

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102925\  
 Data File : BF144126.D  
 Acq On : 29 Oct 2025 14:03  
 Operator : RC/JU  
 Sample : Q3419-04  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PR132-S16-119133-20251021

Quant Time: Oct 29 14:23:03 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 24 17:30:25 2025  
 Response via : Initial Calibration

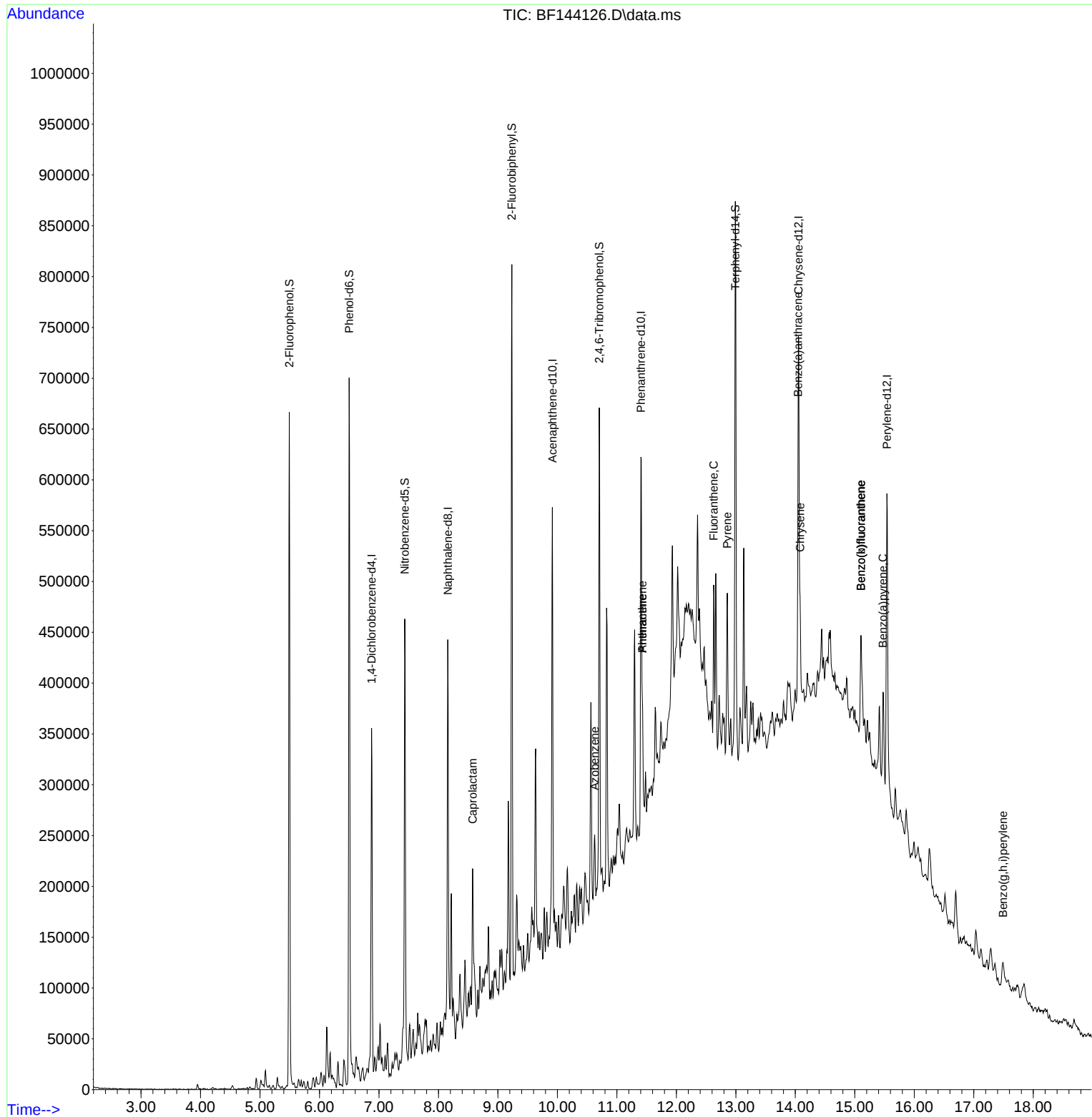
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.875  | 152  | 62325    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.157  | 136  | 236347   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.916  | 164  | 128098   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.404 | 188  | 203077   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 14.057 | 240  | 156913   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.539 | 264  | 200959   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.493  | 112  | 245211   | 62.246 | ng    | 0.00     |
| 7) Phenol-d6                | 6.498  | 99   | 294369   | 67.662 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.434  | 82   | 182008   | 42.191 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.704 | 330  | 98186    | 60.173 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.233  | 172  | 329315   | 36.177 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.992 | 244  | 285704   | 31.831 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 35) Caprolactam             | 8.575  | 113  | 3933     | 4.180  | ng    | # 1      |
| 63) Azobenzene              | 10.628 | 77   | 15901    | 2.128  | ng    | # 1      |
| 71) Phenanthrene            | 11.427 | 178  | 65757    | 6.518  | ng    | 98       |
| 72) Anthracene              | 11.427 | 178  | 65757    | 6.310  | ng    | 97       |
| 75) Fluoranthene            | 12.627 | 202  | 89604    | 8.040  | ng    | 96       |
| 78) Pyrene                  | 12.857 | 202  | 96873    | 8.587  | ng    | 98       |
| 81) Benzo(a)anthracene      | 14.045 | 228  | 64118    | 6.046  | ng    | # 81     |
| 83) Chrysene                | 14.080 | 228  | 57336    | 5.762  | ng    | # 86     |
| 88) Benzo(b)fluoranthene    | 15.104 | 252  | 82074    | 7.224  | ng    | # 85     |
| 89) Benzo(k)fluoranthene    | 15.104 | 252  | 82074    | 7.830  | ng    | # 86     |
| 90) Benzo(a)pyrene          | 15.474 | 252  | 60867    | 5.972  | ng    | # 93     |
| 92) Benzo(g,h,i)perylene    | 17.492 | 276  | 22739    | 2.071  | ng    | # 92     |
| -----                       |        |      |          |        |       |          |

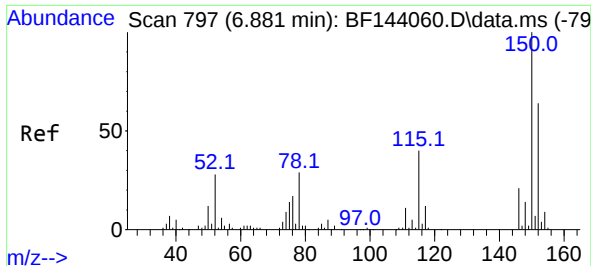
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102925\  
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ALS Vial : 7 Sample Multiplier: 1

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BNA\_F  
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PR132-S16-119133-20251021

Quant Time: Oct 29 14:23:03 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 24 17:30:25 2025  
Response via : Initial Calibration

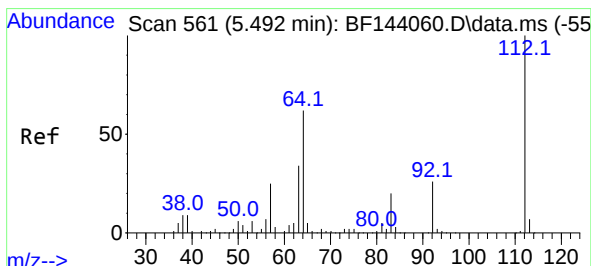
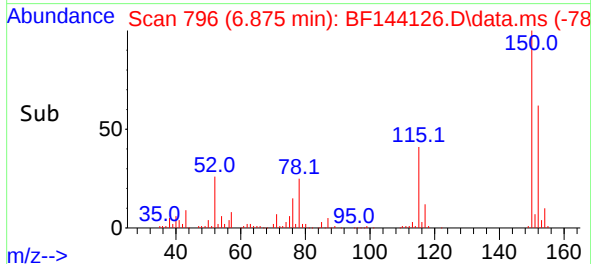
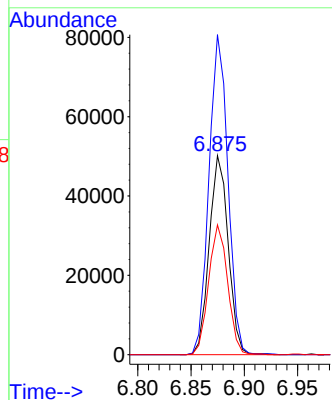
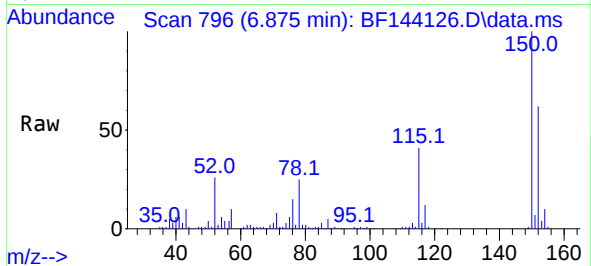




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 797  
Delta R.T. -0.006 min  
Lab File: BF144126.D  
Acq: 29 Oct 2025 14:03

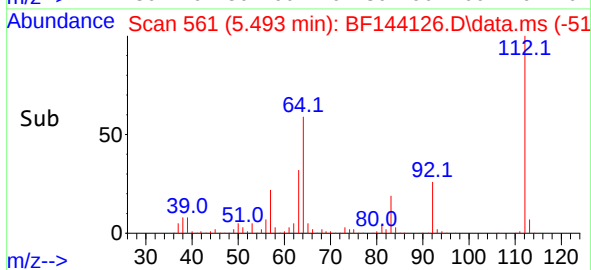
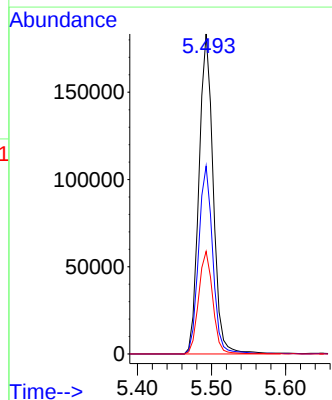
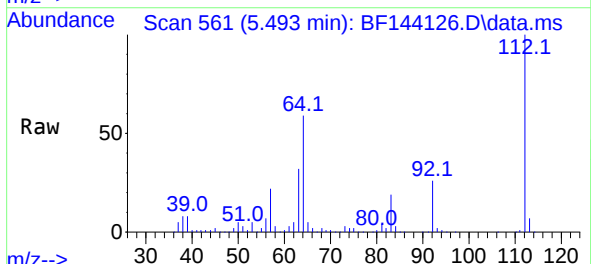
Instrument :  
BNA\_F  
ClientSampleId :  
PR132-S16-119133-20251021

Tgt Ion:152 Resp: 62325  
Ion Ratio Lower Upper  
152 100  
150 160.8 124.4 186.6  
115 65.2 49.4 74.0



#5  
2-Fluorophenol  
Concen: 62.246 ng  
RT: 5.493 min Scan# 561  
Delta R.T. 0.000 min  
Lab File: BF144126.D  
Acq: 29 Oct 2025 14:03

Tgt Ion:112 Resp: 245211  
Ion Ratio Lower Upper  
112 100  
64 58.7 49.8 74.8  
63 32.1 27.4 41.2



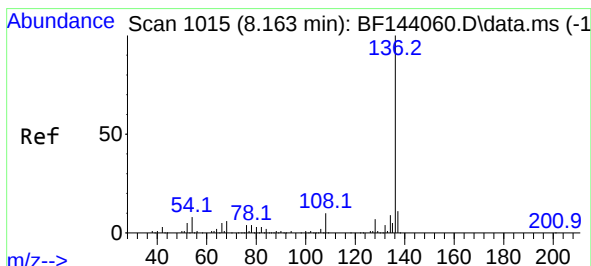
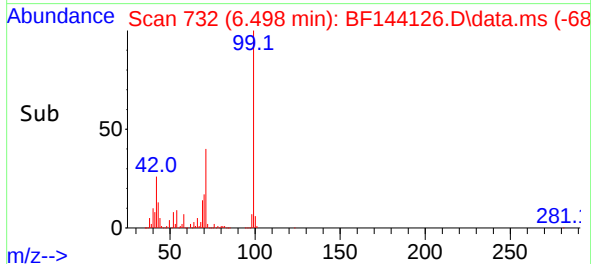
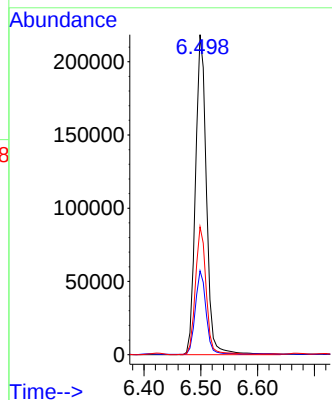
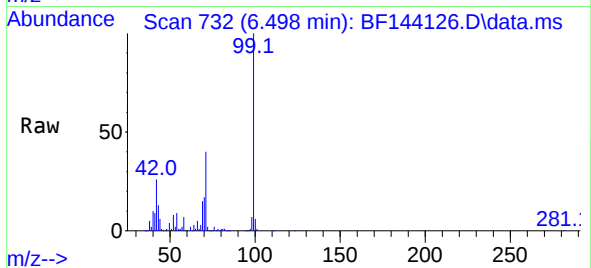


#7  
Phenol-d6  
Concen: 67.662 ng  
RT: 6.498 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF144126.D  
Acq: 29 Oct 2025 14:03

Instrument :  
BNA\_F  
ClientSampleId :  
PR132-S16-119133-20251021

Tgt Ion: 99 Resp: 294369

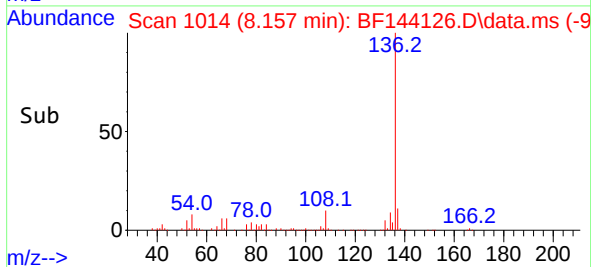
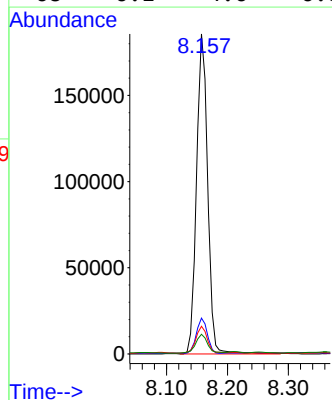
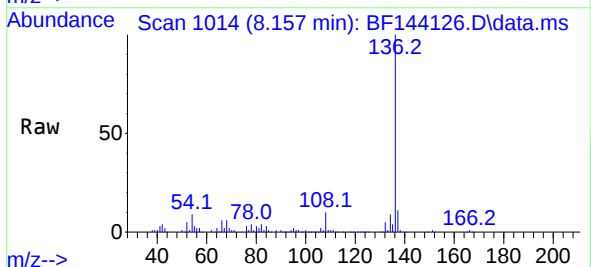
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 26.2  | 23.9  | 35.9  |
| 71  | 39.9  | 34.4  | 51.6  |

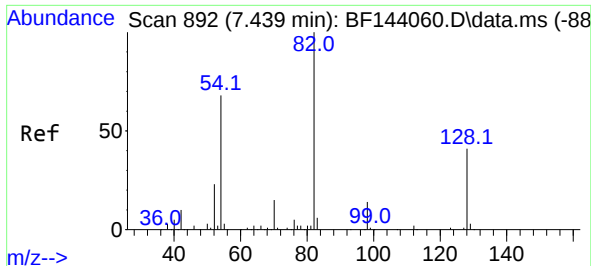


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1014  
Delta R.T. -0.006 min  
Lab File: BF144126.D  
Acq: 29 Oct 2025 14:03

Tgt Ion: 136 Resp: 236347

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 8.6   | 13.0  |
| 54  | 8.6   | 6.6   | 9.8   |
| 68  | 6.1   | 4.6   | 6.8   |

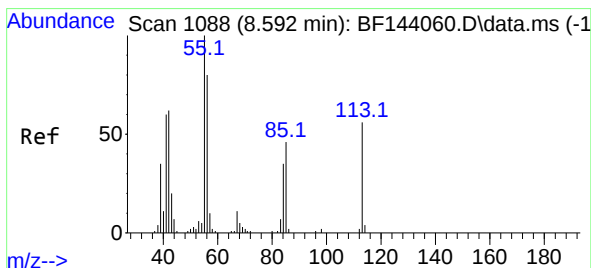
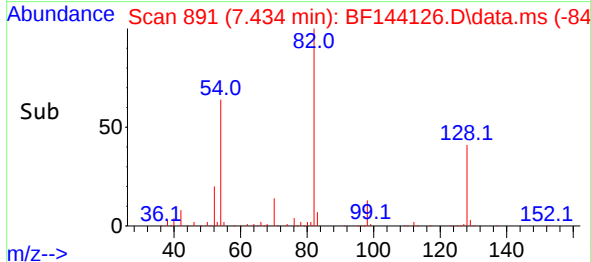
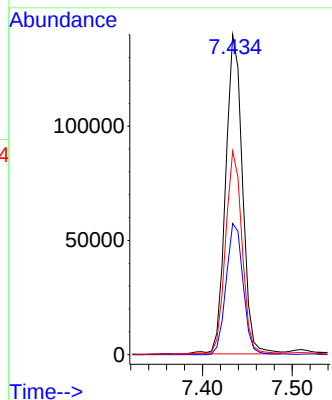
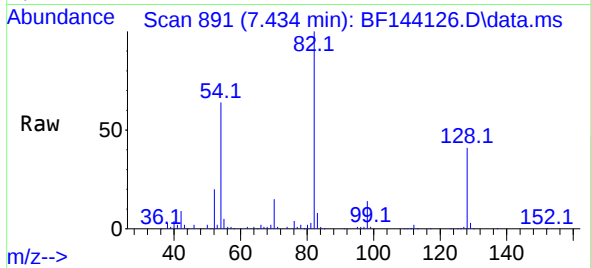




#23  
Nitrobenzene-d5  
Concen: 42.191 ng  
RT: 7.434 min Scan# 891  
Delta R.T. -0.006 min  
Lab File: BF144126.D  
Acq: 29 Oct 2025 14:03

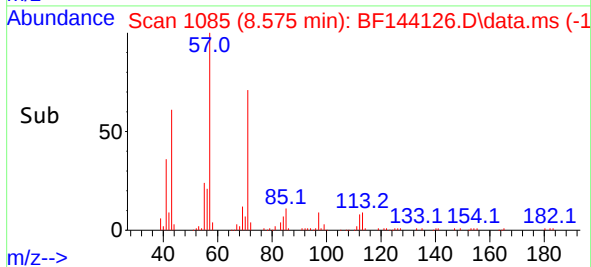
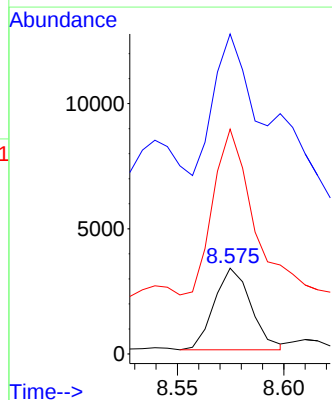
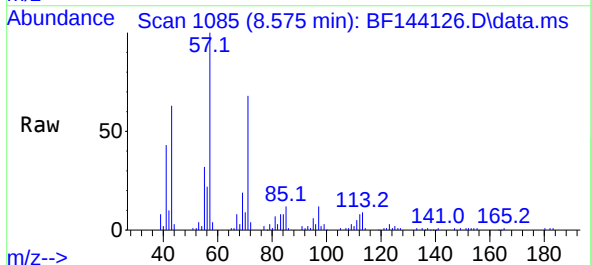
Instrument :  
BNA\_F  
ClientSampleId :  
PR132-S16-119133-20251021

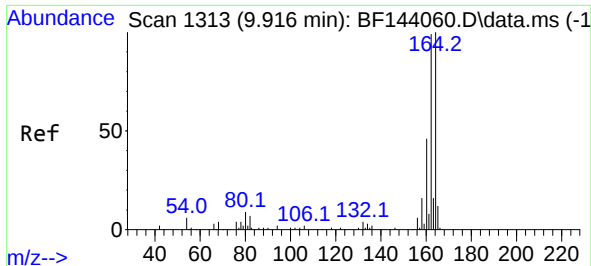
Tgt Ion: 82 Resp: 182008  
Ion Ratio Lower Upper  
82 100  
128 41.0 32.4 48.6  
54 63.6 54.0 81.0



#35  
Caprolactam  
Concen: 4.180 ng  
RT: 8.575 min Scan# 1085  
Delta R.T. -0.018 min  
Lab File: BF144126.D  
Acq: 29 Oct 2025 14:03

Tgt Ion: 113 Resp: 3933  
Ion Ratio Lower Upper  
113 100  
55 373.1 160.1 200.1#  
56 262.1 124.9 164.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF144126.D

Acq: 29 Oct 2025 14:03

Instrument :

BNA\_F

ClientSampleId :

PR132-S16-119133-20251021

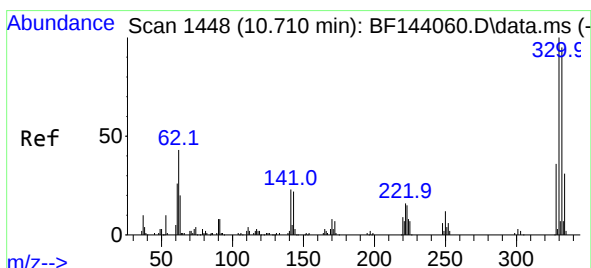
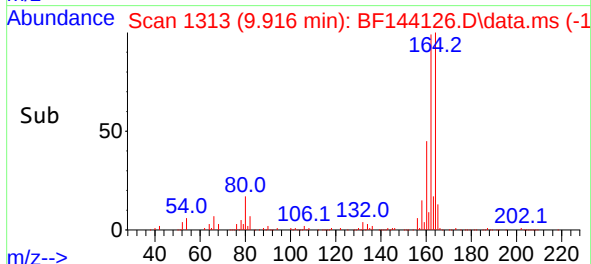
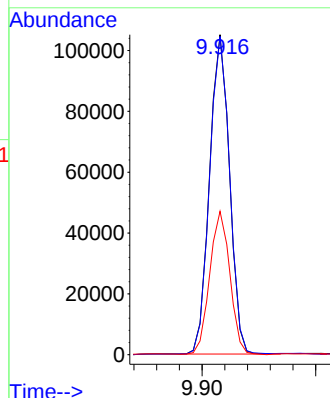
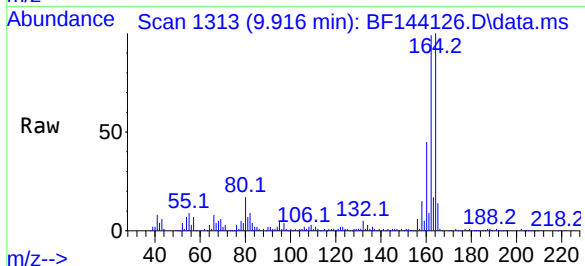
Tgt Ion:164 Resp: 128098

Ion Ratio Lower Upper

164 100

162 99.5 79.4 119.2

160 44.8 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 60.173 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.006 min

Lab File: BF144126.D

Acq: 29 Oct 2025 14:03

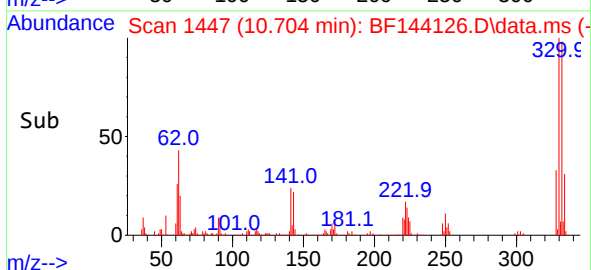
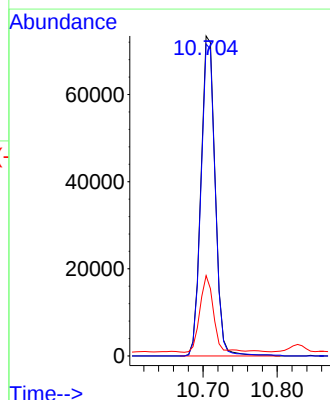
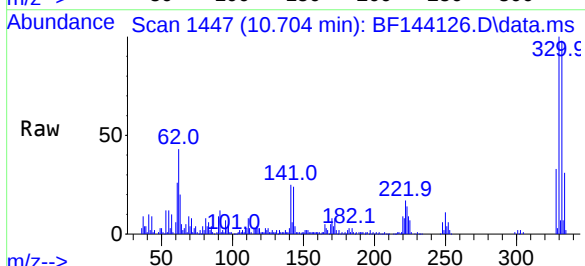
Tgt Ion:330 Resp: 98186

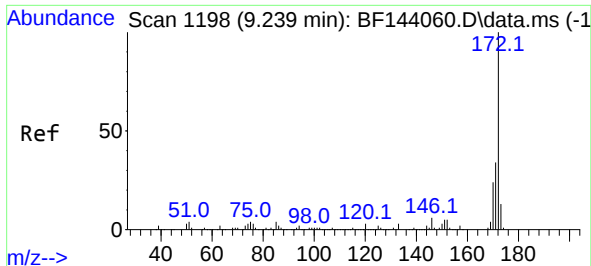
Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

141 22.4 19.4 29.0

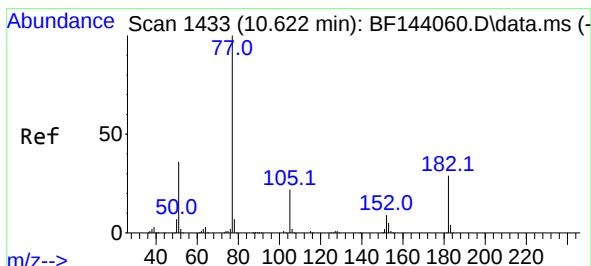
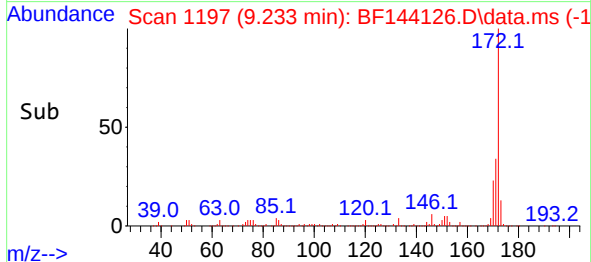
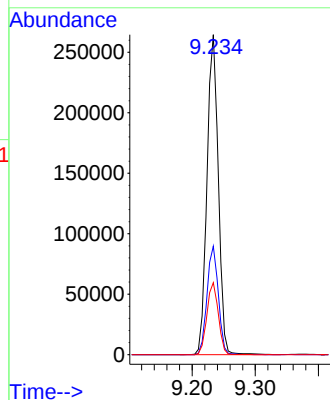
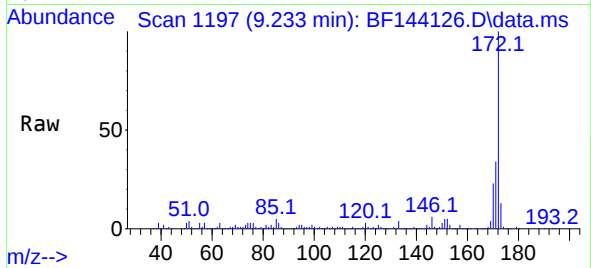




#45  
2-Fluorobiphenyl  
Concen: 36.177 ng  
RT: 9.233 min Scan# 1198  
Delta R.T. -0.006 min  
Lab File: BF144126.D  
Acq: 29 Oct 2025 14:03

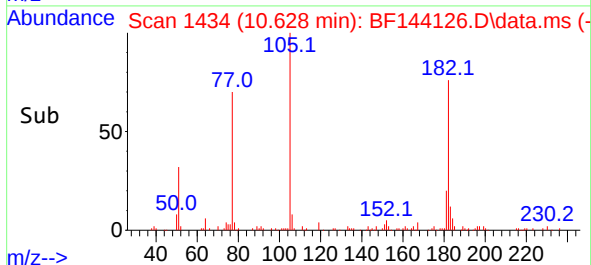
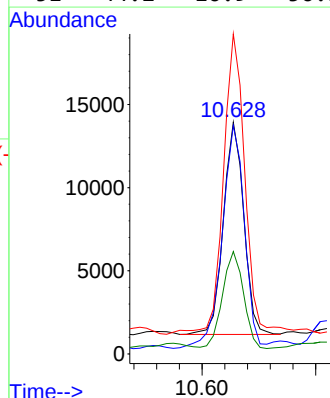
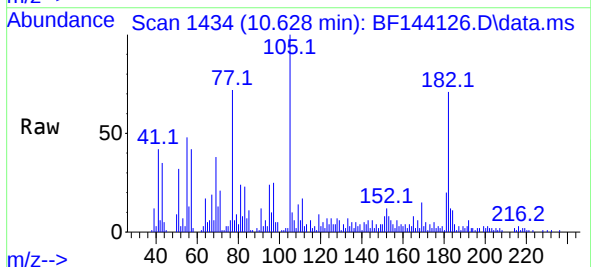
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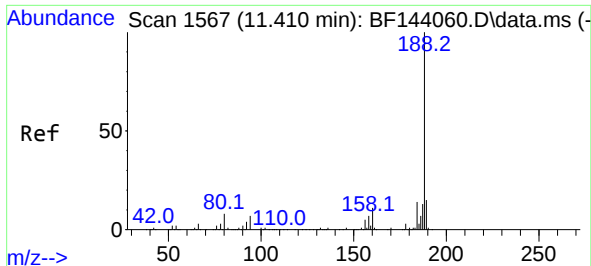
Tgt Ion:172 Resp: 329315  
Ion Ratio Lower Upper  
172 100  
171 33.9 27.5 41.3  
170 22.5 19.0 28.6



#63  
Azobenzene  
Concen: 2.128 ng  
RT: 10.628 min Scan# 1434  
Delta R.T. 0.006 min  
Lab File: BF144126.D  
Acq: 29 Oct 2025 14:03

Tgt Ion: 77 Resp: 15901  
Ion Ratio Lower Upper  
77 100  
182 98.6 9.0 49.0#  
105 138.1 1.4 41.4#  
51 44.2 16.9 56.9

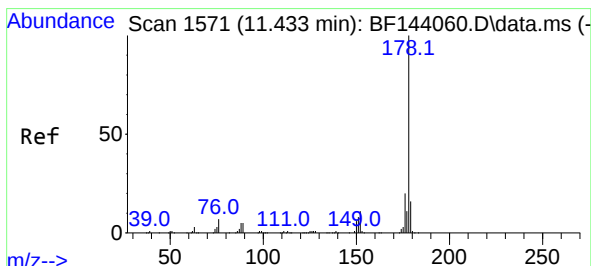
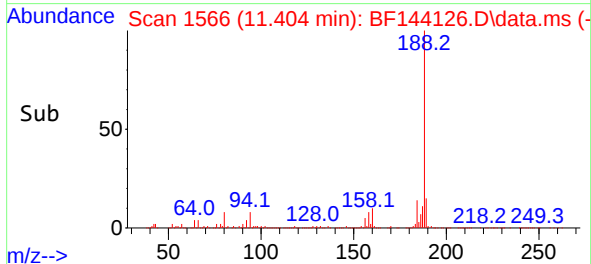
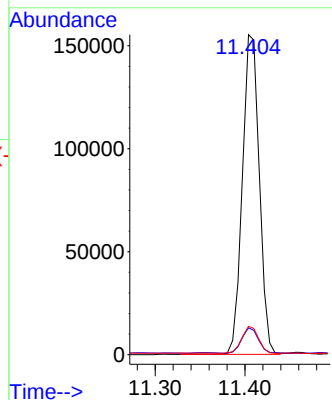
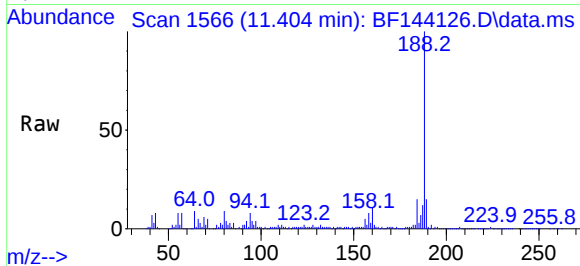




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF144126.D  
Acq: 29 Oct 2025 14:03

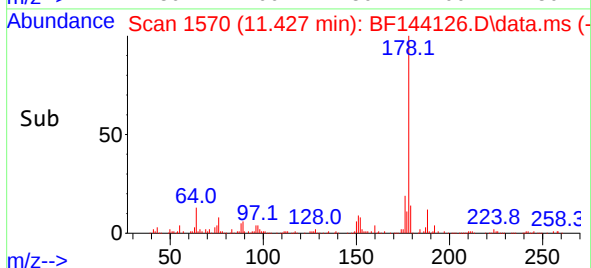
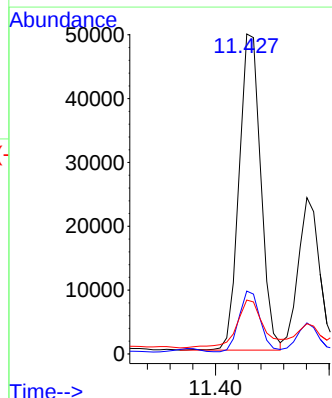
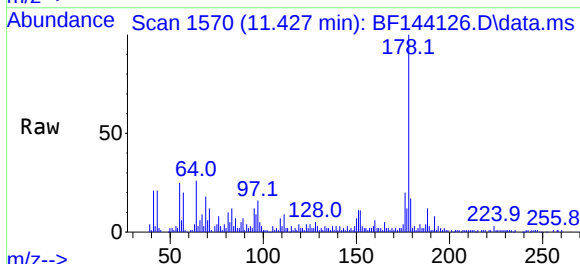
Instrument :  
BNA\_F  
ClientSampleId :  
PR132-S16-119133-20251021

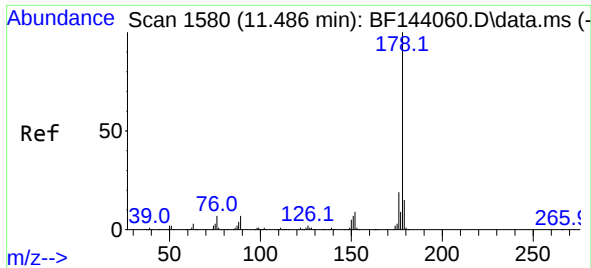
Tgt Ion:188 Resp: 203077  
Ion Ratio Lower Upper  
188 100  
94 8.4 5.4 8.0#  
80 8.9 6.0 9.0



#71  
Phenanthrene  
Concen: 6.518 ng  
RT: 11.427 min Scan# 1570  
Delta R.T. -0.006 min  
Lab File: BF144126.D  
Acq: 29 Oct 2025 14:03

Tgt Ion:178 Resp: 65757  
Ion Ratio Lower Upper  
178 100  
176 19.7 16.3 24.5  
179 16.8 12.6 18.8

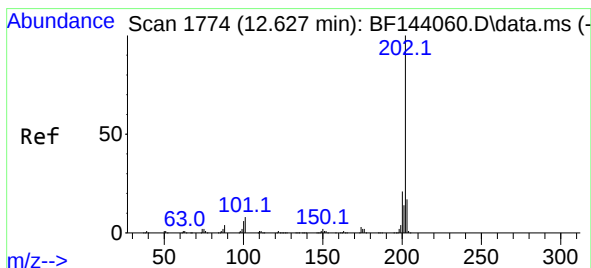
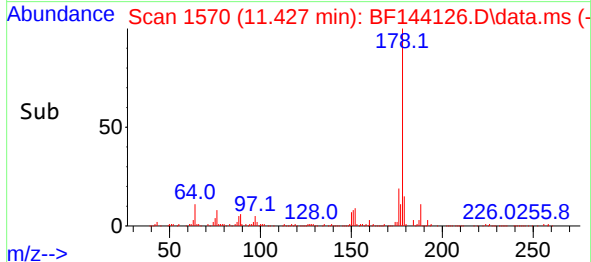
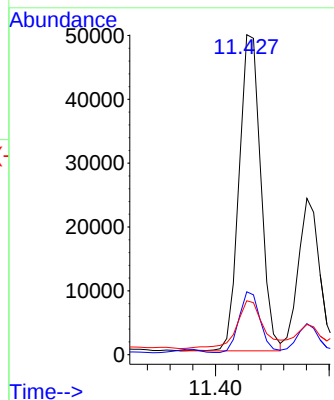
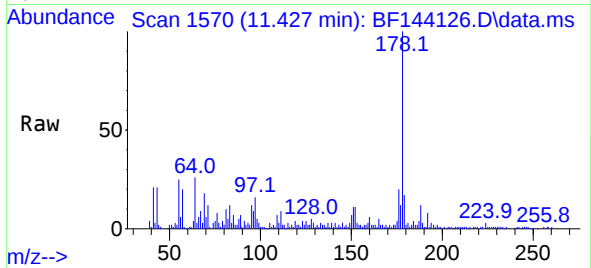




#72  
Anthracene  
Concen: 6.310 ng  
RT: 11.427 min Scan# 11427  
Delta R.T. -0.059 min  
Lab File: BF144126.D  
Acq: 29 Oct 2025 14:03

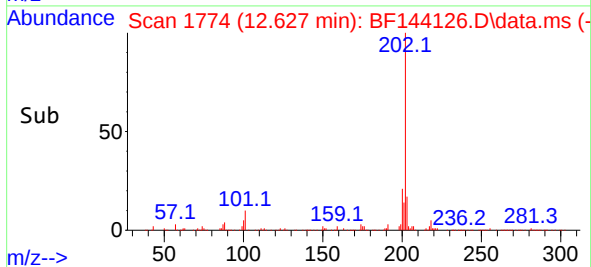
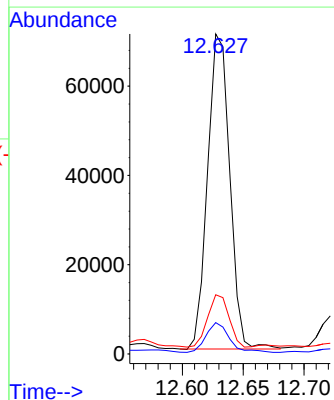
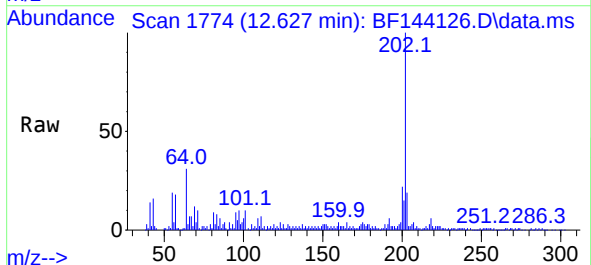
Instrument :  
BNA\_F  
ClientSampleId :  
PR132-S16-119133-20251021

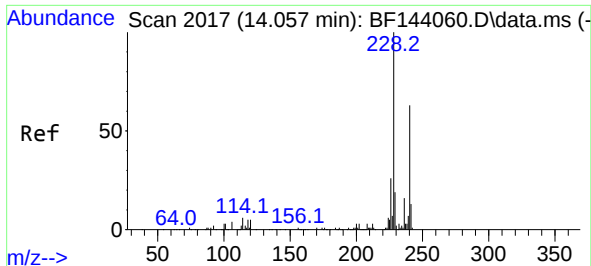
Tgt Ion:178 Resp: 65757  
Ion Ratio Lower Upper  
178 100  
176 19.7 15.0 22.4  
179 16.8 11.8 17.6



#75  
Fluoranthene  
Concen: 8.040 ng  
RT: 12.627 min Scan# 1774  
Delta R.T. 0.000 min  
Lab File: BF144126.D  
Acq: 29 Oct 2025 14:03

Tgt Ion:202 Resp: 89604  
Ion Ratio Lower Upper  
202 100  
101 9.8 0.0 27.7  
203 18.5 0.0 37.3

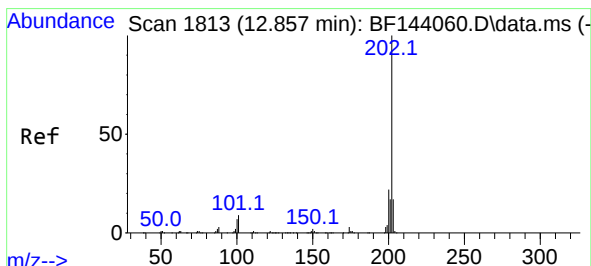
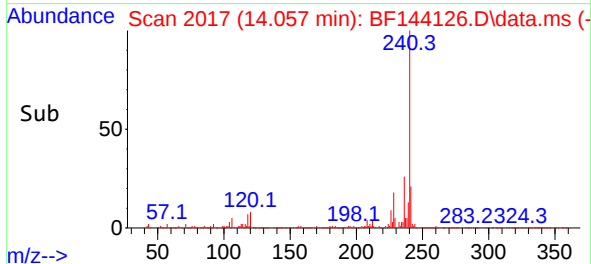
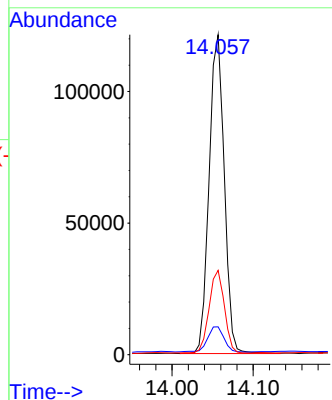
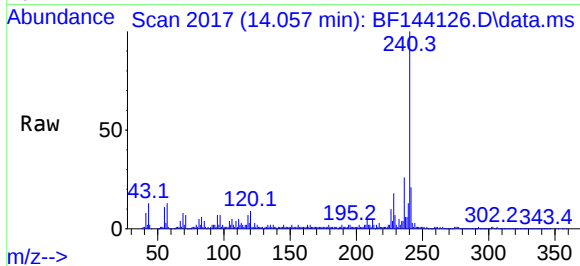




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.057 min Scan# 2017  
Delta R.T. 0.000 min  
Lab File: BF144126.D  
Acq: 29 Oct 2025 14:03

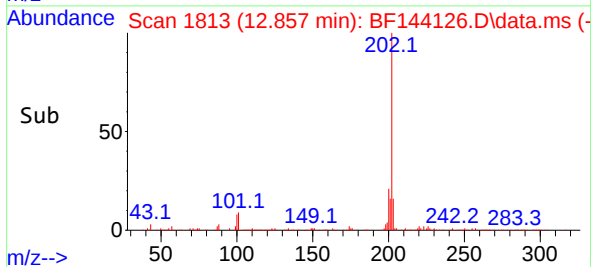
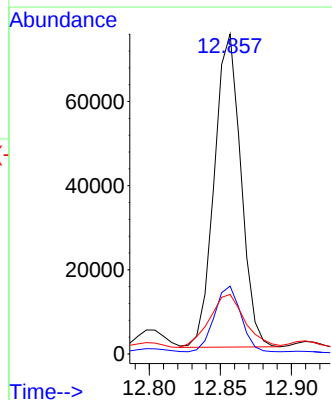
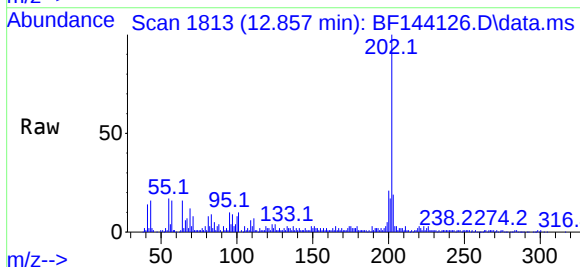
Instrument :  
BNA\_F  
ClientSampleId :  
PR132-S16-119133-20251021

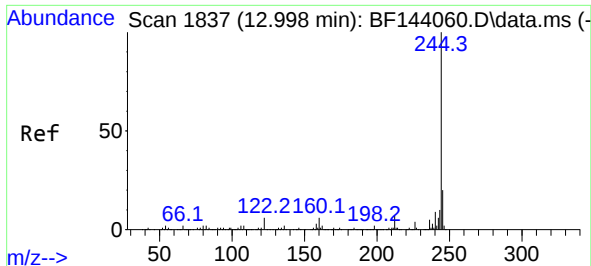
Tgt Ion:240 Resp: 156913  
Ion Ratio Lower Upper  
240 100  
120 8.7 6.5 9.7  
236 26.4 20.1 30.1



#78  
Pyrene  
Concen: 8.587 ng  
RT: 12.857 min Scan# 1813  
Delta R.T. 0.000 min  
Lab File: BF144126.D  
Acq: 29 Oct 2025 14:03

Tgt Ion:202 Resp: 96873  
Ion Ratio Lower Upper  
202 100  
200 21.2 17.2 25.8  
203 18.6 13.5 20.3

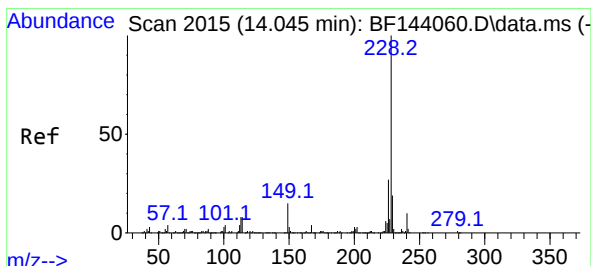
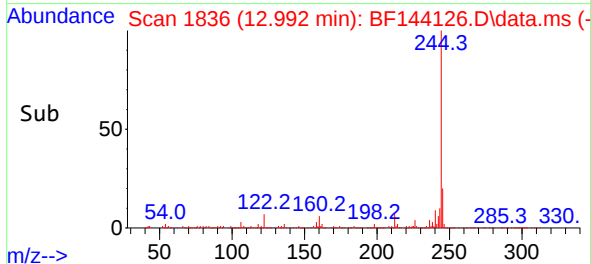
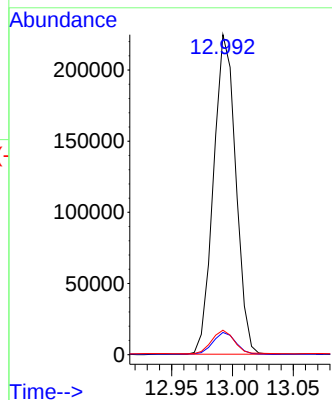
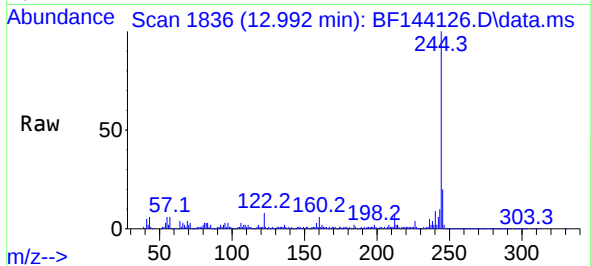




#79  
 Terphenyl-d14  
 Concen: 31.831 ng  
 RT: 12.992 min Scan# 1836  
 Delta R.T. -0.006 min  
 Lab File: BF144126.D  
 Acq: 29 Oct 2025 14:03

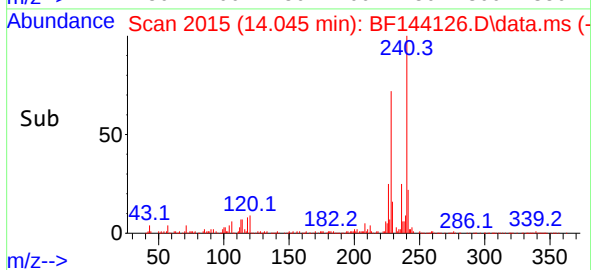
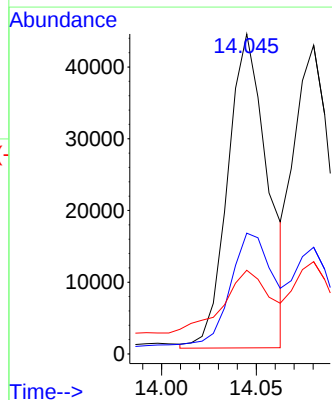
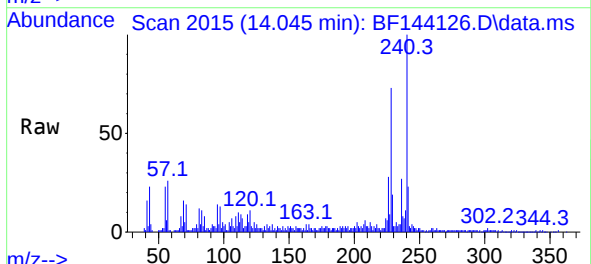
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PR132-S16-119133-20251021

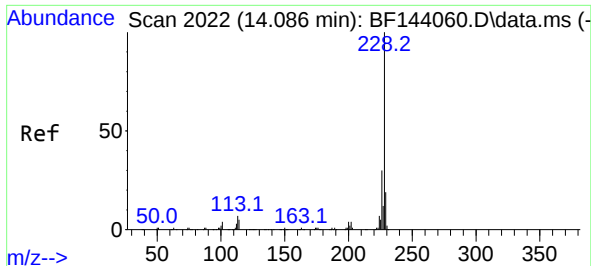
Tgt Ion:244 Resp: 285704  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.8 8.6  
 122 7.7 4.9 7.3#



#81  
 Benzo(a)anthracene  
 Concen: 6.046 ng  
 RT: 14.045 min Scan# 2015  
 Delta R.T. 0.000 min  
 Lab File: BF144126.D  
 Acq: 29 Oct 2025 14:03

Tgt Ion:228 Resp: 64118  
 Ion Ratio Lower Upper  
 228 100  
 226 37.8 21.4 32.2#  
 229 26.2 15.3 22.9#

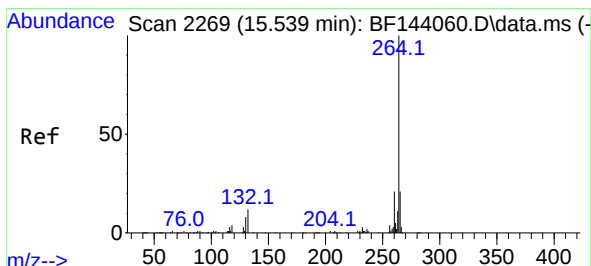
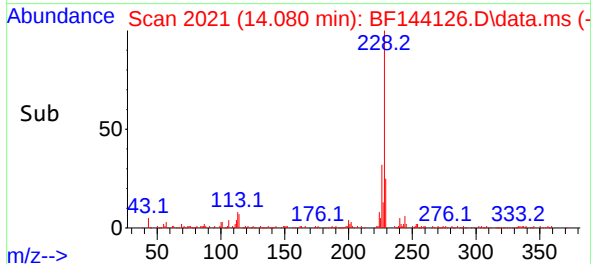
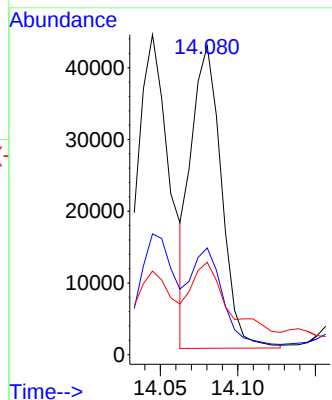
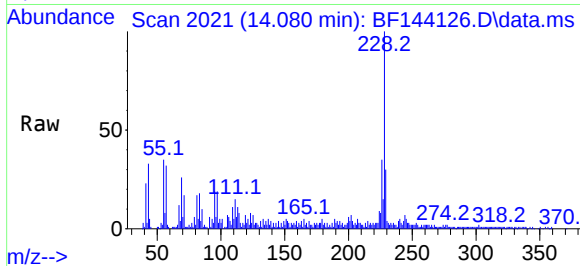




#83  
Chrysene  
Concen: 5.762 ng  
RT: 14.080 min Scan# 2022  
Delta R.T. -0.006 min  
Lab File: BF144126.D  
Acq: 29 Oct 2025 14:03

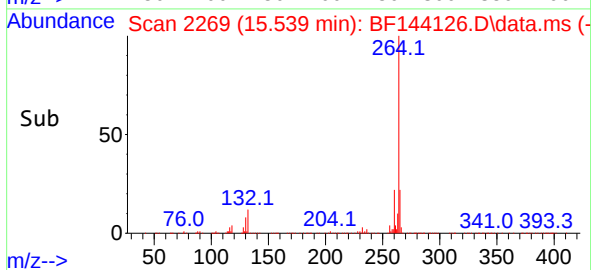
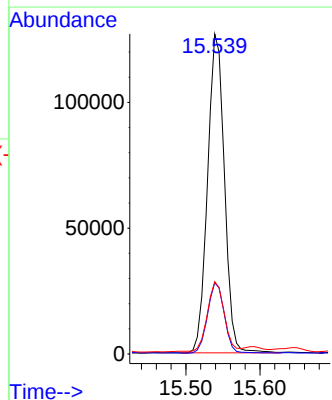
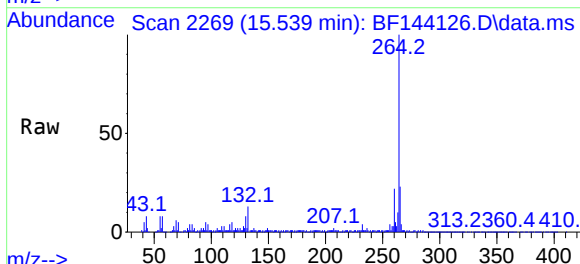
Instrument : BNA\_F  
ClientSampleId : PR132-S16-119133-20251021

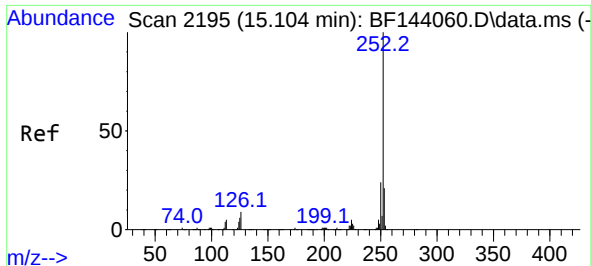
|             |                |
|-------------|----------------|
| Tgt Ion:228 | Resp: 57336    |
| Ion Ratio   | Lower Upper    |
| 228         | 100            |
| 226         | 34.5 23.8 35.6 |
| 229         | 29.9 15.6 23.4 |



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.539 min Scan# 2269  
Delta R.T. 0.000 min  
Lab File: BF144126.D  
Acq: 29 Oct 2025 14:03

|             |                |
|-------------|----------------|
| Tgt Ion:264 | Resp: 200959   |
| Ion Ratio   | Lower Upper    |
| 264         | 100            |
| 260         | 22.3 17.0 25.4 |
| 265         | 22.6 16.6 24.8 |

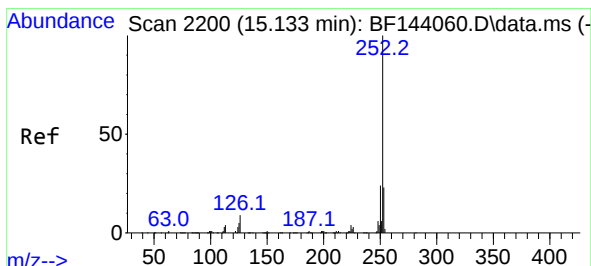
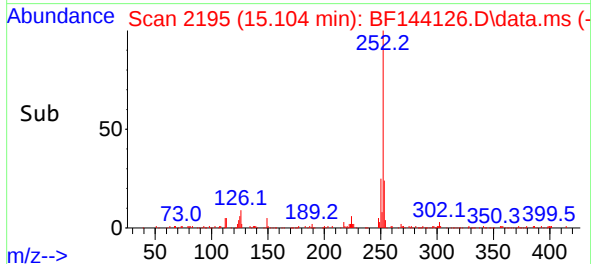
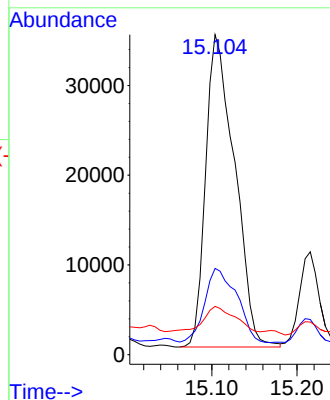
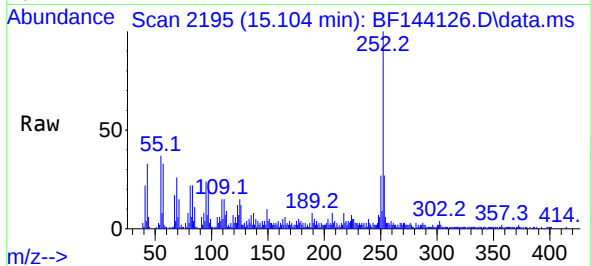




#88  
Benzo(b)fluoranthene  
Concen: 7.224 ng  
RT: 15.104 min Scan# 2195  
Delta R.T. 0.000 min  
Lab File: BF144126.D  
Acq: 29 Oct 2025 14:03

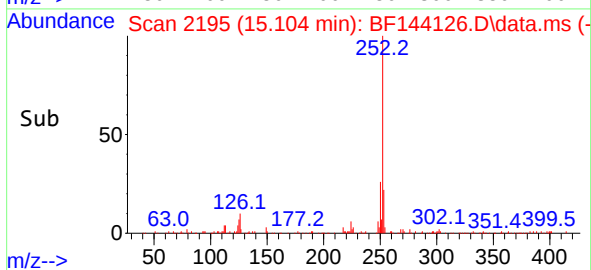
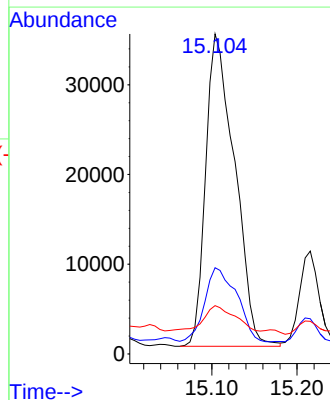
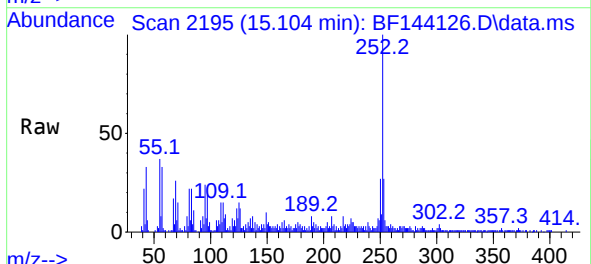
Instrument :  
BNA\_F  
ClientSampleId :  
PR132-S16-119133-20251021

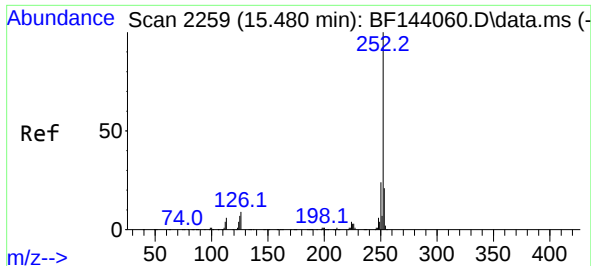
Tgt Ion:252 Resp: 82074  
Ion Ratio Lower Upper  
252 100  
253 26.9 17.2 25.8#  
125 15.1 5.0 7.6#



#89  
Benzo(k)fluoranthene  
Concen: 7.830 ng  
RT: 15.104 min Scan# 2195  
Delta R.T. -0.029 min  
Lab File: BF144126.D  
Acq: 29 Oct 2025 14:03

Tgt Ion:252 Resp: 82074  
Ion Ratio Lower Upper  
252 100  
253 26.9 17.4 26.2#  
125 15.1 4.9 7.3#

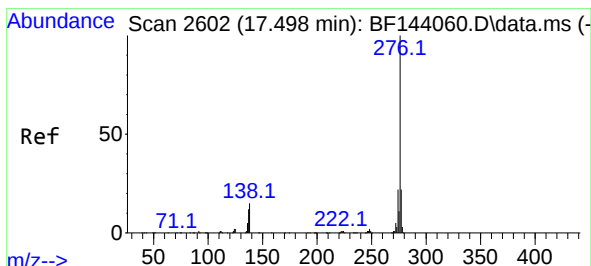
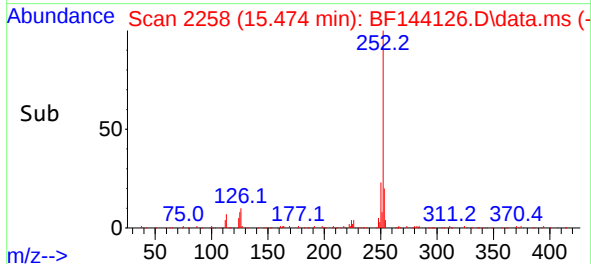
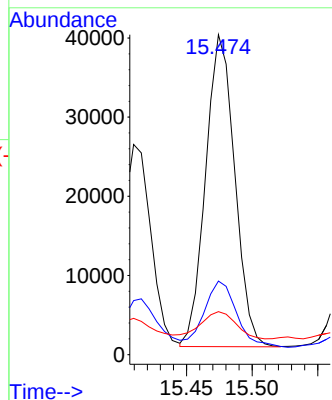
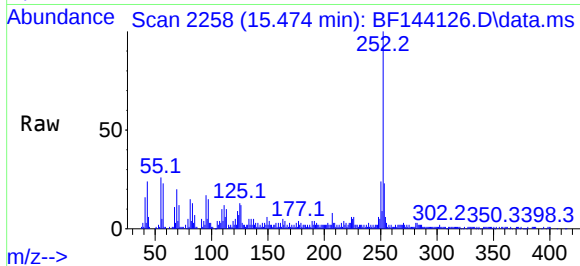




#90  
Benzo(a)pyrene  
Concen: 5.972 ng  
RT: 15.474 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF144126.D  
Acq: 29 Oct 2025 14:03

Instrument :  
BNA\_F  
ClientSampleId :  
PR132-S16-119133-20251021

Tgt Ion:252 Resp: 60867  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.1 25.7  
125 13.4 5.4 8.2#



#92  
Benzo(g,h,i)perylene  
Concen: 2.071 ng  
RT: 17.492 min Scan# 2601  
Delta R.T. -0.006 min  
Lab File: BF144126.D  
Acq: 29 Oct 2025 14:03

Tgt Ion:276 Resp: 22739  
Ion Ratio Lower Upper  
276 100  
277 26.1 17.9 26.9  
138 18.8 12.0 18.0#

