

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081524\  
 Data File : BF139035.D  
 Acq On : 15 Aug 2024 21:45  
 Operator : RC/JU  
 Sample : P3573-07  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-856-J-S0-1.5-2-080924

Quant Time: Aug 16 00:28:26 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 30 17:50:01 2024  
 Response via : Initial Calibration

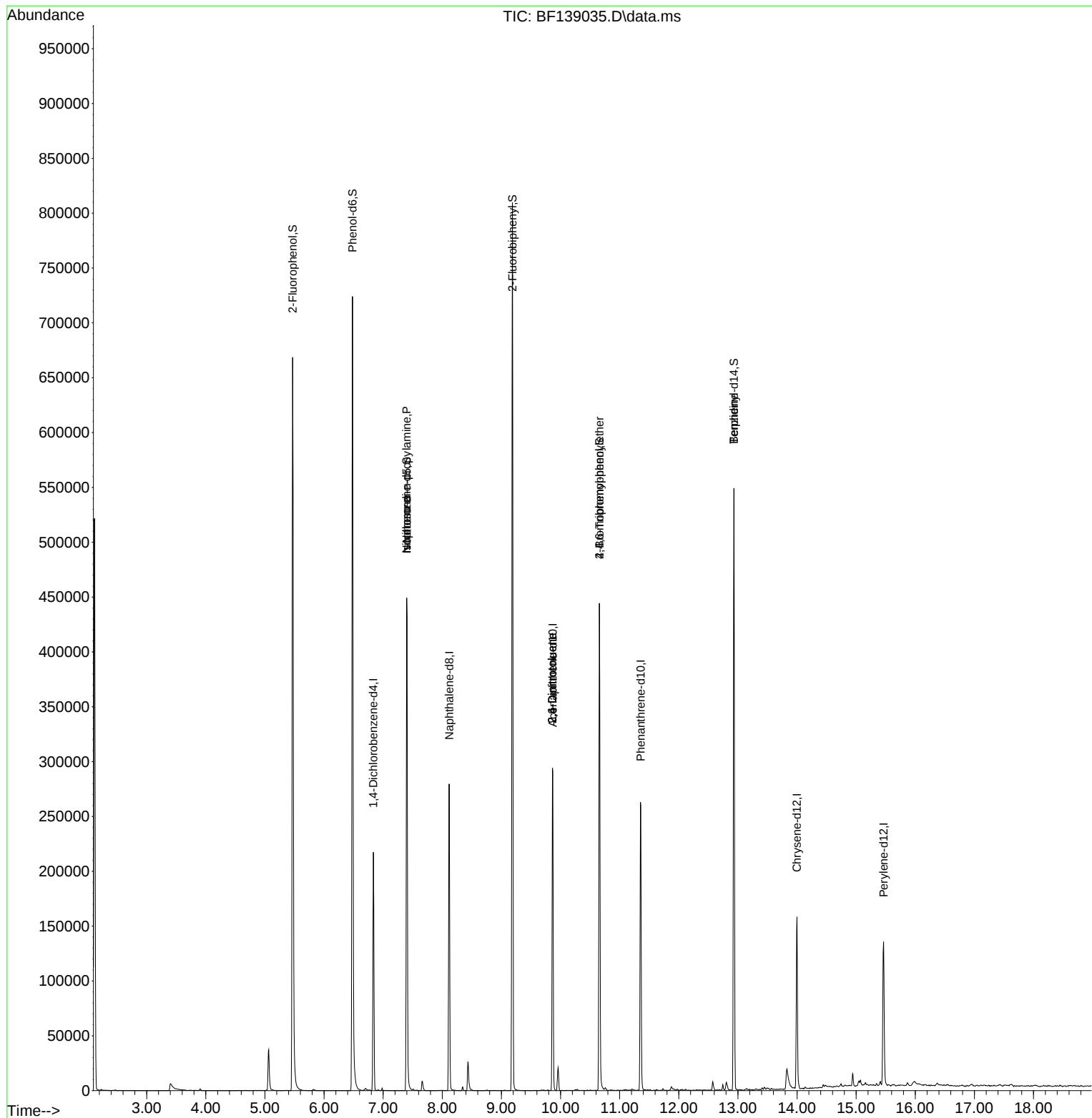
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.834  | 152  | 41035    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.116  | 136  | 161701   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.869  | 164  | 86063    | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.357 | 188  | 138803   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12              | 13.998 | 240  | 72129    | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.463 | 264  | 77999    | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 222091   | 83.546 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.481  | 99   | 303274   | 84.973 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.398  | 82   | 192654   | 58.250 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.657 | 330  | 60149    | 85.321 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.186  | 172  | 326965   | 57.082 | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.933 | 244  | 247871   | 57.536 | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.398  | 70   | 27237    | 12.635 | ng    | # 79     |
| 25) Isophorone                | 7.398  | 82   | 192678   | 34.118 | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.863  | 165  | 11516    | 9.273  | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.863  | 165  | 11516    | 7.268  | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.657 | 248  | 4355     | 2.898  | ng    | # 1      |
| 77) Benzidine                 | 12.933 | 184  | 4068     | 2.358  | ng    | # 90     |
| -----                         |        |      |          |        |       |          |

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

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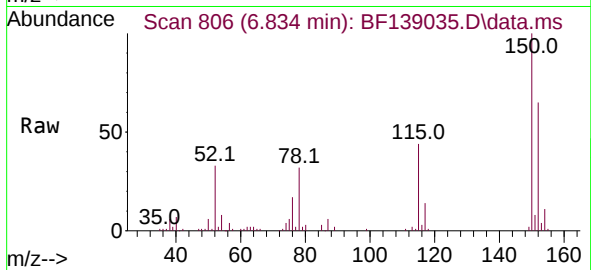
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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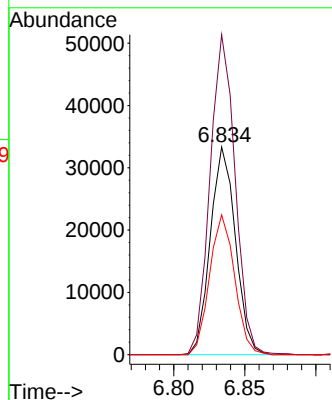
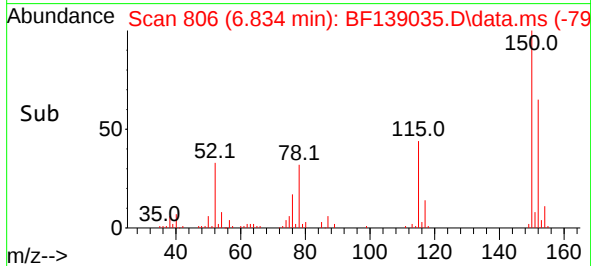


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.834 min Scan# 808  
Delta R.T. -0.011 min  
Lab File: BF139035.D  
Acq: 15 Aug 2024 21:45

Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-S0-1.5-2-080924

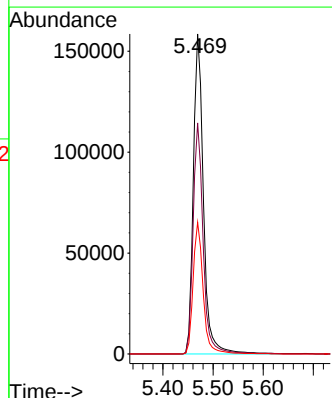
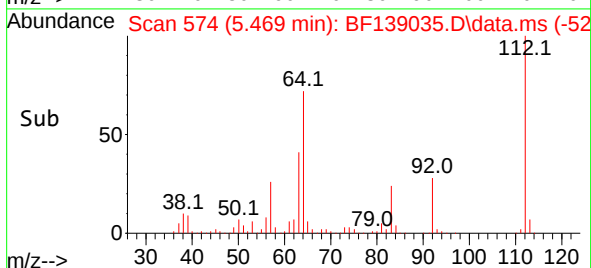
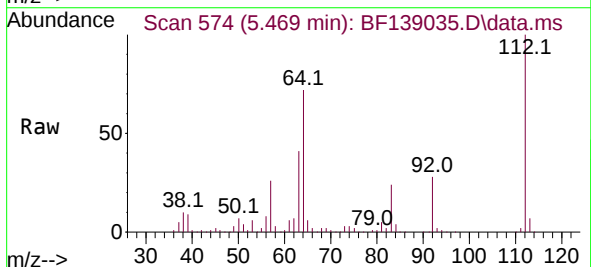


Tgt Ion:152 Resp: 41035  
Ion Ratio Lower Upper  
152 100  
150 154.1 126.0 189.0  
115 67.4 51.7 77.5



#5  
2-Fluorophenol  
Concen: 83.546 ng  
RT: 5.469 min Scan# 574  
Delta R.T. 0.000 min  
Lab File: BF139035.D  
Acq: 15 Aug 2024 21:45

Tgt Ion:112 Resp: 222091  
Ion Ratio Lower Upper  
112 100  
64 72.2 54.2 81.4  
63 41.2 28.7 43.1

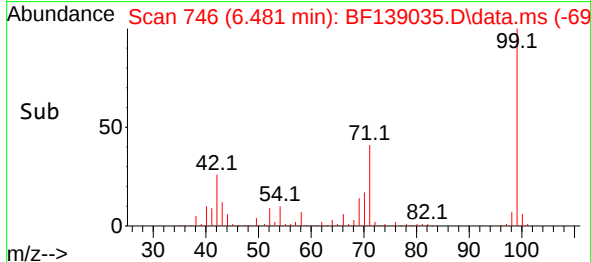
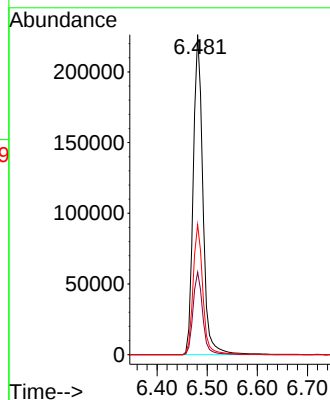
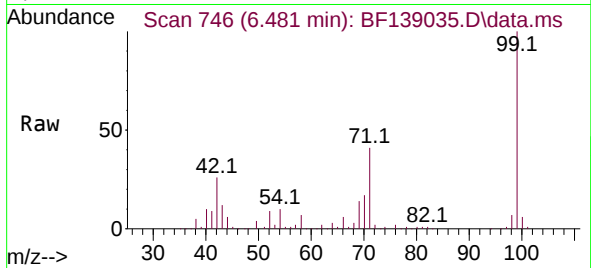




#7  
Phenol-d6  
Concen: 84.973 ng  
RT: 6.481 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: BF139035.D  
Acq: 15 Aug 2024 21:45

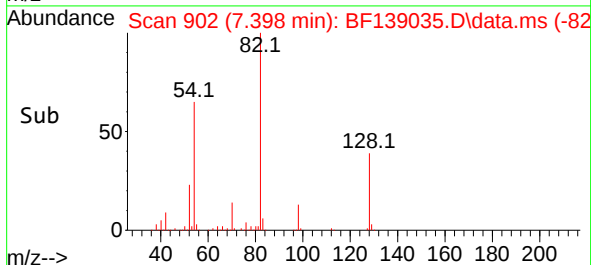
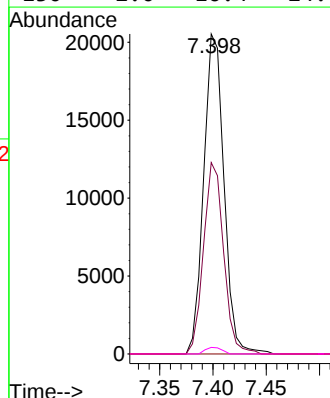
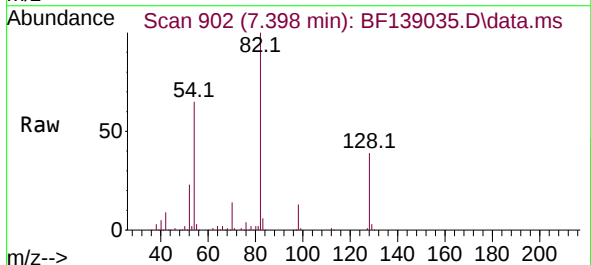
Instrument :  
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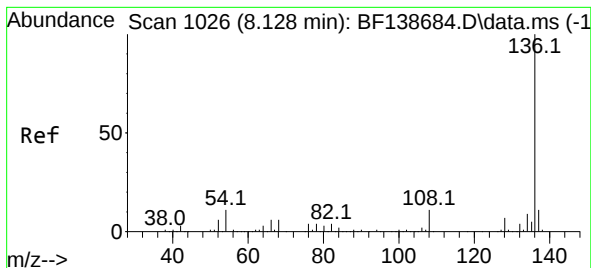
Tgt Ion: 99 Resp: 303274  
Ion Ratio Lower Upper  
99 100  
42 25.8 17.4 26.0  
71 40.6 28.1 42.1



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.635 ng  
RT: 7.398 min Scan# 902  
Delta R.T. 0.141 min  
Lab File: BF139035.D  
Acq: 15 Aug 2024 21:45

Tgt Ion: 70 Resp: 27237  
Ion Ratio Lower Upper  
70 100  
42 59.8 57.4 86.0  
101 0.0 7.5 11.3#  
130 2.0 16.4 24.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139035.D

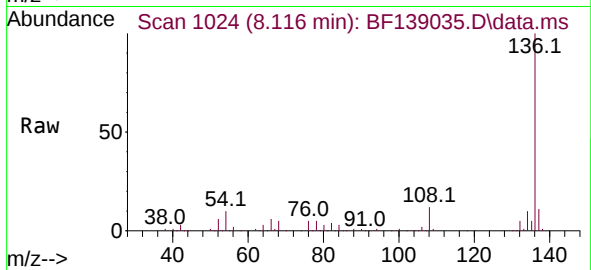
Acq: 15 Aug 2024 21:45

Instrument :

BNA\_F

ClientSampleId :

S-856-J-S0-1.5-2-080924



Tgt Ion:136 Resp: 161701

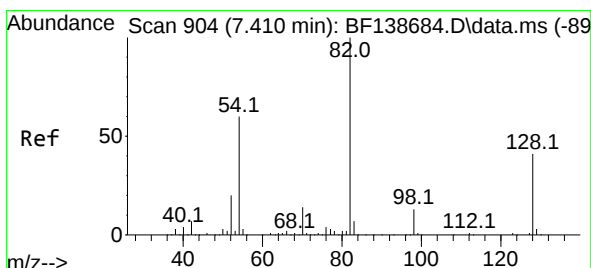
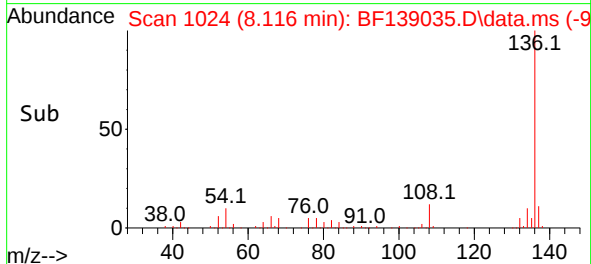
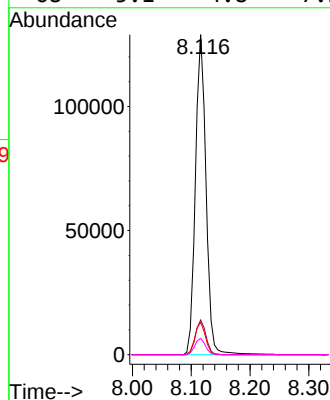
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 10.1 8.6 12.8

68 5.1 4.8 7.2



#23

Nitrobenzene-d5

Concen: 58.250 ng

RT: 7.398 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF139035.D

Acq: 15 Aug 2024 21:45

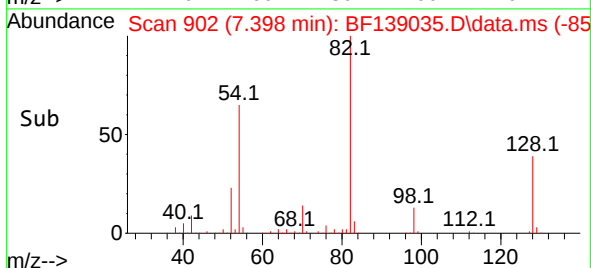
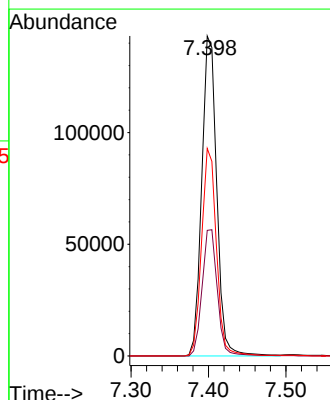
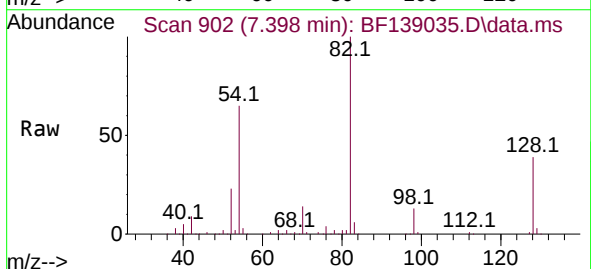
Tgt Ion: 82 Resp: 192654

Ion Ratio Lower Upper

82 100

128 39.2 32.8 49.2

54 64.9 48.3 72.5

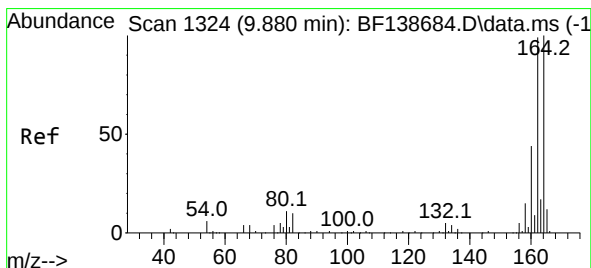
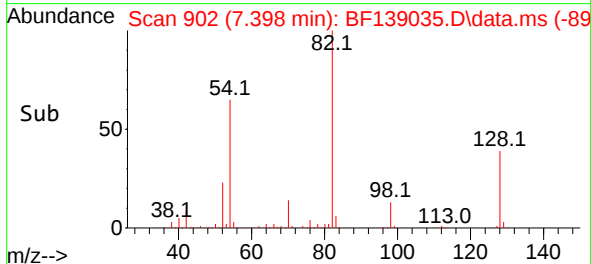
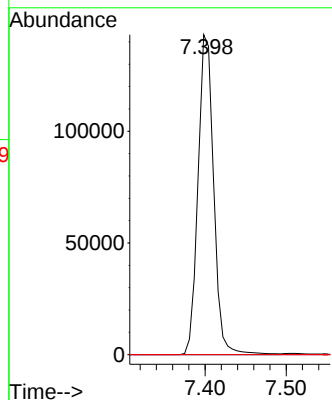
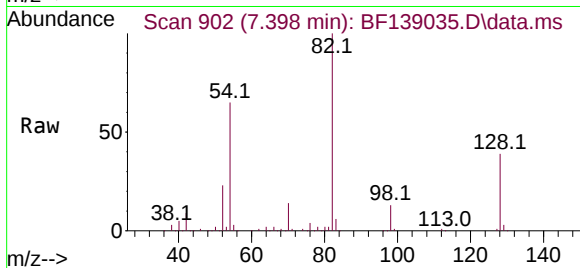




#25  
Isophorone  
Concen: 34.118 ng  
RT: 7.398 min Scan# 90  
Delta R.T. -0.271 min  
Lab File: BF139035.D  
Acq: 15 Aug 2024 21:45

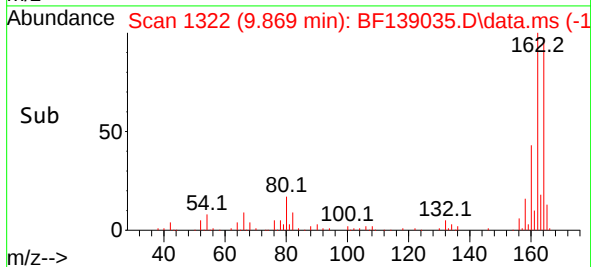
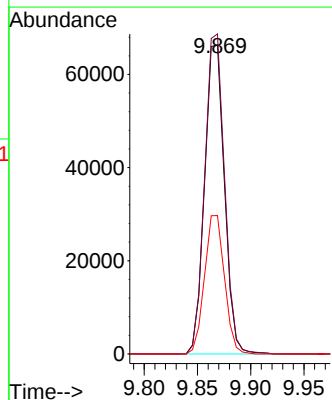
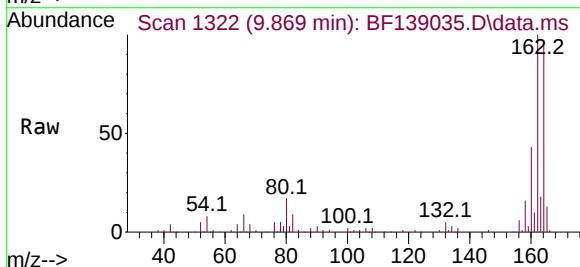
Instrument :  
BNA\_F  
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Tgt Ion: 82 Resp: 192678  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 13.7 20.5#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.869 min Scan# 1322  
Delta R.T. -0.011 min  
Lab File: BF139035.D  
Acq: 15 Aug 2024 21:45

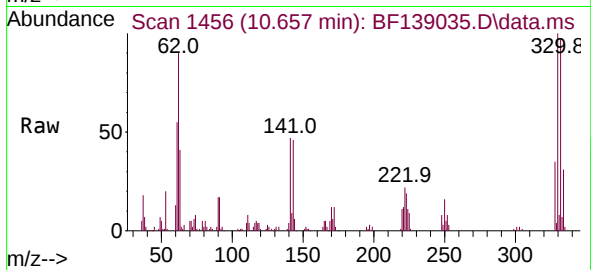
Tgt Ion: 164 Resp: 86063  
Ion Ratio Lower Upper  
164 100  
162 103.5 79.4 119.0  
160 44.8 35.1 52.7



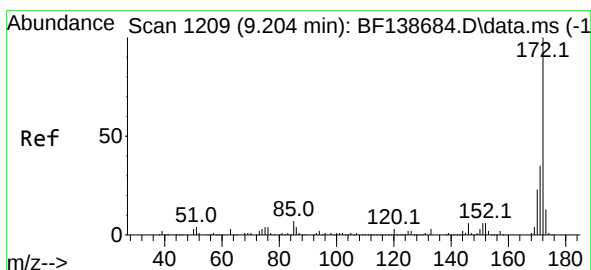
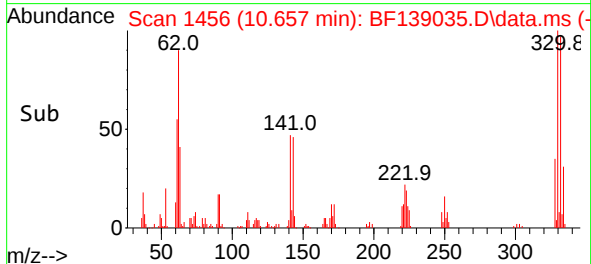
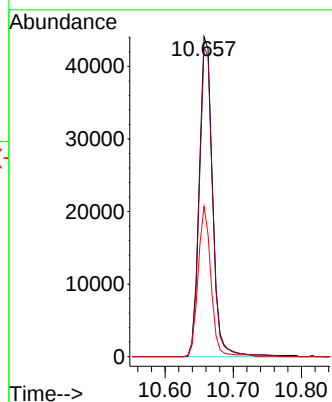


#42  
2,4,6-Tribromophenol  
Concen: 85.321 ng  
RT: 10.657 min Scan# 1458  
Delta R.T. -0.012 min  
Lab File: BF139035.D  
Acq: 15 Aug 2024 21:45

Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-S0-1.5-2-080924

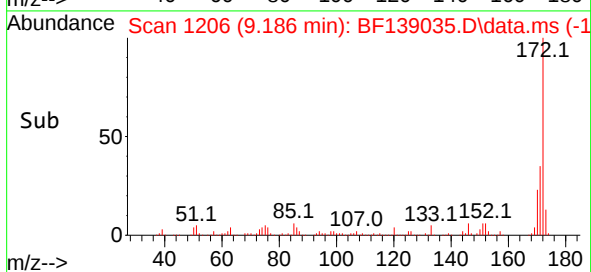
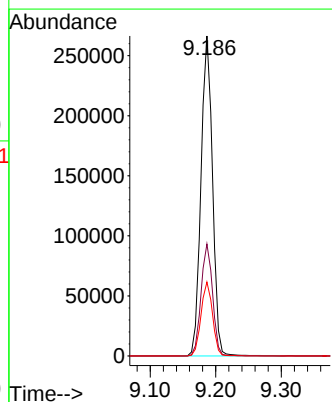
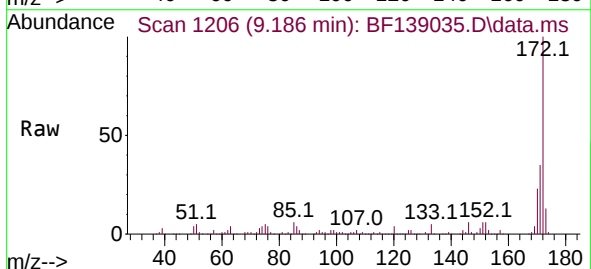


Tgt Ion:330 Resp: 60149  
Ion Ratio Lower Upper  
330 100  
332 96.4 76.4 114.6  
141 45.1 31.1 46.7



#45  
2-Fluorobiphenyl  
Concen: 57.082 ng  
RT: 9.186 min Scan# 1206  
Delta R.T. -0.018 min  
Lab File: BF139035.D  
Acq: 15 Aug 2024 21:45

Tgt Ion:172 Resp: 326965  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.3 42.5  
170 23.1 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 9.273 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.194 min

Lab File: BF139035.D

Acq: 15 Aug 2024 21:45

Instrument :

BNA\_F

ClientSampleId :

S-856-J-S0-1.5-2-080924

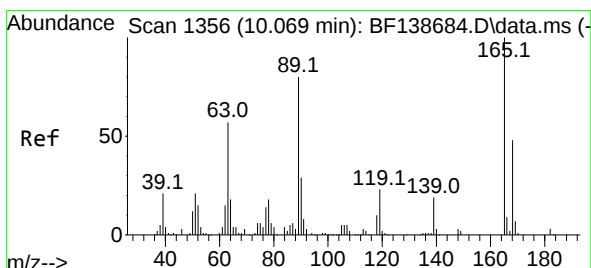
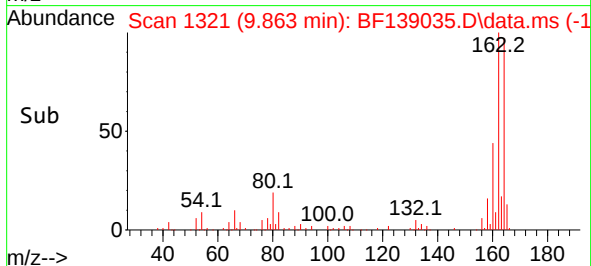
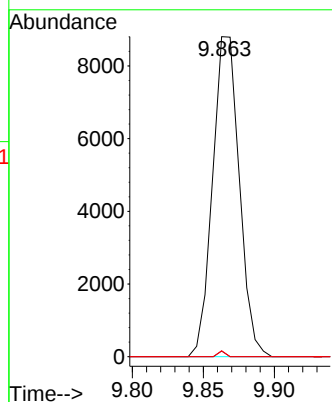
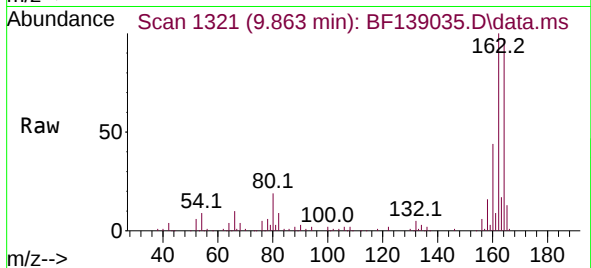
Tgt Ion:165 Resp: 11516

Ion Ratio Lower Upper

165 100

63 1.7 52.0 78.0#

89 1.9 47.0 70.6#



#57

2,4-Dinitrotoluene

Concen: 7.268 ng

RT: 9.863 min Scan# 1321

Delta R.T. -0.206 min

Lab File: BF139035.D

Acq: 15 Aug 2024 21:45

Tgt Ion:165 Resp: 11516

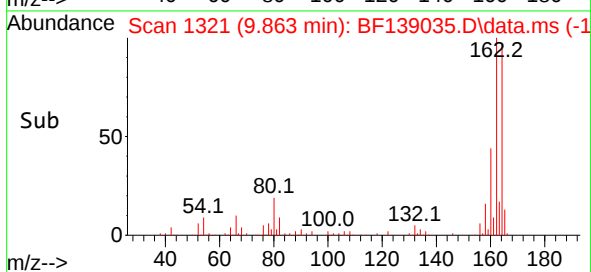
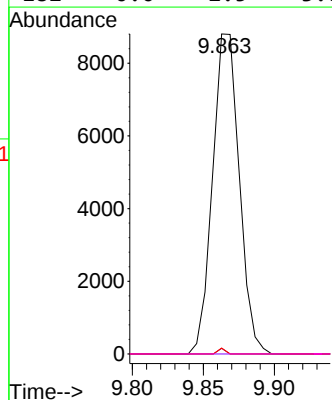
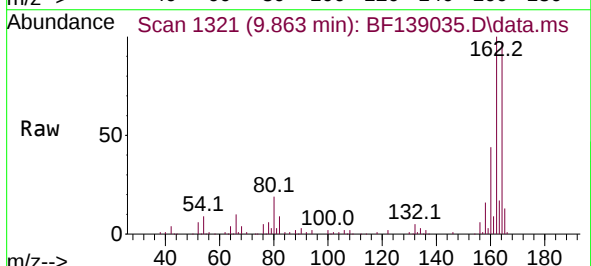
Ion Ratio Lower Upper

165 100

63 1.7 46.3 69.5#

89 1.9 64.2 96.4#

182 0.0 2.5 3.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139035.D

Acq: 15 Aug 2024 21:45

Instrument :

BNA\_F

ClientSampleId :

S-856-J-S0-1.5-2-080924

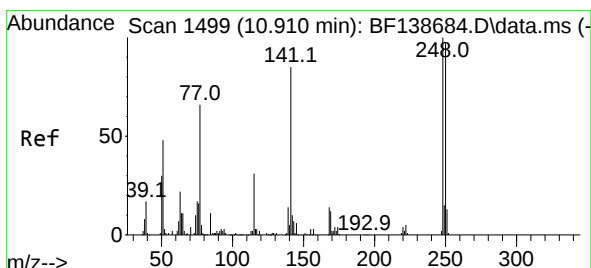
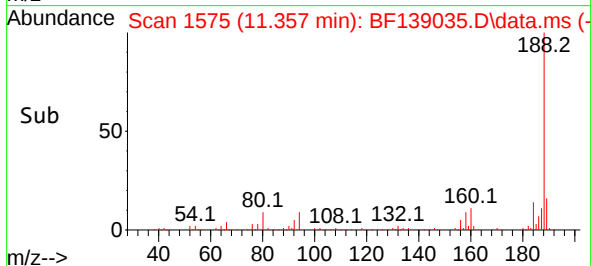
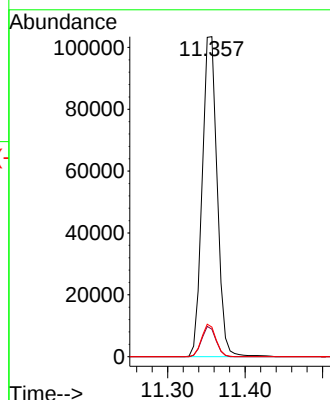
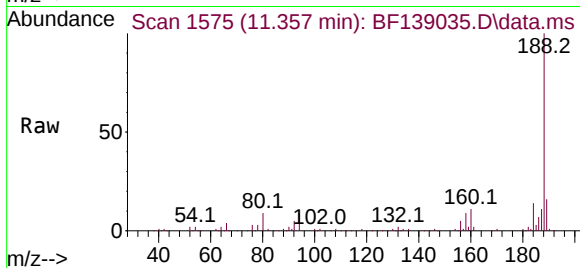
Tgt Ion:188 Resp: 138803

Ion Ratio Lower Upper

188 100

94 8.6 7.6 11.4

80 9.3 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 2.898 ng

RT: 10.657 min Scan# 1456

Delta R.T. -0.253 min

Lab File: BF139035.D

Acq: 15 Aug 2024 21:45

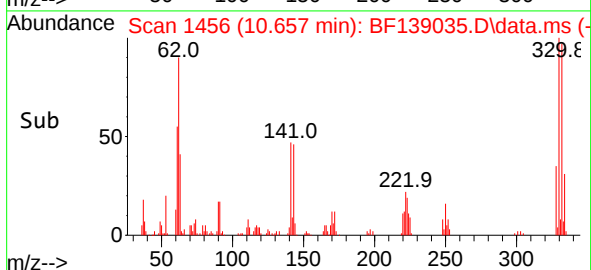
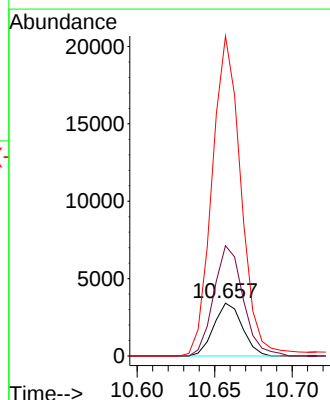
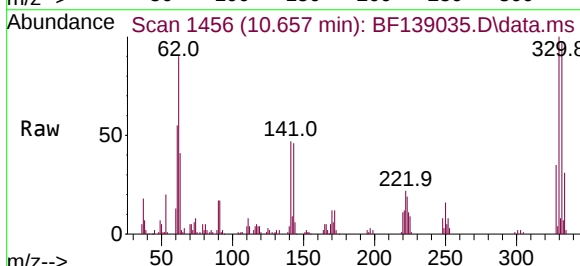
Tgt Ion:248 Resp: 4355

Ion Ratio Lower Upper

248 100

250 208.8 77.7 116.5#

141 605.9 68.0 102.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF139035.D

Acq: 15 Aug 2024 21:45

Instrument :

BNA\_F

ClientSampleId :

S-856-J-S0-1.5-2-080924

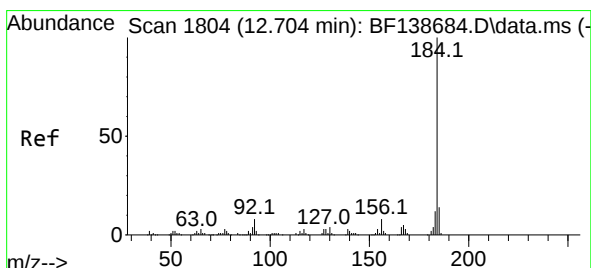
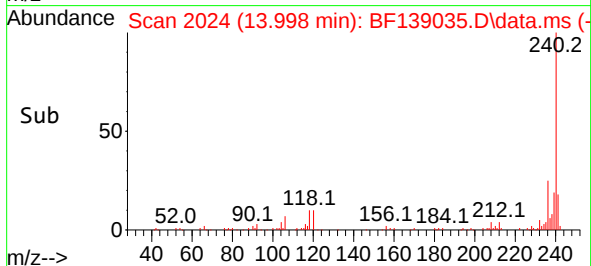
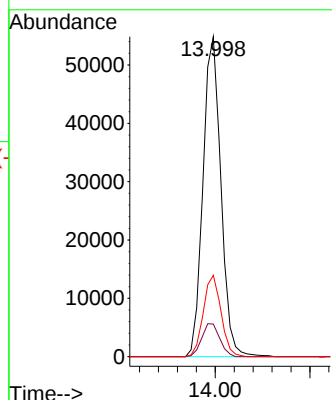
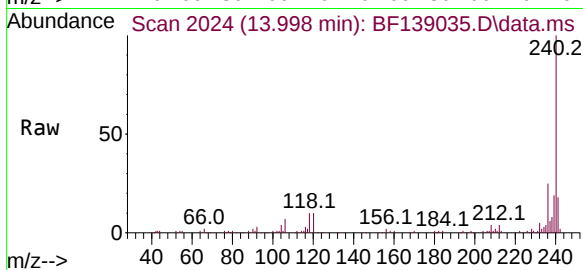
Tgt Ion:240 Resp: 72129

Ion Ratio Lower Upper

240 100

120 10.2 10.2 15.4#

236 25.5 19.8 29.8



#77

Benzdine

Concen: 2.358 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.229 min

Lab File: BF139035.D

Acq: 15 Aug 2024 21:45

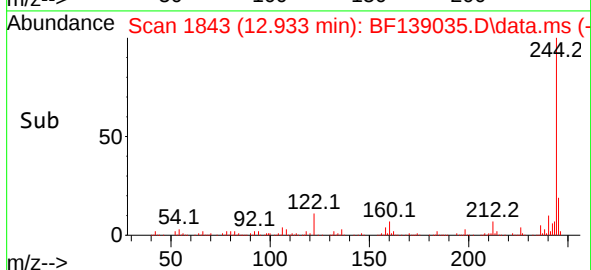
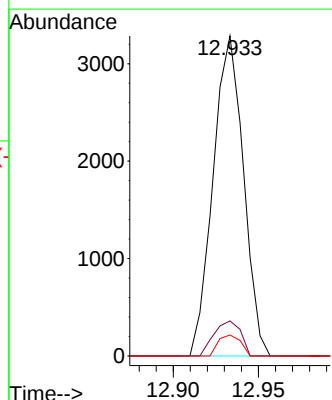
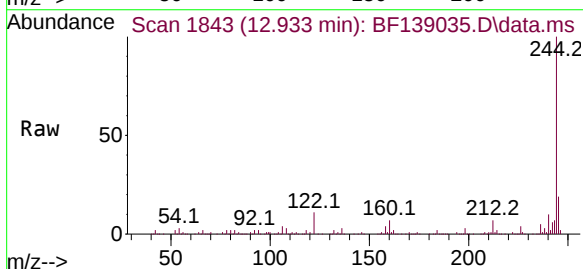
Tgt Ion:184 Resp: 4068

Ion Ratio Lower Upper

184 100

185 11.0 11.1 16.7#

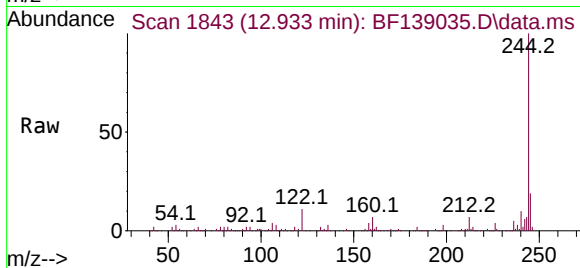
183 6.5 9.6 14.4#



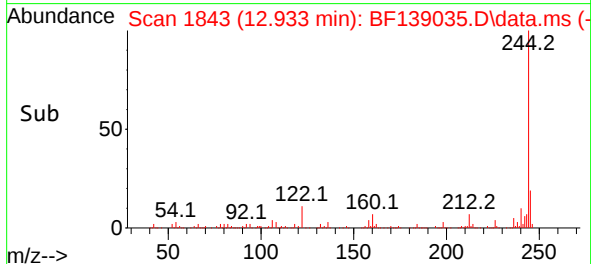
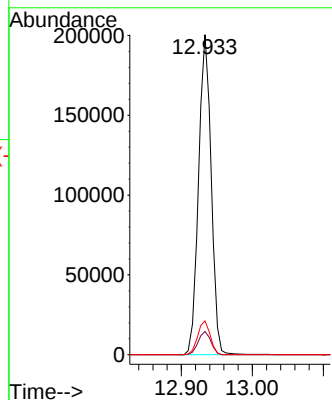


#79  
 Terphenyl-d14  
 Concen: 57.536 ng  
 RT: 12.933 min Scan# 1843  
 Delta R.T. -0.012 min  
 Lab File: BF139035.D  
 Acq: 15 Aug 2024 21:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-856-J-S0-1.5-2-080924



Tgt Ion:244 Resp: 247871  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.4 8.2  
 122 10.6 9.6 14.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.463 min Scan# 2273  
 Delta R.T. -0.006 min  
 Lab File: BF139035.D  
 Acq: 15 Aug 2024 21:45

Tgt Ion:264 Resp: 77999  
 Ion Ratio Lower Upper  
 264 100  
 260 22.1 19.0 28.6  
 265 20.7 17.0 25.6

