

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071322\  
 Data File : BM035799.D  
 Acq On : 13 Jul 2022 18:11  
 Operator : CG/JU  
 Sample : N3641-01RE 5X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CL-01-070822RE

Quant Time: Jul 14 01:47:59 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM071322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 14 01:21:21 2022  
 Response via : Initial Calibration

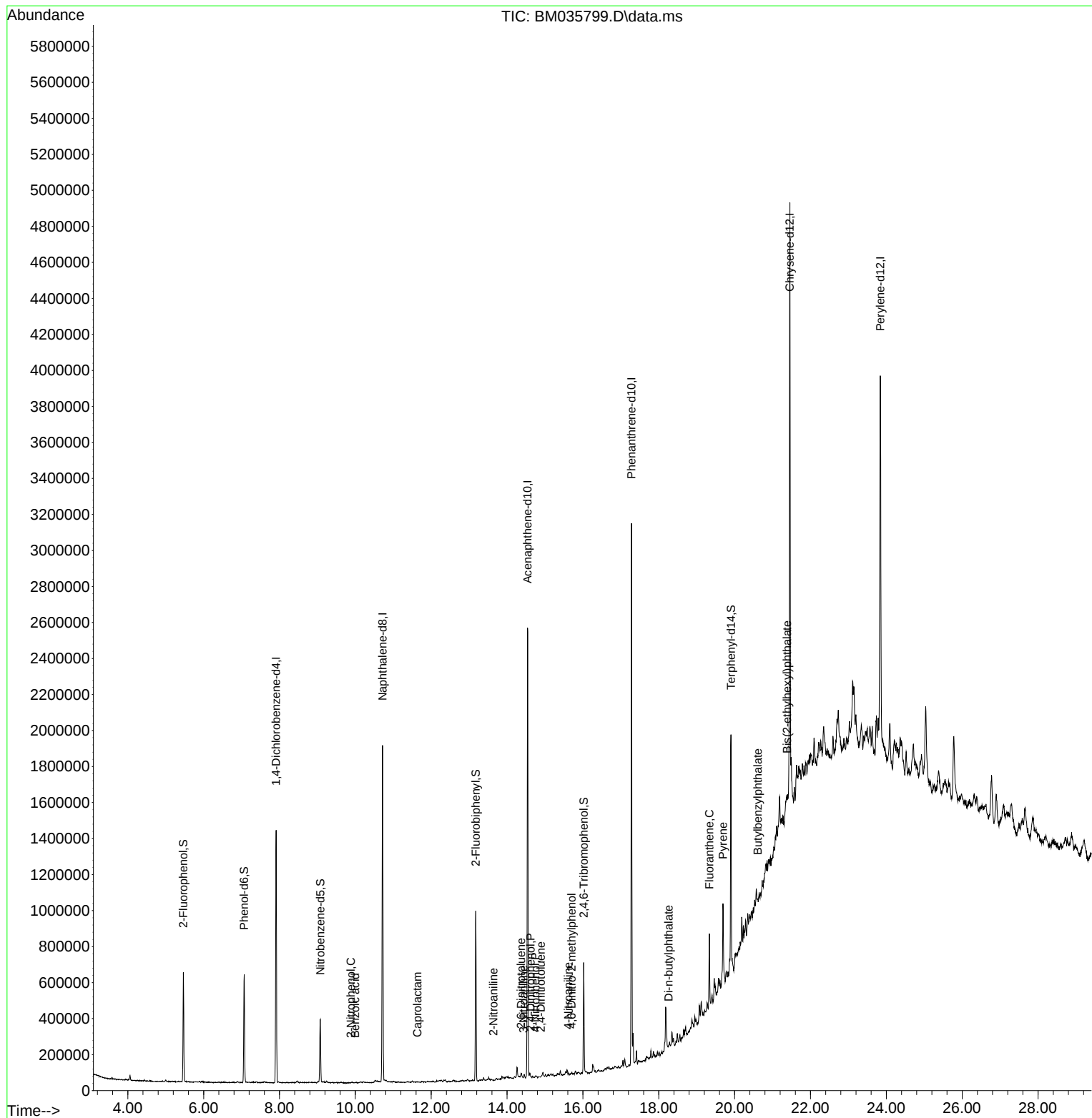
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.910  | 152  | 373758   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.716 | 136  | 1527160  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.539 | 164  | 873349   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.280 | 188  | 1695816  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.456 | 240  | 1442163  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 23.838 | 264  | 1487211  | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.463  | 112  | 267953   | 11.645 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.069  | 99   | 331951   | 11.533 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.075  | 82   | 195028   | 7.301  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.021 | 330  | 109366   | 12.331 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.174 | 172  | 472774   | 7.550  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.903 | 244  | 631720   | 8.503  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 26) 2-Nitrophenol             | 9.880  | 139  | 61       | 4.578  | ng    | # 1      |
| 32) Benzoic acid              | 9.998  | 122  | 219      | 8.050  | ng    | # 1      |
| 35) Caprolactam               | 11.633 | 113  | 150      | 5.119  | ng    | # 1      |
| 48) 2-Nitroaniline            | 13.639 | 65   | 248      | 3.613  | ng    | # 36     |
| 51) 2,6-Dinitrotoluene        | 14.368 | 165  | 432      | 2.329  | ng    | # 91     |
| 53) 3-Nitroaniline            | 14.427 | 138  | 222      | 2.683  | ng    | # 66     |
| 54) 2,4-Dinitrophenol         | 14.621 | 184  | 54       | 7.550  | ng    | # 1      |
| 56) 4-Nitrophenol             | 14.745 | 139  | 1353     | 4.162  | ng    | # 46     |
| 57) 2,4-Dinitrotoluene        | 14.886 | 165  | 110      | 3.343  | ng    | # 70     |
| 62) 4-Nitroaniline            | 15.615 | 138  | 498      | 2.831  | ng    | # 45     |
| 65) 4,6-Dinitro-2-methylph... | 15.698 | 198  | 106      | 6.600  | ng    | # 1      |
| 74) Di-n-butylphthalate       | 18.256 | 149  | 6506     | 2.330  | ng    | # 77     |
| 75) Fluoranthene              | 19.333 | 202  | 220118   | 2.209  | ng    | # 97     |
| 78) Pyrene                    | 19.692 | 202  | 229453   | 2.534  | ng    | # 97     |
| 80) Butylbenzylphthalate      | 20.609 | 149  | 503      | 4.175  | ng    | # 43     |
| 84) Bis(2-ethylhexyl)phtha... | 21.386 | 149  | 8292     | 3.394  | ng    | # 54     |

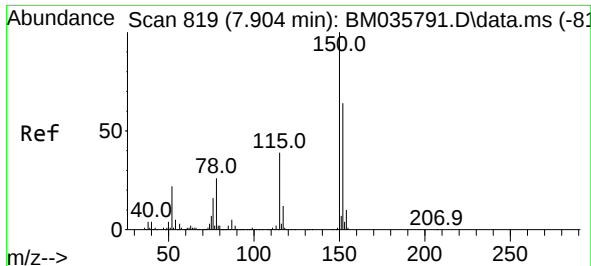
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071322\  
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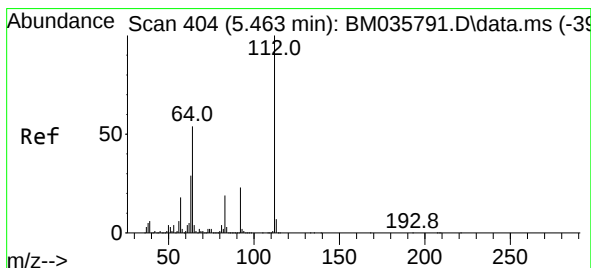
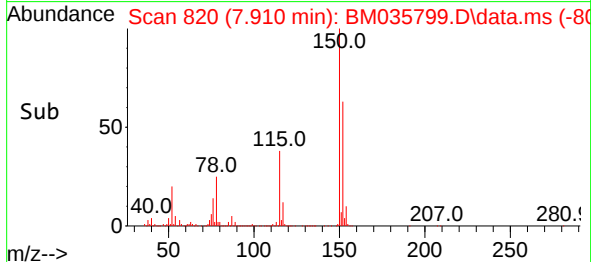
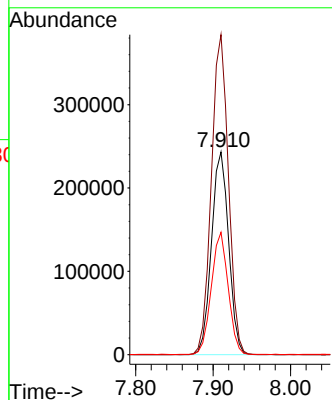
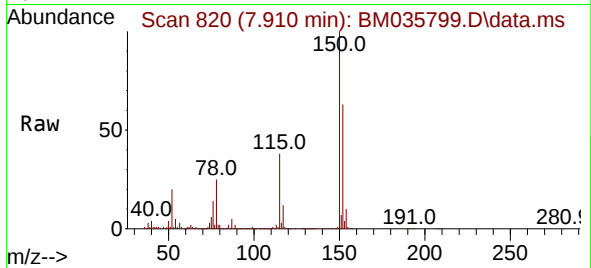




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.910 min Scan# 819  
Delta R.T. 0.006 min  
Lab File: BM035799.D  
Acq: 13 Jul 2022 18:11

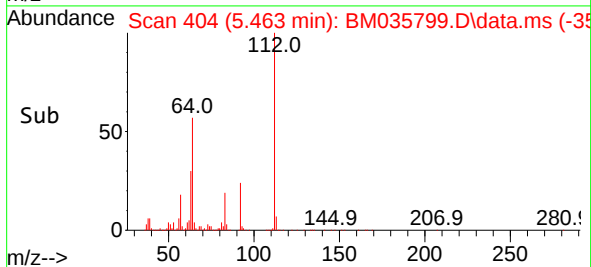
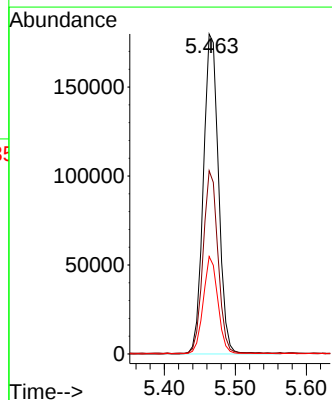
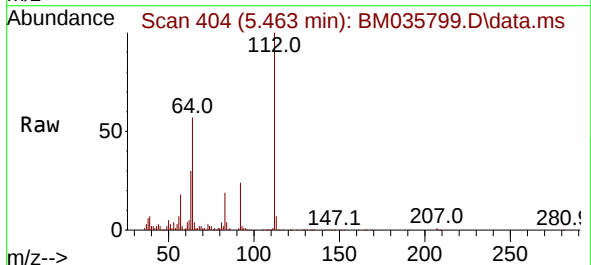
Instrument :  
BNA\_M  
ClientSampleId :  
CL-01-070822RE

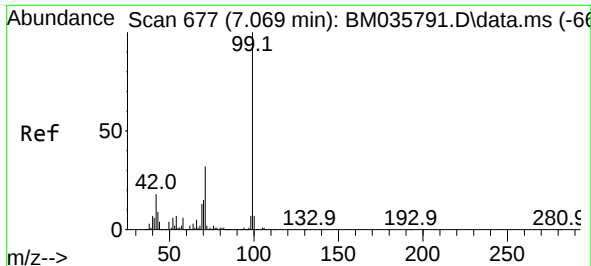
Tgt Ion:152 Resp: 373758  
Ion Ratio Lower Upper  
152 100  
150 157.9 124.9 187.3  
115 60.4 47.9 71.9



#5  
2-Fluorophenol  
Concen: 11.645 ng  
RT: 5.463 min Scan# 404  
Delta R.T. -0.000 min  
Lab File: BM035799.D  
Acq: 13 Jul 2022 18:11

Tgt Ion:112 Resp: 267953  
Ion Ratio Lower Upper  
112 100  
64 57.3 47.8 71.6  
63 30.4 26.6 40.0

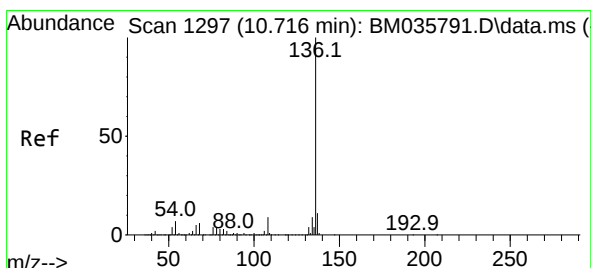
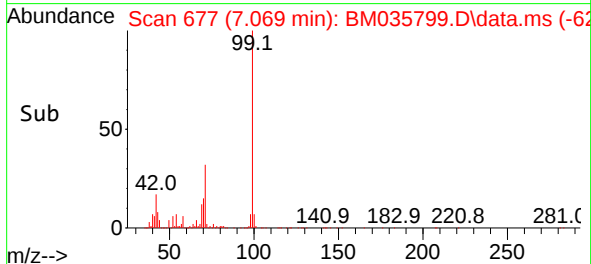
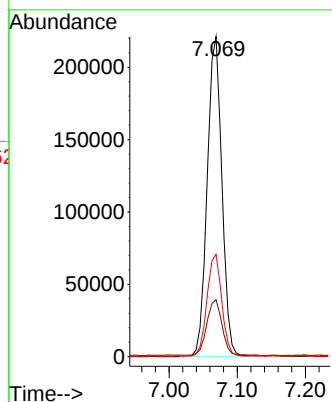
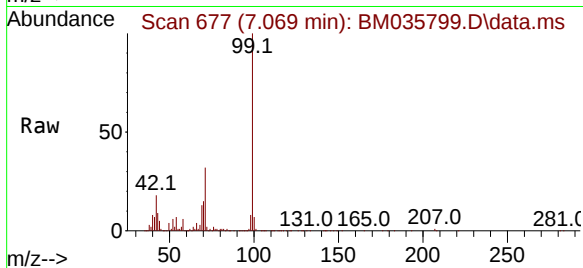




#7  
Phenol-d6  
Concen: 11.533 ng  
RT: 7.069 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BM035799.D  
Acq: 13 Jul 2022 18:11

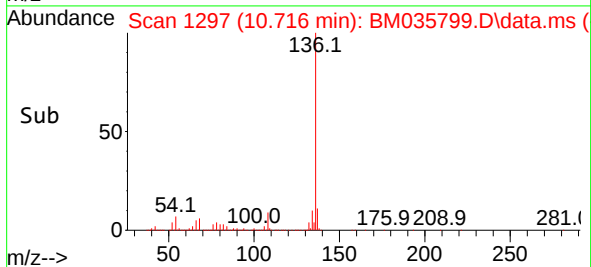
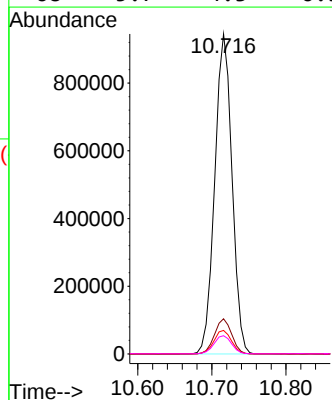
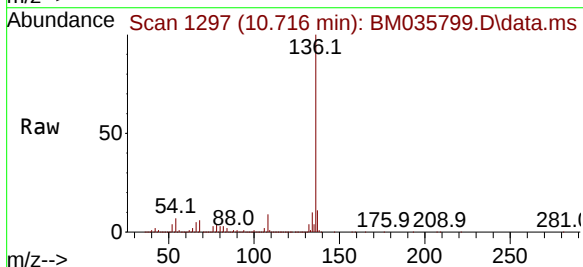
Instrument :  
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ClientSampleId :  
CL-01-070822RE

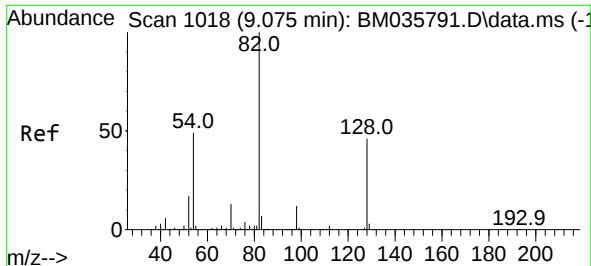
Tgt Ion: 99 Resp: 331951  
Ion Ratio Lower Upper  
99 100  
42 17.8 18.8 28.2#  
71 32.0 30.2 45.2



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.716 min Scan# 1297  
Delta R.T. -0.000 min  
Lab File: BM035799.D  
Acq: 13 Jul 2022 18:11

Tgt Ion:136 Resp: 1527160  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.9 13.3  
54 7.4 7.0 10.4  
68 5.7 4.3 6.5

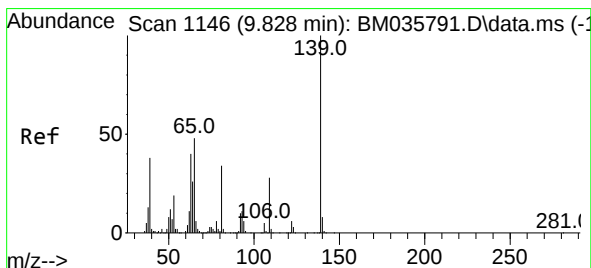
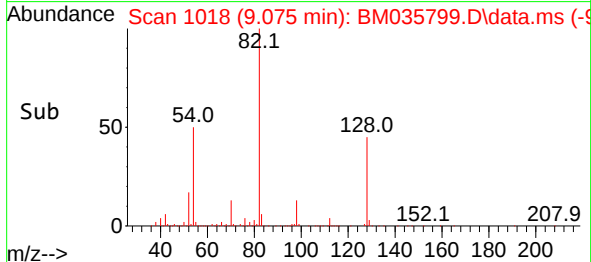
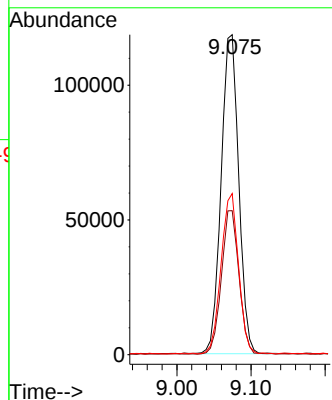
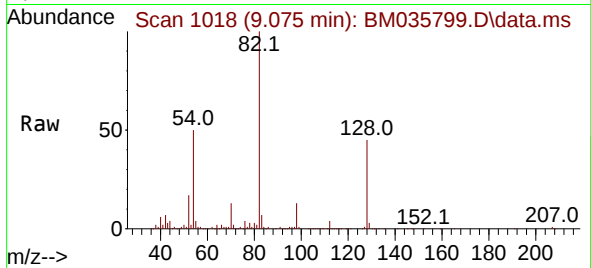




#23  
Nitrobenzene-d5  
Concen: 7.301 ng  
RT: 9.075 min Scan# 1155  
Delta R.T. -0.000 min  
Lab File: BM035799.D  
Acq: 13 Jul 2022 18:11

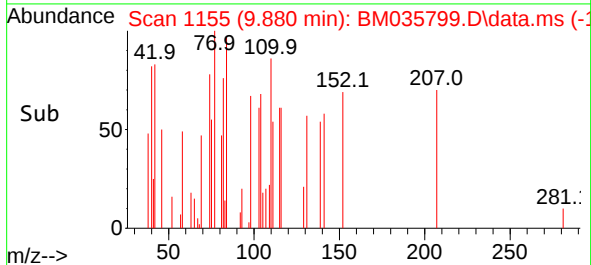
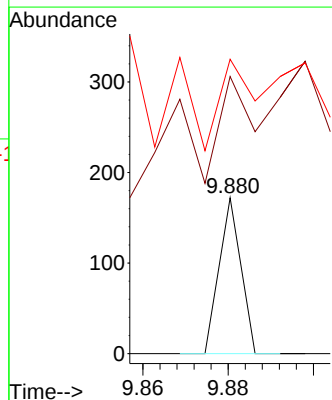
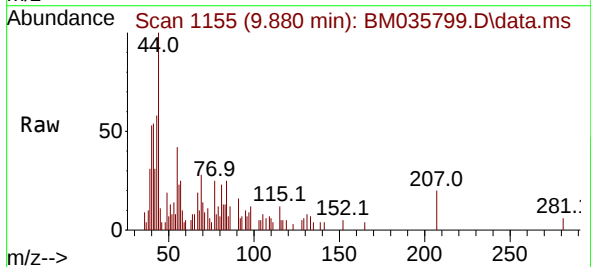
Instrument :  
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ClientSampleId :  
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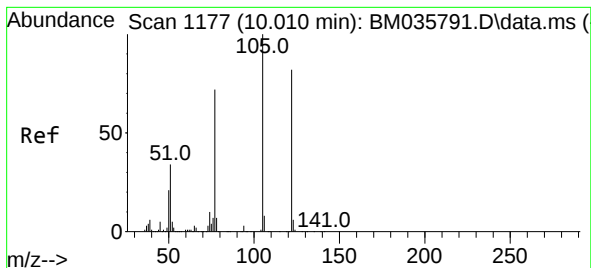
Tgt Ion: 82 Resp: 195028  
Ion Ratio Lower Upper  
82 100  
128 45.0 33.7 50.5  
54 50.3 43.2 64.8



#26  
2-Nitrophenol  
Concen: 4.578 ng  
RT: 9.880 min Scan# 1155  
Delta R.T. 0.052 min  
Lab File: BM035799.D  
Acq: 13 Jul 2022 18:11

Tgt Ion:139 Resp: 61  
Ion Ratio Lower Upper  
139 100  
109 177.9 25.6 38.4#  
65 189.0 43.2 64.8#

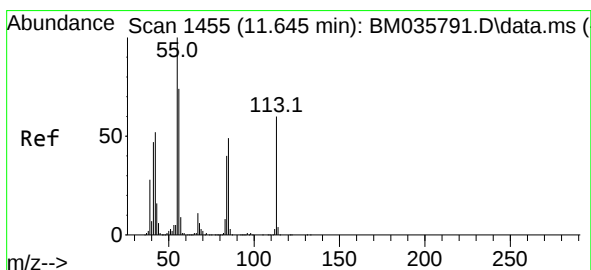
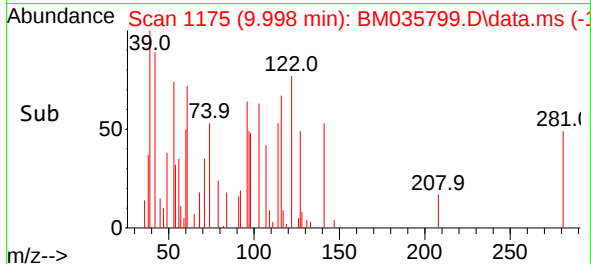
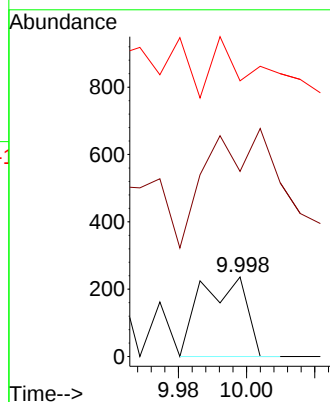
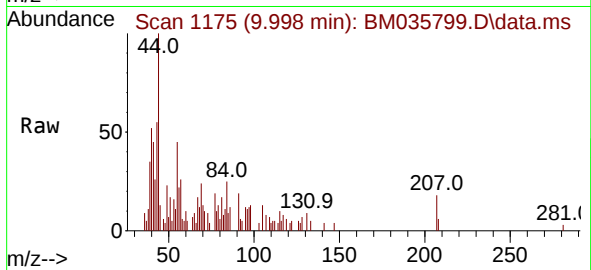




#32  
Benzoic acid  
Concen: 8.050 ng  
RT: 9.998 min Scan# 1175  
Delta R.T. -0.012 min  
Lab File: BM035799.D  
Acq: 13 Jul 2022 18:11

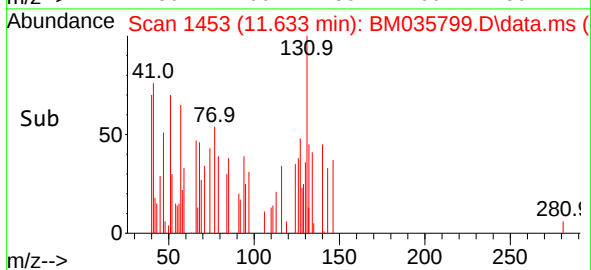
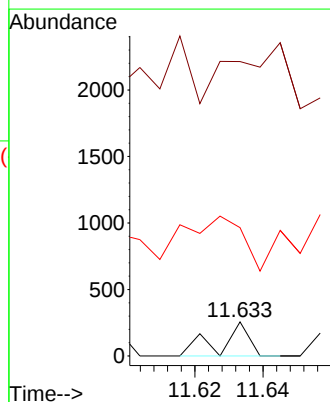
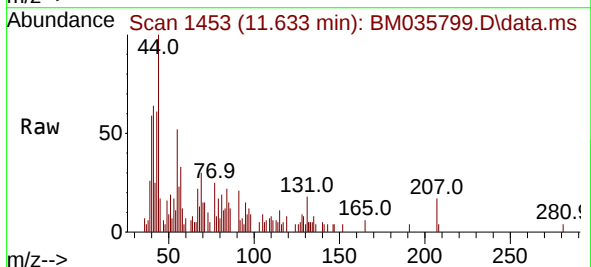
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ClientSampleId :  
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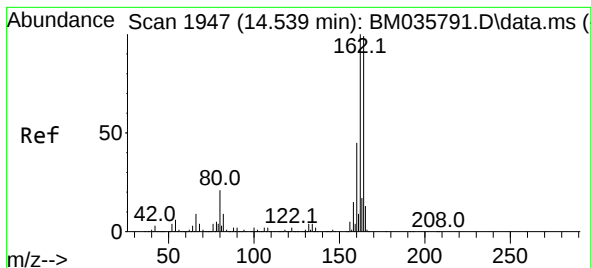
Tgt Ion:122 Resp: 219  
Ion Ratio Lower Upper  
122 100  
105 233.1 105.7 145.7#  
77 347.0 80.0 120.0#



#35  
Caprolactam  
Concen: 5.119 ng  
RT: 11.633 min Scan# 1453  
Delta R.T. -0.012 min  
Lab File: BM035799.D  
Acq: 13 Jul 2022 18:11

Tgt Ion:113 Resp: 150  
Ion Ratio Lower Upper  
113 100  
55 861.5 150.1 190.1#  
56 375.5 111.7 151.7#

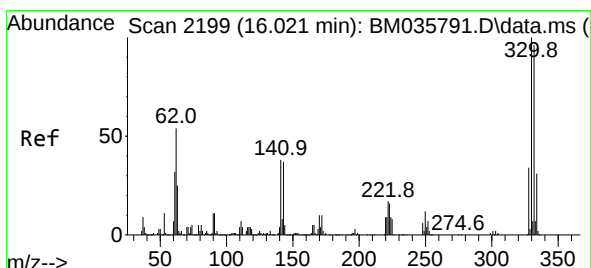
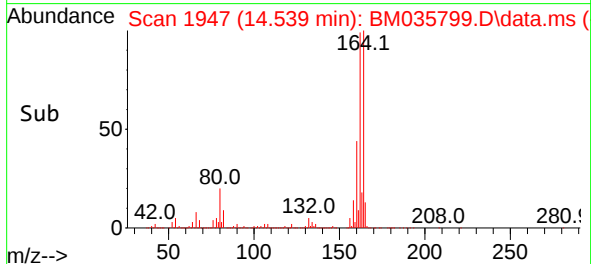
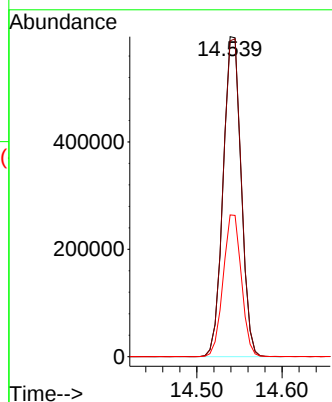
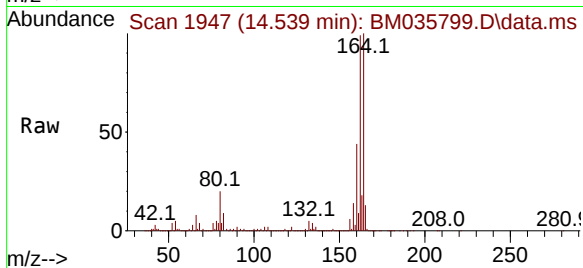




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.539 min Scan# 1947  
Delta R.T. -0.000 min  
Lab File: BM035799.D  
Acq: 13 Jul 2022 18:11

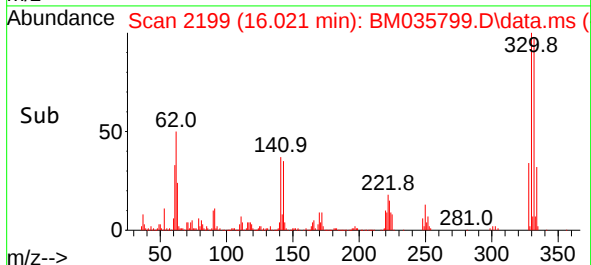
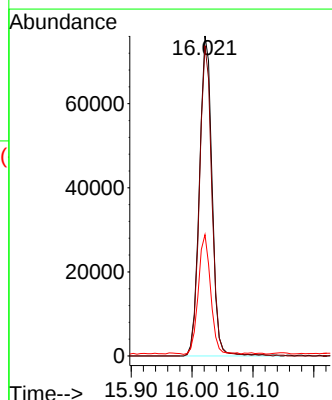
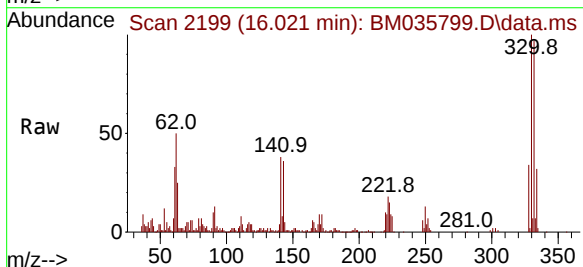
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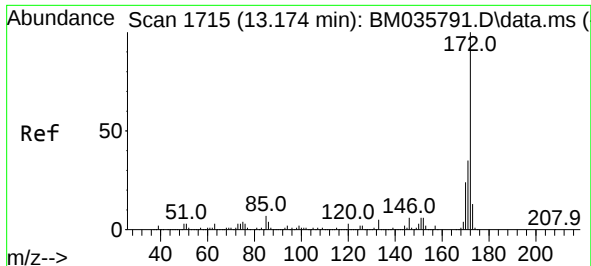
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Ion Ratio Lower Upper  
164 100  
162 98.7 83.0 124.6  
160 44.3 37.0 55.4



#42  
2,4,6-Tribromophenol  
Concen: 12.331 ng  
RT: 16.021 min Scan# 2199  
Delta R.T. -0.000 min  
Lab File: BM035799.D  
Acq: 13 Jul 2022 18:11

Tgt Ion:330 Resp: 109366  
Ion Ratio Lower Upper  
330 100  
332 95.0 77.0 115.4  
141 36.7 35.3 52.9

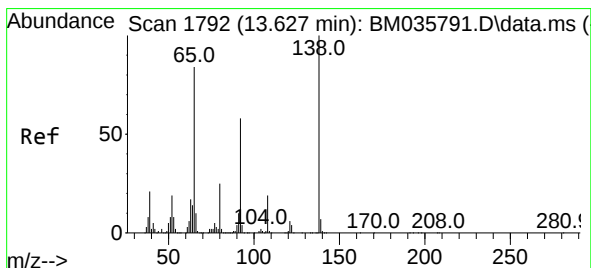
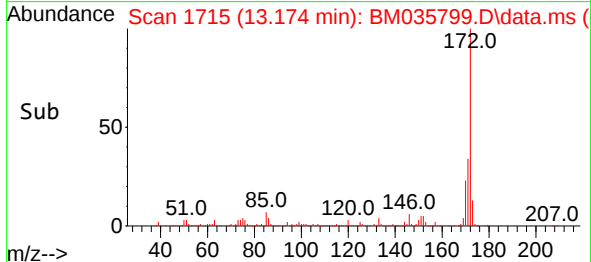
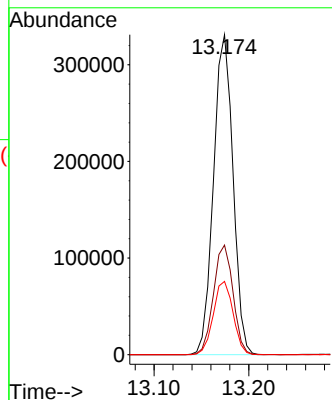
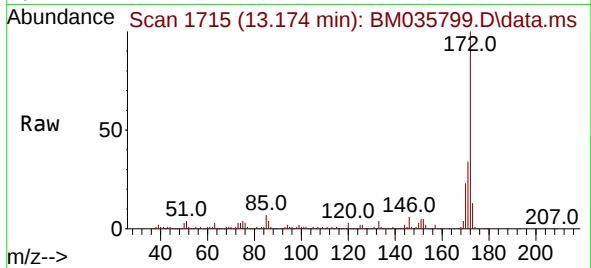




#45  
2-Fluorobiphenyl  
Concen: 7.550 ng  
RT: 13.174 min Scan# 1715  
Delta R.T. -0.000 min  
Lab File: BM035799.D  
Acq: 13 Jul 2022 18:11

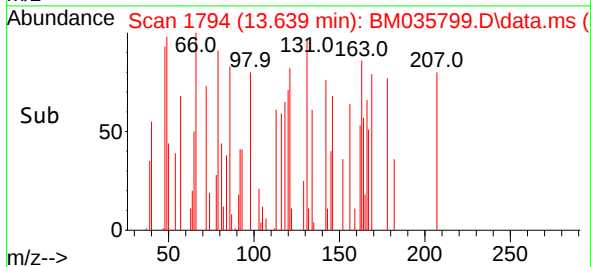
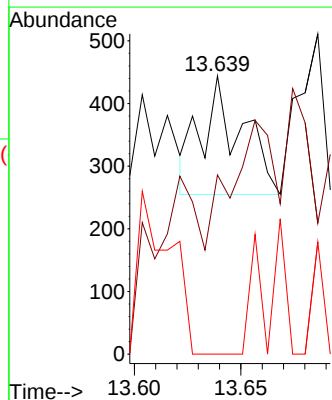
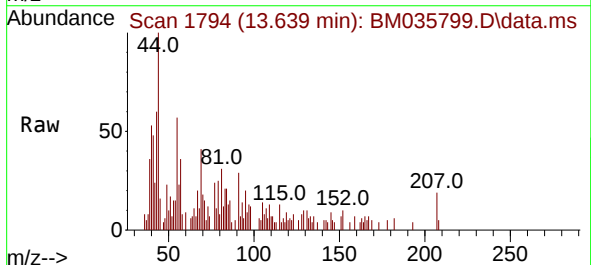
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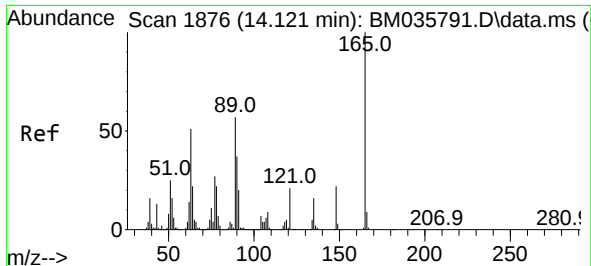
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Ion Ratio Lower Upper  
172 100  
171 34.3 28.5 42.7  
170 22.9 18.7 28.1



#48  
2-Nitroaniline  
Concen: 3.613 ng  
RT: 13.639 min Scan# 1794  
Delta R.T. 0.012 min  
Lab File: BM035799.D  
Acq: 13 Jul 2022 18:11

Tgt Ion: 65 Resp: 248  
Ion Ratio Lower Upper  
65 100  
92 64.4 53.7 80.5  
138 0.0 83.9 125.9#

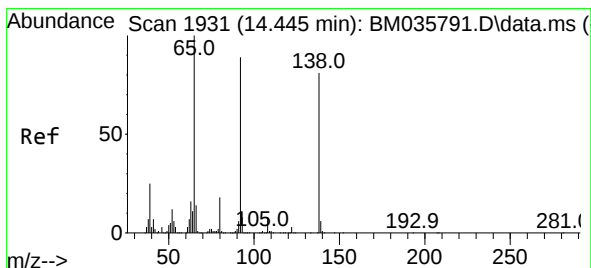
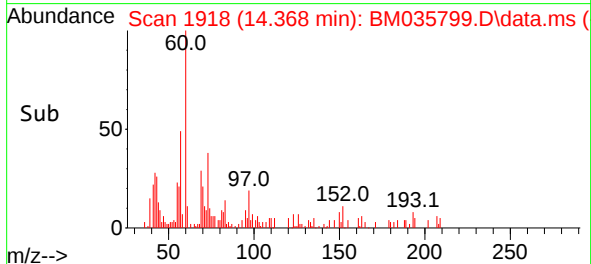
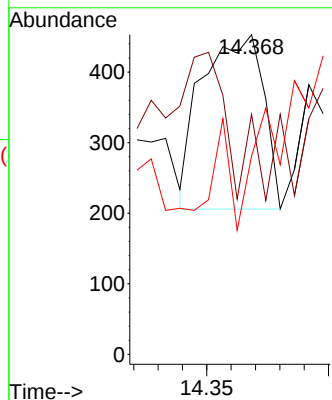
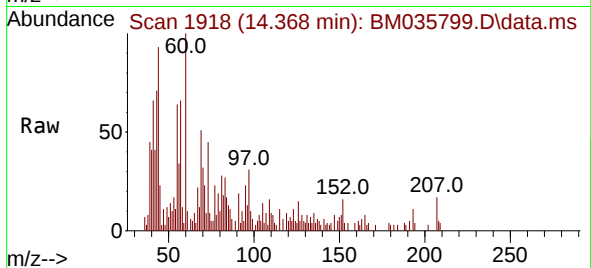




#51  
2,6-Dinitrotoluene  
Concen: 2.329 ng  
RT: 14.368 min Scan# 1918  
Delta R.T. 0.247 min  
Lab File: BM035799.D  
Acq: 13 Jul 2022 18:11

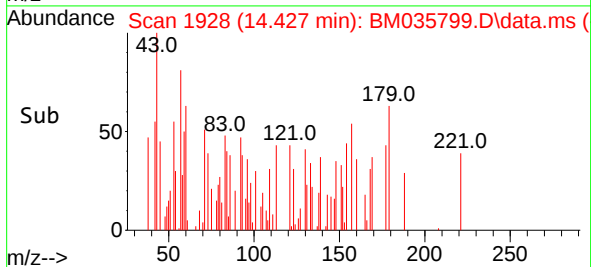
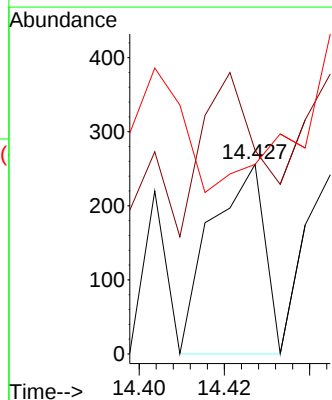
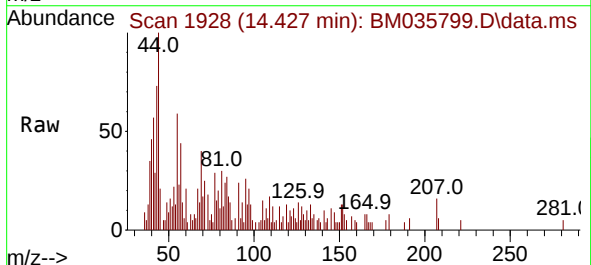
Instrument :  
BNA\_M  
ClientSampleId :  
CL-01-070822RE

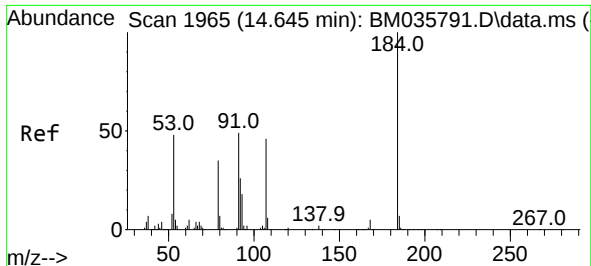
Tgt Ion:165 Resp: 432  
Ion Ratio Lower Upper  
165 100  
63 75.1 50.2 75.2  
89 62.0 48.4 72.6



#53  
3-Nitroaniline  
Concen: 2.683 ng  
RT: 14.427 min Scan# 1928  
Delta R.T. -0.018 min  
Lab File: BM035799.D  
Acq: 13 Jul 2022 18:11

Tgt Ion:138 Resp: 222  
Ion Ratio Lower Upper  
138 100  
108 107.4 8.7 13.1#  
92 100.0 91.5 137.3

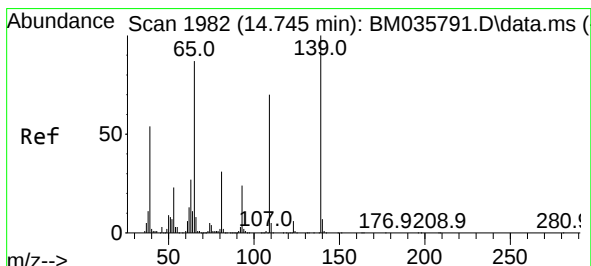
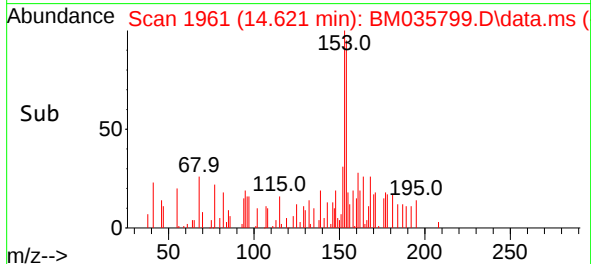
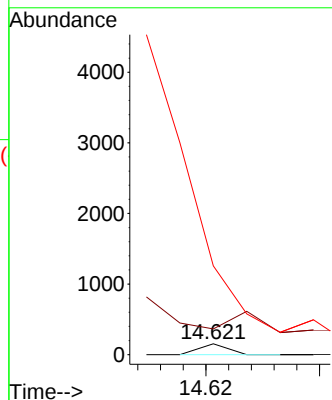
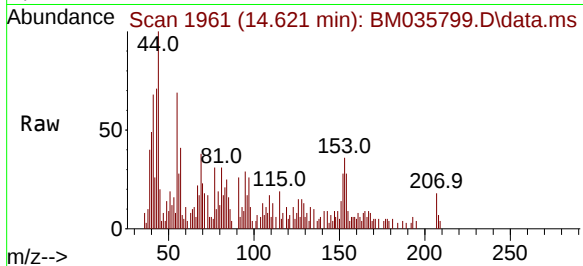




#54  
2,4-Dinitrophenol  
Concen: 7.550 ng  
RT: 14.621 min Scan# 1961  
Delta R.T. -0.024 min  
Lab File: BM035799.D  
Acq: 13 Jul 2022 18:11

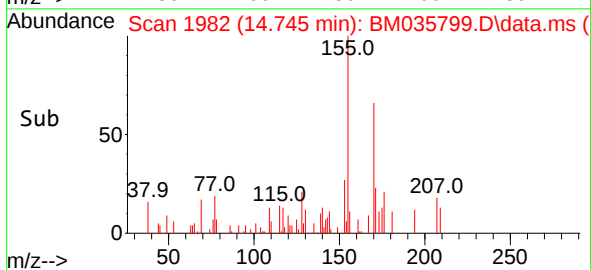
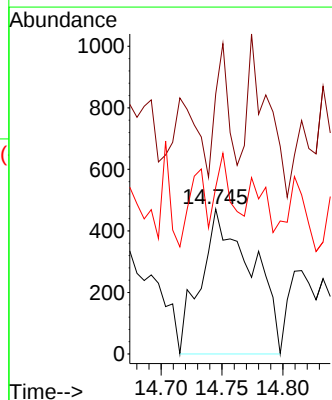
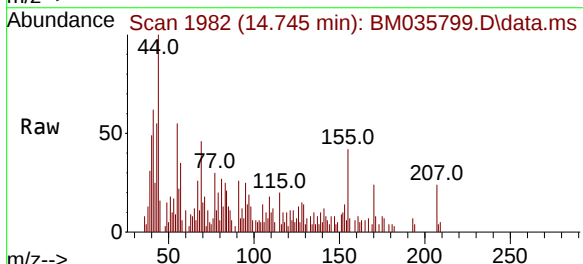
Instrument :  
BNA\_M  
ClientSampleId :  
CL-01-070822RE

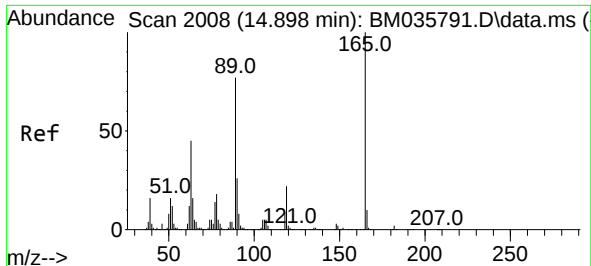
Tgt Ion:184 Resp: 54  
Ion Ratio Lower Upper  
184 100  
63 236.4 59.5 89.3#  
154 816.2 55.6 83.4#



#56  
4-Nitrophenol  
Concen: 4.162 ng  
RT: 14.745 min Scan# 1982  
Delta R.T. -0.000 min  
Lab File: BM035799.D  
Acq: 13 Jul 2022 18:11

Tgt Ion:139 Resp: 1353  
Ion Ratio Lower Upper  
139 100  
109 179.4 62.5 102.5#  
65 115.1 83.5 123.5

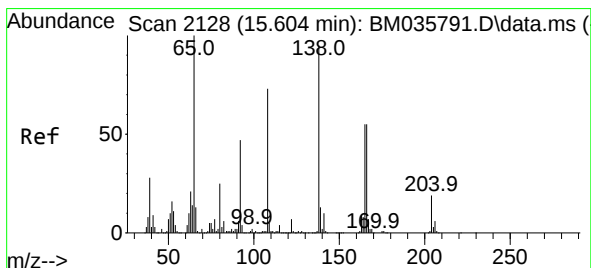
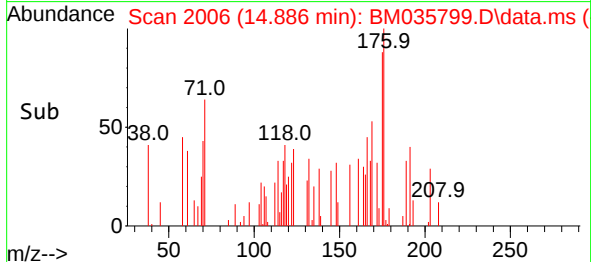
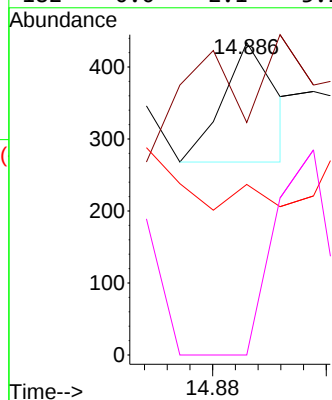
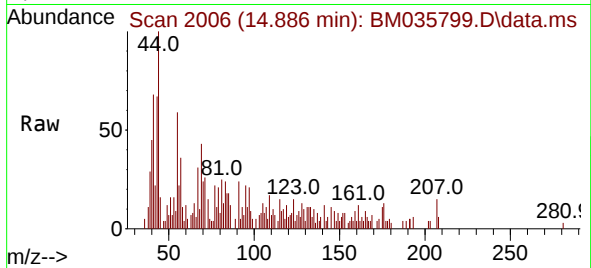




#57  
2,4-Dinitrotoluene  
Concen: 3.343 ng  
RT: 14.886 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BM035799.D  
Acq: 13 Jul 2022 18:11

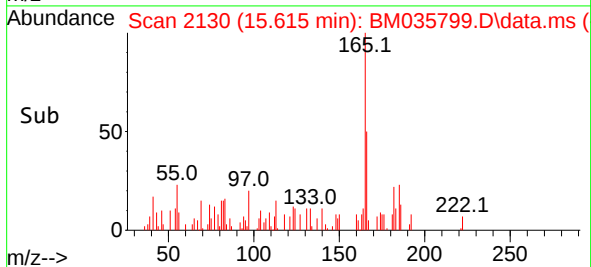
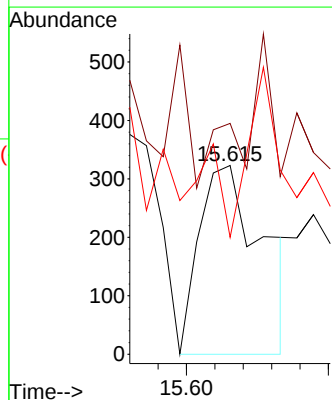
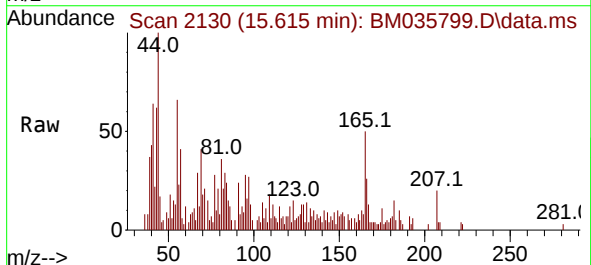
Instrument :  
BNA\_M  
ClientSampleId :  
CL-01-070822RE

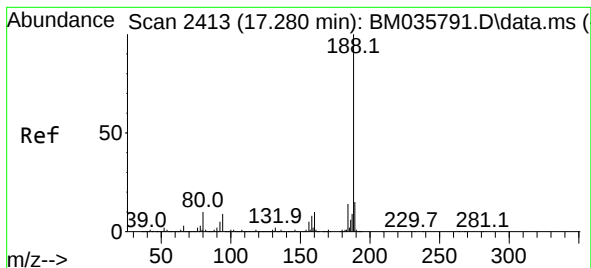
Tgt Ion:165 Resp: 110  
Ion Ratio Lower Upper  
165 100  
63 74.4 35.6 53.4#  
89 54.6 57.3 85.9#  
182 0.0 2.1 3.1#



#62  
4-Nitroaniline  
Concen: 2.831 ng  
RT: 15.615 min Scan# 2130  
Delta R.T. 0.011 min  
Lab File: BM035799.D  
Acq: 13 Jul 2022 18:11

Tgt Ion:138 Resp: 498  
Ion Ratio Lower Upper  
138 100  
92 122.3 30.8 70.8#  
108 61.9 65.7 105.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.280 min Scan# 2413

Delta R.T. -0.000 min

Lab File: BM035799.D

Acq: 13 Jul 2022 18:11

Instrument :

BNA\_M

ClientSampleId :

CL-01-070822RE

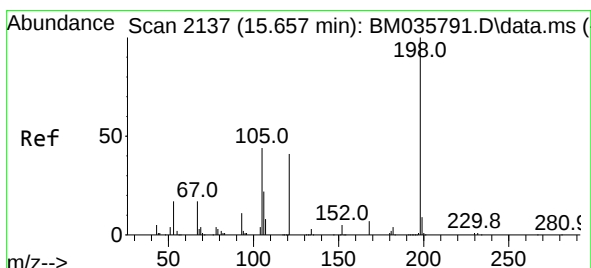
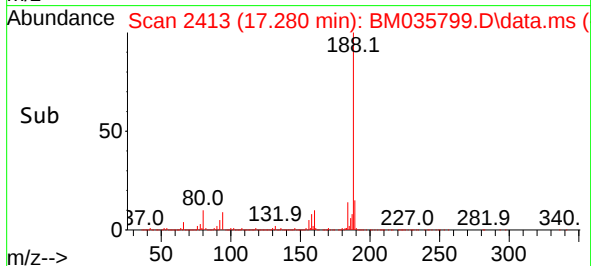
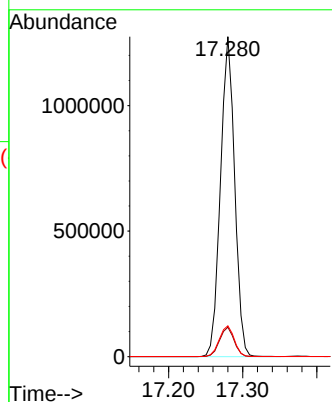
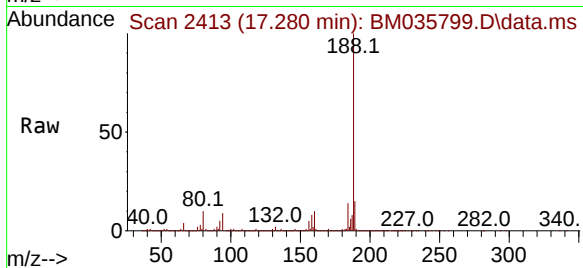
Tgt Ion:188 Resp: 1695816

Ion Ratio Lower Upper

188 100

94 9.2 7.0 10.4

80 9.7 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 6.600 ng

RT: 15.698 min Scan# 2144

Delta R.T. 0.041 min

Lab File: BM035799.D

Acq: 13 Jul 2022 18:11

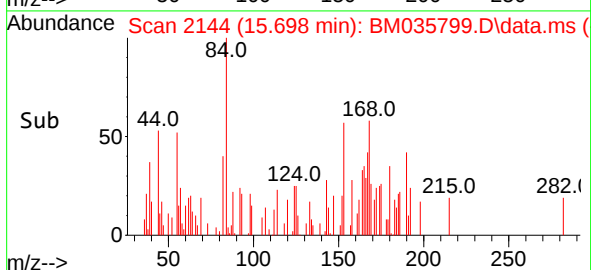
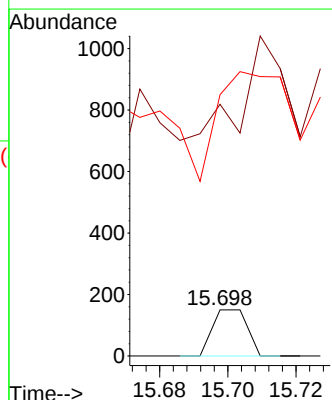
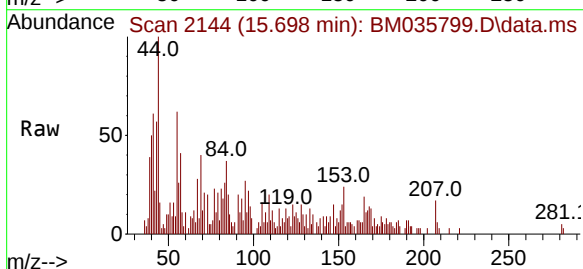
Tgt Ion:198 Resp: 106

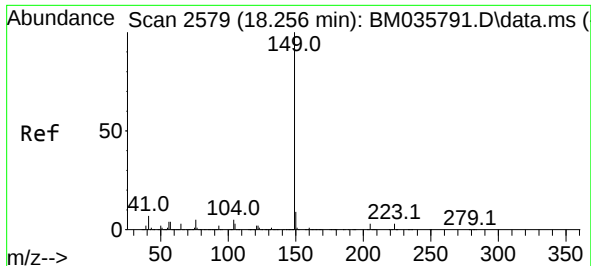
Ion Ratio Lower Upper

198 100

51 546.0 29.0 69.0#

105 566.7 22.1 62.1#

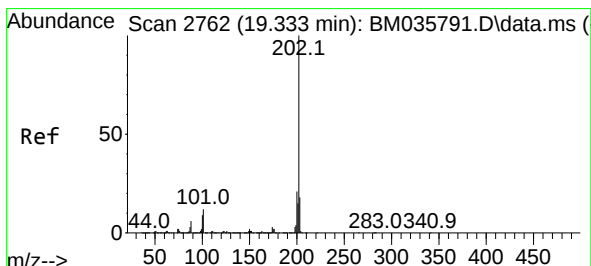
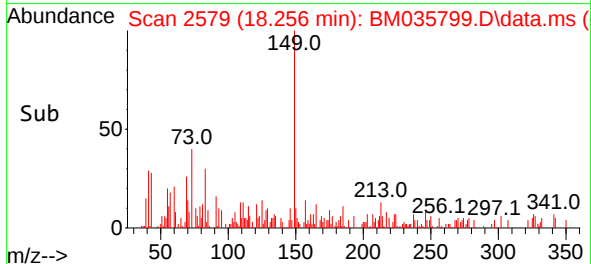
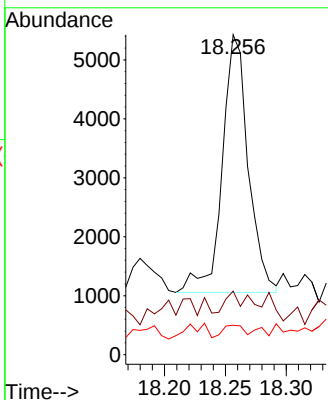
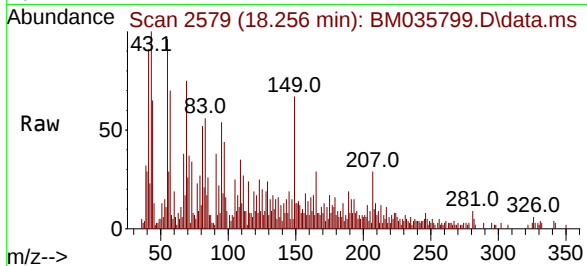




#74  
Di-n-butylphthalate  
Concen: 2.330 ng  
RT: 18.256 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM035799.D  
Acq: 13 Jul 2022 18:11

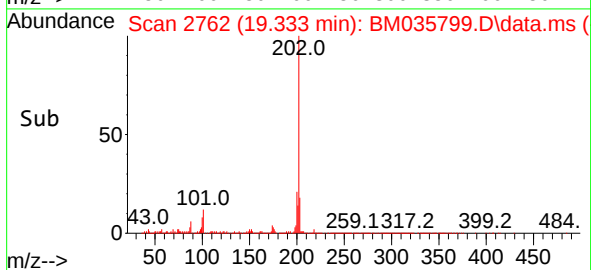
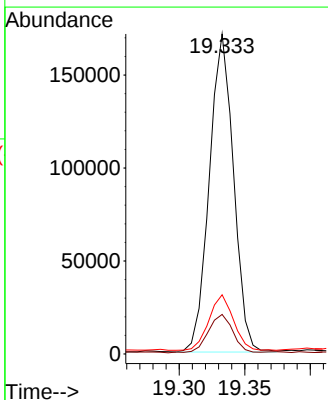
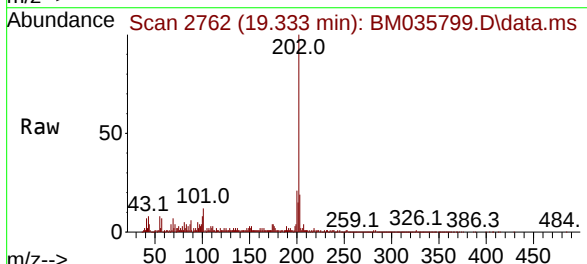
Instrument :  
BNA\_M  
ClientSampleId :  
CL-01-070822RE

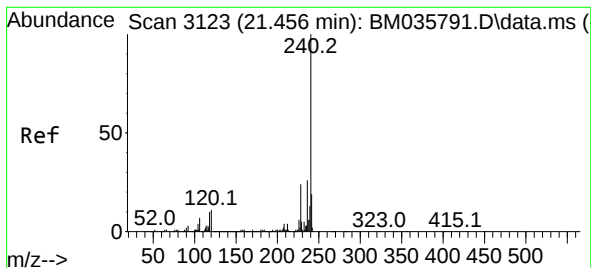
Tgt Ion:149 Resp: 6506  
Ion Ratio Lower Upper  
149 100  
150 19.8 7.3 10.9#  
104 9.2 4.3 6.5#



#75  
Fluoranthene  
Concen: 2.209 ng  
RT: 19.333 min Scan# 2762  
Delta R.T. -0.000 min  
Lab File: BM035799.D  
Acq: 13 Jul 2022 18:11

Tgt Ion:202 Resp: 220118  
Ion Ratio Lower Upper  
202 100  
101 12.3 0.0 30.6  
203 18.5 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.456 min Scan# 3123

Delta R.T. 0.000 min

Lab File: BM035799.D

Acq: 13 Jul 2022 18:11

Instrument :

BNA\_M

ClientSampleId :

CL-01-070822RE

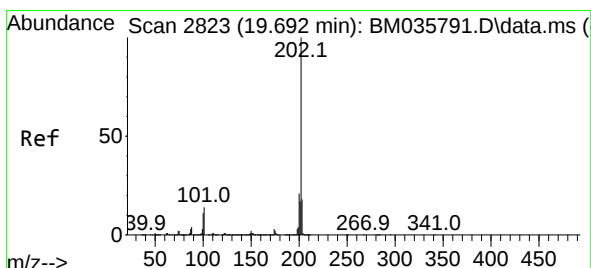
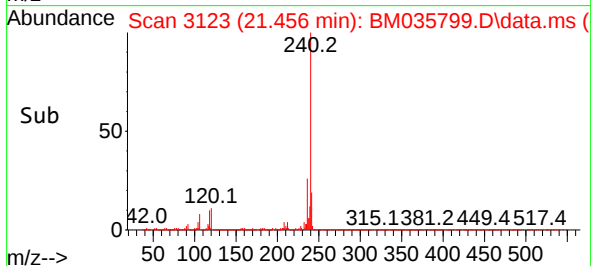
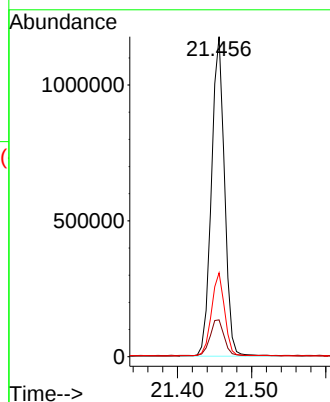
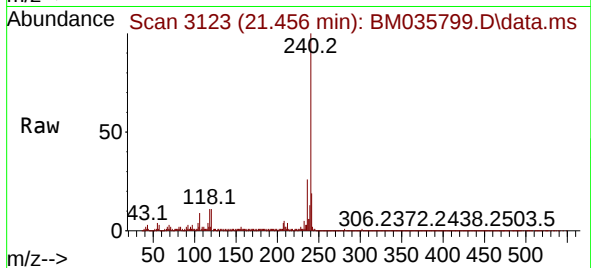
Tgt Ion:240 Resp: 1442163

Ion Ratio Lower Upper

240 100

120 11.5 9.4 14.0

236 26.2 20.6 30.8



#78

Pyrene

Concen: 2.534 ng

RT: 19.692 min Scan# 2823

Delta R.T. -0.000 min

Lab File: BM035799.D

Acq: 13 Jul 2022 18:11

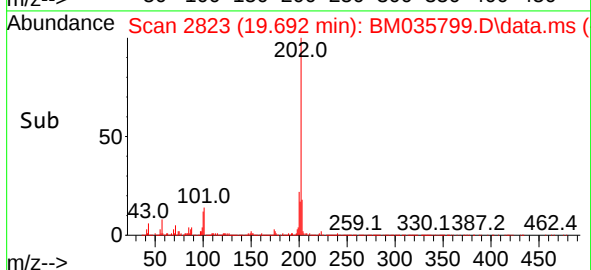
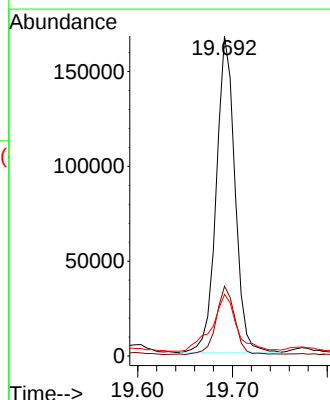
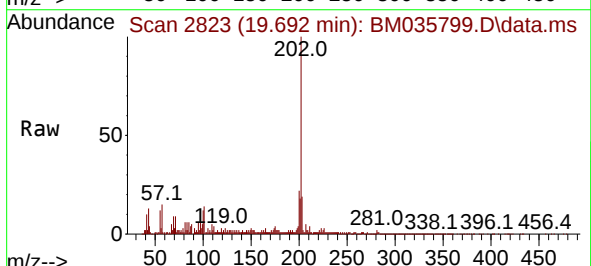
Tgt Ion:202 Resp: 229453

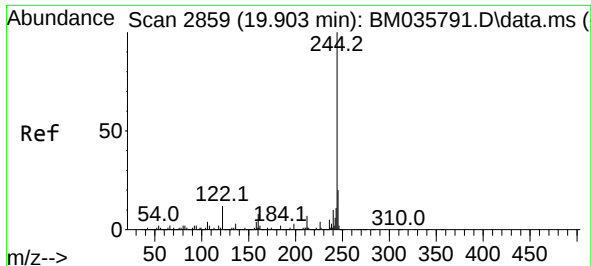
Ion Ratio Lower Upper

202 100

200 21.7 16.7 25.1

203 19.3 13.9 20.9

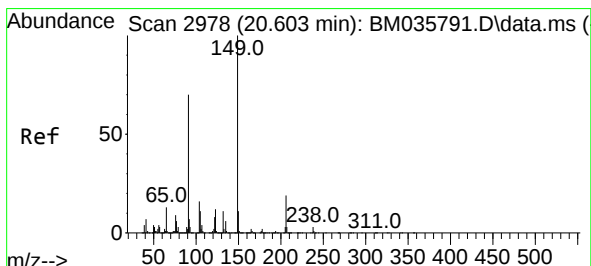
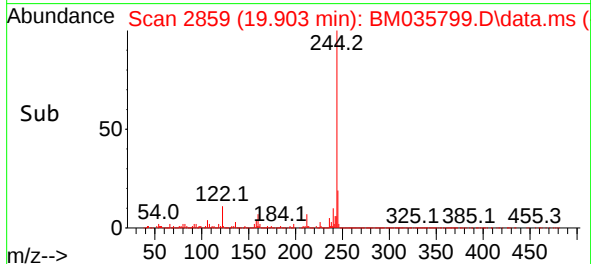
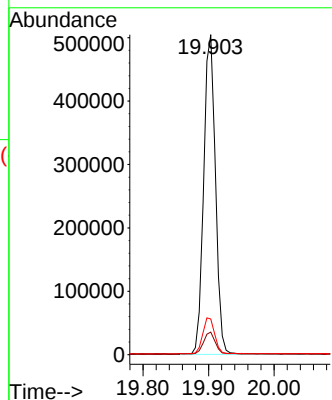
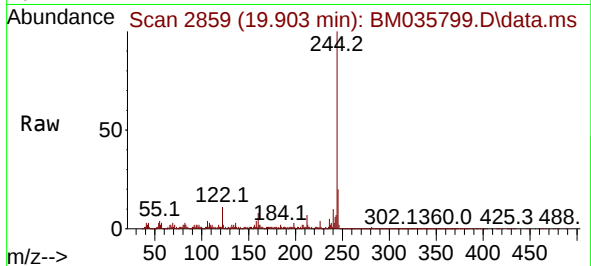




#79  
 Terphenyl-d14  
 Concen: 8.503 ng  
 RT: 19.903 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BM035799.D  
 Acq: 13 Jul 2022 18:11

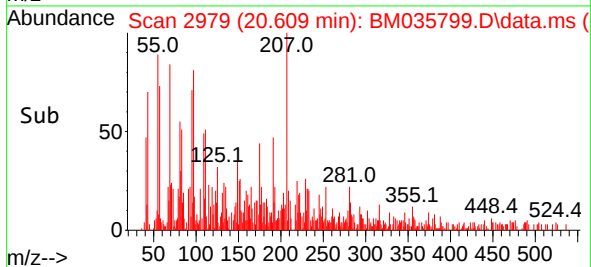
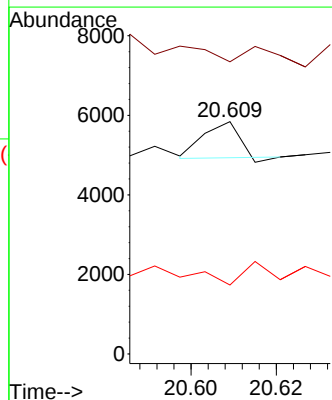
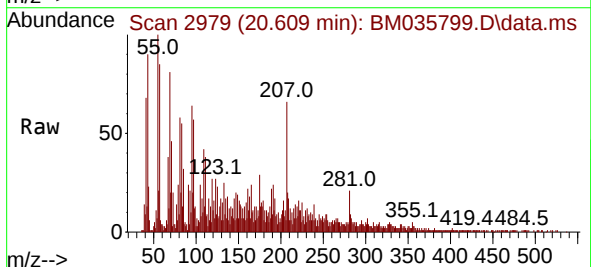
Instrument :  
 BNA\_M  
 ClientSampleId :  
 CL-01-070822RE

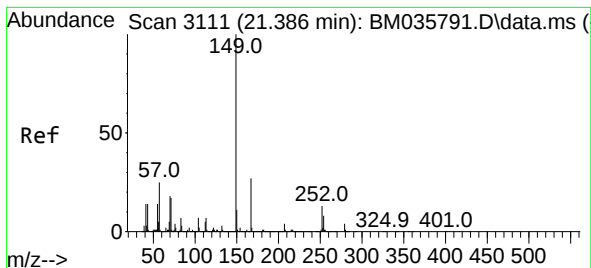
Tgt Ion:244 Resp: 631720  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.2 9.4  
 122 11.2 8.3 12.5



#80  
 Butylbenzylphthalate  
 Concen: 4.175 ng  
 RT: 20.609 min Scan# 2979  
 Delta R.T. 0.006 min  
 Lab File: BM035799.D  
 Acq: 13 Jul 2022 18:11

Tgt Ion:149 Resp: 503  
 Ion Ratio Lower Upper  
 149 100  
 91 125.8 56.6 85.0#  
 206 29.7 15.4 23.0#

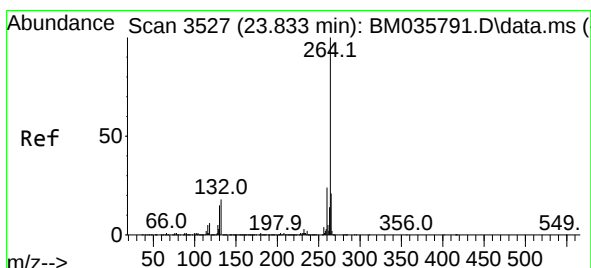
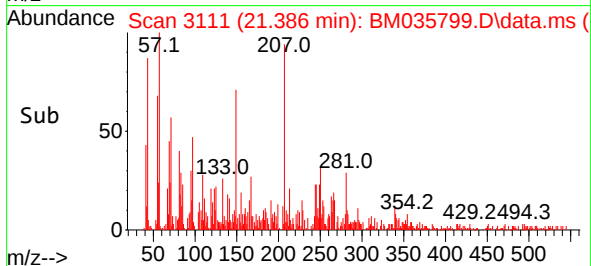
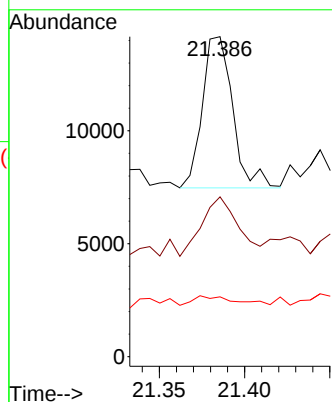
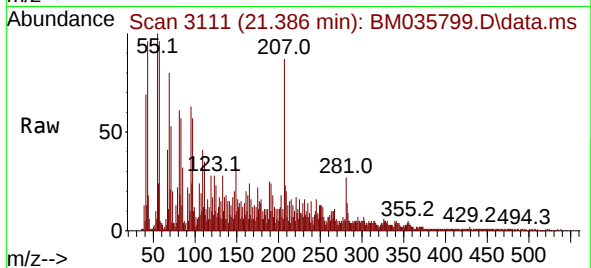




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 3.394 ng  
RT: 21.386 min Scan# 3111  
Delta R.T. -0.000 min  
Lab File: BM035799.D  
Acq: 13 Jul 2022 18:11

Instrument :  
BNA\_M  
ClientSampleId :  
CL-01-070822RE

Tgt Ion:149 Resp: 8292  
Ion Ratio Lower Upper  
149 100  
167 49.9 21.1 31.7#  
279 18.7 2.8 4.2#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.838 min Scan# 3528  
Delta R.T. 0.005 min  
Lab File: BM035799.D  
Acq: 13 Jul 2022 18:11

Tgt Ion:264 Resp: 1487211  
Ion Ratio Lower Upper  
264 100  
260 24.4 18.9 28.3  
265 22.5 17.5 26.3

