

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011625\  
 Data File : BF141184.D  
 Acq On : 16 Jan 2025 14:40  
 Operator : RC/JU  
 Sample : PB166033BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166033BL

Quant Time: Jan 16 15:00:56 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 10 22:54:19 2025  
 Response via : Initial Calibration

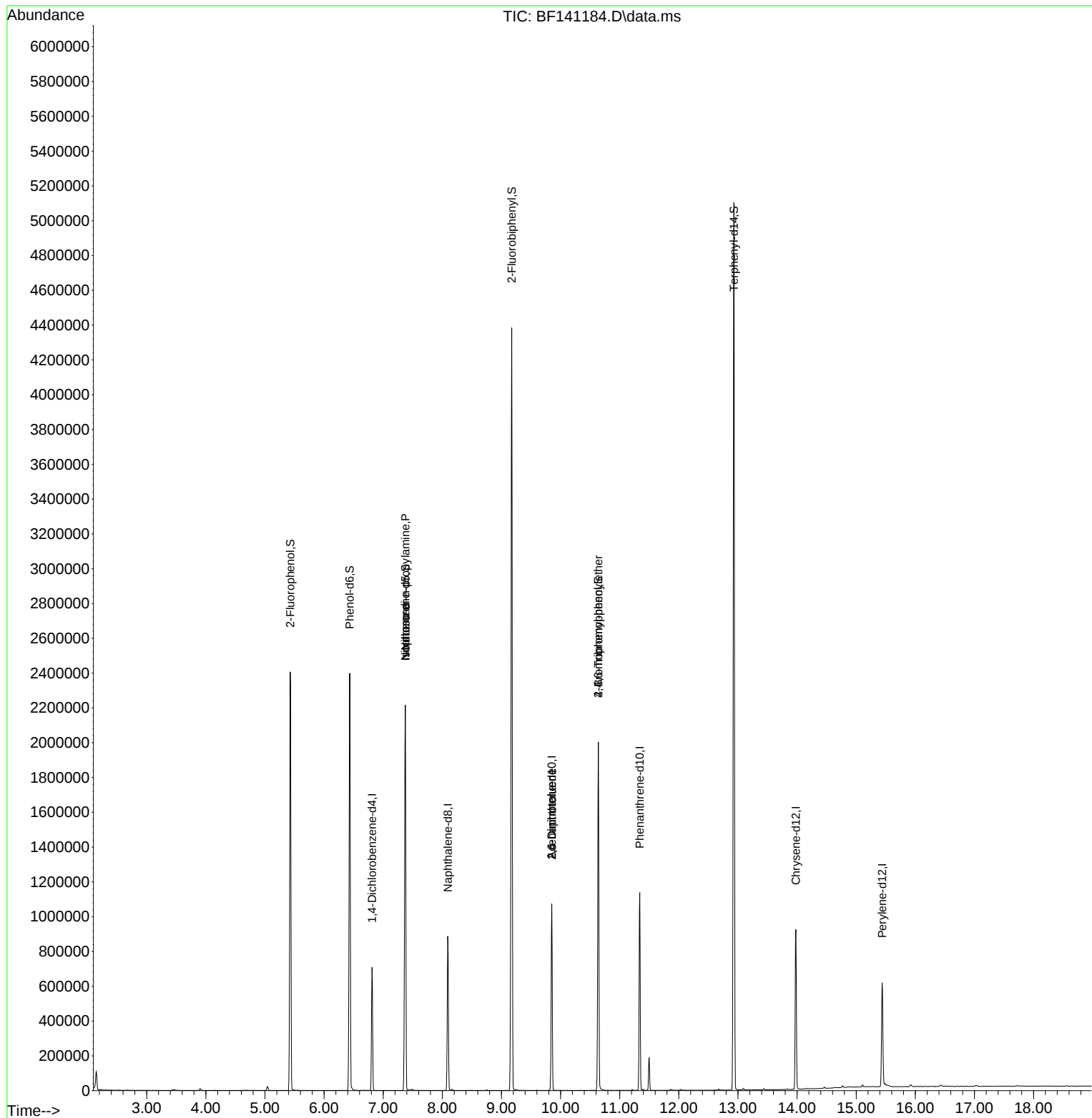
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.810  | 152  | 146806   | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.092  | 136  | 597756   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.851  | 164  | 330061   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.339 | 188  | 578652   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.980 | 240  | 443355   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.439 | 264  | 355863   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 942243   | 99.150 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.434  | 99   | 1190909  | 98.931 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.375  | 82   | 1118563  | 99.193 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.639 | 330  | 367389   | 97.688 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.175  | 172  | 2125742  | 98.349 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.933 | 244  | 2651403  | 88.886 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.375  | 70   | 151270   | 21.332 | ng    | # 76     |
| 25) Isophorone                | 7.375  | 82   | 1112499  | 57.729 | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.851  | 165  | 42247    | 8.199  | ng    | # 27     |
| 57) 2,4-Dinitrotoluene        | 9.851  | 165  | 42247    | 6.362  | ng    | # 24     |
| 67) 4-Bromophenyl-phenylether | 10.639 | 248  | 22953    | 3.445  | ng    | # 1      |
| -----                         |        |      |          |        |       |          |

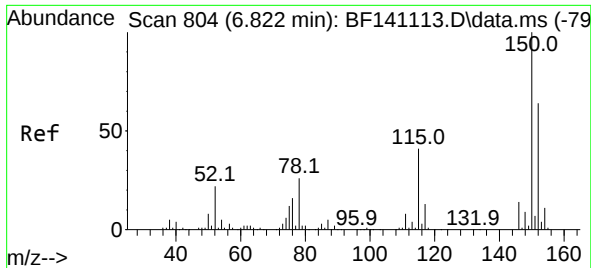
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 16 15:00:56 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jan 10 22:54:19 2025  
Response via : Initial Calibration

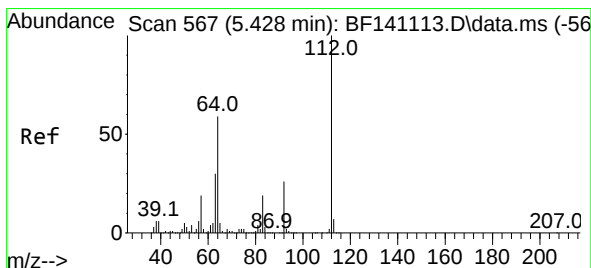
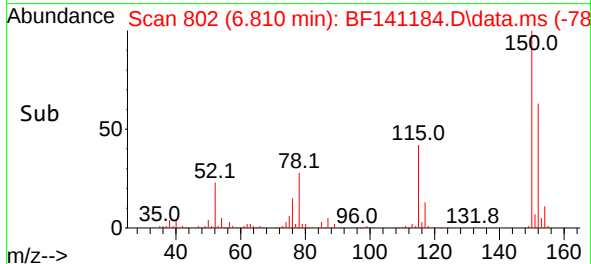
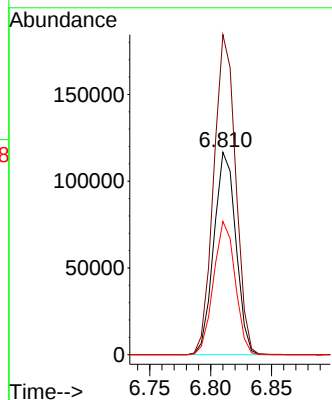
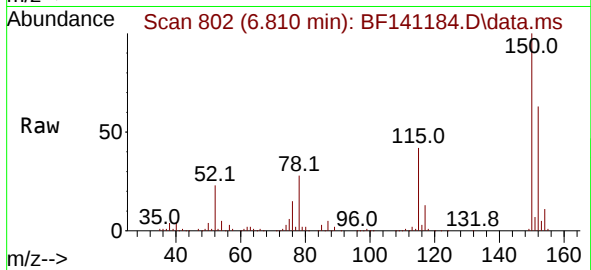




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.810 min Scan# 804  
Delta R.T. -0.012 min  
Lab File: BF141184.D  
Acq: 16 Jan 2025 14:40

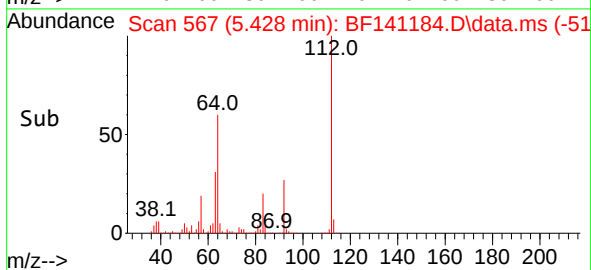
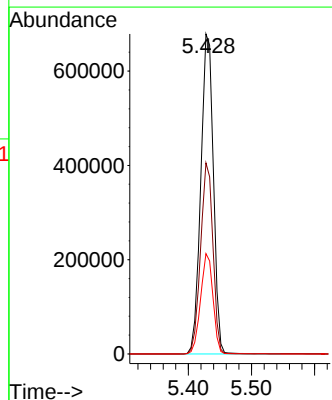
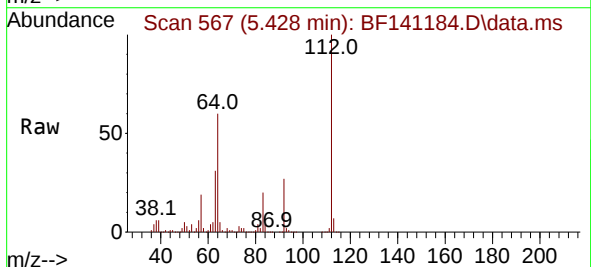
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BL

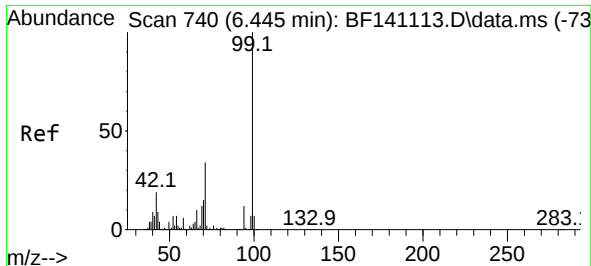
Tgt Ion:152 Resp: 146806  
Ion Ratio Lower Upper  
152 100  
150 158.1 125.8 188.8  
115 65.9 51.4 77.2



#5  
2-Fluorophenol  
Concen: 99.150 ng  
RT: 5.428 min Scan# 567  
Delta R.T. -0.000 min  
Lab File: BF141184.D  
Acq: 16 Jan 2025 14:40

Tgt Ion:112 Resp: 942243  
Ion Ratio Lower Upper  
112 100  
64 59.7 47.3 70.9  
63 31.3 24.2 36.2

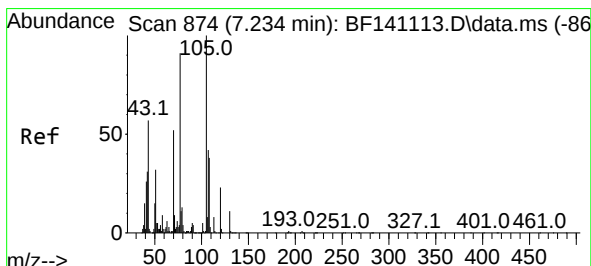
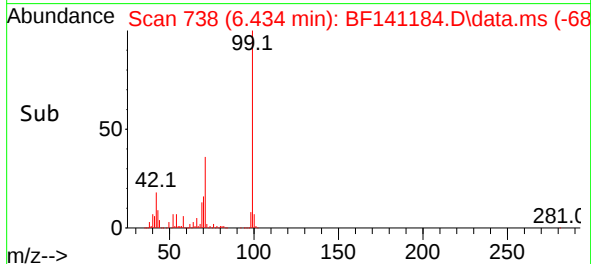
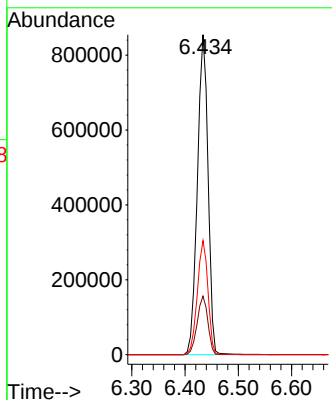
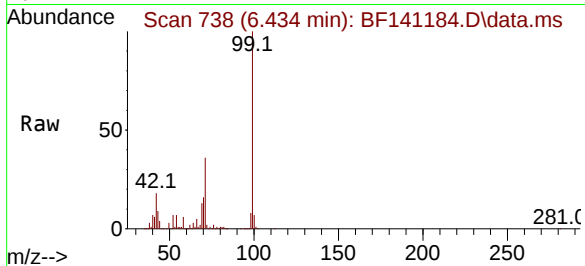




#7  
Phenol-d6  
Concen: 98.931 ng  
RT: 6.434 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF141184.D  
Acq: 16 Jan 2025 14:40

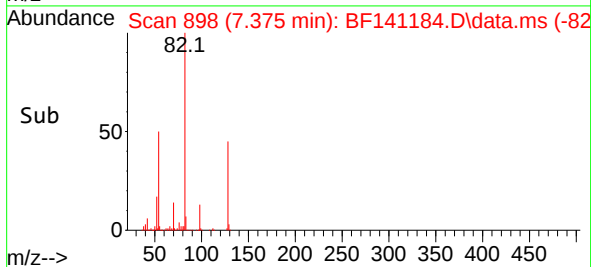
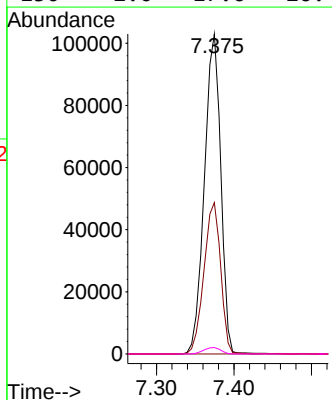
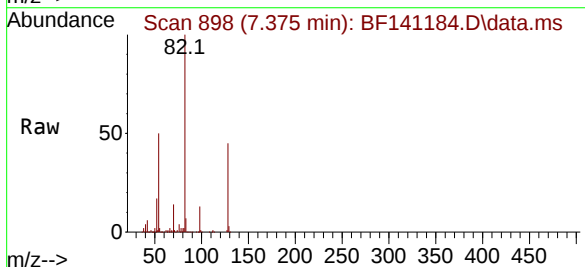
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BL

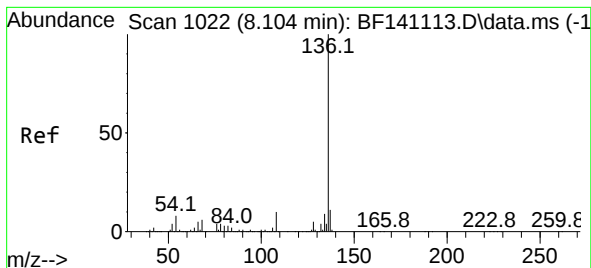
Tgt Ion: 99 Resp: 1190909  
Ion Ratio Lower Upper  
99 100  
42 18.3 15.0 22.4  
71 35.7 27.6 41.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 21.332 ng  
RT: 7.375 min Scan# 898  
Delta R.T. 0.141 min  
Lab File: BF141184.D  
Acq: 16 Jan 2025 14:40

Tgt Ion: 70 Resp: 151270  
Ion Ratio Lower Upper  
70 100  
42 47.3 47.8 71.6#  
101 0.0 7.9 11.9#  
130 2.0 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.092 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141184.D

Acq: 16 Jan 2025 14:40

Instrument :

BNA\_F

ClientSampleId :

PB166033BL

Tgt Ion:136 Resp: 597756

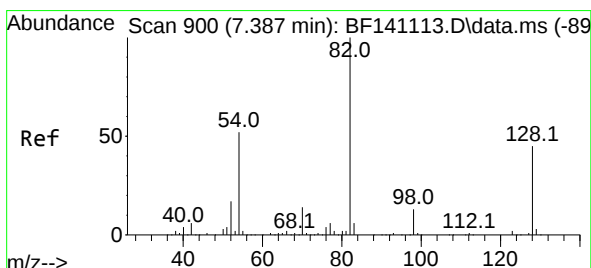
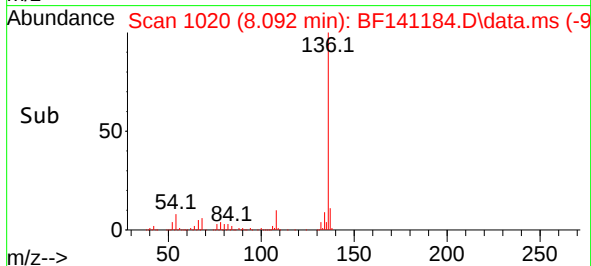
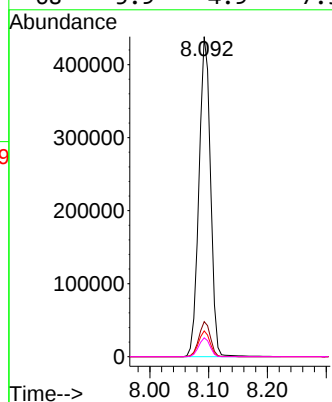
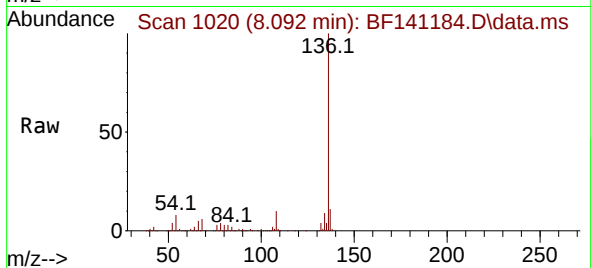
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.1 6.3 9.5

68 5.9 4.9 7.3



#23

Nitrobenzene-d5

Concen: 99.193 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.012 min

Lab File: BF141184.D

Acq: 16 Jan 2025 14:40

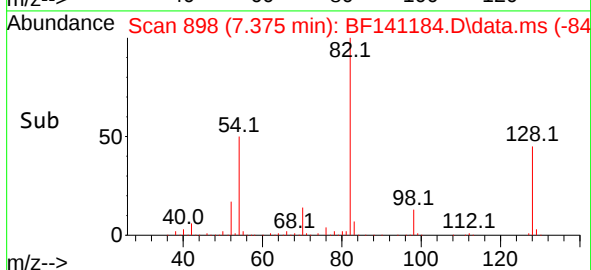
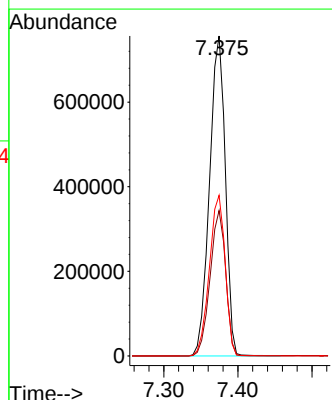
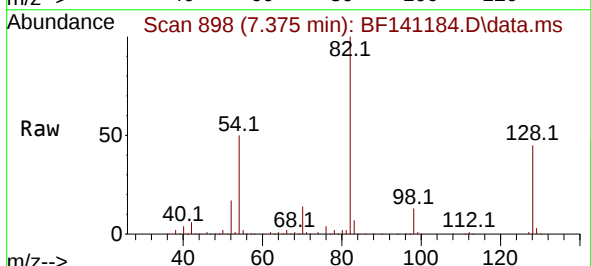
Tgt Ion: 82 Resp: 1118563

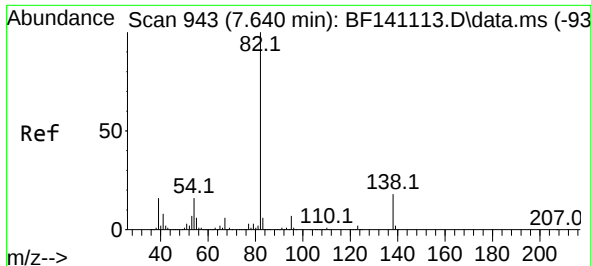
Ion Ratio Lower Upper

82 100

128 45.5 36.1 54.1

54 50.2 41.0 61.4

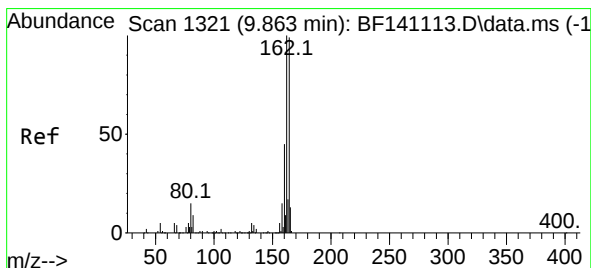
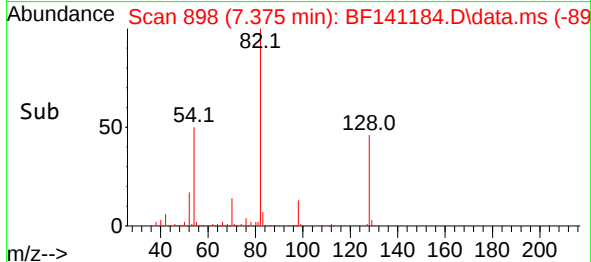
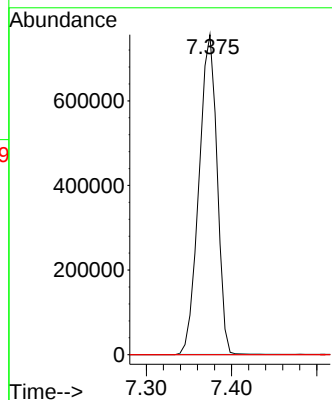
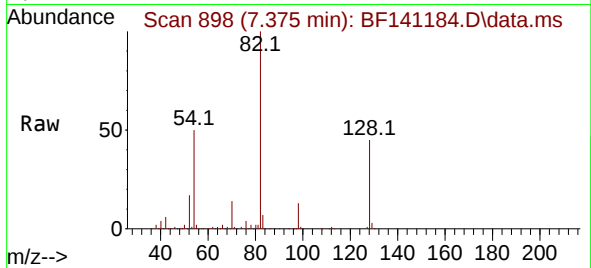




#25  
Isophorone  
Concen: 57.729 ng  
RT: 7.375 min Scan# 89  
Delta R.T. -0.265 min  
Lab File: BF141184.D  
Acq: 16 Jan 2025 14:40

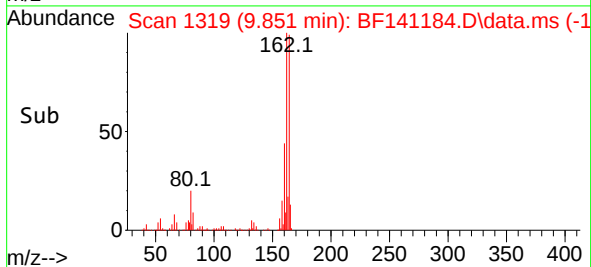
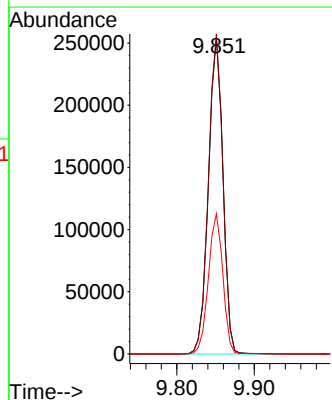
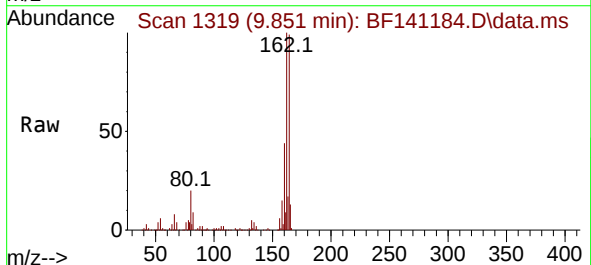
Instrument :  
BNA\_F  
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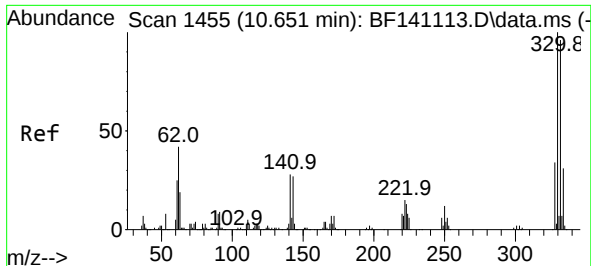
Tgt Ion: 82 Resp: 1112499  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 14.2 21.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.851 min Scan# 1319  
Delta R.T. -0.012 min  
Lab File: BF141184.D  
Acq: 16 Jan 2025 14:40

Tgt Ion:164 Resp: 330061  
Ion Ratio Lower Upper  
164 100  
162 101.3 81.0 121.4  
160 44.4 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 97.688 ng

RT: 10.639 min Scan# 1455

Delta R.T. -0.012 min

Lab File: BF141184.D

Acq: 16 Jan 2025 14:40

Instrument :

BNA\_F

ClientSampleId :

PB166033BL

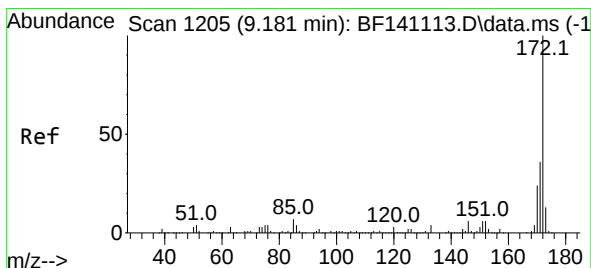
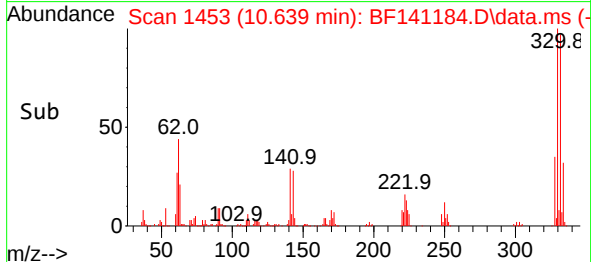
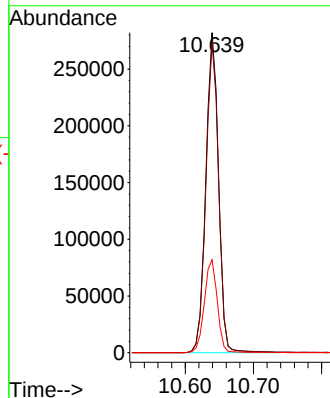
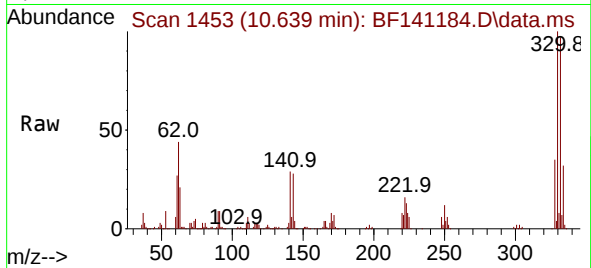
Tgt Ion:330 Resp: 367389

Ion Ratio Lower Upper

330 100

332 96.8 76.9 115.3

141 29.7 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 98.349 ng

RT: 9.175 min Scan# 1204

Delta R.T. -0.006 min

Lab File: BF141184.D

Acq: 16 Jan 2025 14:40

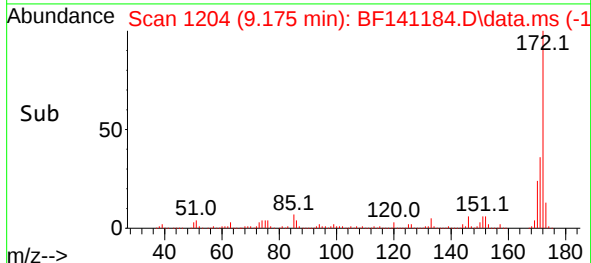
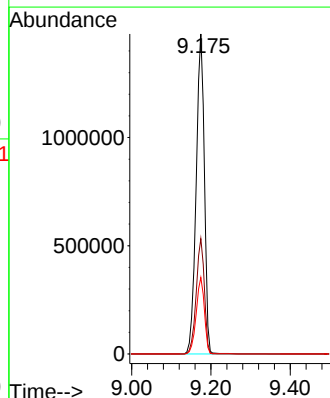
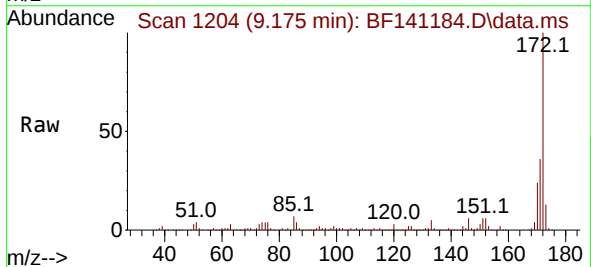
Tgt Ion:172 Resp: 2125742

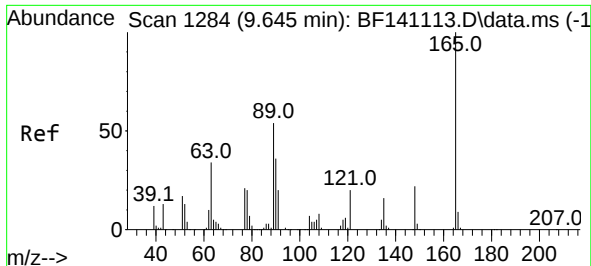
Ion Ratio Lower Upper

172 100

171 36.0 28.7 43.1

170 23.9 19.0 28.6

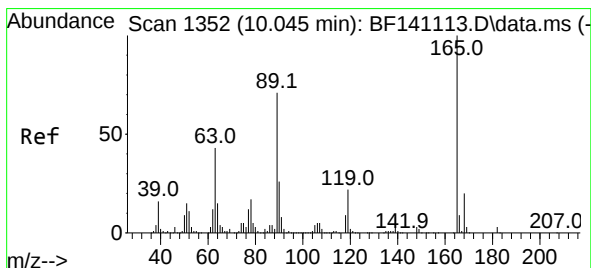
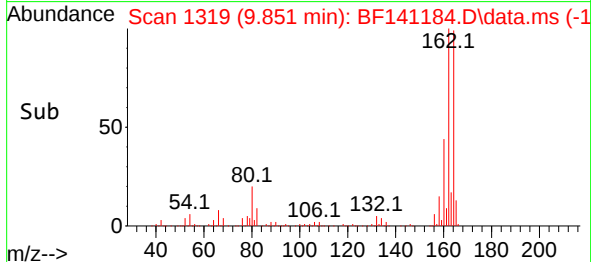
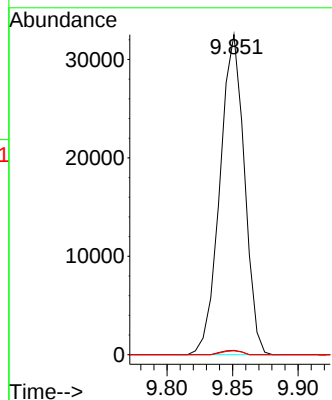
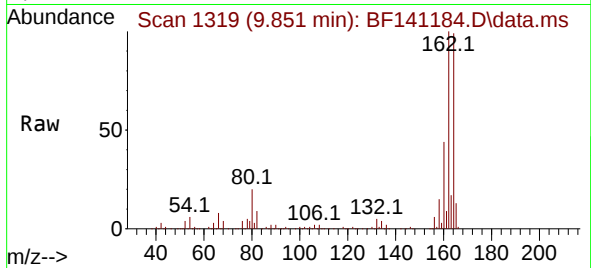




#51  
2,6-Dinitrotoluene  
Concen: 8.199 ng  
RT: 9.851 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF141184.D  
Acq: 16 Jan 2025 14:40

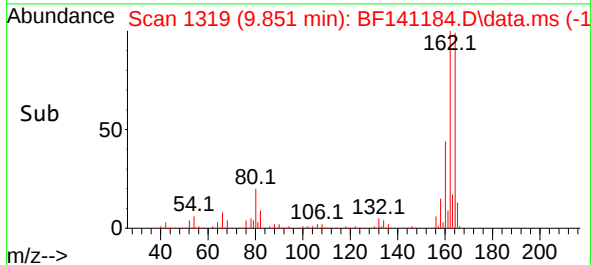
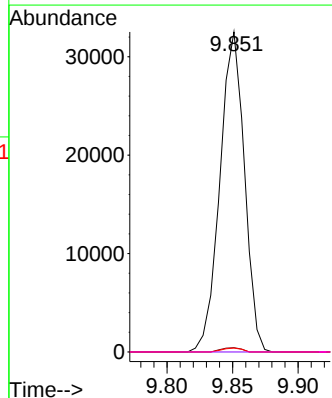
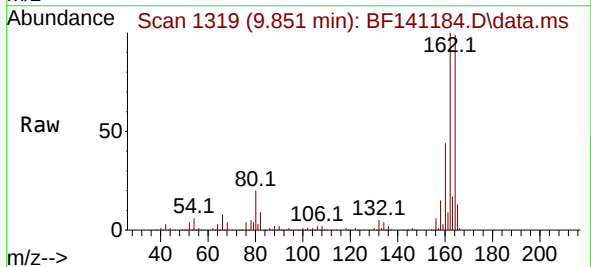
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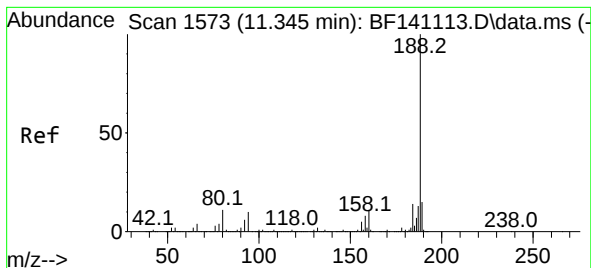
Tgt Ion:165 Resp: 42247  
Ion Ratio Lower Upper  
165 100  
63 1.3 42.3 63.5#  
89 1.2 43.1 64.7#



#57  
2,4-Dinitrotoluene  
Concen: 6.362 ng  
RT: 9.851 min Scan# 1319  
Delta R.T. -0.194 min  
Lab File: BF141184.D  
Acq: 16 Jan 2025 14:40

Tgt Ion:165 Resp: 42247  
Ion Ratio Lower Upper  
165 100  
63 1.3 35.0 52.4#  
89 1.2 56.7 85.1#  
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141184.D

Acq: 16 Jan 2025 14:40

Instrument :

BNA\_F

ClientSampleId :

PB166033BL

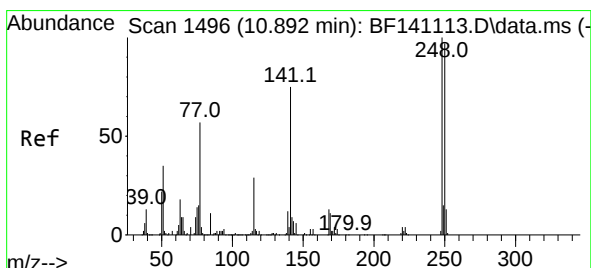
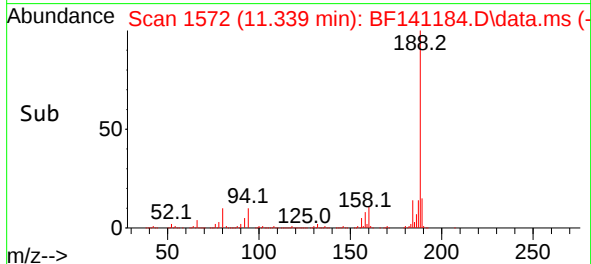
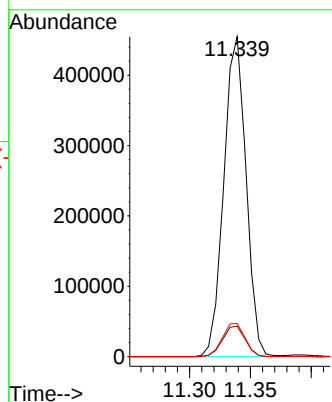
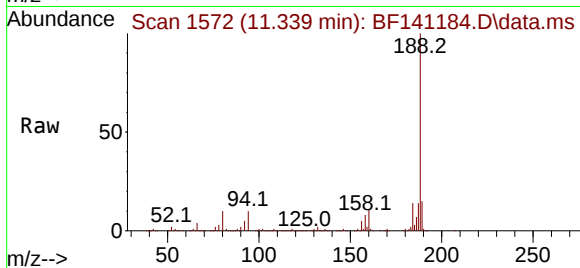
Tgt Ion:188 Resp: 578652

Ion Ratio Lower Upper

188 100

94 9.5 8.3 12.5

80 10.4 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 3.445 ng

RT: 10.639 min Scan# 1453

Delta R.T. -0.253 min

Lab File: BF141184.D

Acq: 16 Jan 2025 14:40

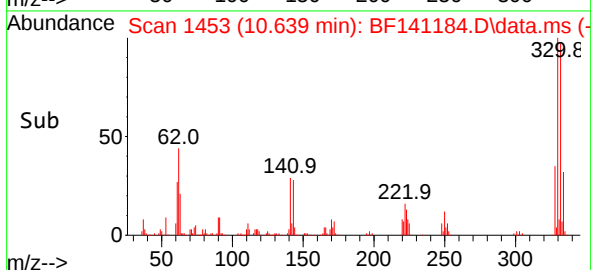
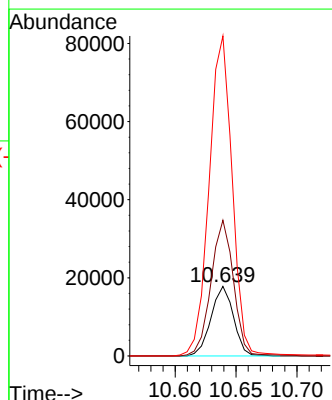
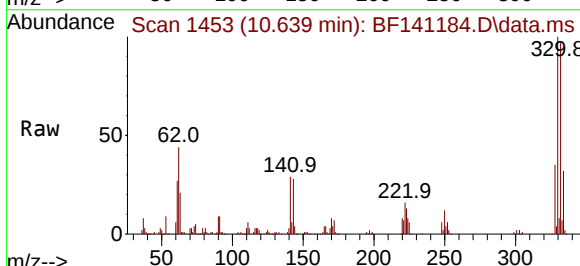
Tgt Ion:248 Resp: 22953

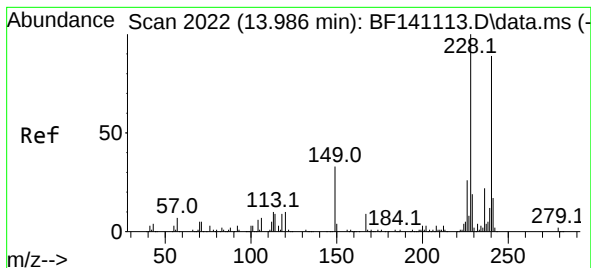
Ion Ratio Lower Upper

248 100

250 195.0 77.9 116.9#

141 459.9 59.9 89.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141184.D

Acq: 16 Jan 2025 14:40

Instrument :

BNA\_F

ClientSampleId :

PB166033BL

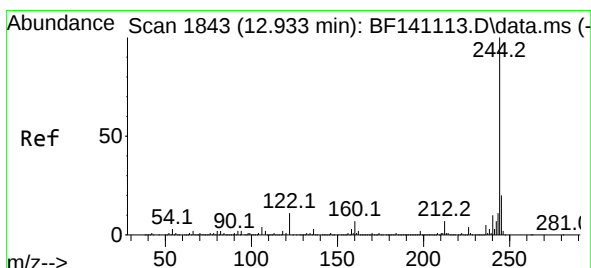
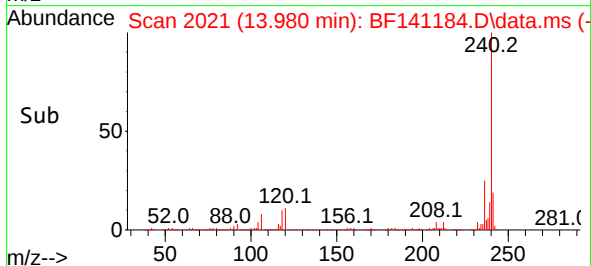
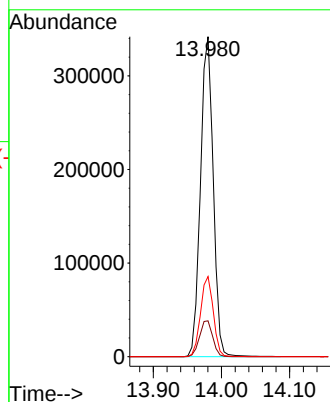
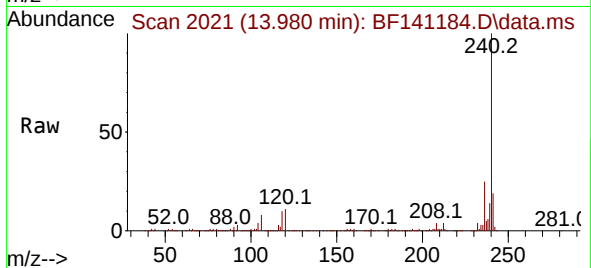
Tgt Ion:240 Resp: 443355

Ion Ratio Lower Upper

240 100

120 11.2 9.1 13.7

236 25.1 19.8 29.6



#79

Terphenyl-d14

Concen: 88.886 ng

RT: 12.933 min Scan# 1843

Delta R.T. -0.000 min

Lab File: BF141184.D

Acq: 16 Jan 2025 14:40

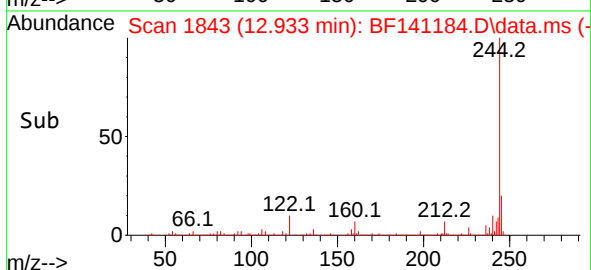
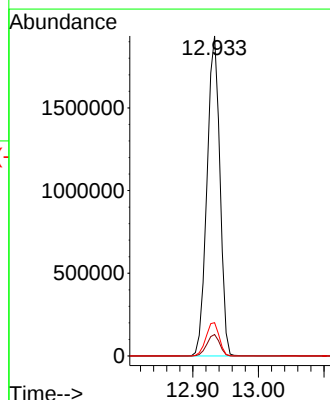
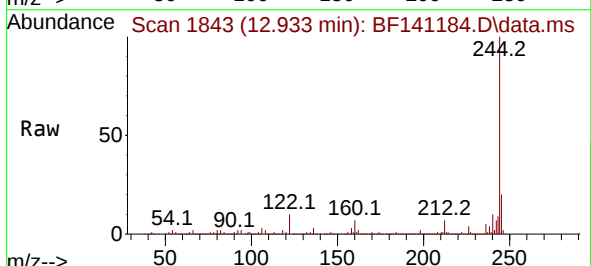
Tgt Ion:244 Resp: 2651403

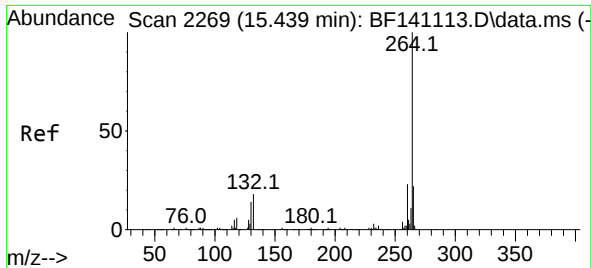
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

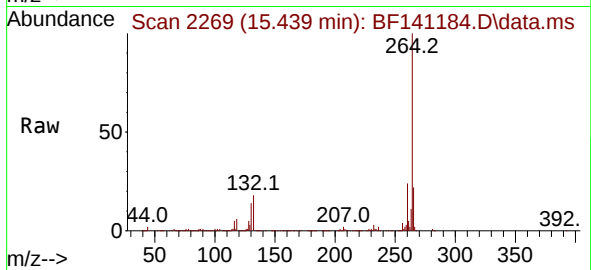
122 10.4 8.8 13.2





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.439 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: BF141184.D  
 Acq: 16 Jan 2025 14:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166033BL



Tgt Ion:264 Resp: 355863

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 18.6  | 28.0  |
| 265 | 21.5  | 17.4  | 26.0  |

