

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112625\  
 Data File : BF144366.D  
 Acq On : 26 Nov 2025 17:42  
 Operator : RC/JU  
 Sample : Q3719-04  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-1125-11B

Quant Time: Nov 26 18:01:45 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

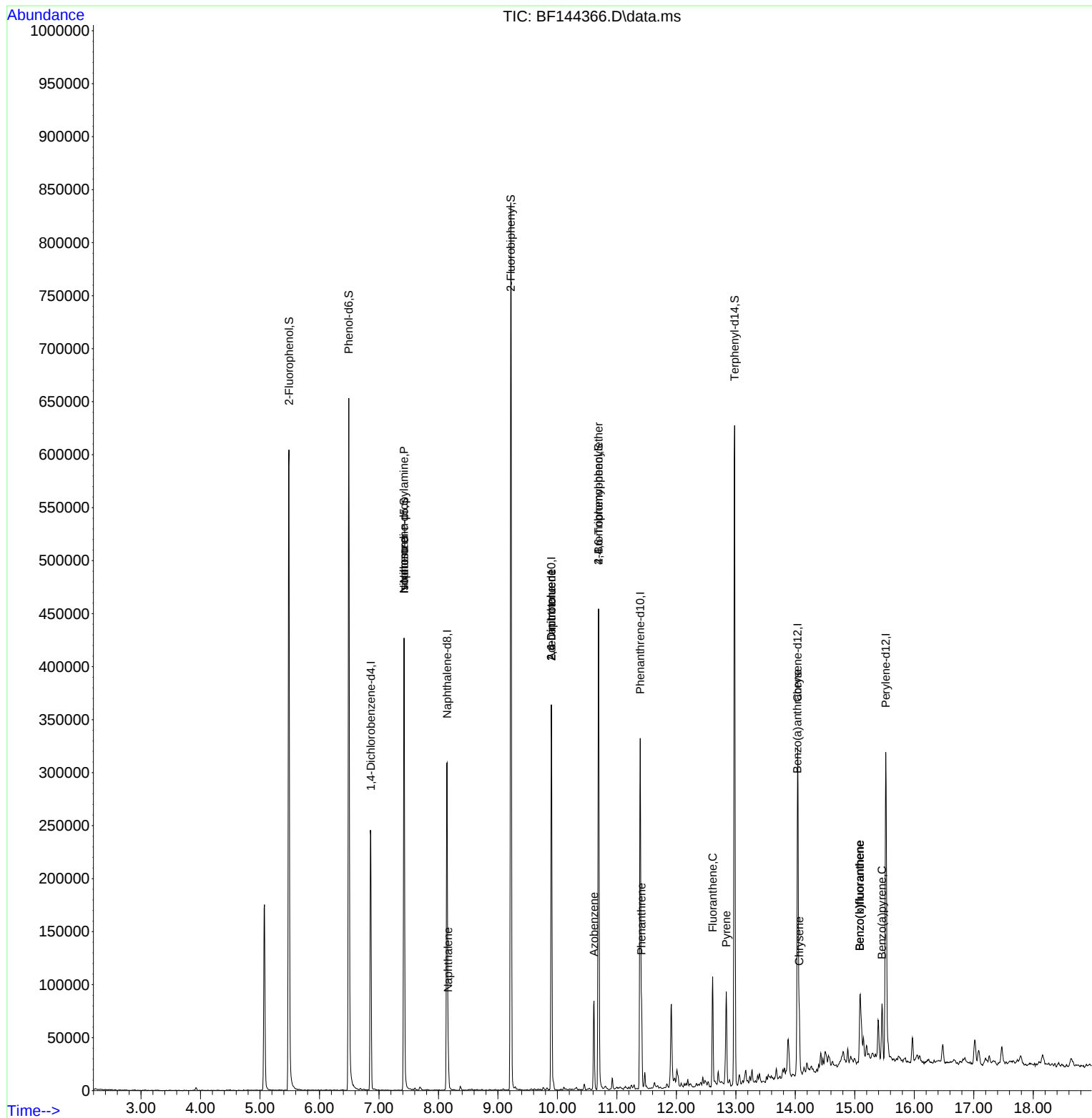
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.863  | 152  | 54876    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.145  | 136  | 211741   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.898  | 164  | 115910   | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10          | 11.392 | 188  | 179392   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12              | 14.039 | 240  | 133511   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12              | 15.521 | 264  | 179241   | 20.000 | ng    | -0.02    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 260303   | 74.229 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.493  | 99   | 304899   | 76.735 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.422  | 82   | 181146   | 49.410 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.692 | 330  | 90825    | 62.443 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.216  | 172  | 397997   | 50.713 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.980 | 244  | 335689   | 39.938 | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.422  | 70   | 25370    | 9.699  | ng    | # 78     |
| 25) Isophorone                | 7.422  | 82   | 181143   | 26.121 | ng    | # 66     |
| 31) Naphthalene               | 8.163  | 128  | 21422    | 2.127  | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.898  | 165  | 14236    | 9.158  | ng    | # 27     |
| 57) 2,4-Dinitrotoluene        | 9.898  | 165  | 14236    | 6.841  | ng    | # 27     |
| 63) Azobenzene                | 10.616 | 77   | 20883    | 3.170  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.692 | 248  | 4866     | 2.125  | ng    | # 1      |
| 71) Phenanthrene              | 11.416 | 178  | 44239    | 4.953  | ng    | 98       |
| 75) Fluoranthene              | 12.610 | 202  | 60025    | 6.506  | ng    | 95       |
| 78) Pyrene                    | 12.839 | 202  | 51970    | 4.828  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.033 | 228  | 36316    | 3.925  | ng    | 93       |
| 83) Chrysene                  | 14.069 | 228  | 30532    | 3.574  | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.086 | 252  | 55906    | 5.486  | ng    | # 96     |
| 89) Benzo(k)fluoranthene      | 15.086 | 252  | 55906    | 5.861  | ng    | # 95     |
| 90) Benzo(a)pyrene            | 15.457 | 252  | 32322    | 3.438  | ng    | # 94     |
| -----                         |        |      |          |        |       |          |

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

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Sample : Q3719-04  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-1125-11B

Quant Time: Nov 26 18:01:45 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

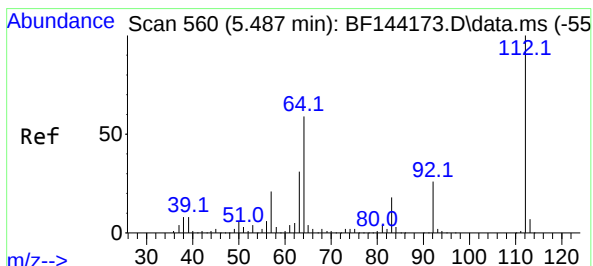
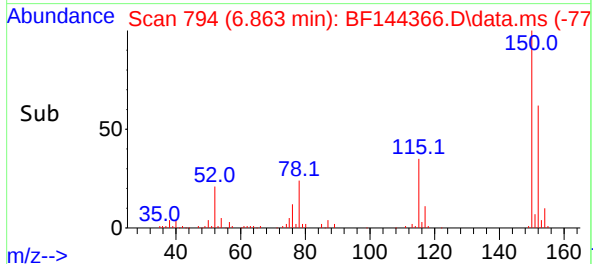
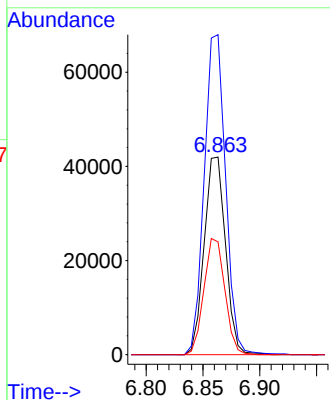
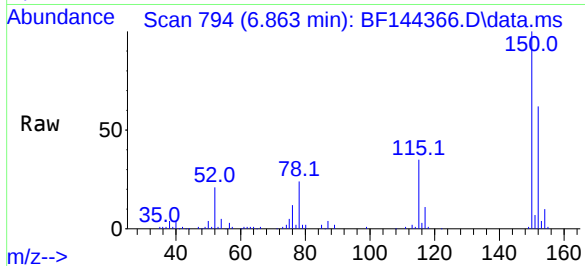




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.863 min Scan# 796  
Delta R.T. -0.012 min  
Lab File: BF144366.D  
Acq: 26 Nov 2025 17:42

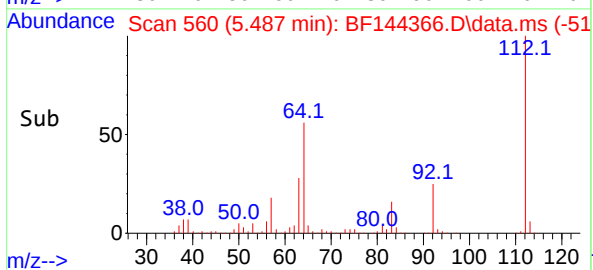
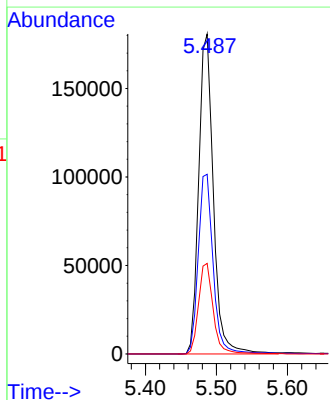
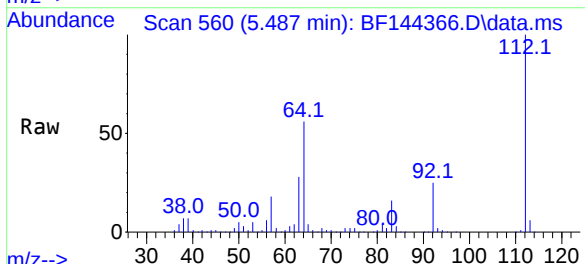
Instrument :  
BNA\_F  
ClientSampleId :  
SB-1125-11B

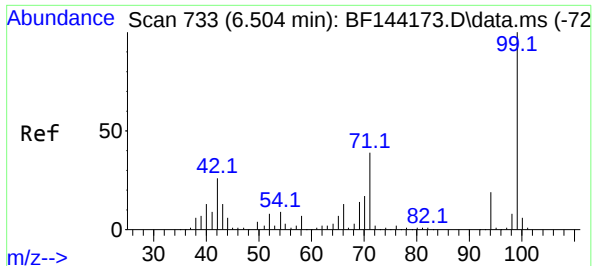
Tgt Ion:152 Resp: 54876  
Ion Ratio Lower Upper  
152 100  
150 162.0 127.4 191.0  
115 57.1 49.5 74.3



#5  
2-Fluorophenol  
Concen: 74.229 ng  
RT: 5.487 min Scan# 560  
Delta R.T. -0.006 min  
Lab File: BF144366.D  
Acq: 26 Nov 2025 17:42

Tgt Ion:112 Resp: 260303  
Ion Ratio Lower Upper  
112 100  
64 56.2 47.2 70.8  
63 28.3 24.4 36.6

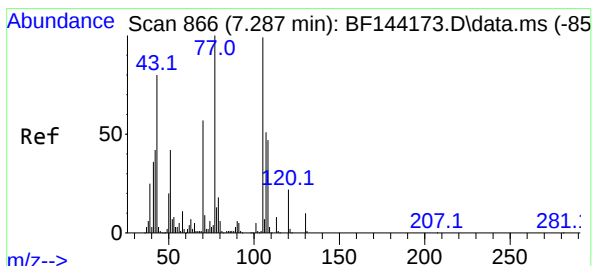
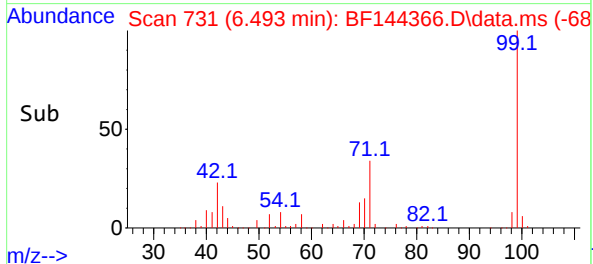
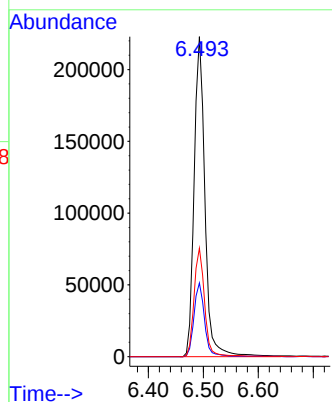
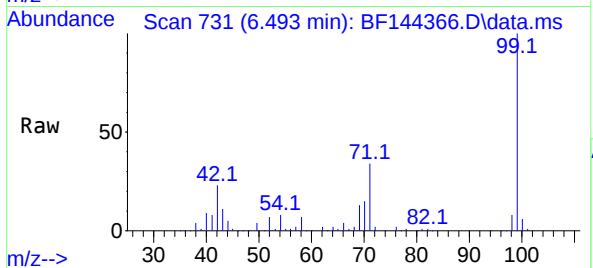




#7  
Phenol-d6  
Concen: 76.735 ng  
RT: 6.493 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF144366.D  
Acq: 26 Nov 2025 17:42

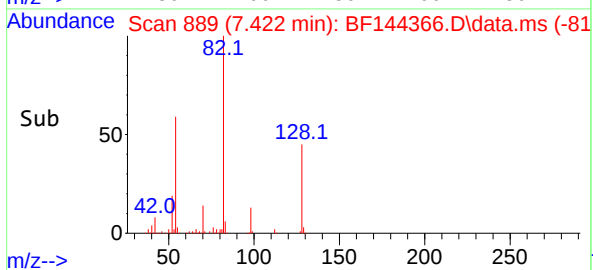
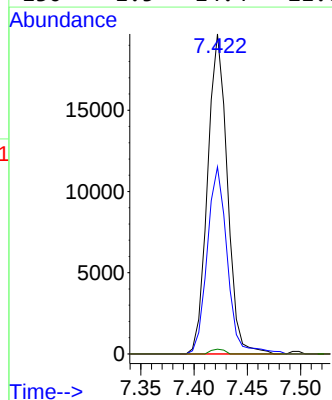
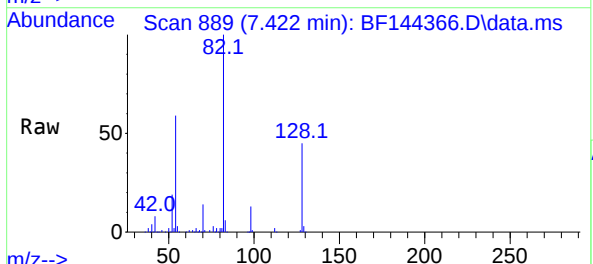
Instrument :  
BNA\_F  
ClientSampleId :  
SB-1125-11B

Tgt Ion: 99 Resp: 304899  
Ion Ratio Lower Upper  
99 100  
42 23.0 20.9 31.3  
71 33.9 31.4 47.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 9.699 ng  
RT: 7.422 min Scan# 889  
Delta R.T. 0.147 min  
Lab File: BF144366.D  
Acq: 26 Nov 2025 17:42

Tgt Ion: 70 Resp: 25370  
Ion Ratio Lower Upper  
70 100  
42 58.4 58.3 87.5  
101 0.0 7.0 10.6#  
130 1.5 14.4 21.6#



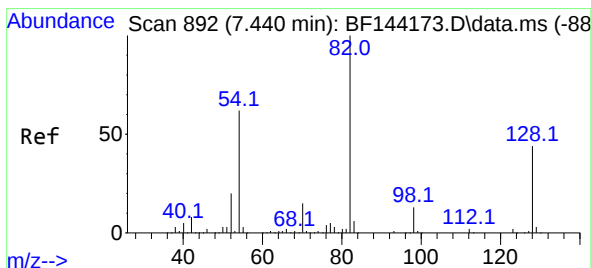
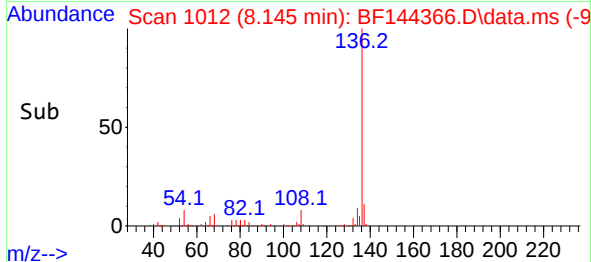
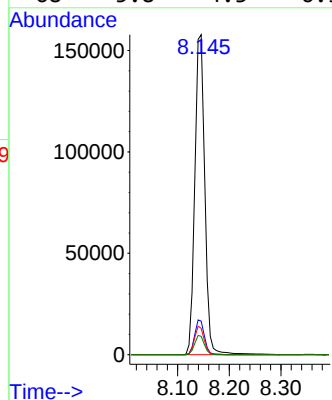
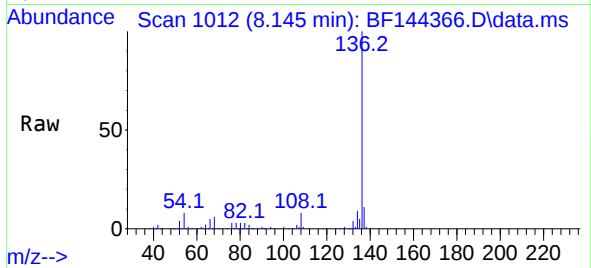


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.145 min Scan# 1012  
Delta R.T. -0.012 min  
Lab File: BF144366.D  
Acq: 26 Nov 2025 17:42

Instrument :  
BNA\_F  
ClientSampleId :  
SB-1125-11B

Tgt Ion:136 Resp: 211741

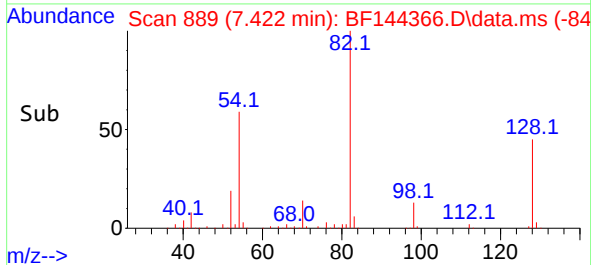
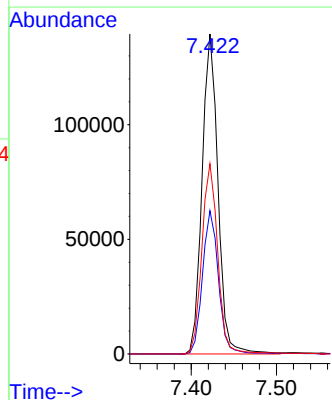
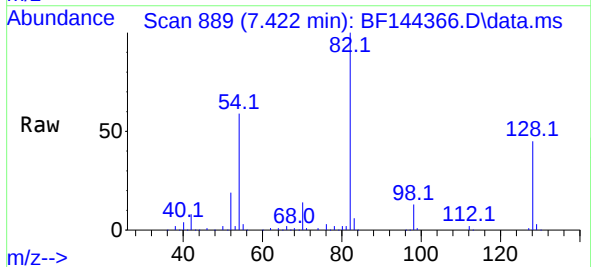
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.5  | 8.6   | 13.0  |
| 54  | 8.3   | 7.0   | 10.6  |
| 68  | 5.8   | 4.3   | 6.5   |

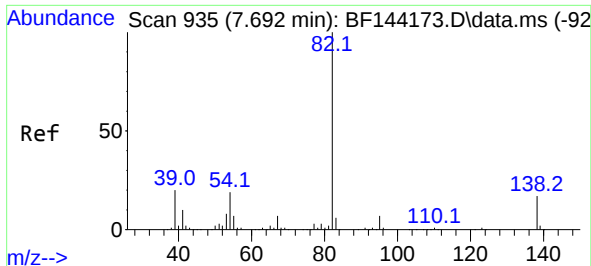


#23  
Nitrobenzene-d5  
Concen: 49.410 ng  
RT: 7.422 min Scan# 889  
Delta R.T. -0.012 min  
Lab File: BF144366.D  
Acq: 26 Nov 2025 17:42

Tgt Ion: 82 Resp: 181146

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.8  | 34.7  | 52.1  |
| 54  | 59.5  | 49.5  | 74.3  |

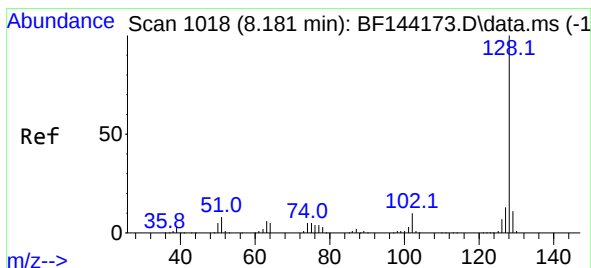
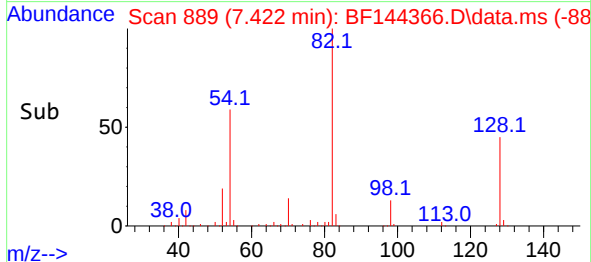
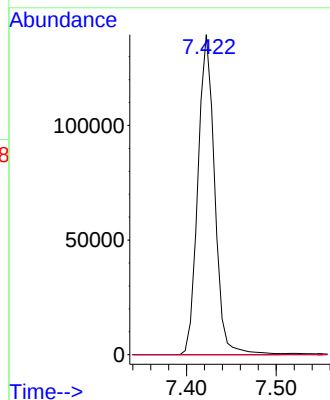
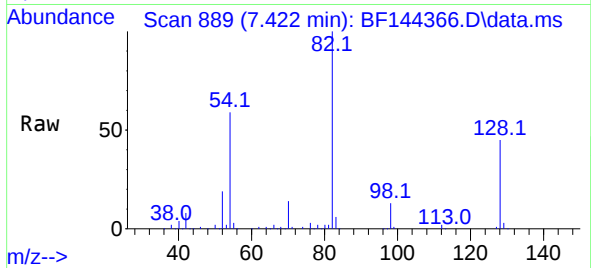




#25  
Isophorone  
Concen: 26.121 ng  
RT: 7.422 min Scan# 81  
Delta R.T. -0.265 min  
Lab File: BF144366.D  
Acq: 26 Nov 2025 17:42

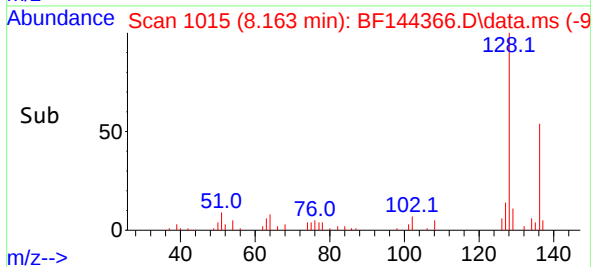
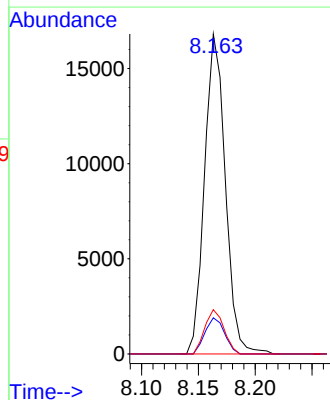
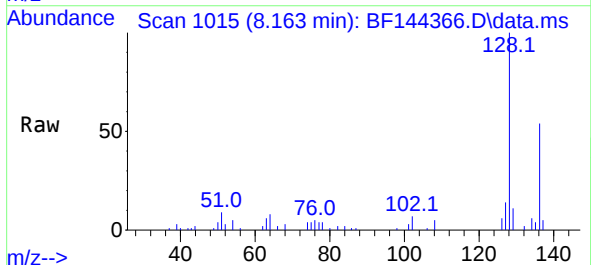
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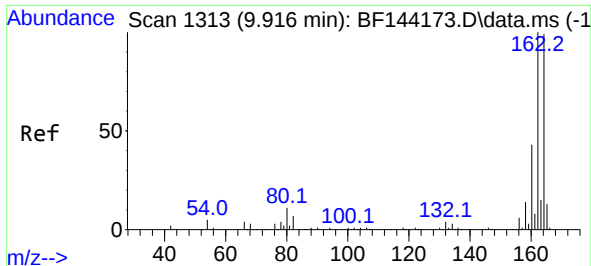
Tgt Ion: 82 Resp: 181143  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 13.7 20.5#



#31  
Naphthalene  
Concen: 2.127 ng  
RT: 8.163 min Scan# 1015  
Delta R.T. -0.012 min  
Lab File: BF144366.D  
Acq: 26 Nov 2025 17:42

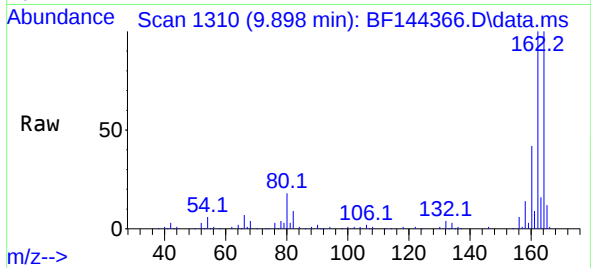
Tgt Ion: 128 Resp: 21422  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.9 13.3  
127 13.9 10.3 15.5



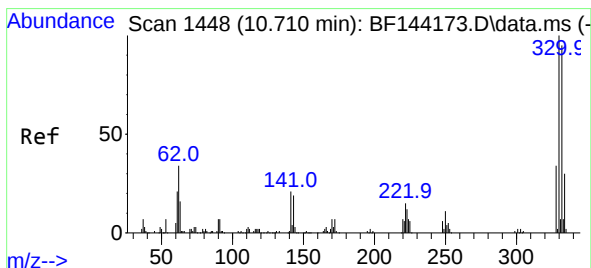
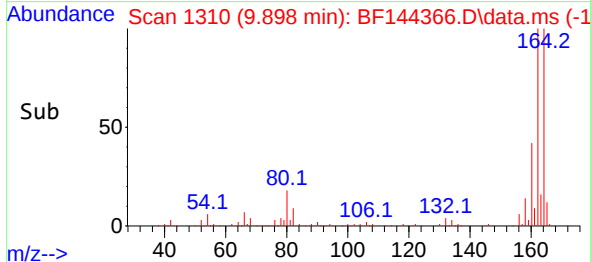
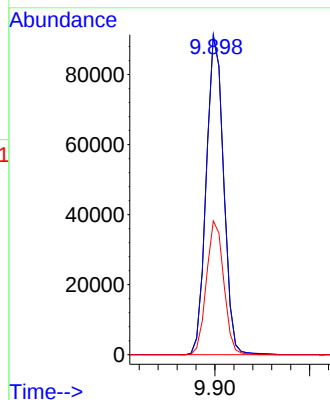


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.898 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: BF144366.D  
Acq: 26 Nov 2025 17:42

Instrument :  
BNA\_F  
ClientSampleId :  
SB-1125-11B

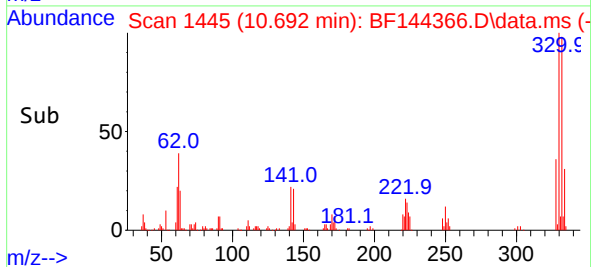
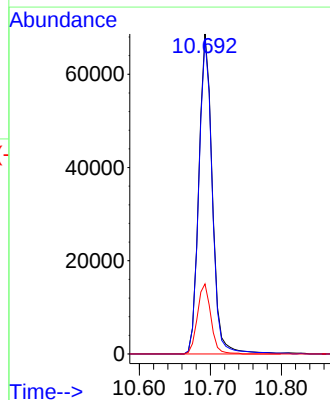
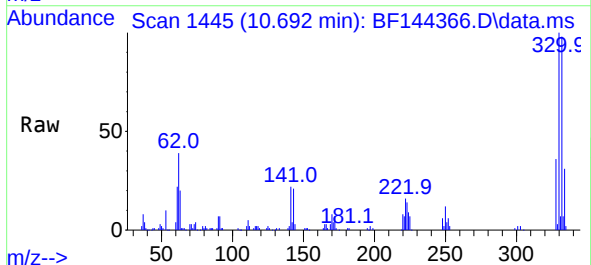


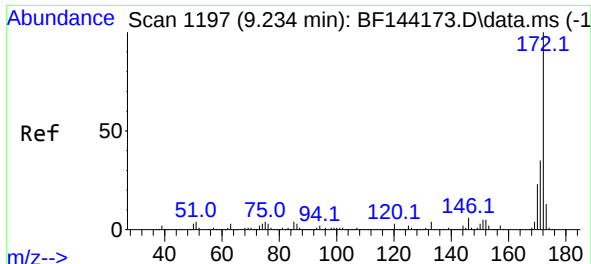
Tgt Ion:164 Resp: 115910  
Ion Ratio Lower Upper  
164 100  
162 100.3 81.1 121.7  
160 42.0 34.5 51.7



#42  
2,4,6-Tribromophenol  
Concen: 62.443 ng  
RT: 10.692 min Scan# 1445  
Delta R.T. -0.012 min  
Lab File: BF144366.D  
Acq: 26 Nov 2025 17:42

Tgt Ion:330 Resp: 90825  
Ion Ratio Lower Upper  
330 100  
332 97.6 76.7 115.1  
141 21.8 17.8 26.8





#45

2-Fluorobiphenyl

Concen: 50.713 ng

RT: 9.216 min Scan# 1194

Delta R.T. -0.012 min

Lab File: BF144366.D

Acq: 26 Nov 2025 17:42

Instrument :

BNA\_F

ClientSampleId :

SB-1125-11B

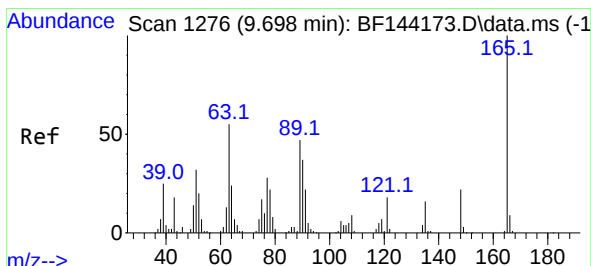
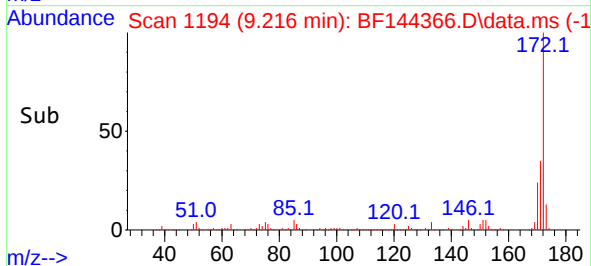
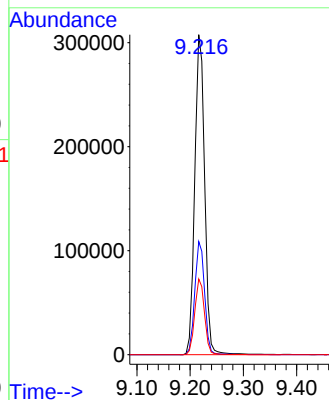
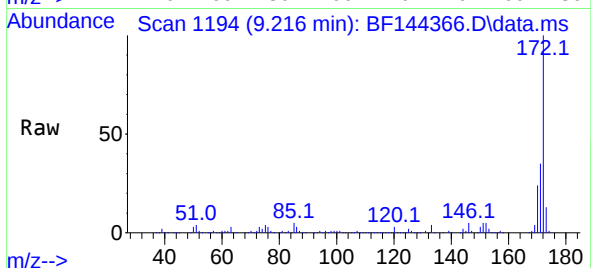
Tgt Ion:172 Resp: 397997

Ion Ratio Lower Upper

172 100

171 35.4 28.1 42.1

170 23.6 18.6 28.0



#51

2,6-Dinitrotoluene

Concen: 9.158 ng

RT: 9.898 min Scan# 1310

Delta R.T. 0.206 min

Lab File: BF144366.D

Acq: 26 Nov 2025 17:42

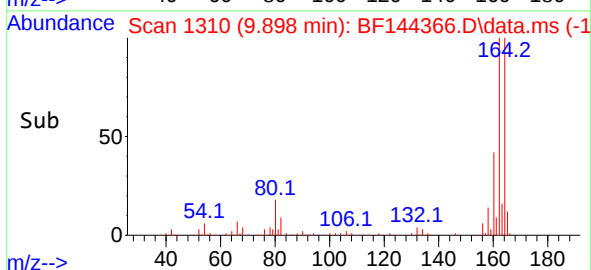
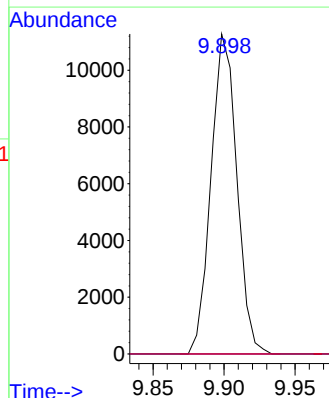
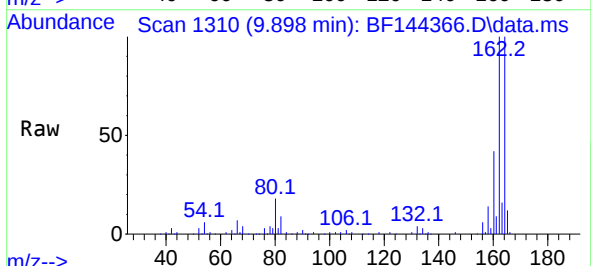
Tgt Ion:165 Resp: 14236

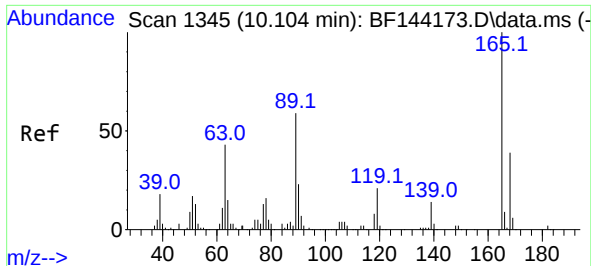
Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

89 0.0 37.5 56.3#

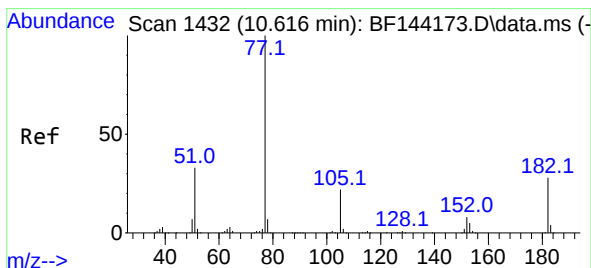
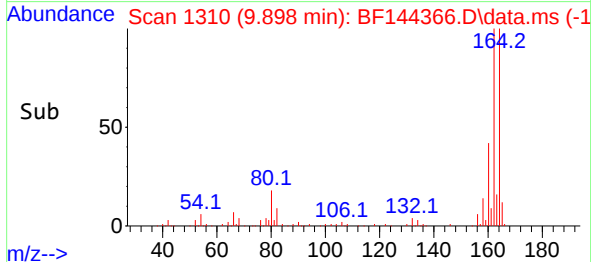
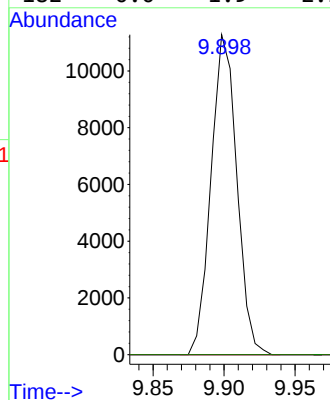
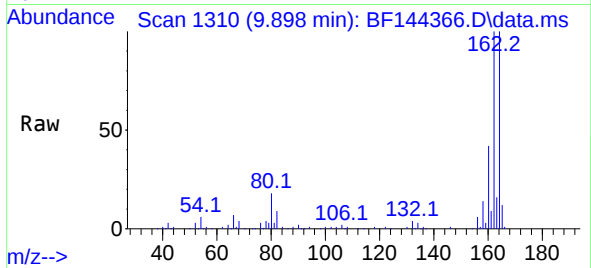




#57  
2,4-Dinitrotoluene  
Concen: 6.841 ng  
RT: 9.898 min Scan# 11  
Delta R.T. -0.200 min  
Lab File: BF144366.D  
Acq: 26 Nov 2025 17:42

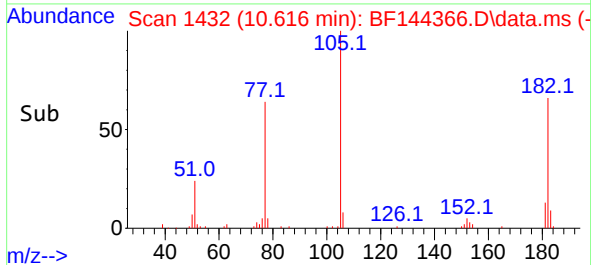
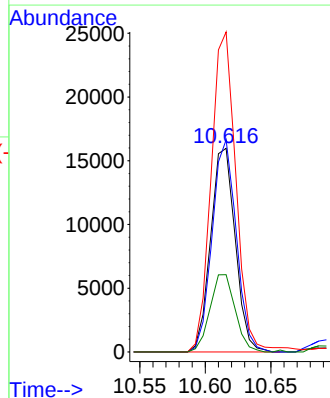
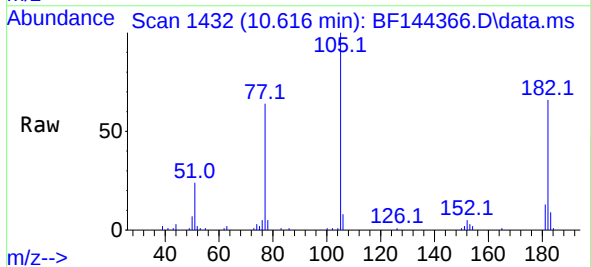
Instrument :  
BNA\_F  
ClientSampleId :  
SB-1125-11B

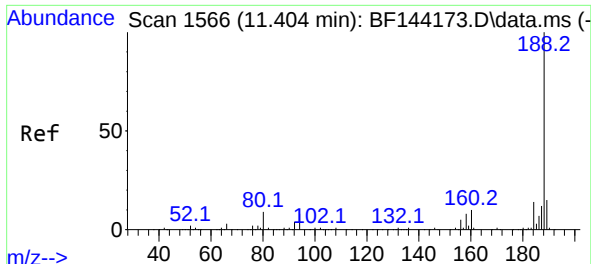
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:165 | Resp: | 14236      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 0.0   | 35.5 53.3# |
| 89          | 0.0   | 47.4 71.2# |
| 182         | 0.0   | 1.9 2.9#   |



#63  
Azobenzene  
Concen: 3.170 ng  
RT: 10.616 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: BF144366.D  
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|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 77 | Resp: | 20883     |
| Ion Ratio   | Lower | Upper     |
| 77          | 100   |           |
| 182         | 104.2 | 8.1 48.1# |
| 105         | 157.1 | 2.0 42.0# |
| 51          | 38.0  | 13.9 53.9 |

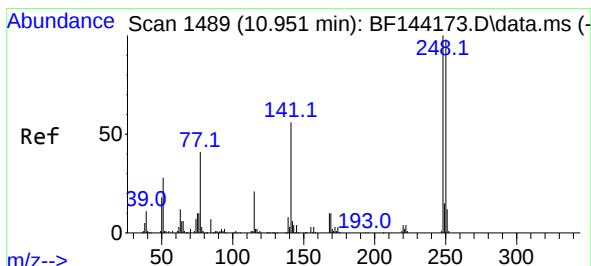
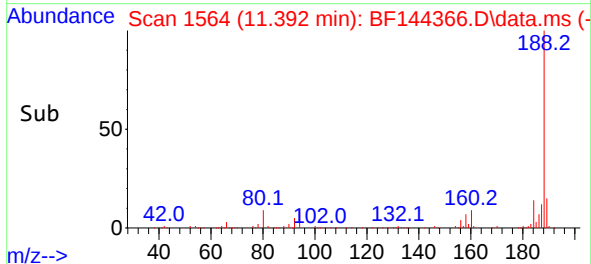
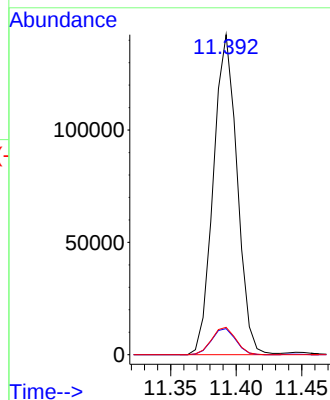
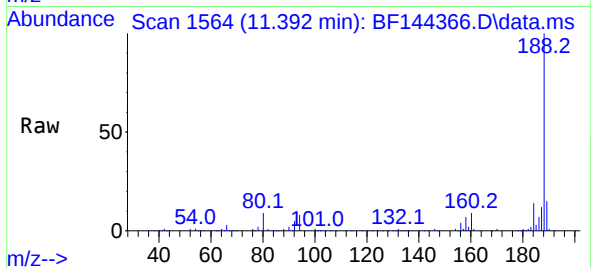




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.392 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF144366.D  
Acq: 26 Nov 2025 17:42

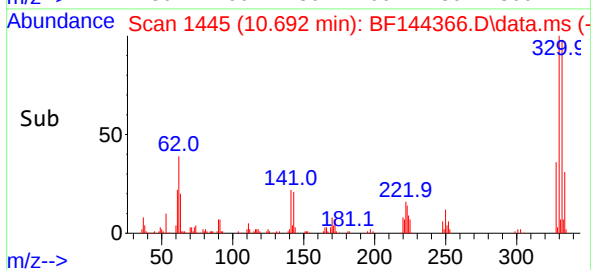
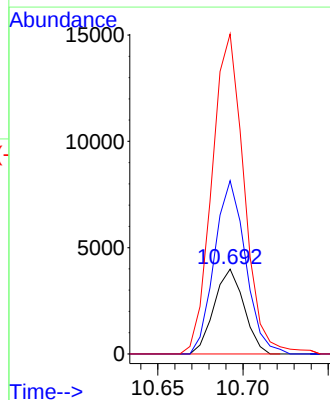
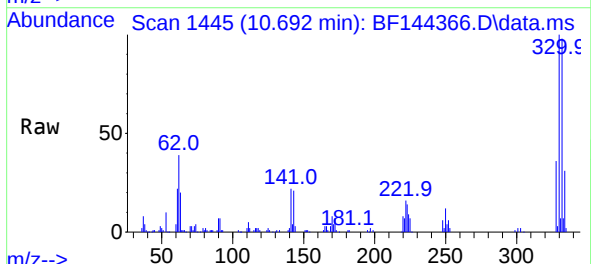
Instrument :  
BNA\_F  
ClientSampleId :  
SB-1125-11B

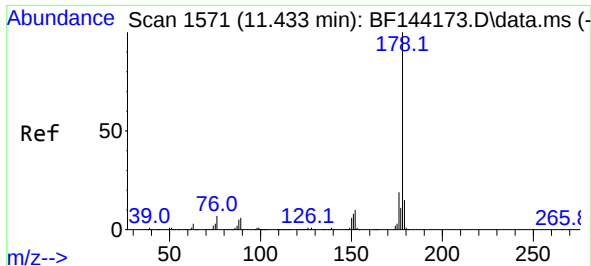
Tgt Ion:188 Resp: 179392  
Ion Ratio Lower Upper  
188 100  
94 8.2 6.2 9.2  
80 8.5 6.9 10.3



#67  
4-Bromophenyl-phenylether  
Concen: 2.125 ng  
RT: 10.692 min Scan# 1445  
Delta R.T. -0.253 min  
Lab File: BF144366.D  
Acq: 26 Nov 2025 17:42

Tgt Ion:248 Resp: 4866  
Ion Ratio Lower Upper  
248 100  
250 204.3 78.4 117.6#  
141 377.3 45.1 67.7#

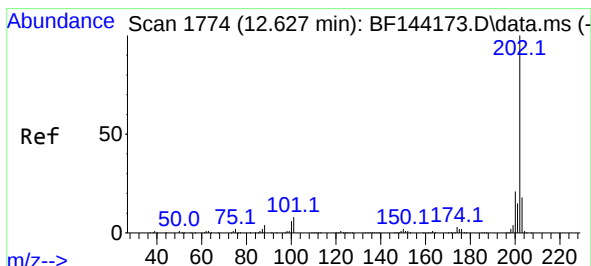
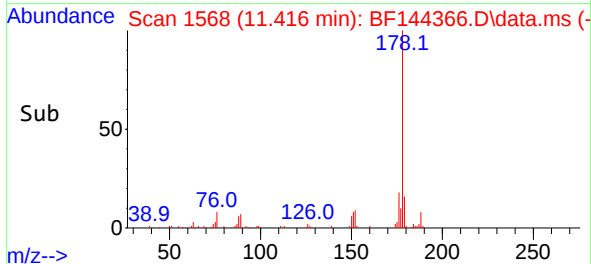
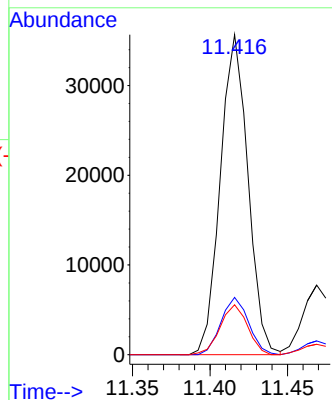
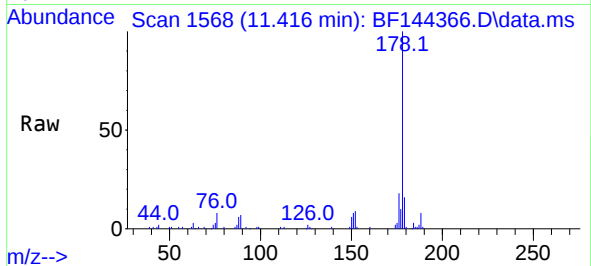




#71  
Phenanthrene  
Concen: 4.953 ng  
RT: 11.416 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF144366.D  
Acq: 26 Nov 2025 17:42

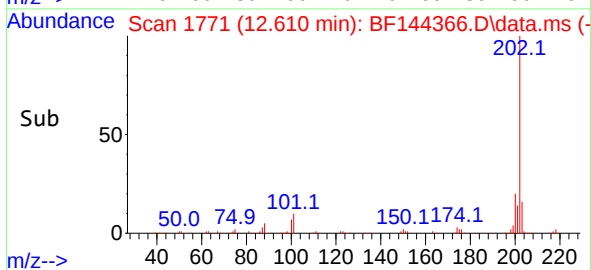
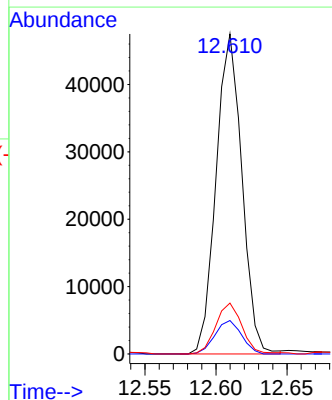
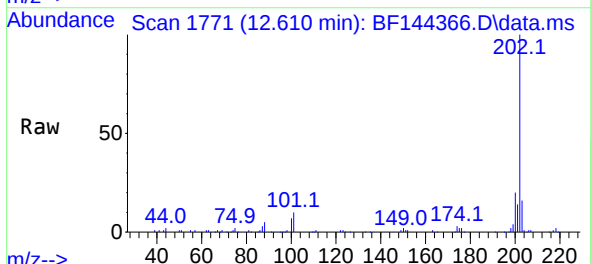
Instrument :  
BNA\_F  
ClientSampleId :  
SB-1125-11B

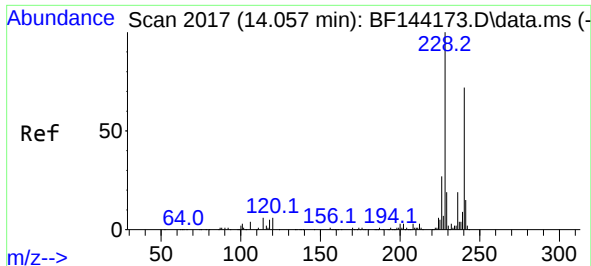
Tgt Ion:178 Resp: 44239  
Ion Ratio Lower Upper  
178 100  
176 17.9 15.5 23.3  
179 15.6 12.2 18.4



#75  
Fluoranthene  
Concen: 6.506 ng  
RT: 12.610 min Scan# 1771  
Delta R.T. -0.012 min  
Lab File: BF144366.D  
Acq: 26 Nov 2025 17:42

Tgt Ion:202 Resp: 60025  
Ion Ratio Lower Upper  
202 100  
101 10.4 0.0 27.9  
203 15.9 0.0 37.5

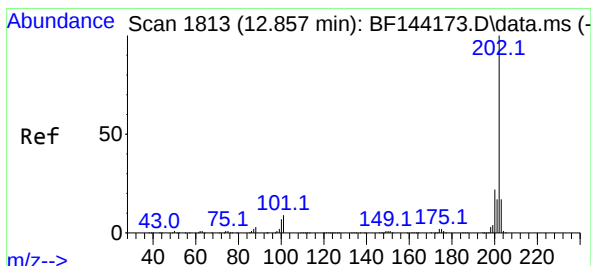
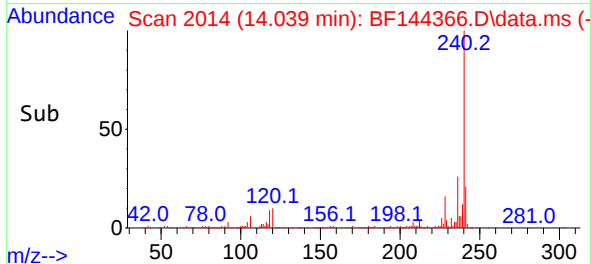
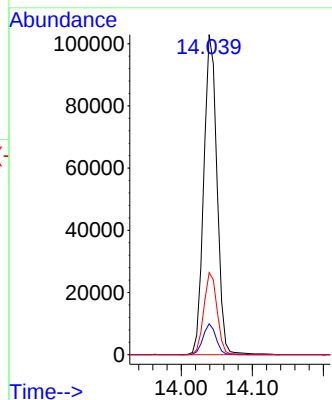
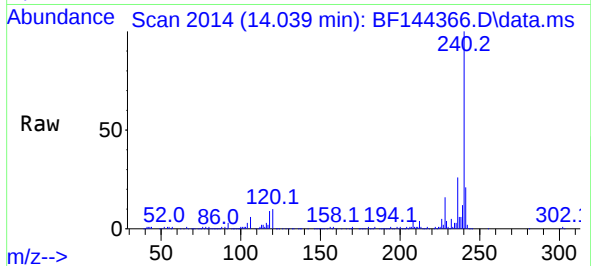




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BF144366.D  
Acq: 26 Nov 2025 17:42

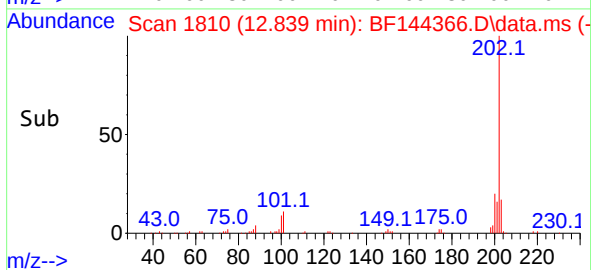
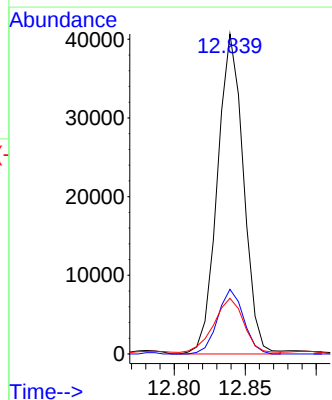
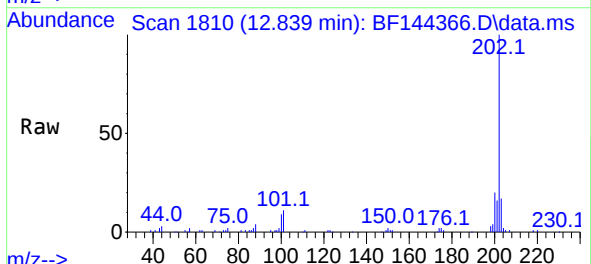
Instrument :  
BNA\_F  
ClientSampleId :  
SB-1125-11B

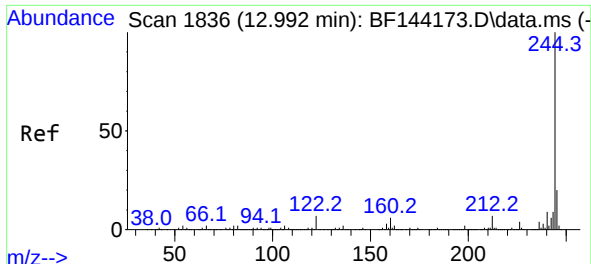
Tgt Ion:240 Resp: 133511  
Ion Ratio Lower Upper  
240 100  
120 9.7 6.6 10.0  
236 25.6 21.4 32.2



#78  
Pyrene  
Concen: 4.828 ng  
RT: 12.839 min Scan# 1810  
Delta R.T. -0.012 min  
Lab File: BF144366.D  
Acq: 26 Nov 2025 17:42

Tgt Ion:202 Resp: 51970  
Ion Ratio Lower Upper  
202 100  
200 20.2 17.2 25.8  
203 17.4 13.7 20.5

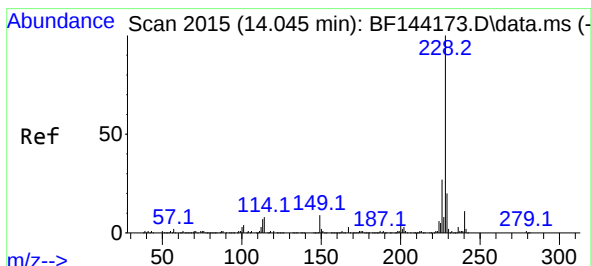
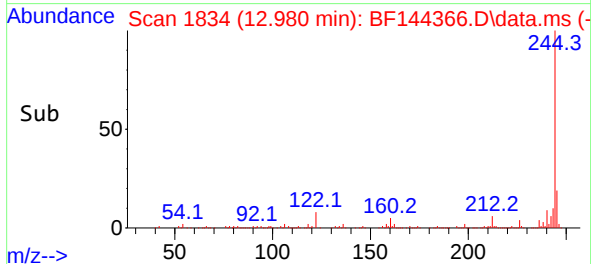
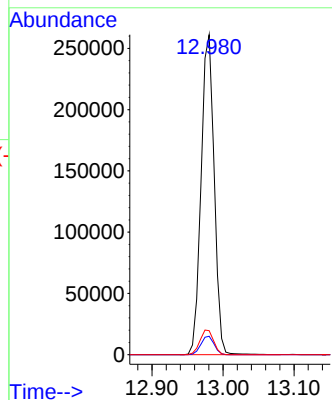
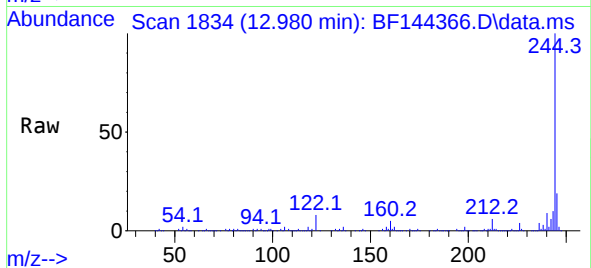




#79  
 Terphenyl-d14  
 Concen: 39.938 ng  
 RT: 12.980 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BF144366.D  
 Acq: 26 Nov 2025 17:42

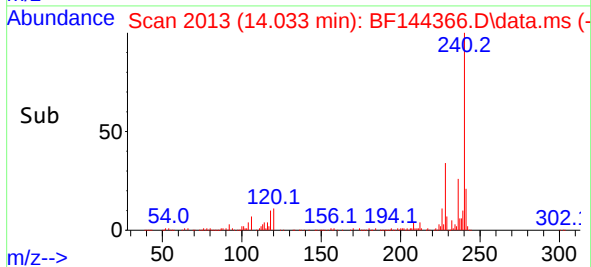
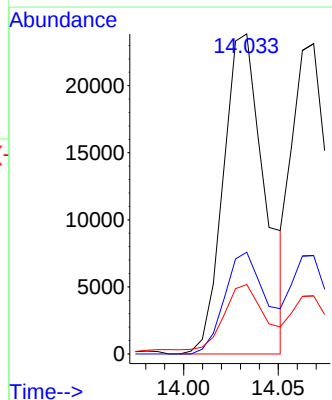
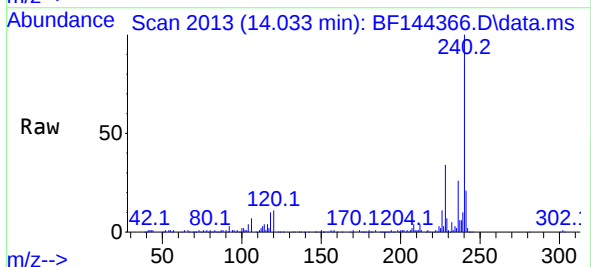
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-1125-11B

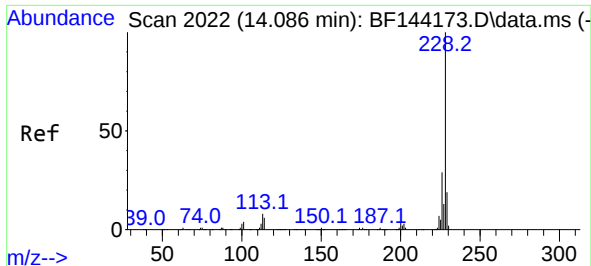
Tgt Ion:244 Resp: 335689  
 Ion Ratio Lower Upper  
 244 100  
 212 5.8 5.3 7.9  
 122 7.5 5.6 8.4



#81  
 Benzo(a)anthracene  
 Concen: 3.925 ng  
 RT: 14.033 min Scan# 2013  
 Delta R.T. -0.012 min  
 Lab File: BF144366.D  
 Acq: 26 Nov 2025 17:42

Tgt Ion:228 Resp: 36316  
 Ion Ratio Lower Upper  
 228 100  
 226 31.8 21.8 32.8  
 229 21.7 15.8 23.6

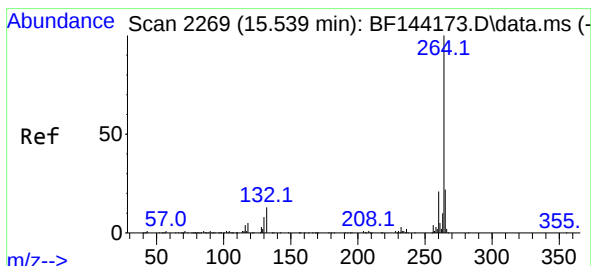
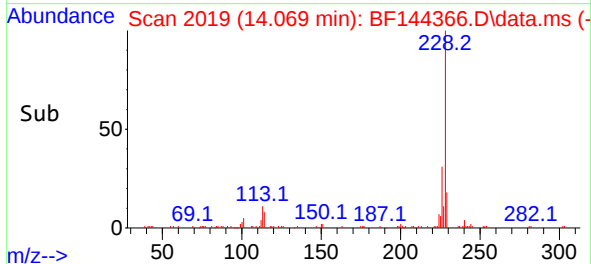
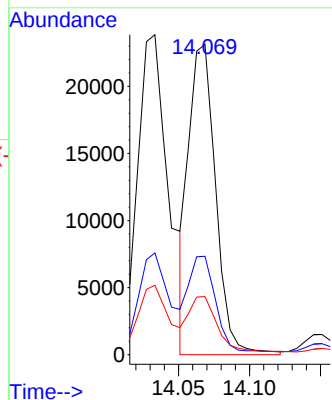
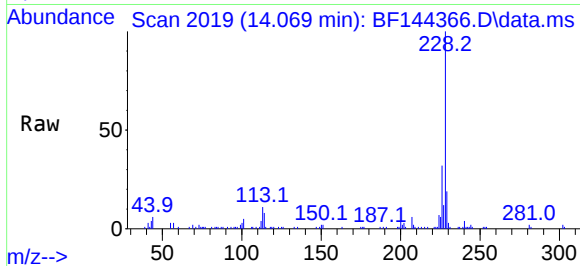




#83  
Chrysene  
Concen: 3.574 ng  
RT: 14.069 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BF144366.D  
Acq: 26 Nov 2025 17:42

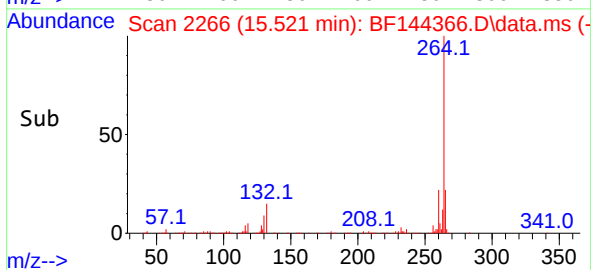
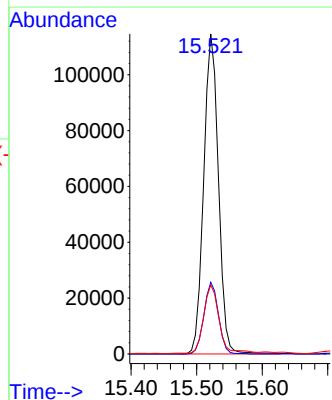
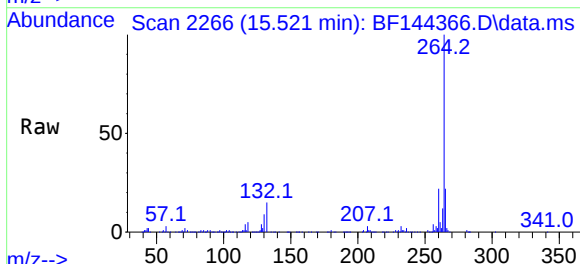
Instrument :  
BNA\_F  
ClientSampleId :  
SB-1125-11B

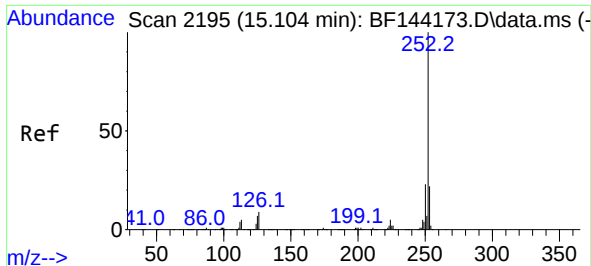
Tgt Ion:228 Resp: 30532  
Ion Ratio Lower Upper  
228 100  
226 31.7 22.9 34.3  
229 18.7 15.0 22.6



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.521 min Scan# 2266  
Delta R.T. -0.018 min  
Lab File: BF144366.D  
Acq: 26 Nov 2025 17:42

Tgt Ion:264 Resp: 179241  
Ion Ratio Lower Upper  
264 100  
260 22.4 17.1 25.7  
265 21.6 17.4 26.0

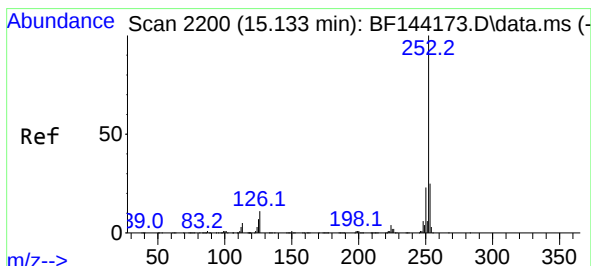
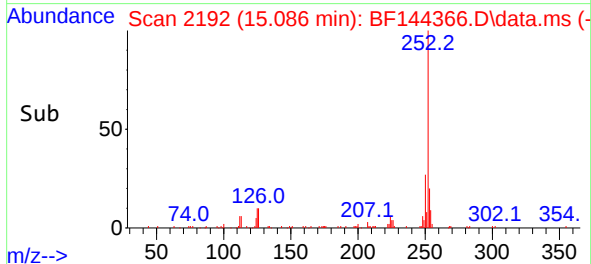
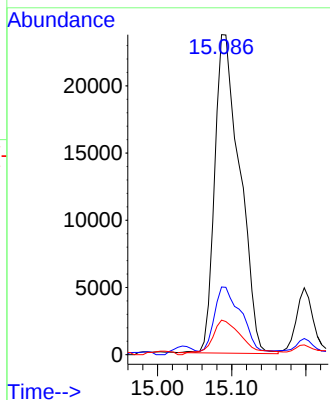
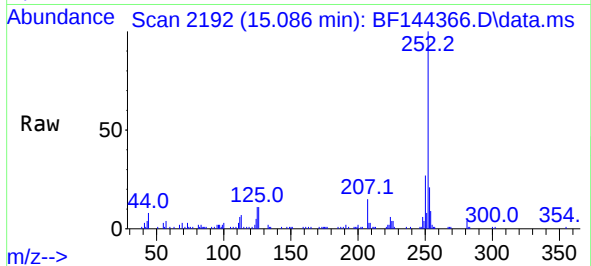




#88  
Benzo(b)fluoranthene  
Concen: 5.486 ng  
RT: 15.086 min Scan# 2192  
Delta R.T. -0.012 min  
Lab File: BF144366.D  
Acq: 26 Nov 2025 17:42

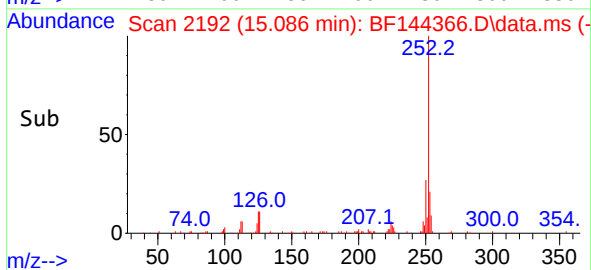
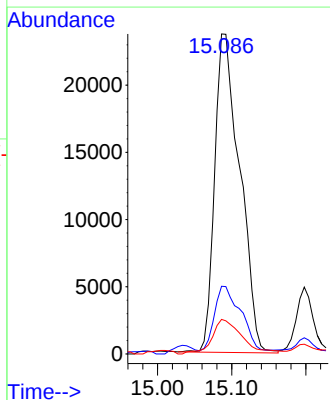
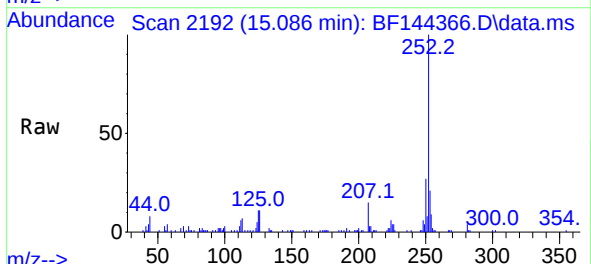
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ClientSampleId :  
SB-1125-11B

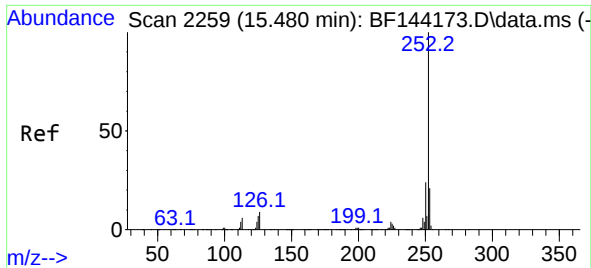
Tgt Ion:252 Resp: 55906  
Ion Ratio Lower Upper  
252 100  
253 21.2 17.4 26.2  
125 10.8 5.3 7.9#



#89  
Benzo(k)fluoranthene  
Concen: 5.861 ng  
RT: 15.086 min Scan# 2192  
Delta R.T. -0.041 min  
Lab File: BF144366.D  
Acq: 26 Nov 2025 17:42

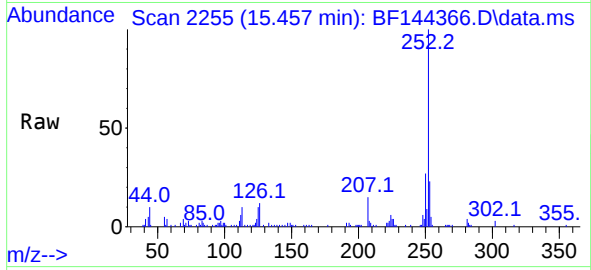
Tgt Ion:252 Resp: 55906  
Ion Ratio Lower Upper  
252 100  
253 21.2 18.0 27.0  
125 10.8 5.4 8.2#





#90  
Benzo(a)pyrene  
Concen: 3.438 ng  
RT: 15.457 min Scan# 21  
Delta R.T. -0.018 min  
Lab File: BF144366.D  
Acq: 26 Nov 2025 17:42

Instrument :  
BNA\_F  
ClientSampleId :  
SB-1125-11B



Tgt Ion:252 Resp: 32322  
Ion Ratio Lower Upper  
252 100  
253 23.4 16.7 25.1  
125 9.6 5.7 8.5#

