

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051225\  
 Data File : BF142334.D  
 Acq On : 12 May 2025 22:00  
 Operator : RC/JU  
 Sample : Q2004-06  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 R0202

Quant Time: May 13 01:06:09 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050525.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 05 18:41:44 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.904  | 152  | 209843   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.181  | 136  | 785588   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.939  | 164  | 422009   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.427 | 188  | 701596   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.063 | 240  | 420162   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.557 | 264  | 321432   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.528  | 112  | 1347305  | 109.604 | ng    | 0.02     |
| 7) Phenol-d6                | 6.522  | 99   | 1497967  | 99.079  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.463  | 82   | 1027441  | 79.763  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.727 | 330  | 524445   | 128.717 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.257  | 172  | 2131035  | 72.003  | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.016 | 244  | 2076585  | 73.152  | ng    | 0.00     |

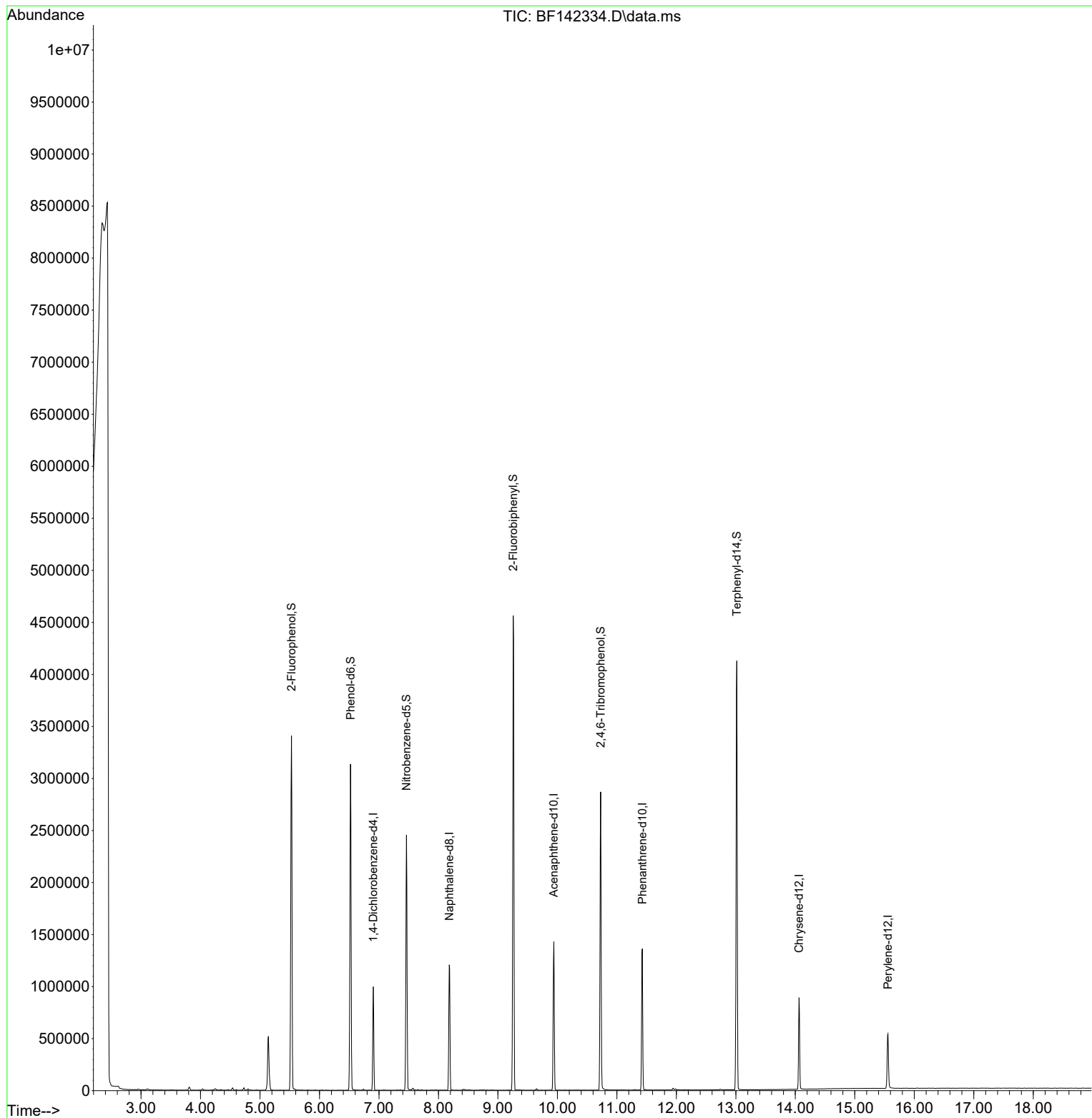
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

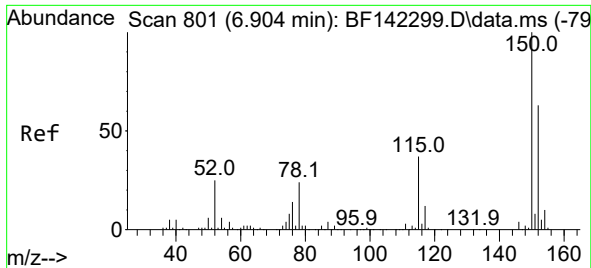
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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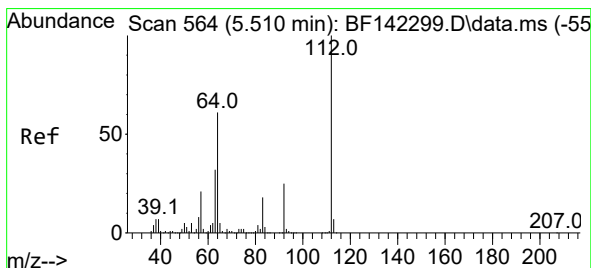
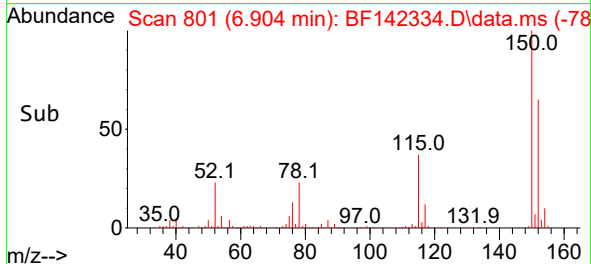
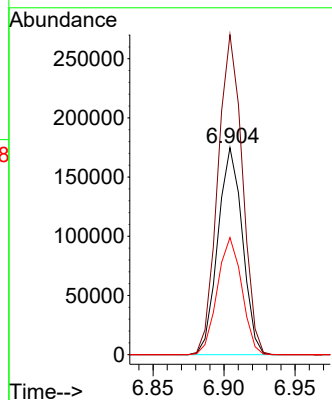
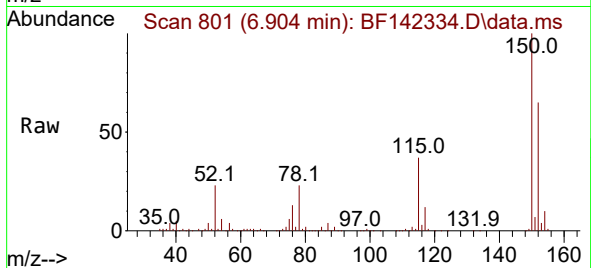




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.904 min Scan# 801  
Delta R.T. 0.000 min  
Lab File: BF142334.D  
Acq: 12 May 2025 22:00

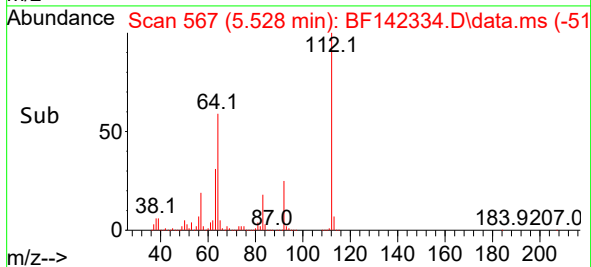
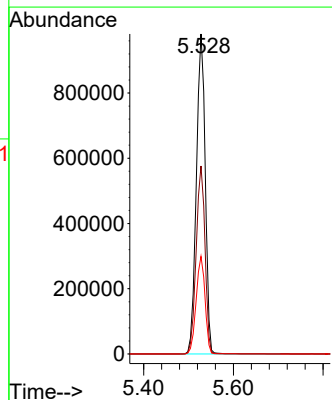
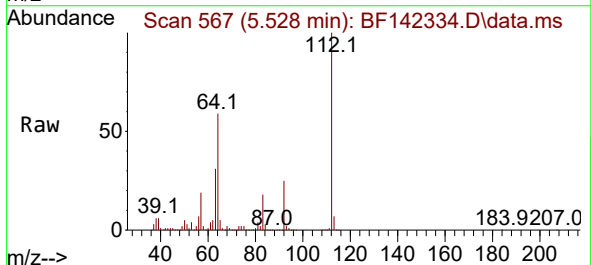
Instrument :  
BNA\_F  
ClientSampleId :  
R0202

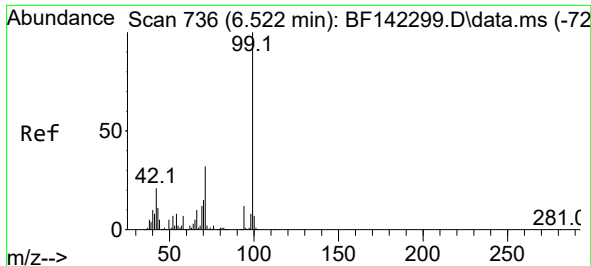
Tgt Ion:152 Resp: 209843  
Ion Ratio Lower Upper  
152 100  
150 154.6 126.6 190.0  
115 56.6 47.3 70.9



#5  
2-Fluorophenol  
Concen: 109.604 ng  
RT: 5.528 min Scan# 567  
Delta R.T. 0.018 min  
Lab File: BF142334.D  
Acq: 12 May 2025 22:00

Tgt Ion:112 Resp: 1347305  
Ion Ratio Lower Upper  
112 100  
64 58.7 48.9 73.3  
63 30.5 25.6 38.4

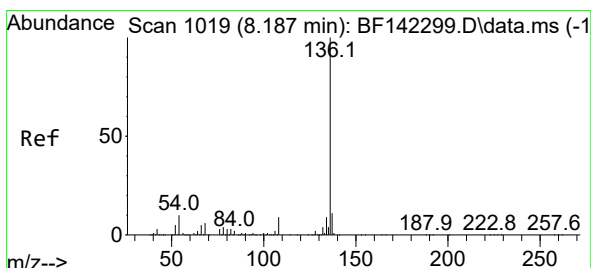
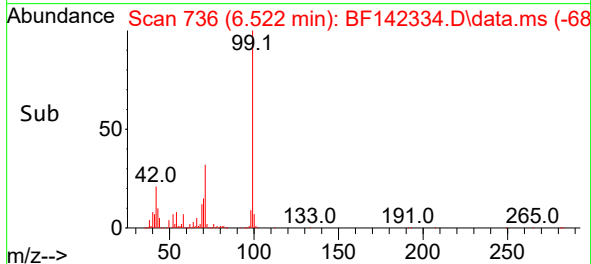
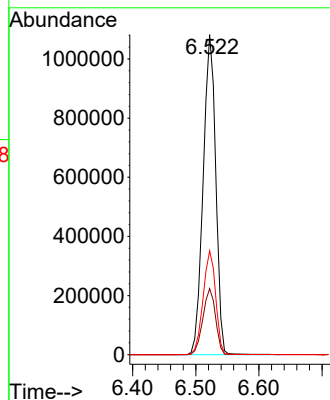
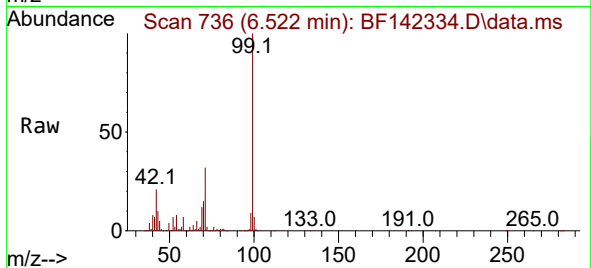




#7  
Phenol-d6  
Concen: 99.079 ng  
RT: 6.522 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF142334.D  
Acq: 12 May 2025 22:00

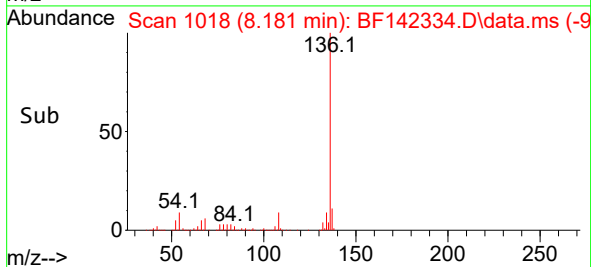
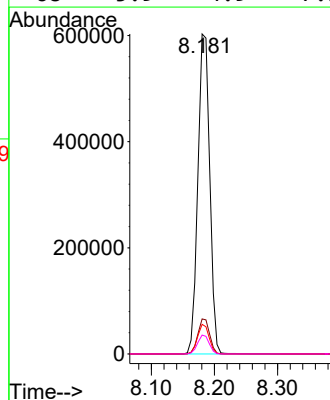
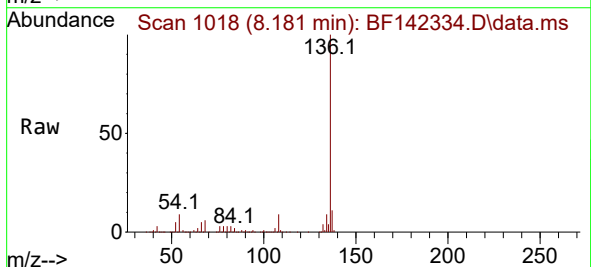
Instrument :  
BNA\_F  
ClientSampleId :  
R0202

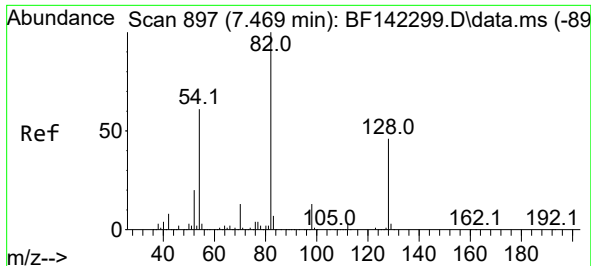
Tgt Ion: 99 Resp: 1497967  
Ion Ratio Lower Upper  
99 100  
42 20.6 17.0 25.4  
71 32.5 25.8 38.8



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.181 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: BF142334.D  
Acq: 12 May 2025 22:00

Tgt Ion:136 Resp: 785588  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.9 13.3  
54 9.3 7.7 11.5  
68 5.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 79.763 ng

RT: 7.463 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF142334.D

Acq: 12 May 2025 22:00

Instrument :

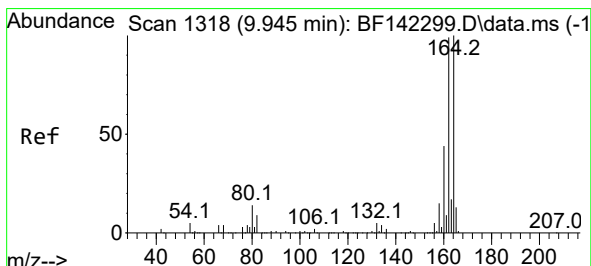
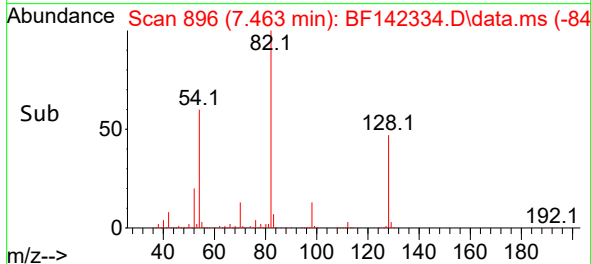
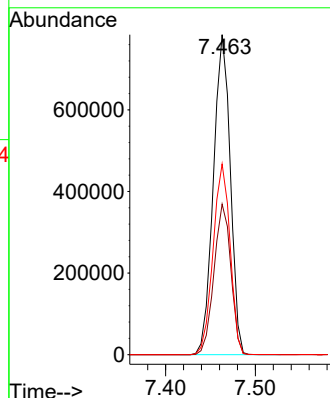
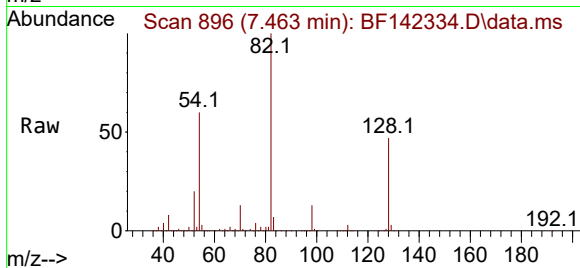
BNA\_F

ClientSampleId :

R0202

Tgt Ion: 82 Resp: 1027441

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 47.1  | 37.0  | 55.6  |
| 54  | 59.6  | 48.6  | 73.0  |



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1317

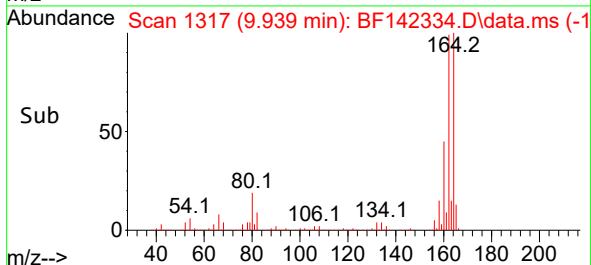
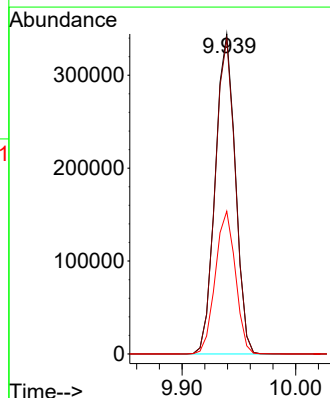
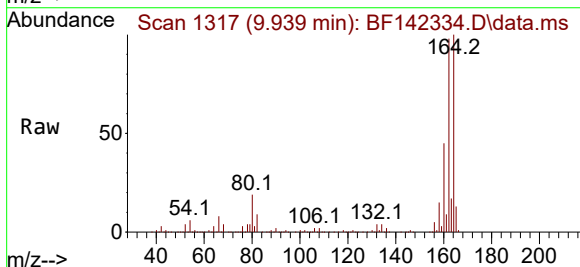
Delta R.T. -0.006 min

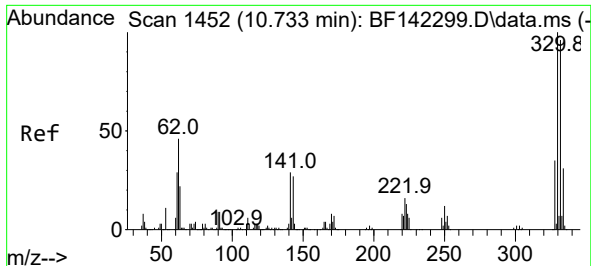
Lab File: BF142334.D

Acq: 12 May 2025 22:00

Tgt Ion: 164 Resp: 422009

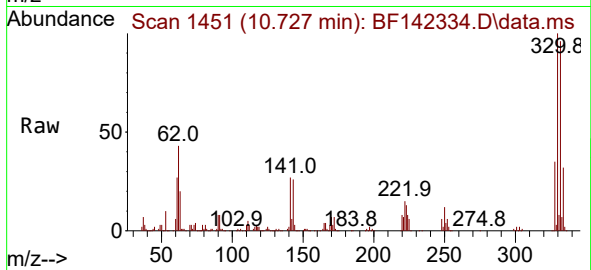
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 98.4  | 79.2  | 118.8 |
| 160 | 44.6  | 35.3  | 52.9  |



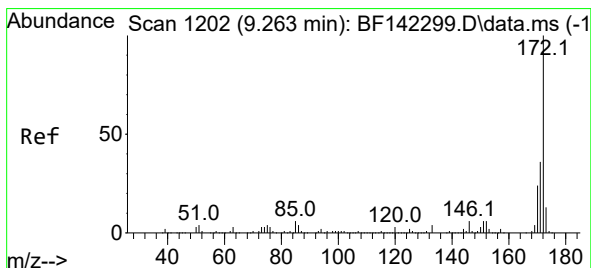
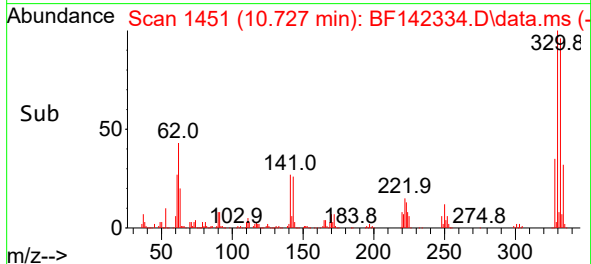
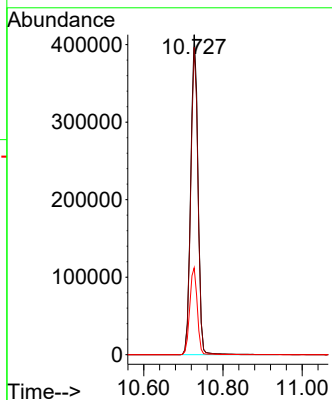


#42  
2,4,6-Tribromophenol  
Concen: 128.717 ng  
RT: 10.727 min Scan# 1451  
Delta R.T. -0.006 min  
Lab File: BF142334.D  
Acq: 12 May 2025 22:00

Instrument :  
BNA\_F  
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R0202

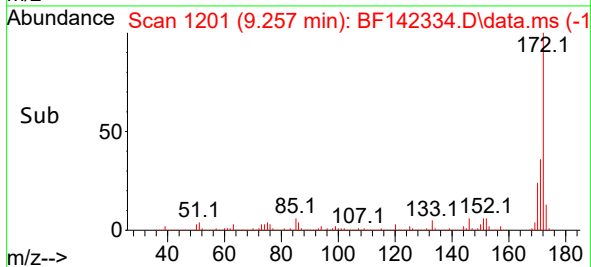
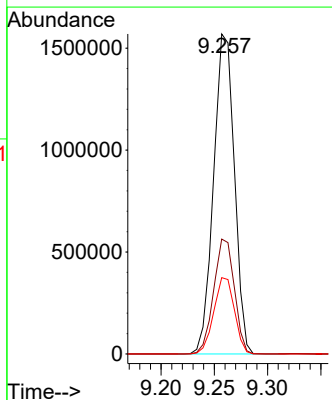
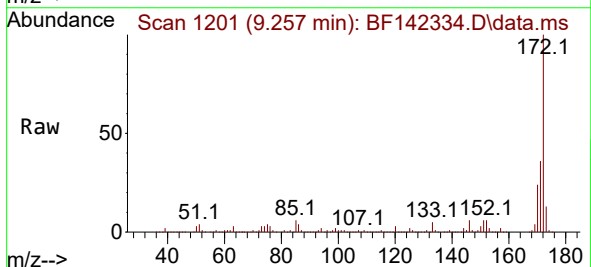


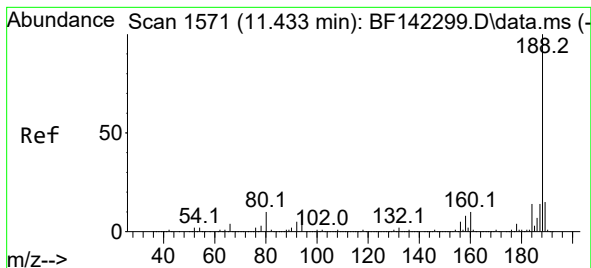
Tgt Ion:330 Resp: 524445  
Ion Ratio Lower Upper  
330 100  
332 96.1 76.8 115.2  
141 28.1 24.9 37.3



#45  
2-Fluorobiphenyl  
Concen: 72.003 ng  
RT: 9.257 min Scan# 1201  
Delta R.T. -0.006 min  
Lab File: BF142334.D  
Acq: 12 May 2025 22:00

Tgt Ion:172 Resp: 2131035  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.6 42.8  
170 23.9 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142334.D

Acq: 12 May 2025 22:00

Instrument :

BNA\_F

ClientSampleId :

R0202

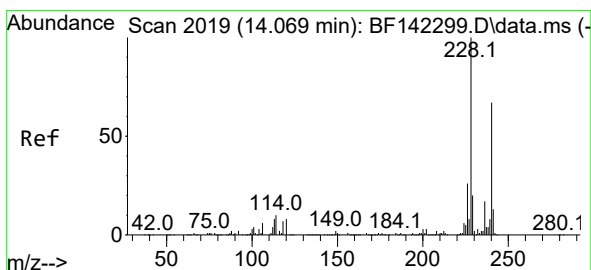
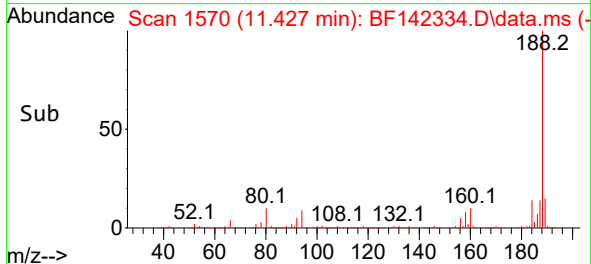
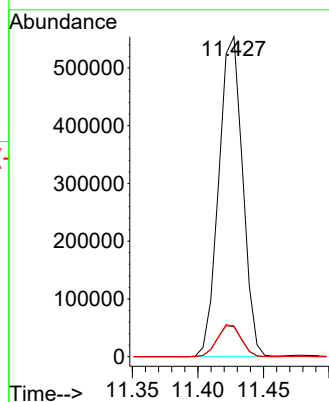
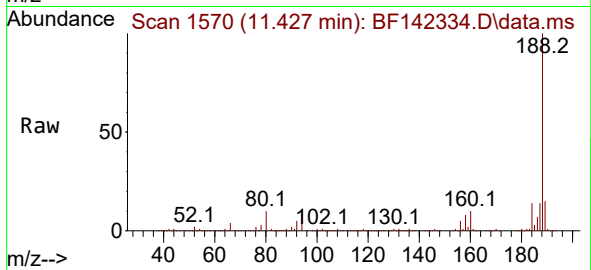
Tgt Ion:188 Resp: 701596

Ion Ratio Lower Upper

188 100

94 9.3 7.5 11.3

80 9.6 7.9 11.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF142334.D

Acq: 12 May 2025 22:00

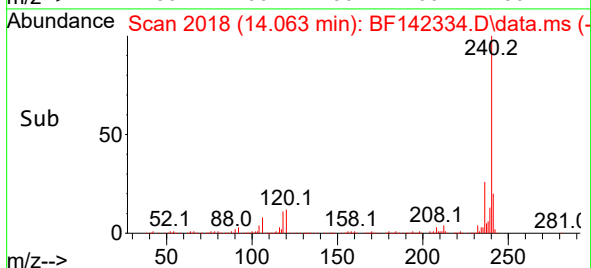
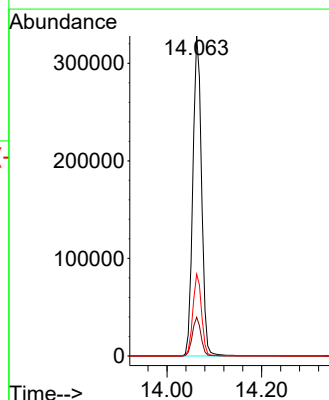
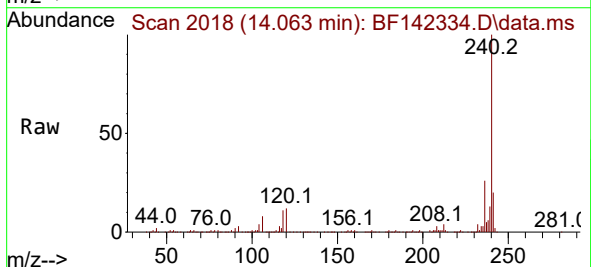
Tgt Ion:240 Resp: 420162

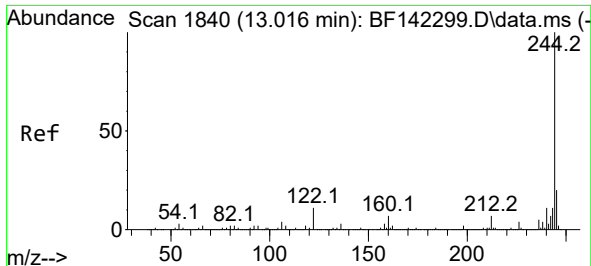
Ion Ratio Lower Upper

240 100

120 12.1 9.7 14.5

236 25.6 20.0 30.0

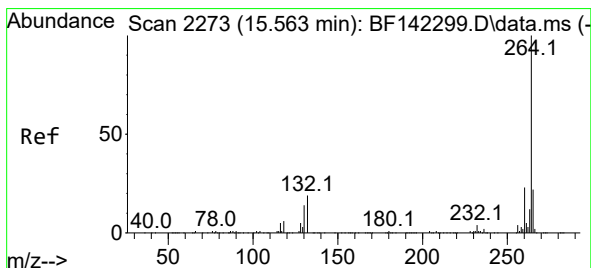
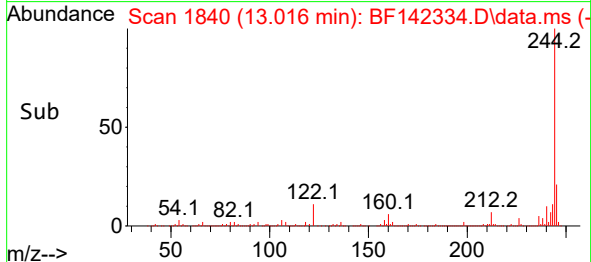
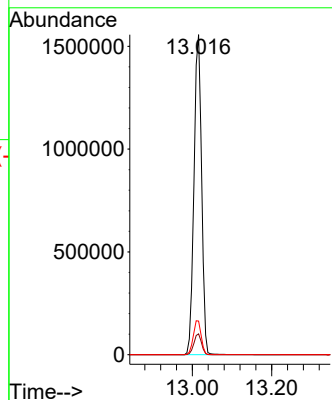
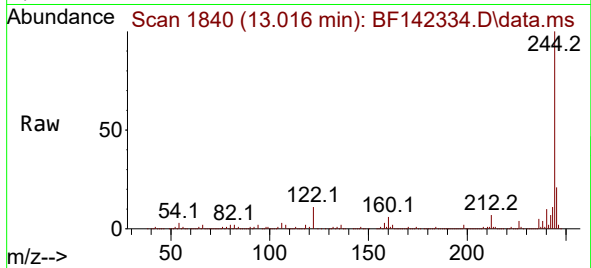




#79  
 Terphenyl-d14  
 Concen: 73.152 ng  
 RT: 13.016 min Scan# 1840  
 Delta R.T. -0.000 min  
 Lab File: BF142334.D  
 Acq: 12 May 2025 22:00

Instrument :  
 BNA\_F  
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Tgt Ion:244 Resp: 2076585  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.4 8.2  
 122 10.5 9.0 13.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.557 min Scan# 2272  
 Delta R.T. -0.006 min  
 Lab File: BF142334.D  
 Acq: 12 May 2025 22:00

Tgt Ion:264 Resp: 321432  
 Ion Ratio Lower Upper  
 264 100  
 260 22.7 18.6 27.8  
 265 21.2 17.5 26.3

