

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100925\  
 Data File : BF143909.D  
 Acq On : 09 Oct 2025 15:18  
 Operator : RC/JU  
 Sample : PB170041BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB170041BL

Quant Time: Oct 09 15:56:50 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100625.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 06 15:29:47 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.881  | 152  | 106153   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.163  | 136  | 416782   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.922  | 164  | 235593   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.410 | 188  | 421234   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.057 | 240  | 298312   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12            | 15.539 | 264  | 245587   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.504  | 112  | 1013273  | 151.580 | ng    | 0.00     |
| 7) Phenol-d6                | 6.504  | 99   | 1186780  | 148.945 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.440  | 82   | 762636   | 111.170 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.716 | 330  | 390991   | 166.624 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.239  | 172  | 1486964  | 100.148 | ng    | -0.01    |
| 79) Terphenyl-d14           | 13.004 | 244  | 1810874  | 103.748 | ng    | 0.00     |

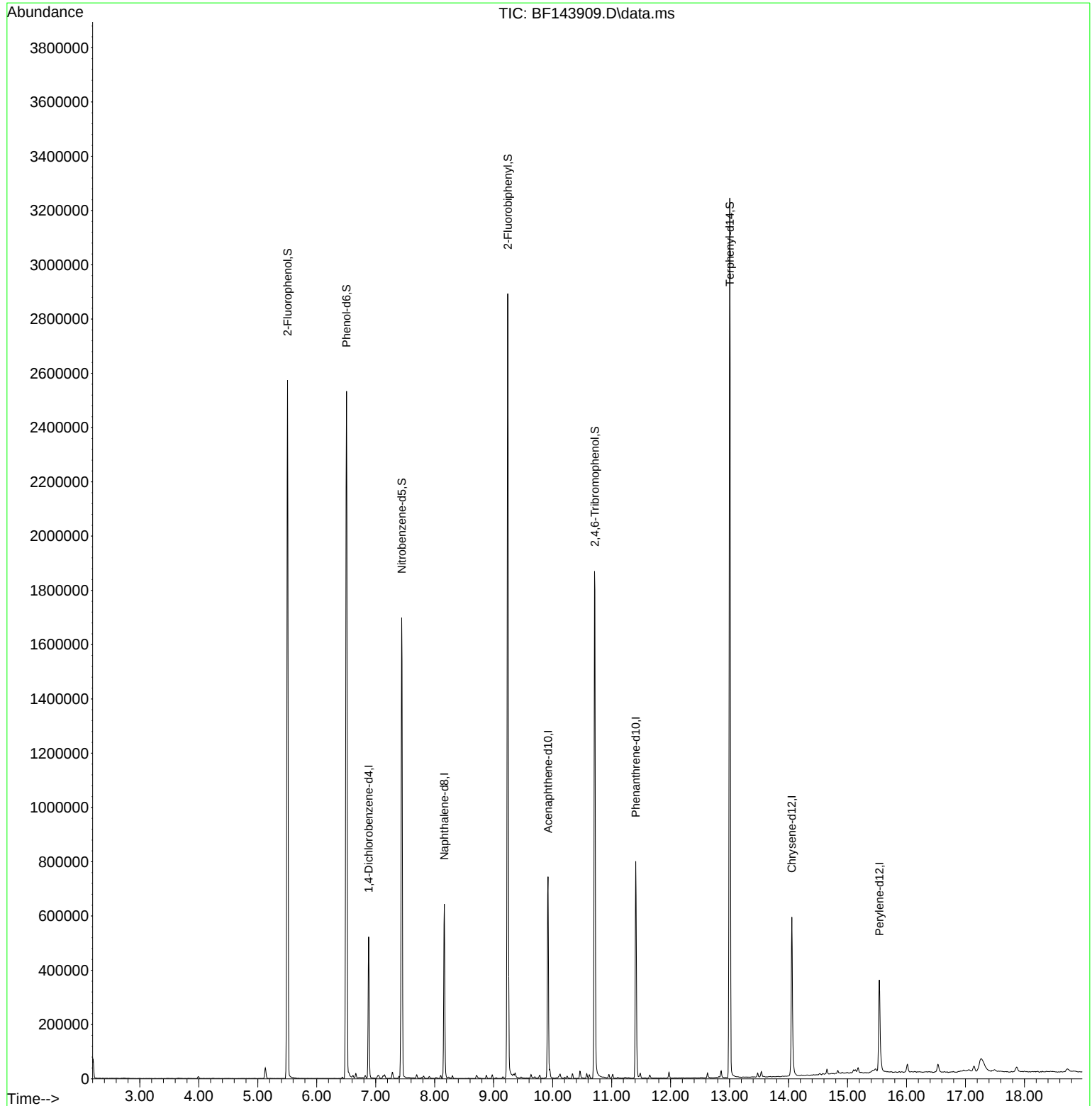
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

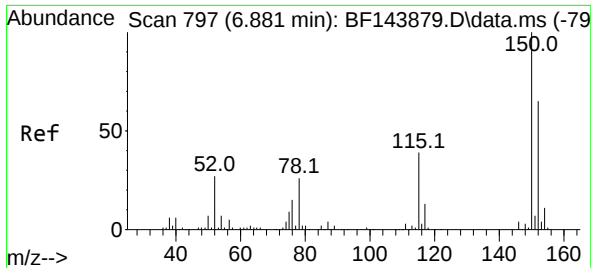
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 06 15:29:47 2025  
Response via : Initial Calibration

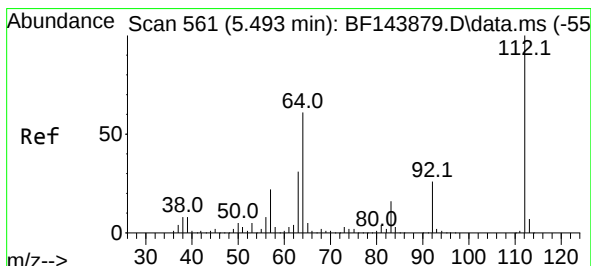
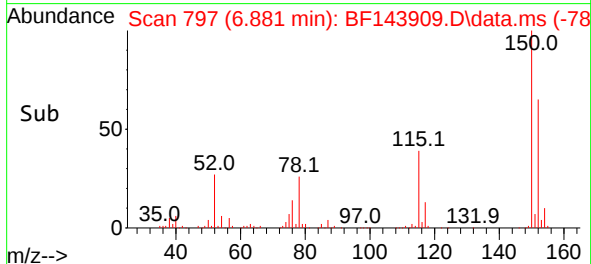
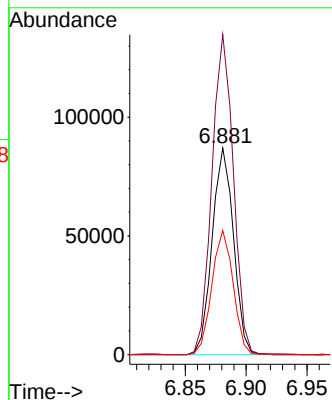
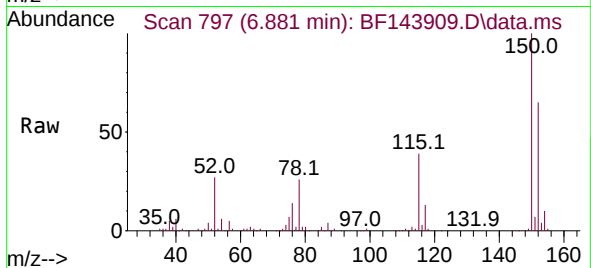




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.881 min Scan# 79  
 Delta R.T. -0.005 min  
 Lab File: BF143909.D  
 Acq: 09 Oct 2025 15:18

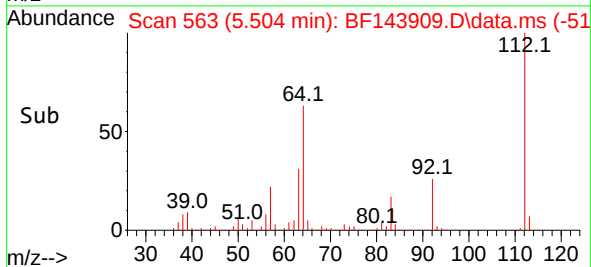
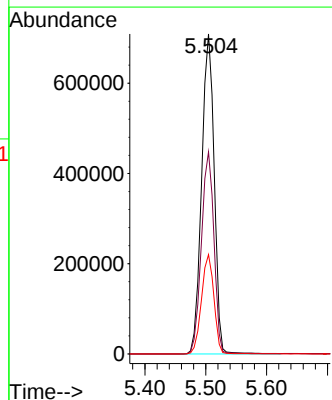
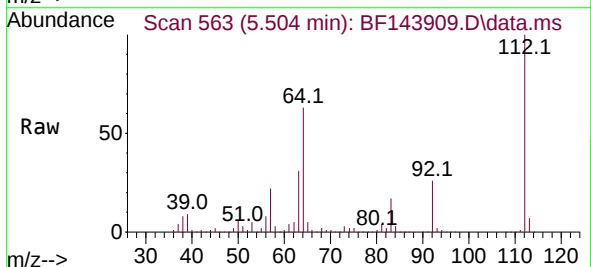
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB170041BL

Tgt Ion:152 Resp: 106153  
 Ion Ratio Lower Upper  
 152 100  
 150 154.9 124.4 186.6  
 115 60.1 48.1 72.1



#5  
 2-Fluorophenol  
 Concen: 151.580 ng  
 RT: 5.504 min Scan# 563  
 Delta R.T. 0.006 min  
 Lab File: BF143909.D  
 Acq: 09 Oct 2025 15:18

Tgt Ion:112 Resp: 1013273  
 Ion Ratio Lower Upper  
 112 100  
 64 63.1 49.1 73.7  
 63 31.0 24.5 36.7



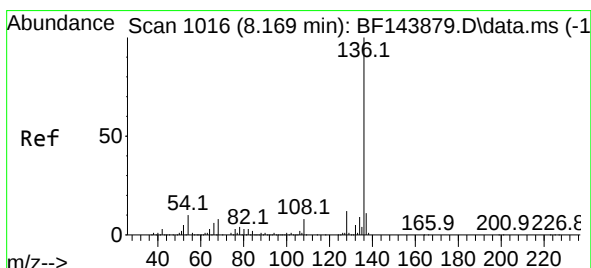
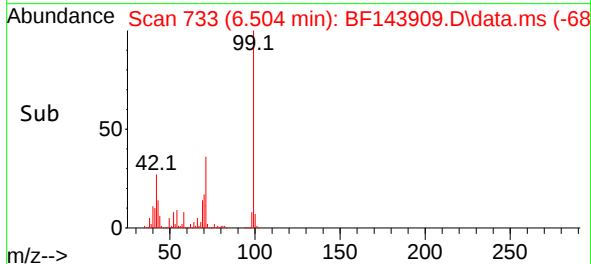
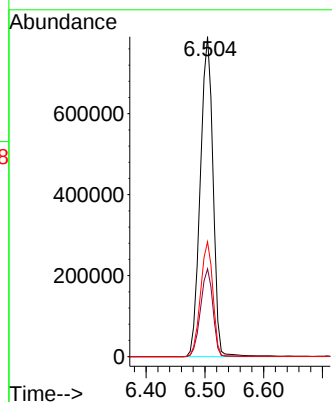
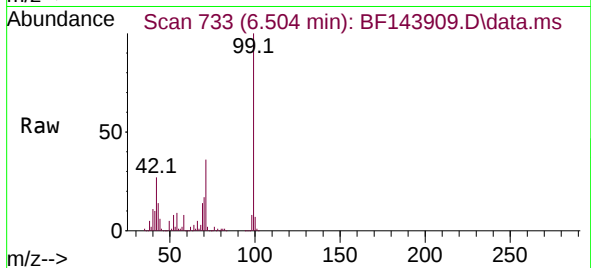


#7  
Phenol-d6  
Concen: 148.945 ng  
RT: 6.504 min Scan# 733  
Delta R.T. -0.012 min  
Lab File: BF143909.D  
Acq: 09 Oct 2025 15:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB170041BL

Tgt Ion: 99 Resp: 1186780

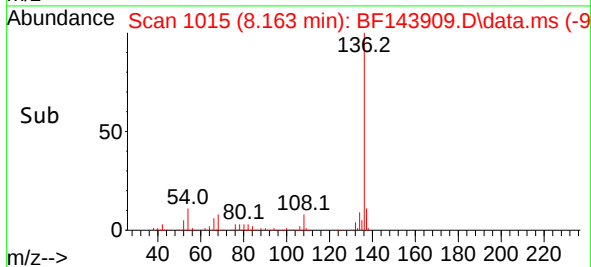
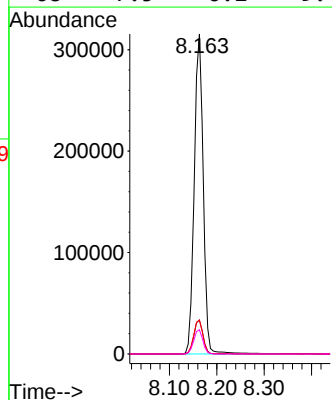
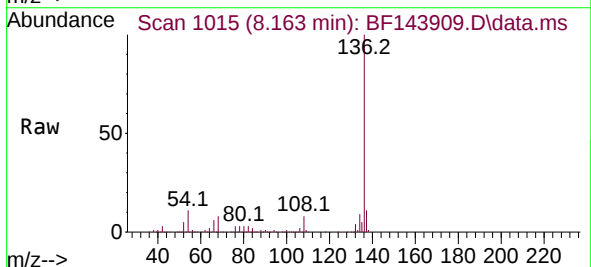
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 27.4  | 21.0  | 31.4  |
| 71  | 35.9  | 27.8  | 41.8  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.163 min Scan# 1015  
Delta R.T. -0.006 min  
Lab File: BF143909.D  
Acq: 09 Oct 2025 15:18

Tgt Ion:136 Resp: 416782

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.6  | 8.5   | 12.7  |
| 54  | 10.6  | 8.2   | 12.4  |
| 68  | 7.5   | 6.2   | 9.4   |





#23

Nitrobenzene-d5

Concen: 111.170 ng

RT: 7.440 min Scan# 89

Delta R.T. -0.017 min

Lab File: BF143909.D

Acq: 09 Oct 2025 15:18

Instrument :

BNA\_F

ClientSampleId :

PB170041BL

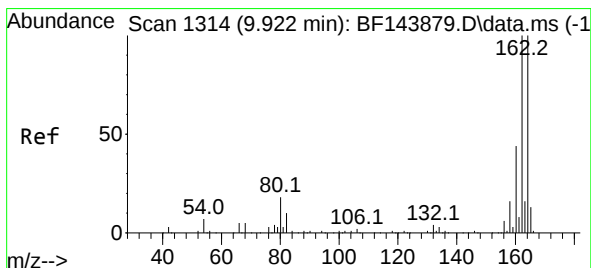
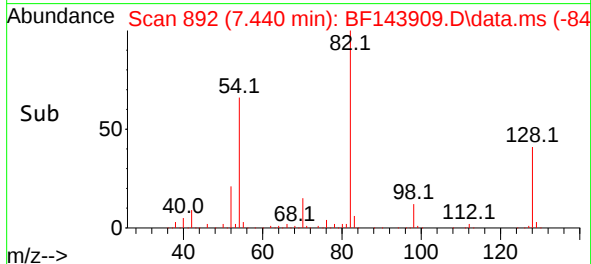
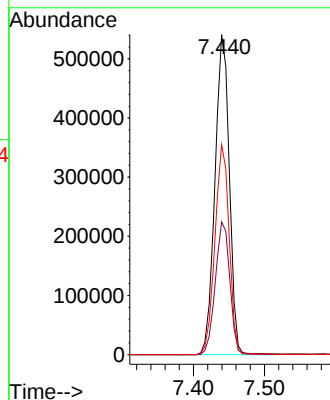
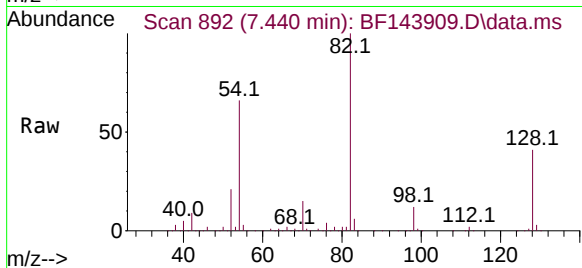
Tgt Ion: 82 Resp: 762636

Ion Ratio Lower Upper

82 100

128 41.5 34.0 51.0

54 65.6 53.2 79.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF143909.D

Acq: 09 Oct 2025 15:18

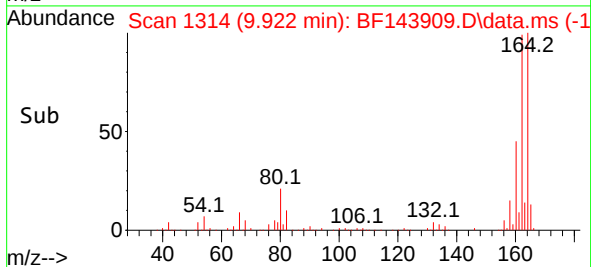
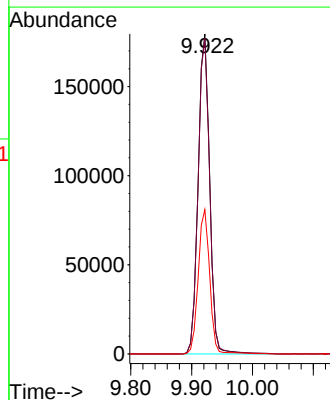
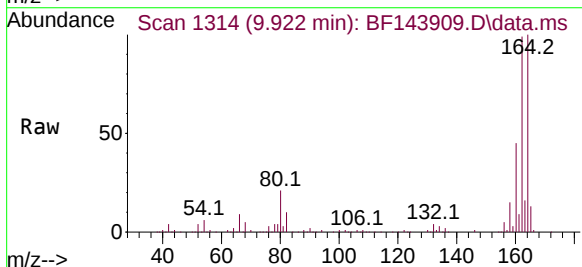
Tgt Ion:164 Resp: 235593

Ion Ratio Lower Upper

164 100

162 98.6 80.2 120.2

160 45.1 35.4 53.0

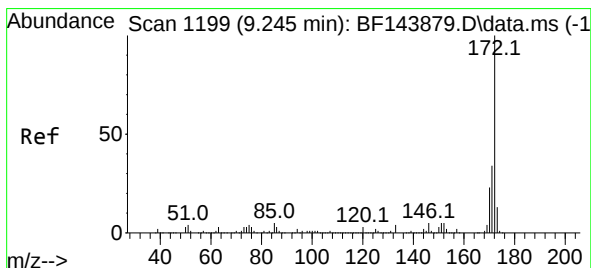
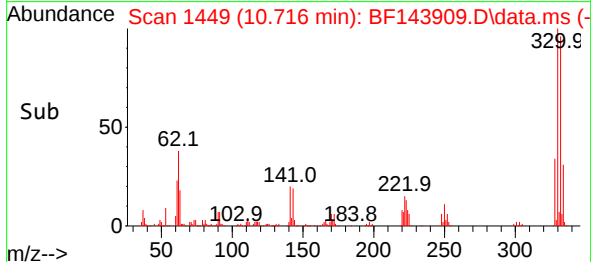
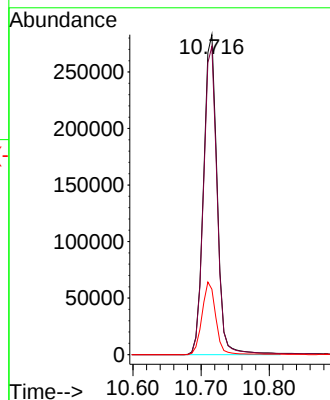
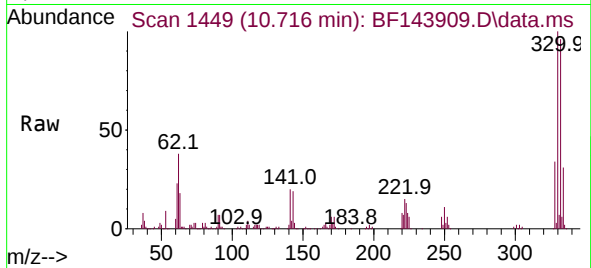




#42  
 2,4,6-Tribromophenol  
 Concen: 166.624 ng  
 RT: 10.716 min Scan# 1449  
 Delta R.T. -0.006 min  
 Lab File: BF143909.D  
 Acq: 09 Oct 2025 15:18

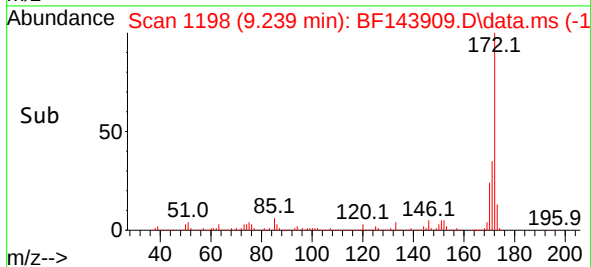
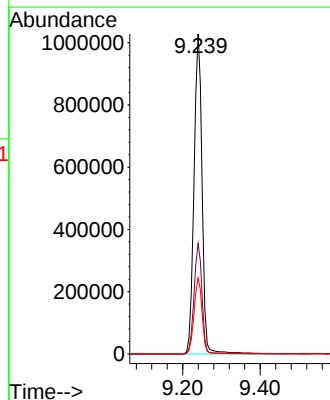
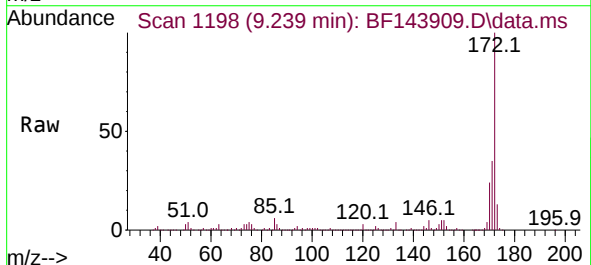
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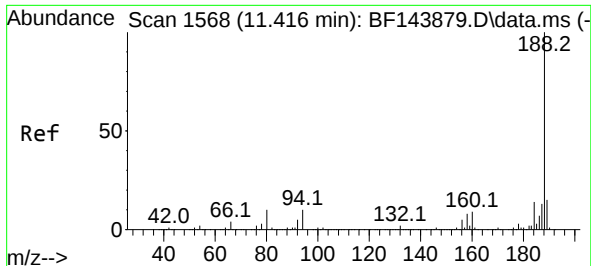
Tgt Ion: 330 Resp: 390991  
 Ion Ratio Lower Upper  
 330 100  
 332 97.5 76.9 115.3  
 141 23.3 20.2 30.4



#45  
 2-Fluorobiphenyl  
 Concen: 100.148 ng  
 RT: 9.239 min Scan# 1198  
 Delta R.T. -0.012 min  
 Lab File: BF143909.D  
 Acq: 09 Oct 2025 15:18

Tgt Ion: 172 Resp: 1486964  
 Ion Ratio Lower Upper  
 172 100  
 171 34.5 27.4 41.0  
 170 23.7 18.6 28.0

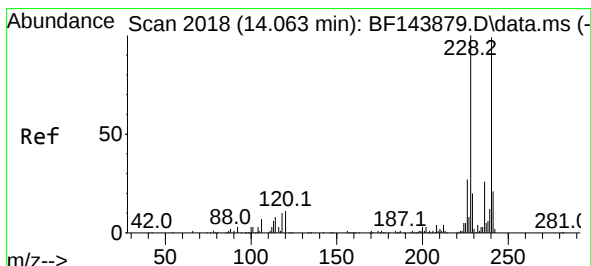
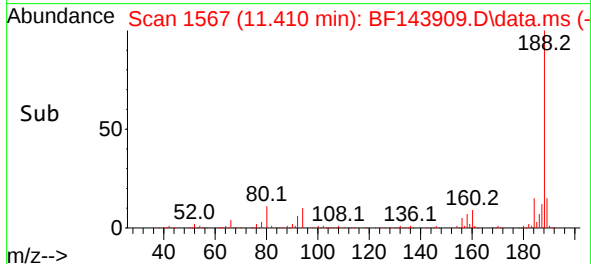
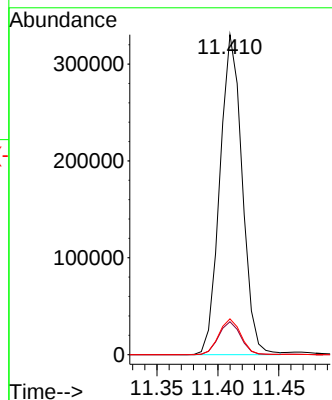
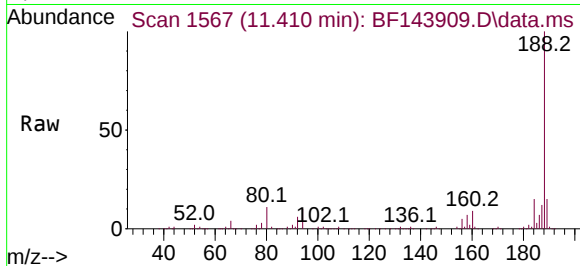




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF143909.D  
Acq: 09 Oct 2025 15:18

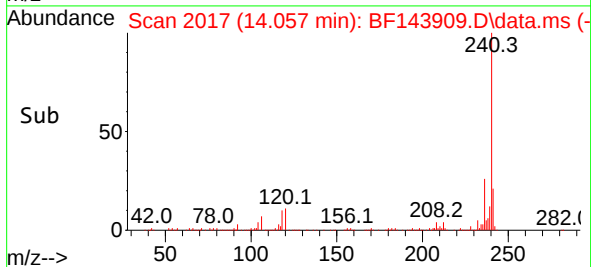
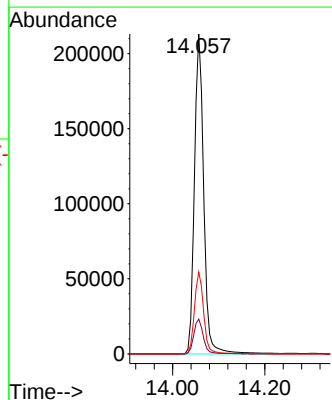
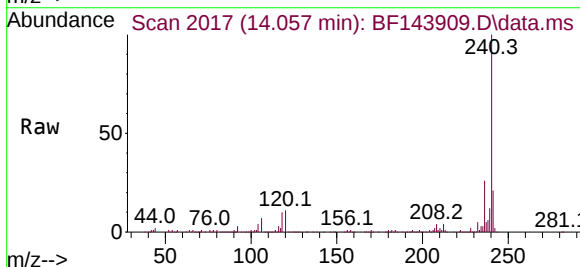
Instrument :  
BNA\_F  
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PB170041BL

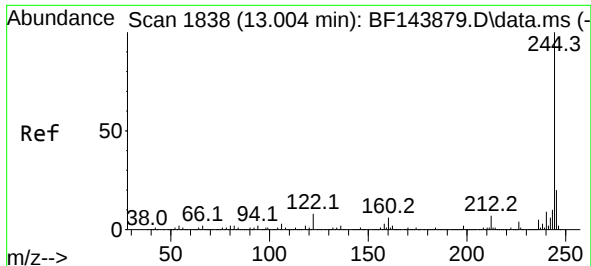
Tgt Ion:188 Resp: 421234  
Ion Ratio Lower Upper  
188 100  
94 10.3 7.8 11.6  
80 11.2 7.9 11.9



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.057 min Scan# 2017  
Delta R.T. -0.011 min  
Lab File: BF143909.D  
Acq: 09 Oct 2025 15:18

Tgt Ion:240 Resp: 298312  
Ion Ratio Lower Upper  
240 100  
120 10.9 8.6 13.0  
236 25.6 21.1 31.7

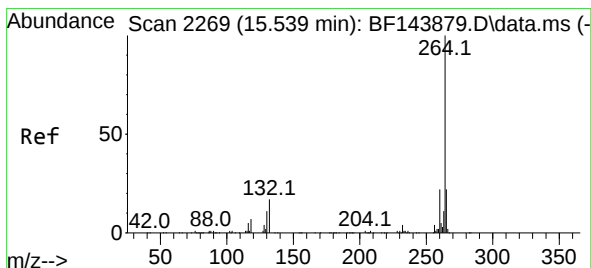
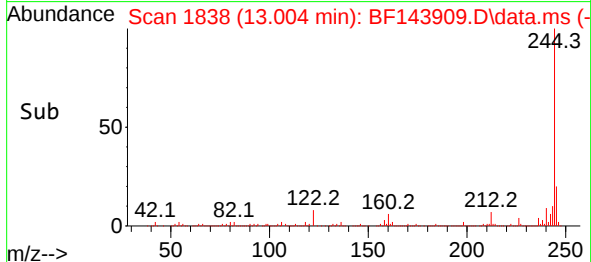
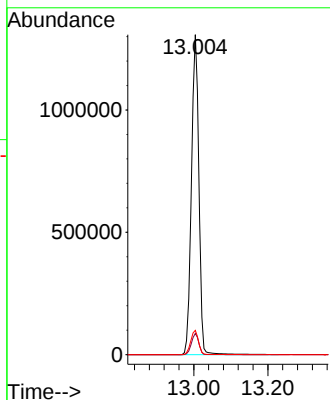
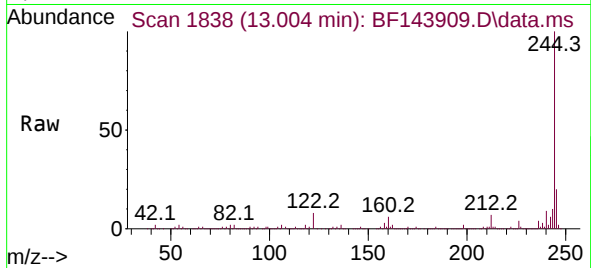




#79  
 Terphenyl-d14  
 Concen: 103.748 ng  
 RT: 13.004 min Scan# 1838  
 Delta R.T. -0.006 min  
 Lab File: BF143909.D  
 Acq: 09 Oct 2025 15:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB170041BL

Tgt Ion:244 Resp: 1810874  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.4 8.0  
 122 7.6 6.4 9.6



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.539 min Scan# 2269  
 Delta R.T. -0.006 min  
 Lab File: BF143909.D  
 Acq: 09 Oct 2025 15:18

Tgt Ion:264 Resp: 245587  
 Ion Ratio Lower Upper  
 264 100  
 260 22.1 17.8 26.8  
 265 21.0 17.5 26.3

