

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101321\  
 Data File : BF125823.D  
 Acq On : 13 Oct 2021 13:11  
 Operator : JU/CG  
 Sample : M4127-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHRT-27051

Quant Time: Oct 14 01:18:44 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF100721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 13 13:23:32 2021  
 Response via : Initial Calibration

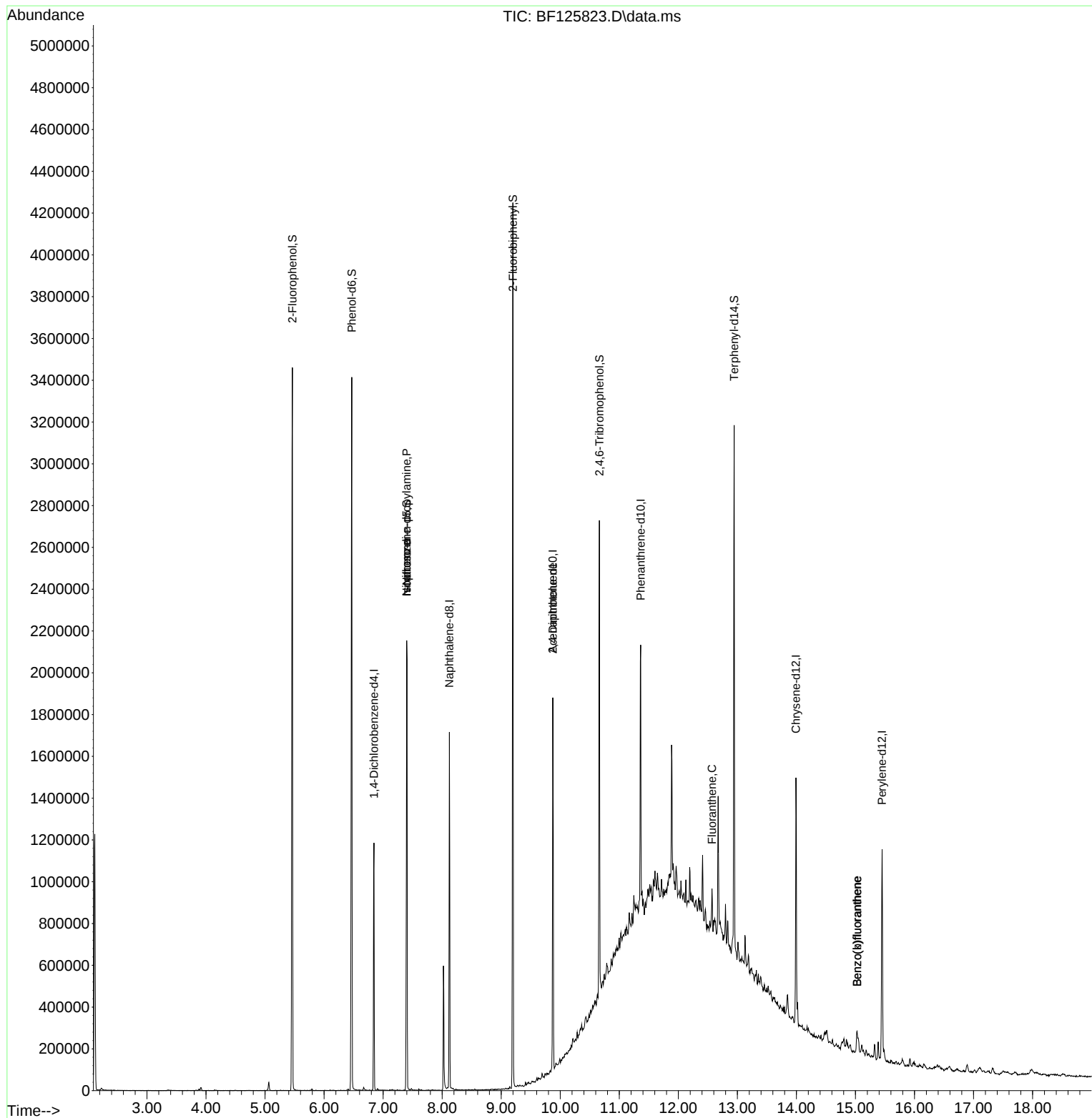
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.845  | 152  | 180802   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 713288   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.875  | 164  | 341712   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.363 | 188  | 486025   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.992 | 240  | 391274   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.451 | 264  | 431550   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.463  | 112  | 1071678  | 96.831 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.469  | 99   | 1273989  | 89.418 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.398  | 82   | 754585   | 65.759 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.663 | 330  | 287000   | 85.068 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 1229308  | 62.050 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.945 | 244  | 831518   | 32.371 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.398  | 70   | 95010    | 12.632 | ng    | # 52     |
| 25) Isophorone                | 7.398  | 82   | 754569   | 37.117 | ng    | # 59     |
| 57) 2,4-Dinitrotoluene        | 9.875  | 165  | 45486    | 7.912  | ng    | # 19     |
| 75) Fluoranthene              | 12.569 | 202  | 72605    | 3.094  | ng    | 91       |
| 88) Benzo(b)fluoranthene      | 15.027 | 252  | 78176    | 3.209  | ng    | 95       |
| 89) Benzo(k)fluoranthene      | 15.027 | 252  | 78176    | 3.125  | ng    | # 94     |
| -----                         |        |      |          |        |       |          |

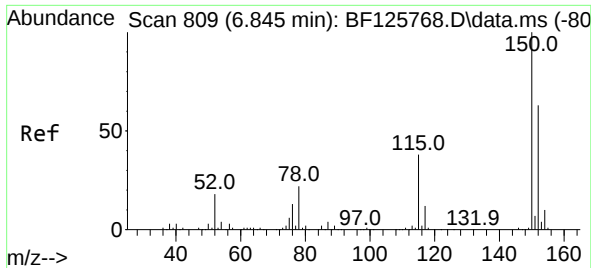
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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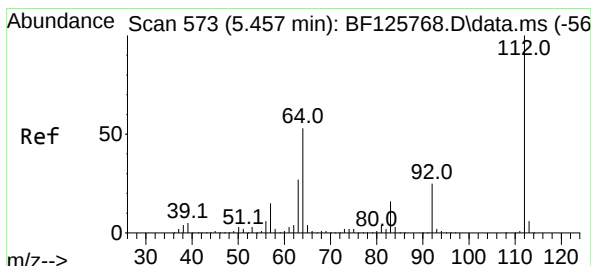
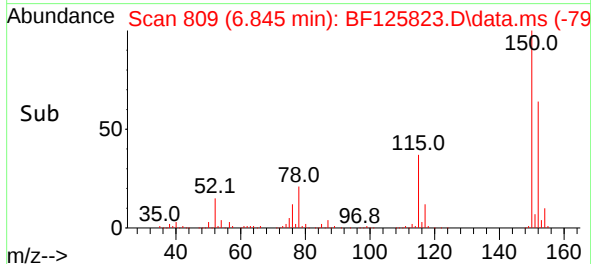
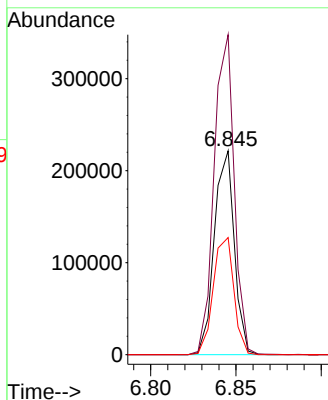
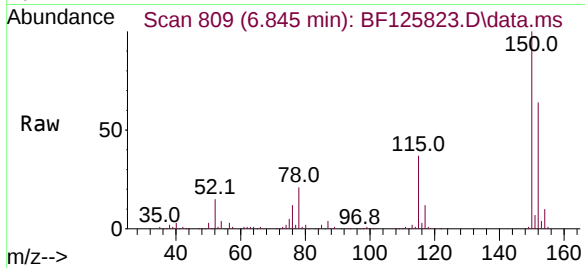




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.845 min Scan# 809  
Delta R.T. 0.000 min  
Lab File: BF125823.D  
Acq: 13 Oct 2021 13:11

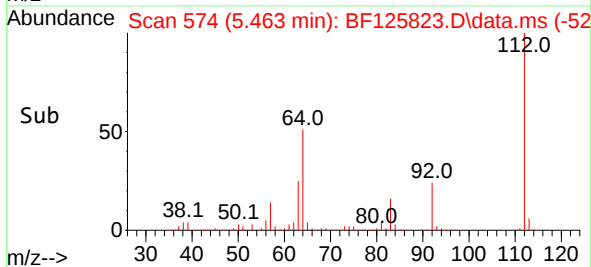
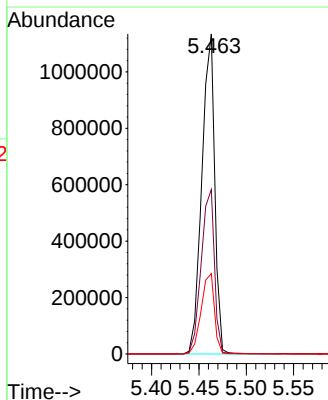
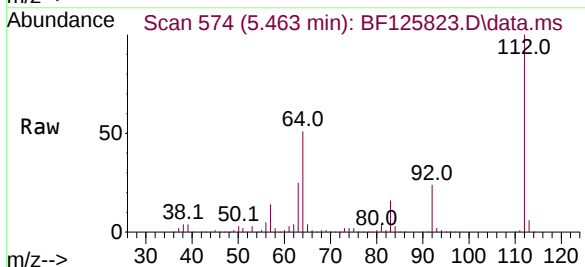
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ClientSampleId :  
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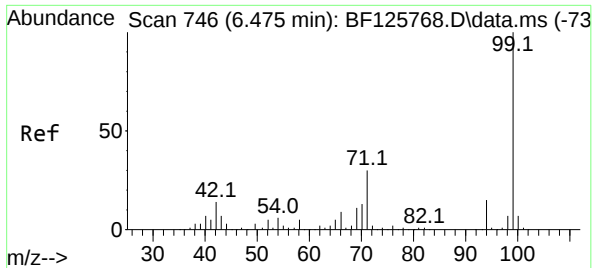
Tgt Ion:152 Resp: 180802  
Ion Ratio Lower Upper  
152 100  
150 157.0 117.6 176.4  
115 57.5 47.1 70.7



#5  
2-Fluorophenol  
Concen: 96.831 ng  
RT: 5.463 min Scan# 574  
Delta R.T. -0.000 min  
Lab File: BF125823.D  
Acq: 13 Oct 2021 13:11

Tgt Ion:112 Resp: 1071678  
Ion Ratio Lower Upper  
112 100  
64 51.3 44.2 66.2  
63 25.1 26.2 39.2#

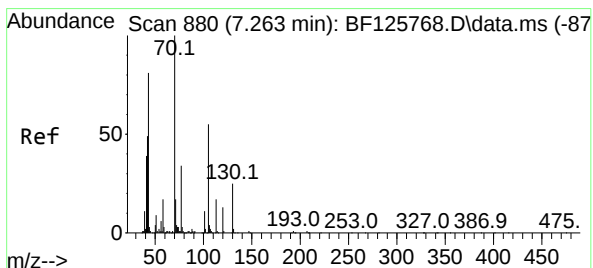
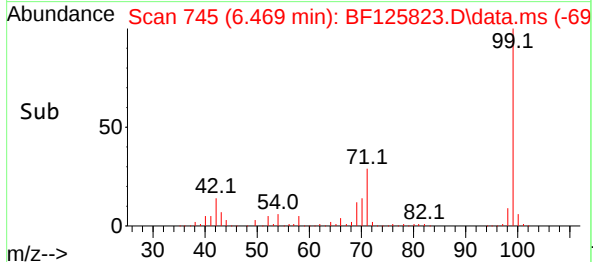
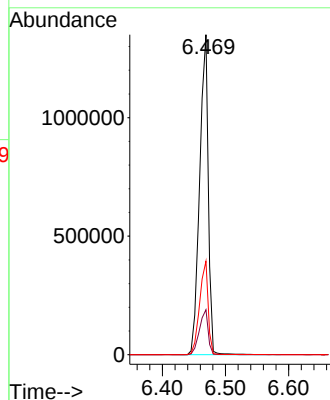
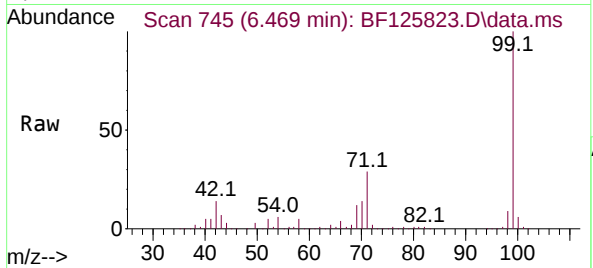




#7  
Phenol-d6  
Concen: 89.418 ng  
RT: 6.469 min Scan# 745  
Delta R.T. -0.006 min  
Lab File: BF125823.D  
Acq: 13 Oct 2021 13:11

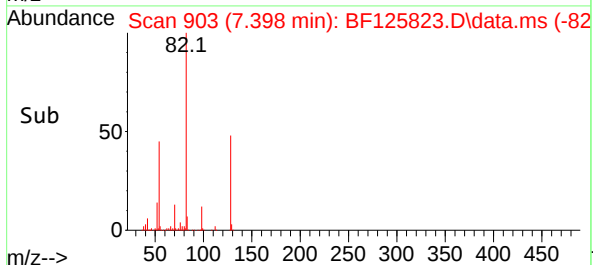
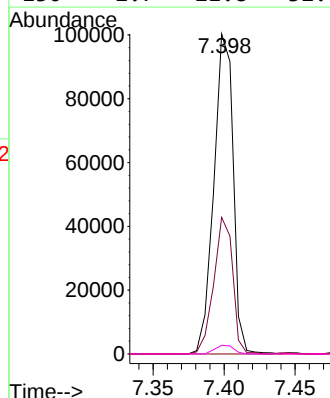
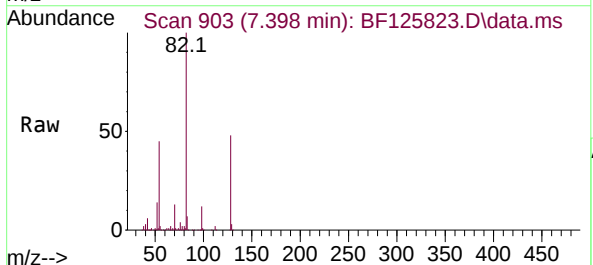
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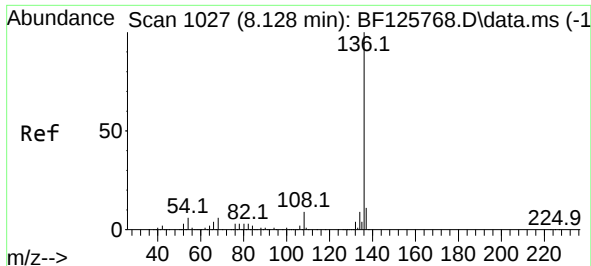
Tgt Ion: 99 Resp: 1273989  
Ion Ratio Lower Upper  
99 100  
42 14.1 23.5 35.3#  
71 29.2 25.6 38.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.632 ng  
RT: 7.398 min Scan# 903  
Delta R.T. 0.135 min  
Lab File: BF125823.D  
Acq: 13 Oct 2021 13:11

Tgt Ion: 70 Resp: 95010  
Ion Ratio Lower Upper  
70 100  
42 42.7 72.2 108.2#  
101 0.0 7.8 11.8#  
130 2.7 21.8 32.6#

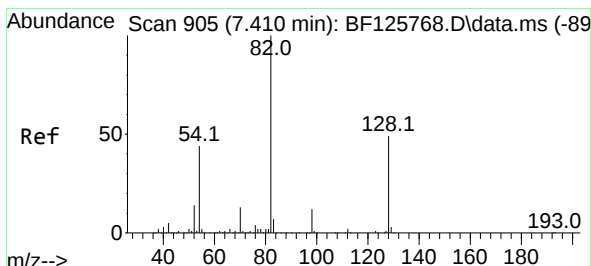
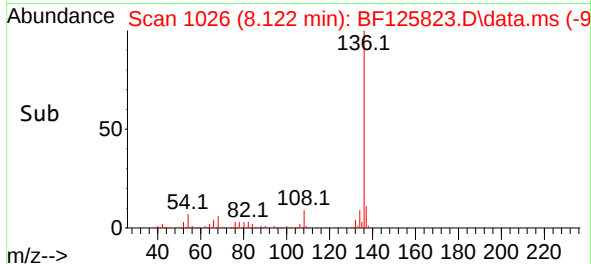
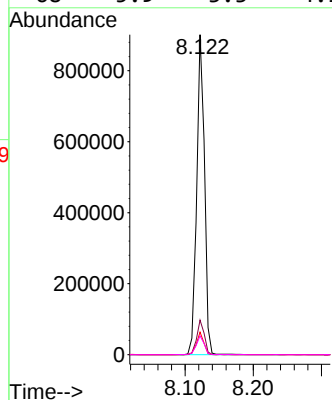
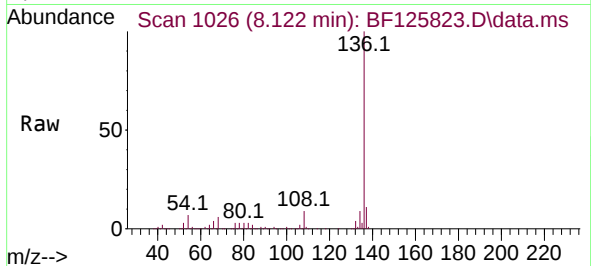




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 1026  
Delta R.T. -0.006 min  
Lab File: BF125823.D  
Acq: 13 Oct 2021 13:11

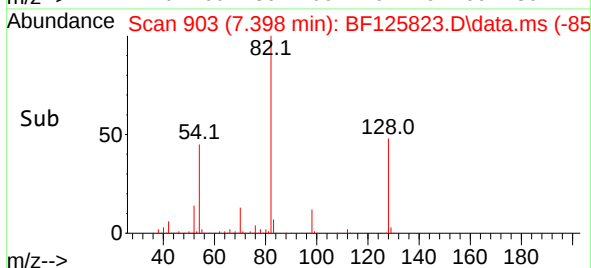
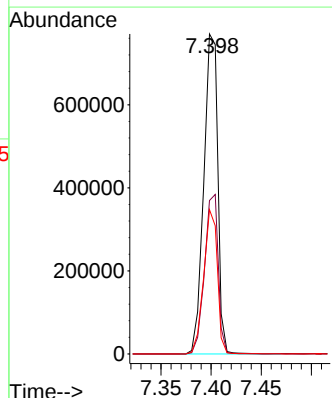
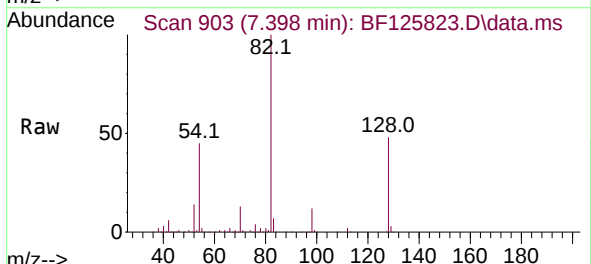
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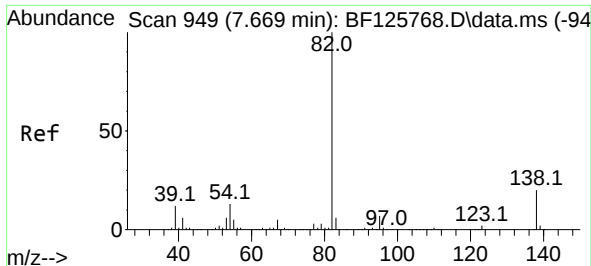
|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 713288 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.8    | 9.8 14.6     |
| 54 7.0      | 6.4 9.6      |
| 68 5.9      | 3.3 4.9#     |



#23  
Nitrobenzene-d5  
Concen: 65.759 ng  
RT: 7.398 min Scan# 903  
Delta R.T. -0.012 min  
Lab File: BF125823.D  
Acq: 13 Oct 2021 13:11

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 754585 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 48.0    | 40.6 60.8    |
| 54 45.1     | 49.6 74.4#   |

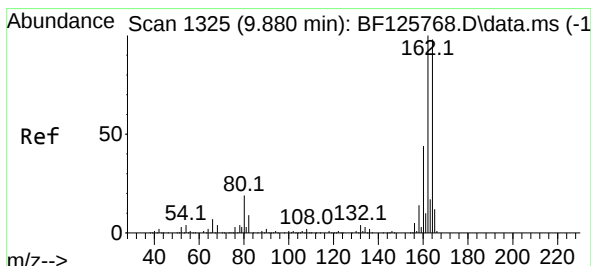
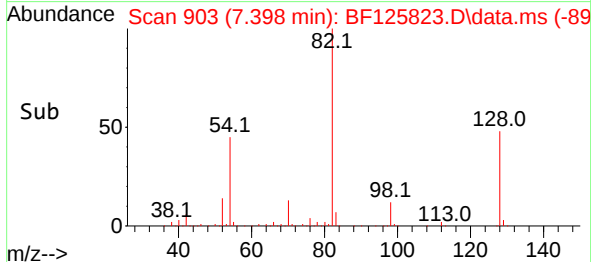
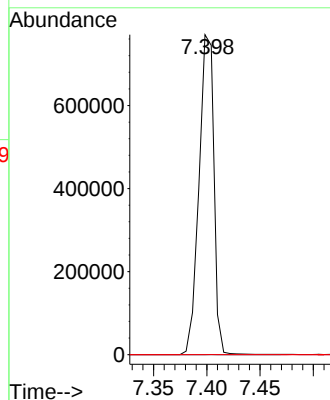
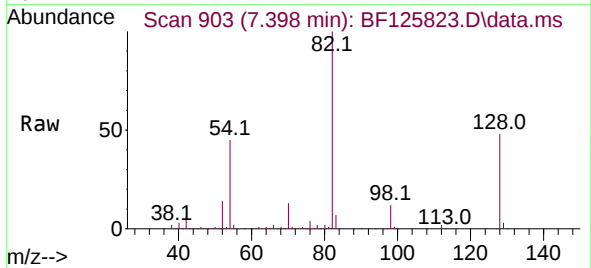




#25  
Isophorone  
Concen: 37.117 ng  
RT: 7.398 min Scan# 903  
Delta R.T. -0.271 min  
Lab File: BF125823.D  
Acq: 13 Oct 2021 13:11

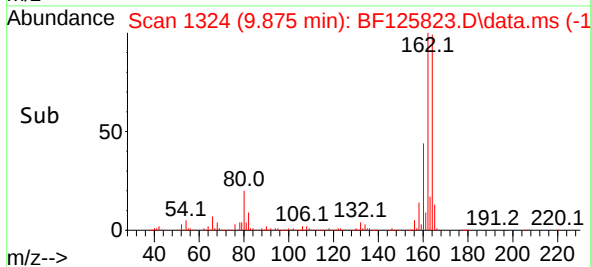
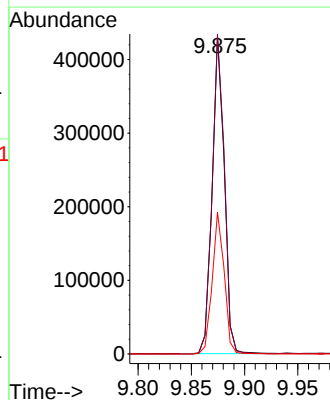
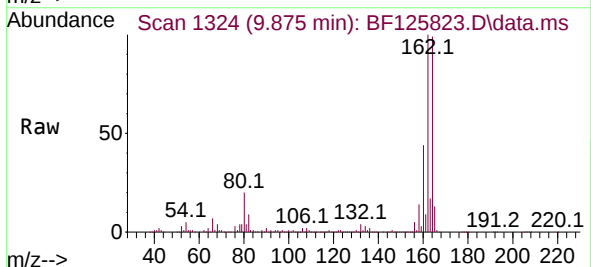
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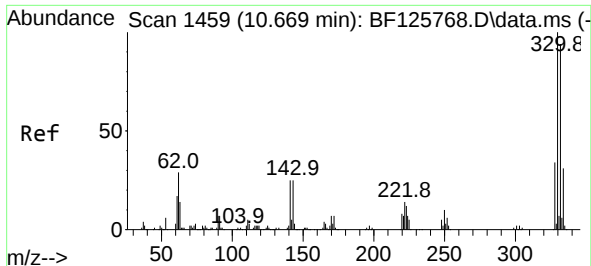
Tgt Ion: 82 Resp: 754569  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 18.4 27.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.875 min Scan# 1324  
Delta R.T. -0.006 min  
Lab File: BF125823.D  
Acq: 13 Oct 2021 13:11

Tgt Ion: 164 Resp: 341712  
Ion Ratio Lower Upper  
164 100  
162 100.6 81.3 121.9  
160 44.6 38.0 57.0

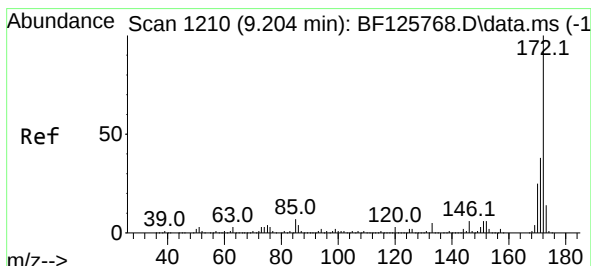
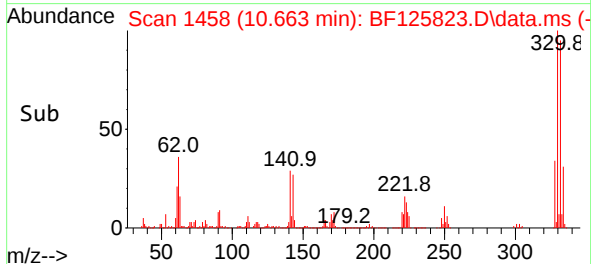
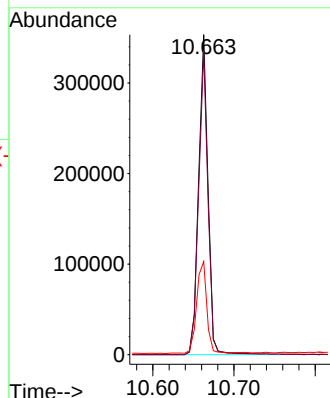
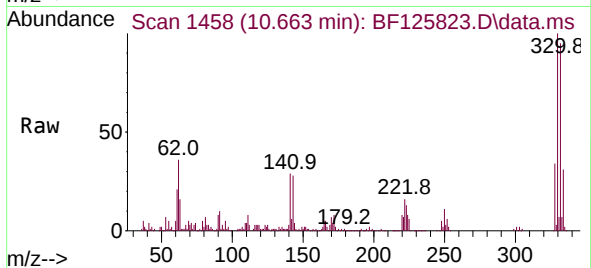




#42  
2,4,6-Tribromophenol  
Concen: 85.068 ng  
RT: 10.663 min Scan# 1458  
Delta R.T. -0.006 min  
Lab File: BF125823.D  
Acq: 13 Oct 2021 13:11

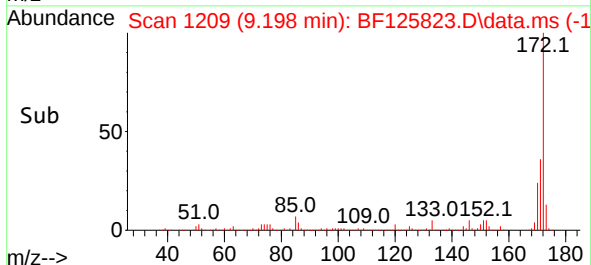
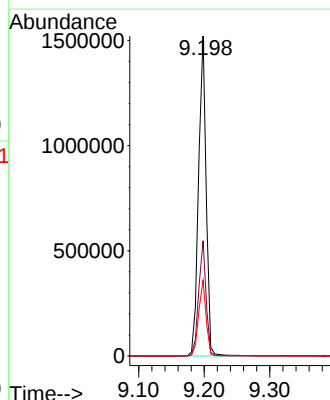
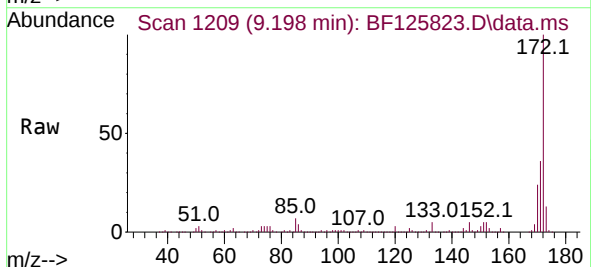
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BNA\_F  
ClientSampleId :  
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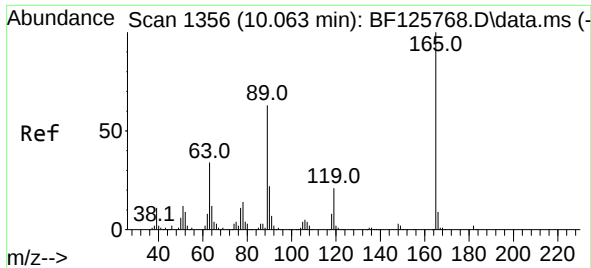
Tgt Ion:330 Resp: 287000  
Ion Ratio Lower Upper  
330 100  
332 94.5 76.2 114.4  
141 31.3 44.6 66.8#



#45  
2-Fluorobiphenyl  
Concen: 62.050 ng  
RT: 9.198 min Scan# 1209  
Delta R.T. -0.006 min  
Lab File: BF125823.D  
Acq: 13 Oct 2021 13:11

Tgt Ion:172 Resp: 1229308  
Ion Ratio Lower Upper  
172 100  
171 36.0 26.5 39.7  
170 23.6 18.8 28.2

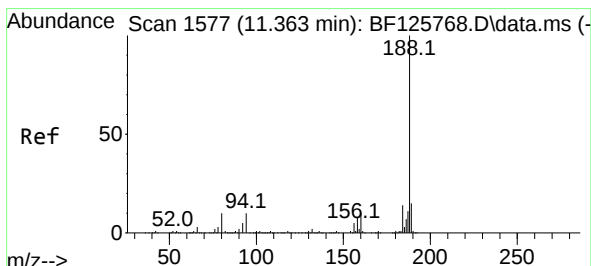
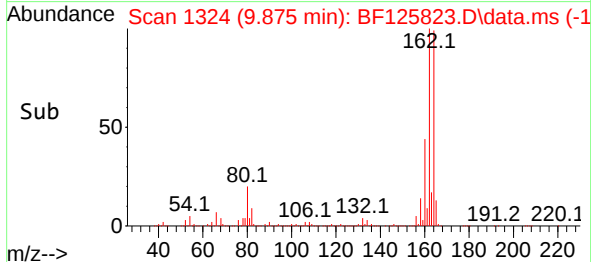
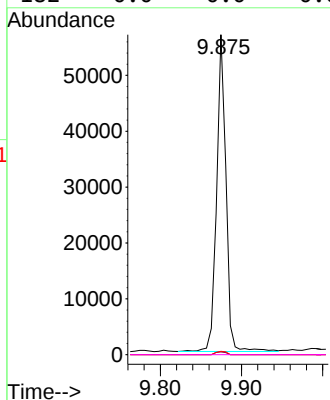
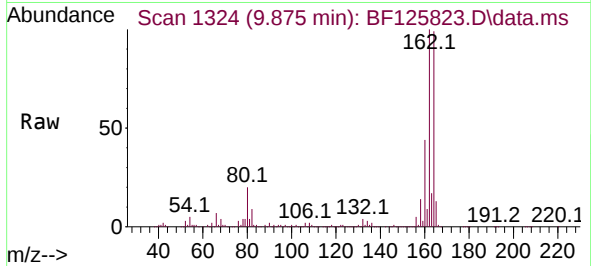




#57  
2,4-Dinitrotoluene  
Concen: 7.912 ng  
RT: 9.875 min Scan# 1324  
Delta R.T. -0.188 min  
Lab File: BF125823.D  
Acq: 13 Oct 2021 13:11

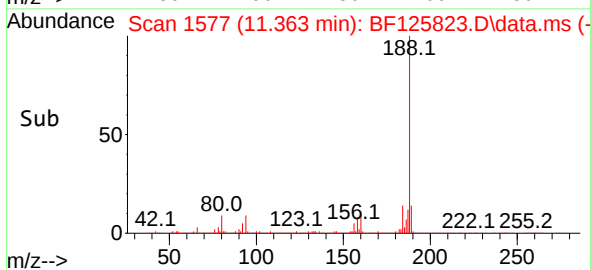
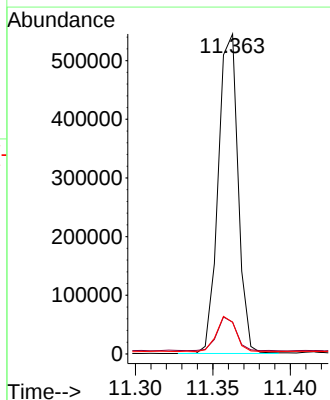
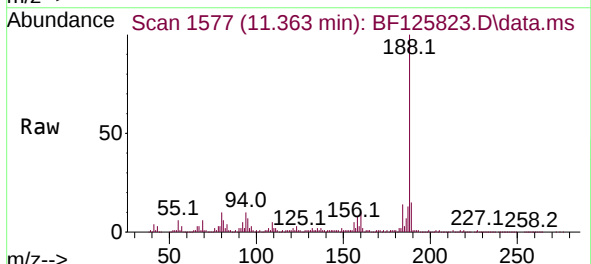
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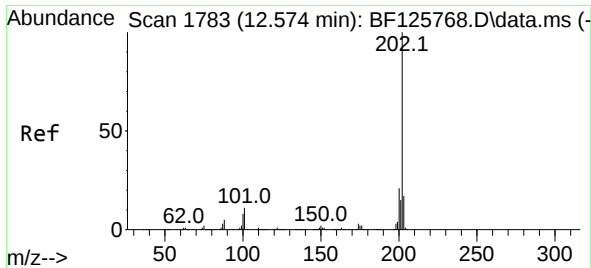
Tgt Ion:165 Resp: 45486  
Ion Ratio Lower Upper  
165 100  
63 0.9 40.9 61.3#  
89 1.1 59.7 89.5#  
182 0.0 0.0 0.0



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.363 min Scan# 1577  
Delta R.T. -0.000 min  
Lab File: BF125823.D  
Acq: 13 Oct 2021 13:11

Tgt Ion:188 Resp: 486025  
Ion Ratio Lower Upper  
188 100  
94 10.0 6.7 10.1  
80 9.9 7.5 11.3

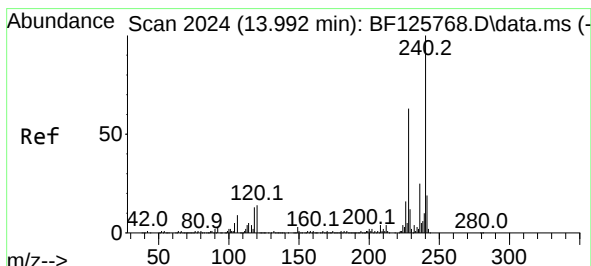
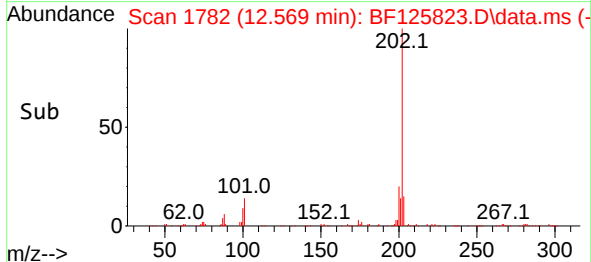
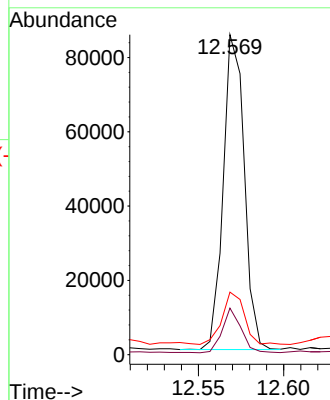
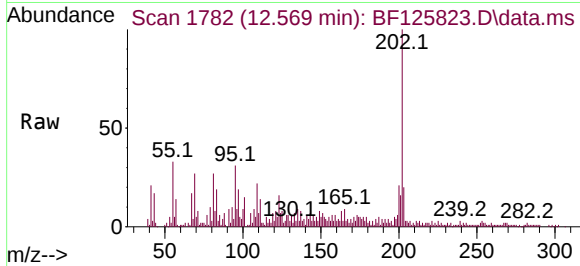




#75  
Fluoranthene  
Concen: 3.094 ng  
RT: 12.569 min Scan# 1782  
Delta R.T. -0.006 min  
Lab File: BF125823.D  
Acq: 13 Oct 2021 13:11

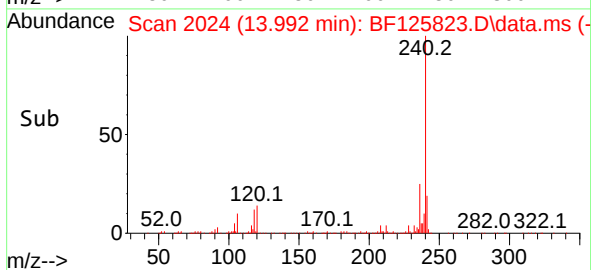
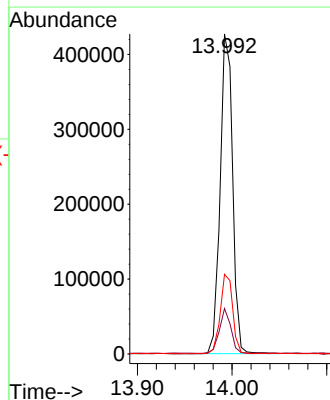
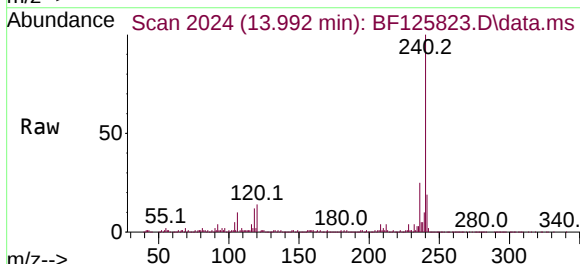
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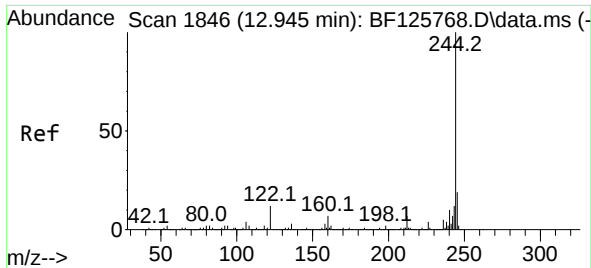
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:202 | Resp: | 72605    |
| Ion Ratio   | Lower | Upper    |
| 202         | 100   |          |
| 101         | 14.6  | 0.0 30.7 |
| 203         | 19.6  | 0.0 36.3 |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.992 min Scan# 2024  
Delta R.T. -0.006 min  
Lab File: BF125823.D  
Acq: 13 Oct 2021 13:11

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:240 | Resp: | 391274    |
| Ion Ratio   | Lower | Upper     |
| 240         | 100   |           |
| 120         | 14.2  | 10.8 16.2 |
| 236         | 24.9  | 21.6 32.4 |

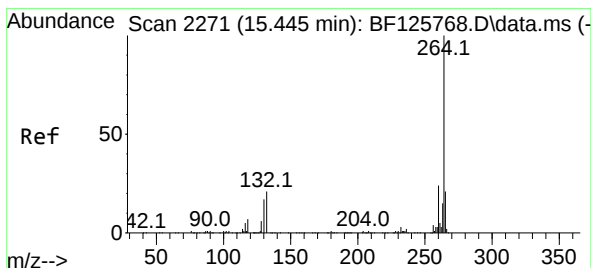
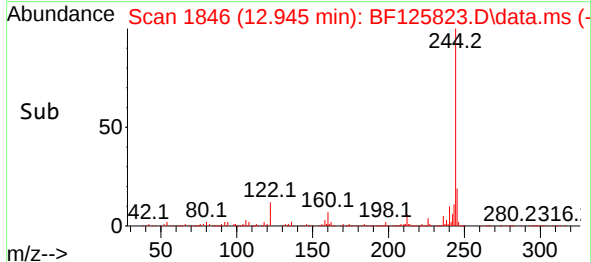
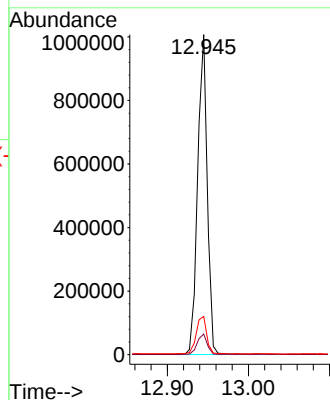
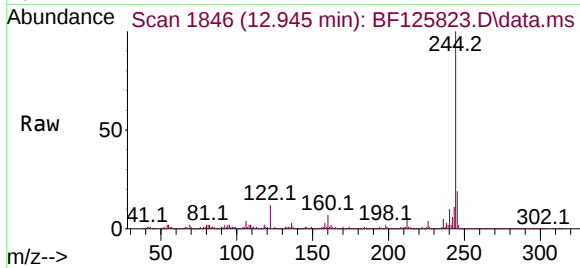




#79  
 Terphenyl-d14  
 Concen: 32.371 ng  
 RT: 12.945 min Scan# 1846  
 Delta R.T. -0.000 min  
 Lab File: BF125823.D  
 Acq: 13 Oct 2021 13:11

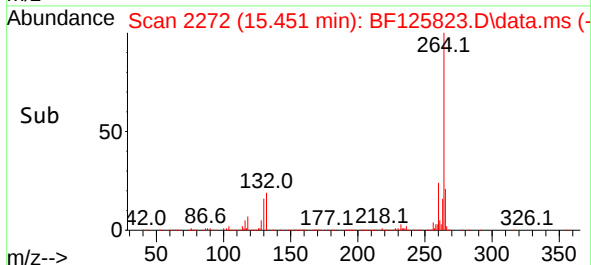
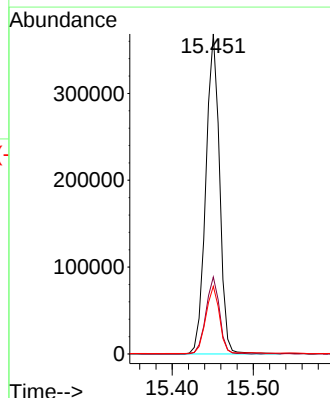
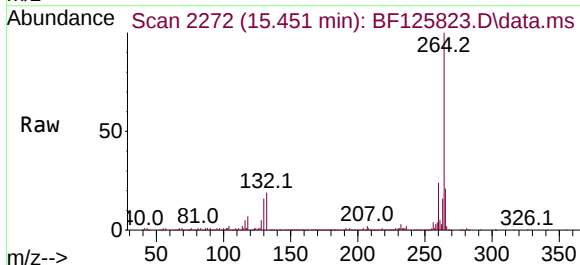
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHRT-27051

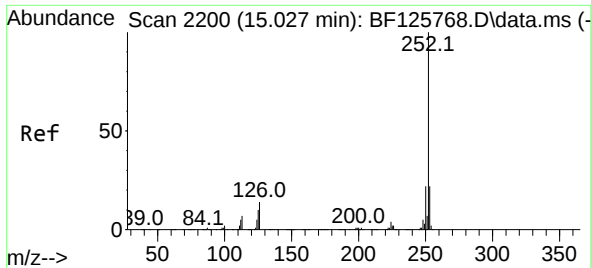
Tgt Ion:244 Resp: 831518  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.9 8.9  
 122 12.0 9.0 13.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.451 min Scan# 2272  
 Delta R.T. -0.000 min  
 Lab File: BF125823.D  
 Acq: 13 Oct 2021 13:11

Tgt Ion:264 Resp: 431550  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 19.6 29.4  
 265 21.2 17.2 25.8

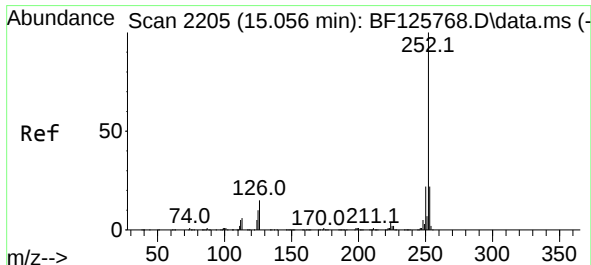
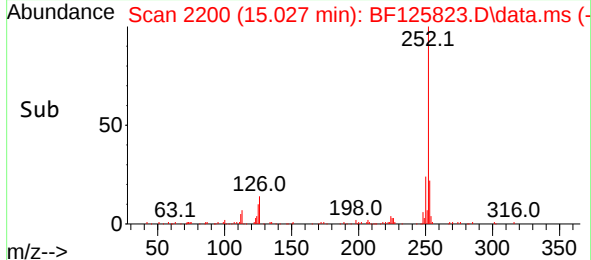
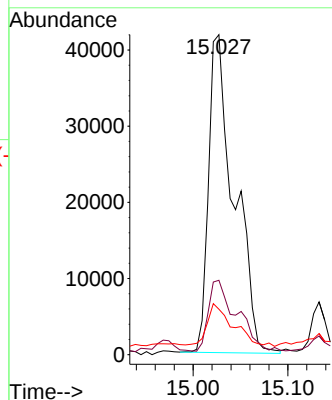
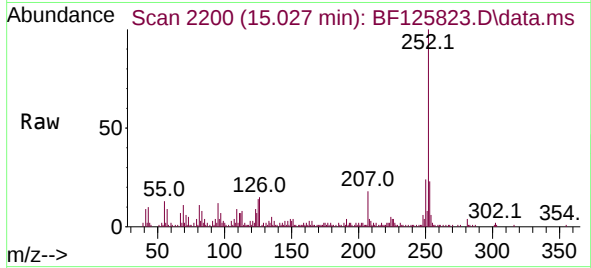




#88  
Benzo(b)fluoranthene  
Concen: 3.209 ng  
RT: 15.027 min Scan# 2200  
Delta R.T. -0.000 min  
Lab File: BF125823.D  
Acq: 13 Oct 2021 13:11

Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-27051

Tgt Ion:252 Resp: 78176  
Ion Ratio Lower Upper  
252 100  
253 23.2 16.8 25.2  
125 14.2 9.8 14.8



#89  
Benzo(k)fluoranthene  
Concen: 3.125 ng  
RT: 15.027 min Scan# 2200  
Delta R.T. -0.035 min  
Lab File: BF125823.D  
Acq: 13 Oct 2021 13:11

Tgt Ion:252 Resp: 78176  
Ion Ratio Lower Upper  
252 100  
253 23.2 17.8 26.8  
125 14.2 7.2 10.8#

