

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020724\  
 Data File : BF137331.D  
 Acq On : 07 Feb 2024 20:33  
 Operator : CG\JU  
 Sample : P1365-03  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FB-20240201

Quant Time: Feb 08 01:10:26 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 31 04:56:22 2024  
 Response via : Initial Calibration

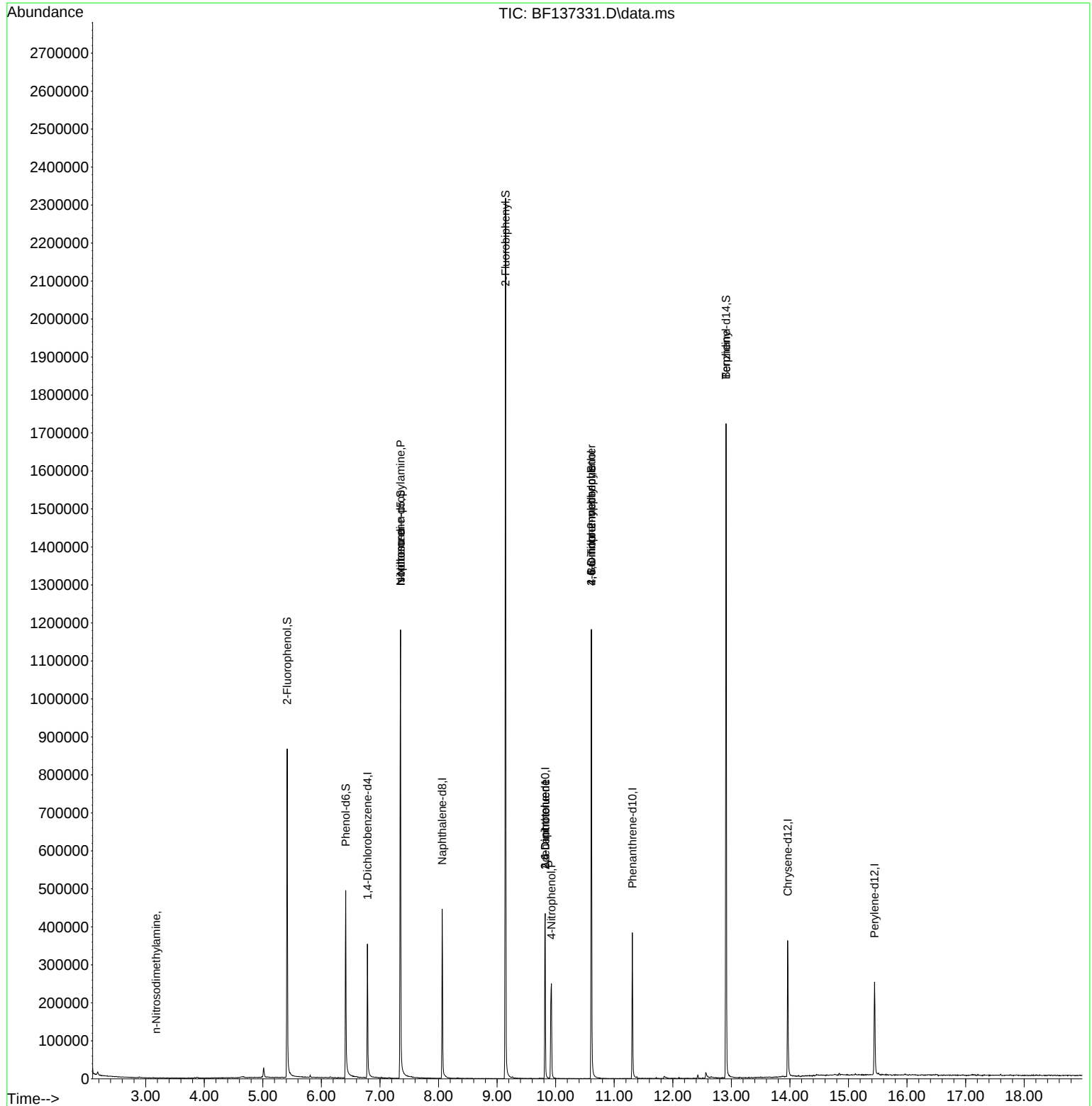
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.787  | 152  | 48766    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.063  | 136  | 182952   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.822  | 164  | 92189    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.310 | 188  | 148091   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.963 | 240  | 131903   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.445 | 264  | 120337   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.416  | 112  | 212792   | 72.002  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.416  | 99   | 157179   | 37.267  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 400796   | 98.082  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.610 | 330  | 133293   | 128.026 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 661893   | 98.698  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.910 | 244  | 629018   | 64.829  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 4) n-Nitrosodimethylamine     | 3.181  | 42   | 54       | 6.089   | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 7.351  | 70   | 53771    | 18.594  | ng    | # 78     |
| 25) Isophorone                | 7.351  | 82   | 400793   | 53.137  | ng    | # 67     |
| 51) 2,6-Dinitrotoluene        | 9.822  | 165  | 12064    | 9.084   | ng    | # 18     |
| 56) 4-Nitrophenol             | 9.928  | 139  | 231      | 8.703   | ng    | # 1      |
| 57) 2,4-Dinitrotoluene        | 9.822  | 165  | 12064    | 7.001   | ng    | # 16     |
| 65) 4,6-Dinitro-2-methylph... | 10.610 | 198  | 265      | 5.754   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.610 | 248  | 9100     | 5.588   | ng    | # 1      |
| 77) Benzidine                 | 12.910 | 184  | 7974     | 3.376   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

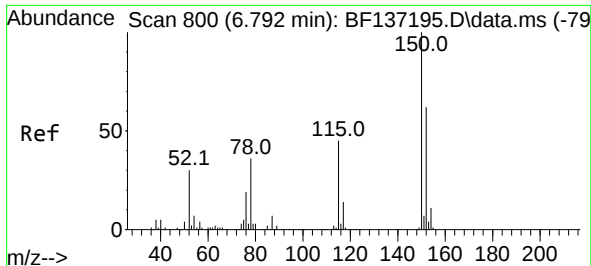
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020724\  
Data File : BF137331.D  
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Sample : P1365-03  
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Instrument :  
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Quant Time: Feb 08 01:10:26 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 31 04:56:22 2024  
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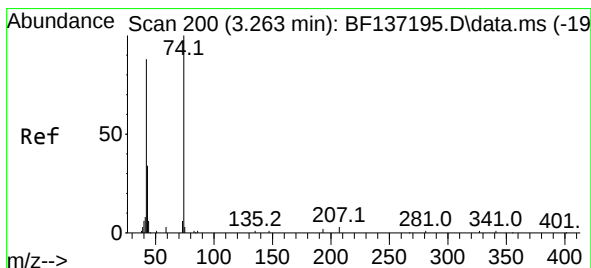
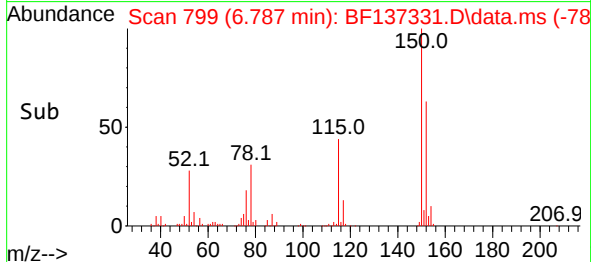
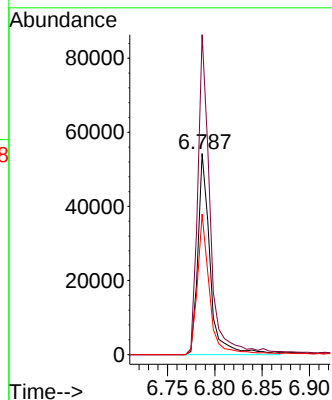
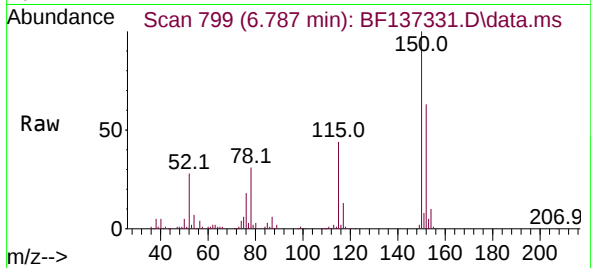




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.787 min Scan# 79  
Delta R.T. -0.005 min  
Lab File: BF137331.D  
Acq: 07 Feb 2024 20:33

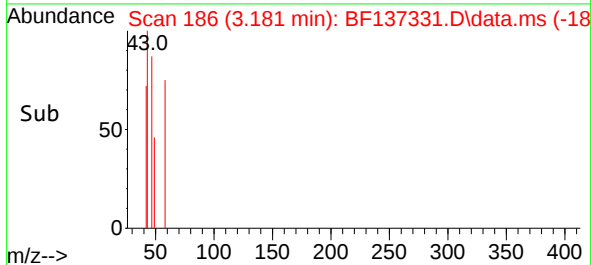
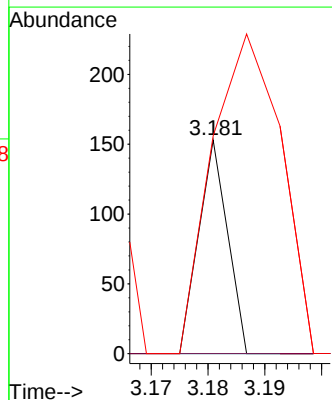
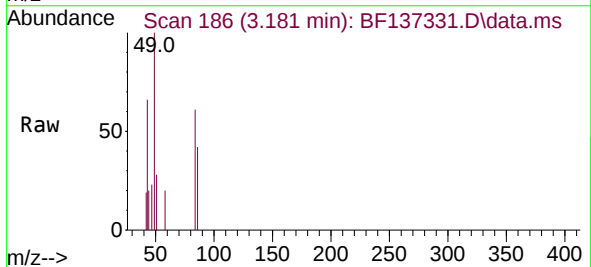
Instrument :  
BNA\_F  
ClientSampleId :  
FB-20240201

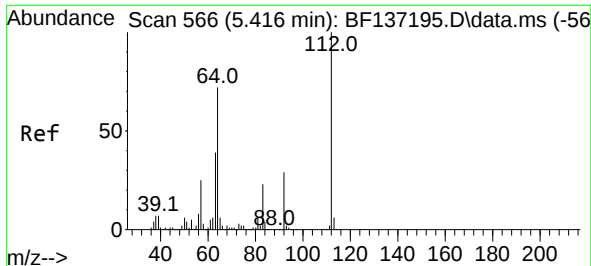
Tgt Ion:152 Resp: 48766  
Ion Ratio Lower Upper  
152 100  
150 159.1 129.8 194.8  
115 69.8 58.5 87.7



#4  
n-Nitrosodimethylamine  
Concen: 6.089 ng  
RT: 3.181 min Scan# 186  
Delta R.T. -0.082 min  
Lab File: BF137331.D  
Acq: 07 Feb 2024 20:33

Tgt Ion: 42 Resp: 54  
Ion Ratio Lower Upper  
42 100  
74 0.0 90.5 135.7#  
44 102.0 6.1 9.1#

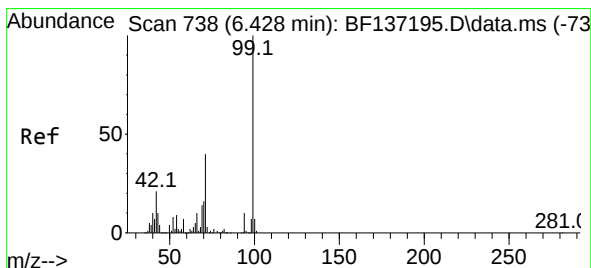
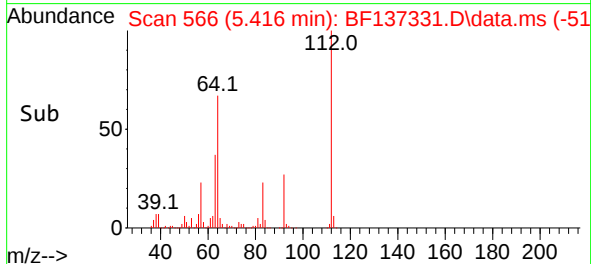
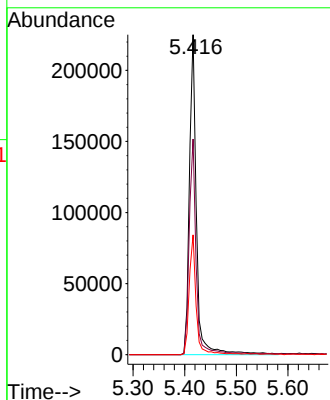
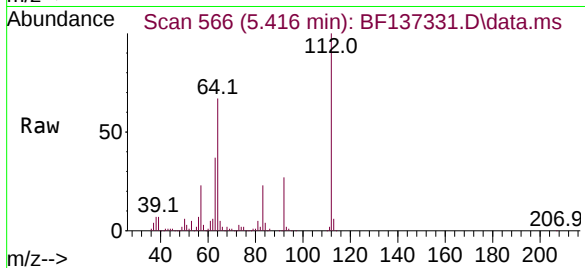




#5  
2-Fluorophenol  
Concen: 72.002 ng  
RT: 5.416 min Scan# 501  
Delta R.T. 0.000 min  
Lab File: BF137331.D  
Acq: 07 Feb 2024 20:33

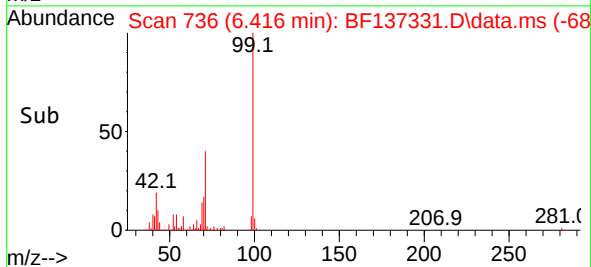
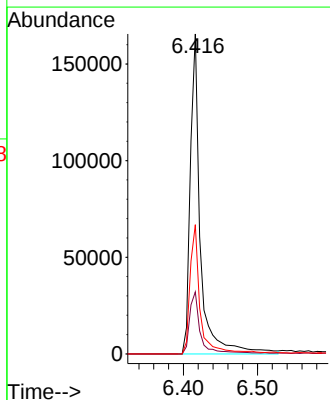
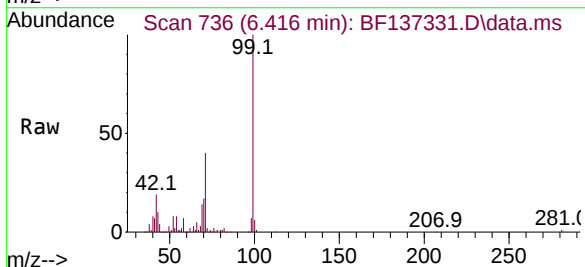
Instrument :  
BNA\_F  
ClientSampleId :  
FB-20240201

Tgt Ion:112 Resp: 212792  
Ion Ratio Lower Upper  
112 100  
64 67.4 57.8 86.6  
63 37.4 31.4 47.0



#7  
Phenol-d6  
Concen: 37.267 ng  
RT: 6.416 min Scan# 736  
Delta R.T. -0.012 min  
Lab File: BF137331.D  
Acq: 07 Feb 2024 20:33

Tgt Ion: 99 Resp: 157179  
Ion Ratio Lower Upper  
99 100  
42 19.4 16.4 24.6  
71 40.4 32.4 48.6





#19

n-Nitroso-di-n-propylamine

Concen: 18.594 ng

RT: 7.351 min Scan# 89

Delta R.T. 0.141 min

Lab File: BF137331.D

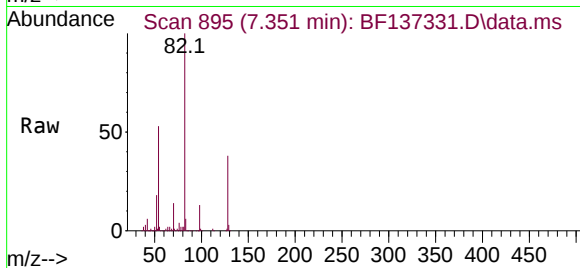
Acq: 07 Feb 2024 20:33

Instrument :

BNA\_F

ClientSampleId :

FB-20240201



Tgt Ion: 70 Resp: 53771

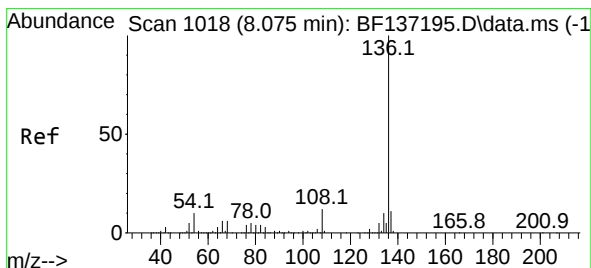
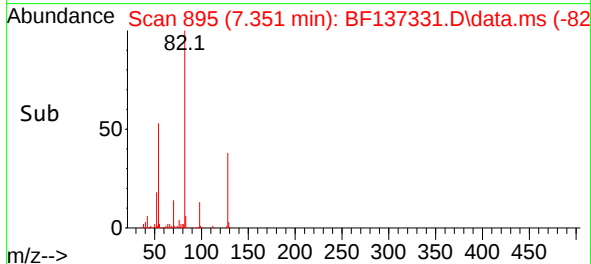
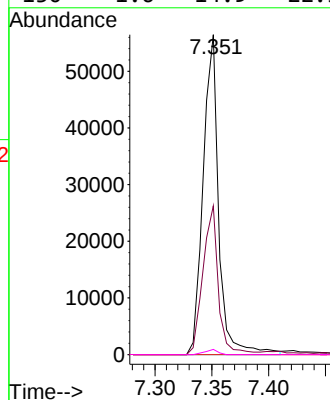
Ion Ratio Lower Upper

70 100

42 46.5 47.2 70.8#

101 0.0 7.4 11.0#

130 1.6 14.9 22.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1016

Delta R.T. -0.012 min

Lab File: BF137331.D

Acq: 07 Feb 2024 20:33

Tgt Ion: 136 Resp: 182952

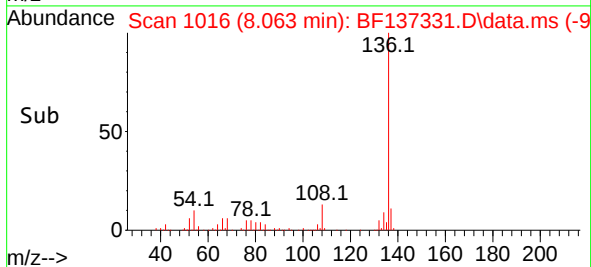
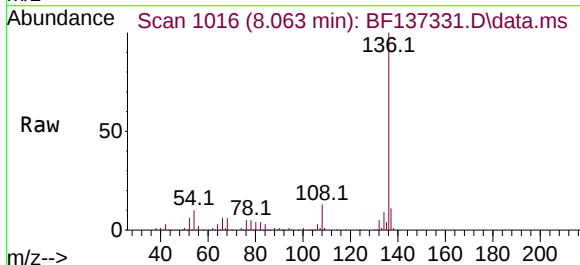
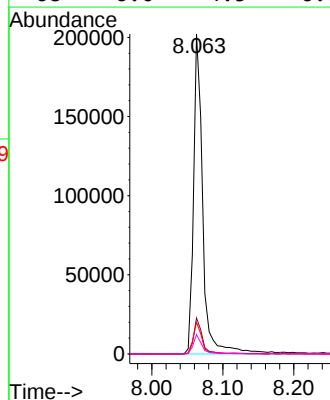
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.9 7.8 11.8

68 6.0 4.5 6.7

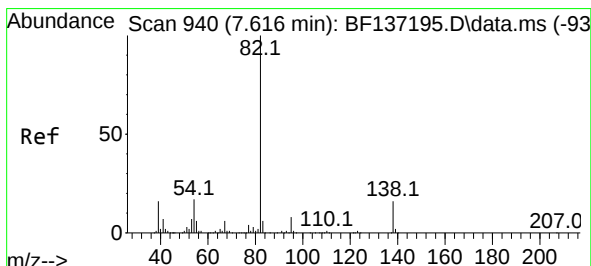
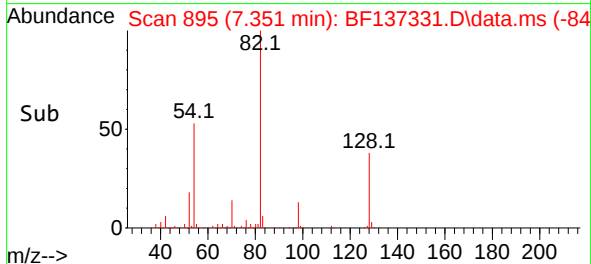
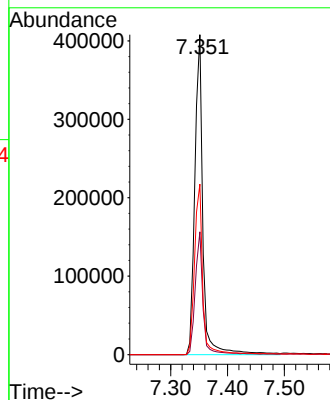
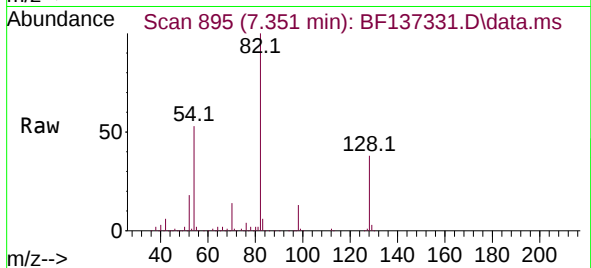




#23  
Nitrobenzene-d5  
Concen: 98.082 ng  
RT: 7.351 min Scan# 895  
Delta R.T. -0.006 min  
Lab File: BF137331.D  
Acq: 07 Feb 2024 20:33

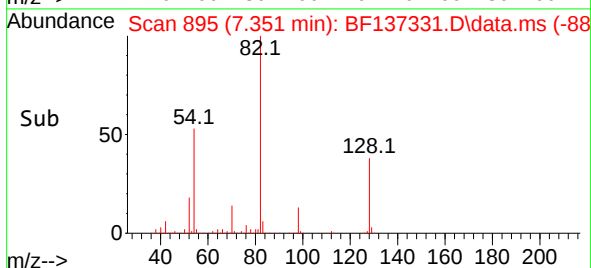
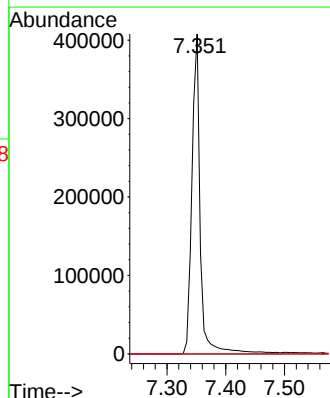
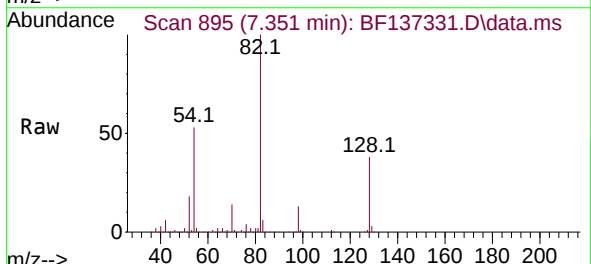
Instrument :  
BNA\_F  
ClientSampleId :  
FB-20240201

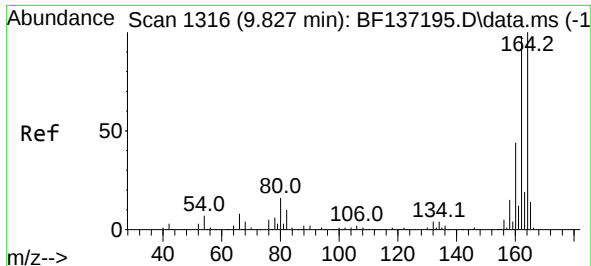
Tgt Ion: 82 Resp: 400796  
Ion Ratio Lower Upper  
82 100  
128 38.4 29.1 43.7  
54 53.3 45.0 67.6



#25  
Isophorone  
Concen: 53.137 ng  
RT: 7.351 min Scan# 895  
Delta R.T. -0.265 min  
Lab File: BF137331.D  
Acq: 07 Feb 2024 20:33

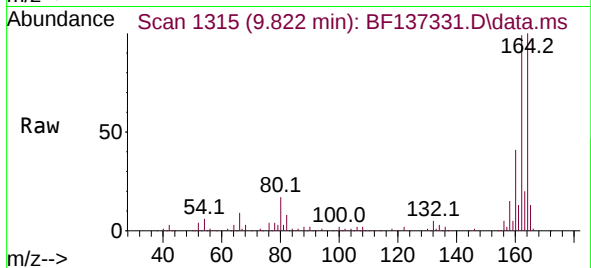
Tgt Ion: 82 Resp: 400793  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.4 9.6#  
138 0.0 12.7 19.1#



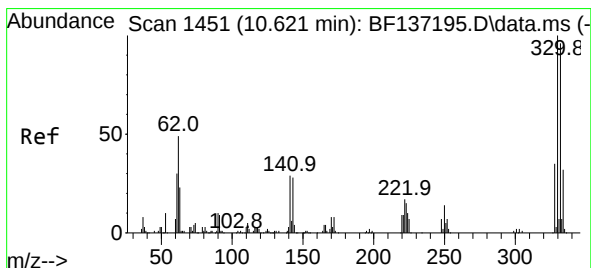
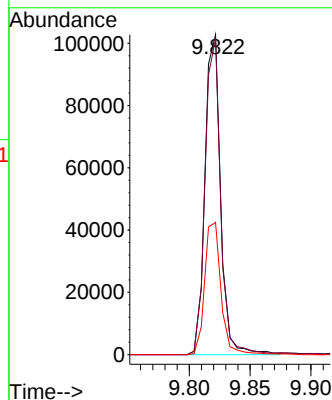
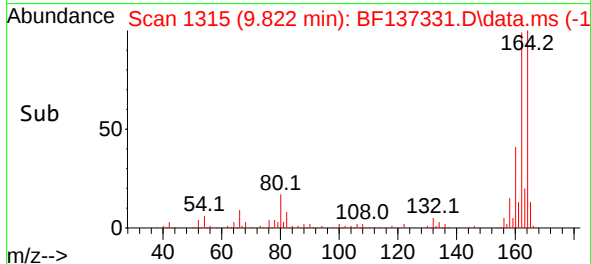


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.822 min Scan# 1316  
Delta R.T. -0.005 min  
Lab File: BF137331.D  
Acq: 07 Feb 2024 20:33

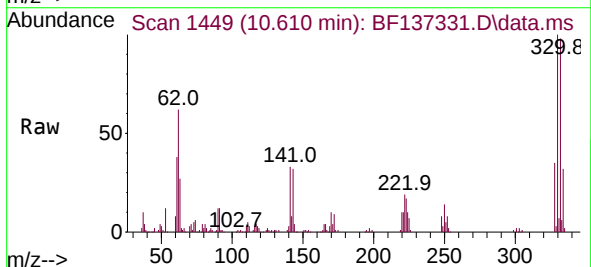
Instrument :  
BNA\_F  
ClientSampleId :  
FB-20240201



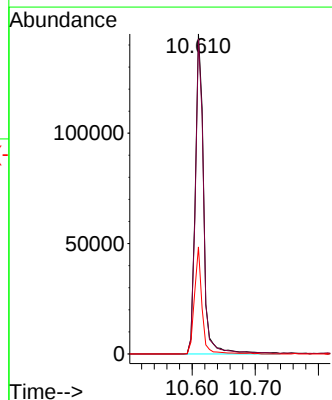
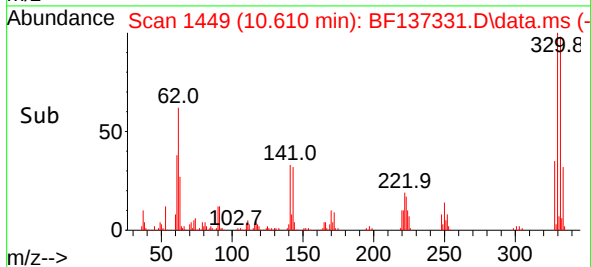
Tgt Ion:164 Resp: 92189  
Ion Ratio Lower Upper  
164 100  
162 98.7 78.3 117.5  
160 41.3 35.4 53.2

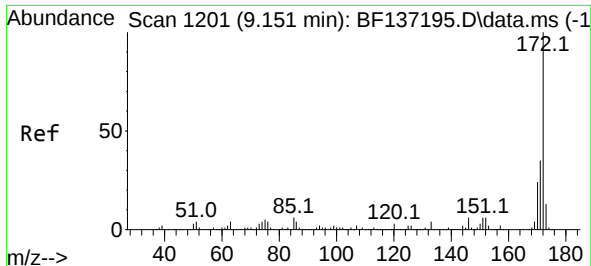


#42  
2,4,6-Tribromophenol  
Concen: 128.026 ng  
RT: 10.610 min Scan# 1449  
Delta R.T. -0.012 min  
Lab File: BF137331.D  
Acq: 07 Feb 2024 20:33



Tgt Ion:330 Resp: 133293  
Ion Ratio Lower Upper  
330 100  
332 97.5 77.3 115.9  
141 30.3 25.2 37.8





#45

2-Fluorobiphenyl

Concen: 98.698 ng

RT: 9.145 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137331.D

Acq: 07 Feb 2024 20:33

Instrument :

BNA\_F

ClientSampleId :

FB-20240201

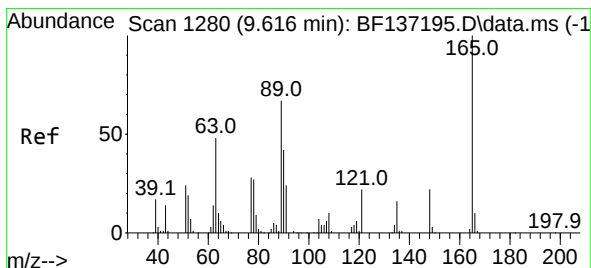
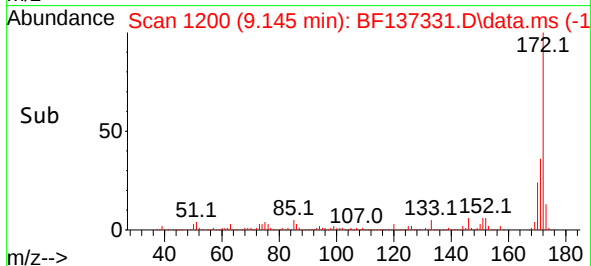
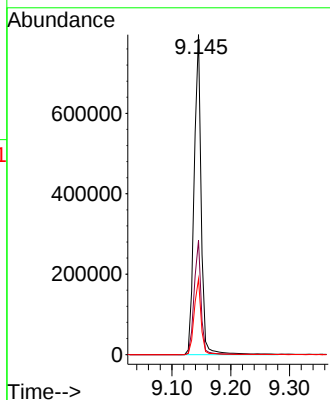
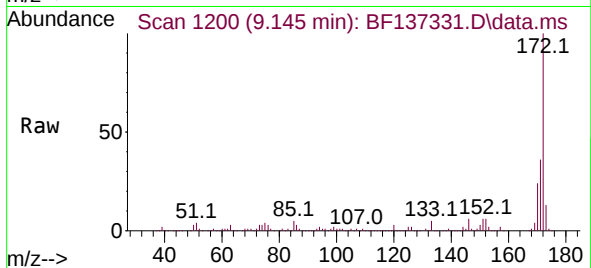
Tgt Ion:172 Resp: 661893

Ion Ratio Lower Upper

172 100

171 35.7 28.3 42.5

170 23.6 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 9.084 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.206 min

Lab File: BF137331.D

Acq: 07 Feb 2024 20:33

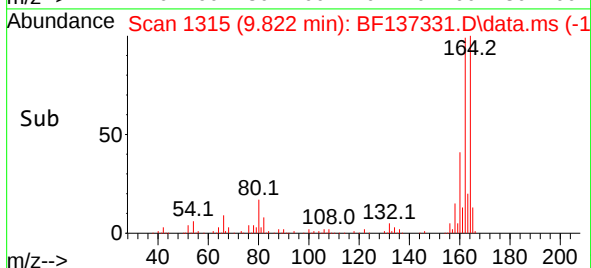
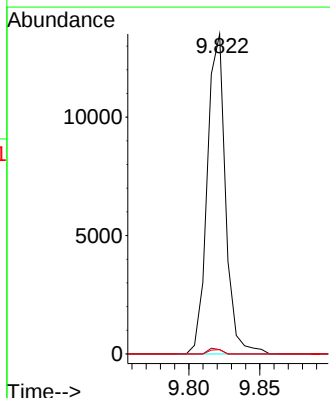
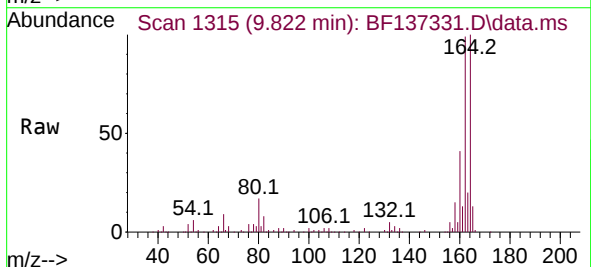
Tgt Ion:165 Resp: 12064

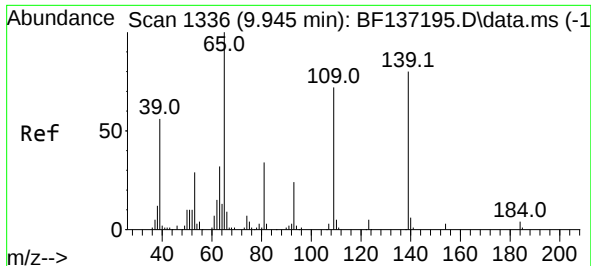
Ion Ratio Lower Upper

165 100

63 1.3 55.1 82.7#

89 1.3 53.5 80.3#

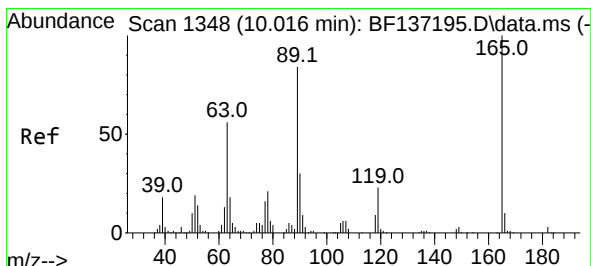
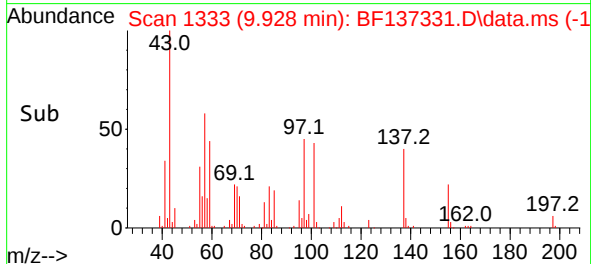
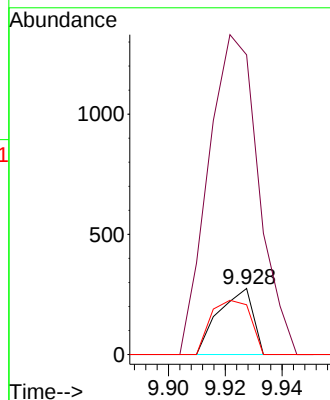
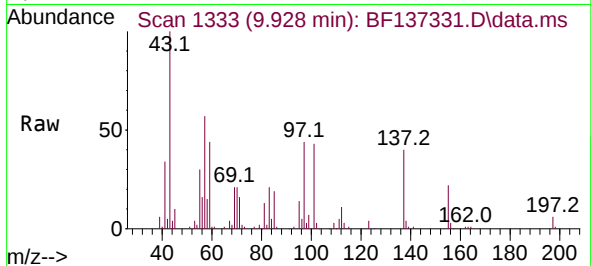




#56  
4-Nitrophenol  
Concen: 8.703 ng  
RT: 9.928 min Scan# 1336  
Delta R.T. -0.017 min  
Lab File: BF137331.D  
Acq: 07 Feb 2024 20:33

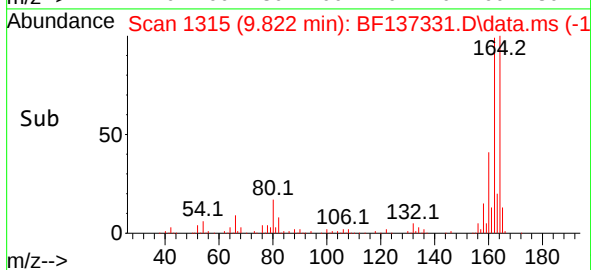
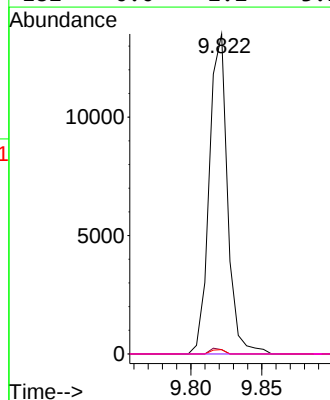
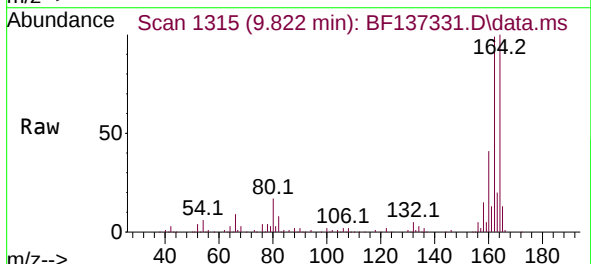
Instrument :  
BNA\_F  
ClientSampleId :  
FB-20240201

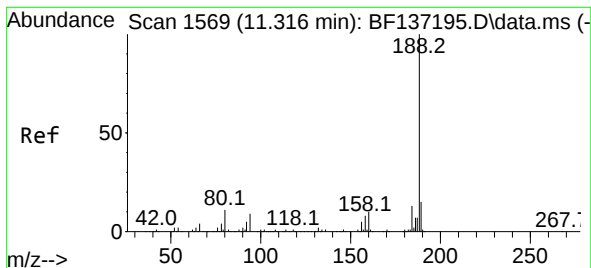
Tgt Ion:139 Resp: 231  
Ion Ratio Lower Upper  
139 100  
109 453.5 70.4 110.4#  
65 75.3 107.6 147.6#



#57  
2,4-Dinitrotoluene  
Concen: 7.001 ng  
RT: 9.822 min Scan# 1315  
Delta R.T. -0.194 min  
Lab File: BF137331.D  
Acq: 07 Feb 2024 20:33

Tgt Ion:165 Resp: 12064  
Ion Ratio Lower Upper  
165 100  
63 1.3 46.1 69.1#  
89 1.3 67.5 101.3#  
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137331.D

Acq: 07 Feb 2024 20:33

Instrument :

BNA\_F

ClientSampleId :

FB-20240201

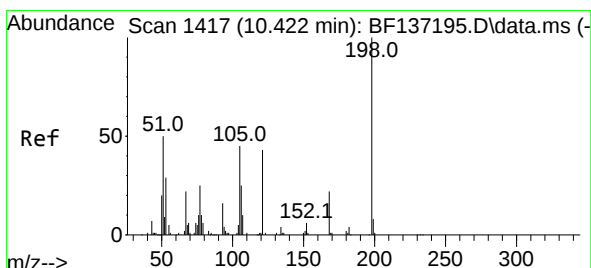
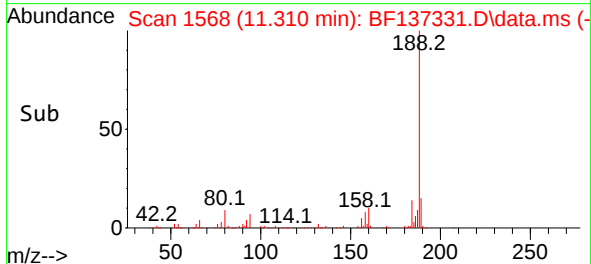
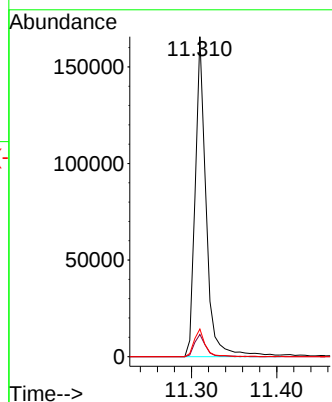
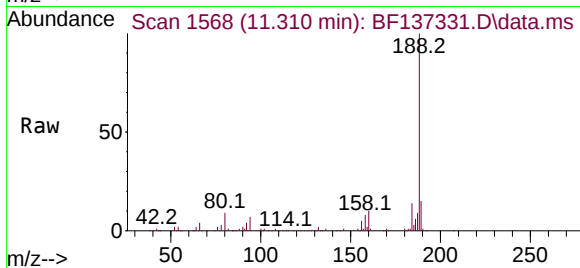
Tgt Ion:188 Resp: 148091

Ion Ratio Lower Upper

188 100

94 6.9 7.0 10.4#

80 8.6 8.8 13.2#



#65

4,6-Dinitro-2-methylphenol

Concen: 5.754 ng

RT: 10.610 min Scan# 1449

Delta R.T. 0.188 min

Lab File: BF137331.D

Acq: 07 Feb 2024 20:33

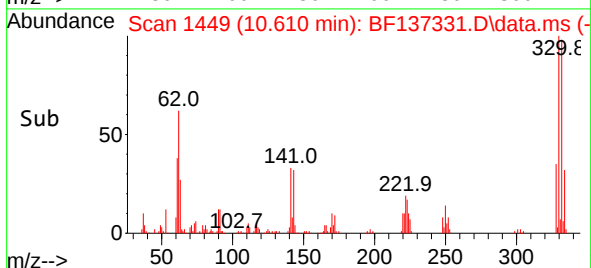
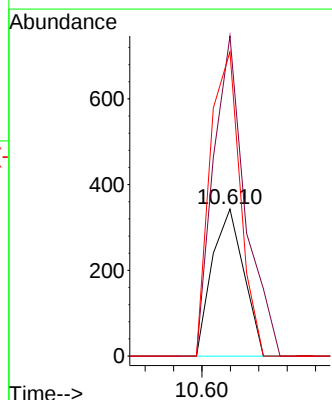
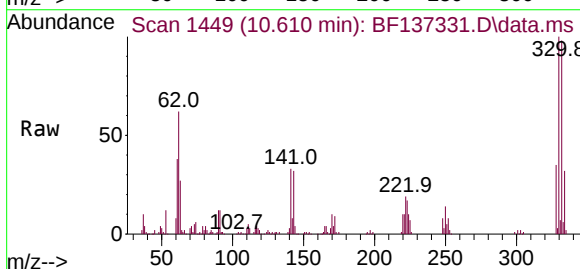
Tgt Ion:198 Resp: 265

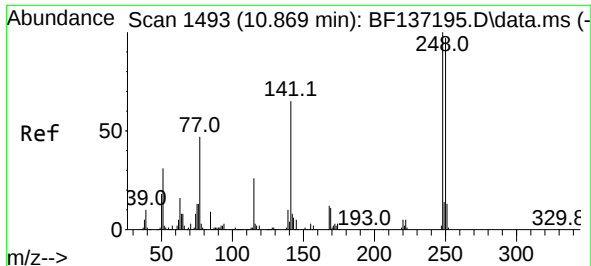
Ion Ratio Lower Upper

198 100

51 217.8 40.9 80.9#

105 207.0 26.5 66.5#

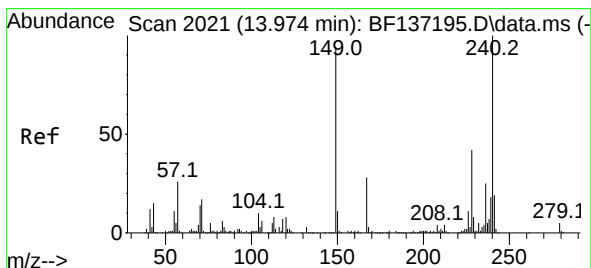
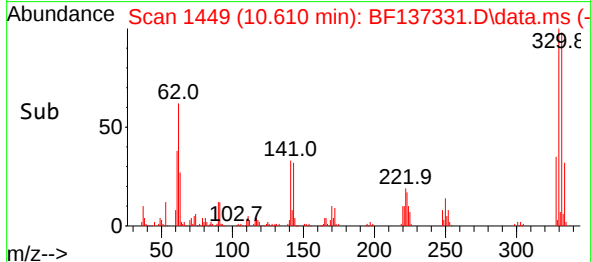
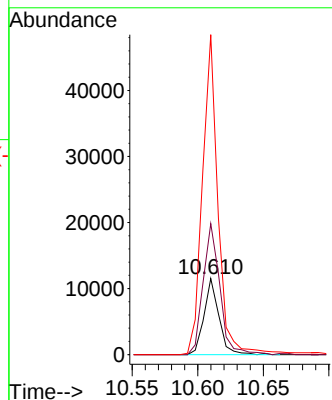
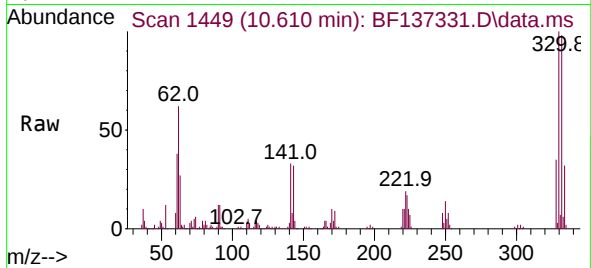




#67  
4-Bromophenyl-phenylether  
Concen: 5.588 ng  
RT: 10.610 min Scan# 1493  
Delta R.T. -0.259 min  
Lab File: BF137331.D  
Acq: 07 Feb 2024 20:33

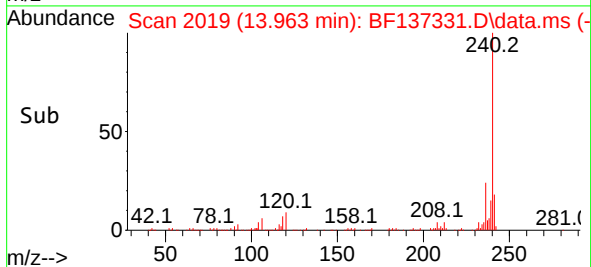
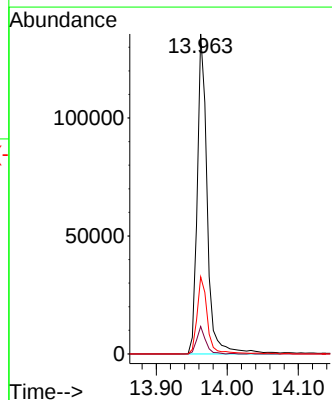
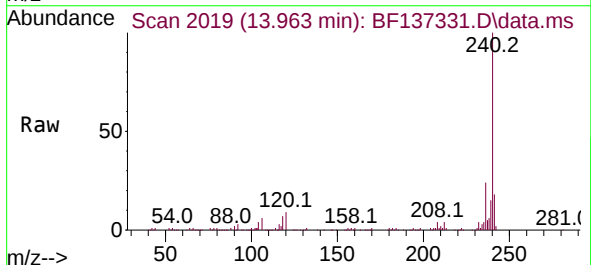
Instrument :  
BNA\_F  
ClientSampleId :  
FB-20240201

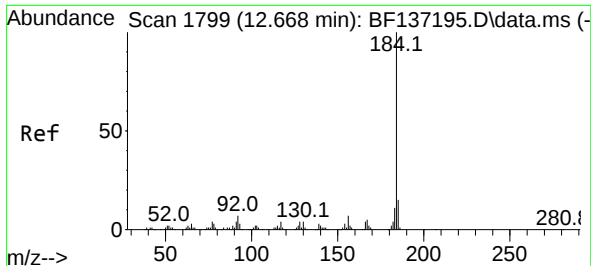
Tgt Ion:248 Resp: 9100  
Ion Ratio Lower Upper  
248 100  
250 172.0 77.7 116.5#  
141 420.2 51.6 77.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.963 min Scan# 2019  
Delta R.T. -0.012 min  
Lab File: BF137331.D  
Acq: 07 Feb 2024 20:33

Tgt Ion:240 Resp: 131903  
Ion Ratio Lower Upper  
240 100  
120 8.6 6.3 9.5  
236 24.1 20.3 30.5

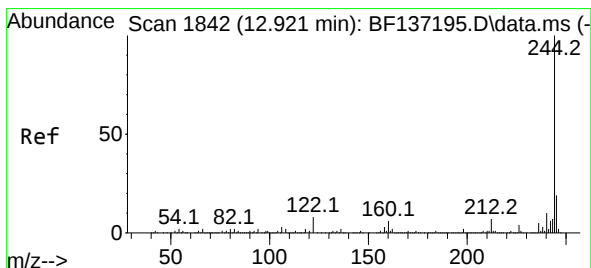
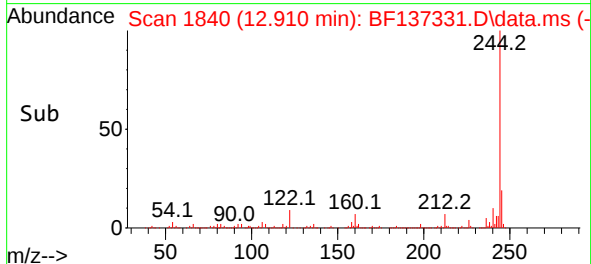
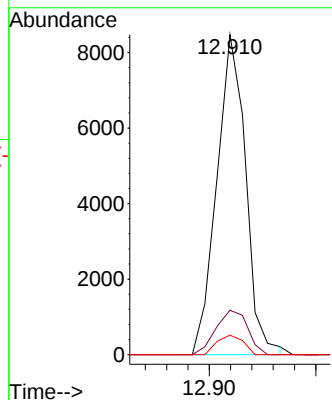
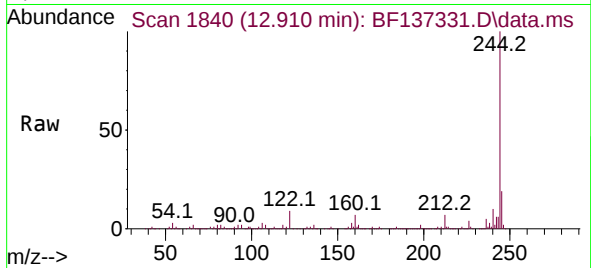




#77  
Benzidine  
Concen: 3.376 ng  
RT: 12.910 min Scan# 1840  
Delta R.T. 0.242 min  
Lab File: BF137331.D  
Acq: 07 Feb 2024 20:33

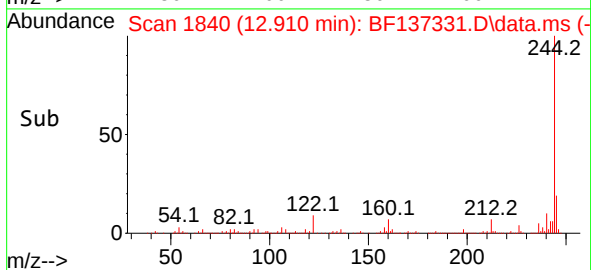
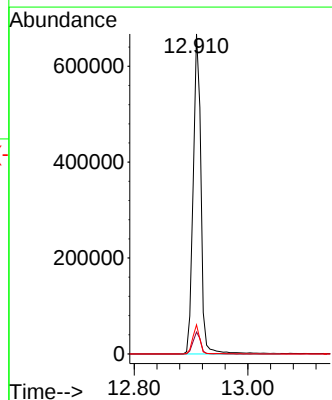
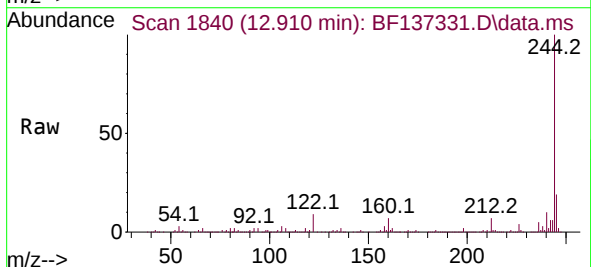
Instrument :  
BNA\_F  
ClientSampleId :  
FB-20240201

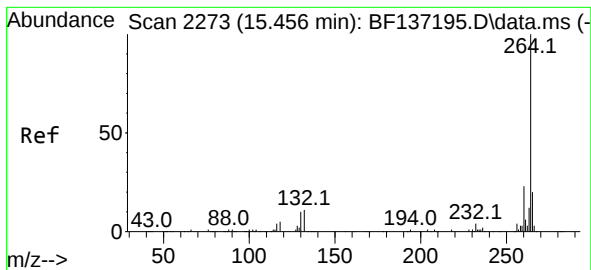
Tgt Ion:184 Resp: 7974  
Ion Ratio Lower Upper  
184 100  
185 13.9 11.9 17.9  
183 6.1 8.8 13.2#



#79  
Terphenyl-d14  
Concen: 64.829 ng  
RT: 12.910 min Scan# 1840  
Delta R.T. -0.012 min  
Lab File: BF137331.D  
Acq: 07 Feb 2024 20:33

Tgt Ion:244 Resp: 629018  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.5 8.3  
122 9.1 6.2 9.4





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.445 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF137331.D  
Acq: 07 Feb 2024 20:33

Instrument :  
BNA\_F  
ClientSampleId :  
FB-20240201

Tgt Ion:264 Resp: 120337  
Ion Ratio Lower Upper  
264 100  
260 22.3 18.2 27.4  
265 21.1 16.2 24.2

