

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091124\  
 Data File : BF139322.D  
 Acq On : 11 Sep 2024 13:36  
 Operator : RC/JU  
 Sample : PB163205TB  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB163205TB

Quant Time: Sep 11 14:03:26 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF090424.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 04 16:11:43 2024  
 Response via : Initial Calibration

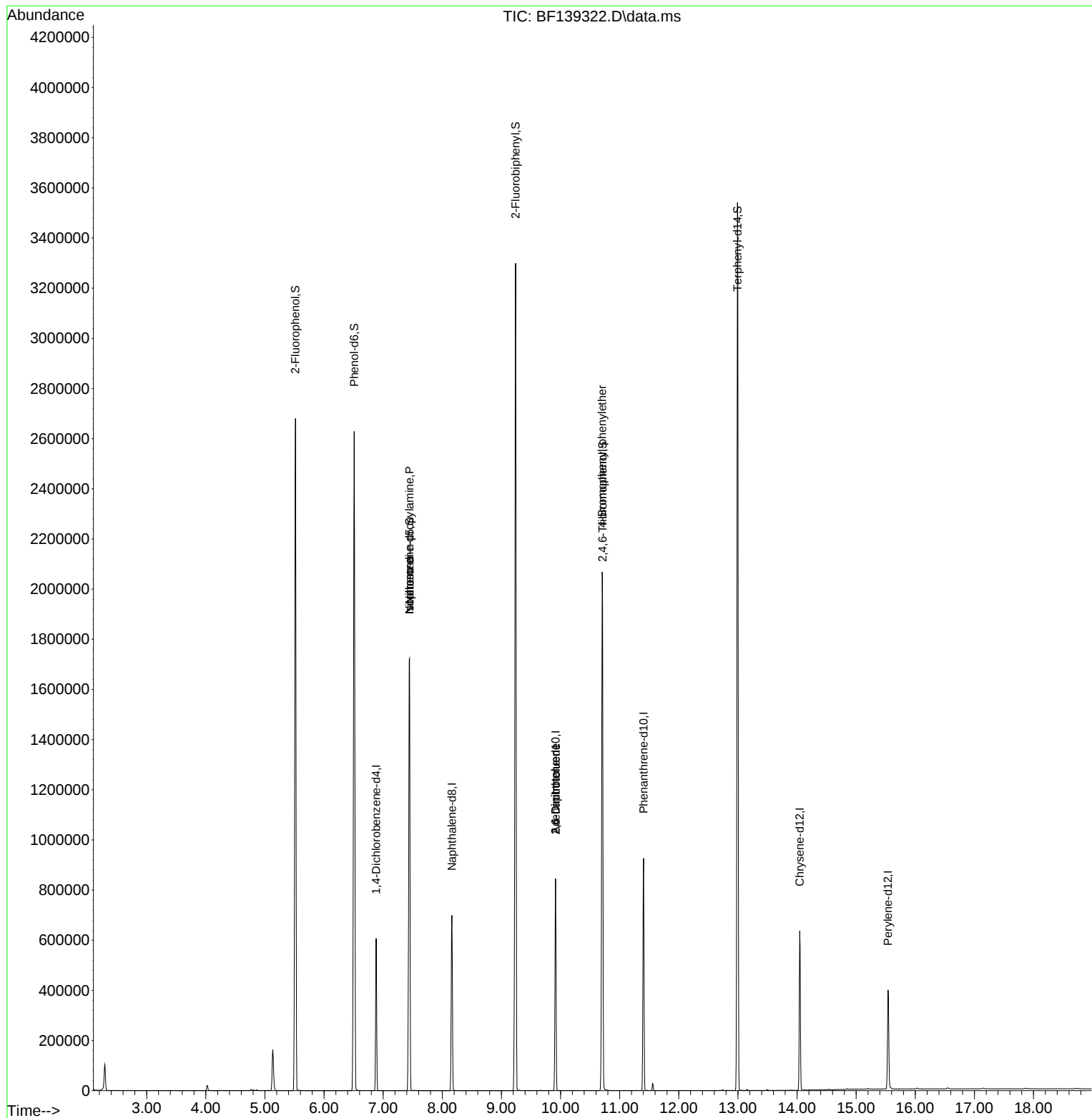
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.881  | 152  | 118040   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.163  | 136  | 441089   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.916  | 164  | 253716   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.404 | 188  | 489213   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 14.045 | 240  | 302442   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.539 | 264  | 233324   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 980093   | 138.899 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.510  | 99   | 1278887  | 135.766 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.446  | 82   | 847887   | 100.001 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 343815   | 156.930 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.239  | 172  | 1579610  | 96.106  | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.992 | 244  | 1825788  | 97.469  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.446  | 70   | 117386   | 21.637  | ng    | # 73     |
| 25) Isophorone                | 7.446  | 82   | 844380   | 58.250  | ng    | # 67     |
| 51) 2,6-Dinitrotoluene        | 9.916  | 165  | 32351    | 9.273   | ng    | # 18     |
| 57) 2,4-Dinitrotoluene        | 9.916  | 165  | 32351    | 7.286   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.704 | 248  | 23605    | 4.973   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091124\  
Data File : BF139322.D  
Acq On : 11 Sep 2024 13:36  
Operator : RC/JU  
Sample : PB163205TB  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB163205TB

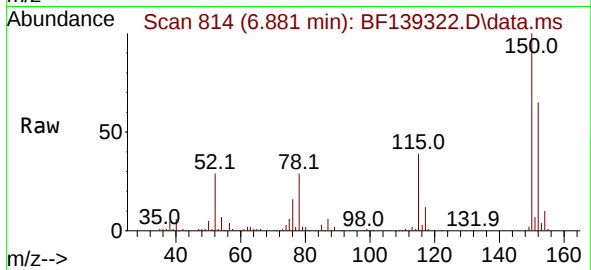
Quant Time: Sep 11 14:03:26 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF090424.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 04 16:11:43 2024  
Response via : Initial Calibration



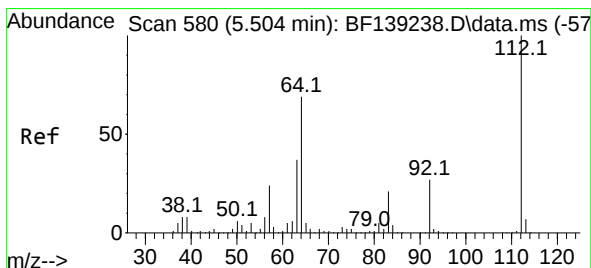
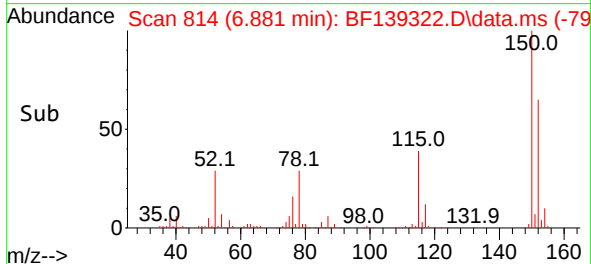
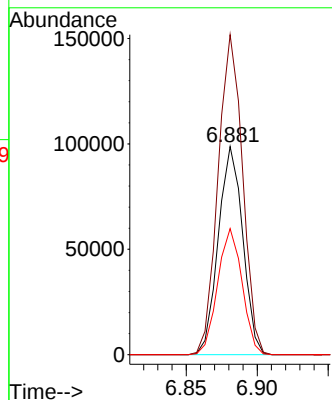


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.881 min Scan# 816  
Delta R.T. -0.012 min  
Lab File: BF139322.D  
Acq: 11 Sep 2024 13:36

Instrument :  
BNA\_F  
ClientSampleId :  
PB163205TB

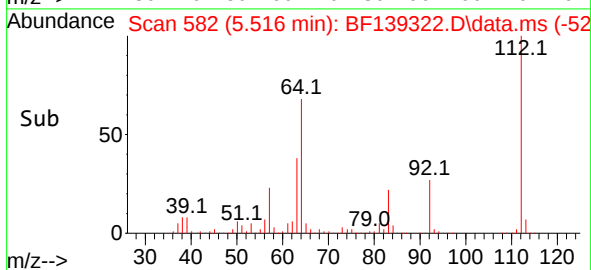
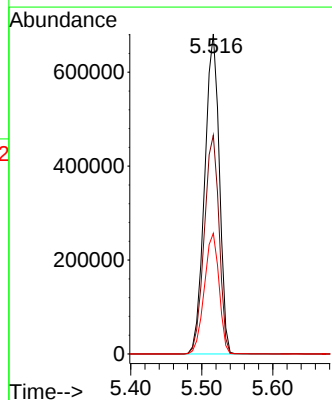
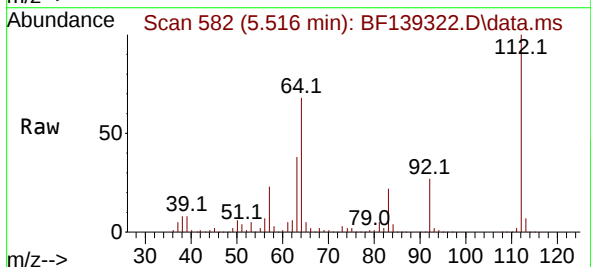


Tgt Ion:152 Resp: 118040  
Ion Ratio Lower Upper  
152 100  
150 153.7 127.0 190.4  
115 60.5 46.9 70.3



#5  
2-Fluorophenol  
Concen: 138.899 ng  
RT: 5.516 min Scan# 582  
Delta R.T. 0.012 min  
Lab File: BF139322.D  
Acq: 11 Sep 2024 13:36

Tgt Ion:112 Resp: 980093  
Ion Ratio Lower Upper  
112 100  
64 68.4 55.0 82.4  
63 37.7 29.9 44.9



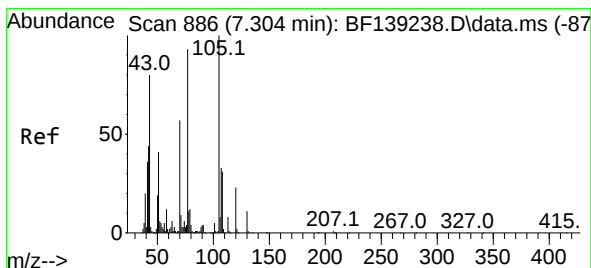
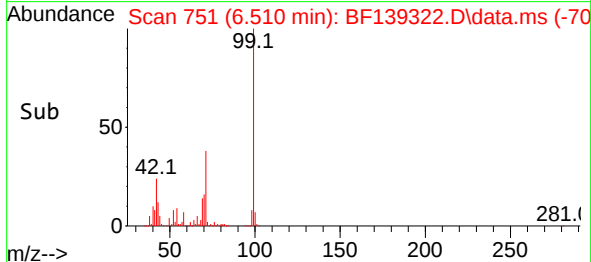
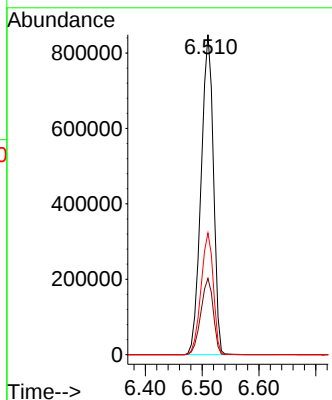
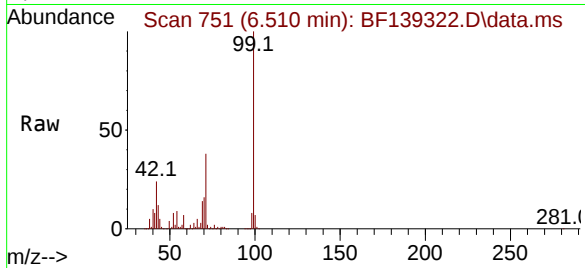


#7  
Phenol-d6  
Concen: 135.766 ng  
RT: 6.510 min Scan# 710  
Delta R.T. -0.006 min  
Lab File: BF139322.D  
Acq: 11 Sep 2024 13:36

Instrument :  
BNA\_F  
ClientSampleId :  
PB163205TB

Tgt Ion: 99 Resp: 1278887

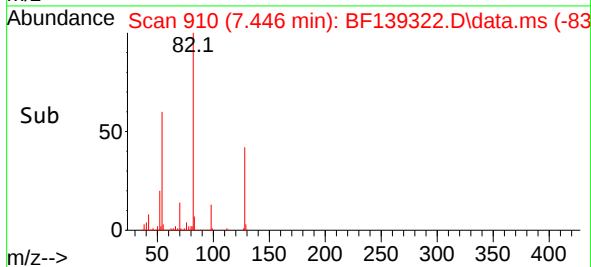
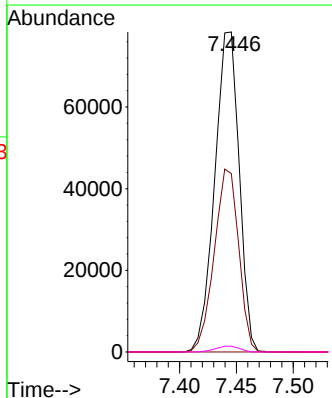
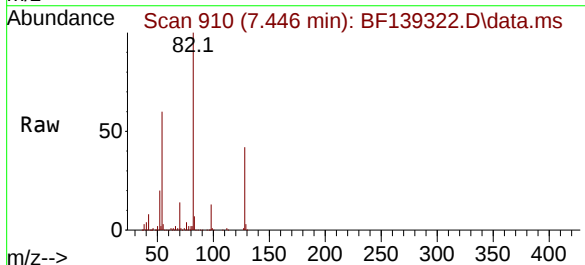
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 23.9  | 19.8  | 29.6  |
| 71  | 38.1  | 28.8  | 43.2  |

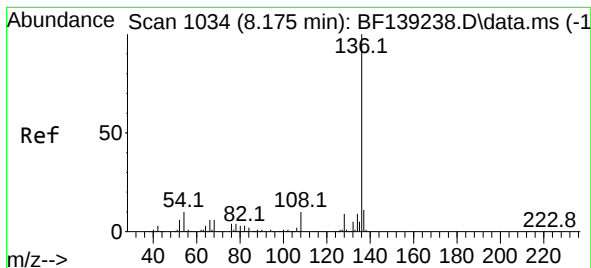


#19  
n-Nitroso-di-n-propylamine  
Concen: 21.637 ng  
RT: 7.446 min Scan# 910  
Delta R.T. 0.141 min  
Lab File: BF139322.D  
Acq: 11 Sep 2024 13:36

Tgt Ion: 70 Resp: 117386

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 55.7  | 61.0  | 91.6# |
| 101 | 0.0   | 7.2   | 10.8# |
| 130 | 1.8   | 16.1  | 24.1# |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139322.D

Acq: 11 Sep 2024 13:36

Instrument :

BNA\_F

ClientSampleId :

PB163205TB

Tgt Ion:136 Resp: 441089

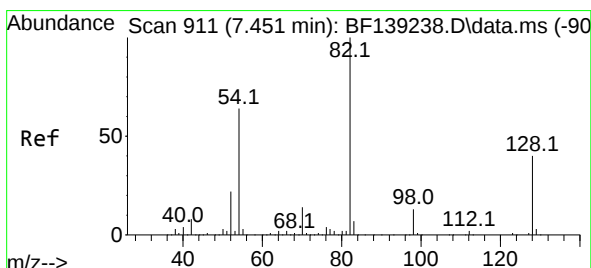
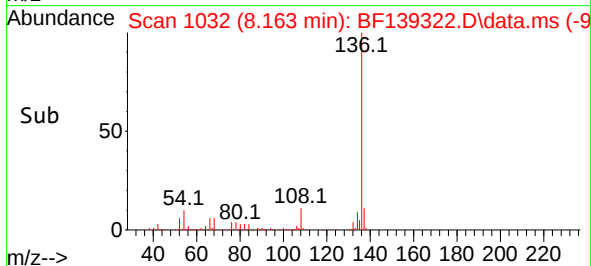
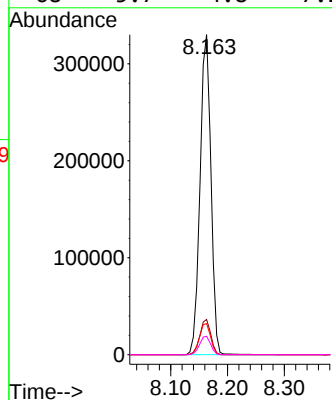
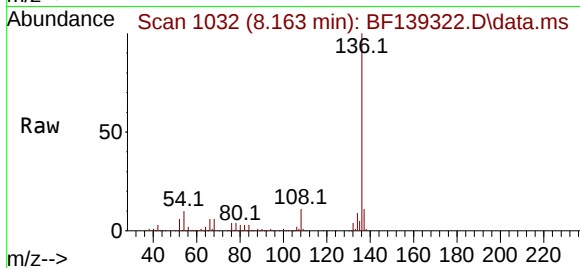
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 9.7 8.4 12.6

68 5.7 4.8 7.2



#23

Nitrobenzene-d5

Concen: 100.001 ng

RT: 7.446 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF139322.D

Acq: 11 Sep 2024 13:36

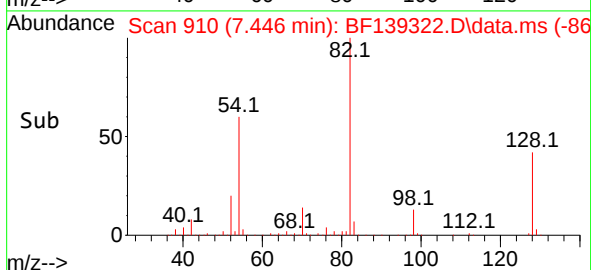
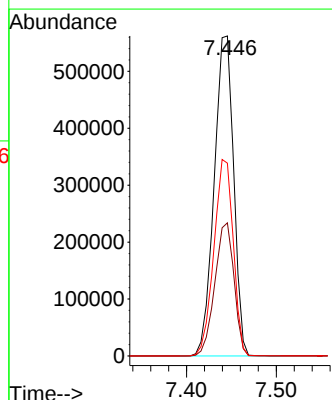
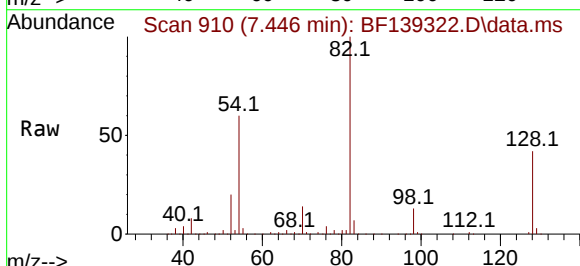
Tgt Ion: 82 Resp: 847887

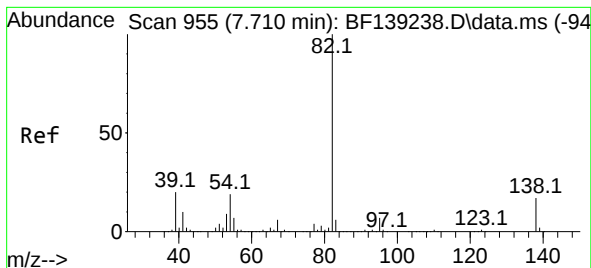
Ion Ratio Lower Upper

82 100

128 41.6 32.3 48.5

54 60.2 51.2 76.8





#25

Isophorone

Concen: 58.250 ng

RT: 7.446 min Scan# 91

Delta R.T. -0.265 min

Lab File: BF139322.D

Acq: 11 Sep 2024 13:36

Instrument :

BNA\_F

ClientSampleId :

PB163205TB

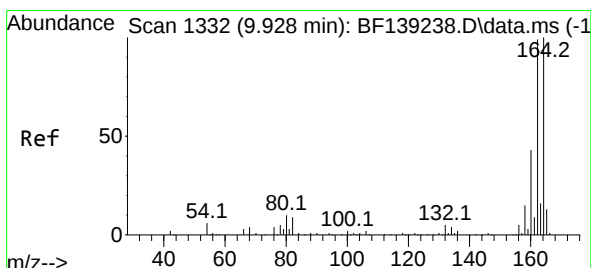
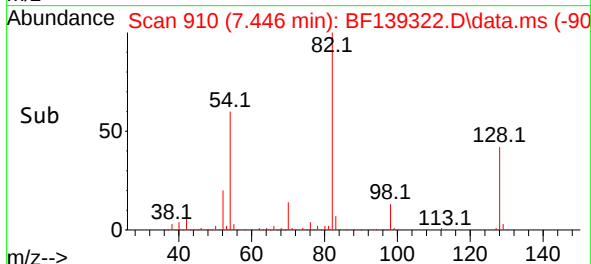
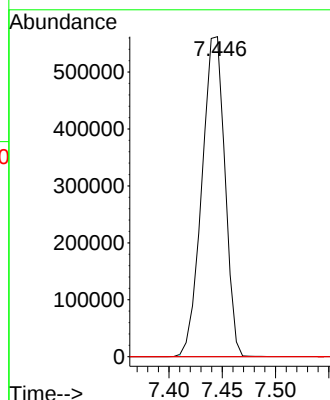
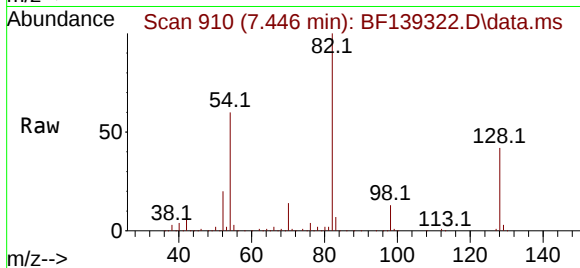
Tgt Ion: 82 Resp: 844380

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 13.4 20.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.012 min

Lab File: BF139322.D

Acq: 11 Sep 2024 13:36

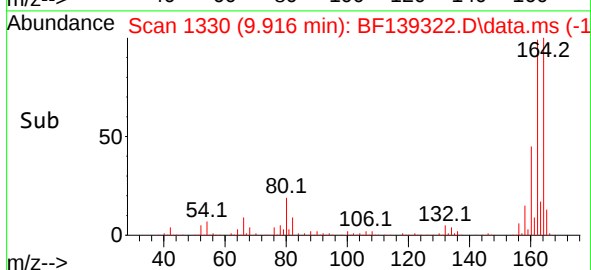
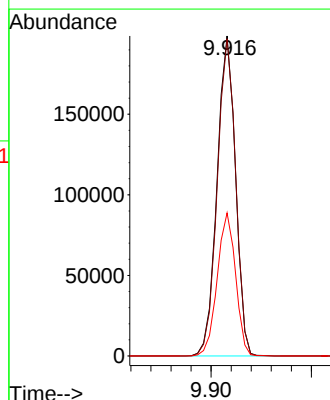
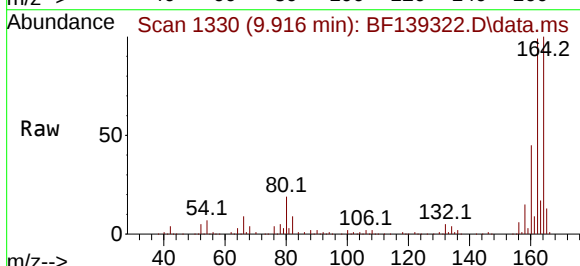
Tgt Ion:164 Resp: 253716

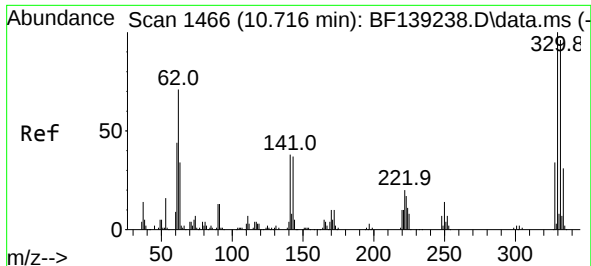
Ion Ratio Lower Upper

164 100

162 99.1 79.2 118.8

160 44.7 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 156.930 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139322.D

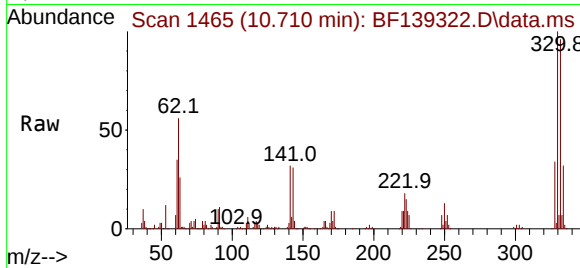
Acq: 11 Sep 2024 13:36

Instrument :

BNA\_F

ClientSampleId :

PB163205TB



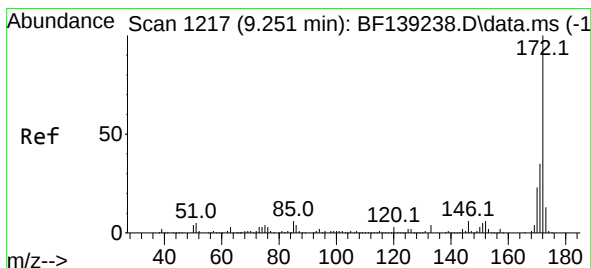
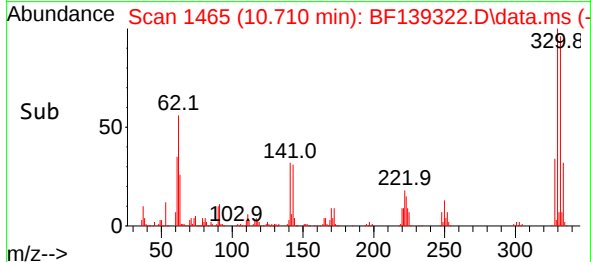
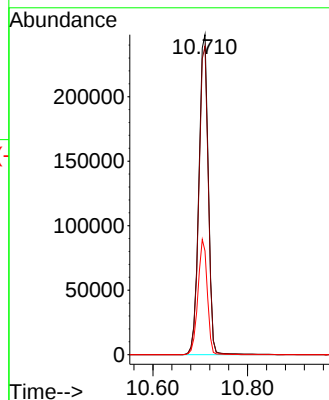
Tgt Ion:330 Resp: 343815

Ion Ratio Lower Upper

330 100

332 96.0 76.6 115.0

141 35.5 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 96.106 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF139322.D

Acq: 11 Sep 2024 13:36

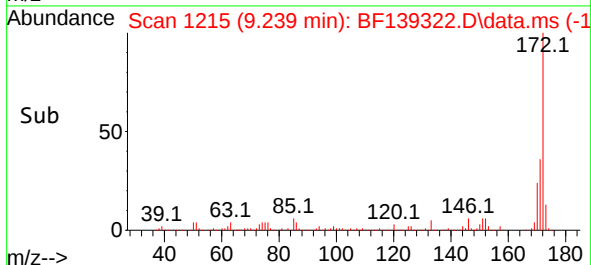
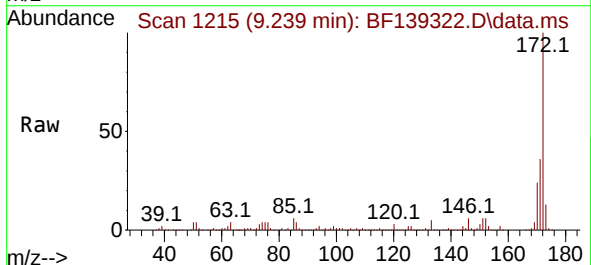
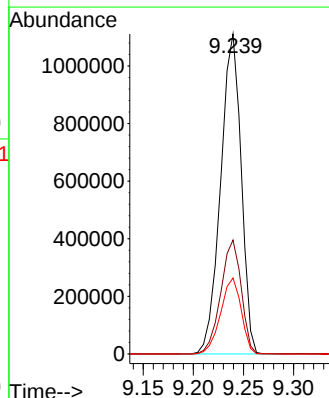
Tgt Ion:172 Resp: 1579610

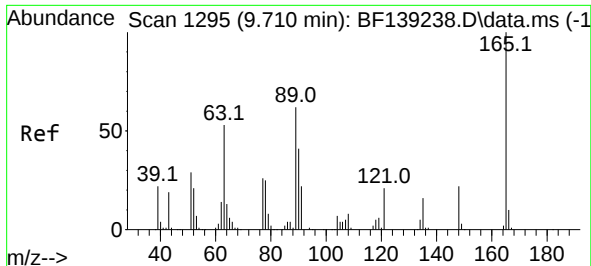
Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.8 18.7 28.1





#51

2,6-Dinitrotoluene

Concen: 9.273 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF139322.D

Acq: 11 Sep 2024 13:36

Instrument :

BNA\_F

ClientSampleId :

PB163205TB

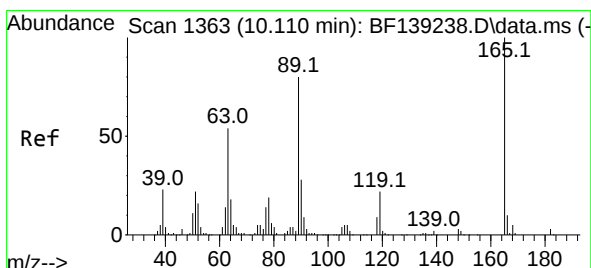
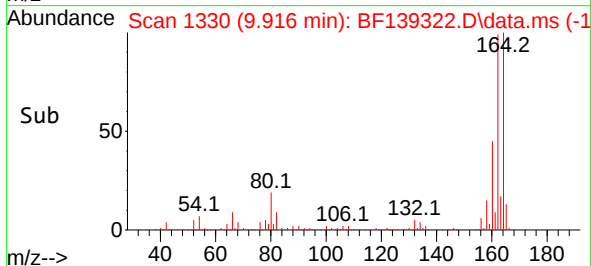
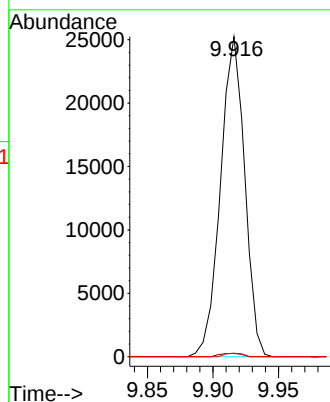
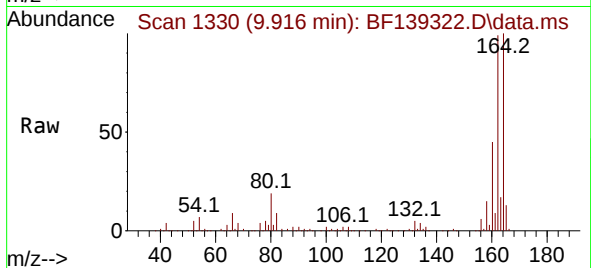
Tgt Ion:165 Resp: 32351

Ion Ratio Lower Upper

165 100

63 1.0 56.1 84.1#

89 1.1 49.7 74.5#



#57

2,4-Dinitrotoluene

Concen: 7.286 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.194 min

Lab File: BF139322.D

Acq: 11 Sep 2024 13:36

Tgt Ion:165 Resp: 32351

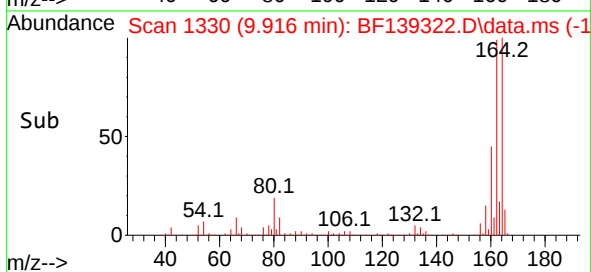
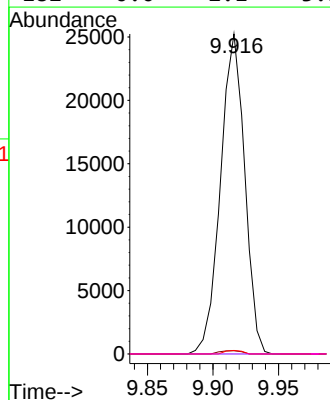
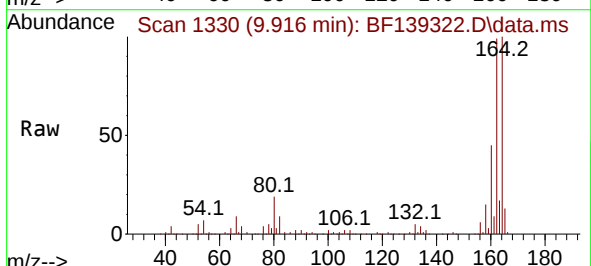
Ion Ratio Lower Upper

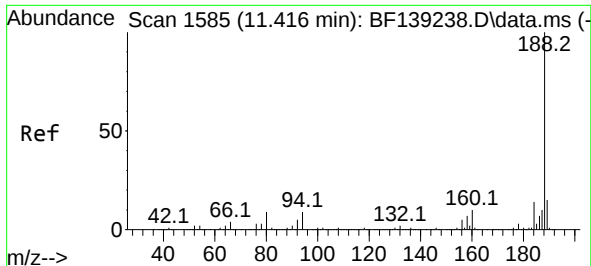
165 100

63 1.0 43.4 65.0#

89 1.1 64.2 96.4#

182 0.0 2.1 3.1#

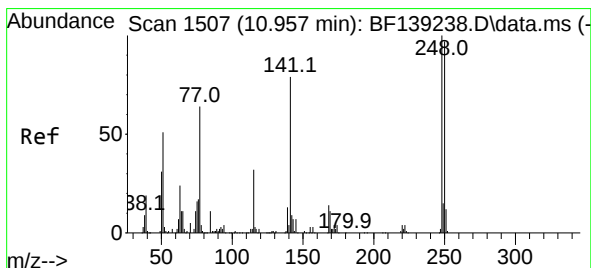
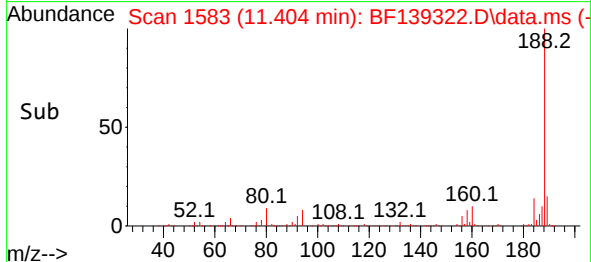
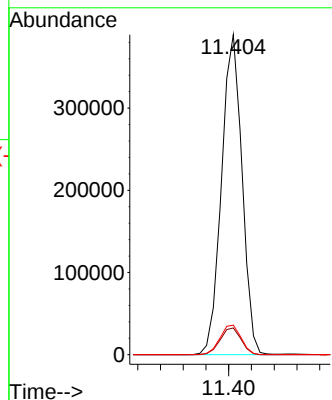
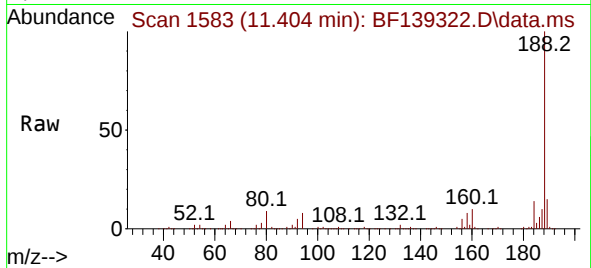




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF139322.D  
Acq: 11 Sep 2024 13:36

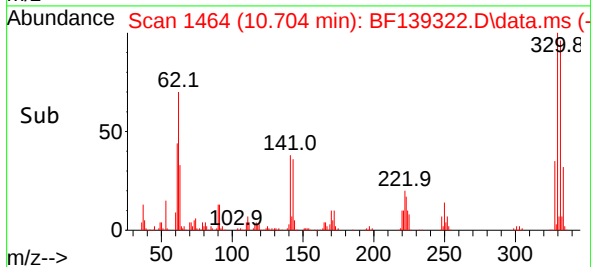
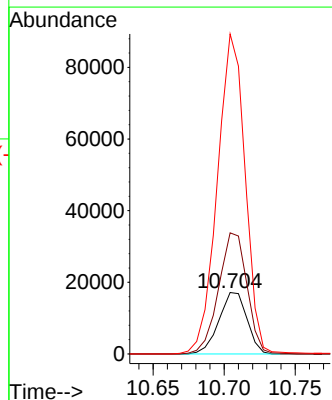
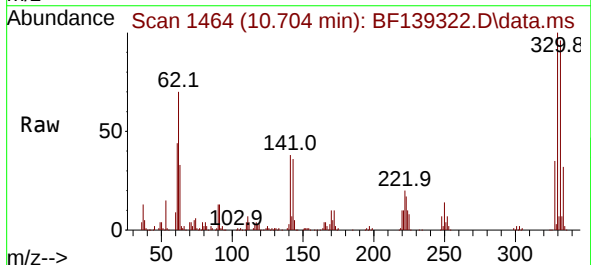
Instrument :  
BNA\_F  
ClientSampleId :  
PB163205TB

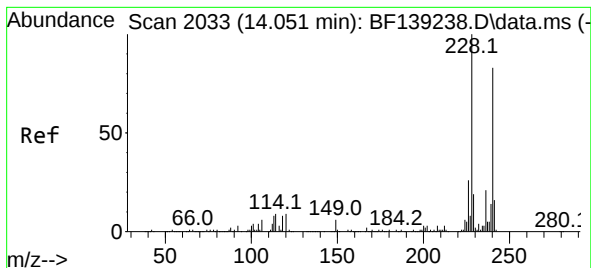
Tgt Ion:188 Resp: 489213  
Ion Ratio Lower Upper  
188 100  
94 8.4 7.0 10.4  
80 9.3 7.3 10.9



#67  
4-Bromophenyl-phenylether  
Concen: 4.973 ng  
RT: 10.704 min Scan# 1464  
Delta R.T. -0.253 min  
Lab File: BF139322.D  
Acq: 11 Sep 2024 13:36

Tgt Ion:248 Resp: 23605  
Ion Ratio Lower Upper  
248 100  
250 197.3 77.2 115.8#  
141 521.0 63.6 95.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF139322.D

Acq: 11 Sep 2024 13:36

Instrument :

BNA\_F

ClientSampleId :

PB163205TB

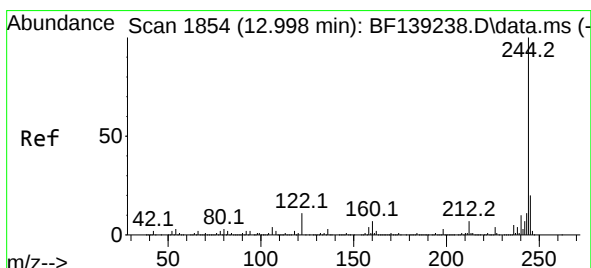
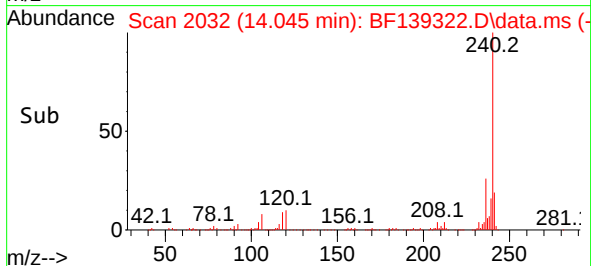
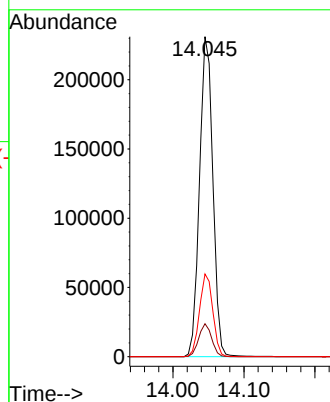
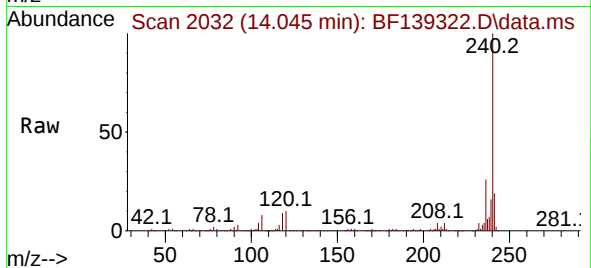
Tgt Ion:240 Resp: 302442

Ion Ratio Lower Upper

240 100

120 10.3 8.6 12.8

236 25.8 20.7 31.1



#79

Terphenyl-d14

Concen: 97.469 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF139322.D

Acq: 11 Sep 2024 13:36

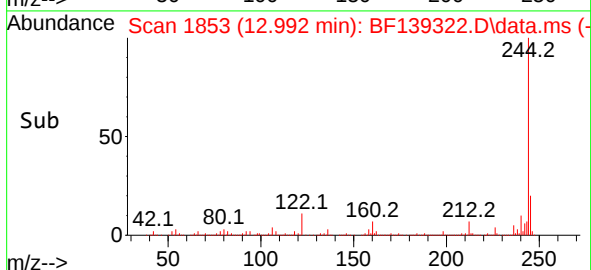
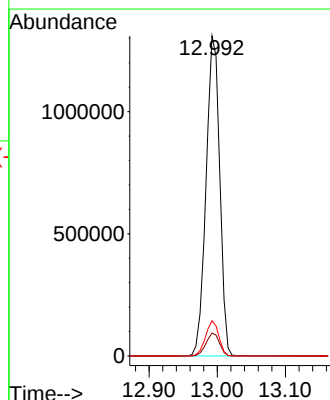
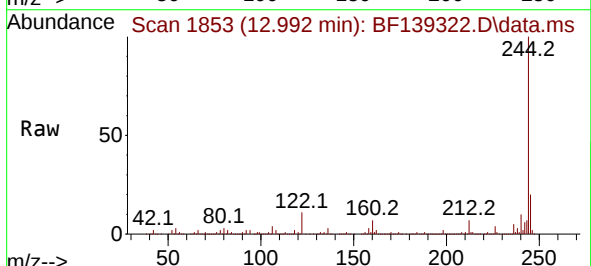
Tgt Ion:244 Resp: 1825788

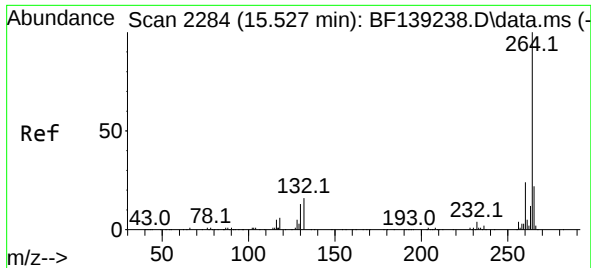
Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

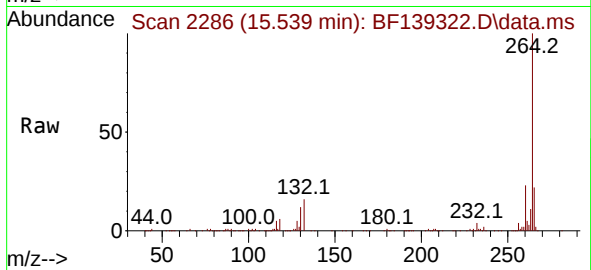
122 11.0 8.7 13.1





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.539 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF139322.D  
Acq: 11 Sep 2024 13:36

Instrument :  
BNA\_F  
ClientSampleId :  
PB163205TB



Tgt Ion:264 Resp: 233324  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.8  | 18.8  | 28.2  |
| 265 | 21.5  | 17.3  | 25.9  |

