

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030722\  
 Data File : BF127236.D  
 Acq On : 07 Mar 2022 22:52  
 Operator : CG\JU  
 Sample : N1806-07  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUM-25

Quant Time: Mar 08 00:04:27 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 05 02:16:58 2022  
 Response via : Initial Calibration

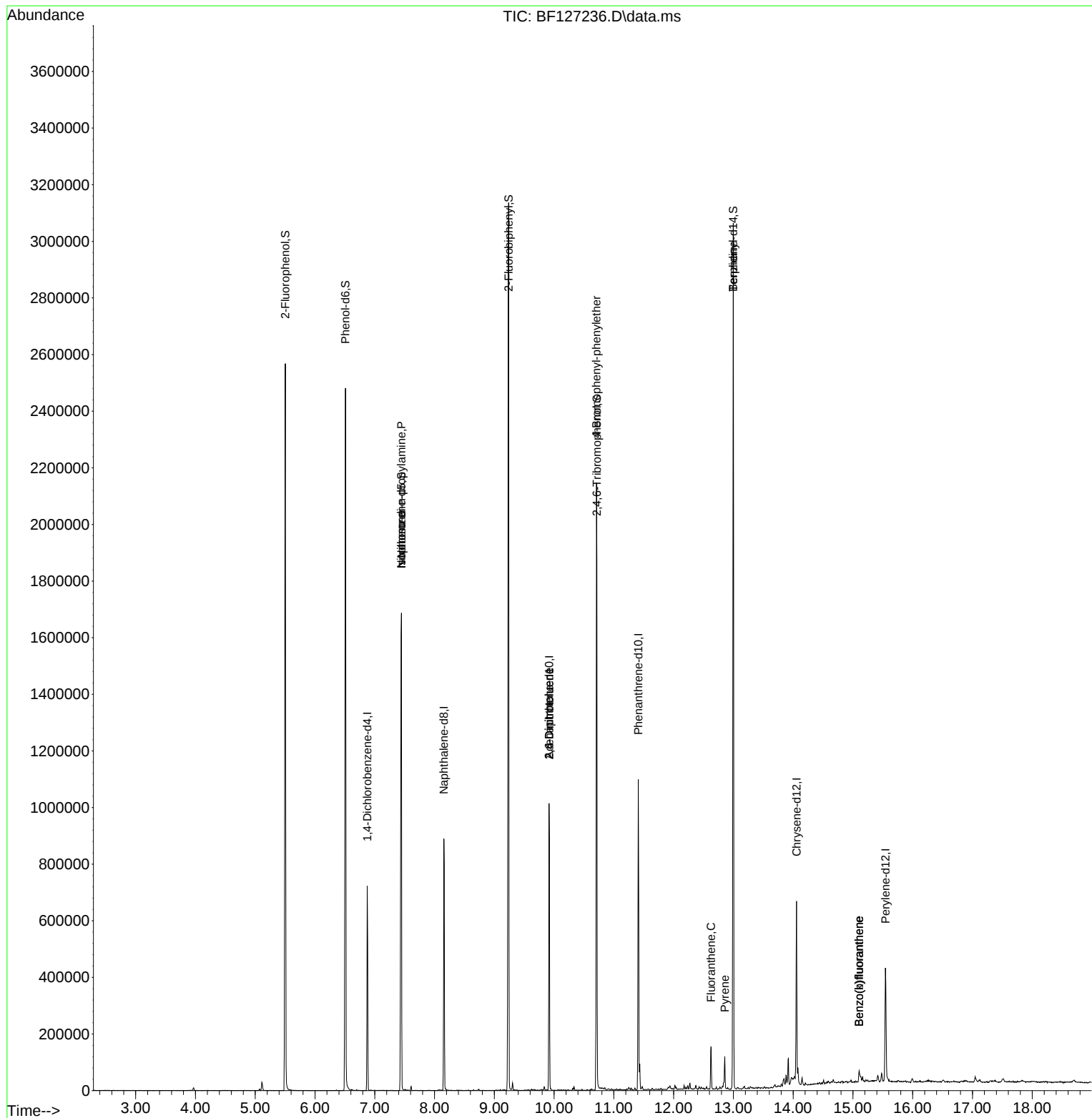
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 92496    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 384933   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.916  | 164  | 199784   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 348570   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.057 | 240  | 188332   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.545 | 264  | 169119   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 628820   | 105.073 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 843394   | 104.441 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 588555   | 69.014  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 268060   | 116.536 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.239  | 172  | 955793   | 70.430  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 1006708  | 78.579  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.445  | 70   | 78848    | 15.153  | ng    | # 76     |
| 25) Isophorone                | 7.445  | 82   | 588548   | 41.706  | ng    | # 69     |
| 51) 2,6-Dinitrotoluene        | 9.916  | 165  | 25449    | 8.759   | ng    | # 21     |
| 57) 2,4-Dinitrotoluene        | 9.916  | 165  | 25449    | 6.478   | ng    | # 15     |
| 67) 4-Bromophenyl-phenylether | 10.710 | 248  | 15435    | 3.963   | ng    | # 1      |
| 75) Fluoranthene              | 12.627 | 202  | 50238    | 2.712   | ng    | 92       |
| 77) Benzidine                 | 12.998 | 184  | 14977    | 2.926   | ng    | # 94     |
| 78) Pyrene                    | 12.857 | 202  | 40850    | 2.497   | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.104 | 252  | 27181    | 2.393   | ng    | # 93     |
| 89) Benzo(k)fluoranthene      | 15.104 | 252  | 27181    | 2.481   | ng    | # 94     |
| -----                         |        |      |          |         |       |          |

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

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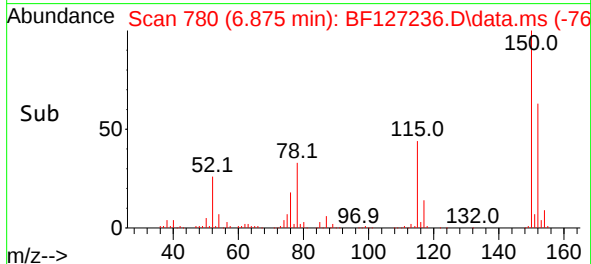
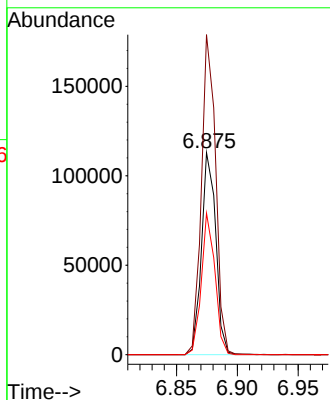
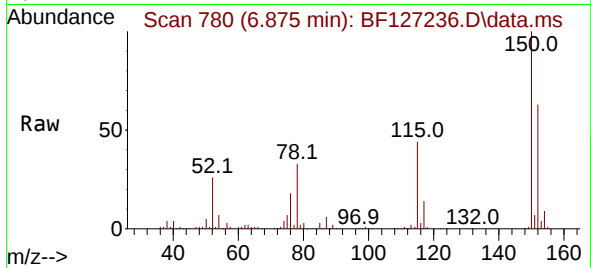




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF127236.D  
Acq: 07 Mar 2022 22:52

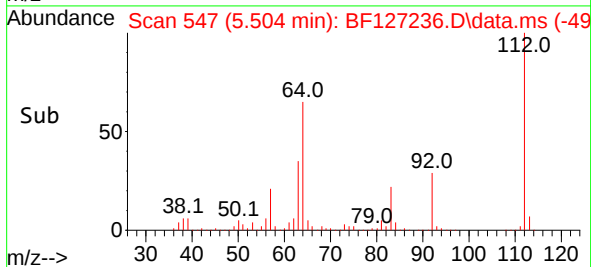
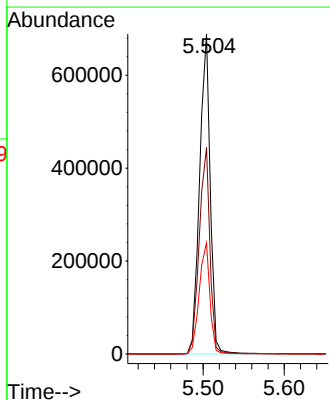
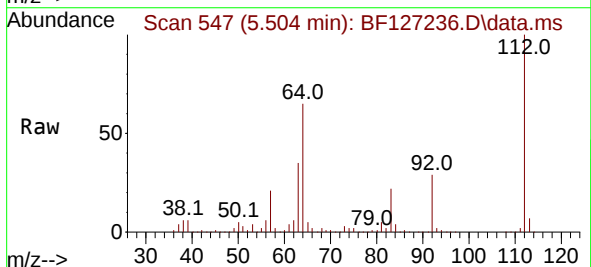
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-25

Tgt Ion:152 Resp: 92496  
Ion Ratio Lower Upper  
152 100  
150 158.3 128.1 192.1  
115 70.0 56.7 85.1



#5  
2-Fluorophenol  
Concen: 105.073 ng  
RT: 5.504 min Scan# 547  
Delta R.T. 0.006 min  
Lab File: BF127236.D  
Acq: 07 Mar 2022 22:52

Tgt Ion:112 Resp: 628820  
Ion Ratio Lower Upper  
112 100  
64 64.5 49.5 74.3  
63 34.7 23.9 35.9

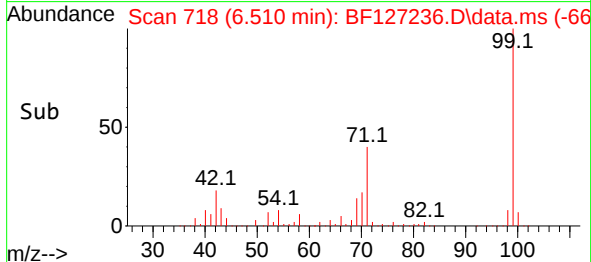
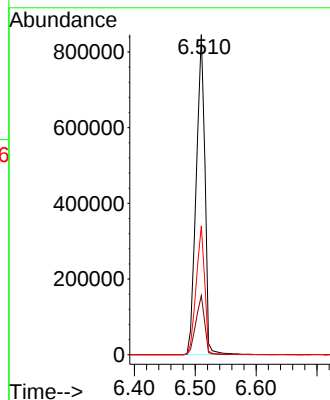
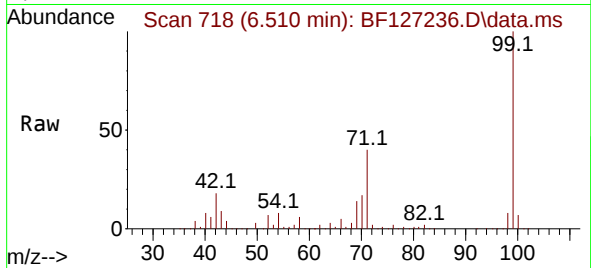




#7  
Phenol-d6  
Concen: 104.441 ng  
RT: 6.510 min Scan# 718  
Delta R.T. -0.006 min  
Lab File: BF127236.D  
Acq: 07 Mar 2022 22:52

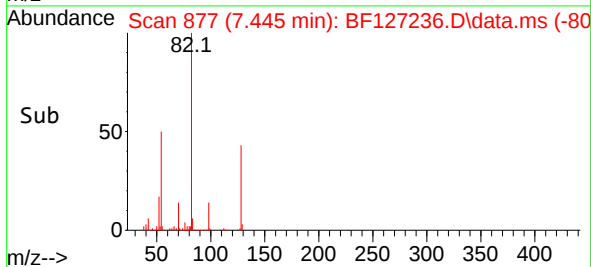
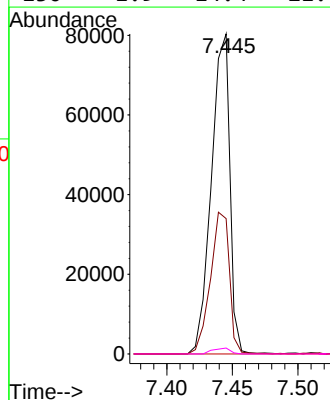
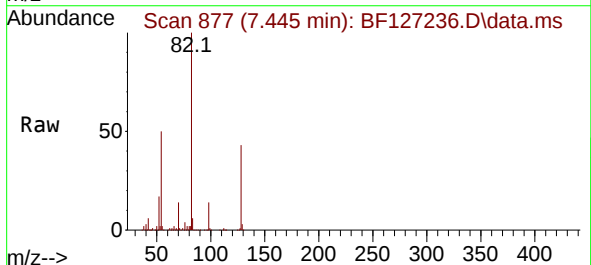
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-25

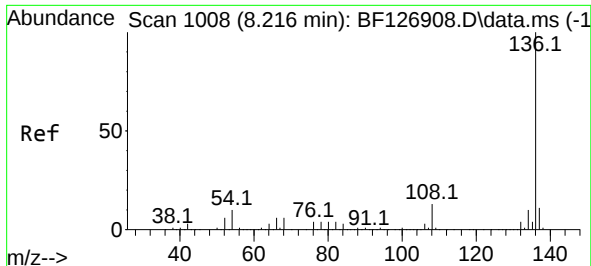
Tgt Ion: 99 Resp: 843394  
Ion Ratio Lower Upper  
99 100  
42 18.4 14.2 21.4  
71 40.2 24.3 36.5#



#19  
n-Nitroso-di-n-propylamine  
Concen: 15.153 ng  
RT: 7.445 min Scan# 877  
Delta R.T. 0.153 min  
Lab File: BF127236.D  
Acq: 07 Mar 2022 22:52

Tgt Ion: 70 Resp: 78848  
Ion Ratio Lower Upper  
70 100  
42 42.3 45.8 68.8#  
101 0.0 6.9 10.3#  
130 1.9 14.4 21.6#

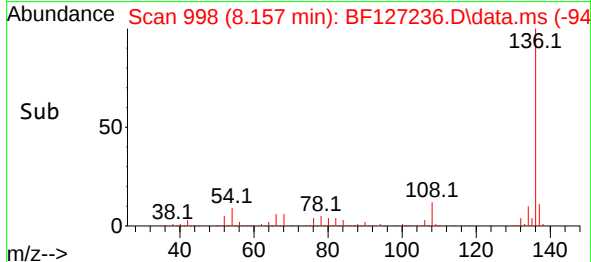
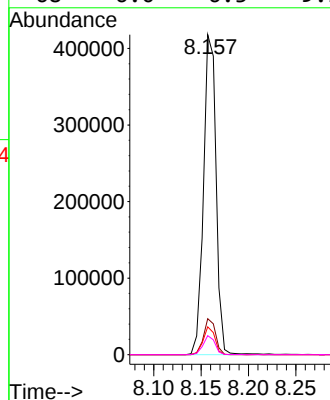
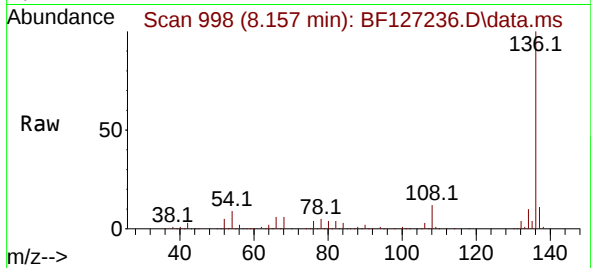




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF127236.D  
Acq: 07 Mar 2022 22:52

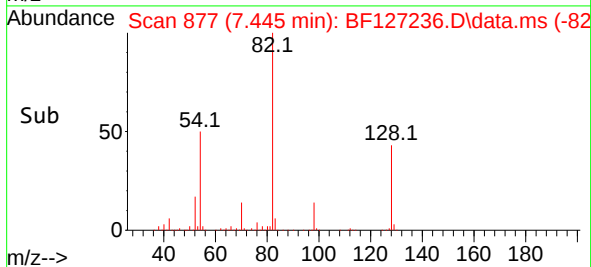
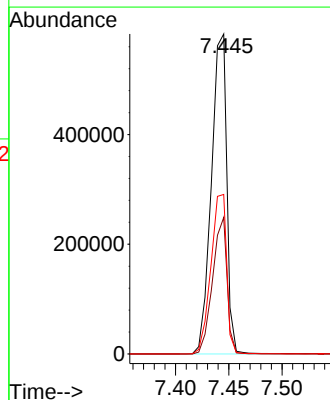
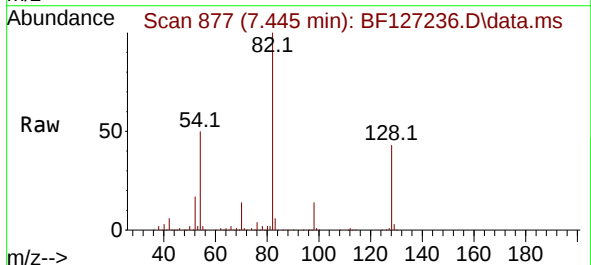
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-25

Tgt Ion:136 Resp: 384933  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.6 13.0  
54 8.7 7.8 11.6  
68 6.0 6.3 9.5#



#23  
Nitrobenzene-d5  
Concen: 69.014 ng  
RT: 7.445 min Scan# 877  
Delta R.T. -0.006 min  
Lab File: BF127236.D  
Acq: 07 Mar 2022 22:52

Tgt Ion: 82 Resp: 588555  
Ion Ratio Lower Upper  
82 100  
128 42.6 32.7 49.1  
54 49.9 41.7 62.5

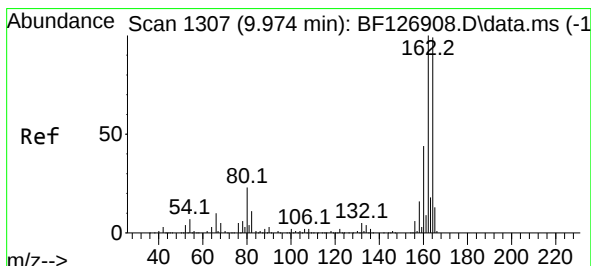
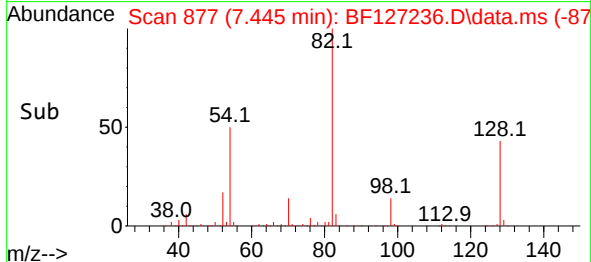
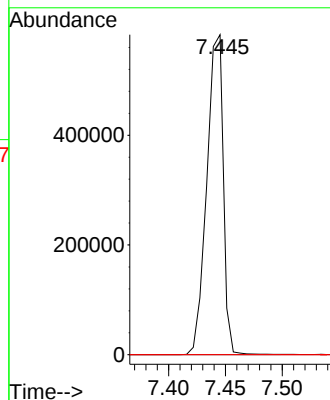
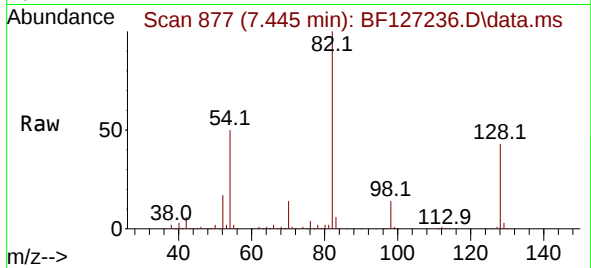




#25  
Isophorone  
Concen: 41.706 ng  
RT: 7.445 min Scan# 81  
Delta R.T. -0.259 min  
Lab File: BF127236.D  
Acq: 07 Mar 2022 22:52

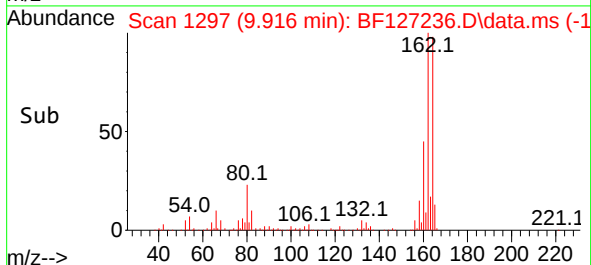
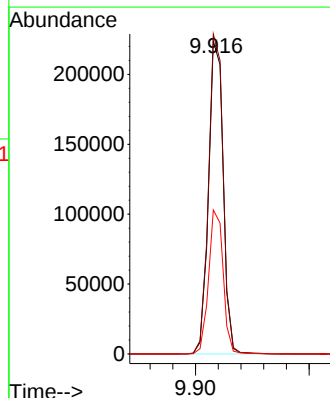
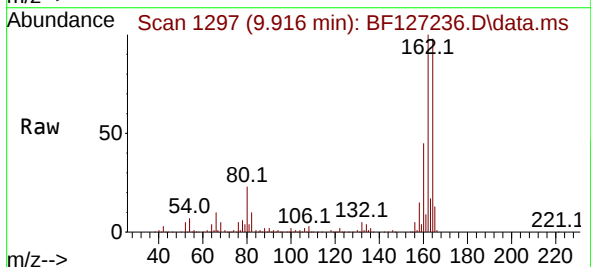
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-25

Tgt Ion: 82 Resp: 588548  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.0 7.4#  
138 0.0 12.3 18.5#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.916 min Scan# 1297  
Delta R.T. -0.006 min  
Lab File: BF127236.D  
Acq: 07 Mar 2022 22:52

Tgt Ion:164 Resp: 199784  
Ion Ratio Lower Upper  
164 100  
162 102.3 81.4 122.0  
160 46.0 36.6 54.8

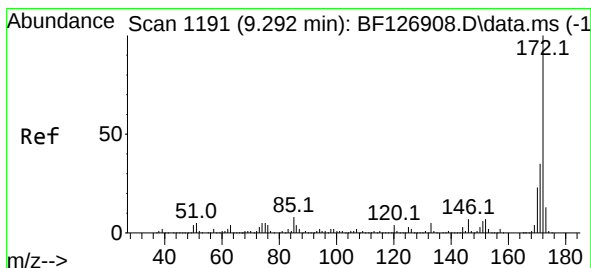
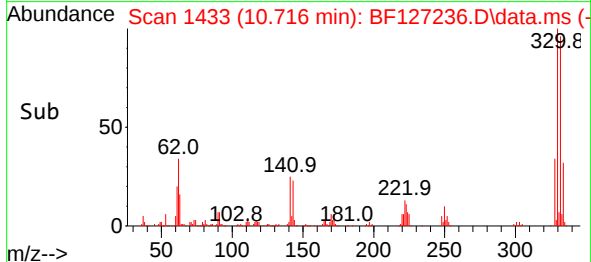
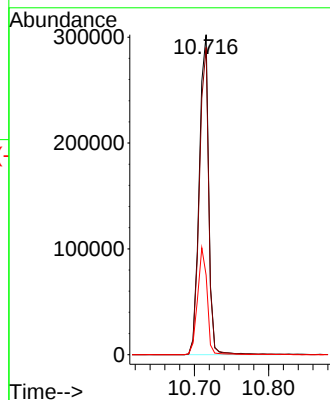
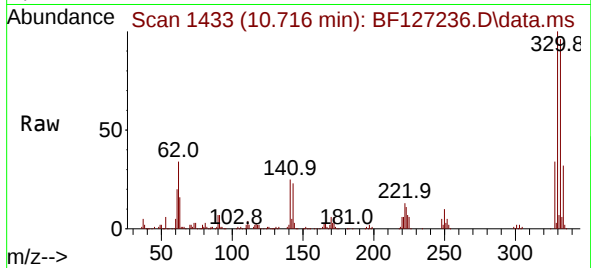




#42  
 2,4,6-Tribromophenol  
 Concen: 116.536 ng  
 RT: 10.716 min Scan# 1442  
 Delta R.T. -0.000 min  
 Lab File: BF127236.D  
 Acq: 07 Mar 2022 22:52

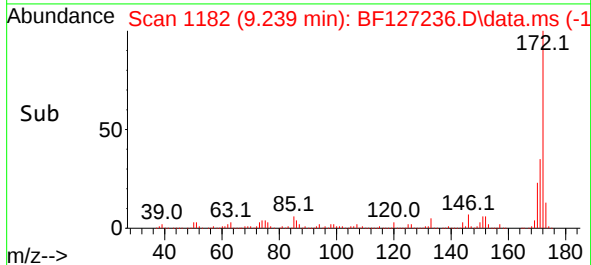
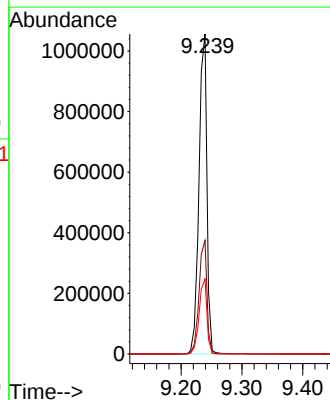
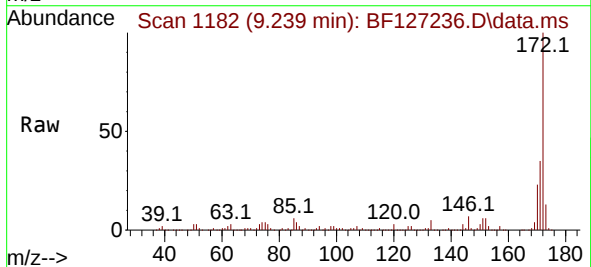
Instrument :  
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 DUM-25

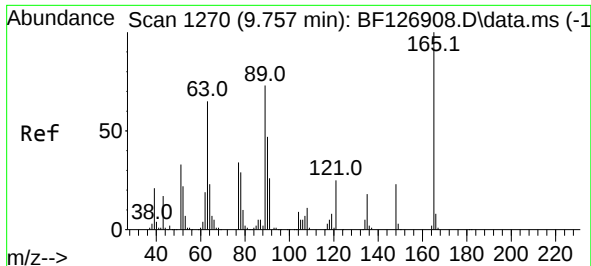
Tgt Ion: 330 Resp: 268060  
 Ion Ratio Lower Upper  
 330 100  
 332 94.7 76.0 114.0  
 141 33.4 30.1 45.1



#45  
 2-Fluorobiphenyl  
 Concen: 70.430 ng  
 RT: 9.239 min Scan# 1182  
 Delta R.T. -0.000 min  
 Lab File: BF127236.D  
 Acq: 07 Mar 2022 22:52

Tgt Ion: 172 Resp: 955793  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 28.3 42.5  
 170 23.4 19.0 28.6

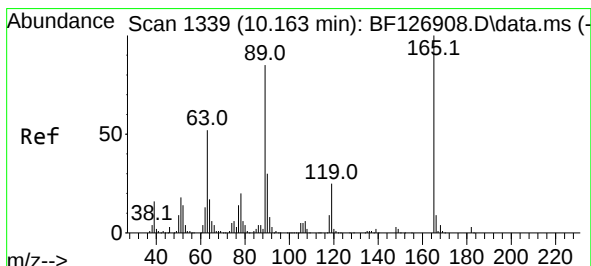
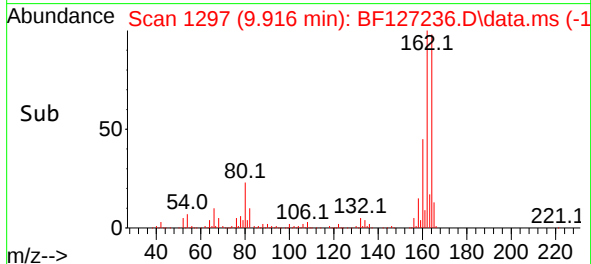
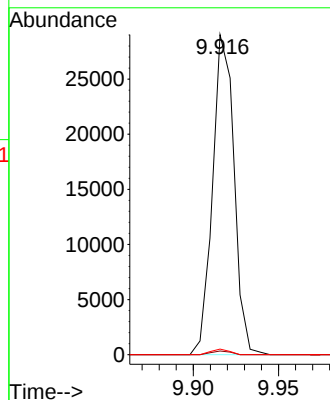
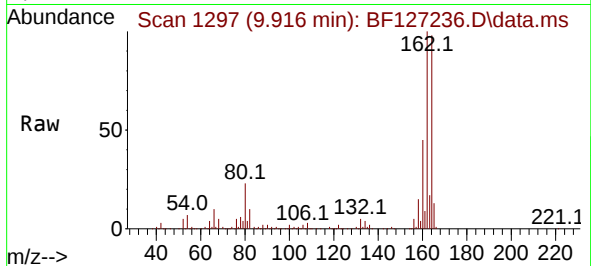




#51  
2,6-Dinitrotoluene  
Concen: 8.759 ng  
RT: 9.916 min Scan# 1270  
Delta R.T. 0.206 min  
Lab File: BF127236.D  
Acq: 07 Mar 2022 22:52

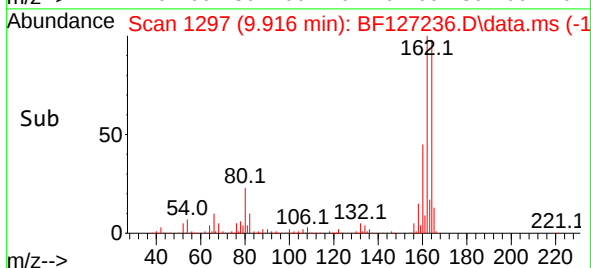
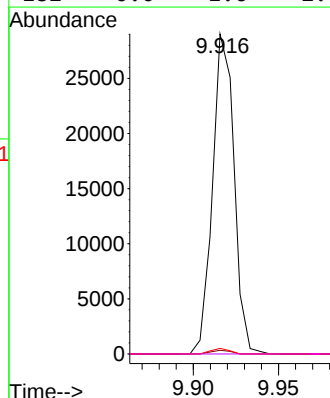
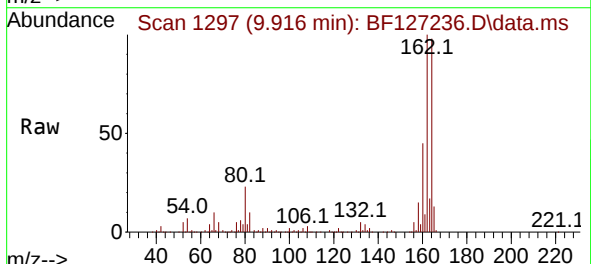
Instrument :  
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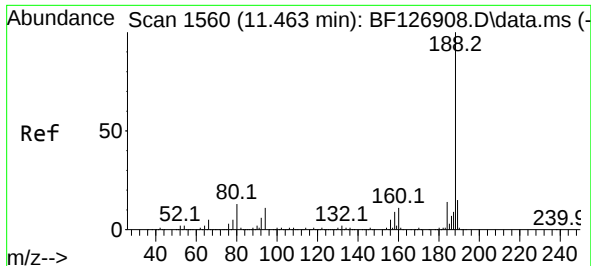
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Ion Ratio Lower Upper  
165 100  
63 1.1 48.4 72.6#  
89 1.8 50.5 75.7#



#57  
2,4-Dinitrotoluene  
Concen: 6.478 ng  
RT: 9.916 min Scan# 1297  
Delta R.T. -0.200 min  
Lab File: BF127236.D  
Acq: 07 Mar 2022 22:52

Tgt Ion:165 Resp: 25449  
Ion Ratio Lower Upper  
165 100  
63 1.1 43.0 64.6#  
89 1.8 71.0 106.4#  
182 0.0 1.6 2.4#

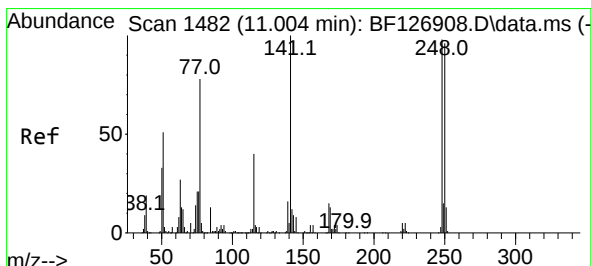
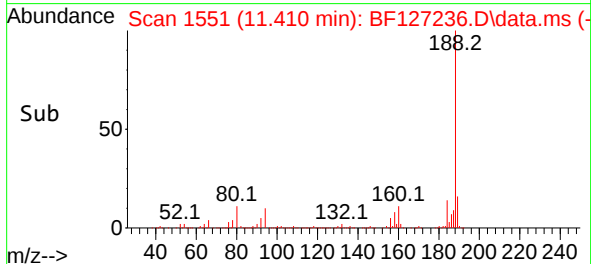
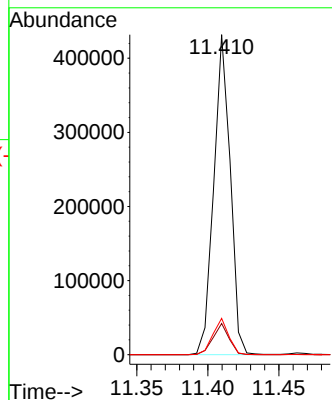
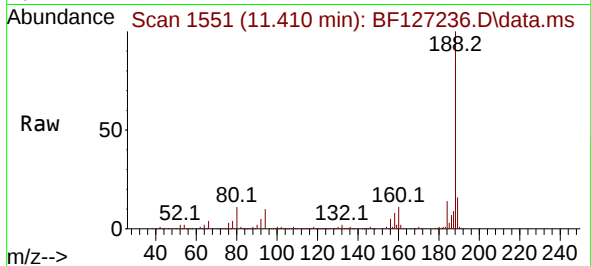




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF127236.D  
Acq: 07 Mar 2022 22:52

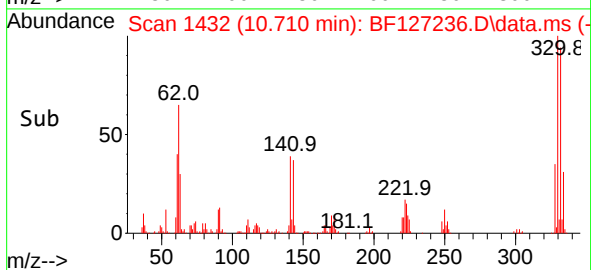
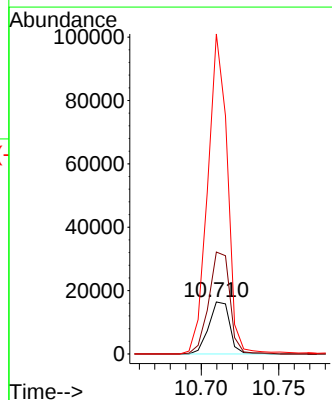
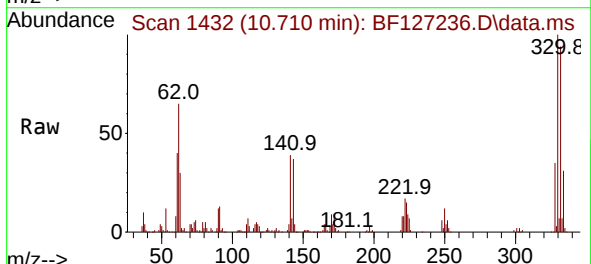
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-25

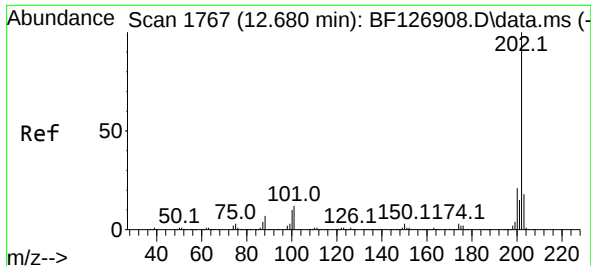
Tgt Ion:188 Resp: 348570  
Ion Ratio Lower Upper  
188 100  
94 9.8 10.1 15.1#  
80 11.4 11.8 17.6#



#67  
4-Bromophenyl-phenylether  
Concen: 3.963 ng  
RT: 10.710 min Scan# 1432  
Delta R.T. -0.247 min  
Lab File: BF127236.D  
Acq: 07 Mar 2022 22:52

Tgt Ion:248 Resp: 15435  
Ion Ratio Lower Upper  
248 100  
250 196.1 76.2 114.4#  
141 615.2 66.2 99.4#

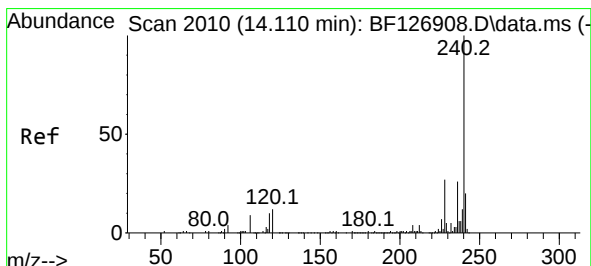
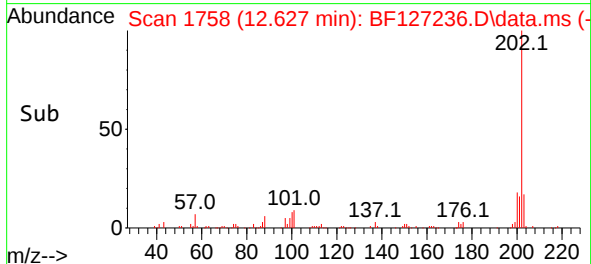
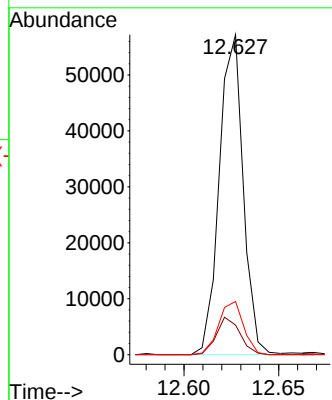
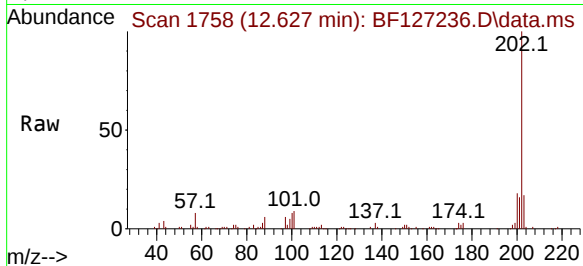




#75  
Fluoranthene  
Concen: 2.712 ng  
RT: 12.627 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF127236.D  
Acq: 07 Mar 2022 22:52

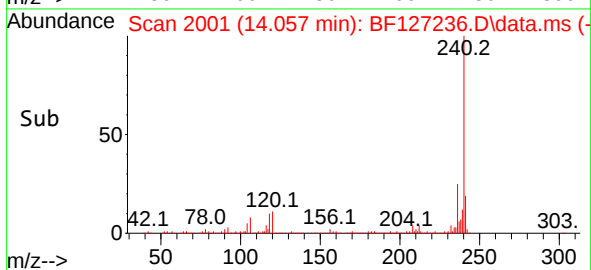
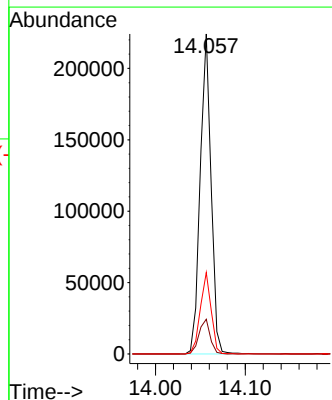
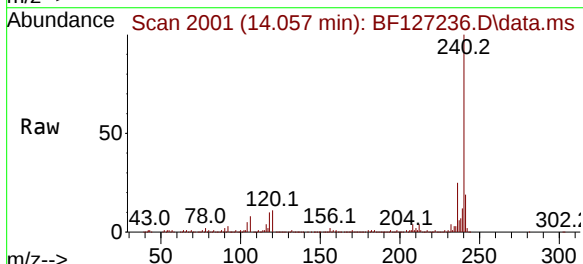
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-25

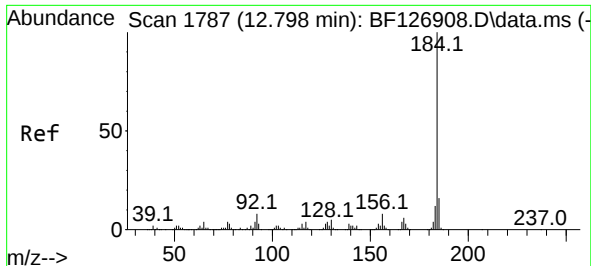
Tgt Ion:202 Resp: 50238  
Ion Ratio Lower Upper  
202 100  
101 9.2 0.0 35.7  
203 16.7 0.0 37.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.057 min Scan# 2001  
Delta R.T. -0.006 min  
Lab File: BF127236.D  
Acq: 07 Mar 2022 22:52

Tgt Ion:240 Resp: 188332  
Ion Ratio Lower Upper  
240 100  
120 10.9 14.4 21.6#  
236 25.5 20.5 30.7

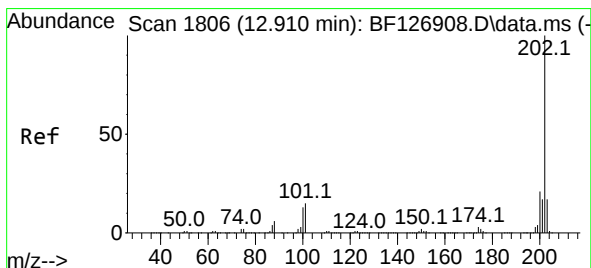
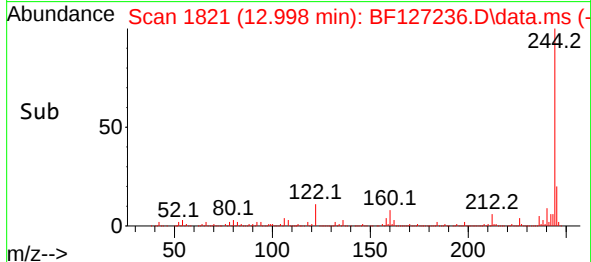
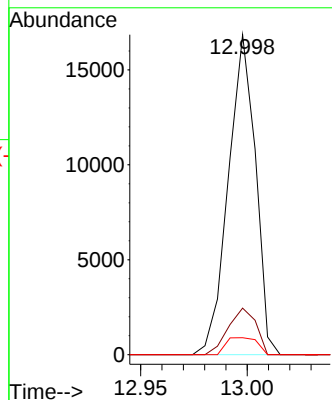
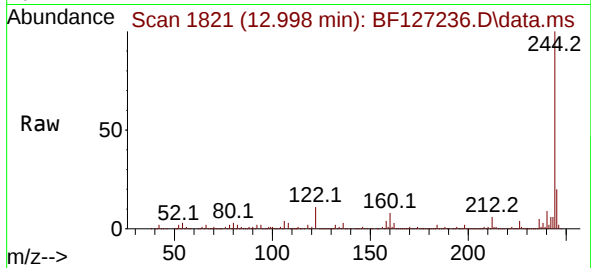




#77  
Benzidine  
Concen: 2.926 ng  
RT: 12.998 min Scan# 1797  
Delta R.T. 0.247 min  
Lab File: BF127236.D  
Acq: 07 Mar 2022 22:52

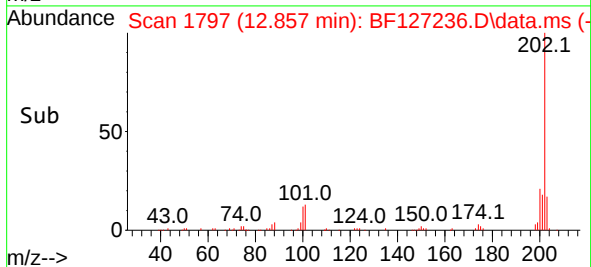
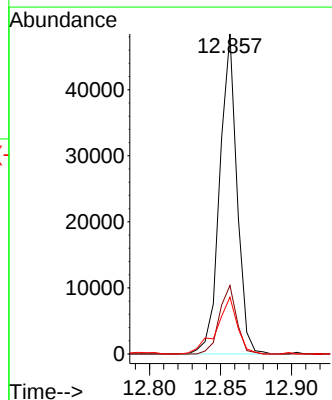
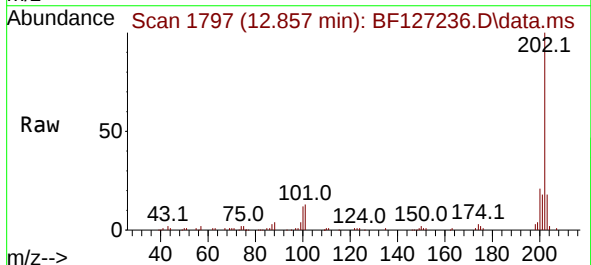
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-25

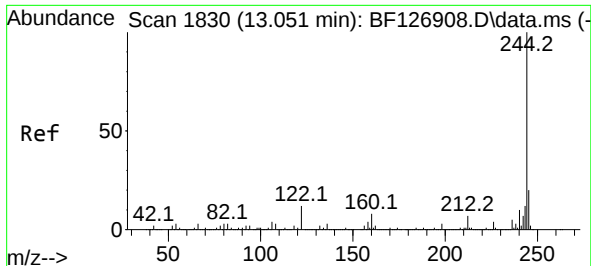
Tgt Ion:184 Resp: 14977  
Ion Ratio Lower Upper  
184 100  
185 14.5 11.8 17.8  
183 5.3 8.2 12.2#



#78  
Pyrene  
Concen: 2.497 ng  
RT: 12.857 min Scan# 1797  
Delta R.T. -0.006 min  
Lab File: BF127236.D  
Acq: 07 Mar 2022 22:52

Tgt Ion:202 Resp: 40850  
Ion Ratio Lower Upper  
202 100  
200 21.4 16.6 24.8  
203 17.8 13.8 20.8

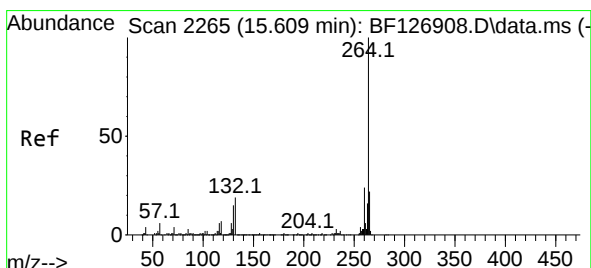
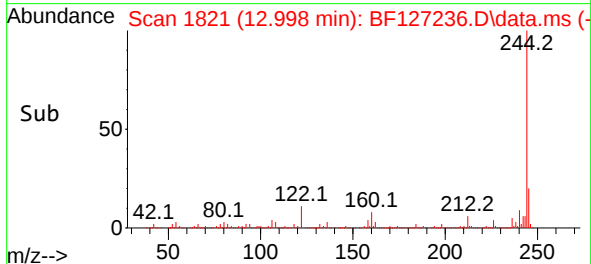
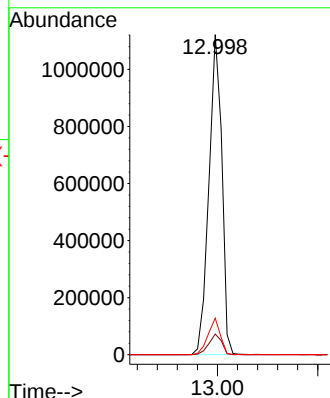
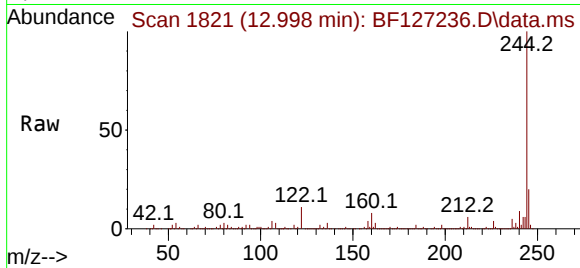




#79  
 Terphenyl-d14  
 Concen: 78.579 ng  
 RT: 12.998 min Scan# 1830  
 Delta R.T. -0.000 min  
 Lab File: BF127236.D  
 Acq: 07 Mar 2022 22:52

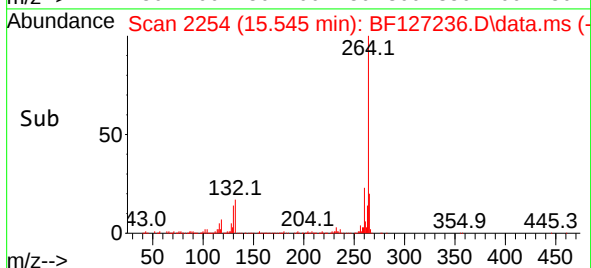
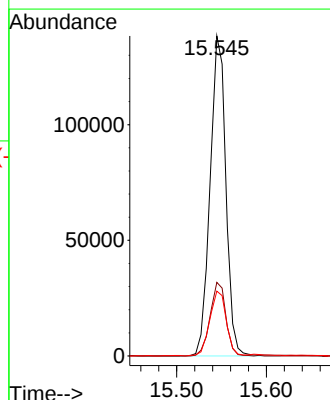
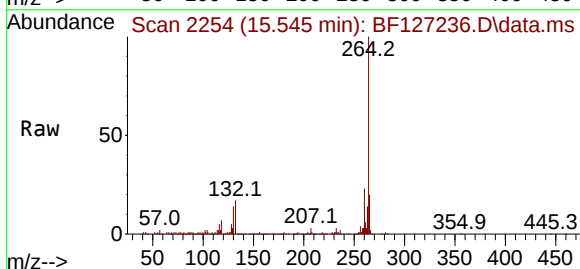
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUM-25

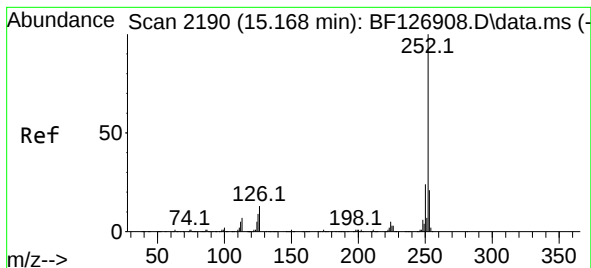
Tgt Ion:244 Resp: 1006708  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.0 7.4  
 122 11.4 13.3 19.9#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.545 min Scan# 2254  
 Delta R.T. -0.000 min  
 Lab File: BF127236.D  
 Acq: 07 Mar 2022 22:52

Tgt Ion:264 Resp: 169119  
 Ion Ratio Lower Upper  
 264 100  
 260 23.0 19.2 28.8  
 265 20.3 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 2.393 ng

RT: 15.104 min Scan# 2190

Delta R.T. -0.006 min

Lab File: BF127236.D

Acq: 07 Mar 2022 22:52

Instrument :

BNA\_F

ClientSampleId :

DUM-25

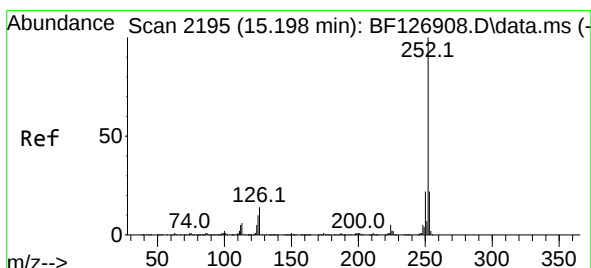
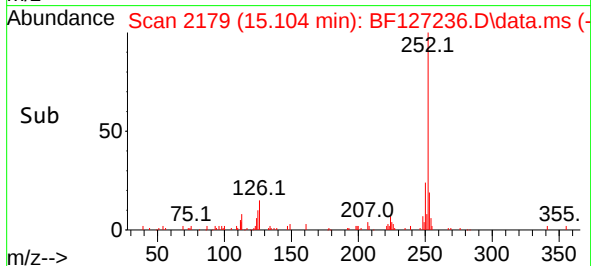
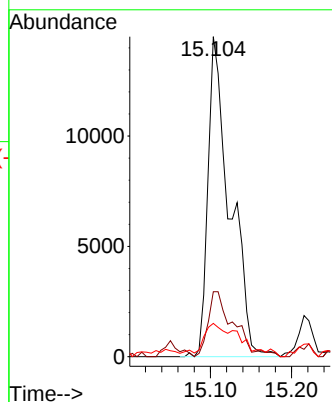
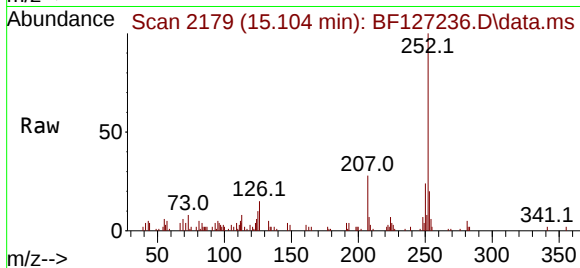
Tgt Ion:252 Resp: 27181

Ion Ratio Lower Upper

252 100

253 20.3 17.8 26.8

125 10.4 12.4 18.6#



#89

Benzo(k)fluoranthene

Concen: 2.481 ng

RT: 15.104 min Scan# 2179

Delta R.T. -0.035 min

Lab File: BF127236.D

Acq: 07 Mar 2022 22:52

Tgt Ion:252 Resp: 27181

Ion Ratio Lower Upper

252 100

253 20.3 17.5 26.3

125 10.4 11.8 17.6#

