

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010522\  
 Data File : BF126492.D  
 Acq On : 5 Jan 2022 12:45  
 Operator : JU/CG  
 Sample : PB141539TB  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB141539TB

Quant Time: Jan 06 01:08:13 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 05 01:57:07 2022  
 Response via : Initial Calibration

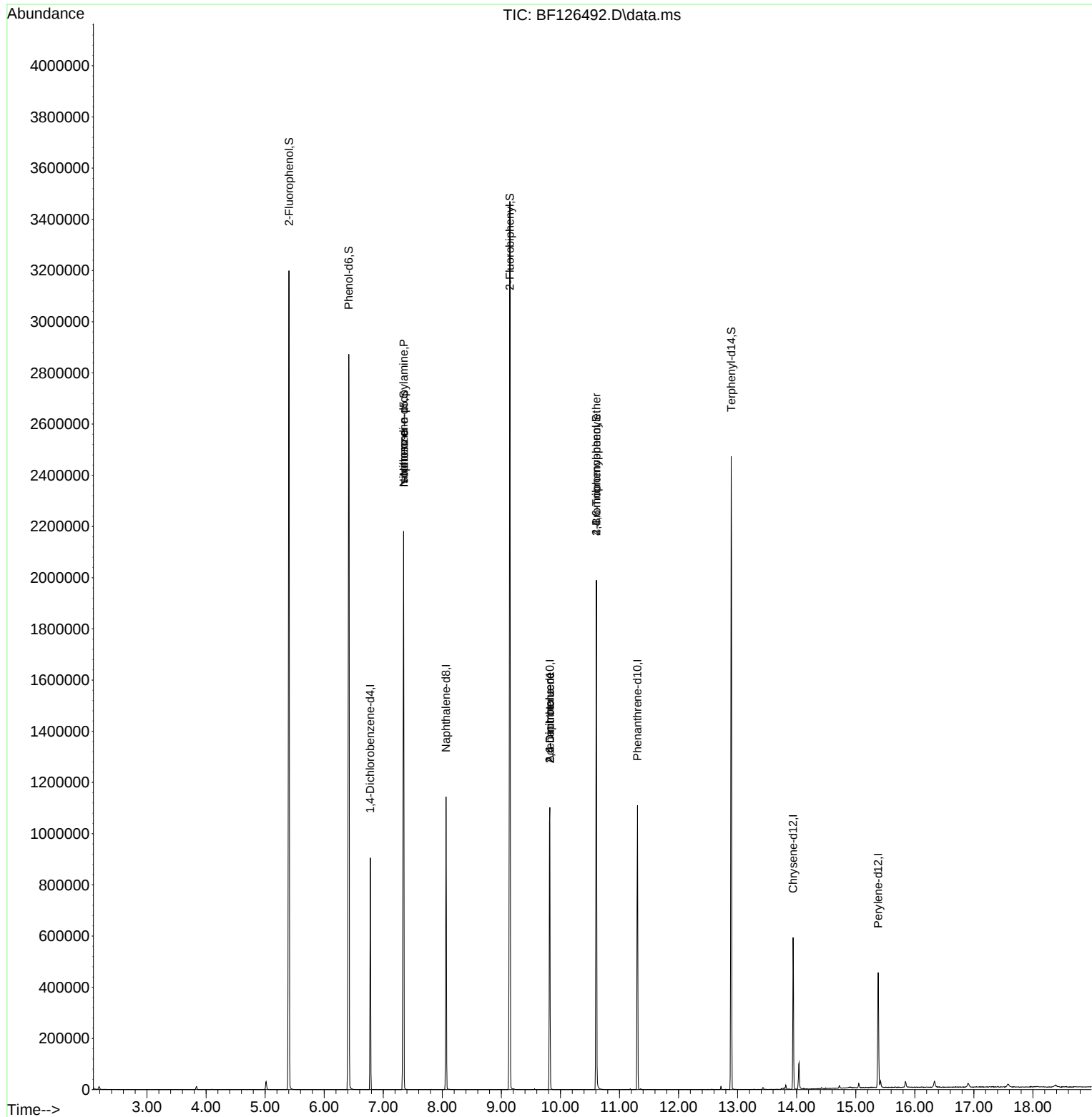
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 119397   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.063  | 136  | 504169   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.822  | 164  | 235422   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.304 | 188  | 364642   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 13.939 | 240  | 190126   | 20.000    | ng    | -0.01    |
| 86) Perylene-d12              | 15.380 | 264  | 186413   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.404  | 112  | 1010566  | 121.547   | ng    | 0.01     |
| 7) Phenol-d6                  | 6.416  | 99   | 1264508  | 117.425   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 819830   | 83.494    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.610 | 330  | 243206   | 133.688   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 1121226  | 83.809    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.892 | 244  | 859646   | 87.849    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.345  | 70   | 102676   | 16.709    | ng    | # 79     |
| 25) Isophorone                | 7.345  | 82   | 819628   | 46.629    | ng    | # 69     |
| 51) 2,6-Dinitrotoluene        | 9.822  | 165  | 30967    | 9.757     | ng    | # 20     |
| 57) 2,4-Dinitrotoluene        | 9.822  | 165  | 30967    | 7.562     | ng    | # 14     |
| 67) 4-Bromophenyl-phenylether | 10.610 | 248  | 12683    | 3.919     | ng    | # 1      |
| 77) Benzidine                 | 12.892 | 184  | 10781    | Below Cal |       | # 93     |
| -----                         |        |      |          |           |       |          |

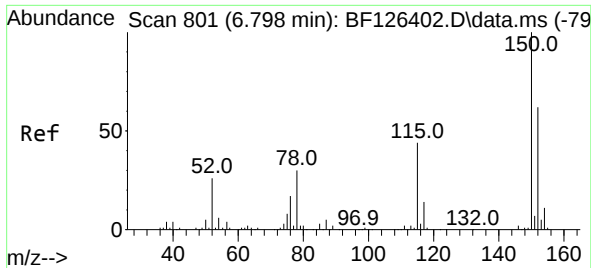
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010522\  
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BNA\_F  
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Quant Time: Jan 06 01:08:13 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 05 01:57:07 2022  
Response via : Initial Calibration

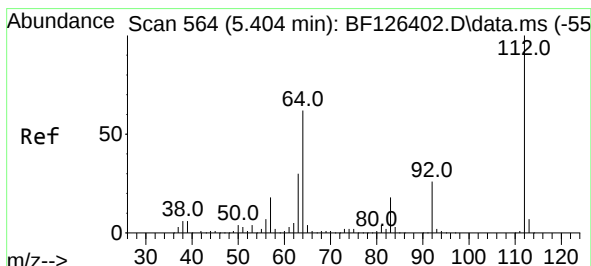
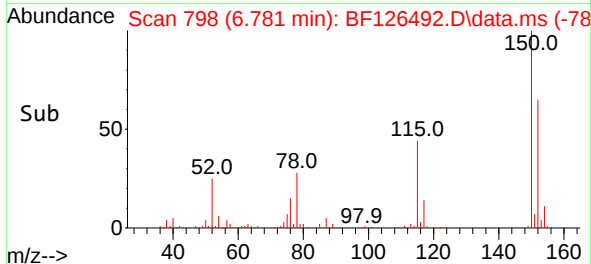
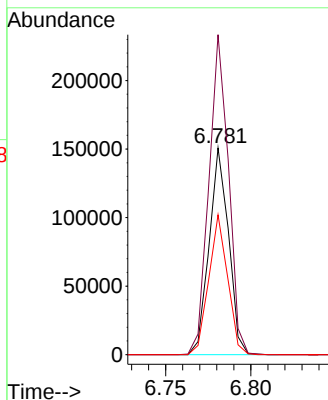
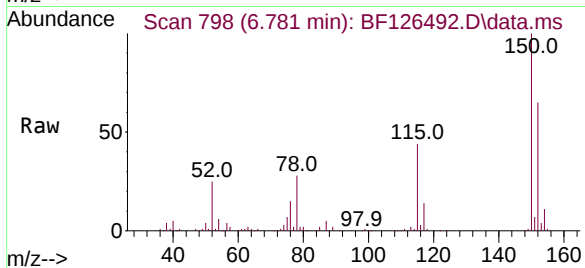




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 798  
Delta R.T. -0.005 min  
Lab File: BF126492.D  
Acq: 5 Jan 2022 12:45

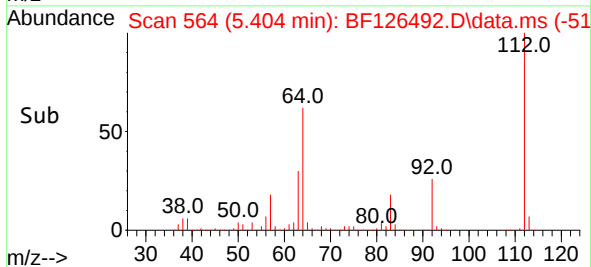
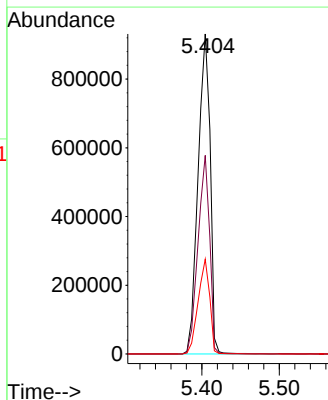
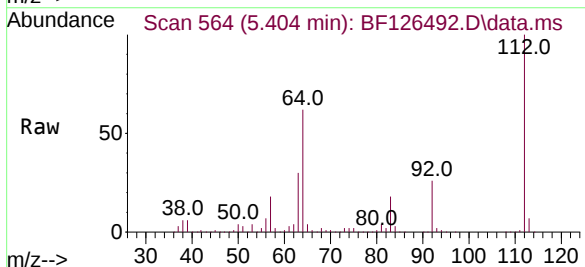
Instrument :  
BNA\_F  
ClientSampleId :  
PB141539TB

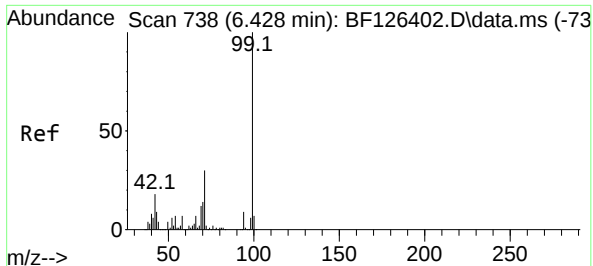
Tgt Ion:152 Resp: 119397  
Ion Ratio Lower Upper  
152 100  
150 154.8 128.1 192.1  
115 67.6 56.7 85.1



#5  
2-Fluorophenol  
Concen: 121.547 ng  
RT: 5.404 min Scan# 564  
Delta R.T. 0.012 min  
Lab File: BF126492.D  
Acq: 5 Jan 2022 12:45

Tgt Ion:112 Resp: 1010566  
Ion Ratio Lower Upper  
112 100  
64 62.1 49.5 74.3  
63 29.6 23.9 35.9

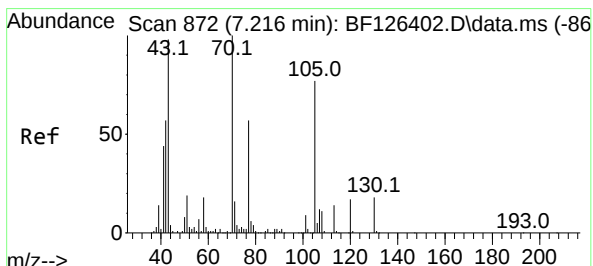
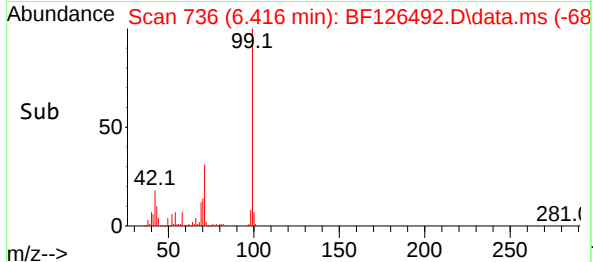
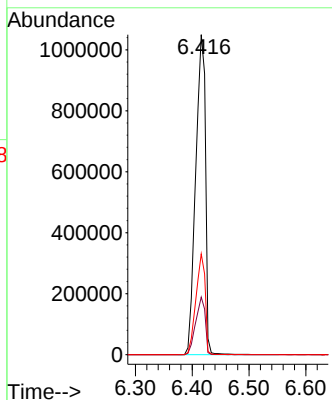
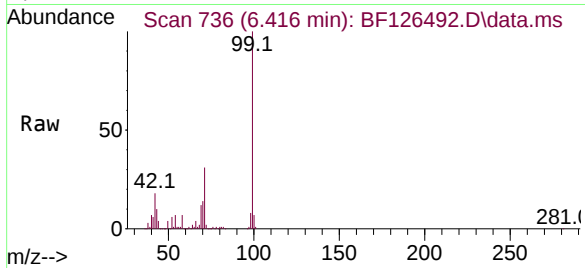




#7  
Phenol-d6  
Concen: 117.425 ng  
RT: 6.416 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF126492.D  
Acq: 5 Jan 2022 12:45

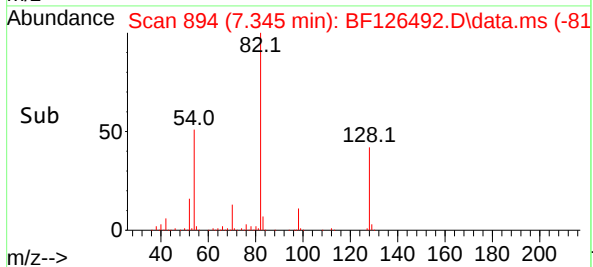
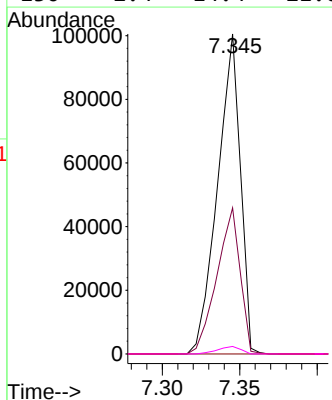
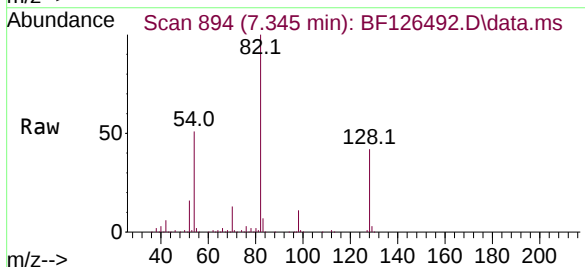
Instrument :  
BNA\_F  
ClientSampleId :  
PB141539TB

Tgt Ion: 99 Resp: 1264508  
Ion Ratio Lower Upper  
99 100  
42 18.0 14.2 21.4  
71 31.5 24.3 36.5



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.709 ng  
RT: 7.345 min Scan# 894  
Delta R.T. 0.141 min  
Lab File: BF126492.D  
Acq: 5 Jan 2022 12:45

Tgt Ion: 70 Resp: 102676  
Ion Ratio Lower Upper  
70 100  
42 45.6 45.8 68.8#  
101 0.0 6.9 10.3#  
130 2.4 14.4 21.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF126492.D

Acq: 5 Jan 2022 12:45

Instrument :

BNA\_F

ClientSampleId :

PB141539TB

Tgt Ion:136 Resp: 504169

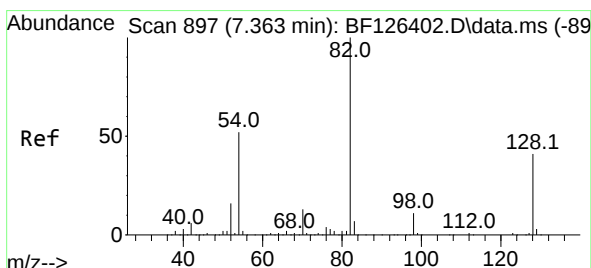
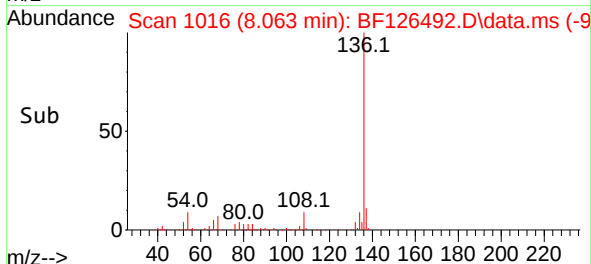
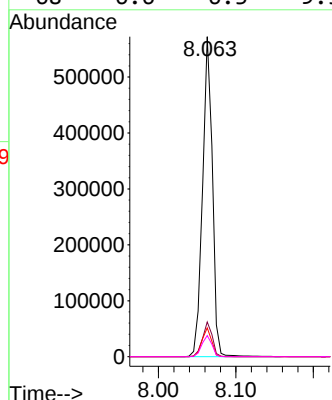
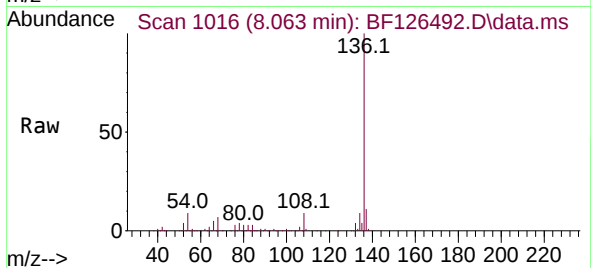
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 9.0 7.8 11.6

68 6.6 6.3 9.5



#23

Nitrobenzene-d5

Concen: 83.494 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF126492.D

Acq: 5 Jan 2022 12:45

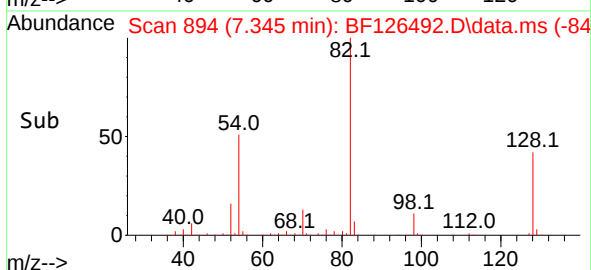
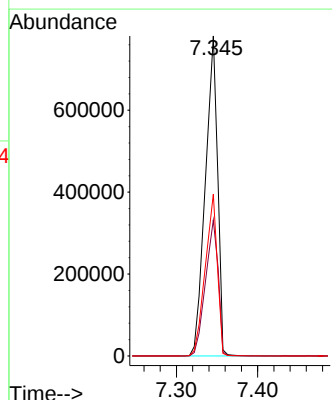
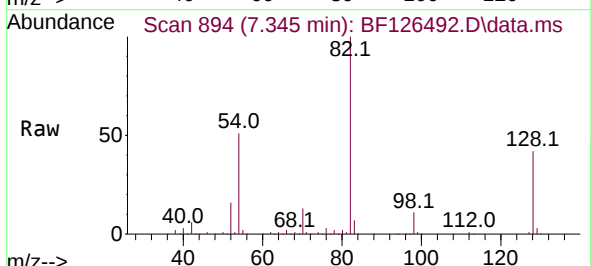
Tgt Ion: 82 Resp: 819830

Ion Ratio Lower Upper

82 100

128 42.5 32.7 49.1

54 50.6 41.7 62.5

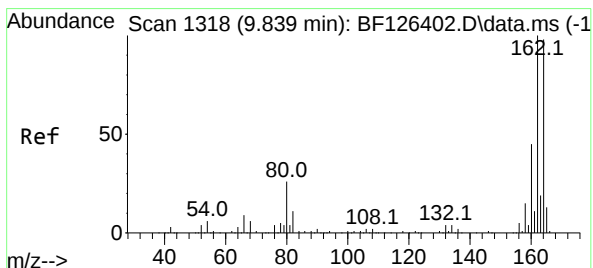
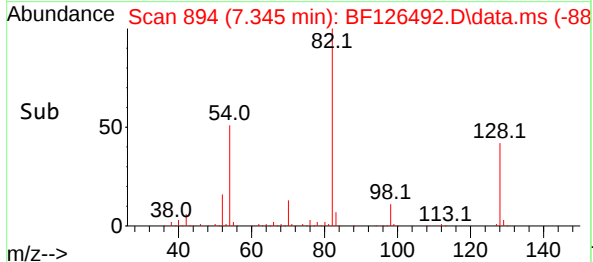
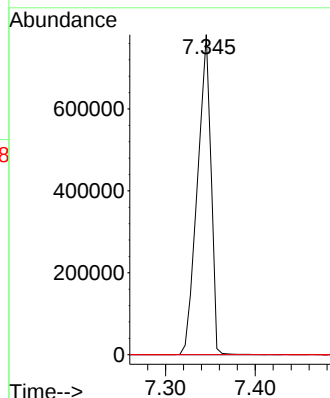
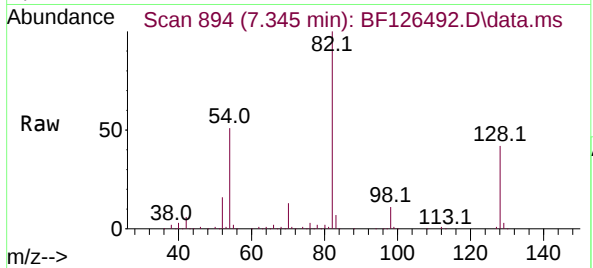




#25  
Isophorone  
Concen: 46.629 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.265 min  
Lab File: BF126492.D  
Acq: 5 Jan 2022 12:45

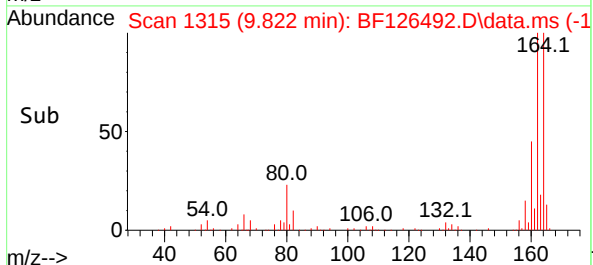
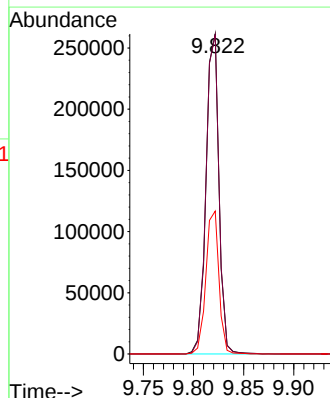
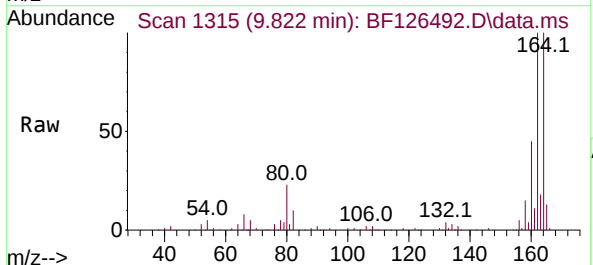
Instrument :  
BNA\_F  
ClientSampleId :  
PB141539TB

Tgt Ion: 82 Resp: 819628  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.0 7.4#  
138 0.0 12.3 18.5#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.822 min Scan# 1315  
Delta R.T. -0.006 min  
Lab File: BF126492.D  
Acq: 5 Jan 2022 12:45

Tgt Ion: 164 Resp: 235422  
Ion Ratio Lower Upper  
164 100  
162 99.7 81.4 122.0  
160 44.7 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 133.688 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF126492.D

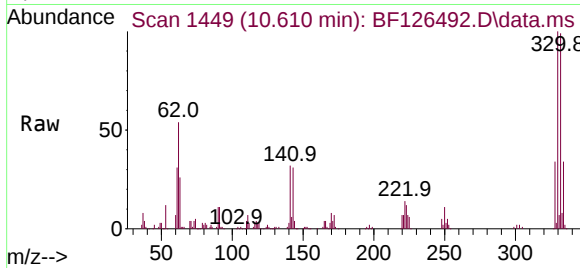
Acq: 5 Jan 2022 12:45

Instrument :

BNA\_F

ClientSampleId :

PB141539TB



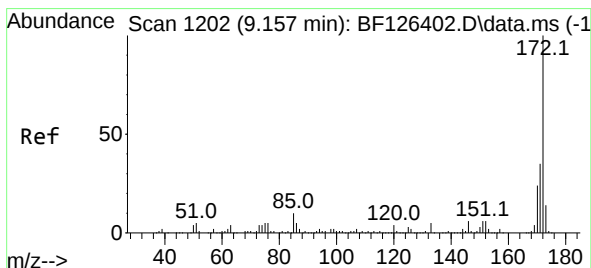
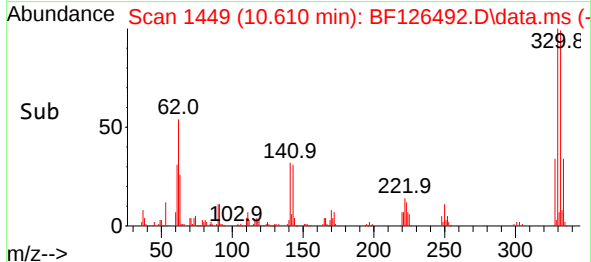
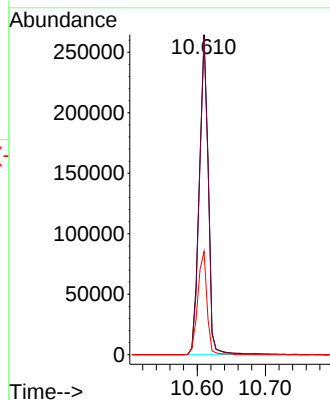
Tgt Ion:330 Resp: 243206

Ion Ratio Lower Upper

330 100

332 97.4 76.0 114.0

141 32.9 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 83.809 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF126492.D

Acq: 5 Jan 2022 12:45

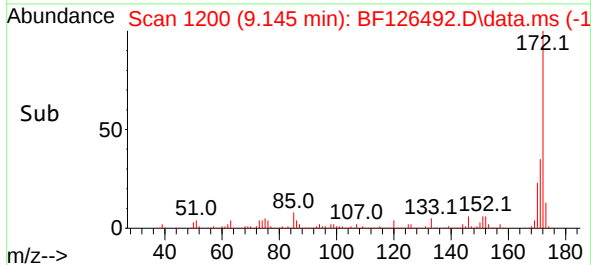
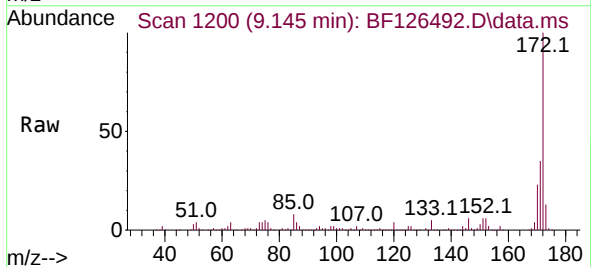
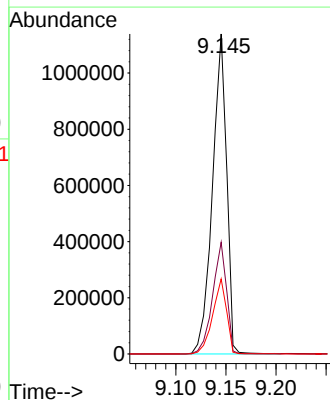
Tgt Ion:172 Resp: 1121226

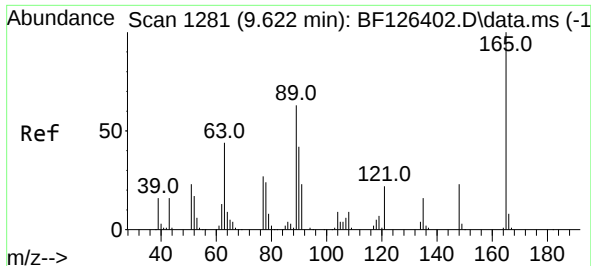
Ion Ratio Lower Upper

172 100

171 34.9 28.3 42.5

170 23.4 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 9.757 ng

RT: 9.822 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF126492.D

Acq: 5 Jan 2022 12:45

Instrument :

BNA\_F

ClientSampleId :

PB141539TB

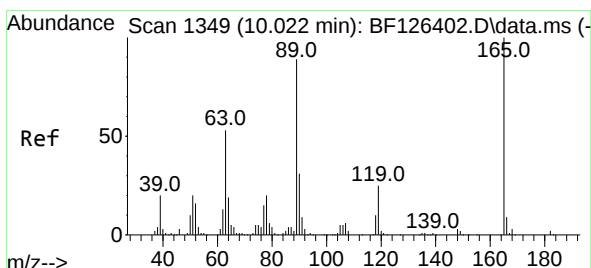
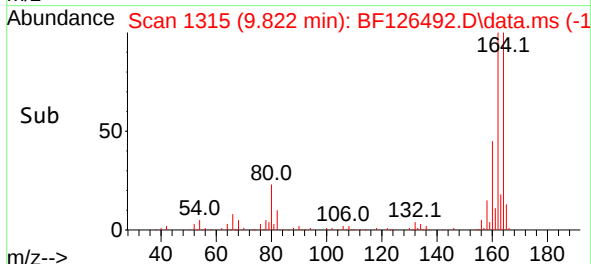
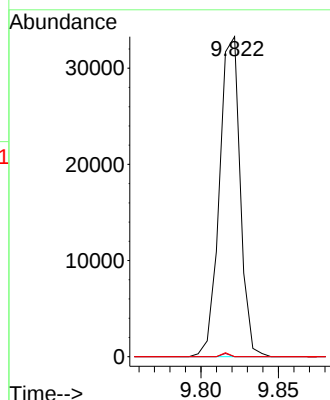
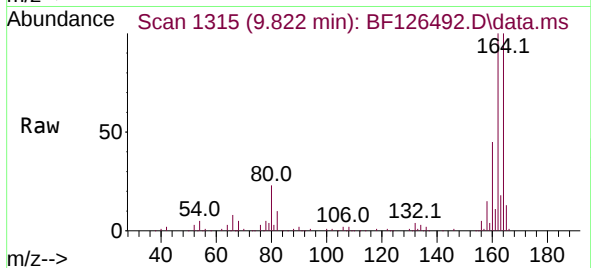
Tgt Ion:165 Resp: 30967

Ion Ratio Lower Upper

165 100

63 0.0 48.4 72.6#

89 0.0 50.5 75.7#



#57

2,4-Dinitrotoluene

Concen: 7.562 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.194 min

Lab File: BF126492.D

Acq: 5 Jan 2022 12:45

Tgt Ion:165 Resp: 30967

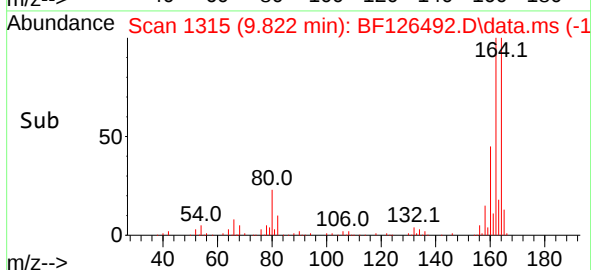
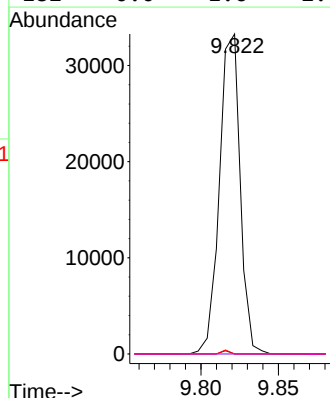
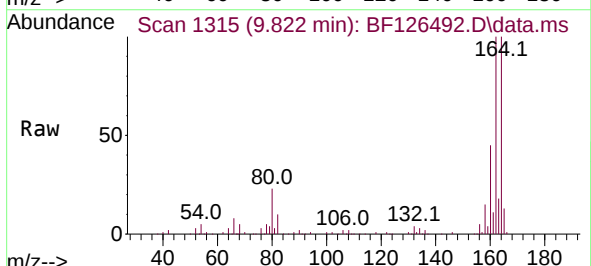
Ion Ratio Lower Upper

165 100

63 0.0 43.0 64.6#

89 0.0 71.0 106.4#

182 0.0 1.6 2.4#

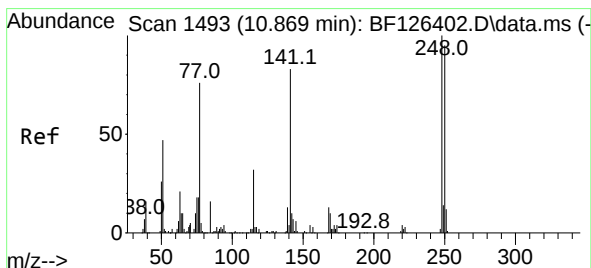
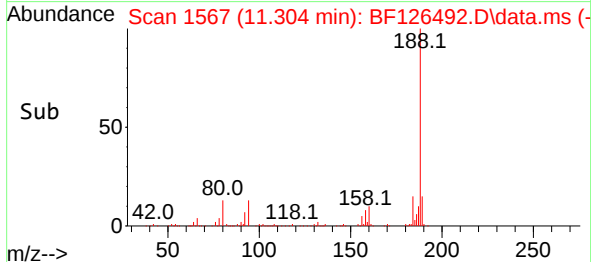
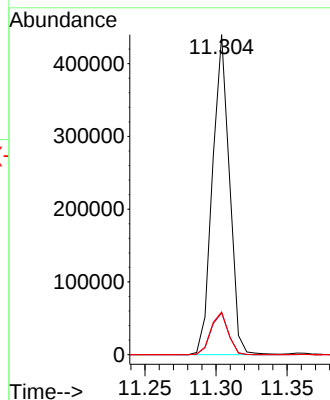
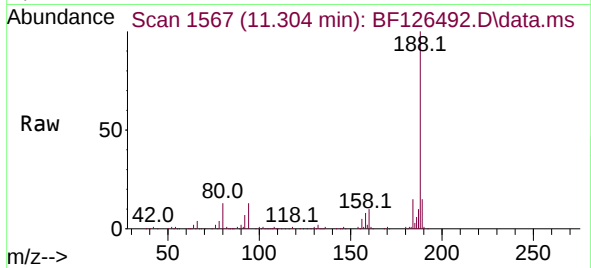




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.304 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF126492.D  
Acq: 5 Jan 2022 12:45

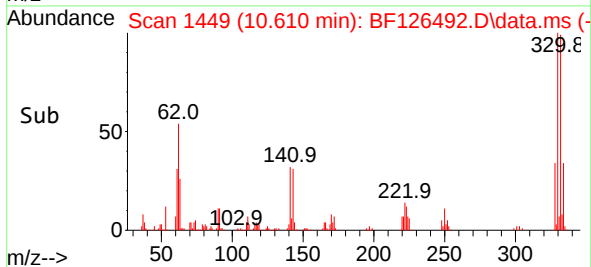
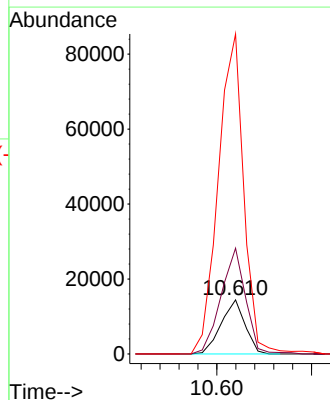
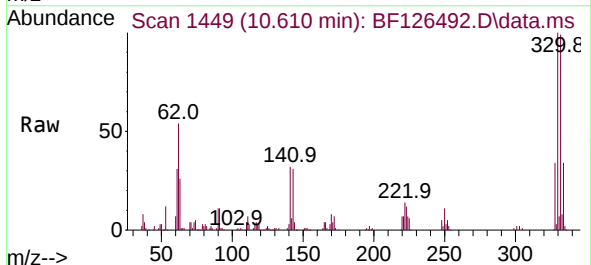
Instrument :  
BNA\_F  
ClientSampleId :  
PB141539TB

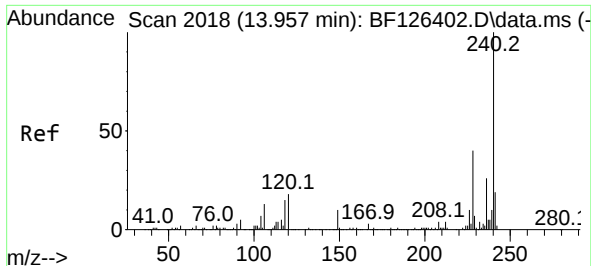
Tgt Ion:188 Resp: 364642  
Ion Ratio Lower Upper  
188 100  
94 13.0 10.1 15.1  
80 13.4 11.8 17.6



#67  
4-Bromophenyl-phenylether  
Concen: 3.919 ng  
RT: 10.610 min Scan# 1449  
Delta R.T. -0.247 min  
Lab File: BF126492.D  
Acq: 5 Jan 2022 12:45

Tgt Ion:248 Resp: 12683  
Ion Ratio Lower Upper  
248 100  
250 195.9 76.2 114.4#  
141 592.3 66.2 99.4#

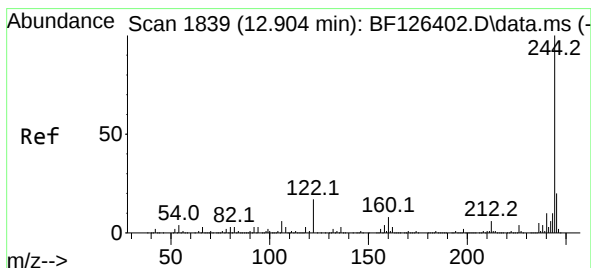
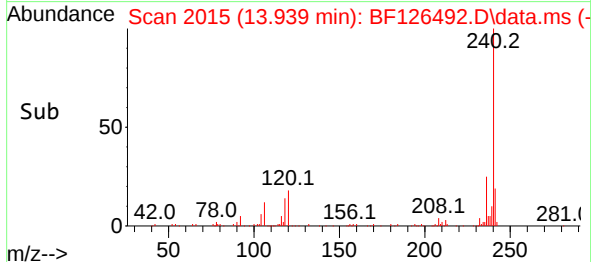
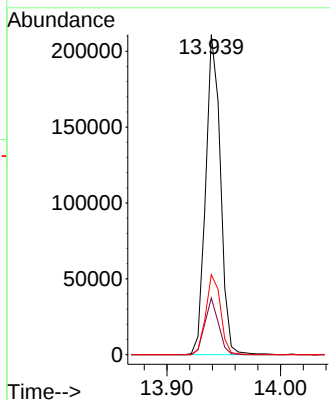
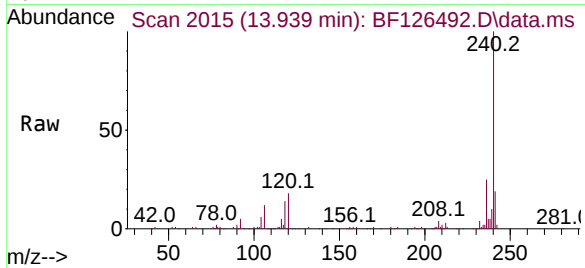




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.939 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BF126492.D  
Acq: 5 Jan 2022 12:45

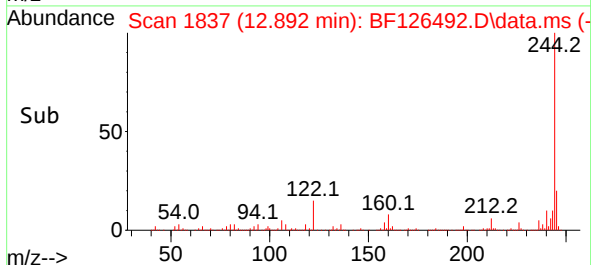
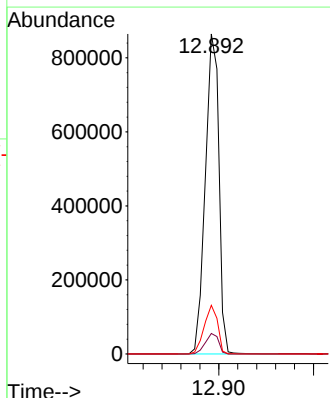
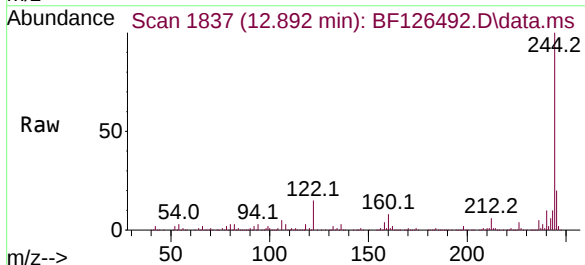
Instrument :  
BNA\_F  
ClientSampleId :  
PB141539TB

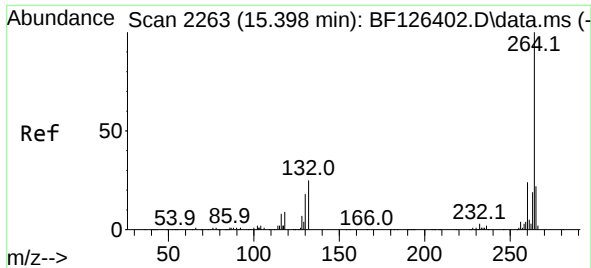
Tgt Ion:240 Resp: 190126  
Ion Ratio Lower Upper  
240 100  
120 17.7 14.4 21.6  
236 25.0 20.5 30.7



#79  
Terphenyl-d14  
Concen: 87.849 ng  
RT: 12.892 min Scan# 1837  
Delta R.T. -0.006 min  
Lab File: BF126492.D  
Acq: 5 Jan 2022 12:45

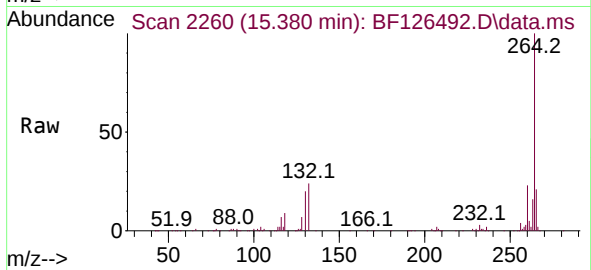
Tgt Ion:244 Resp: 859646  
Ion Ratio Lower Upper  
244 100  
212 6.4 5.0 7.4  
122 15.2 13.3 19.9





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.380 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF126492.D  
Acq: 5 Jan 2022 12:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB141539TB



Tgt Ion:264 Resp: 186413  
Ion Ratio Lower Upper  
264 100  
260 22.8 19.2 28.8  
265 21.2 17.4 26.2

