

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112522\  
 Data File : BF131393.D  
 Acq On : 25 Nov 2022 13:27  
 Operator : CG\JU  
 Sample : N5742-10  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 25 23:16:53 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 25 23:13:01 2022  
 Response via : Initial Calibration

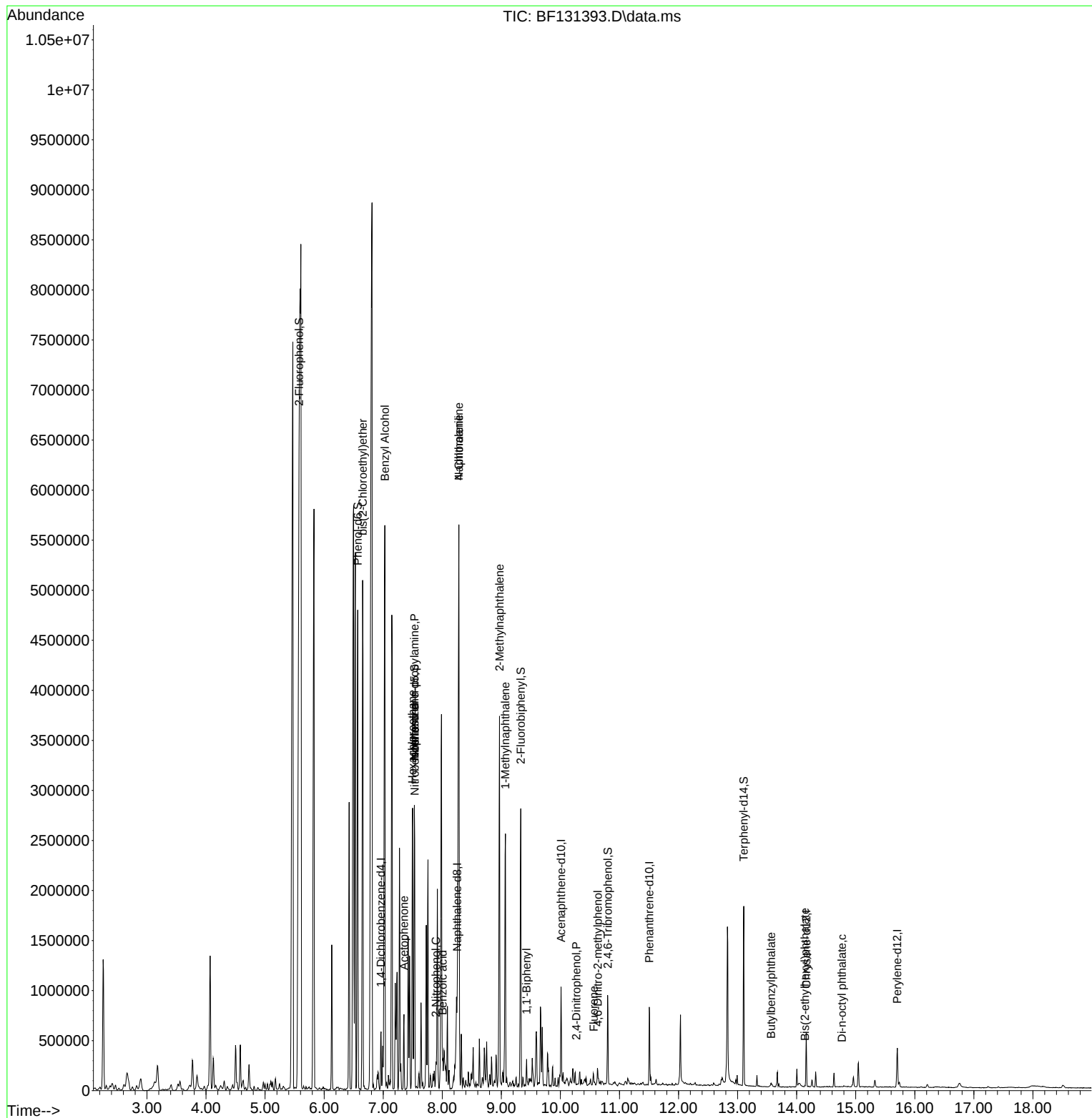
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.963  | 152  | 85356    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.251  | 136  | 298903   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.010 | 164  | 174261   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.504 | 188  | 293013   | 20.000    | ng    | -0.01    |
| 76) Chrysene-d12              | 14.163 | 240  | 166947   | 20.000    | ng    | -0.01    |
| 86) Perylene-d12              | 15.704 | 264  | 184903   | 20.000    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.575  | 112  | 69321    | 15.457    | ng    | 0.01     |
| 7) Phenol-d6                  | 6.569  | 99   | 67793    | 11.848    | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.528  | 82   | 392040   | 66.116    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.804 | 330  | 94273    | 64.303    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.328  | 172  | 790749   | 66.016    | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.104 | 244  | 589320   | 57.725    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.498  | 77   | 386944   | Below Cal | #     | 1        |
| 11) bis(2-Chloroethyl)ether   | 6.651  | 93   | 11918    | 2.242     | ng    | # 1      |
| 15) Benzyl Alcohol            | 7.028  | 79   | 210098   | 44.780    | ng    | # 10     |
| 18) Hexachloroethane          | 7.492  | 117  | 244621   | 111.135   | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 7.528  | 70   | 56632    | 13.519    | ng    | # 73     |
| 22) Acetophenone              | 7.351  | 105  | 265168   | 34.852    | ng    | # 53     |
| 24) Nitrobenzene              | 7.534  | 77   | 37762    | 6.112     | ng    | # 2      |
| 25) Isophorone                | 7.528  | 82   | 391215   | 36.981    | ng    | # 68     |
| 26) 2-Nitrophenol             | 7.892  | 139  | 87       | 3.626     | ng    | # 1      |
| 31) Naphthalene               | 8.281  | 128  | 2917533  | 183.165   | ng    | 99       |
| 32) Benzoic acid              | 8.004  | 122  | 2436     | 6.246     | ng    | # 1      |
| 33) 4-Chloroaniline           | 8.281  | 127  | 409713   | 65.200    | ng    | # 31     |
| 37) 2-Methylnaphthalene       | 8.969  | 142  | 993617   | 92.066    | ng    | 99       |
| 38) 1-Methylnaphthalene       | 9.069  | 142  | 655786   | 62.662    | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.428  | 154  | 69759    | 5.246     | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 10.269 | 184  | 67       | 4.976     | ng    | # 1      |
| 58) Fluorene                  | 10.563 | 166  | 27181    | 2.377     | ng    | # 97     |
| 65) 4,6-Dinitro-2-methylph... | 10.633 | 198  | 256      | 4.801     | ng    | # 1      |
| 80) Butylbenzylphthalate      | 13.569 | 149  | 638      | 4.261     | ng    | # 3      |
| 84) Bis(2-ethylhexyl)phtha... | 14.139 | 149  | 3786     | 4.280     | ng    | 93       |
| 85) Di-n-octyl phthalate      | 14.768 | 149  | 796      | 3.999     | ng    | # 67     |
| -----                         |        |      |          |           |       |          |

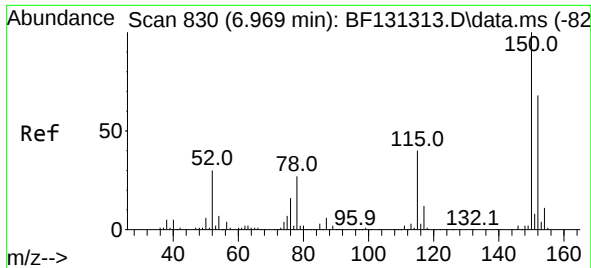
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 25 23:13:01 2022  
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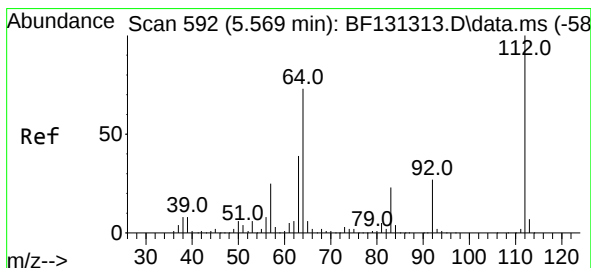
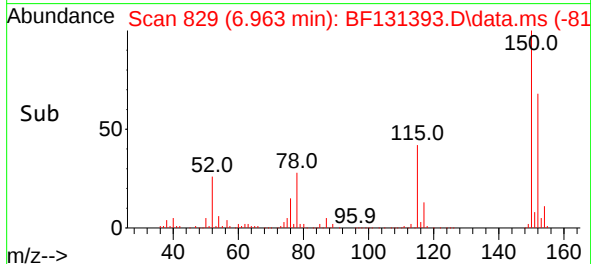
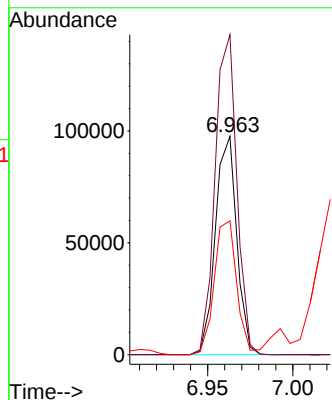
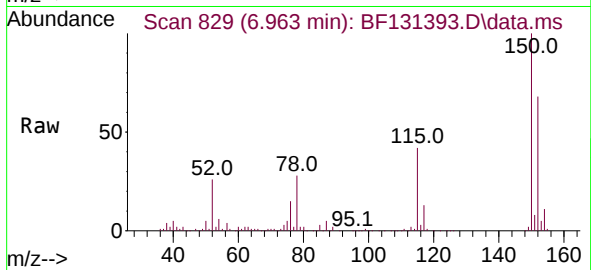




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.963 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: BF131393.D  
 Acq: 25 Nov 2022 13:27

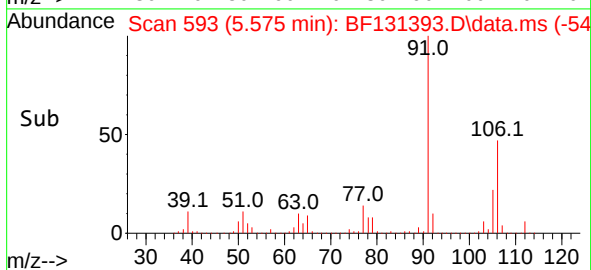
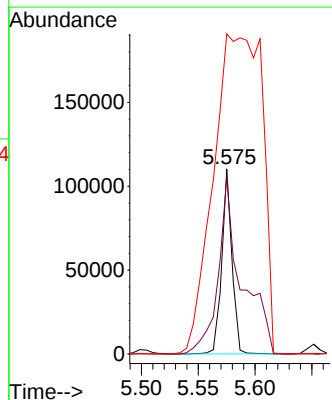
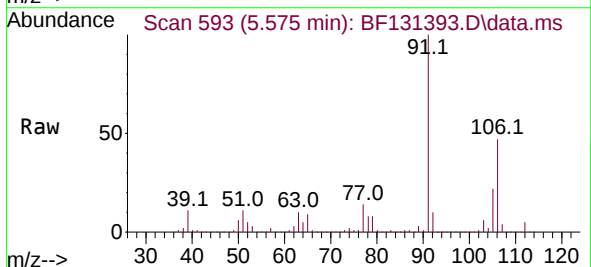
Instrument :  
 BNA\_F  
 ClientSampleId :

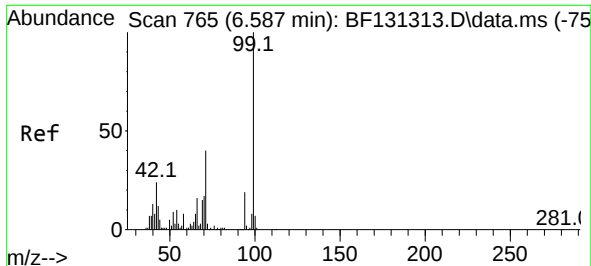
Tgt Ion:152 Resp: 85356  
 Ion Ratio Lower Upper  
 152 100  
 150 146.6 117.8 176.8  
 115 61.3 47.1 70.7



#5  
 2-Fluorophenol  
 Concen: 15.457 ng  
 RT: 5.575 min Scan# 593  
 Delta R.T. 0.012 min  
 Lab File: BF131393.D  
 Acq: 25 Nov 2022 13:27

Tgt Ion:112 Resp: 69321  
 Ion Ratio Lower Upper  
 112 100  
 64 95.5 58.6 88.0#  
 63 172.8 31.4 47.0#

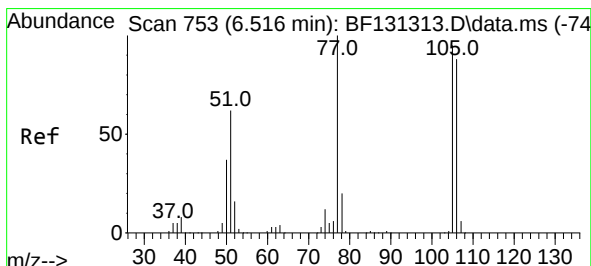
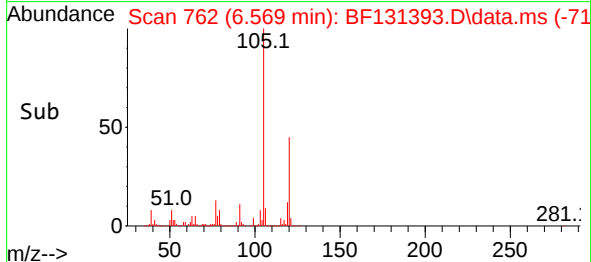
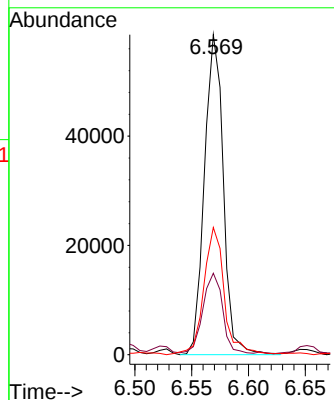
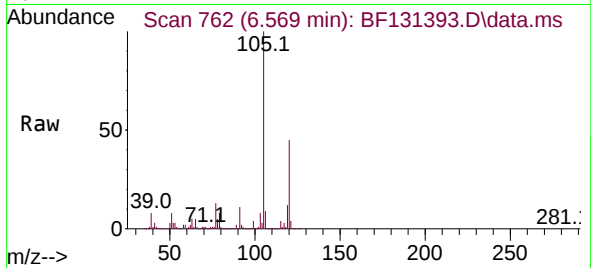




#7  
Phenol-d6  
Concen: 11.848 ng  
RT: 6.569 min Scan# 70  
Delta R.T. -0.012 min  
Lab File: BF131393.D  
Acq: 25 Nov 2022 13:27

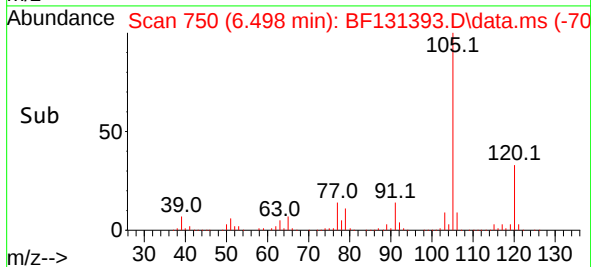
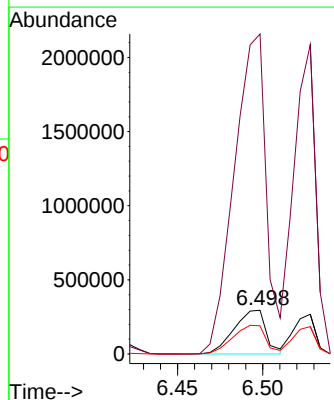
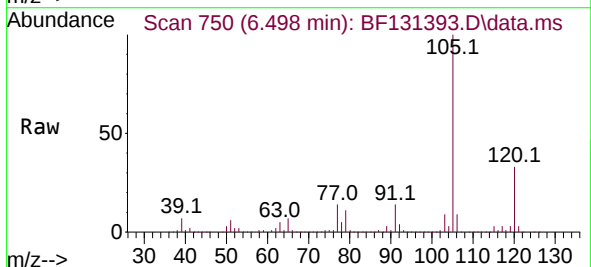
Instrument :  
BNA\_F  
ClientSampleId :

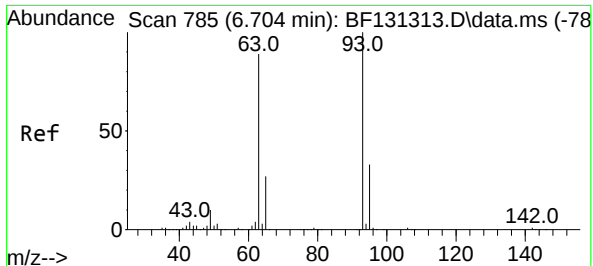
Tgt Ion: 99 Resp: 67793  
Ion Ratio Lower Upper  
99 100  
42 25.4 19.4 29.2  
71 39.8 32.3 48.5



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.498 min Scan# 750  
Delta R.T. -0.012 min  
Lab File: BF131393.D  
Acq: 25 Nov 2022 13:27

Tgt Ion: 77 Resp: 386944  
Ion Ratio Lower Upper  
77 100  
105 731.6 74.5 114.5#  
106 64.6 68.1 108.1#

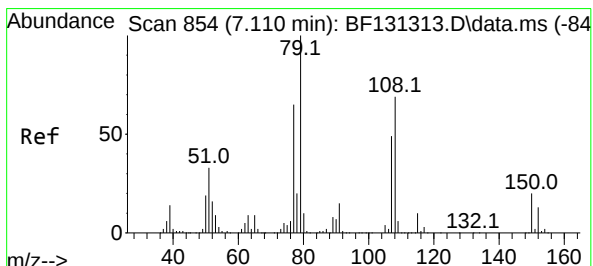
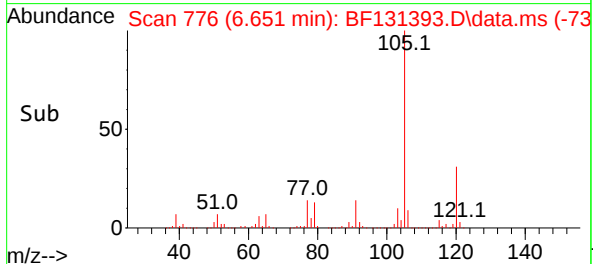
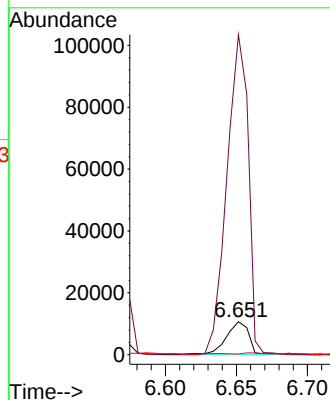
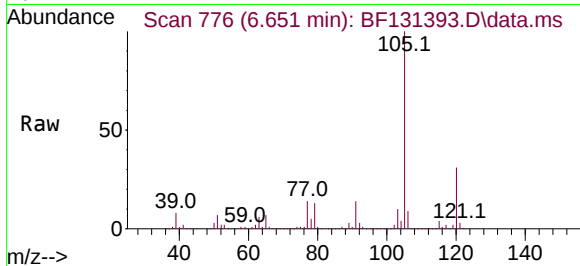




#11  
bis(2-Chloroethyl)ether  
Concen: 2.242 ng  
RT: 6.651 min Scan# 71  
Delta R.T. -0.041 min  
Lab File: BF131393.D  
Acq: 25 Nov 2022 13:27

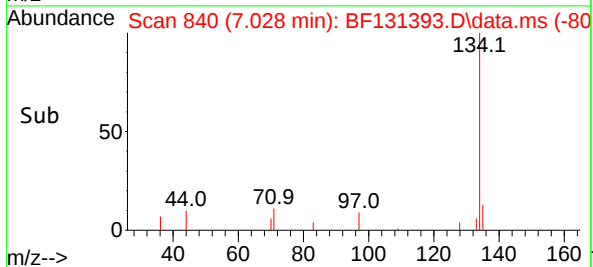
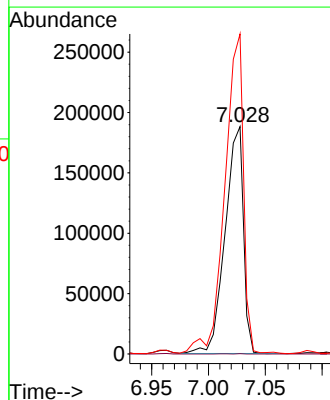
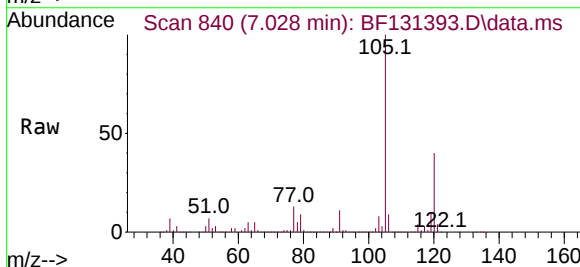
Instrument :  
BNA\_F  
ClientSampleId :

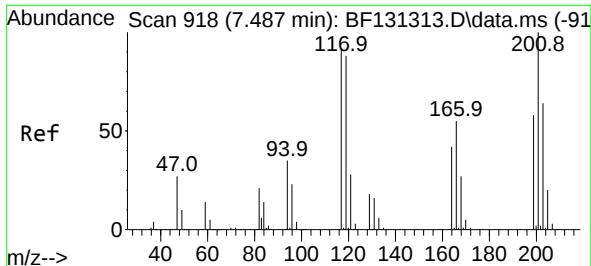
Tgt Ion: 93 Resp: 11918  
Ion Ratio Lower Upper  
93 100  
63 970.0 68.6 108.6#  
95 1.9 13.1 53.1#



#15  
Benzyl Alcohol  
Concen: 44.780 ng  
RT: 7.028 min Scan# 840  
Delta R.T. -0.070 min  
Lab File: BF131393.D  
Acq: 25 Nov 2022 13:27

Tgt Ion: 79 Resp: 210098  
Ion Ratio Lower Upper  
79 100  
108 0.1 55.1 82.7#  
77 140.8 51.8 77.8#

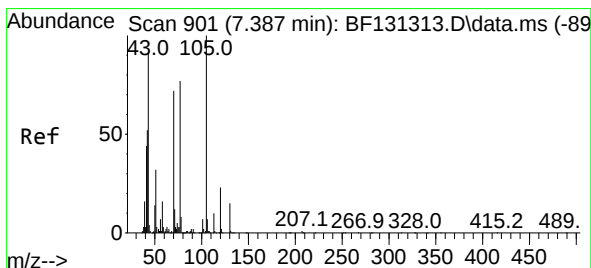
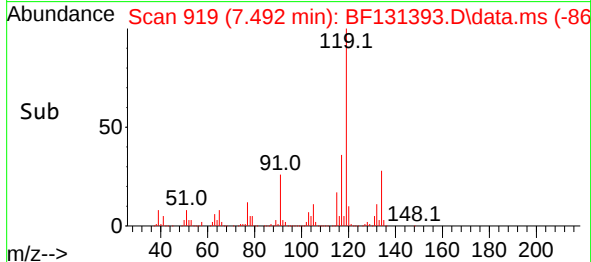
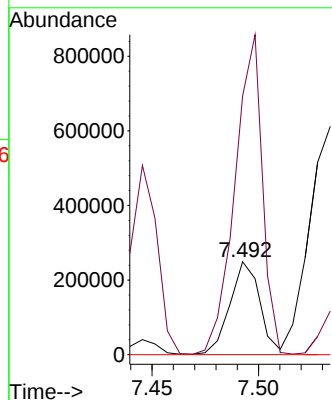
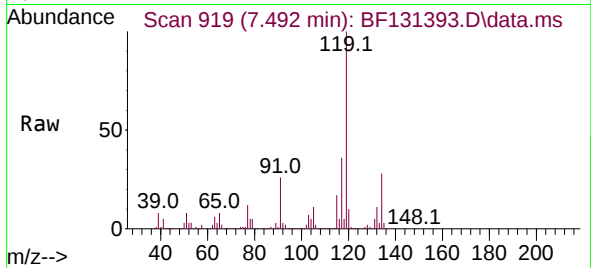




#18  
Hexachloroethane  
Concen: 111.135 ng  
RT: 7.492 min Scan# 918  
Delta R.T. 0.018 min  
Lab File: BF131393.D  
Acq: 25 Nov 2022 13:27

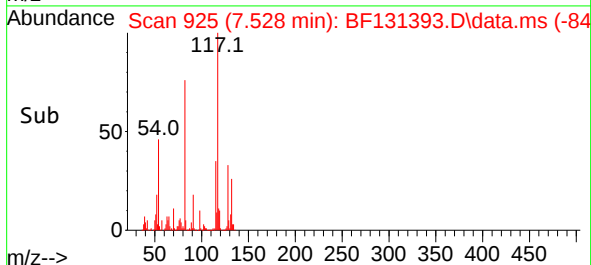
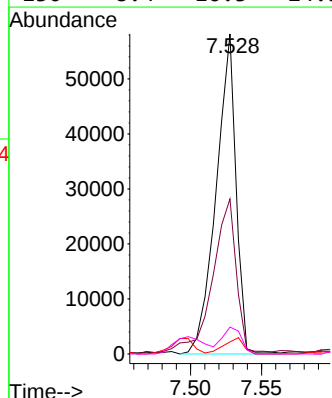
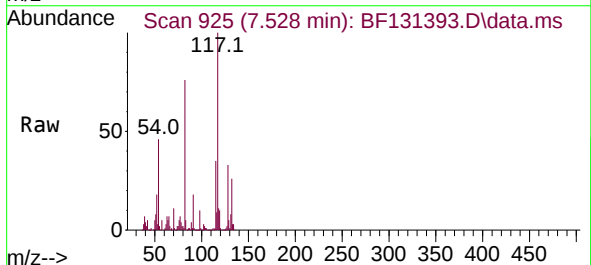
Instrument :  
BNA\_F  
ClientSampleId :

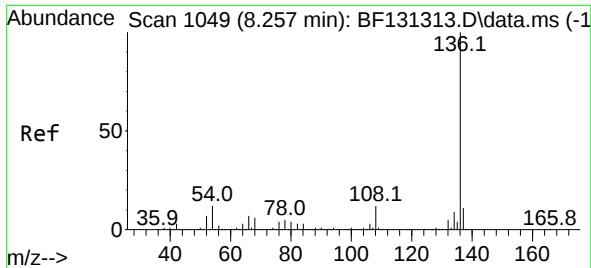
Tgt Ion:117 Resp: 244621  
Ion Ratio Lower Upper  
117 100  
119 278.0 76.6 115.0#  
201 0.0 87.0 130.6#



#19  
n-Nitroso-di-n-propylamine  
Concen: 13.519 ng  
RT: 7.528 min Scan# 925  
Delta R.T. 0.153 min  
Lab File: BF131393.D  
Acq: 25 Nov 2022 13:27

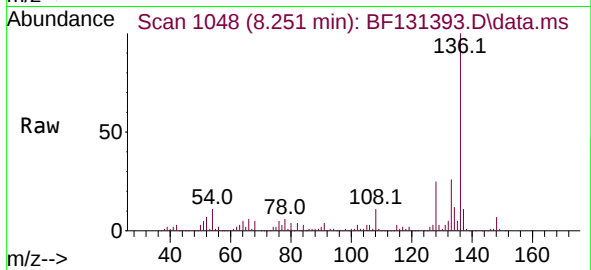
Tgt Ion: 70 Resp: 56632  
Ion Ratio Lower Upper  
70 100  
42 48.5 57.6 86.4#  
101 3.8 8.2 12.2#  
130 8.4 16.3 24.5#



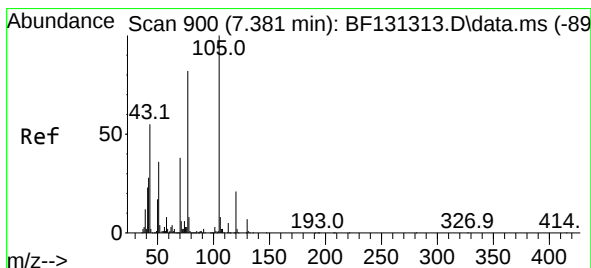
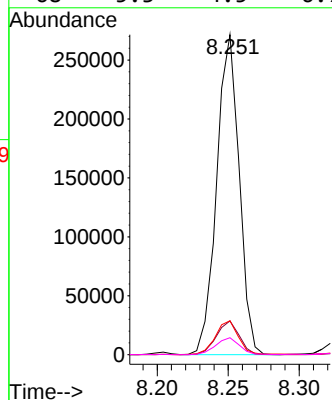
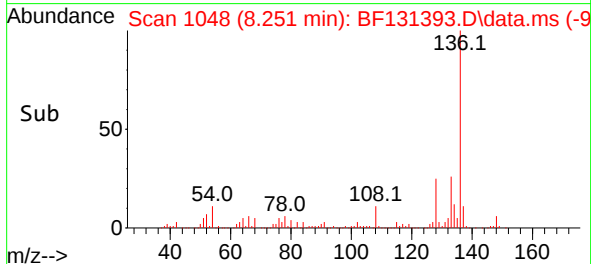


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.251 min Scan# 1048  
Delta R.T. 0.000 min  
Lab File: BF131393.D  
Acq: 25 Nov 2022 13:27

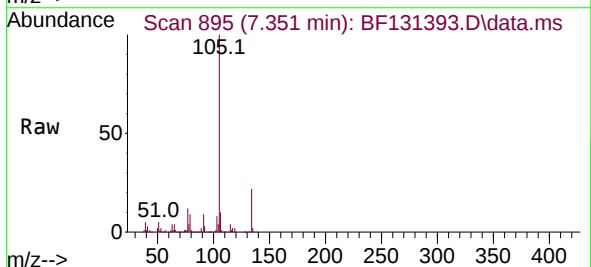
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ClientSampleId :



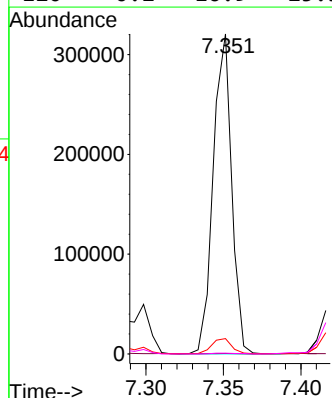
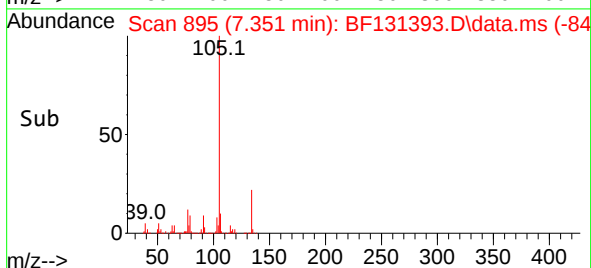
Tgt Ion:136 Resp: 298903  
Ion Ratio Lower Upper  
136 100  
137 10.6 9.0 13.6  
54 10.6 9.4 14.0  
68 5.3 4.5 6.7

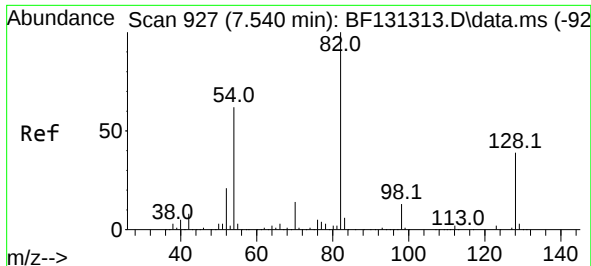


#22  
Acetophenone  
Concen: 34.852 ng  
RT: 7.351 min Scan# 895  
Delta R.T. -0.023 min  
Lab File: BF131393.D  
Acq: 25 Nov 2022 13:27



Tgt Ion:105 Resp: 265168  
Ion Ratio Lower Upper  
105 100  
71 0.1 4.9 7.3#  
51 4.8 29.0 43.4#  
120 0.2 16.9 25.3#

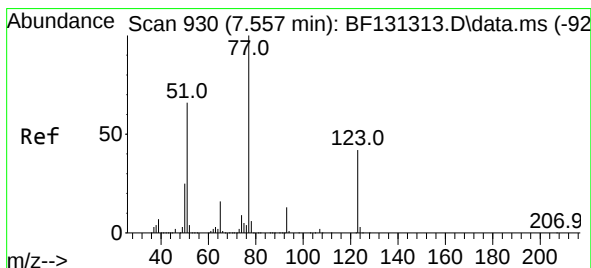
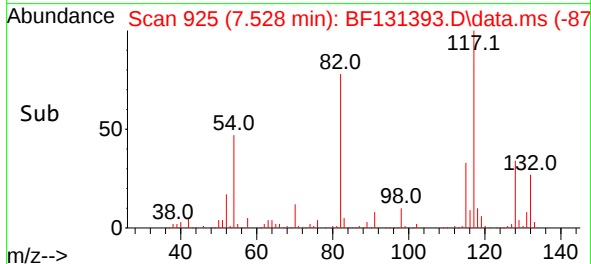
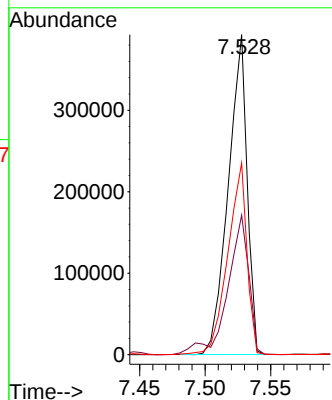
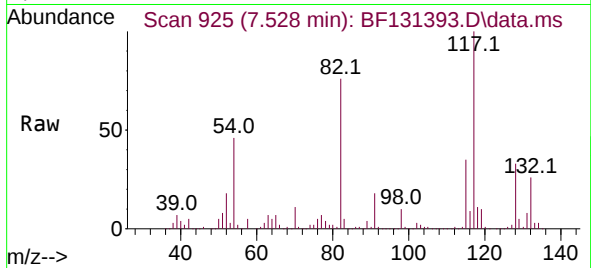




#23  
Nitrobenzene-d5  
Concen: 66.116 ng  
RT: 7.528 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF131393.D  
Acq: 25 Nov 2022 13:27

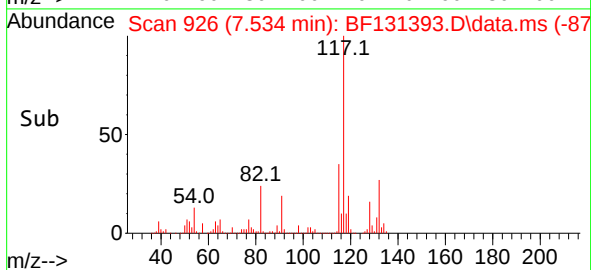
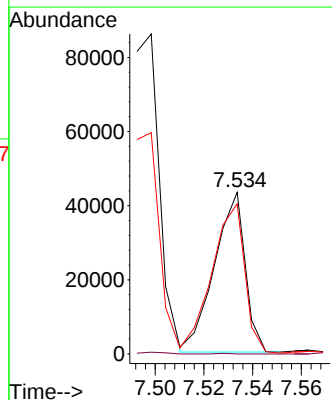
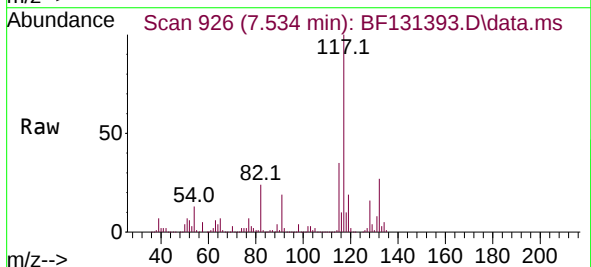
Instrument :  
BNA\_F  
ClientSampleId :

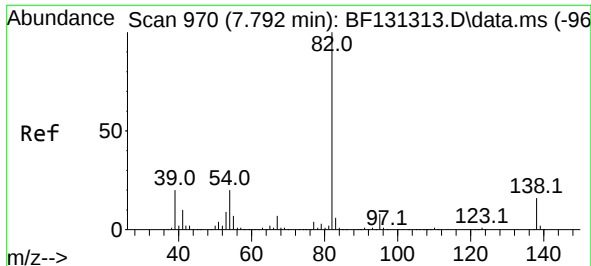
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Ion Ratio Lower Upper  
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128 43.6 31.4 47.0  
54 59.9 49.8 74.6



#24  
Nitrobenzene  
Concen: 6.112 ng  
RT: 7.534 min Scan# 926  
Delta R.T. -0.017 min  
Lab File: BF131393.D  
Acq: 25 Nov 2022 13:27

Tgt Ion: 77 Resp: 37762  
Ion Ratio Lower Upper  
77 100  
123 0.0 33.3 49.9#  
65 92.8 12.7 19.1#

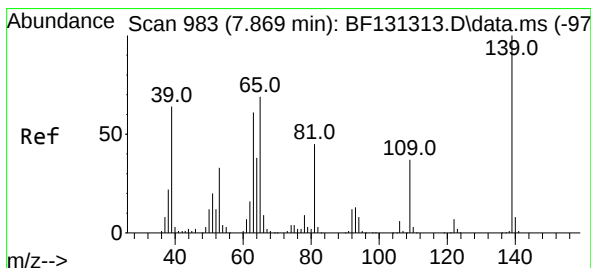
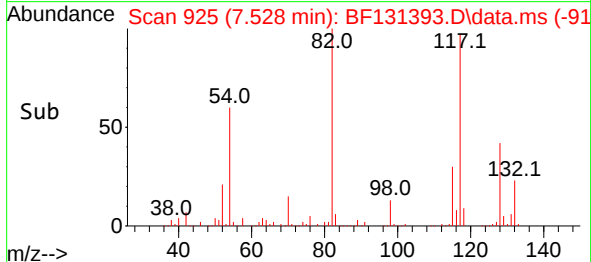
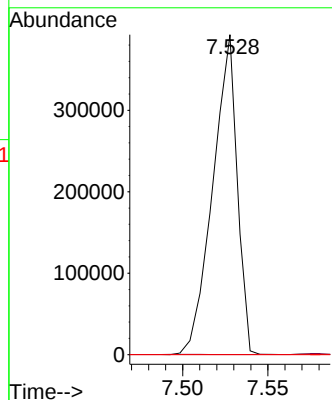
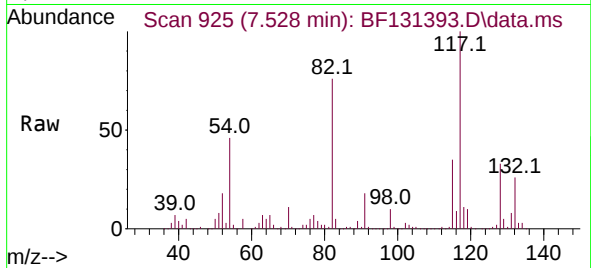




#25  
Isophorone  
Concen: 36.981 ng  
RT: 7.528 min Scan# 91  
Delta R.T. -0.259 min  
Lab File: BF131393.D  
Acq: 25 Nov 2022 13:27

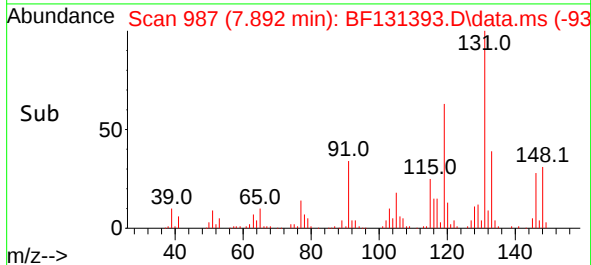
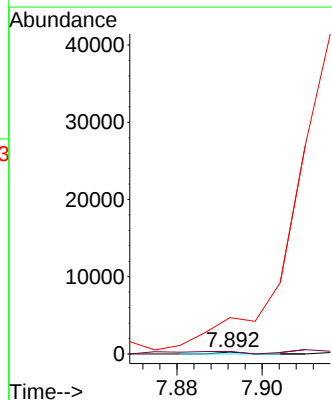
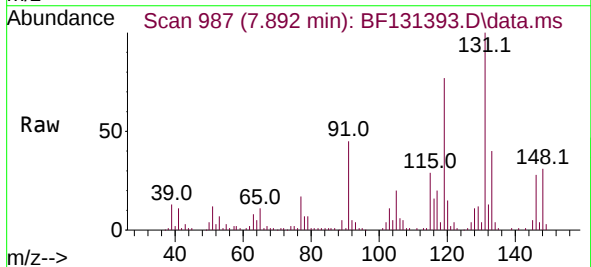
Instrument :  
BNA\_F  
ClientSampleId :

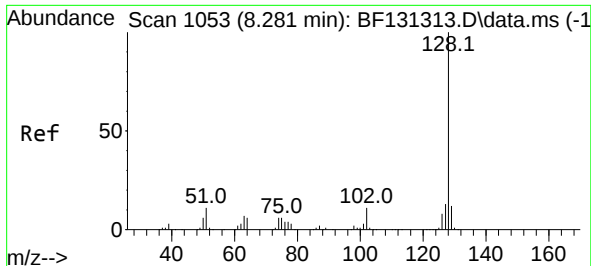
Tgt Ion: 82 Resp: 391215  
Ion Ratio Lower Upper  
82 100  
95 0.1 6.2 9.2#  
138 0.0 12.7 19.1#



#26  
2-Nitrophenol  
Concen: 3.626 ng  
RT: 7.892 min Scan# 987  
Delta R.T. 0.030 min  
Lab File: BF131393.D  
Acq: 25 Nov 2022 13:27

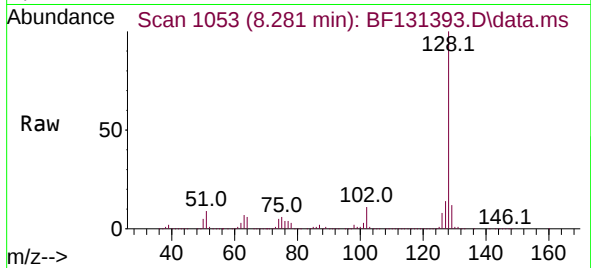
Tgt Ion:139 Resp: 87  
Ion Ratio Lower Upper  
139 100  
109 135.4 29.9 44.9#  
65 1913.4 55.7 83.5#



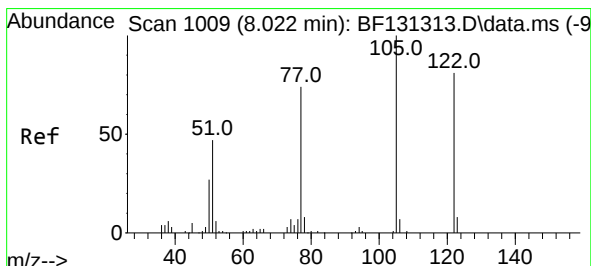
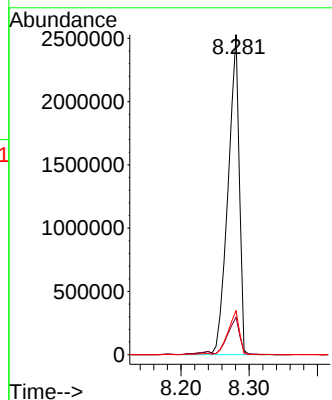
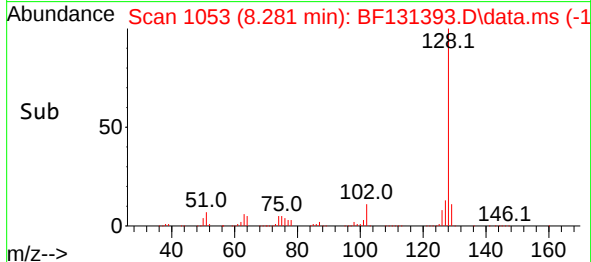


#31  
Naphthalene  
Concen: 183.165 ng  
RT: 8.281 min Scan# 1053  
Delta R.T. 0.006 min  
Lab File: BF131393.D  
Acq: 25 Nov 2022 13:27

Instrument :  
BNA\_F  
ClientSampleId :

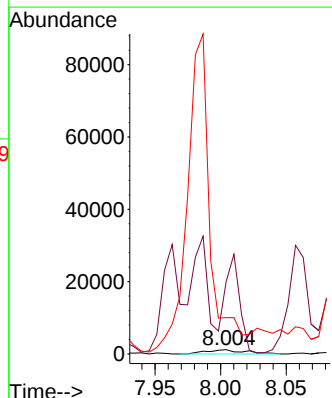
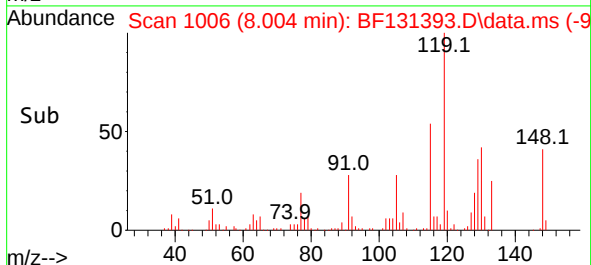
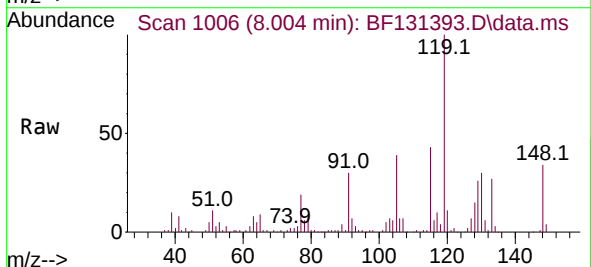


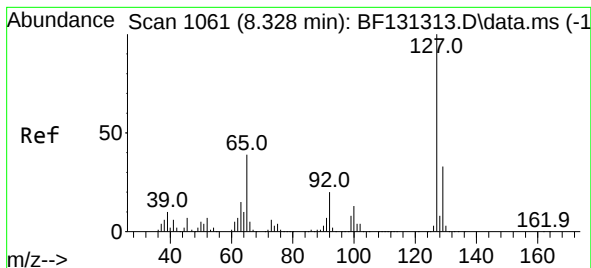
Tgt Ion:128 Resp: 2917533  
Ion Ratio Lower Upper  
128 100  
129 11.6 9.2 13.8  
127 13.7 10.6 16.0



#32  
Benzoic acid  
Concen: 6.246 ng  
RT: 8.004 min Scan# 1006  
Delta R.T. -0.006 min  
Lab File: BF131393.D  
Acq: 25 Nov 2022 13:27

Tgt Ion:122 Resp: 2436  
Ion Ratio Lower Upper  
122 100  
105 1642.7 103.8 143.8#  
77 824.7 74.3 114.3#





#33

4-Chloroaniline

Concen: 65.200 ng

RT: 8.281 min Scan# 1053

Delta R.T. -0.041 min

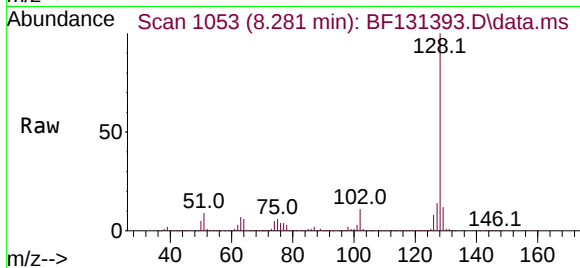
Lab File: BF131393.D

Acq: 25 Nov 2022 13:27

Instrument :

BNA\_F

ClientSampleId :



Tgt Ion:127 Resp: 409713

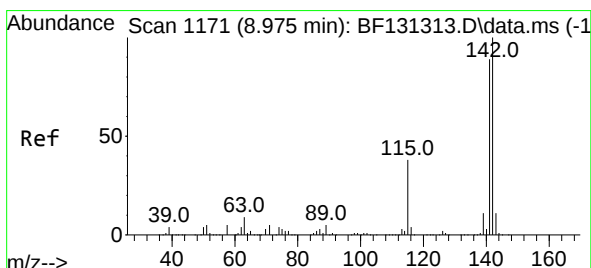
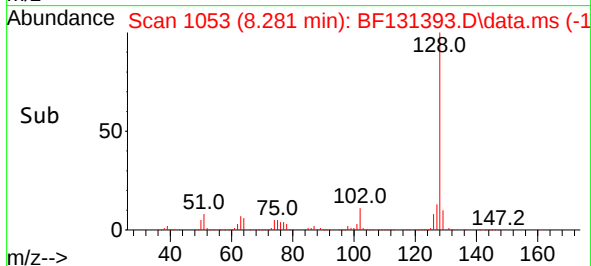
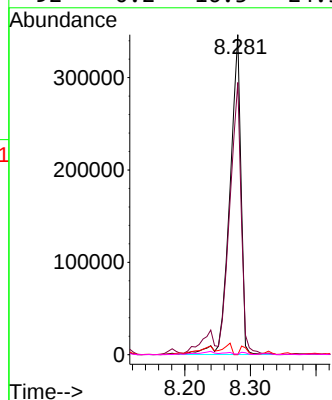
Ion Ratio Lower Upper

127 100

129 85.0 26.4 39.6#

65 0.0 31.0 46.6#

92 0.2 16.3 24.5#



#37

2-Methylnaphthalene

Concen: 92.066 ng

RT: 8.969 min Scan# 1170

Delta R.T. 0.000 min

Lab File: BF131393.D

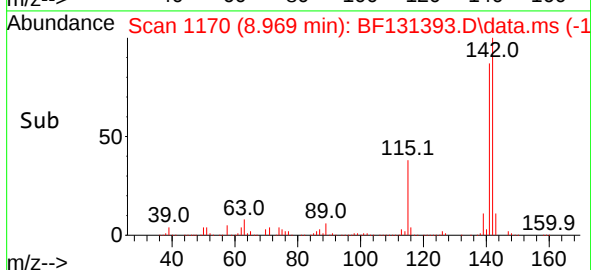
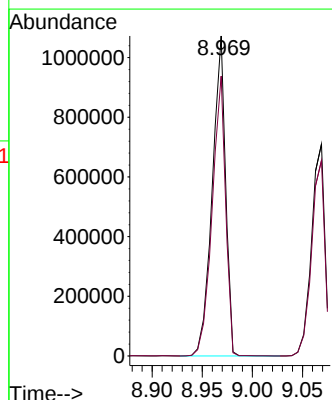
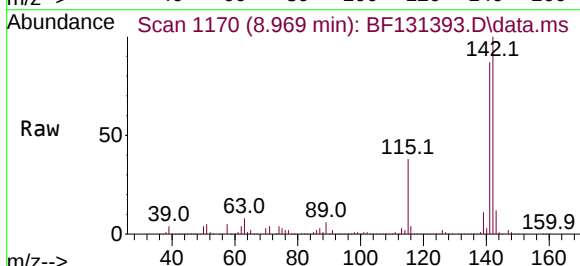
Acq: 25 Nov 2022 13:27

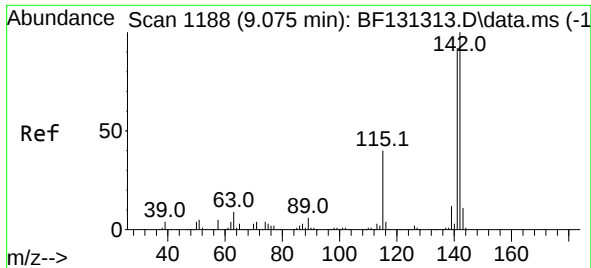
Tgt Ion:142 Resp: 993617

Ion Ratio Lower Upper

142 100

141 87.5 71.0 106.4

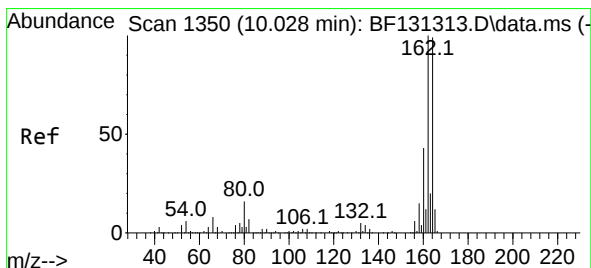
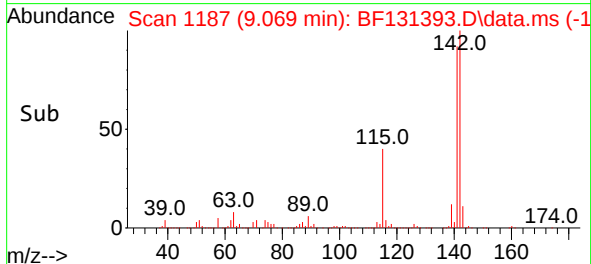
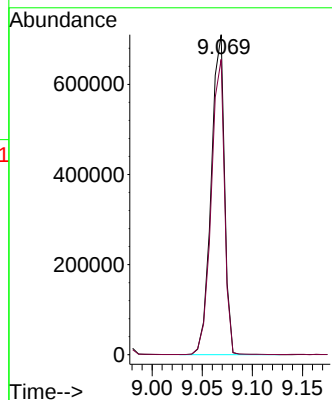
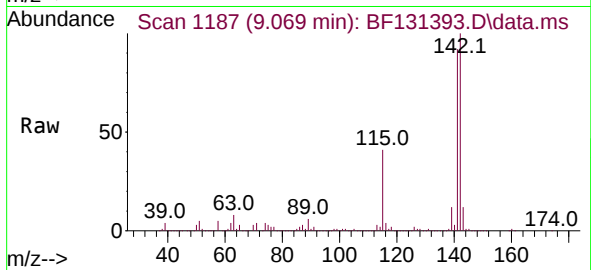




#38  
1-Methylnaphthalene  
Concen: 62.662 ng  
RT: 9.069 min Scan# 1188  
Delta R.T. 0.000 min  
Lab File: BF131393.D  
Acq: 25 Nov 2022 13:27

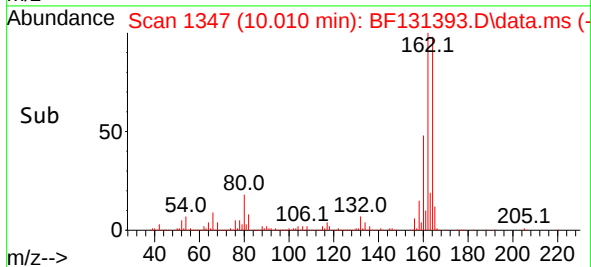
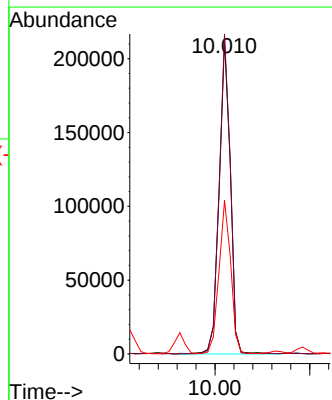
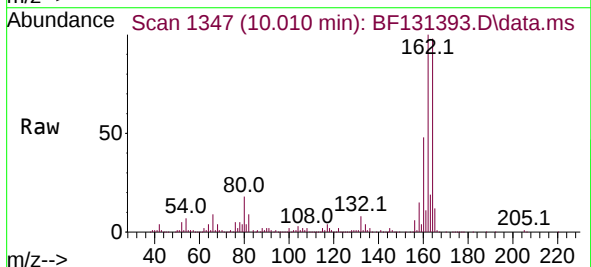
Instrument :  
BNA\_F  
ClientSampleId :

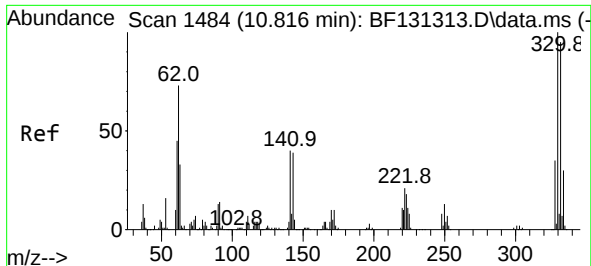
Tgt Ion:142 Resp: 655786  
Ion Ratio Lower Upper  
142 100  
141 92.3 73.4 110.0



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.010 min Scan# 1347  
Delta R.T. -0.006 min  
Lab File: BF131393.D  
Acq: 25 Nov 2022 13:27

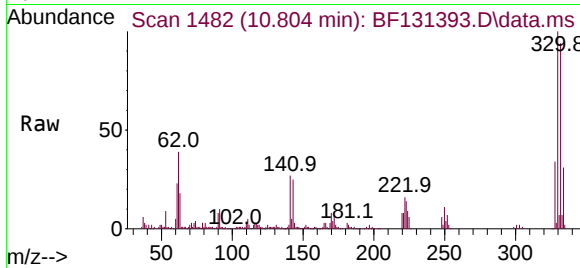
Tgt Ion:164 Resp: 174261  
Ion Ratio Lower Upper  
164 100  
162 102.0 80.6 120.8  
160 48.9 34.4 51.6



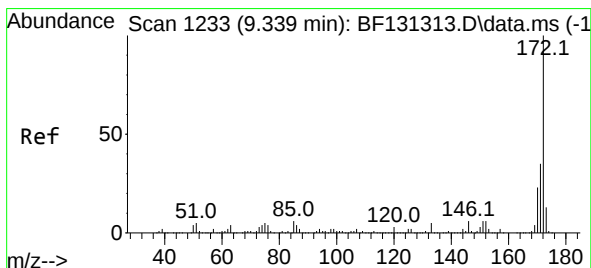
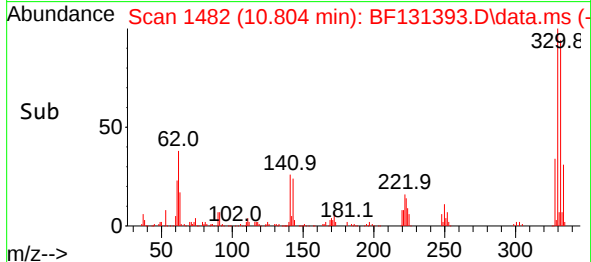
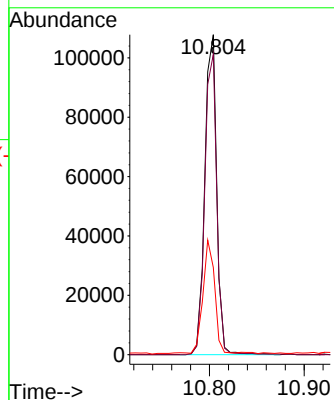


#42  
2,4,6-Tribromophenol  
Concen: 64.303 ng  
RT: 10.804 min Scan# 1482  
Delta R.T. -0.006 min  
Lab File: BF131393.D  
Acq: 25 Nov 2022 13:27

Instrument :  
BNA\_F  
ClientSampleId :

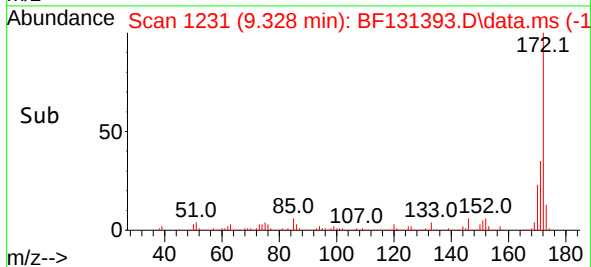
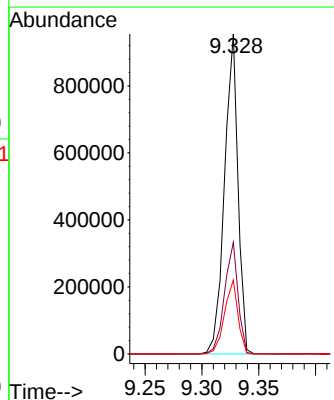
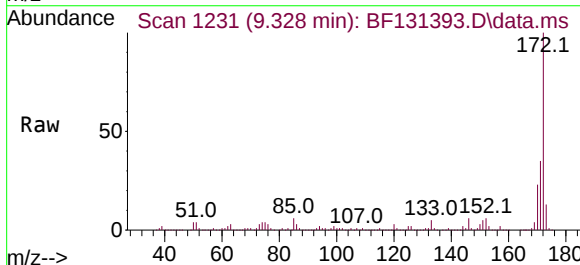


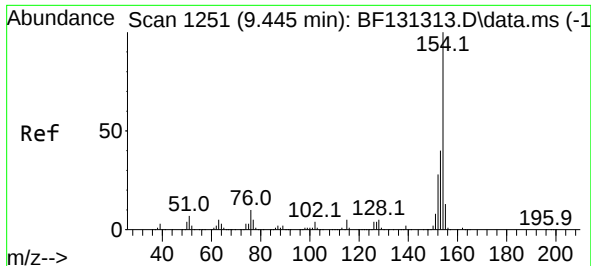
Tgt Ion:330 Resp: 94273  
Ion Ratio Lower Upper  
330 100  
332 95.2 77.5 116.3  
141 36.0 29.3 43.9



#45  
2-Fluorobiphenyl  
Concen: 66.016 ng  
RT: 9.328 min Scan# 1231  
Delta R.T. -0.006 min  
Lab File: BF131393.D  
Acq: 25 Nov 2022 13:27

Tgt Ion:172 Resp: 790749  
Ion Ratio Lower Upper  
172 100  
171 34.9 28.2 42.2  
170 23.1 18.7 28.1





#46

1,1'-Biphenyl

Concen: 5.246 ng

RT: 9.428 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131393.D

Acq: 25 Nov 2022 13:27

Instrument :

BNA\_F

ClientSampleId :

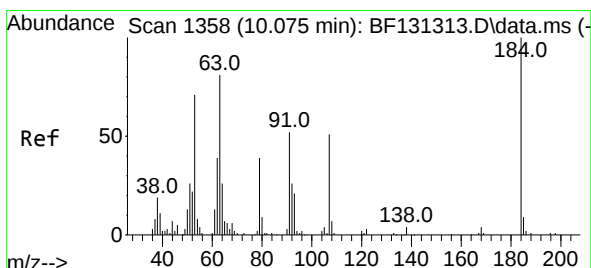
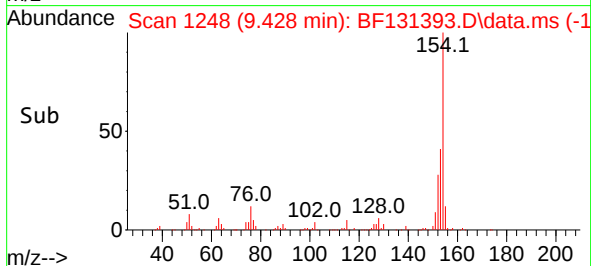
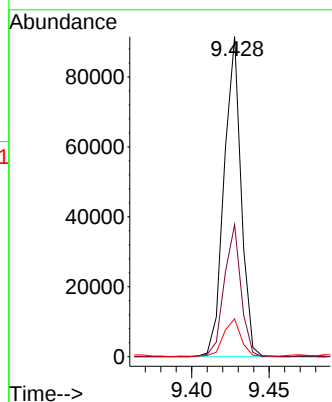
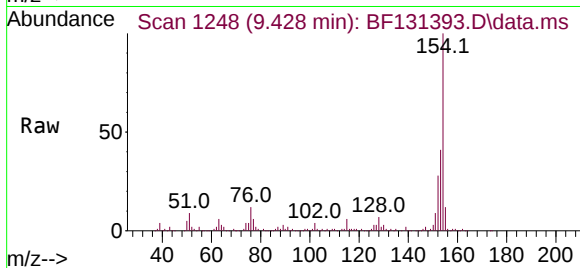
Tgt Ion:154 Resp: 69759

Ion Ratio Lower Upper

154 100

153 41.3 19.8 59.8

76 11.8 0.0 30.2



#54

2,4-Dinitrophenol

Concen: 4.976 ng

RT: 10.269 min Scan# 1391

Delta R.T. 0.194 min

Lab File: BF131393.D

Acq: 25 Nov 2022 13:27

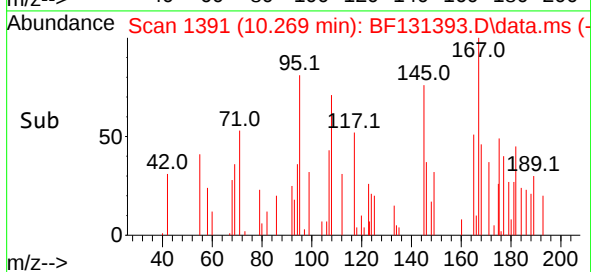
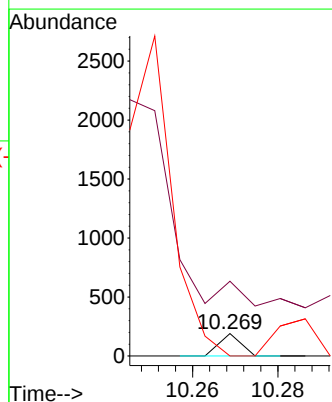
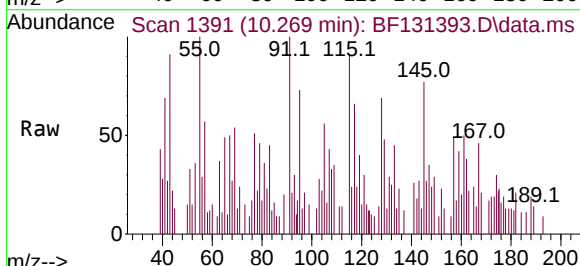
Tgt Ion:184 Resp: 67

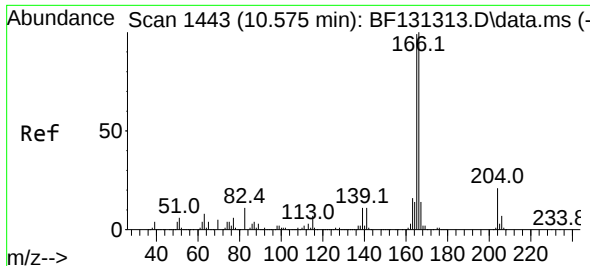
Ion Ratio Lower Upper

184 100

63 333.7 72.1 108.1#

154 0.0 56.3 84.5#

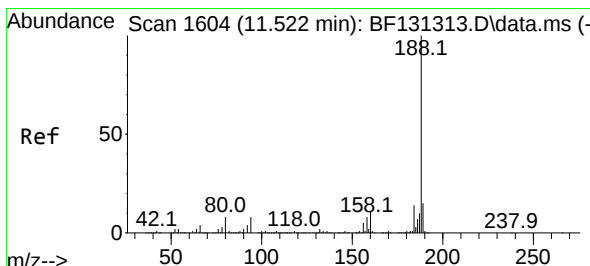
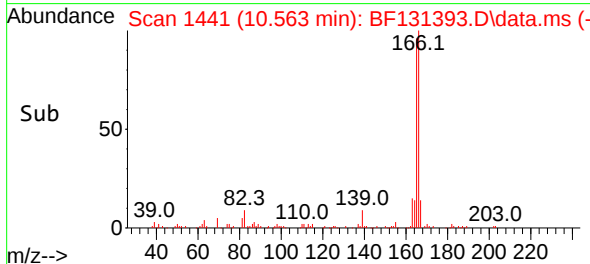
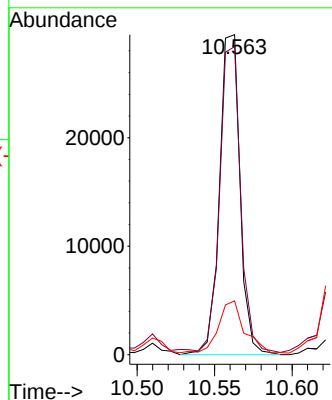
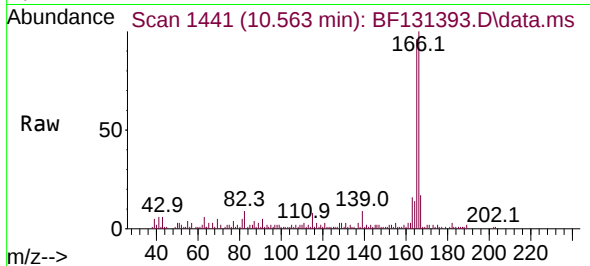




#58  
 Fluorene  
 Concen: 2.377 ng  
 RT: 10.563 min Scan# 1443  
 Delta R.T. -0.006 min  
 Lab File: BF131393.D  
 Acq: 25 Nov 2022 13:27

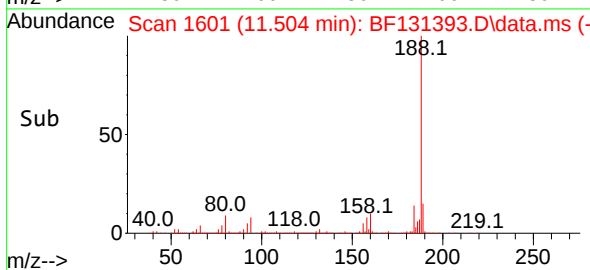
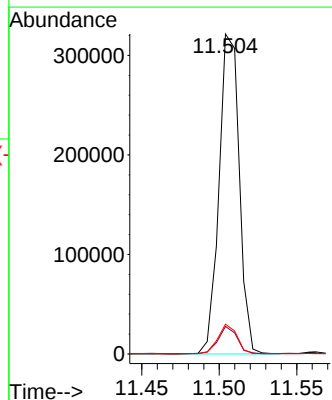
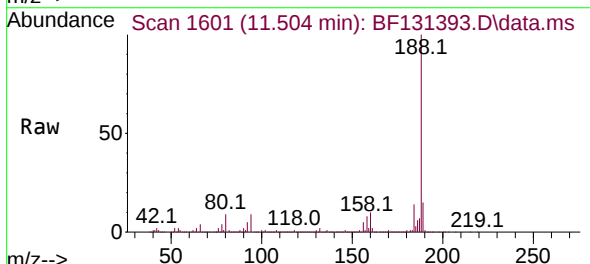
Instrument :  
 BNA\_F  
 ClientSampleId :

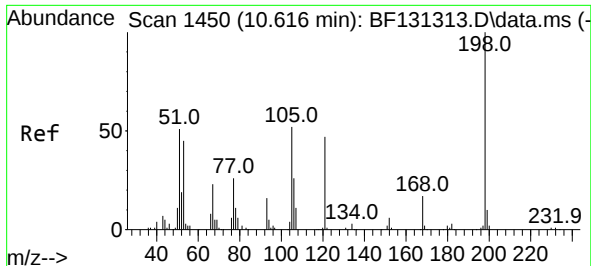
Tgt Ion:166 Resp: 27181  
 Ion Ratio Lower Upper  
 166 100  
 165 96.3 79.0 118.4  
 167 16.8 10.9 16.3#



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.504 min Scan# 1601  
 Delta R.T. -0.012 min  
 Lab File: BF131393.D  
 Acq: 25 Nov 2022 13:27

Tgt Ion:188 Resp: 293013  
 Ion Ratio Lower Upper  
 188 100  
 94 8.6 6.3 9.5  
 80 9.3 6.8 10.2

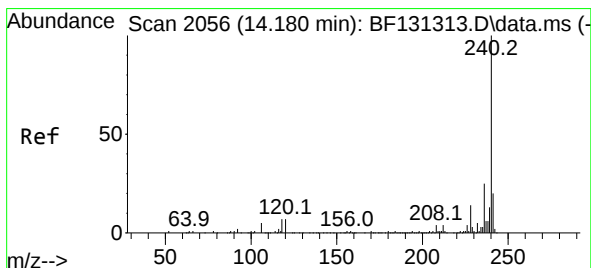
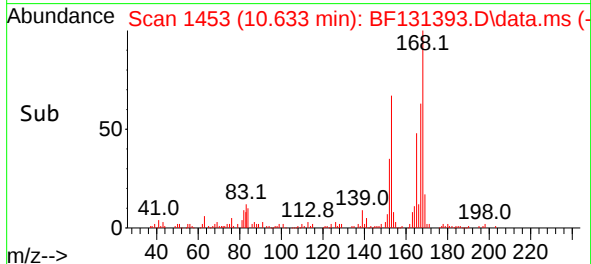
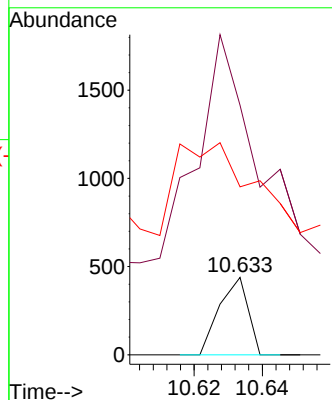
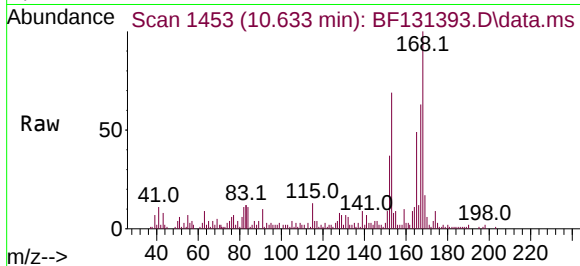




#65  
4,6-Dinitro-2-methylphenol  
Concen: 4.801 ng  
RT: 10.633 min Scan# 14  
Delta R.T. 0.024 min  
Lab File: BF131393.D  
Acq: 25 Nov 2022 13:27

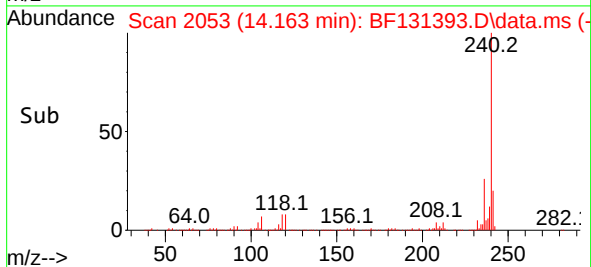
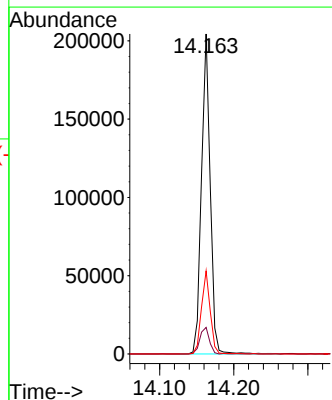
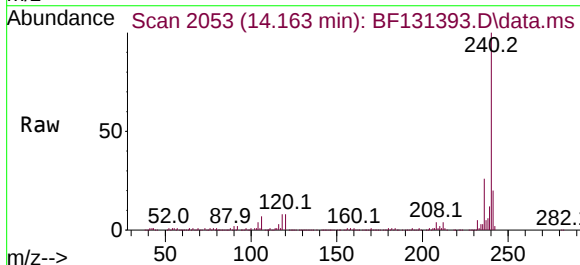
Instrument :  
BNA\_F  
ClientSampleId :

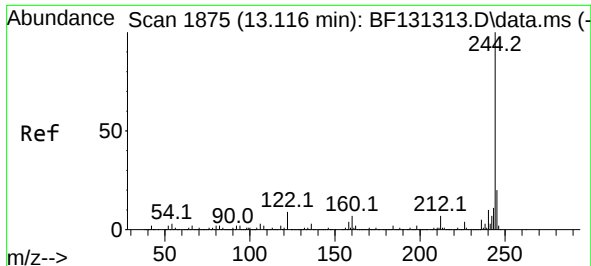
Tgt Ion:198 Resp: 256  
Ion Ratio Lower Upper  
198 100  
51 322.3 50.1 90.1#  
105 216.9 32.5 72.5#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.163 min Scan# 2053  
Delta R.T. -0.012 min  
Lab File: BF131393.D  
Acq: 25 Nov 2022 13:27

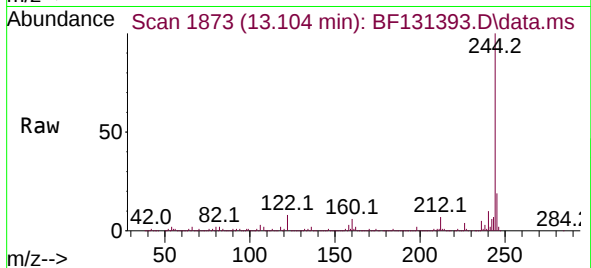
Tgt Ion:240 Resp: 166947  
Ion Ratio Lower Upper  
240 100  
120 8.3 5.8 8.8  
236 26.0 20.3 30.5



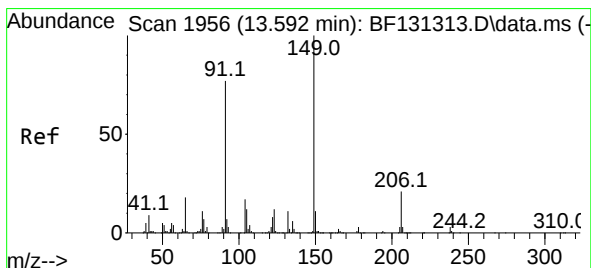
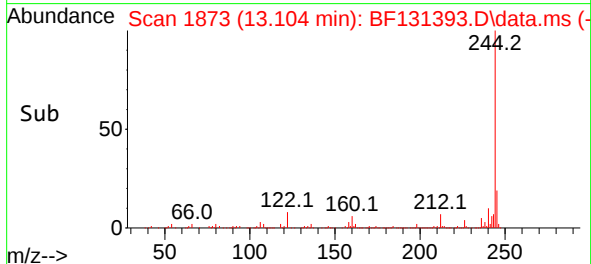
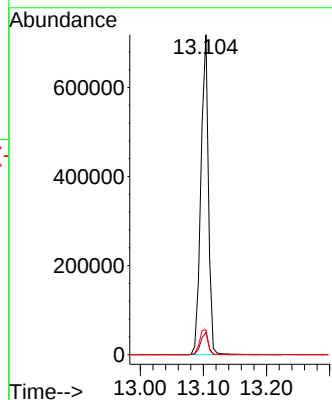


#79  
 Terphenyl-d14  
 Concen: 57.725 ng  
 RT: 13.104 min Scan# 1873  
 Delta R.T. -0.006 min  
 Lab File: BF131393.D  
 Acq: 25 Nov 2022 13:27

Instrument :  
 BNA\_F  
 ClientSampleId :

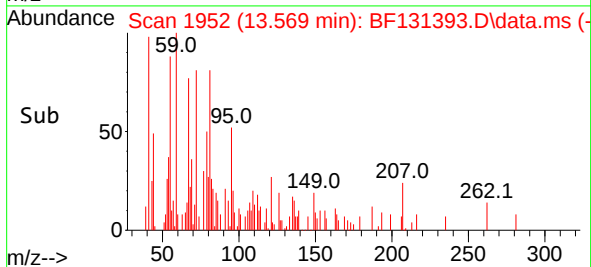
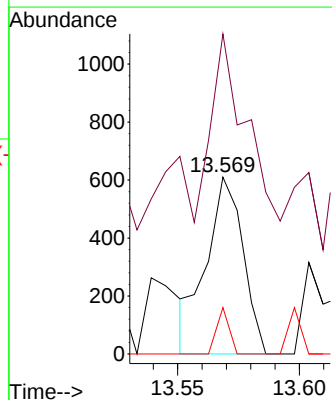
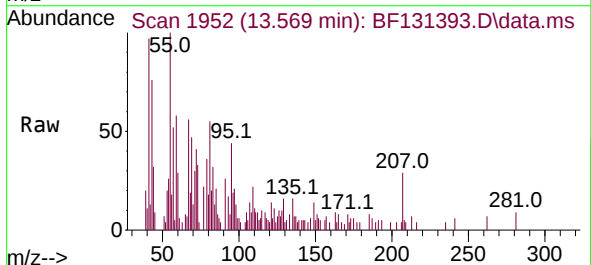


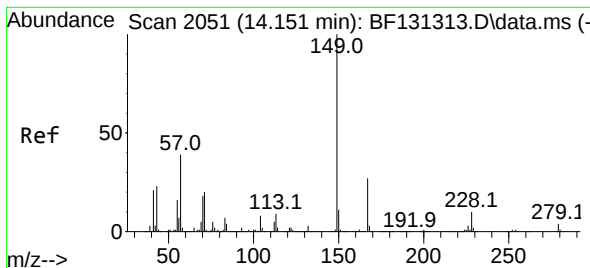
Tgt Ion:244 Resp: 589320  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.9 8.9  
 122 7.8 7.5 11.3



#80  
 Butylbenzylphthalate  
 Concen: 4.261 ng  
 RT: 13.569 min Scan# 1952  
 Delta R.T. -0.017 min  
 Lab File: BF131393.D  
 Acq: 25 Nov 2022 13:27

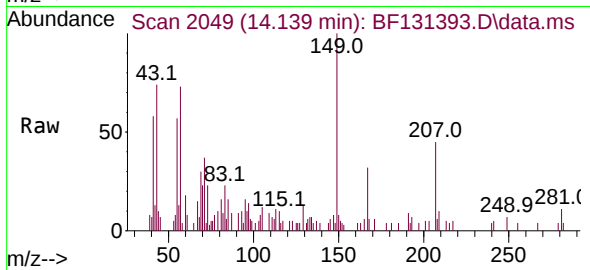
Tgt Ion:149 Resp: 638  
 Ion Ratio Lower Upper  
 149 100  
 91 181.0 61.9 92.9#  
 206 26.2 16.5 24.7#



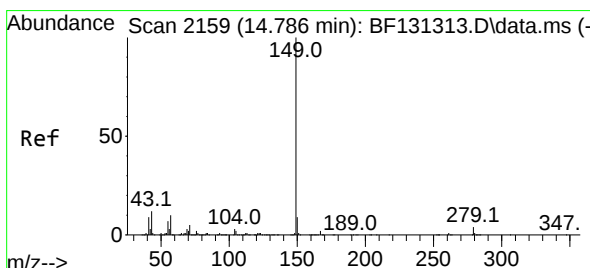
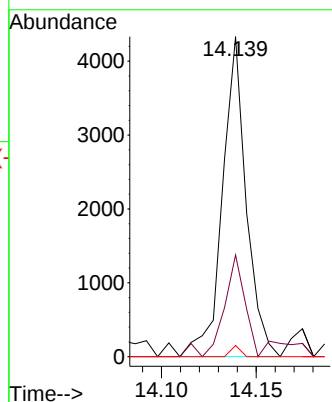
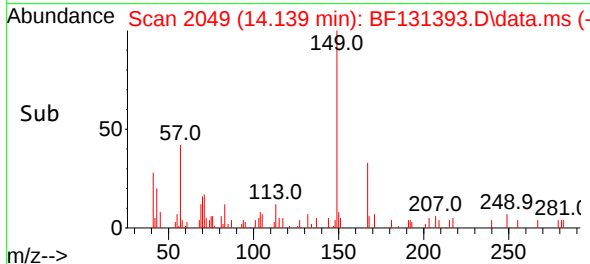


#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 4.280 ng  
 RT: 14.139 min Scan# 2049  
 Delta R.T. -0.006 min  
 Lab File: BF131393.D  
 Acq: 25 Nov 2022 13:27

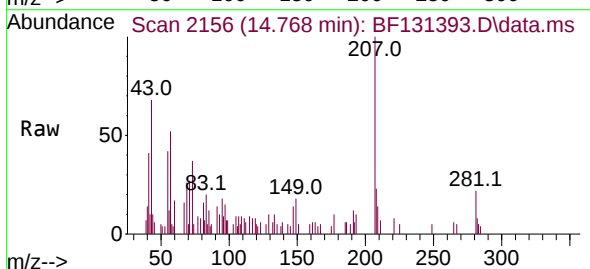
Instrument :  
 BNA\_F  
 ClientSampleId :



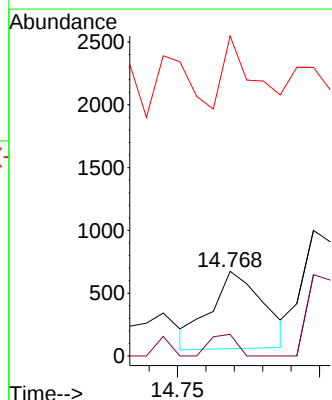
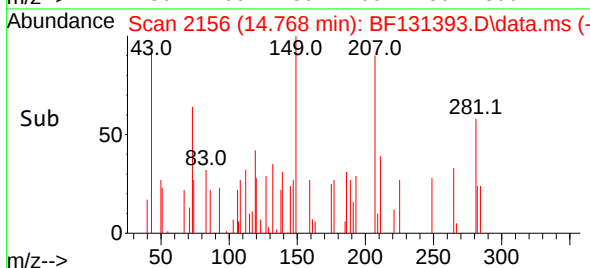
Tgt Ion:149 Resp: 3786  
 Ion Ratio Lower Upper  
 149 100  
 167 31.8 21.9 32.9  
 279 3.5 3.0 4.4

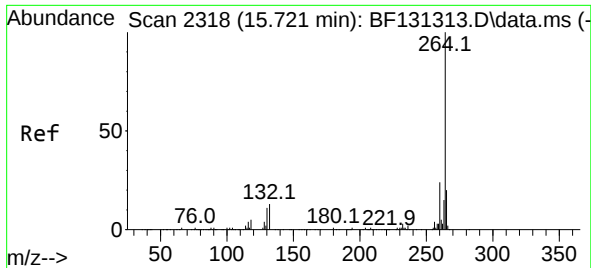


#85  
 Di-n-octyl phthalate  
 Concen: 3.999 ng  
 RT: 14.768 min Scan# 2156  
 Delta R.T. -0.006 min  
 Lab File: BF131393.D  
 Acq: 25 Nov 2022 13:27



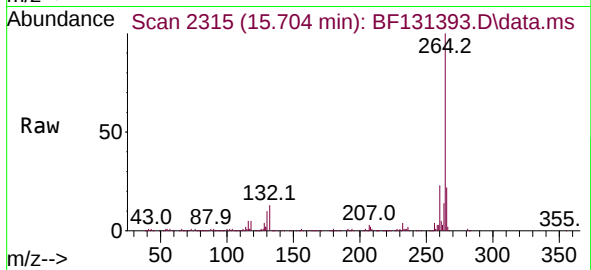
Tgt Ion:149 Resp: 796  
 Ion Ratio Lower Upper  
 149 100  
 167 14.4 1.2 1.8#  
 43 0.0 10.7 16.1#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.704 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF131393.D  
Acq: 25 Nov 2022 13:27

Instrument :  
BNA\_F  
ClientSampleId :



Tgt Ion:264 Resp: 184903  
Ion Ratio Lower Upper  
264 100  
260 23.4 19.0 28.4  
265 21.7 16.4 24.6

