

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030725\  
 Data File : BF141895.D  
 Acq On : 07 Mar 2025 19:29  
 Operator : RC/JU  
 Sample : Q1490-02  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CLAY-SLUDGE-DRUMS

Quant Time: Mar 07 21:47:59 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 Response via : Initial Calibration

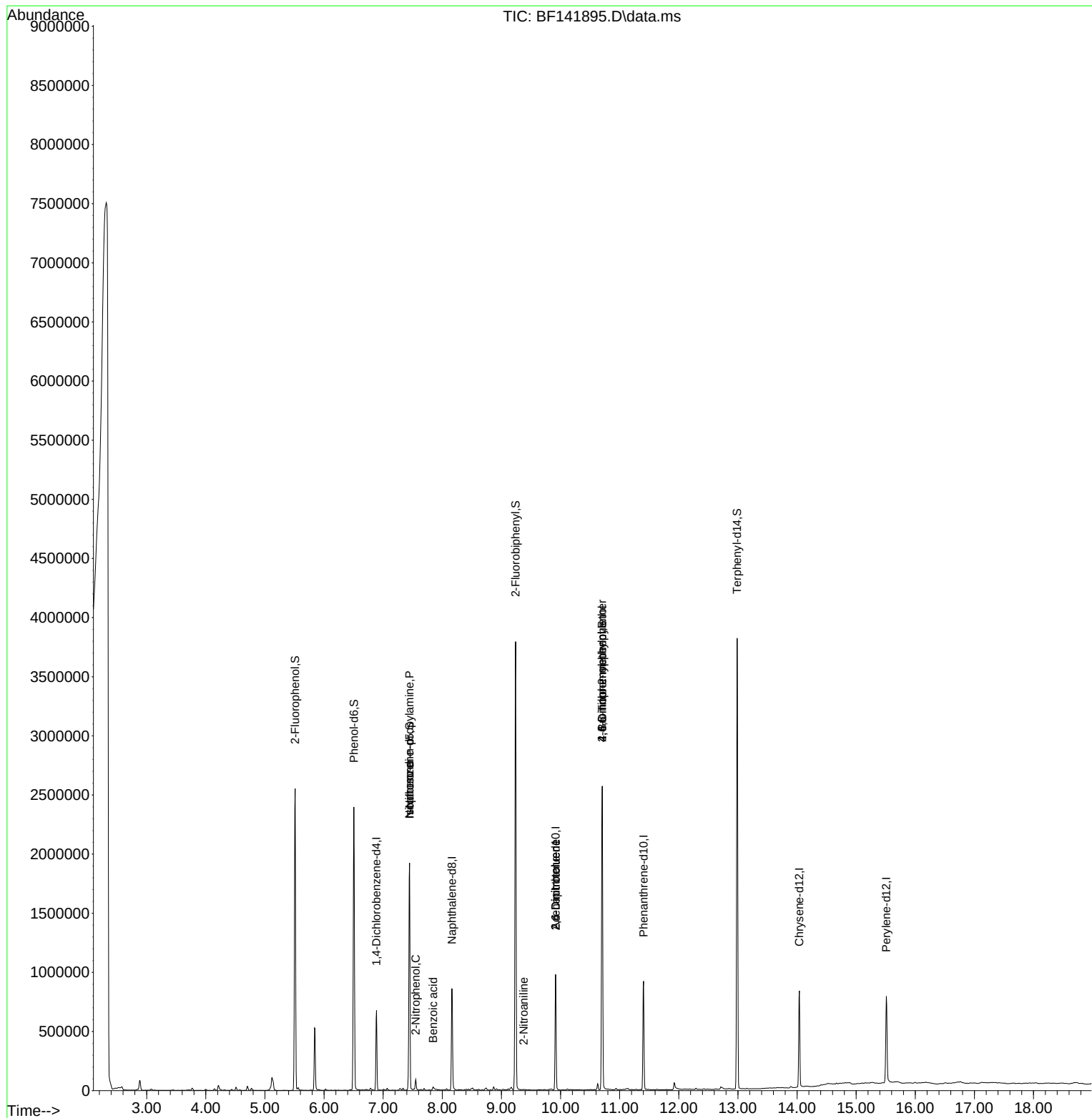
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 137118   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.163  | 136  | 533274   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.916  | 164  | 282133   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.404 | 188  | 473749   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.039 | 240  | 396023   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.510 | 264  | 424561   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 990999   | 115.420 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.504  | 99   | 1146449  | 102.586 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 869366   | 104.205 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 448075   | 169.167 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.239  | 172  | 1661290  | 94.416  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 1855701  | 75.813  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.445  | 70   | 119978   | 16.332  | ng    | # 77     |
| 25) Isophorone                | 7.445  | 82   | 867128   | 48.380  | ng    | # 66     |
| 26) 2-Nitrophenol             | 7.551  | 139  | 994      | 4.775   | ng    | # 63     |
| 32) Benzoic acid              | 7.845  | 122  | 11337    | 9.422   | ng    | 92       |
| 48) 2-Nitroaniline            | 9.375  | 65   | 202      | 4.382   | ng    | # 6      |
| 51) 2,6-Dinitrotoluene        | 9.916  | 165  | 35928    | 12.183  | ng    | # 21     |
| 57) 2,4-Dinitrotoluene        | 9.916  | 165  | 35928    | 11.065  | ng    | # 20     |
| 65) 4,6-Dinitro-2-methylph... | 10.704 | 198  | 1019     | 8.505   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.704 | 248  | 29405    | 5.314   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

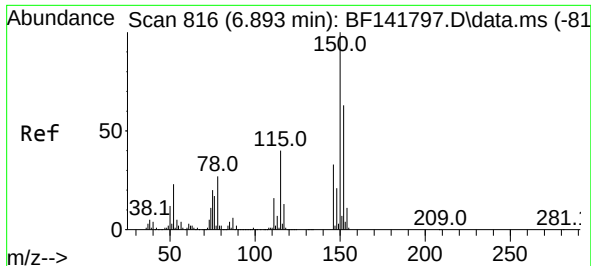
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030725\  
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Sample : Q1490-02  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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QLast Update : Fri Feb 28 01:48:16 2025  
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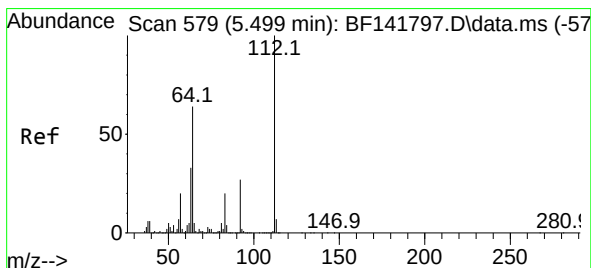
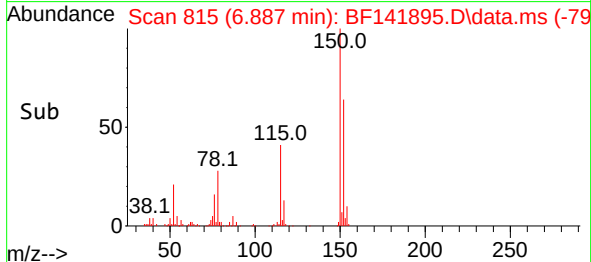
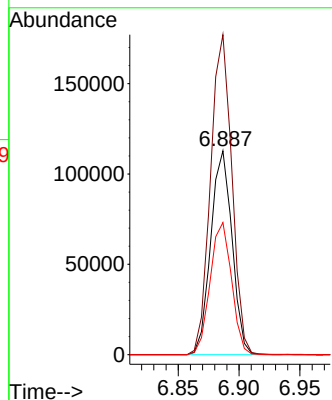
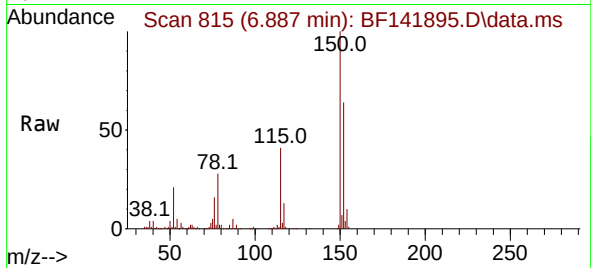




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 816  
Delta R.T. -0.006 min  
Lab File: BF141895.D  
Acq: 07 Mar 2025 19:29

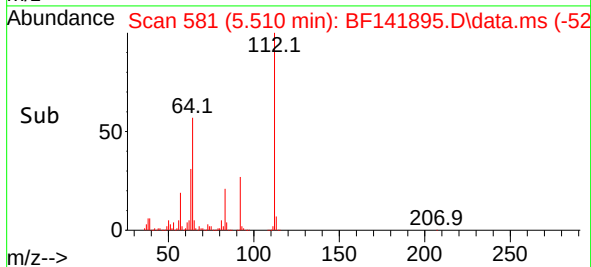
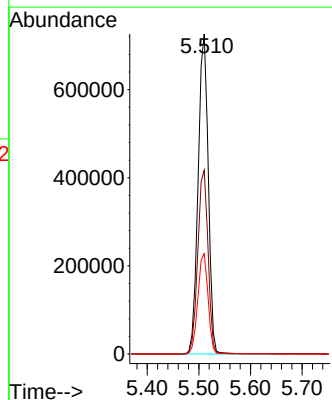
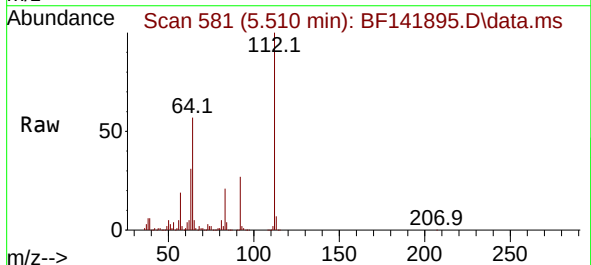
Instrument :  
BNA\_F  
ClientSampleId :  
CLAY-SLUDGE-DRUMS

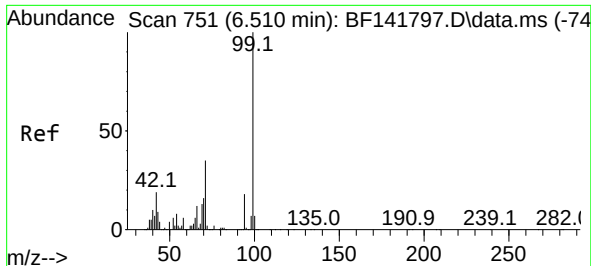
Tgt Ion:152 Resp: 137118  
Ion Ratio Lower Upper  
152 100  
150 156.9 127.5 191.3  
115 64.8 51.4 77.2



#5  
2-Fluorophenol  
Concen: 115.420 ng  
RT: 5.510 min Scan# 581  
Delta R.T. 0.012 min  
Lab File: BF141895.D  
Acq: 07 Mar 2025 19:29

Tgt Ion:112 Resp: 990999  
Ion Ratio Lower Upper  
112 100  
64 57.4 51.3 76.9  
63 31.3 26.2 39.4

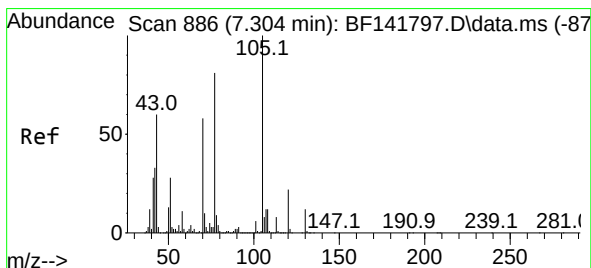
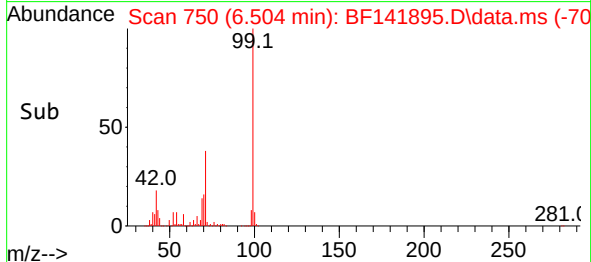
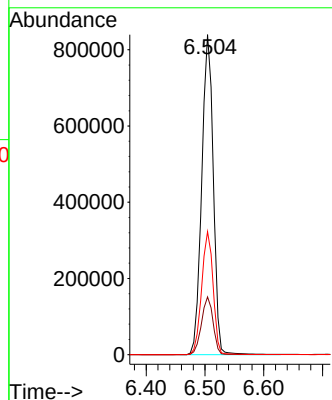
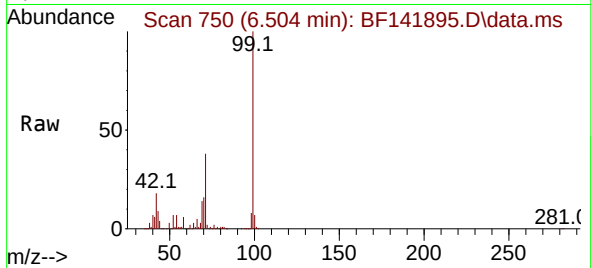




#7  
Phenol-d6  
Concen: 102.586 ng  
RT: 6.504 min Scan# 710  
Delta R.T. -0.006 min  
Lab File: BF141895.D  
Acq: 07 Mar 2025 19:29

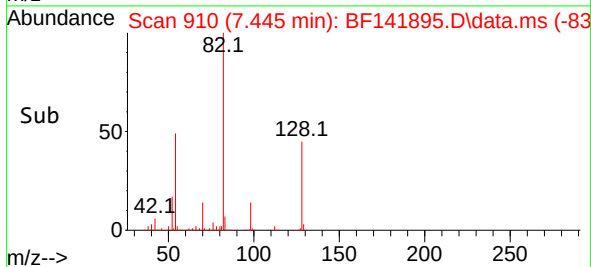
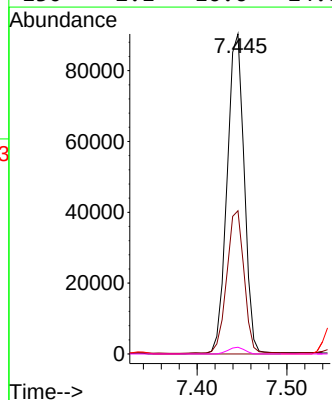
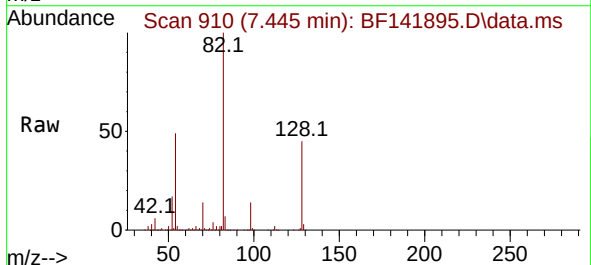
Instrument :  
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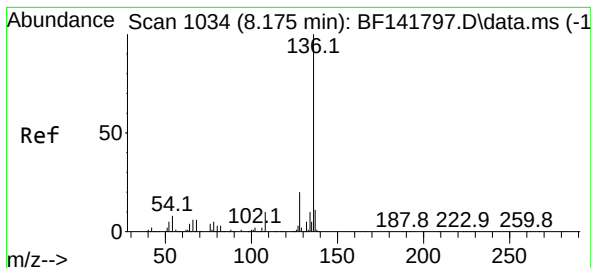
Tgt Ion: 99 Resp: 1146449  
Ion Ratio Lower Upper  
99 100  
42 18.0 15.2 22.8  
71 38.5 28.2 42.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.332 ng  
RT: 7.445 min Scan# 910  
Delta R.T. 0.141 min  
Lab File: BF141895.D  
Acq: 07 Mar 2025 19:29

Tgt Ion: 70 Resp: 119978  
Ion Ratio Lower Upper  
70 100  
42 44.7 45.4 68.0#  
101 0.0 7.8 11.8#  
130 2.1 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141895.D

Acq: 07 Mar 2025 19:29

Instrument :

BNA\_F

ClientSampleId :

CLAY-SLUDGE-DRUMS

Tgt Ion:136 Resp: 533274

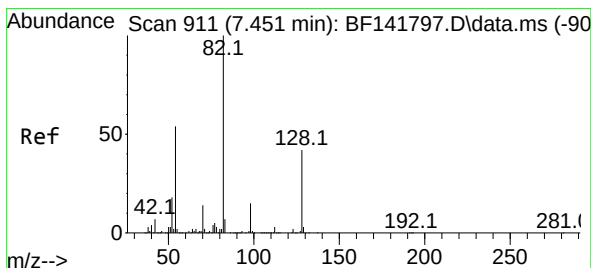
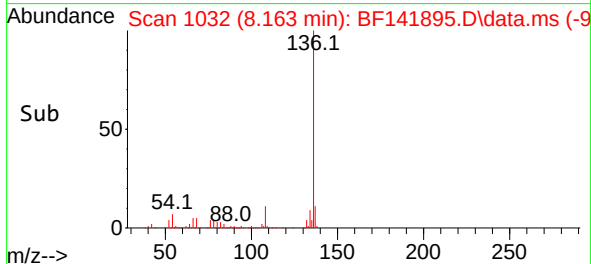
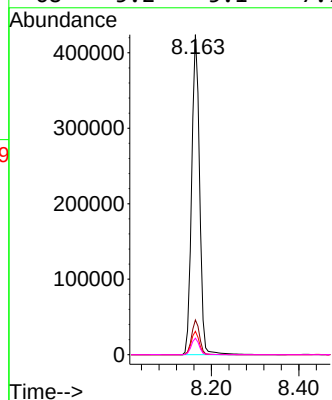
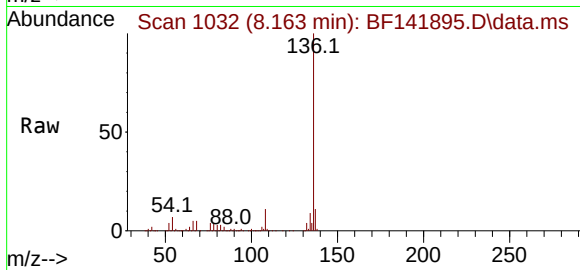
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.3 6.9 10.3

68 5.2 5.1 7.7



#23

Nitrobenzene-d5

Concen: 104.205 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF141895.D

Acq: 07 Mar 2025 19:29

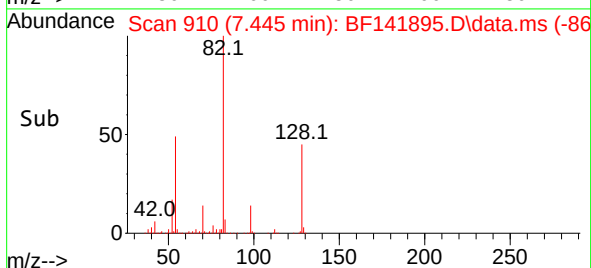
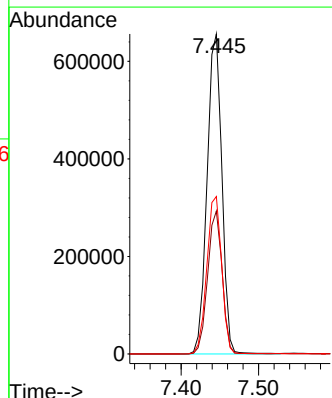
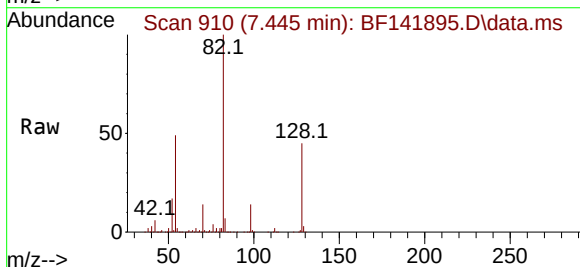
Tgt Ion: 82 Resp: 869366

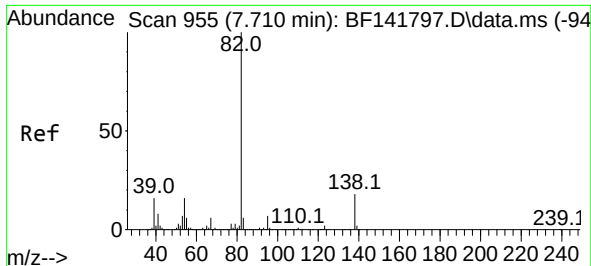
Ion Ratio Lower Upper

82 100

128 44.7 33.5 50.3

54 49.2 42.7 64.1

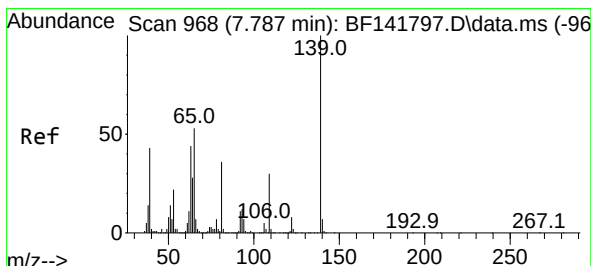
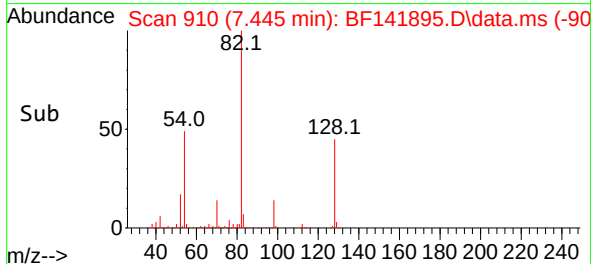
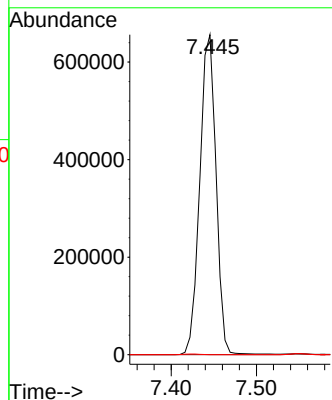
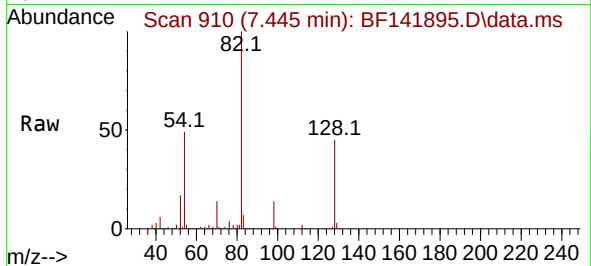




#25  
Isophorone  
Concen: 48.380 ng  
RT: 7.445 min Scan# 910  
Delta R.T. -0.265 min  
Lab File: BF141895.D  
Acq: 07 Mar 2025 19:29

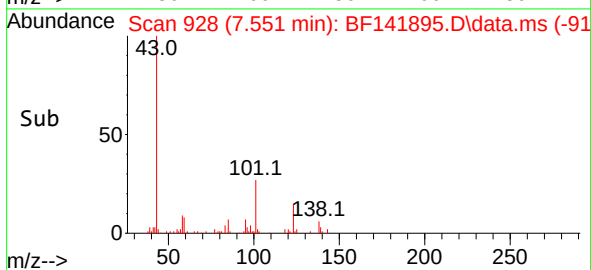
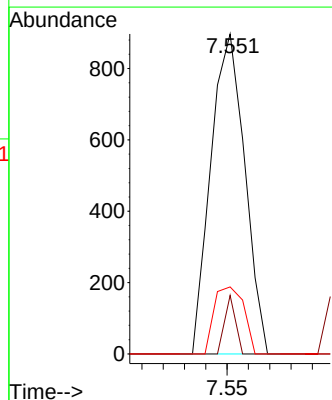
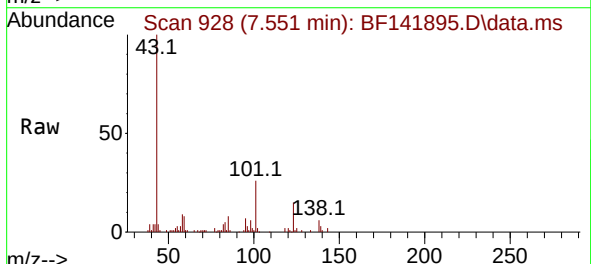
Instrument :  
BNA\_F  
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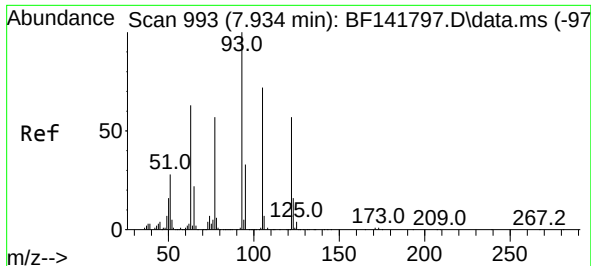
Tgt Ion: 82 Resp: 867128  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.8#  
138 0.0 14.0 21.0#



#26  
2-Nitrophenol  
Concen: 4.775 ng  
RT: 7.551 min Scan# 928  
Delta R.T. -0.236 min  
Lab File: BF141895.D  
Acq: 07 Mar 2025 19:29

Tgt Ion:139 Resp: 994  
Ion Ratio Lower Upper  
139 100  
109 18.3 24.1 36.1#  
65 21.0 42.3 63.5#

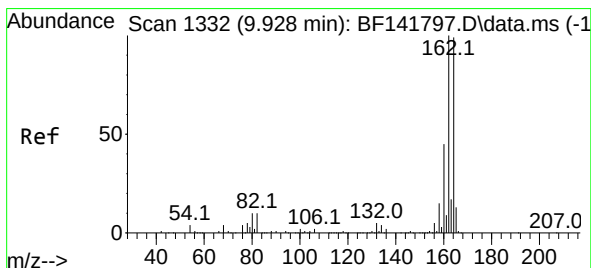
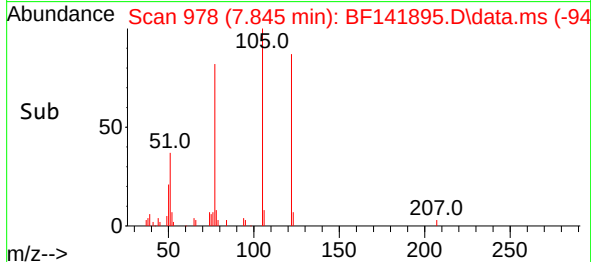
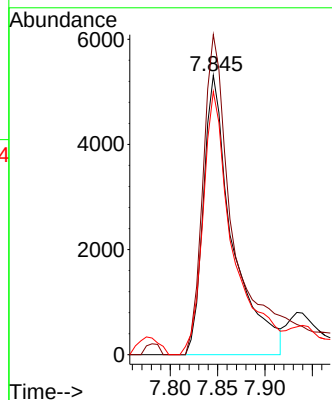
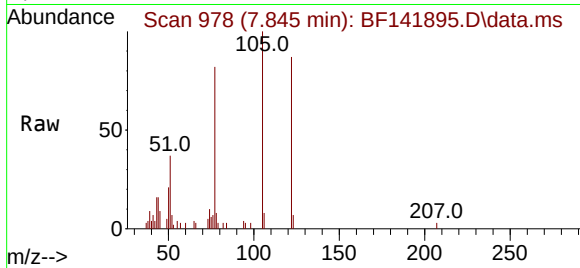




#32  
Benzoic acid  
Concen: 9.422 ng  
RT: 7.845 min Scan# 91  
Delta R.T. -0.089 min  
Lab File: BF141895.D  
Acq: 07 Mar 2025 19:29

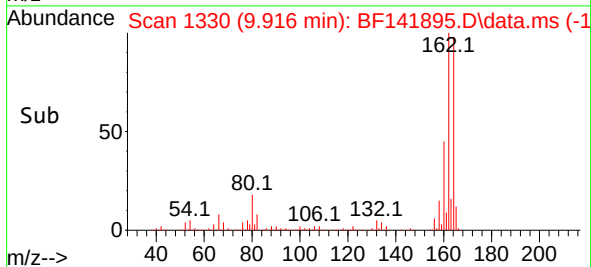
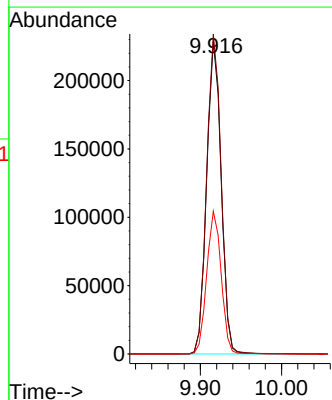
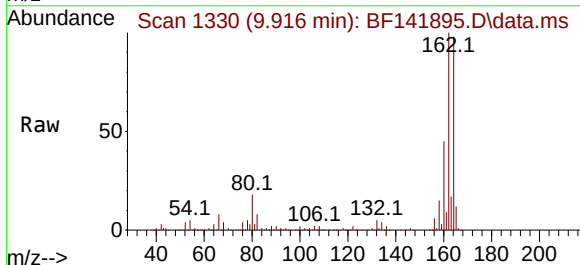
Instrument :  
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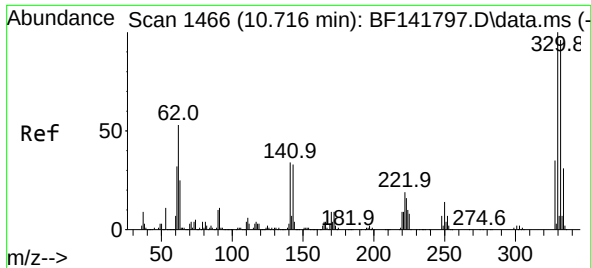
Tgt Ion:122 Resp: 11337  
Ion Ratio Lower Upper  
122 100  
105 114.6 105.8 145.8  
77 94.1 79.9 119.9



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.916 min Scan# 1330  
Delta R.T. -0.012 min  
Lab File: BF141895.D  
Acq: 07 Mar 2025 19:29

Tgt Ion:164 Resp: 282133  
Ion Ratio Lower Upper  
164 100  
162 102.4 80.6 120.8  
160 45.6 36.3 54.5

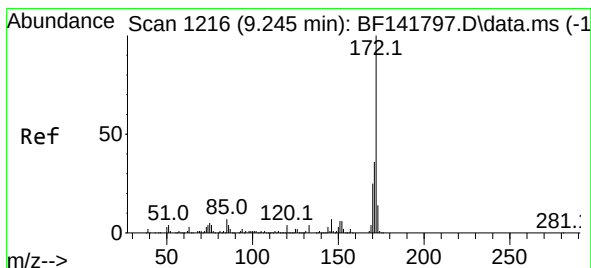
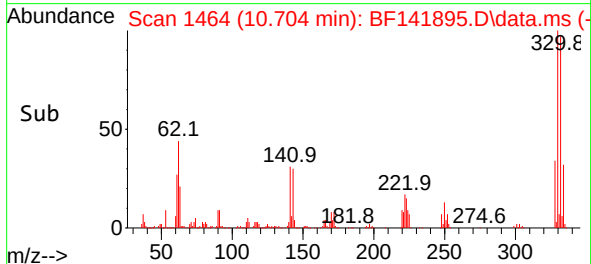
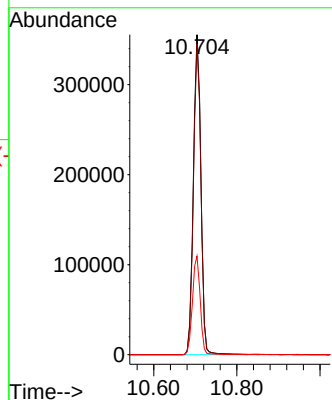
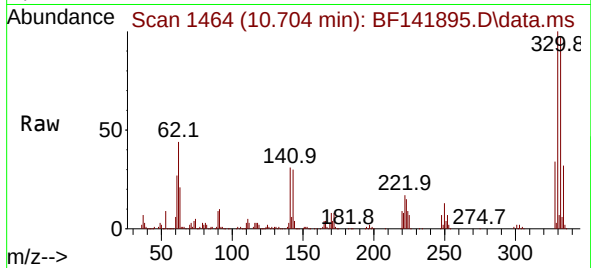




#42  
 2,4,6-Tribromophenol  
 Concen: 169.167 ng  
 RT: 10.704 min Scan# 1464  
 Delta R.T. -0.012 min  
 Lab File: BF141895.D  
 Acq: 07 Mar 2025 19:29

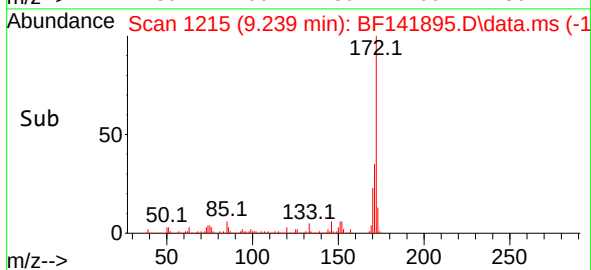
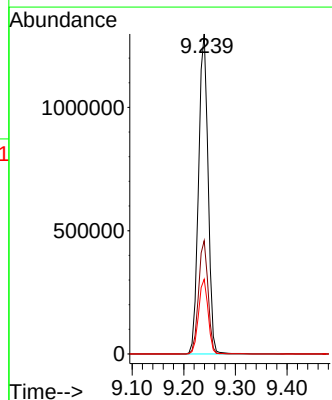
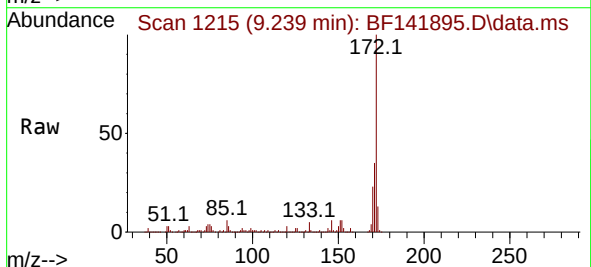
Instrument :  
 BNA\_F  
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 CLAY-SLUDGE-DRUMS

Tgt Ion:330 Resp: 448075  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 76.6 115.0  
 141 31.7 29.0 43.4

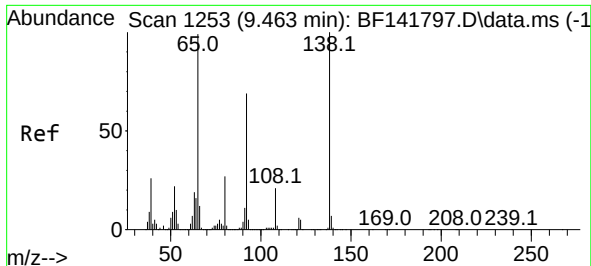


#45  
 2-Fluorobiphenyl  
 Concen: 94.416 ng  
 RT: 9.239 min Scan# 1215  
 Delta R.T. -0.006 min  
 Lab File: BF141895.D  
 Acq: 07 Mar 2025 19:29

Tgt Ion:172 Resp: 1661290  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 29.2 43.8  
 170 23.4 19.7 29.5



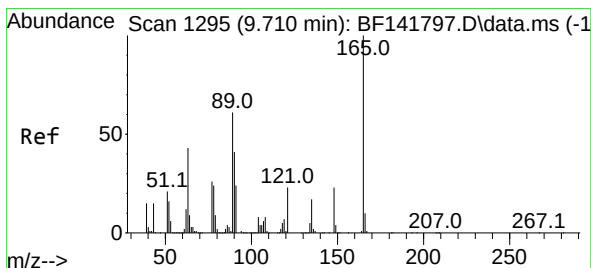
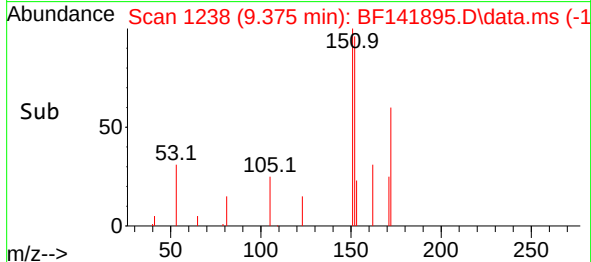
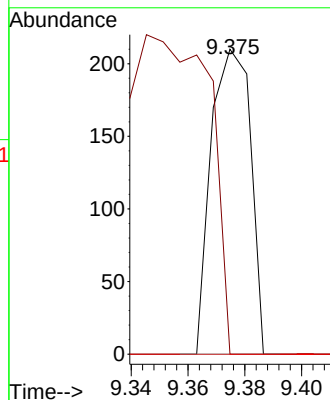
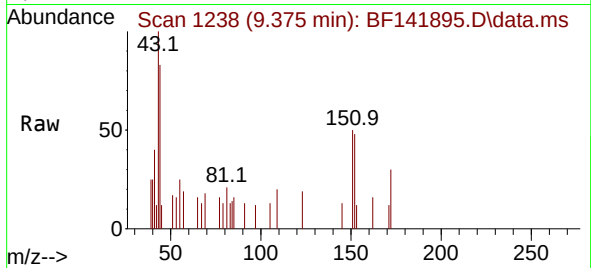




#48  
2-Nitroaniline  
Concen: 4.382 ng  
RT: 9.375 min Scan# 11  
Delta R.T. -0.088 min  
Lab File: BF141895.D  
Acq: 07 Mar 2025 19:29

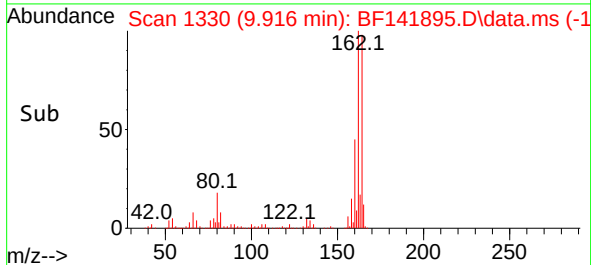
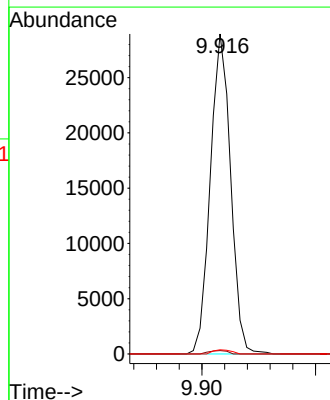
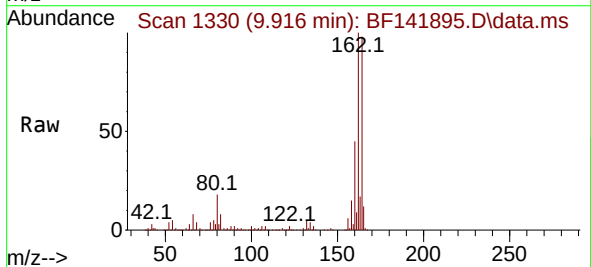
Instrument :  
BNA\_F  
ClientSampleId :  
CLAY-SLUDGE-DRUMS

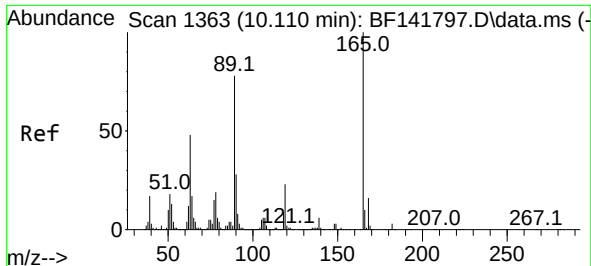
Tgt Ion: 65 Resp: 202  
Ion Ratio Lower Upper  
65 100  
92 0.0 55.7 83.5#  
138 0.0 80.6 121.0#



#51  
2,6-Dinitrotoluene  
Concen: 12.183 ng  
RT: 9.916 min Scan# 1330  
Delta R.T. 0.206 min  
Lab File: BF141895.D  
Acq: 07 Mar 2025 19:29

Tgt Ion:165 Resp: 35928  
Ion Ratio Lower Upper  
165 100  
63 1.0 49.5 74.3#  
89 1.3 49.0 73.4#

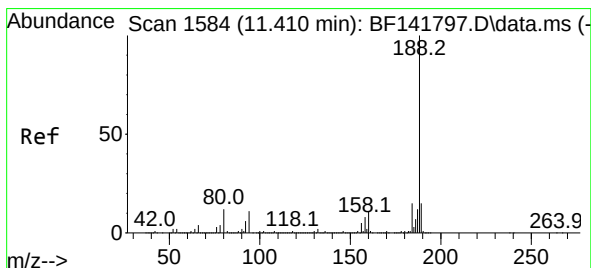
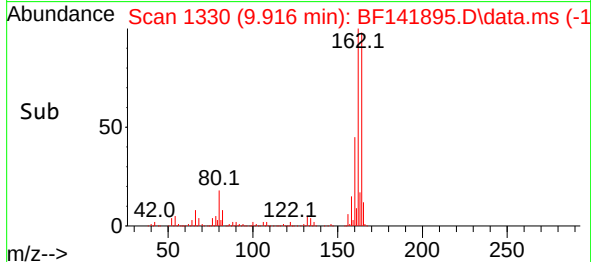
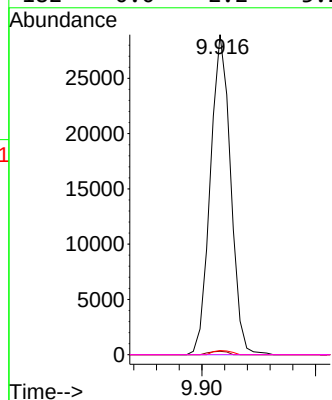
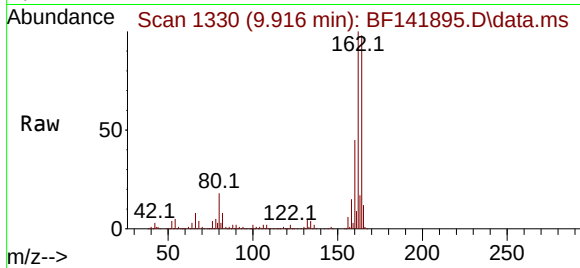




#57  
2,4-Dinitrotoluene  
Concen: 11.065 ng  
RT: 9.916 min Scan# 11  
Delta R.T. -0.194 min  
Lab File: BF141895.D  
Acq: 07 Mar 2025 19:29

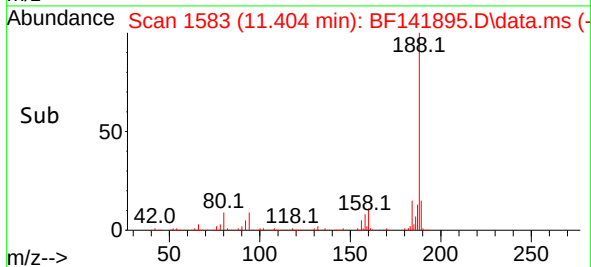
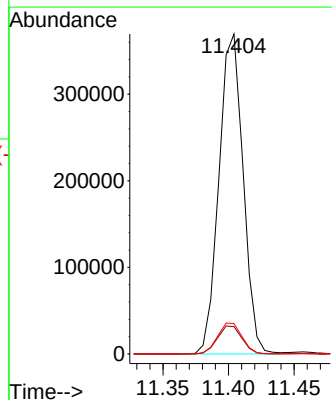
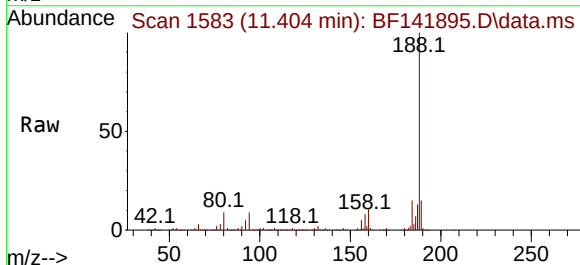
Instrument :  
BNA\_F  
ClientSampleId :  
CLAY-SLUDGE-DRUMS

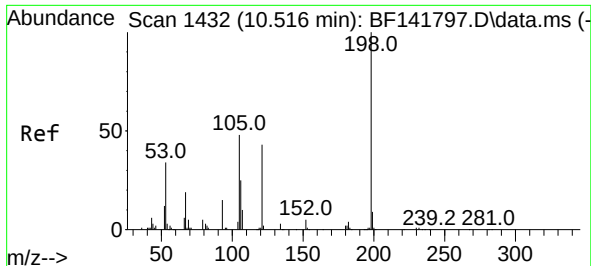
Tgt Ion:165 Resp: 35928  
Ion Ratio Lower Upper  
165 100  
63 1.0 38.8 58.2#  
89 1.3 62.6 94.0#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 1583  
Delta R.T. -0.006 min  
Lab File: BF141895.D  
Acq: 07 Mar 2025 19:29

Tgt Ion:188 Resp: 473749  
Ion Ratio Lower Upper  
188 100  
94 8.6 8.9 13.3#  
80 9.5 9.7 14.5#





#65

4,6-Dinitro-2-methylphenol

Concen: 8.505 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.188 min

Lab File: BF141895.D

Acq: 07 Mar 2025 19:29

Instrument :

BNA\_F

ClientSampleId :

CLAY-SLUDGE-DRUMS

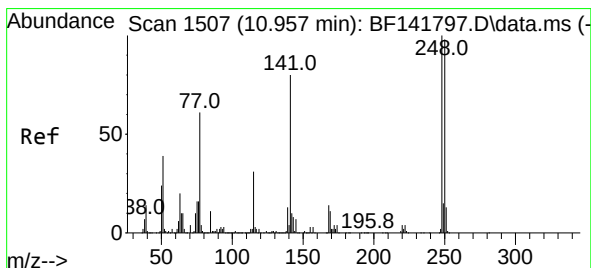
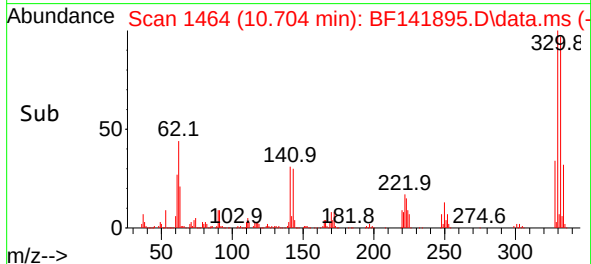
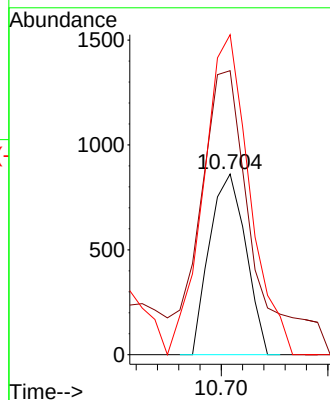
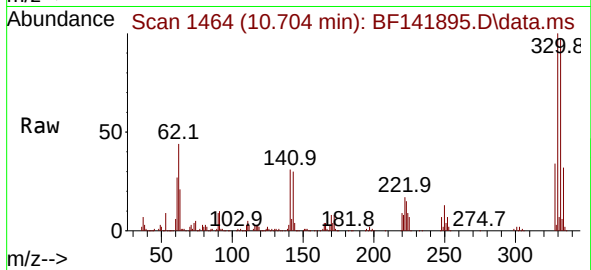
Tgt Ion:198 Resp: 1019

Ion Ratio Lower Upper

198 100

51 157.3 32.1 72.1#

105 177.2 28.5 68.5#



#67

4-Bromophenyl-phenylether

Concen: 5.314 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.253 min

Lab File: BF141895.D

Acq: 07 Mar 2025 19:29

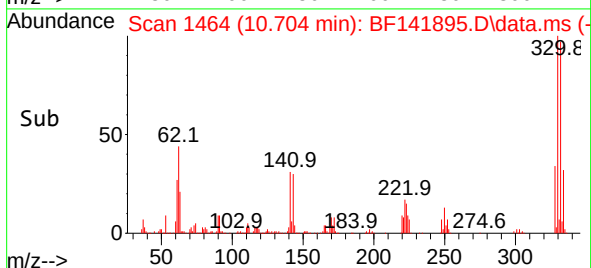
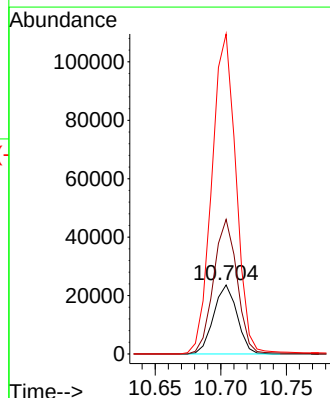
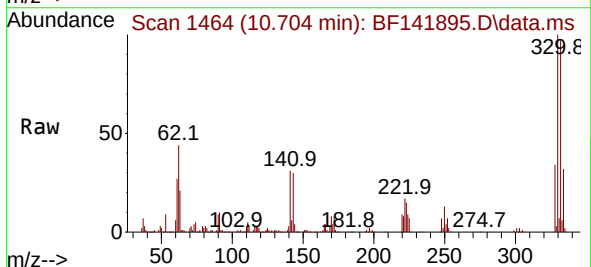
Tgt Ion:248 Resp: 29405

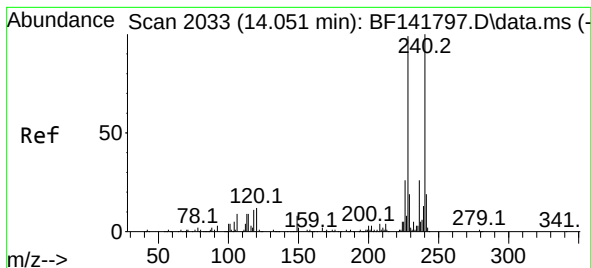
Ion Ratio Lower Upper

248 100

250 194.9 78.1 117.1#

141 463.6 64.3 96.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF141895.D

Acq: 07 Mar 2025 19:29

Instrument :

BNA\_F

ClientSampleId :

CLAY-SLUDGE-DRUMS

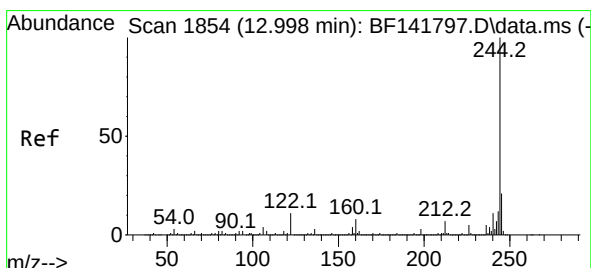
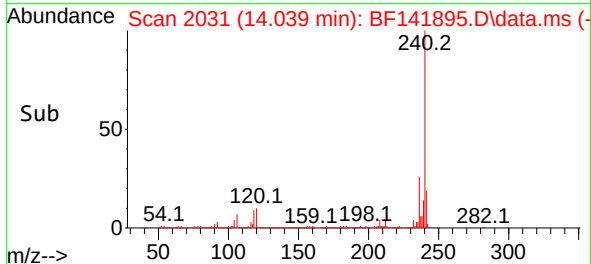
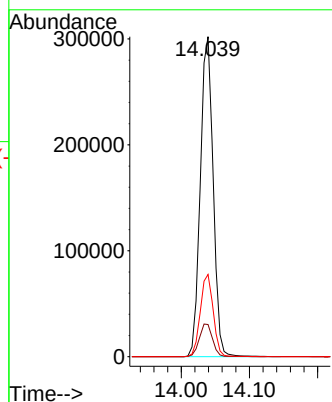
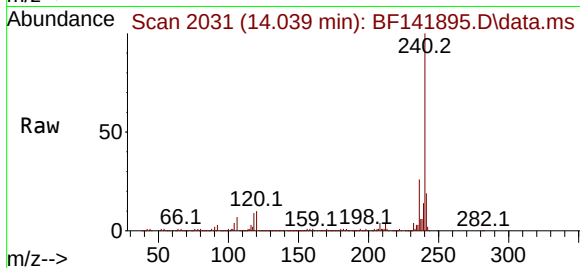
Tgt Ion:240 Resp: 396023

Ion Ratio Lower Upper

240 100

120 10.1 9.7 14.5

236 25.7 21.0 31.4



#79

Terphenyl-d14

Concen: 75.813 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.012 min

Lab File: BF141895.D

Acq: 07 Mar 2025 19:29

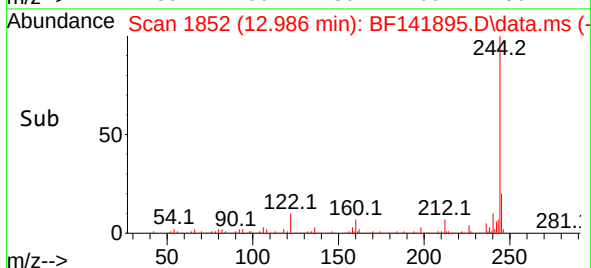
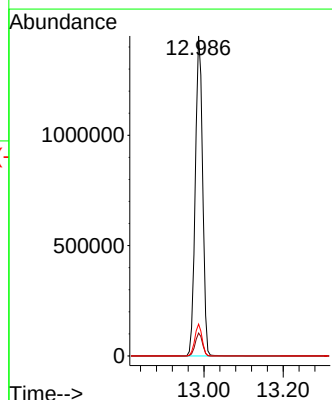
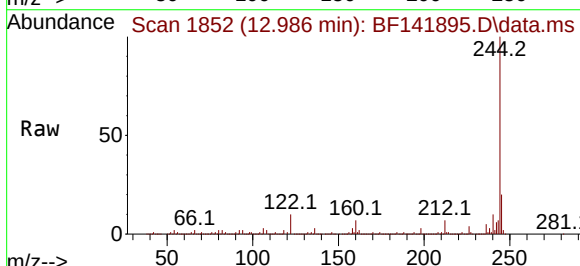
Tgt Ion:244 Resp: 1855701

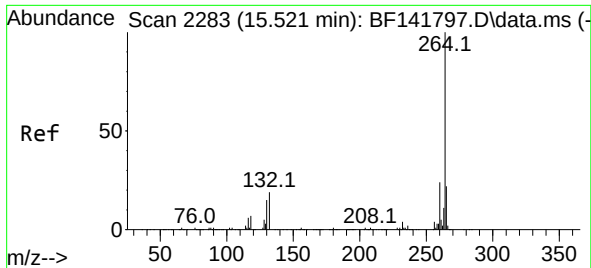
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

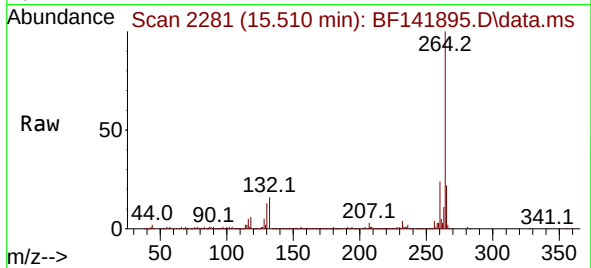
122 9.9 9.0 13.6





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.510 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF141895.D  
Acq: 07 Mar 2025 19:29

Instrument :  
BNA\_F  
ClientSampleId :  
CLAY-SLUDGE-DRUMS



Tgt Ion:264 Resp: 424561  
Ion Ratio Lower Upper  
264 100  
260 23.8 18.9 28.3  
265 22.1 17.4 26.0

