

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072225\  
 Data File : BF143184.D  
 Acq On : 22 Jul 2025 12:23  
 Operator : RC/JU  
 Sample : Q2638-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

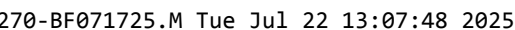
Instrument :  
 BNA\_F  
 ClientSampleId :  
 OU4-TS-33-071725

Quant Time: Jul 22 13:07:10 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  | 129721   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.245  | 136  | 491838   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.998  | 164  | 249711   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.486 | 188  | 370503   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.121 | 240  | 282018   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.633 | 264  | 184757   | 20.000 | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.592  | 112  | 617713   | 75.355 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.581  | 99   | 796922   | 77.236 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.516  | 82   | 525370   | 53.245 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.786 | 330  | 190091   | 73.689 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.316  | 172  | 887573   | 48.611 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.068 | 244  | 663272   | 34.998 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.516  | 70   | 70913    | 10.712 | ng    | # 80     |
| 25) Isophorone                | 7.516  | 82   | 521807   | 29.957 | ng    | # 66     |
| 32) Benzoic acid              | 7.998  | 122  | 281      | 5.233  | ng    | # 34     |
| 51) 2,6-Dinitrotoluene        | 9.998  | 165  | 32544    | 9.828  | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.998  | 165  | 32544    | 7.834  | ng    | # 20     |
| 65) 4,6-Dinitro-2-methylph... | 10.786 | 198  | 316      | 5.557  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.786 | 248  | 11884    | 2.691  | ng    | # 1      |
| 88) Benzo(b)fluoranthene      | 15.186 | 252  | 38688    | 3.428  | ng    | # 86     |
| 89) Benzo(k)fluoranthene      | 15.186 | 252  | 38688    | 3.841  | ng    | # 86     |
| -----                         |        |      |          |        |       |          |

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

Quant Time: Jul 22 13:07:10 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

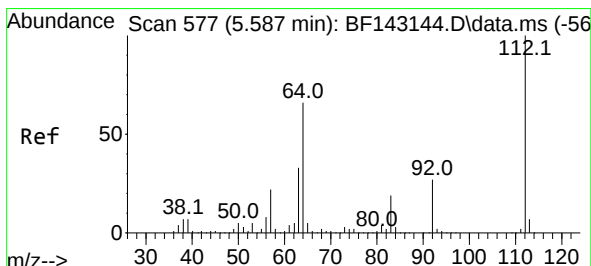
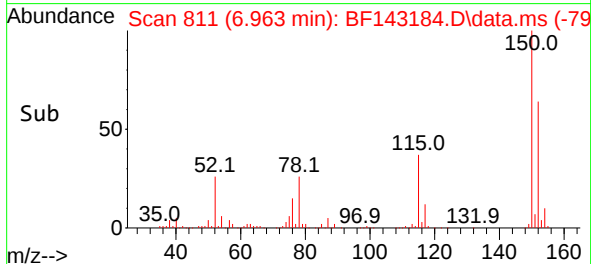
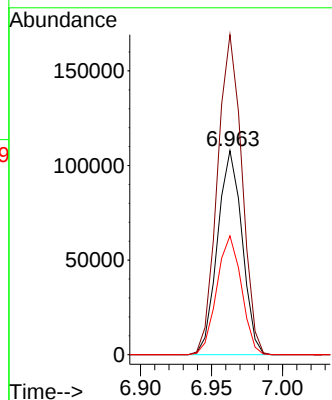
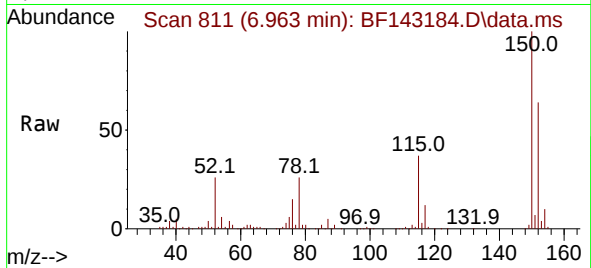




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.963 min Scan# 811  
Delta R.T. -0.000 min  
Lab File: BF143184.D  
Acq: 22 Jul 2025 12:23

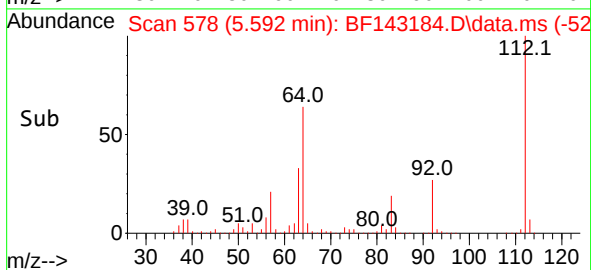
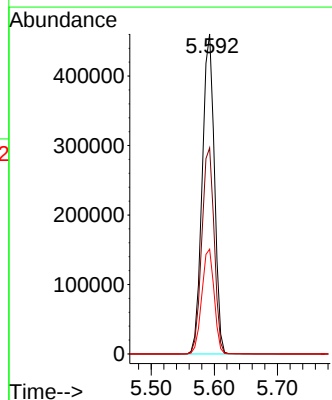
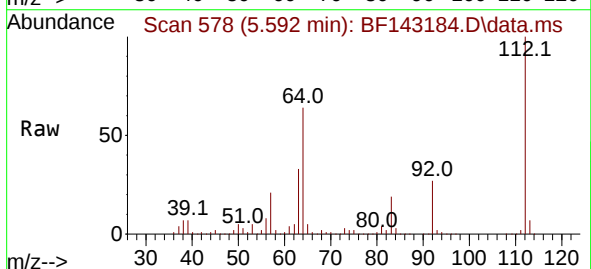
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-TS-33-071725

Tgt Ion:152 Resp: 129721  
Ion Ratio Lower Upper  
152 100  
150 156.9 128.2 192.4  
115 58.3 47.9 71.9



#5  
2-Fluorophenol  
Concen: 75.355 ng  
RT: 5.592 min Scan# 578  
Delta R.T. 0.006 min  
Lab File: BF143184.D  
Acq: 22 Jul 2025 12:23

Tgt Ion:112 Resp: 617713  
Ion Ratio Lower Upper  
112 100  
64 64.4 53.1 79.7  
63 32.7 26.6 40.0

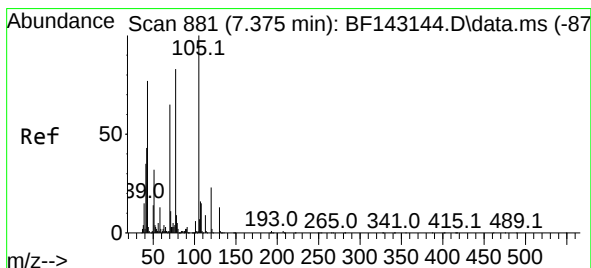
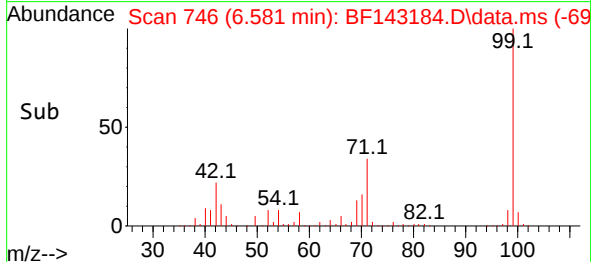
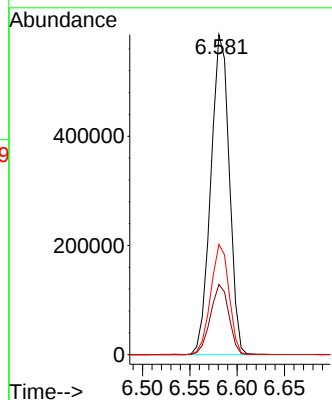
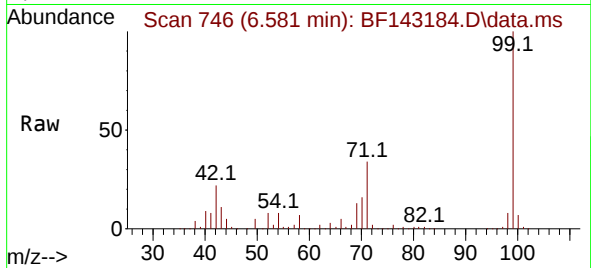




#7  
Phenol-d6  
Concen: 77.236 ng  
RT: 6.581 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: BF143184.D  
Acq: 22 Jul 2025 12:23

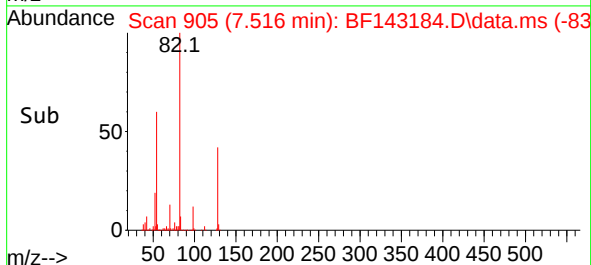
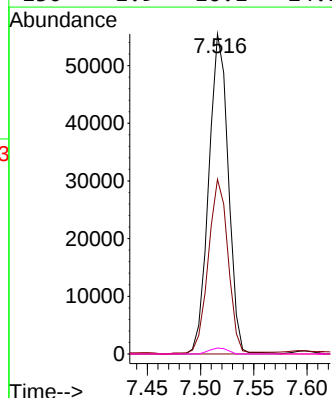
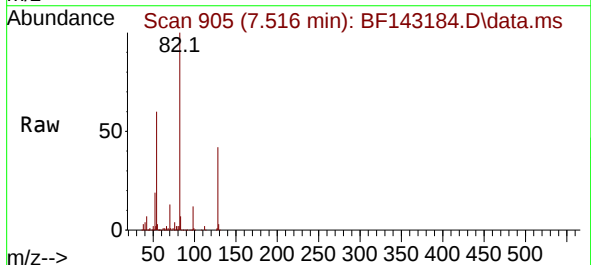
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-TS-33-071725

Tgt Ion: 99 Resp: 796922  
Ion Ratio Lower Upper  
99 100  
42 22.0 17.0 25.6  
71 34.5 27.7 41.5



#19  
n-Nitroso-di-n-propylamine  
Concen: 10.712 ng  
RT: 7.516 min Scan# 905  
Delta R.T. 0.141 min  
Lab File: BF143184.D  
Acq: 22 Jul 2025 12:23

Tgt Ion: 70 Resp: 70913  
Ion Ratio Lower Upper  
70 100  
42 54.6 52.5 78.7  
101 0.0 7.6 11.4#  
130 1.9 16.1 24.1#

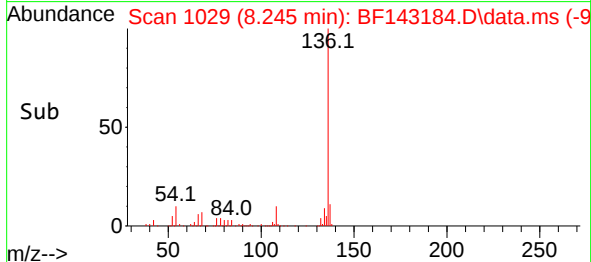
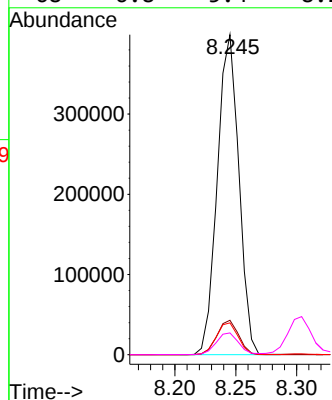
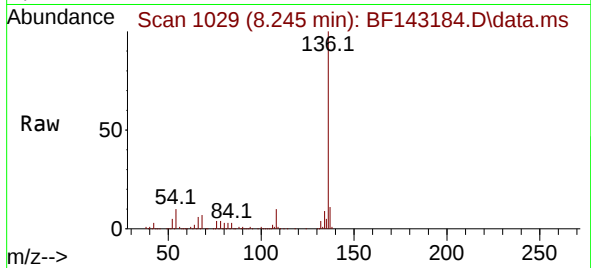




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.245 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: BF143184.D  
Acq: 22 Jul 2025 12:23

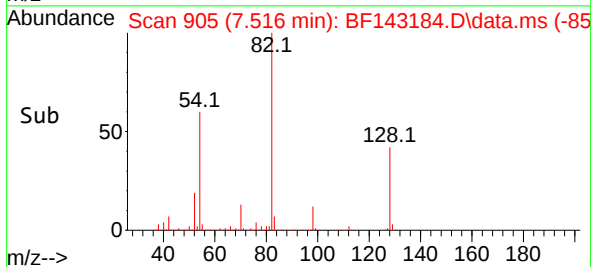
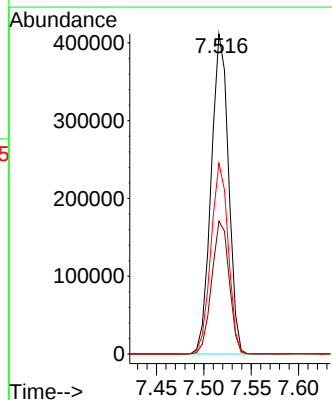
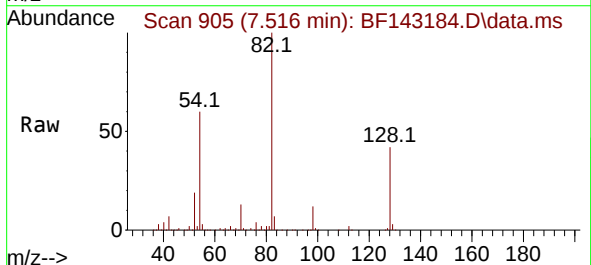
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-TS-33-071725

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 491838 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 8.6   | 13.0   |
| 54       | 9.9   | 8.2   | 12.2   |
| 68       | 6.8   | 5.4   | 8.2    |



#23  
Nitrobenzene-d5  
Concen: 53.245 ng  
RT: 7.516 min Scan# 905  
Delta R.T. -0.006 min  
Lab File: BF143184.D  
Acq: 22 Jul 2025 12:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 525370 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 41.5  | 33.6  | 50.4   |
| 54       | 59.6  | 47.1  | 70.7   |

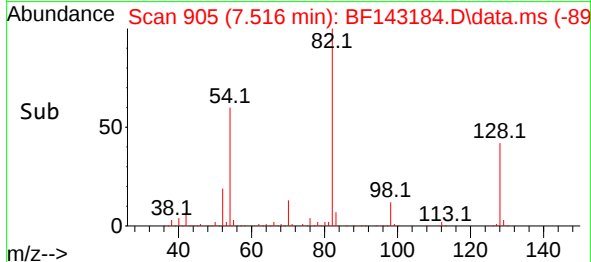
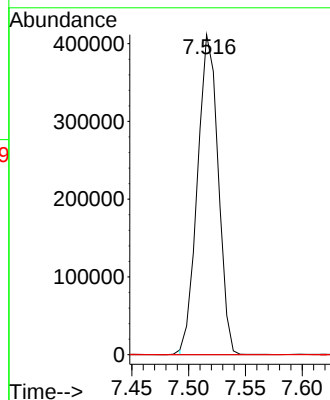
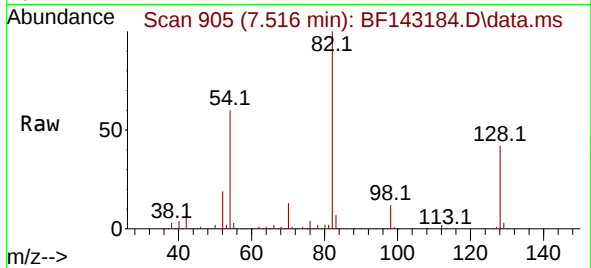




#25  
Isophorone  
Concen: 29.957 ng  
RT: 7.516 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF143184.D  
Acq: 22 Jul 2025 12:23

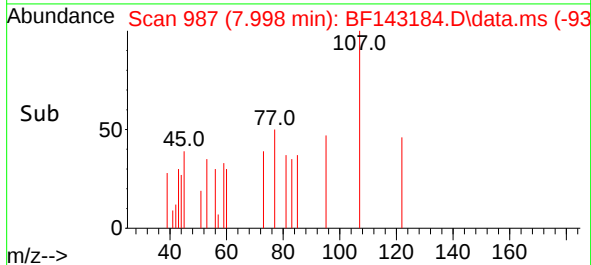
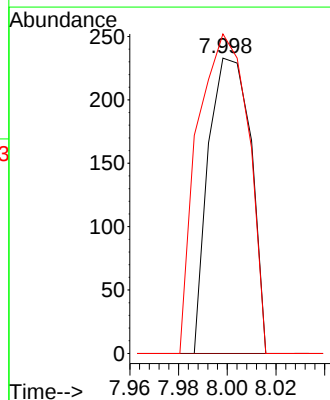
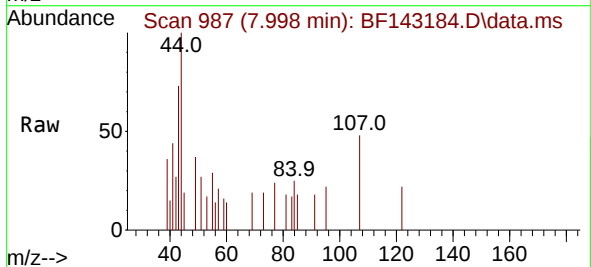
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-TS-33-071725

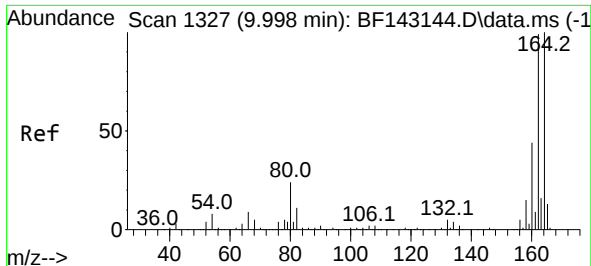
Tgt Ion: 82 Resp: 521807  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 13.8 20.8#



#32  
Benzoic acid  
Concen: 5.233 ng  
RT: 7.998 min Scan# 987  
Delta R.T. 0.006 min  
Lab File: BF143184.D  
Acq: 22 Jul 2025 12:23

Tgt Ion:122 Resp: 281  
Ion Ratio Lower Upper  
122 100  
105 0.0 104.8 144.8#  
77 108.2 77.6 117.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143184.D

Acq: 22 Jul 2025 12:23

Instrument :

BNA\_F

ClientSampleId :

OU4-TS-33-071725

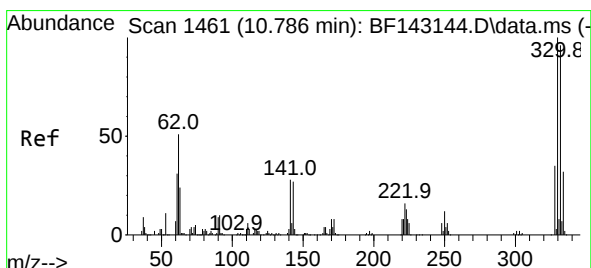
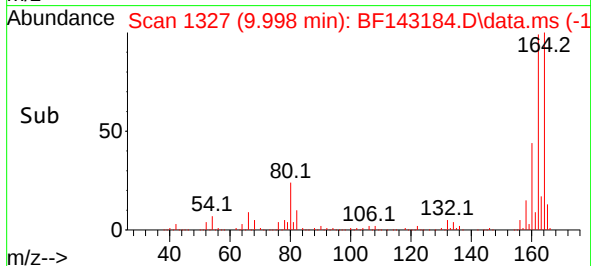
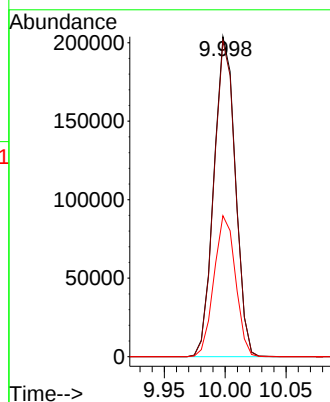
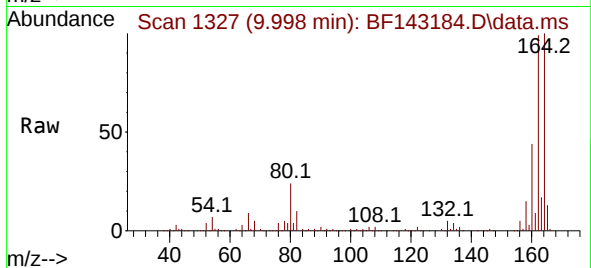
Tgt Ion:164 Resp: 249711

Ion Ratio Lower Upper

164 100

162 98.7 79.0 118.6

160 44.1 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 73.689 ng

RT: 10.786 min Scan# 1461

Delta R.T. -0.000 min

Lab File: BF143184.D

Acq: 22 Jul 2025 12:23

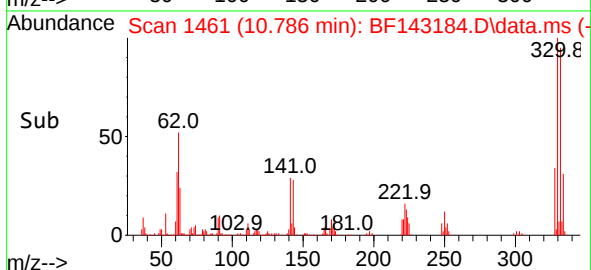
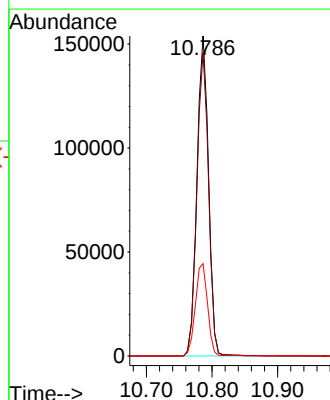
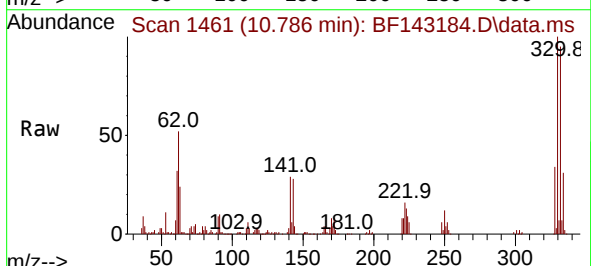
Tgt Ion:330 Resp: 190091

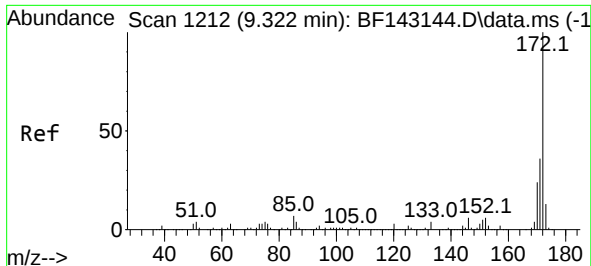
Ion Ratio Lower Upper

330 100

332 95.0 76.7 115.1

141 30.2 23.3 34.9

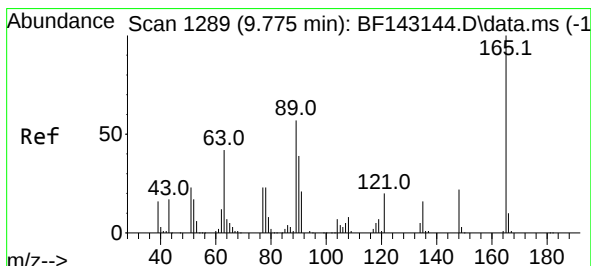
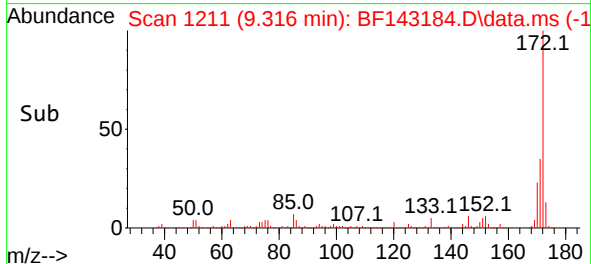
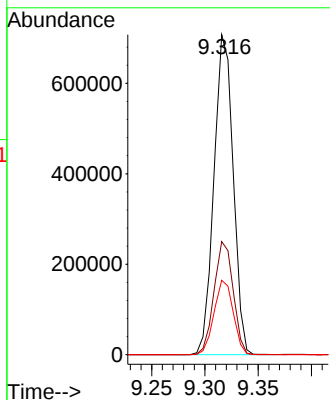
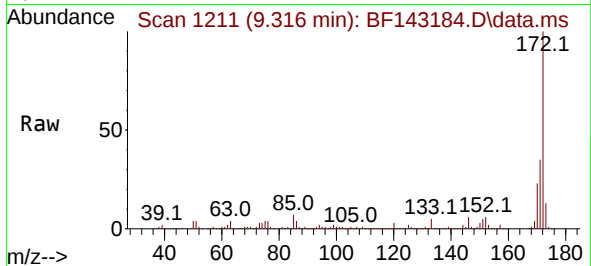




#45  
2-Fluorobiphenyl  
Concen: 48.611 ng  
RT: 9.316 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF143184.D  
Acq: 22 Jul 2025 12:23

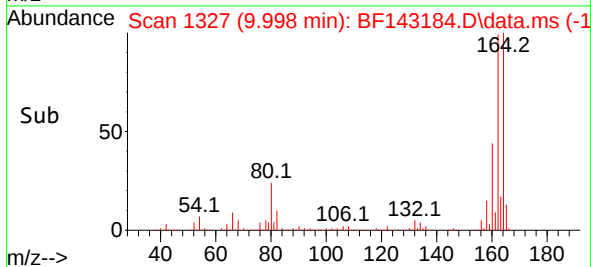
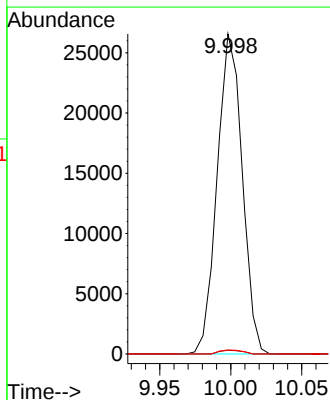
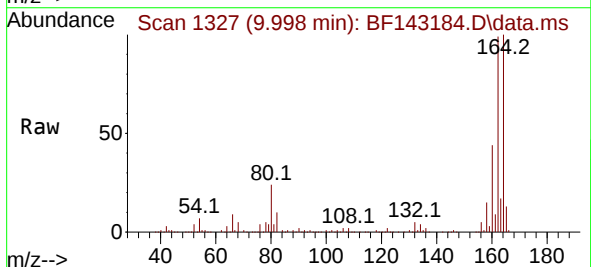
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-TS-33-071725

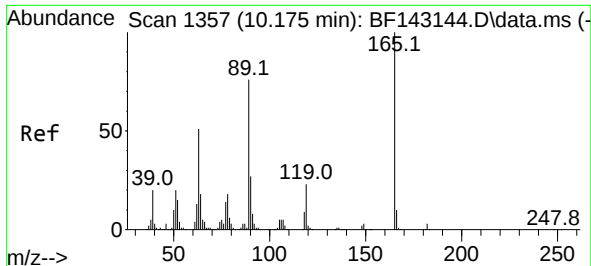
Tgt Ion:172 Resp: 887573  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.6 42.8  
170 23.3 18.8 28.2



#51  
2,6-Dinitrotoluene  
Concen: 9.828 ng  
RT: 9.998 min Scan# 1327  
Delta R.T. 0.223 min  
Lab File: BF143184.D  
Acq: 22 Jul 2025 12:23

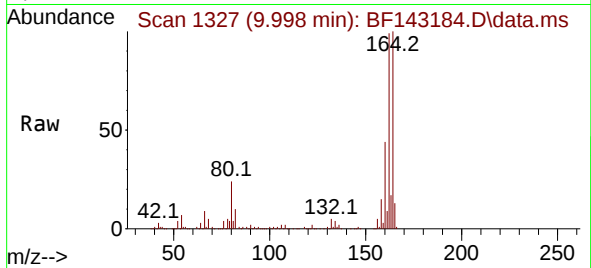
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Ion Ratio Lower Upper  
165 100  
63 1.1 49.4 74.2#  
89 1.3 46.2 69.2#



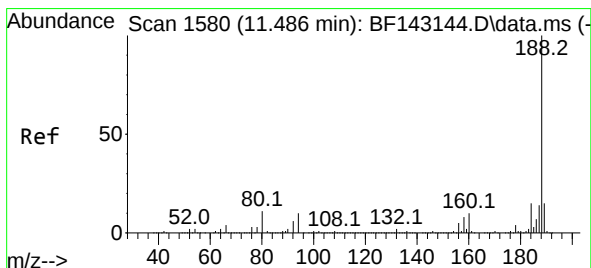
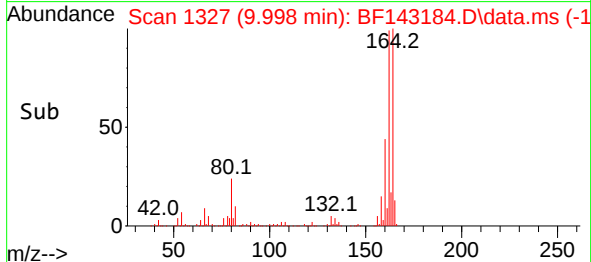
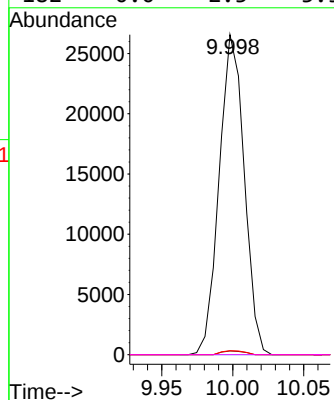


#57  
2,4-Dinitrotoluene  
Concen: 7.834 ng  
RT: 9.998 min Scan# 11  
Delta R.T. -0.176 min  
Lab File: BF143184.D  
Acq: 22 Jul 2025 12:23

Instrument :  
BNA\_F  
ClientSampleId :  
OU4-TS-33-071725

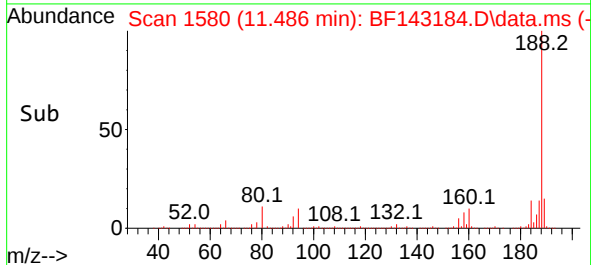
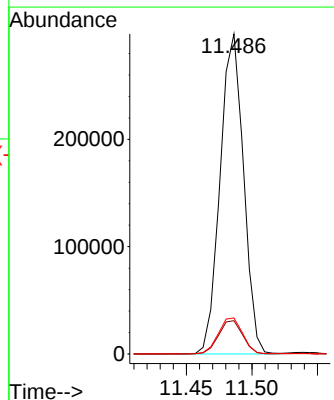
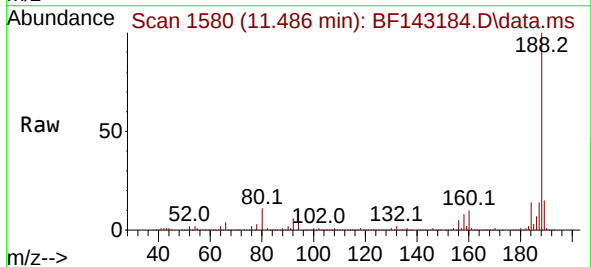


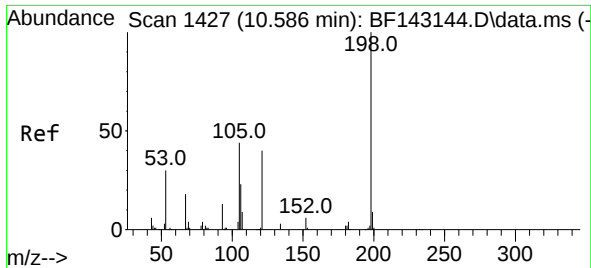
Tgt Ion:165 Resp: 32544  
Ion Ratio Lower Upper  
165 100  
63 1.1 41.0 61.4#  
89 1.3 61.1 91.7#  
182 0.0 2.3 3.5#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.486 min Scan# 1580  
Delta R.T. -0.000 min  
Lab File: BF143184.D  
Acq: 22 Jul 2025 12:23

Tgt Ion:188 Resp: 370503  
Ion Ratio Lower Upper  
188 100  
94 10.4 8.3 12.5  
80 11.3 9.0 13.6

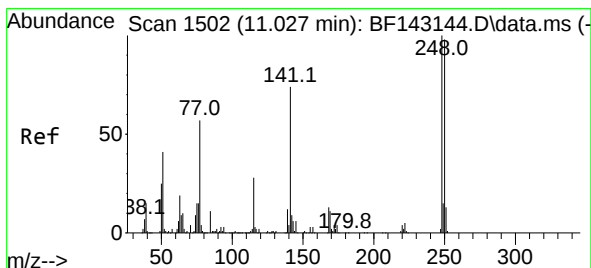
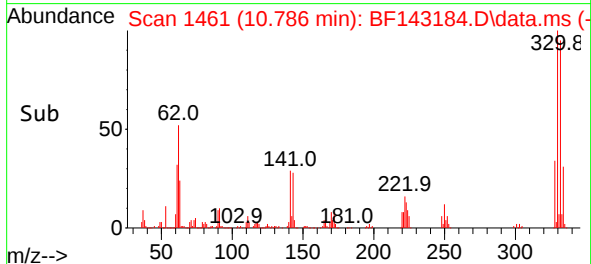
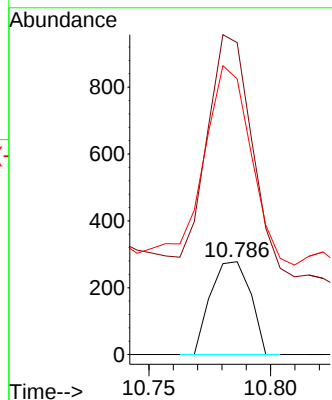
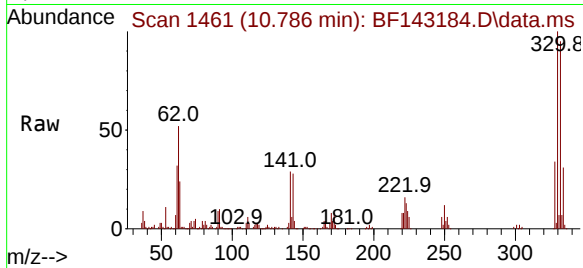




#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.557 ng  
RT: 10.786 min Scan# 1461  
Delta R.T. 0.200 min  
Lab File: BF143184.D  
Acq: 22 Jul 2025 12:23

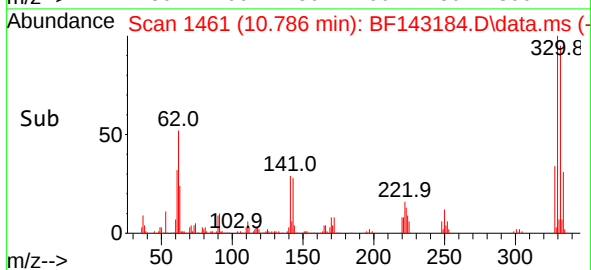
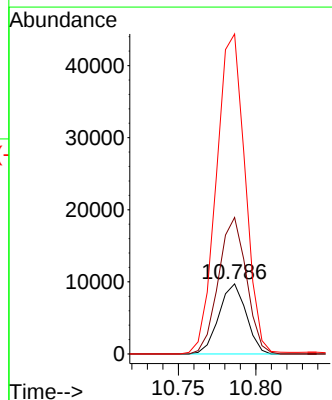
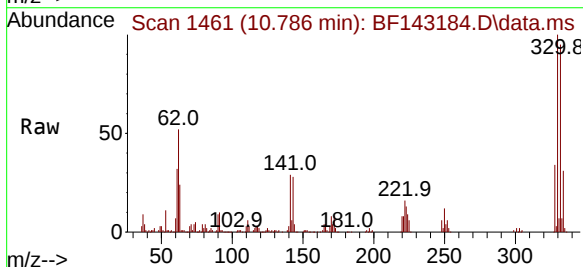
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-TS-33-071725

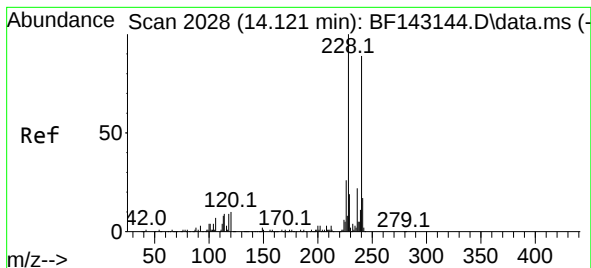
Tgt Ion:198 Resp: 316  
Ion Ratio Lower Upper  
198 100  
51 335.6 37.2 77.2#  
105 296.8 24.8 64.8#



#67  
4-Bromophenyl-phenylether  
Concen: 2.691 ng  
RT: 10.786 min Scan# 1461  
Delta R.T. -0.241 min  
Lab File: BF143184.D  
Acq: 22 Jul 2025 12:23

Tgt Ion:248 Resp: 11884  
Ion Ratio Lower Upper  
248 100  
250 194.6 78.3 117.5#  
141 456.3 59.2 88.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF143184.D

Acq: 22 Jul 2025 12:23

Instrument :

BNA\_F

ClientSampleId :

OU4-TS-33-071725

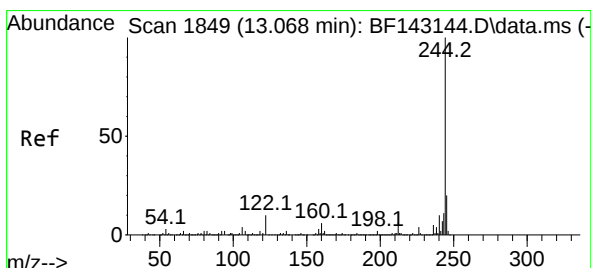
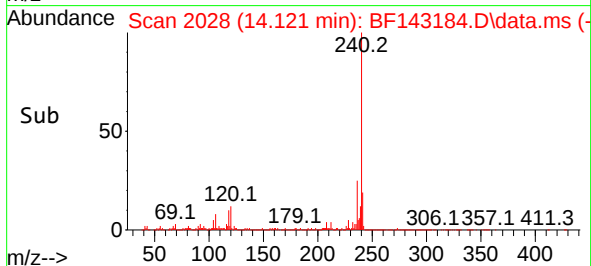
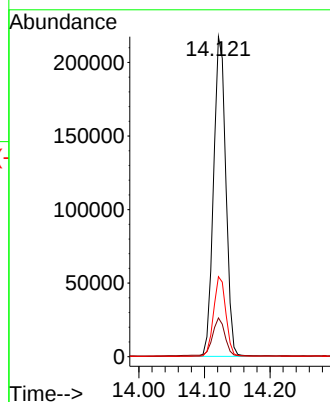
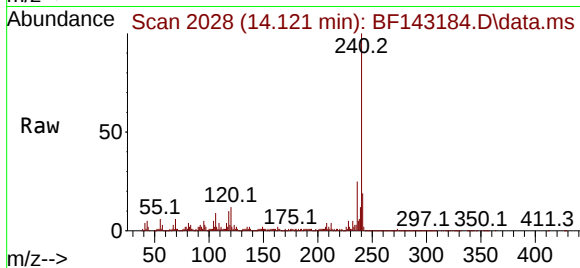
Tgt Ion:240 Resp: 282018

Ion Ratio Lower Upper

240 100

120 12.1 9.4 14.2

236 25.0 20.2 30.4



#79

Terphenyl-d14

Concen: 34.998 ng

RT: 13.068 min Scan# 1849

Delta R.T. -0.000 min

Lab File: BF143184.D

Acq: 22 Jul 2025 12:23

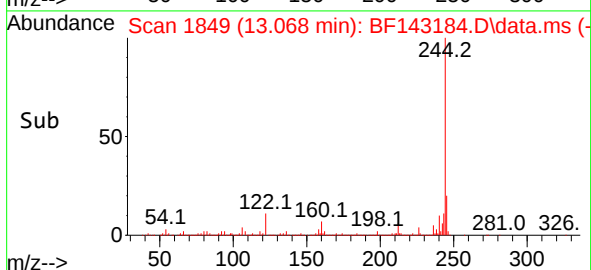
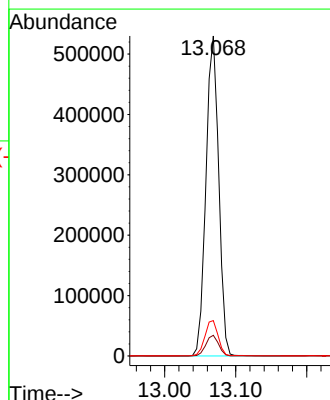
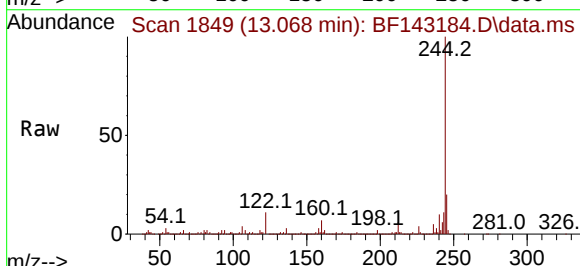
Tgt Ion:244 Resp: 663272

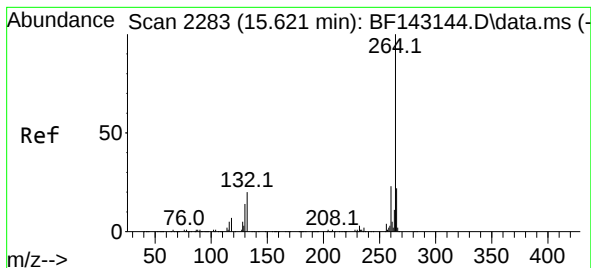
Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 11.1 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.633 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143184.D

Acq: 22 Jul 2025 12:23

Instrument :

BNA\_F

ClientSampleId :

OU4-TS-33-071725

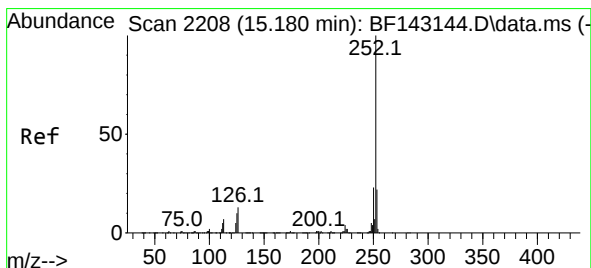
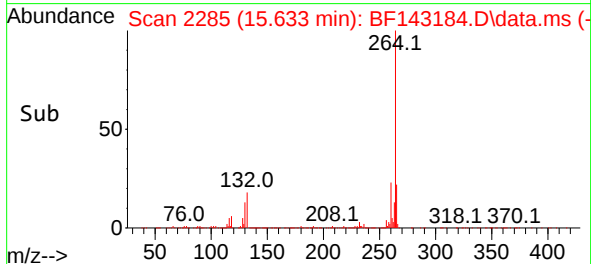
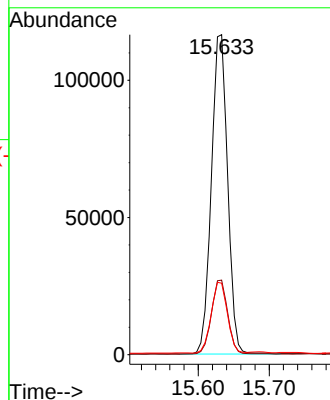
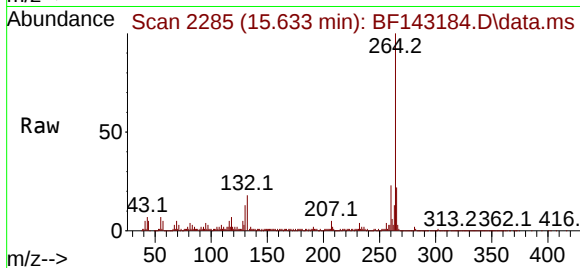
Tgt Ion:264 Resp: 184757

Ion Ratio Lower Upper

264 100

260 23.3 18.5 27.7

265 22.4 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 3.428 ng

RT: 15.186 min Scan# 2209

Delta R.T. 0.006 min

Lab File: BF143184.D

Acq: 22 Jul 2025 12:23

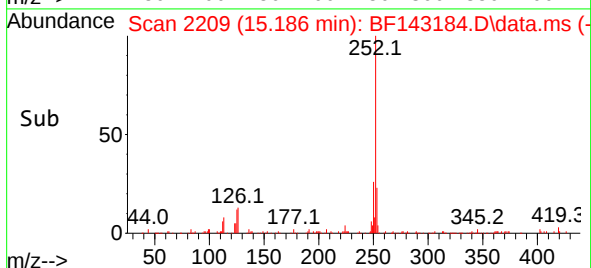
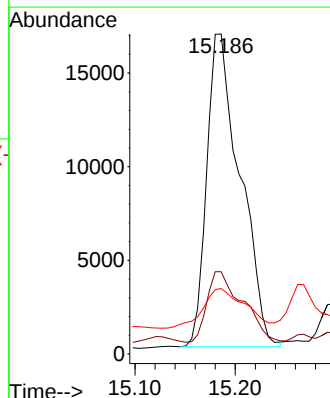
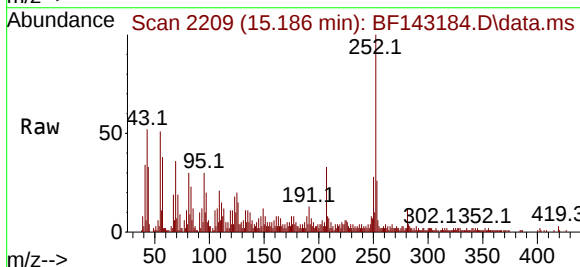
Tgt Ion:252 Resp: 38688

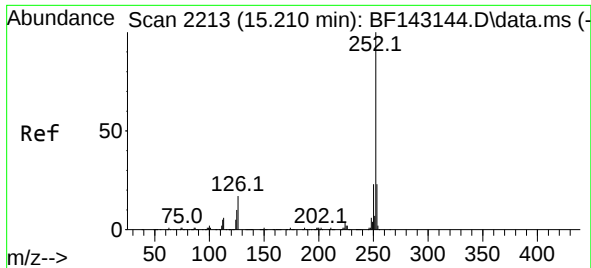
Ion Ratio Lower Upper

252 100

253 25.7 17.5 26.3

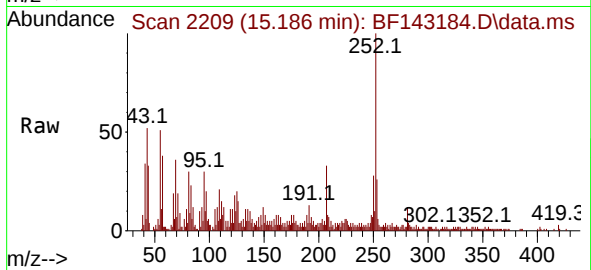
125 20.4 8.0 12.0#





#89  
Benzo(k)fluoranthene  
Concen: 3.841 ng  
RT: 15.186 min Scan# 21  
Delta R.T. -0.024 min  
Lab File: BF143184.D  
Acq: 22 Jul 2025 12:23

Instrument :  
BNA\_F  
ClientSampleId :  
OU4-TS-33-071725



Tgt Ion:252 Resp: 38688  
Ion Ratio Lower Upper  
252 100  
253 25.7 17.8 26.6  
125 20.4 8.1 12.1#

