

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010523\  
 Data File : BF131924.D  
 Acq On : 05 Jan 2023 20:05  
 Operator : CG\JU  
 Sample : 01009-02  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-4

Quant Time: Jan 06 03:14:06 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 06 03:02:38 2023  
 Response via : Initial Calibration

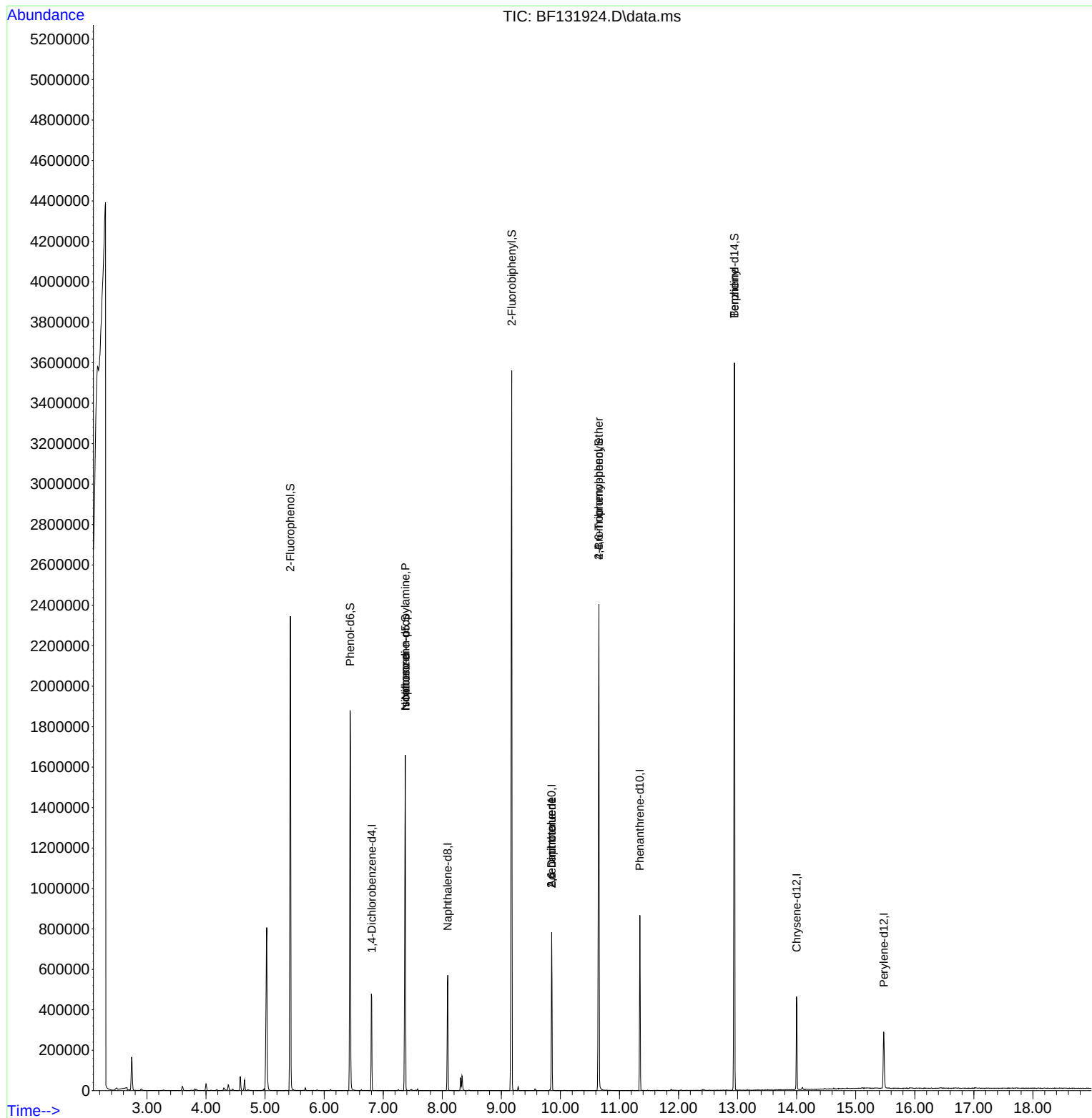
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.804  | 152  | 67769    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.092  | 136  | 251930   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.851  | 164  | 150001   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.345 | 188  | 290867   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.998 | 240  | 152336   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.474 | 264  | 137466   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 574481   | 140.483 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.440  | 99   | 679551   | 126.484 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.375  | 82   | 591453   | 93.733  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.651 | 330  | 264679   | 162.403 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.175  | 172  | 1064245  | 97.181  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.945 | 244  | 1244892  | 138.231 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.375  | 70   | 82112    | 21.640  | ng    | # 80     |
| 25) Isophorone                | 7.375  | 82   | 591445   | 57.396  | ng    | # 69     |
| 51) 2,6-Dinitrotoluene        | 9.851  | 165  | 19092    | 7.772   | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.851  | 165  | 19092    | 5.683   | ng    | # 16     |
| 67) 4-Bromophenyl-phenylether | 10.651 | 248  | 18287    | 5.425   | ng    | # 1      |
| 77) Benzidine                 | 12.945 | 184  | 18694    | 7.467   | ng    | # 91     |
| -----                         |        |      |          |         |       |          |

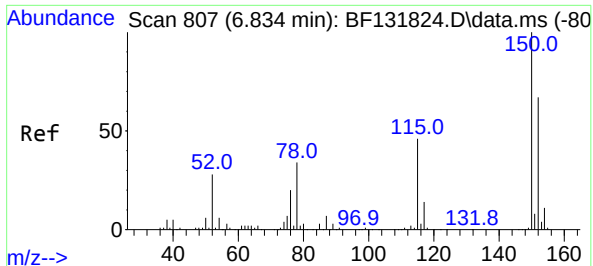
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010523\  
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Misc :  
ALS Vial : 12 Sample Multiplier: 1

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BNA\_F  
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TP-4

Quant Time: Jan 06 03:14:06 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jan 06 03:02:38 2023  
Response via : Initial Calibration

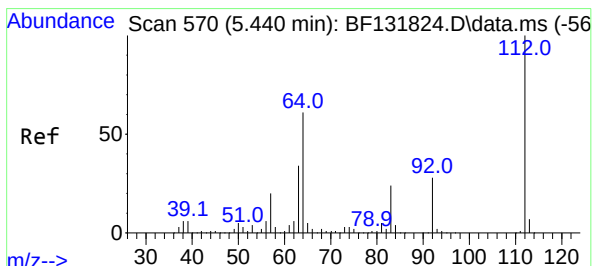
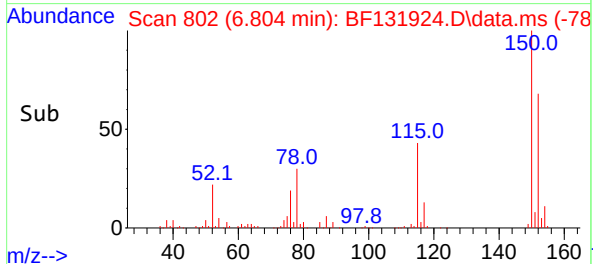
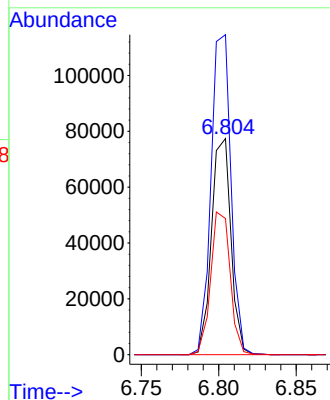
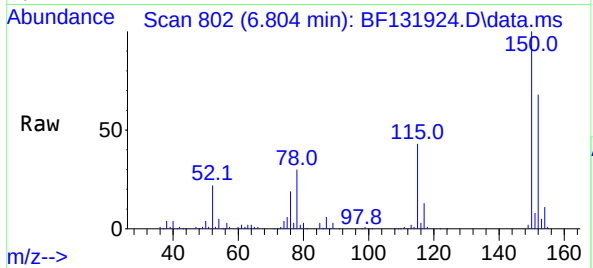




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.804 min Scan# 807  
Delta R.T. 0.000 min  
Lab File: BF131924.D  
Acq: 05 Jan 2023 20:05

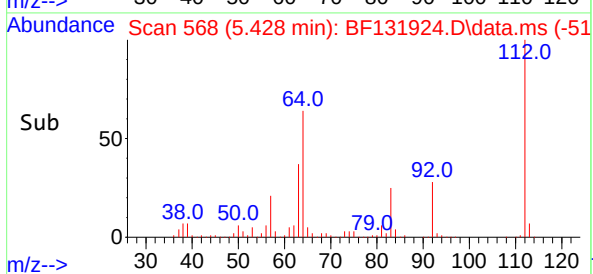
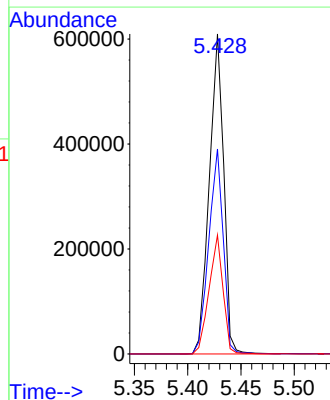
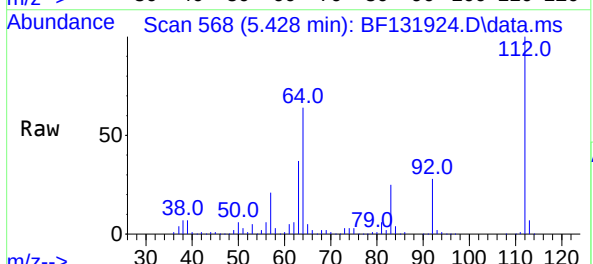
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BNA\_F  
ClientSampleId :  
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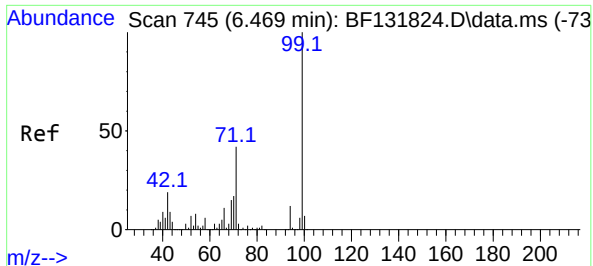
Tgt Ion:152 Resp: 67769  
Ion Ratio Lower Upper  
152 100  
150 148.0 120.0 180.0  
115 63.0 55.1 82.7



#5  
2-Fluorophenol  
Concen: 140.483 ng  
RT: 5.428 min Scan# 568  
Delta R.T. 0.024 min  
Lab File: BF131924.D  
Acq: 05 Jan 2023 20:05

Tgt Ion:112 Resp: 574481  
Ion Ratio Lower Upper  
112 100  
64 64.1 49.2 73.8  
63 37.1 27.5 41.3

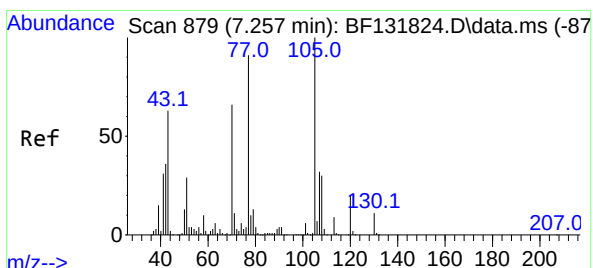
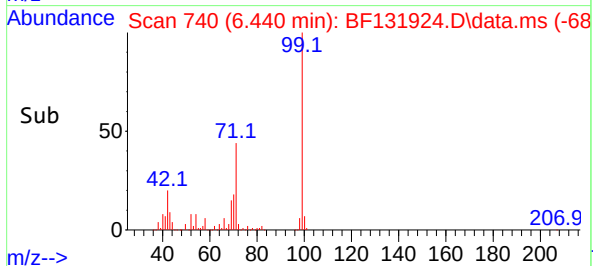
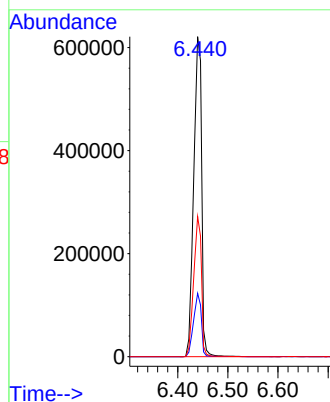
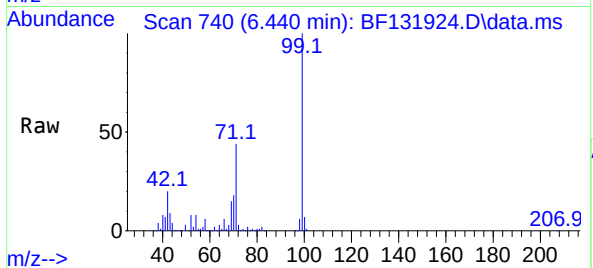




#7  
Phenol-d6  
Concen: 126.484 ng  
RT: 6.440 min Scan# 745  
Delta R.T. 0.000 min  
Lab File: BF131924.D  
Acq: 05 Jan 2023 20:05

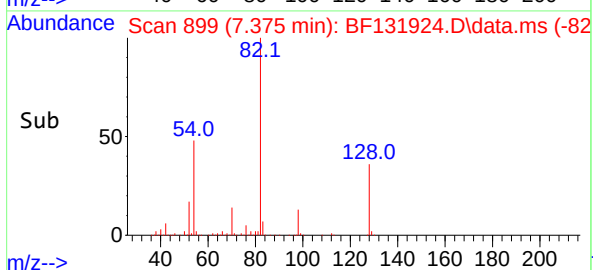
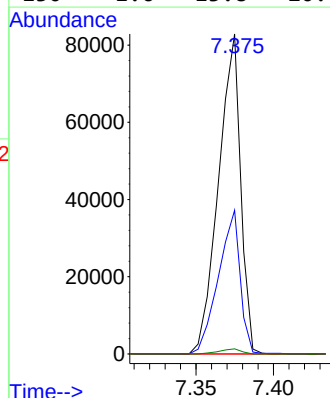
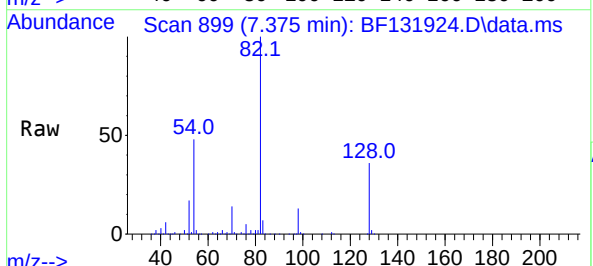
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4

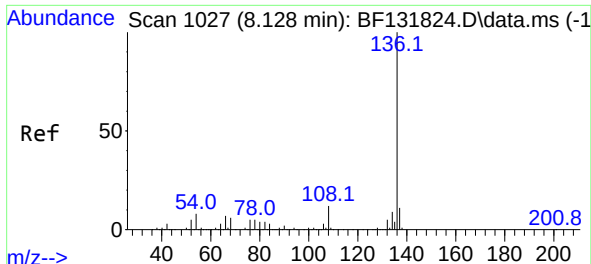
Tgt Ion: 99 Resp: 679551  
Ion Ratio Lower Upper  
99 100  
42 19.8 15.3 22.9  
71 43.8 33.5 50.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 21.640 ng  
RT: 7.375 min Scan# 899  
Delta R.T. 0.147 min  
Lab File: BF131924.D  
Acq: 05 Jan 2023 20:05

Tgt Ion: 70 Resp: 82112  
Ion Ratio Lower Upper  
70 100  
42 44.9 43.8 65.6  
101 0.0 7.4 11.0#  
130 1.6 13.8 20.6#



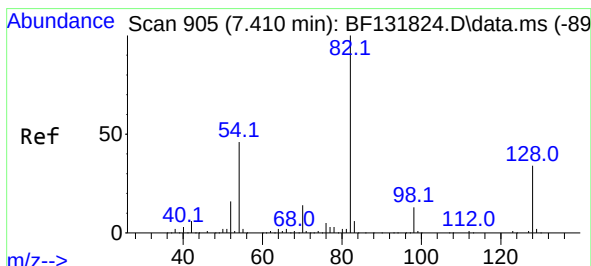
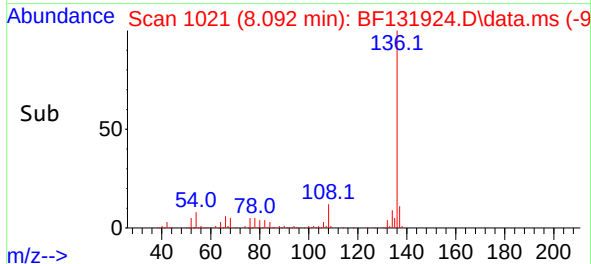
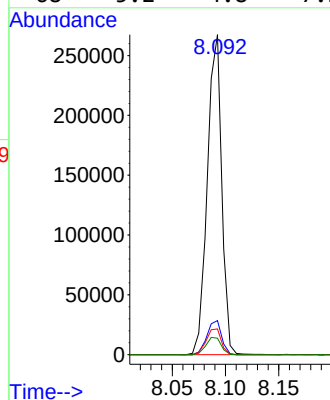
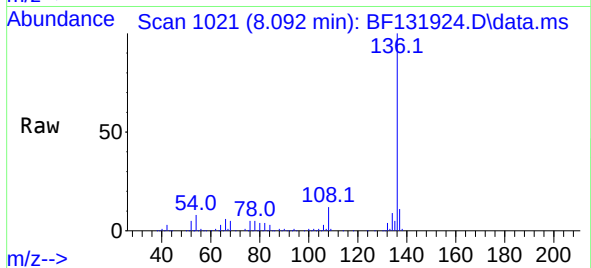


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.092 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: BF131924.D  
Acq: 05 Jan 2023 20:05

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:136 Resp: 251930

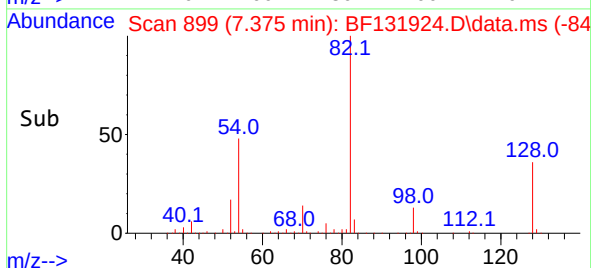
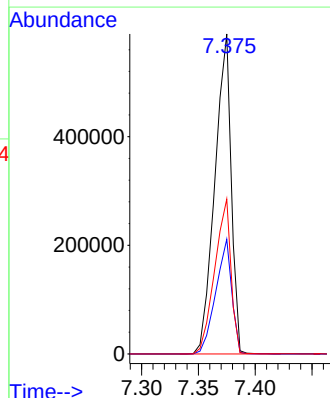
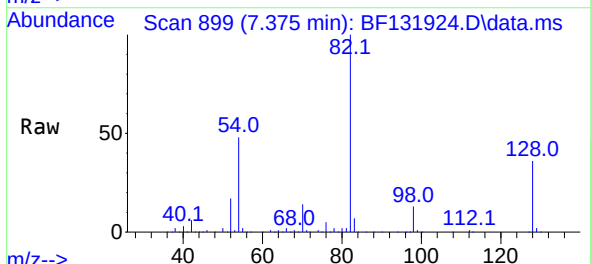
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.6  | 8.6   | 12.8  |
| 54  | 8.0   | 6.7   | 10.1  |
| 68  | 5.2   | 4.8   | 7.2   |

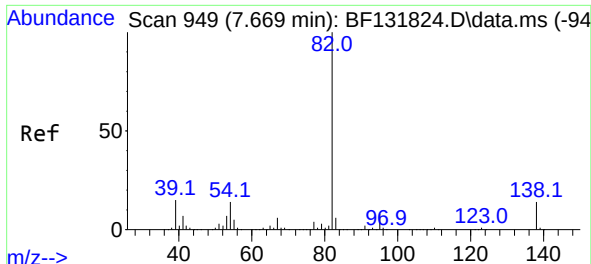


#23  
Nitrobenzene-d5  
Concen: 93.733 ng  
RT: 7.375 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: BF131924.D  
Acq: 05 Jan 2023 20:05

Tgt Ion: 82 Resp: 591453

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 35.8  | 27.1  | 40.7  |
| 54  | 48.4  | 37.0  | 55.6  |

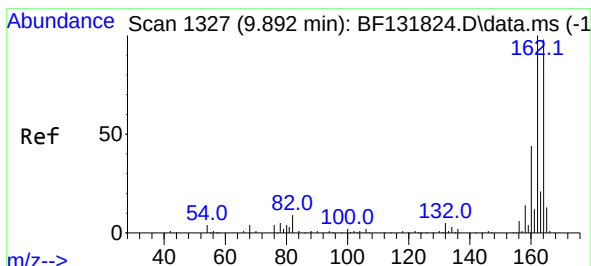
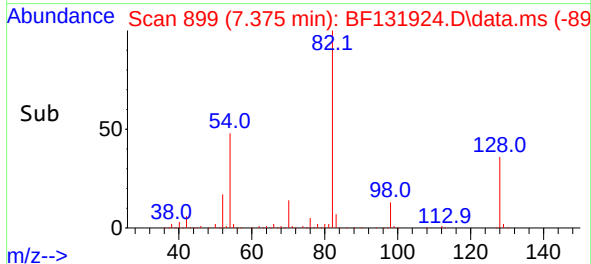
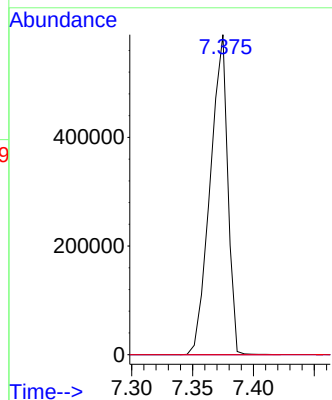
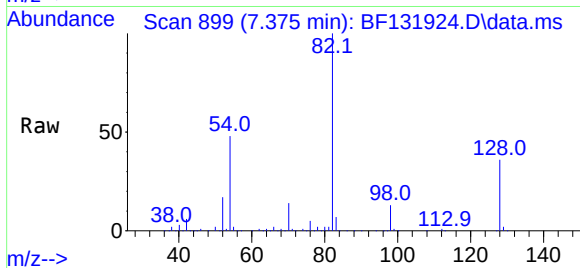




#25  
Isophorone  
Concen: 57.396 ng  
RT: 7.375 min Scan# 89  
Delta R.T. -0.259 min  
Lab File: BF131924.D  
Acq: 05 Jan 2023 20:05

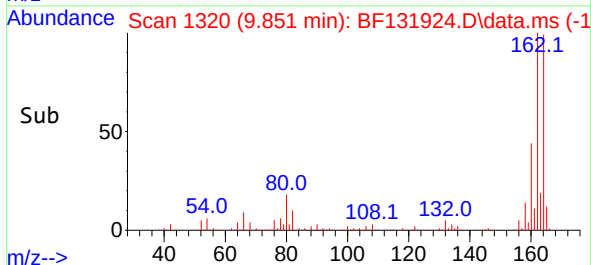
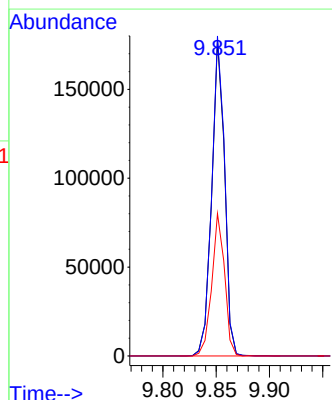
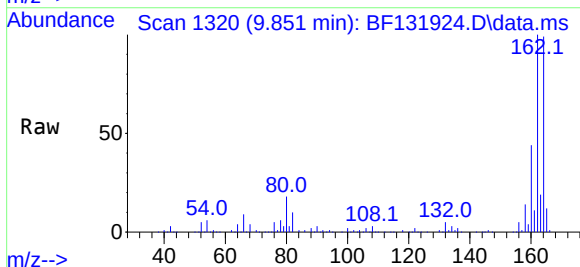
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4

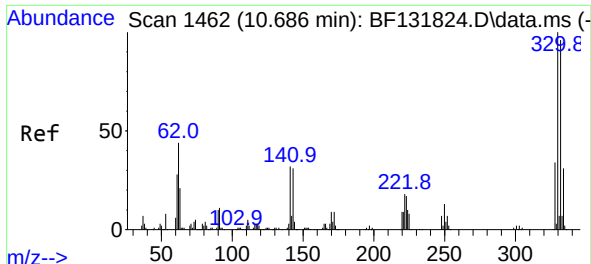
Tgt Ion: 82 Resp: 591445  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.2 9.4#  
138 0.0 11.5 17.3#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.851 min Scan# 1320  
Delta R.T. -0.006 min  
Lab File: BF131924.D  
Acq: 05 Jan 2023 20:05

Tgt Ion:164 Resp: 150001  
Ion Ratio Lower Upper  
164 100  
162 101.4 81.8 122.6  
160 45.1 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 162.403 ng

RT: 10.651 min Scan# 1462

Delta R.T. 0.000 min

Lab File: BF131924.D

Acq: 05 Jan 2023 20:05

Instrument :

BNA\_F

ClientSampleId :

TP-4

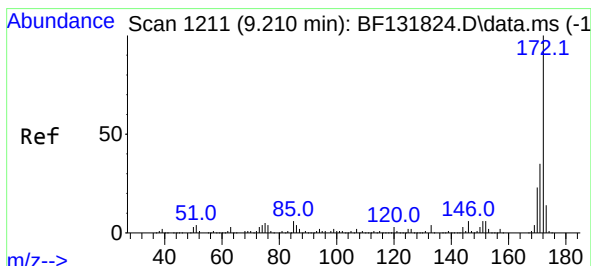
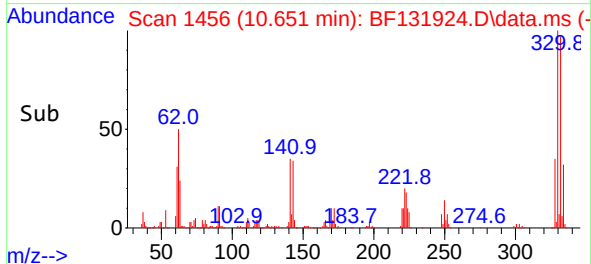
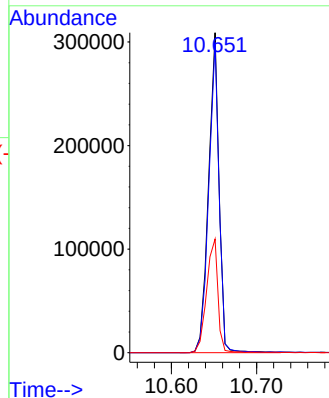
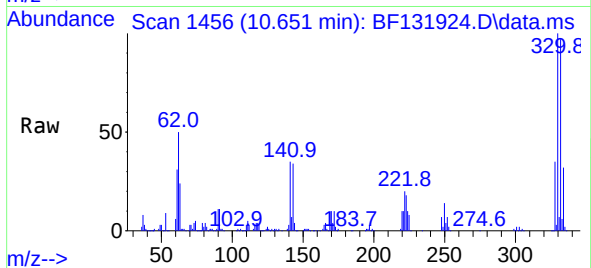
Tgt Ion:330 Resp: 264679

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.4

141 38.6 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 97.181 ng

RT: 9.175 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF131924.D

Acq: 05 Jan 2023 20:05

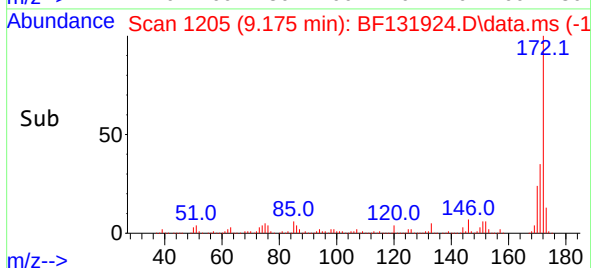
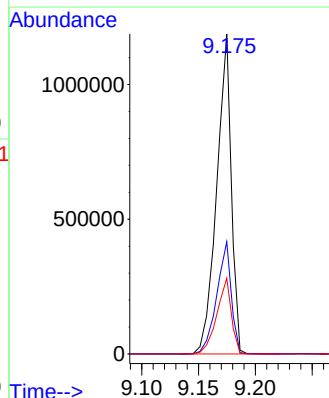
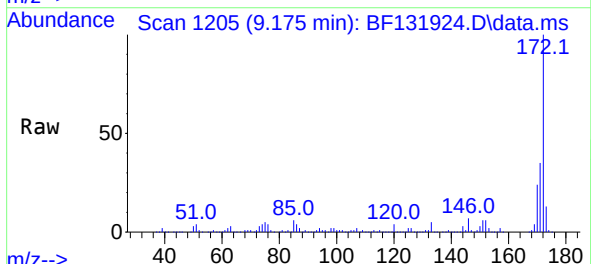
Tgt Ion:172 Resp: 1064245

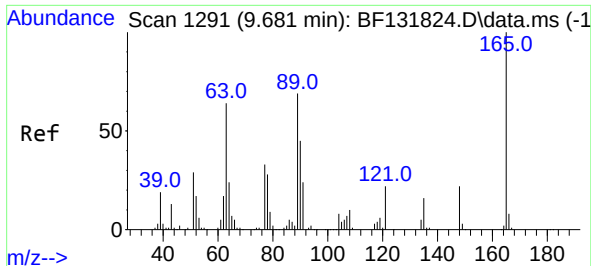
Ion Ratio Lower Upper

172 100

171 35.1 27.9 41.9

170 23.7 18.7 28.1

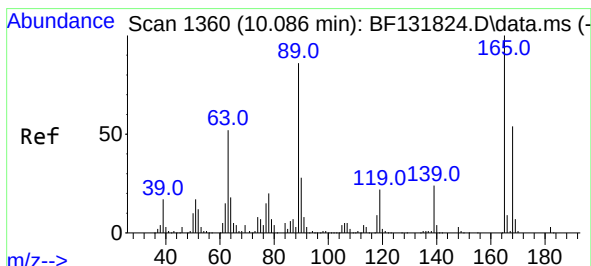
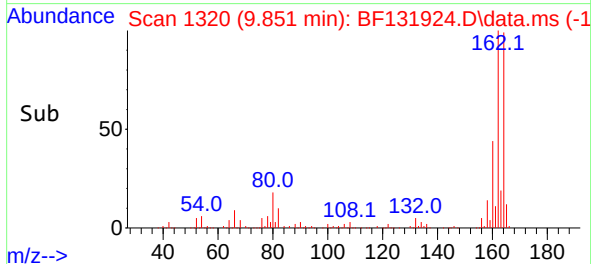
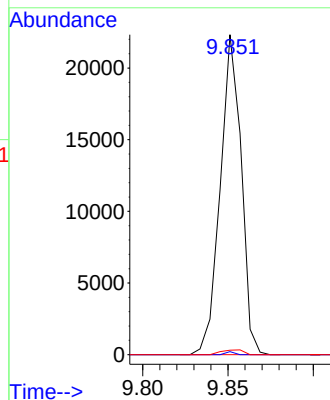
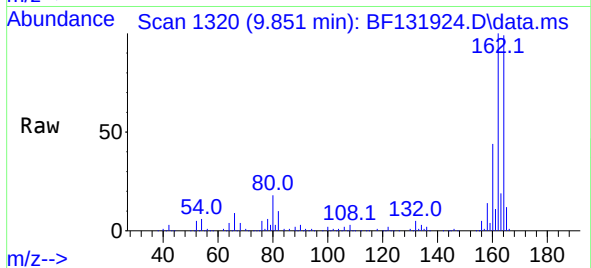




#51  
2,6-Dinitrotoluene  
Concen: 7.772 ng  
RT: 9.851 min Scan# 11  
Delta R.T. 0.200 min  
Lab File: BF131924.D  
Acq: 05 Jan 2023 20:05

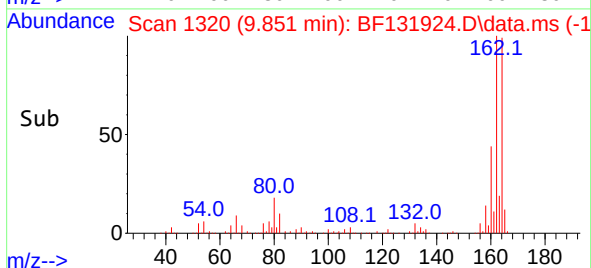
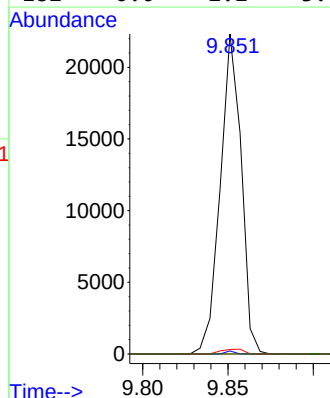
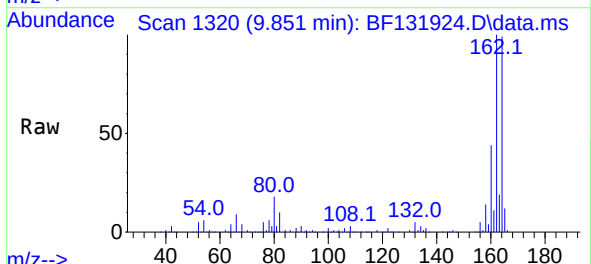
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:165 Resp: 19092  
Ion Ratio Lower Upper  
165 100  
63 0.9 55.1 82.7#  
89 1.4 55.0 82.4#

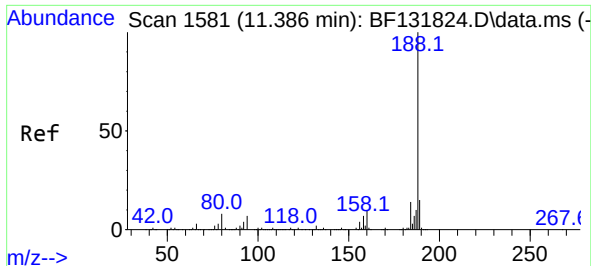


#57  
2,4-Dinitrotoluene  
Concen: 5.683 ng  
RT: 9.851 min Scan# 1320  
Delta R.T. -0.206 min  
Lab File: BF131924.D  
Acq: 05 Jan 2023 20:05

Tgt Ion:165 Resp: 19092  
Ion Ratio Lower Upper  
165 100  
63 0.9 42.1 63.1#  
89 1.4 69.1 103.7#  
182 0.0 2.2 3.4#



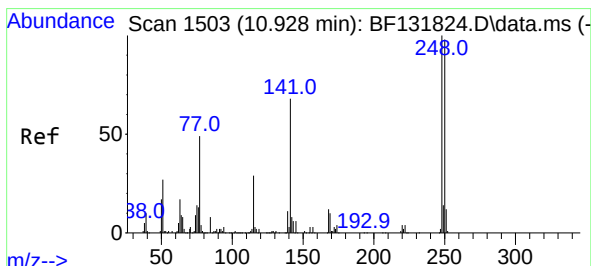
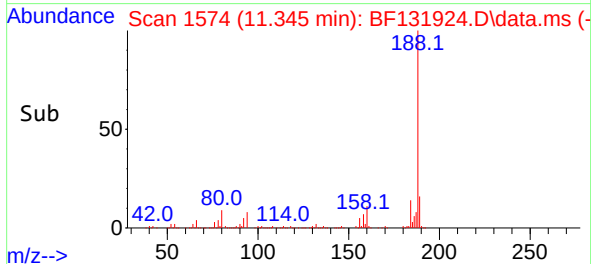
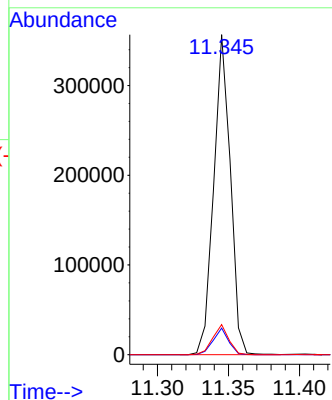
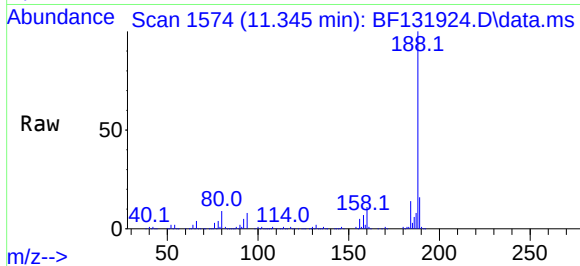




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.345 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF131924.D  
Acq: 05 Jan 2023 20:05

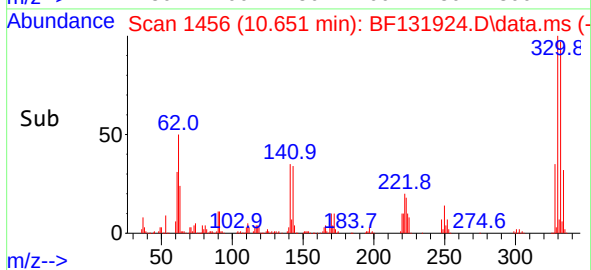
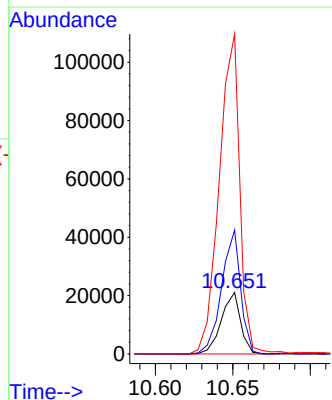
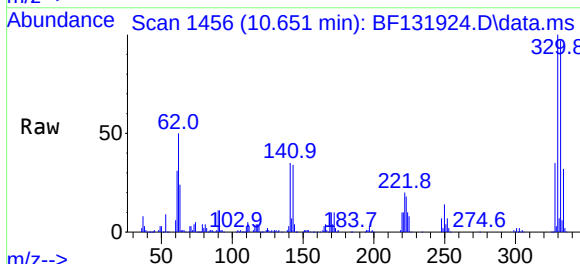
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4

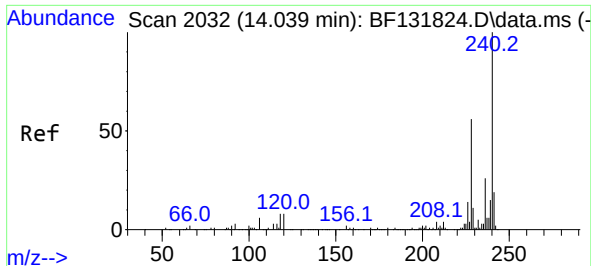
Tgt Ion:188 Resp: 290867  
Ion Ratio Lower Upper  
188 100  
94 8.3 5.8 8.6  
80 9.4 6.7 10.1



#67  
4-Bromophenyl-phenylether  
Concen: 5.425 ng  
RT: 10.651 min Scan# 1456  
Delta R.T. -0.241 min  
Lab File: BF131924.D  
Acq: 05 Jan 2023 20:05

Tgt Ion:248 Resp: 18287  
Ion Ratio Lower Upper  
248 100  
250 201.6 78.0 117.0#  
141 520.1 54.8 82.2#

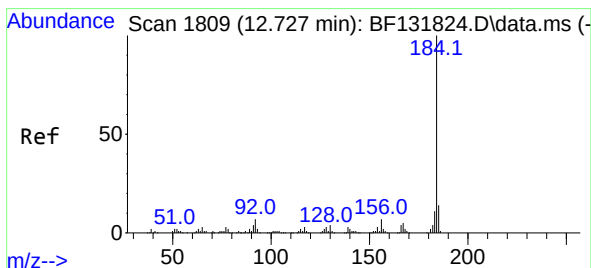
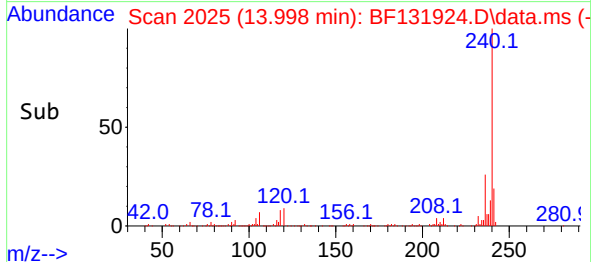
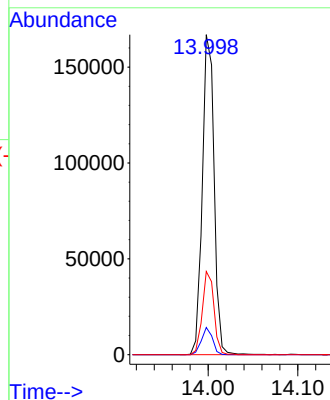
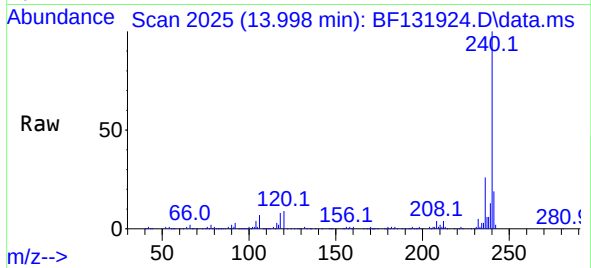




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.998 min Scan# 2032  
Delta R.T. -0.012 min  
Lab File: BF131924.D  
Acq: 05 Jan 2023 20:05

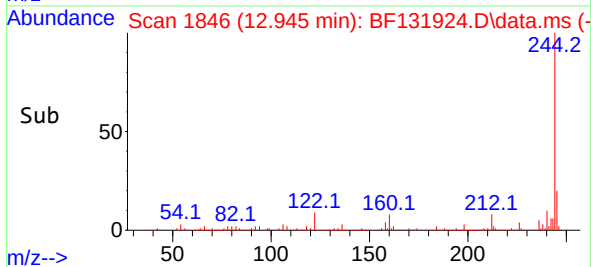
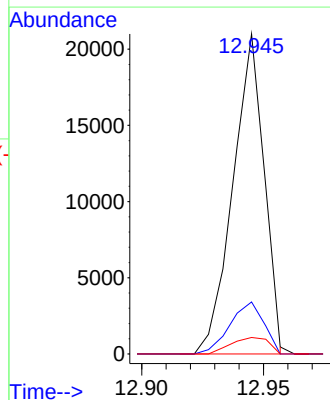
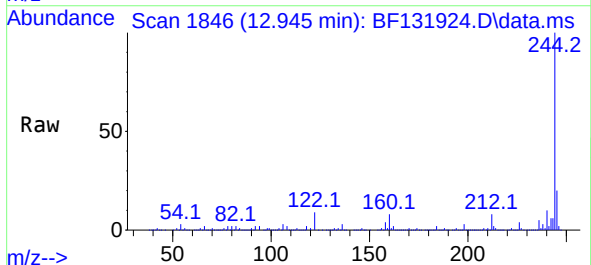
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4

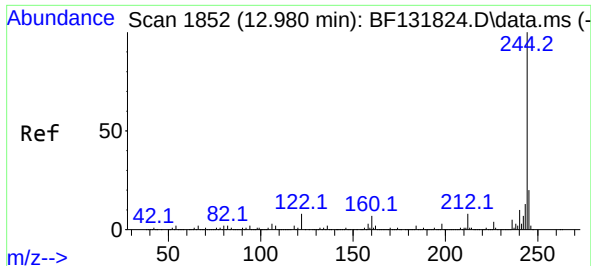
Tgt Ion:240 Resp: 152336  
Ion Ratio Lower Upper  
240 100  
120 8.5 6.7 10.1  
236 26.0 20.6 31.0



#77  
Benzidine  
Concen: 7.467 ng  
RT: 12.945 min Scan# 1846  
Delta R.T. 0.253 min  
Lab File: BF131924.D  
Acq: 05 Jan 2023 20:05

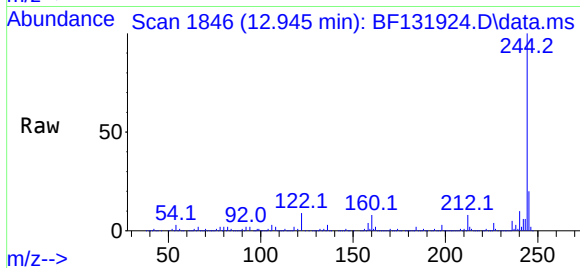
Tgt Ion:184 Resp: 18694  
Ion Ratio Lower Upper  
184 100  
185 16.2 11.6 17.4  
183 5.2 9.0 13.4





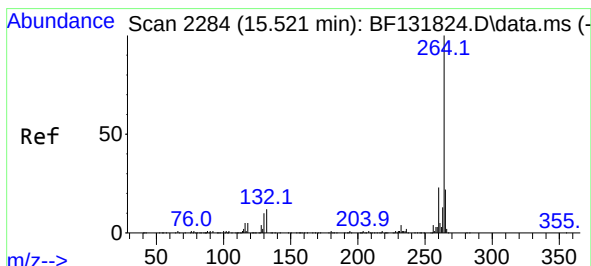
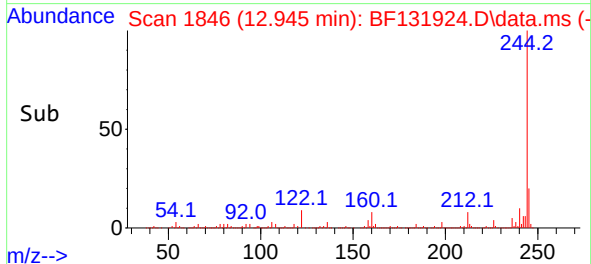
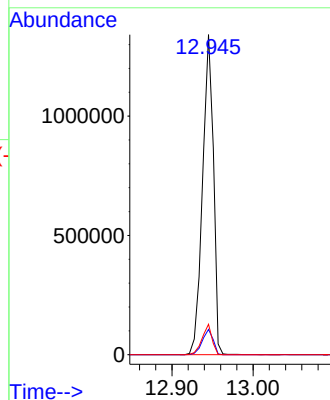
#79  
 Terphenyl-d14  
 Concen: 138.231 ng  
 RT: 12.945 min Scan# 1846  
 Delta R.T. 0.000 min  
 Lab File: BF131924.D  
 Acq: 05 Jan 2023 20:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-4



Tgt Ion:244 Resp: 1244892

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.9   | 6.3   | 9.5   |
| 122 | 9.5   | 6.4   | 9.6   |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.474 min Scan# 2276  
 Delta R.T. -0.006 min  
 Lab File: BF131924.D  
 Acq: 05 Jan 2023 20:05

Tgt Ion:264 Resp: 137466

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.0  | 18.6  | 28.0  |
| 265 | 21.1  | 17.4  | 26.0  |

