

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060425\  
 Data File : BF142603.D  
 Acq On : 04 Jun 2025 13:05  
 Operator : RC/JU  
 Sample : PB168234BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB168234BL

Quant Time: Jun 04 13:37:53 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   | 6.893  | 152  | 131273   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.175  | 136  | 500088   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.934  | 164  | 273312   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.422 | 188  | 477318   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12            | 14.063 | 240  | 281764   | 20.000  | ng    | #-0.01   |
| 86) Perylene-d12            | 15.563 | 264  | 248996   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.522  | 112  | 931257   | 119.517 | ng    | 0.00     |
| 7) Phenol-d6                | 6.522  | 99   | 1120166  | 119.427 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.457  | 82   | 690335   | 75.273  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.728 | 330  | 355604   | 117.229 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.257  | 172  | 1463491  | 71.852  | ng    | -0.01    |
| 79) Terphenyl-d14           | 13.010 | 244  | 1487213  | 72.129  | ng    | 0.00     |

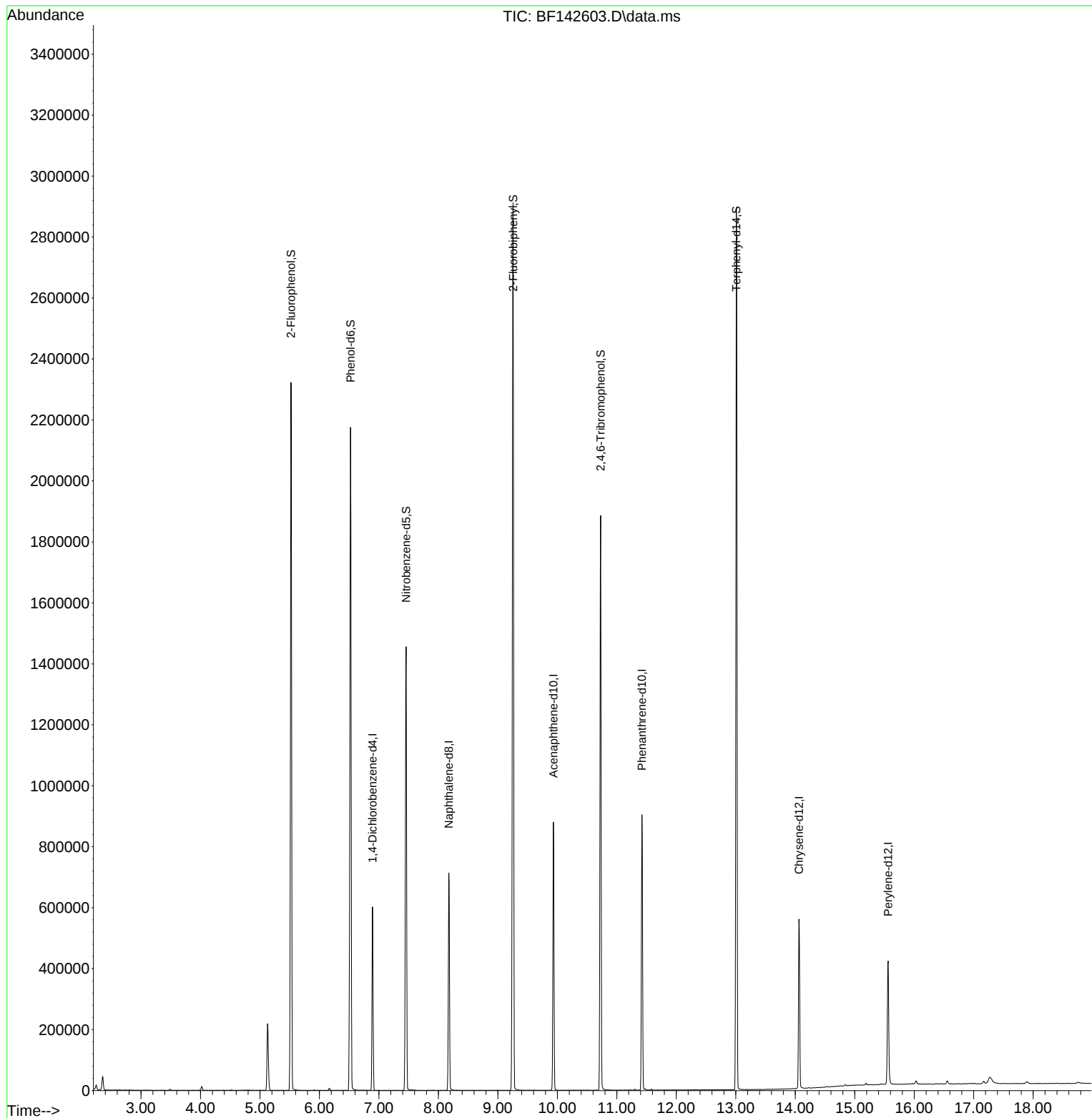
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

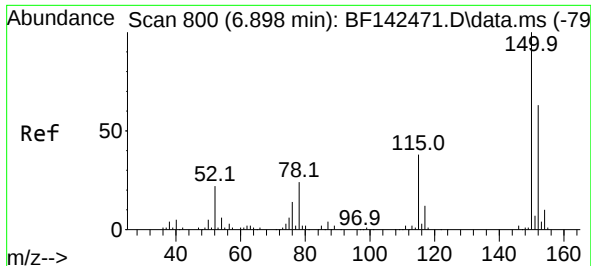
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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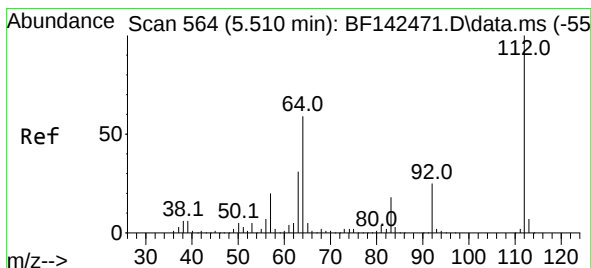
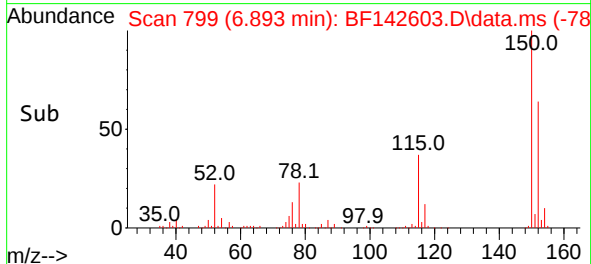
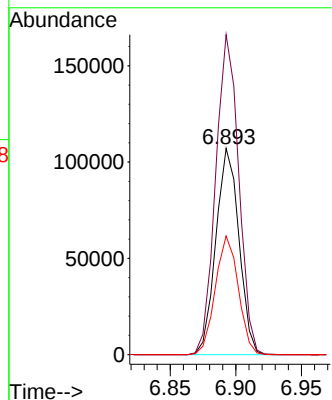
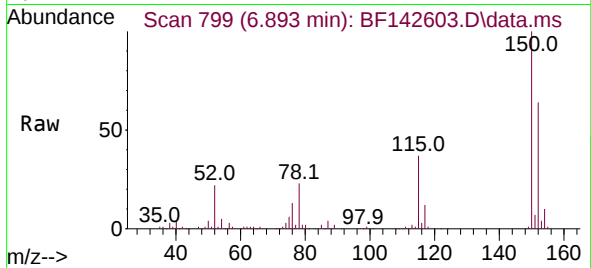




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.893 min Scan# 79  
Delta R.T. -0.011 min  
Lab File: BF142603.D  
Acq: 04 Jun 2025 13:05

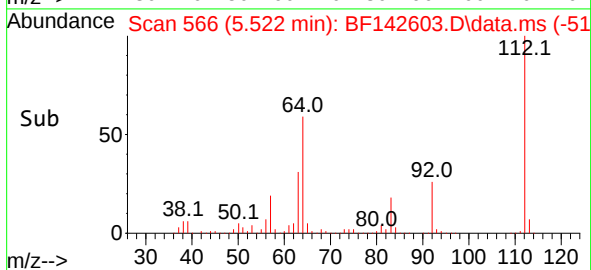
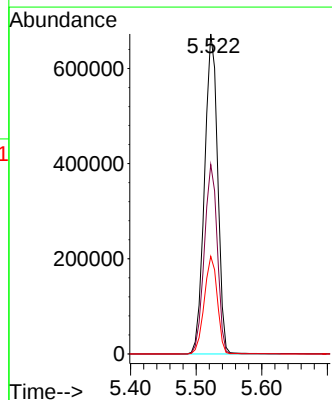
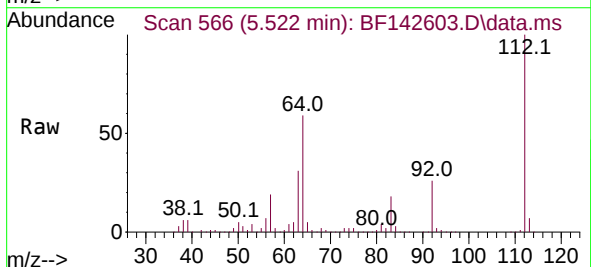
Instrument :  
BNA\_F  
ClientSampleId :  
PB168234BL

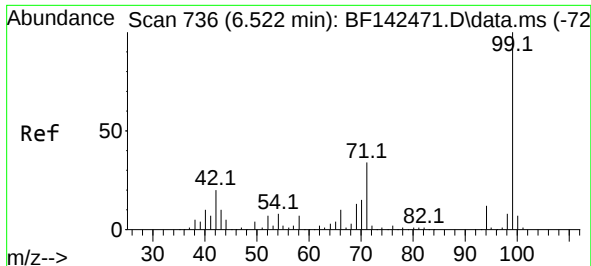
Tgt Ion:152 Resp: 131273  
Ion Ratio Lower Upper  
152 100  
150 155.2 128.2 192.4  
115 57.5 48.3 72.5



#5  
2-Fluorophenol  
Concen: 119.517 ng  
RT: 5.522 min Scan# 566  
Delta R.T. 0.006 min  
Lab File: BF142603.D  
Acq: 04 Jun 2025 13:05

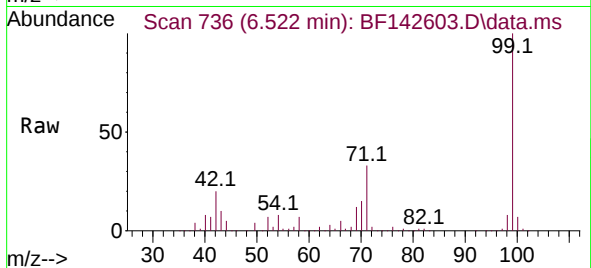
Tgt Ion:112 Resp: 931257  
Ion Ratio Lower Upper  
112 100  
64 59.2 47.5 71.3  
63 30.5 24.9 37.3





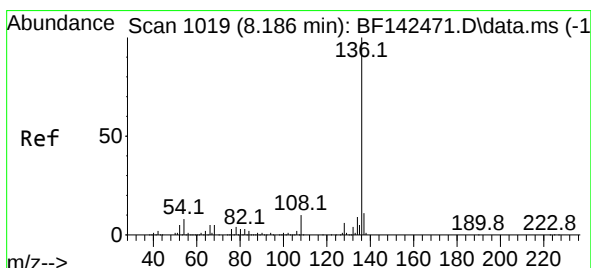
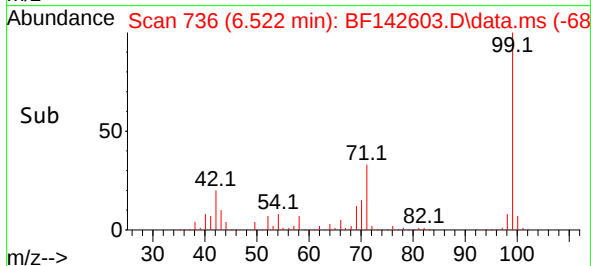
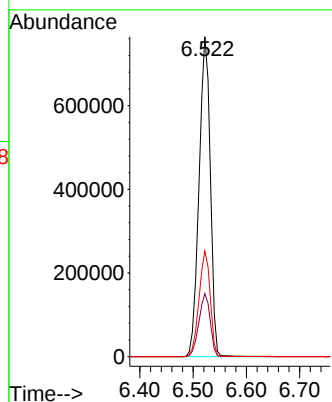
#7  
Phenol-d6  
Concen: 119.427 ng  
RT: 6.522 min Scan# 736  
Delta R.T. -0.012 min  
Lab File: BF142603.D  
Acq: 04 Jun 2025 13:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB168234BL



Tgt Ion: 99 Resp: 1120166

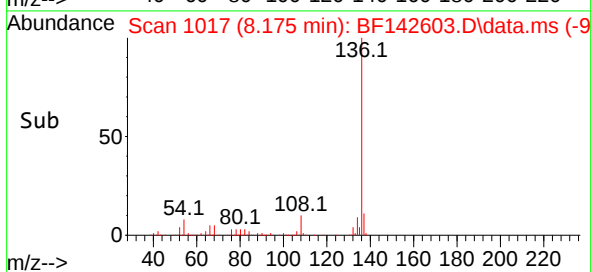
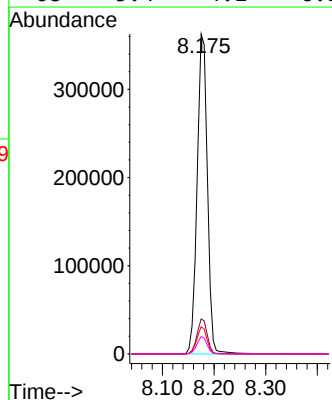
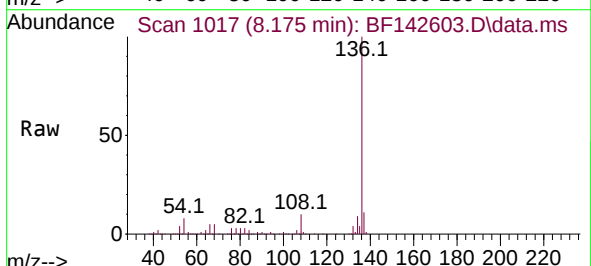
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.7  | 16.2  | 24.2  |
| 71  | 33.0  | 27.3  | 40.9  |

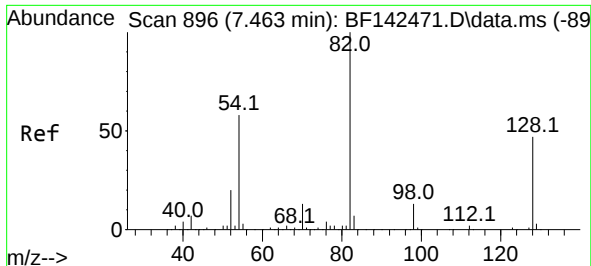


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1017  
Delta R.T. -0.012 min  
Lab File: BF142603.D  
Acq: 04 Jun 2025 13:05

Tgt Ion: 136 Resp: 500088

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.6   | 13.0  |
| 54  | 8.5   | 6.6   | 10.0  |
| 68  | 5.4   | 4.1   | 6.1   |





#23

Nitrobenzene-d5

Concen: 75.273 ng

RT: 7.457 min Scan# 89

Delta R.T. -0.017 min

Lab File: BF142603.D

Acq: 04 Jun 2025 13:05

Instrument :

BNA\_F

ClientSampleId :

PB168234BL

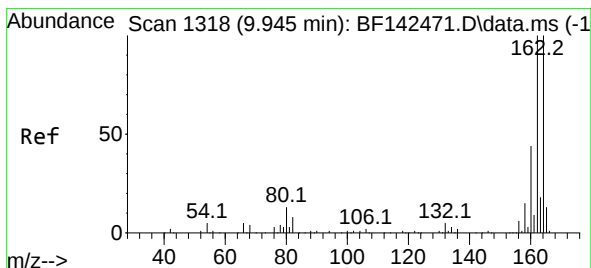
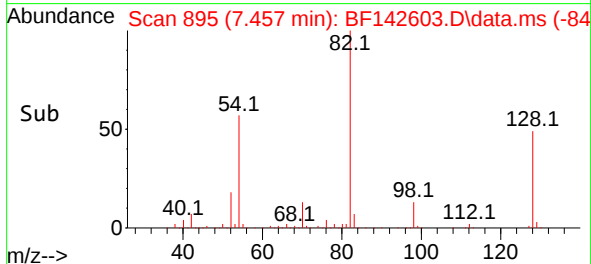
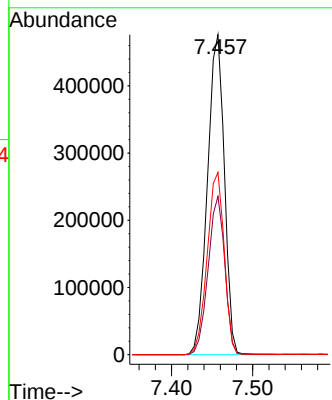
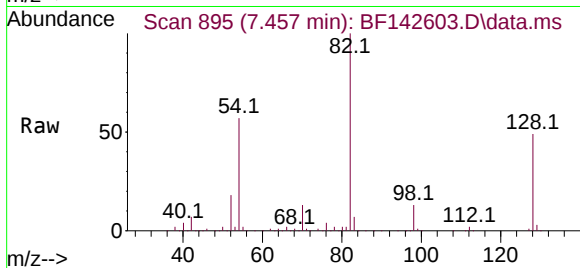
Tgt Ion: 82 Resp: 690335

Ion Ratio Lower Upper

82 100

128 49.4 37.4 56.2

54 56.9 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF142603.D

Acq: 04 Jun 2025 13:05

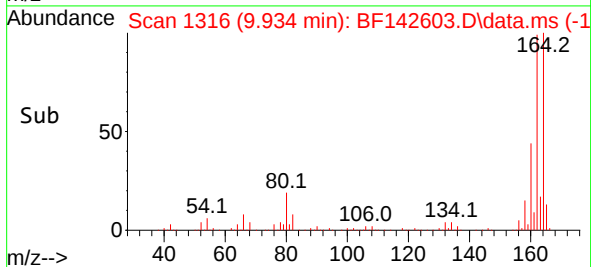
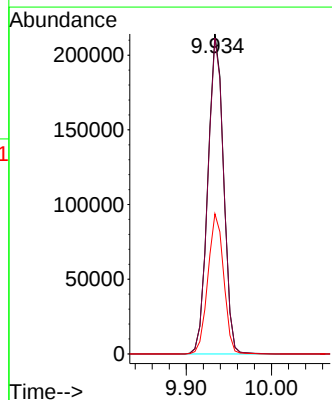
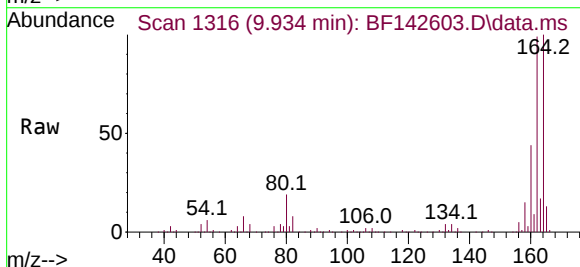
Tgt Ion:164 Resp: 273312

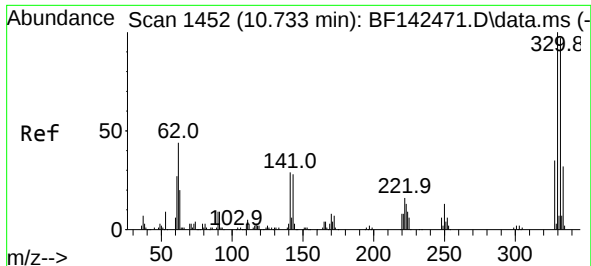
Ion Ratio Lower Upper

164 100

162 98.7 80.2 120.4

160 43.8 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 117.229 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF142603.D

Acq: 04 Jun 2025 13:05

Instrument :

BNA\_F

ClientSampleId :

PB168234BL

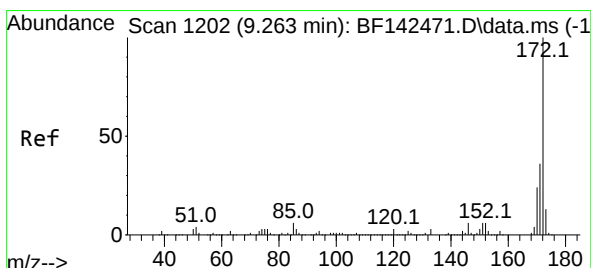
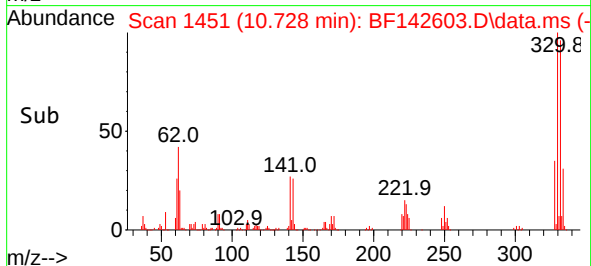
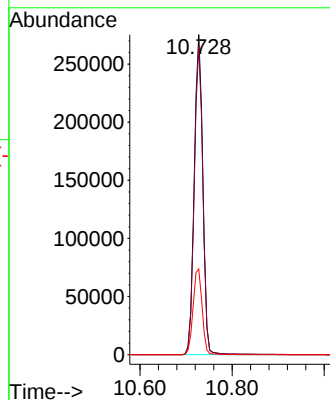
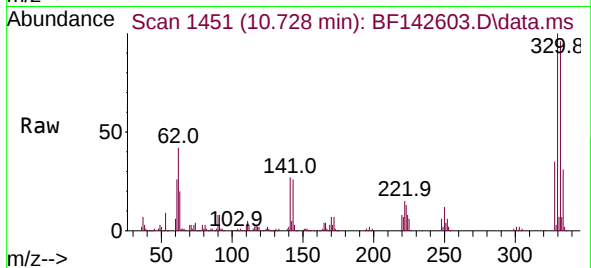
Tgt Ion:330 Resp: 355604

Ion Ratio Lower Upper

330 100

332 96.4 77.6 116.4

141 28.1 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 71.852 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF142603.D

Acq: 04 Jun 2025 13:05

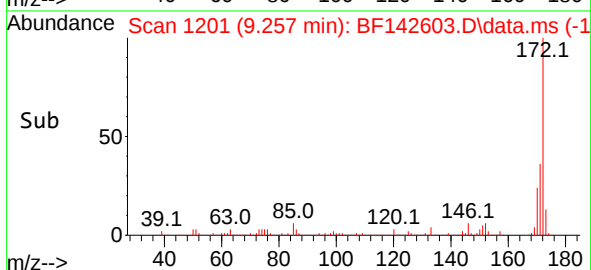
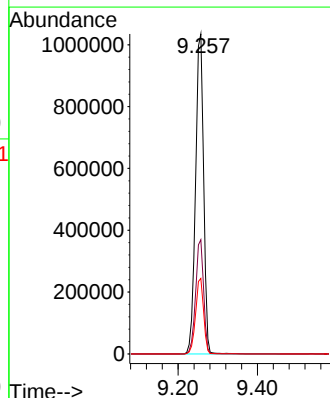
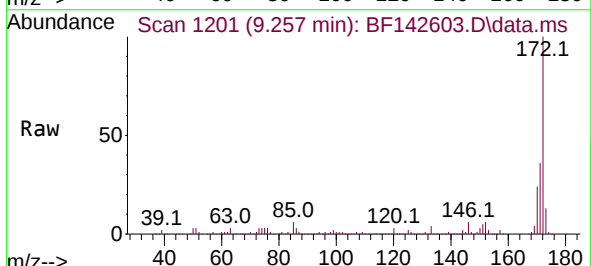
Tgt Ion:172 Resp: 1463491

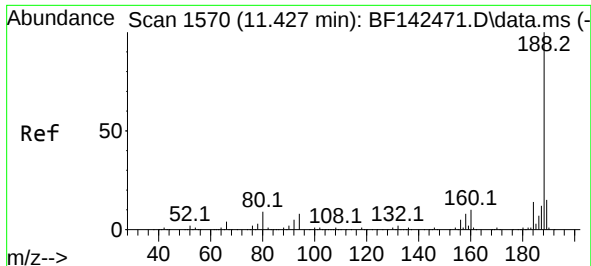
Ion Ratio Lower Upper

172 100

171 35.7 28.6 42.8

170 23.6 18.9 28.3

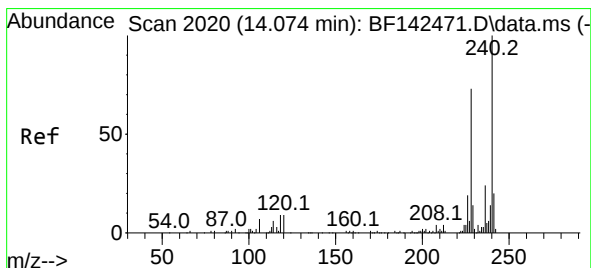
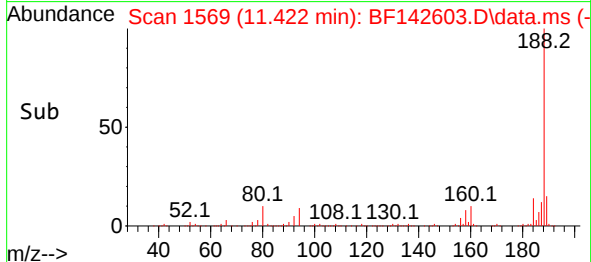
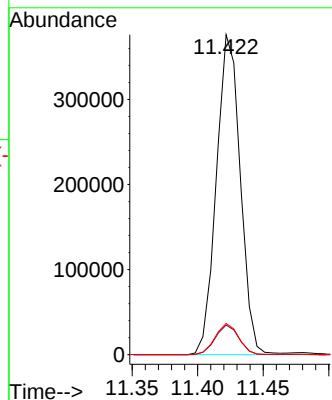
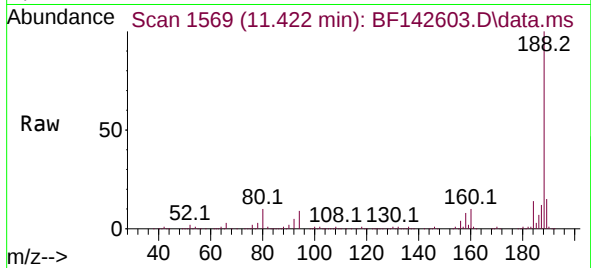




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.422 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF142603.D  
Acq: 04 Jun 2025 13:05

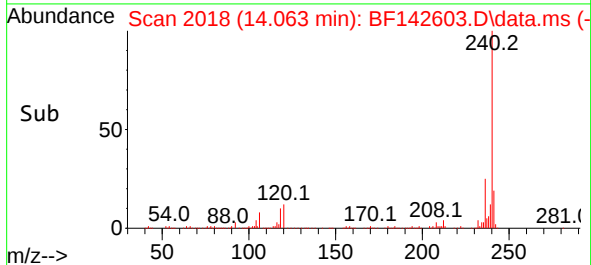
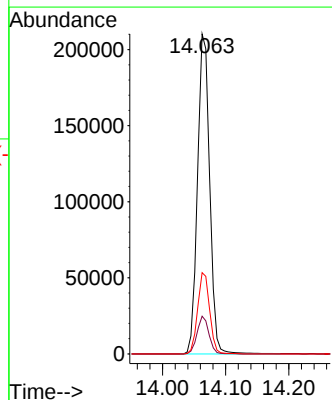
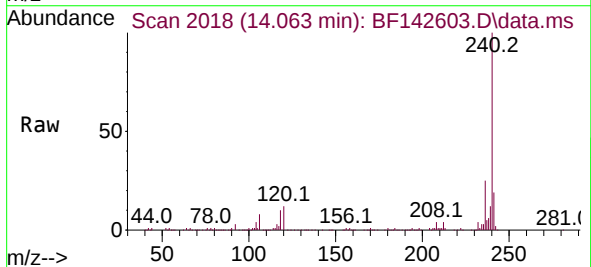
Instrument :  
BNA\_F  
ClientSampleId :  
PB168234BL

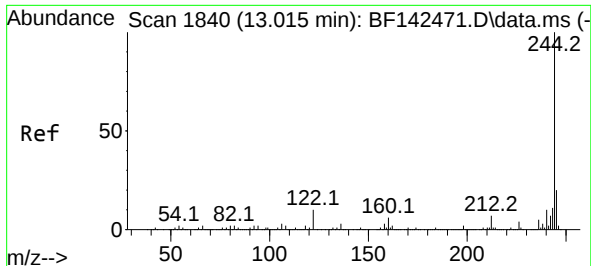
Tgt Ion:188 Resp: 477318  
Ion Ratio Lower Upper  
188 100  
94 9.2 6.6 10.0  
80 9.7 7.4 11.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.063 min Scan# 2018  
Delta R.T. -0.012 min  
Lab File: BF142603.D  
Acq: 04 Jun 2025 13:05

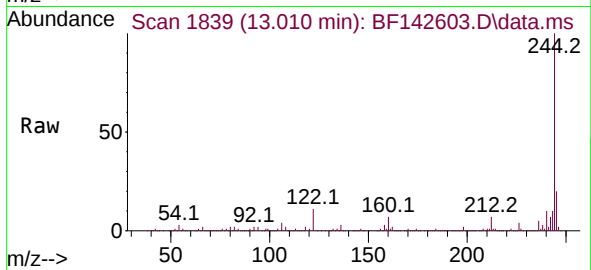
Tgt Ion:240 Resp: 281764  
Ion Ratio Lower Upper  
240 100  
120 11.8 7.5 11.3#  
236 25.4 19.6 29.4



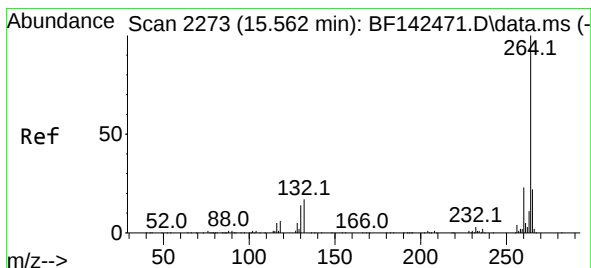
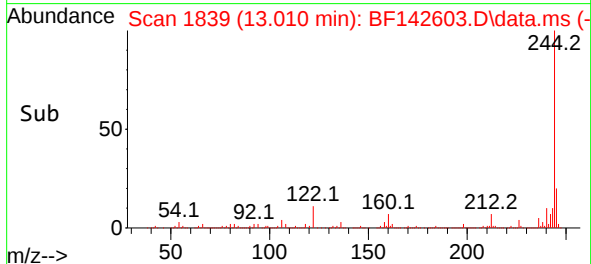
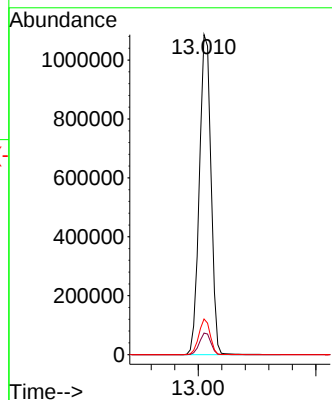


#79  
Terphenyl-d14  
Concen: 72.129 ng  
RT: 13.010 min Scan# 1840  
Delta R.T. -0.006 min  
Lab File: BF142603.D  
Acq: 04 Jun 2025 13:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB168234BL



Tgt Ion:244 Resp: 1487213  
Ion Ratio Lower Upper  
244 100  
212 6.7 5.3 7.9  
122 11.1 8.2 12.2



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.563 min Scan# 2273  
Delta R.T. -0.006 min  
Lab File: BF142603.D  
Acq: 04 Jun 2025 13:05

Tgt Ion:264 Resp: 248996  
Ion Ratio Lower Upper  
264 100  
260 22.5 18.6 28.0  
265 21.1 17.7 26.5

