

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020624\  
 Data File : BF137299.D  
 Acq On : 06 Feb 2024 18:52  
 Operator : CG\JU  
 Sample : P1141-04  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EB-4-0-2

Quant Time: Feb 07 01:04:06 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

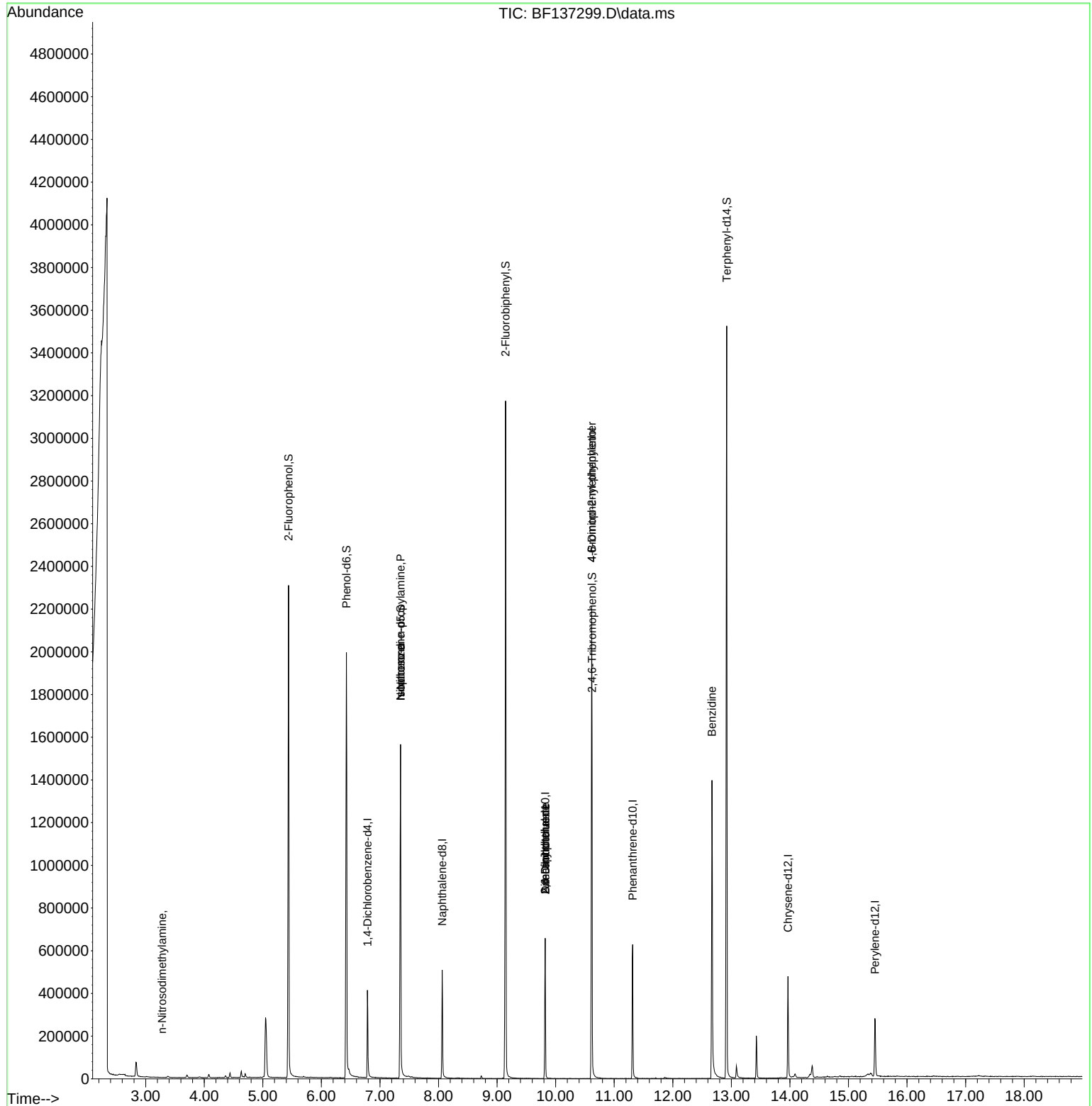
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.787  | 152  | 56817    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.063  | 136  | 222593   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.822  | 164  | 132912   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.316 | 188  | 257376   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.968 | 240  | 167666   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.451 | 264  | 142836   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.440  | 112  | 612298   | 177.824 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.428  | 99   | 759077   | 154.475 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 588760   | 118.421 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.622 | 330  | 277806   | 185.075 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 1067706  | 110.430 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.922 | 244  | 1335858  | 108.312 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 4) n-Nitrosodimethylamine     | 3.281  | 42   | 153      | 6.131   | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 7.351  | 70   | 81531    | 24.199  | ng    | # 78     |
| 25) Isophorone                | 7.351  | 82   | 588754   | 64.156  | ng    | # 67     |
| 50) Dimethylphthalate         | 9.822  | 163  | 24800    | 2.762   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.822  | 165  | 17201    | 8.984   | ng    | # 19     |
| 57) 2,4-Dinitrotoluene        | 9.822  | 165  | 17201    | 6.924   | ng    | # 17     |
| 65) 4,6-Dinitro-2-methylph... | 10.616 | 198  | 665      | 5.887   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.616 | 248  | 18433    | 6.513   | ng    | # 1      |
| 77) Benzidine                 | 12.669 | 184  | 585224   | 194.924 | ng    | 97       |
| -----                         |        |      |          |         |       |          |

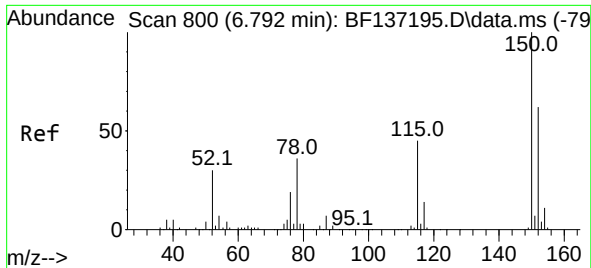
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020624\  
Data File : BF137299.D  
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Sample : P1141-04  
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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
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EB-4-0-2

Quant Time: Feb 07 01:04:06 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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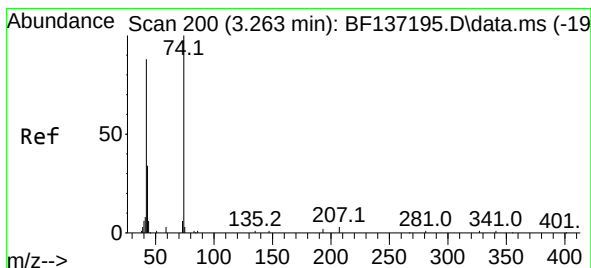
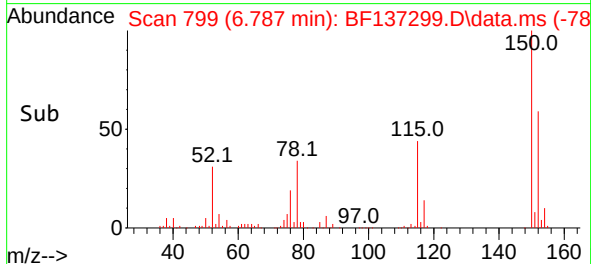
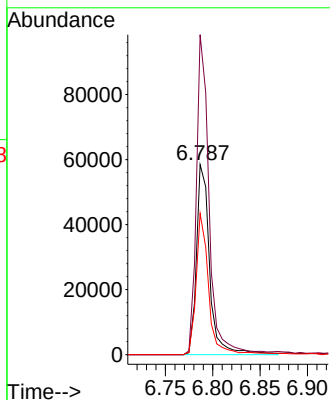
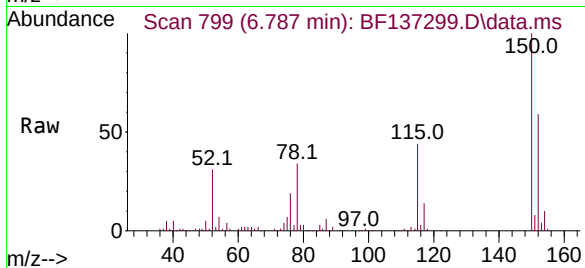




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.787 min Scan# 79  
Delta R.T. -0.005 min  
Lab File: BF137299.D  
Acq: 06 Feb 2024 18:52

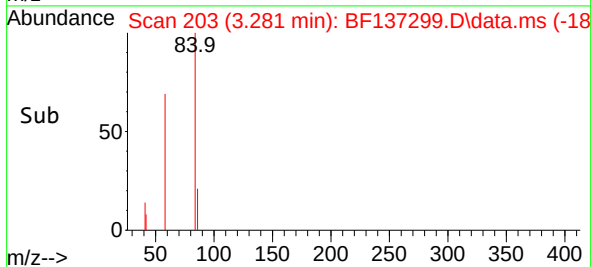
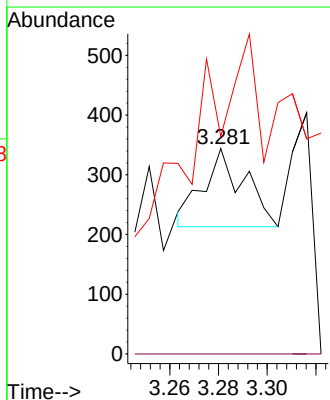
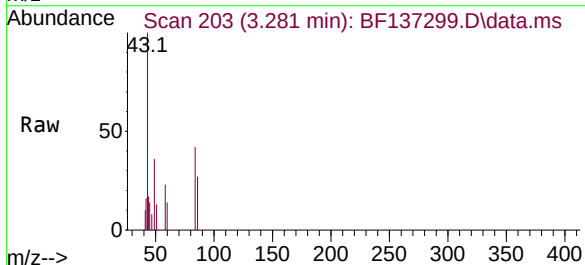
Instrument :  
BNA\_F  
ClientSampleId :  
EB-4-0-2

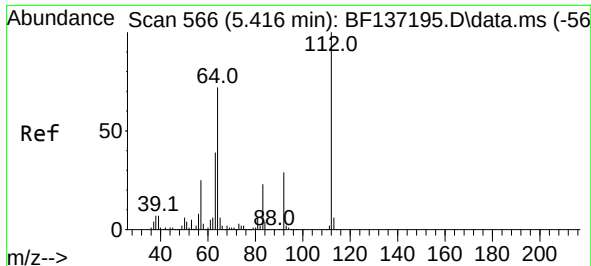
Tgt Ion:152 Resp: 56817  
Ion Ratio Lower Upper  
152 100  
150 168.4 129.8 194.8  
115 74.3 58.5 87.7



#4  
n-Nitrosodimethylamine  
Concen: 6.131 ng  
RT: 3.281 min Scan# 203  
Delta R.T. 0.018 min  
Lab File: BF137299.D  
Acq: 06 Feb 2024 18:52

Tgt Ion: 42 Resp: 153  
Ion Ratio Lower Upper  
42 100  
74 0.0 90.5 135.7#  
44 105.8 6.1 9.1#

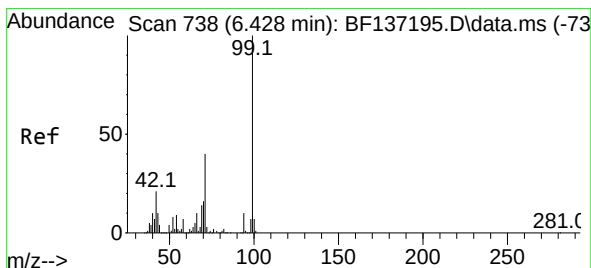
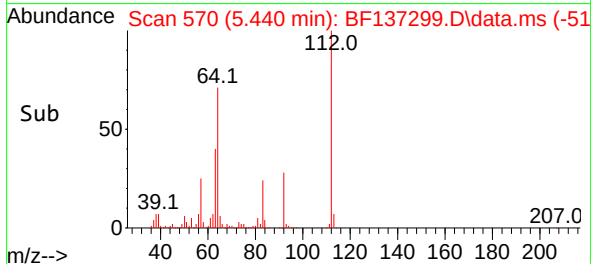
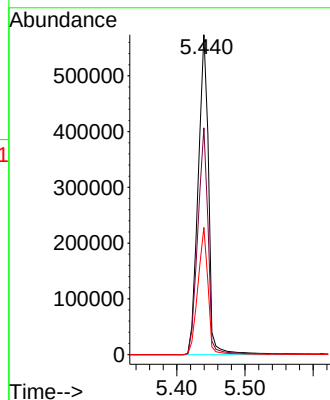
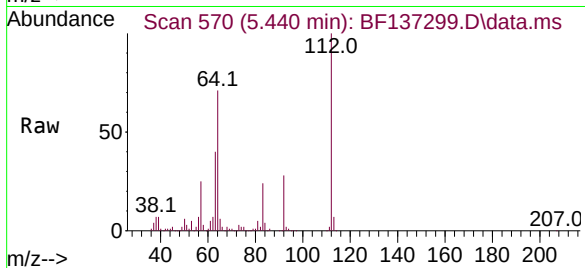




#5  
2-Fluorophenol  
Concen: 177.824 ng  
RT: 5.440 min Scan# 51  
Delta R.T. 0.024 min  
Lab File: BF137299.D  
Acq: 06 Feb 2024 18:52

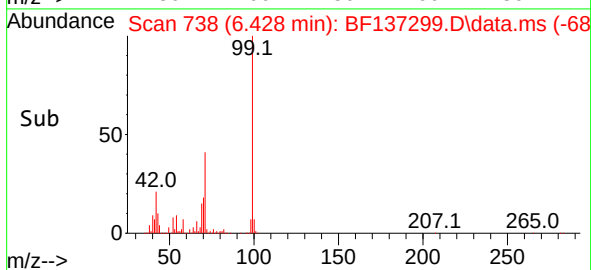
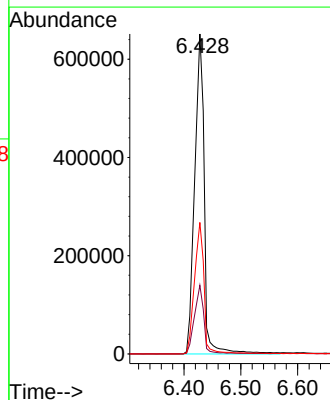
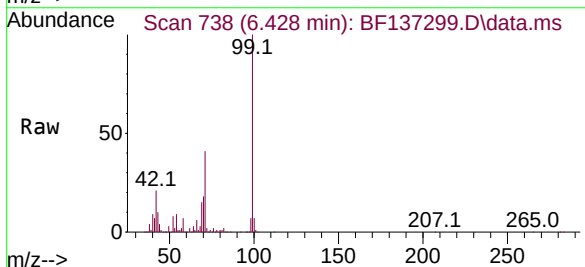
Instrument :  
BNA\_F  
ClientSampleId :  
EB-4-0-2

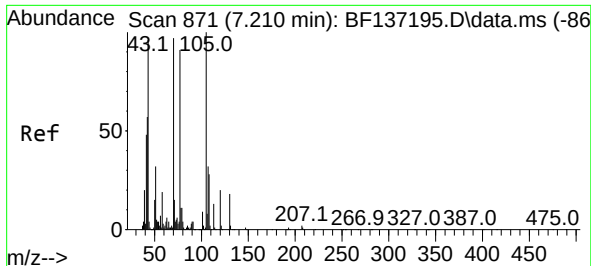
Tgt Ion:112 Resp: 612298  
Ion Ratio Lower Upper  
112 100  
64 70.9 57.8 86.6  
63 39.7 31.4 47.0



#7  
Phenol-d6  
Concen: 154.475 ng  
RT: 6.428 min Scan# 738  
Delta R.T. 0.000 min  
Lab File: BF137299.D  
Acq: 06 Feb 2024 18:52

Tgt Ion: 99 Resp: 759077  
Ion Ratio Lower Upper  
99 100  
42 21.5 16.4 24.6  
71 41.1 32.4 48.6



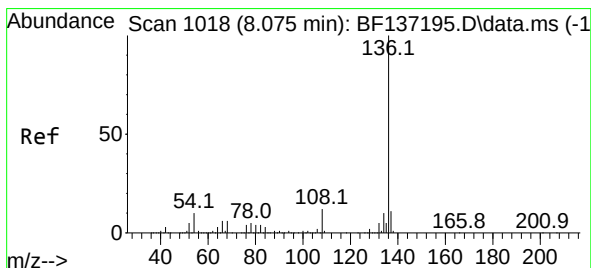
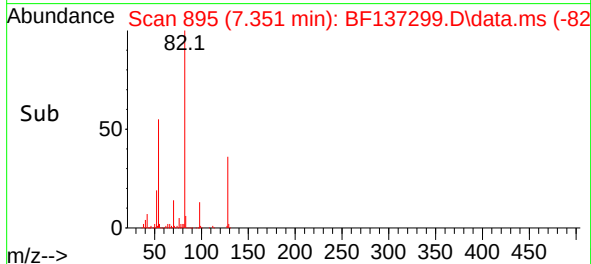
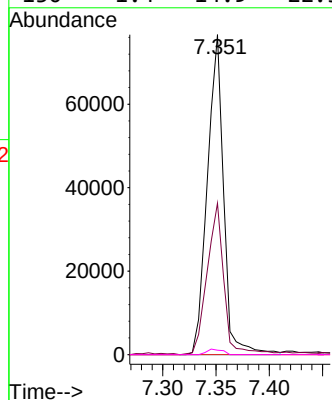
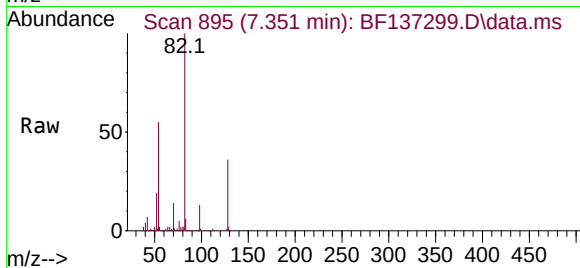


#19  
n-Nitroso-di-n-propylamine  
Concen: 24.199 ng  
RT: 7.351 min Scan# 89  
Delta R.T. 0.141 min  
Lab File: BF137299.D  
Acq: 06 Feb 2024 18:52

Instrument :  
BNA\_F  
ClientSampleId :  
EB-4-0-2

Tgt Ion: 70 Resp: 81531

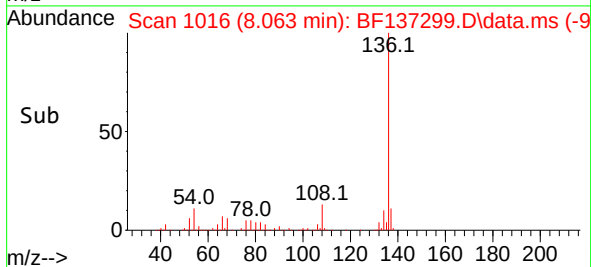
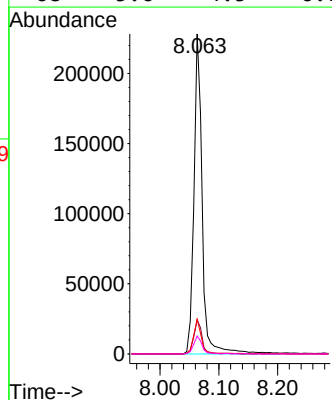
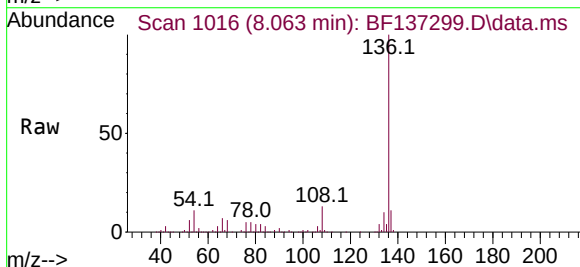
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 47.3  | 47.2  | 70.8  |
| 101 | 0.0   | 7.4   | 11.0# |
| 130 | 1.4   | 14.9  | 22.3# |

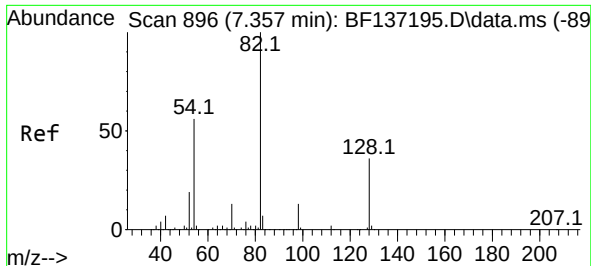


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.063 min Scan# 1016  
Delta R.T. -0.012 min  
Lab File: BF137299.D  
Acq: 06 Feb 2024 18:52

Tgt Ion: 136 Resp: 222593

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.7  | 8.9   | 13.3  |
| 54  | 10.8  | 7.8   | 11.8  |
| 68  | 5.6   | 4.5   | 6.7   |

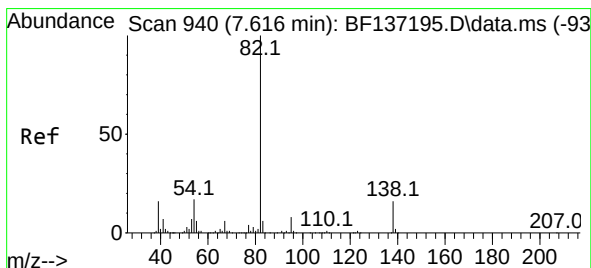
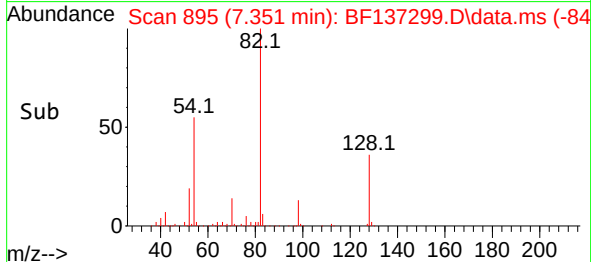
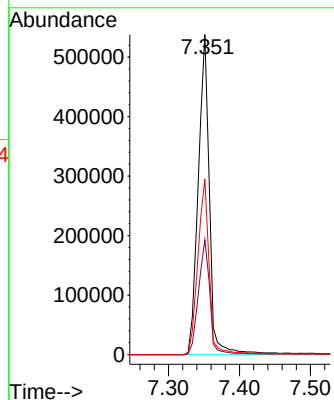
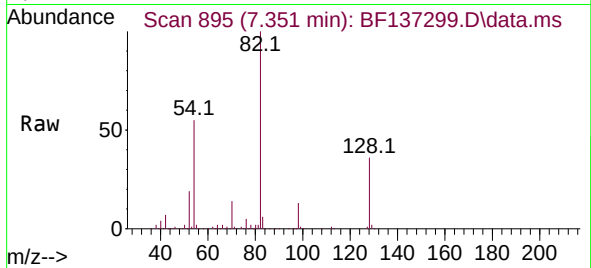




#23  
Nitrobenzene-d5  
Concen: 118.421 ng  
RT: 7.351 min Scan# 895  
Delta R.T. -0.006 min  
Lab File: BF137299.D  
Acq: 06 Feb 2024 18:52

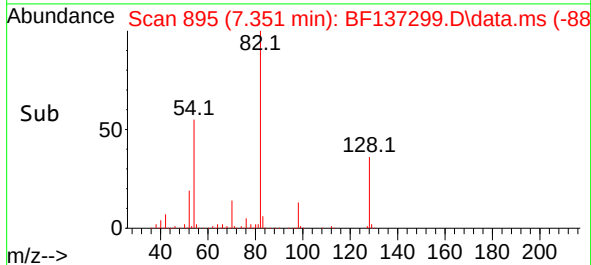
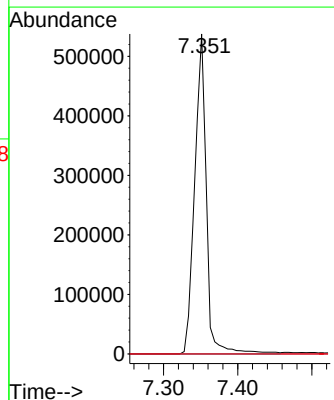
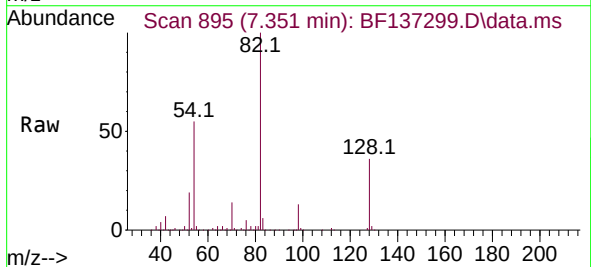
Instrument :  
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ClientSampleId :  
EB-4-0-2

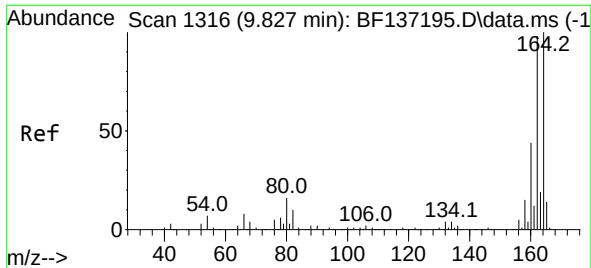
Tgt Ion: 82 Resp: 588760  
Ion Ratio Lower Upper  
82 100  
128 35.9 29.1 43.7  
54 54.8 45.0 67.6



#25  
Isophorone  
Concen: 64.156 ng  
RT: 7.351 min Scan# 895  
Delta R.T. -0.265 min  
Lab File: BF137299.D  
Acq: 06 Feb 2024 18:52

Tgt Ion: 82 Resp: 588754  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.4 9.6#  
138 0.0 12.7 19.1#

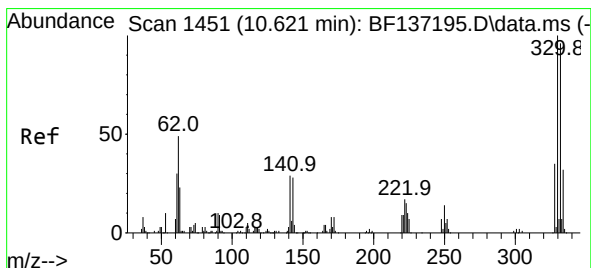
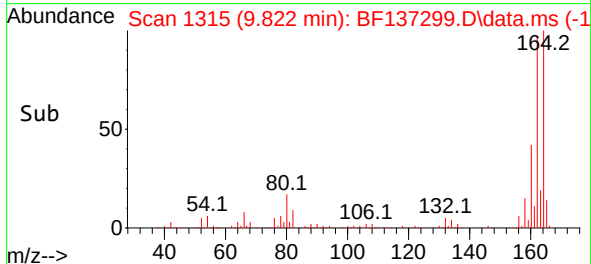
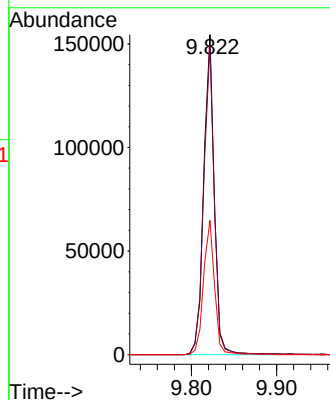
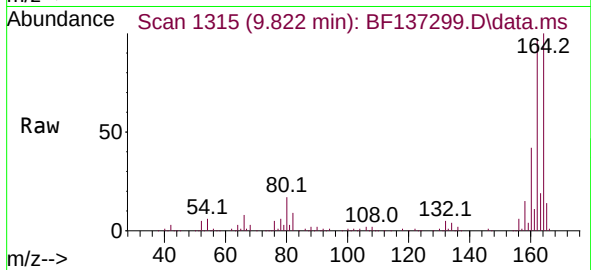




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.822 min Scan# 1316  
Delta R.T. -0.005 min  
Lab File: BF137299.D  
Acq: 06 Feb 2024 18:52

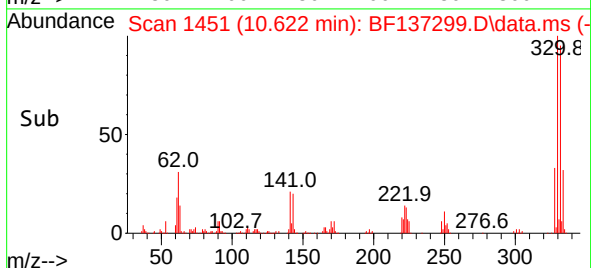
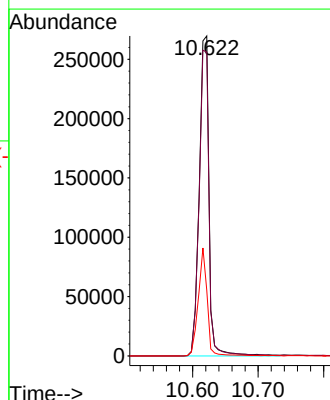
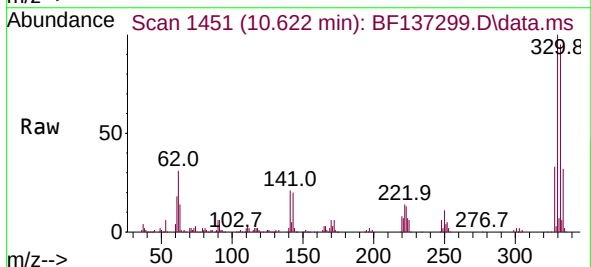
Instrument :  
BNA\_F  
ClientSampleId :  
EB-4-0-2

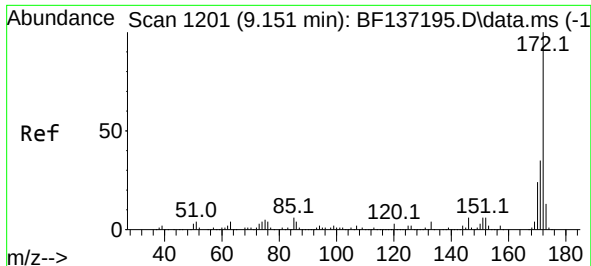
Tgt Ion:164 Resp: 132912  
Ion Ratio Lower Upper  
164 100  
162 96.5 78.3 117.5  
160 41.9 35.4 53.2



#42  
2,4,6-Tribromophenol  
Concen: 185.075 ng  
RT: 10.622 min Scan# 1451  
Delta R.T. 0.000 min  
Lab File: BF137299.D  
Acq: 06 Feb 2024 18:52

Tgt Ion:330 Resp: 277806  
Ion Ratio Lower Upper  
330 100  
332 96.0 77.3 115.9  
141 31.0 25.2 37.8





#45

2-Fluorobiphenyl

Concen: 110.430 ng

RT: 9.145 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF137299.D

Acq: 06 Feb 2024 18:52

Instrument :

BNA\_F

ClientSampleId :

EB-4-0-2

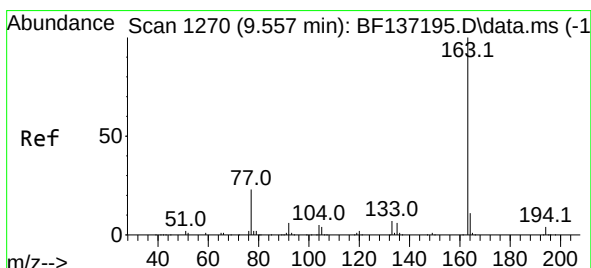
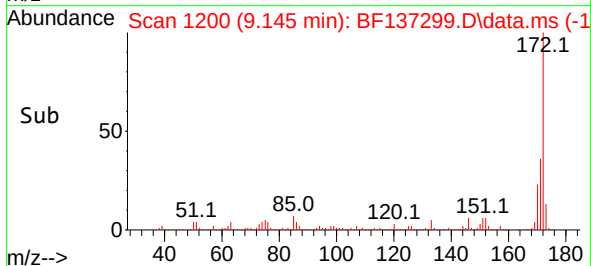
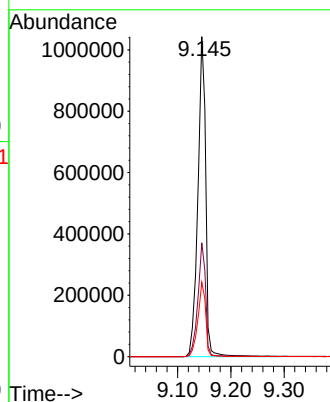
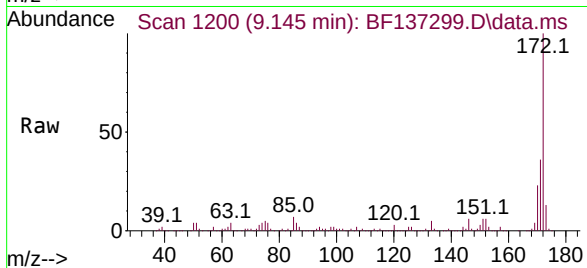
Tgt Ion:172 Resp: 1067706

Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.2 19.1 28.7



#50

Dimethylphthalate

Concen: 2.762 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.265 min

Lab File: BF137299.D

Acq: 06 Feb 2024 18:52

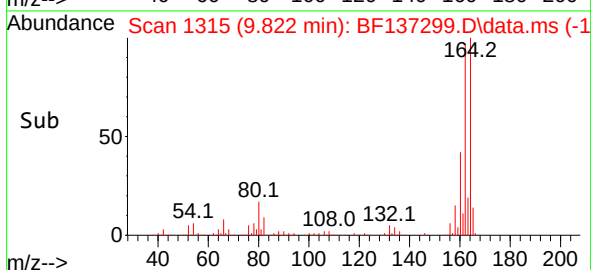
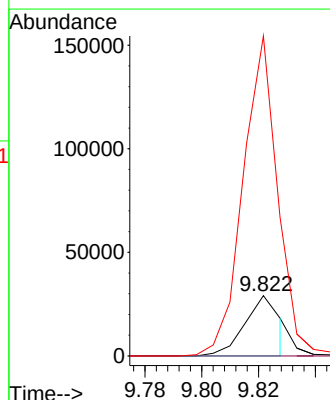
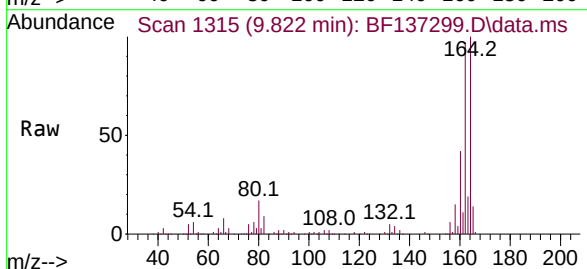
Tgt Ion:163 Resp: 24800

Ion Ratio Lower Upper

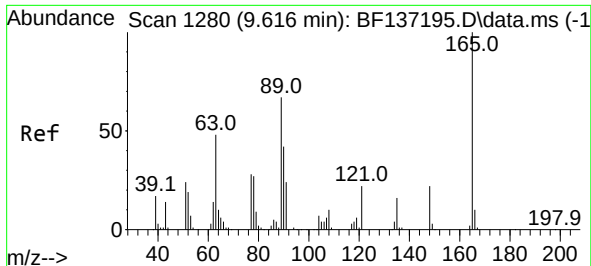
163 100

194 0.0 3.3 4.9#

164 531.7 8.6 13.0#



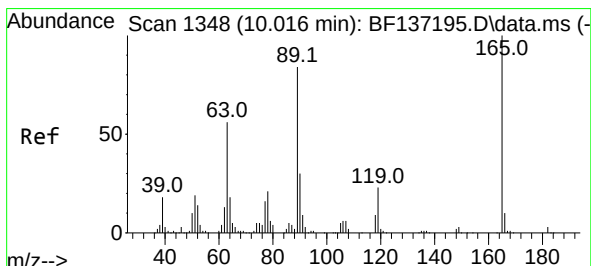
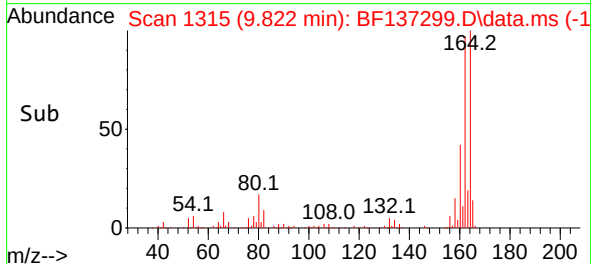
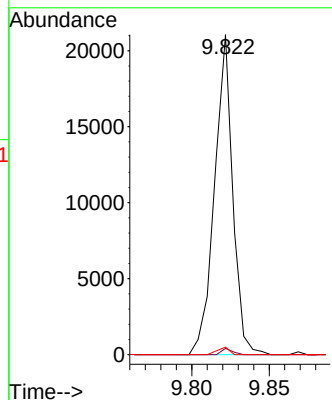
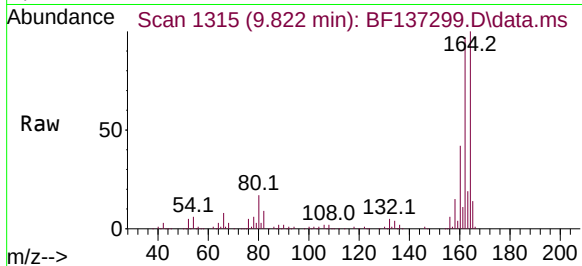




#51  
2,6-Dinitrotoluene  
Concen: 8.984 ng  
RT: 9.822 min Scan# 1315  
Delta R.T. 0.206 min  
Lab File: BF137299.D  
Acq: 06 Feb 2024 18:52

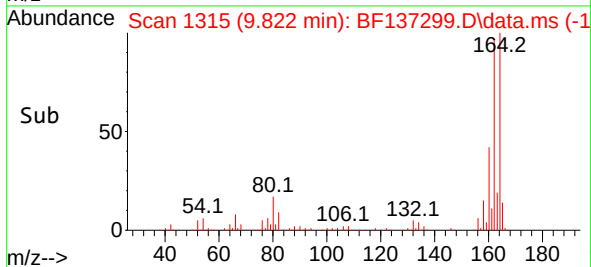
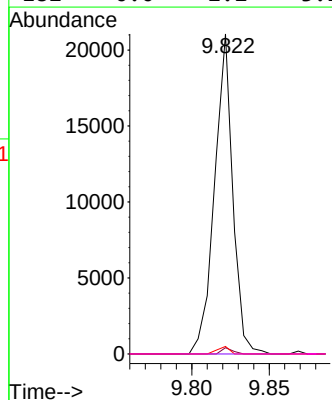
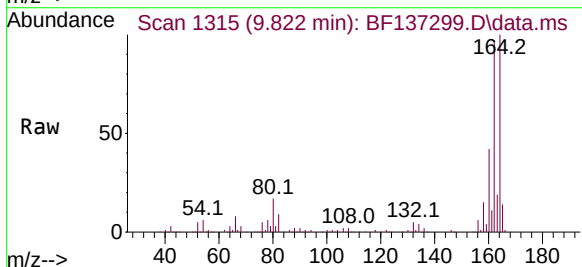
Instrument :  
BNA\_F  
ClientSampleId :  
EB-4-0-2

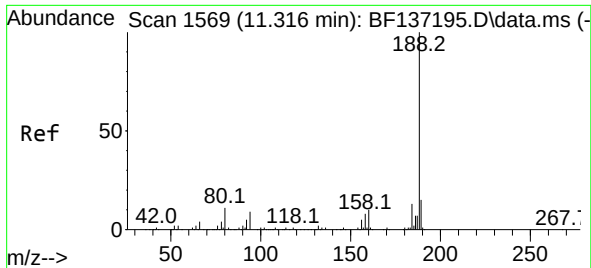
Tgt Ion:165 Resp: 17201  
Ion Ratio Lower Upper  
165 100  
63 1.9 55.1 82.7#  
89 2.3 53.5 80.3#



#57  
2,4-Dinitrotoluene  
Concen: 6.924 ng  
RT: 9.822 min Scan# 1315  
Delta R.T. -0.194 min  
Lab File: BF137299.D  
Acq: 06 Feb 2024 18:52

Tgt Ion:165 Resp: 17201  
Ion Ratio Lower Upper  
165 100  
63 1.9 46.1 69.1#  
89 2.3 67.5 101.3#  
182 0.0 2.2 3.2#

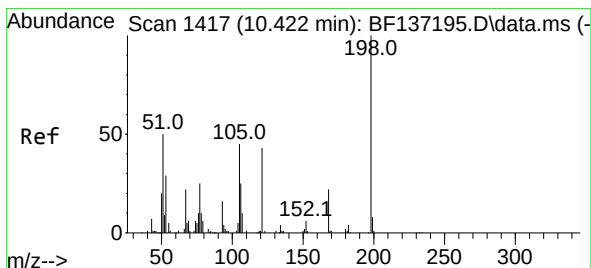
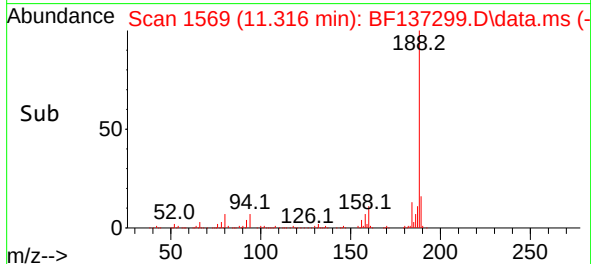
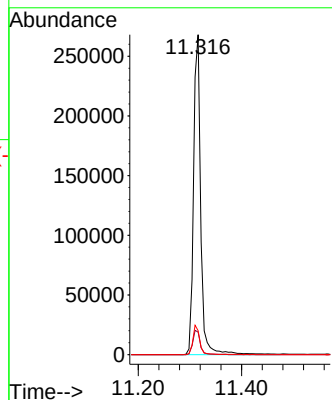
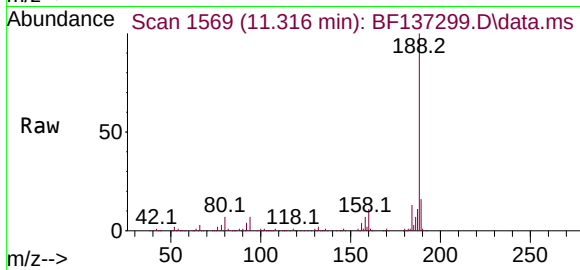




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.316 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF137299.D  
Acq: 06 Feb 2024 18:52

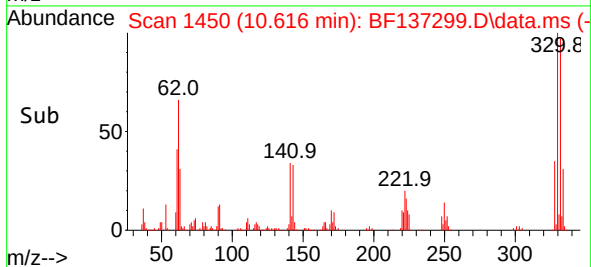
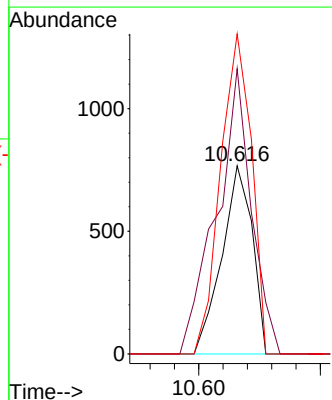
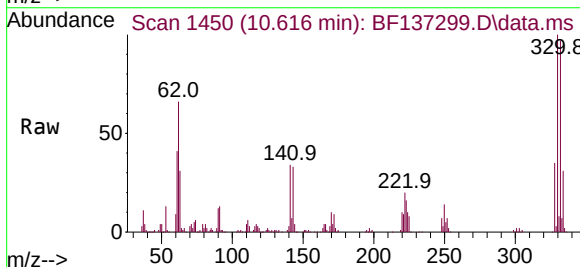
Instrument :  
BNA\_F  
ClientSampleId :  
EB-4-0-2

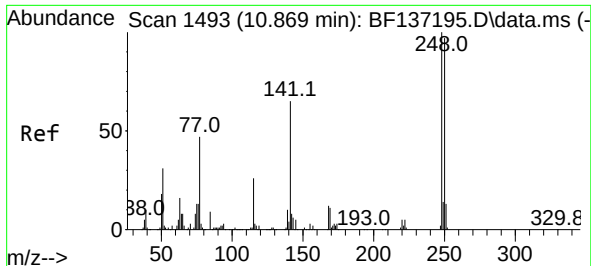
Tgt Ion:188 Resp: 257376  
Ion Ratio Lower Upper  
188 100  
94 7.0 7.0 10.4  
80 7.5 8.8 13.2#



#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.887 ng  
RT: 10.616 min Scan# 1450  
Delta R.T. 0.194 min  
Lab File: BF137299.D  
Acq: 06 Feb 2024 18:52

Tgt Ion:198 Resp: 665  
Ion Ratio Lower Upper  
198 100  
51 151.6 40.9 80.9#  
105 170.1 26.5 66.5#

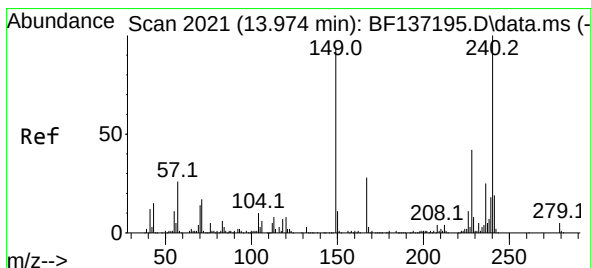
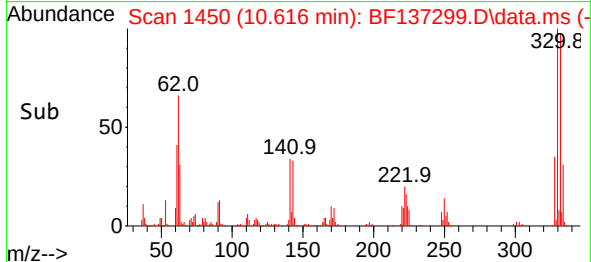
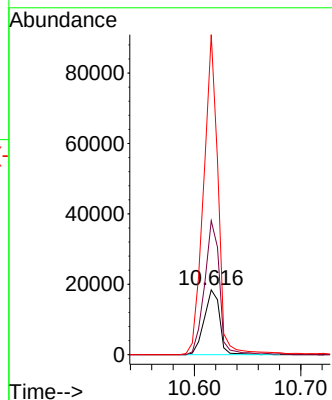
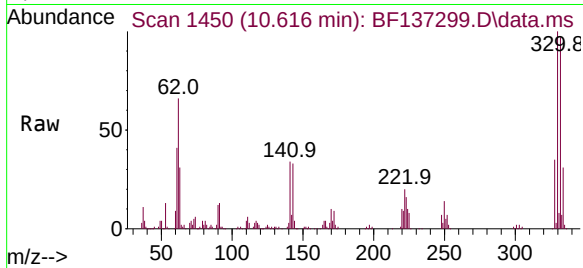




#67  
4-Bromophenyl-phenylether  
Concen: 6.513 ng  
RT: 10.616 min Scan# 14  
Delta R.T. -0.253 min  
Lab File: BF137299.D  
Acq: 06 Feb 2024 18:52

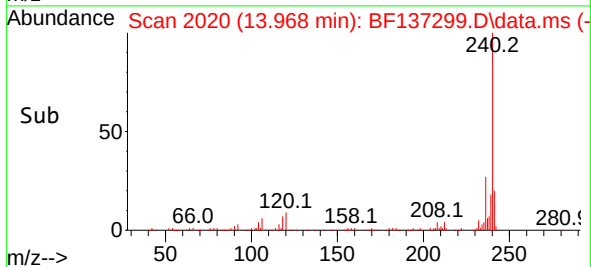
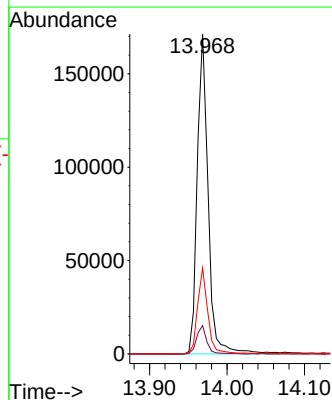
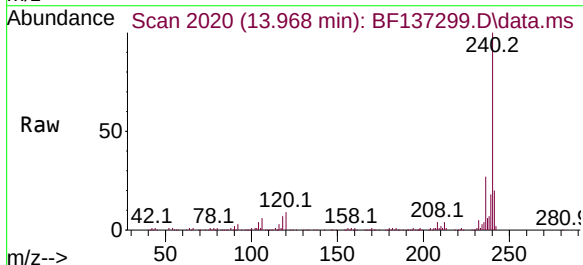
Instrument :  
BNA\_F  
ClientSampleId :  
EB-4-0-2

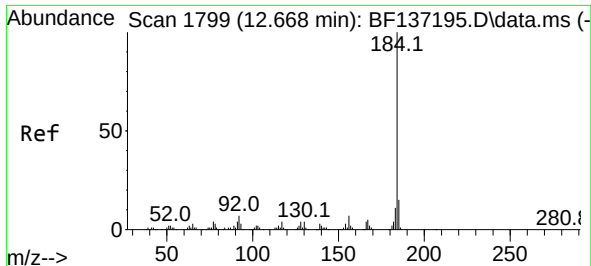
Tgt Ion:248 Resp: 18433  
Ion Ratio Lower Upper  
248 100  
250 206.9 77.7 116.5#  
141 494.7 51.6 77.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. -0.006 min  
Lab File: BF137299.D  
Acq: 06 Feb 2024 18:52

Tgt Ion:240 Resp: 167666  
Ion Ratio Lower Upper  
240 100  
120 8.8 6.3 9.5  
236 26.9 20.3 30.5

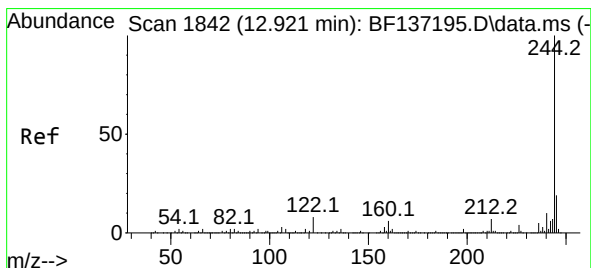
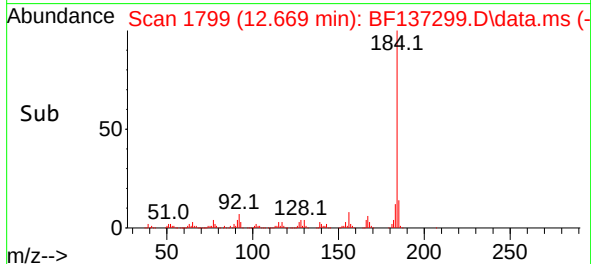
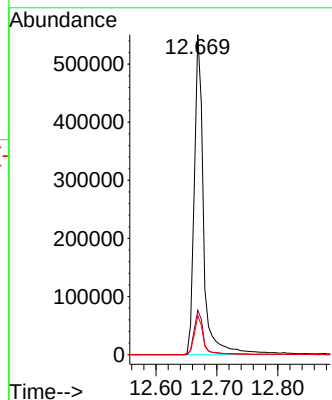
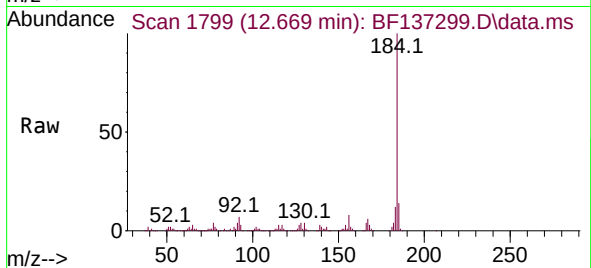




#77  
Benzidine  
Concen: 194.924 ng  
RT: 12.669 min Scan# 1799  
Delta R.T. 0.001 min  
Lab File: BF137299.D  
Acq: 06 Feb 2024 18:52

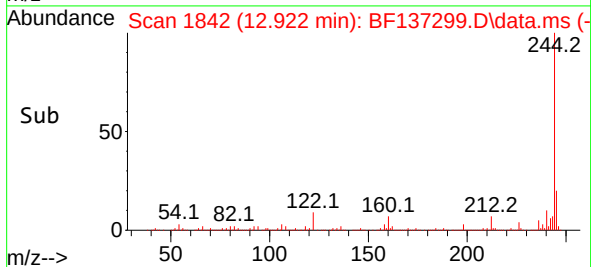
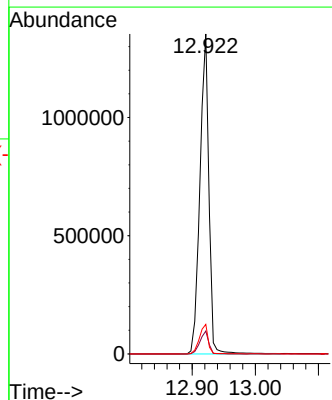
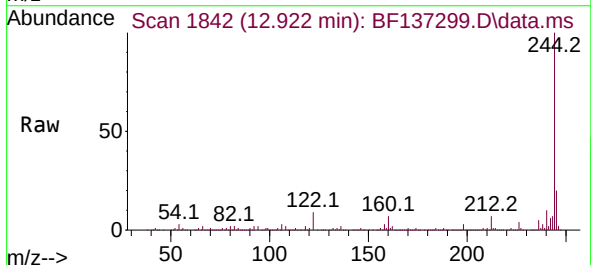
Instrument :  
BNA\_F  
ClientSampleId :  
EB-4-0-2

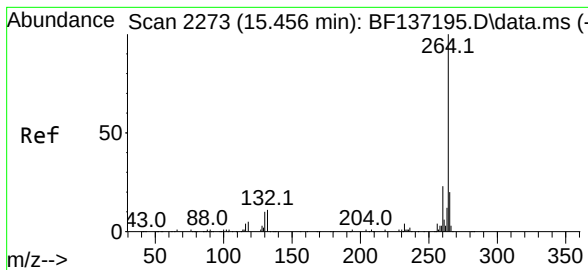
Tgt Ion:184 Resp: 585224  
Ion Ratio Lower Upper  
184 100  
185 13.8 11.9 17.9  
183 12.2 8.8 13.2



#79  
Terphenyl-d14  
Concen: 108.312 ng  
RT: 12.922 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: BF137299.D  
Acq: 06 Feb 2024 18:52

Tgt Ion:244 Resp: 1335858  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.5 8.3  
122 9.2 6.2 9.4





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.451 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF137299.D  
Acq: 06 Feb 2024 18:52

Instrument :  
BNA\_F  
ClientSampleId :  
EB-4-0-2

Tgt Ion:264 Resp: 142836  
Ion Ratio Lower Upper  
264 100  
260 23.3 18.2 27.4  
265 21.0 16.2 24.2

