

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092424\  
 Data File : BF139518.D  
 Acq On : 24 Sep 2024 13:57  
 Operator : RC/JU  
 Sample : PB163646BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB163646BL

Quant Time: Sep 24 14:24:15 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 14 02:58:23 2024  
 Response via : Initial Calibration

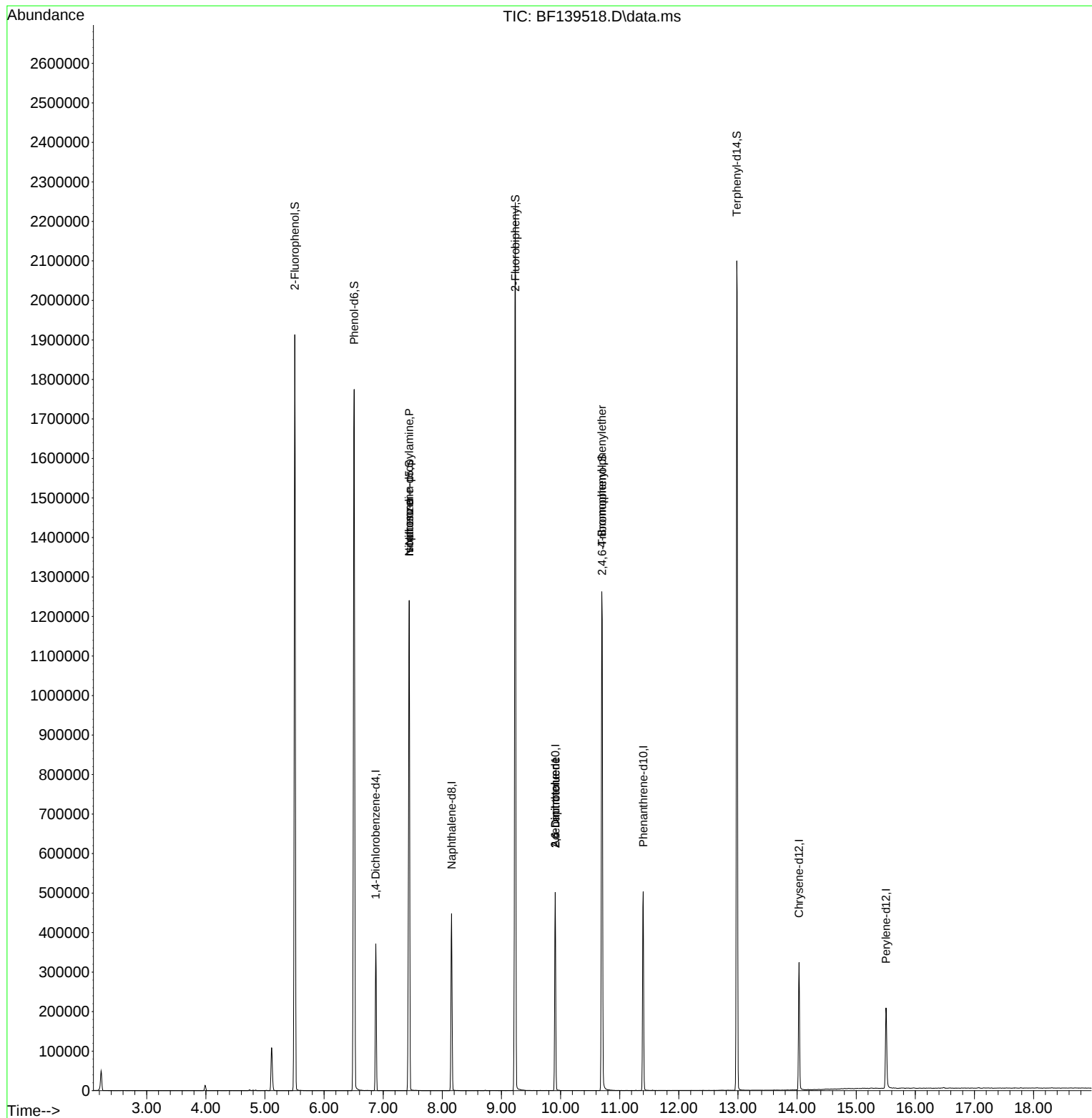
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 72037    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 266268   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.910  | 164  | 144180   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 270129   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.033 | 240  | 156081   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.504 | 264  | 130795   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 655845   | 148.522 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.510  | 99   | 841636   | 145.209 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.439  | 82   | 556760   | 98.300  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 199757   | 130.137 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 987205   | 96.031  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 1034207  | 108.760 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.439  | 70   | 76893    | 22.387  | ng    | # 74     |
| 25) Isophorone                | 7.439  | 82   | 554014   | 61.849  | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.910  | 165  | 17997    | 8.585   | ng    | # 15     |
| 57) 2,4-Dinitrotoluene        | 9.910  | 165  | 17997    | 6.359   | ng    | # 16     |
| 67) 4-Bromophenyl-phenylether | 10.698 | 248  | 13939    | 5.207   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

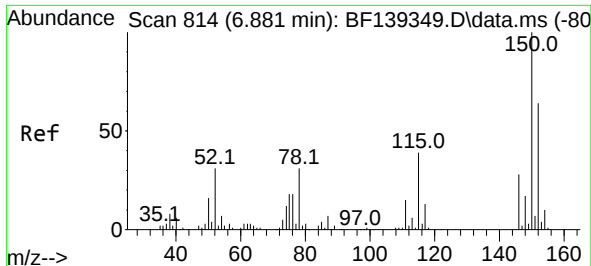
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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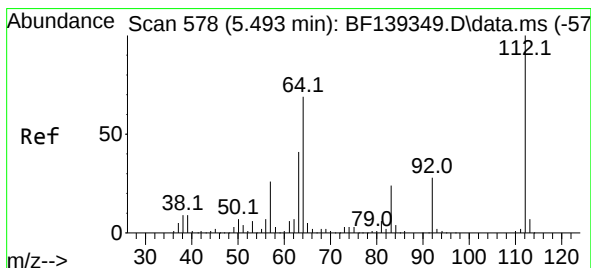
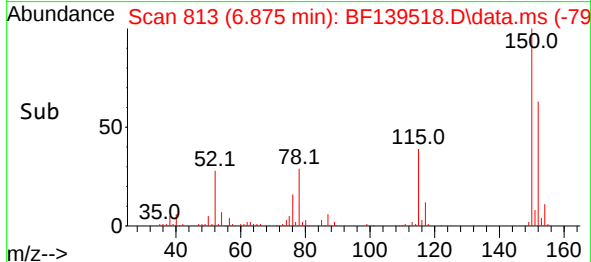
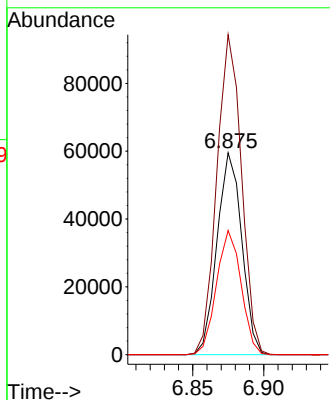
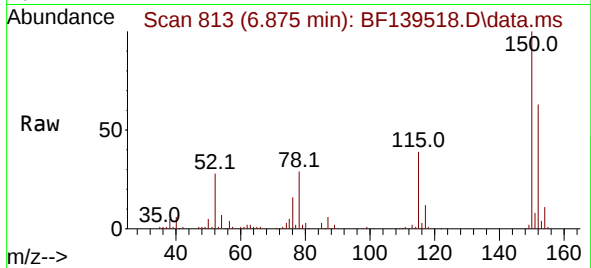




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 814  
Delta R.T. -0.006 min  
Lab File: BF139518.D  
Acq: 24 Sep 2024 13:57

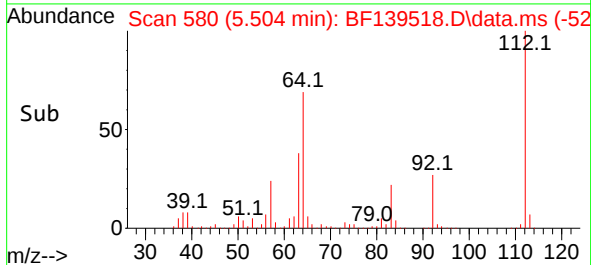
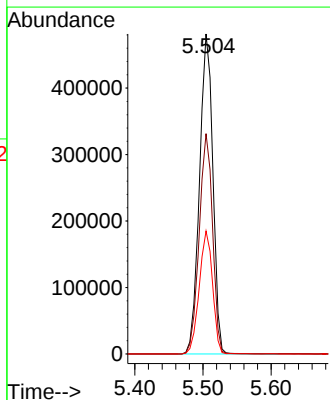
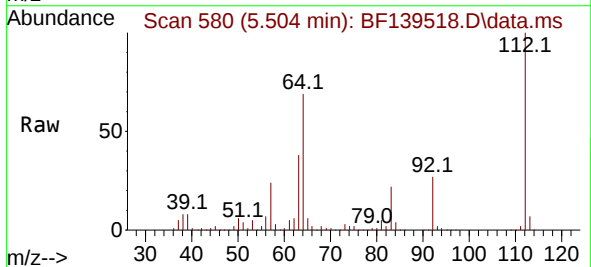
Instrument :  
BNA\_F  
ClientSampleId :  
PB163646BL

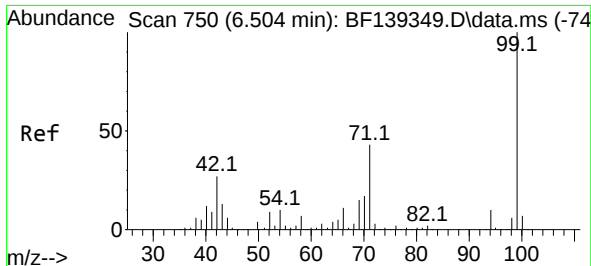
Tgt Ion:152 Resp: 72037  
Ion Ratio Lower Upper  
152 100  
150 158.5 124.1 186.1  
115 61.5 48.1 72.1



#5  
2-Fluorophenol  
Concen: 148.522 ng  
RT: 5.504 min Scan# 580  
Delta R.T. 0.011 min  
Lab File: BF139518.D  
Acq: 24 Sep 2024 13:57

Tgt Ion:112 Resp: 655845  
Ion Ratio Lower Upper  
112 100  
64 68.9 54.8 82.2  
63 38.4 33.0 49.4





#7

Phenol-d6

Concen: 145.209 ng

RT: 6.510 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF139518.D

Acq: 24 Sep 2024 13:57

Instrument :

BNA\_F

ClientSampleId :

PB163646BL

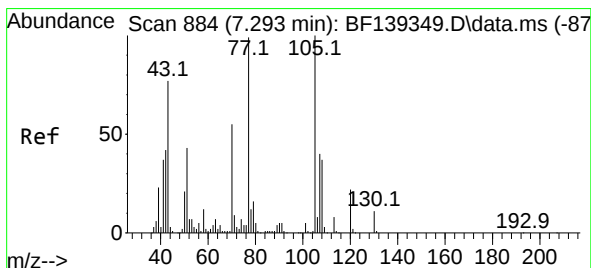
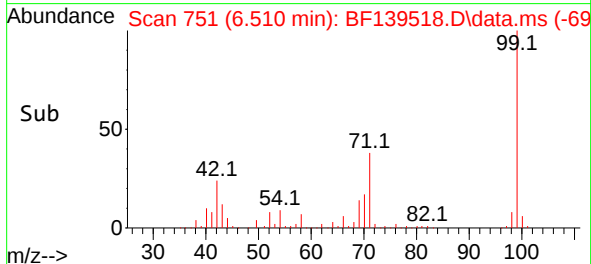
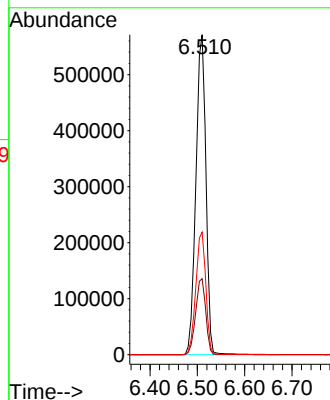
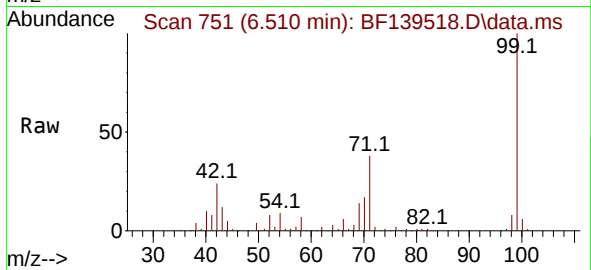
Tgt Ion: 99 Resp: 841636

Ion Ratio Lower Upper

99 100

42 23.7 21.9 32.9

71 38.3 34.6 52.0



#19

n-Nitroso-di-n-propylamine

Concen: 22.387 ng

RT: 7.439 min Scan# 909

Delta R.T. 0.147 min

Lab File: BF139518.D

Acq: 24 Sep 2024 13:57

Tgt Ion: 70 Resp: 76893

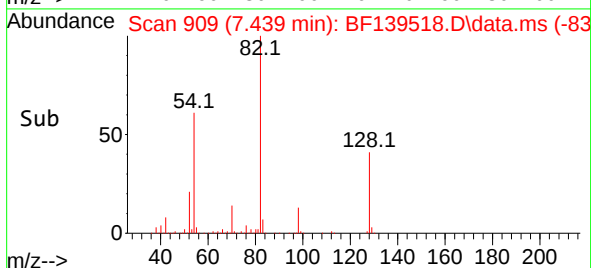
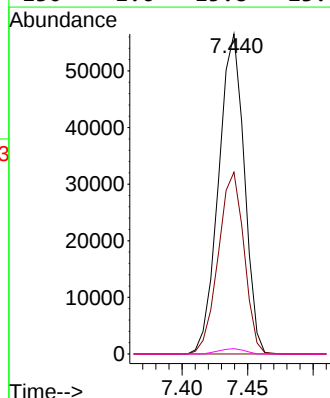
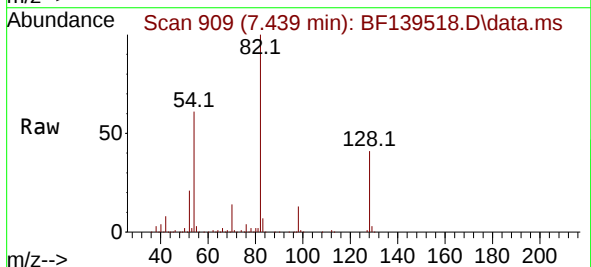
Ion Ratio Lower Upper

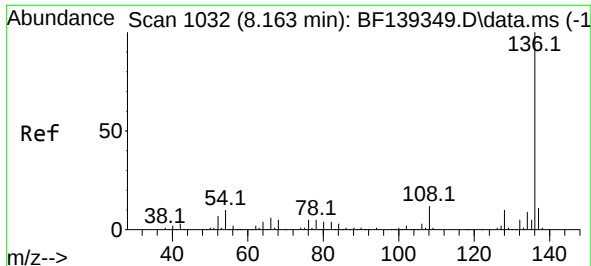
70 100

42 56.8 61.2 91.8#

101 0.0 7.5 11.3#

130 1.6 15.8 23.8#

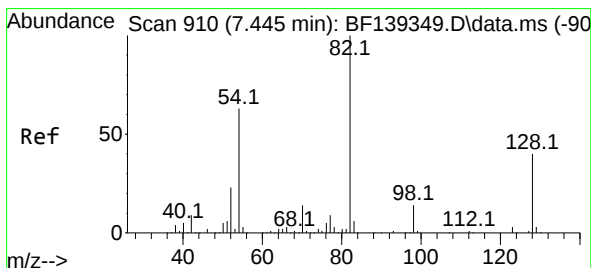
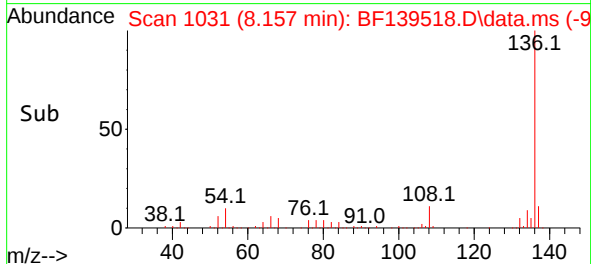
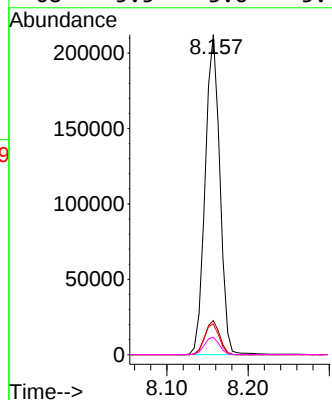
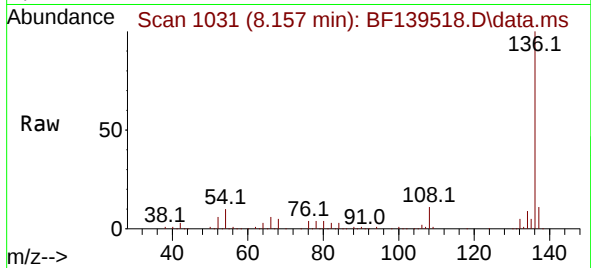




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF139518.D  
Acq: 24 Sep 2024 13:57

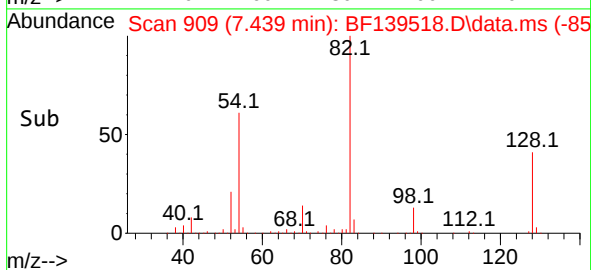
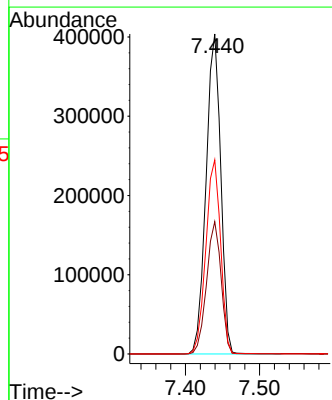
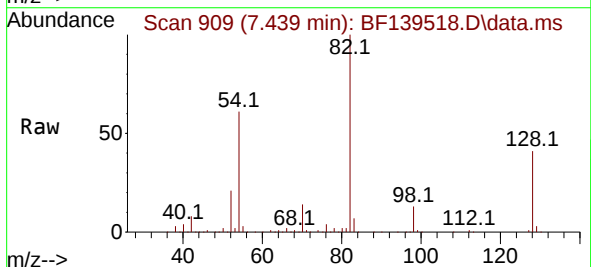
Instrument :  
BNA\_F  
ClientSampleId :  
PB163646BL

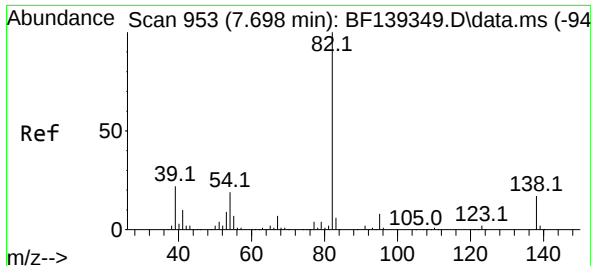
Tgt Ion:136 Resp: 266268  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 12.8  
54 9.7 7.8 11.8  
68 5.5 3.6 5.4#



#23  
Nitrobenzene-d5  
Concen: 98.300 ng  
RT: 7.439 min Scan# 909  
Delta R.T. -0.006 min  
Lab File: BF139518.D  
Acq: 24 Sep 2024 13:57

Tgt Ion: 82 Resp: 556760  
Ion Ratio Lower Upper  
82 100  
128 41.3 31.8 47.6  
54 60.7 50.6 75.8

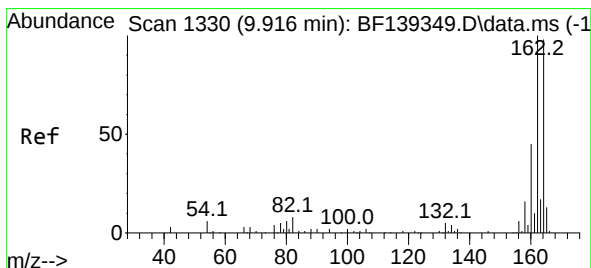
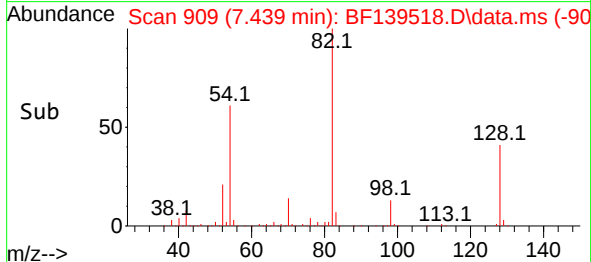
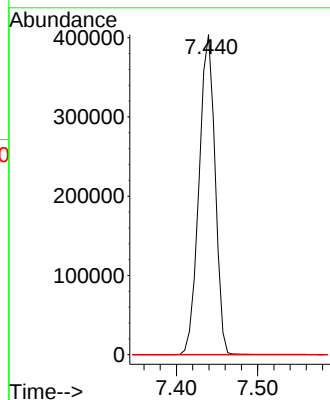
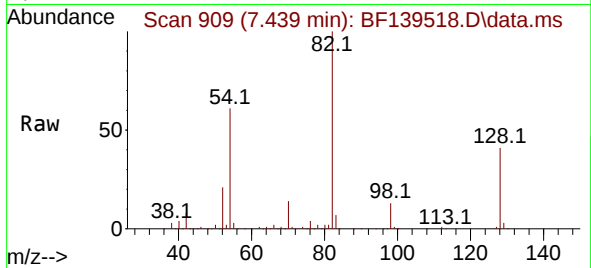




#25  
Isophorone  
Concen: 61.849 ng  
RT: 7.439 min Scan# 90  
Delta R.T. -0.259 min  
Lab File: BF139518.D  
Acq: 24 Sep 2024 13:57

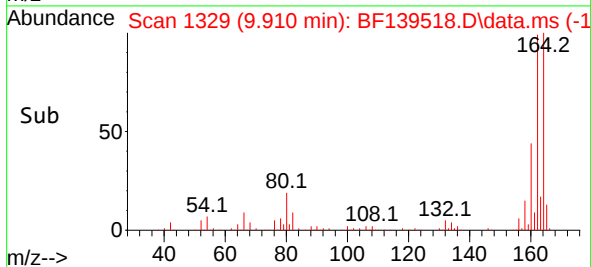
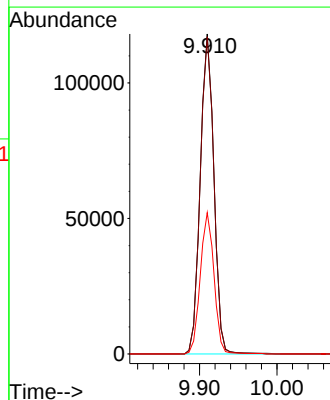
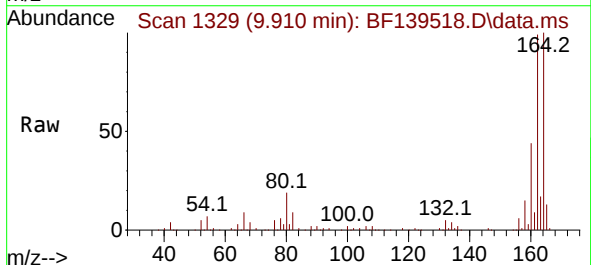
Instrument :  
BNA\_F  
ClientSampleId :  
PB163646BL

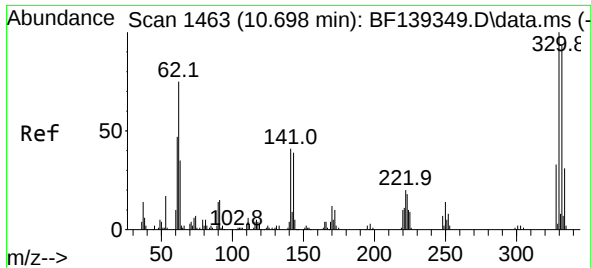
Tgt Ion: 82 Resp: 554014  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.7 10.1#  
138 0.0 13.3 19.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.910 min Scan# 1329  
Delta R.T. -0.006 min  
Lab File: BF139518.D  
Acq: 24 Sep 2024 13:57

Tgt Ion:164 Resp: 144180  
Ion Ratio Lower Upper  
164 100  
162 99.2 81.3 121.9  
160 44.2 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 130.137 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.006 min

Lab File: BF139518.D

Acq: 24 Sep 2024 13:57

Instrument :

BNA\_F

ClientSampleId :

PB163646BL

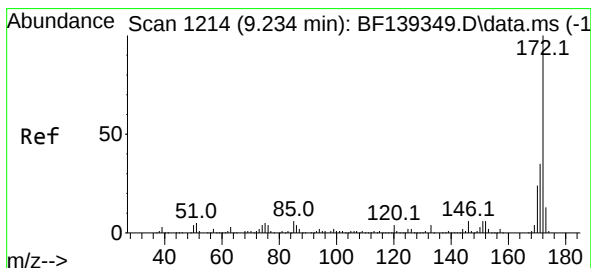
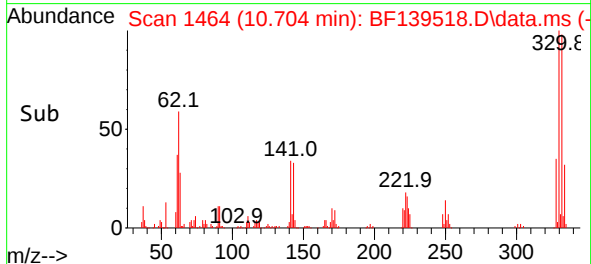
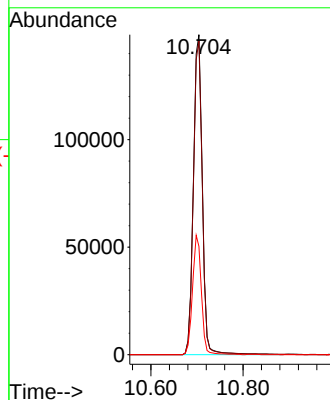
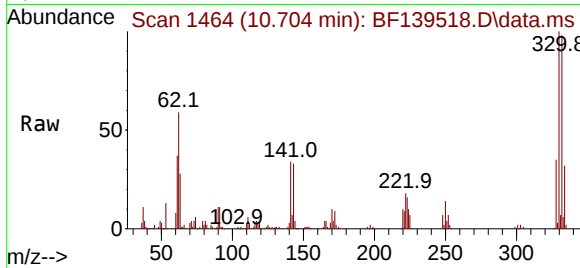
Tgt Ion:330 Resp: 199757

Ion Ratio Lower Upper

330 100

332 97.8 75.2 112.8

141 36.9 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 96.031 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF139518.D

Acq: 24 Sep 2024 13:57

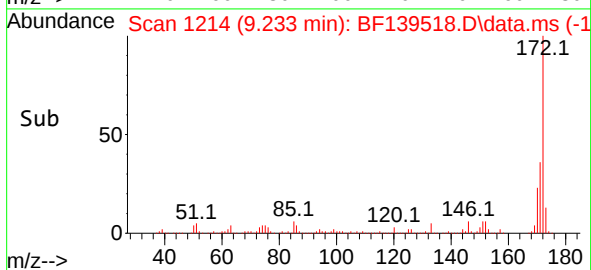
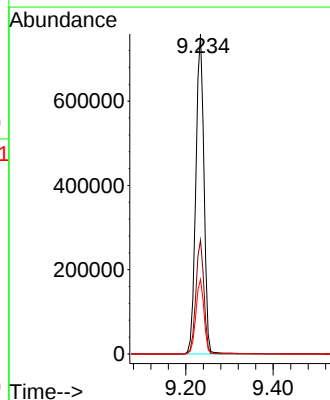
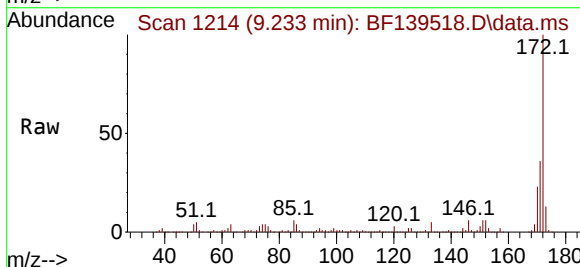
Tgt Ion:172 Resp: 987205

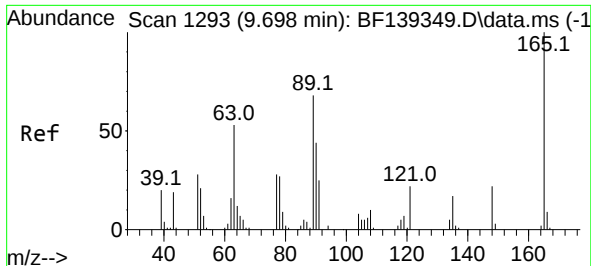
Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.3 19.0 28.6

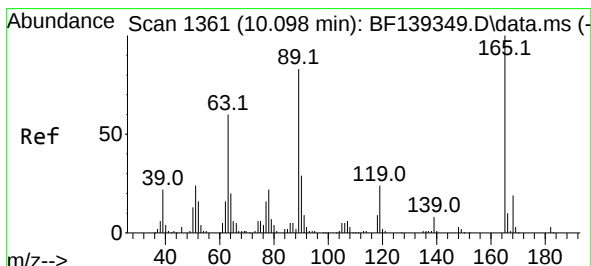
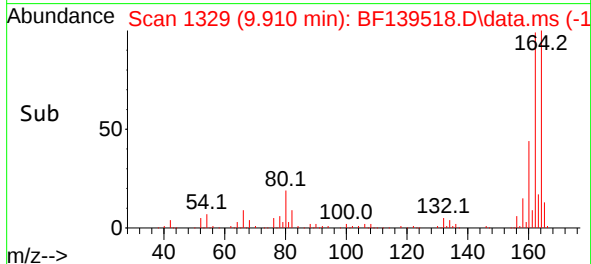
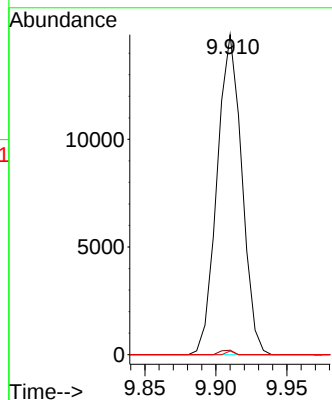
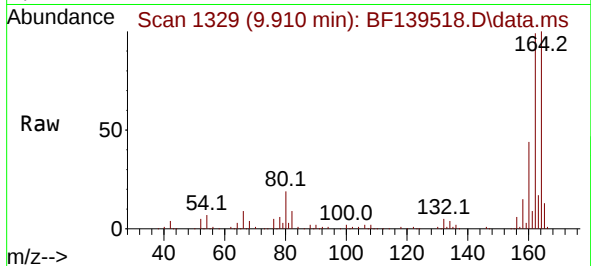




#51  
2,6-Dinitrotoluene  
Concen: 8.585 ng  
RT: 9.910 min Scan# 11  
Delta R.T. 0.212 min  
Lab File: BF139518.D  
Acq: 24 Sep 2024 13:57

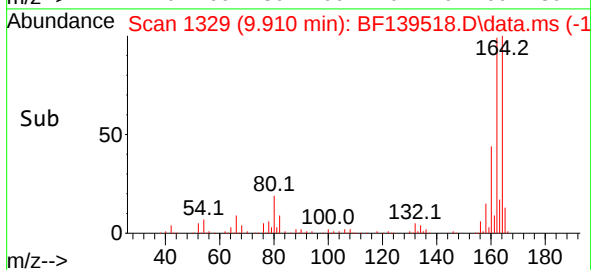
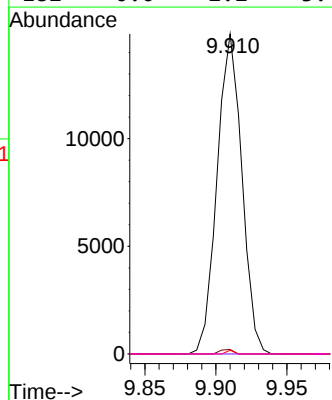
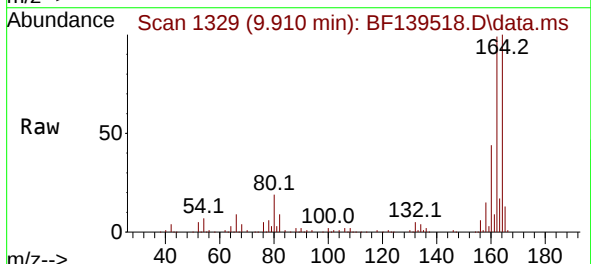
Instrument :  
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ClientSampleId :  
PB163646BL

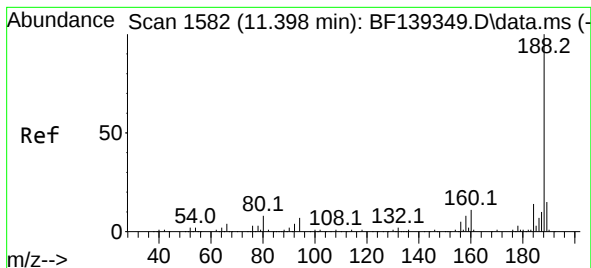
Tgt Ion:165 Resp: 17997  
Ion Ratio Lower Upper  
165 100  
63 1.4 60.9 91.3#  
89 1.1 54.7 82.1#



#57  
2,4-Dinitrotoluene  
Concen: 6.359 ng  
RT: 9.910 min Scan# 1329  
Delta R.T. -0.188 min  
Lab File: BF139518.D  
Acq: 24 Sep 2024 13:57

Tgt Ion:165 Resp: 17997  
Ion Ratio Lower Upper  
165 100  
63 1.4 47.8 71.6#  
89 1.1 66.7 100.1#  
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139518.D

Acq: 24 Sep 2024 13:57

Instrument :

BNA\_F

ClientSampleId :

PB163646BL

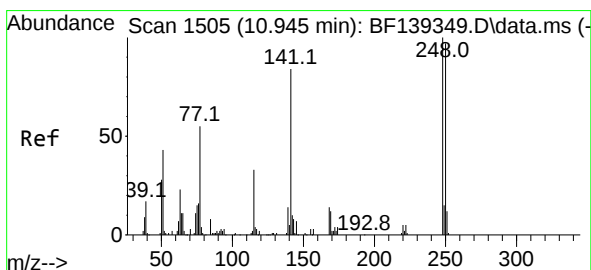
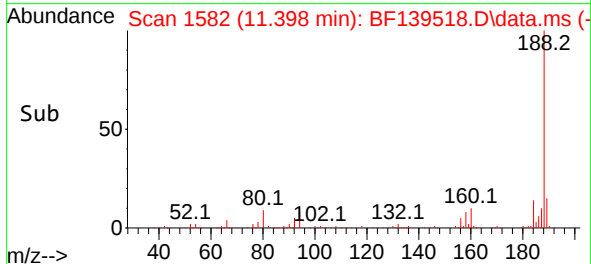
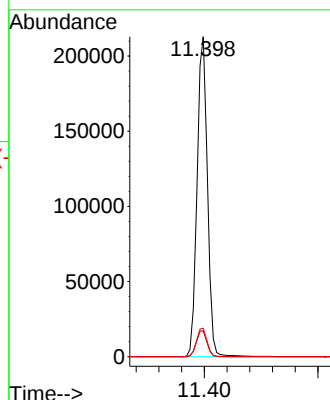
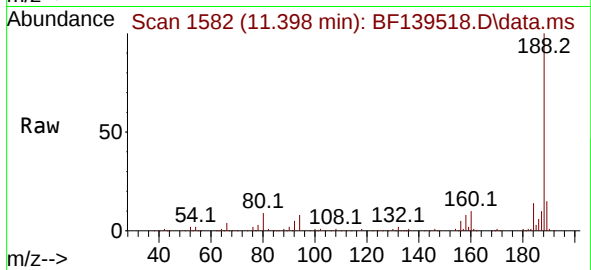
Tgt Ion:188 Resp: 270129

Ion Ratio Lower Upper

188 100

94 8.0 5.5 8.3

80 8.9 6.6 9.8



#67

4-Bromophenyl-phenylether

Concen: 5.207 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF139518.D

Acq: 24 Sep 2024 13:57

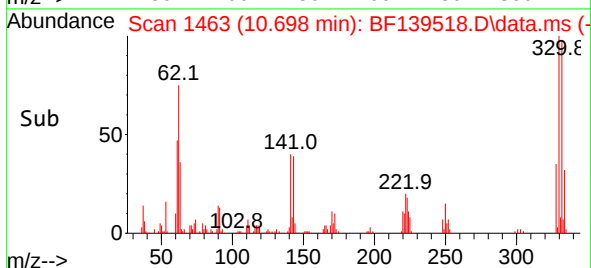
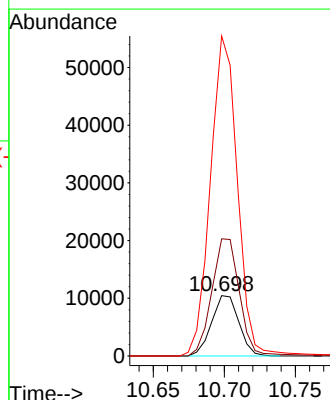
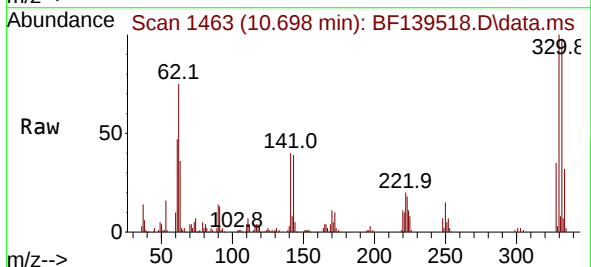
Tgt Ion:248 Resp: 13939

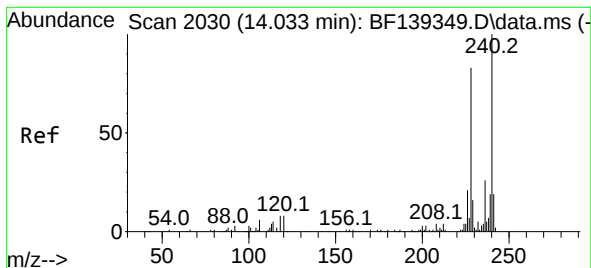
Ion Ratio Lower Upper

248 100

250 194.5 77.6 116.4#

141 531.1 66.9 100.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF139518.D

Acq: 24 Sep 2024 13:57

Instrument :

BNA\_F

ClientSampleId :

PB163646BL

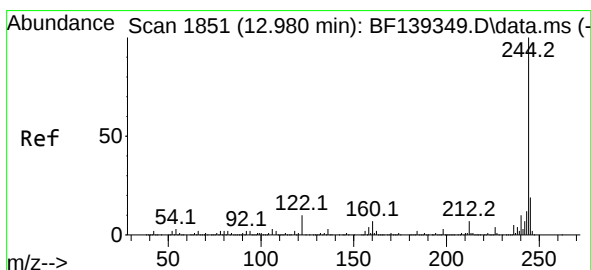
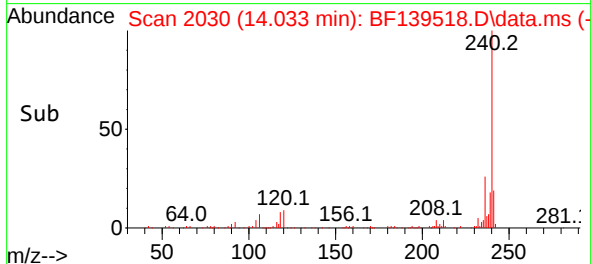
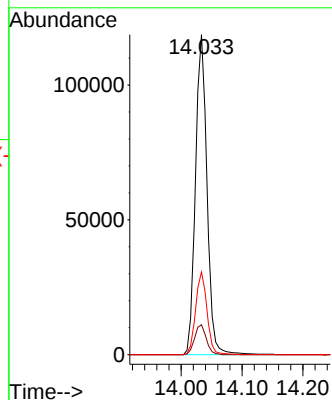
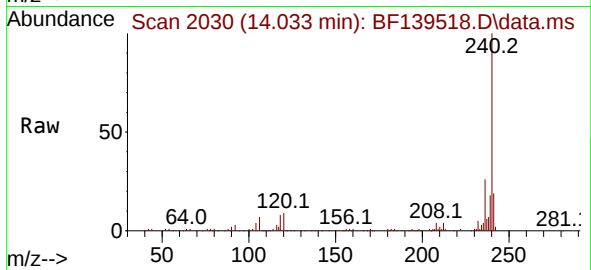
Tgt Ion:240 Resp: 156081

Ion Ratio Lower Upper

240 100

120 9.3 6.2 9.2#

236 25.8 20.9 31.3



#79

Terphenyl-d14

Concen: 108.760 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139518.D

Acq: 24 Sep 2024 13:57

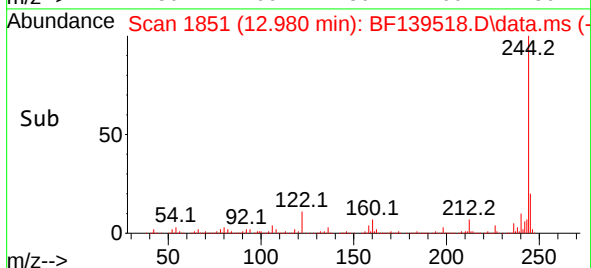
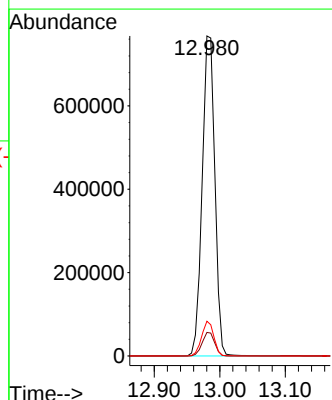
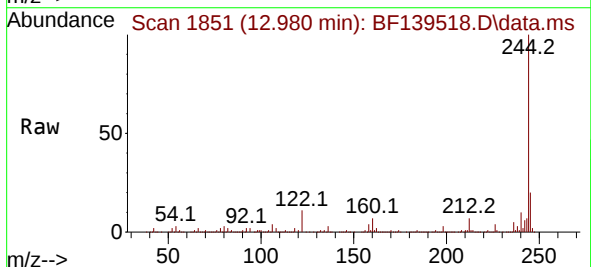
Tgt Ion:244 Resp: 1034207

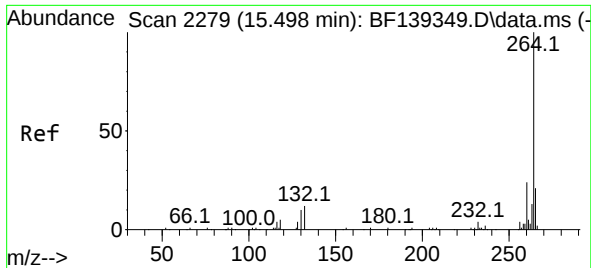
Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 10.9 7.6 11.4





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.504 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: BF139518.D  
 Acq: 24 Sep 2024 13:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB163646BL

Tgt Ion:264 Resp: 130795  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 19.5 29.3  
 265 21.1 16.6 25.0

