

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060625\  
 Data File : BF142652.D  
 Acq On : 06 Jun 2025 18:01  
 Operator : RC/JU  
 Sample : Q2177-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-187-SB02

Quant Time: Jun 06 22:56:13 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 20 16:26:47 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.892  | 152  | 127118   | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.175  | 136  | 464348   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.933  | 164  | 242206   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.422 | 188  | 341702   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12            | 14.063 | 240  | 233121   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 15.562 | 264  | 281873   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.510  | 112  | 567965   | 75.275 | ng    | 0.00     |
| 7) Phenol-d6                | 6.516  | 99   | 709724   | 78.141 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.451  | 82   | 418235   | 49.114 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.722 | 330  | 192758   | 71.706 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.251  | 172  | 851469   | 47.173 | ng    | -0.02    |
| 79) Terphenyl-d14           | 13.010 | 244  | 546241   | 32.020 | ng    | 0.00     |

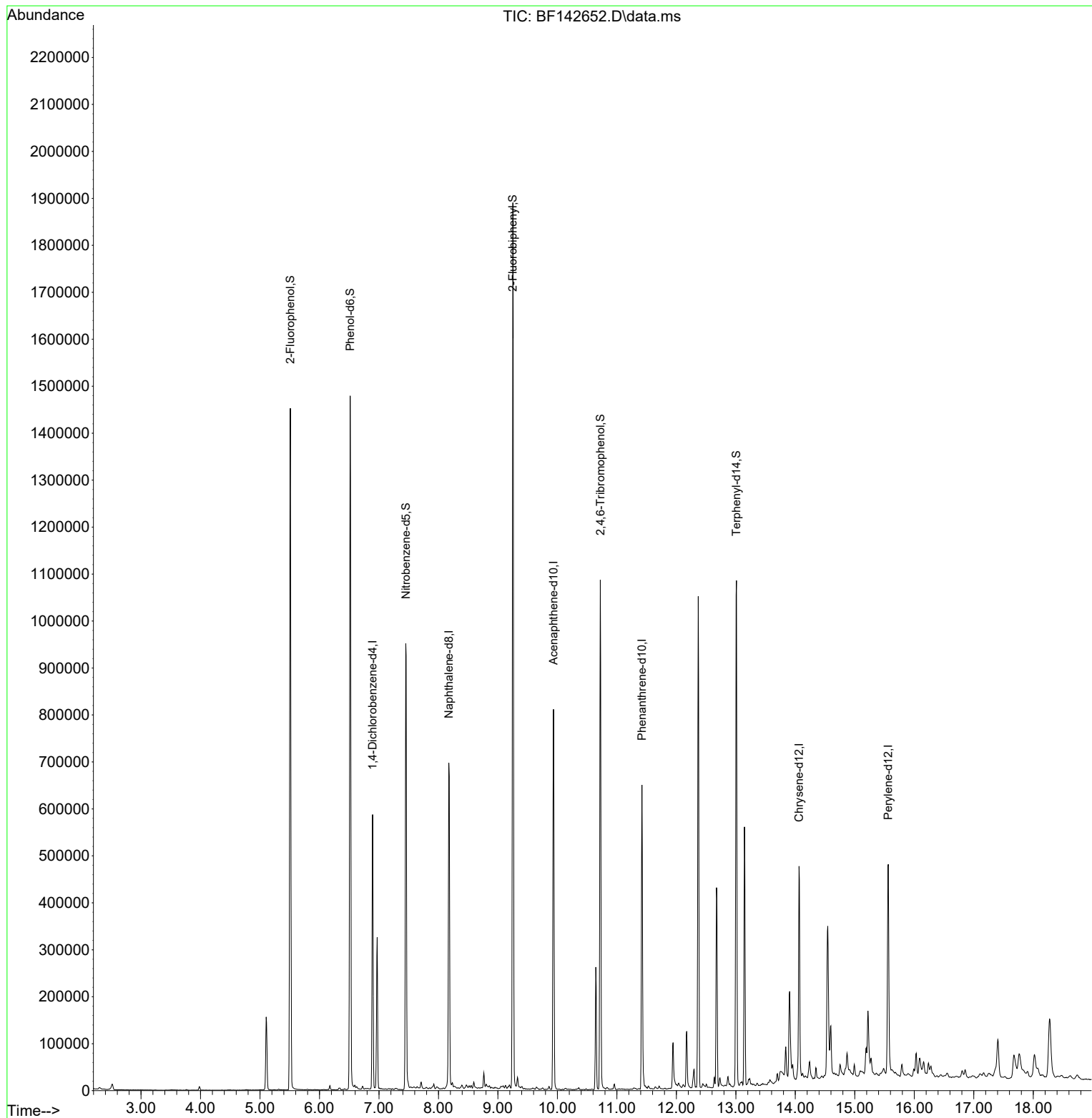
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

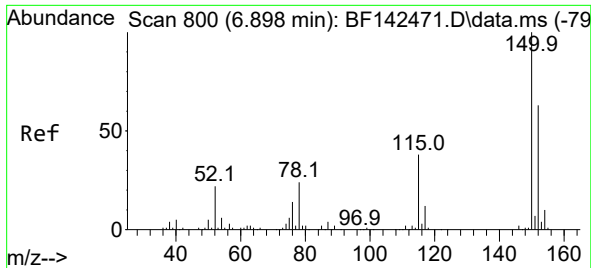
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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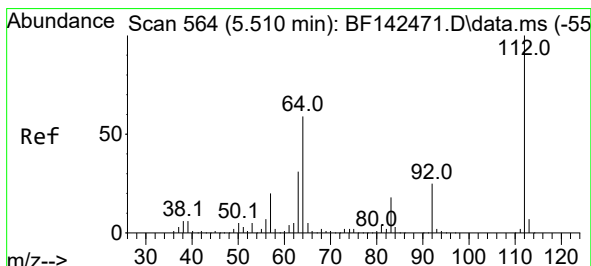
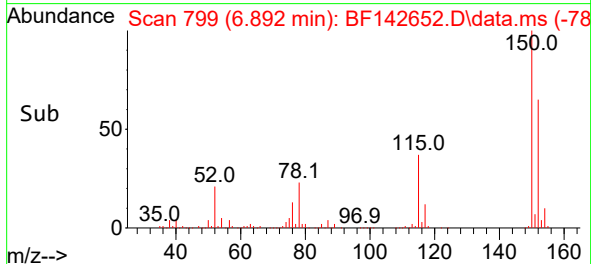
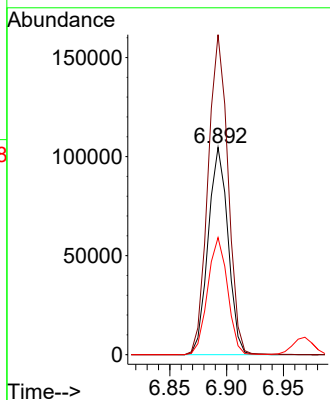
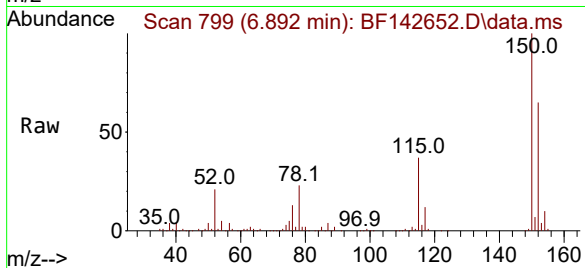




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 79  
Delta R.T. -0.012 min  
Lab File: BF142652.D  
Acq: 06 Jun 2025 18:01

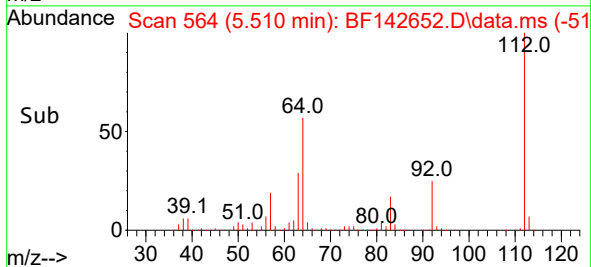
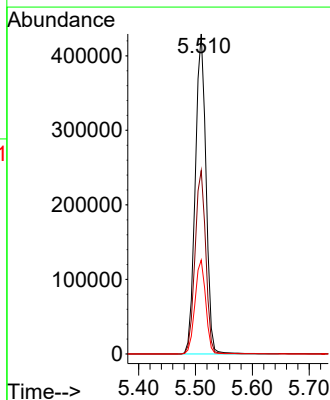
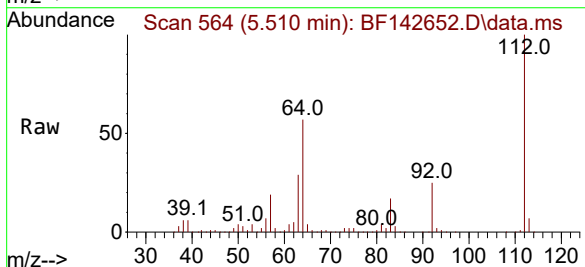
Instrument :  
BNA\_F  
ClientSampleId :  
B-187-SB02

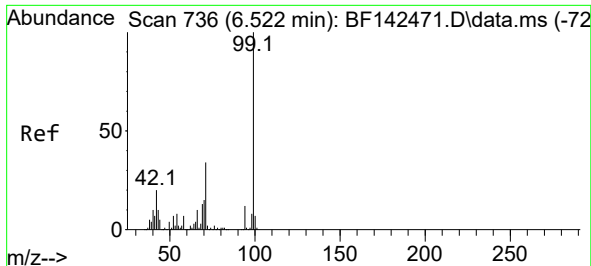
Tgt Ion:152 Resp: 127118  
Ion Ratio Lower Upper  
152 100  
150 154.4 128.2 192.4  
115 56.5 48.3 72.5



#5  
2-Fluorophenol  
Concen: 75.275 ng  
RT: 5.510 min Scan# 564  
Delta R.T. -0.006 min  
Lab File: BF142652.D  
Acq: 06 Jun 2025 18:01

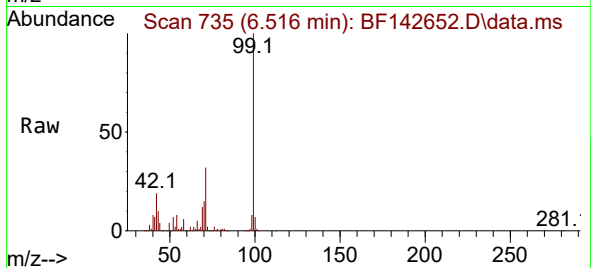
Tgt Ion:112 Resp: 567965  
Ion Ratio Lower Upper  
112 100  
64 57.3 47.5 71.3  
63 29.4 24.9 37.3



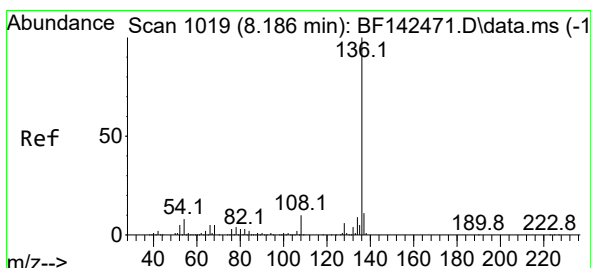
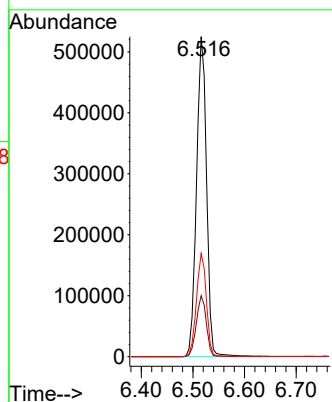
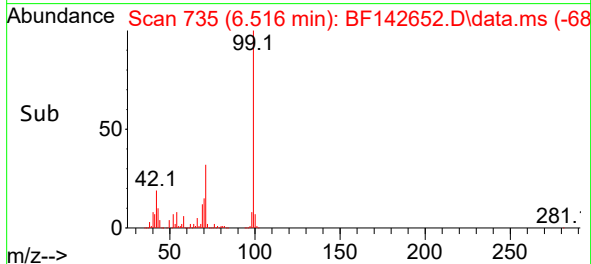


#7  
Phenol-d6  
Concen: 78.141 ng  
RT: 6.516 min Scan# 71  
Delta R.T. -0.018 min  
Lab File: BF142652.D  
Acq: 06 Jun 2025 18:01

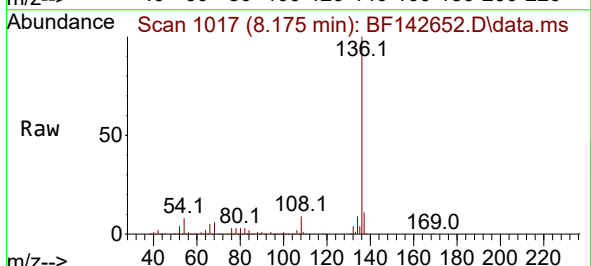
Instrument :  
BNA\_F  
ClientSampleId :  
B-187-SB02



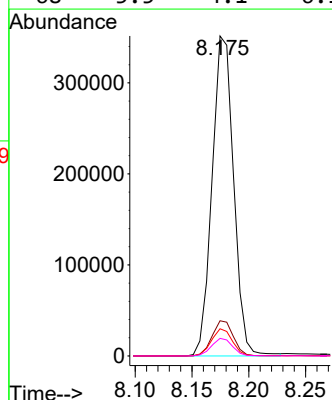
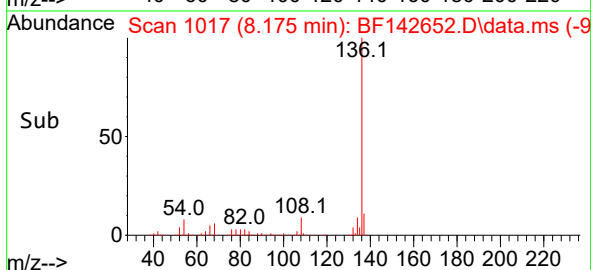
Tgt Ion: 99 Resp: 709724  
Ion Ratio Lower Upper  
99 100  
42 19.0 16.2 24.2  
71 32.2 27.3 40.9

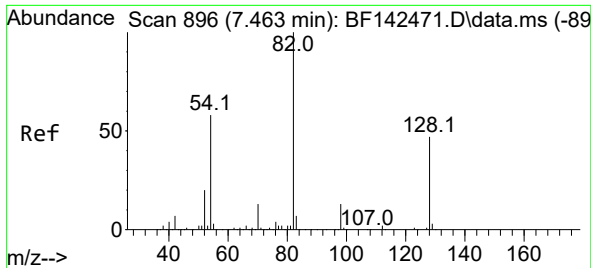


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1017  
Delta R.T. -0.012 min  
Lab File: BF142652.D  
Acq: 06 Jun 2025 18:01



Tgt Ion: 136 Resp: 464348  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.6 13.0  
54 8.5 6.6 10.0  
68 5.5 4.1 6.1

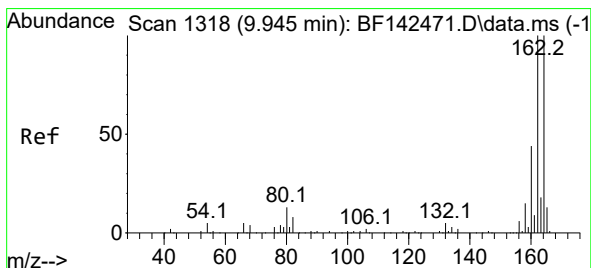
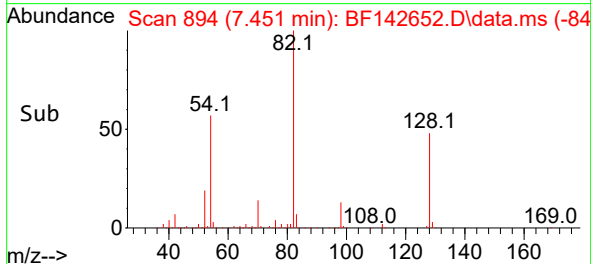
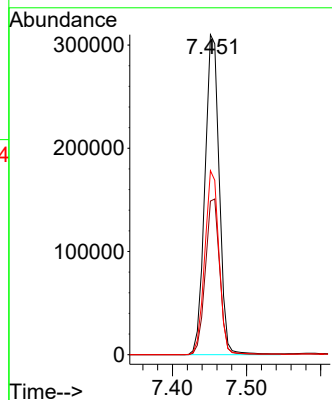
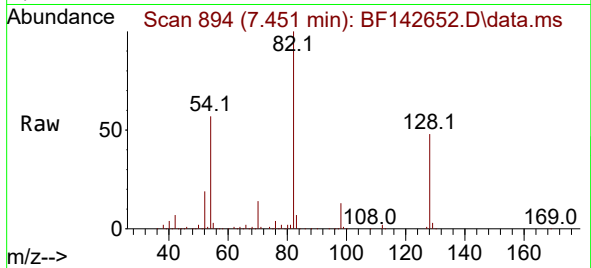




#23  
Nitrobenzene-d5  
Concen: 49.114 ng  
RT: 7.451 min Scan# 896  
Delta R.T. -0.023 min  
Lab File: BF142652.D  
Acq: 06 Jun 2025 18:01

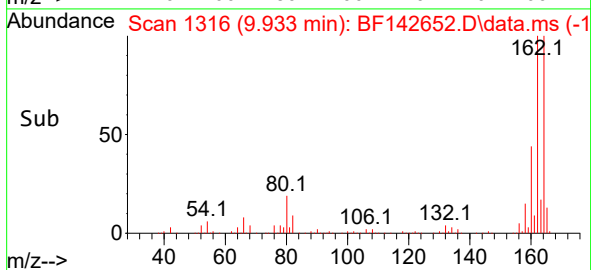
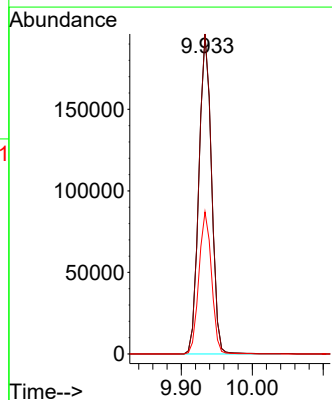
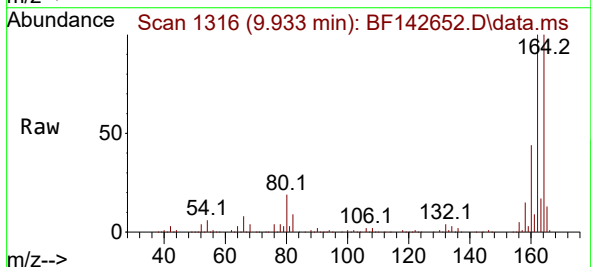
Instrument :  
BNA\_F  
ClientSampleId :  
B-187-SB02

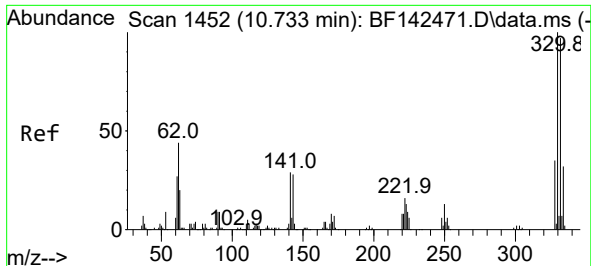
Tgt Ion: 82 Resp: 418235  
Ion Ratio Lower Upper  
82 100  
128 48.0 37.4 56.2  
54 57.5 46.6 70.0



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.933 min Scan# 1316  
Delta R.T. -0.012 min  
Lab File: BF142652.D  
Acq: 06 Jun 2025 18:01

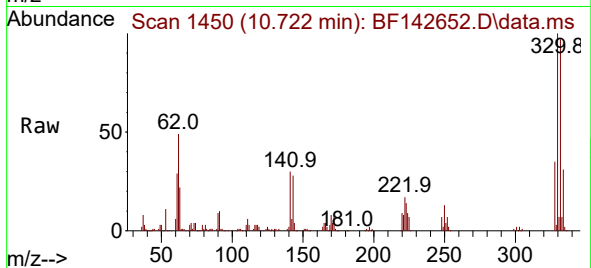
Tgt Ion:164 Resp: 242206  
Ion Ratio Lower Upper  
164 100  
162 100.4 80.2 120.4  
160 44.6 35.6 53.4



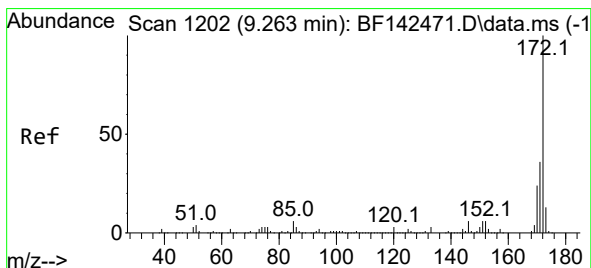
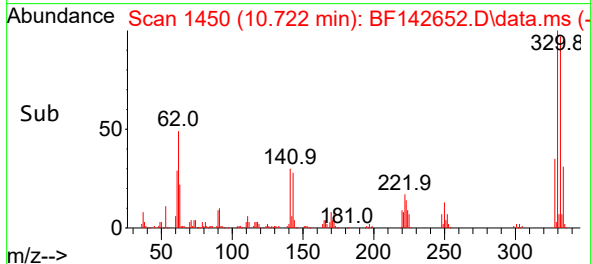
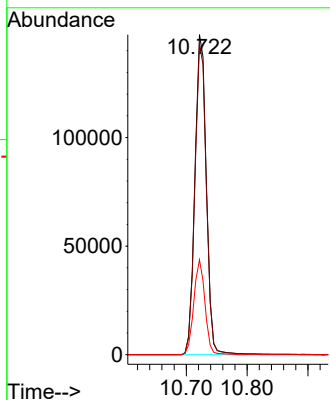


#42  
2,4,6-Tribromophenol  
Concen: 71.706 ng  
RT: 10.722 min Scan# 1452  
Delta R.T. -0.018 min  
Lab File: BF142652.D  
Acq: 06 Jun 2025 18:01

Instrument :  
BNA\_F  
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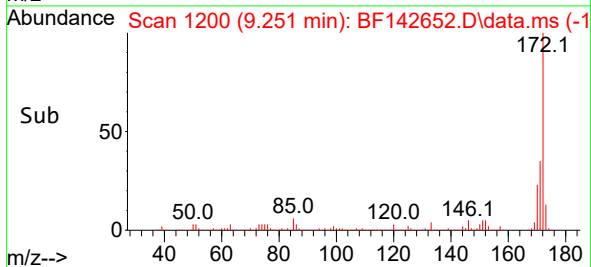
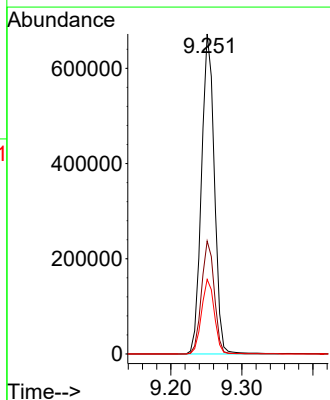
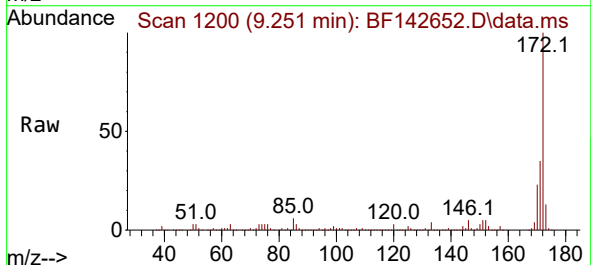


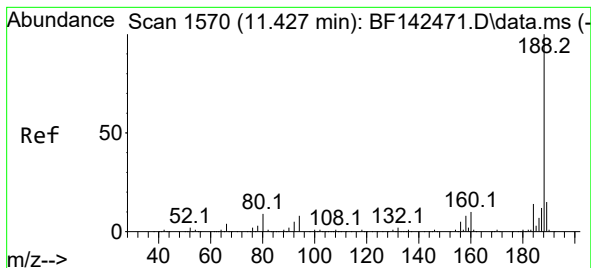
Tgt Ion:330 Resp: 192758  
Ion Ratio Lower Upper  
330 100  
332 97.1 77.6 116.4  
141 28.8 24.6 36.8



#45  
2-Fluorobiphenyl  
Concen: 47.173 ng  
RT: 9.251 min Scan# 1200  
Delta R.T. -0.018 min  
Lab File: BF142652.D  
Acq: 06 Jun 2025 18:01

Tgt Ion:172 Resp: 851469  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.6 42.8  
170 23.3 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142652.D

Acq: 06 Jun 2025 18:01

Instrument :

BNA\_F

ClientSampleId :

B-187-SB02

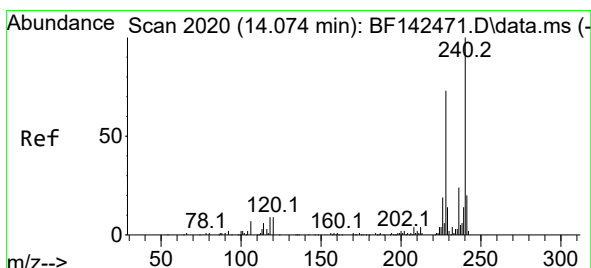
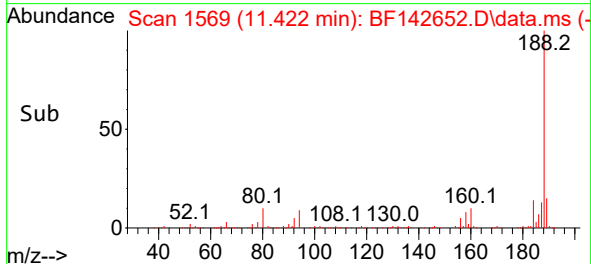
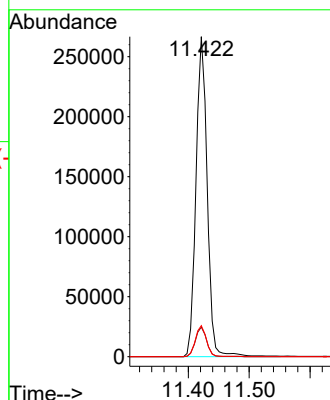
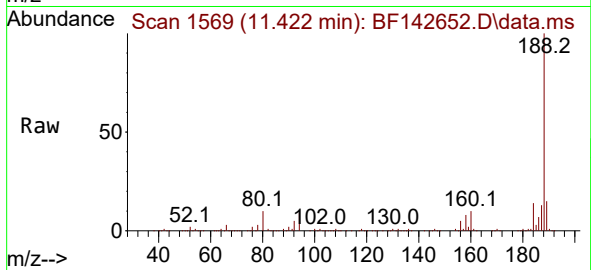
Tgt Ion:188 Resp: 341702

Ion Ratio Lower Upper

188 100

94 9.3 6.6 10.0

80 9.7 7.4 11.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF142652.D

Acq: 06 Jun 2025 18:01

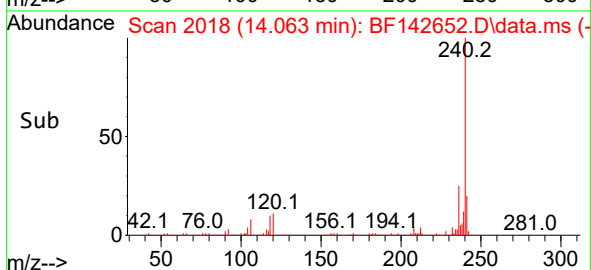
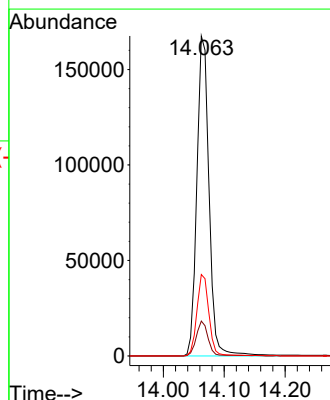
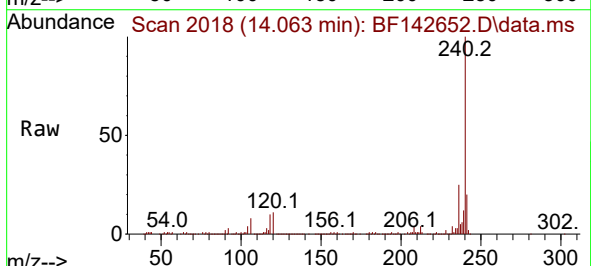
Tgt Ion:240 Resp: 233121

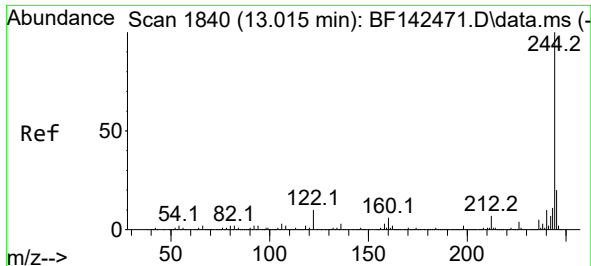
Ion Ratio Lower Upper

240 100

120 10.9 7.5 11.3

236 25.5 19.6 29.4

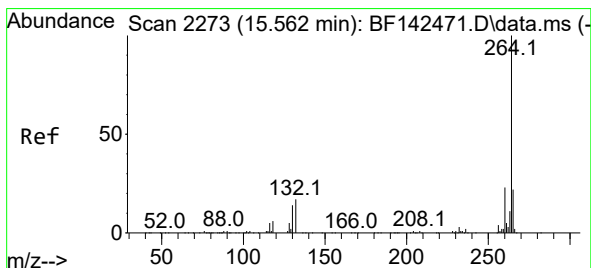
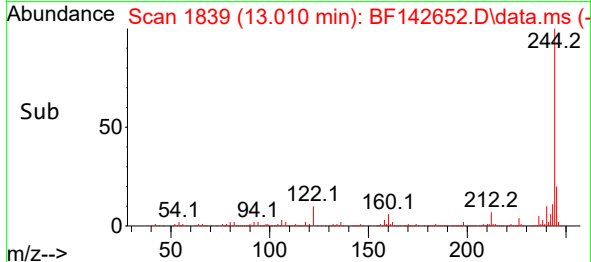
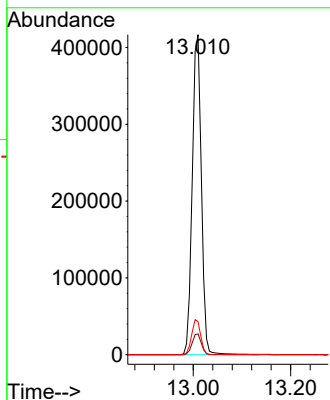
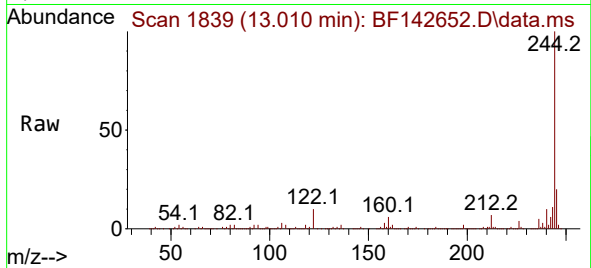




#79  
 Terphenyl-d14  
 Concen: 32.020 ng  
 RT: 13.010 min Scan# 1839  
 Delta R.T. -0.006 min  
 Lab File: BF142652.D  
 Acq: 06 Jun 2025 18:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-187-SB02

Tgt Ion:244 Resp: 546241  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.3 7.9  
 122 10.3 8.2 12.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.562 min Scan# 2273  
 Delta R.T. -0.006 min  
 Lab File: BF142652.D  
 Acq: 06 Jun 2025 18:01

Tgt Ion:264 Resp: 281873  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 18.6 28.0  
 265 21.7 17.7 26.5

