

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091024\  
 Data File : BF139301.D  
 Acq On : 10 Sep 2024 15:58  
 Operator : RC/JU  
 Sample : P3917-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DN-B-35

Quant Time: Sep 10 16:20:07 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

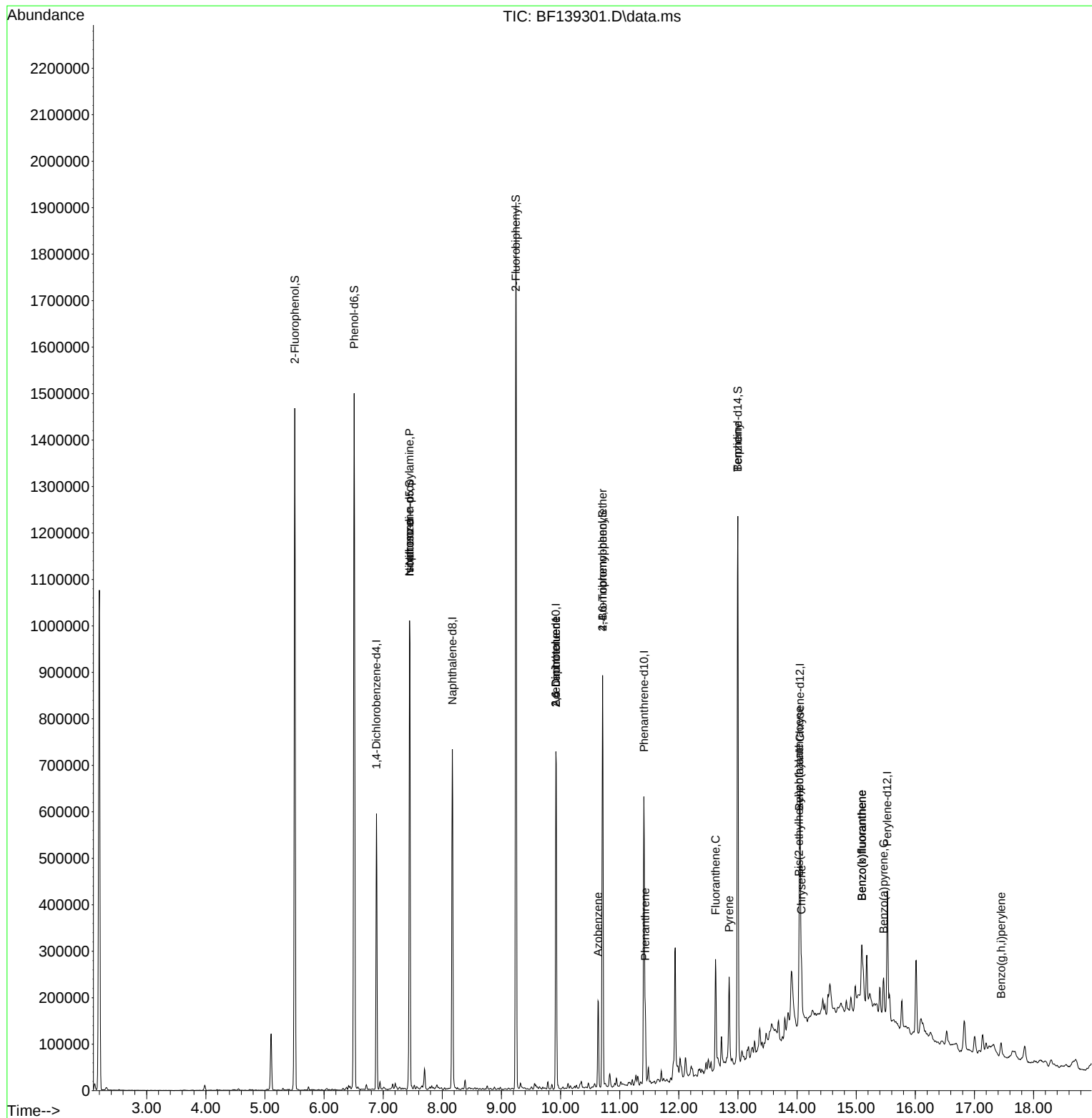
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 114080   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 420794   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.922  | 164  | 214377   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 313894   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 188423   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.527 | 264  | 159327   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 479049   | 70.248 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 641657   | 70.482 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 425688   | 52.628 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 127765   | 69.018 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 785440   | 56.556 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 552004   | 47.301 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.445  | 70   | 58652    | 11.186 | ng    | # 74     |
| 25) Isophorone                | 7.445  | 82   | 423790   | 30.645 | ng    | # 67     |
| 51) 2,6-Dinitrotoluene        | 9.922  | 165  | 27507    | 9.332  | ng    | # 19     |
| 57) 2,4-Dinitrotoluene        | 9.922  | 165  | 27507    | 7.332  | ng    | # 19     |
| 63) Azobenzene                | 10.633 | 77   | 46975    | 3.486  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.710 | 248  | 9014     | 2.960  | ng    | # 1      |
| 71) Phenanthrene              | 11.433 | 178  | 82203    | 5.606  | ng    | 99       |
| 75) Fluoranthene              | 12.621 | 202  | 128592   | 8.747  | ng    | 99       |
| 77) Benzidine                 | 12.998 | 184  | 8192     | 2.159  | ng    | # 92     |
| 78) Pyrene                    | 12.851 | 202  | 106152   | 5.832  | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 72525    | 6.028  | ng    | 94       |
| 83) Chrysene                  | 14.074 | 228  | 61770    | 5.501  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 24607    | 4.893  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 100029   | 10.902 | ng    | # 96     |
| 89) Benzo(k)fluoranthene      | 15.098 | 252  | 100029   | 12.159 | ng    | # 96     |
| 90) Benzo(a)pyrene            | 15.462 | 252  | 46195    | 5.929  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.451 | 276  | 27101    | 3.201  | ng    | 99       |
| -----                         |        |      |          |        |       |          |

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 04 16:11:43 2024  
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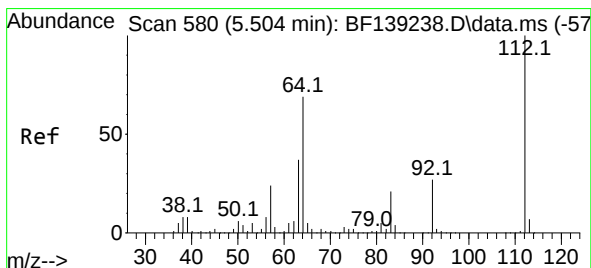
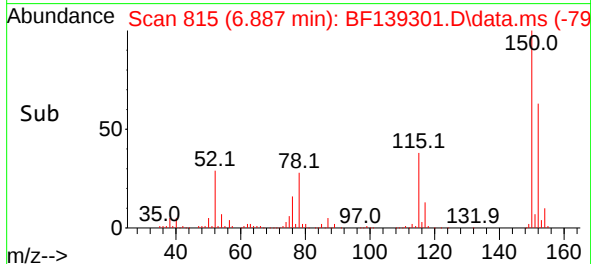
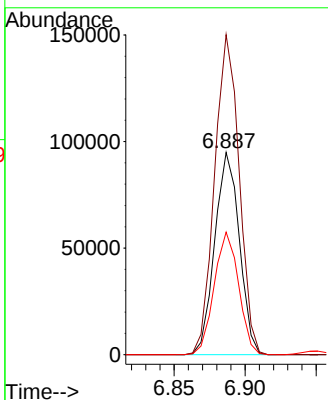
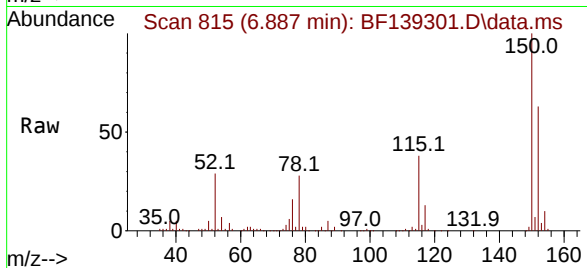




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 816  
Delta R.T. -0.006 min  
Lab File: BF139301.D  
Acq: 10 Sep 2024 15:58

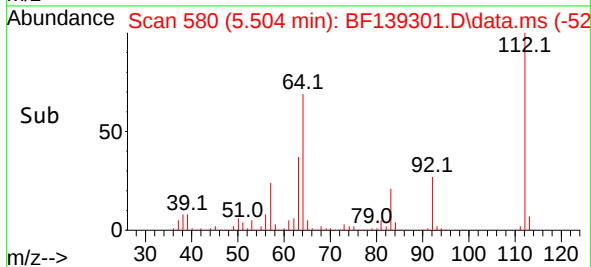
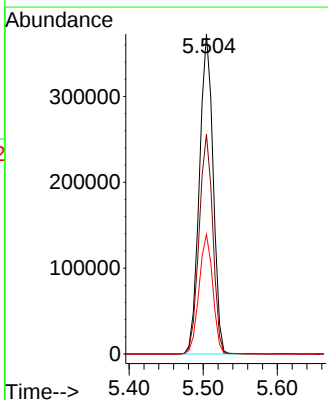
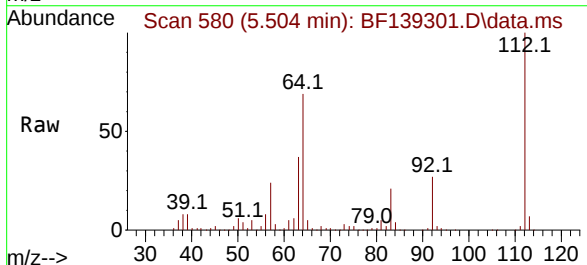
Instrument :  
BNA\_F  
ClientSampleId :  
DN-B-35

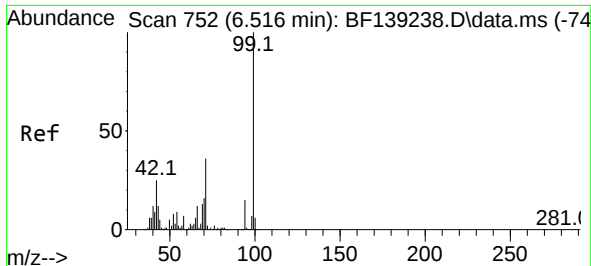
Tgt Ion:152 Resp: 114080  
Ion Ratio Lower Upper  
152 100  
150 158.3 127.0 190.4  
115 60.6 46.9 70.3



#5  
2-Fluorophenol  
Concen: 70.248 ng  
RT: 5.504 min Scan# 580  
Delta R.T. -0.000 min  
Lab File: BF139301.D  
Acq: 10 Sep 2024 15:58

Tgt Ion:112 Resp: 479049  
Ion Ratio Lower Upper  
112 100  
64 68.6 55.0 82.4  
63 37.3 29.9 44.9

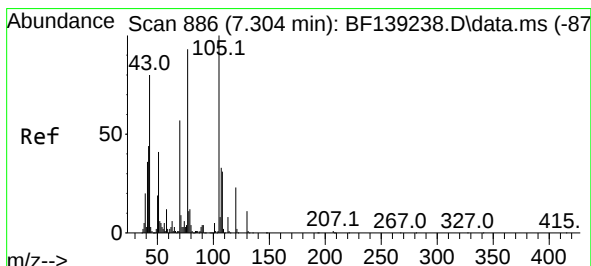
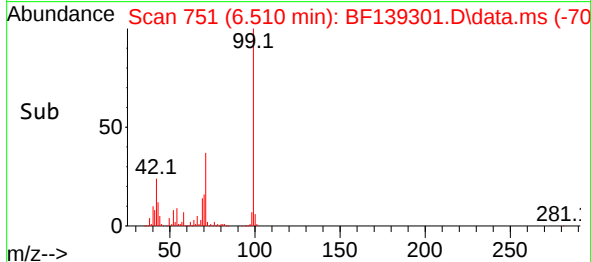
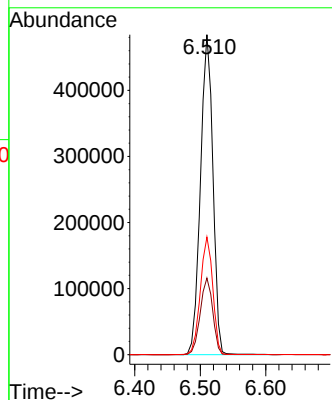
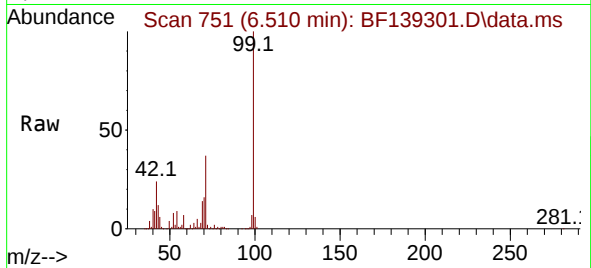




#7  
Phenol-d6  
Concen: 70.482 ng  
RT: 6.510 min Scan# 710  
Delta R.T. -0.006 min  
Lab File: BF139301.D  
Acq: 10 Sep 2024 15:58

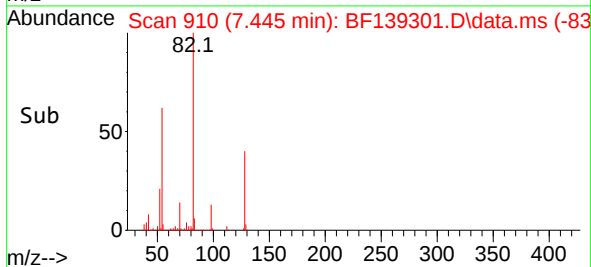
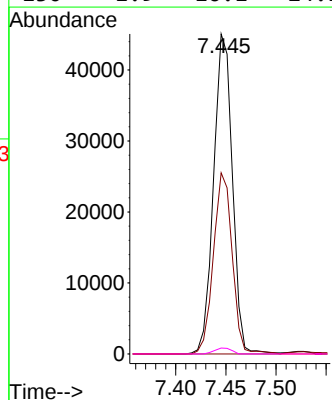
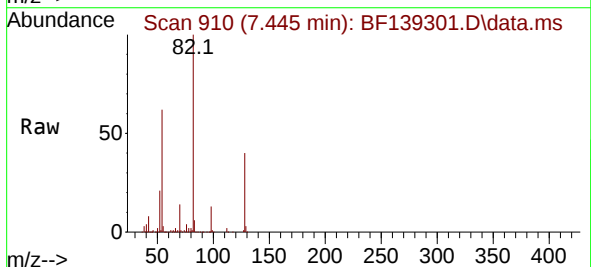
Instrument :  
BNA\_F  
ClientSampleId :  
DN-B-35

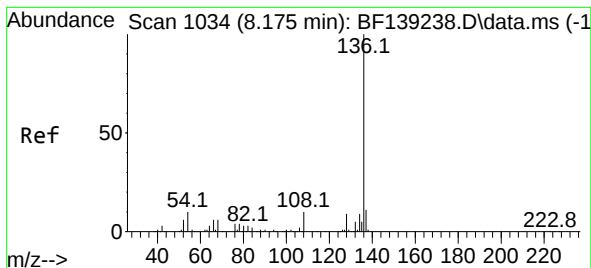
Tgt Ion: 99 Resp: 641657  
Ion Ratio Lower Upper  
99 100  
42 24.0 19.8 29.6  
71 36.8 28.8 43.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 11.186 ng  
RT: 7.445 min Scan# 910  
Delta R.T. 0.141 min  
Lab File: BF139301.D  
Acq: 10 Sep 2024 15:58

Tgt Ion: 70 Resp: 58652  
Ion Ratio Lower Upper  
70 100  
42 56.6 61.0 91.6#  
101 0.0 7.2 10.8#  
130 1.9 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139301.D

Acq: 10 Sep 2024 15:58

Instrument :

BNA\_F

ClientSampleId :

DN-B-35

Tgt Ion:136 Resp: 420794

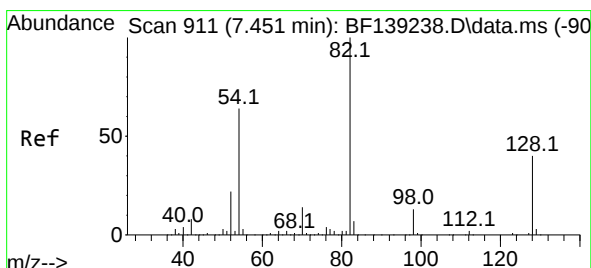
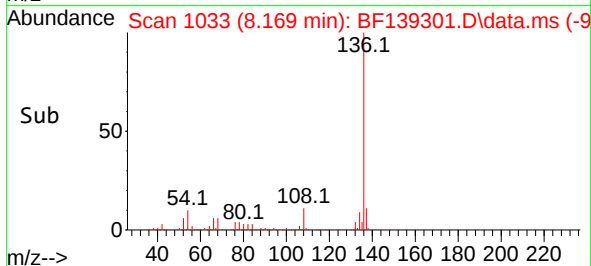
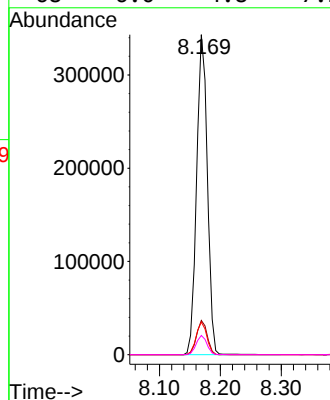
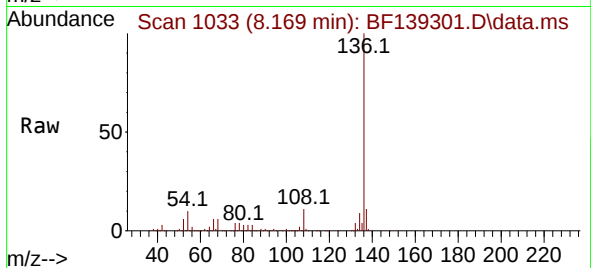
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 10.2 8.4 12.6

68 6.0 4.8 7.2



#23

Nitrobenzene-d5

Concen: 52.628 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF139301.D

Acq: 10 Sep 2024 15:58

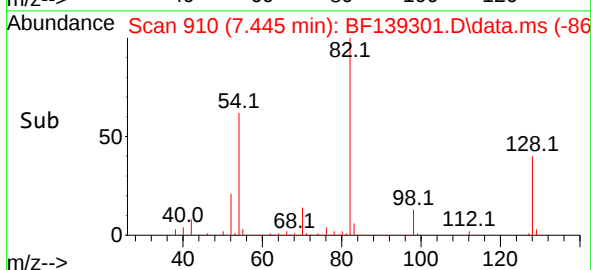
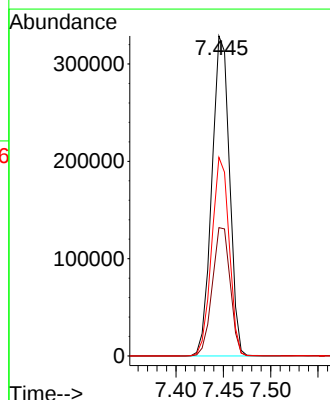
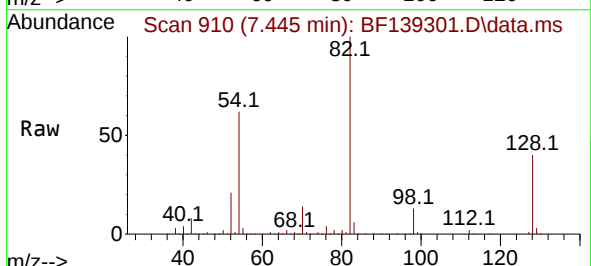
Tgt Ion: 82 Resp: 425688

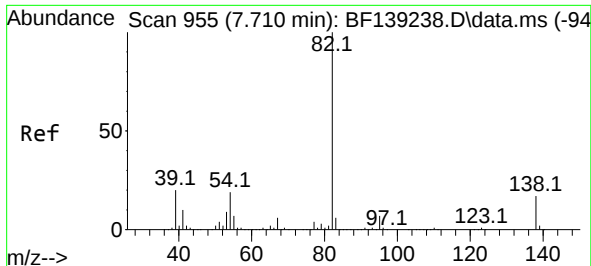
Ion Ratio Lower Upper

82 100

128 40.1 32.3 48.5

54 62.0 51.2 76.8

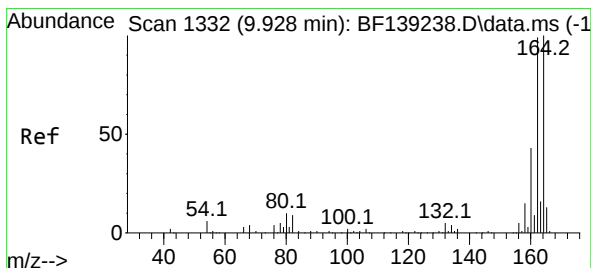
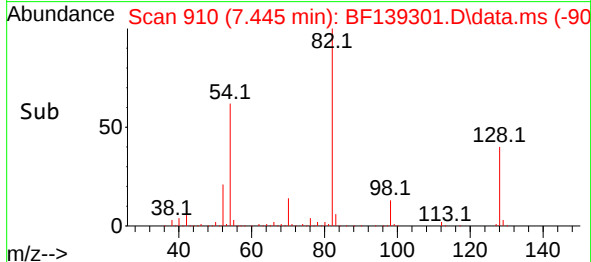
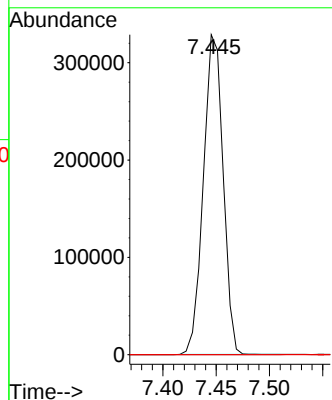
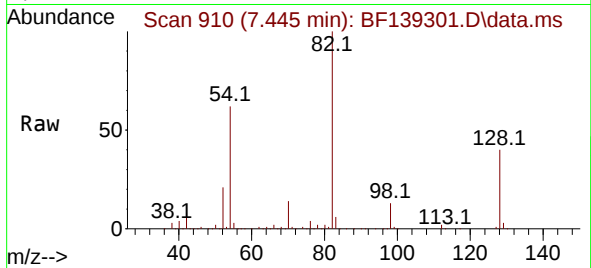




#25  
Isophorone  
Concen: 30.645 ng  
RT: 7.445 min Scan# 91  
Delta R.T. -0.265 min  
Lab File: BF139301.D  
Acq: 10 Sep 2024 15:58

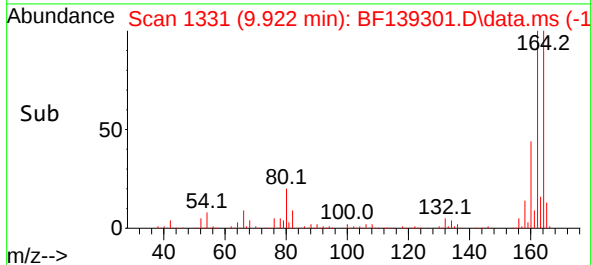
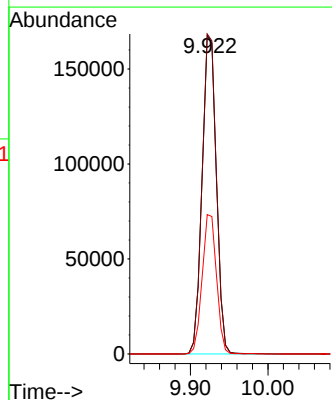
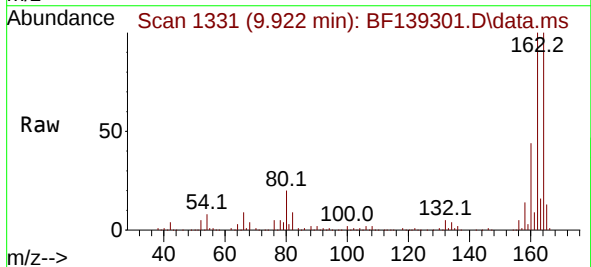
Instrument :  
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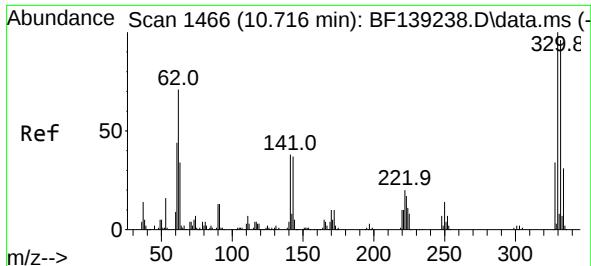
Tgt Ion: 82 Resp: 423790  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 13.4 20.0#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.922 min Scan# 1331  
Delta R.T. -0.006 min  
Lab File: BF139301.D  
Acq: 10 Sep 2024 15:58

Tgt Ion:164 Resp: 214377  
Ion Ratio Lower Upper  
164 100  
162 100.3 79.2 118.8  
160 43.7 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 69.018 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF139301.D

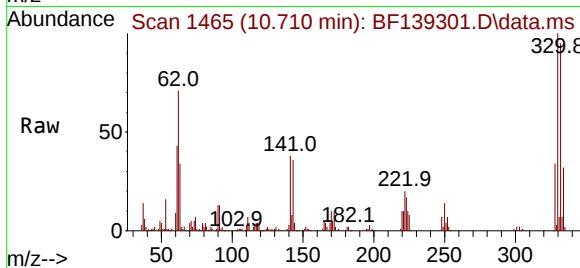
Acq: 10 Sep 2024 15:58

Instrument :

BNA\_F

ClientSampleId :

DN-B-35



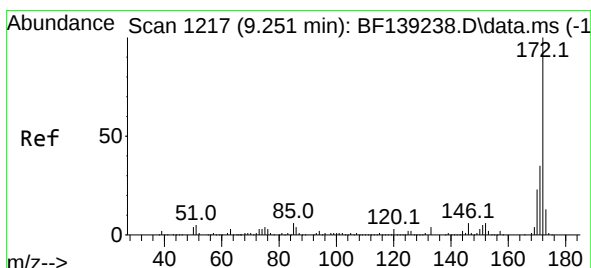
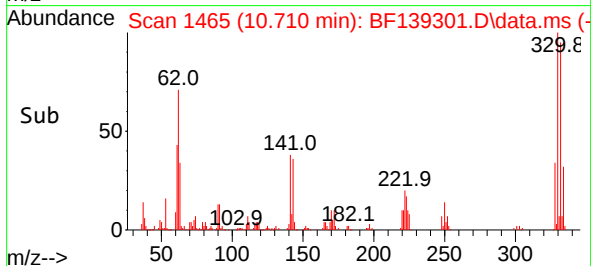
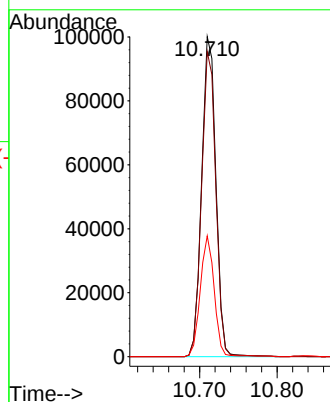
Tgt Ion:330 Resp: 127765

Ion Ratio Lower Upper

330 100

332 95.5 76.6 115.0

141 37.2 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 56.556 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139301.D

Acq: 10 Sep 2024 15:58

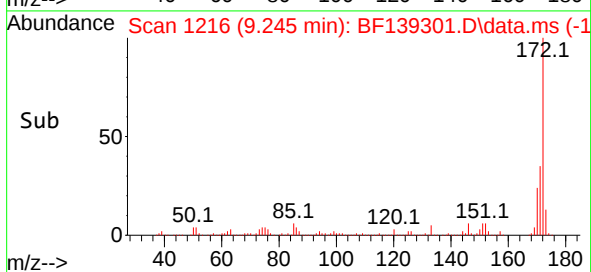
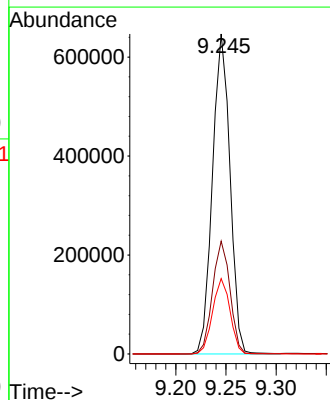
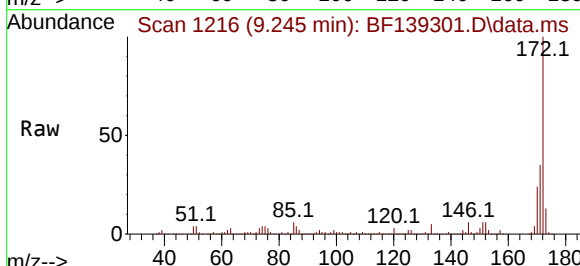
Tgt Ion:172 Resp: 785440

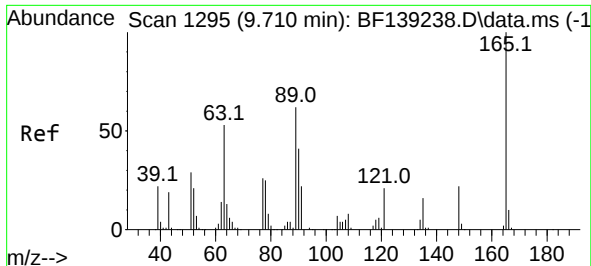
Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.5 18.7 28.1





#51

2,6-Dinitrotoluene

Concen: 9.332 ng

RT: 9.922 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF139301.D

Acq: 10 Sep 2024 15:58

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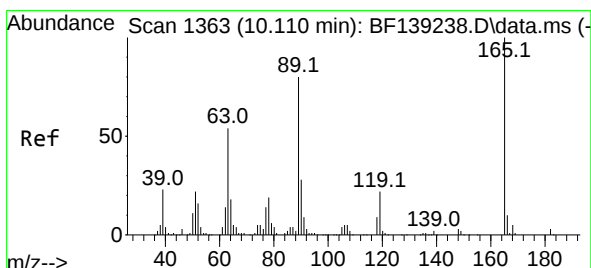
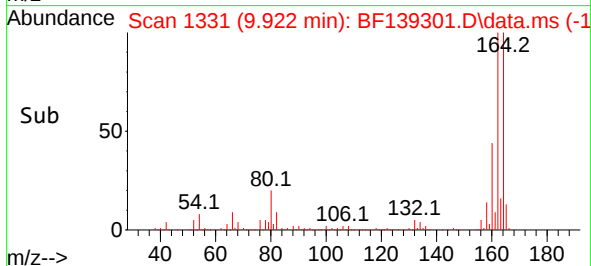
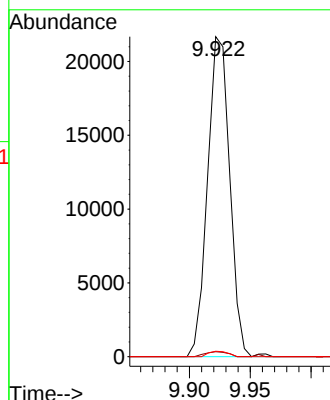
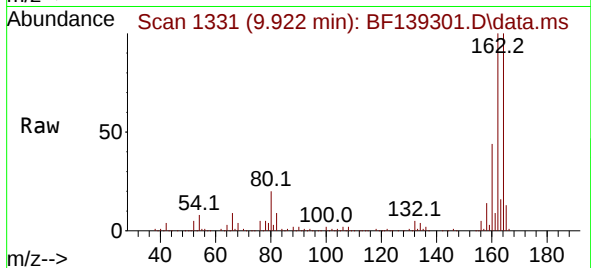
Tgt Ion:165 Resp: 27507

Ion Ratio Lower Upper

165 100

63 1.5 56.1 84.1#

89 1.7 49.7 74.5#



#57

2,4-Dinitrotoluene

Concen: 7.332 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.188 min

Lab File: BF139301.D

Acq: 10 Sep 2024 15:58

Tgt Ion:165 Resp: 27507

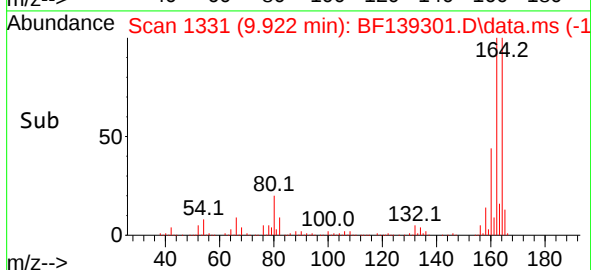
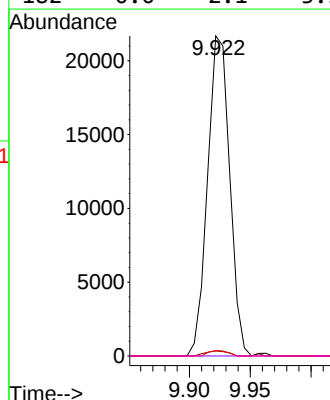
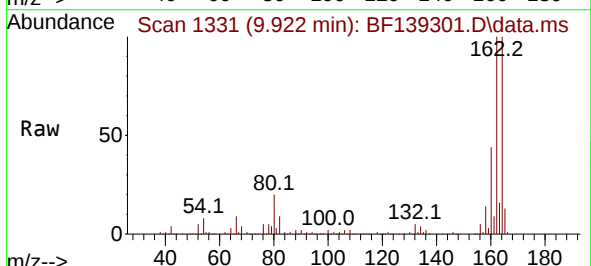
Ion Ratio Lower Upper

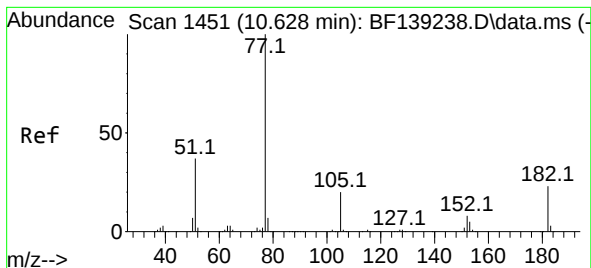
165 100

63 1.5 43.4 65.0#

89 1.7 64.2 96.4#

182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 3.486 ng

RT: 10.633 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF139301.D

Acq: 10 Sep 2024 15:58

Instrument :

BNA\_F

ClientSampleId :

DN-B-35

Tgt Ion: 77 Resp: 46975

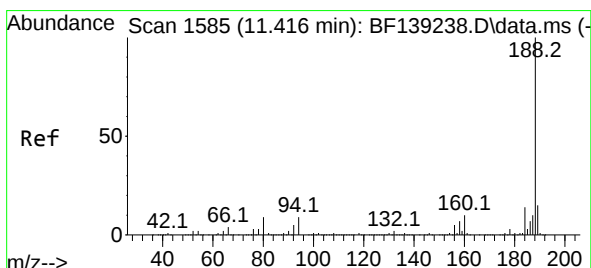
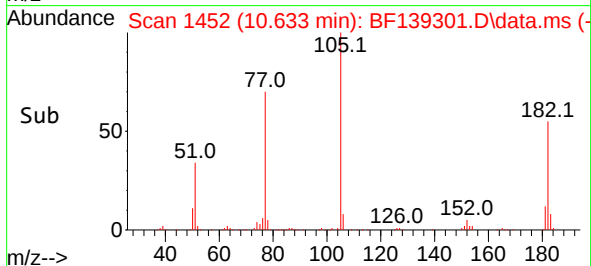
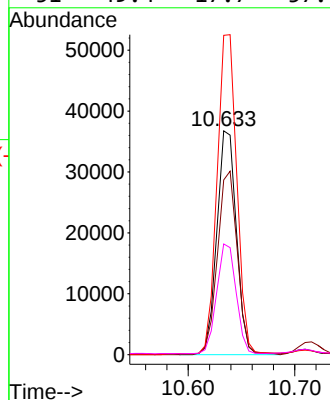
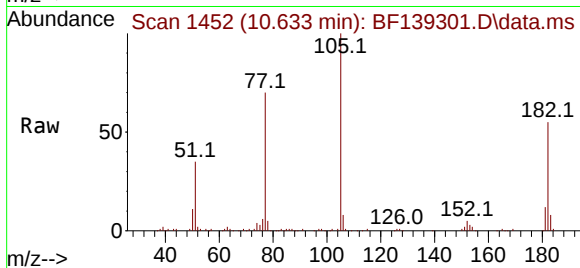
Ion Ratio Lower Upper

77 100

182 78.0 3.0 43.0#

105 142.6 0.0 39.4#

51 49.4 17.7 57.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF139301.D

Acq: 10 Sep 2024 15:58

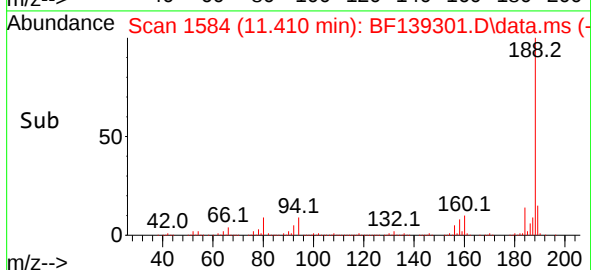
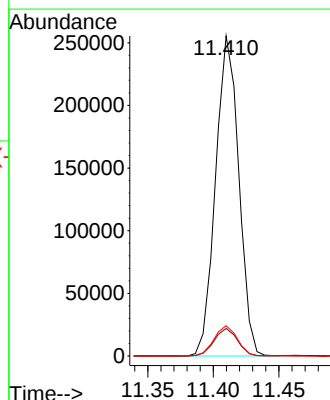
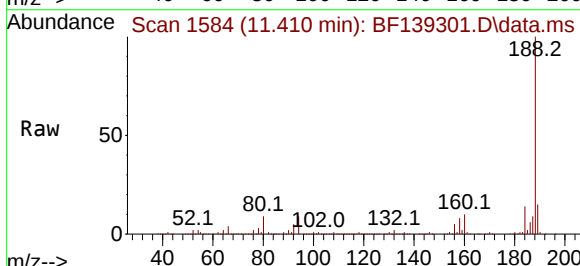
Tgt Ion:188 Resp: 313894

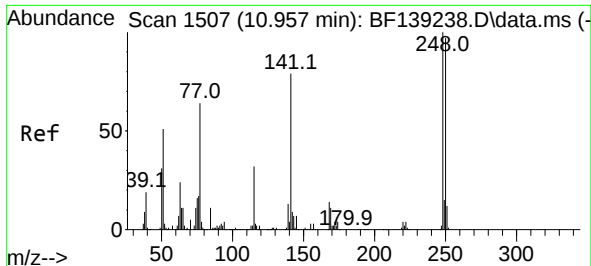
Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.4

80 9.5 7.3 10.9





#67

4-Bromophenyl-phenylether

Concen: 2.960 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.247 min

Lab File: BF139301.D

Acq: 10 Sep 2024 15:58

Instrument :

BNA\_F

ClientSampleId :

DN-B-35

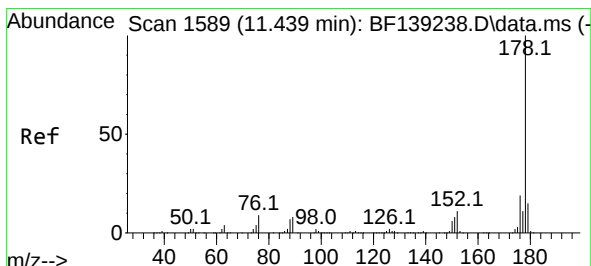
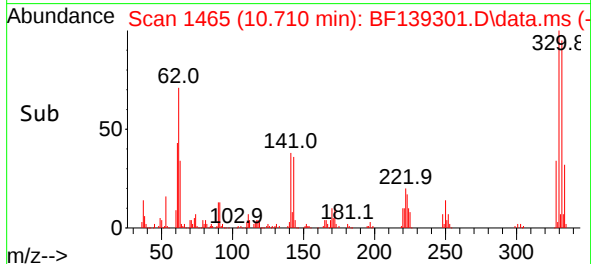
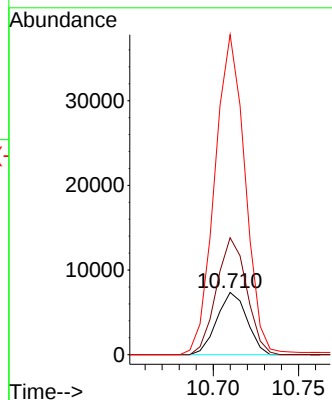
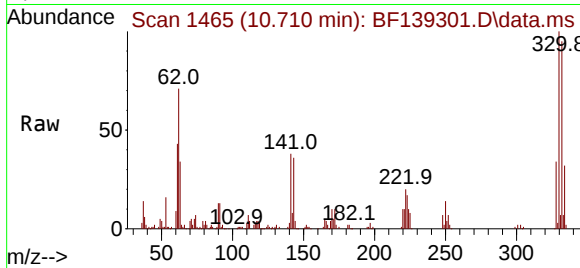
Tgt Ion:248 Resp: 9014

Ion Ratio Lower Upper

248 100

250 188.0 77.2 115.8#

141 514.1 63.6 95.4#



#71

Phenanthrene

Concen: 5.606 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF139301.D

Acq: 10 Sep 2024 15:58

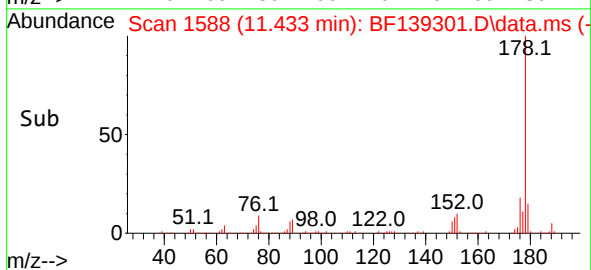
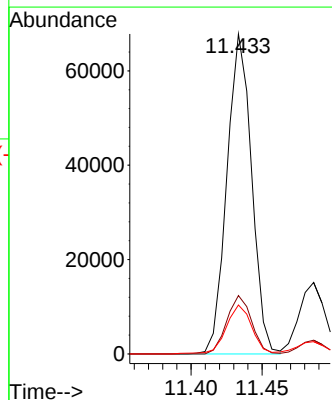
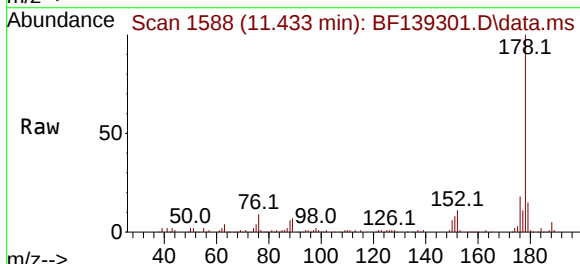
Tgt Ion:178 Resp: 82203

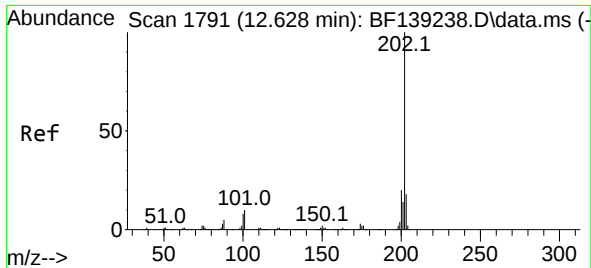
Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.0

179 15.3 12.3 18.5

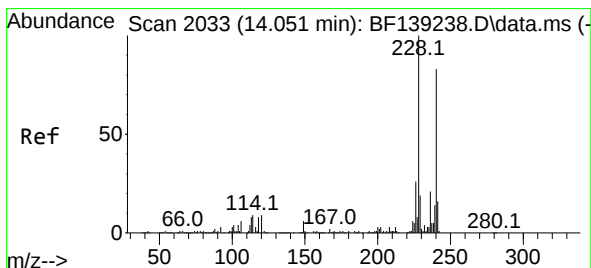
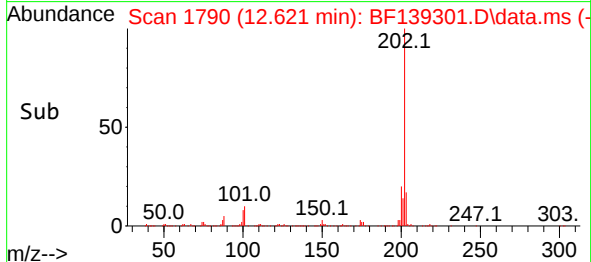
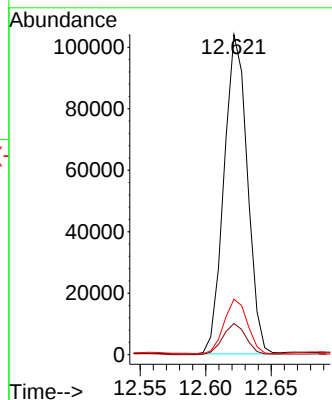
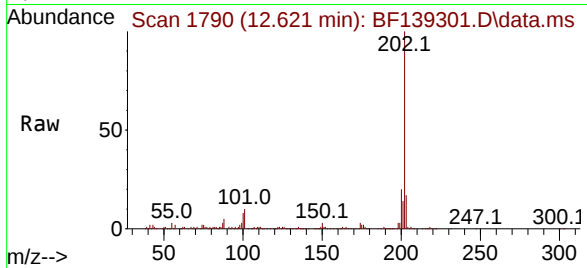




#75  
Fluoranthene  
Concen: 8.747 ng  
RT: 12.621 min Scan# 1791  
Delta R.T. -0.006 min  
Lab File: BF139301.D  
Acq: 10 Sep 2024 15:58

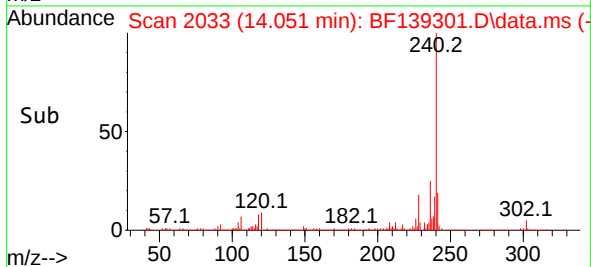
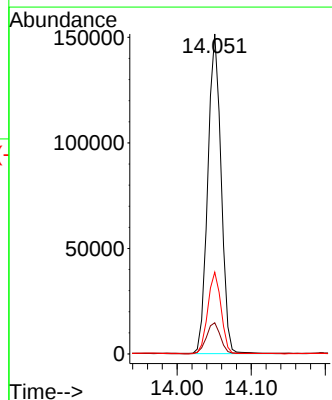
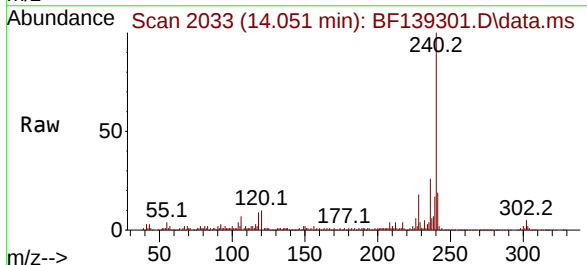
Instrument :  
BNA\_F  
ClientSampleId :  
DN-B-35

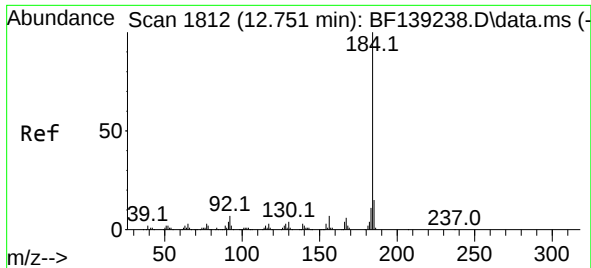
Tgt Ion:202 Resp: 128592  
Ion Ratio Lower Upper  
202 100  
101 9.7 0.0 29.9  
203 17.4 0.0 37.7



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. -0.000 min  
Lab File: BF139301.D  
Acq: 10 Sep 2024 15:58

Tgt Ion:240 Resp: 188423  
Ion Ratio Lower Upper  
240 100  
120 9.7 8.6 12.8  
236 25.5 20.7 31.1

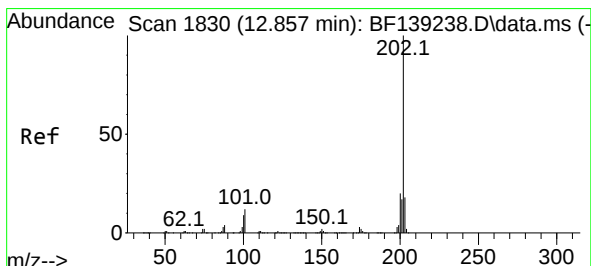
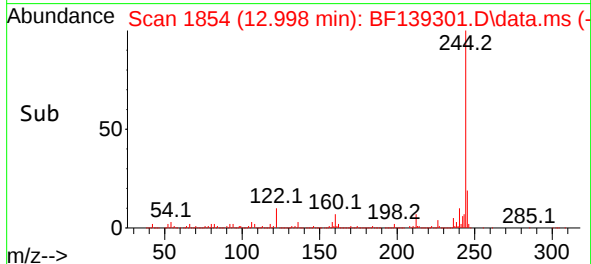
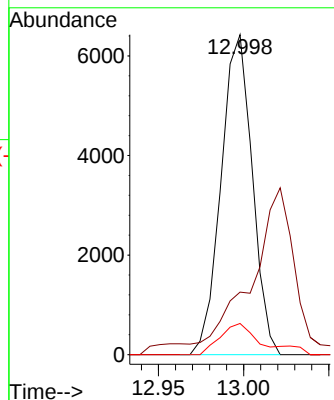
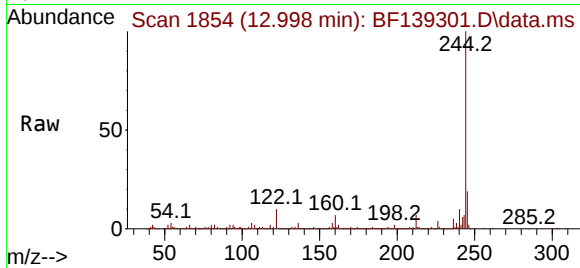




#77  
Benzidine  
Concen: 2.159 ng  
RT: 12.998 min Scan# 1854  
Delta R.T. 0.247 min  
Lab File: BF139301.D  
Acq: 10 Sep 2024 15:58

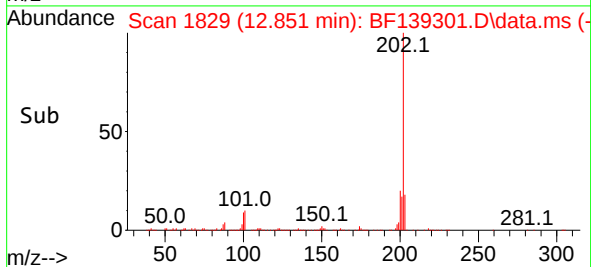
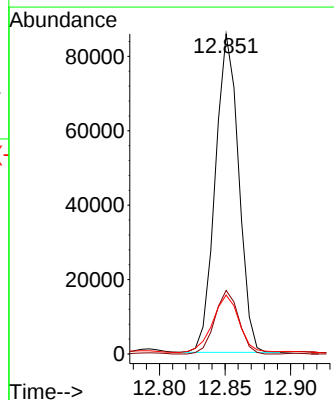
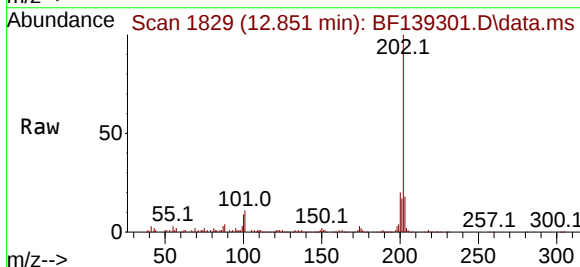
Instrument :  
BNA\_F  
ClientSampleId :  
DN-B-35

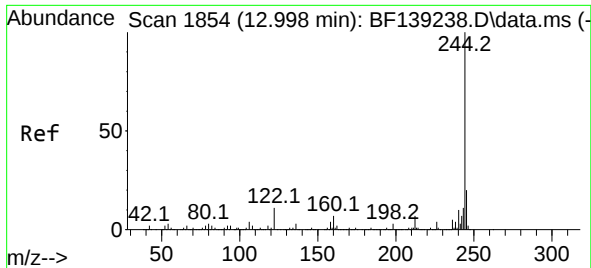
Tgt Ion:184 Resp: 8192  
Ion Ratio Lower Upper  
184 100  
185 19.5 11.9 17.9#  
183 9.7 8.8 13.2



#78  
Pyrene  
Concen: 5.832 ng  
RT: 12.851 min Scan# 1829  
Delta R.T. -0.006 min  
Lab File: BF139301.D  
Acq: 10 Sep 2024 15:58

Tgt Ion:202 Resp: 106152  
Ion Ratio Lower Upper  
202 100  
200 19.9 15.8 23.8  
203 18.4 14.1 21.1

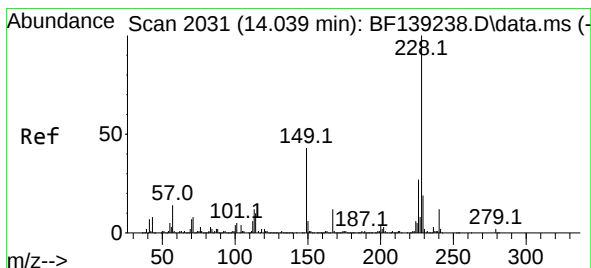
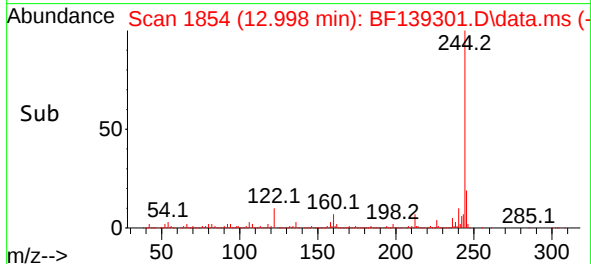
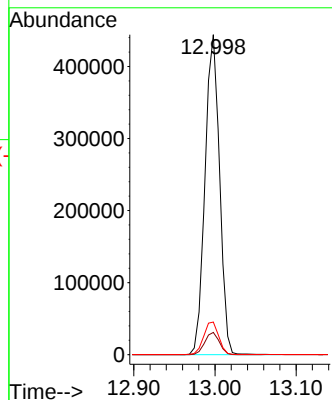
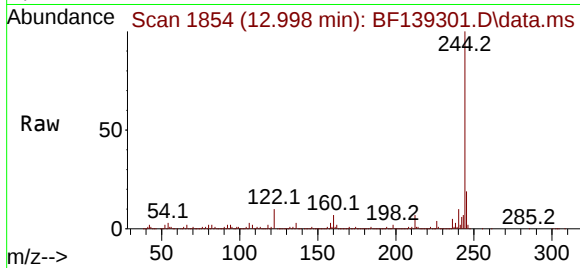




#79  
 Terphenyl-d14  
 Concen: 47.301 ng  
 RT: 12.998 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: BF139301.D  
 Acq: 10 Sep 2024 15:58

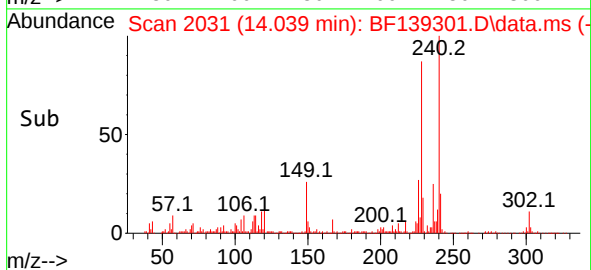
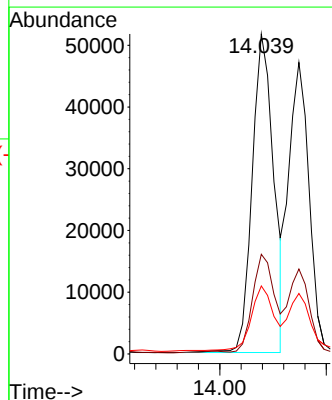
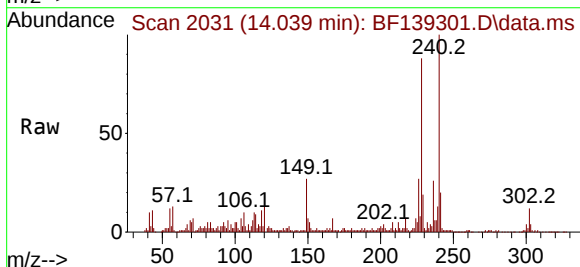
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DN-B-35

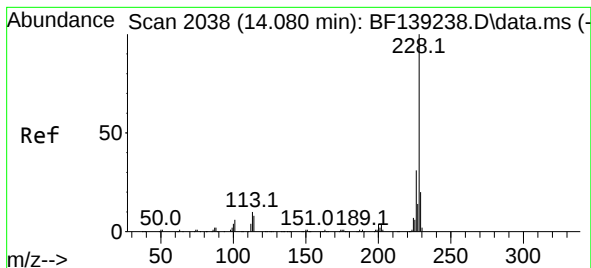
Tgt Ion:244 Resp: 552004  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.9 8.9  
 122 10.2 8.7 13.1



#81  
 Benzo(a)anthracene  
 Concen: 6.028 ng  
 RT: 14.039 min Scan# 2031  
 Delta R.T. -0.000 min  
 Lab File: BF139301.D  
 Acq: 10 Sep 2024 15:58

Tgt Ion:228 Resp: 72525  
 Ion Ratio Lower Upper  
 228 100  
 226 31.2 21.5 32.3  
 229 21.3 15.6 23.4





#83

Chrysene

Concen: 5.501 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF139301.D

Acq: 10 Sep 2024 15:58

Instrument :

BNA\_F

ClientSampleId :

DN-B-35

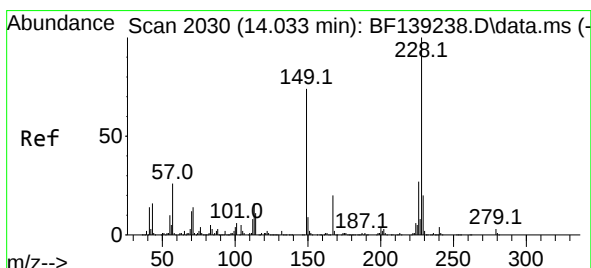
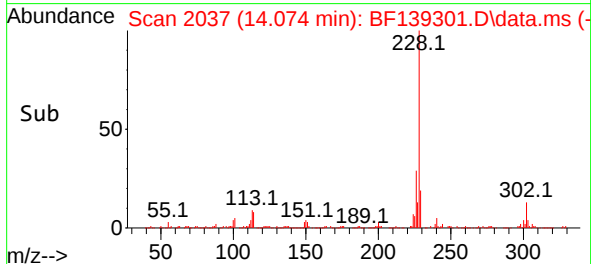
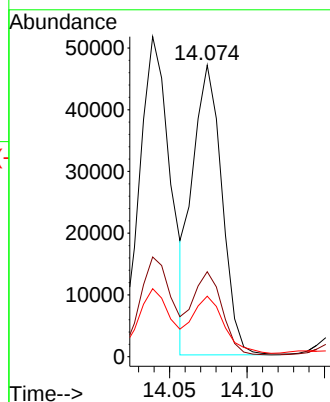
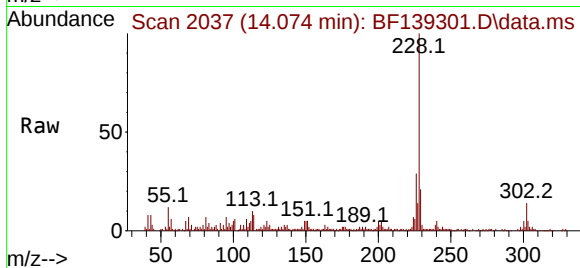
Tgt Ion:228 Resp: 61770

Ion Ratio Lower Upper

228 100

226 29.2 23.8 35.8

229 20.8 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.893 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF139301.D

Acq: 10 Sep 2024 15:58

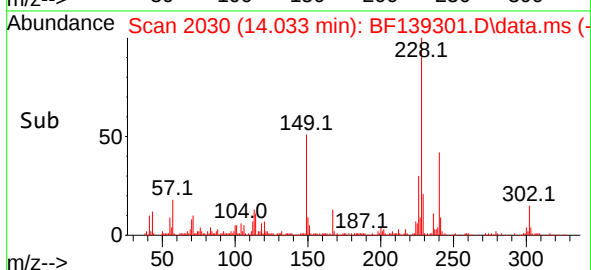
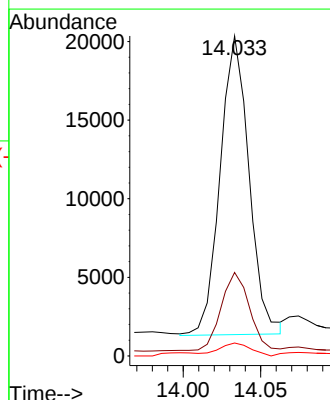
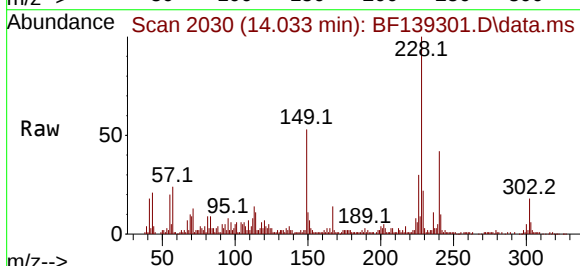
Tgt Ion:149 Resp: 24607

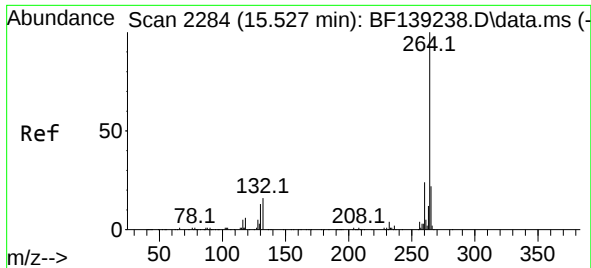
Ion Ratio Lower Upper

149 100

167 26.1 21.8 32.6

279 4.1 3.0 4.6



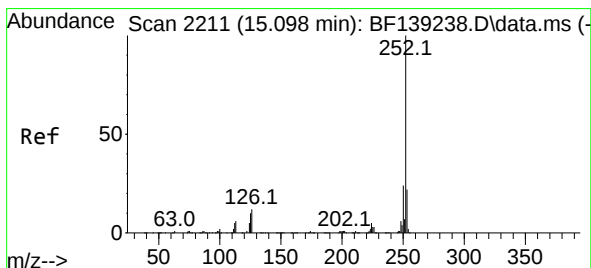
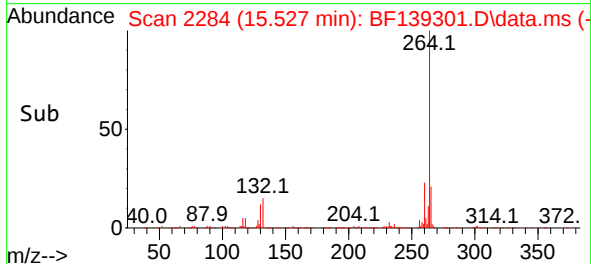
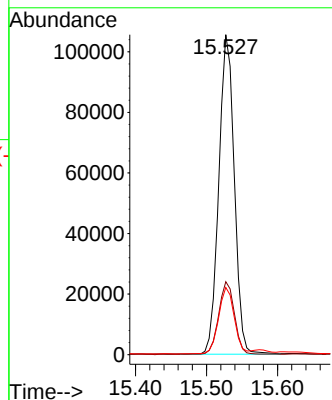
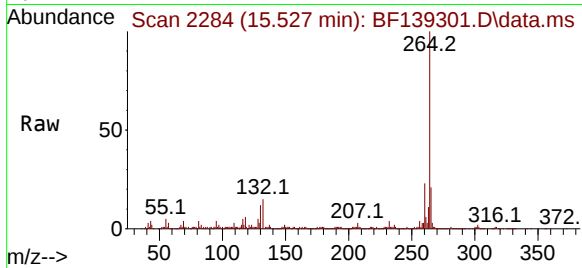


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.527 min Scan# 2111  
Delta R.T. -0.000 min  
Lab File: BF139301.D  
Acq: 10 Sep 2024 15:58

Instrument :  
BNA\_F  
ClientSampleId :  
DN-B-35

Tgt Ion:264 Resp: 159327  

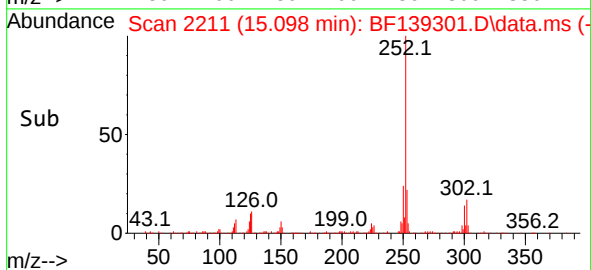
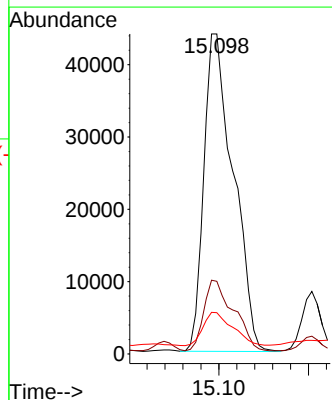
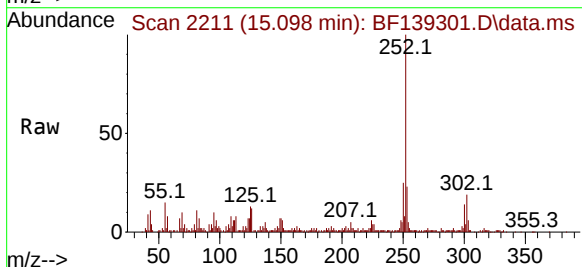
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.8  | 18.8  | 28.2  |
| 265 | 21.0  | 17.3  | 25.9  |

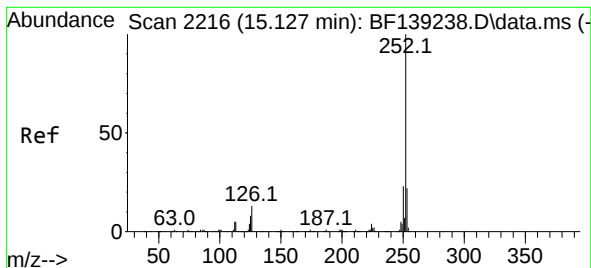


#88  
Benzo(b)fluoranthene  
Concen: 10.902 ng  
RT: 15.098 min Scan# 2211  
Delta R.T. -0.000 min  
Lab File: BF139301.D  
Acq: 10 Sep 2024 15:58

Tgt Ion:252 Resp: 100029  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.7  | 17.6  | 26.4  |
| 125 | 12.9  | 7.6   | 11.4  |





#89

Benzo(k)fluoranthene

Concen: 12.159 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF139301.D

Acq: 10 Sep 2024 15:58

Instrument :

BNA\_F

ClientSampleId :

DN-B-35

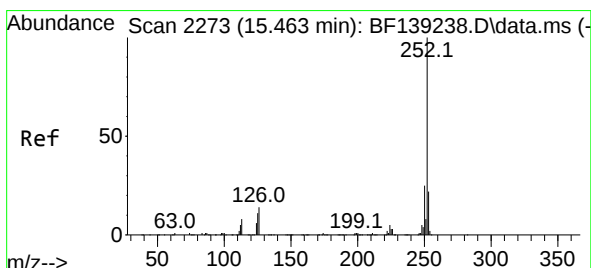
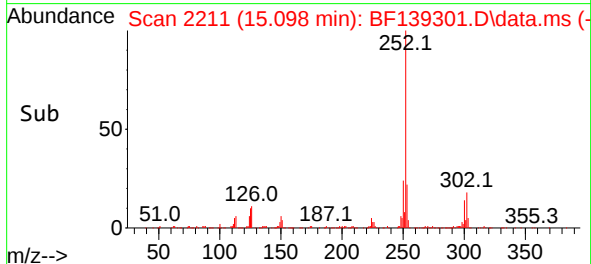
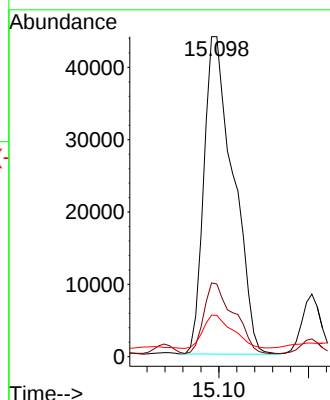
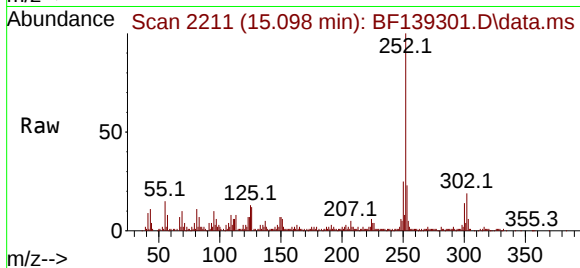
Tgt Ion:252 Resp: 100029

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

125 12.9 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 5.929 ng

RT: 15.462 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF139301.D

Acq: 10 Sep 2024 15:58

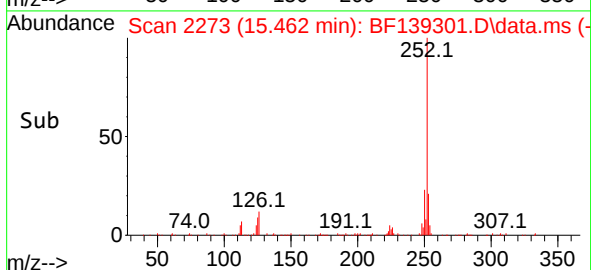
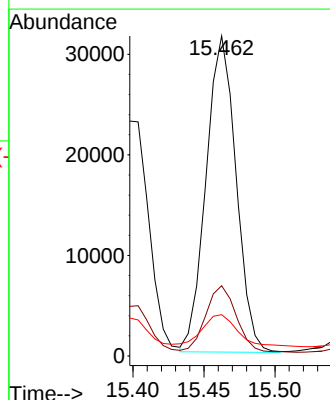
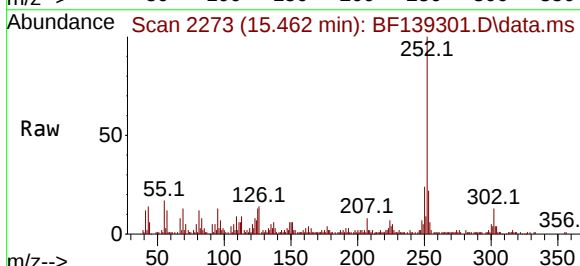
Tgt Ion:252 Resp: 46195

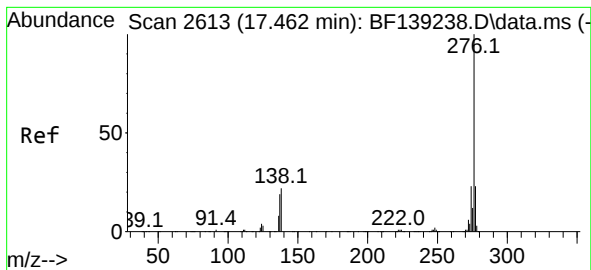
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 12.9 8.6 13.0





#92

Benzo(g,h,i)perylene

Concen: 3.201 ng

RT: 17.451 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF139301.D

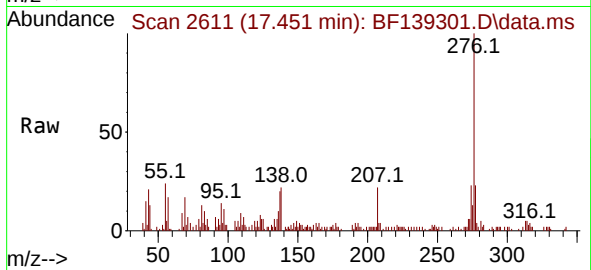
Acq: 10 Sep 2024 15:58

Instrument :

BNA\_F

ClientSampleId :

DN-B-35



Tgt Ion:276 Resp: 27101

Ion Ratio Lower Upper

276 100

277 22.5 18.6 27.8

138 21.9 17.4 26.0

