

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072225\  
 Data File : BF143182.D  
 Acq On : 22 Jul 2025 11:25  
 Operator : RC/JU  
 Sample : Q2638-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OU4-TS-31-071725

Quant Time: Jul 22 12:07:47 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF071725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 17 15:14:05 2025  
 Response via : Initial Calibration

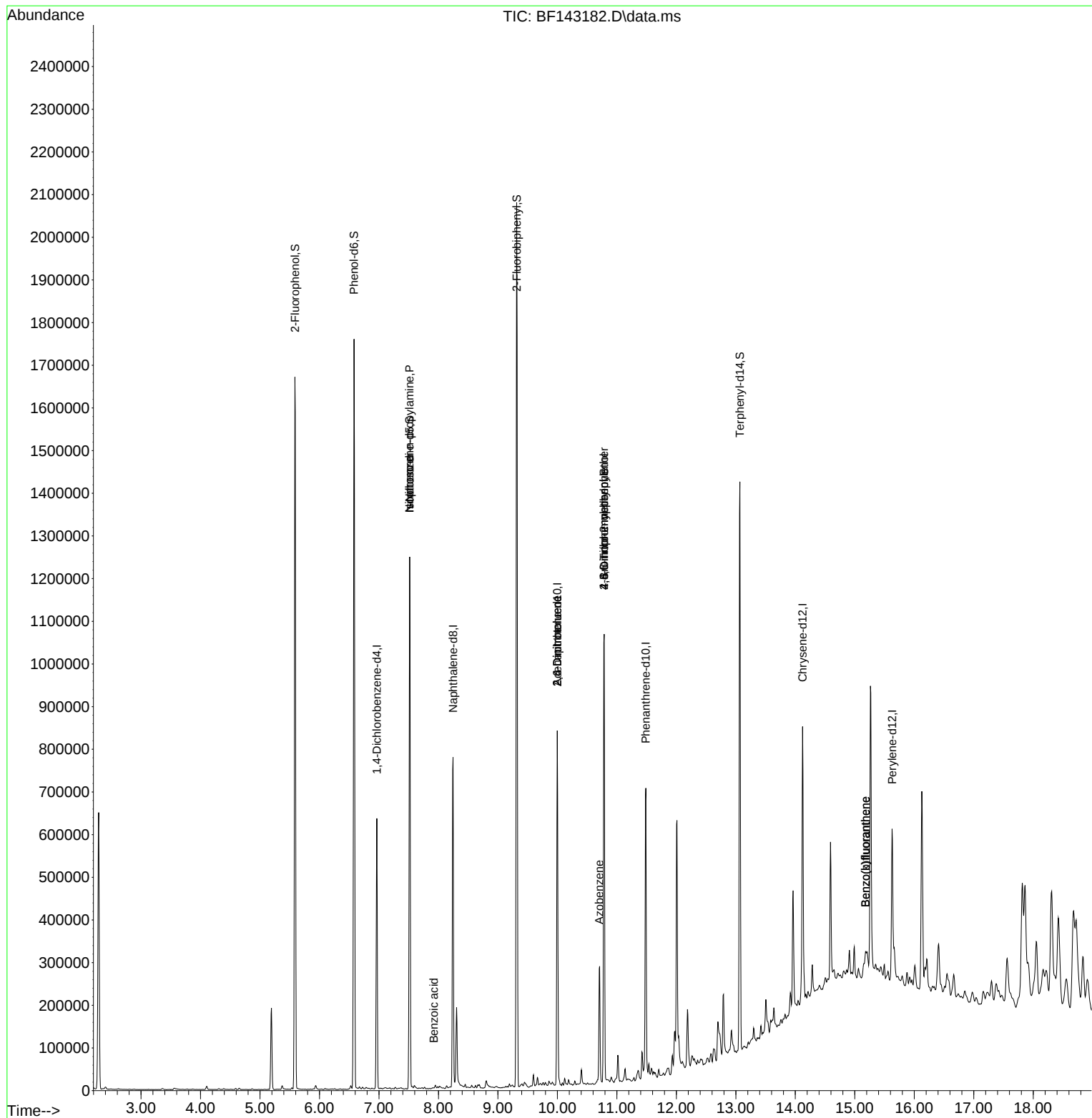
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.963  | 152  | 124626   | 20.000 | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.245  | 136  | 473426   | 20.000 | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.998  | 164  | 235291   | 20.000 | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.486 | 188  | 343188   | 20.000 | ng     | 0.00     |
| 76) Chrysene-d12              | 14.121 | 240  | 286775   | 20.000 | ng     | 0.00     |
| 86) Perylene-d12              | 15.627 | 264  | 200780   | 20.000 | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 5) 2-Fluorophenol             | 5.587  | 112  | 608988   | 77.328 | ng     | 0.00     |
| 7) Phenol-d6                  | 6.581  | 99   | 786271   | 79.320 | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.516  | 82   | 521492   | 54.908 | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.786 | 330  | 178384   | 73.388 | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.316  | 172  | 886827   | 51.547 | ng     | 0.00     |
| 79) Terphenyl-d14             | 13.068 | 244  | 642582   | 33.344 | ng     | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 19) n-Nitroso-di-n-propyla... | 7.516  | 70   | 71805    | 11.291 | ng     | # 79     |
| 25) Isophorone                | 7.516  | 82   | 516972   | 30.834 | ng     | # 66     |
| 32) Benzoic acid              | 7.922  | 122  | 798      | 5.339  | ng     | # 82     |
| 51) 2,6-Dinitrotoluene        | 9.998  | 165  | 31207    | 10.002 | ng     | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.998  | 165  | 31207    | 7.972  | ng     | # 21     |
| 63) Azobenzene                | 10.704 | 77   | 58145    | 3.680  | ng     | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 10.786 | 198  | 167      | 5.495  | ng     | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.786 | 248  | 11275    | 2.757  | ng     | # 1      |
| 88) Benzo(b)fluoranthene      | 15.180 | 252  | 45492    | 3.709  | ng     | # 85     |
| 89) Benzo(k)fluoranthene      | 15.180 | 252  | 45492    | 4.156  | ng     | # 86     |
| -----                         |        |      |          |        |        |          |

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

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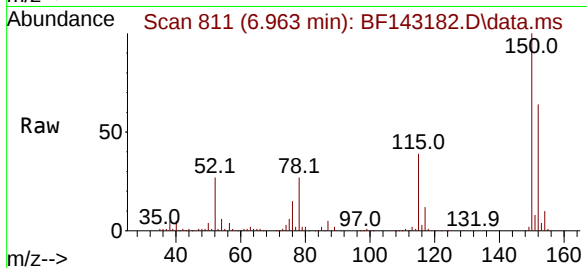
Quant Time: Jul 22 12:07:47 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF071725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 17 15:14:05 2025  
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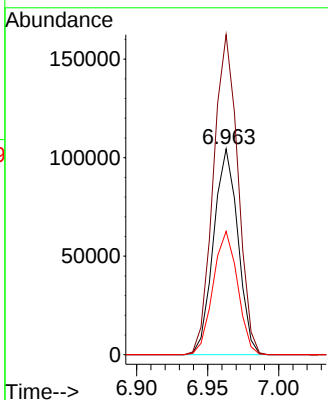
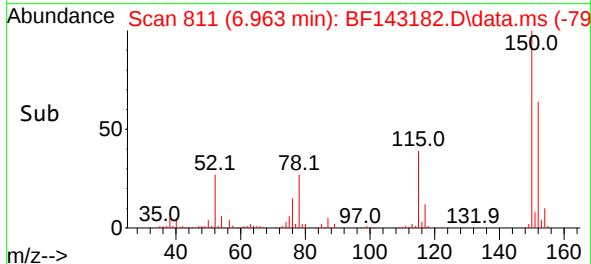


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.963 min Scan# 811  
Delta R.T. -0.000 min  
Lab File: BF143182.D  
Acq: 22 Jul 2025 11:25

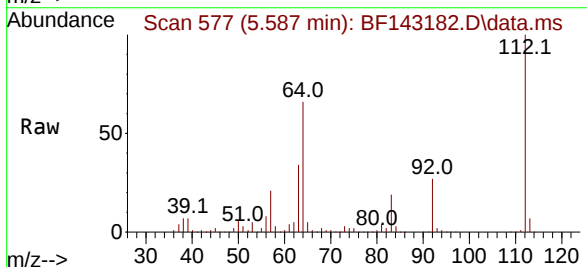
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-TS-31-071725



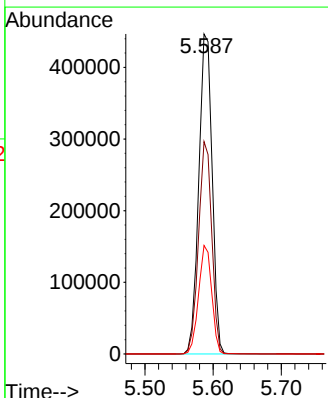
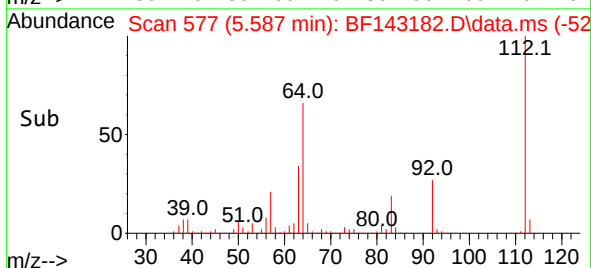
Tgt Ion:152 Resp: 124626  
Ion Ratio Lower Upper  
152 100  
150 155.5 128.2 192.4  
115 60.0 47.9 71.9

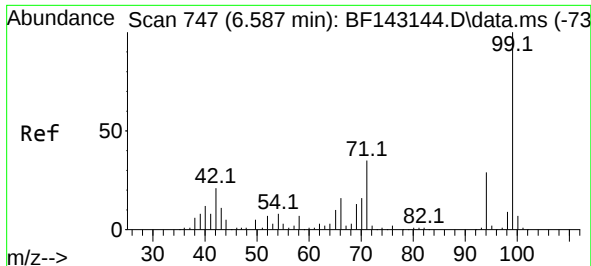


#5  
2-Fluorophenol  
Concen: 77.328 ng  
RT: 5.587 min Scan# 577  
Delta R.T. -0.000 min  
Lab File: BF143182.D  
Acq: 22 Jul 2025 11:25



Tgt Ion:112 Resp: 608988  
Ion Ratio Lower Upper  
112 100  
64 66.3 53.1 79.7  
63 33.9 26.6 40.0

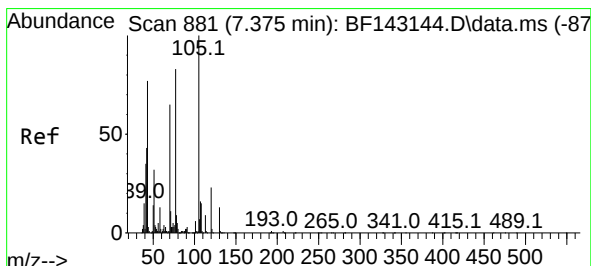
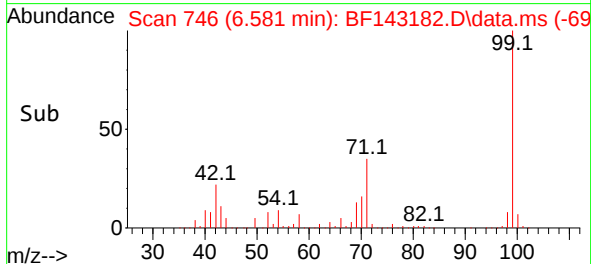
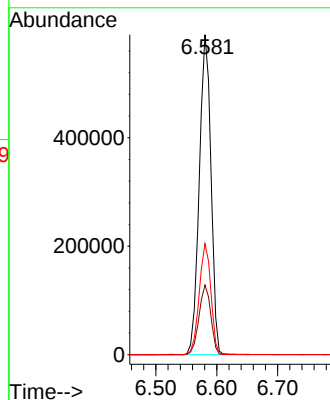
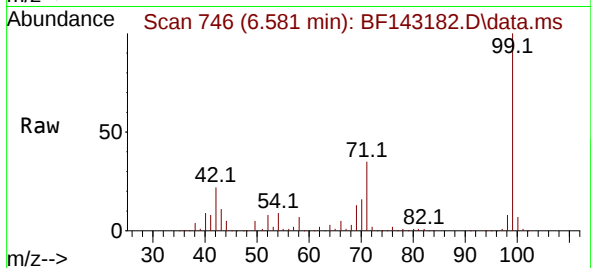




#7  
Phenol-d6  
Concen: 79.320 ng  
RT: 6.581 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: BF143182.D  
Acq: 22 Jul 2025 11:25

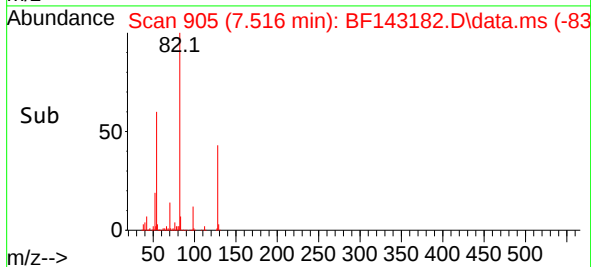
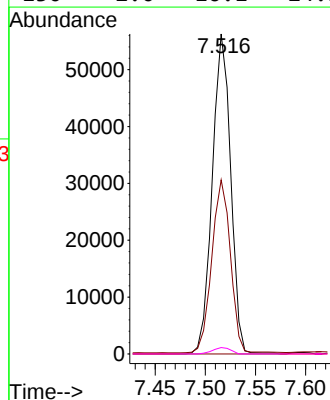
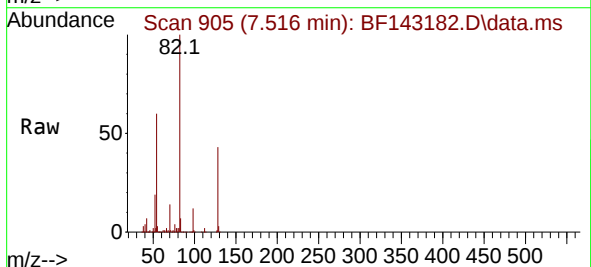
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-TS-31-071725

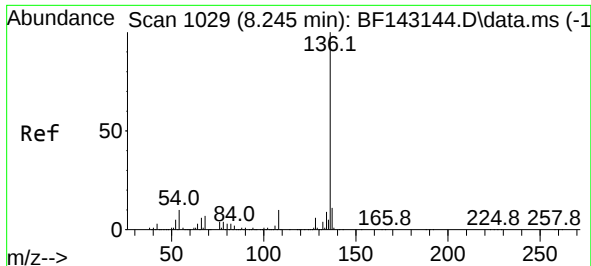
Tgt Ion: 99 Resp: 786271  
Ion Ratio Lower Upper  
99 100  
42 21.8 17.0 25.6  
71 34.7 27.7 41.5



#19  
n-Nitroso-di-n-propylamine  
Concen: 11.291 ng  
RT: 7.516 min Scan# 905  
Delta R.T. 0.141 min  
Lab File: BF143182.D  
Acq: 22 Jul 2025 11:25

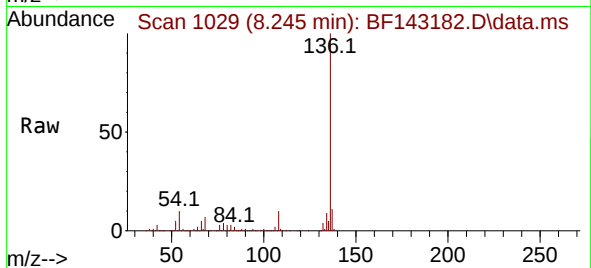
Tgt Ion: 70 Resp: 71805  
Ion Ratio Lower Upper  
70 100  
42 54.4 52.5 78.7  
101 0.0 7.6 11.4#  
130 2.0 16.1 24.1#





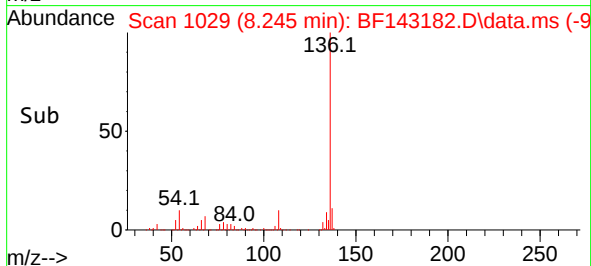
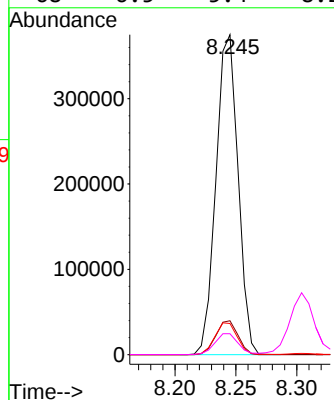
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.245 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: BF143182.D  
Acq: 22 Jul 2025 11:25

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:136 Resp: 473426

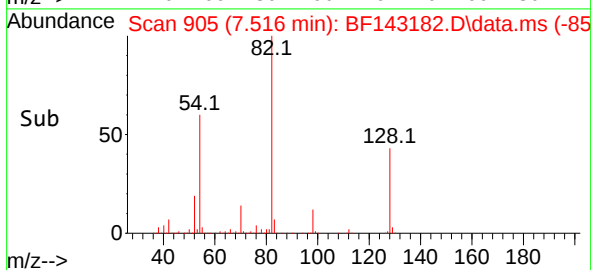
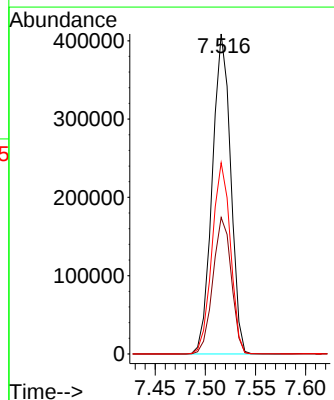
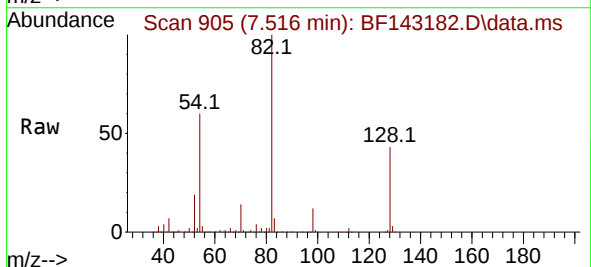
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.6  | 8.6   | 13.0  |
| 54  | 9.8   | 8.2   | 12.2  |
| 68  | 6.5   | 5.4   | 8.2   |



#23  
Nitrobenzene-d5  
Concen: 54.908 ng  
RT: 7.516 min Scan# 905  
Delta R.T. -0.006 min  
Lab File: BF143182.D  
Acq: 22 Jul 2025 11:25

Tgt Ion: 82 Resp: 521492

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 42.7  | 33.6  | 50.4  |
| 54  | 59.8  | 47.1  | 70.7  |

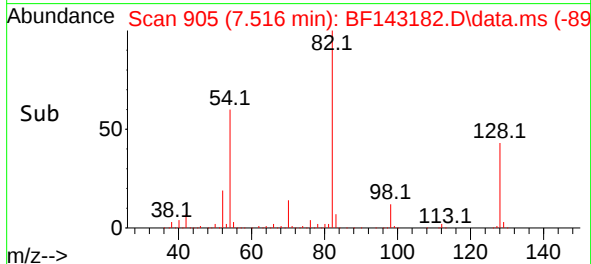
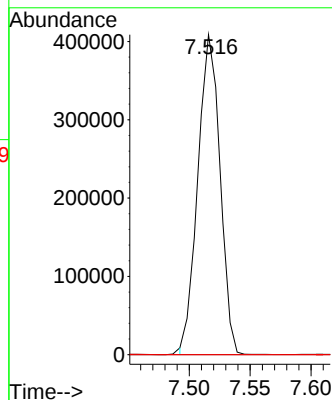
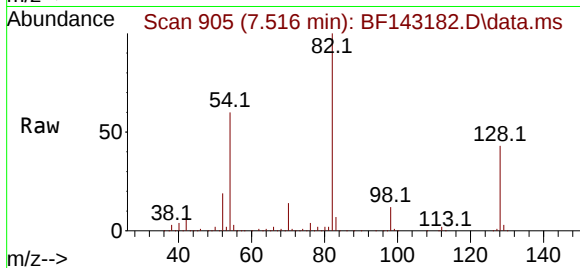




#25  
Isophorone  
Concen: 30.834 ng  
RT: 7.516 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF143182.D  
Acq: 22 Jul 2025 11:25

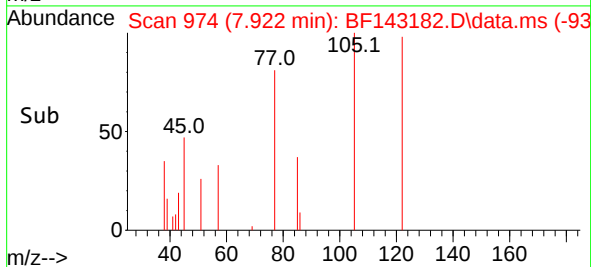
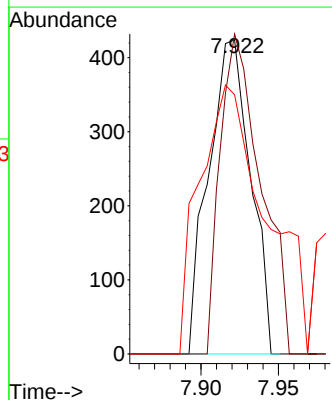
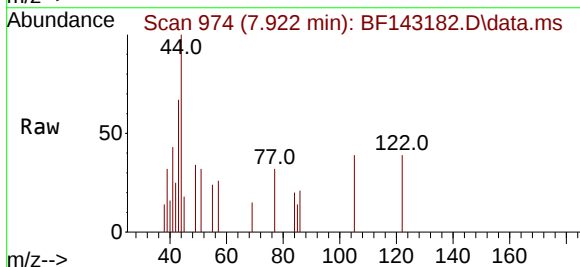
Instrument :  
BNA\_F  
ClientSampleId :  
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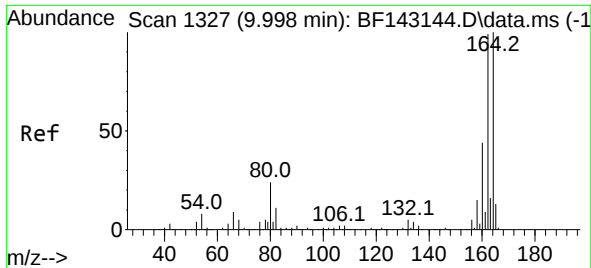
Tgt Ion: 82 Resp: 516972  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 13.8 20.8#



#32  
Benzoic acid  
Concen: 5.339 ng  
RT: 7.922 min Scan# 974  
Delta R.T. -0.070 min  
Lab File: BF143182.D  
Acq: 22 Jul 2025 11:25

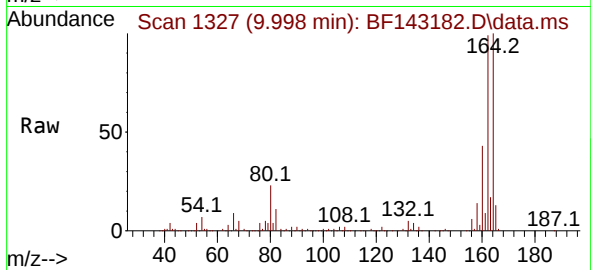
Tgt Ion:122 Resp: 798  
Ion Ratio Lower Upper  
122 100  
105 101.9 104.8 144.8#  
77 82.5 77.6 117.6



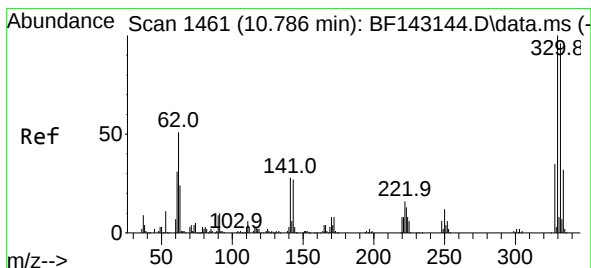
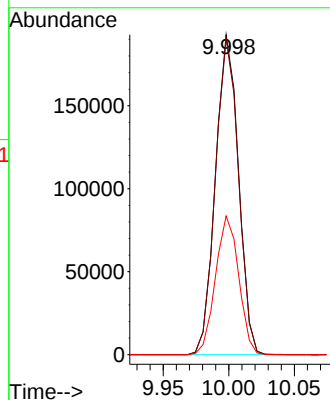
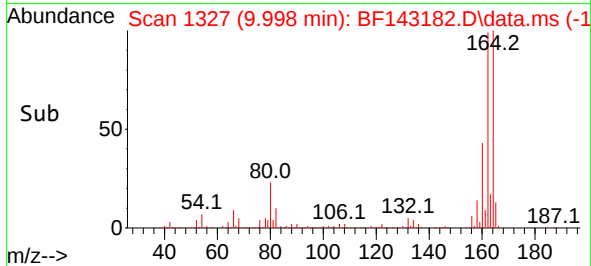


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.998 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF143182.D  
Acq: 22 Jul 2025 11:25

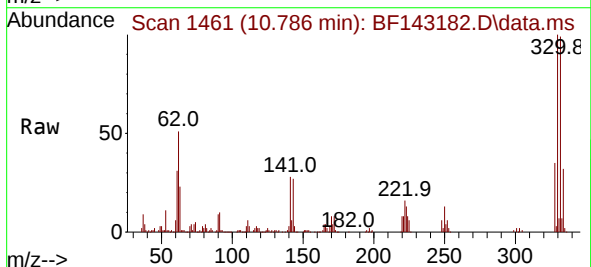
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-TS-31-071725



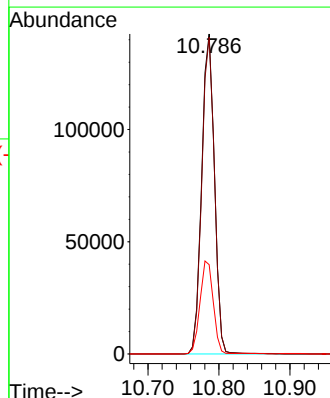
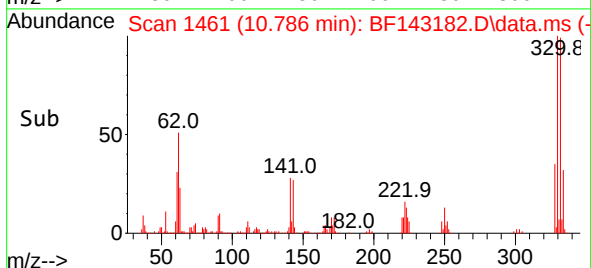
Tgt Ion:164 Resp: 235291  
Ion Ratio Lower Upper  
164 100  
162 98.7 79.0 118.6  
160 43.4 35.1 52.7

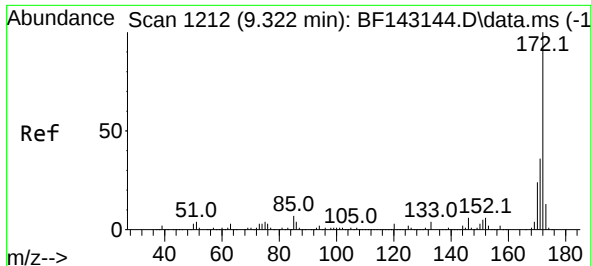


#42  
2,4,6-Tribromophenol  
Concen: 73.388 ng  
RT: 10.786 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: BF143182.D  
Acq: 22 Jul 2025 11:25



Tgt Ion:330 Resp: 178384  
Ion Ratio Lower Upper  
330 100  
332 98.6 76.7 115.1  
141 30.2 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 51.547 ng

RT: 9.316 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143182.D

Acq: 22 Jul 2025 11:25

Instrument :

BNA\_F

ClientSampleId :

OU4-TS-31-071725

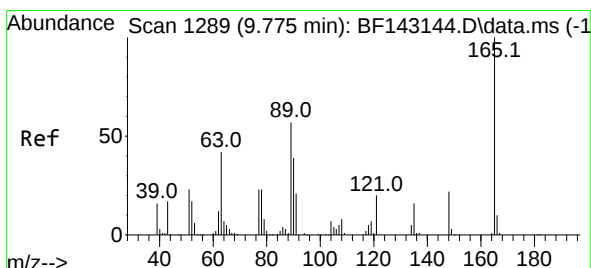
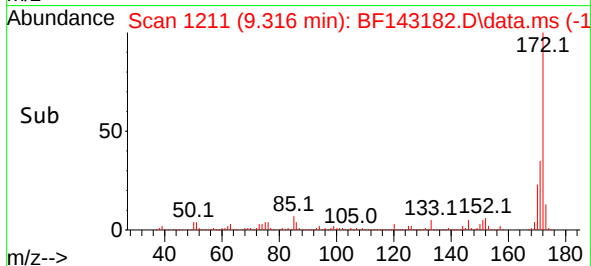
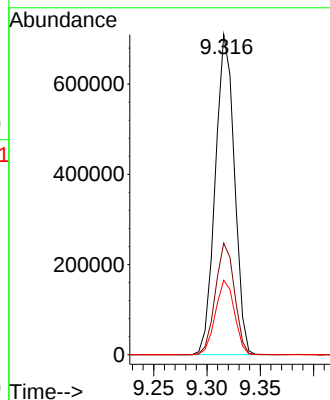
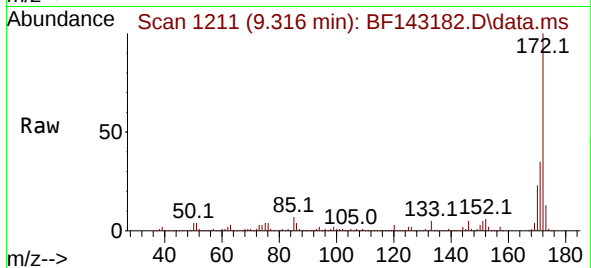
Tgt Ion:172 Resp: 886827

Ion Ratio Lower Upper

172 100

171 34.8 28.6 42.8

170 23.2 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 10.002 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.223 min

Lab File: BF143182.D

Acq: 22 Jul 2025 11:25

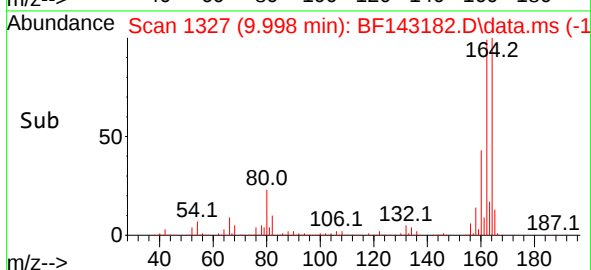
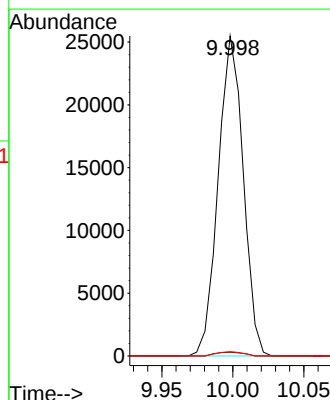
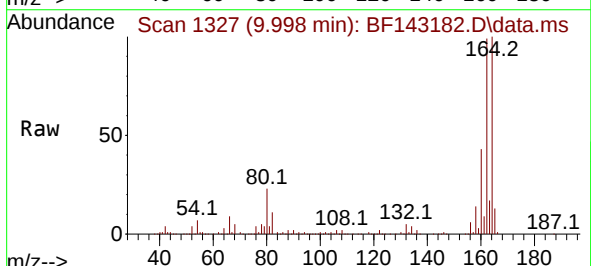
Tgt Ion:165 Resp: 31207

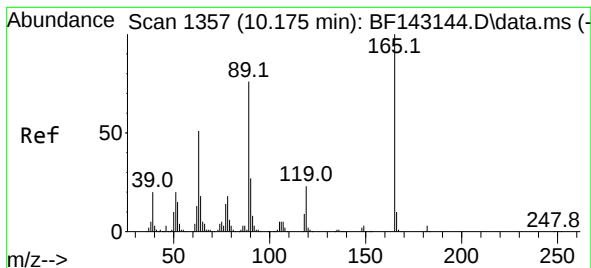
Ion Ratio Lower Upper

165 100

63 1.2 49.4 74.2#

89 1.3 46.2 69.2#

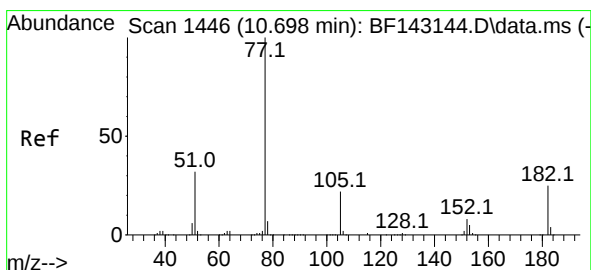
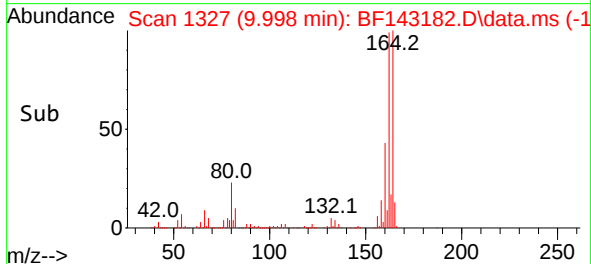
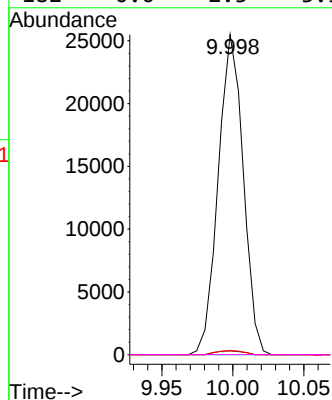
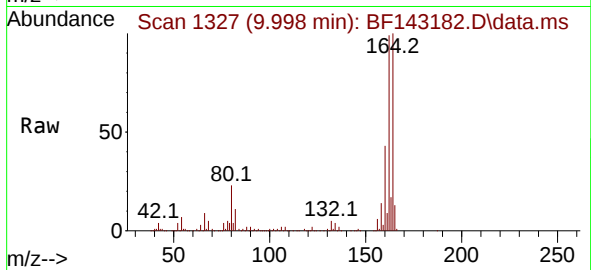




#57  
2,4-Dinitrotoluene  
Concen: 7.972 ng  
RT: 9.998 min Scan# 11  
Delta R.T. -0.177 min  
Lab File: BF143182.D  
Acq: 22 Jul 2025 11:25

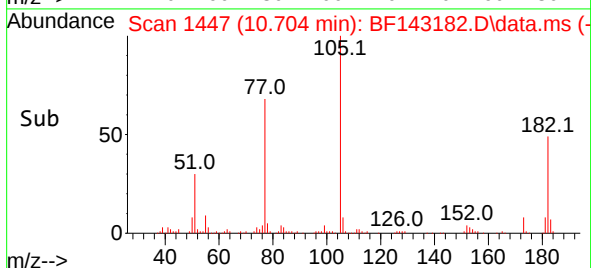
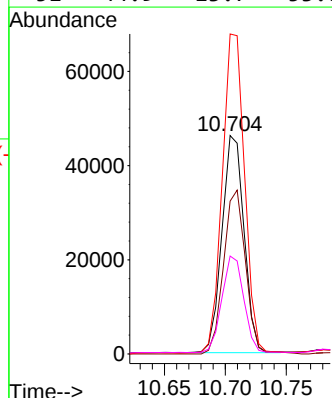
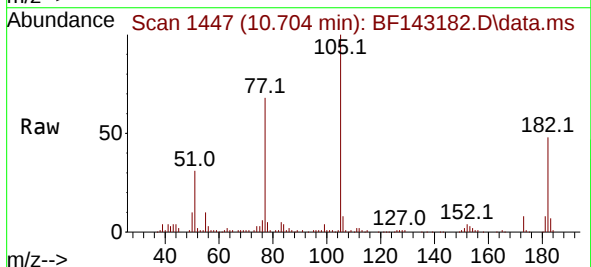
Instrument :  
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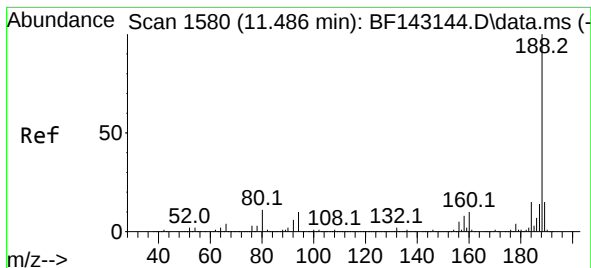
Tgt Ion:165 Resp: 31207  
Ion Ratio Lower Upper  
165 100  
63 1.2 41.0 61.4#  
89 1.3 61.1 91.7#  
182 0.0 2.3 3.5#



#63  
Azobenzene  
Concen: 3.680 ng  
RT: 10.704 min Scan# 1447  
Delta R.T. 0.006 min  
Lab File: BF143182.D  
Acq: 22 Jul 2025 11:25

Tgt Ion: 77 Resp: 58145  
Ion Ratio Lower Upper  
77 100  
182 69.9 4.6 44.6#  
105 146.5 1.4 41.4#  
51 44.9 13.7 53.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143182.D

Acq: 22 Jul 2025 11:25

Instrument :

BNA\_F

ClientSampleId :

OU4-TS-31-071725

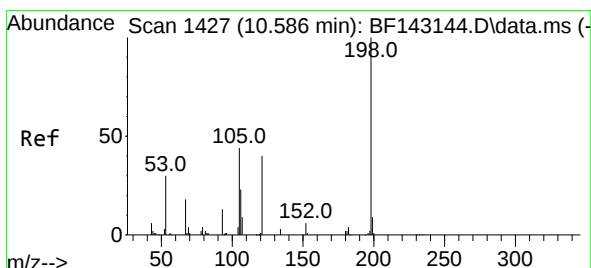
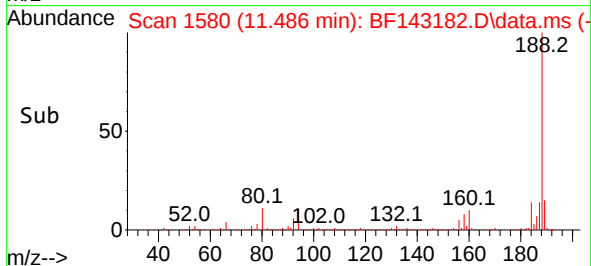
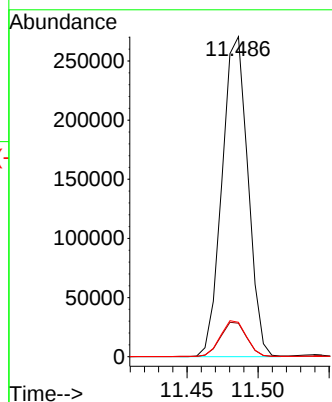
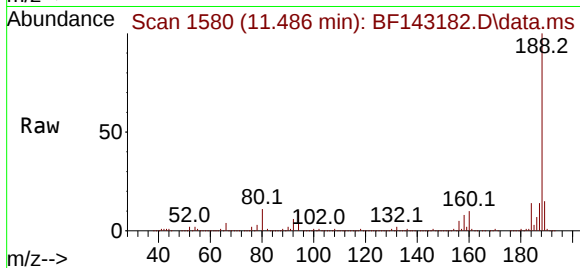
Tgt Ion:188 Resp: 343188

Ion Ratio Lower Upper

188 100

94 10.4 8.3 12.5

80 10.7 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.495 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.200 min

Lab File: BF143182.D

Acq: 22 Jul 2025 11:25

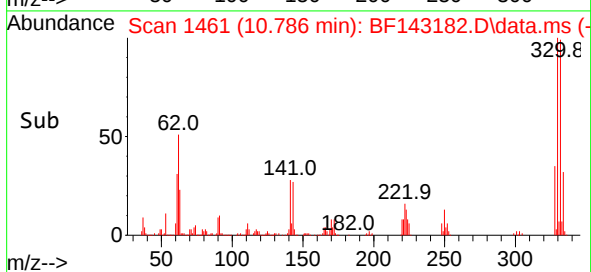
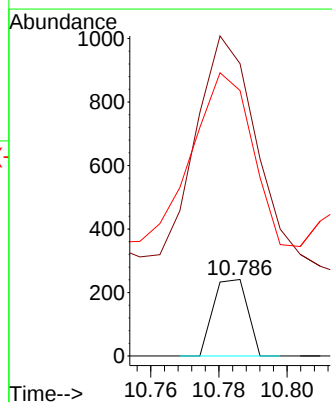
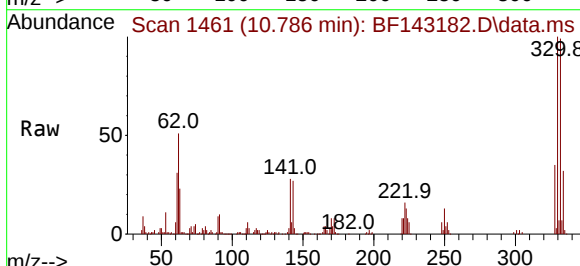
Tgt Ion:198 Resp: 167

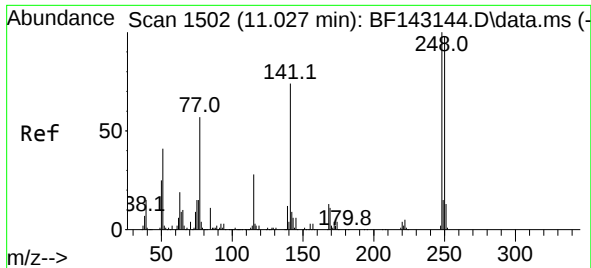
Ion Ratio Lower Upper

198 100

51 382.2 37.2 77.2#

105 346.9 24.8 64.8#

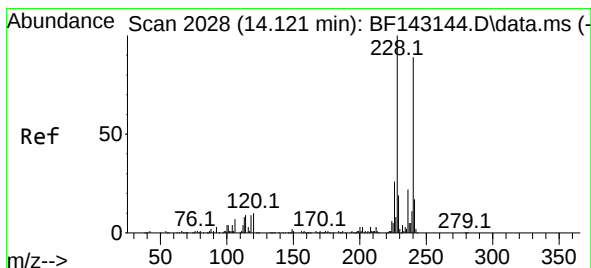
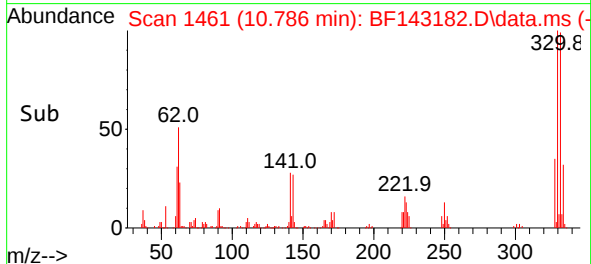
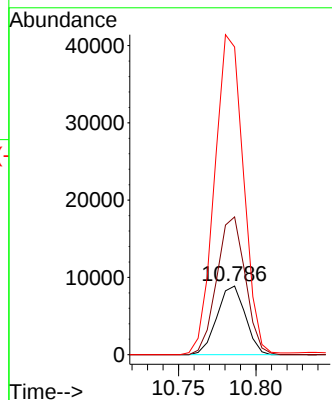
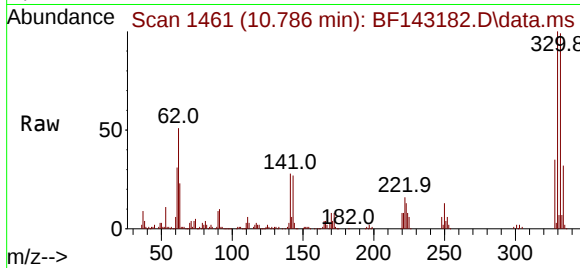




#67  
4-Bromophenyl-phenylether  
Concen: 2.757 ng  
RT: 10.786 min Scan# 14  
Delta R.T. -0.241 min  
Lab File: BF143182.D  
Acq: 22 Jul 2025 11:25

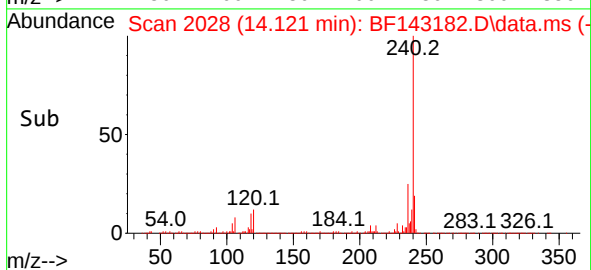
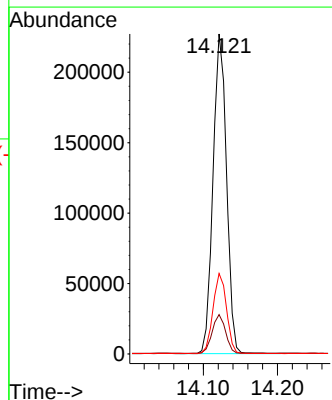
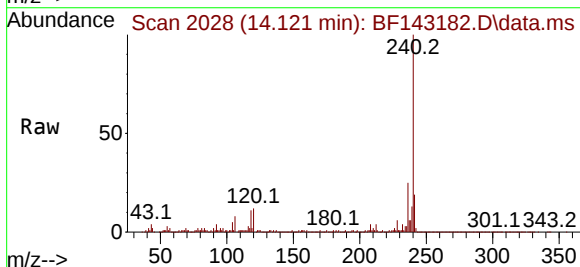
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-TS-31-071725

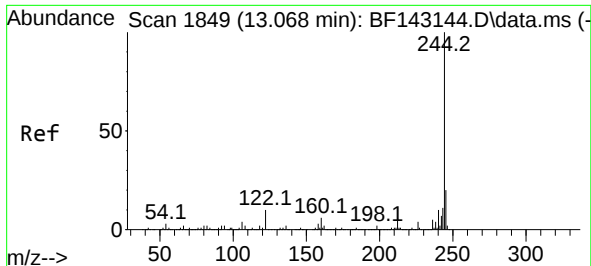
Tgt Ion:248 Resp: 11275  
Ion Ratio Lower Upper  
248 100  
250 200.8 78.3 117.5#  
141 448.5 59.2 88.8#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.121 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: BF143182.D  
Acq: 22 Jul 2025 11:25

Tgt Ion:240 Resp: 286775  
Ion Ratio Lower Upper  
240 100  
120 12.3 9.4 14.2  
236 25.2 20.2 30.4

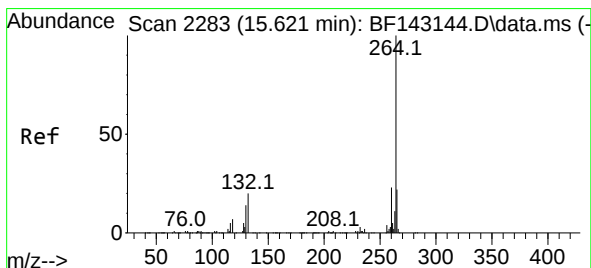
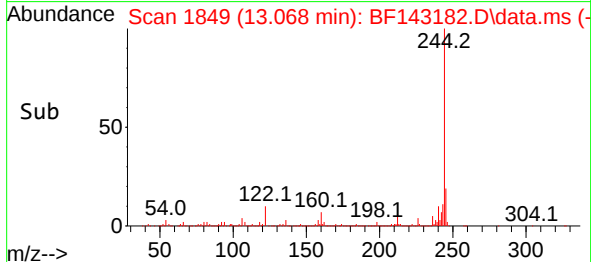
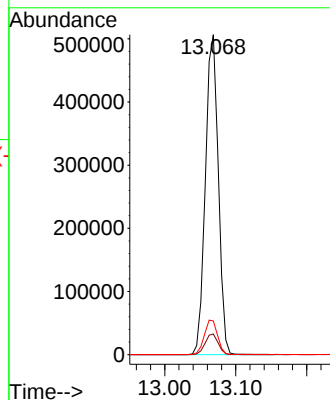
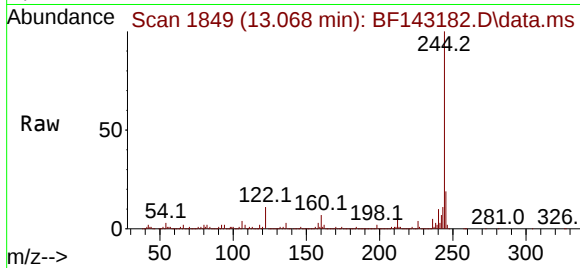




#79  
 Terphenyl-d14  
 Concen: 33.344 ng  
 RT: 13.068 min Scan# 1849  
 Delta R.T. -0.000 min  
 Lab File: BF143182.D  
 Acq: 22 Jul 2025 11:25

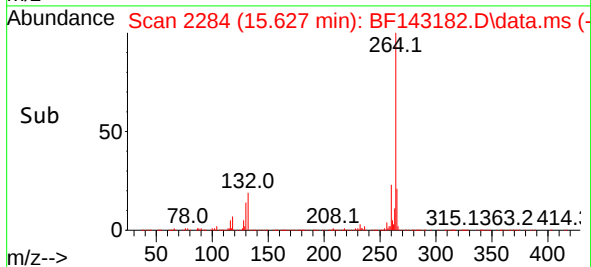
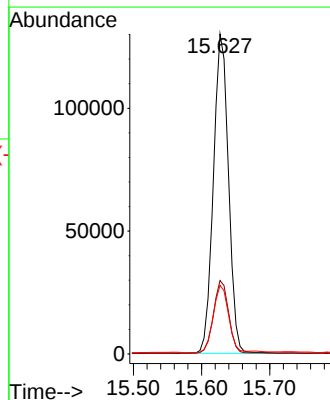
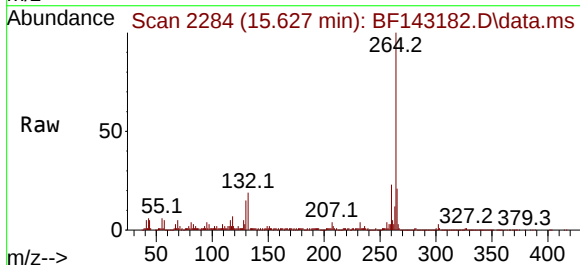
Instrument :  
 BNA\_F  
 ClientSampleId :  
 OU4-TS-31-071725

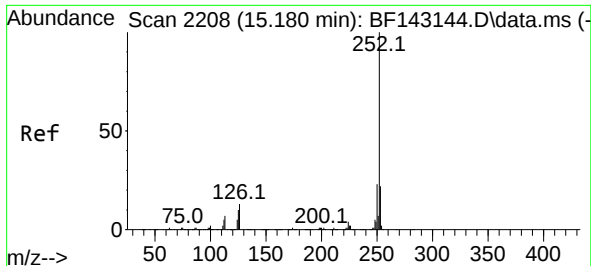
Tgt Ion:244 Resp: 642582  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.2 7.8  
 122 10.5 8.2 12.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.627 min Scan# 2284  
 Delta R.T. 0.006 min  
 Lab File: BF143182.D  
 Acq: 22 Jul 2025 11:25

Tgt Ion:264 Resp: 200780  
 Ion Ratio Lower Upper  
 264 100  
 260 23.0 18.5 27.7  
 265 21.4 17.4 26.2

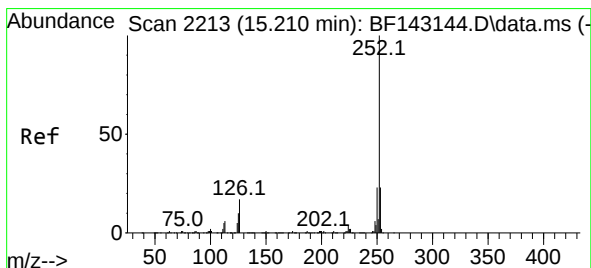
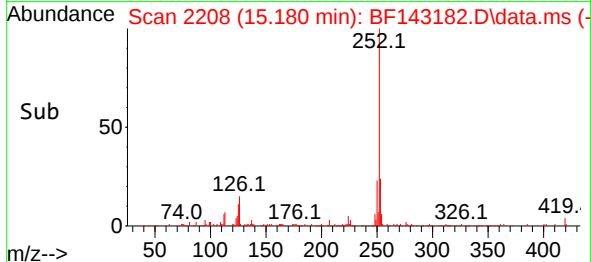
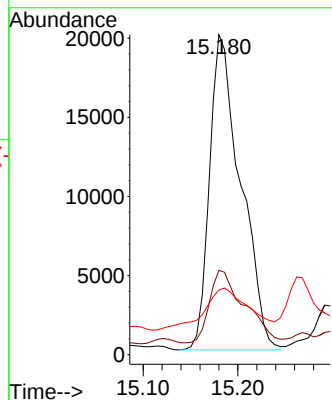
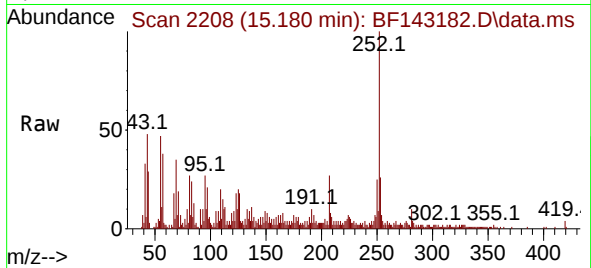




#88  
Benzo(b)fluoranthene  
Concen: 3.709 ng  
RT: 15.180 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BF143182.D  
Acq: 22 Jul 2025 11:25

Instrument :  
BNA\_F  
ClientSampleId :  
OU4-TS-31-071725

Tgt Ion:252 Resp: 45492  
Ion Ratio Lower Upper  
252 100  
253 26.3 17.5 26.3#  
125 20.2 8.0 12.0#



#89  
Benzo(k)fluoranthene  
Concen: 4.156 ng  
RT: 15.180 min Scan# 2208  
Delta R.T. -0.030 min  
Lab File: BF143182.D  
Acq: 22 Jul 2025 11:25

Tgt Ion:252 Resp: 45492  
Ion Ratio Lower Upper  
252 100  
253 26.3 17.8 26.6  
125 20.2 8.1 12.1#

