

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032025\  
 Data File : BF142015.D  
 Acq On : 20 Mar 2025 17:06  
 Operator : RC/JU  
 Sample : Q1606-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHRT24743

Quant Time: Mar 20 17:28:58 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

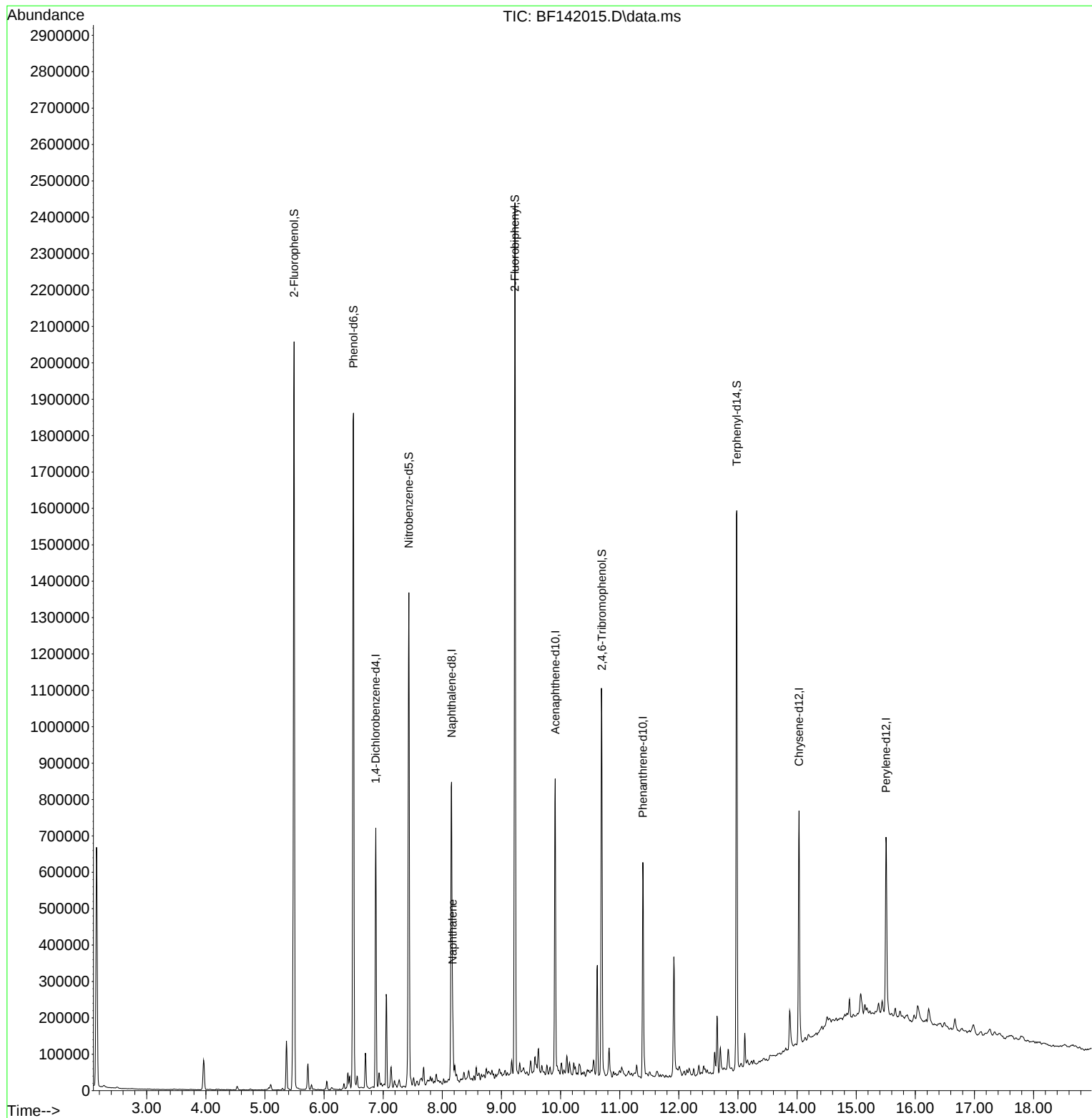
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|--------|------|----------|--------|-------|-----------|
| -----                       |        |      |          |        |       |           |
| Internal Standards          |        |      |          |        |       |           |
| 1) 1,4-Dichlorobenzene-d4   | 6.875  | 152  | 150011   | 20.000 | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.157  | 136  | 539670   | 20.000 | ng    | 0.00      |
| 39) Acenaphthene-d10        | 9.910  | 164  | 242855   | 20.000 | ng    | 0.00      |
| 64) Phenanthrene-d10        | 11.392 | 188  | 308403   | 20.000 | ng    | -0.01     |
| 76) Chrysene-d12            | 14.033 | 240  | 309731   | 20.000 | ng    | 0.00      |
| 86) Perylene-d12            | 15.504 | 264  | 310988   | 20.000 | ng    | 0.00      |
| System Monitoring Compounds |        |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.492  | 112  | 772674   | 85.964 | ng    | 0.00      |
| 7) Phenol-d6                | 6.498  | 99   | 924041   | 80.744 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.434  | 82   | 609115   | 63.518 | ng    | -0.01     |
| 42) 2,4,6-Tribromophenol    | 10.698 | 330  | 192437   | 62.461 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 9.228  | 172  | 1036582  | 64.913 | ng    | -0.01     |
| 79) Terphenyl-d14           | 12.980 | 244  | 797754   | 38.080 | ng    | 0.00      |
| Target Compounds            |        |      |          |        |       |           |
| 31) Naphthalene             | 8.175  | 128  | 93579    | 3.376  | ng    | Qvalue 99 |
| -----                       |        |      |          |        |       |           |

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

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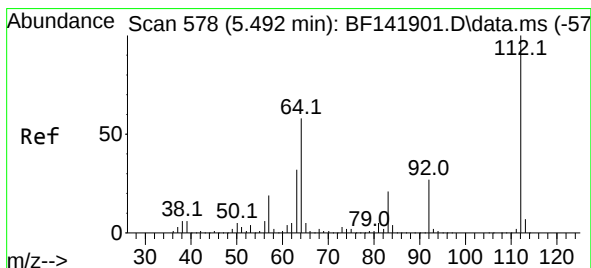
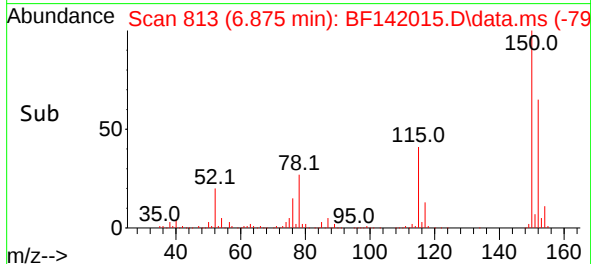
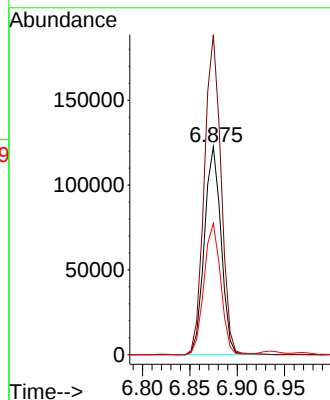
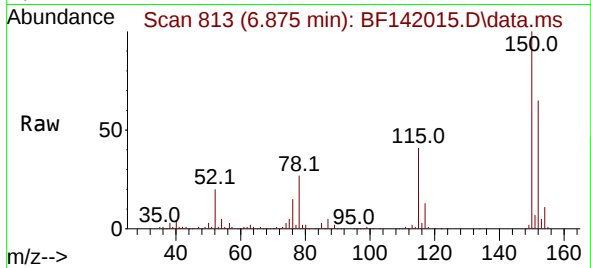




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 814  
Delta R.T. -0.006 min  
Lab File: BF142015.D  
Acq: 20 Mar 2025 17:06

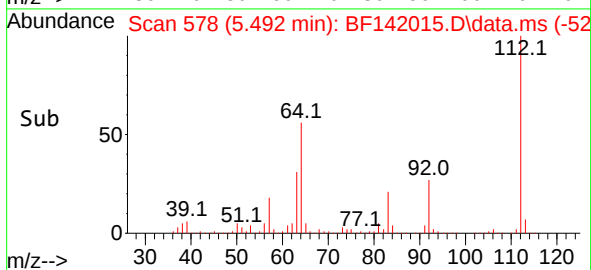
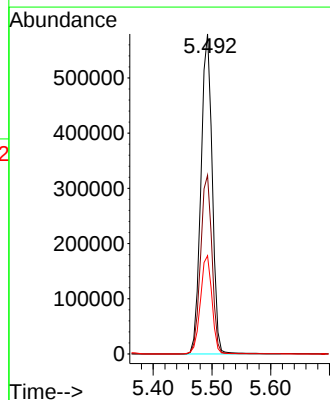
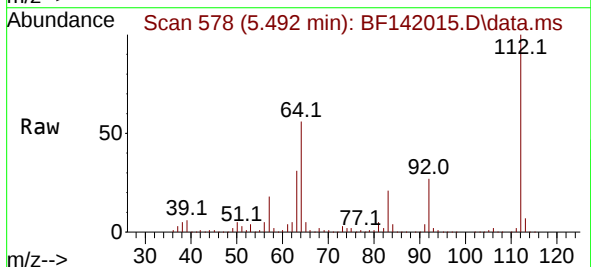
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT24743

Tgt Ion:152 Resp: 150011  
Ion Ratio Lower Upper  
152 100  
150 153.8 127.4 191.2  
115 63.1 51.9 77.9



#5  
2-Fluorophenol  
Concen: 85.964 ng  
RT: 5.492 min Scan# 578  
Delta R.T. 0.000 min  
Lab File: BF142015.D  
Acq: 20 Mar 2025 17:06

Tgt Ion:112 Resp: 772674  
Ion Ratio Lower Upper  
112 100  
64 55.9 46.5 69.7  
63 30.7 25.4 38.2

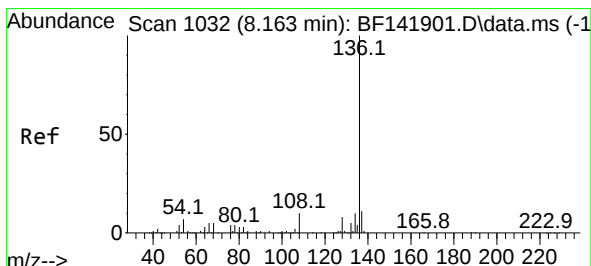
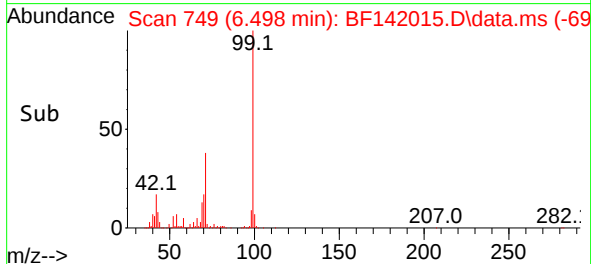
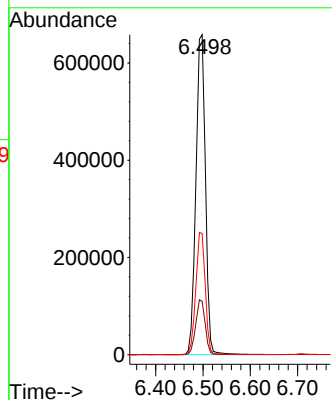
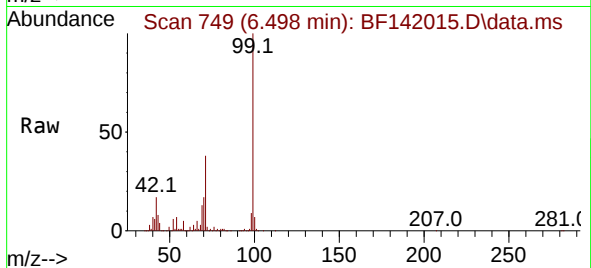




#7  
Phenol-d6  
Concen: 80.744 ng  
RT: 6.498 min Scan# 749  
Delta R.T. -0.006 min  
Lab File: BF142015.D  
Acq: 20 Mar 2025 17:06

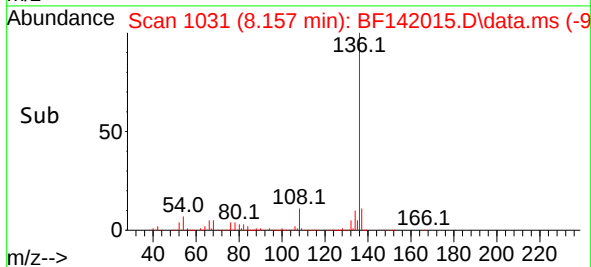
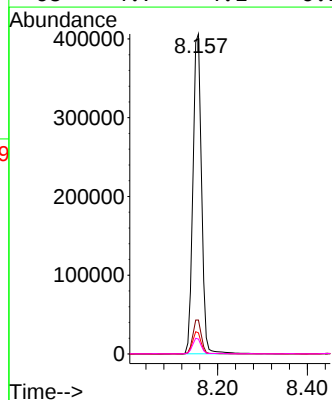
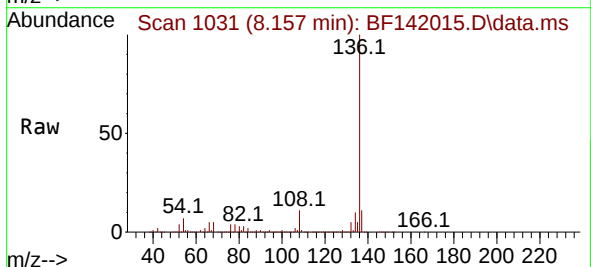
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT24743

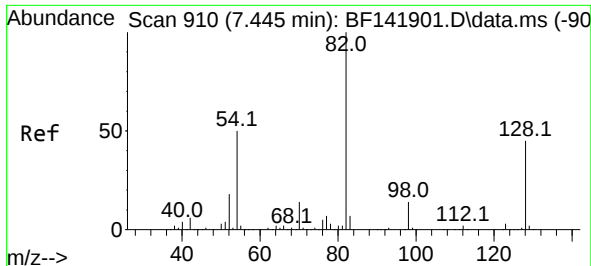
Tgt Ion: 99 Resp: 924041  
Ion Ratio Lower Upper  
99 100  
42 16.7 14.6 21.8  
71 37.9 30.8 46.2



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF142015.D  
Acq: 20 Mar 2025 17:06

Tgt Ion: 136 Resp: 539670  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.8 13.2  
54 6.6 5.8 8.8  
68 4.7 4.1 6.1





#23

Nitrobenzene-d5

Concen: 63.518 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF142015.D

Acq: 20 Mar 2025 17:06

Instrument :

BNA\_F

ClientSampleId :

CHRT24743

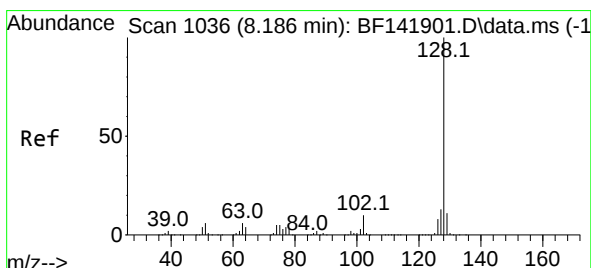
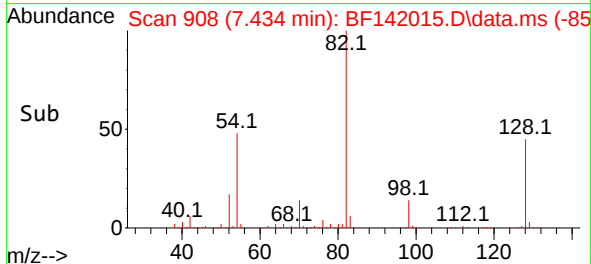
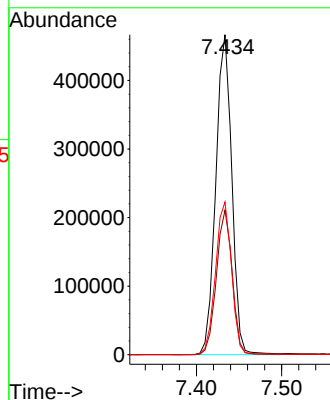
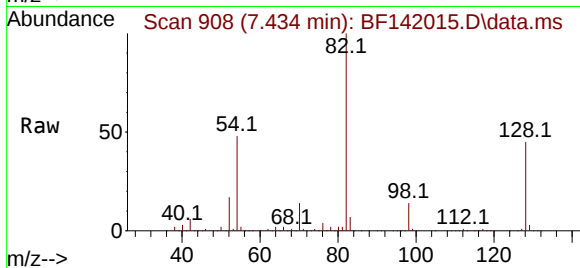
Tgt Ion: 82 Resp: 609115

Ion Ratio Lower Upper

82 100

128 45.2 36.0 54.0

54 47.7 39.6 59.4



#31

Naphthalene

Concen: 3.376 ng

RT: 8.175 min Scan# 1034

Delta R.T. -0.012 min

Lab File: BF142015.D

Acq: 20 Mar 2025 17:06

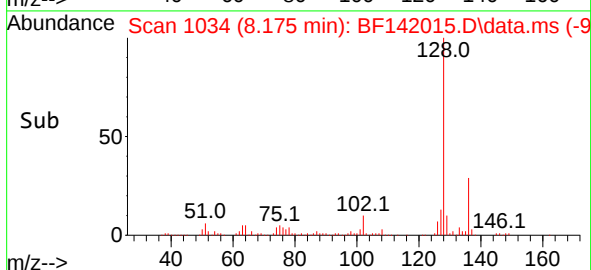
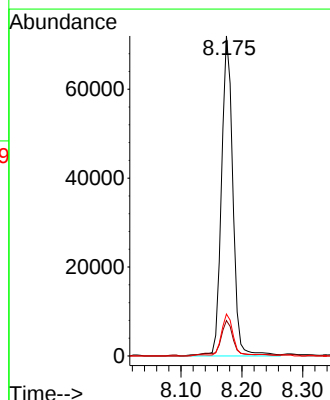
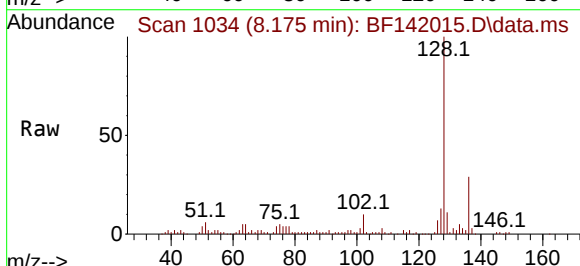
Tgt Ion:128 Resp: 93579

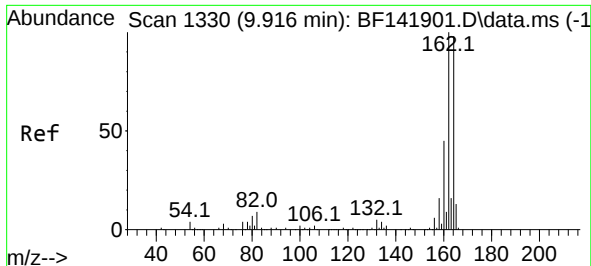
Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

127 13.1 10.8 16.2

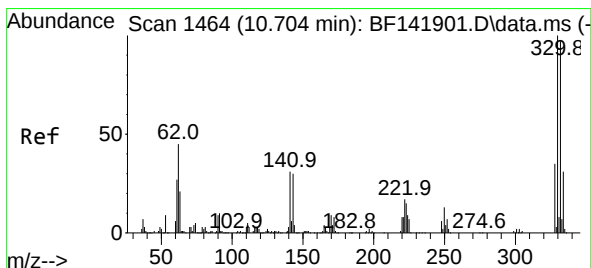
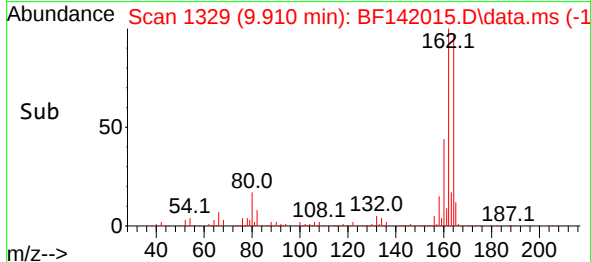
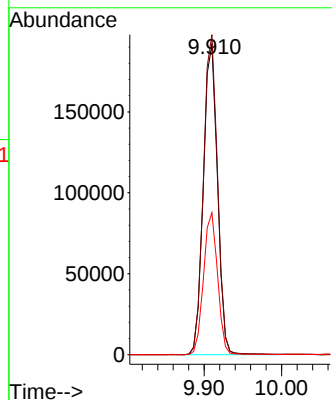
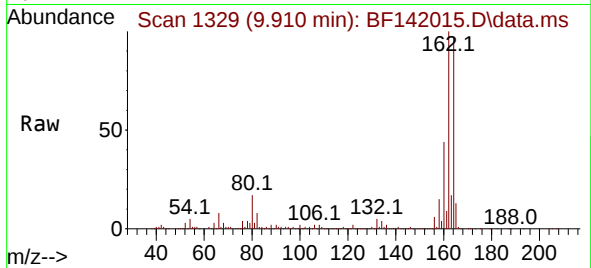




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.910 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF142015.D  
Acq: 20 Mar 2025 17:06

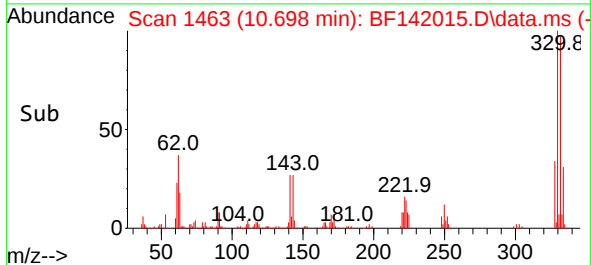
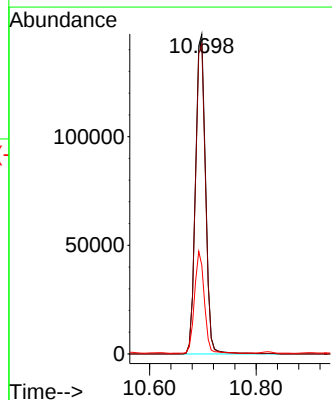
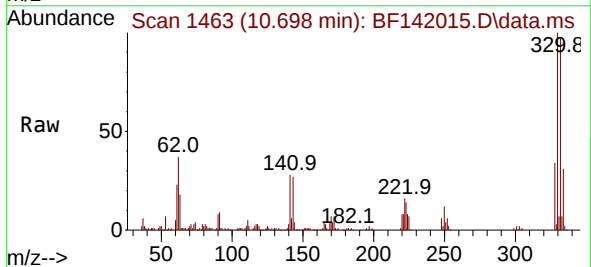
Instrument :  
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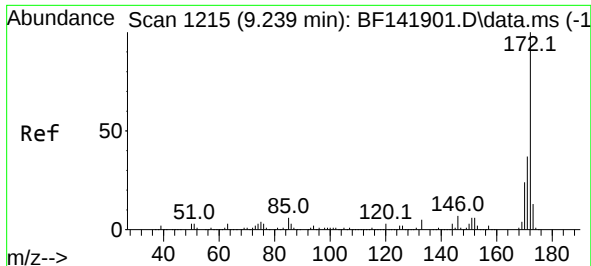
Tgt Ion:164 Resp: 242855  
Ion Ratio Lower Upper  
164 100  
162 103.1 81.8 122.6  
160 45.7 36.7 55.1



#42  
2,4,6-Tribromophenol  
Concen: 62.461 ng  
RT: 10.698 min Scan# 1463  
Delta R.T. -0.006 min  
Lab File: BF142015.D  
Acq: 20 Mar 2025 17:06

Tgt Ion:330 Resp: 192437  
Ion Ratio Lower Upper  
330 100  
332 96.7 77.6 116.4  
141 31.2 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 64.913 ng

RT: 9.228 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142015.D

Acq: 20 Mar 2025 17:06

Instrument :

BNA\_F

ClientSampleId :

CHRT24743

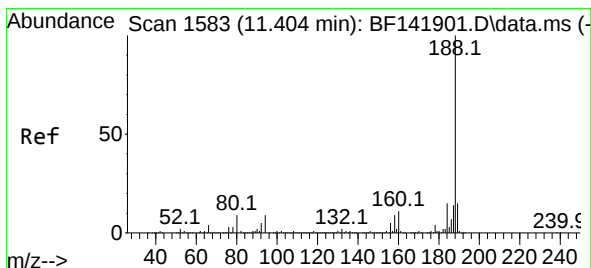
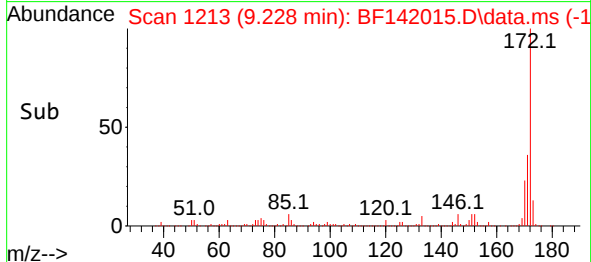
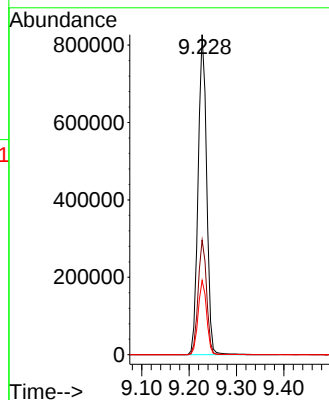
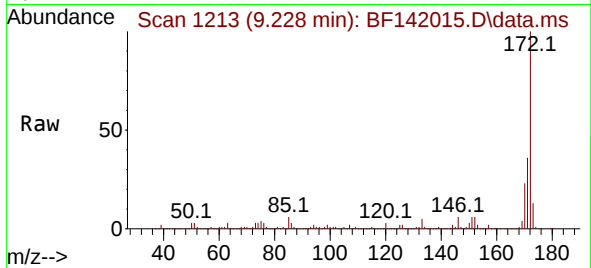
Tgt Ion:172 Resp: 1036582

Ion Ratio Lower Upper

172 100

171 35.8 29.3 43.9

170 23.2 19.4 29.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF142015.D

Acq: 20 Mar 2025 17:06

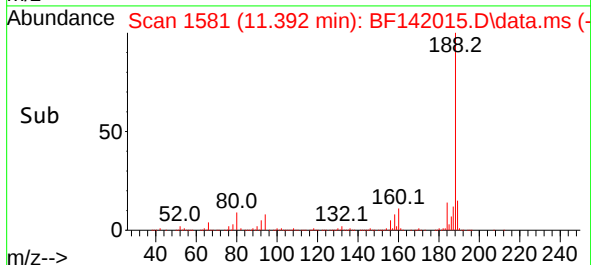
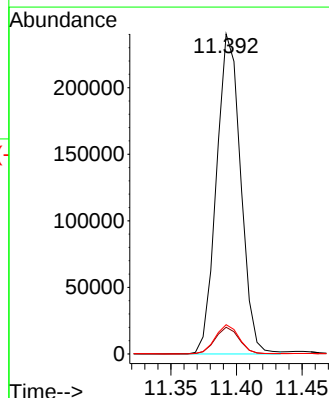
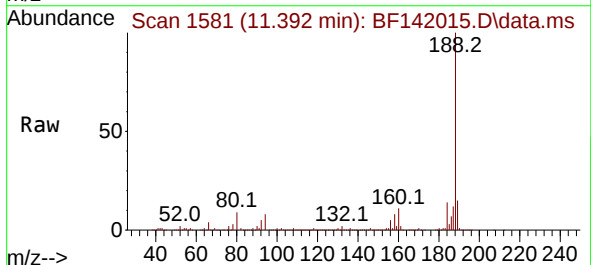
Tgt Ion:188 Resp: 308403

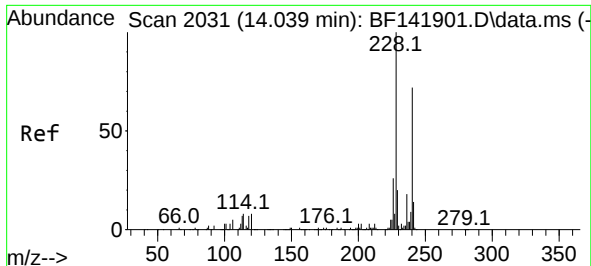
Ion Ratio Lower Upper

188 100

94 8.4 6.8 10.2

80 9.2 7.6 11.4

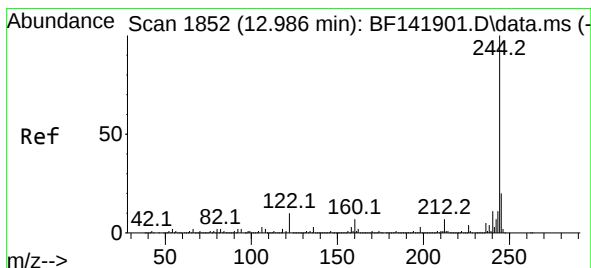
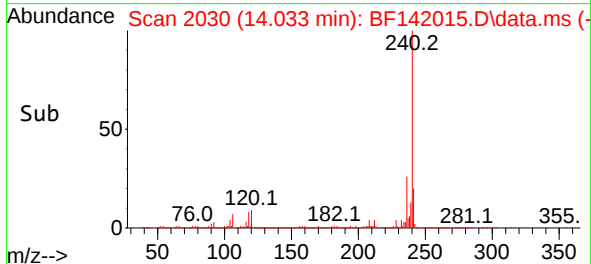
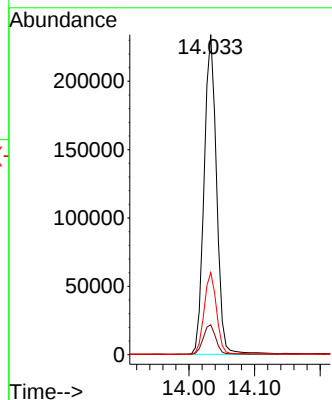
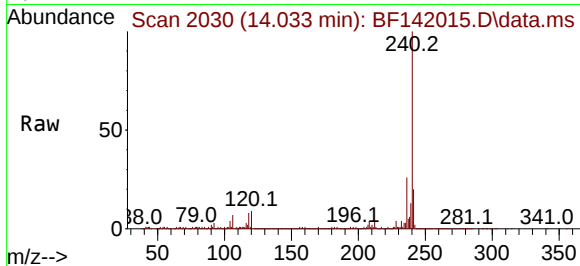




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.033 min Scan# 2031  
Delta R.T. -0.006 min  
Lab File: BF142015.D  
Acq: 20 Mar 2025 17:06

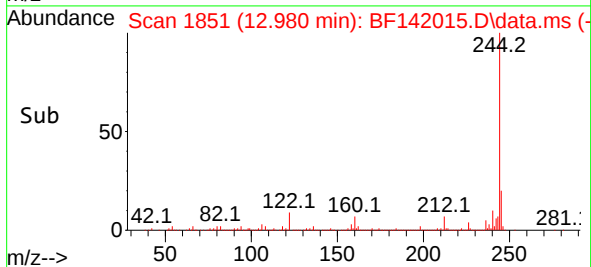
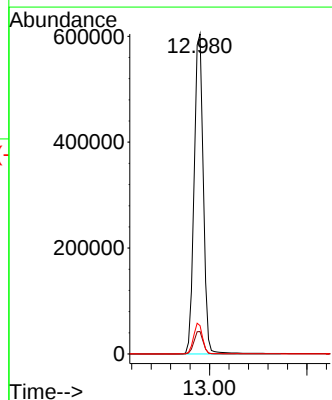
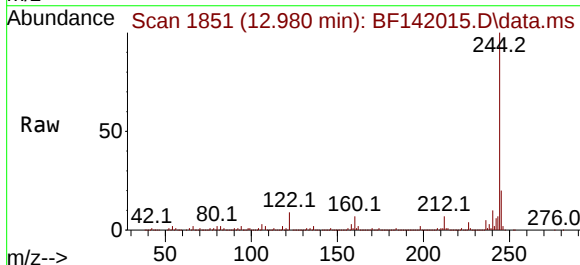
Instrument :  
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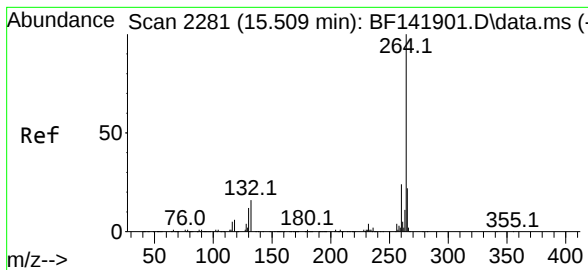
Tgt Ion:240 Resp: 309731  
Ion Ratio Lower Upper  
240 100  
120 9.3 8.4 12.6  
236 25.6 20.5 30.7



#79  
Terphenyl-d14  
Concen: 38.080 ng  
RT: 12.980 min Scan# 1851  
Delta R.T. -0.006 min  
Lab File: BF142015.D  
Acq: 20 Mar 2025 17:06

Tgt Ion:244 Resp: 797754  
Ion Ratio Lower Upper  
244 100  
212 7.0 6.0 9.0  
122 8.9 7.7 11.5





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.504 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BF142015.D  
 Acq: 20 Mar 2025 17:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHRT24743

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 310988    |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 23.2  | 19.1 28.7 |
| 265         | 21.8  | 17.5 26.3 |

