

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011725\  
 Data File : BF141195.D  
 Acq On : 17 Jan 2025 16:21  
 Operator : RC/JU  
 Sample : Q1115-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

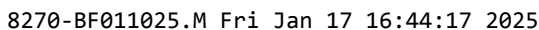
Instrument :  
 BNA\_F  
 ClientSampleId :  
 366

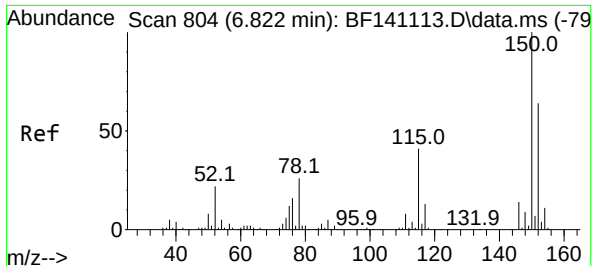
Quant Time: Jan 17 16:41:37 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 10 22:54:19 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.810  | 152  | 188431   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.093  | 136  | 755853   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.839  | 164  | 409170   | 20.000  | ng    | -0.02    |
| 64) Phenanthrene-d10          | 11.328 | 188  | 692554   | 20.000  | ng    | -0.02    |
| 76) Chrysene-d12              | 13.963 | 240  | 386575   | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 15.421 | 264  | 422556   | 20.000  | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.434  | 112  | 1533793  | 125.744 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.440  | 99   | 1933089  | 125.111 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.369  | 82   | 1225986  | 85.979  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.634 | 330  | 645982   | 138.557 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 9.163  | 172  | 2125968  | 79.342  | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.916 | 244  | 2037870  | 78.352  | ng    | -0.02    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.369  | 70   | 166656   | 18.311  | ng    | # 78     |
| 25) Isophorone                | 7.369  | 82   | 1219069  | 50.027  | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.839  | 165  | 54353    | 8.509   | ng    | # 27     |
| 57) 2,4-Dinitrotoluene        | 9.839  | 165  | 54353    | 6.602   | ng    | # 24     |
| 63) Azobenzene                | 10.557 | 77   | 108961   | 4.118   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.634 | 248  | 38685    | 4.852   | ng    | # 1      |
| 77) Benzidine                 | 12.916 | 184  | 27010    | 3.768   | ng    | # 92     |
| -----                         |        |      |          |         |       |          |

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

Quant Time: Jan 17 16:41:37 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jan 10 22:54:19 2025  
Response via : Initial Calibration

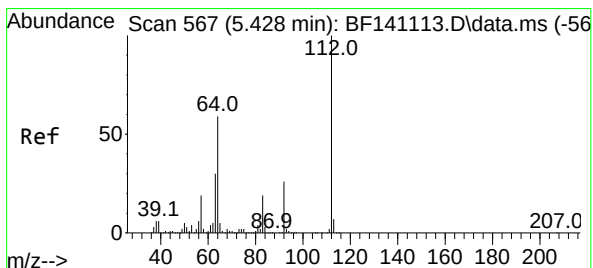
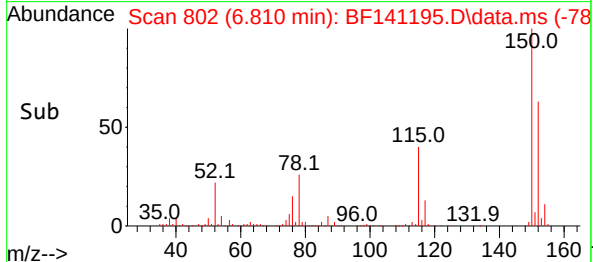
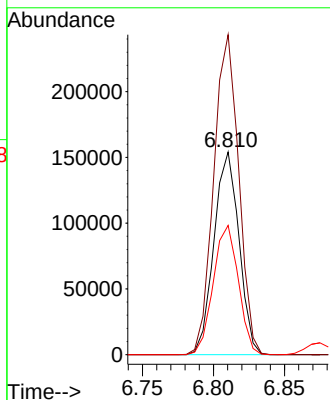
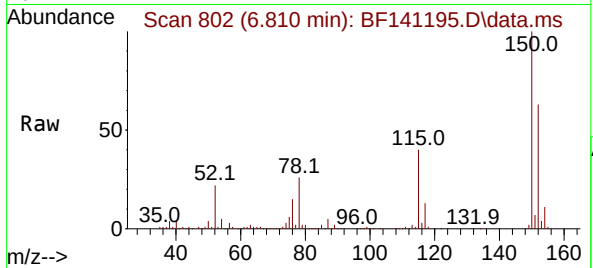




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.810 min Scan# 804  
Delta R.T. -0.012 min  
Lab File: BF141195.D  
Acq: 17 Jan 2025 16:21

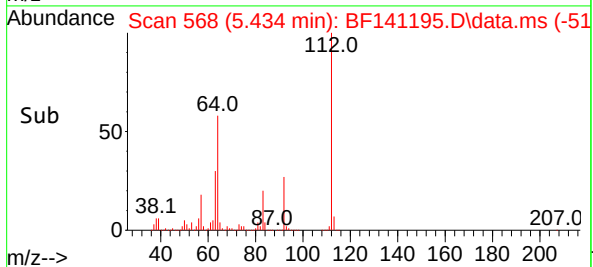
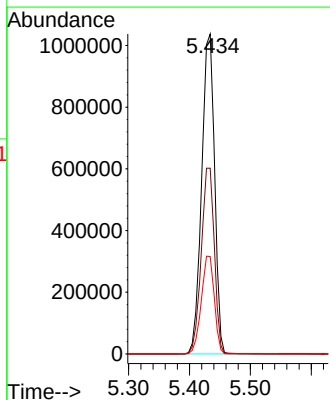
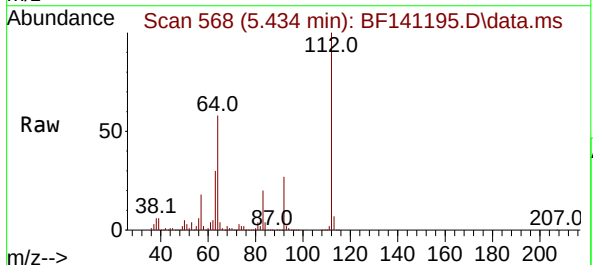
Instrument :  
BNA\_F  
ClientSampleId :  
366

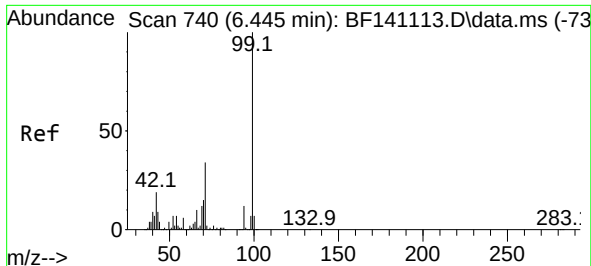
Tgt Ion:152 Resp: 188431  
Ion Ratio Lower Upper  
152 100  
150 157.8 125.8 188.8  
115 63.7 51.4 77.2



#5  
2-Fluorophenol  
Concen: 125.744 ng  
RT: 5.434 min Scan# 568  
Delta R.T. 0.006 min  
Lab File: BF141195.D  
Acq: 17 Jan 2025 16:21

Tgt Ion:112 Resp: 1533793  
Ion Ratio Lower Upper  
112 100  
64 58.0 47.3 70.9  
63 30.5 24.2 36.2





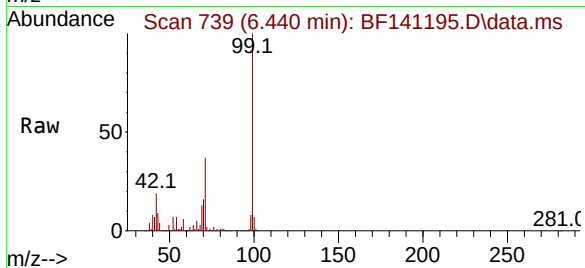
#7  
Phenol-d6  
Concen: 125.111 ng  
RT: 6.440 min Scan# 740  
Delta R.T. -0.006 min  
Lab File: BF141195.D  
Acq: 17 Jan 2025 16:21

Instrument :

BNA\_F

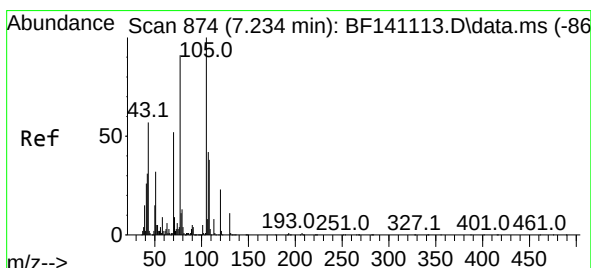
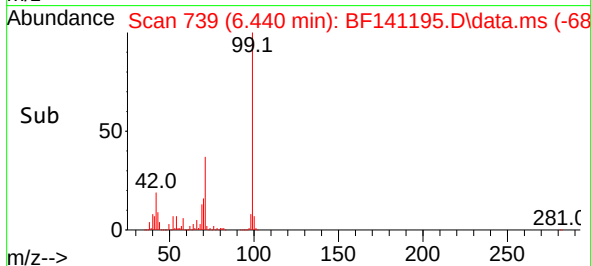
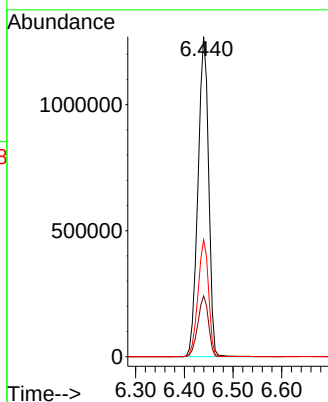
ClientSampleId :

366



Tgt Ion: 99 Resp: 1933089

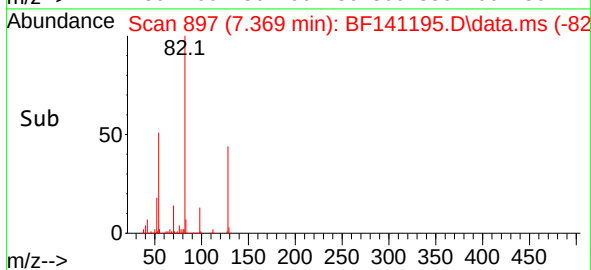
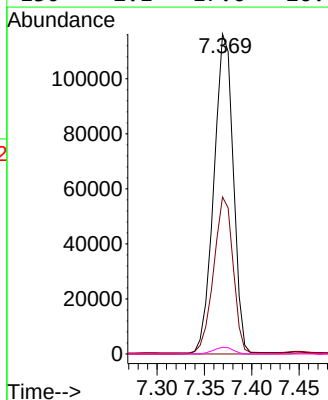
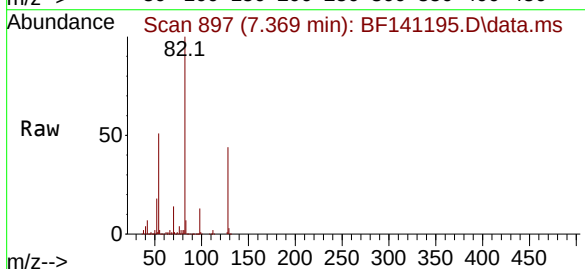
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.0  | 15.0  | 22.4  |
| 71  | 36.5  | 27.6  | 41.4  |

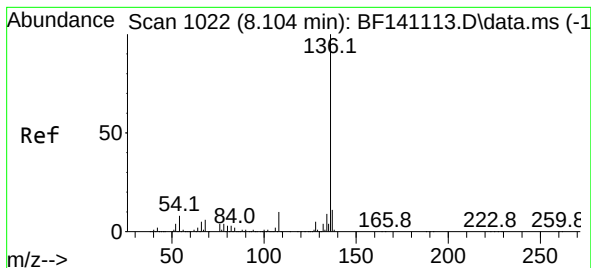


#19  
n-Nitroso-di-n-propylamine  
Concen: 18.311 ng  
RT: 7.369 min Scan# 897  
Delta R.T. 0.135 min  
Lab File: BF141195.D  
Acq: 17 Jan 2025 16:21

Tgt Ion: 70 Resp: 166656

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 49.0  | 47.8  | 71.6  |
| 101 | 0.0   | 7.9   | 11.9# |
| 130 | 2.1   | 17.6  | 26.4# |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.093 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141195.D

Acq: 17 Jan 2025 16:21

Instrument :

BNA\_F

ClientSampleId :

366

Tgt Ion:136 Resp: 755853

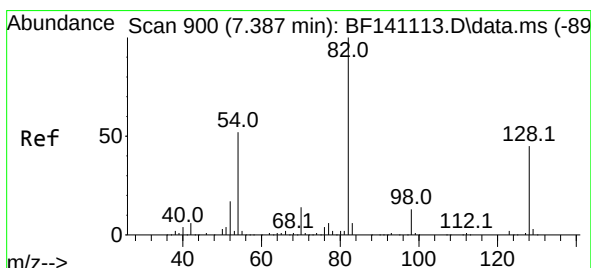
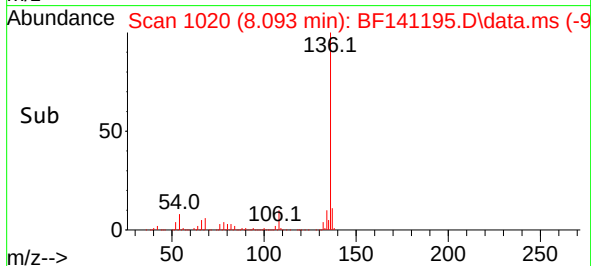
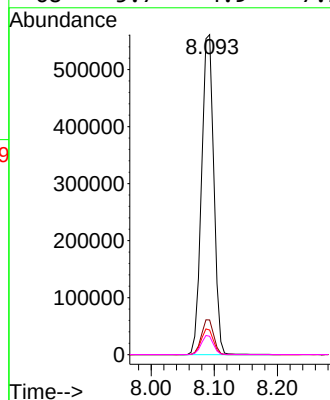
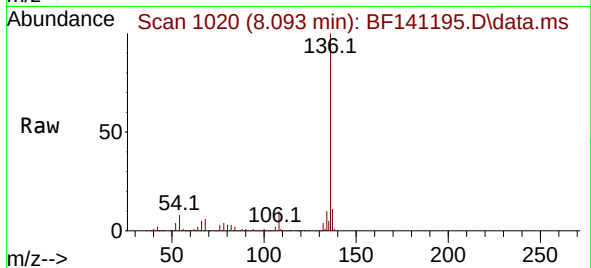
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 7.7 6.3 9.5

68 5.7 4.9 7.3



#23

Nitrobenzene-d5

Concen: 85.979 ng

RT: 7.369 min Scan# 897

Delta R.T. -0.018 min

Lab File: BF141195.D

Acq: 17 Jan 2025 16:21

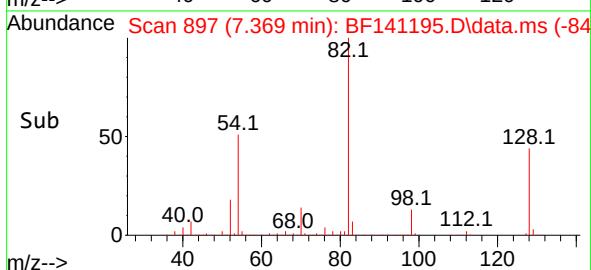
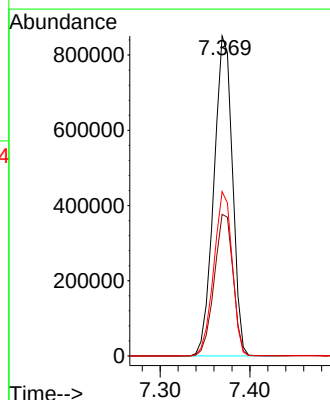
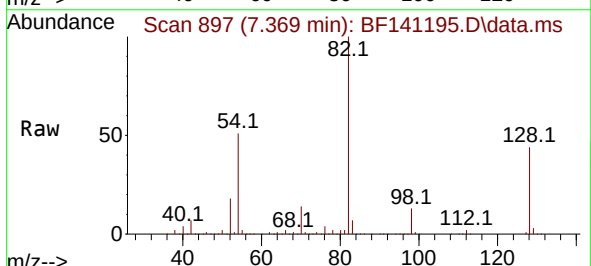
Tgt Ion: 82 Resp: 1225986

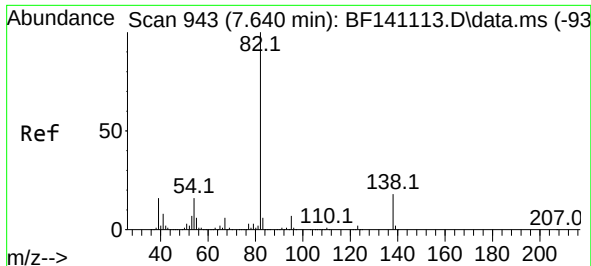
Ion Ratio Lower Upper

82 100

128 44.3 36.1 54.1

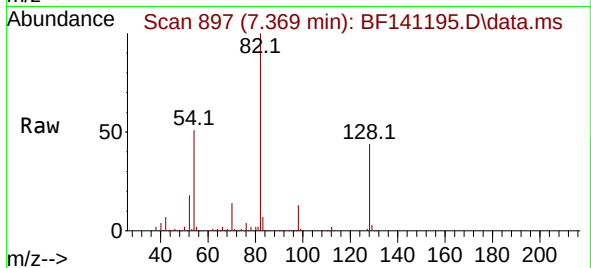
54 51.4 41.0 61.4



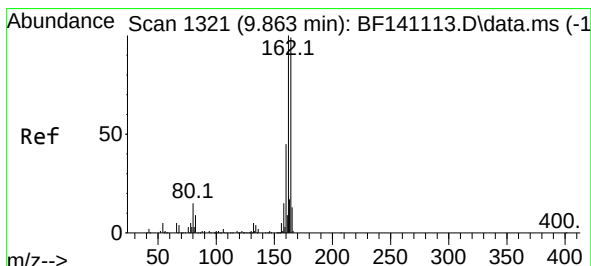
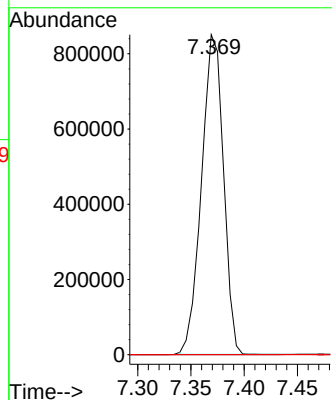
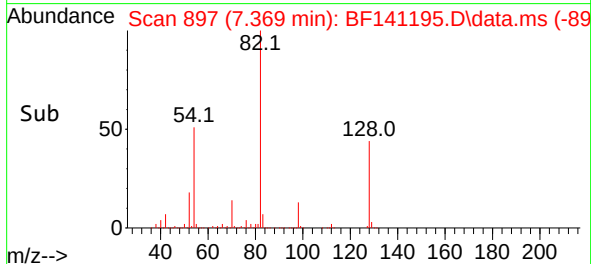


#25  
Isophorone  
Concen: 50.027 ng  
RT: 7.369 min Scan# 897  
Delta R.T. -0.270 min  
Lab File: BF141195.D  
Acq: 17 Jan 2025 16:21

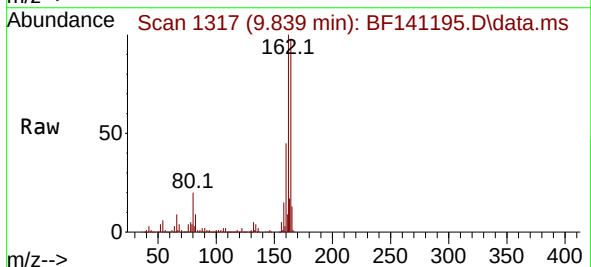
Instrument :  
BNA\_F  
ClientSampleId :  
366



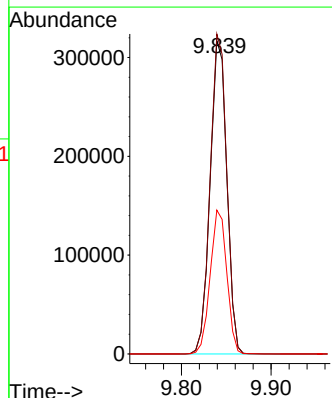
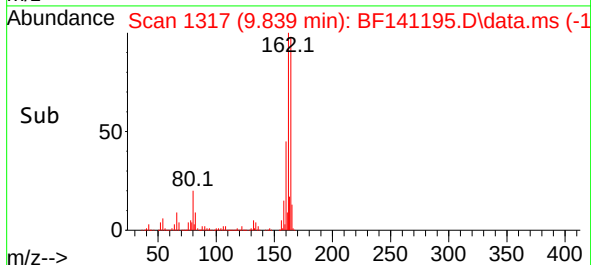
Tgt Ion: 82 Resp: 1219069  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 14.2 21.2#

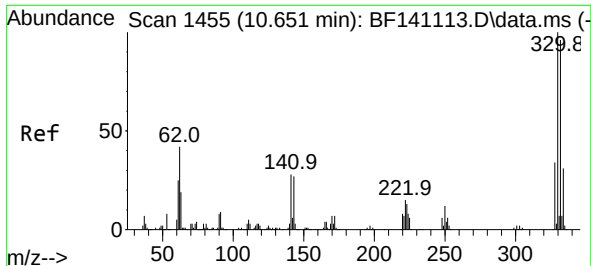


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.839 min Scan# 1317  
Delta R.T. -0.023 min  
Lab File: BF141195.D  
Acq: 17 Jan 2025 16:21



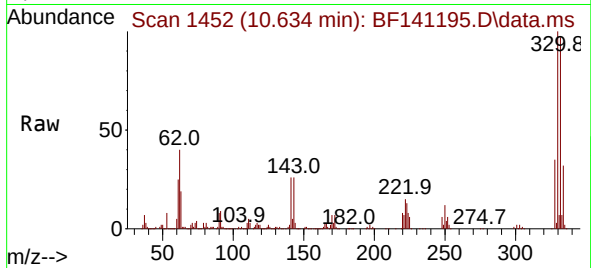
Tgt Ion:164 Resp: 409170  
Ion Ratio Lower Upper  
164 100  
162 102.1 81.0 121.4  
160 45.9 36.1 54.1



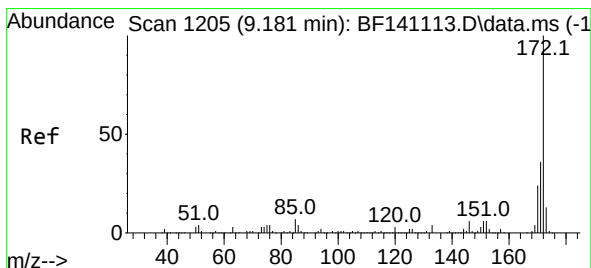
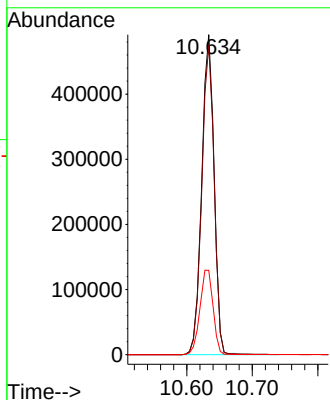
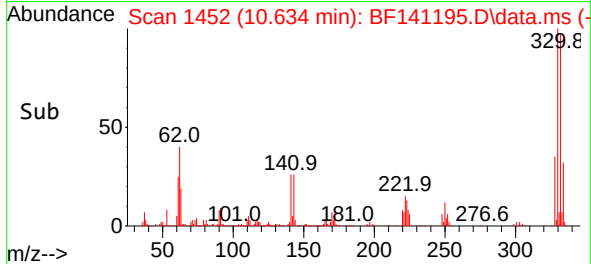


#42  
2,4,6-Tribromophenol  
Concen: 138.557 ng  
RT: 10.634 min Scan# 1452  
Delta R.T. -0.018 min  
Lab File: BF141195.D  
Acq: 17 Jan 2025 16:21

Instrument :  
BNA\_F  
ClientSampleId :  
366

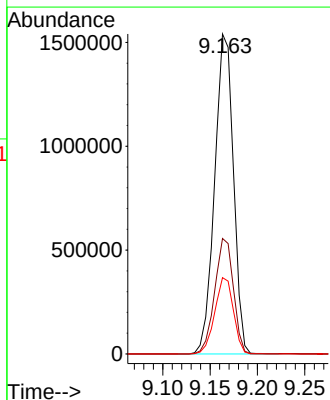
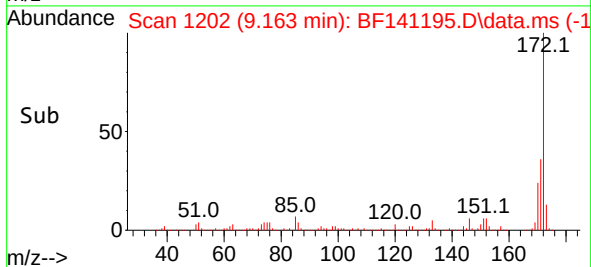
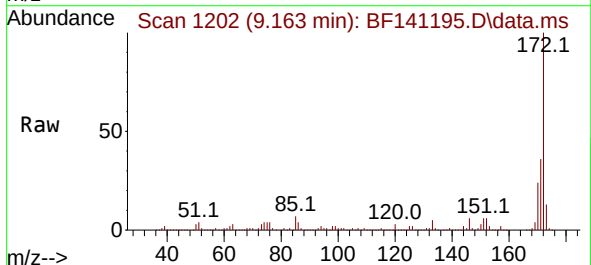


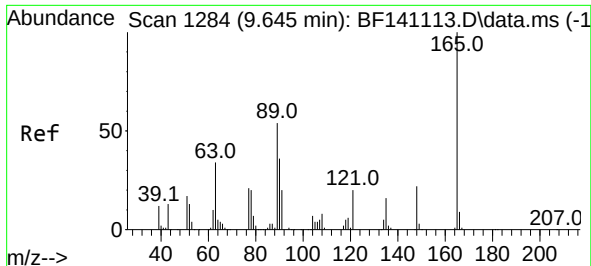
Tgt Ion:330 Resp: 645982  
Ion Ratio Lower Upper  
330 100  
332 96.8 76.9 115.3  
141 28.2 25.2 37.8



#45  
2-Fluorobiphenyl  
Concen: 79.342 ng  
RT: 9.163 min Scan# 1202  
Delta R.T. -0.018 min  
Lab File: BF141195.D  
Acq: 17 Jan 2025 16:21

Tgt Ion:172 Resp: 2125968  
Ion Ratio Lower Upper  
172 100  
171 36.1 28.7 43.1  
170 23.8 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.509 ng

RT: 9.839 min Scan# 1

Delta R.T. 0.194 min

Lab File: BF141195.D

Acq: 17 Jan 2025 16:21

Instrument :

BNA\_F

ClientSampleId :

366

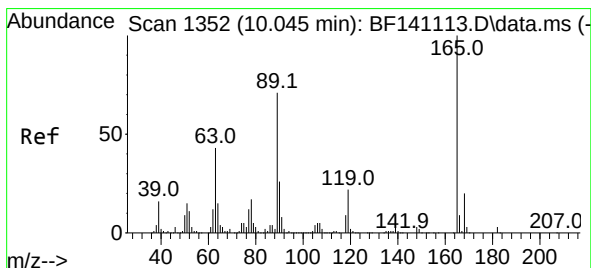
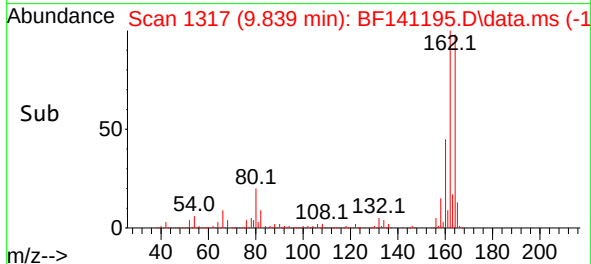
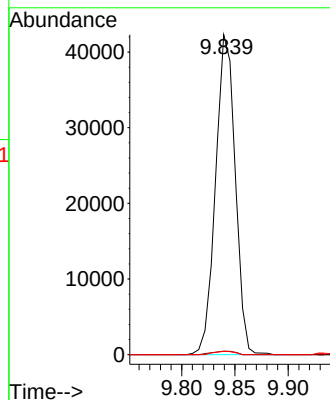
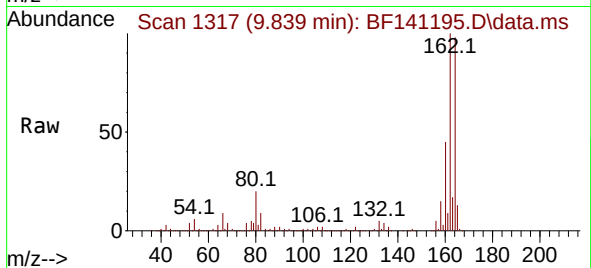
Tgt Ion:165 Resp: 54353

Ion Ratio Lower Upper

165 100

63 1.1 42.3 63.5#

89 1.0 43.1 64.7#



#57

2,4-Dinitrotoluene

Concen: 6.602 ng

RT: 9.839 min Scan# 1317

Delta R.T. -0.206 min

Lab File: BF141195.D

Acq: 17 Jan 2025 16:21

Tgt Ion:165 Resp: 54353

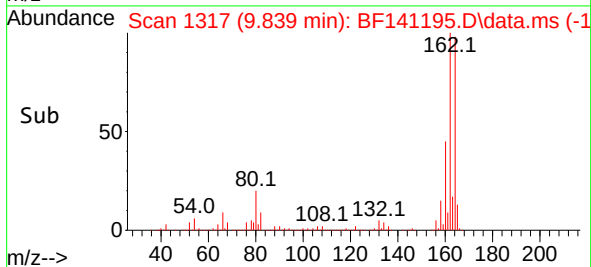
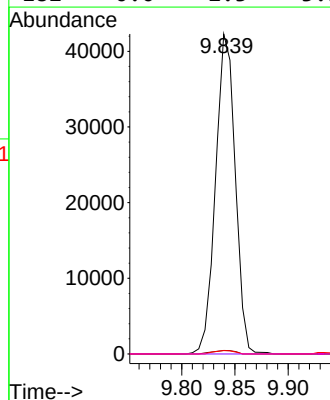
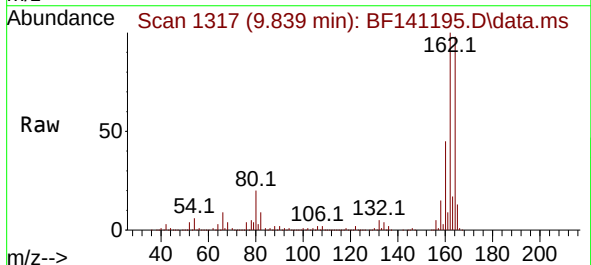
Ion Ratio Lower Upper

165 100

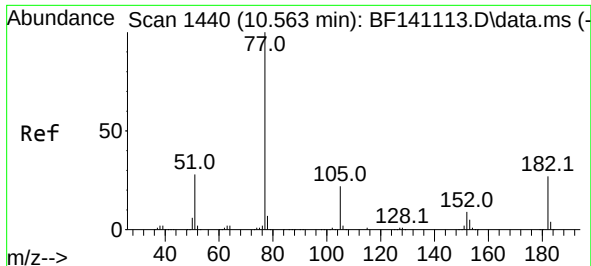
63 1.1 35.0 52.4#

89 1.0 56.7 85.1#

182 0.0 2.3 3.5#



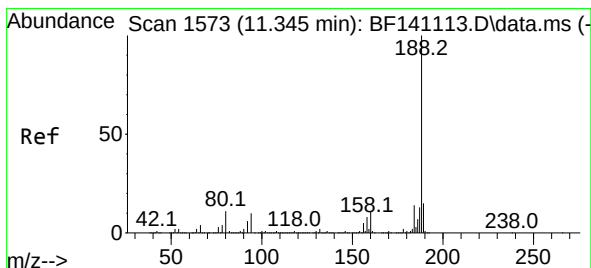
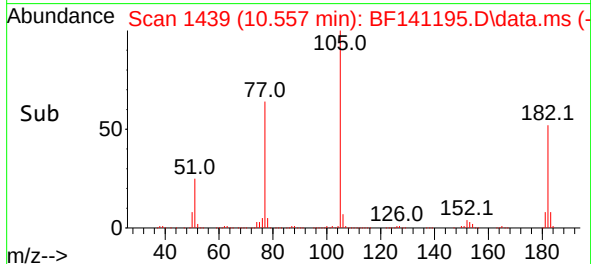
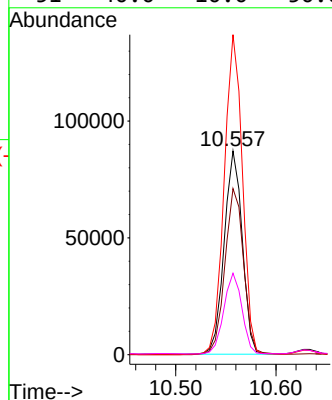
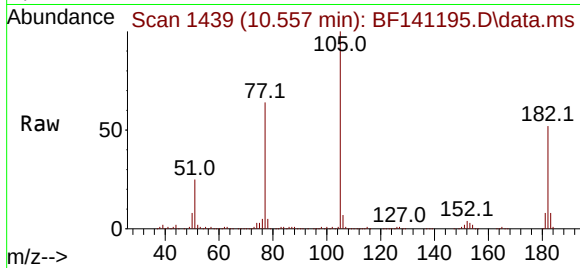




#63  
Azobenzene  
Concen: 4.118 ng  
RT: 10.557 min Scan# 14  
Delta R.T. -0.006 min  
Lab File: BF141195.D  
Acq: 17 Jan 2025 16:21

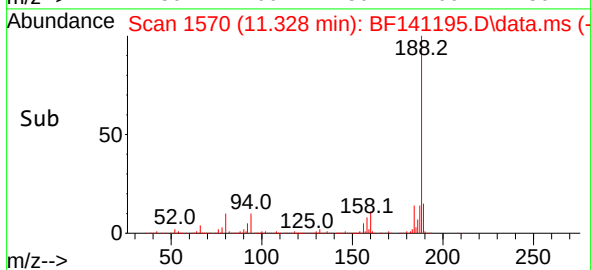
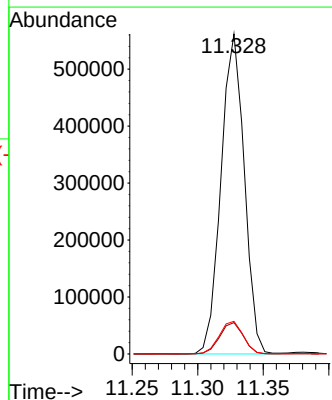
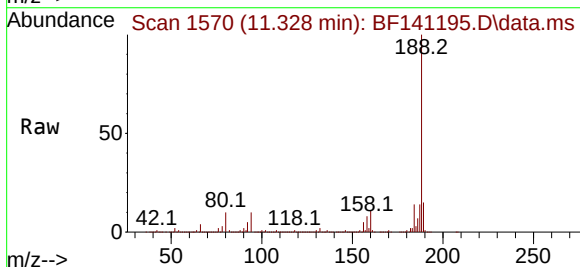
Instrument :  
BNA\_F  
ClientSampleId :  
366

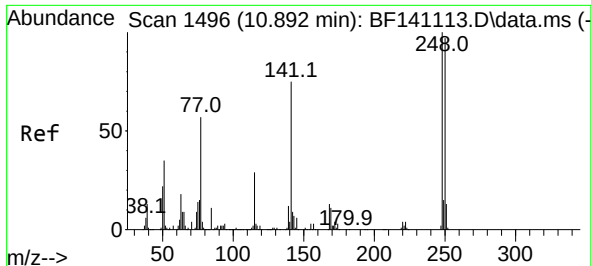
Tgt Ion: 77 Resp: 108961  
Ion Ratio Lower Upper  
77 100  
182 81.5 6.1 46.1#  
105 157.1 2.1 42.1#  
51 40.0 10.0 50.0



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.328 min Scan# 1570  
Delta R.T. -0.018 min  
Lab File: BF141195.D  
Acq: 17 Jan 2025 16:21

Tgt Ion:188 Resp: 692554  
Ion Ratio Lower Upper  
188 100  
94 9.8 8.3 12.5  
80 10.2 9.0 13.4

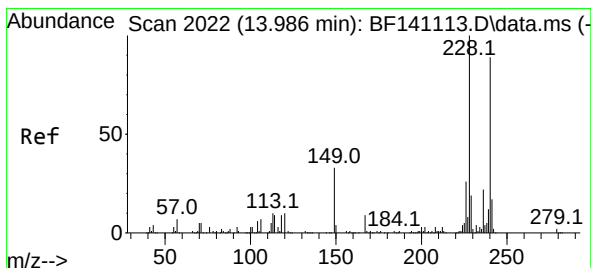
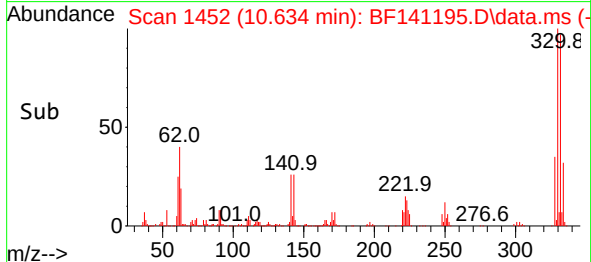
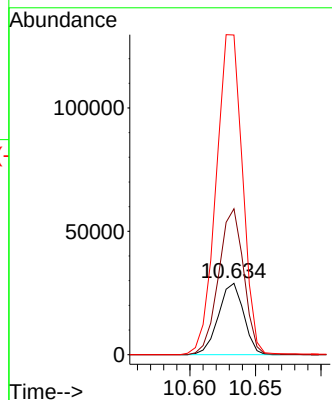
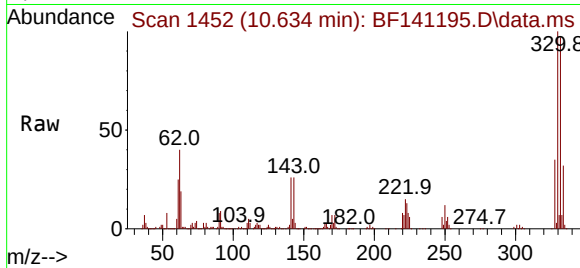




#67  
4-Bromophenyl-phenylether  
Concen: 4.852 ng  
RT: 10.634 min Scan# 14  
Delta R.T. -0.259 min  
Lab File: BF141195.D  
Acq: 17 Jan 2025 16:21

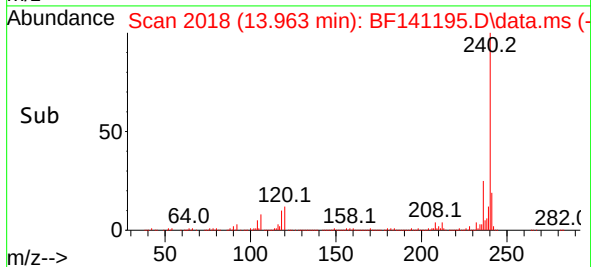
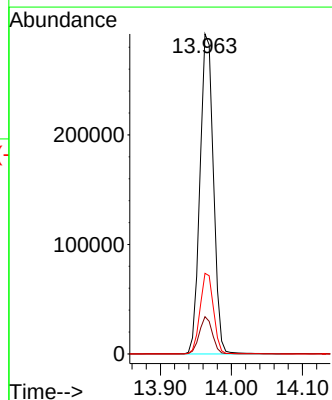
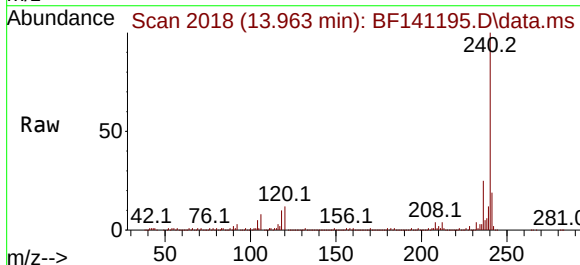
Instrument :  
BNA\_F  
ClientSampleId :  
366

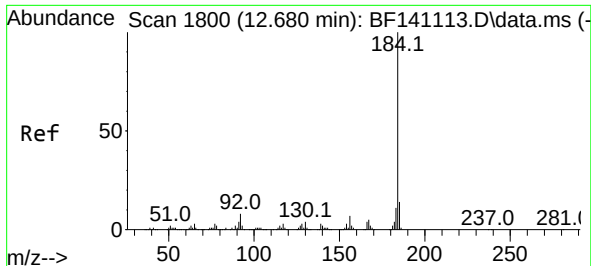
Tgt Ion:248 Resp: 38685  
Ion Ratio Lower Upper  
248 100  
250 204.3 77.9 116.9#  
141 447.6 59.9 89.9#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.963 min Scan# 2018  
Delta R.T. -0.023 min  
Lab File: BF141195.D  
Acq: 17 Jan 2025 16:21

Tgt Ion:240 Resp: 386575  
Ion Ratio Lower Upper  
240 100  
120 11.7 9.1 13.7  
236 25.2 19.8 29.6

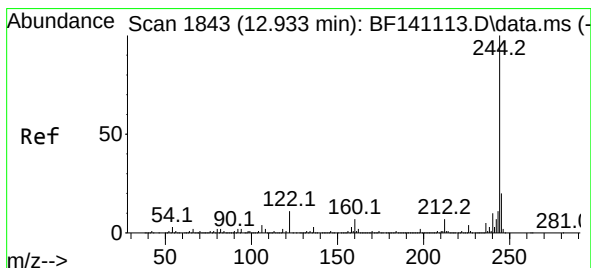
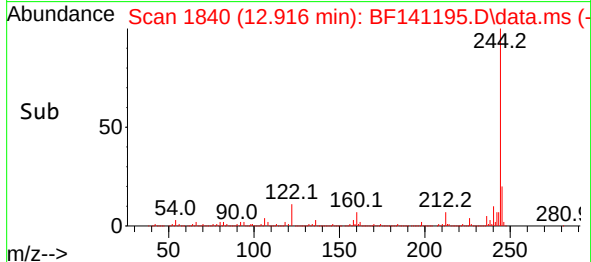
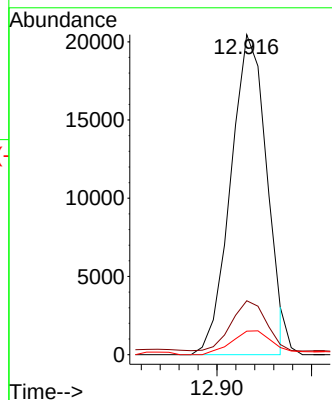
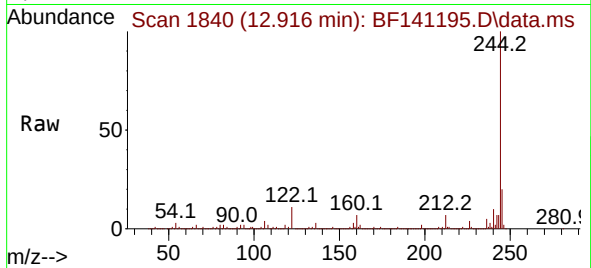




#77  
Benzidine  
Concen: 3.768 ng  
RT: 12.916 min Scan# 1840  
Delta R.T. 0.235 min  
Lab File: BF141195.D  
Acq: 17 Jan 2025 16:21

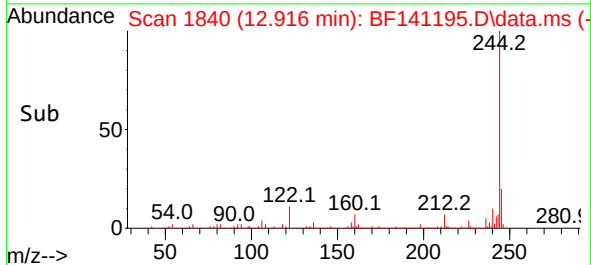
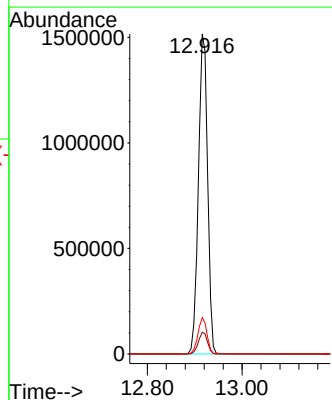
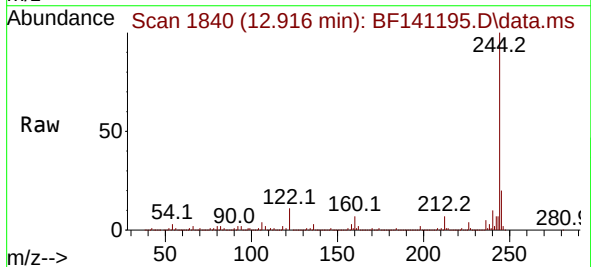
Instrument :  
BNA\_F  
ClientSampleId :  
366

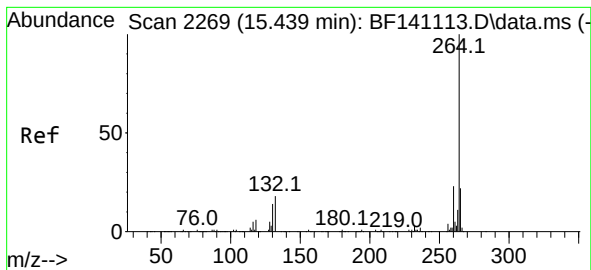
Tgt Ion:184 Resp: 27010  
Ion Ratio Lower Upper  
184 100  
185 16.8 11.4 17.0  
183 7.3 9.2 13.8#



#79  
Terphenyl-d14  
Concen: 78.352 ng  
RT: 12.916 min Scan# 1840  
Delta R.T. -0.018 min  
Lab File: BF141195.D  
Acq: 17 Jan 2025 16:21

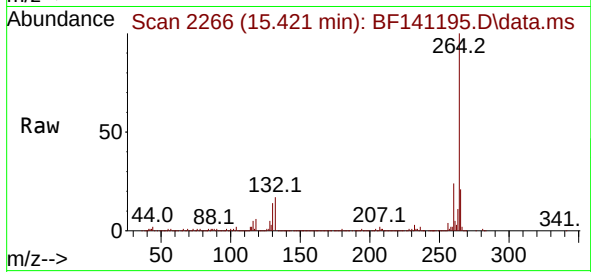
Tgt Ion:244 Resp: 2037870  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.4 8.2  
122 11.4 8.8 13.2





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.421 min Scan# 21  
Delta R.T. -0.018 min  
Lab File: BF141195.D  
Acq: 17 Jan 2025 16:21

Instrument :  
BNA\_F  
ClientSampleId :  
366



Tgt Ion:264 Resp: 422556  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.6  | 18.6  | 28.0  |
| 265 | 21.5  | 17.4  | 26.0  |

