

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080921\  
 Data File : BF125021.D  
 Acq On : 10 Aug 2021 1:55  
 Operator : JU/CG  
 Sample : M3295-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-EF-01-022-ABCD

Quant Time: Aug 10 04:47:55 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF080421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 09 11:03:44 2021  
 Response via : Initial Calibration

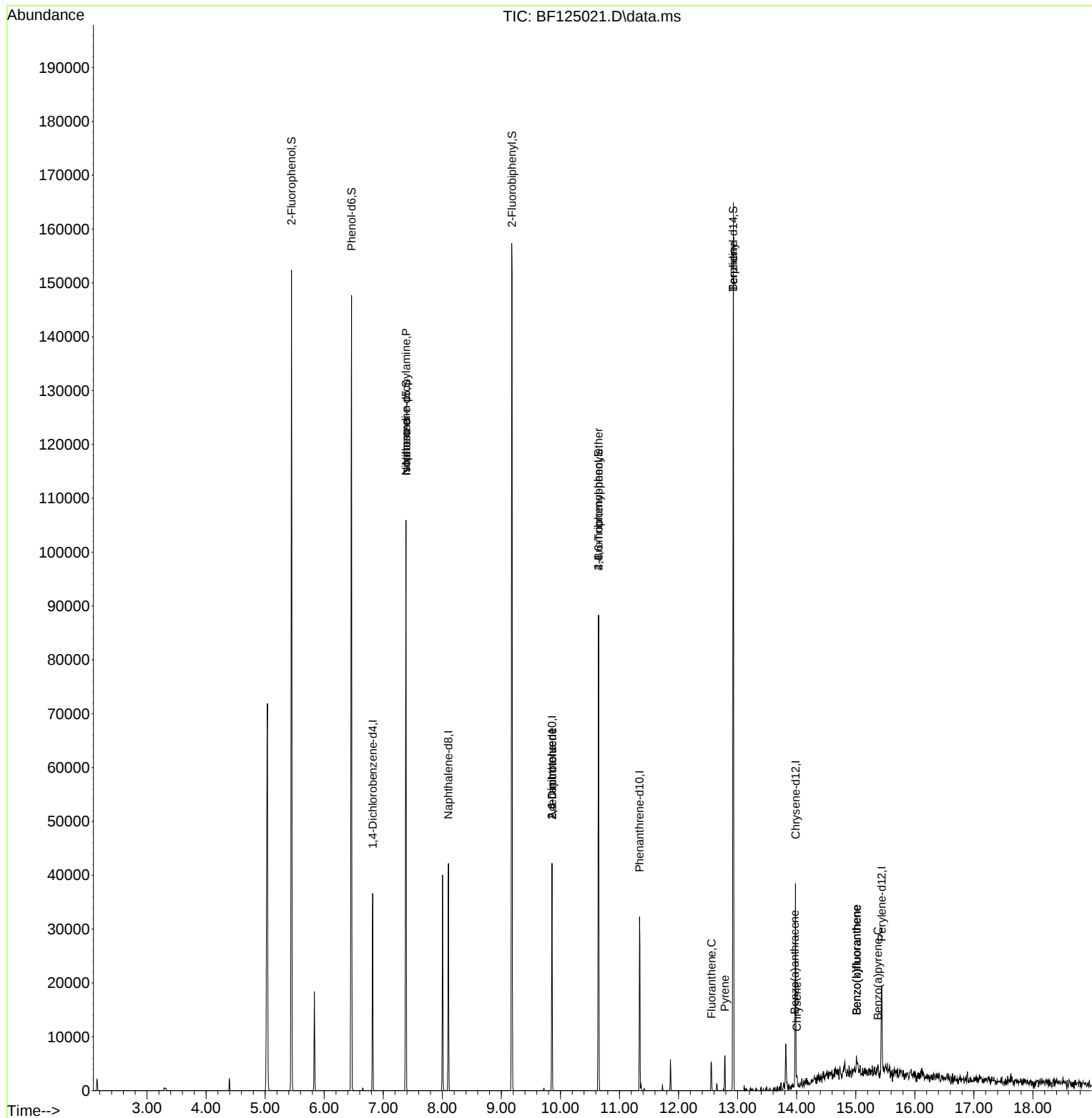
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.822  | 152  | 5373     | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 18039    | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.857  | 164  | 8293     | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.339 | 188  | 13279    | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.980 | 240  | 12141    | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.439 | 264  | 8400     | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.445  | 112  | 38450    | 117.23 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.463  | 99   | 43644    | 105.53 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.387  | 82   | 29377    | 85.19  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.645 | 330  | 8274     | 111.68 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.181  | 172  | 49408    | 87.18  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.927 | 244  | 51311    | 71.29  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.387  | 70   | 3995     | 16.28  | ng    | # 65     |
| 25) Isophorone                | 7.387  | 82   | 29376    | 49.91  | ng    | # 59     |
| 51) 2,6-Dinitrotoluene        | 9.857  | 165  | 946      | 7.56   | ng    | # 26     |
| 57) 2,4-Dinitrotoluene        | 9.857  | 165  | 946      | 5.57   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.645 | 248  | 687      | 4.72   | ng    | # 1      |
| 75) Fluoranthene              | 12.557 | 202  | 3107     | 4.17   | ng    | 89       |
| 77) Benzidine                 | 12.927 | 184  | 674      | 2.07   | ng    | # 69     |
| 78) Pyrene                    | 12.786 | 202  | 3376     | 3.53   | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.968 | 228  | 2181     | 2.76   | ng    | 97       |
| 83) Chrysene                  | 14.004 | 228  | 1642     | 2.15   | ng    | 94       |
| 88) Benzo(b)fluoranthene      | 15.015 | 252  | 2840     | 4.82   | ng    | # 86     |
| 89) Benzo(k)fluoranthene      | 15.015 | 252  | 2840     | 5.29   | ng    | # 92     |
| 90) Benzo(a)pyrene            | 15.374 | 252  | 1373     | 2.73   | ng    | # 88     |
| -----                         |        |      |          |        |       |          |

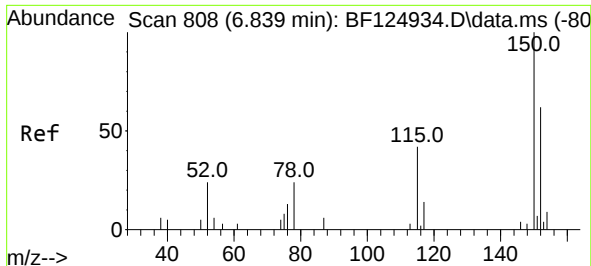
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Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080921\  
Data File : BF125021.D  
Acq On : 10 Aug 2021 1:55  
Operator : JU/CG  
Sample : M3295-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
FK-EF-01-022-ABCD

Quant Time: Aug 10 04:47:55 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF080421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 09 11:03:44 2021  
Response via : Initial Calibration

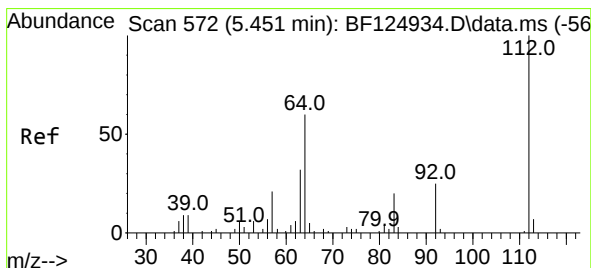
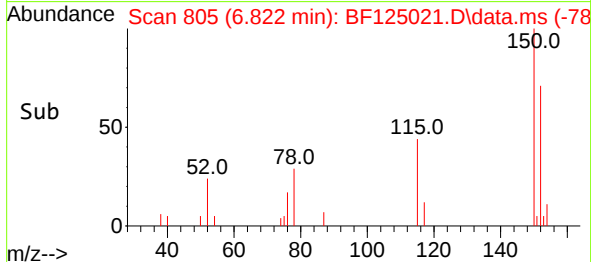
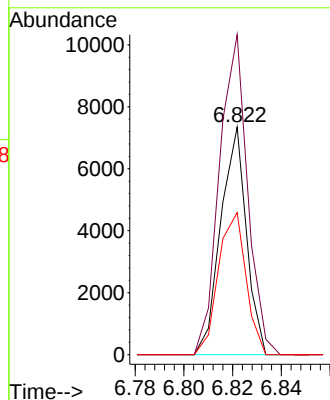
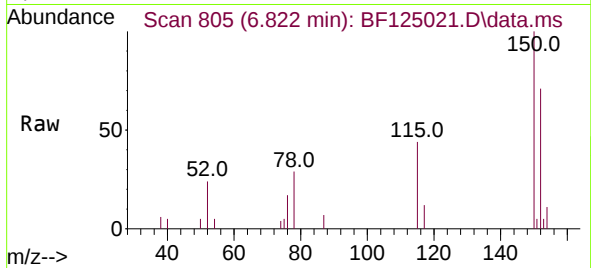




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.822 min Scan# 805  
Delta R.T. -0.000 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

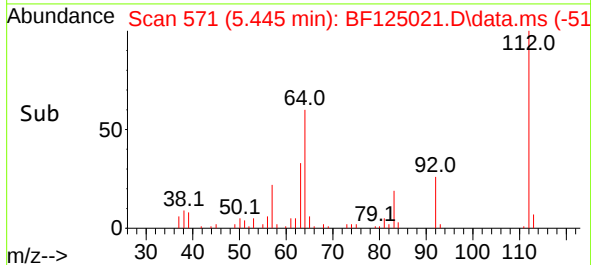
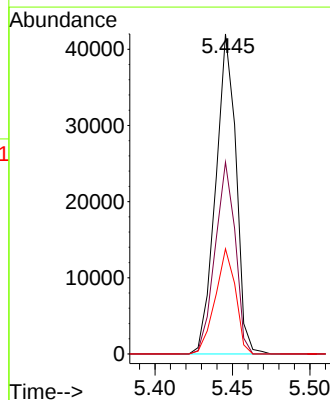
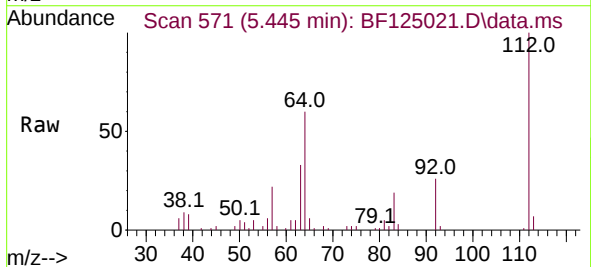
Instrument :  
BNA\_F  
ClientSampleId :  
FK-EF-01-022-ABCD

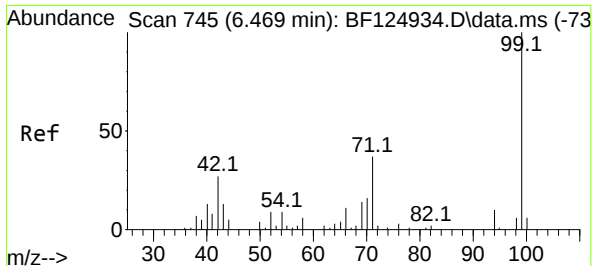
Tgt Ion:152 Resp: 5373  
Ion Ratio Lower Upper  
152 100  
150 140.5 117.6 176.4  
115 62.4 47.1 70.7



#5  
2-Fluorophenol  
Concen: 117.23 ng  
RT: 5.445 min Scan# 571  
Delta R.T. 0.006 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

Tgt Ion:112 Resp: 38450  
Ion Ratio Lower Upper  
112 100  
64 59.9 44.2 66.2  
63 32.8 26.2 39.2

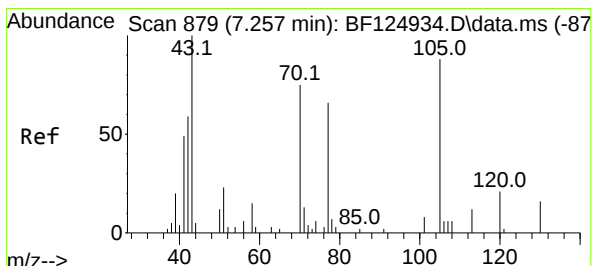
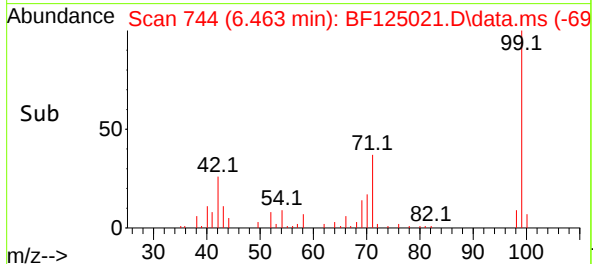
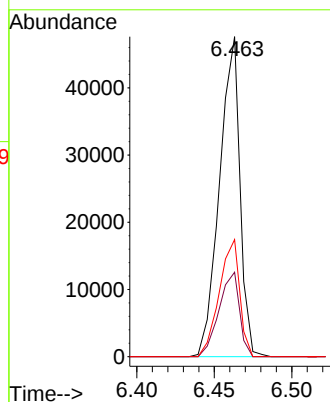
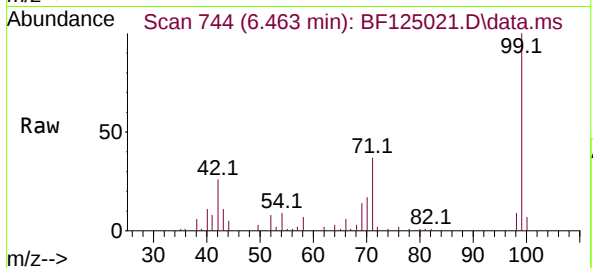




#7  
Phenol-d6  
Concen: 105.53 ng  
RT: 6.463 min Scan# 744  
Delta R.T. 0.006 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

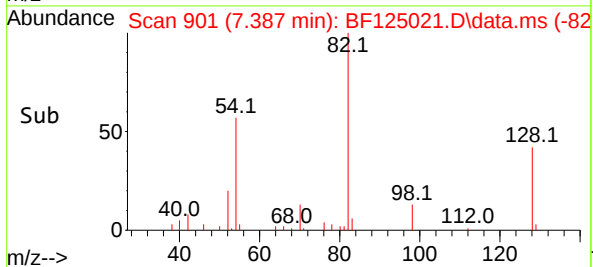
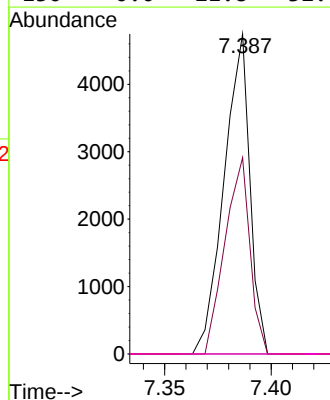
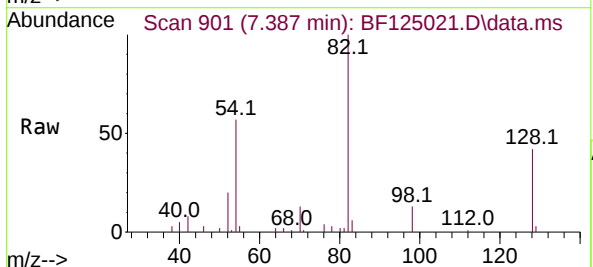
Instrument :  
BNA\_F  
ClientSampleId :  
FK-EF-01-022-ABCD

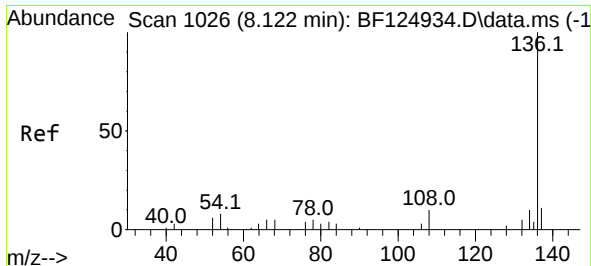
Tgt Ion: 99 Resp: 43644  
Ion Ratio Lower Upper  
99 100  
42 26.4 23.5 35.3  
71 36.6 25.6 38.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.28 ng  
RT: 7.387 min Scan# 901  
Delta R.T. 0.147 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

Tgt Ion: 70 Resp: 3995  
Ion Ratio Lower Upper  
70 100  
42 61.4 72.2 108.2#  
101 0.0 7.8 11.8#  
130 0.0 21.8 32.6#

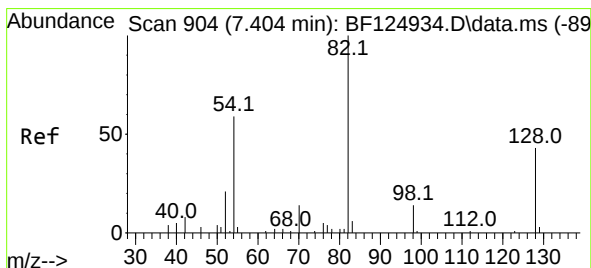
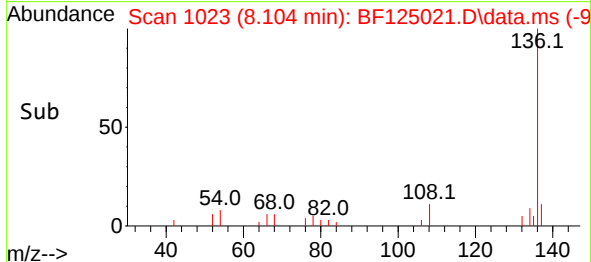
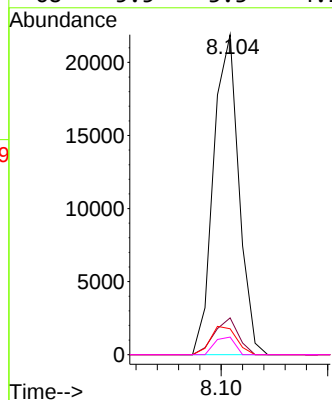
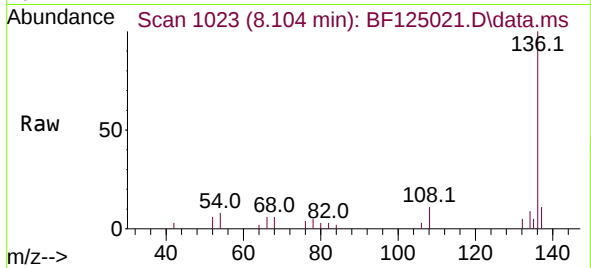




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.104 min Scan# 1023  
Delta R.T. 0.000 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

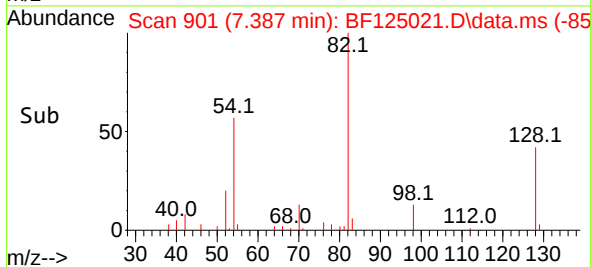
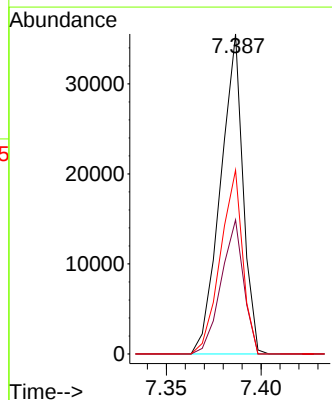
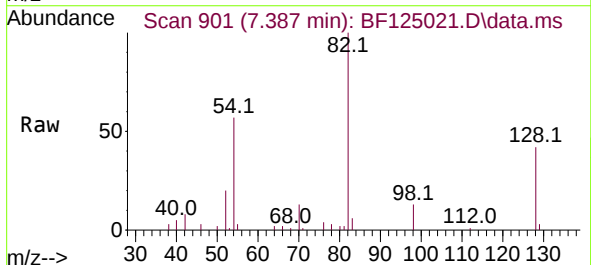
Instrument :  
BNA\_F  
ClientSampleId :  
FK-EF-01-022-ABCD

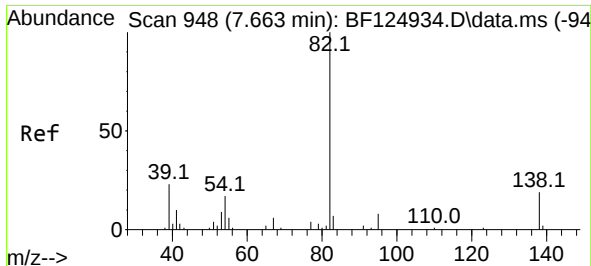
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 18039    |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.5  | 9.8 14.6 |
| 54          | 8.1   | 6.4 9.6  |
| 68          | 5.5   | 3.3 4.9  |



#23  
Nitrobenzene-d5  
Concen: 85.19 ng  
RT: 7.387 min Scan# 901  
Delta R.T. -0.006 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 29377     |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 41.9  | 40.6 60.8 |
| 54          | 57.4  | 49.6 74.4 |

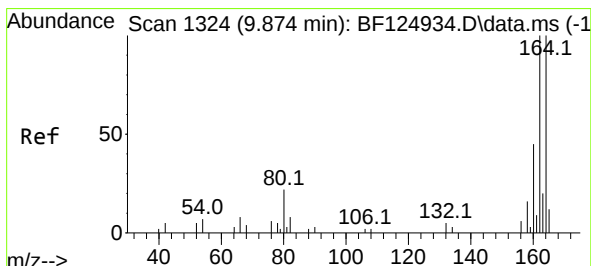
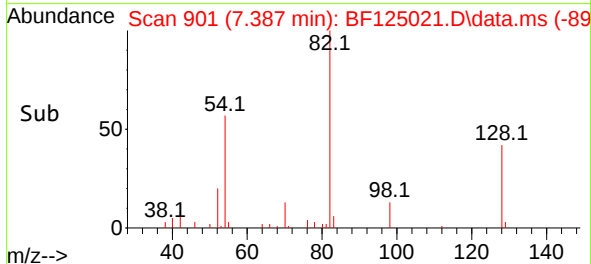
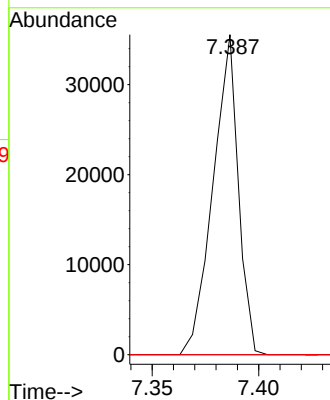
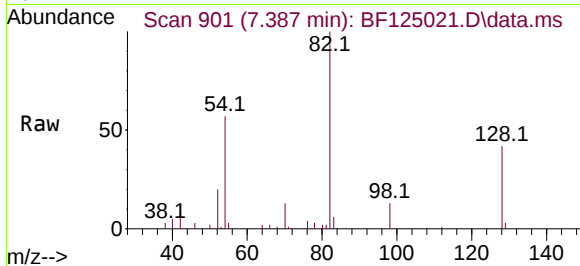




#25  
Isophorone  
Concen: 49.91 ng  
RT: 7.387 min Scan# 901  
Delta R.T. -0.259 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

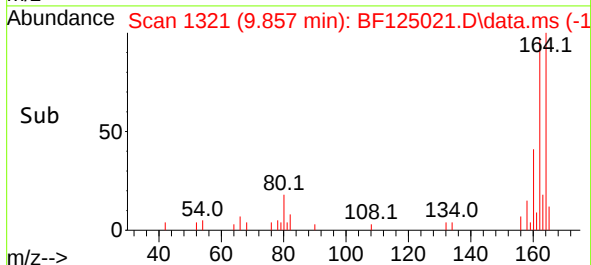
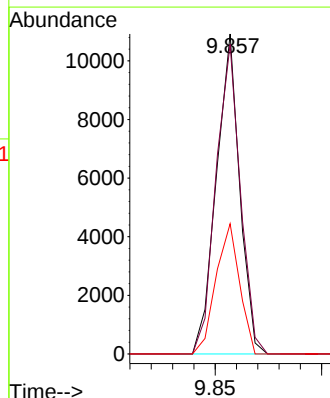
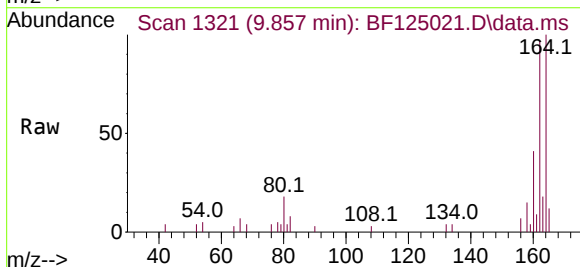
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FK-EF-01-022-ABCD

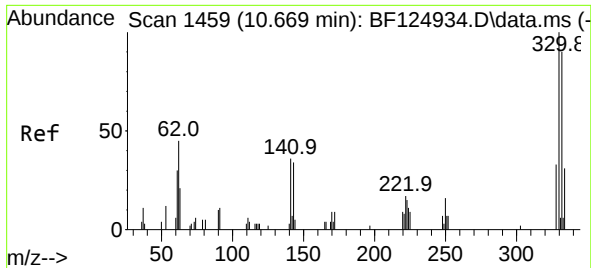
Tgt Ion: 82 Resp: 29376  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 18.4 27.6#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. -0.006 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

Tgt Ion: 164 Resp: 8293  
Ion Ratio Lower Upper  
164 100  
162 96.7 81.3 121.9  
160 40.7 38.0 57.0

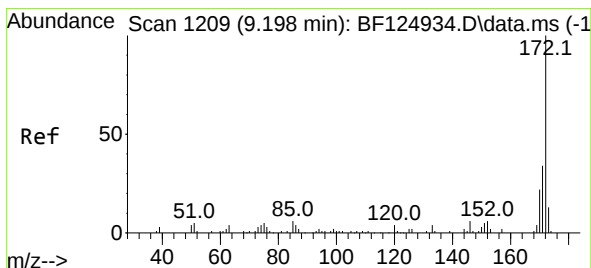
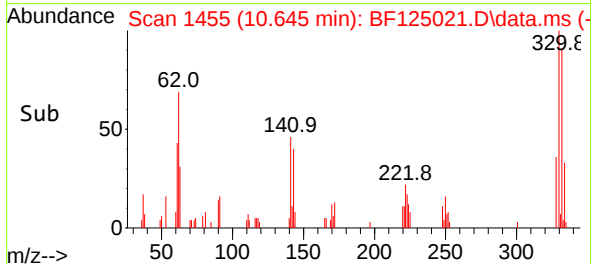
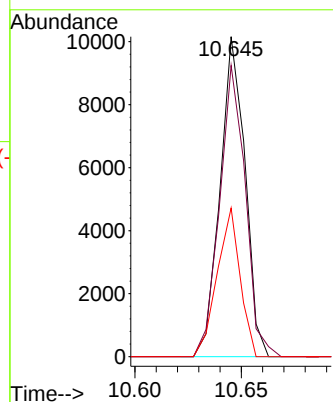
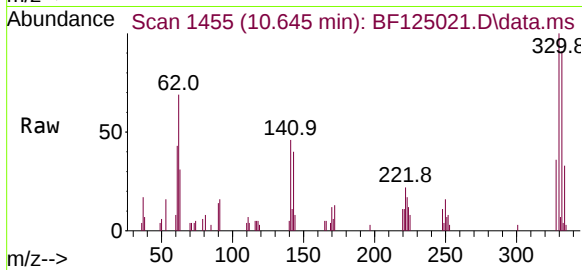




#42  
2,4,6-Tribromophenol  
Concen: 111.68 ng  
RT: 10.645 min Scan# 1455  
Delta R.T. -0.006 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

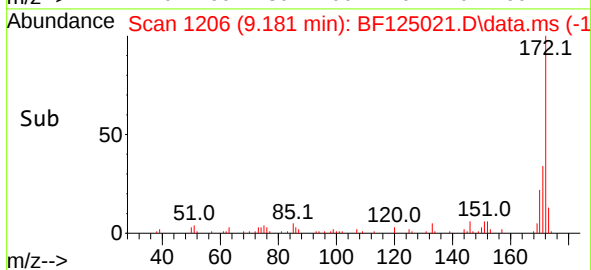
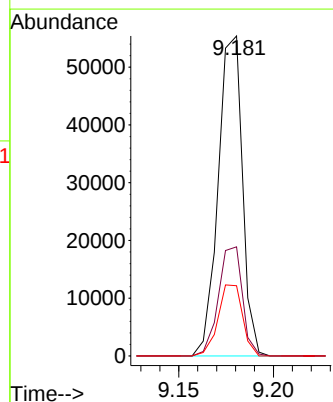
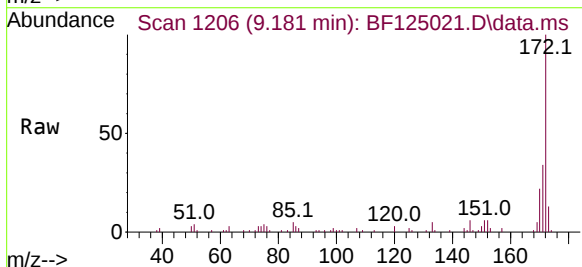
Instrument :  
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ClientSampleId :  
FK-EF-01-022-ABCD

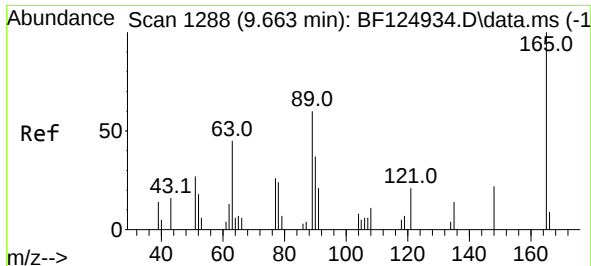
Tgt Ion: 330 Resp: 8274  
Ion Ratio Lower Upper  
330 100  
332 93.8 76.2 114.4  
141 42.7 44.6 66.8#



#45  
2-Fluorobiphenyl  
Concen: 87.18 ng  
RT: 9.181 min Scan# 1206  
Delta R.T. 0.000 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

Tgt Ion: 172 Resp: 49408  
Ion Ratio Lower Upper  
172 100  
171 34.1 26.5 39.7  
170 21.9 18.8 28.2

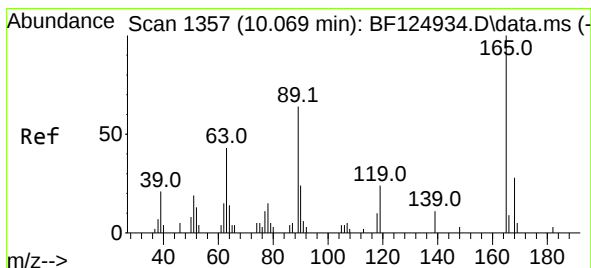
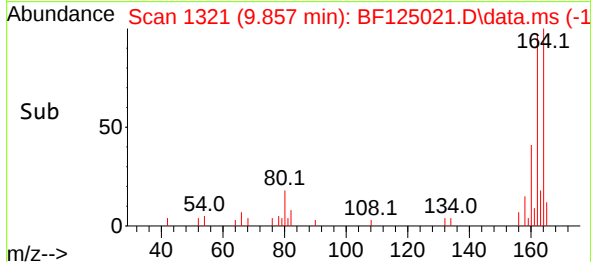
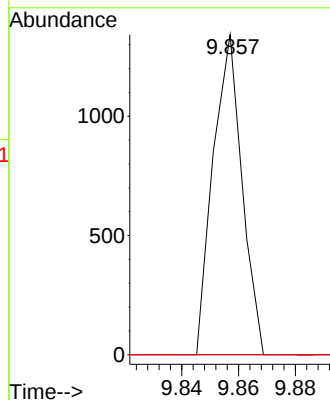
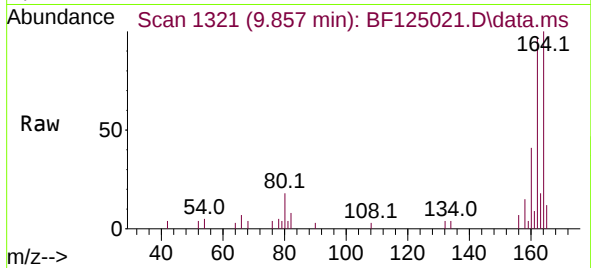




#51  
2,6-Dinitrotoluene  
Concen: 7.56 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. 0.212 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

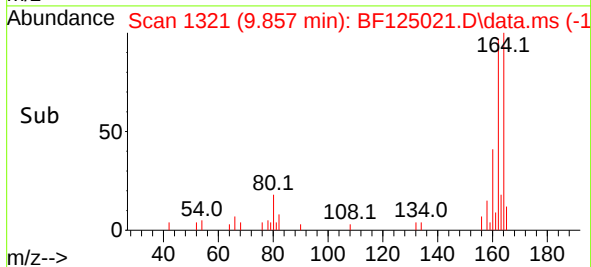
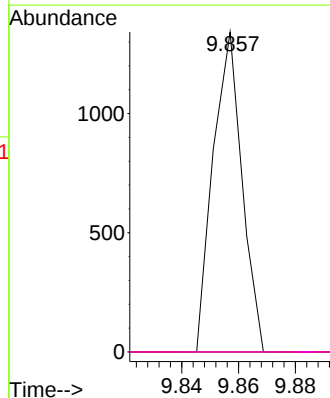
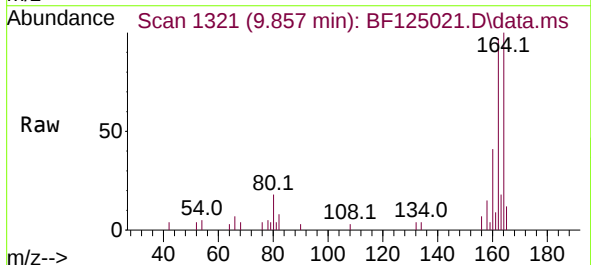
Instrument :  
BNA\_F  
ClientSampleId :  
FK-EF-01-022-ABCD

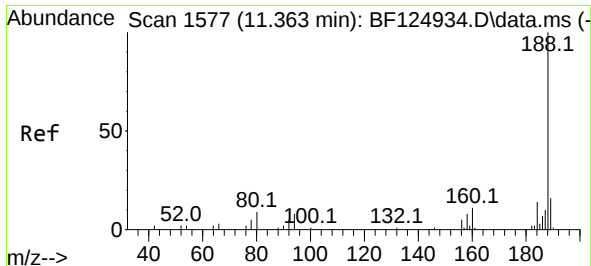
Tgt Ion:165 Resp: 946  
Ion Ratio Lower Upper  
165 100  
63 0.0 42.6 63.8#  
89 0.0 40.6 60.8#



#57  
2,4-Dinitrotoluene  
Concen: 5.57 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. -0.194 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

Tgt Ion:165 Resp: 946  
Ion Ratio Lower Upper  
165 100  
63 0.0 40.9 61.3#  
89 0.0 59.7 89.5#  
182 0.0 0.0 0.0

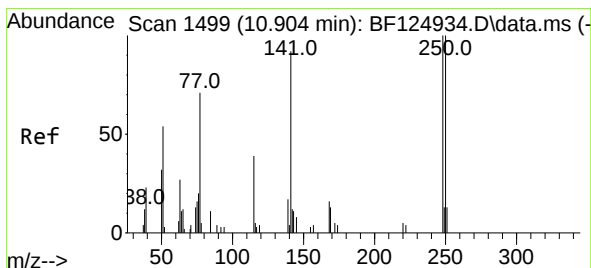
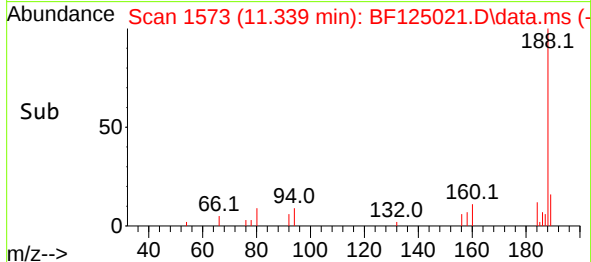
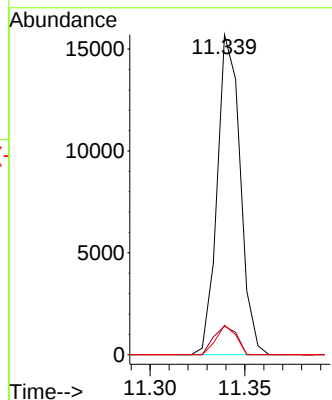
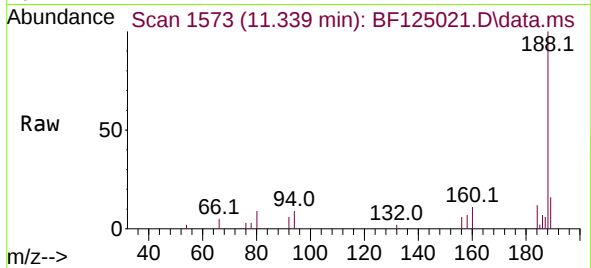




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.339 min Scan# 1573  
Delta R.T. -0.006 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

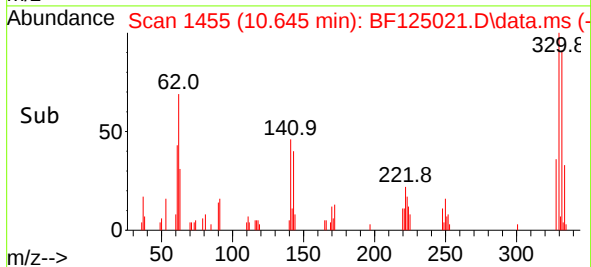
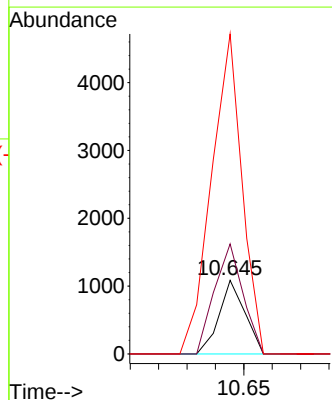
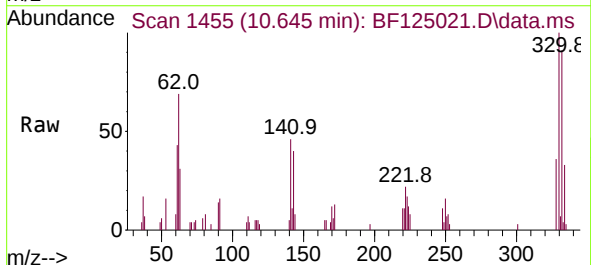
Instrument :  
BNA\_F  
ClientSampleId :  
FK-EF-01-022-ABCD

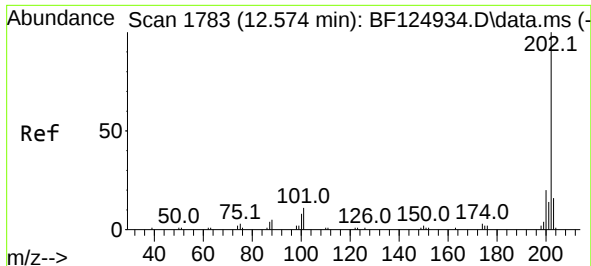
Tgt Ion:188 Resp: 13279  
Ion Ratio Lower Upper  
188 100  
94 8.9 6.7 10.1  
80 9.2 7.5 11.3



#67  
4-Bromophenyl-phenylether  
Concen: 4.72 ng  
RT: 10.645 min Scan# 1455  
Delta R.T. -0.241 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

Tgt Ion:248 Resp: 687  
Ion Ratio Lower Upper  
248 100  
250 149.4 74.2 111.4#  
141 434.4 60.4 90.6#

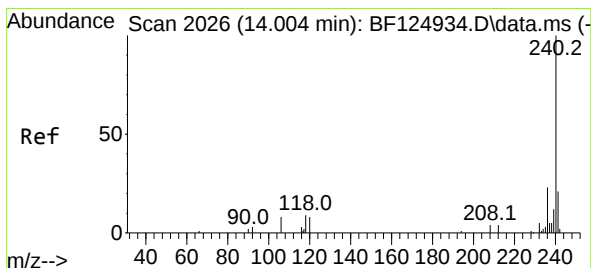
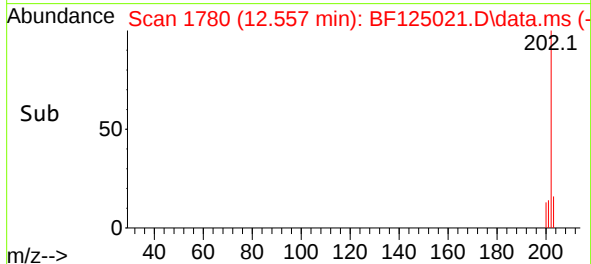
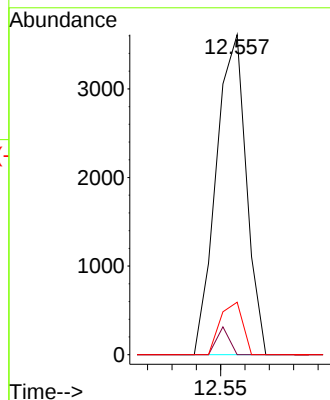
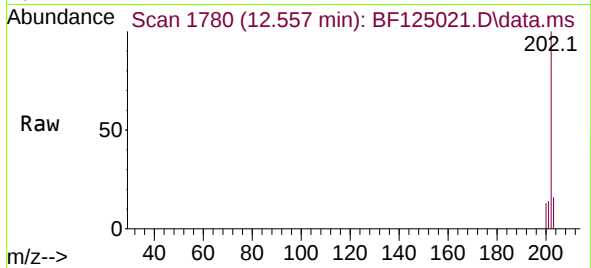




#75  
Fluoranthene  
Concen: 4.17 ng  
RT: 12.557 min Scan# 1780  
Delta R.T. 0.000 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

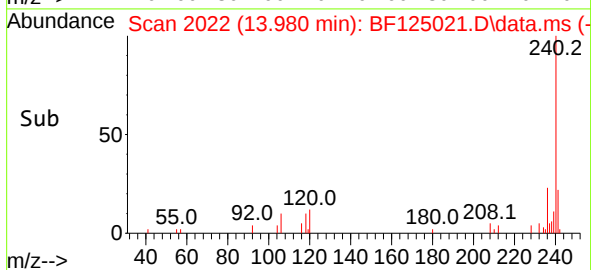
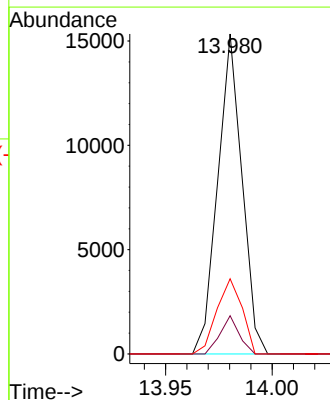
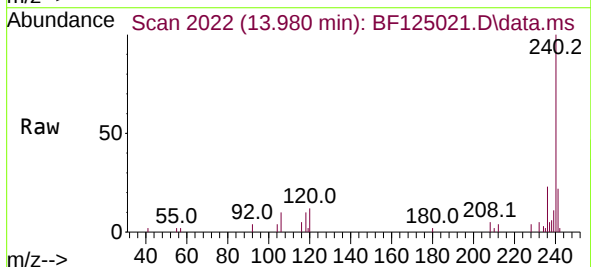
Instrument :  
BNA\_F  
ClientSampleId :  
FK-EF-01-022-ABCD

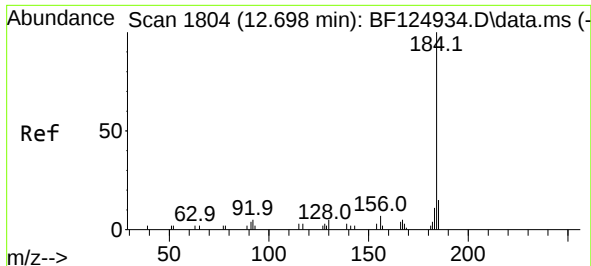
Tgt Ion:202 Resp: 3107  
Ion Ratio Lower Upper  
202 100  
101 0.0 0.0 30.7  
203 16.4 0.0 36.3



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.980 min Scan# 2022  
Delta R.T. -0.006 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

Tgt Ion:240 Resp: 12141  
Ion Ratio Lower Upper  
240 100  
120 12.0 10.8 16.2  
236 23.5 21.6 32.4

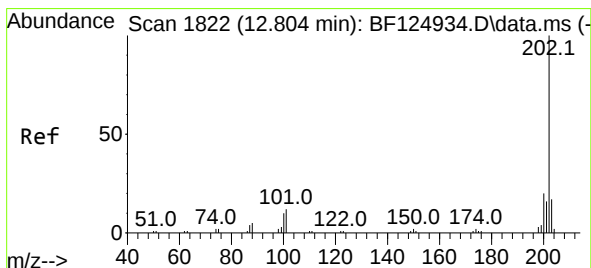
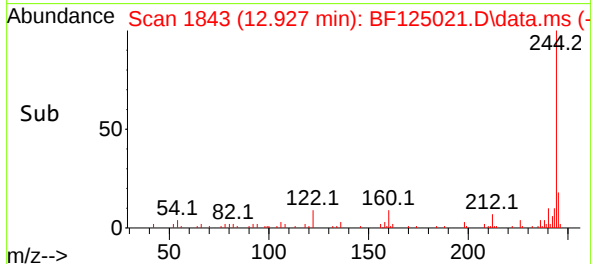
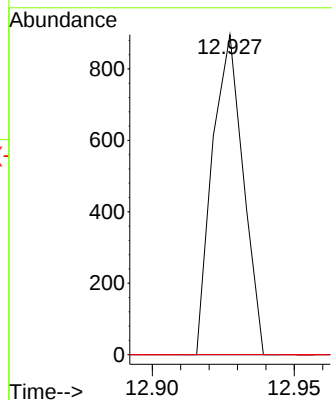
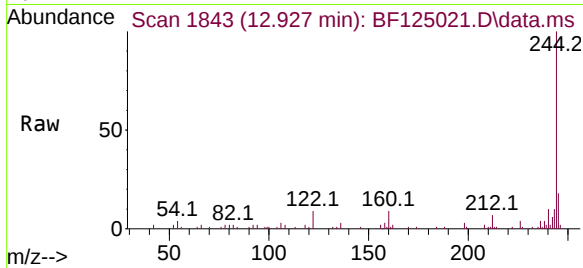




#77  
Benzidine  
Concen: 2.07 ng  
RT: 12.927 min Scan# 1843  
Delta R.T. 0.247 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

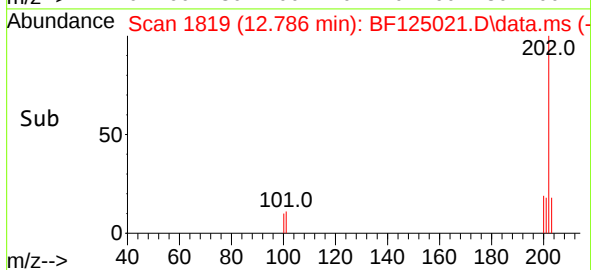
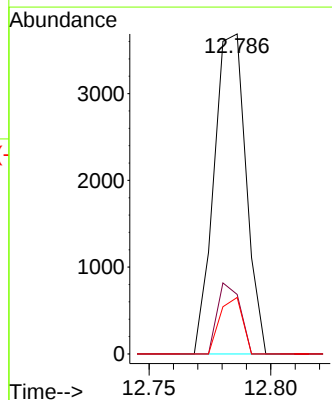
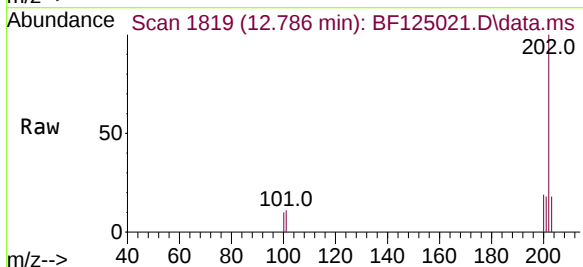
Instrument :  
BNA\_F  
ClientSampleId :  
FK-EF-01-022-ABCD

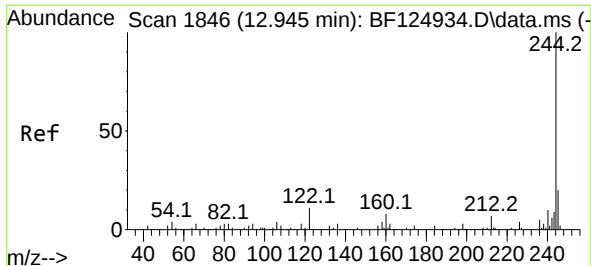
Tgt Ion:184 Resp: 674  
Ion Ratio Lower Upper  
184 100  
185 0.0 10.8 16.2#  
183 0.0 8.1 12.1#



#78  
Pyrene  
Concen: 3.53 ng  
RT: 12.786 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

Tgt Ion:202 Resp: 3376  
Ion Ratio Lower Upper  
202 100  
200 18.6 15.3 22.9  
203 17.6 13.4 20.0

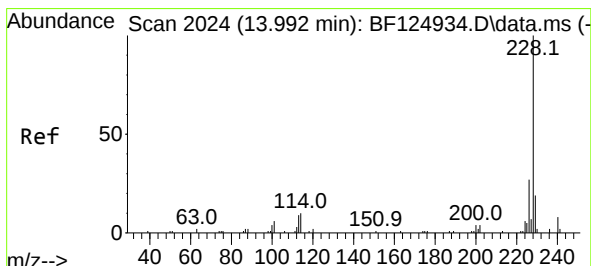
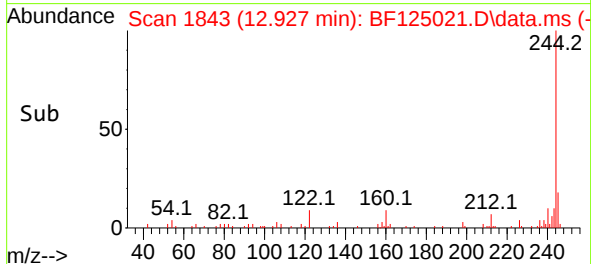
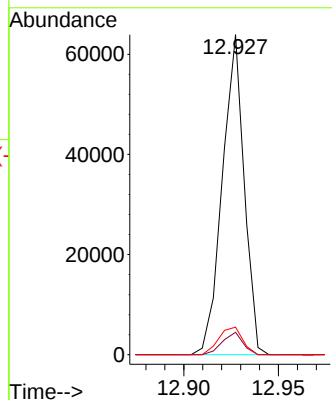
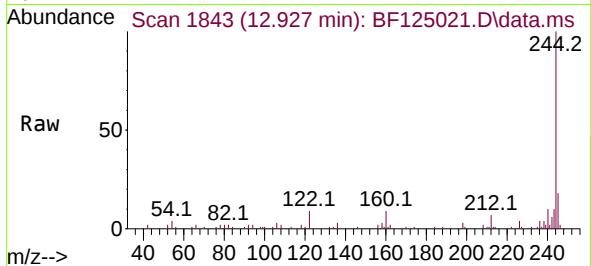




#79  
 Terphenyl-d14  
 Concen: 71.29 ng  
 RT: 12.927 min Scan# 1843  
 Delta R.T. 0.000 min  
 Lab File: BF125021.D  
 Acq: 10 Aug 2021 1:55

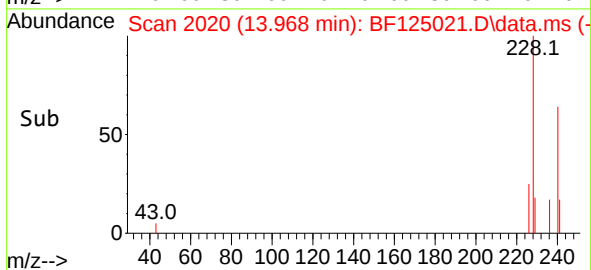
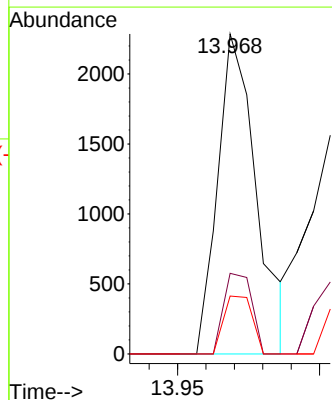
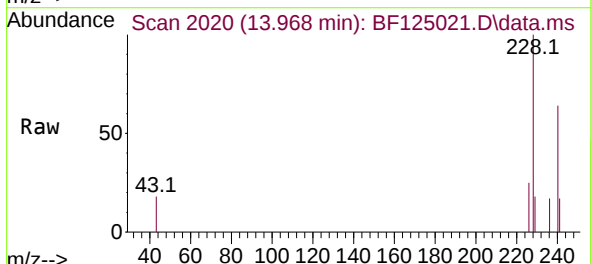
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-EF-01-022-ABCD

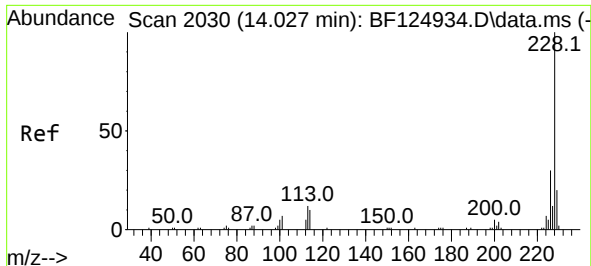
Tgt Ion:244 Resp: 51311  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.9 8.9  
 122 8.6 9.0 13.4#



#81  
 Benzo(a)anthracene  
 Concen: 2.76 ng  
 RT: 13.968 min Scan# 2020  
 Delta R.T. -0.006 min  
 Lab File: BF125021.D  
 Acq: 10 Aug 2021 1:55

Tgt Ion:228 Resp: 2181  
 Ion Ratio Lower Upper  
 228 100  
 226 25.2 21.6 32.4  
 229 18.1 15.6 23.4

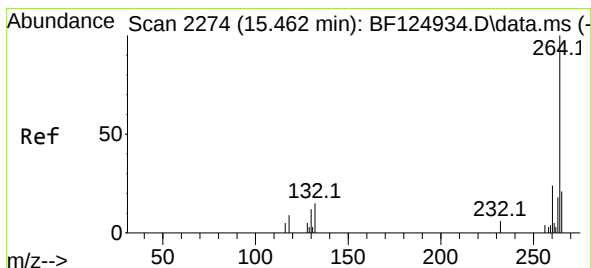
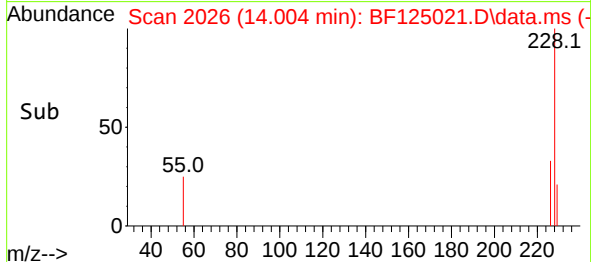
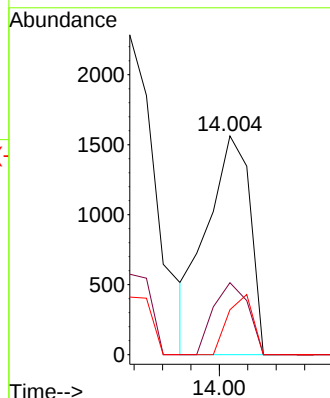
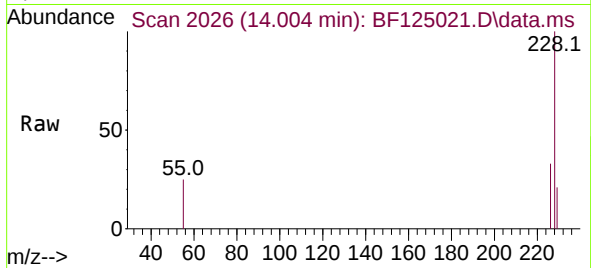




#83  
Chrysene  
Concen: 2.15 ng  
RT: 14.004 min Scan# 2026  
Delta R.T. -0.006 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

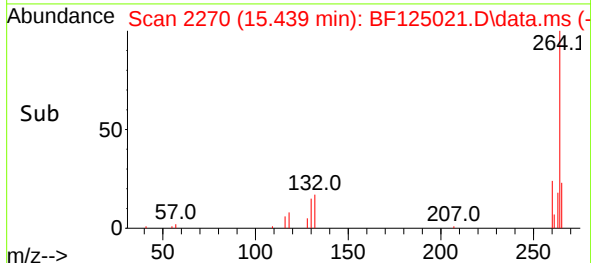
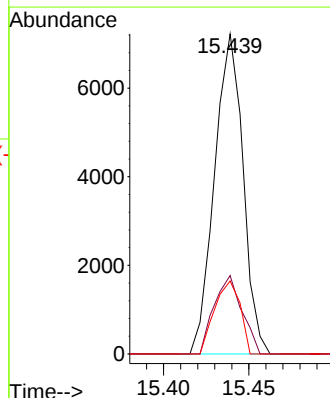
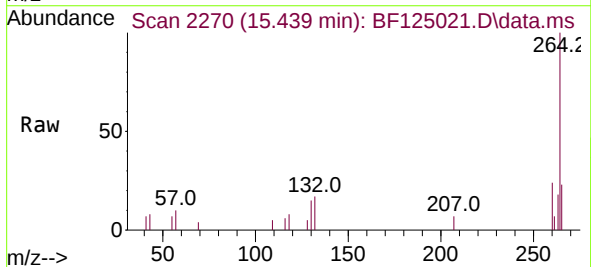
Instrument :  
BNA\_F  
ClientSampleId :  
FK-EF-01-022-ABCD

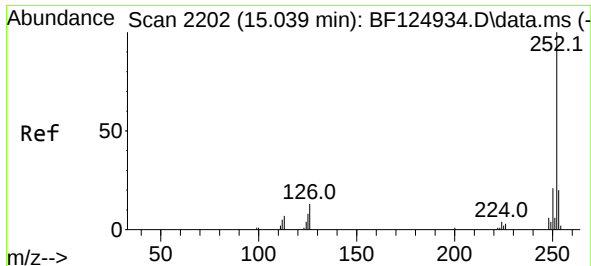
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 1642      |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 32.9  | 22.6 34.0 |
| 229         | 20.6  | 15.9 23.9 |



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.439 min Scan# 2270  
Delta R.T. 0.000 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 8400      |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 24.5  | 19.6 29.4 |
| 265         | 22.8  | 17.2 25.8 |

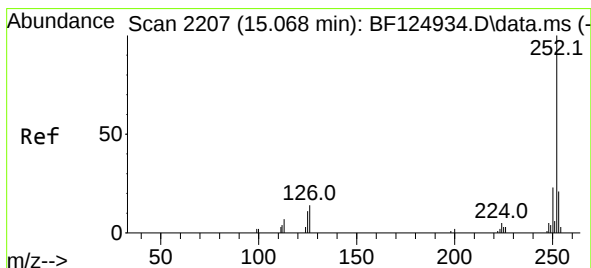
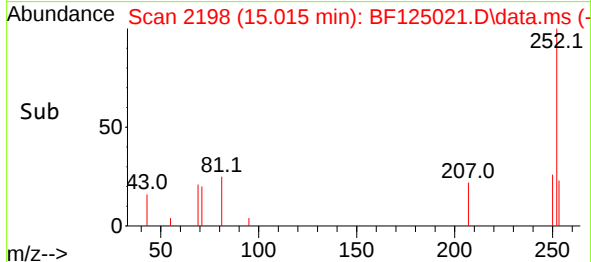
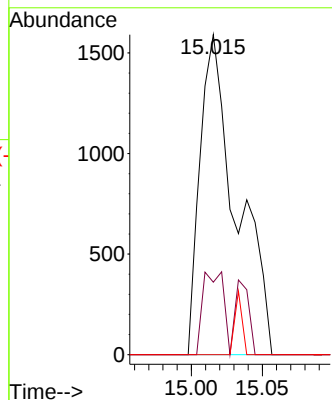
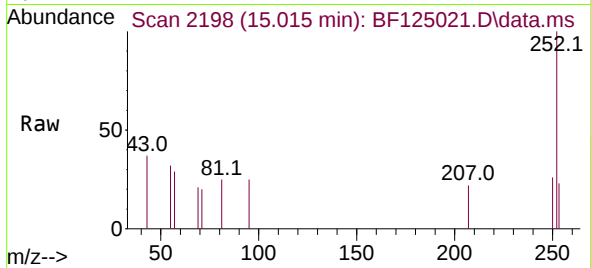




#88  
Benzo(b)fluoranthene  
Concen: 4.82 ng  
RT: 15.015 min Scan# 2198  
Delta R.T. 0.000 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

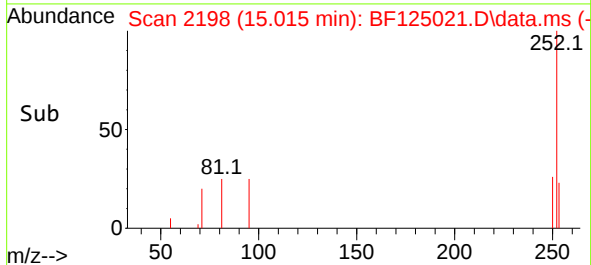
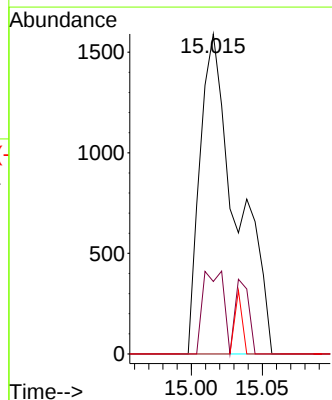
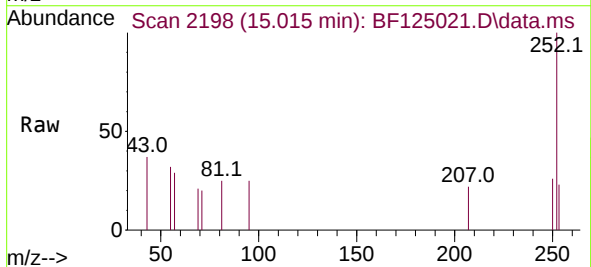
Instrument :  
BNA\_F  
ClientSampleId :  
FK-EF-01-022-ABCD

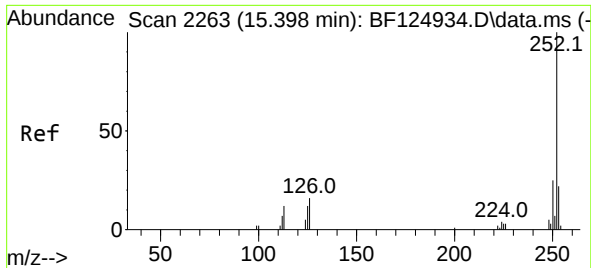
Tgt Ion:252 Resp: 2840  
Ion Ratio Lower Upper  
252 100  
253 22.6 16.8 25.2  
125 0.0 9.8 14.8#



#89  
Benzo(k)fluoranthene  
Concen: 5.29 ng  
RT: 15.015 min Scan# 2198  
Delta R.T. -0.029 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

Tgt Ion:252 Resp: 2840  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.8 26.8  
125 0.0 7.2 10.8#





#90  
Benzo(a)pyrene  
Concen: 2.73 ng  
RT: 15.374 min Scan# 2259  
Delta R.T. 0.000 min  
Lab File: BF125021.D  
Acq: 10 Aug 2021 1:55

Instrument :  
BNA\_F  
ClientSampleId :  
FK-EF-01-022-ABCD

Tgt Ion:252 Resp: 1373  
Ion Ratio Lower Upper  
252 100  
253 24.0 18.4 27.6  
125 0.0 9.9 14.9#

