

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020624\  
 Data File : BF137309.D  
 Acq On : 06 Feb 2024 23:47  
 Operator : CG\JU  
 Sample : P1362-08  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 07 01:09:16 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

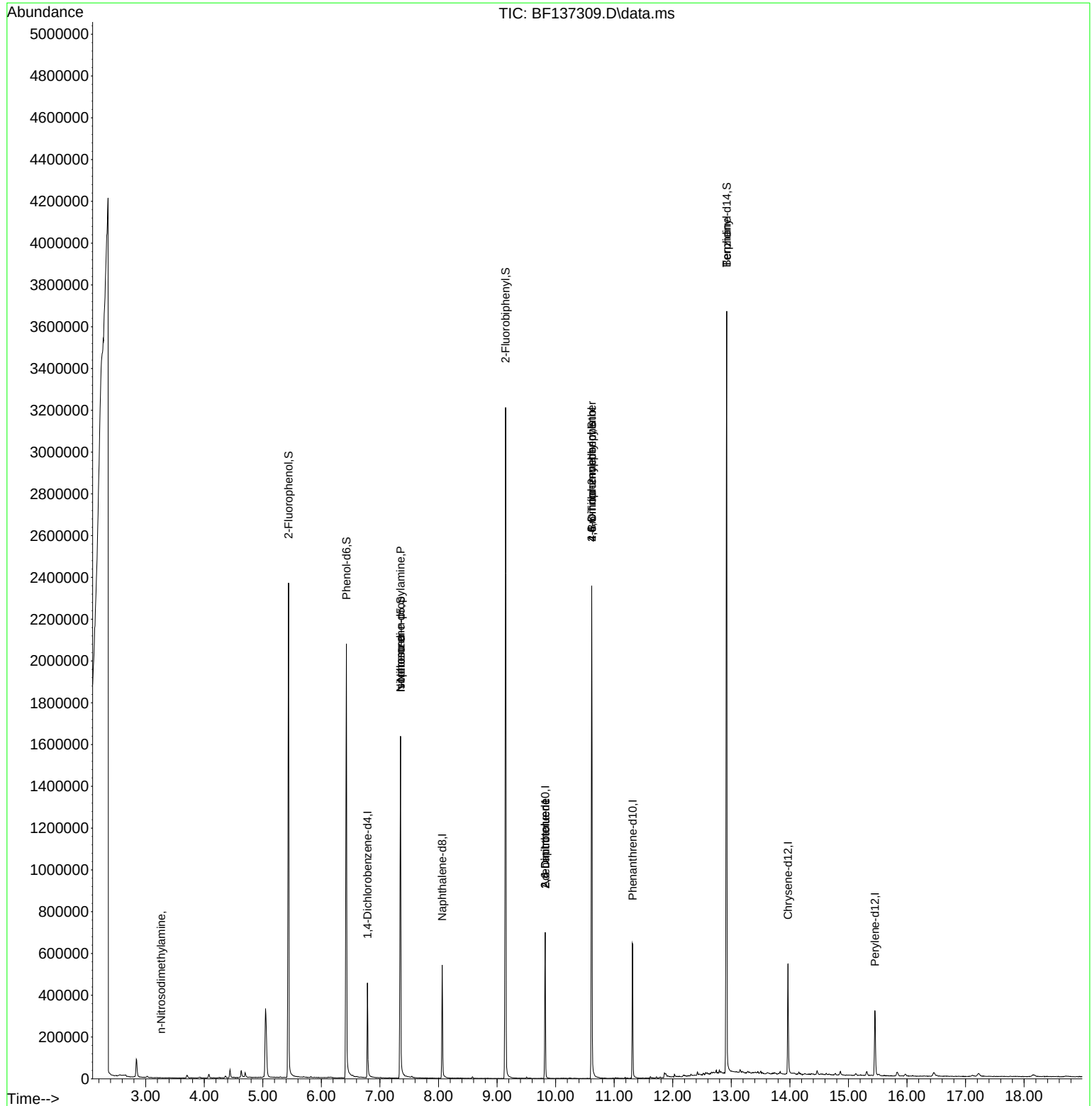
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.787  | 152  | 63139    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.063  | 136  | 242804   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.822  | 164  | 143428   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.316 | 188  | 273935   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.969 | 240  | 183066   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.451 | 264  | 158330   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.440  | 112  | 649866   | 169.837 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.428  | 99   | 764538   | 140.008 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 601553   | 110.923 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 294525   | 181.827 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 1113850  | 106.756 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.922 | 244  | 1397868  | 103.805 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 4) n-Nitrosodimethylamine     | 3.263  | 42   | 156      | 6.125   | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 7.351  | 70   | 83569    | 22.320  | ng    | # 77     |
| 25) Isophorone                | 7.351  | 82   | 601547   | 60.094  | ng    | # 67     |
| 51) 2,6-Dinitrotoluene        | 9.822  | 165  | 18538    | 8.972   | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.822  | 165  | 18538    | 6.915   | ng    | # 16     |
| 65) 4,6-Dinitro-2-methylph... | 10.616 | 198  | 635      | 5.843   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.616 | 248  | 19889    | 6.603   | ng    | # 1      |
| 77) Benzidine                 | 12.922 | 184  | 18629    | 5.683   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

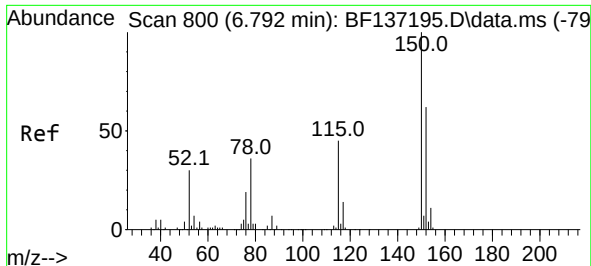
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020624\  
Data File : BF137309.D  
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Sample : P1362-08  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
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ClientSampleId :

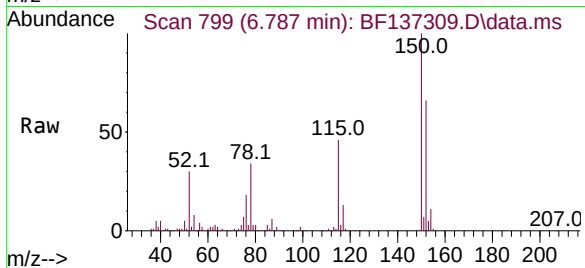
Quant Time: Feb 07 01:09:16 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 31 04:56:22 2024  
Response via : Initial Calibration



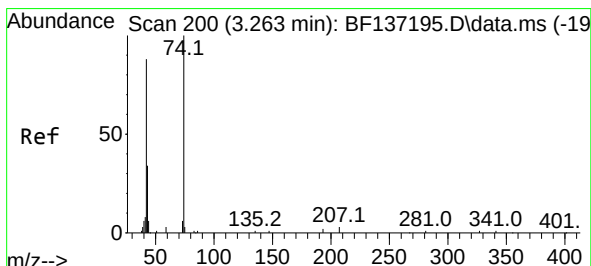
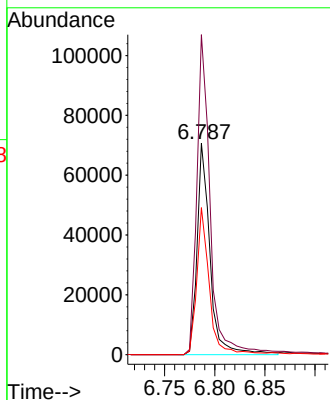
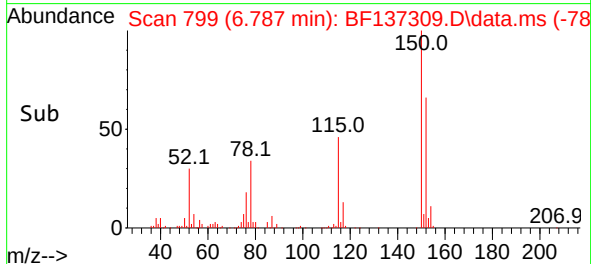


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.787 min Scan# 79  
Delta R.T. -0.005 min  
Lab File: BF137309.D  
Acq: 06 Feb 2024 23:47

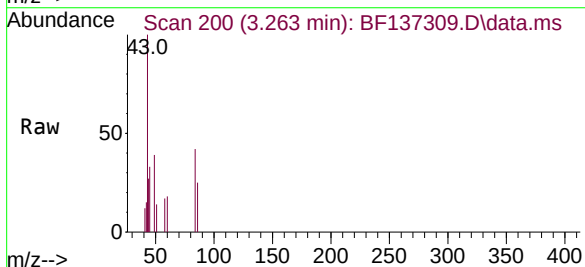
Instrument :  
BNA\_F  
ClientSampleId :



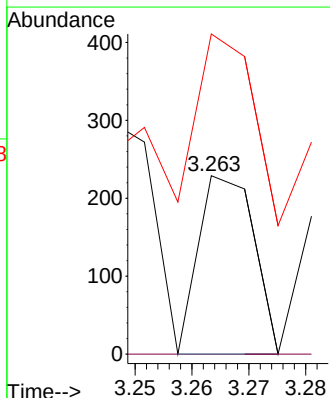
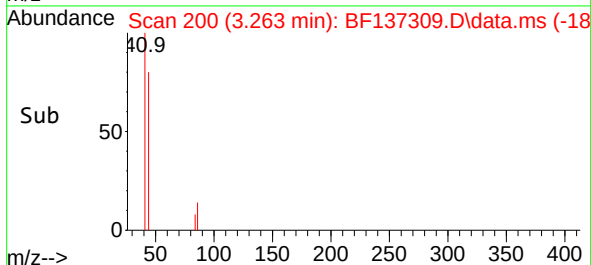
Tgt Ion:152 Resp: 63139  
Ion Ratio Lower Upper  
152 100  
150 151.5 129.8 194.8  
115 69.6 58.5 87.7

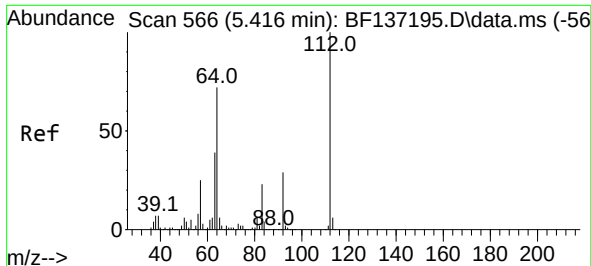


#4  
n-Nitrosodimethylamine  
Concen: 6.125 ng  
RT: 3.263 min Scan# 200  
Delta R.T. 0.000 min  
Lab File: BF137309.D  
Acq: 06 Feb 2024 23:47



Tgt Ion: 42 Resp: 156  
Ion Ratio Lower Upper  
42 100  
74 0.0 90.5 135.7#  
44 179.5 6.1 9.1#

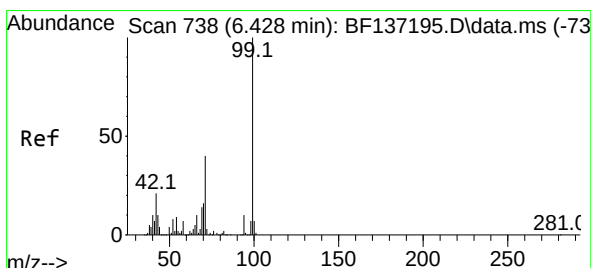
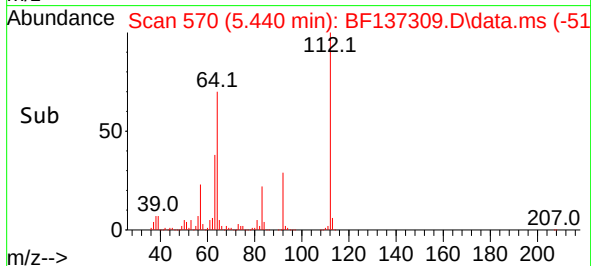
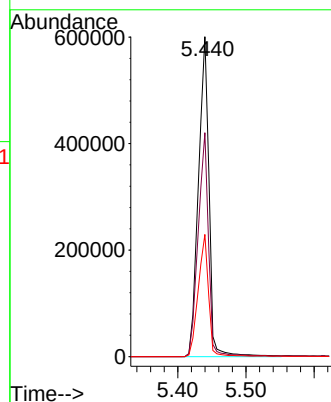
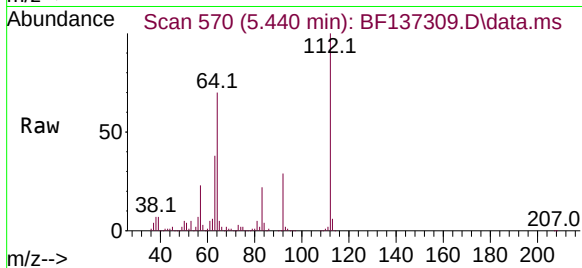




#5  
2-Fluorophenol  
Concen: 169.837 ng  
RT: 5.440 min Scan# 51  
Delta R.T. 0.024 min  
Lab File: BF137309.D  
Acq: 06 Feb 2024 23:47

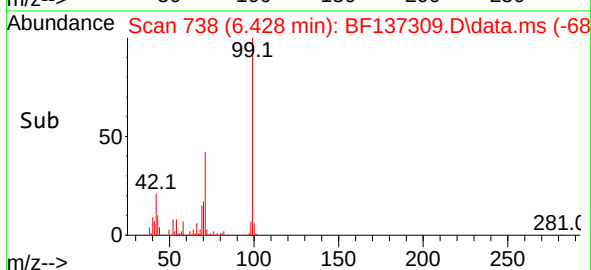
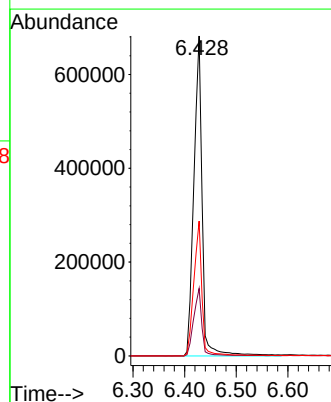
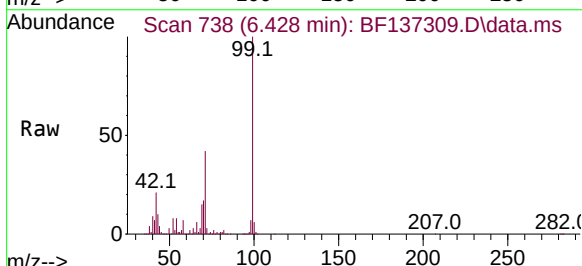
Instrument :  
BNA\_F  
ClientSampleId :

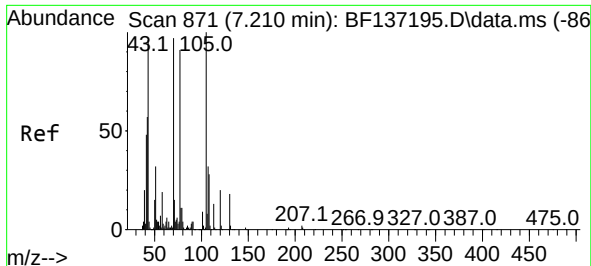
Tgt Ion:112 Resp: 649866  
Ion Ratio Lower Upper  
112 100  
64 70.0 57.8 86.6  
63 38.2 31.4 47.0



#7  
Phenol-d6  
Concen: 140.008 ng  
RT: 6.428 min Scan# 738  
Delta R.T. 0.000 min  
Lab File: BF137309.D  
Acq: 06 Feb 2024 23:47

Tgt Ion: 99 Resp: 764538  
Ion Ratio Lower Upper  
99 100  
42 21.1 16.4 24.6  
71 42.1 32.4 48.6





#19

n-Nitroso-di-n-propylamine

Concen: 22.320 ng

RT: 7.351 min Scan# 89

Delta R.T. 0.141 min

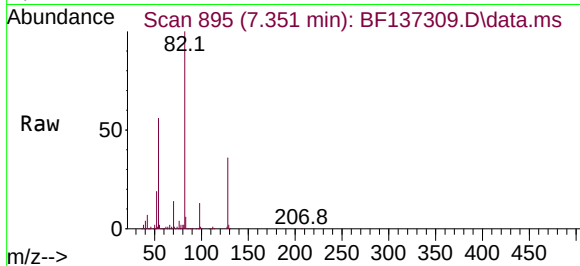
Lab File: BF137309.D

Acq: 06 Feb 2024 23:47

Instrument :

BNA\_F

ClientSampleId :



Tgt Ion: 70 Resp: 83569

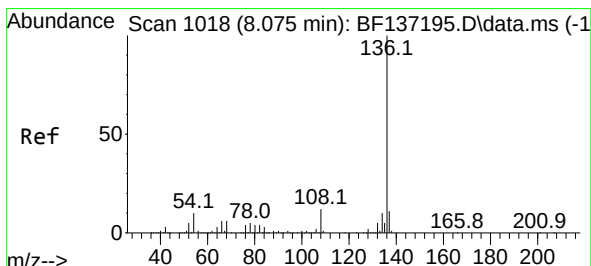
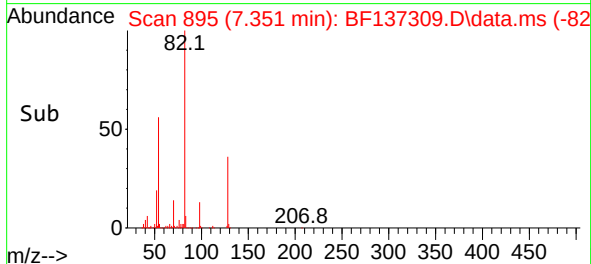
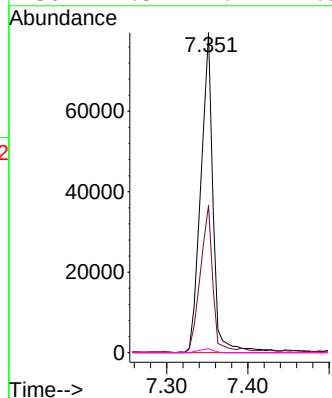
Ion Ratio Lower Upper

70 100

42 46.0 47.2 70.8#

101 0.0 7.4 11.0#

130 1.3 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: BF137309.D

Acq: 06 Feb 2024 23:47

Tgt Ion: 136 Resp: 242804

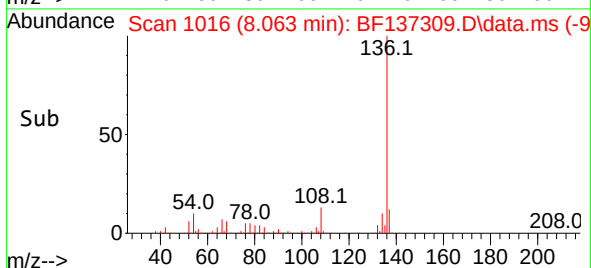
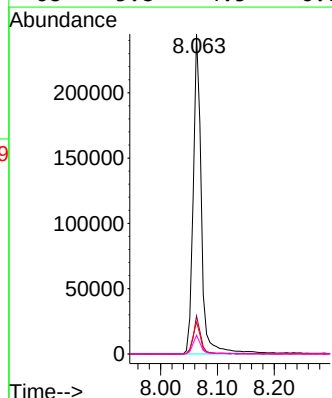
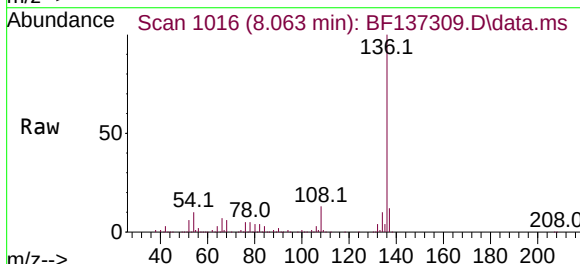
Ion Ratio Lower Upper

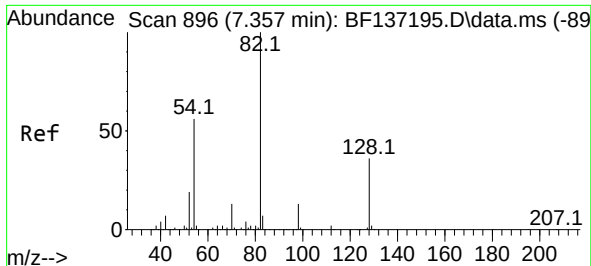
136 100

137 11.9 8.9 13.3

54 10.0 7.8 11.8

68 5.8 4.5 6.7

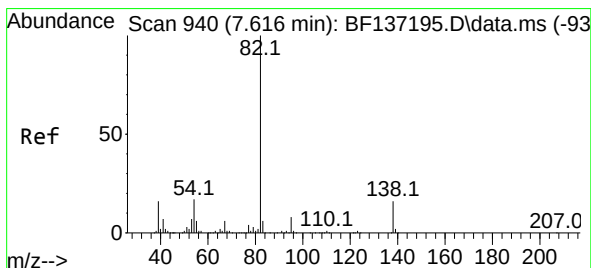
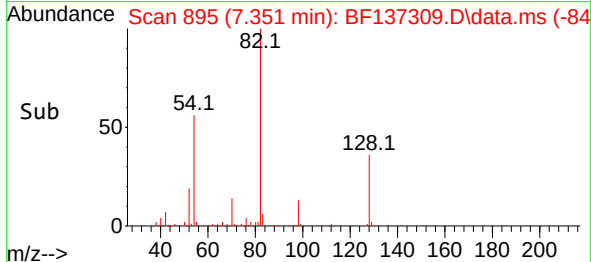
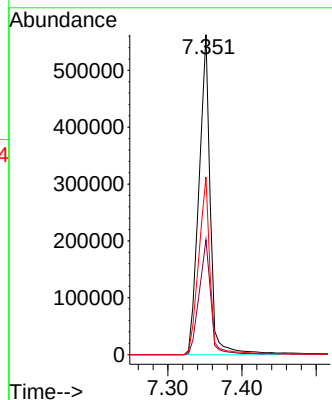
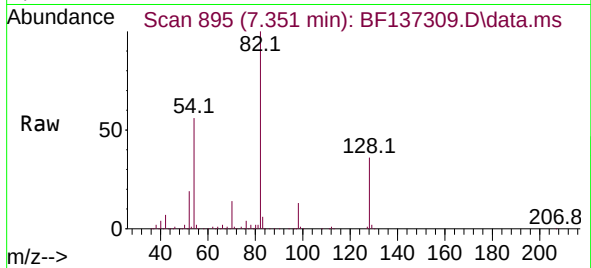




#23  
Nitrobenzene-d5  
Concen: 110.923 ng  
RT: 7.351 min Scan# 895  
Delta R.T. -0.006 min  
Lab File: BF137309.D  
Acq: 06 Feb 2024 23:47

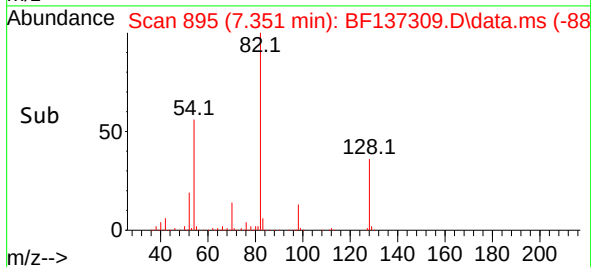
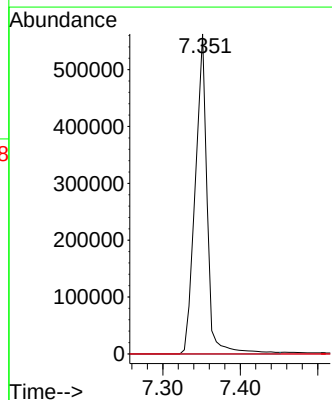
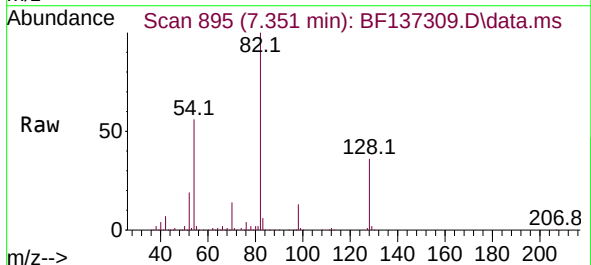
Instrument :  
BNA\_F  
ClientSampleId :

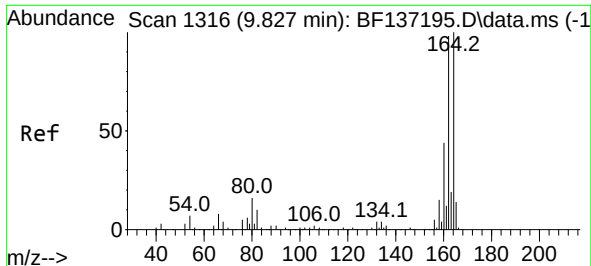
Tgt Ion: 82 Resp: 601553  
Ion Ratio Lower Upper  
82 100  
128 35.9 29.1 43.7  
54 55.5 45.0 67.6



#25  
Isophorone  
Concen: 60.094 ng  
RT: 7.351 min Scan# 895  
Delta R.T. -0.264 min  
Lab File: BF137309.D  
Acq: 06 Feb 2024 23:47

Tgt Ion: 82 Resp: 601547  
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: BF137309.D

Acq: 06 Feb 2024 23:47

Instrument :

BNA\_F

ClientSampleId :

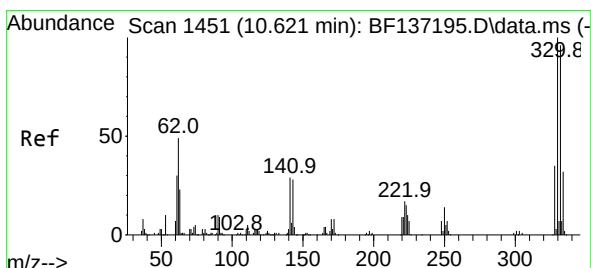
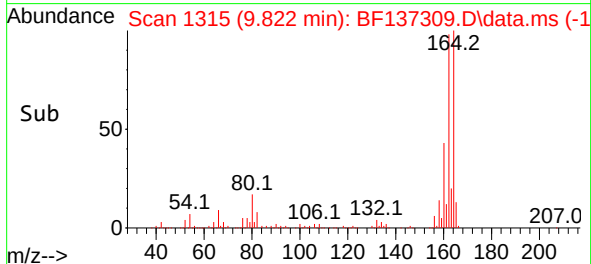
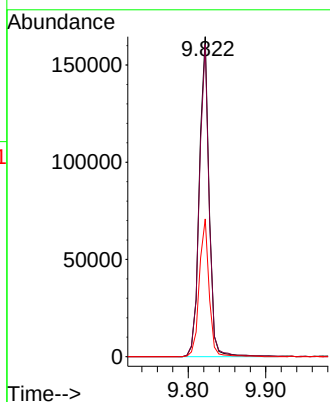
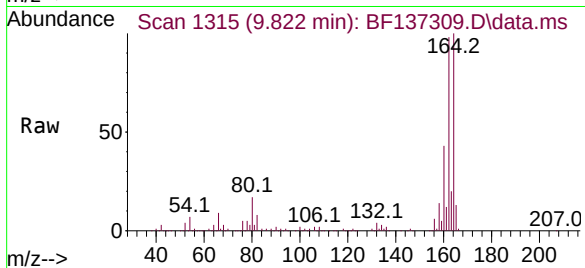
Tgt Ion:164 Resp: 143428

Ion Ratio Lower Upper

164 100

162 97.6 78.3 117.5

160 43.0 35.4 53.2



#42

2,4,6-Tribromophenol

Concen: 181.827 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF137309.D

Acq: 06 Feb 2024 23:47

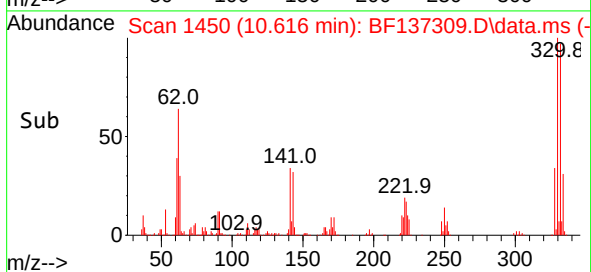
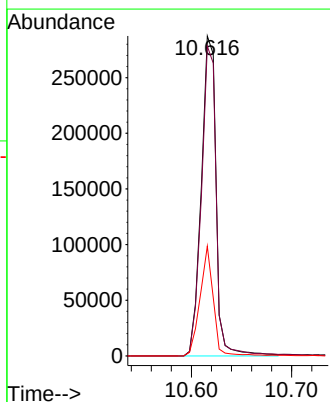
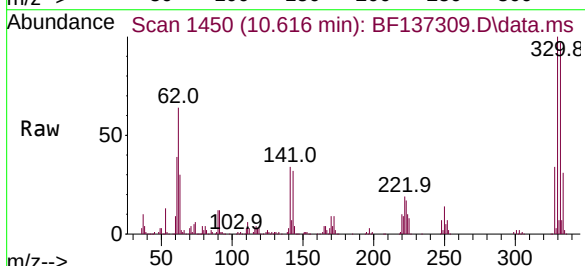
Tgt Ion:330 Resp: 294525

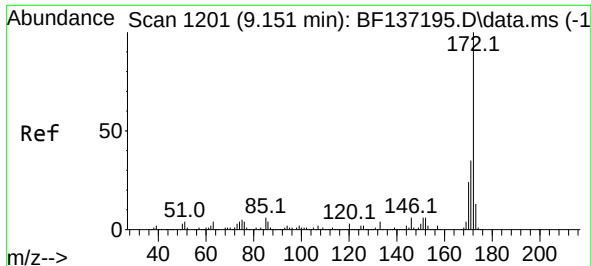
Ion Ratio Lower Upper

330 100

332 97.3 77.3 115.9

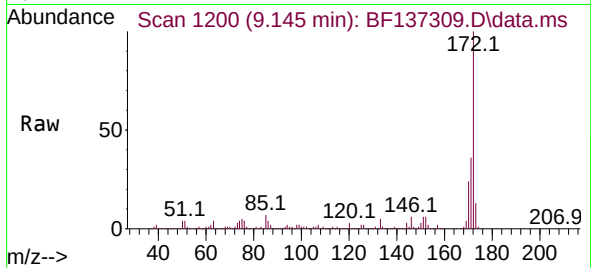
141 31.0 25.2 37.8



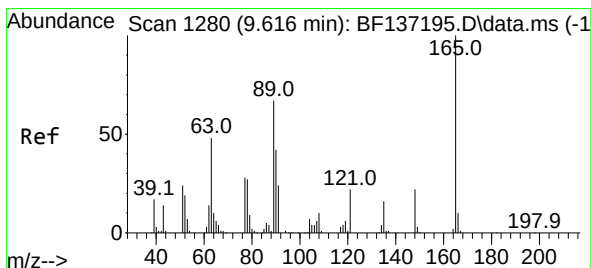
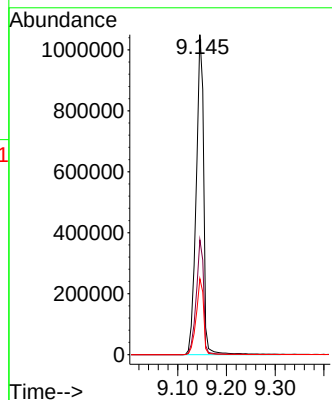
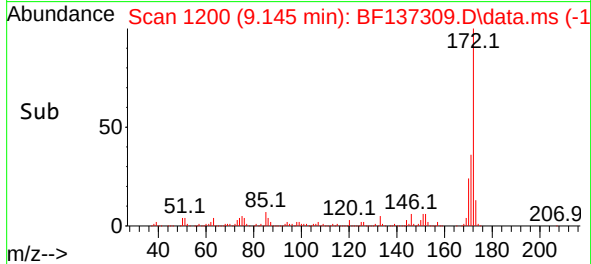


#45  
2-Fluorobiphenyl  
Concen: 106.756 ng  
RT: 9.145 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF137309.D  
Acq: 06 Feb 2024 23:47

Instrument :  
BNA\_F  
ClientSampleId :

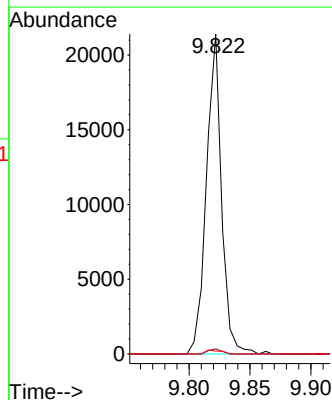
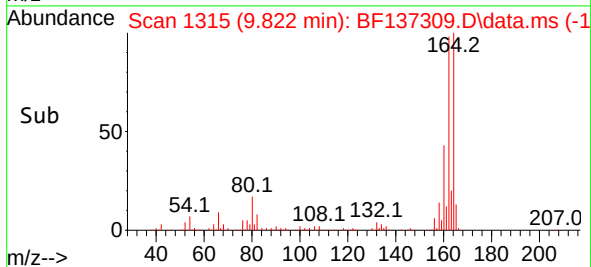
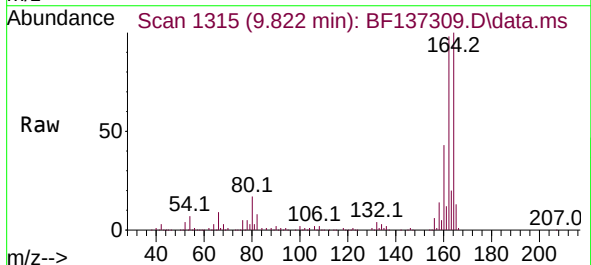


Tgt Ion:172 Resp: 1113850  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.3 42.5  
170 23.7 19.1 28.7

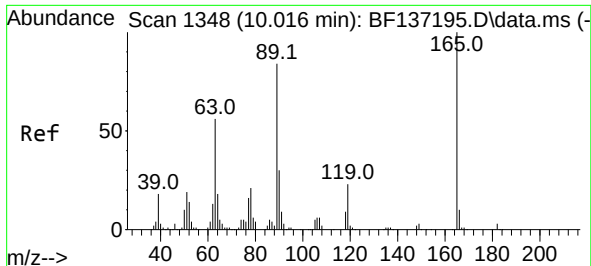


#51  
2,6-Dinitrotoluene  
Concen: 8.972 ng  
RT: 9.822 min Scan# 1315  
Delta R.T. 0.206 min  
Lab File: BF137309.D  
Acq: 06 Feb 2024 23:47

Tgt Ion:165 Resp: 18538  
Ion Ratio Lower Upper  
165 100  
63 1.6 55.1 82.7#  
89 0.9 53.5 80.3#

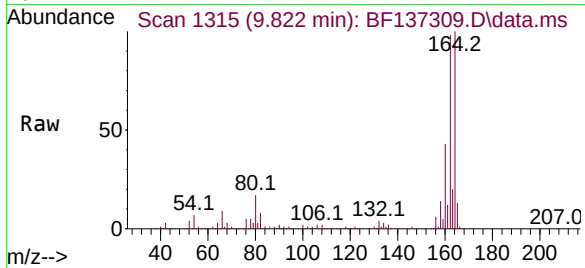




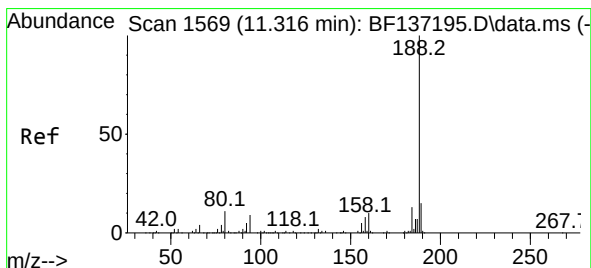
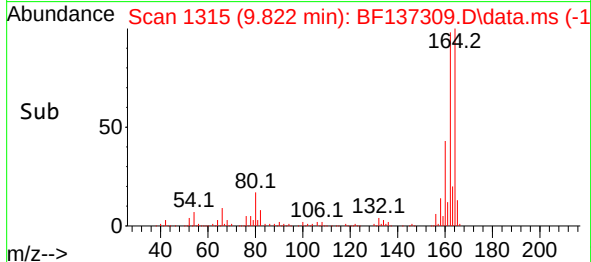
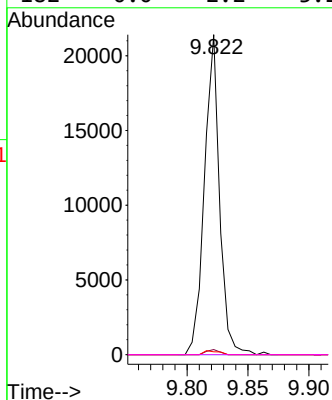


#57  
2,4-Dinitrotoluene  
Concen: 6.915 ng  
RT: 9.822 min Scan# 1348  
Delta R.T. -0.194 min  
Lab File: BF137309.D  
Acq: 06 Feb 2024 23:47

Instrument :  
BNA\_F  
ClientSampleId :

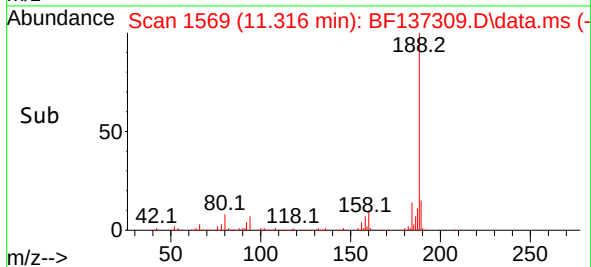
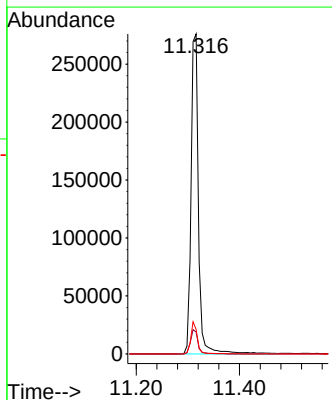
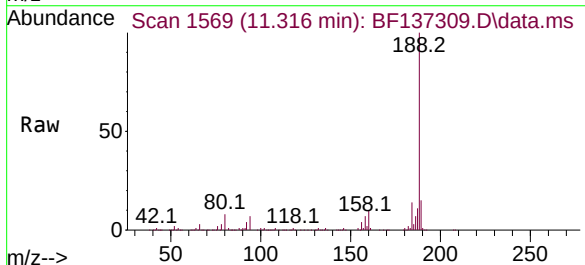


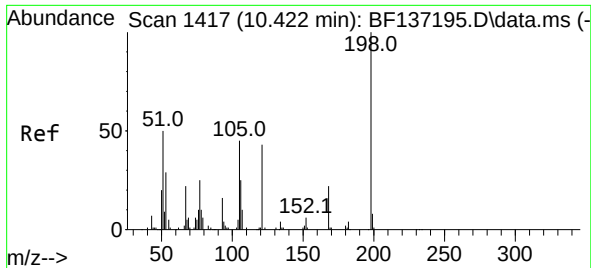
Tgt Ion:165 Resp: 18538  
Ion Ratio Lower Upper  
165 100  
63 1.6 46.1 69.1#  
89 0.9 67.5 101.3#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.316 min Scan# 1569  
Delta R.T. -0.000 min  
Lab File: BF137309.D  
Acq: 06 Feb 2024 23:47

Tgt Ion:188 Resp: 273935  
Ion Ratio Lower Upper  
188 100  
94 6.8 7.0 10.4#  
80 7.6 8.8 13.2#

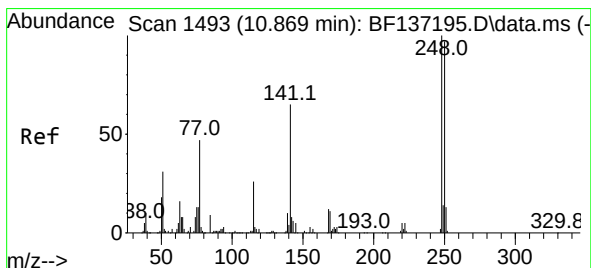
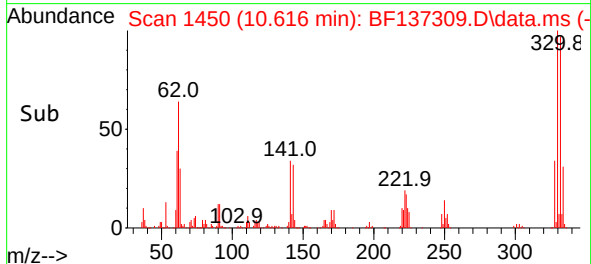
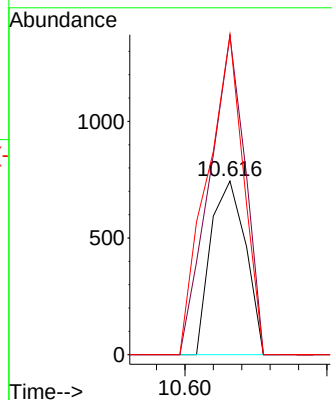
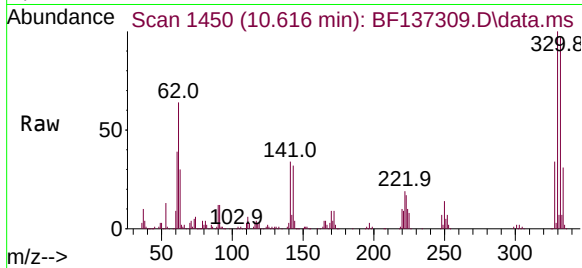




#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.843 ng  
RT: 10.616 min Scan# 1417  
Delta R.T. 0.194 min  
Lab File: BF137309.D  
Acq: 06 Feb 2024 23:47

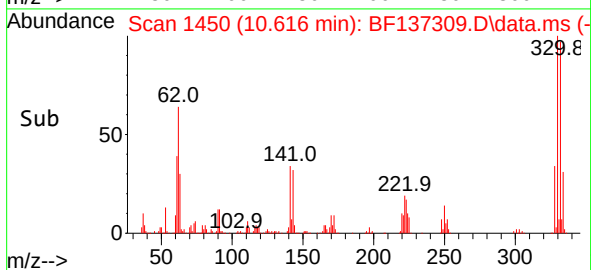
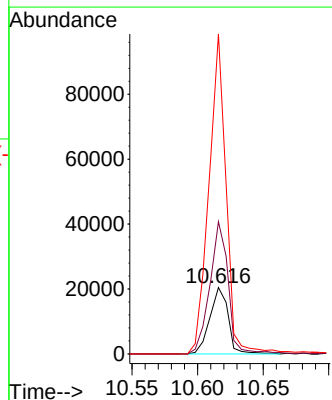
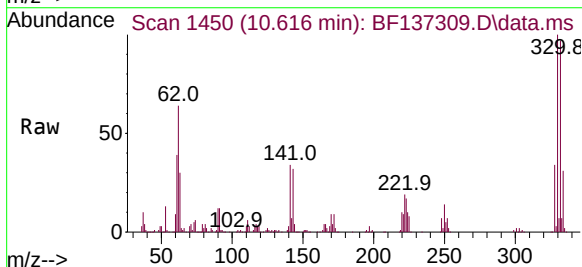
Instrument :  
BNA\_F  
ClientSampleId :

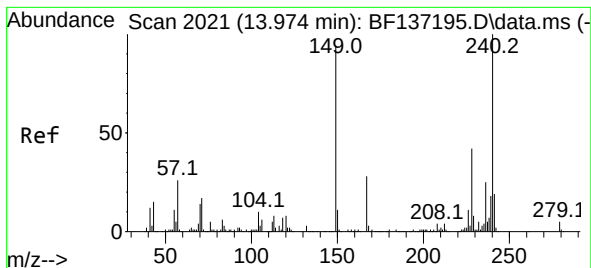
Tgt Ion:198 Resp: 635  
Ion Ratio Lower Upper  
198 100  
51 183.7 40.9 80.9#  
105 184.4 26.5 66.5#



#67  
4-Bromophenyl-phenylether  
Concen: 6.603 ng  
RT: 10.616 min Scan# 1450  
Delta R.T. -0.253 min  
Lab File: BF137309.D  
Acq: 06 Feb 2024 23:47

Tgt Ion:248 Resp: 19889  
Ion Ratio Lower Upper  
248 100  
250 199.7 77.7 116.5#  
141 483.0 51.6 77.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF137309.D

Acq: 06 Feb 2024 23:47

Instrument :

BNA\_F

ClientSampleId :

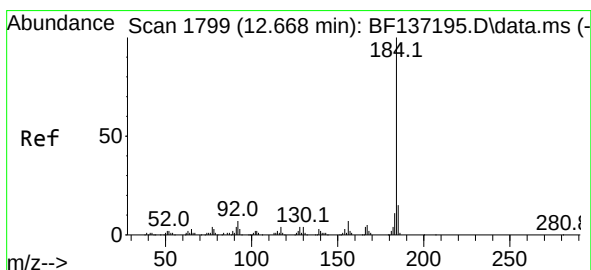
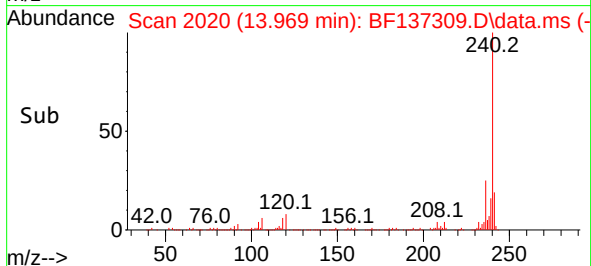
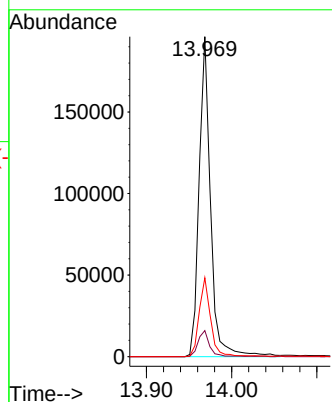
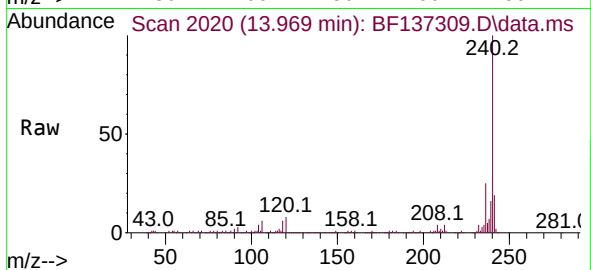
Tgt Ion:240 Resp: 183066

Ion Ratio Lower Upper

240 100

120 8.2 6.3 9.5

236 24.7 20.3 30.5



#77

Benzidine

Concen: 5.683 ng

RT: 12.922 min Scan# 1842

Delta R.T. 0.254 min

Lab File: BF137309.D

Acq: 06 Feb 2024 23:47

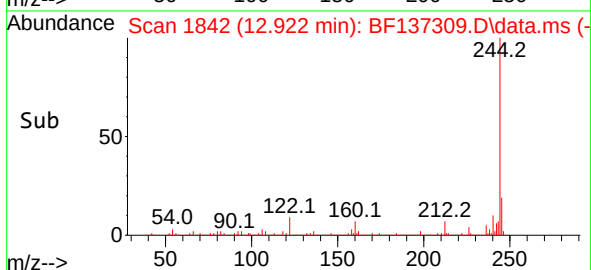
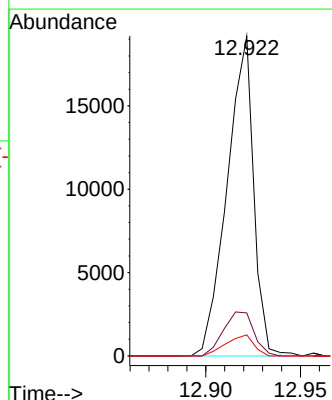
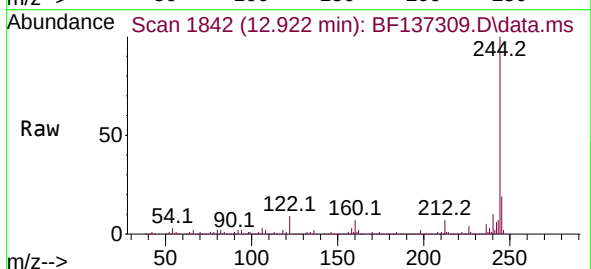
Tgt Ion:184 Resp: 18629

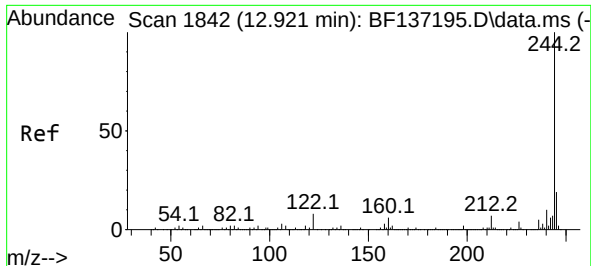
Ion Ratio Lower Upper

184 100

185 13.4 11.9 17.9

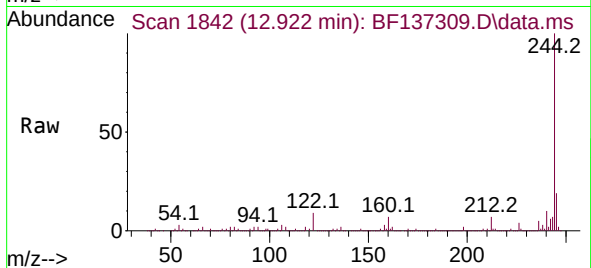
183 6.6 8.8 13.2#



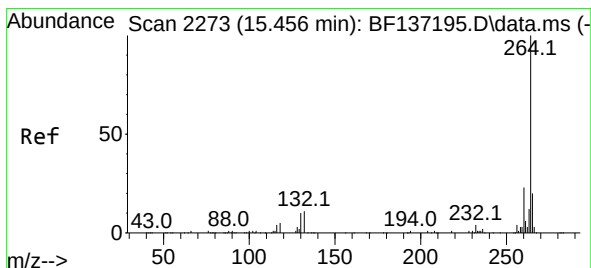
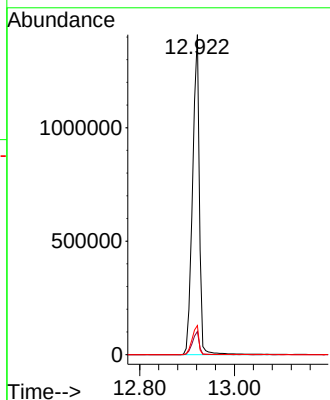
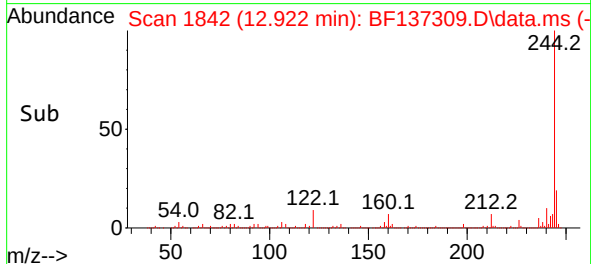


#79  
 Terphenyl-d14  
 Concen: 103.805 ng  
 RT: 12.922 min Scan# 1842  
 Delta R.T. 0.000 min  
 Lab File: BF137309.D  
 Acq: 06 Feb 2024 23:47

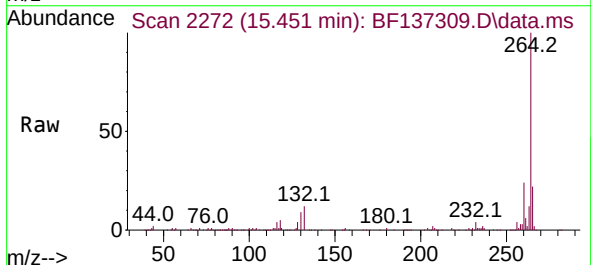
Instrument :  
 BNA\_F  
 ClientSampleId :



Tgt Ion:244 Resp: 1397868  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.5 8.3  
 122 9.1 6.2 9.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.451 min Scan# 2272  
 Delta R.T. -0.006 min  
 Lab File: BF137309.D  
 Acq: 06 Feb 2024 23:47



Tgt Ion:264 Resp: 158330  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 18.2 27.4  
 265 22.5 16.2 24.2

