

Data Path : T:\svoasrv\HPCHEM1\BNA\_F\Data\BF032425\  
 Data File : BF142047.D  
 Acq On : 24 Mar 2025 11:27  
 Operator : RC/JU  
 Sample : Q1597-02  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1-CONCRETE-SLAB

Quant Time: Mar 24 12:07:11 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 10 15:46:22 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.875  | 152  | 146748   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.157  | 136  | 572909   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.910  | 164  | 316948   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.398 | 188  | 508759   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.033 | 240  | 295320   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.510 | 264  | 307959   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.504  | 112  | 1146205  | 130.357 | ng    | 0.01     |
| 7) Phenol-d6                | 6.504  | 99   | 1301127  | 116.222 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.439  | 82   | 1002962  | 98.519  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.698 | 330  | 618616   | 153.850 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.228  | 172  | 2044083  | 98.081  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.980 | 244  | 2063372  | 103.298 | ng    | 0.00     |

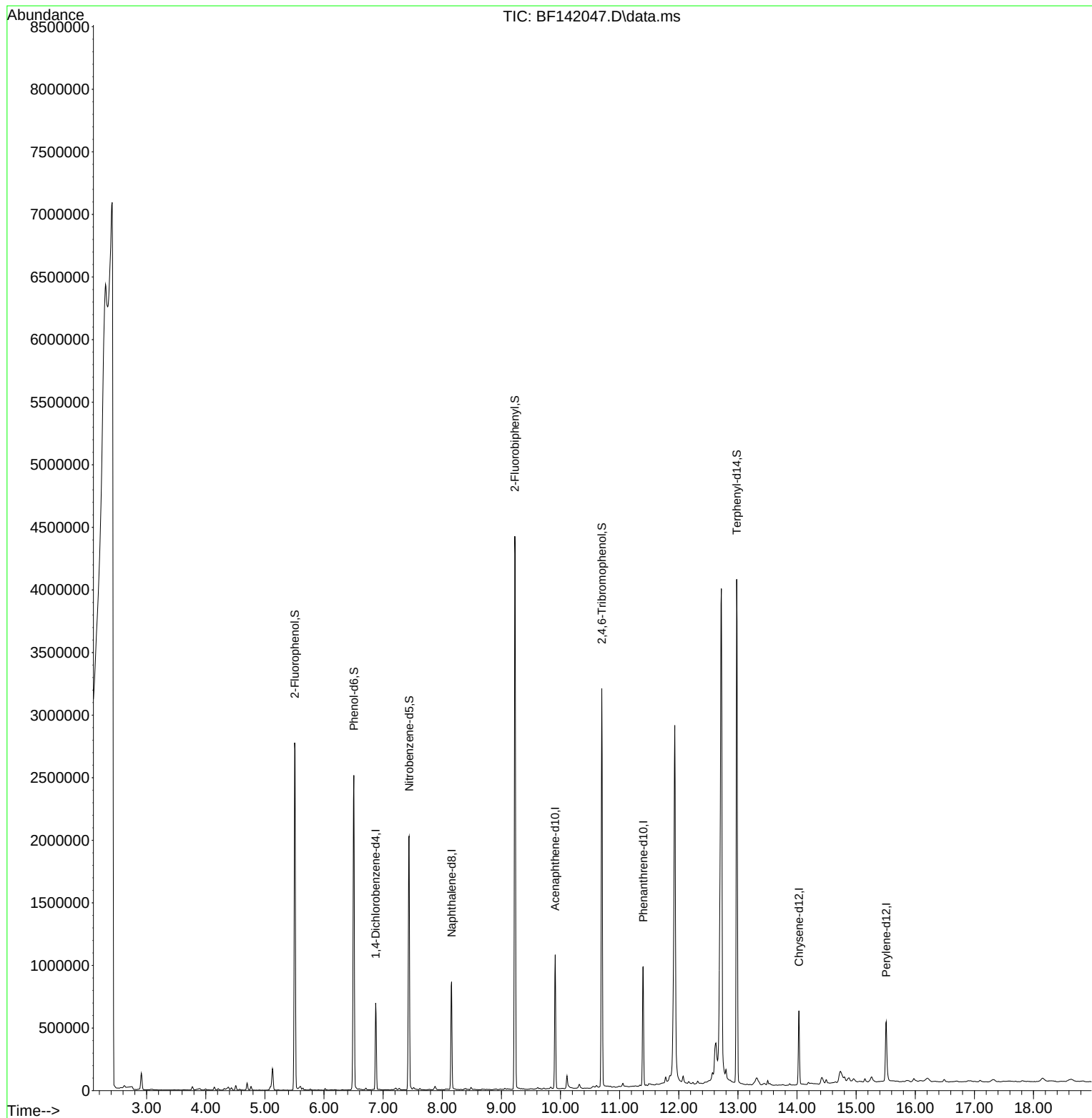
Target Compounds Qvalue

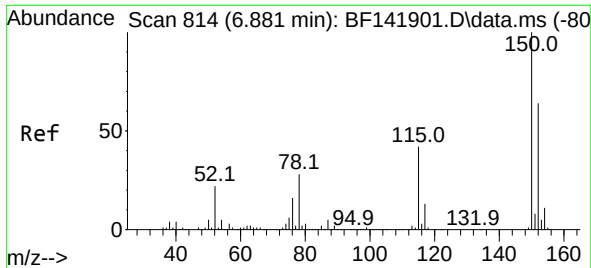
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 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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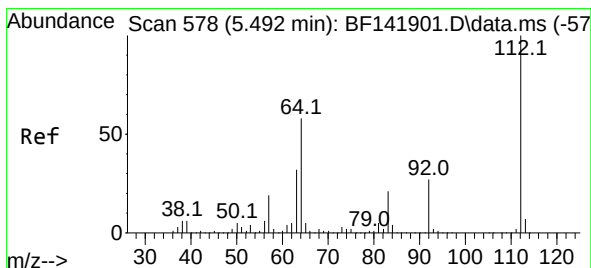
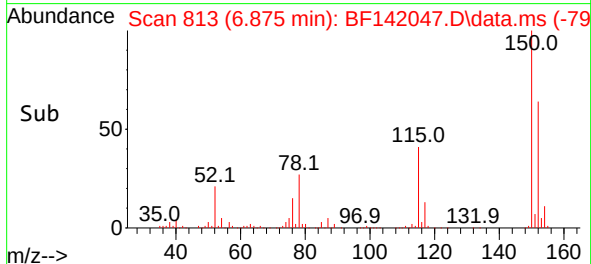
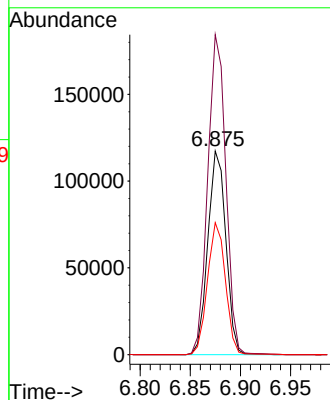
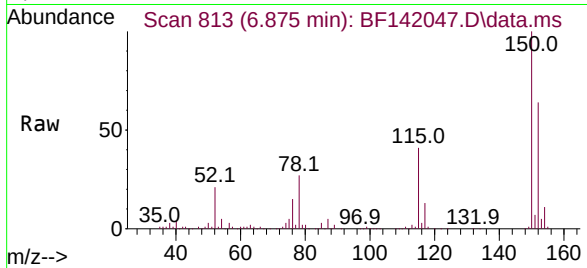




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF142047.D  
Acq: 24 Mar 2025 11:27

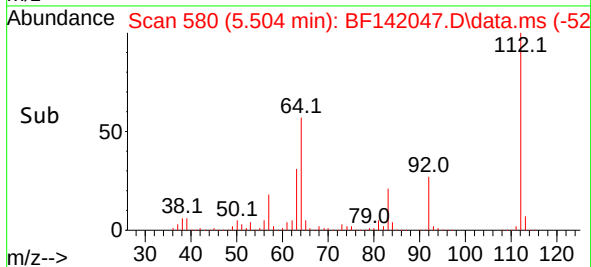
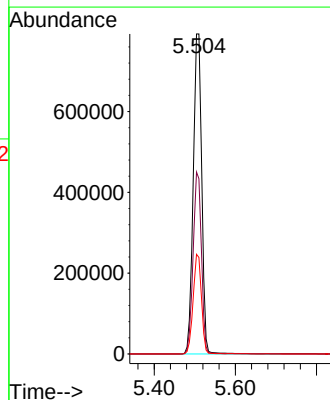
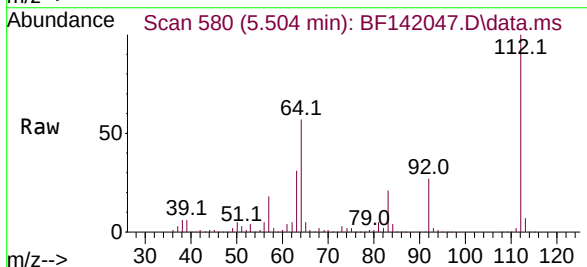
Instrument :  
BNA\_F  
ClientSampleId :  
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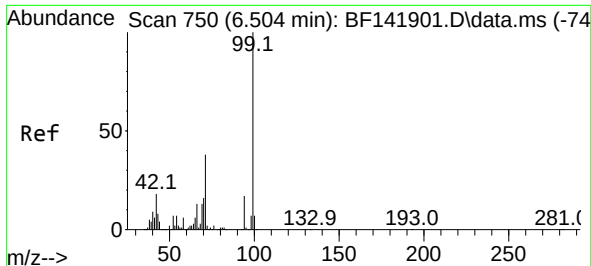
Tgt Ion:152 Resp: 146748  
Ion Ratio Lower Upper  
152 100  
150 157.2 127.4 191.2  
115 64.8 51.9 77.9



#5  
2-Fluorophenol  
Concen: 130.357 ng  
RT: 5.504 min Scan# 580  
Delta R.T. 0.012 min  
Lab File: BF142047.D  
Acq: 24 Mar 2025 11:27

Tgt Ion:112 Resp: 1146205  
Ion Ratio Lower Upper  
112 100  
64 56.8 46.5 69.7  
63 31.1 25.4 38.2

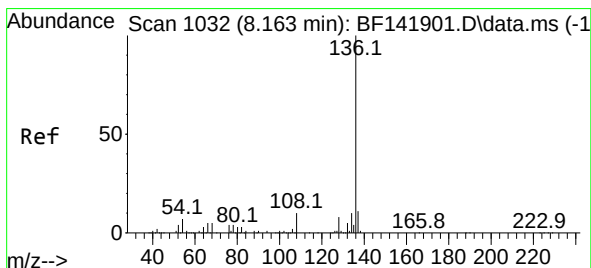
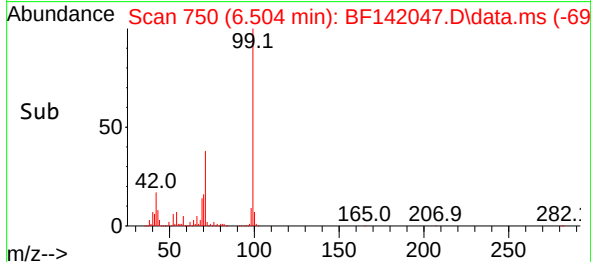
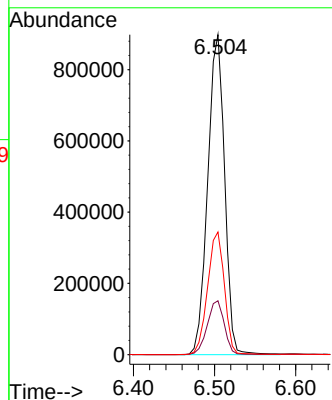
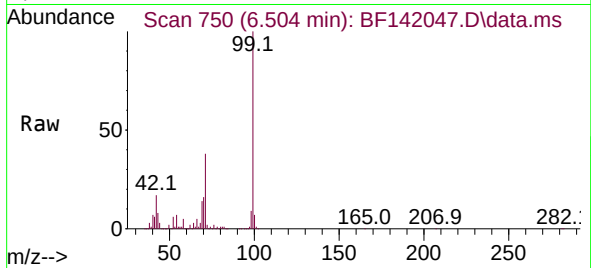




#7  
Phenol-d6  
Concen: 116.222 ng  
RT: 6.504 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF142047.D  
Acq: 24 Mar 2025 11:27

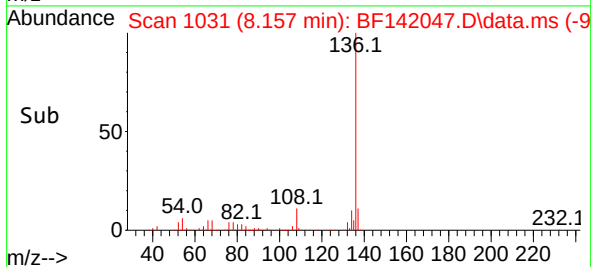
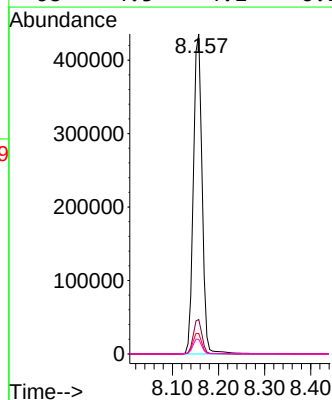
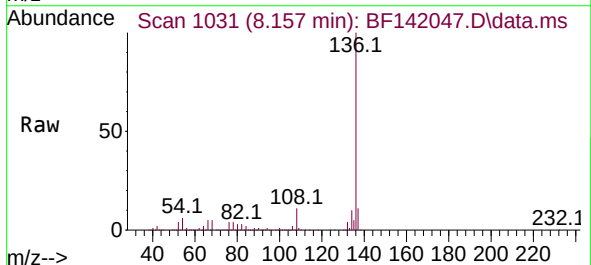
Instrument :  
BNA\_F  
ClientSampleId :  
1-CONCRETE-SLAB

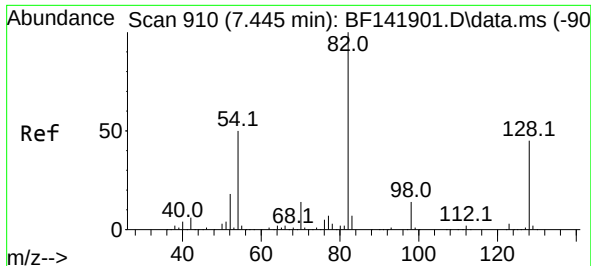
Tgt Ion: 99 Resp: 1301127  
Ion Ratio Lower Upper  
99 100  
42 16.8 14.6 21.8  
71 38.3 30.8 46.2



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF142047.D  
Acq: 24 Mar 2025 11:27

Tgt Ion:136 Resp: 572909  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.8 13.2  
54 6.4 5.8 8.8  
68 4.5 4.1 6.1





#23

Nitrobenzene-d5

Concen: 98.519 ng

RT: 7.439 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF142047.D

Acq: 24 Mar 2025 11:27

Instrument :

BNA\_F

ClientSampleId :

1-CONCRETE-SLAB

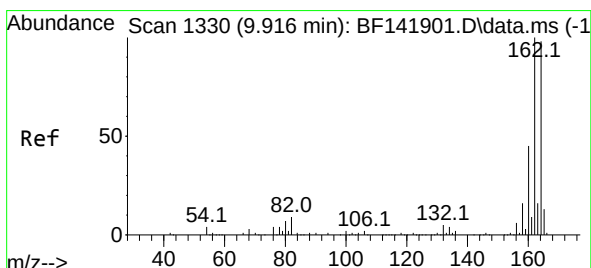
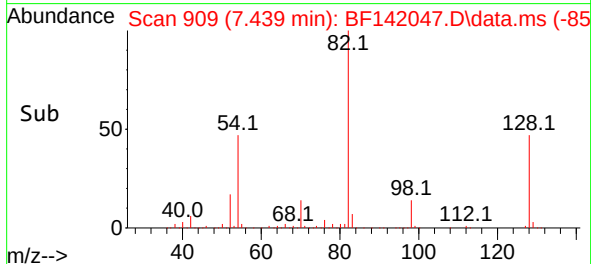
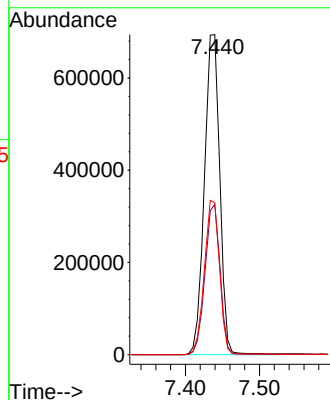
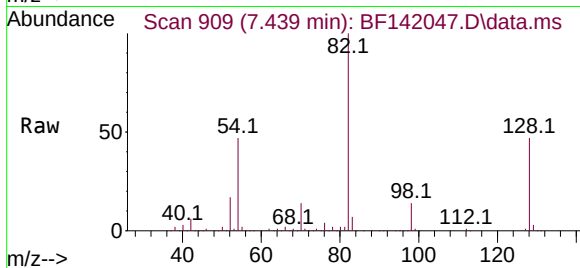
Tgt Ion: 82 Resp: 1002962

Ion Ratio Lower Upper

82 100

128 46.9 36.0 54.0

54 47.4 39.6 59.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF142047.D

Acq: 24 Mar 2025 11:27

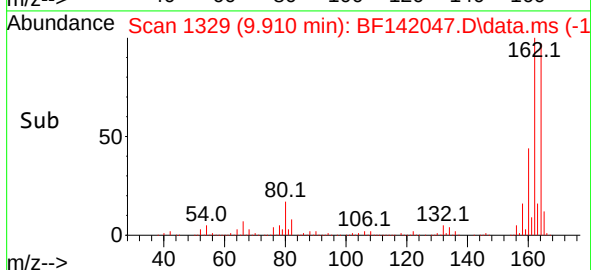
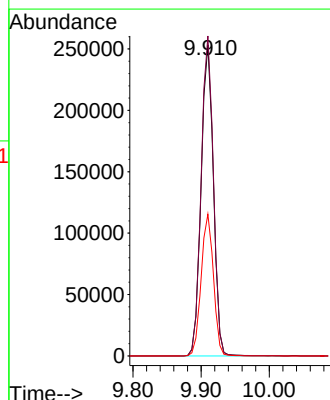
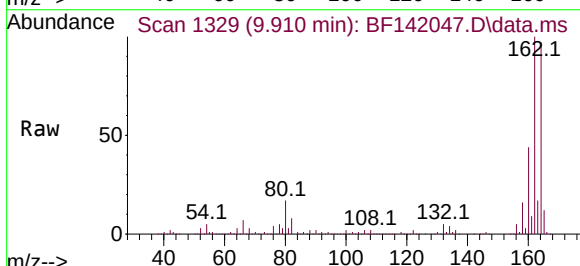
Tgt Ion:164 Resp: 316948

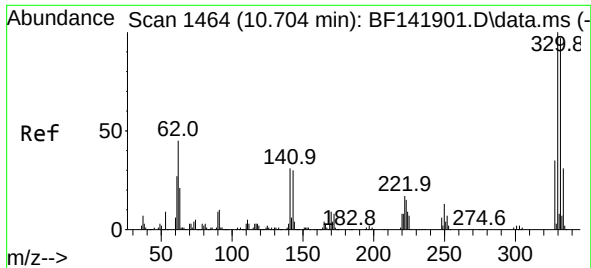
Ion Ratio Lower Upper

164 100

162 102.9 81.8 122.6

160 45.6 36.7 55.1

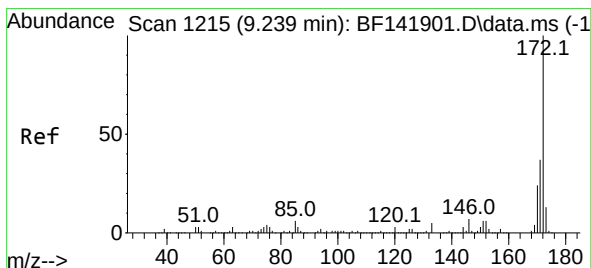
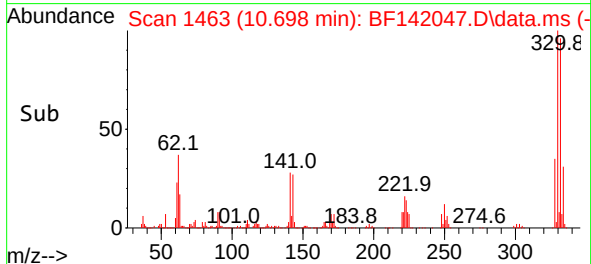
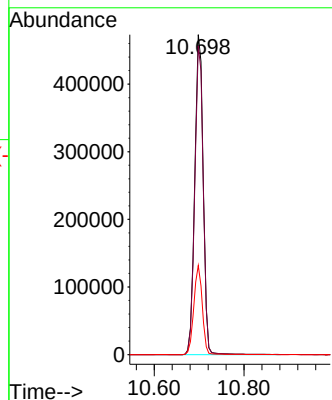
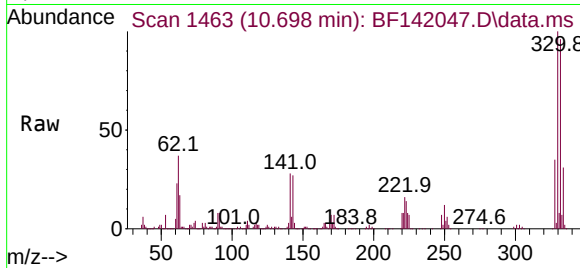




#42  
 2,4,6-Tribromophenol  
 Concen: 153.850 ng  
 RT: 10.698 min Scan# 1463  
 Delta R.T. -0.006 min  
 Lab File: BF142047.D  
 Acq: 24 Mar 2025 11:27

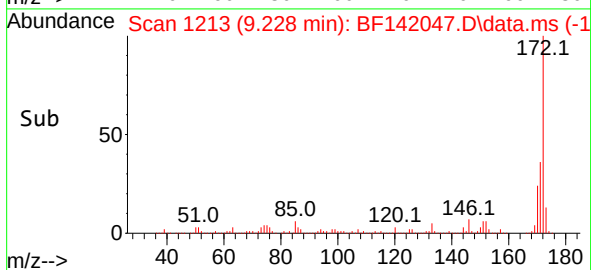
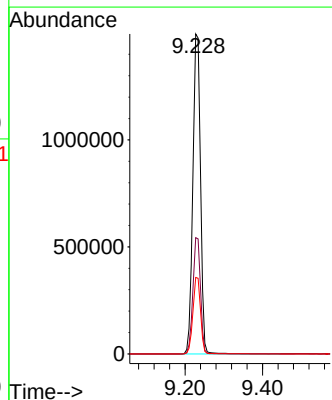
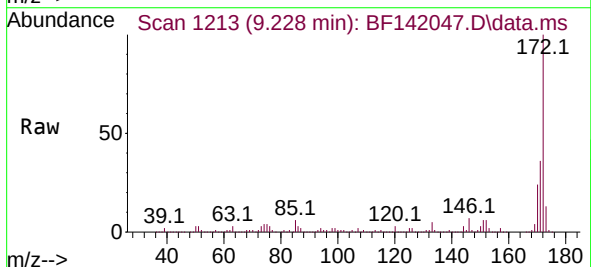
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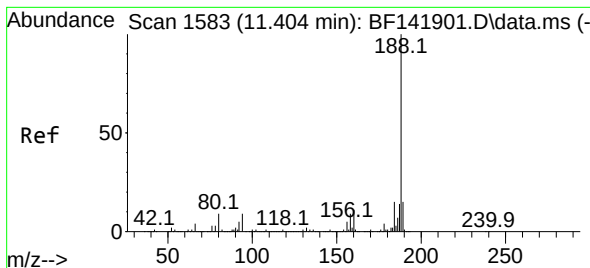
Tgt Ion:330 Resp: 618616  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 77.6 116.4  
 141 27.8 24.7 37.1



#45  
 2-Fluorobiphenyl  
 Concen: 98.081 ng  
 RT: 9.228 min Scan# 1213  
 Delta R.T. -0.012 min  
 Lab File: BF142047.D  
 Acq: 24 Mar 2025 11:27

Tgt Ion:172 Resp: 2044083  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.3 43.9  
 170 23.9 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142047.D

Acq: 24 Mar 2025 11:27

Instrument :

BNA\_F

ClientSampleId :

1-CONCRETE-SLAB

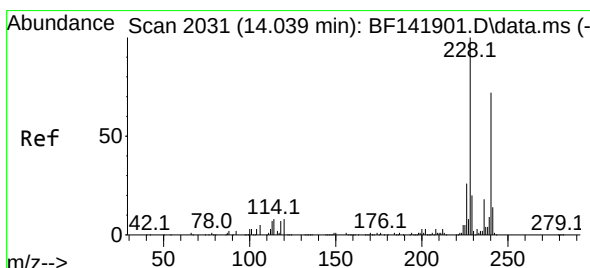
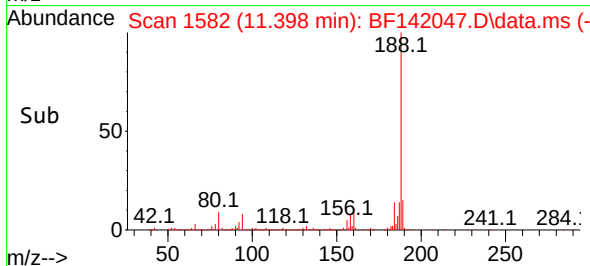
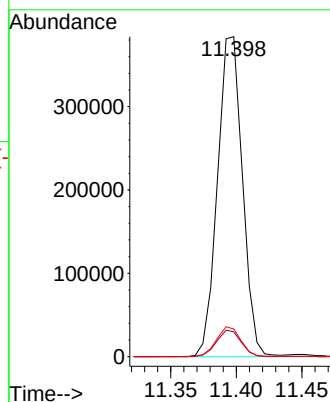
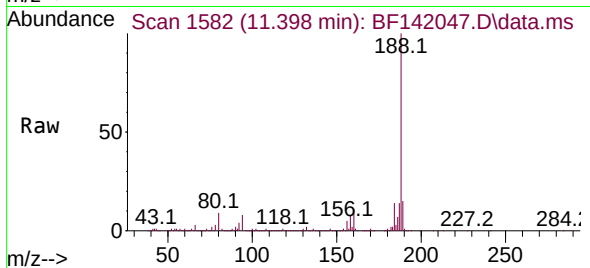
Tgt Ion:188 Resp: 508759

Ion Ratio Lower Upper

188 100

94 7.7 6.8 10.2

80 8.6 7.6 11.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF142047.D

Acq: 24 Mar 2025 11:27

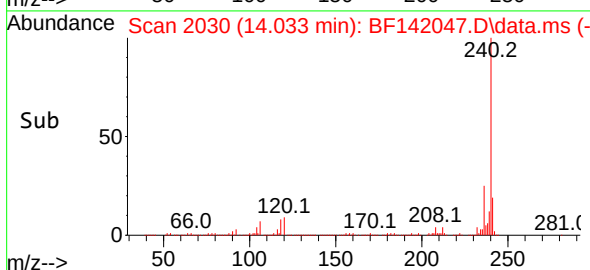
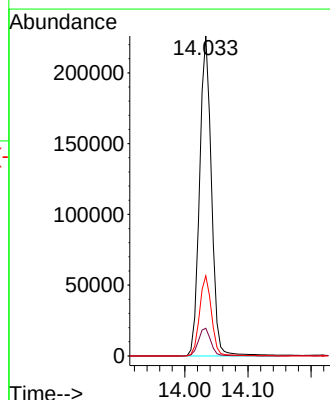
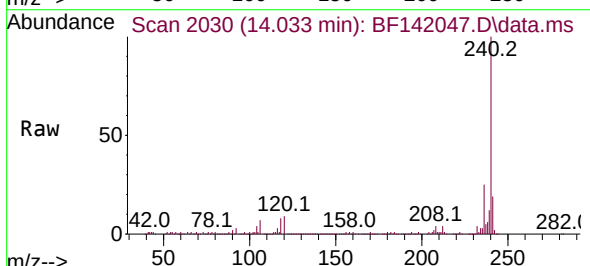
Tgt Ion:240 Resp: 295320

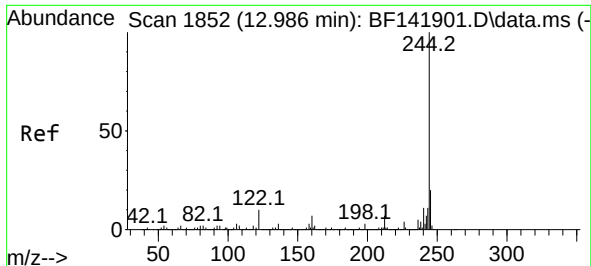
Ion Ratio Lower Upper

240 100

120 8.7 8.4 12.6

236 25.0 20.5 30.7

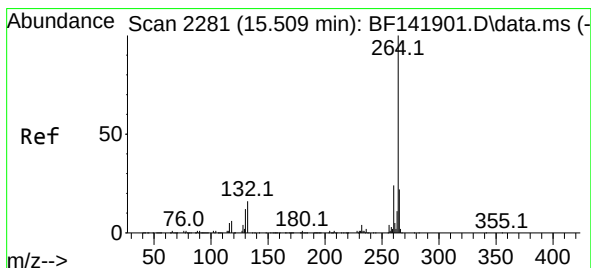
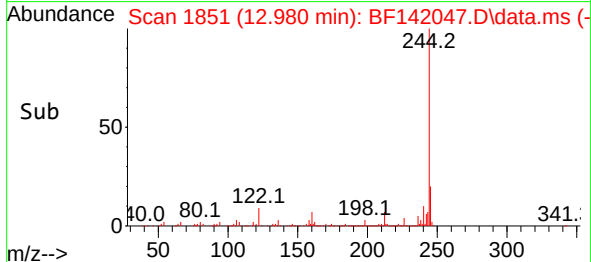
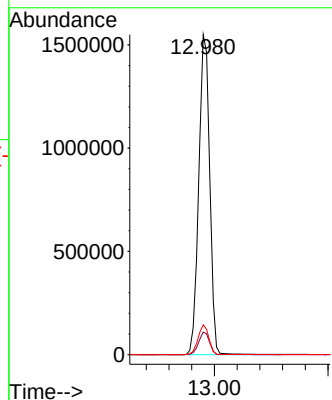
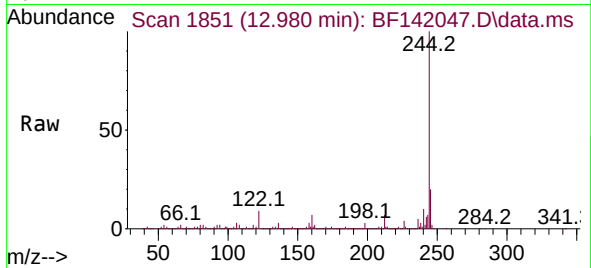




#79  
 Terphenyl-d14  
 Concen: 103.298 ng  
 RT: 12.980 min Scan# 1852  
 Delta R.T. -0.006 min  
 Lab File: BF142047.D  
 Acq: 24 Mar 2025 11:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
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Tgt Ion:244 Resp: 2063372  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.0 9.0  
 122 9.3 7.7 11.5



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.510 min Scan# 2281  
 Delta R.T. 0.000 min  
 Lab File: BF142047.D  
 Acq: 24 Mar 2025 11:27

Tgt Ion:264 Resp: 307959  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 19.1 28.7  
 265 21.3 17.5 26.3

