

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112125\  
 Data File : BF144310.D  
 Acq On : 21 Nov 2025 16:19  
 Operator : RC/JU  
 Sample : Q3699-03 2X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-06-112025

Quant Time: Nov 21 17:24:50 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF110525.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 05 18:37:33 2025  
 Response via : Initial Calibration

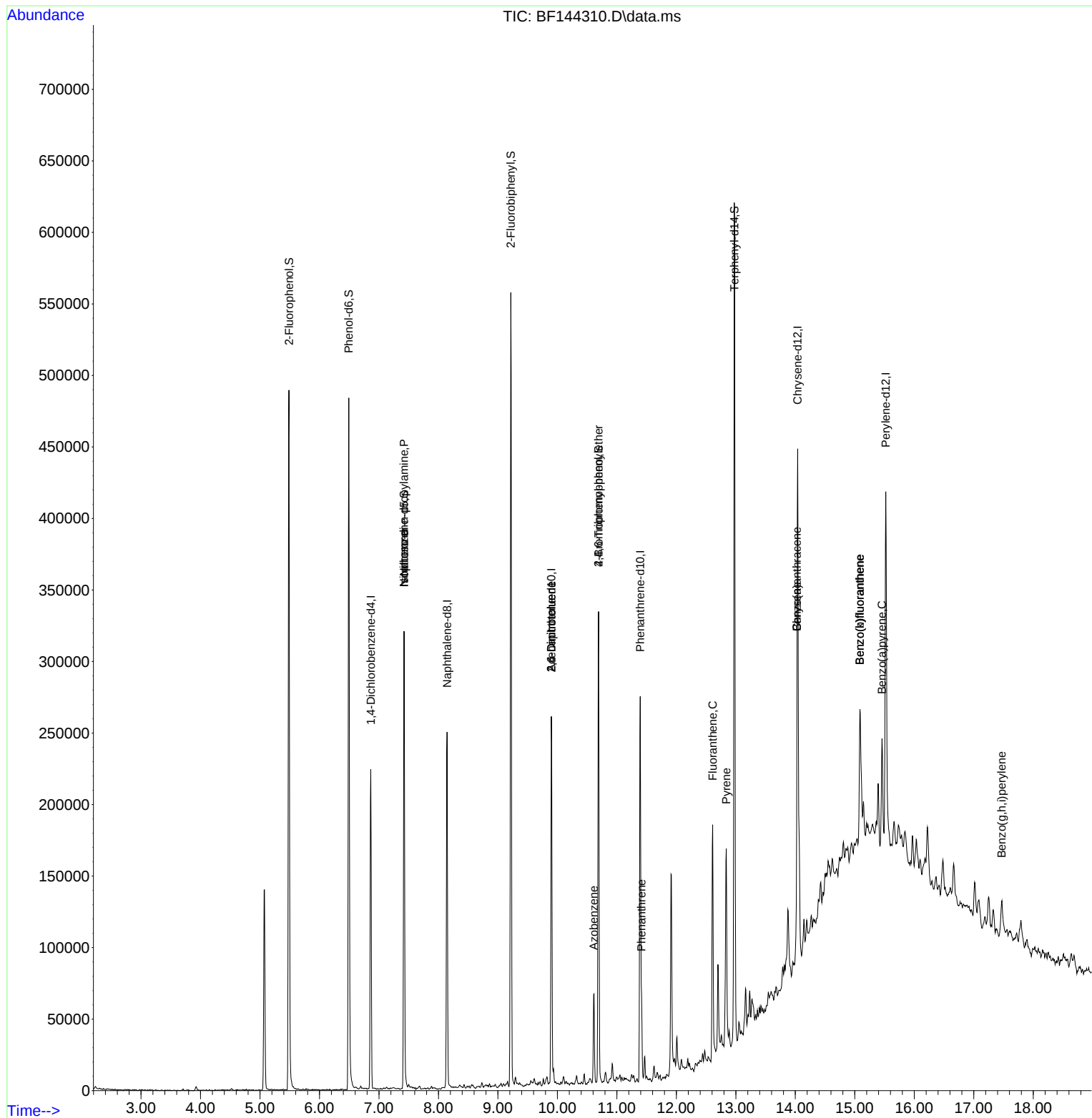
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.863  | 152  | 47398    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.145  | 136  | 165666   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.898  | 164  | 81857    | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10          | 11.392 | 188  | 146398   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12              | 14.039 | 240  | 150531   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12              | 15.521 | 264  | 145046   | 20.000 | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 204791   | 67.613 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.493  | 99   | 219623   | 63.994 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.422  | 82   | 131439   | 45.823 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.692 | 330  | 65113    | 63.388 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.216  | 172  | 260603   | 47.020 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.975 | 244  | 313570   | 33.088 | ng    | -0.02    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.422  | 70   | 19585    | 8.669  | ng    | # 78     |
| 25) Isophorone                | 7.422  | 82   | 131438   | 24.225 | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.898  | 165  | 10205    | 9.296  | ng    | # 27     |
| 57) 2,4-Dinitrotoluene        | 9.898  | 165  | 10205    | 6.944  | ng    | # 27     |
| 63) Azobenzene                | 10.610 | 77   | 15997    | 3.438  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.692 | 248  | 3805     | 2.036  | ng    | # 1      |
| 71) Phenanthrene              | 11.416 | 178  | 31025    | 4.256  | ng    | 99       |
| 75) Fluoranthene              | 12.610 | 202  | 94119    | 12.500 | ng    | 99       |
| 78) Pyrene                    | 12.839 | 202  | 80839    | 6.660  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.027 | 228  | 54615    | 5.235  | ng    | 96       |
| 83) Chrysene                  | 14.027 | 228  | 54615    | 5.671  | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.086 | 252  | 88862    | 10.776 | ng    | # 92     |
| 89) Benzo(k)fluoranthene      | 15.086 | 252  | 88862    | 11.513 | ng    | # 93     |
| 90) Benzo(a)pyrene            | 15.457 | 252  | 43993    | 5.783  | ng    | # 94     |
| 92) Benzo(g,h,i)perylene      | 17.468 | 276  | 19169    | 2.321  | ng    | # 95     |
| -----                         |        |      |          |        |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112125\  
Data File : BF144310.D  
Acq On : 21 Nov 2025 16:19  
Operator : RC/JU  
Sample : Q3699-03 2X  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-06-112025

Quant Time: Nov 21 17:24:50 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF110525.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 05 18:37:33 2025  
Response via : Initial Calibration

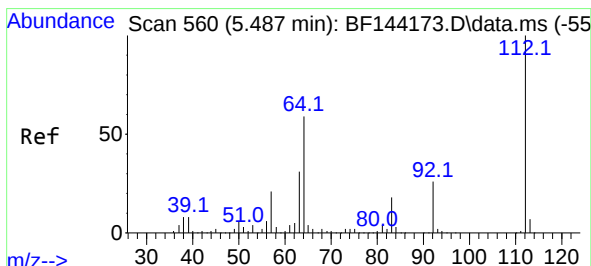
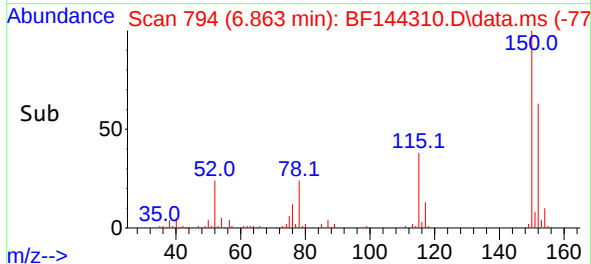
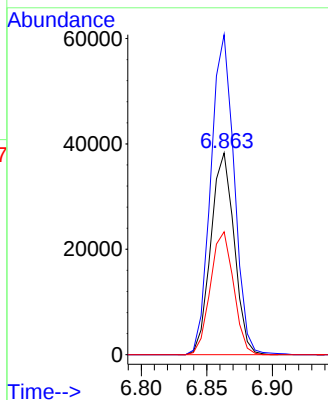
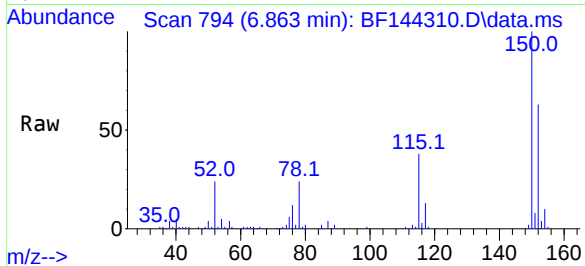




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.863 min Scan# 794  
Delta R.T. -0.012 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19

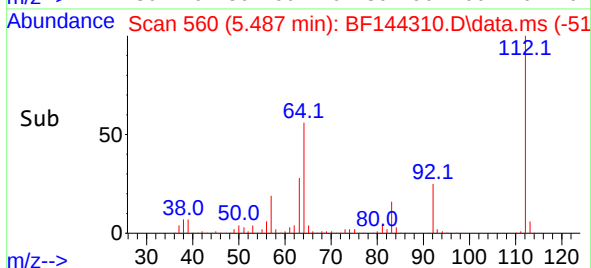
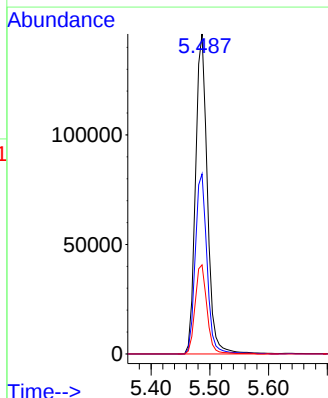
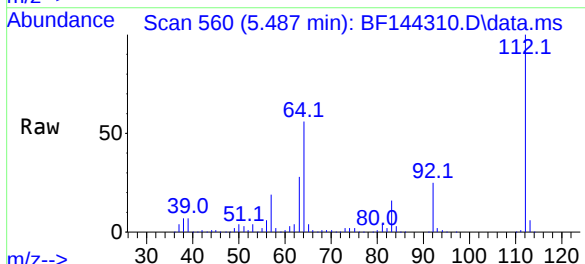
Instrument :  
BNA\_F  
ClientSampleId :  
TR-06-112025

Tgt Ion:152 Resp: 47398  
Ion Ratio Lower Upper  
152 100  
150 158.5 127.4 191.0  
115 60.9 49.5 74.3

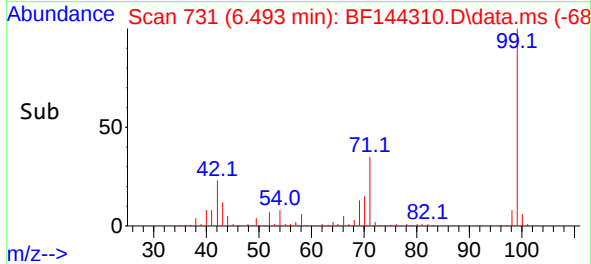
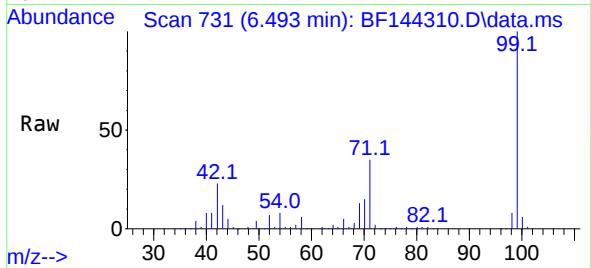
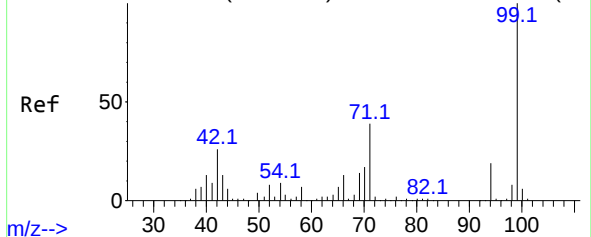


#5  
2-Fluorophenol  
Concen: 67.613 ng  
RT: 5.487 min Scan# 560  
Delta R.T. -0.006 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19

Tgt Ion:112 Resp: 204791  
Ion Ratio Lower Upper  
112 100  
64 56.2 47.2 70.8  
63 27.9 24.4 36.6



Abundance Scan 733 (6.504 min): BF144173.D\data.ms (-72



#7

Phenol-d6

Concen: 63.994 ng

RT: 6.493 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144310.D

Acq: 21 Nov 2025 16:19

Instrument :

BNA\_F

ClientSampleId :

TR-06-112025

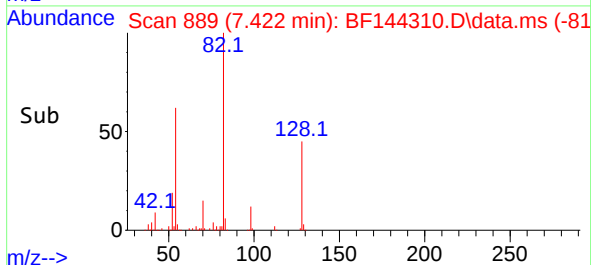
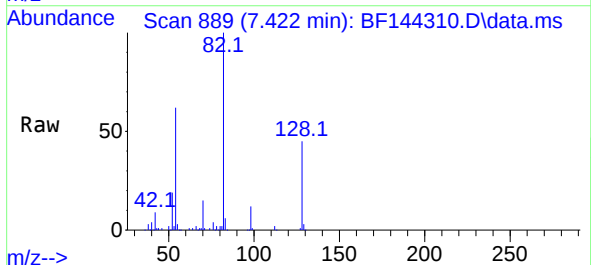
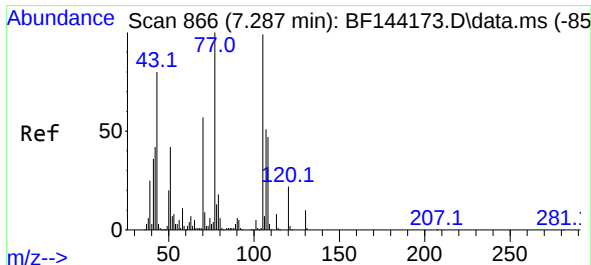
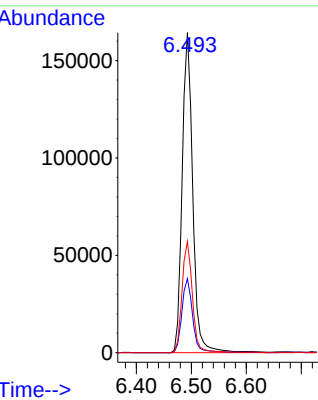
Tgt Ion: 99 Resp: 219623

Ion Ratio Lower Upper

99 100

42 23.1 20.9 31.3

71 34.7 31.4 47.2



#19

n-Nitroso-di-n-propylamine

Concen: 8.669 ng

RT: 7.422 min Scan# 889

Delta R.T. 0.147 min

Lab File: BF144310.D

Acq: 21 Nov 2025 16:19

Tgt Ion: 70 Resp: 19585

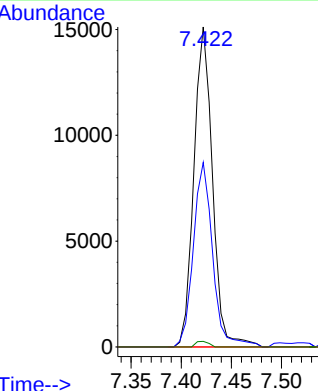
Ion Ratio Lower Upper

70 100

42 57.7 58.3 87.5#

101 0.0 7.0 10.6#

130 1.8 14.4 21.6#



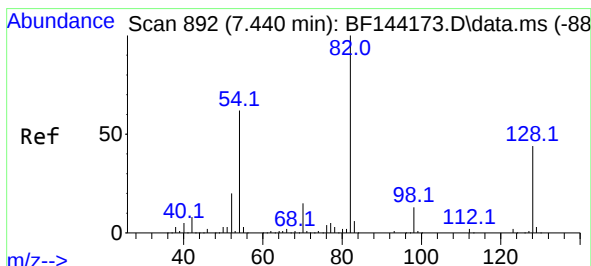
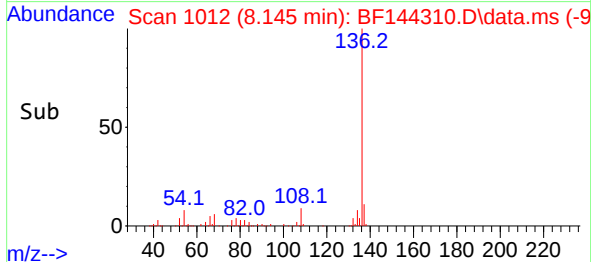
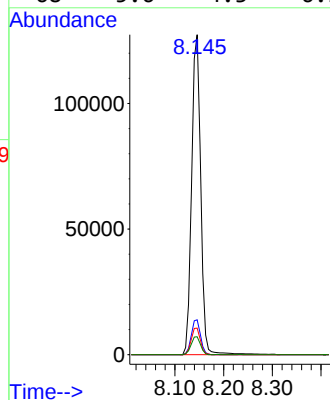
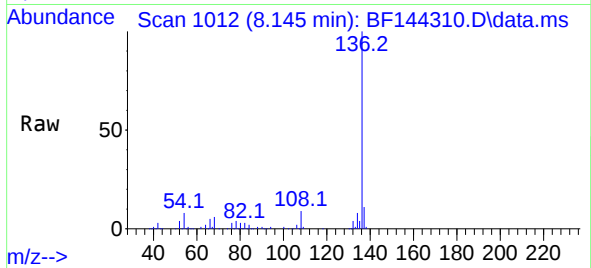


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.145 min Scan# 1014  
Delta R.T. -0.012 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19

Instrument :  
BNA\_F  
ClientSampleId :  
TR-06-112025

Tgt Ion:136 Resp: 165666

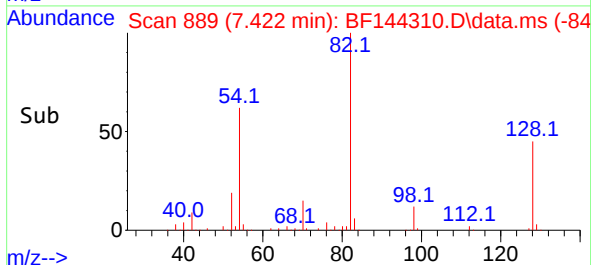
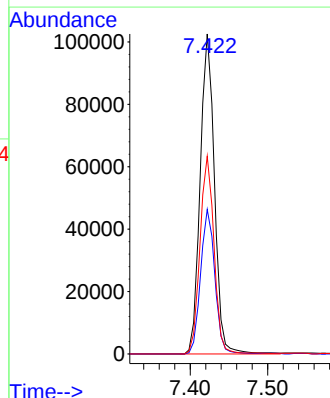
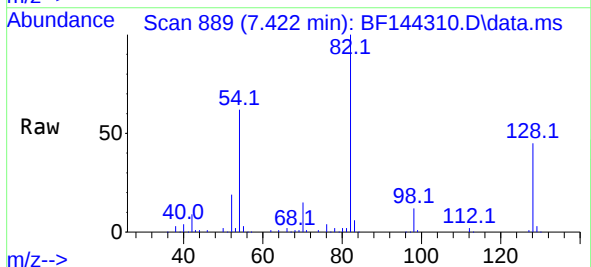
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.6   | 13.0  |
| 54  | 8.3   | 7.0   | 10.6  |
| 68  | 5.6   | 4.3   | 6.5   |

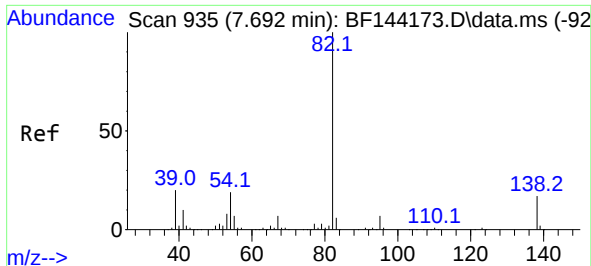


#23  
Nitrobenzene-d5  
Concen: 45.823 ng  
RT: 7.422 min Scan# 889  
Delta R.T. -0.012 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19

Tgt Ion: 82 Resp: 131439

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 45.2  | 34.7  | 52.1  |
| 54  | 61.8  | 49.5  | 74.3  |

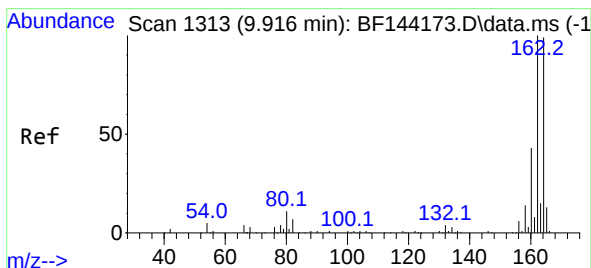
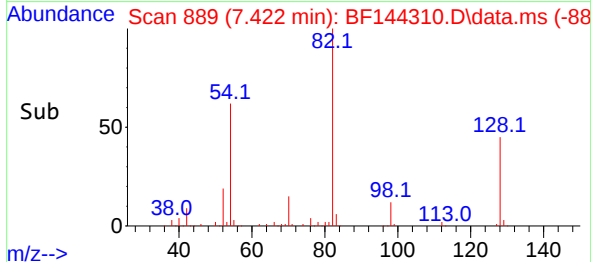
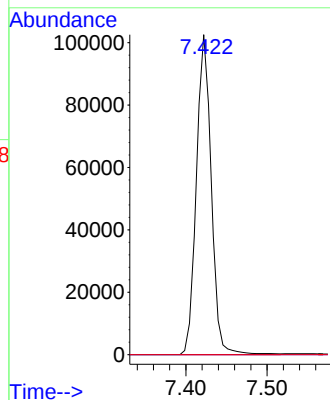
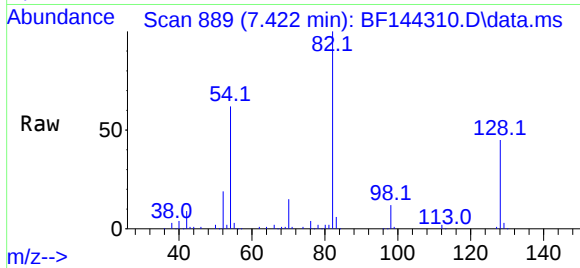




#25  
Isophorone  
Concen: 24.225 ng  
RT: 7.422 min Scan# 81  
Delta R.T. -0.265 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19

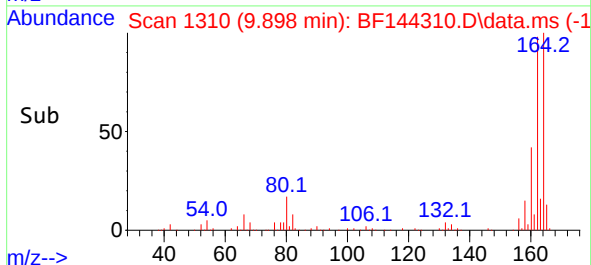
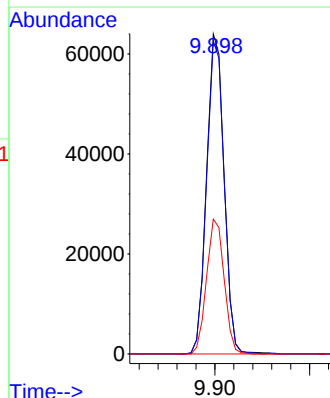
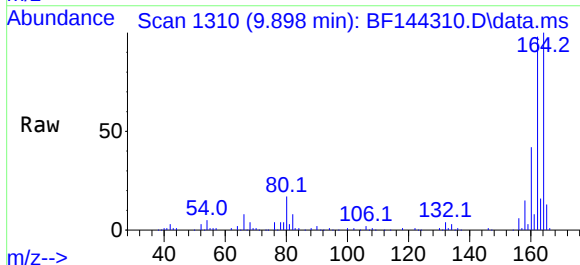
Instrument :  
BNA\_F  
ClientSampleId :  
TR-06-112025

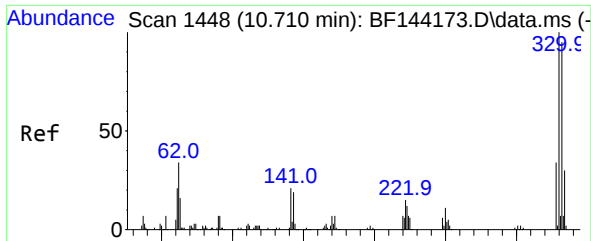
Tgt Ion: 82 Resp: 131438  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 13.7 20.5#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.898 min Scan# 1310  
Delta R.T. -0.018 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19

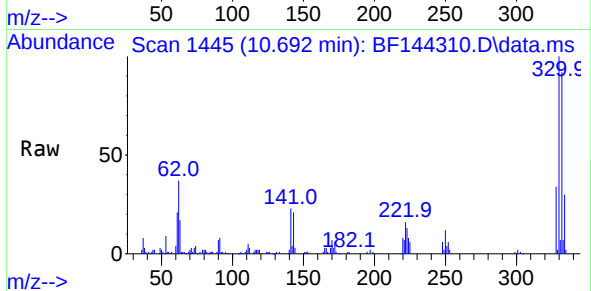
Tgt Ion: 164 Resp: 81857  
Ion Ratio Lower Upper  
164 100  
162 97.8 81.1 121.7  
160 42.1 34.5 51.7



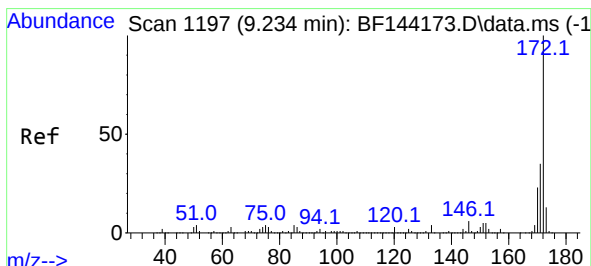
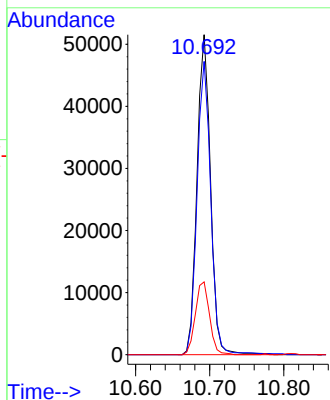
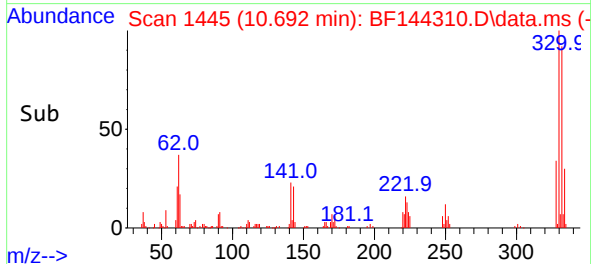


#42  
2,4,6-Tribromophenol  
Concen: 63.388 ng  
RT: 10.692 min Scan# 1445  
Delta R.T. -0.012 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19

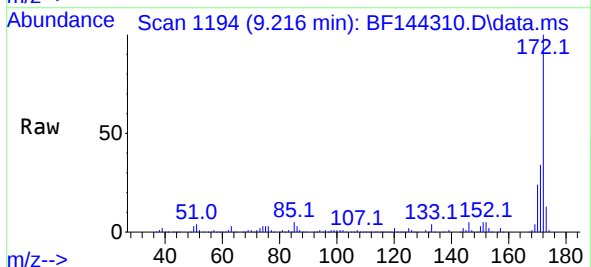
Instrument :  
BNA\_F  
ClientSampleId :  
TR-06-112025



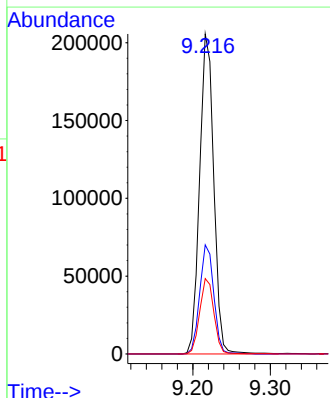
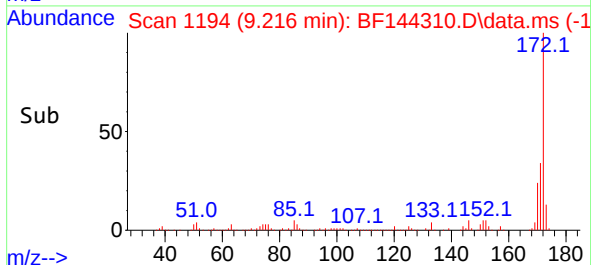
Tgt Ion:330 Resp: 65113  
Ion Ratio Lower Upper  
330 100  
332 93.0 76.7 115.1  
141 23.9 17.8 26.8



#45  
2-Fluorobiphenyl  
Concen: 47.020 ng  
RT: 9.216 min Scan# 1194  
Delta R.T. -0.012 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19



Tgt Ion:172 Resp: 260603  
Ion Ratio Lower Upper  
172 100  
171 34.1 28.1 42.1  
170 23.5 18.6 28.0

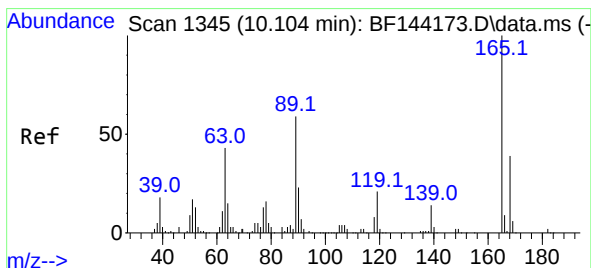
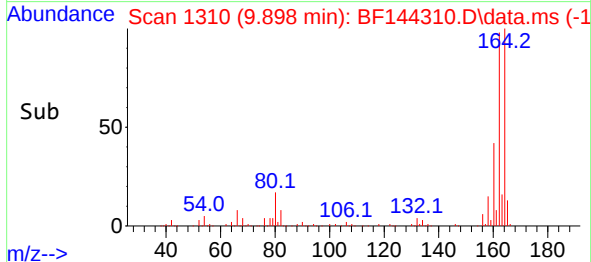
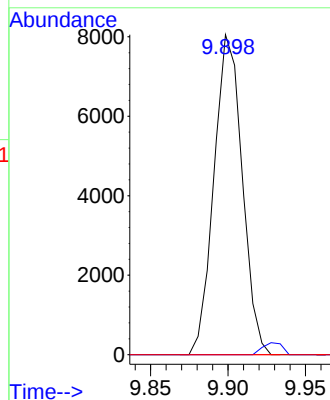
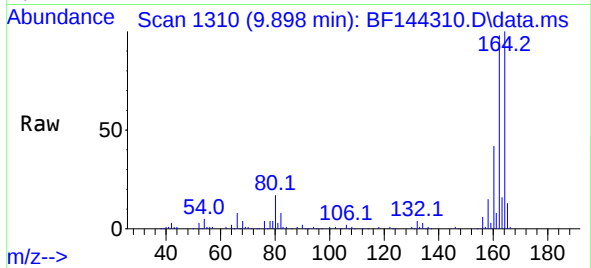




#51  
2,6-Dinitrotoluene  
Concen: 9.296 ng  
RT: 9.898 min Scan# 1310  
Delta R.T. 0.206 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19

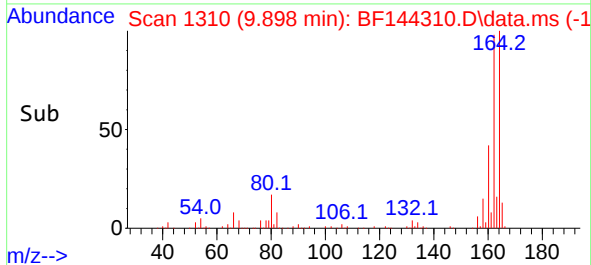
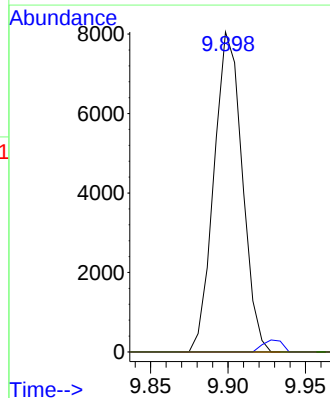
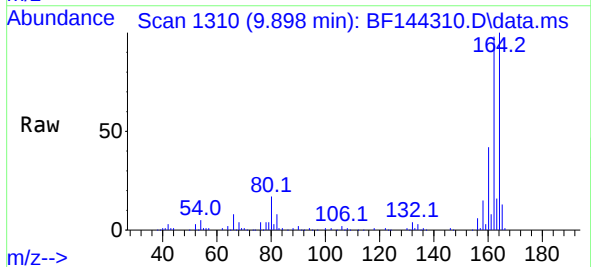
Instrument :  
BNA\_F  
ClientSampleId :  
TR-06-112025

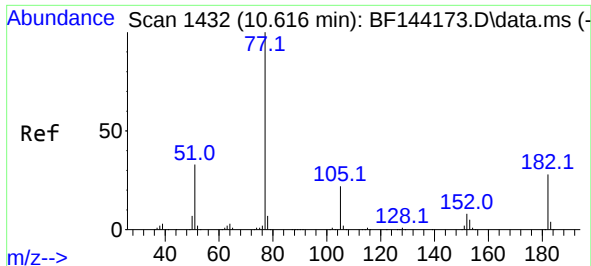
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 43.8  | 65.8# |
| 89      | 0.0   | 37.5  | 56.3# |



#57  
2,4-Dinitrotoluene  
Concen: 6.944 ng  
RT: 9.898 min Scan# 1310  
Delta R.T. -0.200 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 35.5  | 53.3# |
| 89      | 0.0   | 47.4  | 71.2# |
| 182     | 0.0   | 1.9   | 2.9#  |

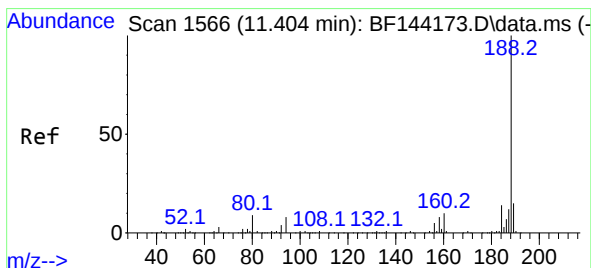
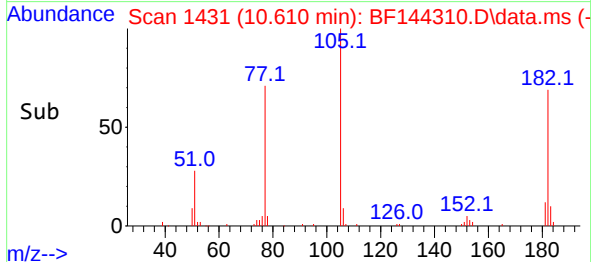
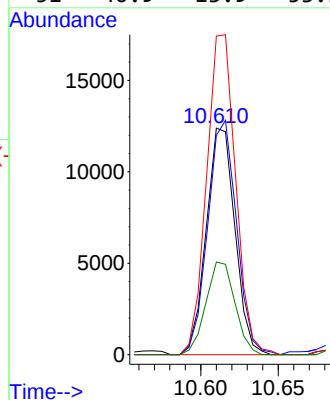
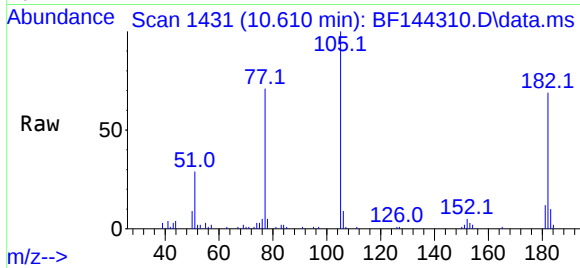




#63  
Azobenzene  
Concen: 3.438 ng  
RT: 10.610 min Scan# 1432  
Delta R.T. -0.006 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19

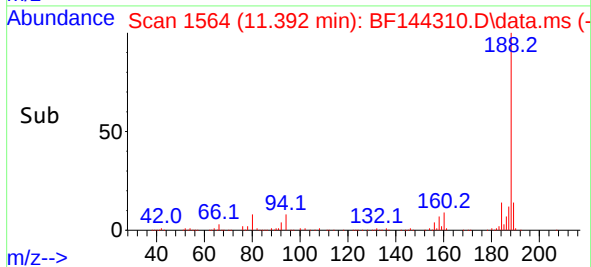
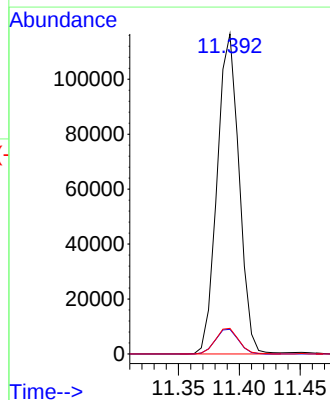
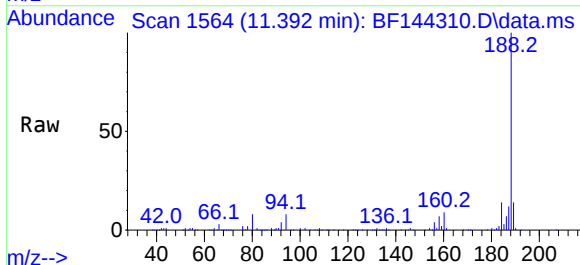
Instrument :  
BNA\_F  
ClientSampleId :  
TR-06-112025

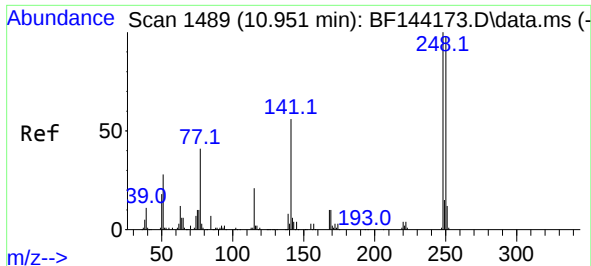
|             |             |
|-------------|-------------|
| Tgt Ion: 77 | Resp: 15997 |
| Ion Ratio   | Lower Upper |
| 77 100      |             |
| 182 96.8    | 8.1 48.1#   |
| 105 140.6   | 2.0 42.0#   |
| 51 40.9     | 13.9 53.9   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.392 min Scan# 1564  
Delta R.T. -0.012 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19

|              |              |
|--------------|--------------|
| Tgt Ion: 188 | Resp: 146398 |
| Ion Ratio    | Lower Upper  |
| 188 100      |              |
| 94 7.7       | 6.2 9.2      |
| 80 8.0       | 6.9 10.3     |

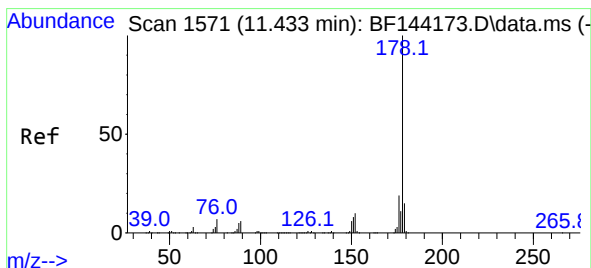
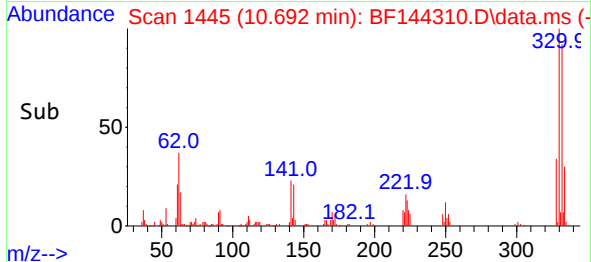
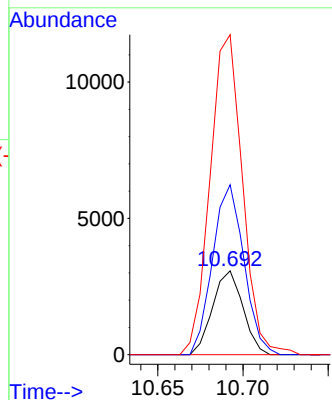
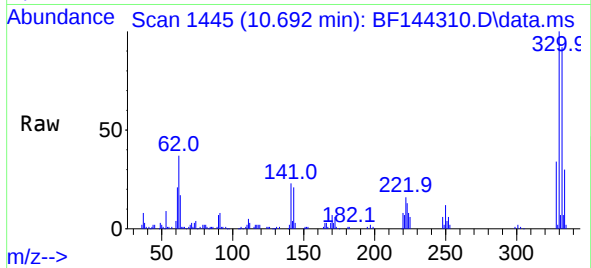




#67  
4-Bromophenyl-phenylether  
Concen: 2.036 ng  
RT: 10.692 min Scan# 1489  
Delta R.T. -0.253 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19

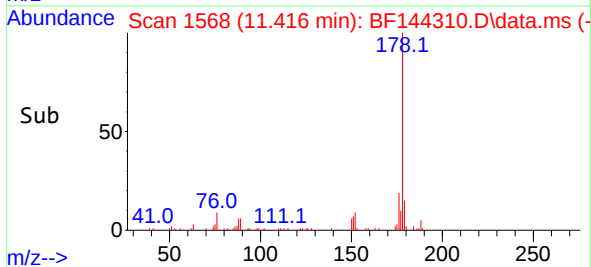
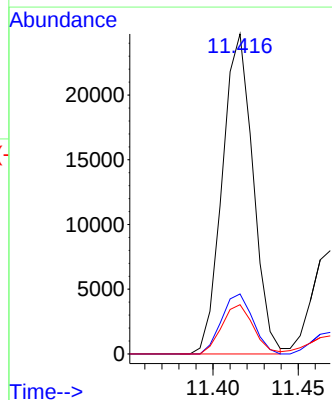
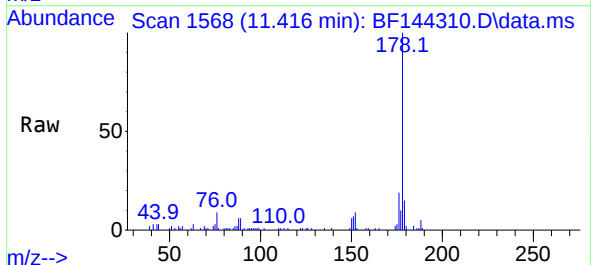
Instrument :  
BNA\_F  
ClientSampleId :  
TR-06-112025

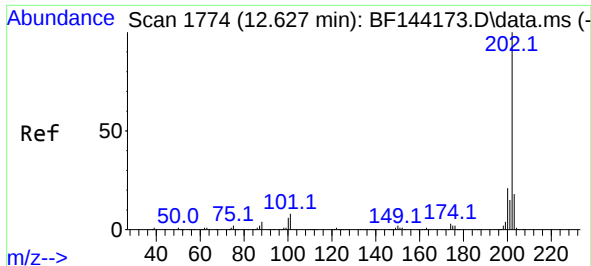
Tgt Ion:248 Resp: 3805  
Ion Ratio Lower Upper  
248 100  
250 202.6 78.4 117.6#  
141 381.5 45.1 67.7#



#71  
Phenanthrene  
Concen: 4.256 ng  
RT: 11.416 min Scan# 1568  
Delta R.T. -0.012 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19

Tgt Ion:178 Resp: 31025  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.5 23.3  
179 15.4 12.2 18.4

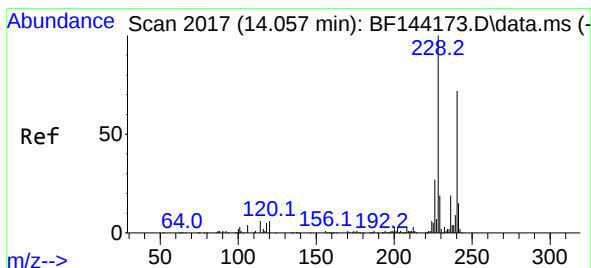
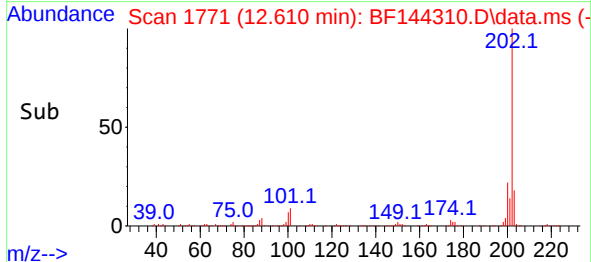
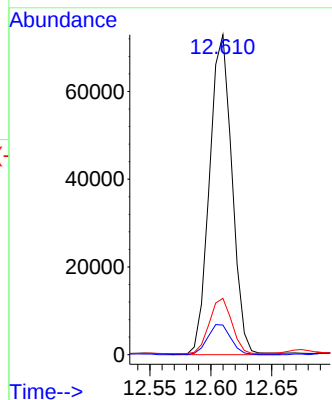
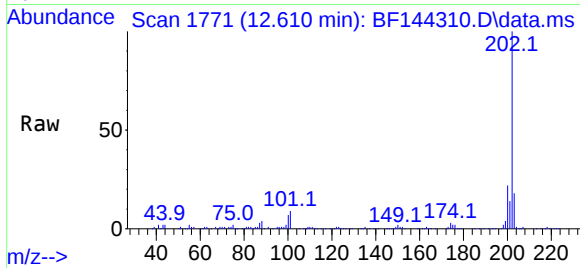




#75  
Fluoranthene  
Concen: 12.500 ng  
RT: 12.610 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19

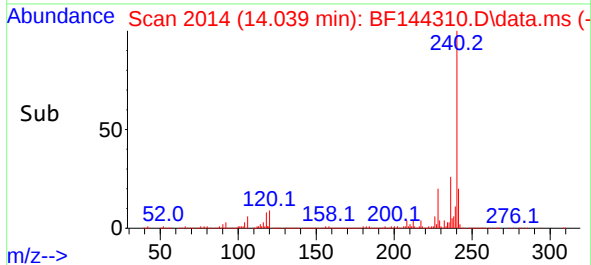
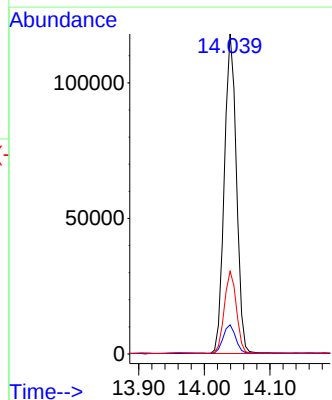
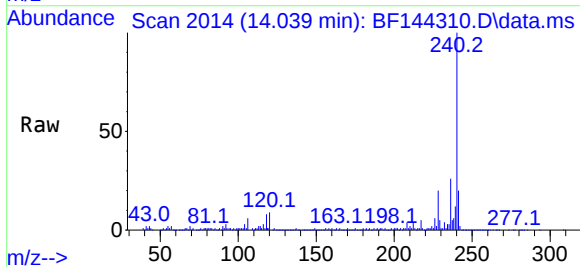
Instrument :  
BNA\_F  
ClientSampleId :  
TR-06-112025

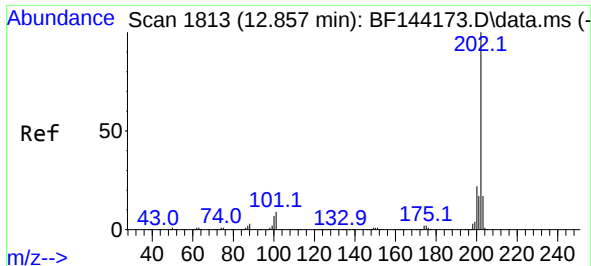
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 94119 |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 9.3   | 0.0   | 27.9  |
| 203      | 17.6  | 0.0   | 37.5  |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2014  
Delta R.T. -0.012 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 150531 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 9.1   | 6.6   | 10.0   |
| 236      | 25.9  | 21.4  | 32.2   |

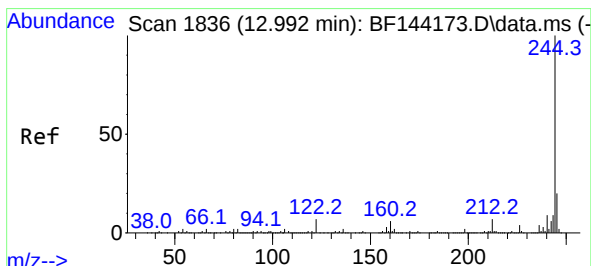
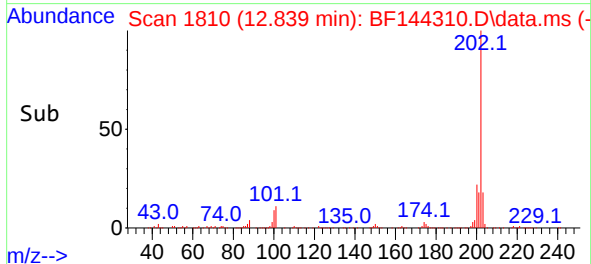
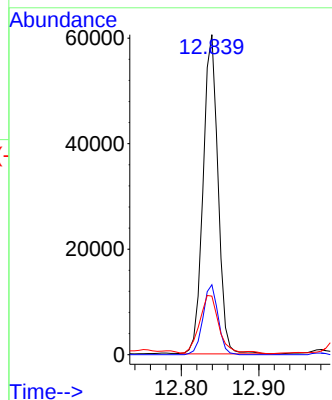
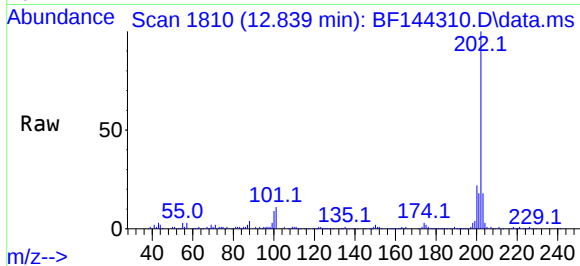




#78  
Pyrene  
Concen: 6.660 ng  
RT: 12.839 min Scan# 1810  
Delta R.T. -0.012 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19

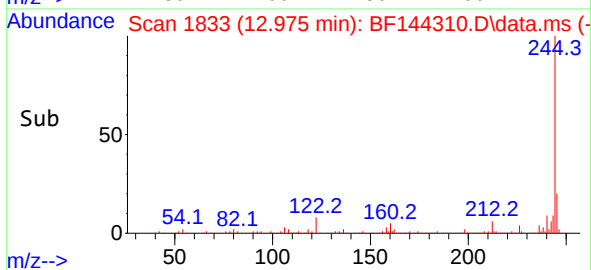
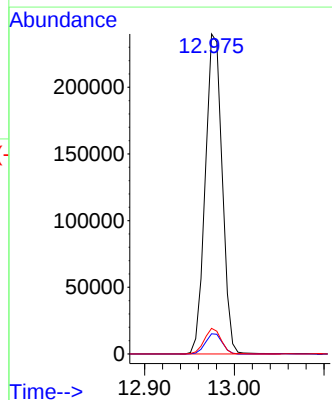
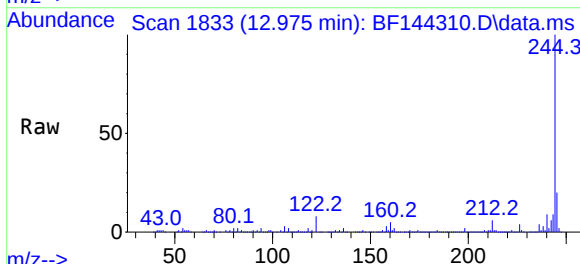
Instrument :  
BNA\_F  
ClientSampleId :  
TR-06-112025

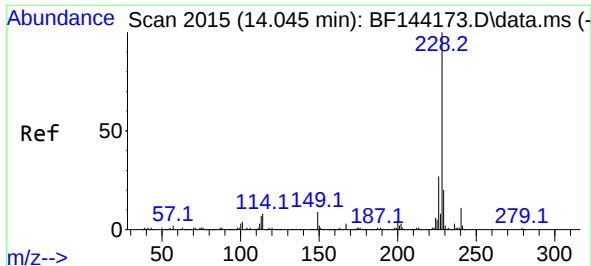
Tgt Ion:202 Resp: 80839  
Ion Ratio Lower Upper  
202 100  
200 21.8 17.2 25.8  
203 18.3 13.7 20.5



#79  
Terphenyl-d14  
Concen: 33.088 ng  
RT: 12.975 min Scan# 1833  
Delta R.T. -0.018 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19

Tgt Ion:244 Resp: 313570  
Ion Ratio Lower Upper  
244 100  
212 6.3 5.3 7.9  
122 8.0 5.6 8.4

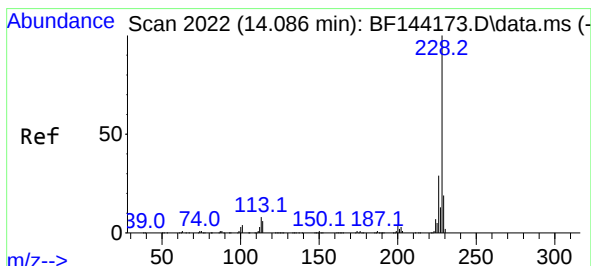
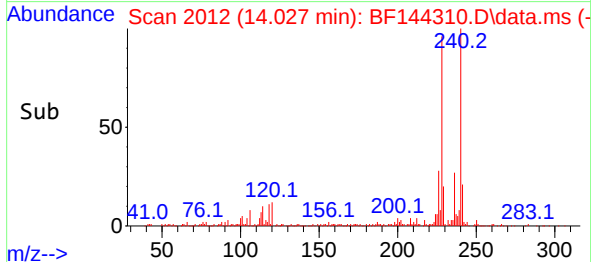
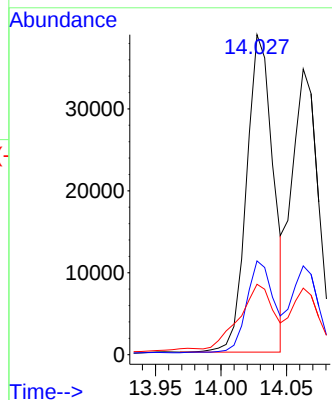
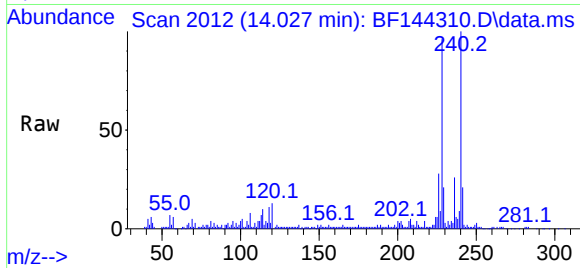




#81  
Benzo(a)anthracene  
Concen: 5.235 ng  
RT: 14.027 min Scan# 2012  
Delta R.T. -0.018 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19

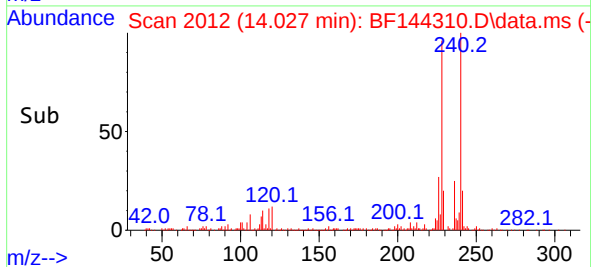
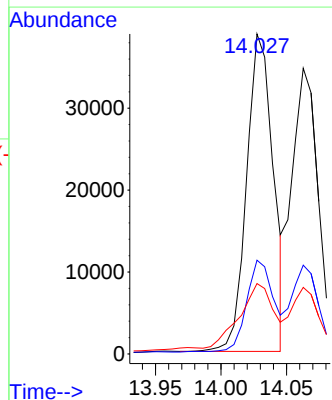
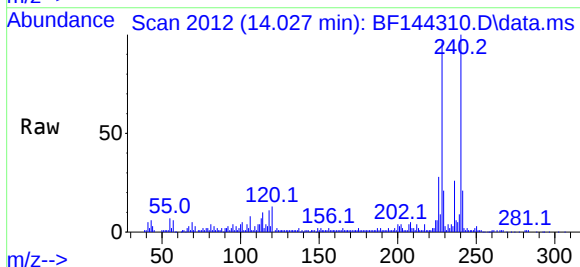
Instrument :  
BNA\_F  
ClientSampleId :  
TR-06-112025

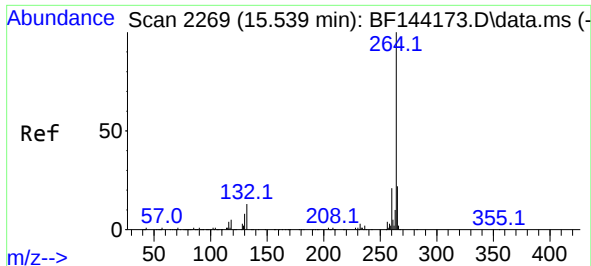
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 54615 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 29.3  | 21.8  | 32.8  |
| 229       | 22.0  | 15.8  | 23.6  |



#83  
Chrysene  
Concen: 5.671 ng  
RT: 14.027 min Scan# 2012  
Delta R.T. -0.053 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 54615 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 29.3  | 22.9  | 34.3  |
| 229       | 22.0  | 15.0  | 22.6  |

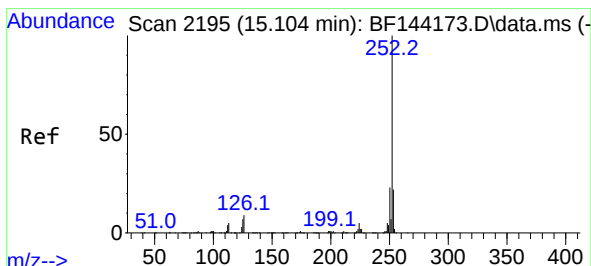
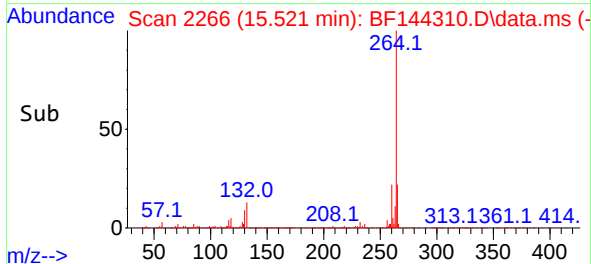
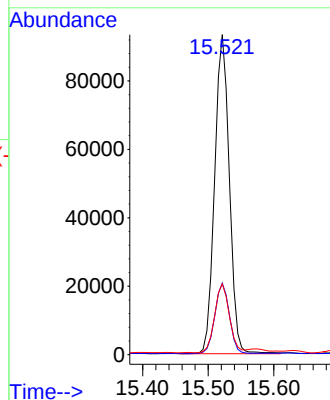
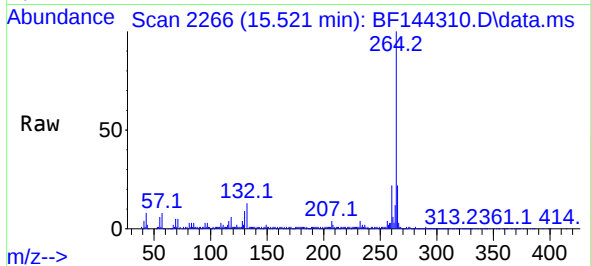




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.521 min Scan# 2119  
Delta R.T. -0.018 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19

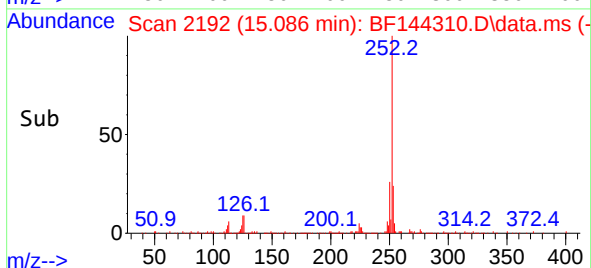
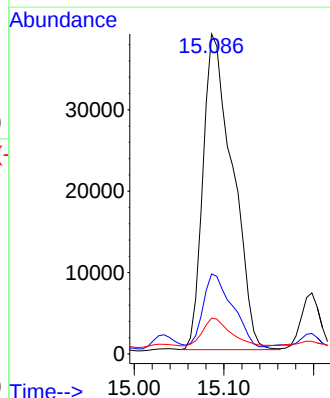
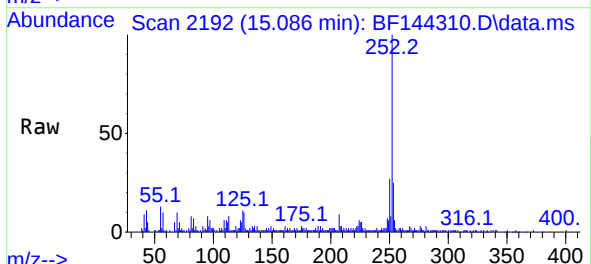
Instrument :  
BNA\_F  
ClientSampleId :  
TR-06-112025

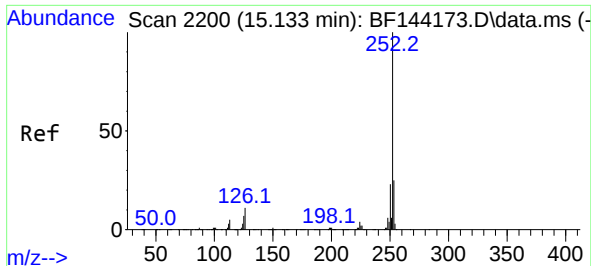
|             |       |        |       |
|-------------|-------|--------|-------|
| Tgt Ion:264 | Resp: | 145046 |       |
| Ion         | Ratio | Lower  | Upper |
| 264         | 100   |        |       |
| 260         | 22.4  | 17.1   | 25.7  |
| 265         | 22.2  | 17.4   | 26.0  |



#88  
Benzo(b)fluoranthene  
Concen: 10.776 ng  
RT: 15.086 min Scan# 2192  
Delta R.T. -0.012 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:252 | Resp: | 88862 |
| Ion | Ratio   | Lower | Upper |
| 252 | 100     |       |       |
| 253 | 25.0    | 17.4  | 26.2  |
| 125 | 11.2    | 5.3   | 7.9#  |





#89

Benzo(k)fluoranthene

Concen: 11.513 ng

RT: 15.086 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF144310.D

Acq: 21 Nov 2025 16:19

Instrument :

BNA\_F

ClientSampleId :

TR-06-112025

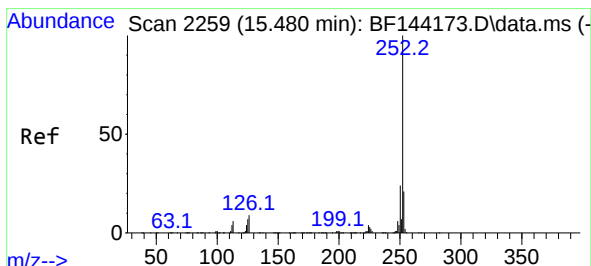
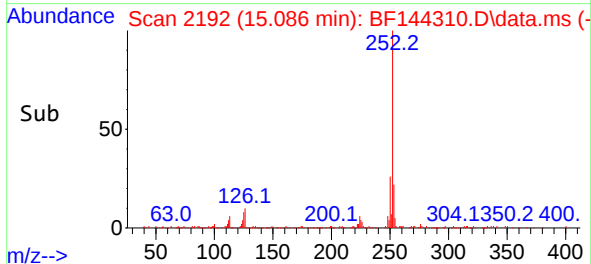
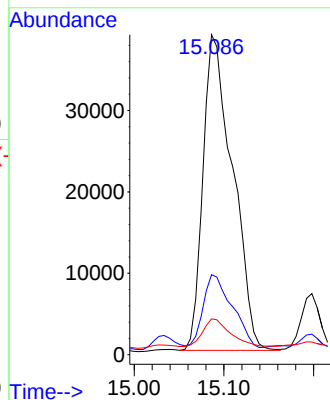
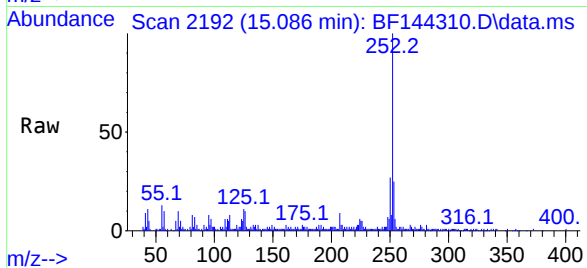
Tgt Ion:252 Resp: 88862

Ion Ratio Lower Upper

252 100

253 25.0 18.0 27.0

125 11.2 5.4 8.2#



#90

Benzo(a)pyrene

Concen: 5.783 ng

RT: 15.457 min Scan# 2255

Delta R.T. -0.018 min

Lab File: BF144310.D

Acq: 21 Nov 2025 16:19

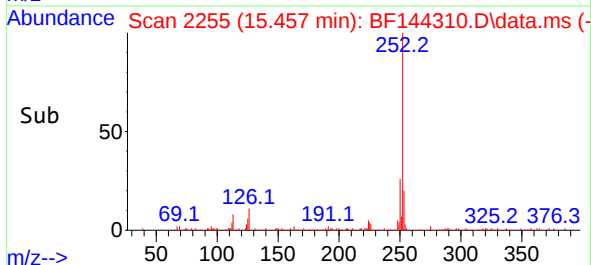
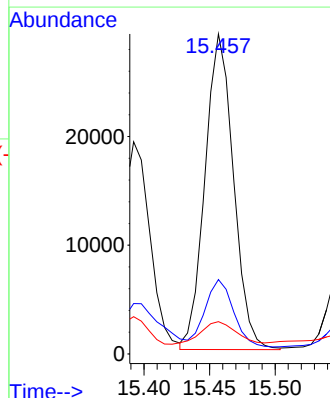
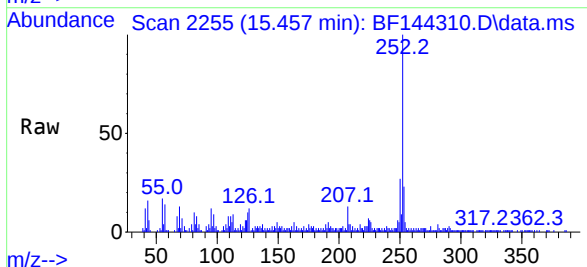
Tgt Ion:252 Resp: 43993

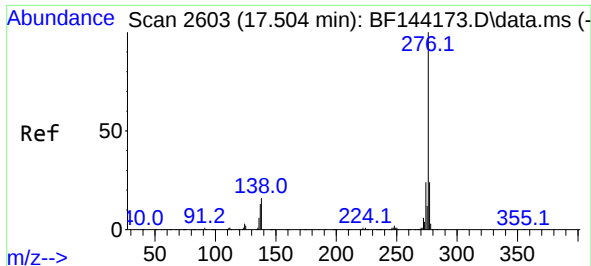
Ion Ratio Lower Upper

252 100

253 23.3 16.7 25.1

125 10.1 5.7 8.5#





#92  
Benzo(g,h,i)perylene  
Concen: 2.321 ng  
RT: 17.468 min Scan# 21  
Delta R.T. -0.023 min  
Lab File: BF144310.D  
Acq: 21 Nov 2025 16:19

Instrument :  
BNA\_F  
ClientSampleId :  
TR-06-112025

Tgt Ion:276 Resp: 19169  
Ion Ratio Lower Upper  
276 100  
277 23.8 19.0 28.4  
138 21.6 12.9 19.3#

