

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100821\  
 Data File : BF125782.D  
 Acq On : 8 Oct 2021 14:52  
 Operator : JU/CG  
 Sample : M4112-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 2-SLAB

Quant Time: Oct 08 15:49:25 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF100721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 07 17:16:23 2021  
 Response via : Initial Calibration

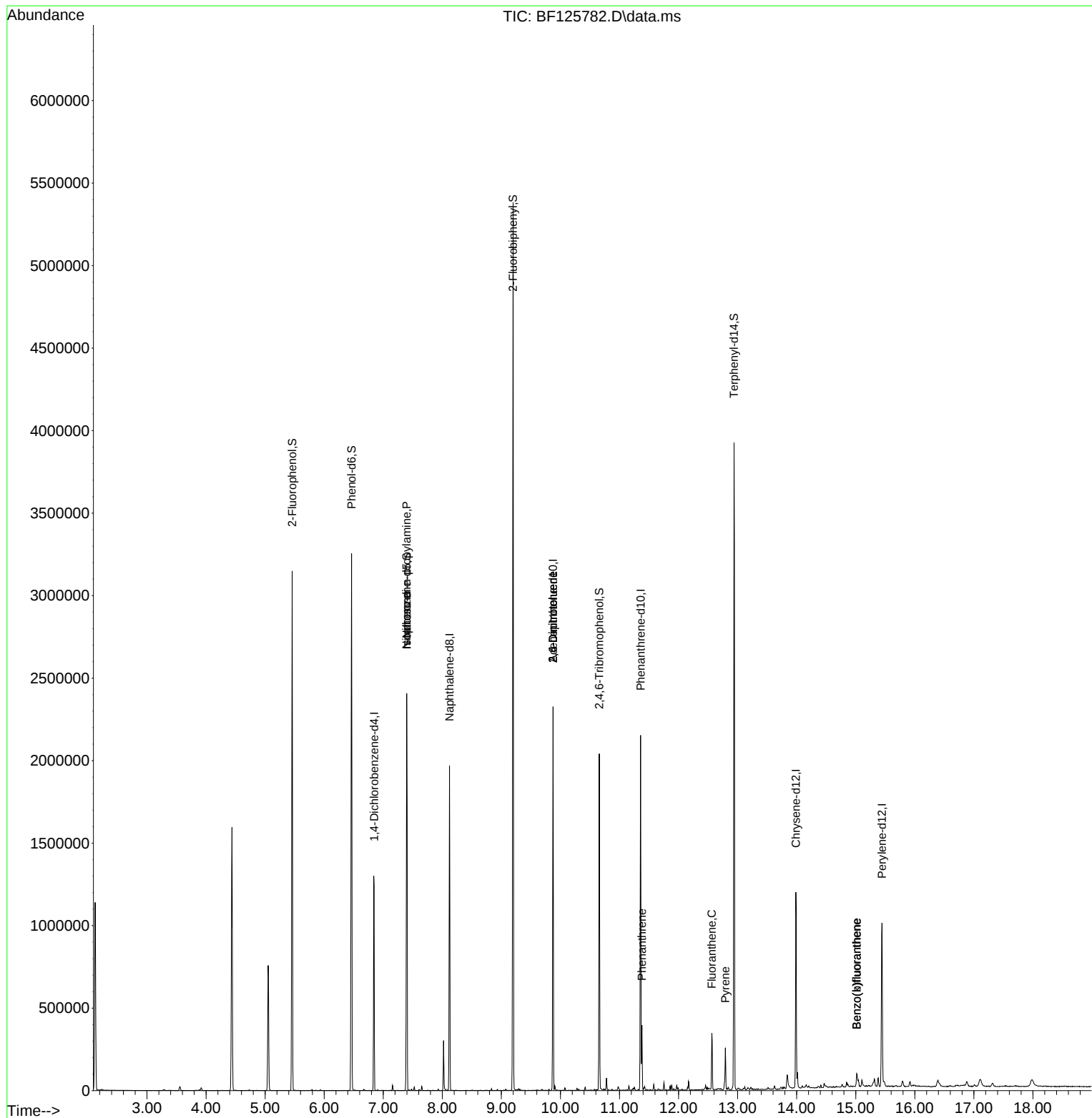
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.845  | 152  | 203881   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 837556   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.874  | 164  | 430085   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.357 | 188  | 710015   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.986 | 240  | 383478   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.445 | 264  | 438683   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.457  | 112  | 910674   | 72.969 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.463  | 99   | 1221547  | 76.032 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.398  | 82   | 769852   | 57.135 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.657 | 330  | 229266   | 53.992 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 1571279  | 63.015 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.939 | 244  | 1362264  | 54.112 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.398  | 70   | 95435    | 11.252 | ng    | # 52     |
| 25) Isophorone                | 7.398  | 82   | 769501   | 32.236 | ng    | # 59     |
| 51) 2,6-Dinitrotoluene        | 9.874  | 165  | 54069    | 9.448  | ng    | # 27     |
| 57) 2,4-Dinitrotoluene        | 9.874  | 165  | 54069    | 7.472  | ng    | # 19     |
| 71) Phenanthrene              | 11.380 | 178  | 131667   | 3.466  | ng    | 99       |
| 75) Fluoranthene              | 12.563 | 202  | 135164   | 3.943  | ng    | 97       |
| 78) Pyrene                    | 12.792 | 202  | 92043    | 2.363  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.015 | 252  | 58445    | 2.360  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.015 | 252  | 58445    | 2.298  | ng    | # 95     |
| -----                         |        |      |          |        |       |          |

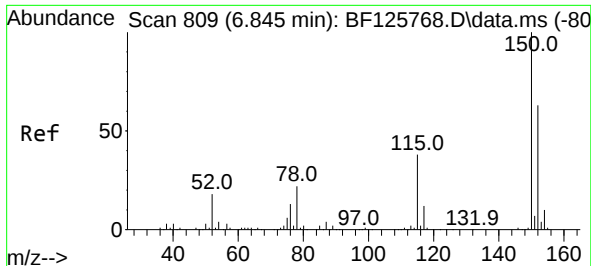
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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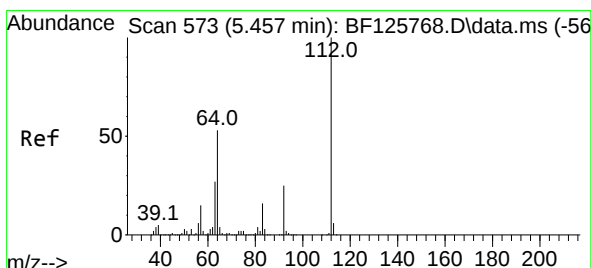
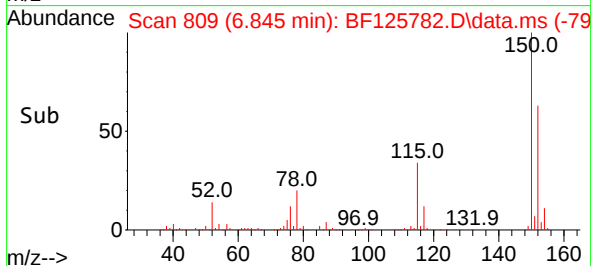
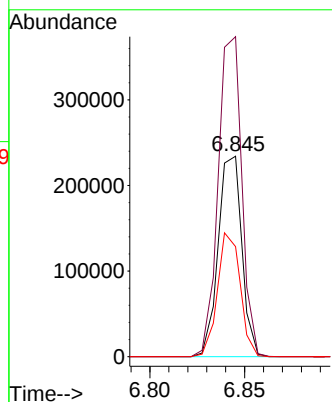
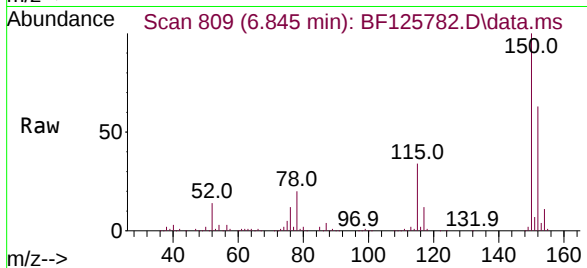




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.845 min Scan# 809  
 Delta R.T. 0.000 min  
 Lab File: BF125782.D  
 Acq: 8 Oct 2021 14:52

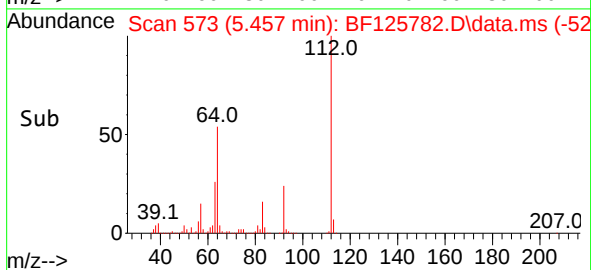
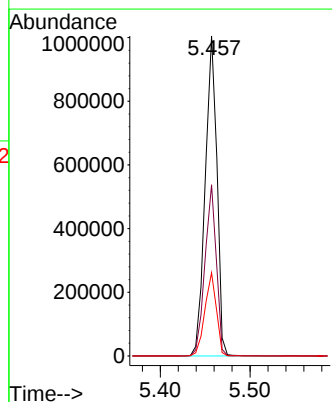
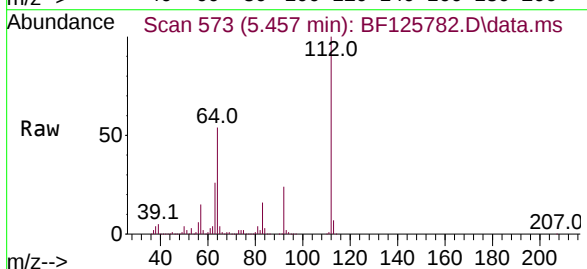
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 ClientSampleId :  
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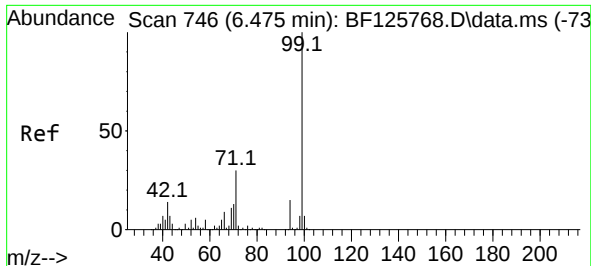
Tgt Ion:152 Resp: 203881  
 Ion Ratio Lower Upper  
 152 100  
 150 159.6 117.6 176.4  
 115 54.9 47.1 70.7



#5  
 2-Fluorophenol  
 Concen: 72.969 ng  
 RT: 5.457 min Scan# 573  
 Delta R.T. 0.000 min  
 Lab File: BF125782.D  
 Acq: 8 Oct 2021 14:52

Tgt Ion:112 Resp: 910674  
 Ion Ratio Lower Upper  
 112 100  
 64 53.5 44.2 66.2  
 63 26.0 26.2 39.2#

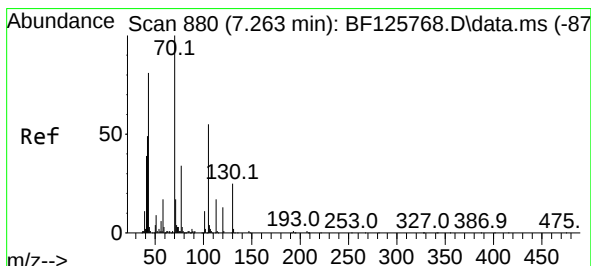
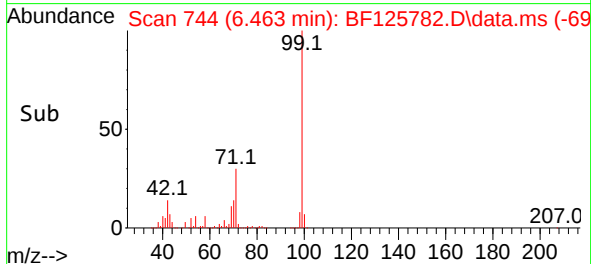
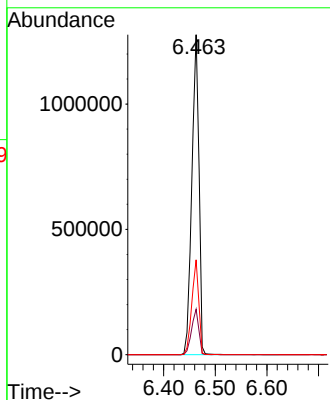
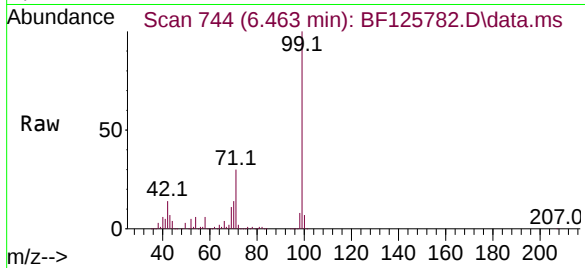




#7  
Phenol-d6  
Concen: 76.032 ng  
RT: 6.463 min Scan# 744  
Delta R.T. -0.012 min  
Lab File: BF125782.D  
Acq: 8 Oct 2021 14:52

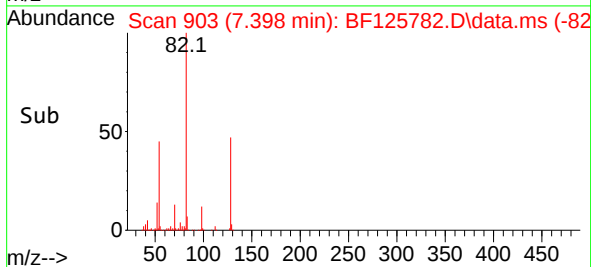
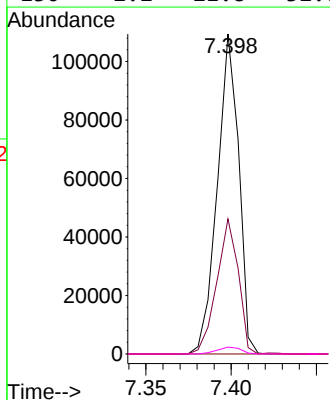
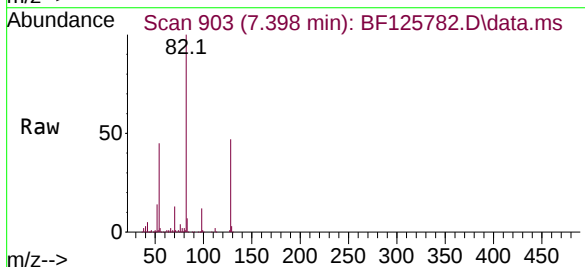
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 99 Resp: 1221547  
Ion Ratio Lower Upper  
99 100  
42 14.2 23.5 35.3#  
71 29.6 25.6 38.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 11.252 ng  
RT: 7.398 min Scan# 903  
Delta R.T. 0.135 min  
Lab File: BF125782.D  
Acq: 8 Oct 2021 14:52

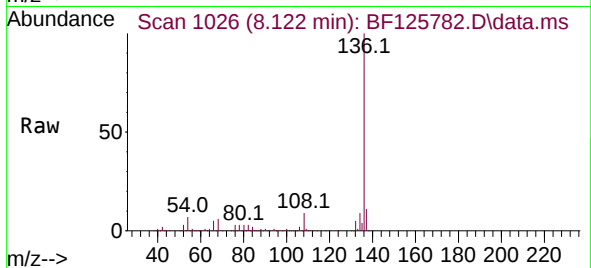
Tgt Ion: 70 Resp: 95435  
Ion Ratio Lower Upper  
70 100  
42 42.2 72.2 108.2#  
101 0.0 7.8 11.8#  
130 2.2 21.8 32.6#



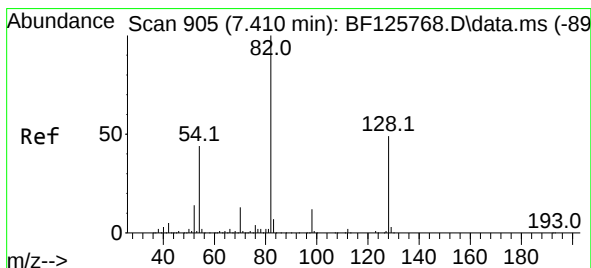
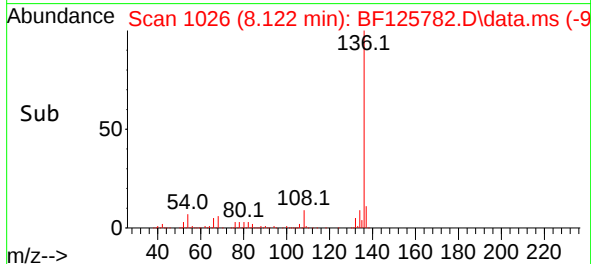
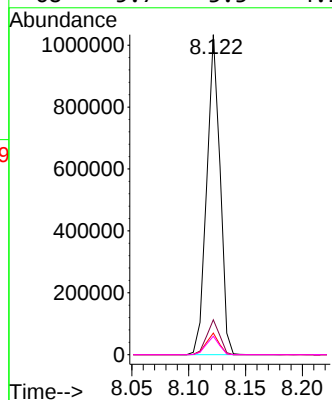


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 1026  
Delta R.T. -0.006 min  
Lab File: BF125782.D  
Acq: 8 Oct 2021 14:52

Instrument :  
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ClientSampleId :  
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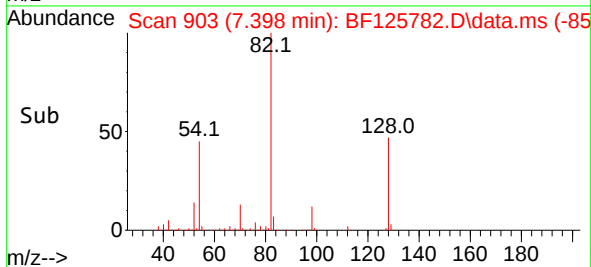
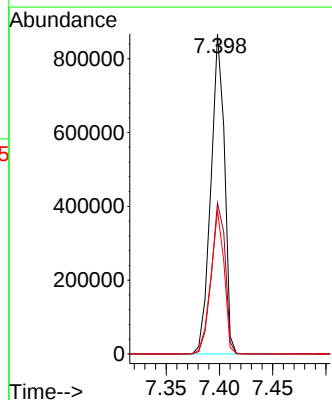
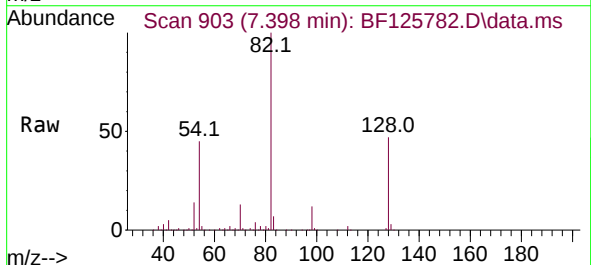


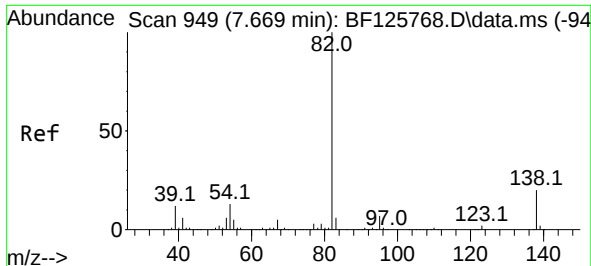
Tgt Ion:136 Resp: 837556  
Ion Ratio Lower Upper  
136 100  
137 10.9 9.8 14.6  
54 6.7 6.4 9.6  
68 5.7 3.3 4.9#



#23  
Nitrobenzene-d5  
Concen: 57.135 ng  
RT: 7.398 min Scan# 903  
Delta R.T. -0.012 min  
Lab File: BF125782.D  
Acq: 8 Oct 2021 14:52

Tgt Ion: 82 Resp: 769852  
Ion Ratio Lower Upper  
82 100  
128 47.2 40.6 60.8  
54 44.8 49.6 74.4#

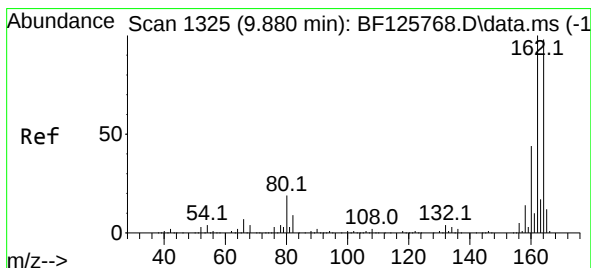
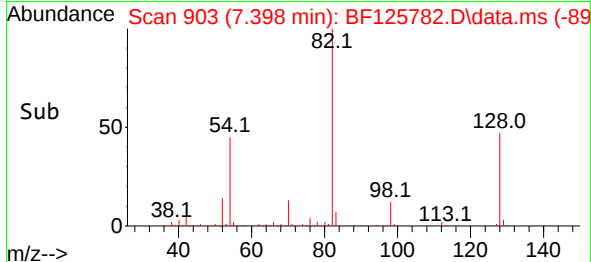
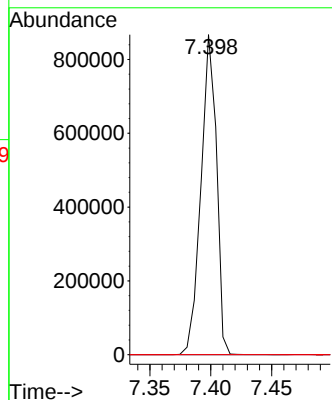
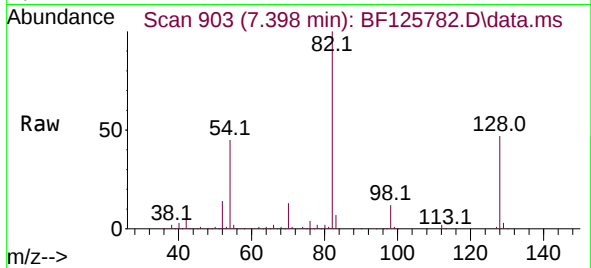




#25  
Isophorone  
Concen: 32.236 ng  
RT: 7.398 min Scan# 903  
Delta R.T. -0.271 min  
Lab File: BF125782.D  
Acq: 8 Oct 2021 14:52

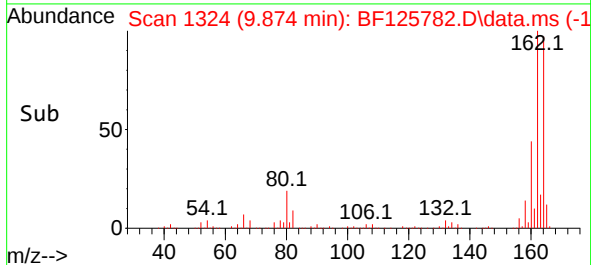
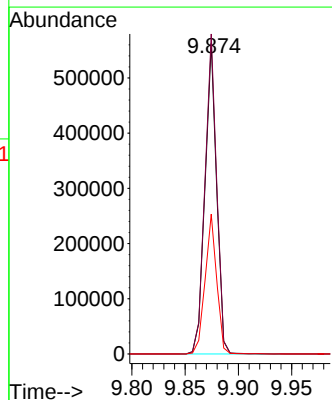
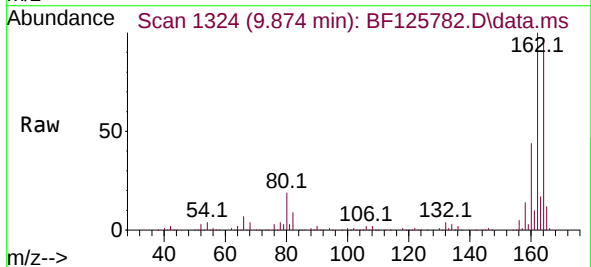
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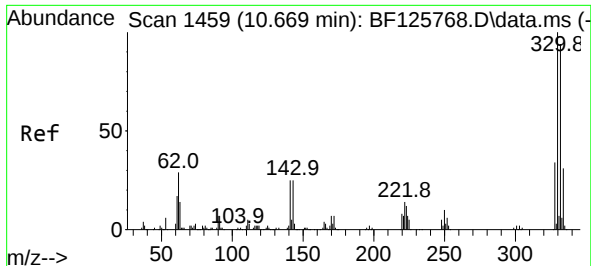
Tgt Ion: 82 Resp: 769501  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 18.4 27.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.874 min Scan# 1324  
Delta R.T. -0.006 min  
Lab File: BF125782.D  
Acq: 8 Oct 2021 14:52

Tgt Ion: 164 Resp: 430085  
Ion Ratio Lower Upper  
164 100  
162 103.0 81.3 121.9  
160 45.0 38.0 57.0

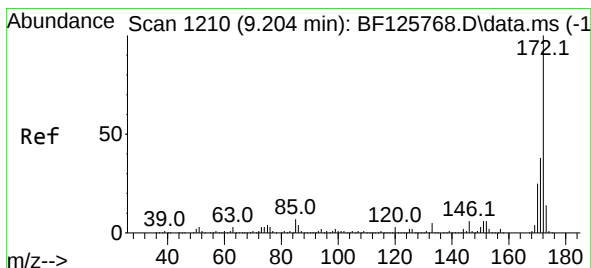
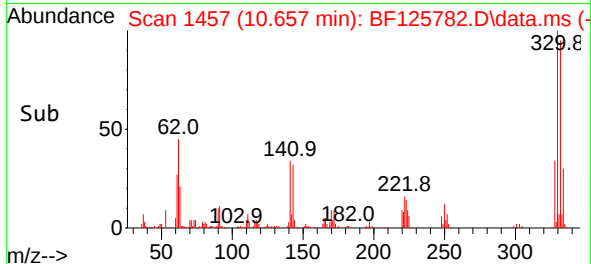
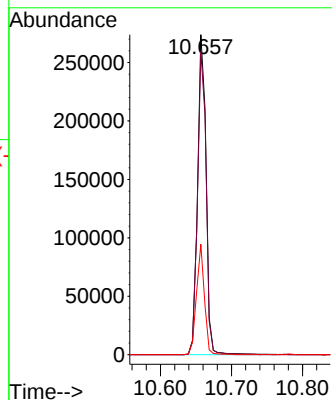
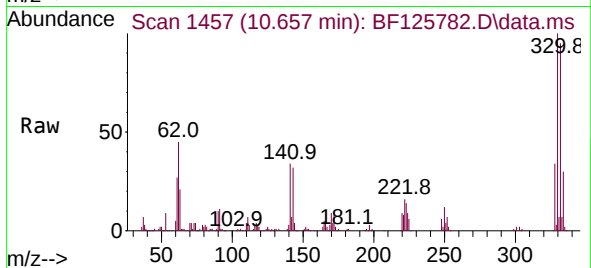




#42  
2,4,6-Tribromophenol  
Concen: 53.992 ng  
RT: 10.657 min Scan# 1457  
Delta R.T. -0.012 min  
Lab File: BF125782.D  
Acq: 8 Oct 2021 14:52

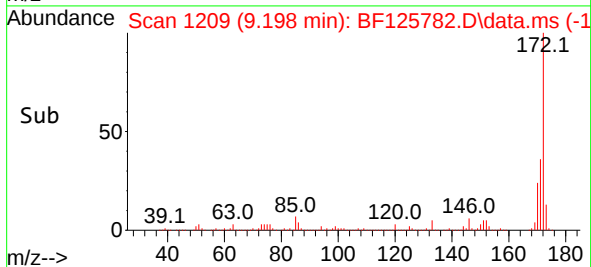
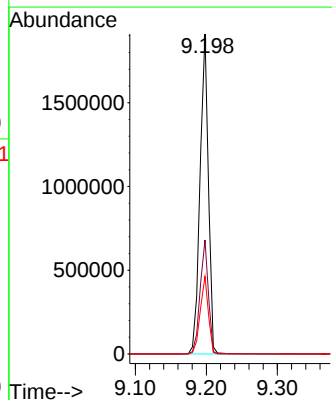
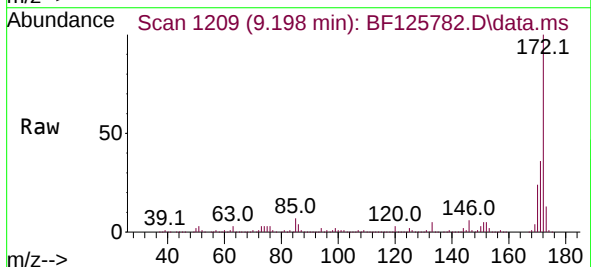
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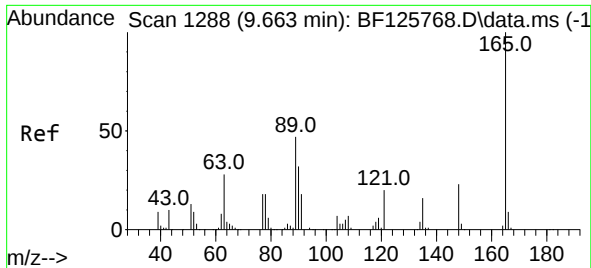
Tgt Ion:330 Resp: 229266  
Ion Ratio Lower Upper  
330 100  
332 95.9 76.2 114.4  
141 32.3 44.6 66.8#



#45  
2-Fluorobiphenyl  
Concen: 63.015 ng  
RT: 9.198 min Scan# 1209  
Delta R.T. -0.006 min  
Lab File: BF125782.D  
Acq: 8 Oct 2021 14:52

Tgt Ion:172 Resp: 1571279  
Ion Ratio Lower Upper  
172 100  
171 35.6 26.5 39.7  
170 24.2 18.8 28.2

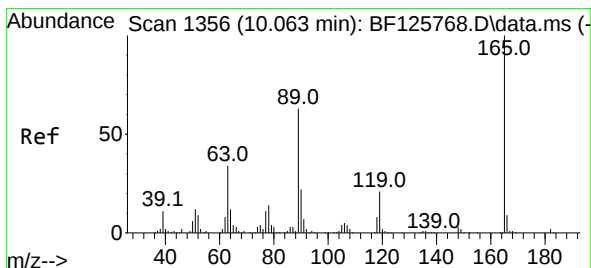
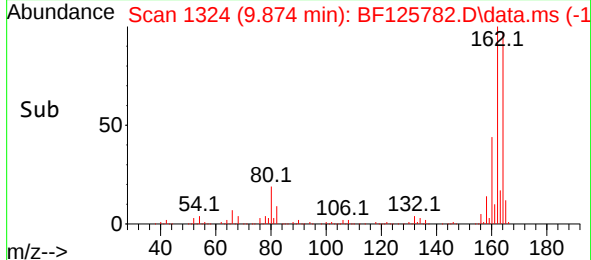
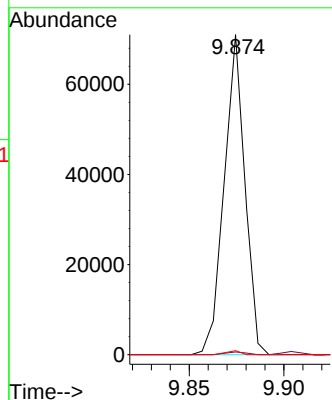
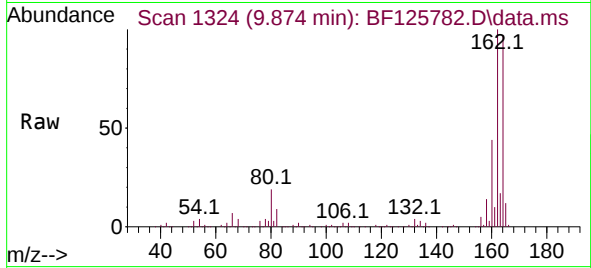




#51  
2,6-Dinitrotoluene  
Concen: 9.448 ng  
RT: 9.874 min Scan# 1324  
Delta R.T. 0.212 min  
Lab File: BF125782.D  
Acq: 8 Oct 2021 14:52

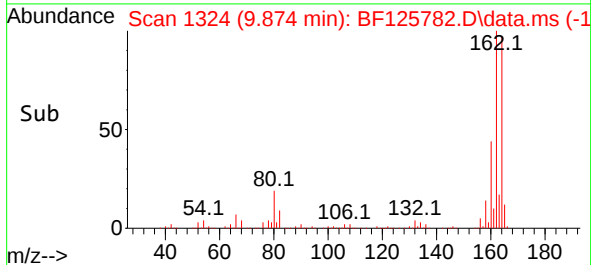
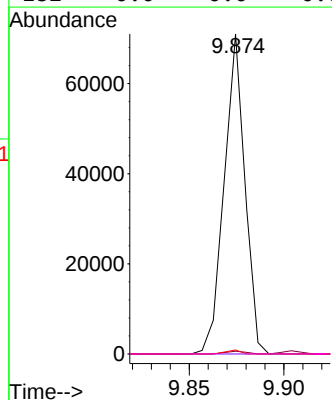
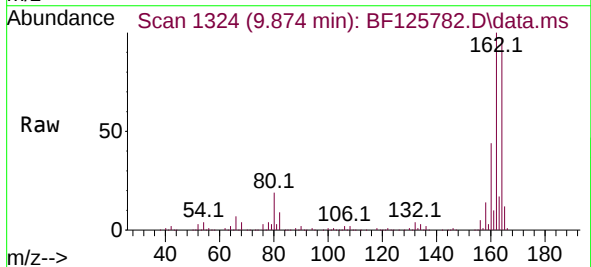
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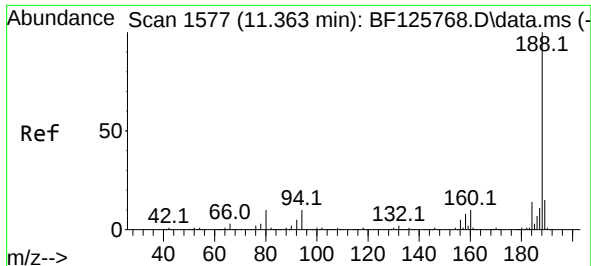
Tgt Ion:165 Resp: 54069  
Ion Ratio Lower Upper  
165 100  
63 0.8 42.6 63.8#  
89 1.2 40.6 60.8#



#57  
2,4-Dinitrotoluene  
Concen: 7.472 ng  
RT: 9.874 min Scan# 1324  
Delta R.T. -0.188 min  
Lab File: BF125782.D  
Acq: 8 Oct 2021 14:52

Tgt Ion:165 Resp: 54069  
Ion Ratio Lower Upper  
165 100  
63 0.8 40.9 61.3#  
89 1.2 59.7 89.5#  
182 0.0 0.0 0.0

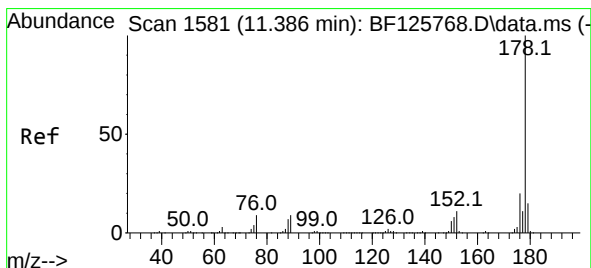
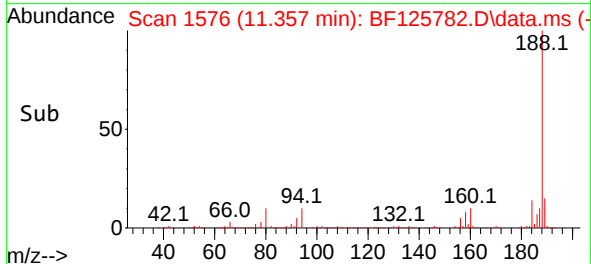
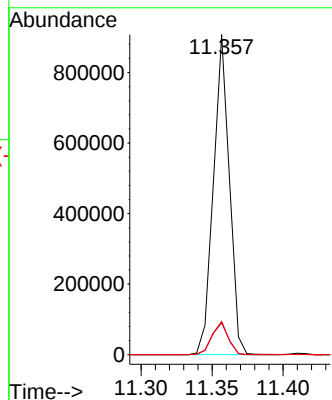
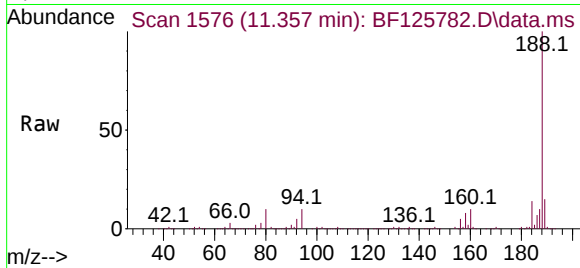




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.357 min Scan# 1576  
Delta R.T. -0.006 min  
Lab File: BF125782.D  
Acq: 8 Oct 2021 14:52

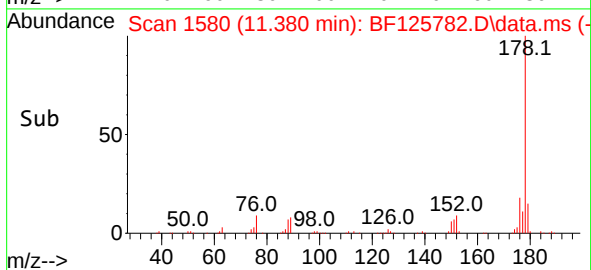
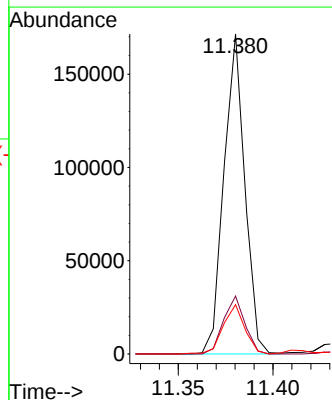
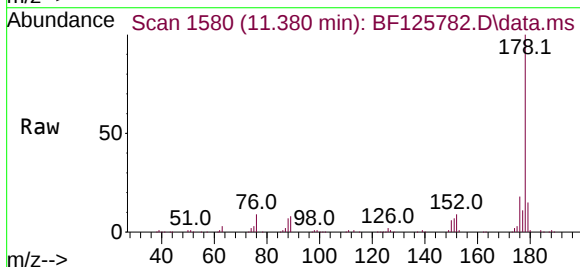
Instrument :  
BNA\_F  
ClientSampleId :  
2-SLAB

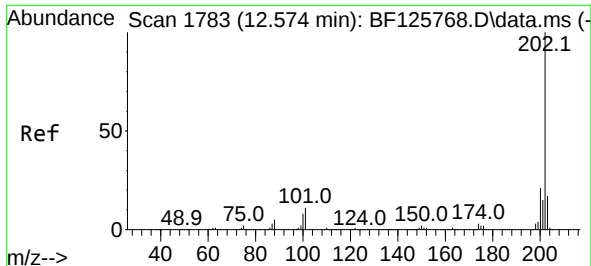
Tgt Ion:188 Resp: 710015  
Ion Ratio Lower Upper  
188 100  
94 10.0 6.7 10.1  
80 10.4 7.5 11.3



#71  
Phenanthrene  
Concen: 3.466 ng  
RT: 11.380 min Scan# 1580  
Delta R.T. -0.006 min  
Lab File: BF125782.D  
Acq: 8 Oct 2021 14:52

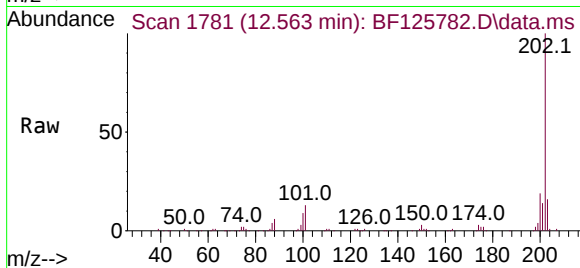
Tgt Ion:178 Resp: 131667  
Ion Ratio Lower Upper  
178 100  
176 18.1 14.7 22.1  
179 15.4 11.5 17.3



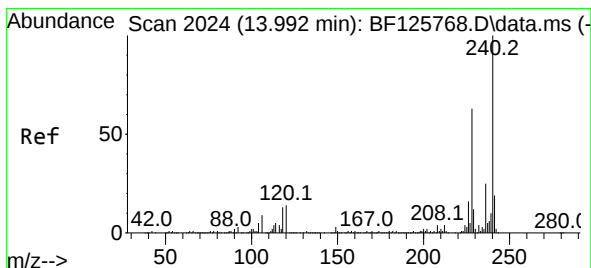
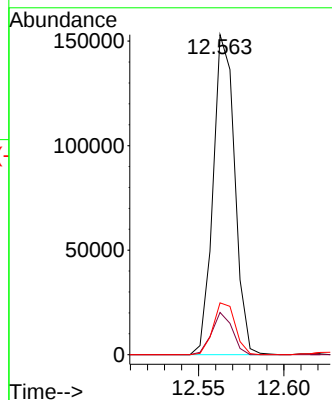
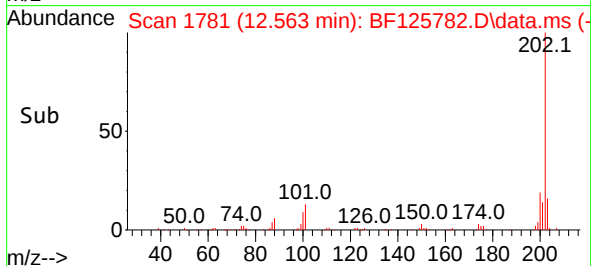


#75  
Fluoranthene  
Concen: 3.943 ng  
RT: 12.563 min Scan# 1781  
Delta R.T. -0.012 min  
Lab File: BF125782.D  
Acq: 8 Oct 2021 14:52

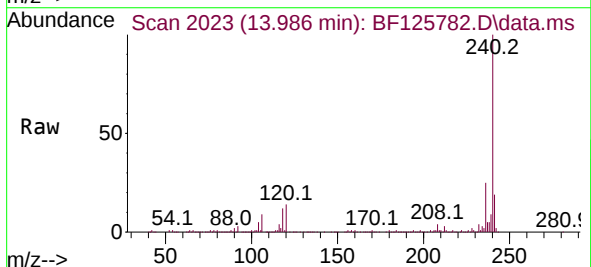
Instrument :  
BNA\_F  
ClientSampleId :  
2-SLAB



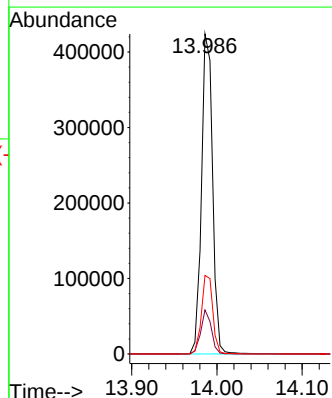
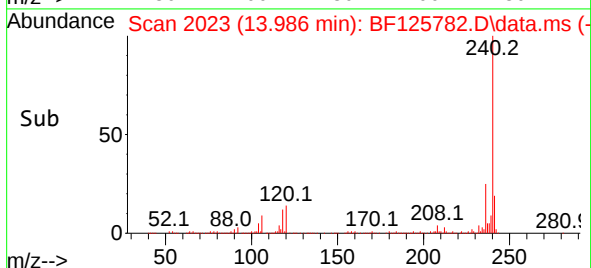
Tgt Ion:202 Resp: 135164  
Ion Ratio Lower Upper  
202 100  
101 13.2 0.0 30.7  
203 16.2 0.0 36.3

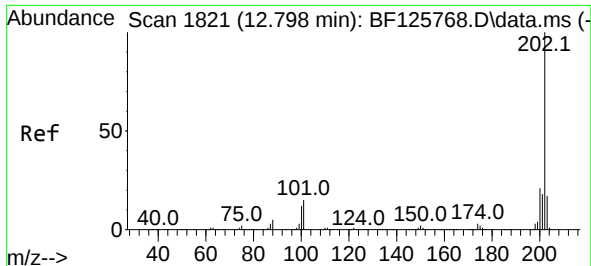


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.986 min Scan# 2023  
Delta R.T. -0.006 min  
Lab File: BF125782.D  
Acq: 8 Oct 2021 14:52



Tgt Ion:240 Resp: 383478  
Ion Ratio Lower Upper  
240 100  
120 13.7 10.8 16.2  
236 24.5 21.6 32.4

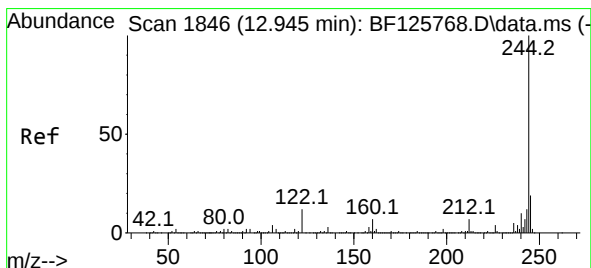
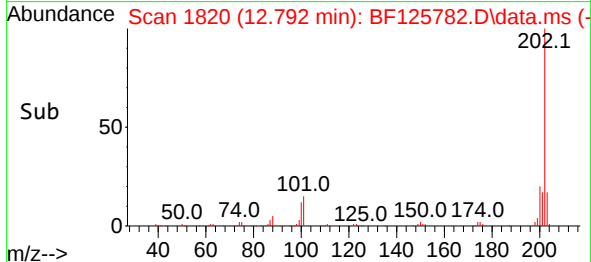
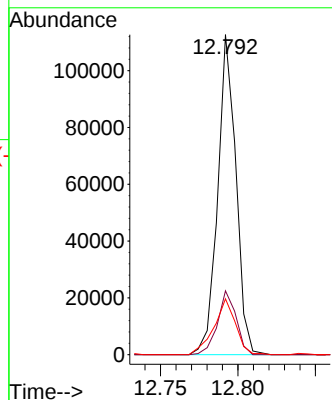
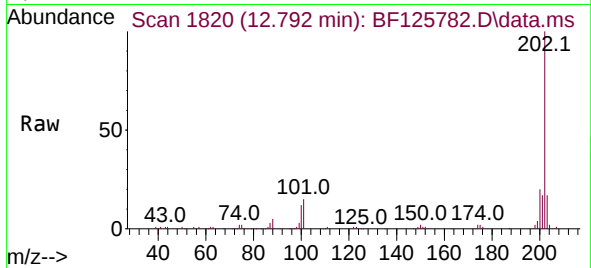




#78  
Pyrene  
Concen: 2.363 ng  
RT: 12.792 min Scan# 1820  
Delta R.T. -0.006 min  
Lab File: BF125782.D  
Acq: 8 Oct 2021 14:52

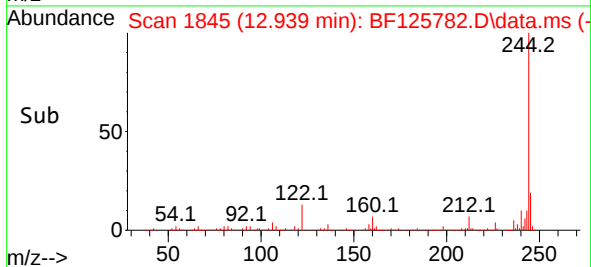
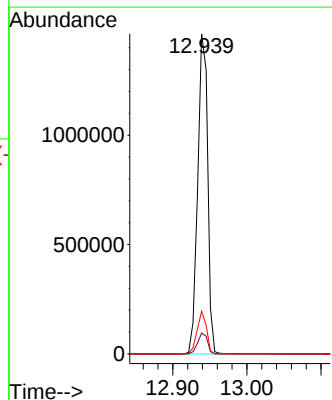
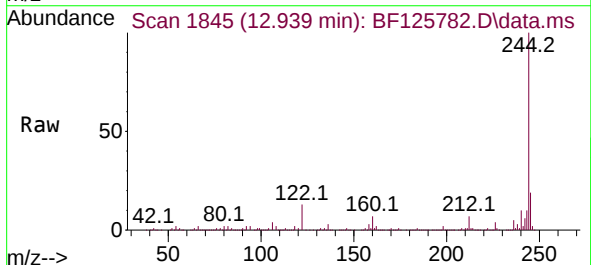
Instrument :  
BNA\_F  
ClientSampled :  
2-SLAB

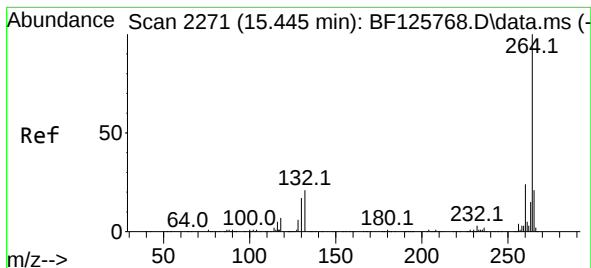
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:202 | Resp: | 92043     |
| Ion Ratio   | Lower | Upper     |
| 202         | 100   |           |
| 200         | 20.0  | 15.3 22.9 |
| 203         | 17.5  | 13.4 20.0 |



#79  
Terphenyl-d14  
Concen: 54.112 ng  
RT: 12.939 min Scan# 1845  
Delta R.T. -0.006 min  
Lab File: BF125782.D  
Acq: 8 Oct 2021 14:52

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:244 | Resp: | 1362264  |
| Ion Ratio   | Lower | Upper    |
| 244         | 100   |          |
| 212         | 6.5   | 5.9 8.9  |
| 122         | 13.3  | 9.0 13.4 |



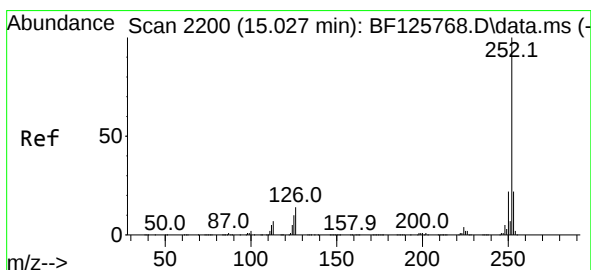
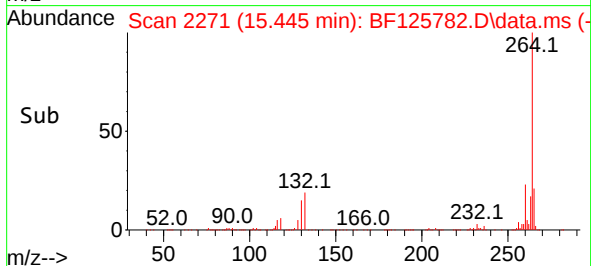
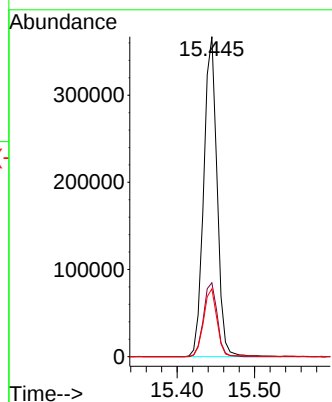
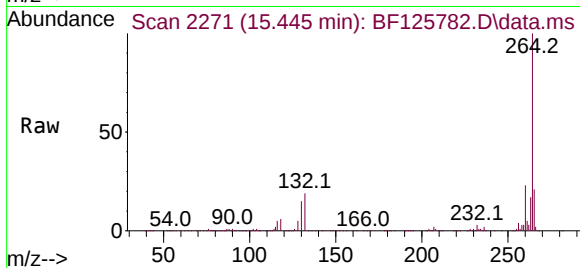


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.445 min Scan# 2271  
Delta R.T. 0.000 min  
Lab File: BF125782.D  
Acq: 8 Oct 2021 14:52

Instrument :  
BNA\_F  
ClientSampleId :  
2-SLAB

Tgt Ion:264 Resp: 438683  

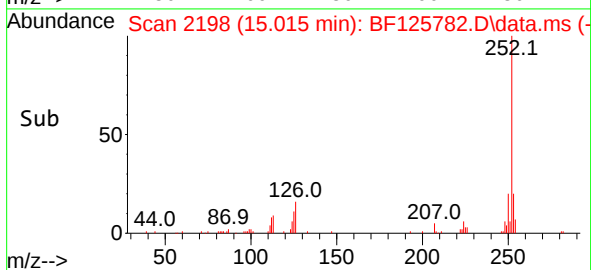
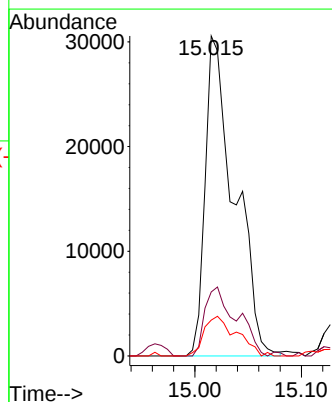
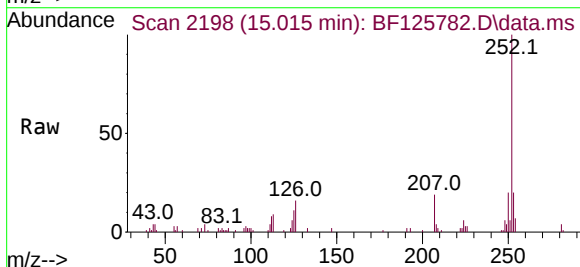
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.1  | 19.6  | 29.4  |
| 265 | 21.2  | 17.2  | 25.8  |

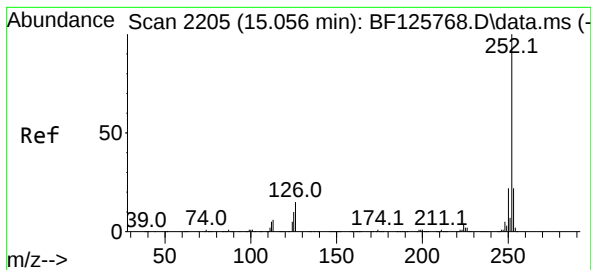


#88  
Benzo(b)fluoranthene  
Concen: 2.360 ng  
RT: 15.015 min Scan# 2198  
Delta R.T. -0.012 min  
Lab File: BF125782.D  
Acq: 8 Oct 2021 14:52

Tgt Ion:252 Resp: 58445  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 20.0  | 16.8  | 25.2  |
| 125 | 11.2  | 9.8   | 14.8  |





#89

Benzo(k)fluoranthene

Concen: 2.298 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.041 min

Lab File: BF125782.D

Acq: 8 Oct 2021 14:52

Tgt Ion:252 Resp: 58445

Ion Ratio Lower Upper

252 100

253 20.0 17.8 26.8

125 11.2 7.2 10.8#

