

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052022\  
 Data File : BF128382.D  
 Acq On : 21 May 2022 00:04  
 Operator : CG\JU  
 Sample : N2943-18  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-23

Quant Time: May 23 02:40:31 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052022.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat May 21 05:28:09 2022  
 Response via : Initial Calibration

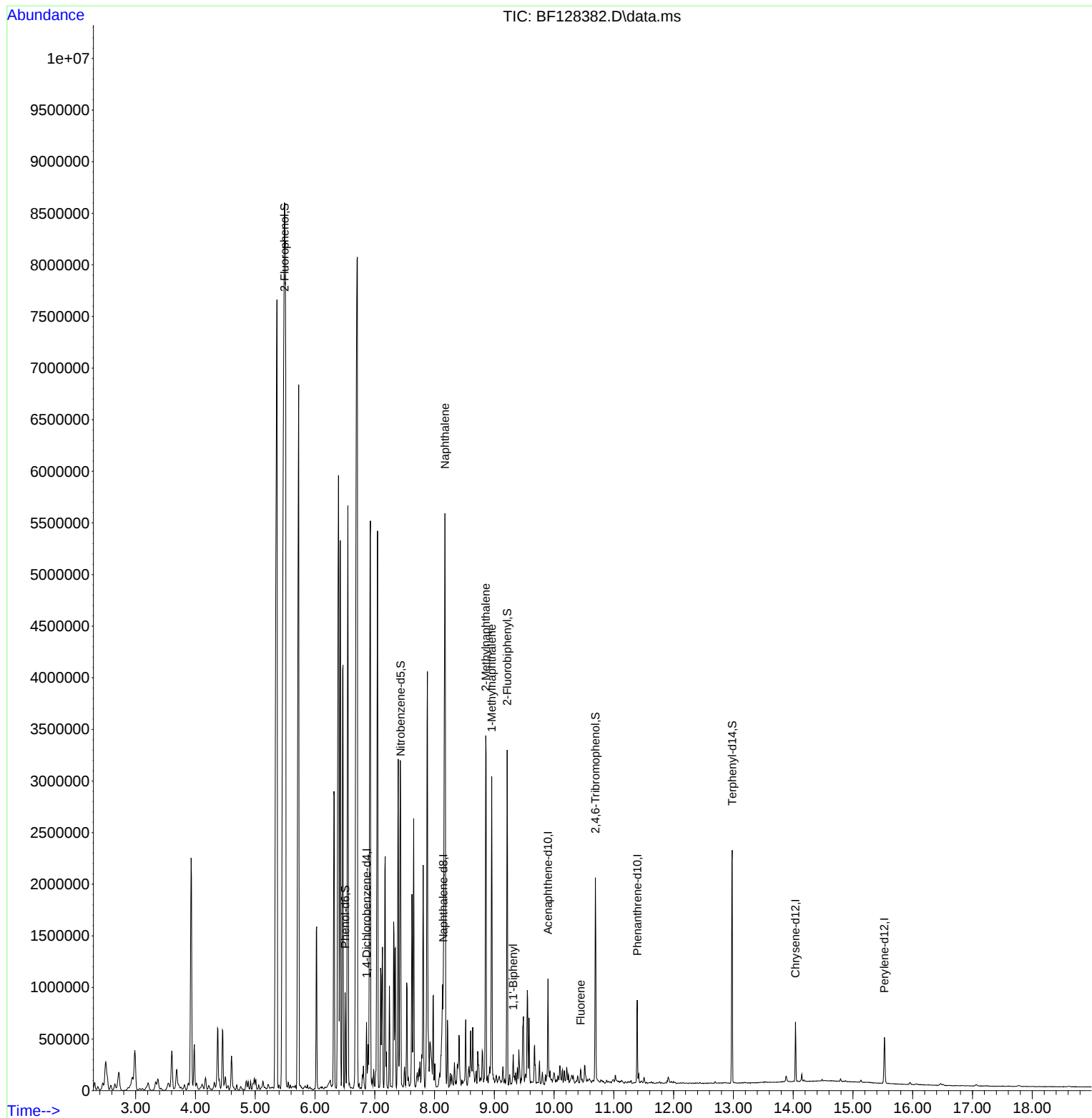
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.863  | 152  | 86962    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.145  | 136  | 300147   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.898  | 164  | 177216   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.392 | 188  | 285109   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.039 | 240  | 190601   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12            | 15.527 | 264  | 199716   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.493  | 112  | 167228   | 30.602  | ng    | 0.01     |
| 7) Phenol-d6                | 6.504  | 99   | 293434   | 40.779  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.434  | 82   | 559357   | 83.499  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.692 | 330  | 227717   | 124.597 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.216  | 172  | 972536   | 89.745  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.980 | 244  | 818611   | 82.909  | ng    | 0.00     |
| Target Compounds            |        |      |          |         |       |          |
|                             |        |      |          |         |       | Qvalue   |
| 31) Naphthalene             | 8.175  | 128  | 3114834  | 212.955 | ng    | 98       |
| 37) 2-Methylnaphthalene     | 8.857  | 142  | 1001351  | 104.409 | ng    | 99       |
| 38) 1-Methylnaphthalene     | 8.957  | 142  | 710451   | 77.012  | ng    | 99       |
| 46) 1,1'-Biphenyl           | 9.316  | 154  | 48490    | 3.787   | ng    | 98       |
| 58) Fluorene                | 10.445 | 166  | 30191    | 2.847   | ng    | 97       |
| -----                       |        |      |          |         |       |          |

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

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Misc :  
ALS Vial : 17 Sample Multiplier: 1

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Quant Time: May 23 02:40:31 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052022.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat May 21 05:28:09 2022  
Response via : Initial Calibration

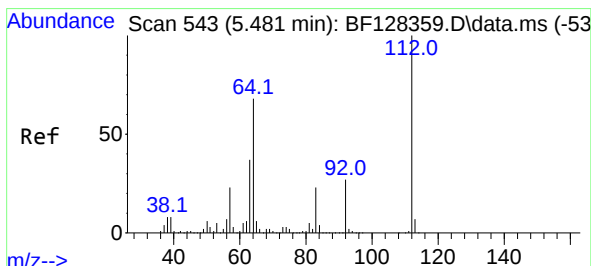
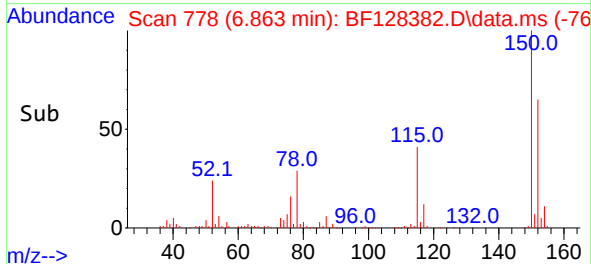
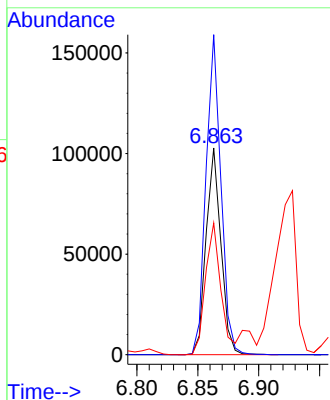
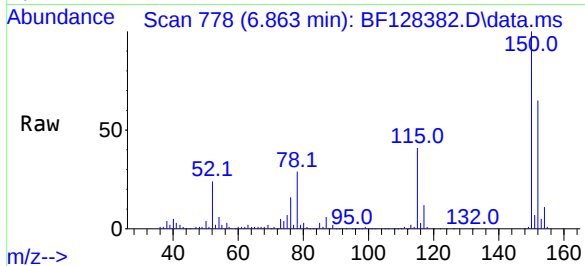




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.863 min Scan# 71  
 Delta R.T. 0.006 min  
 Lab File: BF128382.D  
 Acq: 21 May 2022 00:04

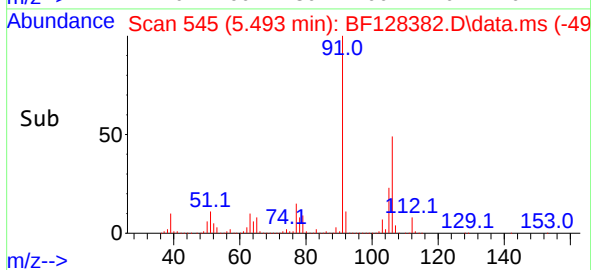
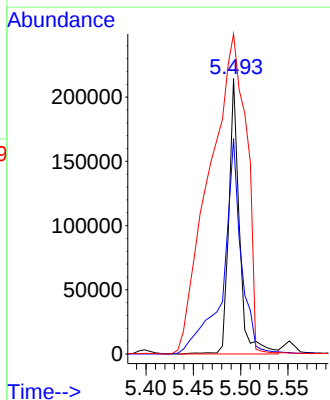
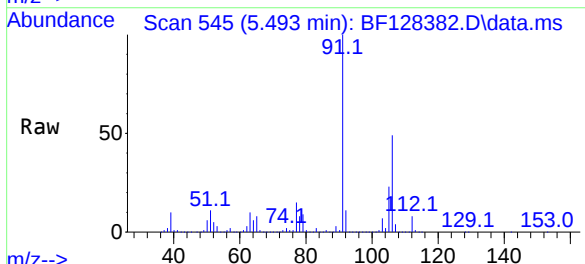
Instrument :  
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 ClientSampleId :  
 MW-23

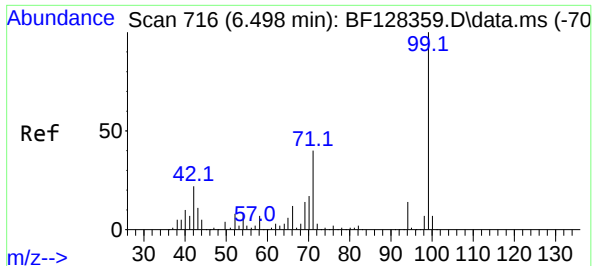
Tgt Ion:152 Resp: 86962  
 Ion Ratio Lower Upper  
 152 100  
 150 154.8 125.3 187.9  
 115 63.7 48.8 73.2



#5  
 2-Fluorophenol  
 Concen: 30.602 ng  
 RT: 5.493 min Scan# 545  
 Delta R.T. 0.012 min  
 Lab File: BF128382.D  
 Acq: 21 May 2022 00:04

Tgt Ion:112 Resp: 167228  
 Ion Ratio Lower Upper  
 112 100  
 64 78.2 49.5 74.3#  
 63 116.2 26.3 39.5#

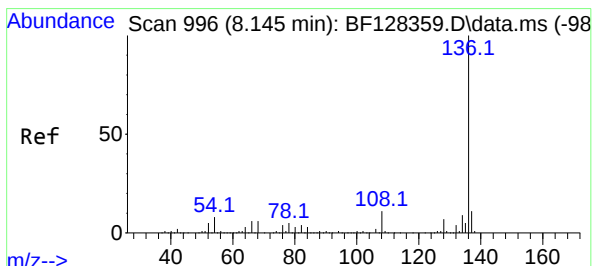
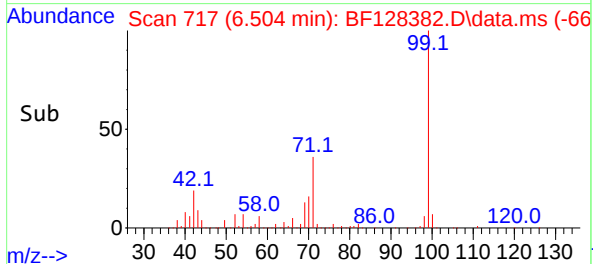
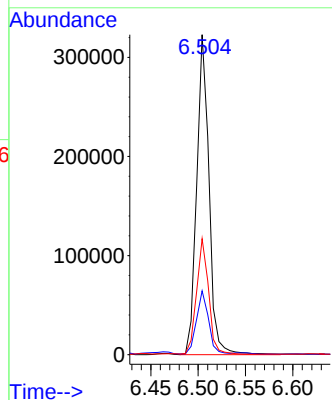
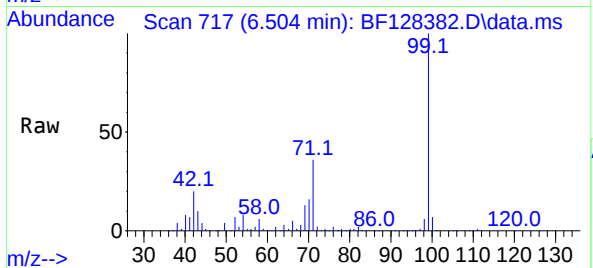




#7  
Phenol-d6  
Concen: 40.779 ng  
RT: 6.504 min Scan# 716  
Delta R.T. 0.006 min  
Lab File: BF128382.D  
Acq: 21 May 2022 00:04

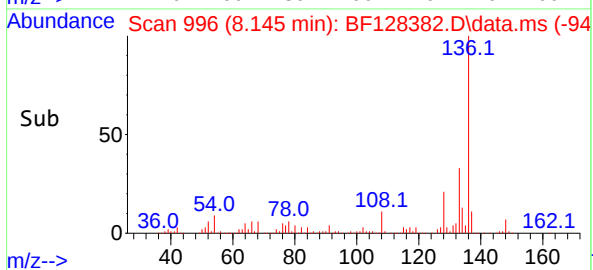
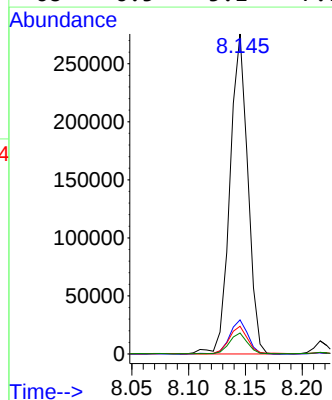
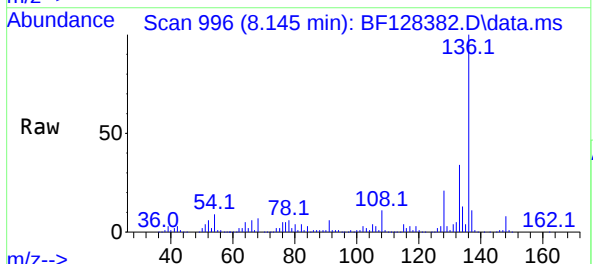
Instrument :  
BNA\_F  
ClientSampleId :  
MW-23

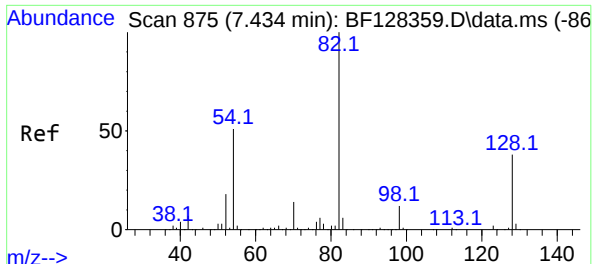
Tgt Ion: 99 Resp: 293434  
Ion Ratio Lower Upper  
99 100  
42 20.0 16.6 24.8  
71 36.3 30.0 45.0



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.145 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: BF128382.D  
Acq: 21 May 2022 00:04

Tgt Ion:136 Resp: 300147  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.6 13.0  
54 8.7 6.8 10.2  
68 6.5 5.1 7.7

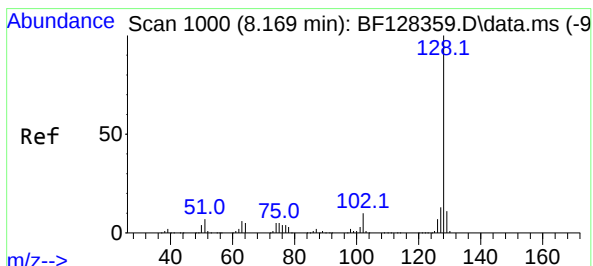
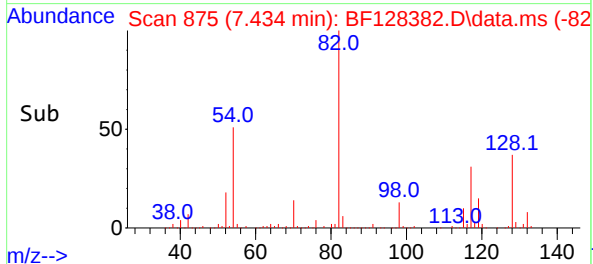
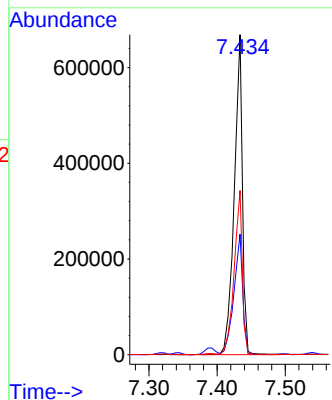
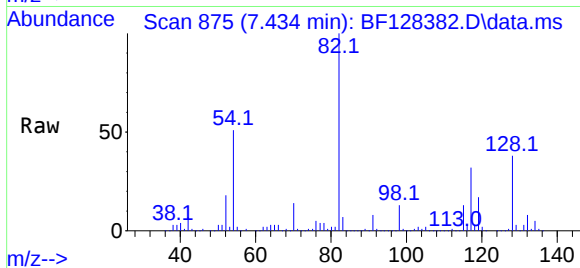




#23  
Nitrobenzene-d5  
Concen: 83.499 ng  
RT: 7.434 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF128382.D  
Acq: 21 May 2022 00:04

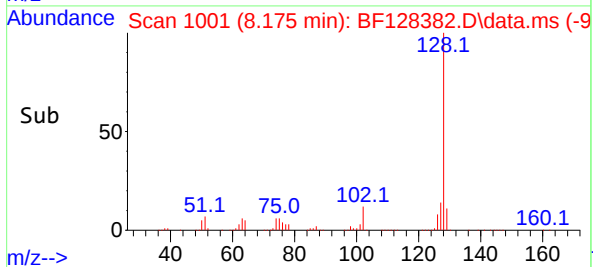
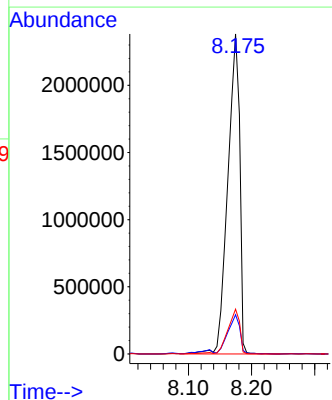
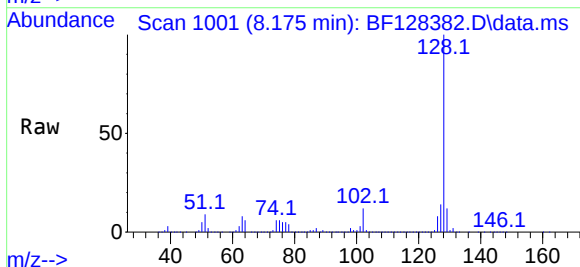
Instrument :  
BNA\_F  
ClientSampleId :  
MW-23

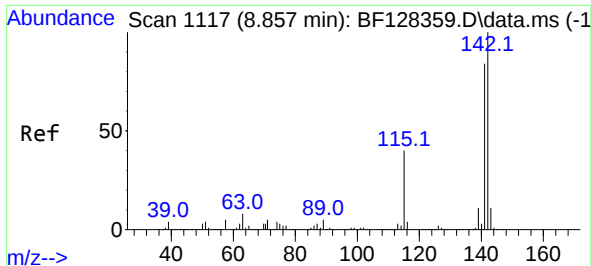
Tgt Ion: 82 Resp: 559357  
Ion Ratio Lower Upper  
82 100  
128 37.6 30.0 45.0  
54 51.3 41.3 61.9



#31  
Naphthalene  
Concen: 212.955 ng  
RT: 8.175 min Scan# 1001  
Delta R.T. 0.006 min  
Lab File: BF128382.D  
Acq: 21 May 2022 00:04

Tgt Ion:128 Resp: 3114834  
Ion Ratio Lower Upper  
128 100  
129 12.2 9.0 13.4  
127 14.0 10.6 16.0





#37

2-Methylnaphthalene

Concen: 104.409 ng

RT: 8.857 min Scan# 1117

Delta R.T. 0.000 min

Lab File: BF128382.D

Acq: 21 May 2022 00:04

Instrument :

BNA\_F

ClientSampleId :

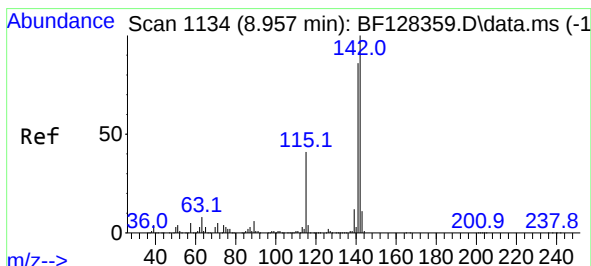
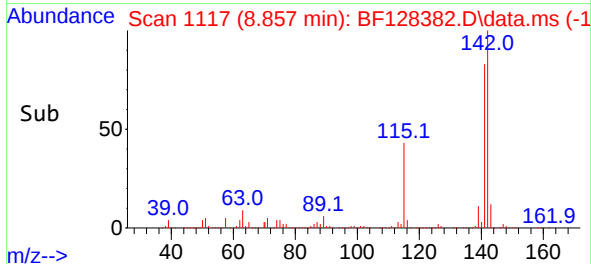
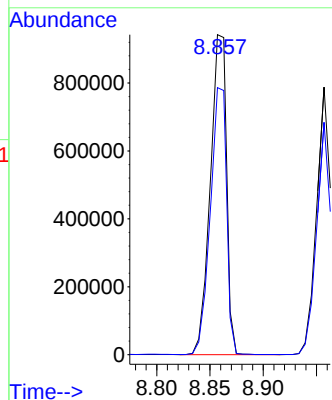
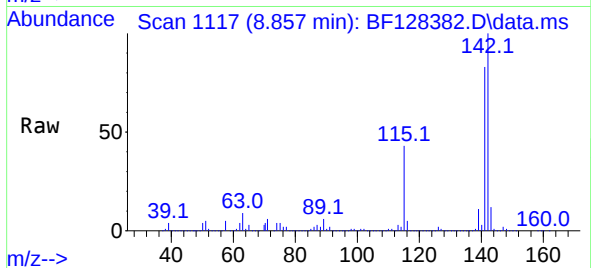
MW-23

Tgt Ion:142 Resp: 1001351

Ion Ratio Lower Upper

142 100

141 83.4 67.4 101.2



#38

1-Methylnaphthalene

Concen: 77.012 ng

RT: 8.957 min Scan# 1134

Delta R.T. 0.000 min

Lab File: BF128382.D

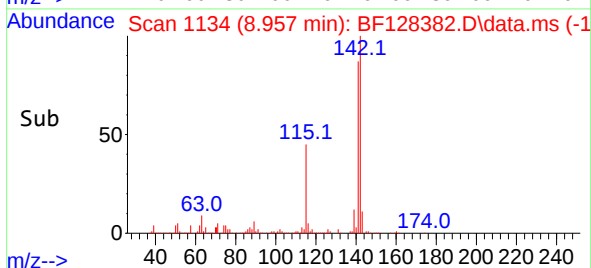
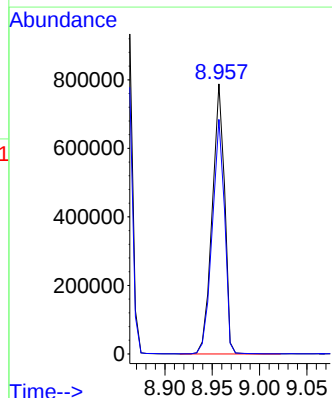
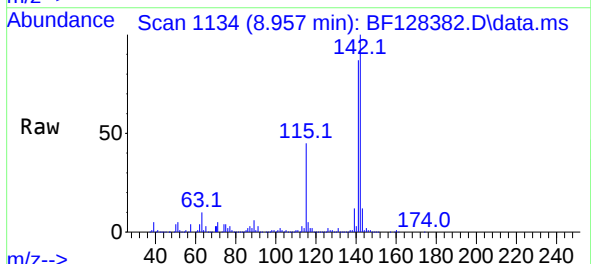
Acq: 21 May 2022 00:04

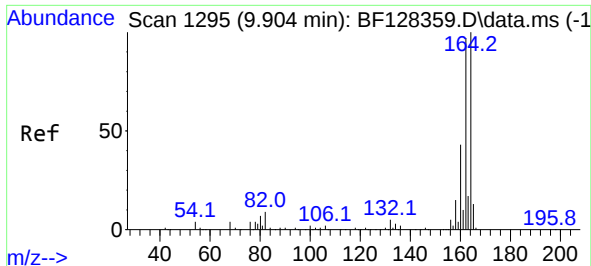
Tgt Ion:142 Resp: 710451

Ion Ratio Lower Upper

142 100

141 86.9 70.1 105.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128382.D

Acq: 21 May 2022 00:04

Instrument :

BNA\_F

ClientSampleId :

MW-23

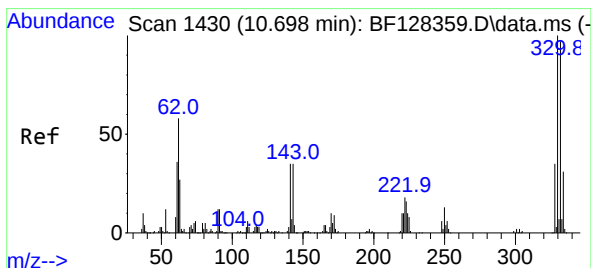
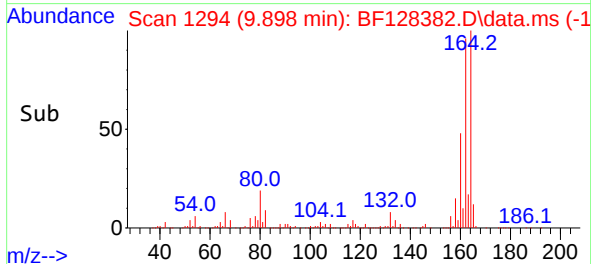
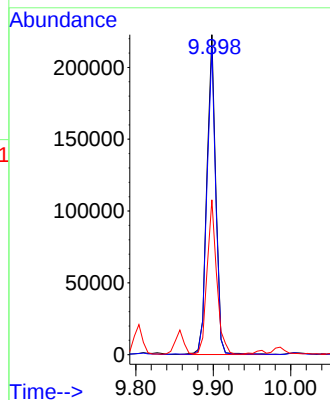
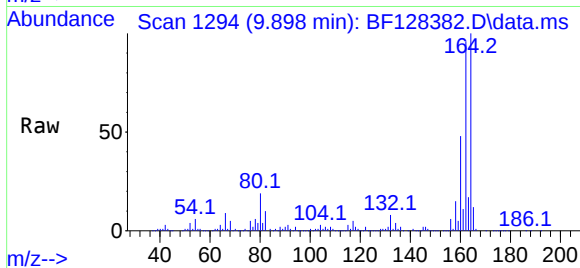
Tgt Ion:164 Resp: 177216

Ion Ratio Lower Upper

164 100

162 95.9 76.0 114.0

160 48.4 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 124.597 ng

RT: 10.692 min Scan# 1429

Delta R.T. -0.006 min

Lab File: BF128382.D

Acq: 21 May 2022 00:04

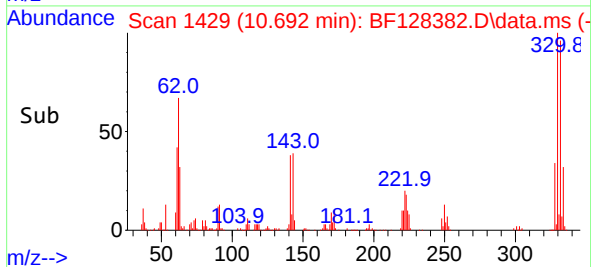
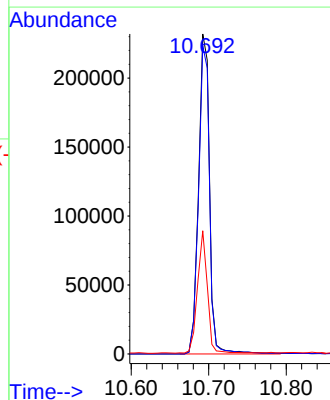
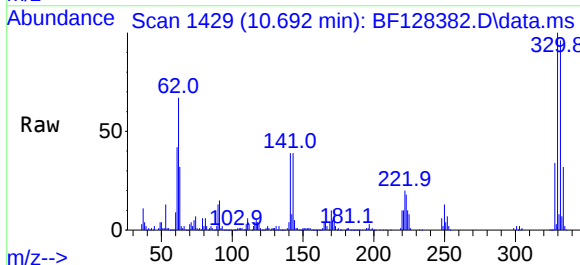
Tgt Ion:330 Resp: 227717

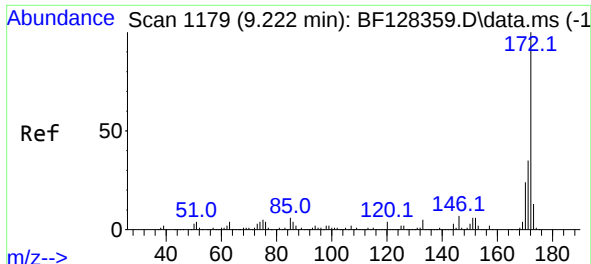
Ion Ratio Lower Upper

330 100

332 97.3 79.0 118.4

141 34.3 28.9 43.3





#45

2-Fluorobiphenyl

Concen: 89.745 ng

RT: 9.216 min Scan# 1178

Delta R.T. -0.006 min

Lab File: BF128382.D

Acq: 21 May 2022 00:04

Instrument :

BNA\_F

ClientSampleId :

MW-23

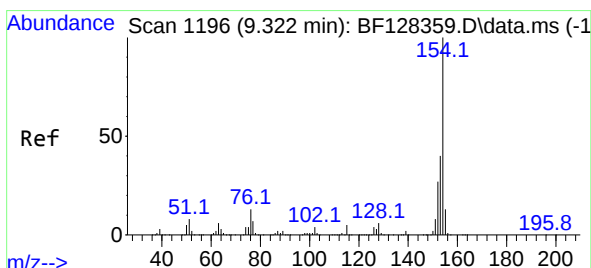
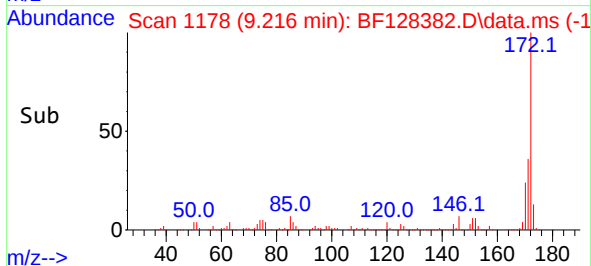
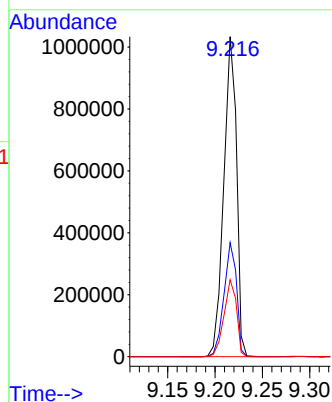
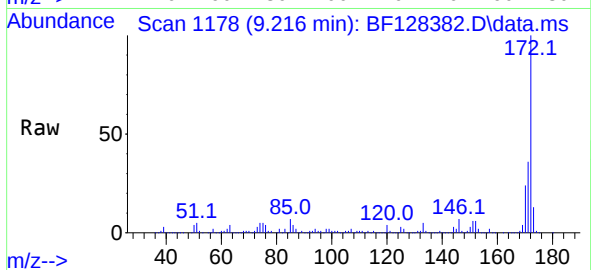
Tgt Ion:172 Resp: 972536

Ion Ratio Lower Upper

172 100

171 35.7 28.6 42.8

170 24.1 19.1 28.7



#46

1,1'-Biphenyl

Concen: 3.787 ng

RT: 9.316 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF128382.D

Acq: 21 May 2022 00:04

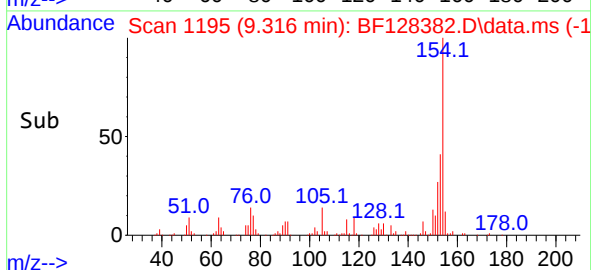
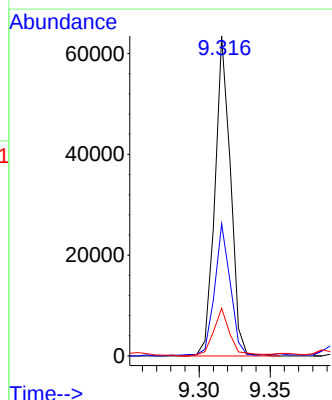
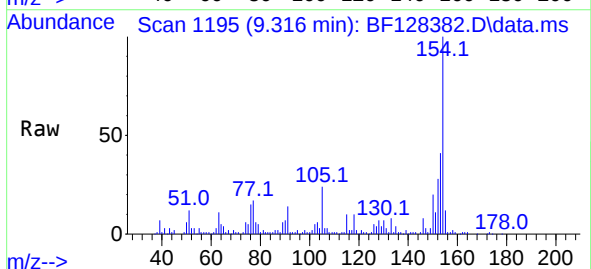
Tgt Ion:154 Resp: 48490

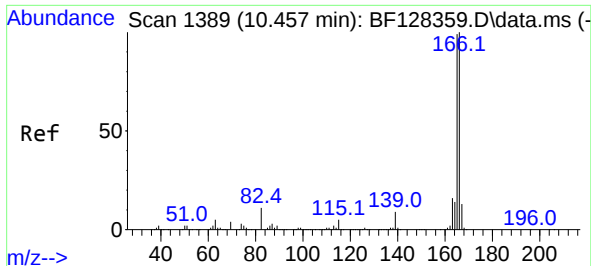
Ion Ratio Lower Upper

154 100

153 41.3 20.4 60.4

76 14.9 0.0 33.2

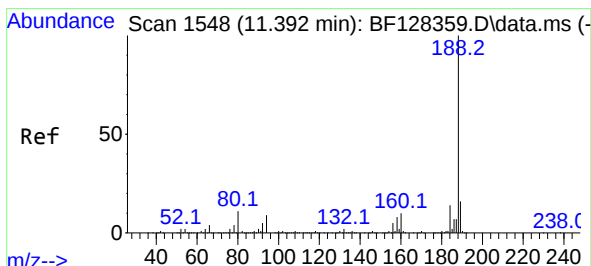
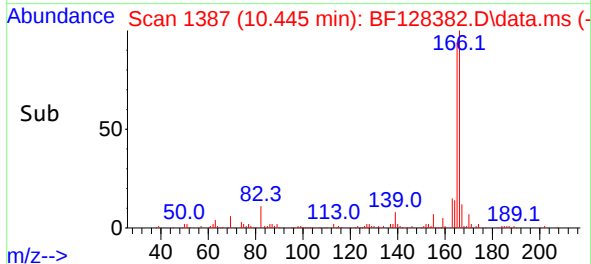
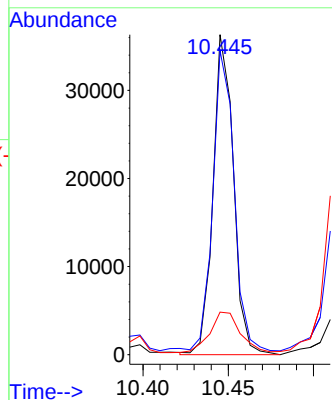
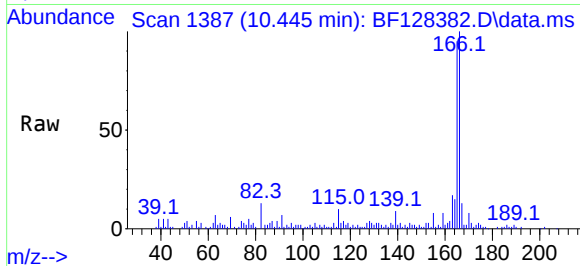




#58  
Fluorene  
Concen: 2.847 ng  
RT: 10.445 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF128382.D  
Acq: 21 May 2022 00:04

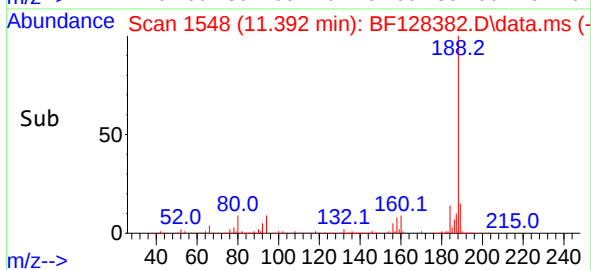
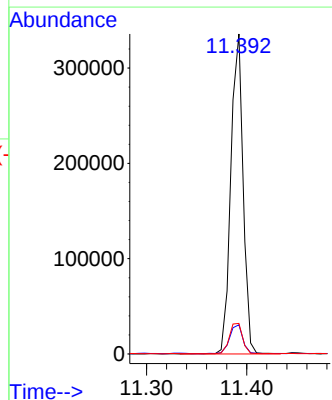
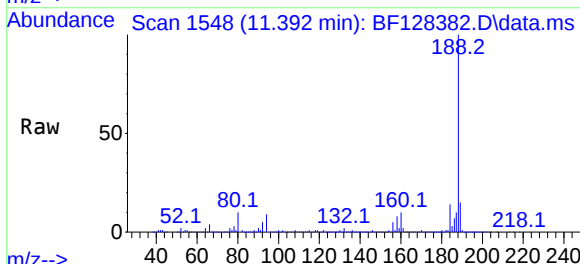
Instrument :  
BNA\_F  
ClientSampleId :  
MW-23

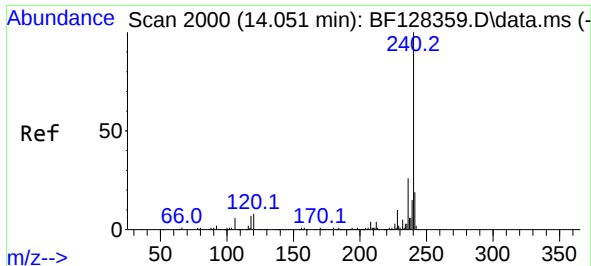
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Ion Ratio Lower Upper  
166 100  
165 95.0 78.6 117.8  
167 13.3 10.5 15.7



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.392 min Scan# 1548  
Delta R.T. 0.000 min  
Lab File: BF128382.D  
Acq: 21 May 2022 00:04

Tgt Ion:188 Resp: 285109  
Ion Ratio Lower Upper  
188 100  
94 9.1 8.0 12.0  
80 9.6 8.9 13.3

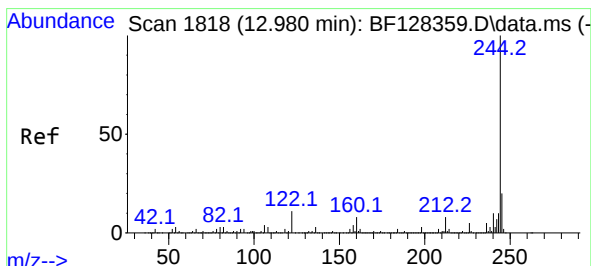
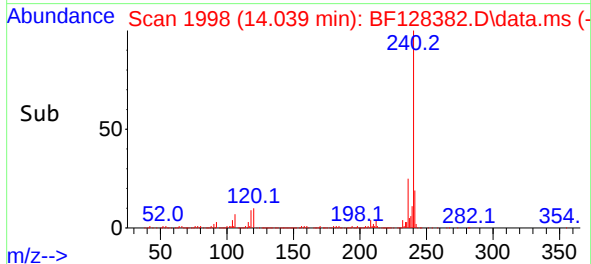
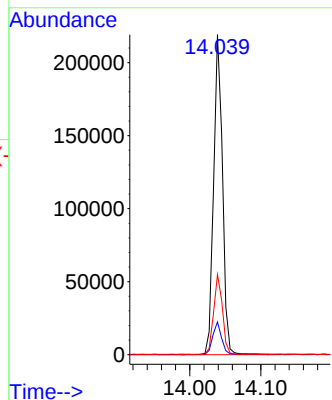
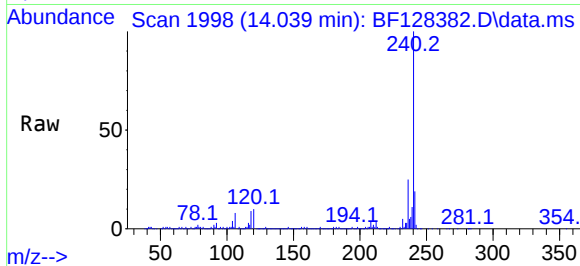




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 1998  
Delta R.T. -0.012 min  
Lab File: BF128382.D  
Acq: 21 May 2022 00:04

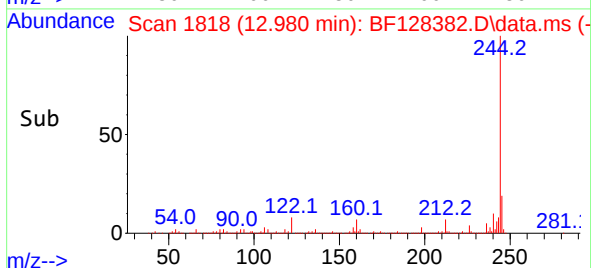
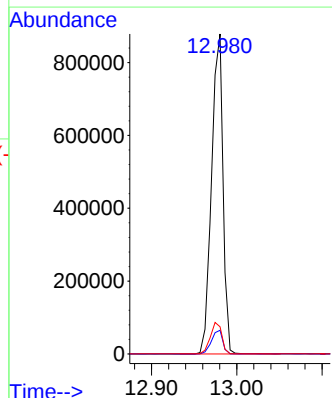
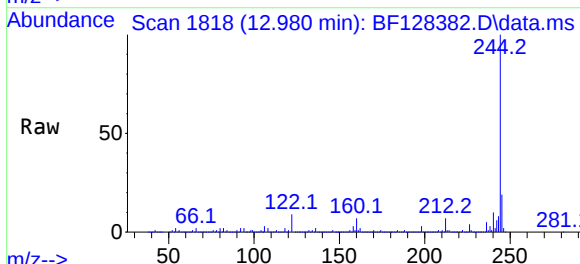
Instrument :  
BNA\_F  
ClientSampleId :  
MW-23

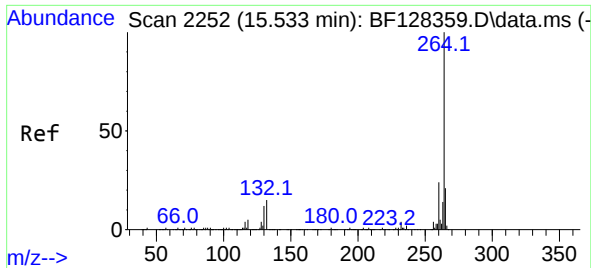
Tgt Ion:240 Resp: 190601  
Ion Ratio Lower Upper  
240 100  
120 10.3 7.0 10.6  
236 25.1 20.3 30.5



#79  
Terphenyl-d14  
Concen: 82.909 ng  
RT: 12.980 min Scan# 1818  
Delta R.T. 0.000 min  
Lab File: BF128382.D  
Acq: 21 May 2022 00:04

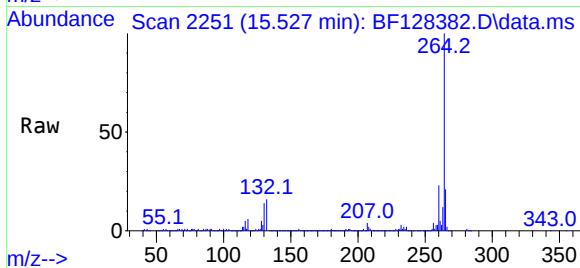
Tgt Ion:244 Resp: 818611  
Ion Ratio Lower Upper  
244 100  
212 7.4 6.2 9.4  
122 8.5 8.6 12.8#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.527 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF128382.D  
Acq: 21 May 2022 00:04

Instrument :  
BNA\_F  
ClientSampleId :  
MW-23



Tgt Ion:264 Resp: 199716  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.3  | 20.1  | 30.1  |
| 265 | 21.3  | 17.5  | 26.3  |

