

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101525\  
 Data File : BF143966.D  
 Acq On : 15 Oct 2025 21:51  
 Operator : RC/JU  
 Sample : Q3337-03  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LAYDOWN-YARD-2

Quant Time: Oct 16 11:11:48 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100625.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 06 15:29:47 2025  
 Response via : Initial Calibration

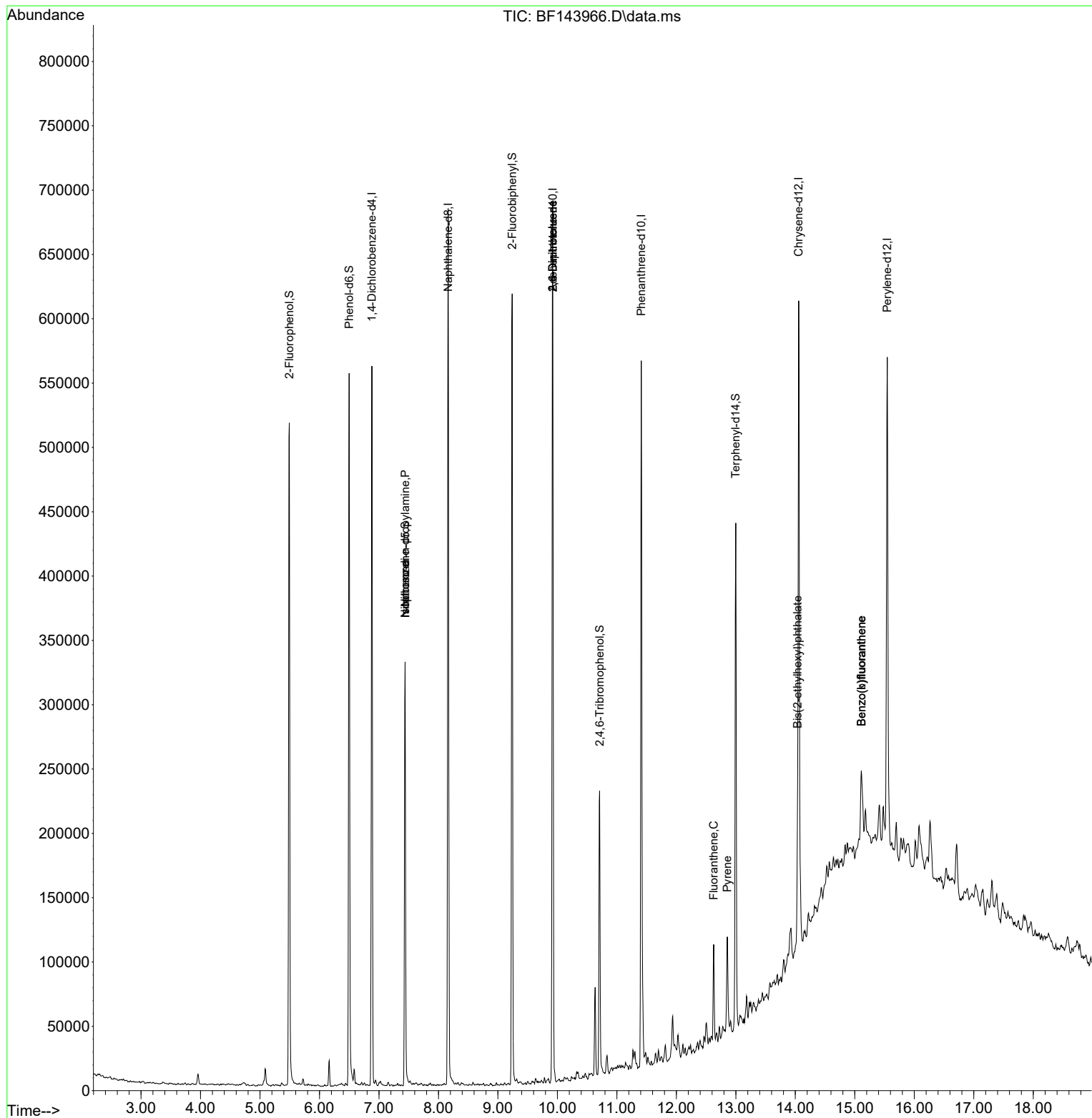
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.881  | 152  | 114727   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.163  | 136  | 418108   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.922  | 164  | 206014   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 288040   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 238310   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12              | 15.545 | 264  | 245031   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 211625   | 29.292 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 248007   | 28.800 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.439  | 82   | 142698   | 20.735 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 39338    | 19.171 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.239  | 172  | 298139   | 22.963 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.998 | 244  | 195937   | 14.052 | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.439  | 70   | 20404    | 3.461  | ng    | # 78     |
| 25) Isophorone                | 7.439  | 82   | 113974   | 7.854  | ng    | # 68     |
| 51) 2,6-Dinitrotoluene        | 9.922  | 165  | 25702    | 10.595 | ng    | # 26     |
| 57) 2,4-Dinitrotoluene        | 9.922  | 165  | 25702    | 7.787  | ng    | # 27     |
| 75) Fluoranthene              | 12.627 | 202  | 44474    | 3.083  | ng    | 98       |
| 78) Pyrene                    | 12.857 | 202  | 41826    | 2.105  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.039 | 149  | 28403    | 3.652  | ng    | # 93     |
| 88) Benzo(b)fluoranthene      | 15.110 | 252  | 42283    | 3.004  | ng    | # 91     |
| 89) Benzo(k)fluoranthene      | 15.110 | 252  | 42283    | 3.247  | ng    | # 91     |
| -----                         |        |      |          |        |       |          |

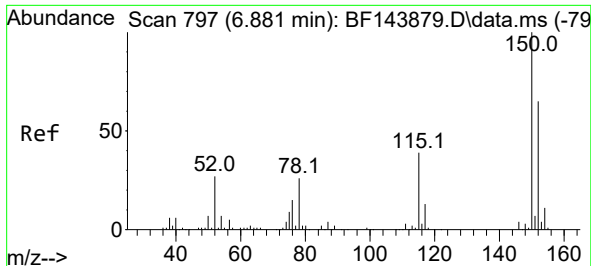
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101525\  
Data File : BF143966.D  
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Sample : Q3337-03  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
LAYDOWN-YARD-2

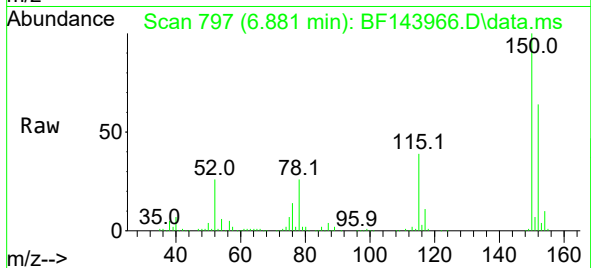
Quant Time: Oct 16 11:11:48 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 06 15:29:47 2025  
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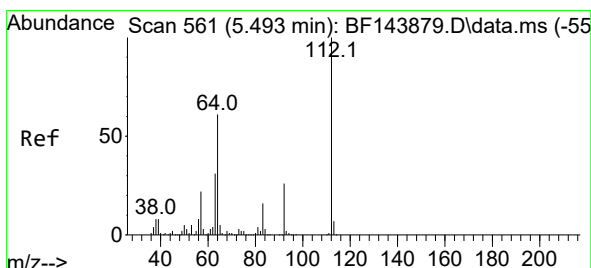
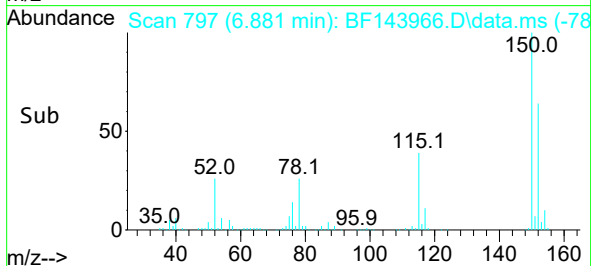
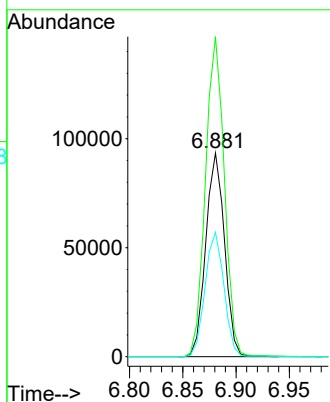


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.881 min Scan# 797  
Delta R.T. -0.005 min  
Lab File: BF143966.D  
Acq: 15 Oct 2025 21:51

Instrument :  
BNA\_F  
ClientSampleId :  
LAYDOWN-YARD-2

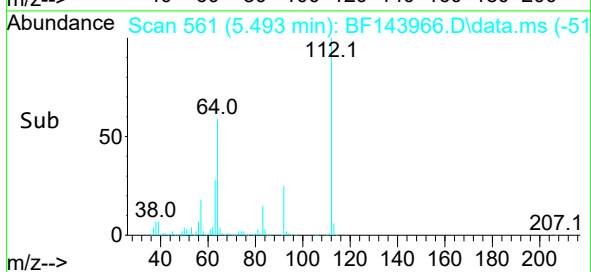
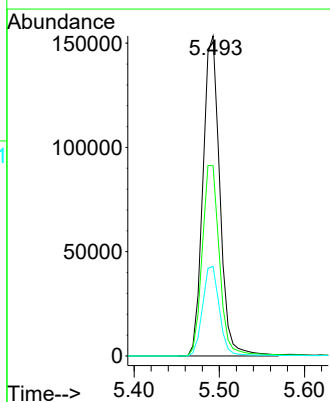
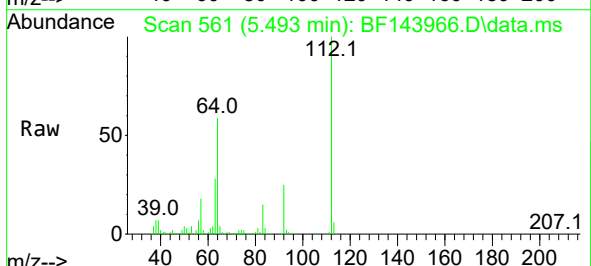


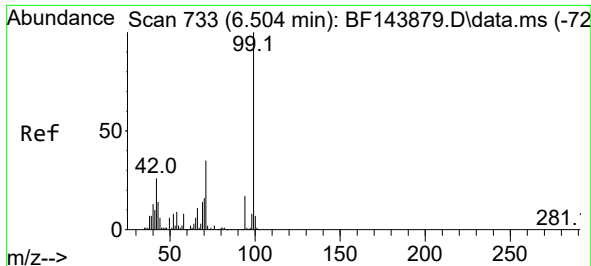
Tgt Ion:152 Resp: 114727  
Ion Ratio Lower Upper  
152 100  
150 157.1 124.4 186.6  
115 61.1 48.1 72.1



#5  
2-Fluorophenol  
Concen: 29.292 ng  
RT: 5.493 min Scan# 561  
Delta R.T. -0.006 min  
Lab File: BF143966.D  
Acq: 15 Oct 2025 21:51

Tgt Ion:112 Resp: 211625  
Ion Ratio Lower Upper  
112 100  
64 59.4 49.1 73.7  
63 28.0 24.5 36.7

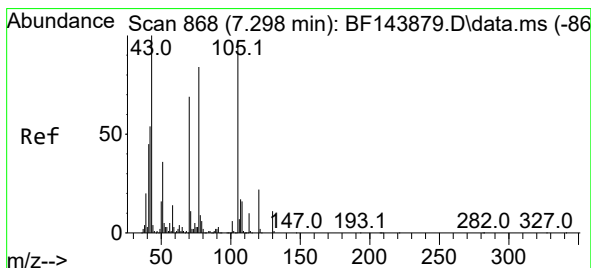
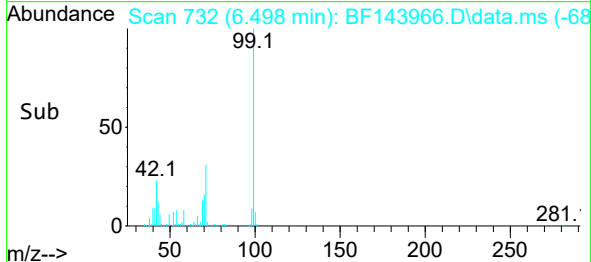
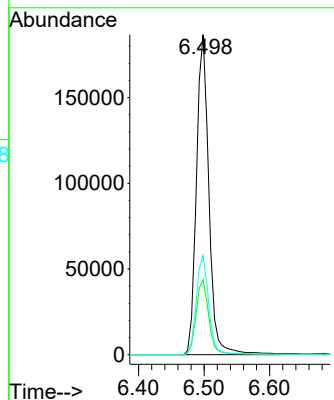
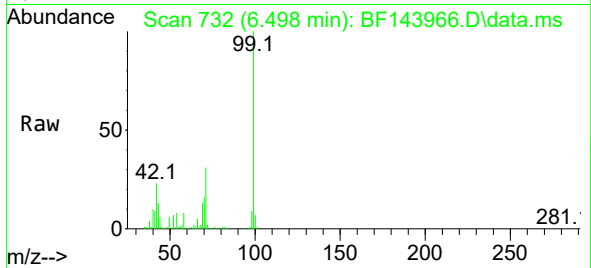




#7  
Phenol-d6  
Concen: 28.800 ng  
RT: 6.498 min Scan# 71  
Delta R.T. -0.018 min  
Lab File: BF143966.D  
Acq: 15 Oct 2025 21:51

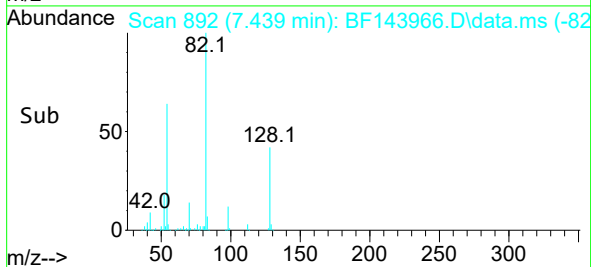
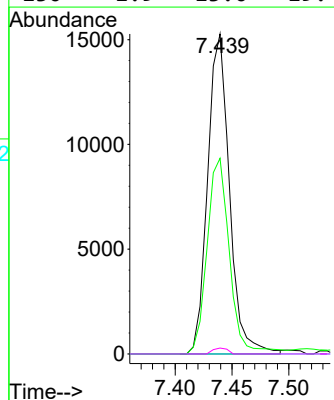
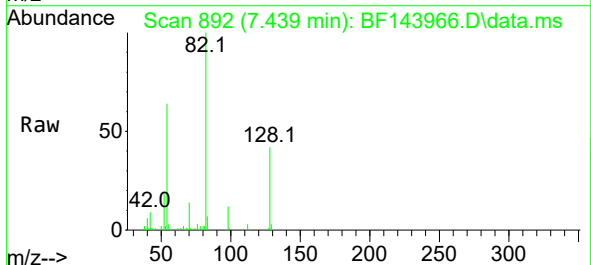
Instrument :  
BNA\_F  
ClientSampleId :  
LAYDOWN-YARD-2

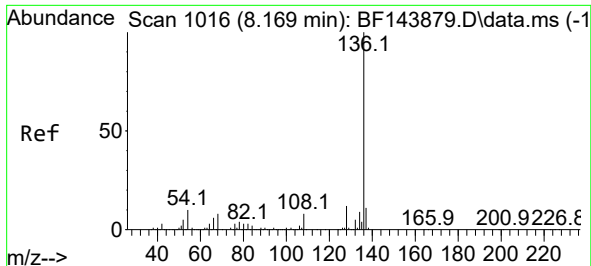
Tgt Ion: 99 Resp: 248007  
Ion Ratio Lower Upper  
99 100  
42 23.5 21.0 31.4  
71 31.0 27.8 41.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 3.461 ng  
RT: 7.439 min Scan# 892  
Delta R.T. 0.124 min  
Lab File: BF143966.D  
Acq: 15 Oct 2025 21:51

Tgt Ion: 70 Resp: 20404  
Ion Ratio Lower Upper  
70 100  
42 61.1 62.8 94.2#  
101 0.0 6.7 10.1#  
130 1.9 13.0 19.4#

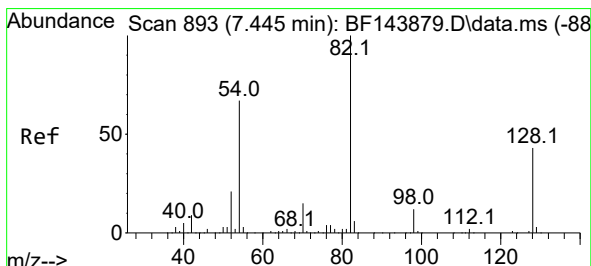
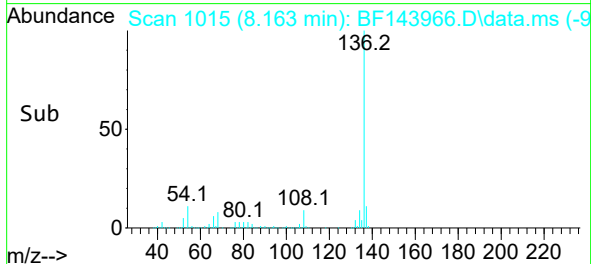
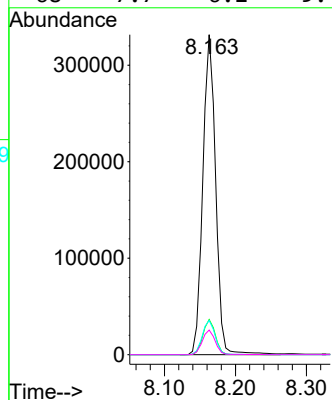
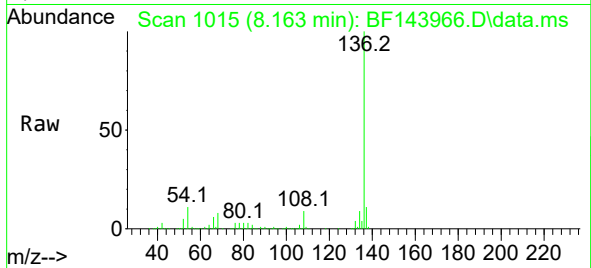




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.163 min Scan# 1016  
Delta R.T. -0.006 min  
Lab File: BF143966.D  
Acq: 15 Oct 2025 21:51

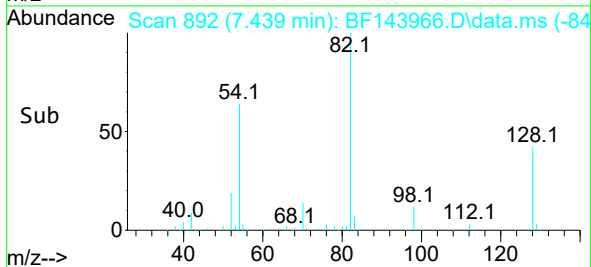
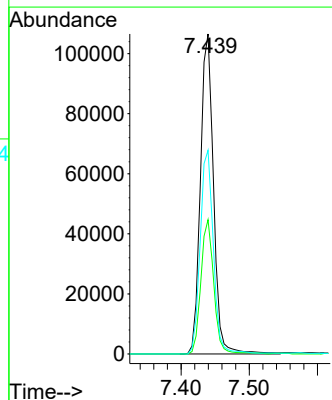
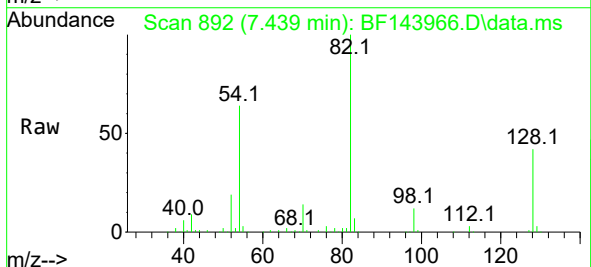
Instrument :  
BNA\_F  
ClientSampleId :  
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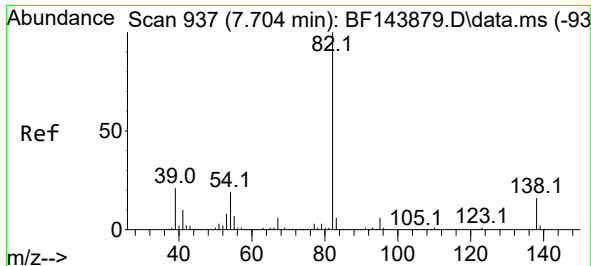
Tgt Ion:136 Resp: 418108  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.5 12.7  
54 10.7 8.2 12.4  
68 7.7 6.2 9.4



#23  
Nitrobenzene-d5  
Concen: 20.735 ng  
RT: 7.439 min Scan# 892  
Delta R.T. -0.018 min  
Lab File: BF143966.D  
Acq: 15 Oct 2025 21:51

Tgt Ion: 82 Resp: 142698  
Ion Ratio Lower Upper  
82 100  
128 41.9 34.0 51.0  
54 63.6 53.2 79.8

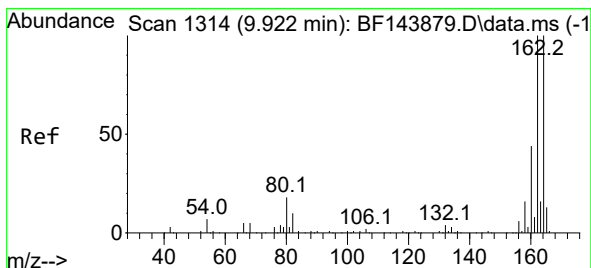
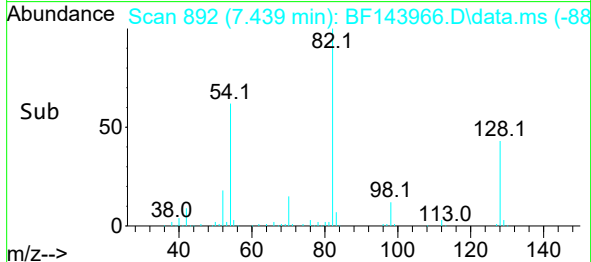
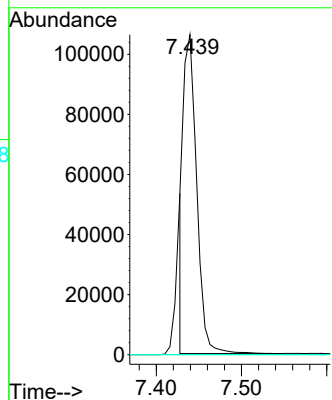
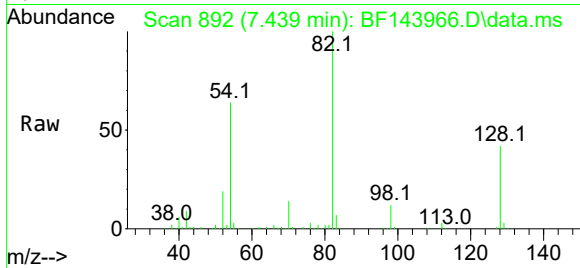




#25  
Isophorone  
Concen: 7.854 ng  
RT: 7.439 min Scan# 89  
Delta R.T. -0.282 min  
Lab File: BF143966.D  
Acq: 15 Oct 2025 21:51

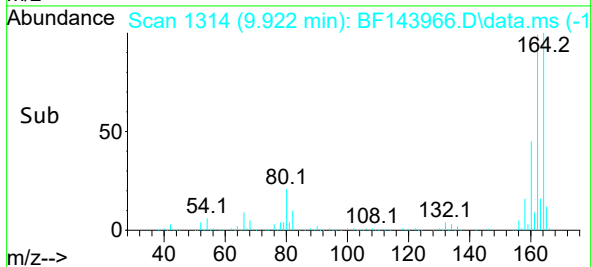
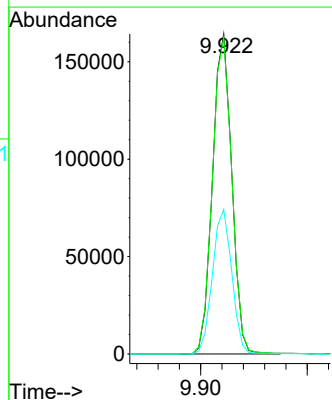
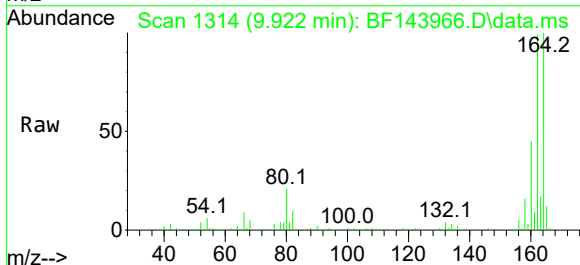
Instrument :  
BNA\_F  
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LAYDOWN-YARD-2

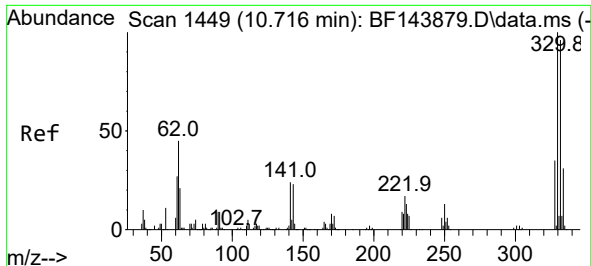
Tgt Ion: 82 Resp: 113974  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.1 7.7#  
138 0.0 12.9 19.3#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.922 min Scan# 1314  
Delta R.T. -0.005 min  
Lab File: BF143966.D  
Acq: 15 Oct 2025 21:51

Tgt Ion: 164 Resp: 206014  
Ion Ratio Lower Upper  
164 100  
162 98.9 80.2 120.2  
160 45.2 35.4 53.0

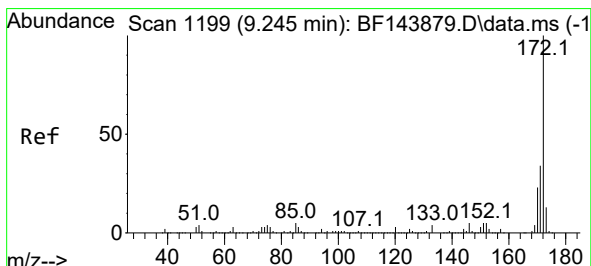
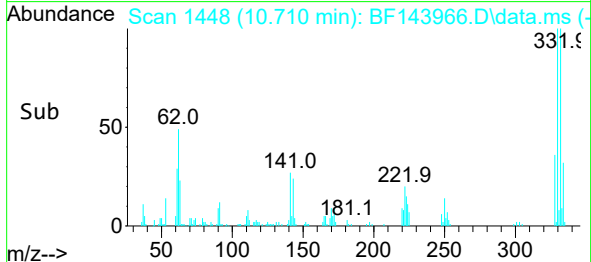
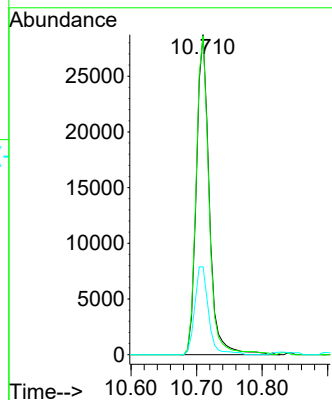
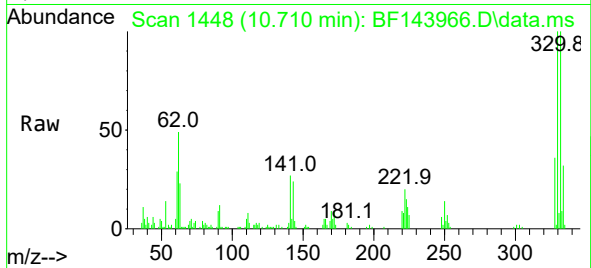




#42  
2,4,6-Tribromophenol  
Concen: 19.171 ng  
RT: 10.710 min Scan# 1449  
Delta R.T. -0.012 min  
Lab File: BF143966.D  
Acq: 15 Oct 2025 21:51

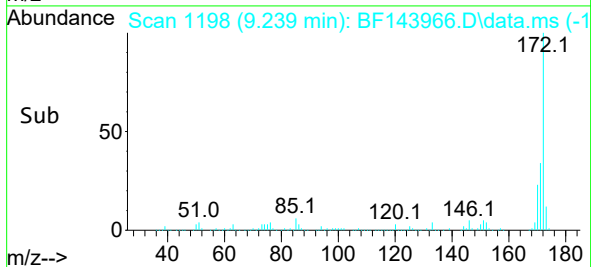
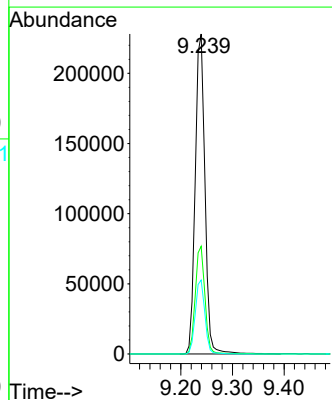
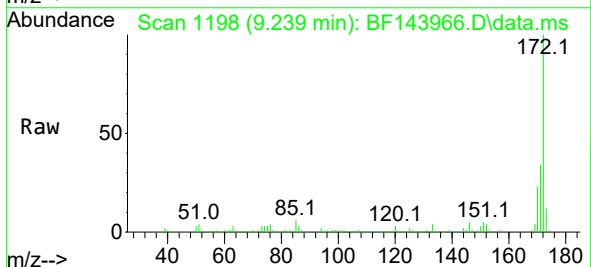
Instrument :  
BNA\_F  
ClientSampleId :  
LAYDOWN-YARD-2

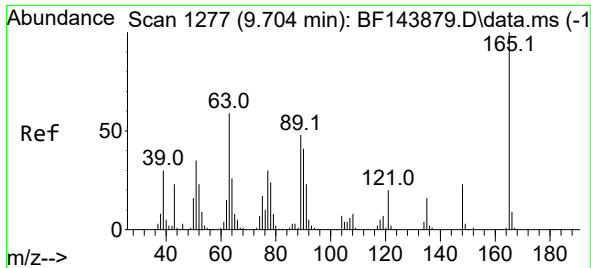
Tgt Ion: 330 Resp: 39338  
Ion Ratio Lower Upper  
330 100  
332 99.4 76.9 115.3  
141 29.3 20.2 30.4



#45  
2-Fluorobiphenyl  
Concen: 22.963 ng  
RT: 9.239 min Scan# 1198  
Delta R.T. -0.012 min  
Lab File: BF143966.D  
Acq: 15 Oct 2025 21:51

Tgt Ion: 172 Resp: 298139  
Ion Ratio Lower Upper  
172 100  
171 33.6 27.4 41.0  
170 23.1 18.6 28.0

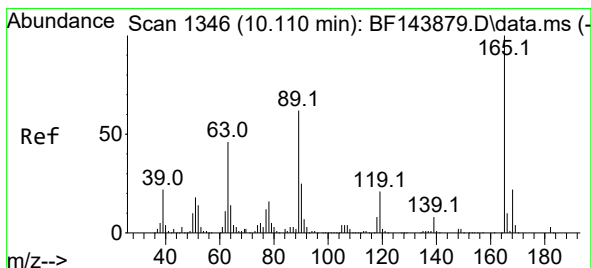
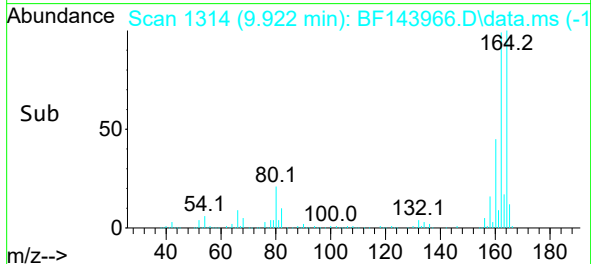
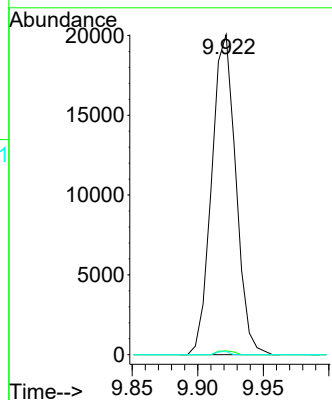
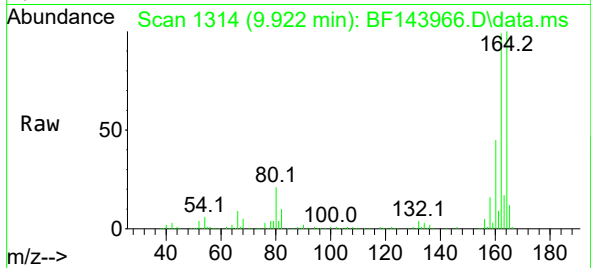




#51  
2,6-Dinitrotoluene  
Concen: 10.595 ng  
RT: 9.922 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF143966.D  
Acq: 15 Oct 2025 21:51

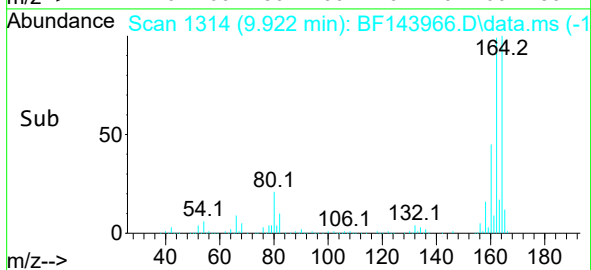
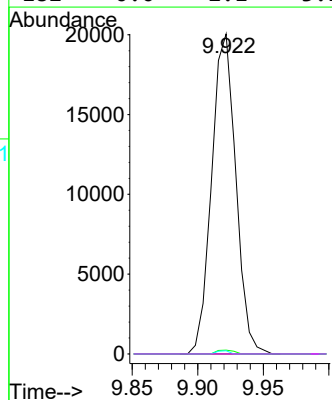
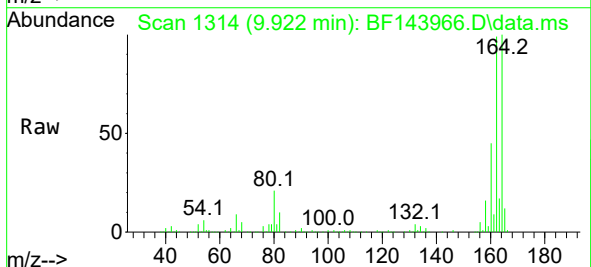
Instrument :  
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ClientSampleId :  
LAYDOWN-YARD-2

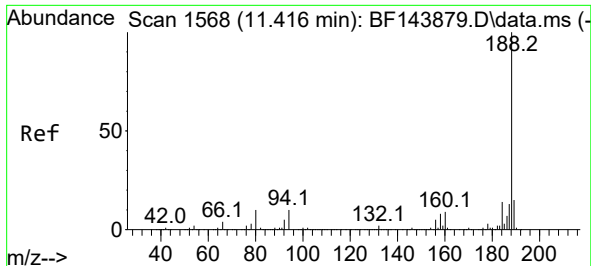
Tgt Ion:165 Resp: 25702  
Ion Ratio Lower Upper  
165 100  
63 1.2 47.3 70.9#  
89 1.0 38.2 57.4#



#57  
2,4-Dinitrotoluene  
Concen: 7.787 ng  
RT: 9.922 min Scan# 1314  
Delta R.T. -0.194 min  
Lab File: BF143966.D  
Acq: 15 Oct 2025 21:51

Tgt Ion:165 Resp: 25702  
Ion Ratio Lower Upper  
165 100  
63 1.2 37.2 55.8#  
89 1.0 49.4 74.2#  
182 0.0 2.1 3.1#

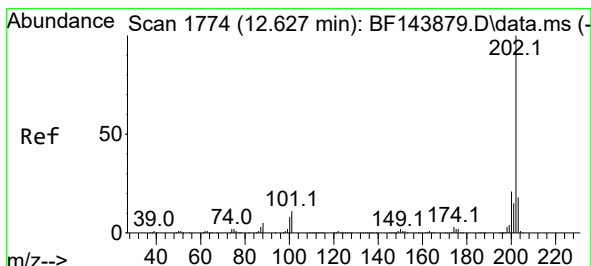
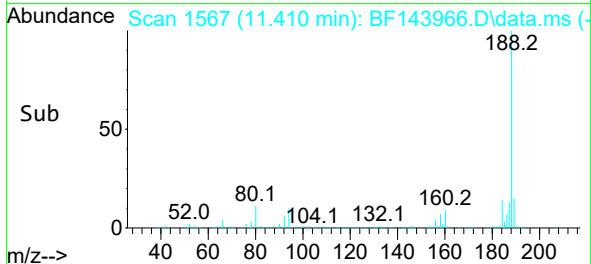
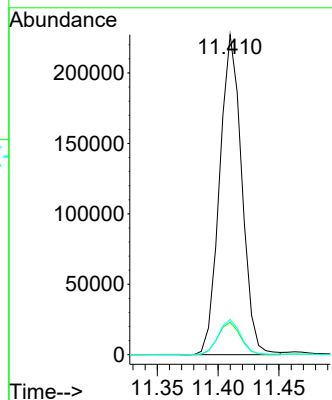
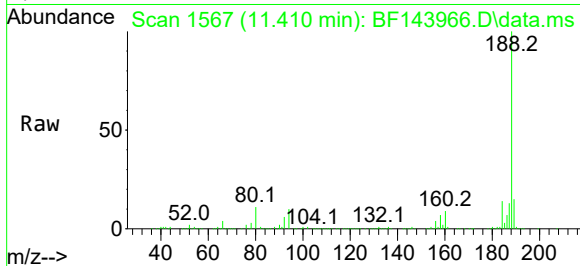




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF143966.D  
Acq: 15 Oct 2025 21:51

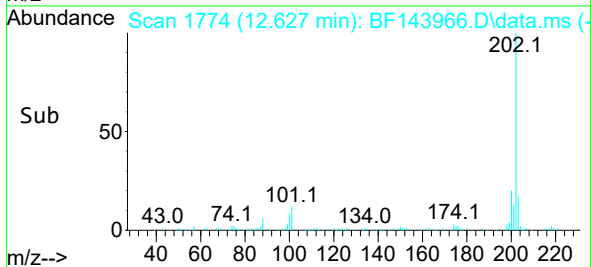
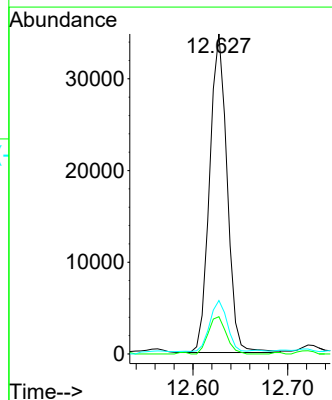
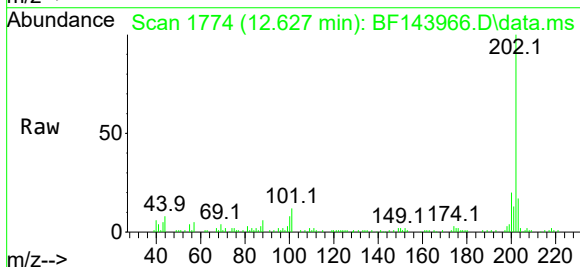
Instrument :  
BNA\_F  
ClientSampleId :  
LAYDOWN-YARD-2

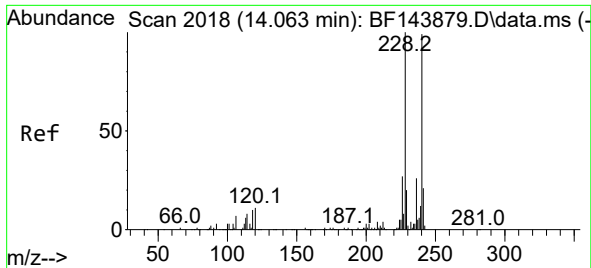
Tgt Ion:188 Resp: 288040  
Ion Ratio Lower Upper  
188 100  
94 10.2 7.8 11.6  
80 11.0 7.9 11.9



#75  
Fluoranthene  
Concen: 3.083 ng  
RT: 12.627 min Scan# 1774  
Delta R.T. -0.006 min  
Lab File: BF143966.D  
Acq: 15 Oct 2025 21:51

Tgt Ion:202 Resp: 44474  
Ion Ratio Lower Upper  
202 100  
101 11.6 0.0 30.7  
203 16.7 0.0 37.8

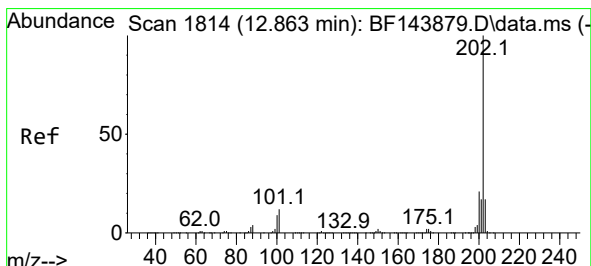
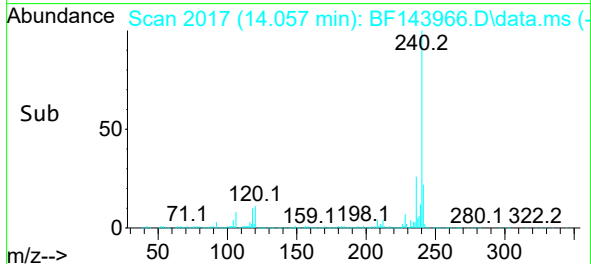
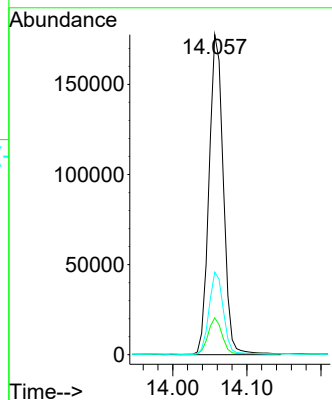
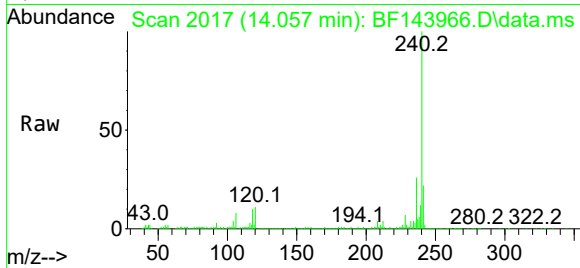




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.057 min Scan# 20  
Delta R.T. -0.011 min  
Lab File: BF143966.D  
Acq: 15 Oct 2025 21:51

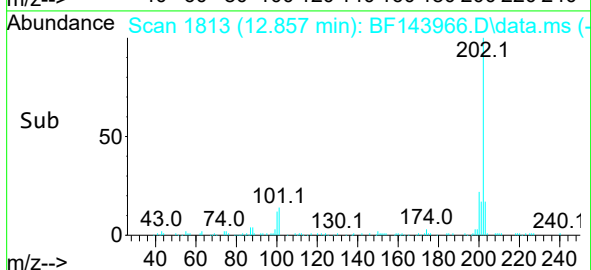
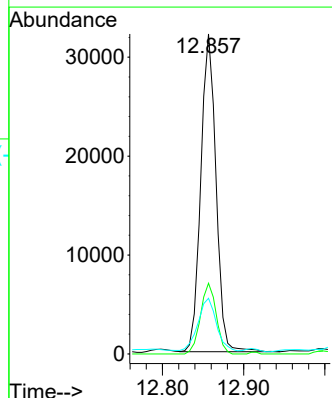
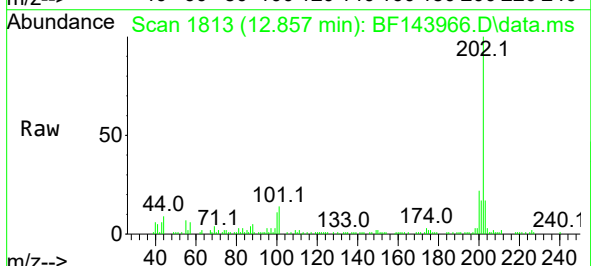
Instrument :  
BNA\_F  
ClientSampleId :  
LAYDOWN-YARD-2

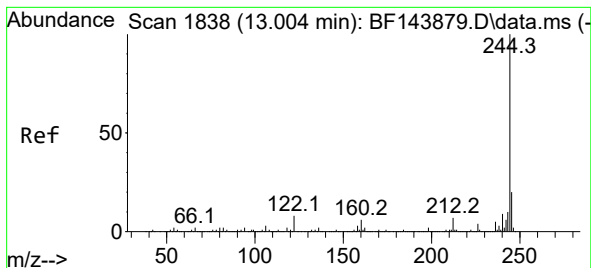
Tgt Ion:240 Resp: 238310  
Ion Ratio Lower Upper  
240 100  
120 11.5 8.6 13.0  
236 25.8 21.1 31.7



#78  
Pyrene  
Concen: 2.105 ng  
RT: 12.857 min Scan# 1813  
Delta R.T. -0.006 min  
Lab File: BF143966.D  
Acq: 15 Oct 2025 21:51

Tgt Ion:202 Resp: 41826  
Ion Ratio Lower Upper  
202 100  
200 22.1 17.0 25.6  
203 17.4 13.8 20.6





#79

Terphenyl-d14

Concen: 14.052 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.012 min

Lab File: BF143966.D

Acq: 15 Oct 2025 21:51

Instrument :

BNA\_F

ClientSampleId :

LAYDOWN-YARD-2

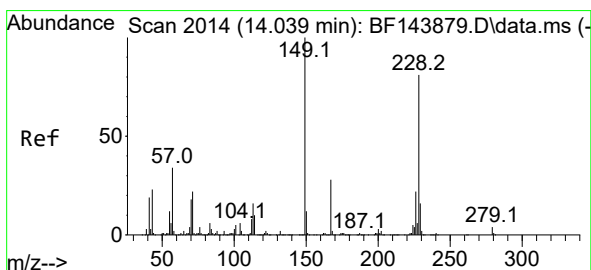
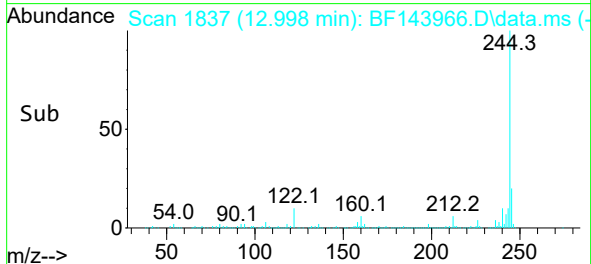
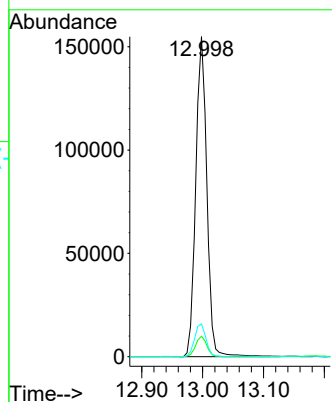
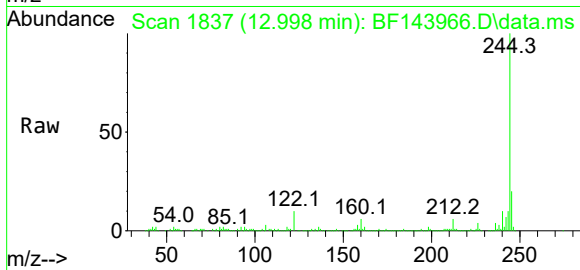
Tgt Ion:244 Resp: 195937

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 10.3 6.4 9.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.652 ng

RT: 14.039 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF143966.D

Acq: 15 Oct 2025 21:51

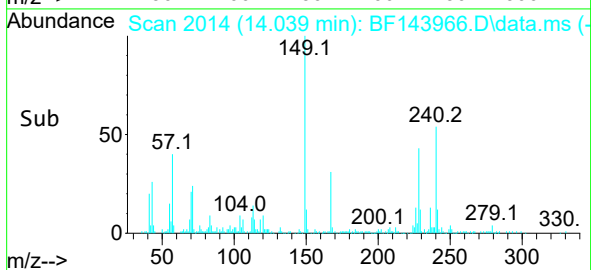
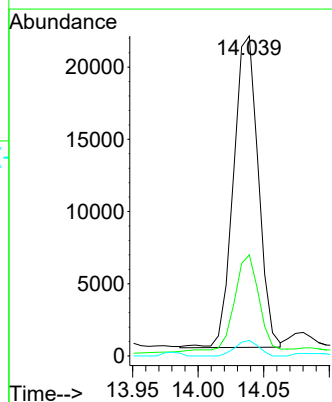
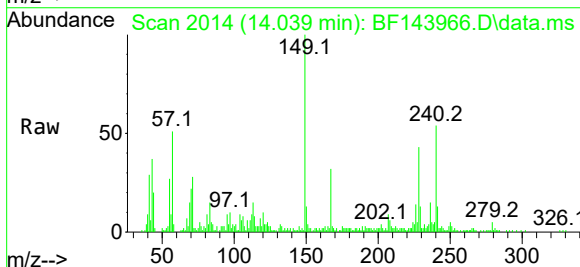
Tgt Ion:149 Resp: 28403

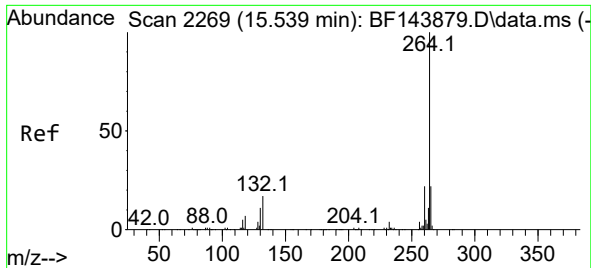
Ion Ratio Lower Upper

149 100

167 31.6 22.2 33.4

279 4.9 3.1 4.7#



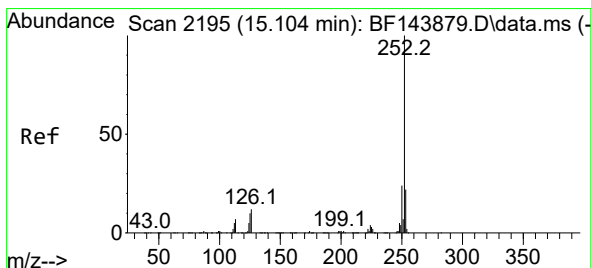
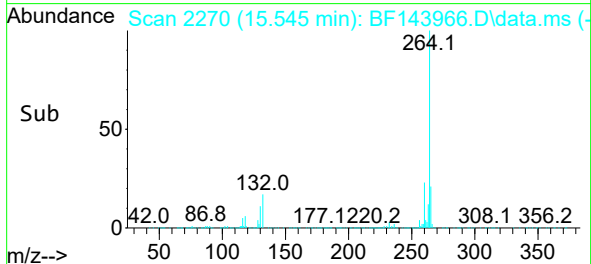
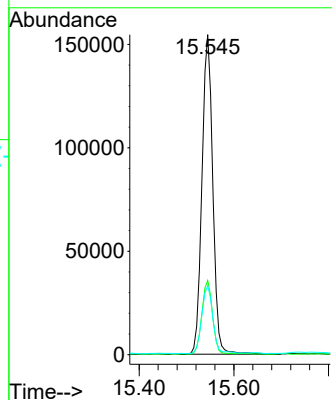
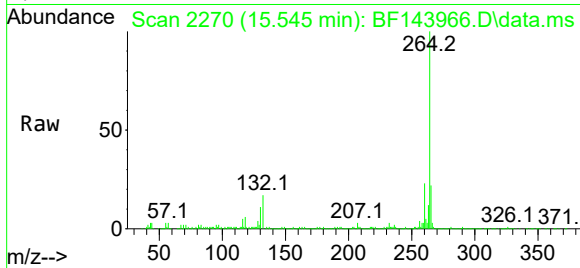


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.545 min Scan# 2196  
Delta R.T. 0.000 min  
Lab File: BF143966.D  
Acq: 15 Oct 2025 21:51

Instrument :  
BNA\_F  
ClientSampleId :  
LAYDOWN-YARD-2

Tgt Ion:264 Resp: 245031  

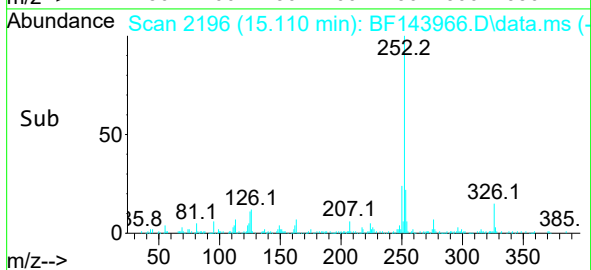
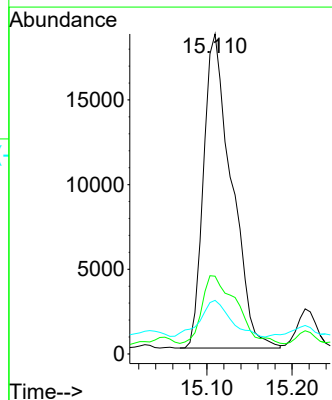
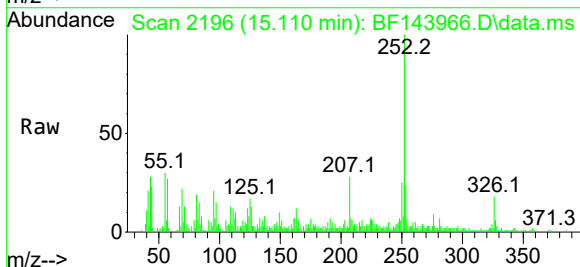
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.2  | 17.8  | 26.8  |
| 265 | 21.6  | 17.5  | 26.3  |

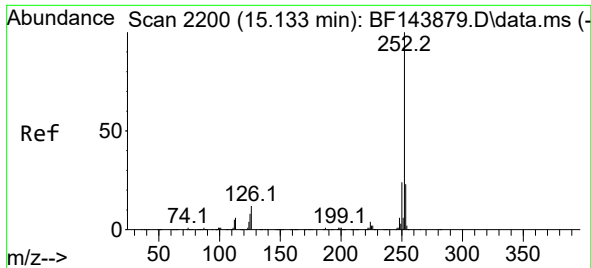


#88  
Benzo(b)fluoranthene  
Concen: 3.004 ng  
RT: 15.110 min Scan# 2196  
Delta R.T. -0.006 min  
Lab File: BF143966.D  
Acq: 15 Oct 2025 21:51

Tgt Ion:252 Resp: 42283  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 24.3  | 17.4  | 26.2  |
| 125 | 16.7  | 7.8   | 11.6  |





#89

Benzo(k)fluoranthene

Concen: 3.247 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF143966.D

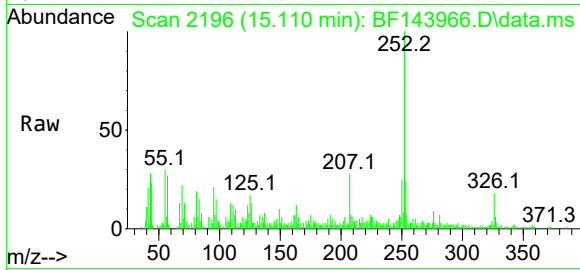
Acq: 15 Oct 2025 21:51

Instrument :

BNA\_F

ClientSampleId :

LAYDOWN-YARD-2



Tgt Ion:252 Resp: 42283

Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.8

125 16.7 7.4 11.2#

