

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF013023\  
 Data File : BF132216.D  
 Acq On : 30 Jan 2023 18:01  
 Operator : CG\JU  
 Sample : 01327-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 N48965

Quant Time: Jan 31 00:31:45 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF012723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jan 28 02:25:45 2023  
 Response via : Initial Calibration

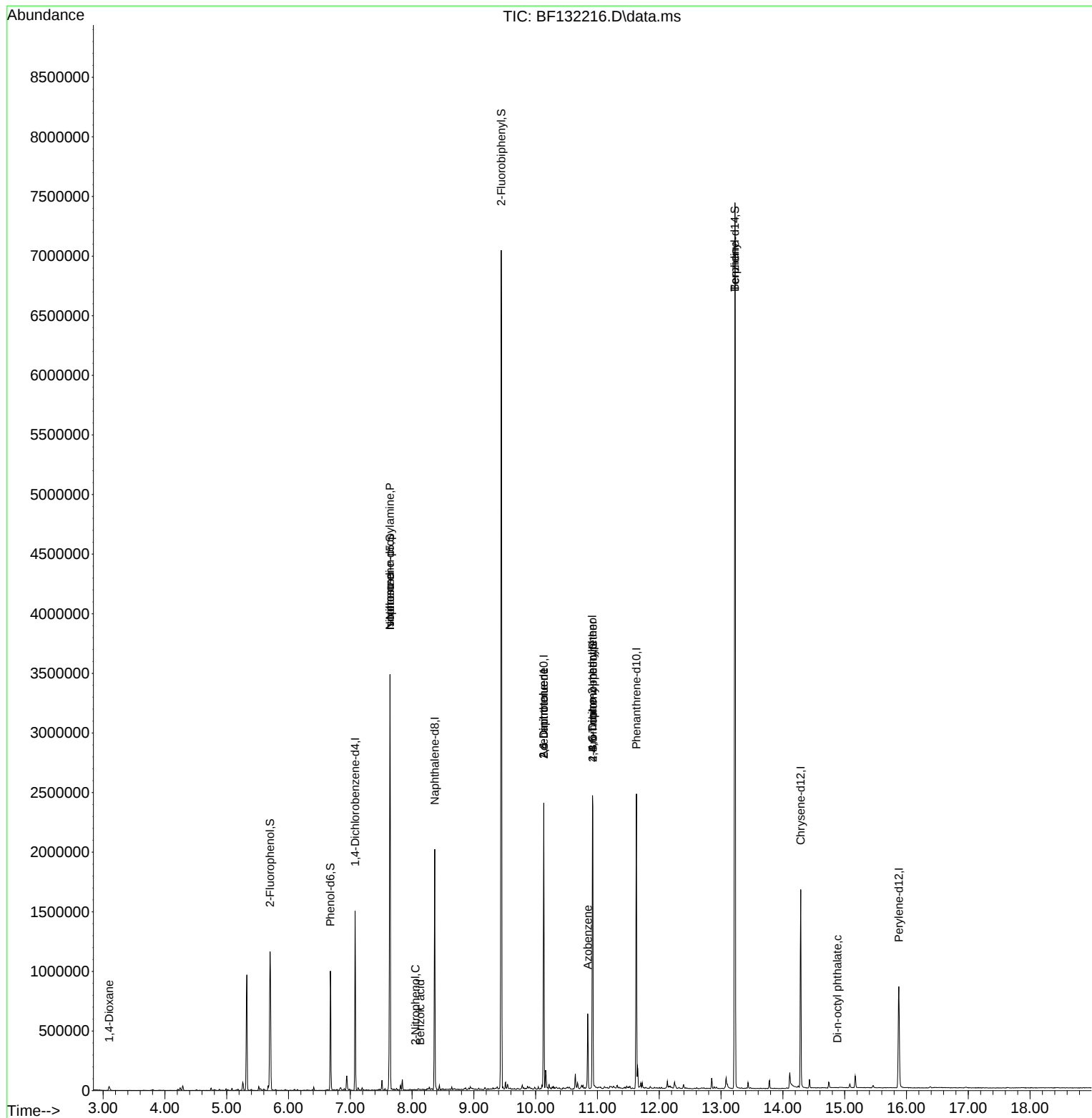
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.078  | 152  | 215622   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.366  | 136  | 793667   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.130 | 164  | 433556   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.630 | 188  | 853073   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.289 | 240  | 510072   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.877 | 264  | 416632   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.701  | 112  | 452204   | 34.894 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.678  | 99   | 348479   | 21.446 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.642  | 82   | 1259932  | 83.109 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.925 | 330  | 304252   | 75.785 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.442  | 172  | 2249787  | 76.355 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.224 | 244  | 2904409  | 89.461 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.096  | 88   | 16908    | 2.592  | ng    | # 88     |
| 19) n-Nitroso-di-n-propyla... | 7.642  | 70   | 159289   | 16.287 | ng    | # 78     |
| 25) Isophorone                | 7.642  | 82   | 1259915  | 43.214 | ng    | # 67     |
| 26) 2-Nitrophenol             | 8.054  | 139  | 70       | 2.448  | ng    | # 33     |
| 32) Benzoic acid              | 8.131  | 122  | 388      | 7.338  | ng    | # 58     |
| 51) 2,6-Dinitrotoluene        | 10.130 | 165  | 56332    | 9.012  | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 10.130 | 165  | 56332    | 7.320  | ng    | # 20     |
| 63) Azobenzene                | 10.842 | 77   | 96219    | 3.179  | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 10.919 | 198  | 695      | 5.461  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.925 | 248  | 20549    | 2.092  | ng    | # 1      |
| 77) Benzidine                 | 13.224 | 184  | 42837    | 3.217  | ng    | # 94     |
| 85) Di-n-octyl phthalate      | 14.883 | 149  | 370      | 5.267  | ng    | # 1      |
| -----                         |        |      |          |        |       |          |

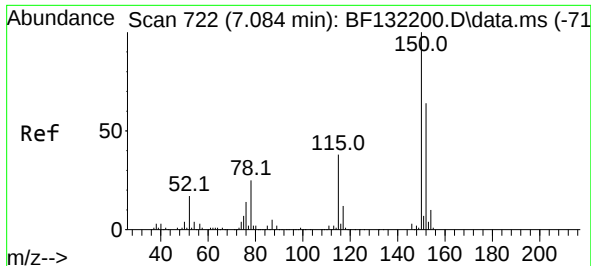
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF013023\  
Data File : BF132216.D  
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Sample : 01327-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
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Quant Time: Jan 31 00:31:45 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF012723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jan 28 02:25:45 2023  
Response via : Initial Calibration

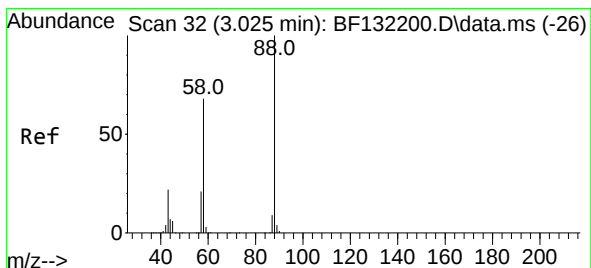
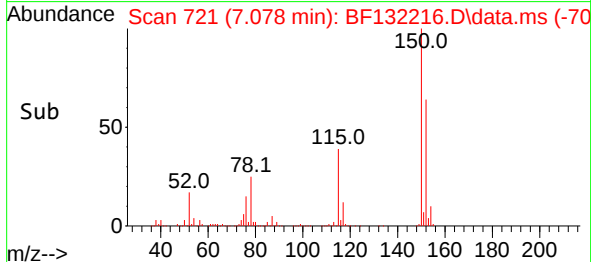
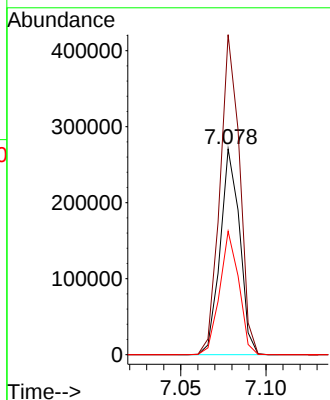
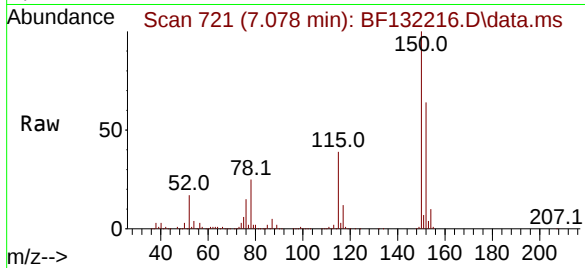




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.078 min Scan# 71  
 Delta R.T. -0.006 min  
 Lab File: BF132216.D  
 Acq: 30 Jan 2023 18:01

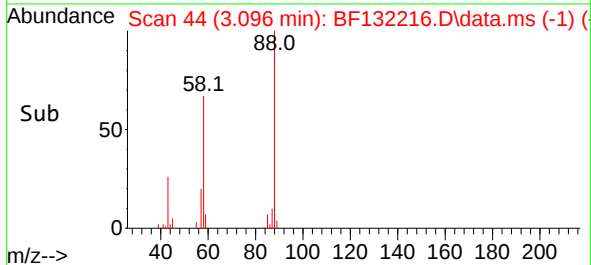
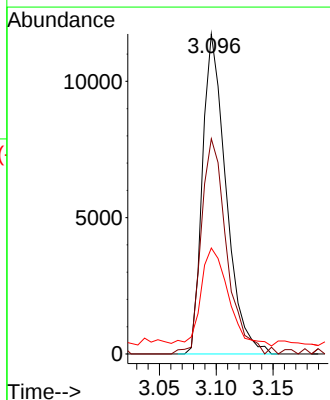
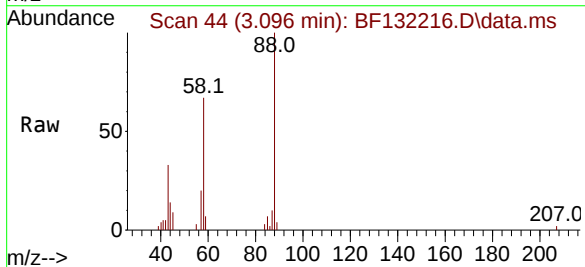
Instrument :  
 BNA\_F  
 ClientSampleId :  
 N48965

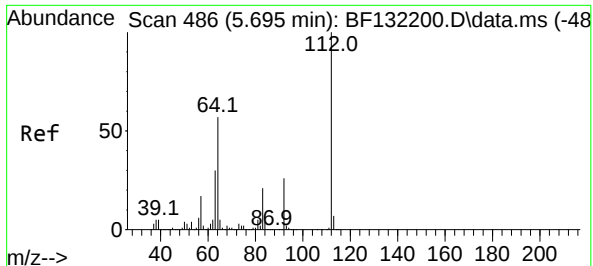
Tgt Ion:152 Resp: 215622  
 Ion Ratio Lower Upper  
 152 100  
 150 155.5 124.5 186.7  
 115 60.0 47.0 70.6



#2  
 1,4-Dioxane  
 Concen: 2.592 ng  
 RT: 3.096 min Scan# 44  
 Delta R.T. 0.071 min  
 Lab File: BF132216.D  
 Acq: 30 Jan 2023 18:01

Tgt Ion: 88 Resp: 16908  
 Ion Ratio Lower Upper  
 88 100  
 58 72.7 54.1 81.1  
 43 35.9 18.0 27.0#

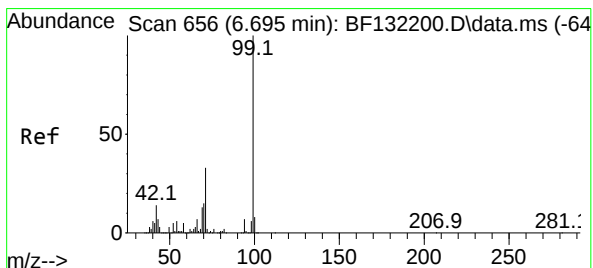
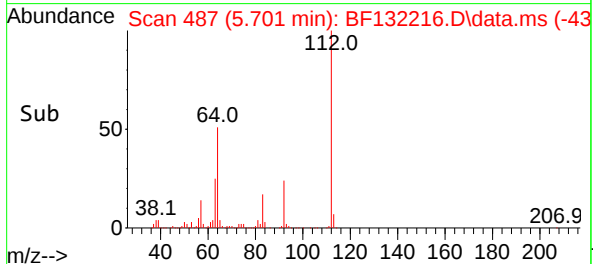
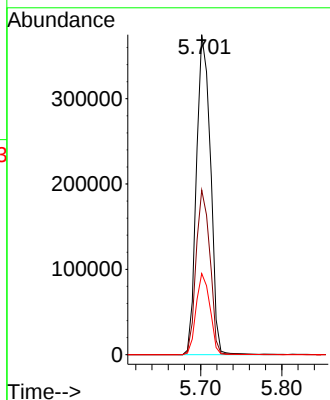
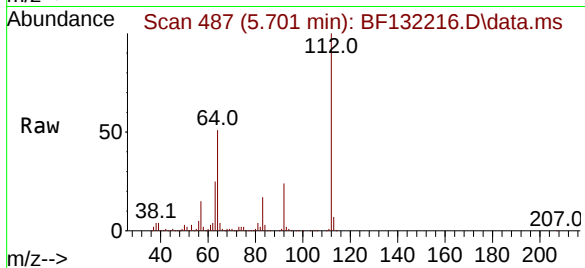




#5  
2-Fluorophenol  
Concen: 34.894 ng  
RT: 5.701 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: BF132216.D  
Acq: 30 Jan 2023 18:01

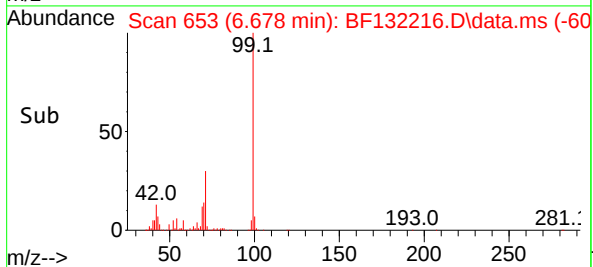
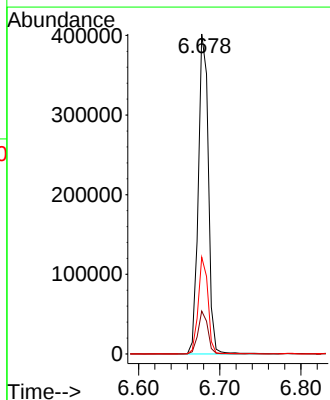
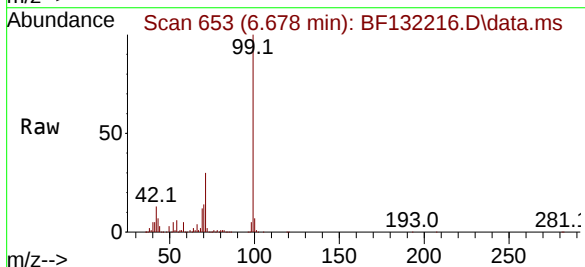
Instrument :  
BNA\_F  
ClientSampleId :  
N48965

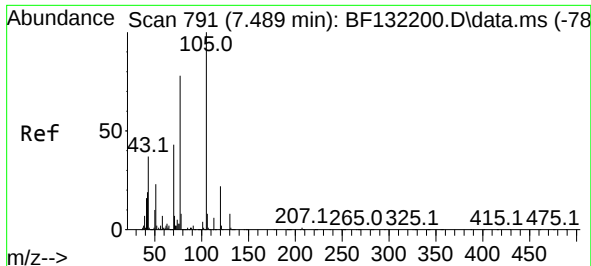
Tgt Ion: 112 Resp: 452204  
Ion Ratio Lower Upper  
112 100  
64 51.5 45.5 68.3  
63 25.4 23.7 35.5



#7  
Phenol-d6  
Concen: 21.446 ng  
RT: 6.678 min Scan# 653  
Delta R.T. -0.018 min  
Lab File: BF132216.D  
Acq: 30 Jan 2023 18:01

Tgt Ion: 99 Resp: 348479  
Ion Ratio Lower Upper  
99 100  
42 13.4 11.3 16.9  
71 30.2 26.3 39.5

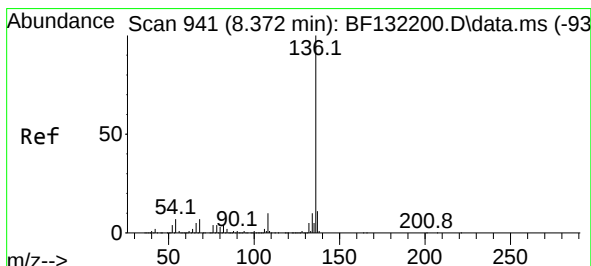
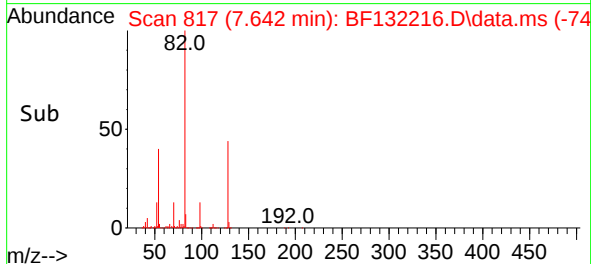
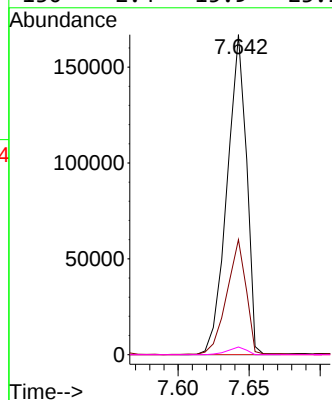
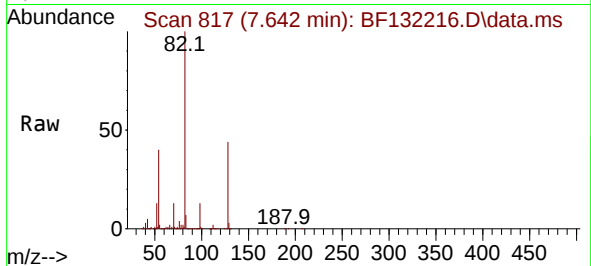




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.287 ng  
RT: 7.642 min Scan# 81  
Delta R.T. 0.153 min  
Lab File: BF132216.D  
Acq: 30 Jan 2023 18:01

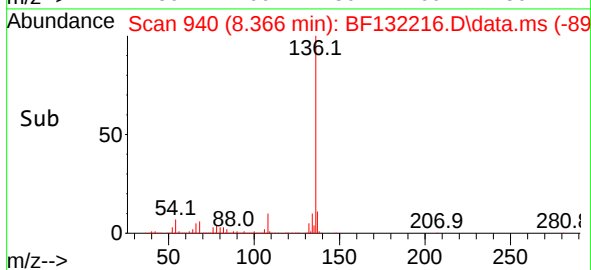
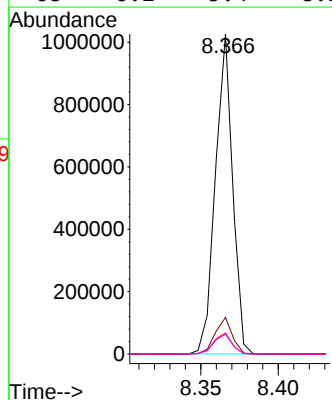
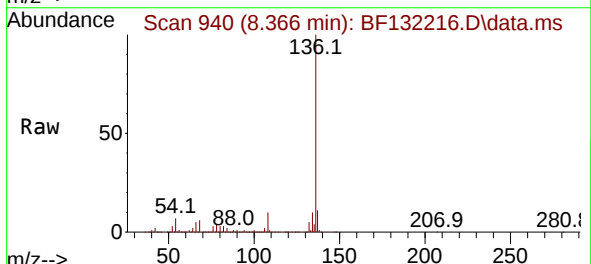
Instrument :  
BNA\_F  
ClientSampleId :  
N48965

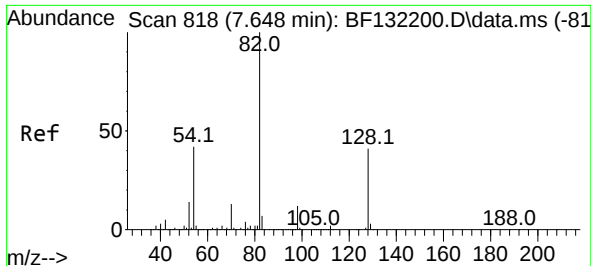
Tgt Ion: 70 Resp: 159289  
Ion Ratio Lower Upper  
70 100  
42 36.0 36.2 54.4#  
101 0.0 7.9 11.9#  
130 2.4 15.9 23.9#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.366 min Scan# 940  
Delta R.T. -0.006 min  
Lab File: BF132216.D  
Acq: 30 Jan 2023 18:01

Tgt Ion:136 Resp: 793667  
Ion Ratio Lower Upper  
136 100  
137 11.4 9.0 13.4  
54 6.6 5.4 8.2  
68 6.2 5.4 8.2

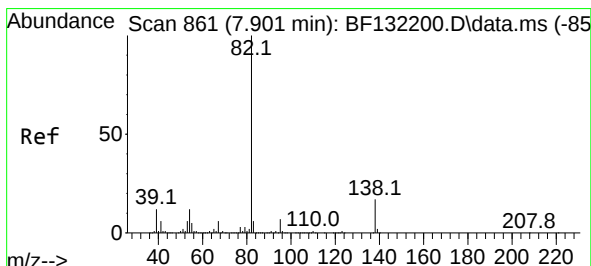
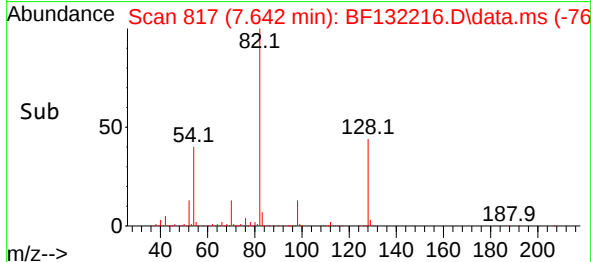
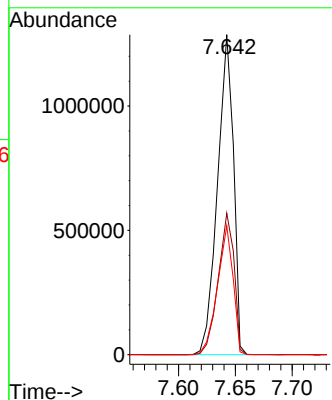
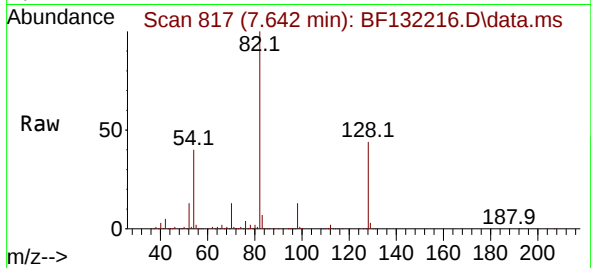




#23  
Nitrobenzene-d5  
Concen: 83.109 ng  
RT: 7.642 min Scan# 817  
Delta R.T. -0.006 min  
Lab File: BF132216.D  
Acq: 30 Jan 2023 18:01

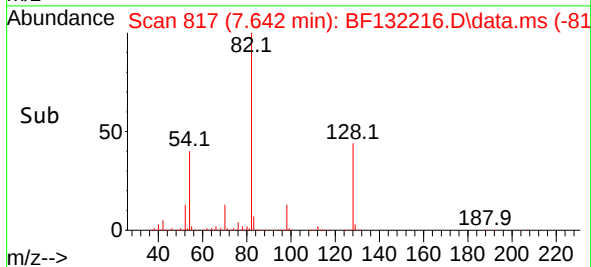
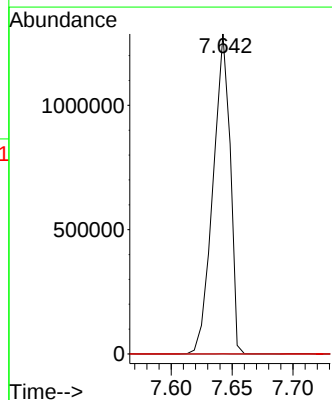
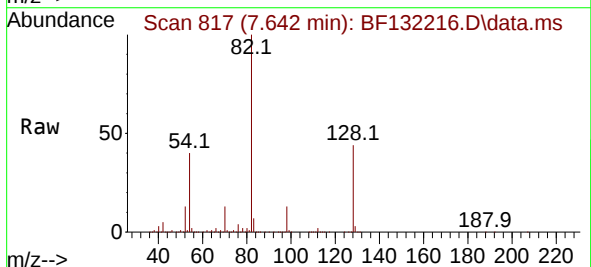
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BNA\_F  
ClientSampleId :  
N48965

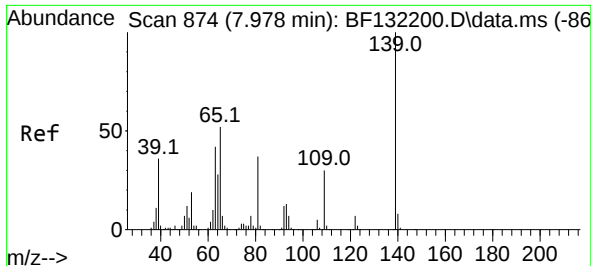
Tgt Ion: 82 Resp: 1259932  
Ion Ratio Lower Upper  
82 100  
128 44.2 32.7 49.1  
54 40.3 33.3 49.9



#25  
Isophorone  
Concen: 43.214 ng  
RT: 7.642 min Scan# 817  
Delta R.T. -0.259 min  
Lab File: BF132216.D  
Acq: 30 Jan 2023 18:01

Tgt Ion: 82 Resp: 1259915  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 13.4 20.0#





#26

2-Nitrophenol

Concen: 2.448 ng

RT: 8.054 min Scan# 81

Delta R.T. 0.076 min

Lab File: BF132216.D

Acq: 30 Jan 2023 18:01

Instrument :

BNA\_F

ClientSampleId :

N48965

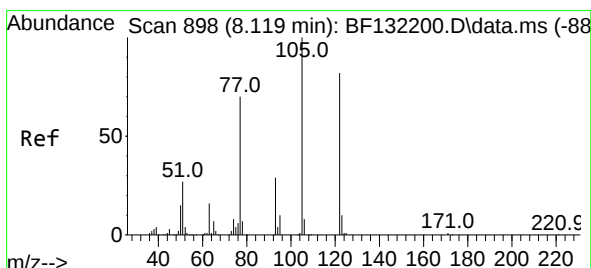
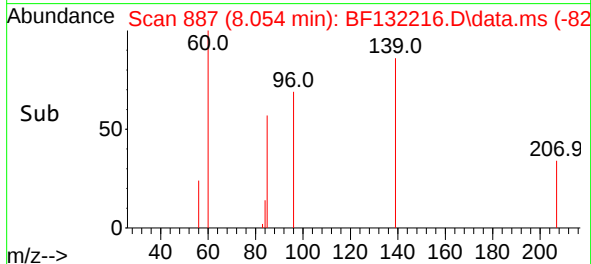
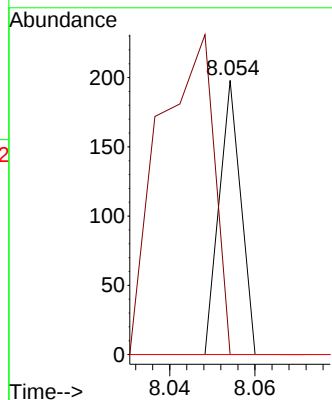
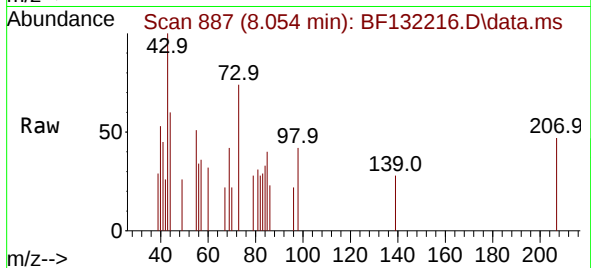
Tgt Ion:139 Resp: 70

Ion Ratio Lower Upper

139 100

109 0.0 24.2 36.4#

65 0.0 41.6 62.4#



#32

Benzoic acid

Concen: 7.338 ng

RT: 8.131 min Scan# 900

Delta R.T. 0.012 min

Lab File: BF132216.D

Acq: 30 Jan 2023 18:01

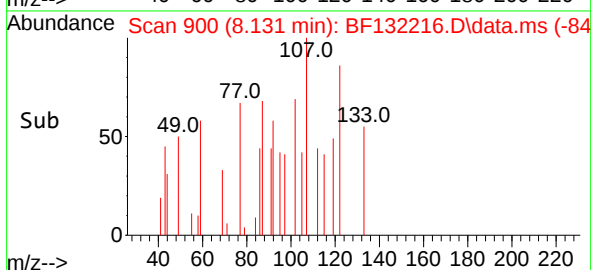
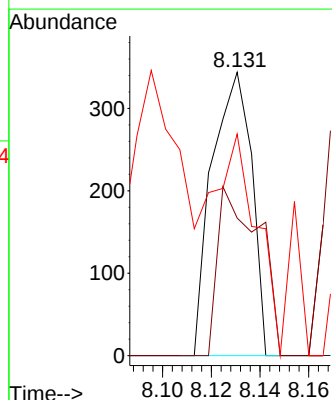
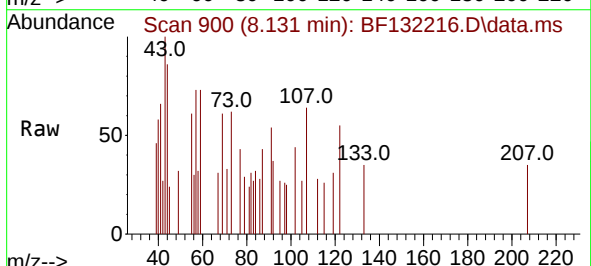
Tgt Ion:122 Resp: 388

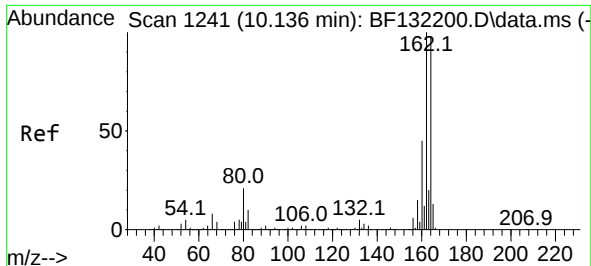
Ion Ratio Lower Upper

122 100

105 48.5 101.5 141.5#

77 78.2 66.5 106.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.130 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132216.D

Acq: 30 Jan 2023 18:01

Instrument :

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ClientSampleId :

N48965

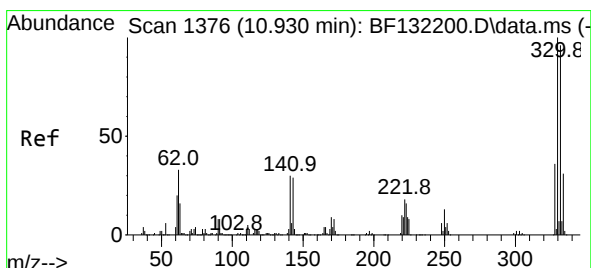
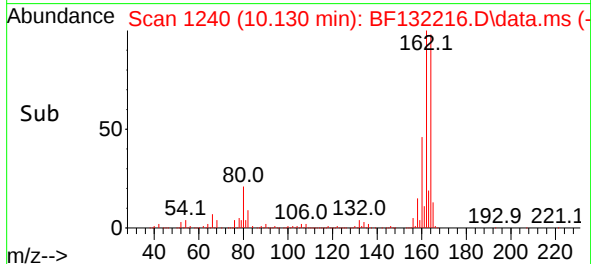
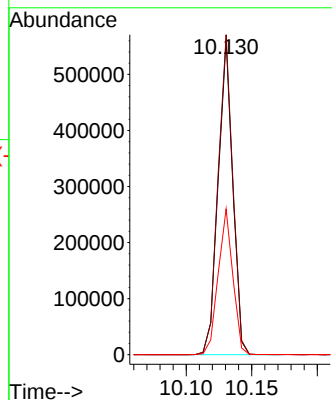
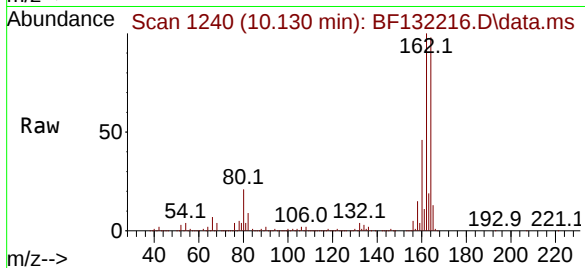
Tgt Ion:164 Resp: 433556

Ion Ratio Lower Upper

164 100

162 101.7 81.5 122.3

160 46.3 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 75.785 ng

RT: 10.925 min Scan# 1375

Delta R.T. -0.006 min

Lab File: BF132216.D

Acq: 30 Jan 2023 18:01

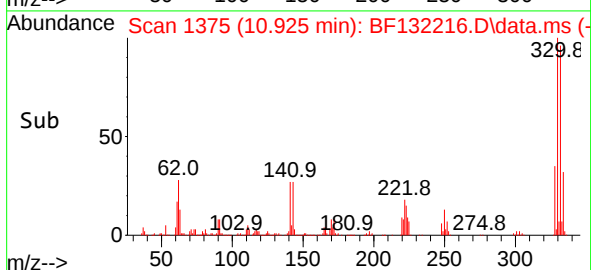
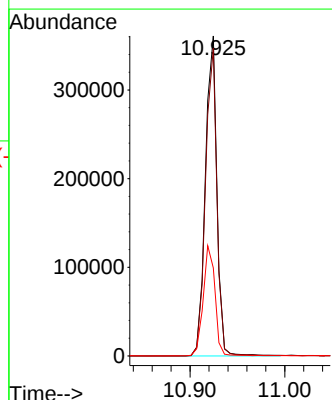
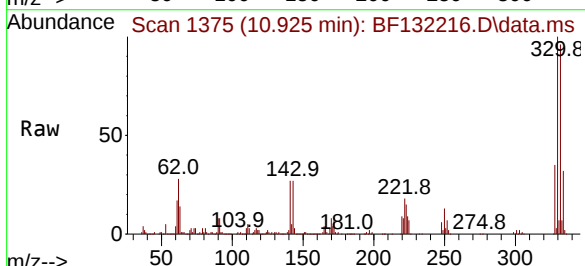
Tgt Ion:330 Resp: 304252

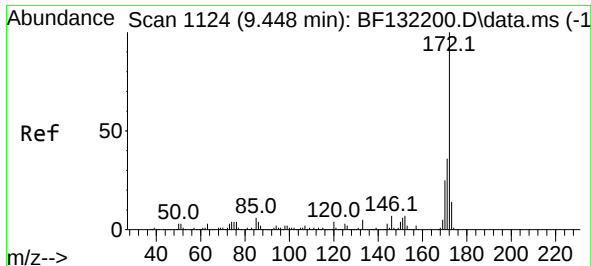
Ion Ratio Lower Upper

330 100

332 95.6 75.7 113.5

141 35.6 30.7 46.1





#45

2-Fluorobiphenyl

Concen: 76.355 ng

RT: 9.442 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132216.D

Acq: 30 Jan 2023 18:01

Instrument :

BNA\_F

ClientSampleId :

N48965

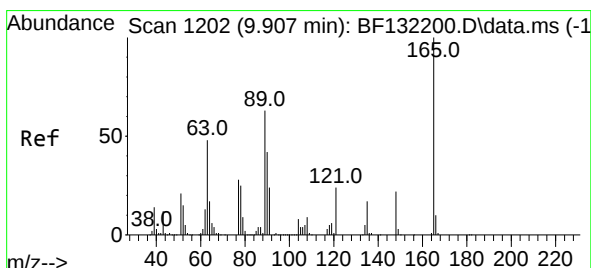
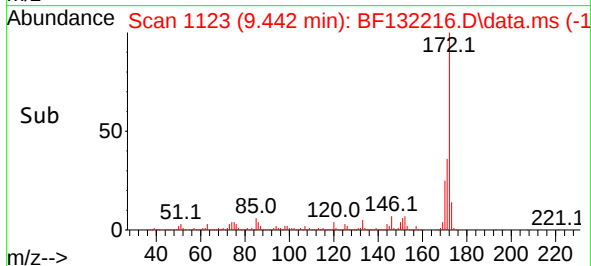
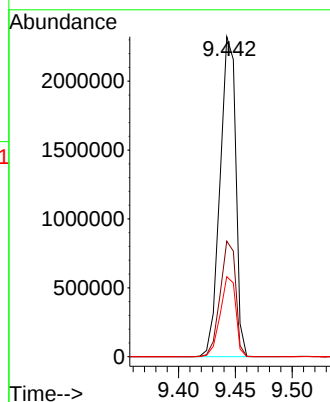
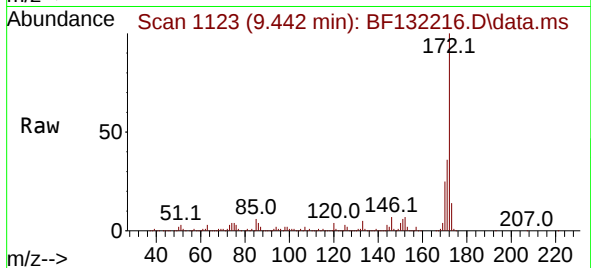
Tgt Ion:172 Resp: 2249787

Ion Ratio Lower Upper

172 100

171 36.1 29.0 43.6

170 25.0 20.2 30.4



#51

2,6-Dinitrotoluene

Concen: 9.012 ng

RT: 10.130 min Scan# 1240

Delta R.T. 0.223 min

Lab File: BF132216.D

Acq: 30 Jan 2023 18:01

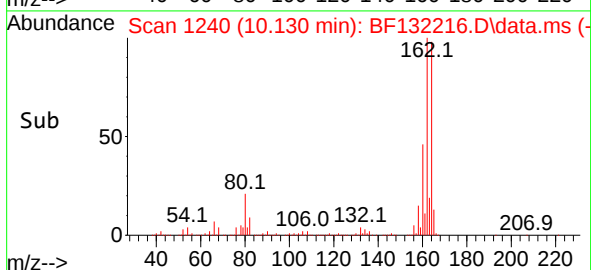
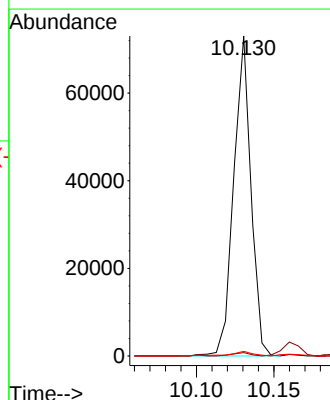
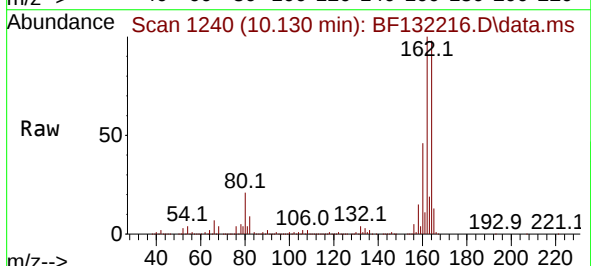
Tgt Ion:165 Resp: 56332

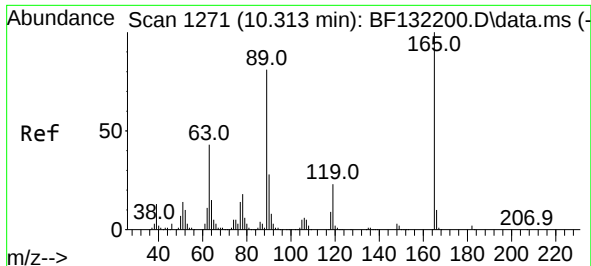
Ion Ratio Lower Upper

165 100

63 1.1 46.1 69.1#

89 1.5 50.3 75.5#

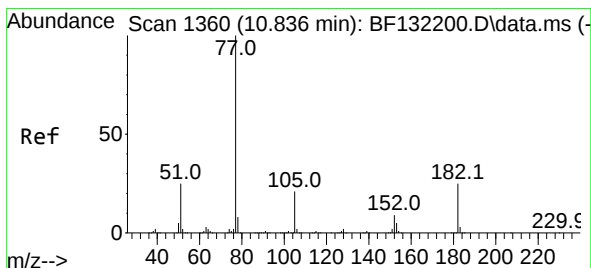
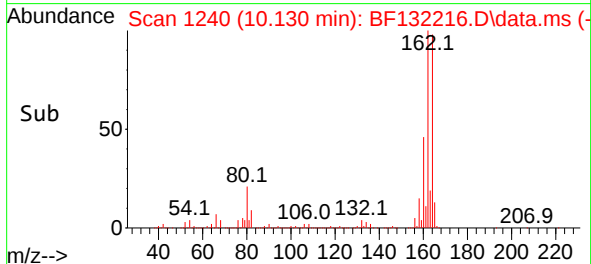
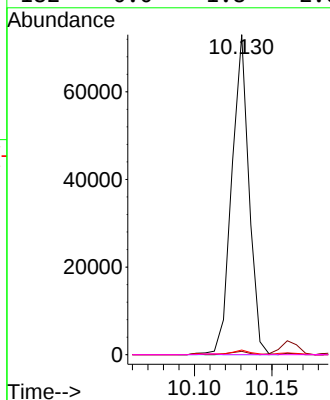
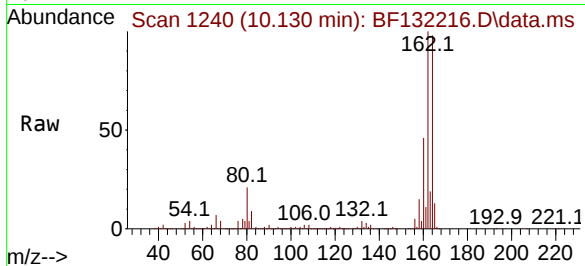




#57  
2,4-Dinitrotoluene  
Concen: 7.320 ng  
RT: 10.130 min Scan# 11  
Delta R.T. -0.183 min  
Lab File: BF132216.D  
Acq: 30 Jan 2023 18:01

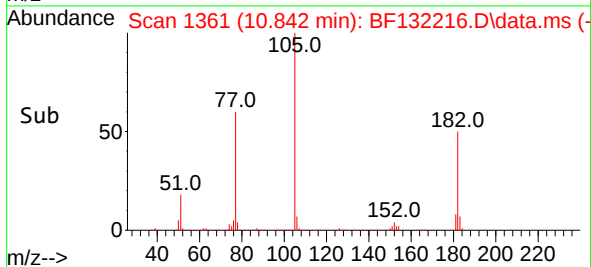
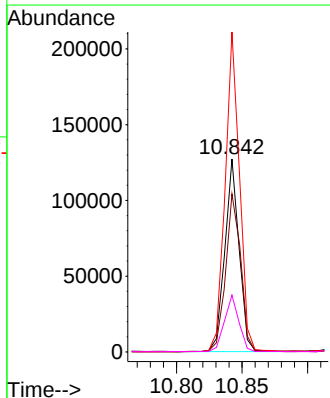
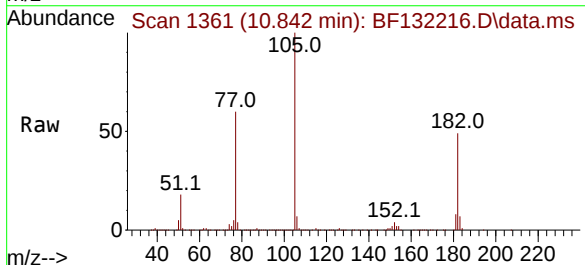
Instrument :  
BNA\_F  
ClientSampleId :  
N48965

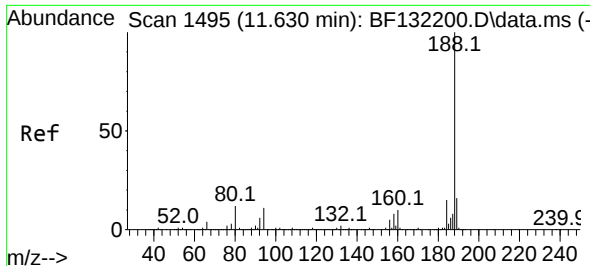
Tgt Ion:165 Resp: 56332  
Ion Ratio Lower Upper  
165 100  
63 1.1 34.2 51.2#  
89 1.5 65.1 97.7#  
182 0.0 1.8 2.6#



#63  
Azobenzene  
Concen: 3.179 ng  
RT: 10.842 min Scan# 1361  
Delta R.T. 0.006 min  
Lab File: BF132216.D  
Acq: 30 Jan 2023 18:01

Tgt Ion: 77 Resp: 96219  
Ion Ratio Lower Upper  
77 100  
182 82.0 4.7 44.7#  
105 165.9 1.1 41.1#  
51 29.5 4.6 44.6

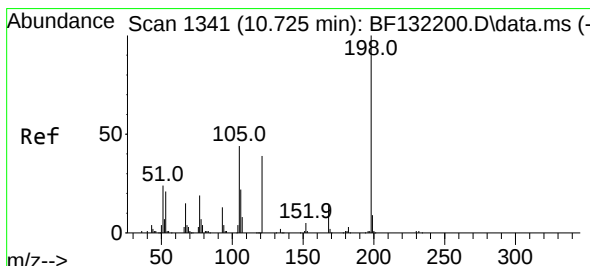
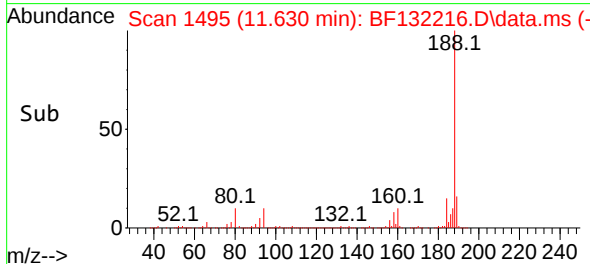
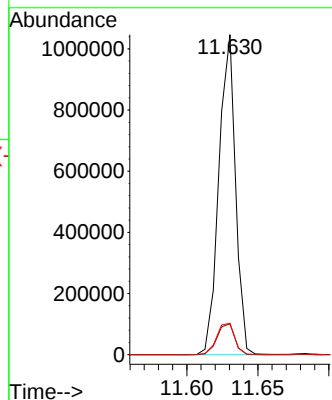
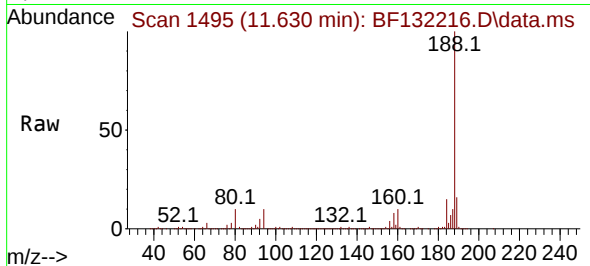




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.630 min Scan# 1495  
Delta R.T. 0.000 min  
Lab File: BF132216.D  
Acq: 30 Jan 2023 18:01

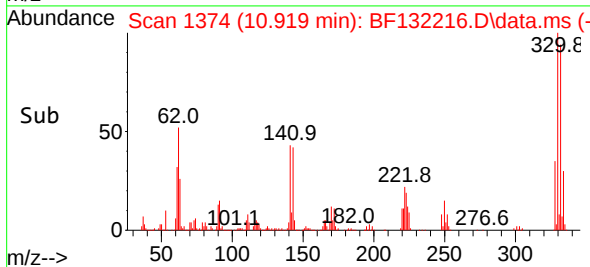
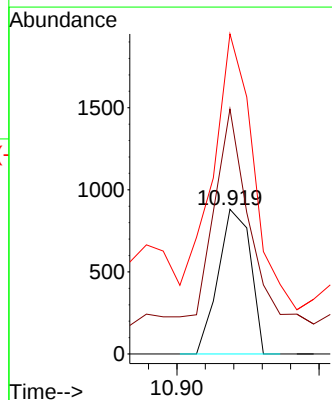
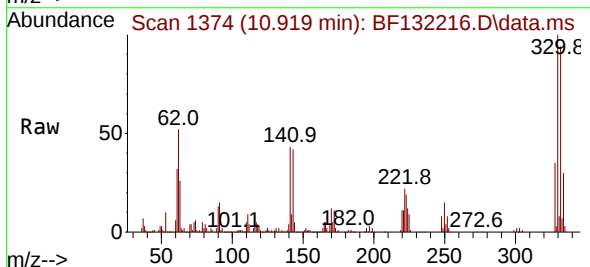
Instrument :  
BNA\_F  
ClientSampleId :  
N48965

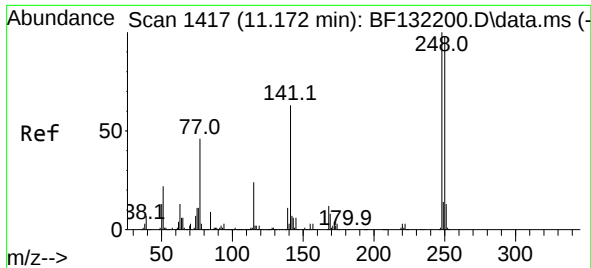
Tgt Ion:188 Resp: 853073  
Ion Ratio Lower Upper  
188 100  
94 9.6 8.5 12.7  
80 9.8 9.2 13.8



#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.461 ng  
RT: 10.919 min Scan# 1374  
Delta R.T. 0.194 min  
Lab File: BF132216.D  
Acq: 30 Jan 2023 18:01

Tgt Ion:198 Resp: 695  
Ion Ratio Lower Upper  
198 100  
51 169.4 14.9 54.9#  
105 221.2 24.2 64.2#

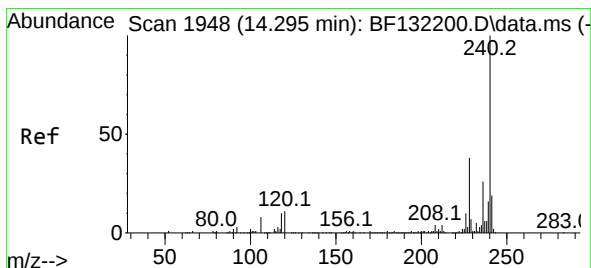
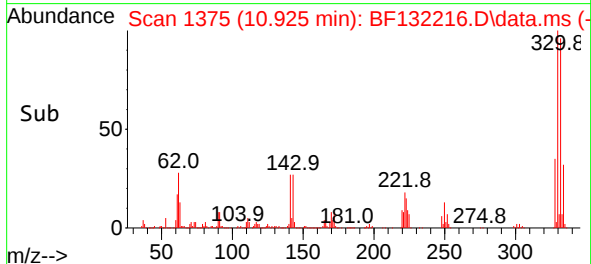
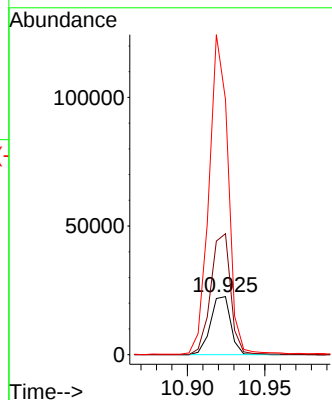
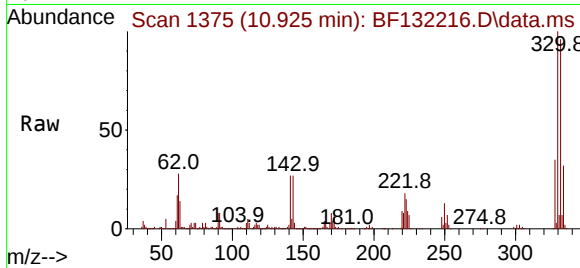




#67  
4-Bromophenyl-phenylether  
Concen: 2.092 ng  
RT: 10.925 min Scan# 11  
Delta R.T. -0.247 min  
Lab File: BF132216.D  
Acq: 30 Jan 2023 18:01

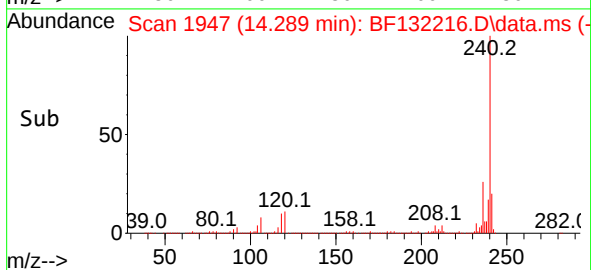
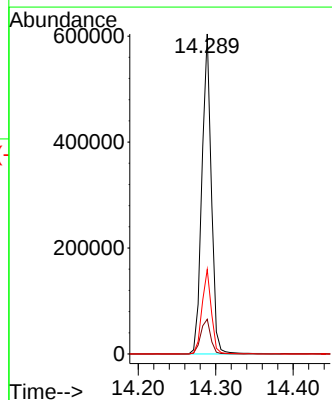
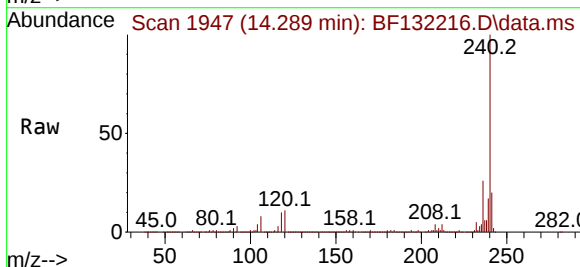
Instrument :  
BNA\_F  
ClientSampleId :  
N48965

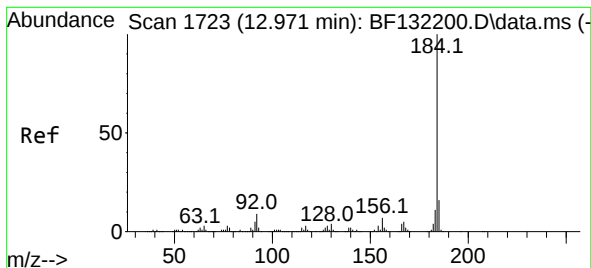
Tgt Ion:248 Resp: 20549  
Ion Ratio Lower Upper  
248 100  
250 208.0 78.5 117.7#  
141 438.7 50.2 75.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.289 min Scan# 1947  
Delta R.T. -0.006 min  
Lab File: BF132216.D  
Acq: 30 Jan 2023 18:01

Tgt Ion:240 Resp: 510072  
Ion Ratio Lower Upper  
240 100  
120 10.9 9.0 13.4  
236 26.4 20.8 31.2





#77

Benzidine

Concen: 3.217 ng

RT: 13.224 min Scan# 1766

Delta R.T. 0.253 min

Lab File: BF132216.D

Acq: 30 Jan 2023 18:01

Instrument :

BNA\_F

ClientSampleId :

N48965

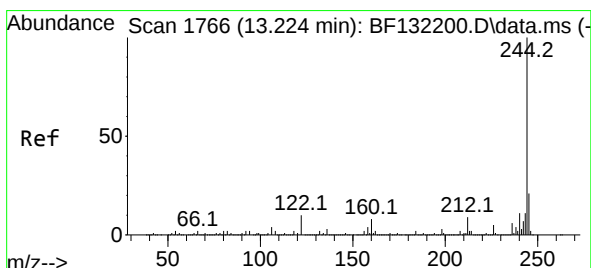
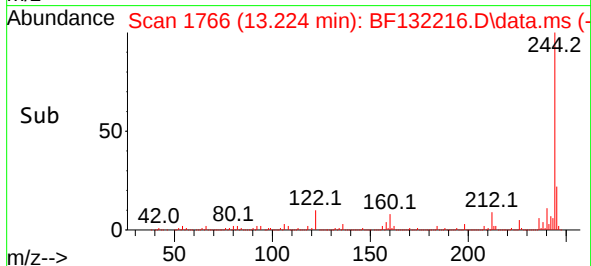
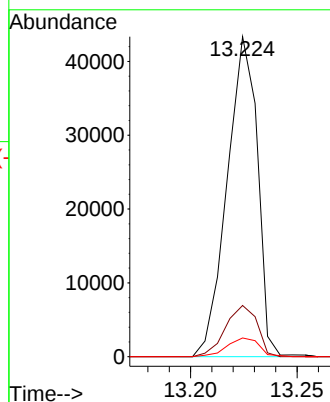
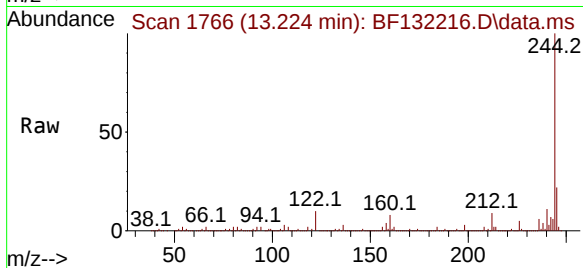
Tgt Ion:184 Resp: 42837

Ion Ratio Lower Upper

184 100

185 16.0 13.2 19.8

183 5.9 8.8 13.2#



#79

Terphenyl-d14

Concen: 89.461 ng

RT: 13.224 min Scan# 1766

Delta R.T. 0.000 min

Lab File: BF132216.D

Acq: 30 Jan 2023 18:01

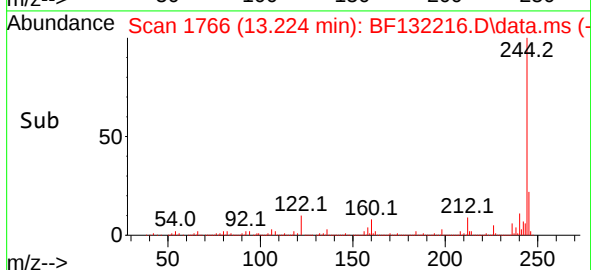
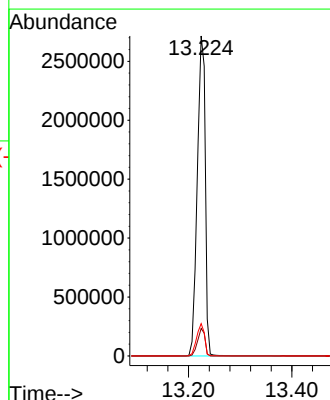
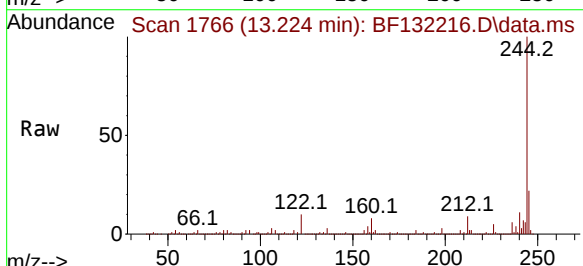
Tgt Ion:244 Resp: 2904409

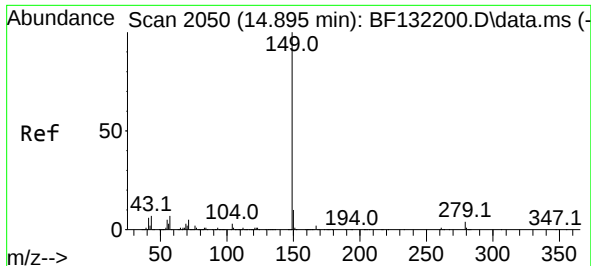
Ion Ratio Lower Upper

244 100

212 8.6 6.8 10.2

122 10.1 8.3 12.5

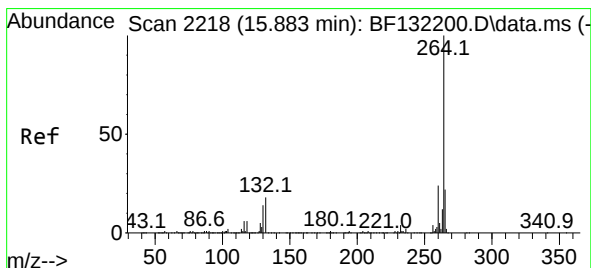
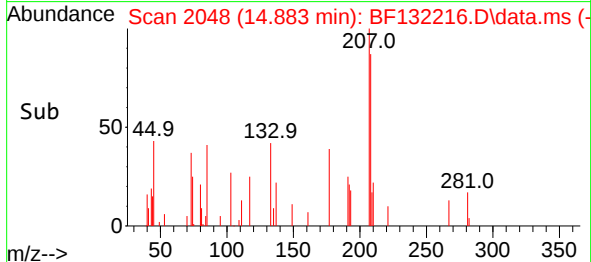
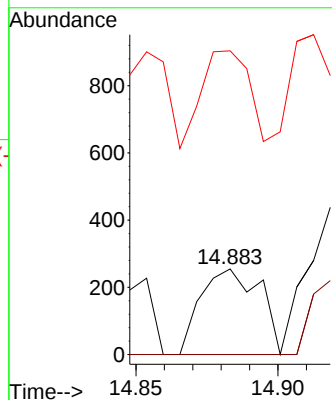
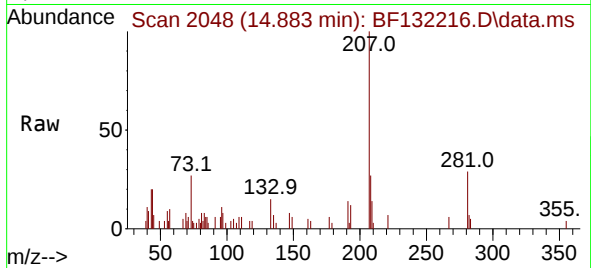




#85  
Di-n-octyl phthalate  
Concen: 5.267 ng  
RT: 14.883 min Scan# 2048  
Delta R.T. -0.012 min  
Lab File: BF132216.D  
Acq: 30 Jan 2023 18:01

Instrument :  
BNA\_F  
ClientSampleId :  
N48965

Tgt Ion:149 Resp: 370  
Ion Ratio Lower Upper  
149 100  
167 0.0 1.2 1.8#  
43 91.9 6.6 10.0#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.877 min Scan# 2217  
Delta R.T. -0.006 min  
Lab File: BF132216.D  
Acq: 30 Jan 2023 18:01

Tgt Ion:264 Resp: 416632  
Ion Ratio Lower Upper  
264 100  
260 24.1 18.8 28.2  
265 20.9 17.4 26.2

