

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051822\  
 Data File : BF128314.D  
 Acq On : 18 May 2022 16:29  
 Operator : CG\JU  
 Sample : N2824-14  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SAS-1

Quant Time: May 18 16:51:30 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 18 01:31:11 2022  
 Response via : Initial Calibration

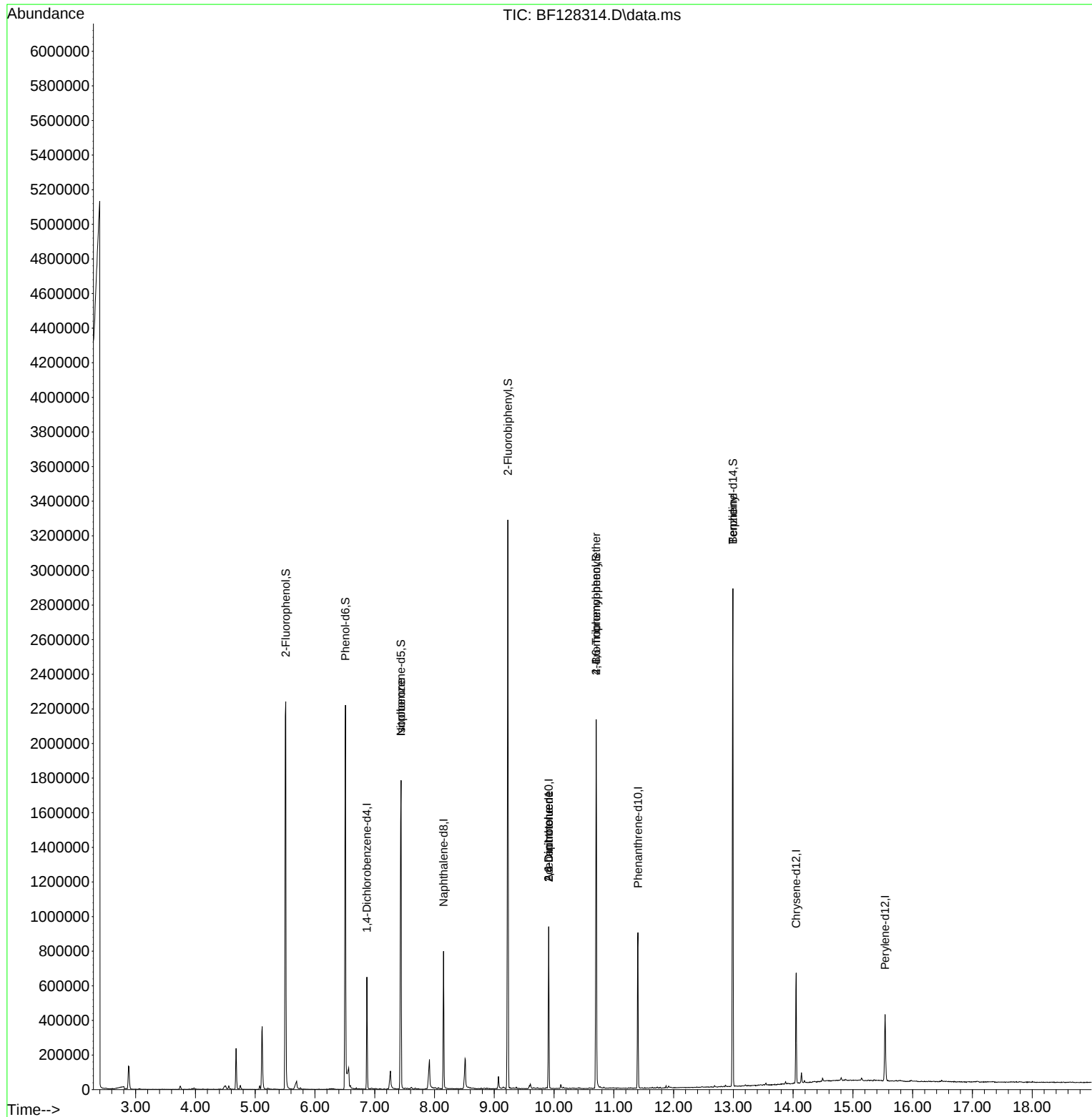
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 80742    | 20.000    | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.151  | 136  | 315787   | 20.000    | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.910  | 164  | 177971   | 20.000    | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.404 | 188  | 328248   | 20.000    | ng    | #-0.01   |
| 76) Chrysene-d12              | 14.051 | 240  | 210869   | 20.000    | ng    | -0.01    |
| 86) Perylene-d12              | 15.539 | 264  | 170189   | 20.000    | ng    | -0.02    |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 599786   | 118.419   | ng    | 0.01     |
| 7) Phenol-d6                  | 6.510  | 99   | 720989   | 107.624   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.440  | 82   | 624815   | 89.030    | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 245916   | 120.481   | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.228  | 172  | 982532   | 86.383    | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.992 | 244  | 960127   | 85.437    | ng    | -0.01    |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.434  | 77   | 55       | Below Cal | #     | 3        |
| 25) Isophorone                | 7.440  | 82   | 624808   | 56.787    | ng    | # 68     |
| 51) 2,6-Dinitrotoluene        | 9.910  | 165  | 22379    | 8.883     | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.910  | 165  | 22379    | 6.643     | ng    | # 26     |
| 67) 4-Bromophenyl-phenylether | 10.704 | 248  | 15213    | 4.308     | ng    | # 1      |
| 77) Benzidine                 | 12.992 | 184  | 14841    | 3.250     | ng    | # 93     |
| -----                         |        |      |          |           |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051822\  
Data File : BF128314.D  
Acq On : 18 May 2022 16:29  
Operator : CG\JU  
Sample : N2824-14  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SAS-1

Quant Time: May 18 16:51:30 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 18 01:31:11 2022  
Response via : Initial Calibration

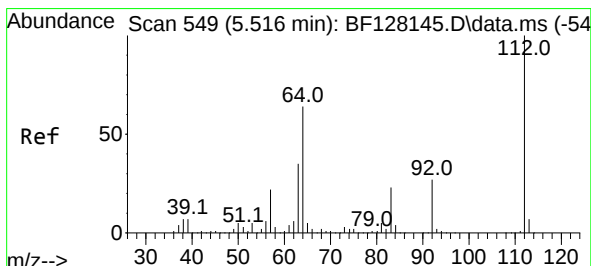
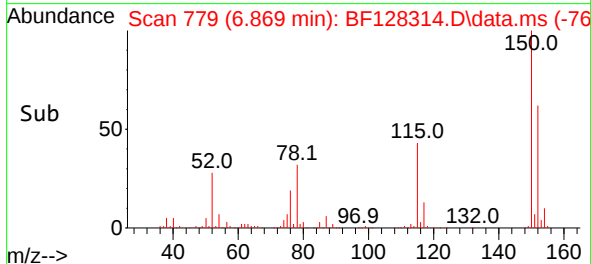
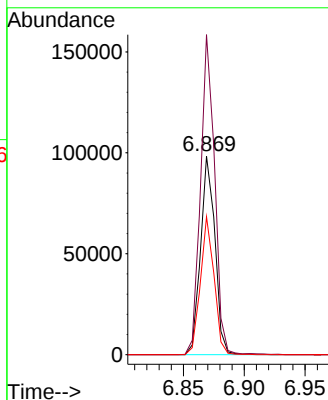
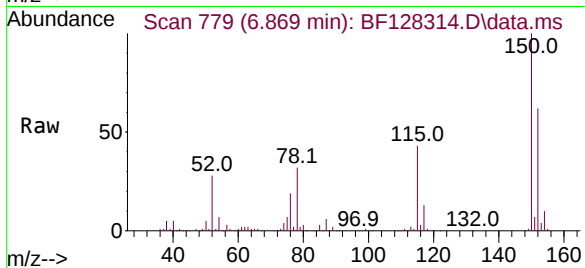




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF128314.D  
Acq: 18 May 2022 16:29

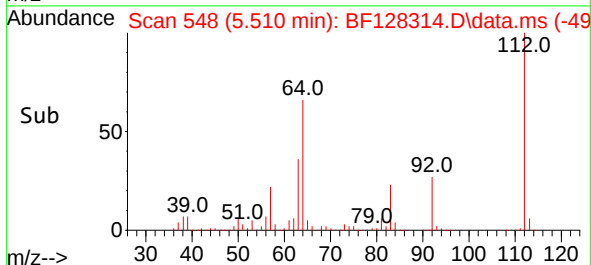
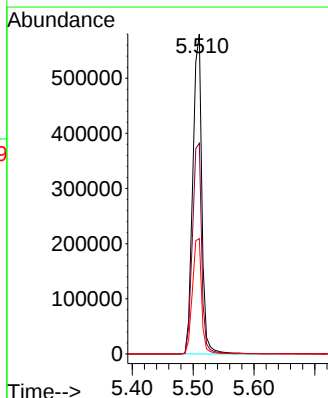
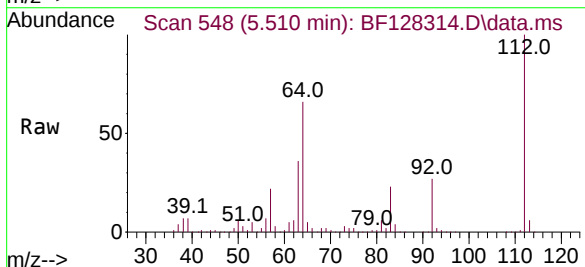
Instrument :  
BNA\_F  
ClientSampleId :  
SAS-1

Tgt Ion:152 Resp: 80742  
Ion Ratio Lower Upper  
152 100  
150 161.2 125.3 187.9  
115 69.5 48.8 73.2



#5  
2-Fluorophenol  
Concen: 118.419 ng  
RT: 5.510 min Scan# 548  
Delta R.T. 0.012 min  
Lab File: BF128314.D  
Acq: 18 May 2022 16:29

Tgt Ion:112 Resp: 599786  
Ion Ratio Lower Upper  
112 100  
64 65.8 49.5 74.3  
63 36.1 26.3 39.5

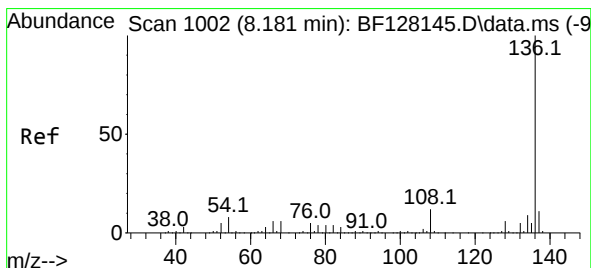
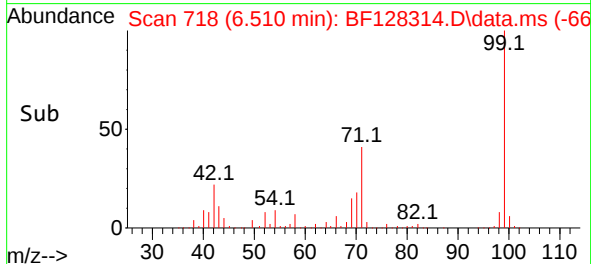
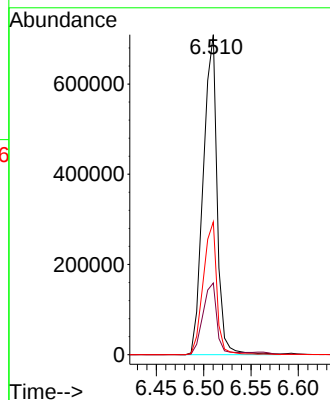
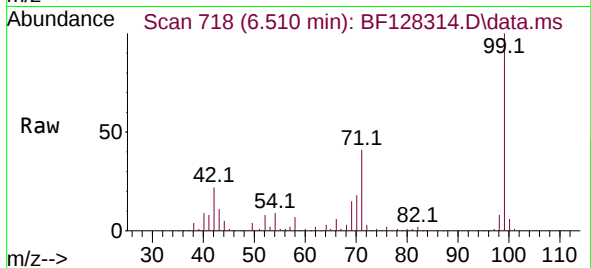




#7  
Phenol-d6  
Concen: 107.624 ng  
RT: 6.510 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF128314.D  
Acq: 18 May 2022 16:29

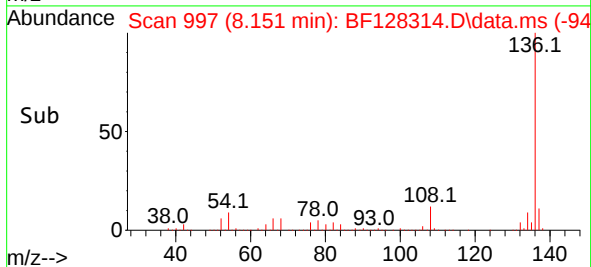
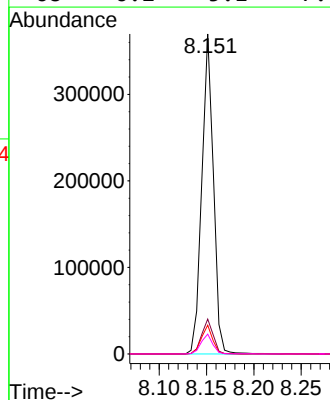
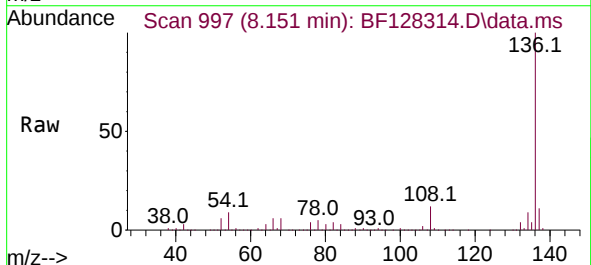
Instrument :  
BNA\_F  
ClientSampleId :  
SAS-1

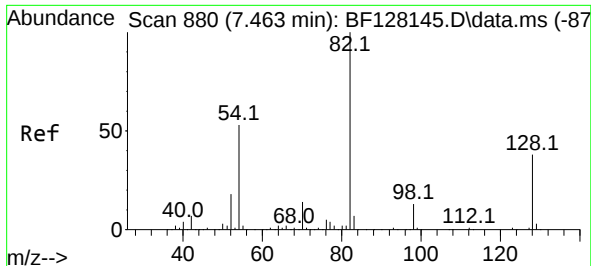
Tgt Ion: 99 Resp: 720989  
Ion Ratio Lower Upper  
99 100  
42 22.4 16.6 24.8  
71 41.5 30.0 45.0



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 997  
Delta R.T. -0.012 min  
Lab File: BF128314.D  
Acq: 18 May 2022 16:29

Tgt Ion: 136 Resp: 315787  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 13.0  
54 9.0 6.8 10.2  
68 6.2 5.1 7.7





#23

Nitrobenzene-d5

Concen: 89.030 ng

RT: 7.440 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128314.D

Acq: 18 May 2022 16:29

Instrument :

BNA\_F

ClientSampleId :

SAS-1

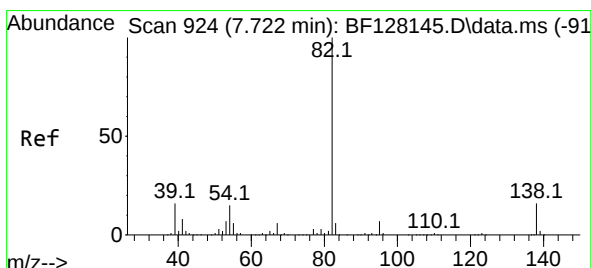
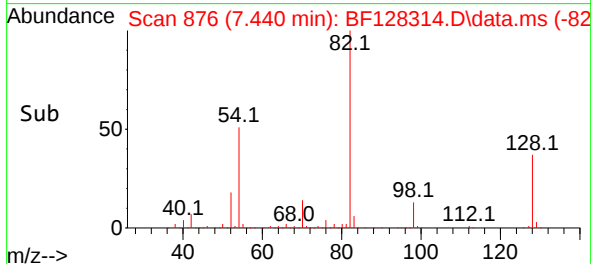
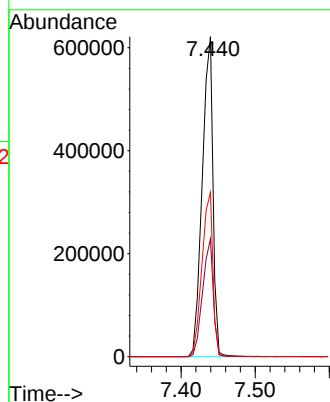
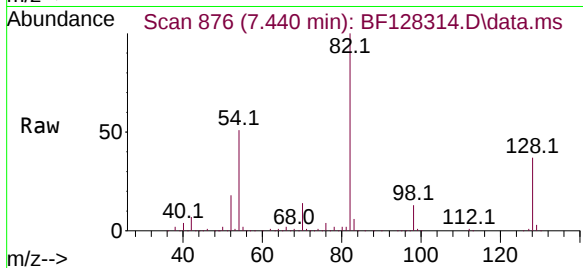
Tgt Ion: 82 Resp: 624815

Ion Ratio Lower Upper

82 100

128 36.8 30.0 45.0

54 51.3 41.3 61.9



#25

Isophorone

Concen: 56.787 ng

RT: 7.440 min Scan# 876

Delta R.T. -0.265 min

Lab File: BF128314.D

Acq: 18 May 2022 16:29

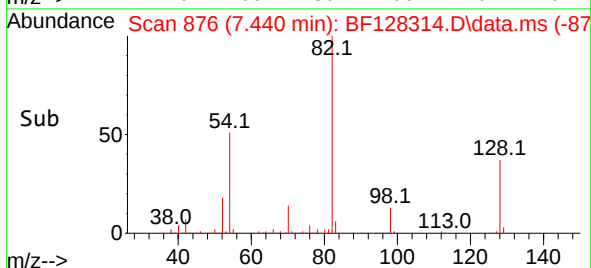
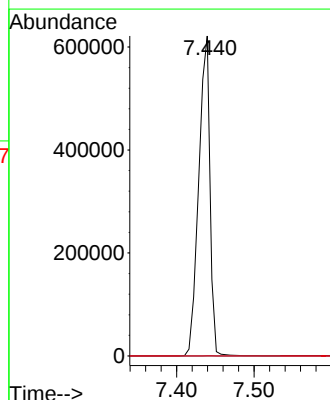
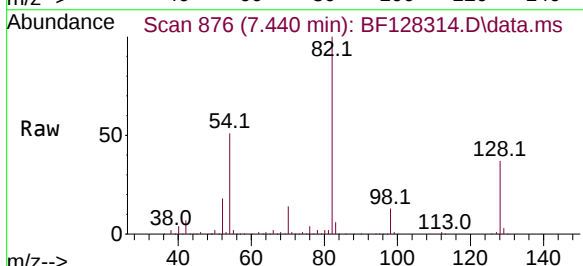
Tgt Ion: 82 Resp: 624808

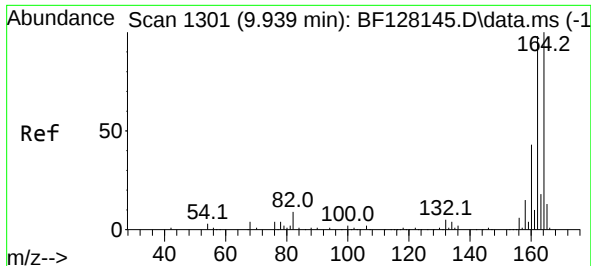
Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 12.5 18.7#

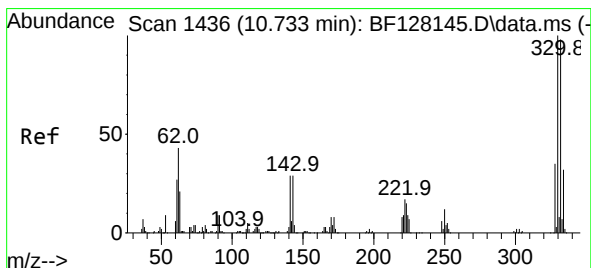
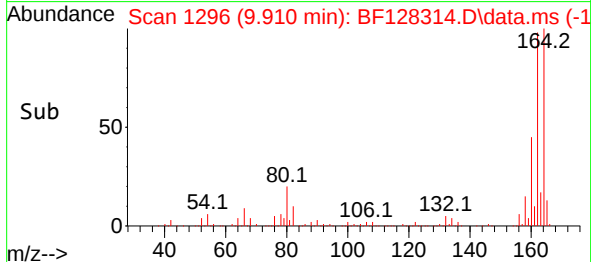
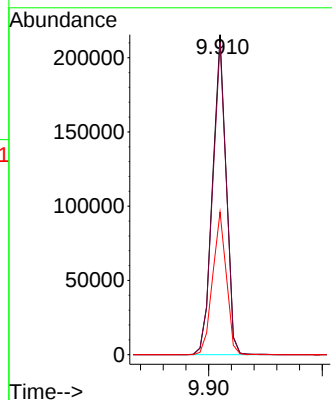
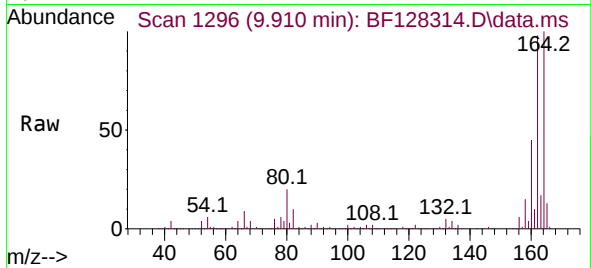




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.910 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF128314.D  
Acq: 18 May 2022 16:29

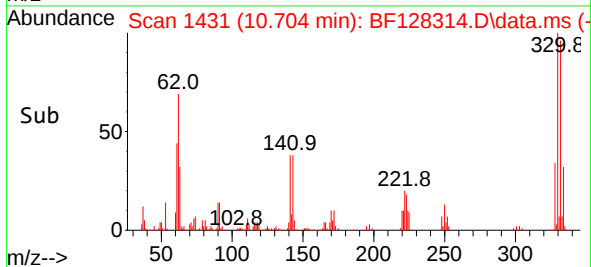
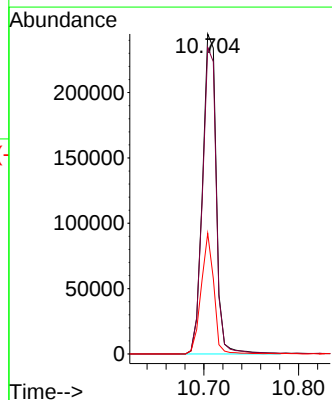
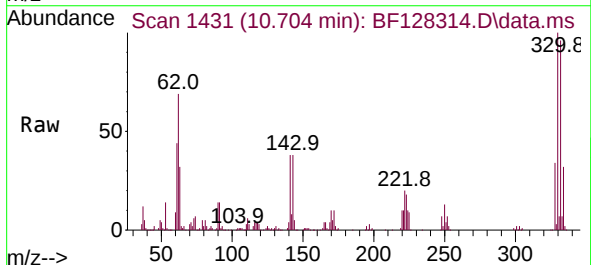
Instrument :  
BNA\_F  
ClientSampleId :  
SAS-1

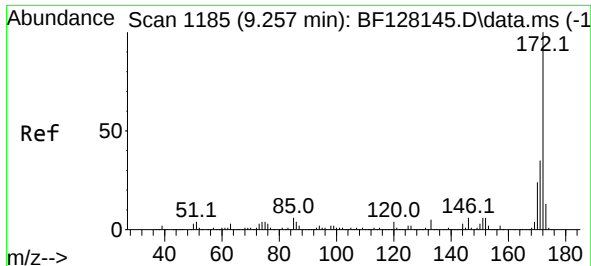
Tgt Ion:164 Resp: 177971  
Ion Ratio Lower Upper  
164 100  
162 97.7 76.0 114.0  
160 44.6 34.8 52.2



#42  
2,4,6-Tribromophenol  
Concen: 120.481 ng  
RT: 10.704 min Scan# 1431  
Delta R.T. -0.012 min  
Lab File: BF128314.D  
Acq: 18 May 2022 16:29

Tgt Ion:330 Resp: 245916  
Ion Ratio Lower Upper  
330 100  
332 96.8 79.0 118.4  
141 34.9 28.9 43.3





#45

2-Fluorobiphenyl

Concen: 86.383 ng

RT: 9.228 min Scan# 1185

Delta R.T. -0.012 min

Lab File: BF128314.D

Acq: 18 May 2022 16:29

Instrument :

BNA\_F

ClientSampleId :

SAS-1

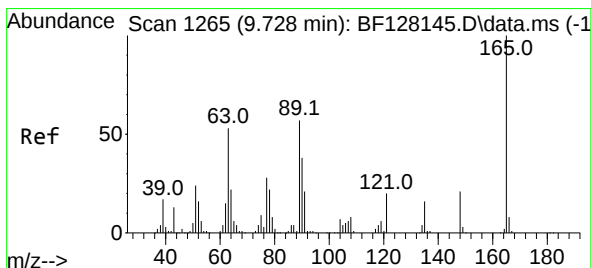
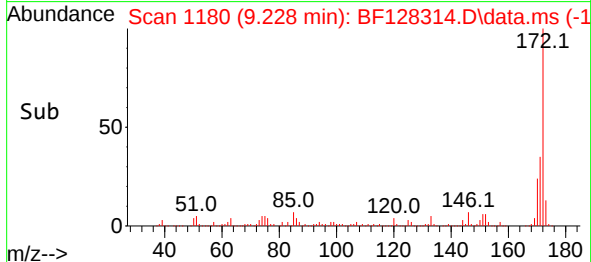
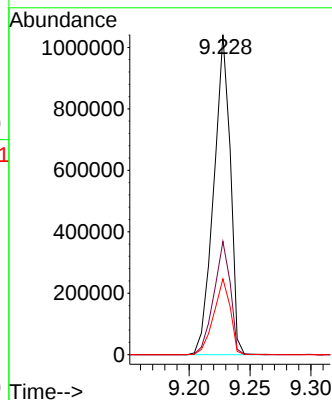
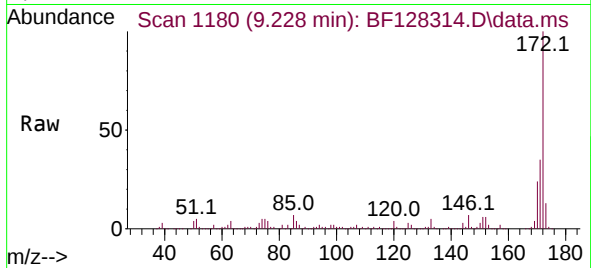
Tgt Ion:172 Resp: 982532

Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

170 23.7 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 8.883 ng

RT: 9.910 min Scan# 1296

Delta R.T. 0.200 min

Lab File: BF128314.D

Acq: 18 May 2022 16:29

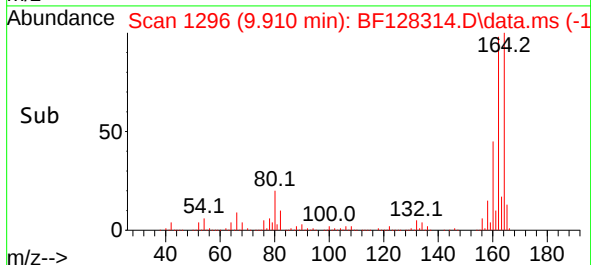
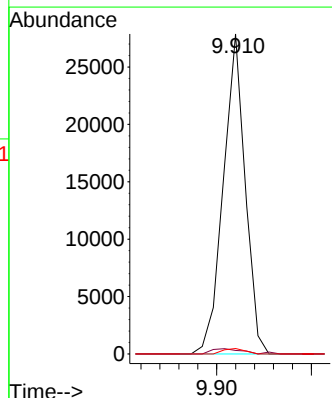
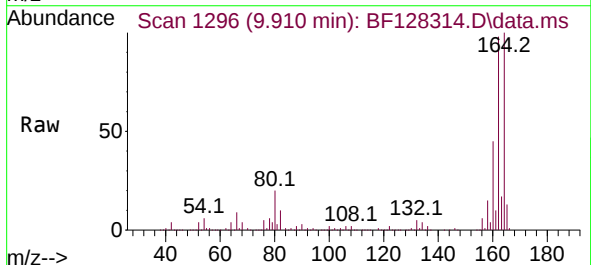
Tgt Ion:165 Resp: 22379

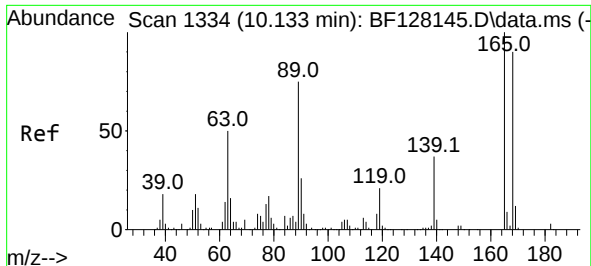
Ion Ratio Lower Upper

165 100

63 1.1 49.5 74.3#

89 1.7 49.0 73.4#

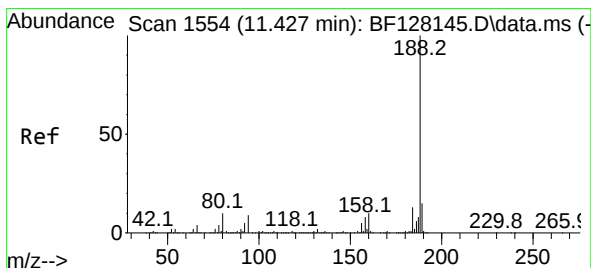
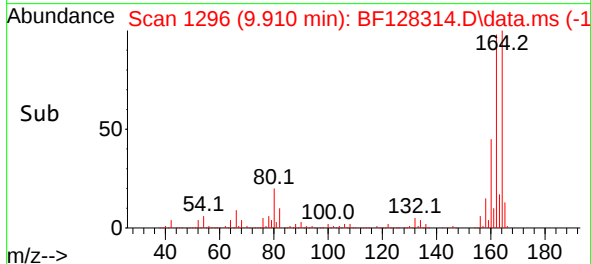
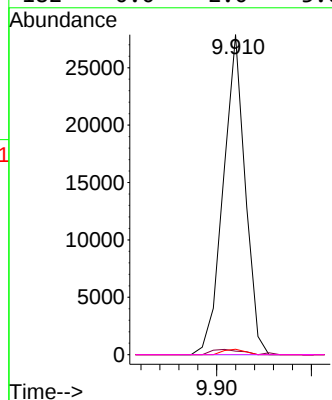
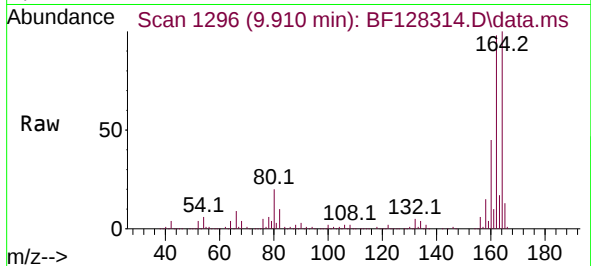




#57  
2,4-Dinitrotoluene  
Concen: 6.643 ng  
RT: 9.910 min Scan# 11  
Delta R.T. -0.212 min  
Lab File: BF128314.D  
Acq: 18 May 2022 16:29

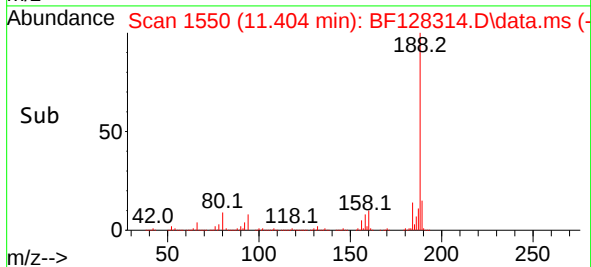
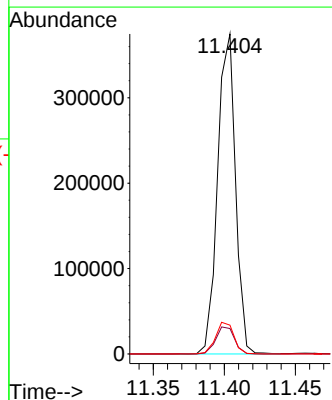
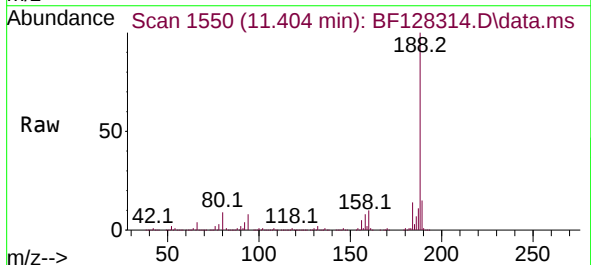
Instrument :  
BNA\_F  
ClientSampleId :  
SAS-1

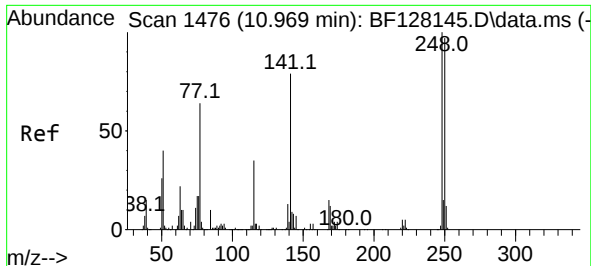
Tgt Ion:165 Resp: 22379  
Ion Ratio Lower Upper  
165 100  
63 1.1 32.6 49.0#  
89 1.7 55.2 82.8#  
182 0.0 2.0 3.0#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 1550  
Delta R.T. -0.012 min  
Lab File: BF128314.D  
Acq: 18 May 2022 16:29

Tgt Ion:188 Resp: 328248  
Ion Ratio Lower Upper  
188 100  
94 8.0 8.0 12.0#  
80 9.0 8.9 13.3

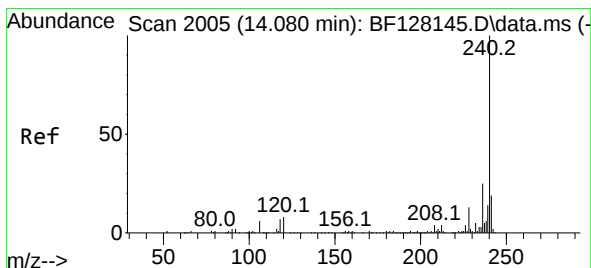
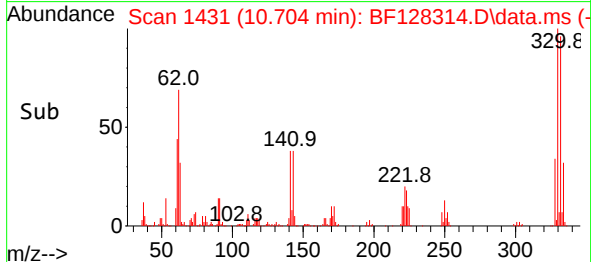
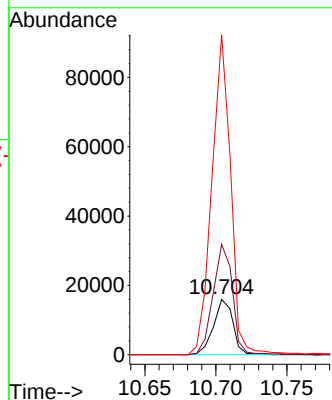
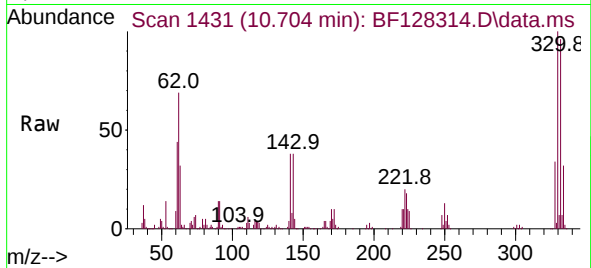




#67  
4-Bromophenyl-phenylether  
Concen: 4.308 ng  
RT: 10.704 min Scan# 14  
Delta R.T. -0.253 min  
Lab File: BF128314.D  
Acq: 18 May 2022 16:29

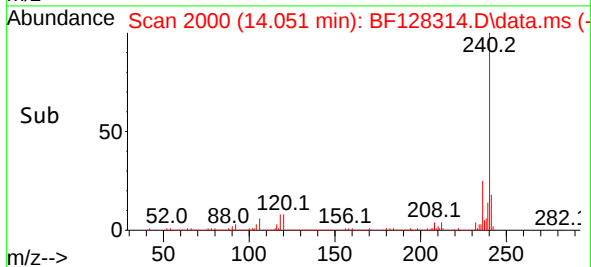
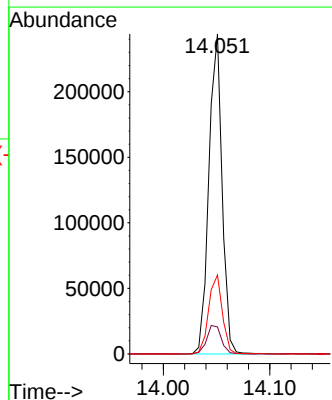
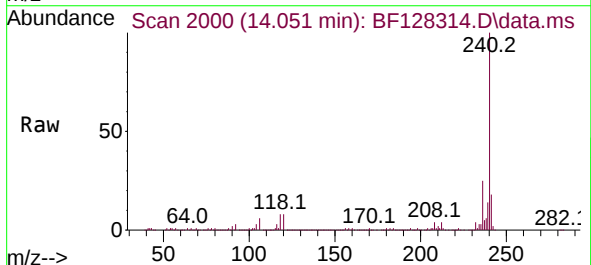
Instrument :  
BNA\_F  
ClientSampleId :  
SAS-1

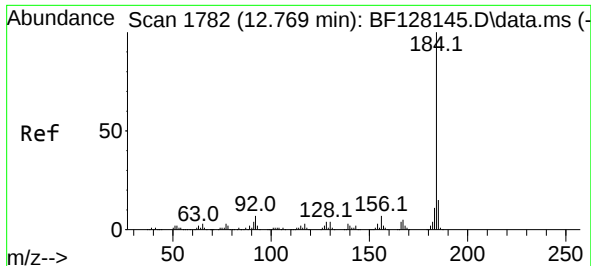
Tgt Ion:248 Resp: 15213  
Ion Ratio Lower Upper  
248 100  
250 199.2 77.7 116.5#  
141 577.1 65.6 98.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2000  
Delta R.T. -0.012 min  
Lab File: BF128314.D  
Acq: 18 May 2022 16:29

Tgt Ion:240 Resp: 210869  
Ion Ratio Lower Upper  
240 100  
120 8.5 7.0 10.6  
236 24.7 20.3 30.5

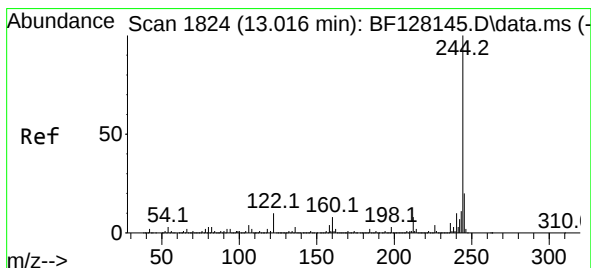
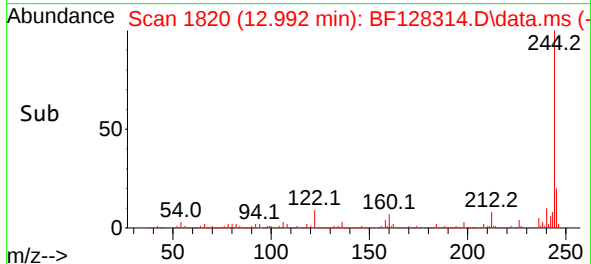
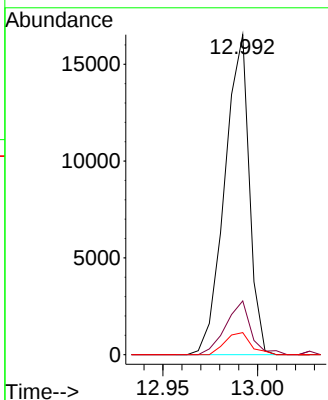
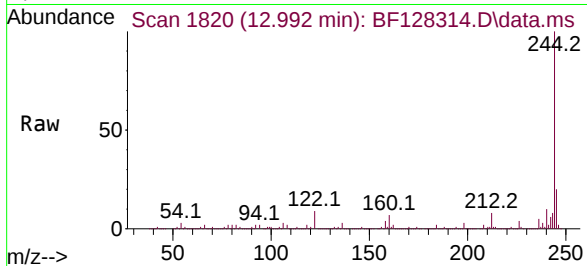




#77  
Benzidine  
Concen: 3.250 ng  
RT: 12.992 min Scan# 1820  
Delta R.T. 0.241 min  
Lab File: BF128314.D  
Acq: 18 May 2022 16:29

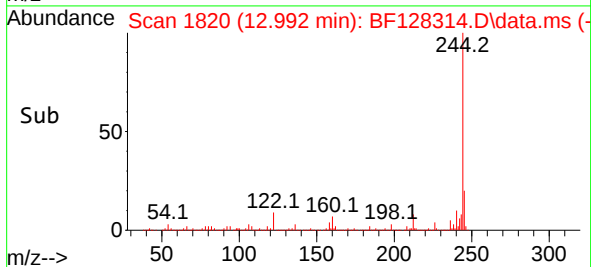
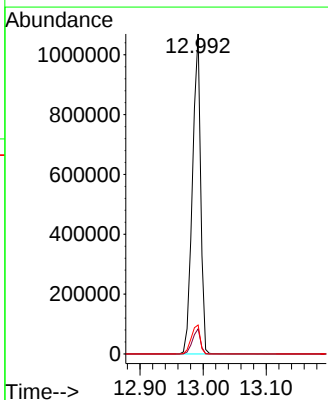
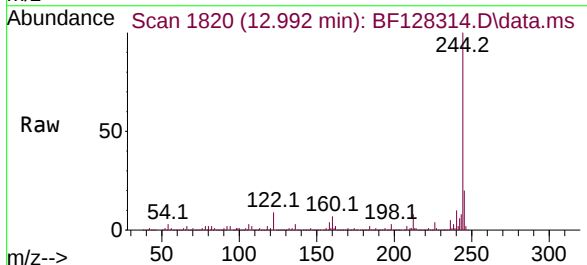
Instrument :  
BNA\_F  
ClientSampleId :  
SAS-1

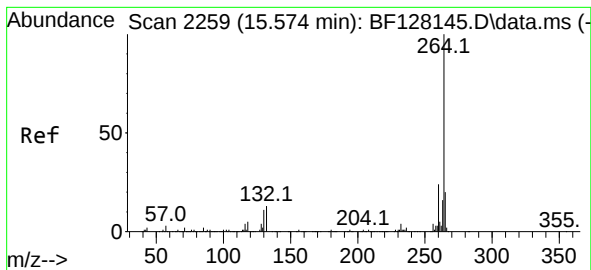
Tgt Ion:184 Resp: 14841  
Ion Ratio Lower Upper  
184 100  
185 16.8 12.1 18.1  
183 6.9 9.0 13.4#



#79  
Terphenyl-d14  
Concen: 85.437 ng  
RT: 12.992 min Scan# 1820  
Delta R.T. -0.012 min  
Lab File: BF128314.D  
Acq: 18 May 2022 16:29

Tgt Ion:244 Resp: 960127  
Ion Ratio Lower Upper  
244 100  
212 7.8 6.2 9.4  
122 9.1 8.6 12.8





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.539 min Scan# 21  
 Delta R.T. -0.018 min  
 Lab File: BF128314.D  
 Acq: 18 May 2022 16:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SAS-1

Tgt Ion:264 Resp: 170189  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 20.1 30.1  
 265 21.1 17.5 26.3

