

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080921\  
 Data File : BF125023.D  
 Acq On : 10 Aug 2021 2:59  
 Operator : JU/CG  
 Sample : M3314-01 2X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11931

Quant Time: Aug 10 04:48:21 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

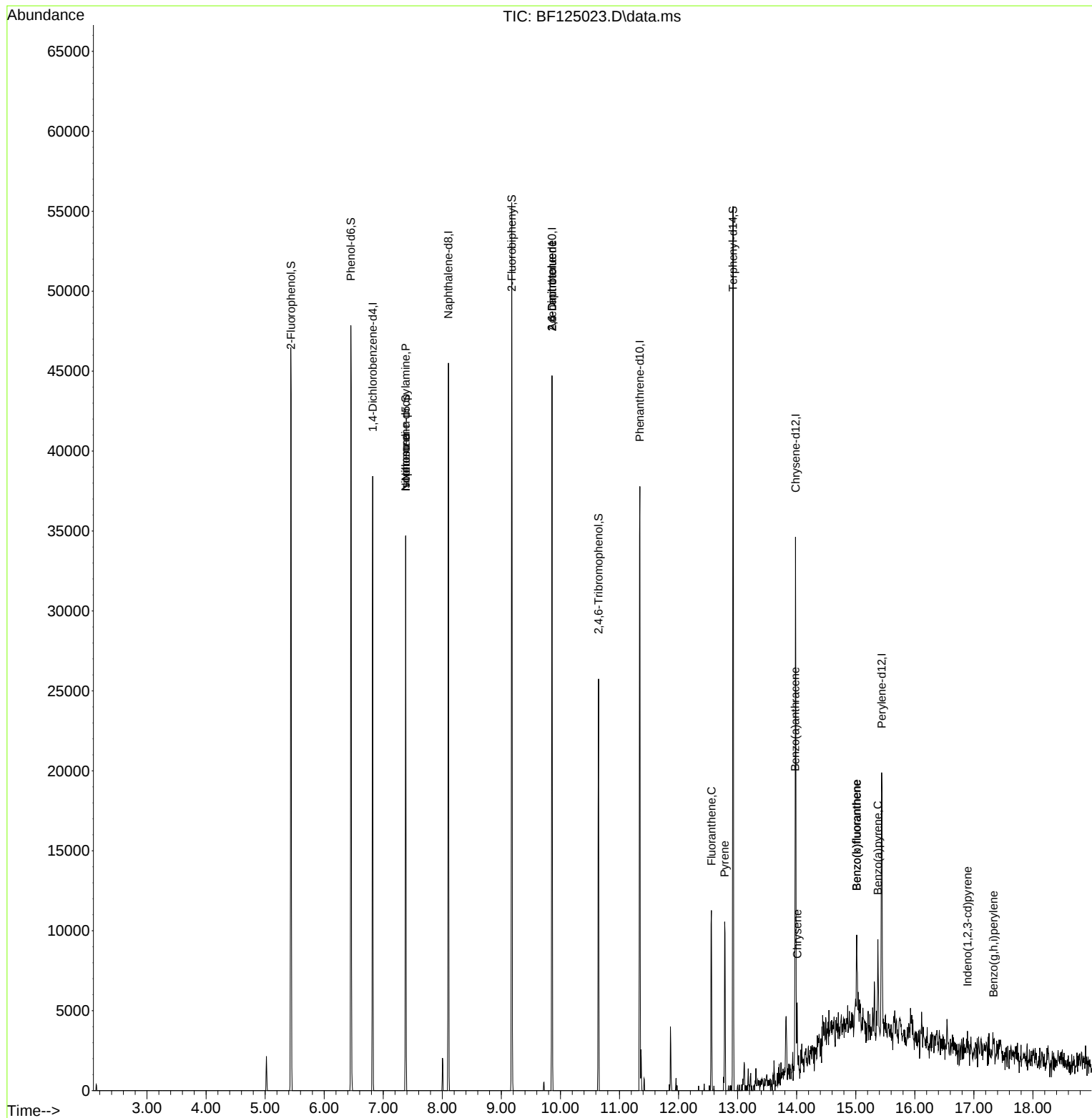
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.822  | 152  | 5652     | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 18161    | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.857  | 164  | 8700     | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.345 | 188  | 15275    | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.980 | 240  | 11045    | 20.00 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.439 | 264  | 7967     | 20.00 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.440  | 112  | 12567    | 36.42 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.451  | 99   | 14742    | 33.88 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.381  | 82   | 9524     | 27.43 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.645 | 330  | 2828     | 36.38 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.175  | 172  | 16473    | 27.71 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.921 | 244  | 18266    | 27.90 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.381  | 70   | 1103     | 4.27  | ng    | # 75     |
| 25) Isophorone                | 7.381  | 82   | 9524     | 16.07 | ng    | # 59     |
| 51) 2,6-Dinitrotoluene        | 9.857  | 165  | 1000     | 7.62  | ng    | # 26     |
| 57) 2,4-Dinitrotoluene        | 9.857  | 165  | 1000     | 5.61  | ng    | # 18     |
| 75) Fluoranthene              | 12.557 | 202  | 5353     | 6.24  | ng    | 98       |
| 78) Pyrene                    | 12.780 | 202  | 5508     | 6.33  | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.974 | 228  | 2917     | 4.05  | ng    | 95       |
| 83) Chrysene                  | 14.010 | 228  | 2668     | 3.83  | ng    | 95       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.892 | 276  | 1433     | 3.02  | ng    | # 56     |
| 88) Benzo(b)fluoranthene      | 15.015 | 252  | 4503     | 8.05  | ng    | 94       |
| 89) Benzo(k)fluoranthene      | 15.015 | 252  | 4503     | 8.85  | ng    | # 89     |
| 90) Benzo(a)pyrene            | 15.374 | 252  | 2588     | 5.43  | ng    | # 88     |
| 92) Benzo(g,h,i)perylene      | 17.333 | 276  | 1329     | 3.32  | ng    | # 47     |
| -----                         |        |      |          |       |       |          |

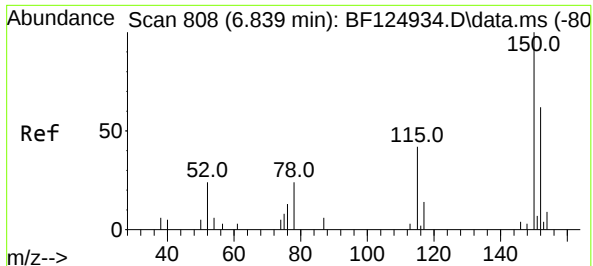
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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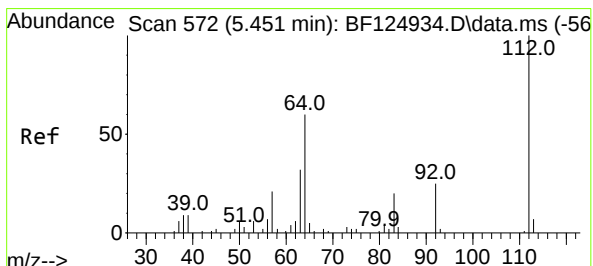
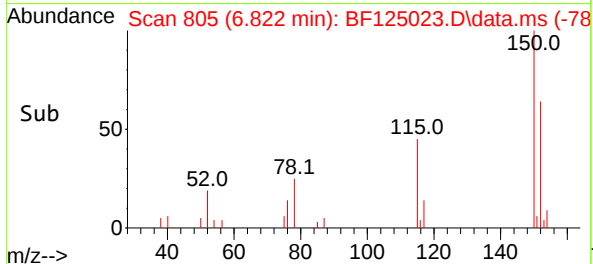
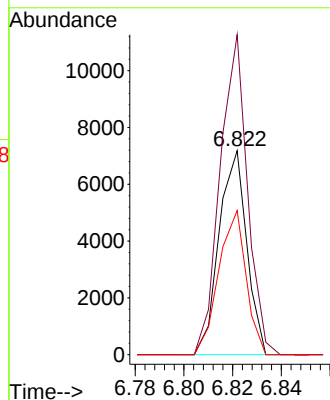
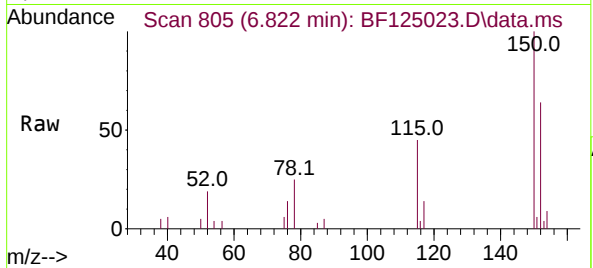




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.822 min Scan# 805  
Delta R.T. -0.000 min  
Lab File: BF125023.D  
Acq: 10 Aug 2021 2:59

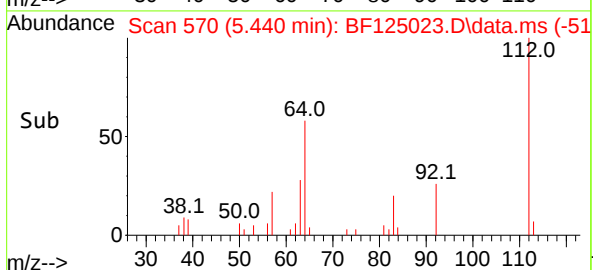
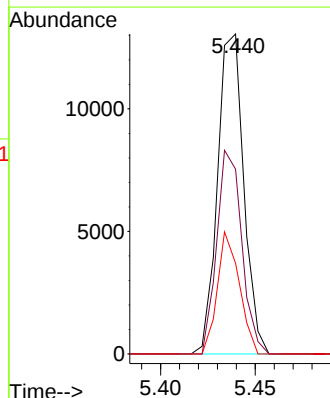
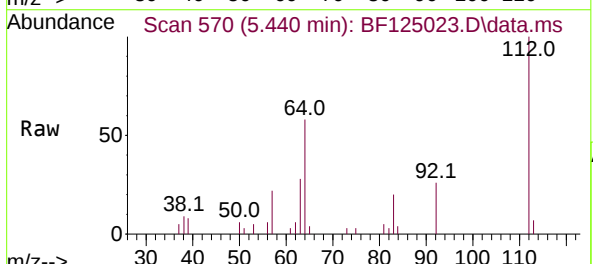
Instrument :  
BNA\_F  
ClientSampleId :  
72-11931

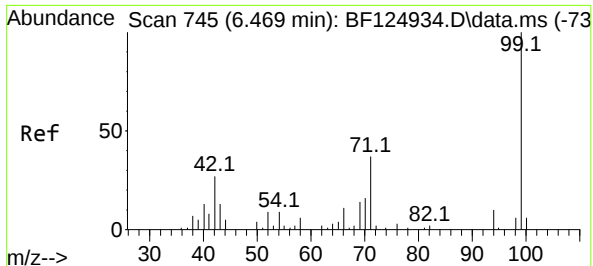
Tgt Ion:152 Resp: 5652  
Ion Ratio Lower Upper  
152 100  
150 156.9 117.6 176.4  
115 70.7 47.1 70.7



#5  
2-Fluorophenol  
Concen: 36.42 ng  
RT: 5.440 min Scan# 570  
Delta R.T. 0.000 min  
Lab File: BF125023.D  
Acq: 10 Aug 2021 2:59

Tgt Ion:112 Resp: 12567  
Ion Ratio Lower Upper  
112 100  
64 57.8 44.2 66.2  
63 28.3 26.2 39.2

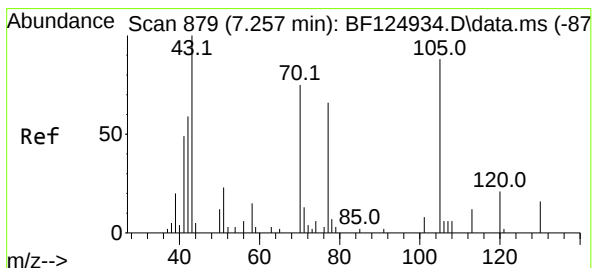
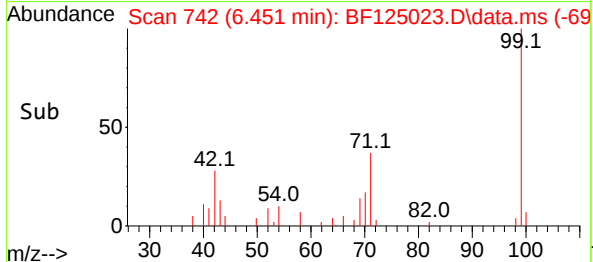
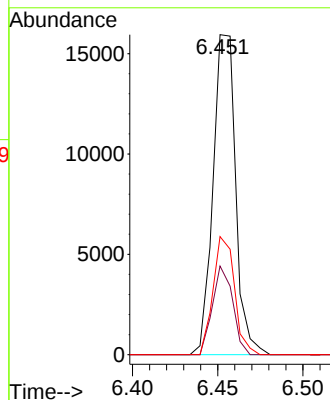
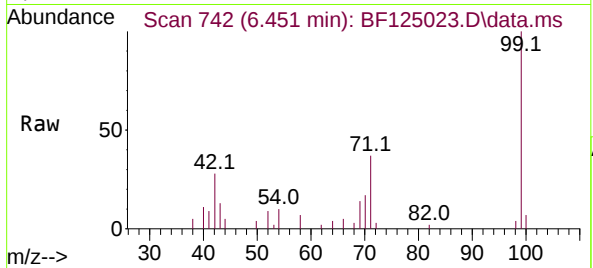




#7  
Phenol-d6  
Concen: 33.88 ng  
RT: 6.451 min Scan# 742  
Delta R.T. -0.006 min  
Lab File: BF125023.D  
Acq: 10 Aug 2021 2:59

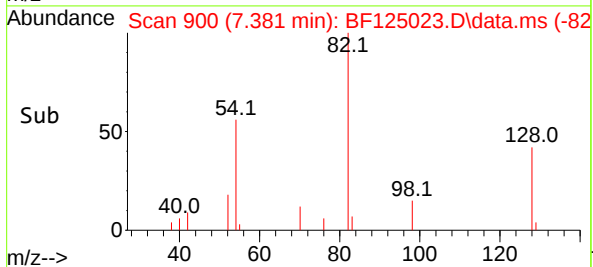
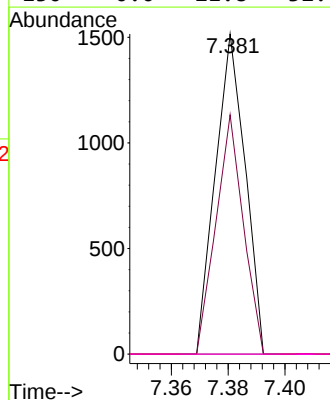
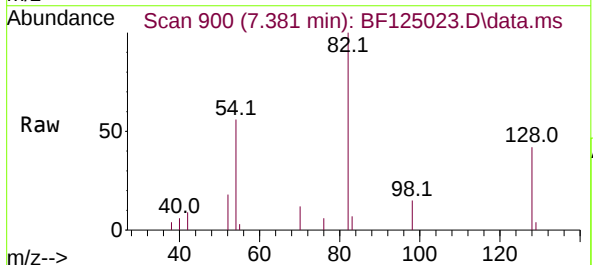
Instrument :  
BNA\_F  
ClientSampleId :  
72-11931

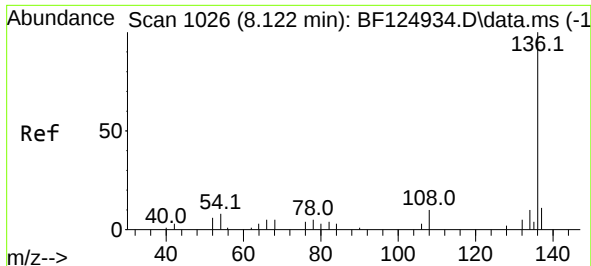
Tgt Ion: 99 Resp: 14742  
Ion Ratio Lower Upper  
99 100  
42 27.7 23.5 35.3  
71 36.9 25.6 38.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 4.27 ng  
RT: 7.381 min Scan# 900  
Delta R.T. 0.141 min  
Lab File: BF125023.D  
Acq: 10 Aug 2021 2:59

Tgt Ion: 70 Resp: 1103  
Ion Ratio Lower Upper  
70 100  
42 74.7 72.2 108.2  
101 0.0 7.8 11.8#  
130 0.0 21.8 32.6#

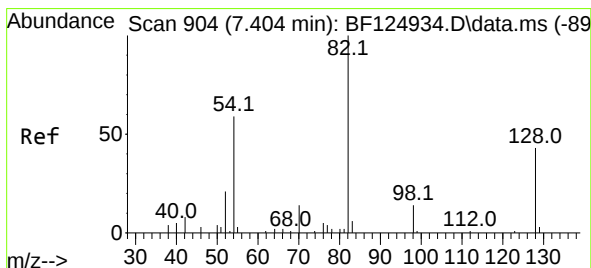
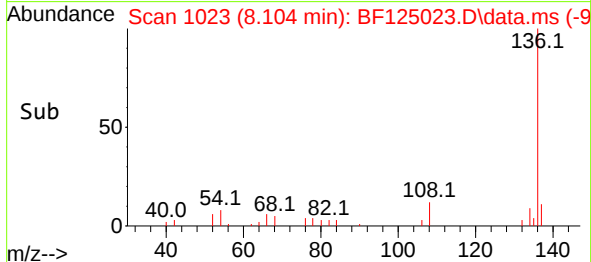
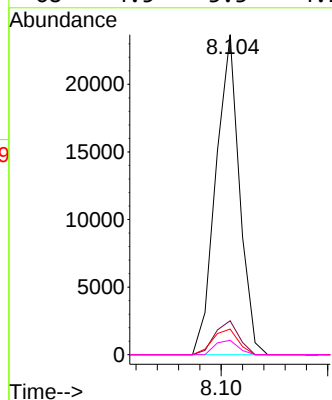
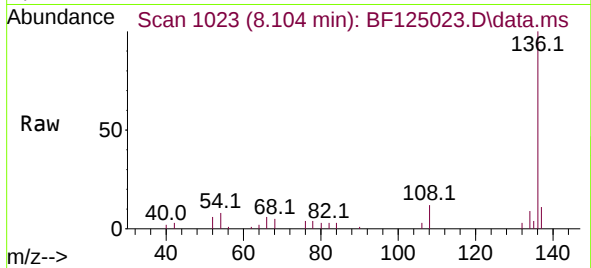




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.104 min Scan# 1023  
Delta R.T. 0.000 min  
Lab File: BF125023.D  
Acq: 10 Aug 2021 2:59

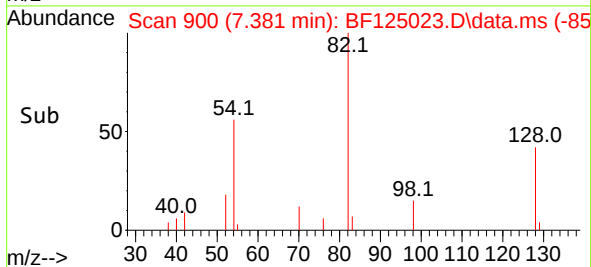
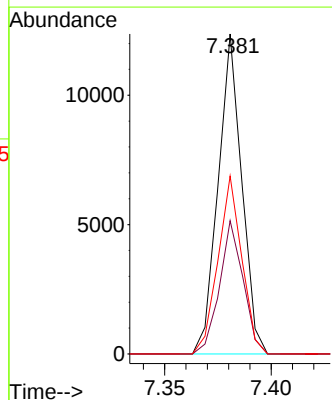
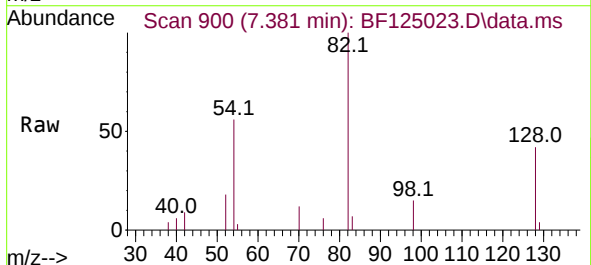
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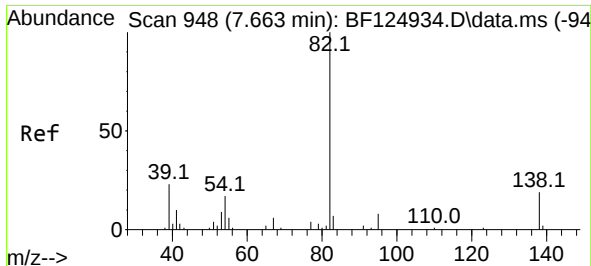
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 18161    |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.6  | 9.8 14.6 |
| 54          | 8.0   | 6.4 9.6  |
| 68          | 4.5   | 3.3 4.9  |



#23  
Nitrobenzene-d5  
Concen: 27.43 ng  
RT: 7.381 min Scan# 900  
Delta R.T. -0.012 min  
Lab File: BF125023.D  
Acq: 10 Aug 2021 2:59

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 9524      |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 41.6  | 40.6 60.8 |
| 54          | 55.6  | 49.6 74.4 |

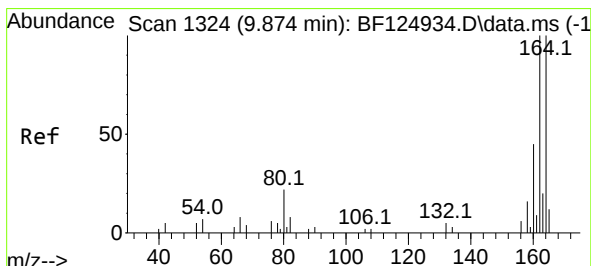
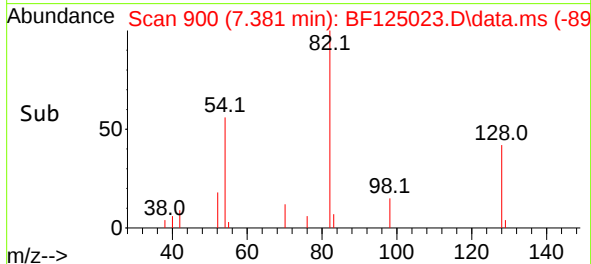
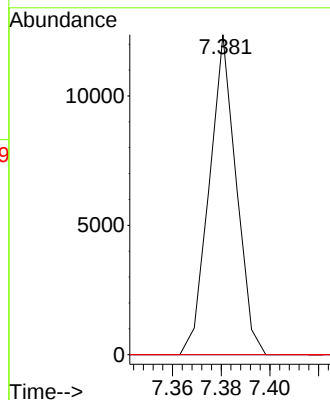
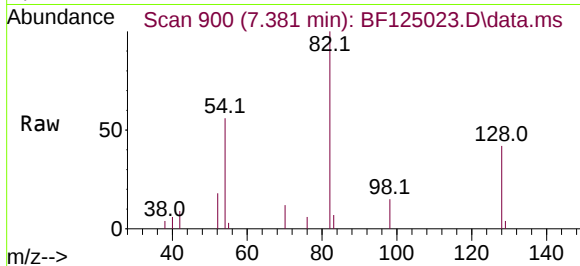




#25  
Isophorone  
Concen: 16.07 ng  
RT: 7.381 min Scan# 900  
Delta R.T. -0.265 min  
Lab File: BF125023.D  
Acq: 10 Aug 2021 2:59

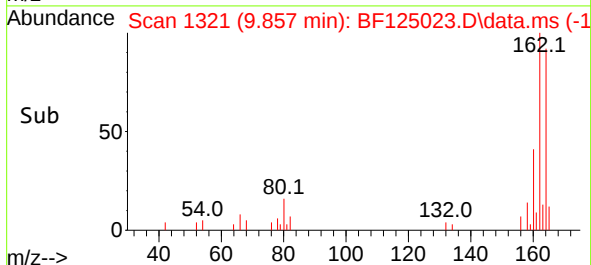
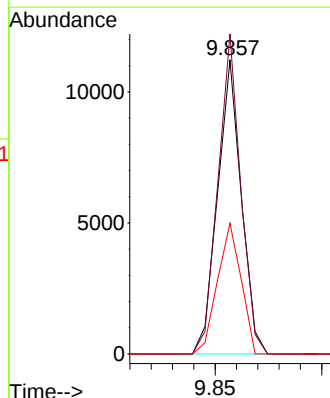
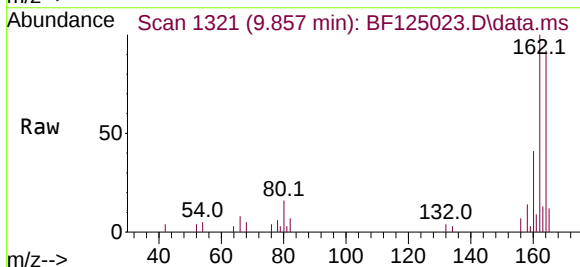
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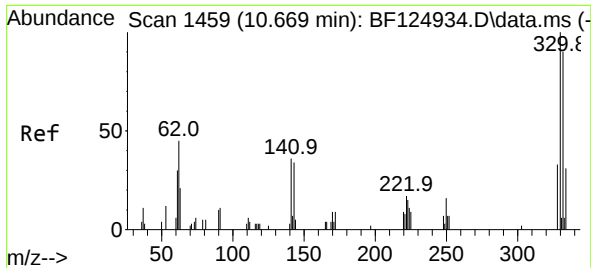
Tgt Ion: 82 Resp: 9524  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 18.4 27.6#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. -0.006 min  
Lab File: BF125023.D  
Acq: 10 Aug 2021 2:59

Tgt Ion: 164 Resp: 8700  
Ion Ratio Lower Upper  
164 100  
162 108.7 81.3 121.9  
160 44.4 38.0 57.0

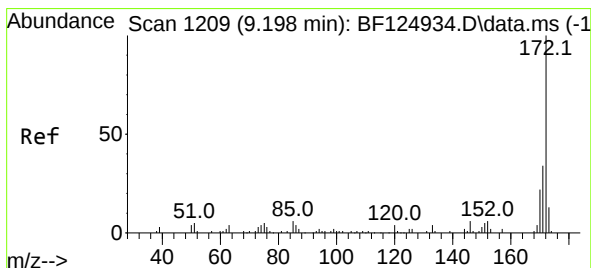
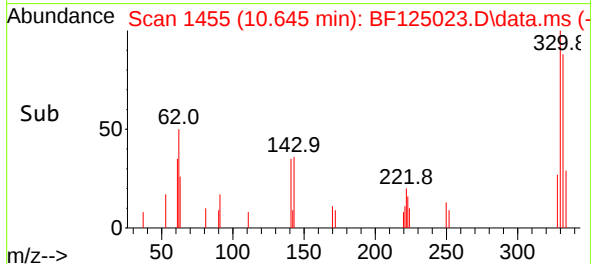
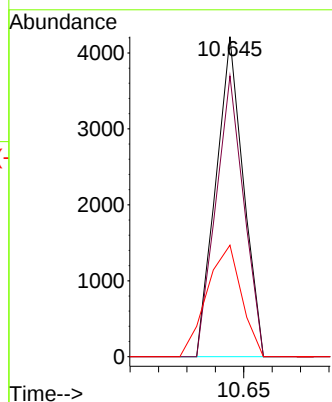
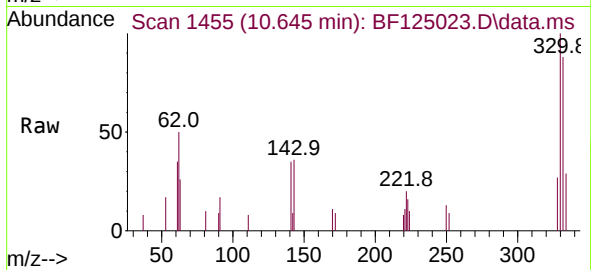




#42  
2,4,6-Tribromophenol  
Concen: 36.38 ng  
RT: 10.645 min Scan# 1455  
Delta R.T. -0.006 min  
Lab File: BF125023.D  
Acq: 10 Aug 2021 2:59

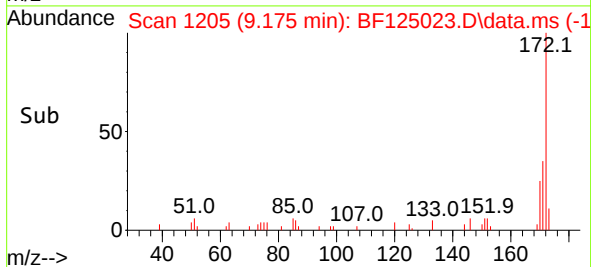
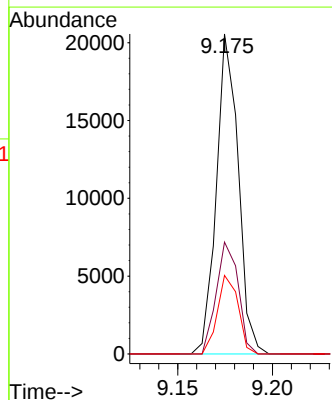
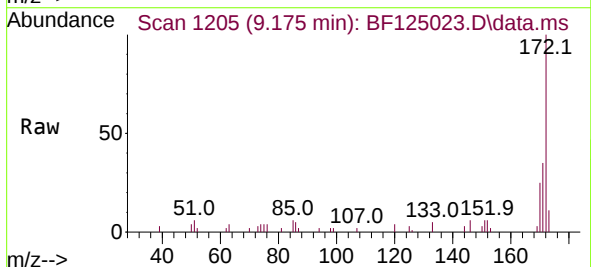
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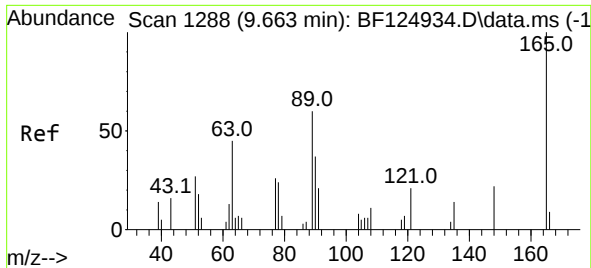
Tgt Ion: 330 Resp: 2828  
Ion Ratio Lower Upper  
330 100  
332 89.0 76.2 114.4  
141 44.1 44.6 66.8#



#45  
2-Fluorobiphenyl  
Concen: 27.71 ng  
RT: 9.175 min Scan# 1205  
Delta R.T. -0.006 min  
Lab File: BF125023.D  
Acq: 10 Aug 2021 2:59

Tgt Ion: 172 Resp: 16473  
Ion Ratio Lower Upper  
172 100  
171 34.9 26.5 39.7  
170 24.6 18.8 28.2

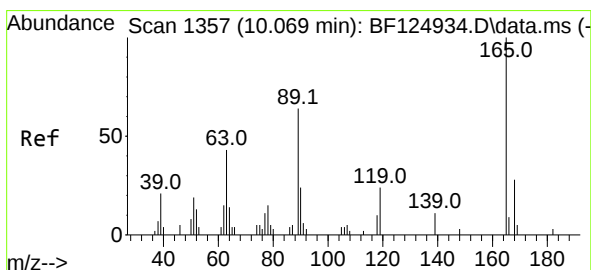
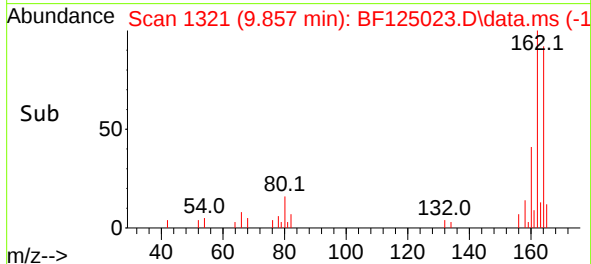
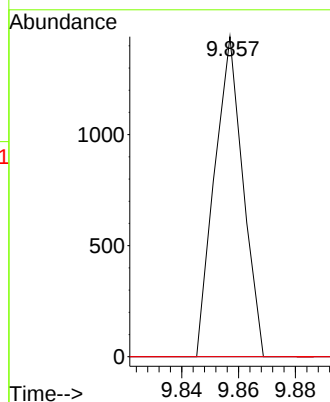
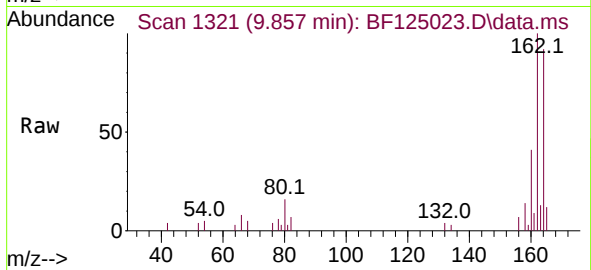




#51  
2,6-Dinitrotoluene  
Concen: 7.62 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. 0.212 min  
Lab File: BF125023.D  
Acq: 10 Aug 2021 2:59

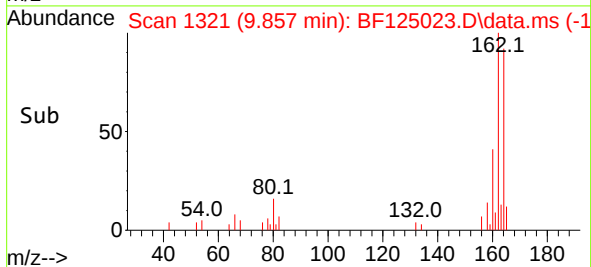
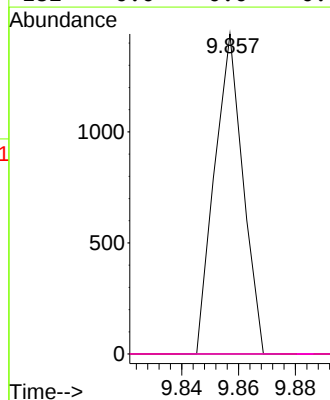
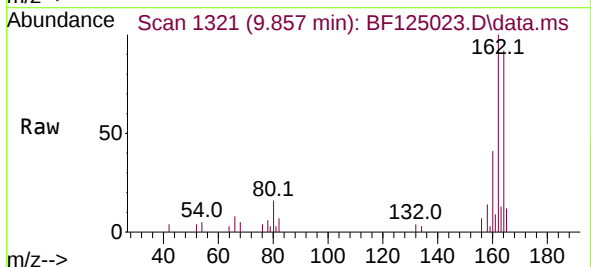
Instrument :  
BNA\_F  
ClientSampleId :  
72-11931

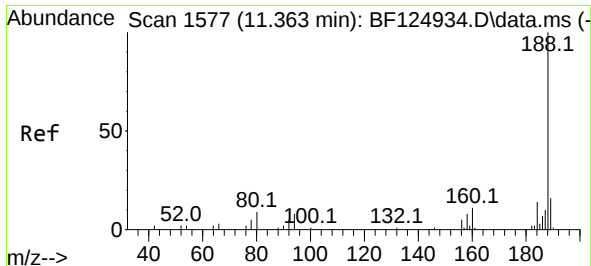
Tgt Ion:165 Resp: 1000  
Ion Ratio Lower Upper  
165 100  
63 0.0 42.6 63.8#  
89 0.0 40.6 60.8#



#57  
2,4-Dinitrotoluene  
Concen: 5.61 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. -0.194 min  
Lab File: BF125023.D  
Acq: 10 Aug 2021 2:59

Tgt Ion:165 Resp: 1000  
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

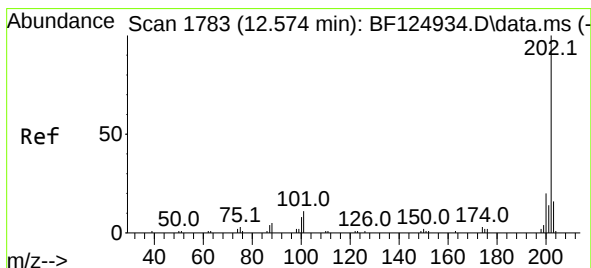
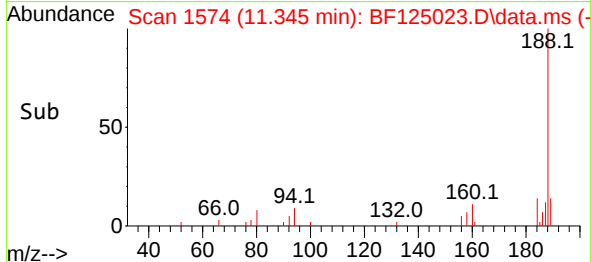
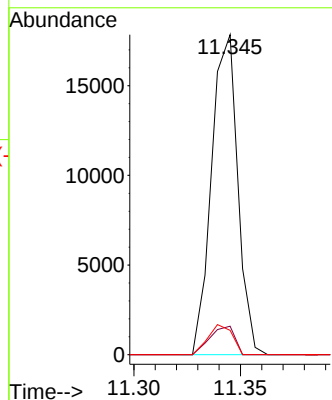
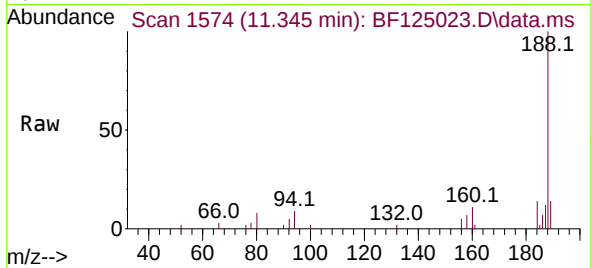




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.345 min Scan# 1574  
Delta R.T. 0.000 min  
Lab File: BF125023.D  
Acq: 10 Aug 2021 2:59

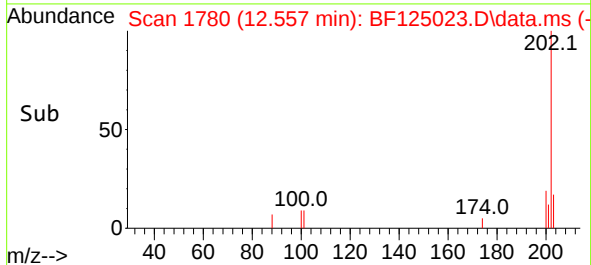
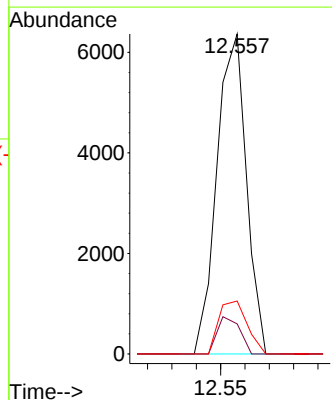
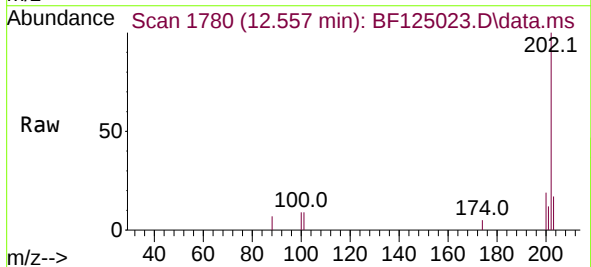
Instrument :  
BNA\_F  
ClientSampleId :  
72-11931

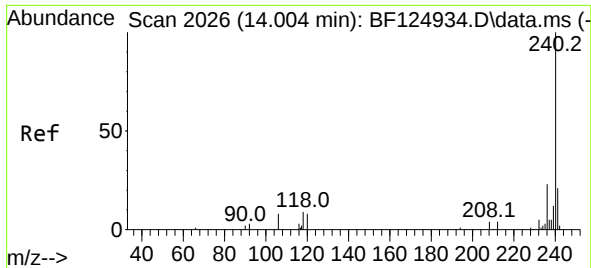
Tgt Ion:188 Resp: 15275  
Ion Ratio Lower Upper  
188 100  
94 8.9 6.7 10.1  
80 7.6 7.5 11.3



#75  
Fluoranthene  
Concen: 6.24 ng  
RT: 12.557 min Scan# 1780  
Delta R.T. 0.000 min  
Lab File: BF125023.D  
Acq: 10 Aug 2021 2:59

Tgt Ion:202 Resp: 5353  
Ion Ratio Lower Upper  
202 100  
101 9.4 0.0 30.7  
203 16.6 0.0 36.3

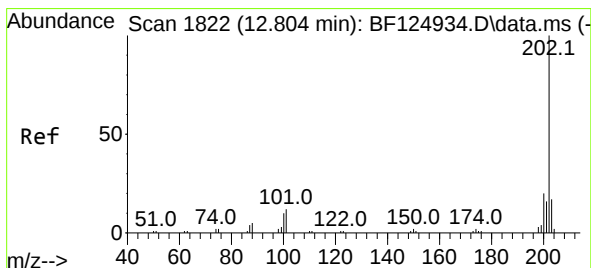
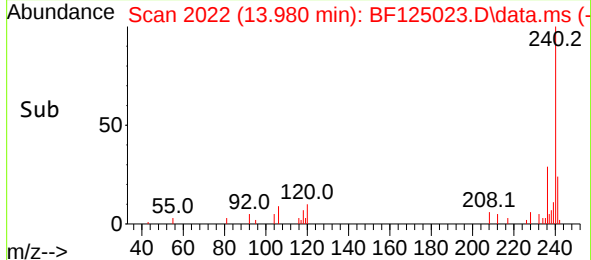
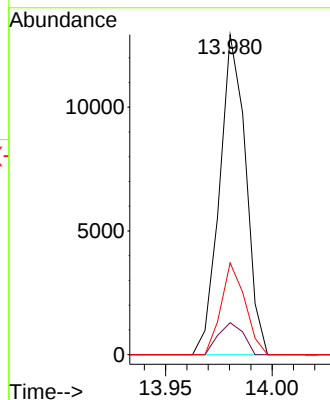
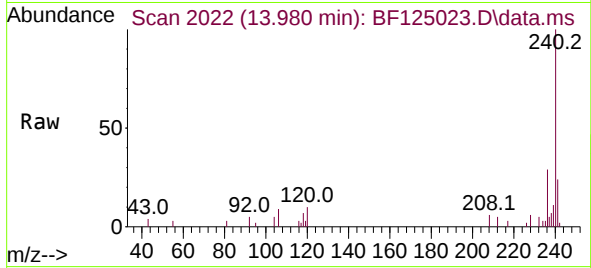




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.980 min Scan# 2022  
Delta R.T. -0.006 min  
Lab File: BF125023.D  
Acq: 10 Aug 2021 2:59

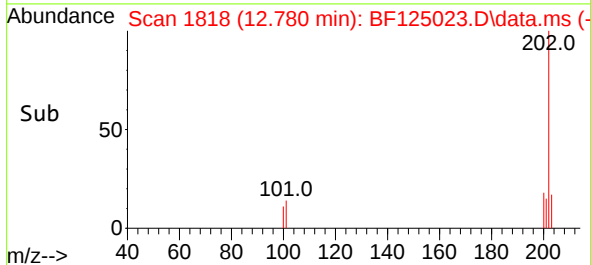
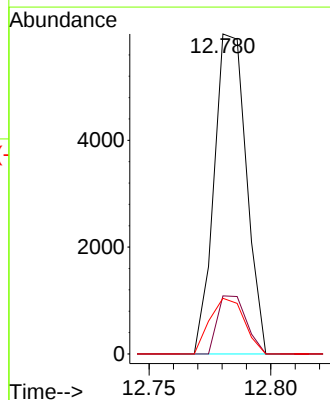
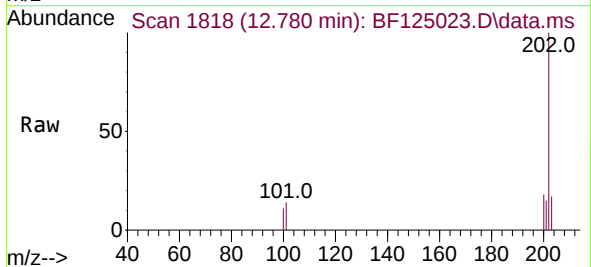
Instrument :  
BNA\_F  
ClientSampleId :  
72-11931

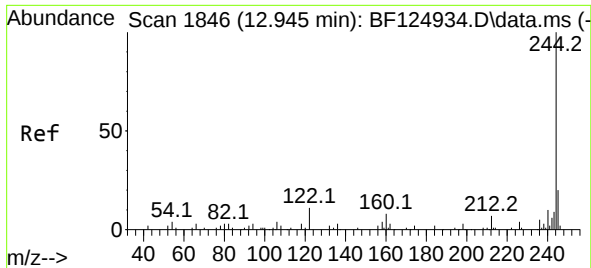
Tgt Ion:240 Resp: 11045  
Ion Ratio Lower Upper  
240 100  
120 10.0 10.8 16.2#  
236 28.7 21.6 32.4



#78  
Pyrene  
Concen: 6.33 ng  
RT: 12.780 min Scan# 1818  
Delta R.T. -0.006 min  
Lab File: BF125023.D  
Acq: 10 Aug 2021 2:59

Tgt Ion:202 Resp: 5508  
Ion Ratio Lower Upper  
202 100  
200 18.1 15.3 22.9  
203 17.4 13.4 20.0

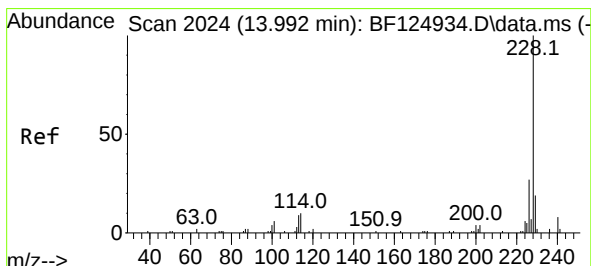
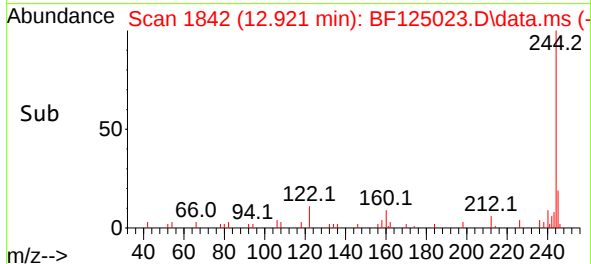
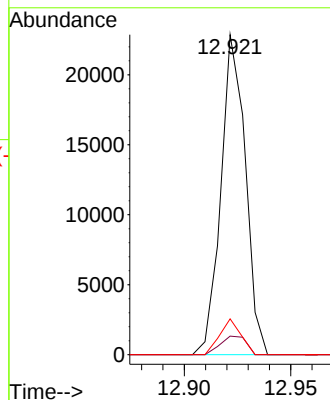
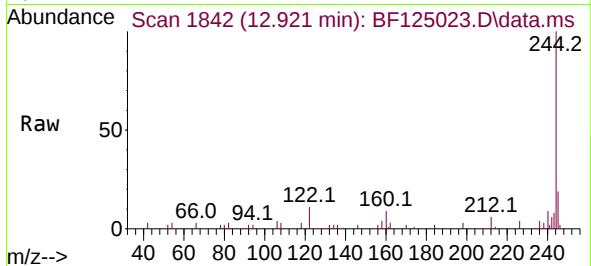




#79  
 Terphenyl-d14  
 Concen: 27.90 ng  
 RT: 12.921 min Scan# 1842  
 Delta R.T. -0.006 min  
 Lab File: BF125023.D  
 Acq: 10 Aug 2021 2:59

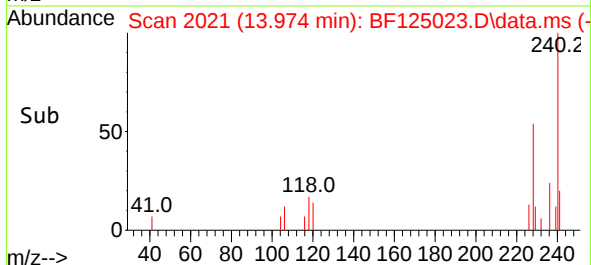
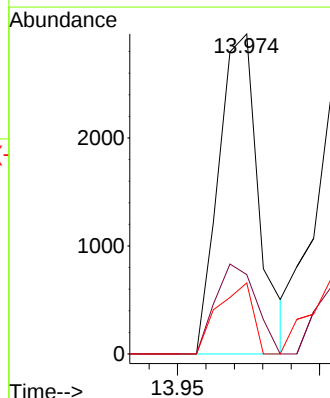
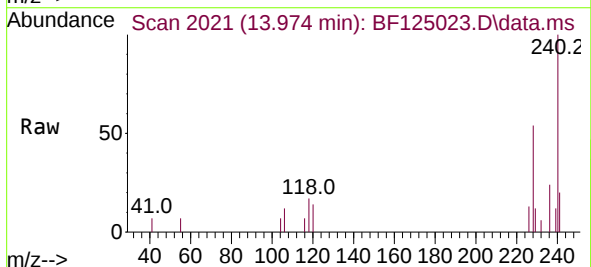
Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11931

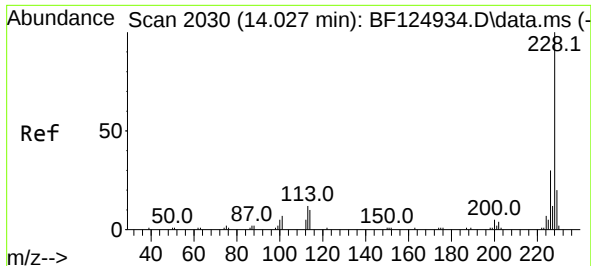
Tgt Ion:244 Resp: 18266  
 Ion Ratio Lower Upper  
 244 100  
 212 5.8 5.9 8.9#  
 122 11.2 9.0 13.4



#81  
 Benzo(a)anthracene  
 Concen: 4.05 ng  
 RT: 13.974 min Scan# 2021  
 Delta R.T. 0.000 min  
 Lab File: BF125023.D  
 Acq: 10 Aug 2021 2:59

Tgt Ion:228 Resp: 2917  
 Ion Ratio Lower Upper  
 228 100  
 226 24.8 21.6 32.4  
 229 22.2 15.6 23.4

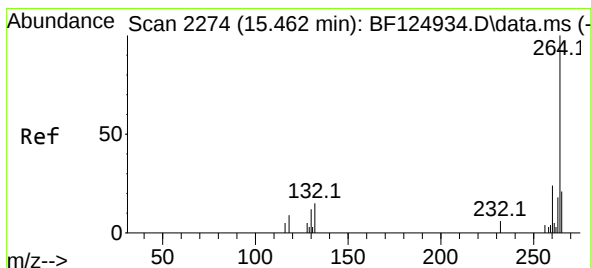
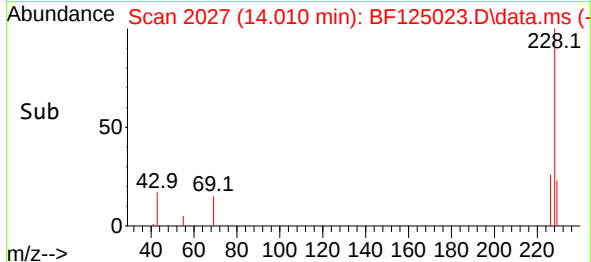
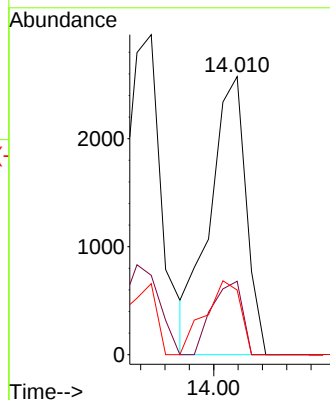
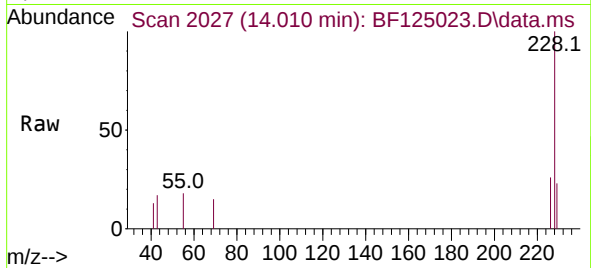




#83  
Chrysene  
Concen: 3.83 ng  
RT: 14.010 min Scan# 2027  
Delta R.T. 0.000 min  
Lab File: BF125023.D  
Acq: 10 Aug 2021 2:59

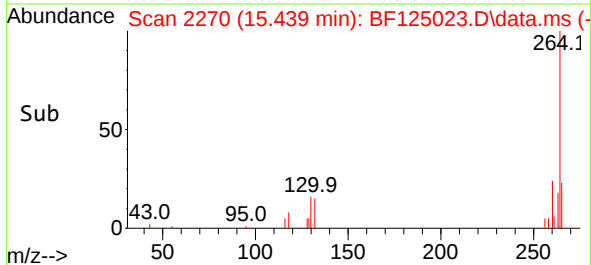
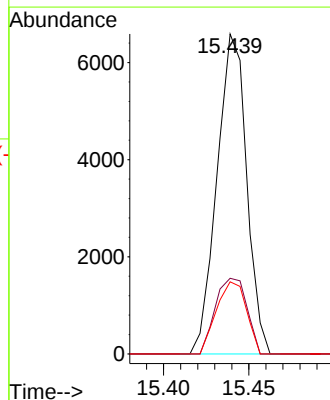
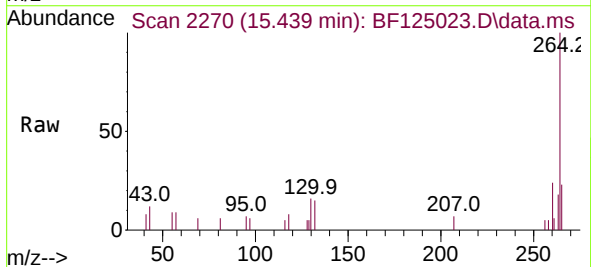
Instrument :  
BNA\_F  
ClientSampled :  
72-11931

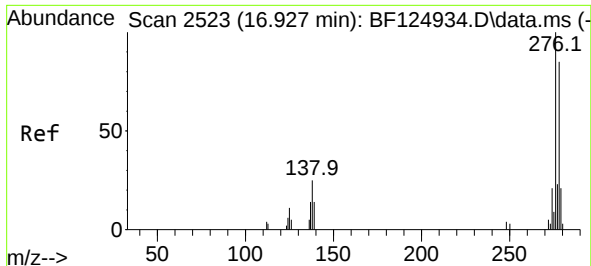
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 2668      |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 26.4  | 22.6 34.0 |
| 229         | 23.2  | 15.9 23.9 |



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.439 min Scan# 2270  
Delta R.T. 0.000 min  
Lab File: BF125023.D  
Acq: 10 Aug 2021 2:59

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 7967      |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 23.6  | 19.6 29.4 |
| 265         | 22.6  | 17.2 25.8 |

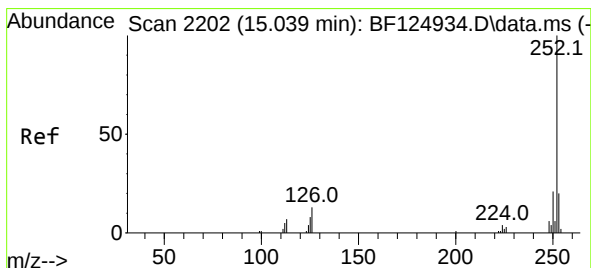
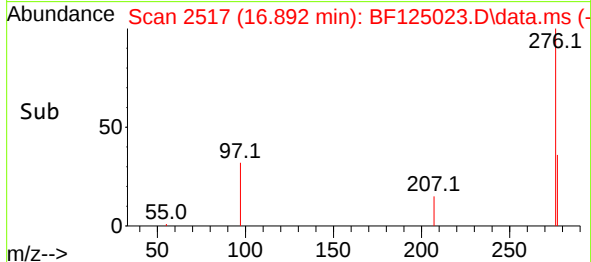
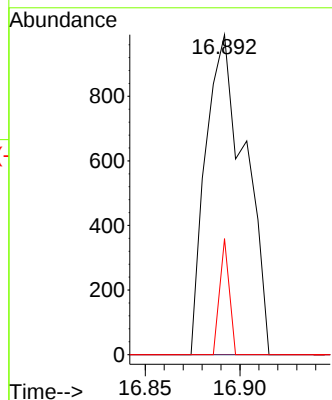
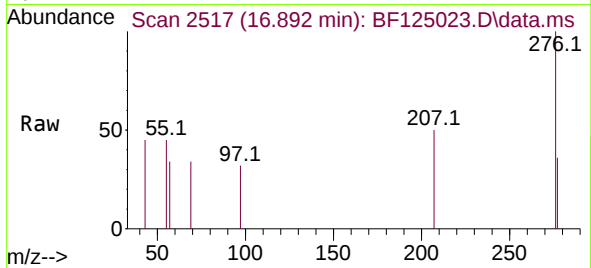




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 3.02 ng  
RT: 16.892 min Scan# 2517  
Delta R.T. 0.000 min  
Lab File: BF125023.D  
Acq: 10 Aug 2021 2:59

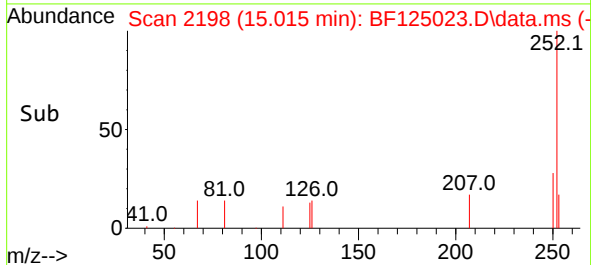
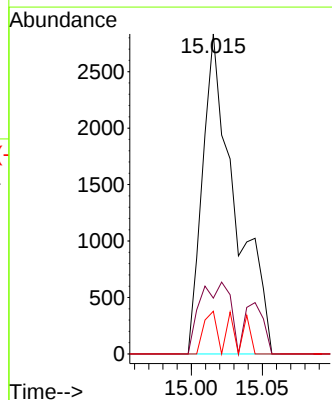
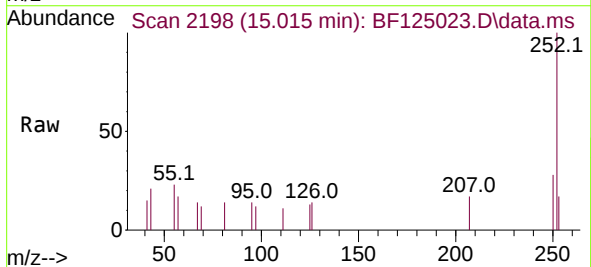
Instrument :  
BNA\_F  
ClientSampleId :  
72-11931

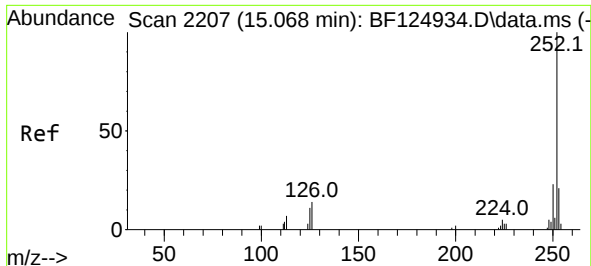
Tgt Ion:276 Resp: 1433  
Ion Ratio Lower Upper  
276 100  
138 0.0 24.1 36.1#  
277 8.9 18.8 28.2#



#88  
Benzo(b)fluoranthene  
Concen: 8.05 ng  
RT: 15.015 min Scan# 2198  
Delta R.T. 0.000 min  
Lab File: BF125023.D  
Acq: 10 Aug 2021 2:59

Tgt Ion:252 Resp: 4503  
Ion Ratio Lower Upper  
252 100  
253 17.5 16.8 25.2  
125 13.3 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 8.85 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF125023.D

Acq: 10 Aug 2021 2:59

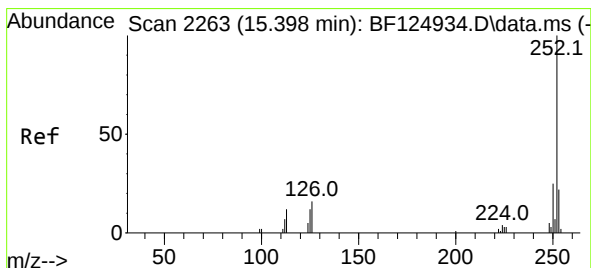
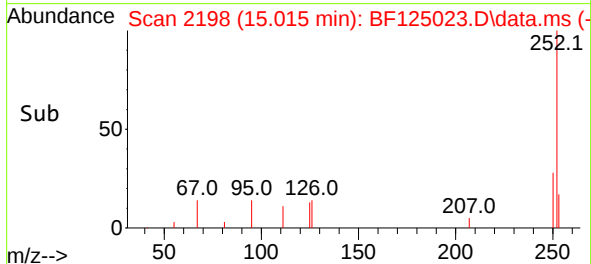
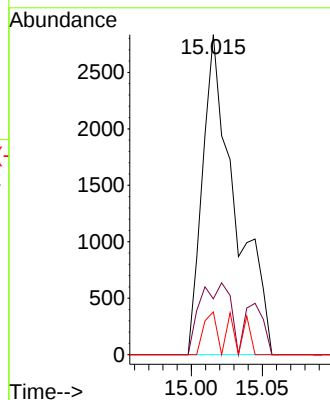
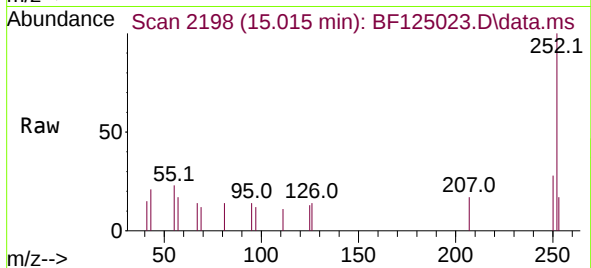
Instrument :

BNA\_F

ClientSampleId :

72-11931

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:252 | Resp: | 4503       |
| Ion Ratio   | Lower | Upper      |
| 252         | 100   |            |
| 253         | 17.5  | 17.8 26.8# |
| 125         | 13.3  | 7.2 10.8#  |



#90

Benzo(a)pyrene

Concen: 5.43 ng

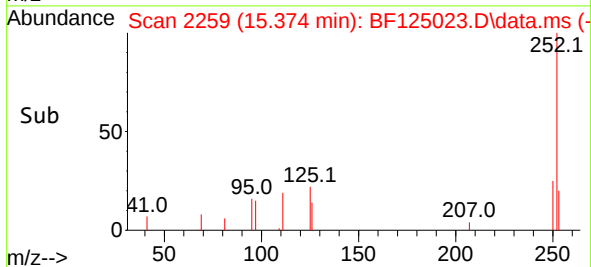
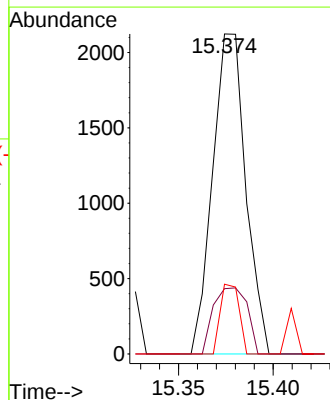
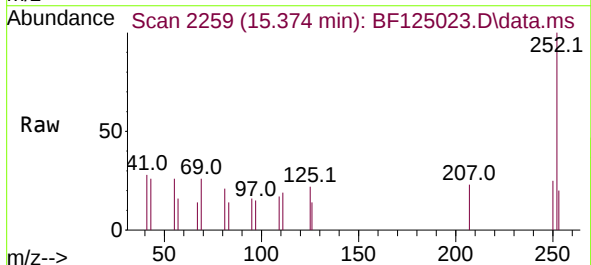
RT: 15.374 min Scan# 2259

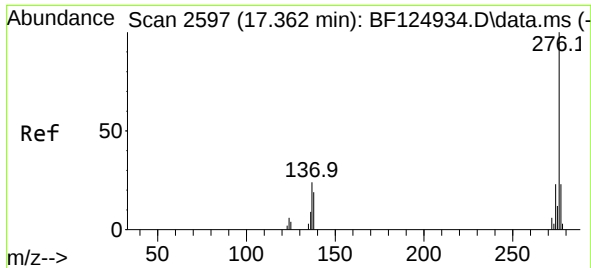
Delta R.T. 0.000 min

Lab File: BF125023.D

Acq: 10 Aug 2021 2:59

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 2588      |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 20.4  | 18.4 27.6 |
| 125         | 21.8  | 9.9 14.9# |





#92  
 Benzo(g,h,i)perylene  
 Concen: 3.32 ng  
 RT: 17.333 min Scan# 2592  
 Delta R.T. 0.006 min  
 Lab File: BF125023.D  
 Acq: 10 Aug 2021 2:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11931

Tgt Ion: 276 Resp: 1329  
 Ion Ratio Lower Upper  
 276 100  
 277 0.0 22.0 33.0#  
 138 0.0 22.2 33.4#

