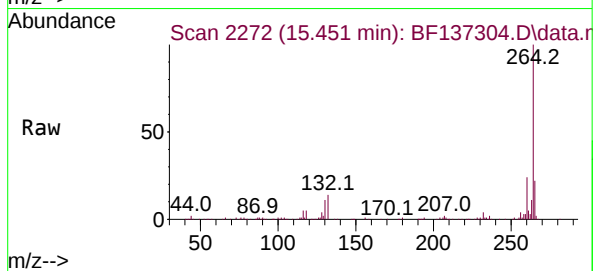
#79  
Terphenyl-d14  
Concen: 93.032 ng  
RT: 12.921 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: BF137304.D  
Acq: 06 Feb 2024 21:20

Tgt Ion:244 Resp: 1208204  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.5 8.3  
122 8.1 6.2 9.4





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.451 min Scan# 2272  
Delta R.T. -0.006 min  
Lab File: BF137304.D  
Acq: 06 Feb 2024 21:20



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 264   | Resp: | 15388 |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 23.7  | 18.2  | 27.4  |
| 265       | 21.6  | 16.2  | 24.2  |

Instrument :

BNA\_F

ClientSampleId :

TP-3

