

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051721\  
 Data File : BF123963.D  
 Acq On : 17 May 2021 15:03  
 Operator : JU/CG  
 Sample : M2383-12DL 5X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP-02-05122021DL

Quant Time: May 17 15:45:29 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF051421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 14 19:05:57 2021  
 Response via : Initial Calibration

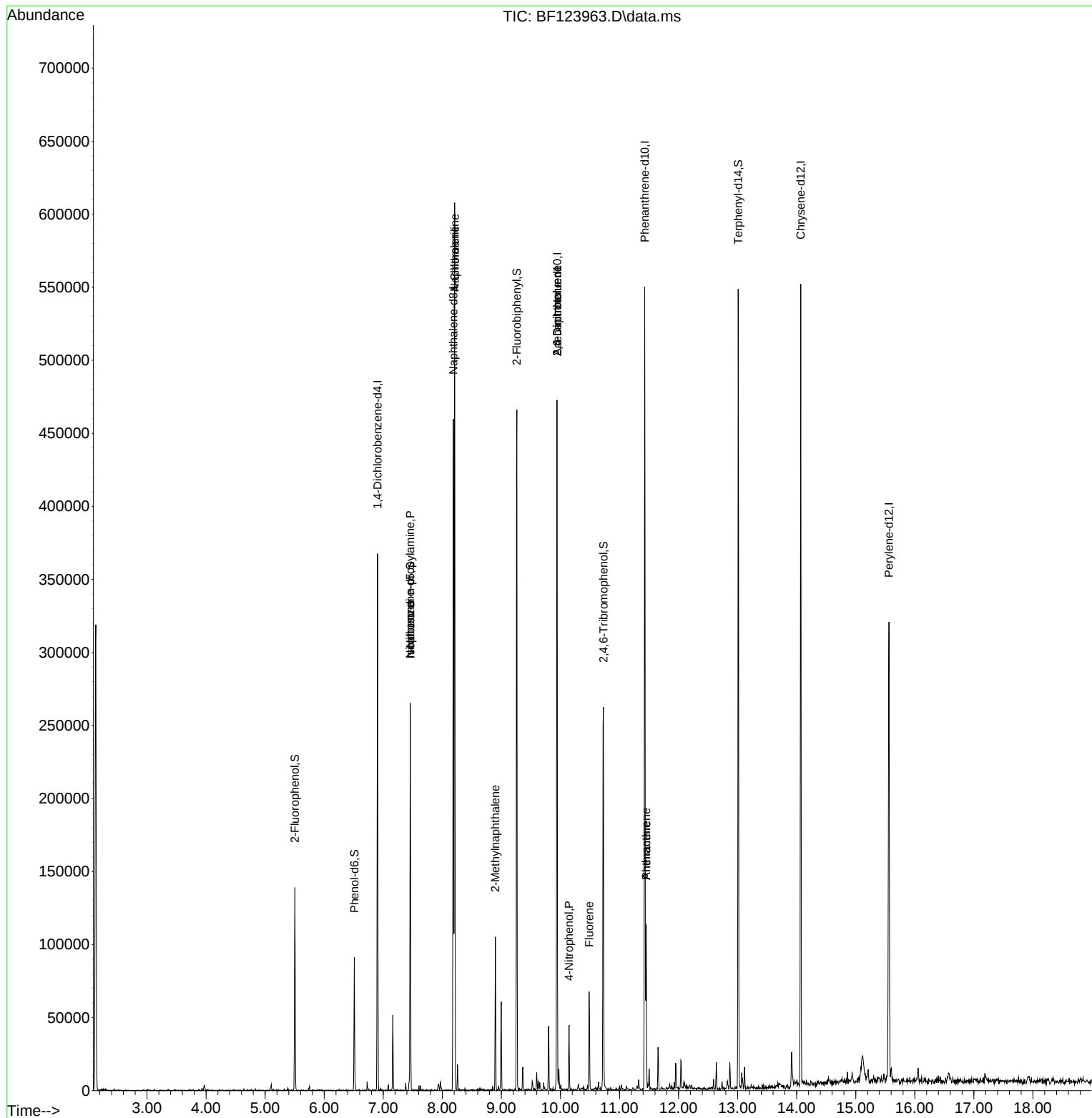
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.904  | 152  | 39220    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.186  | 136  | 156291   | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.945  | 164  | 90664    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.427 | 188  | 178466   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.068 | 240  | 156125   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 15.562 | 264  | 135161   | 20.00 | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 26770    | 9.58  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 19270    | 5.32  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 66203    | 18.25 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.727 | 330  | 27080    | 24.87 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.263  | 172  | 120483   | 16.35 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.010 | 244  | 149044   | 14.46 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.457  | 70   | 9336     | 3.81  | ng    | # 80     |
| 25) Isophorone                | 7.457  | 82   | 66203    | 9.49  | ng    | # 69     |
| 31) Naphthalene               | 8.210  | 128  | 199093   | 21.52 | ng    | 99       |
| 33) 4-Chloroaniline           | 8.210  | 127  | 26713    | 7.59  | ng    | # 29     |
| 37) 2-Methylnaphthalene       | 8.898  | 142  | 20425    | 3.26  | ng    | 96       |
| 51) 2,6-Dinitrotoluene        | 9.945  | 165  | 12023    | 8.21  | ng    | # 10     |
| 56) 4-Nitrophenol             | 10.145 | 139  | 5298     | 4.40  | ng    | # 1      |
| 57) 2,4-Dinitrotoluene        | 9.945  | 165  | 12023    | 6.70  | ng    | # 15     |
| 58) Fluorene                  | 10.486 | 166  | 15569    | 2.24  | ng    | 98       |
| 71) Phenanthrene              | 11.451 | 178  | 31949    | 2.82  | ng    | 98       |
| 72) Anthracene                | 11.451 | 178  | 31949    | 2.79  | ng    | 97       |
| -----                         |        |      |          |       |       |          |

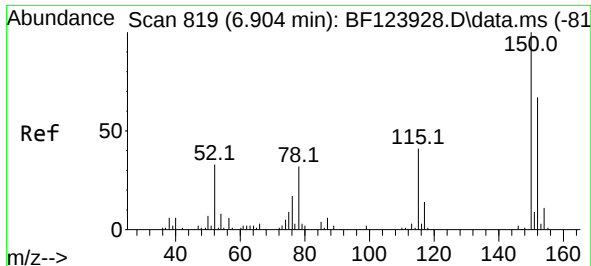
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051721\  
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Sample : M2383-12DL 5X  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DUP-02-05122021DL

Quant Time: May 17 15:45:29 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF051421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri May 14 19:05:57 2021  
Response via : Initial Calibration

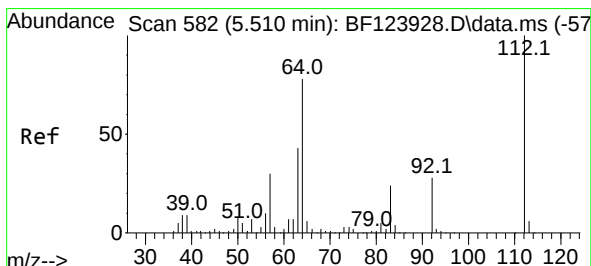
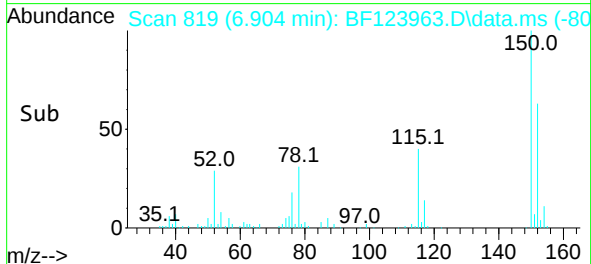
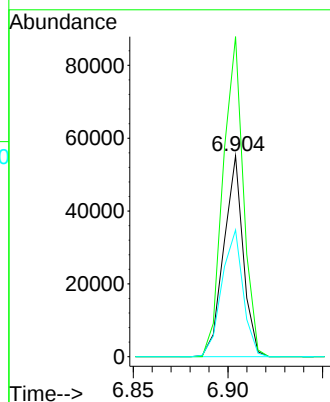
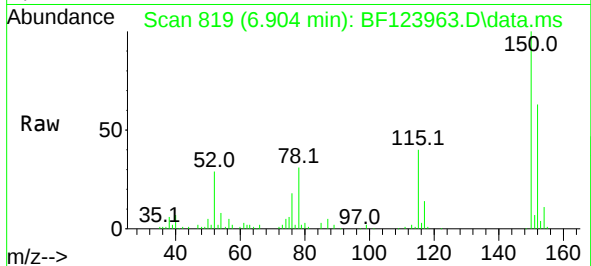




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.904 min Scan# 819  
Delta R.T. 0.000 min  
Lab File: BF123963.D  
Acq: 17 May 2021 15:03

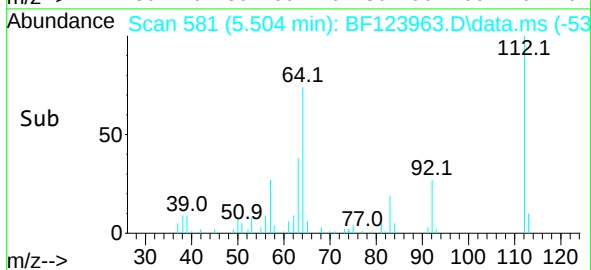
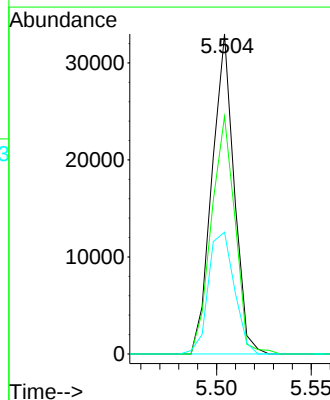
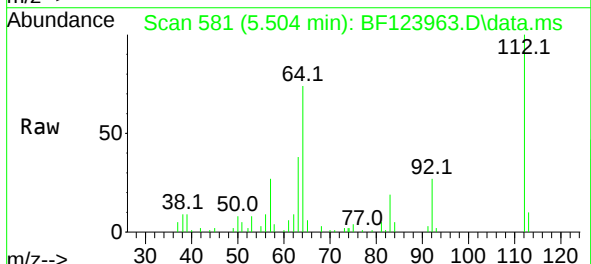
Instrument :  
BNA\_F  
ClientSampleId :  
DUP-02-05122021DL

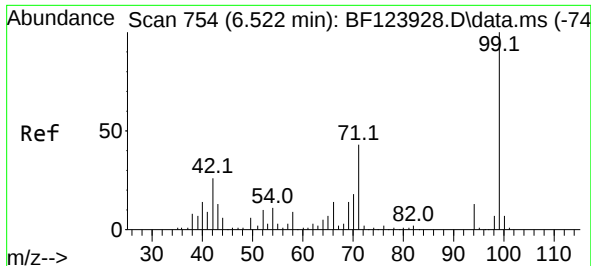
Tgt Ion:152 Resp: 39220  
Ion Ratio Lower Upper  
152 100  
150 159.2 127.0 190.6  
115 63.0 54.3 81.5



#5  
2-Fluorophenol  
Concen: 9.58 ng  
RT: 5.504 min Scan# 581  
Delta R.T. -0.006 min  
Lab File: BF123963.D  
Acq: 17 May 2021 15:03

Tgt Ion:112 Resp: 26770  
Ion Ratio Lower Upper  
112 100  
64 74.3 61.4 92.0  
63 38.1 33.0 49.4

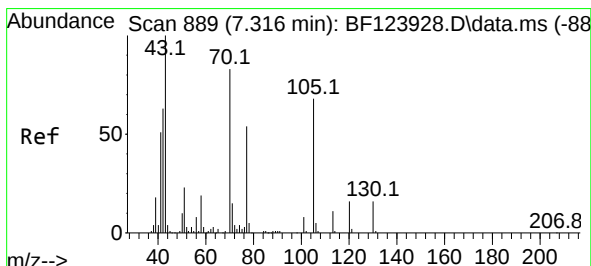
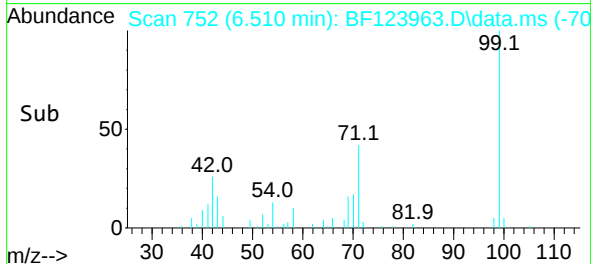
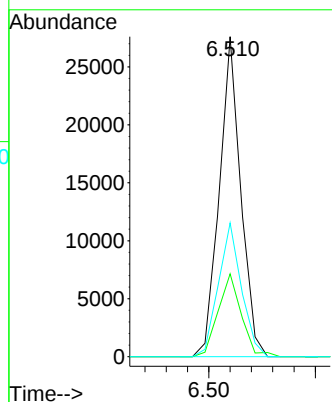
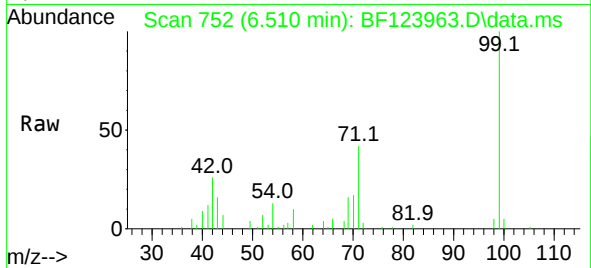




#7  
Phenol-d6  
Concen: 5.32 ng  
RT: 6.510 min Scan# 752  
Delta R.T. -0.012 min  
Lab File: BF123963.D  
Acq: 17 May 2021 15:03

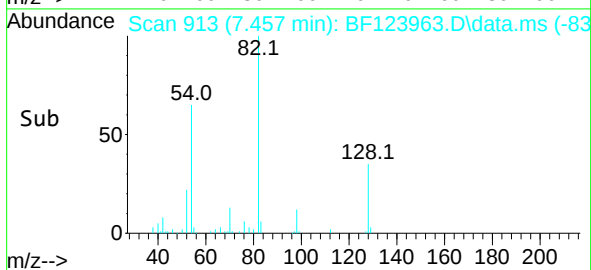
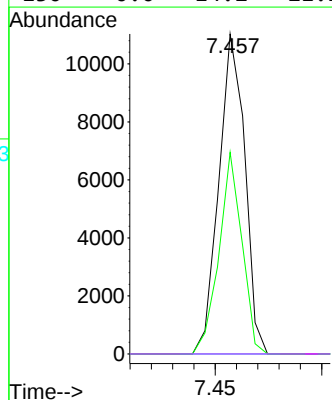
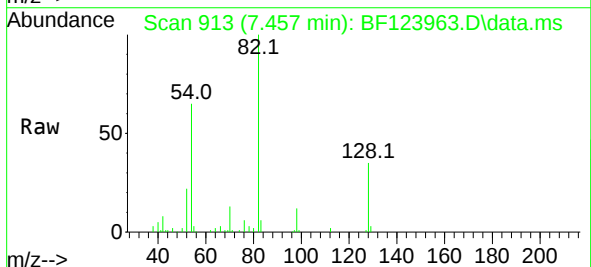
Instrument :  
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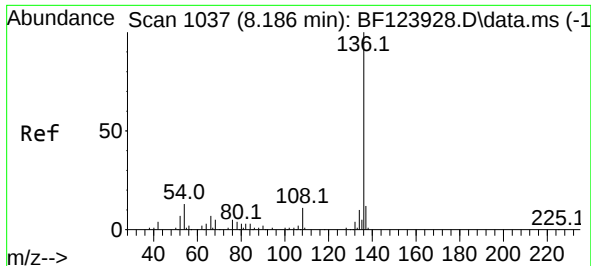
Tgt Ion: 99 Resp: 19270  
Ion Ratio Lower Upper  
99 100  
42 25.9 19.8 29.8  
71 41.8 31.1 46.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 3.81 ng  
RT: 7.457 min Scan# 913  
Delta R.T. 0.141 min  
Lab File: BF123963.D  
Acq: 17 May 2021 15:03

Tgt Ion: 70 Resp: 9336  
Ion Ratio Lower Upper  
70 100  
42 63.0 60.1 90.1  
101 0.0 7.4 11.2#  
130 0.0 14.2 21.2#

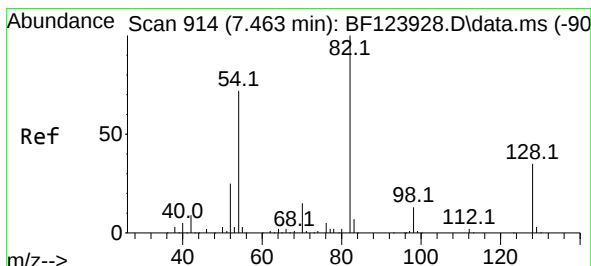
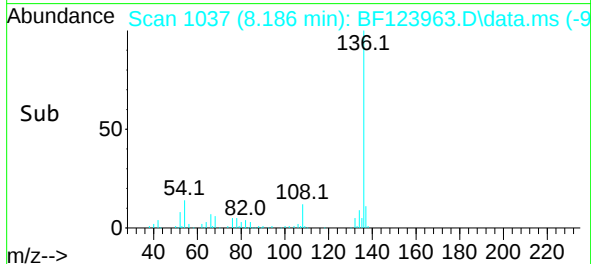
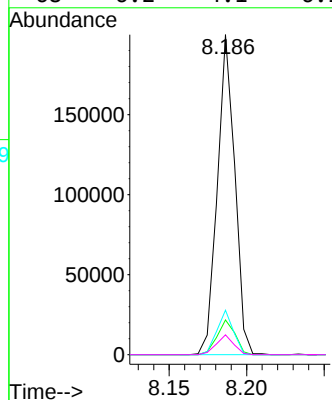
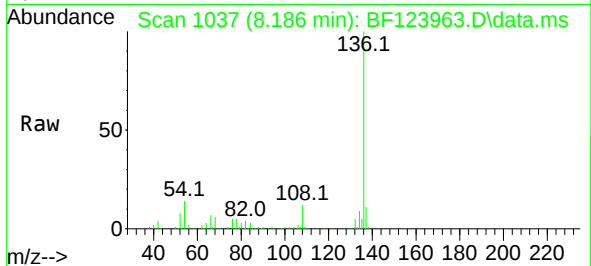




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.186 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: BF123963.D  
Acq: 17 May 2021 15:03

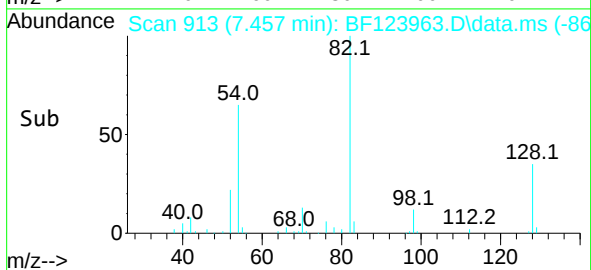
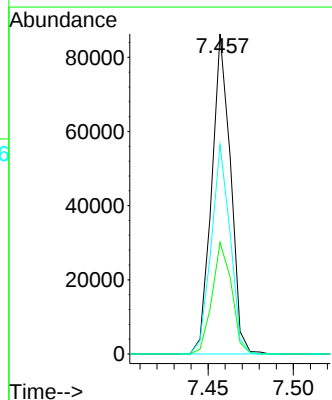
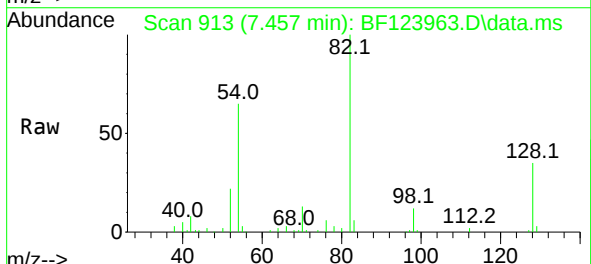
Instrument :  
BNA\_F  
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DUP-02-05122021DL

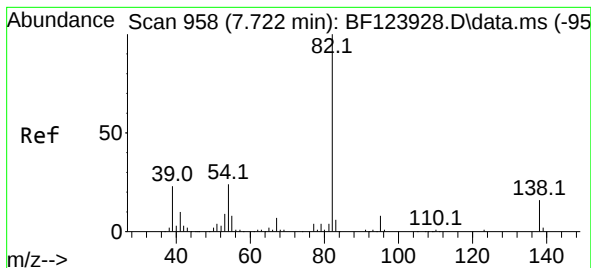
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 156291 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.9  | 8.7   | 13.1   |
| 54        | 13.9  | 9.8   | 14.6   |
| 68        | 6.2   | 4.1   | 6.1    |



#23  
Nitrobenzene-d5  
Concen: 18.25 ng  
RT: 7.457 min Scan# 913  
Delta R.T. -0.006 min  
Lab File: BF123963.D  
Acq: 17 May 2021 15:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 66203 |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 34.9  | 29.4  | 44.2  |
| 54        | 65.4  | 54.1  | 81.1  |





#25

Isophorone

Concen: 9.49 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.265 min

Lab File: BF123963.D

Acq: 17 May 2021 15:03

Tgt Ion: 82 Resp: 66203

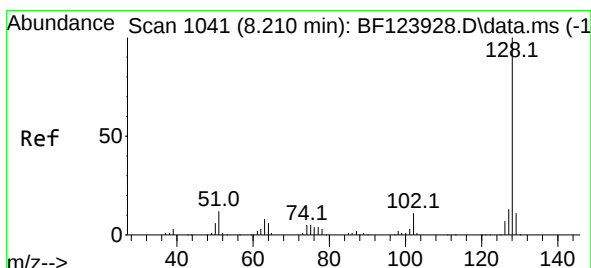
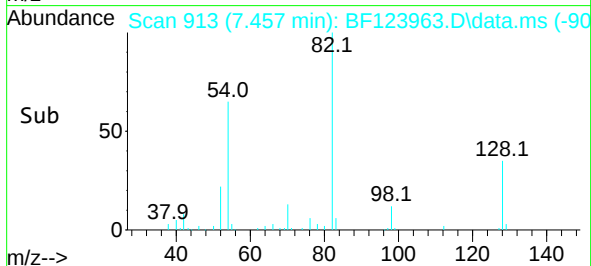
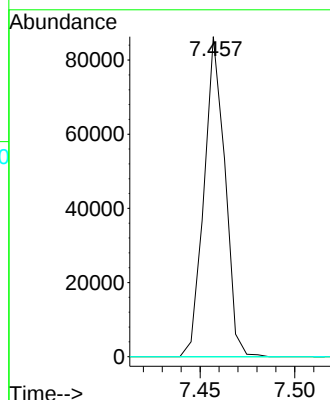
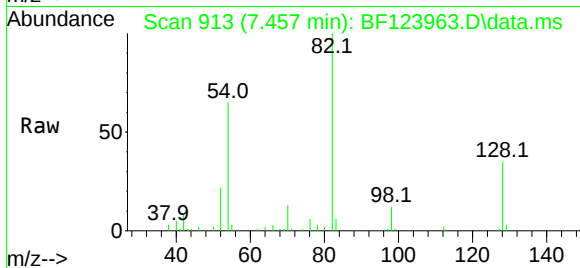
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 95  | 0.0   | 5.8   | 8.6#  |
| 138 | 0.0   | 11.8  | 17.8# |

Instrument :

BNA\_F

ClientSampleId :

DUP-02-05122021DL



#31

Naphthalene

Concen: 21.52 ng

RT: 8.210 min Scan# 1041

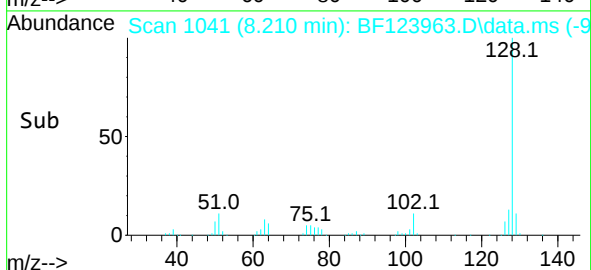
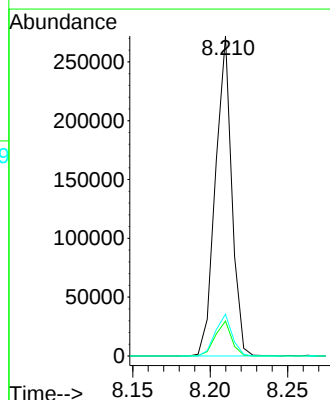
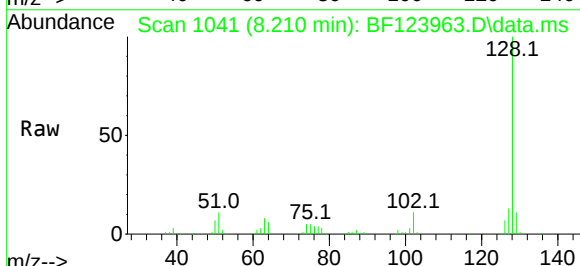
Delta R.T. -0.000 min

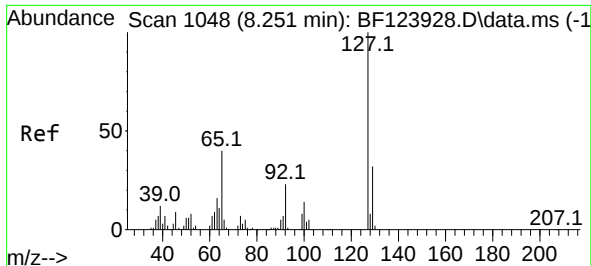
Lab File: BF123963.D

Acq: 17 May 2021 15:03

Tgt Ion: 128 Resp: 199093

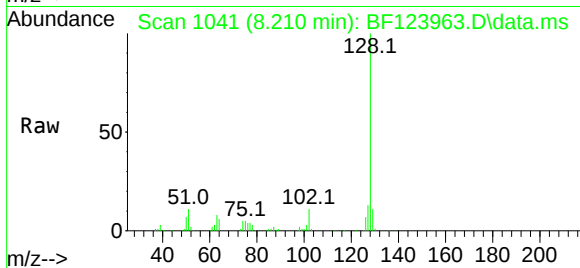
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 10.9  | 8.9   | 13.3  |
| 127 | 13.1  | 10.8  | 16.2  |



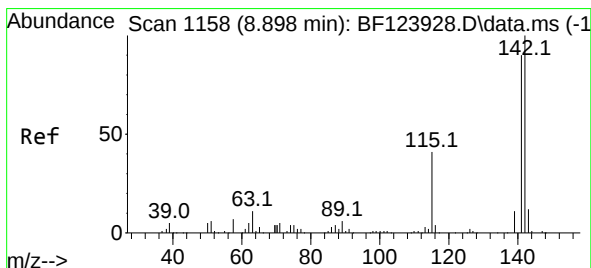
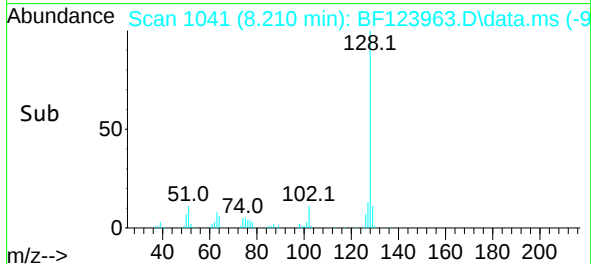
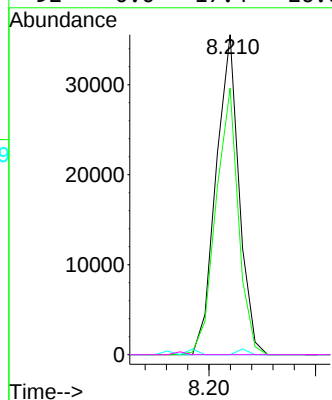


#33  
4-Chloroaniline  
Concen: 7.59 ng  
RT: 8.210 min Scan# 1041  
Delta R.T. -0.041 min  
Lab File: BF123963.D  
Acq: 17 May 2021 15:03

Instrument :  
BNA\_F  
ClientSampleId :  
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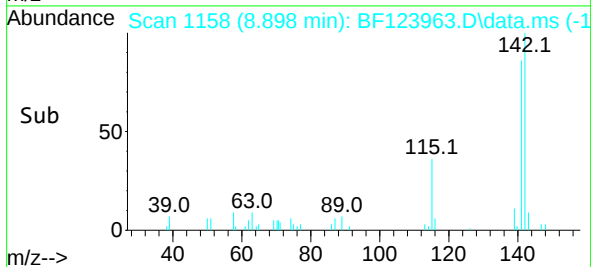
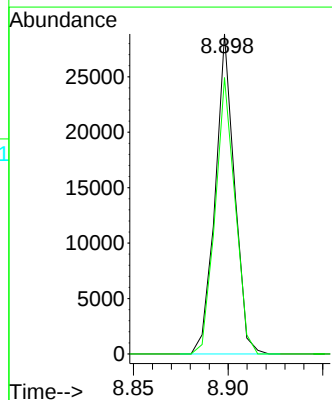
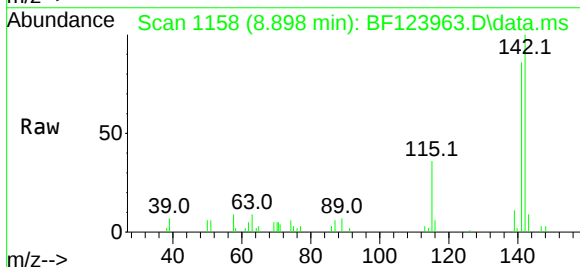


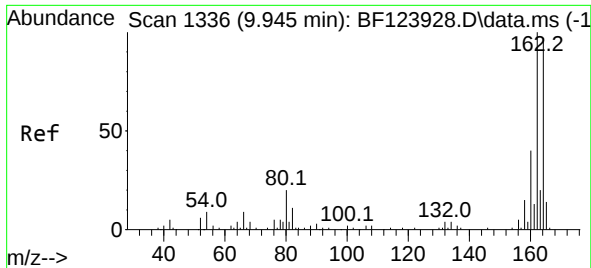
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 83.3  | 25.7  | 38.5# |
| 65      | 0.0   | 34.5  | 51.7# |
| 92      | 0.0   | 17.4  | 26.0# |



#37  
2-Methylnaphthalene  
Concen: 3.26 ng  
RT: 8.898 min Scan# 1158  
Delta R.T. -0.000 min  
Lab File: BF123963.D  
Acq: 17 May 2021 15:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 86.3  | 71.8  | 107.6 |

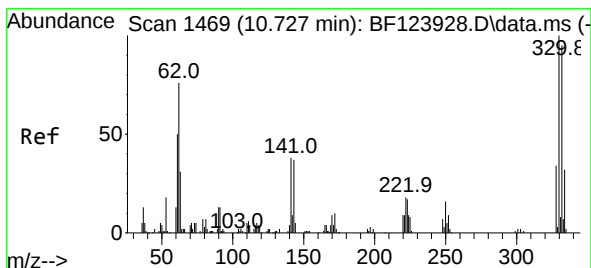
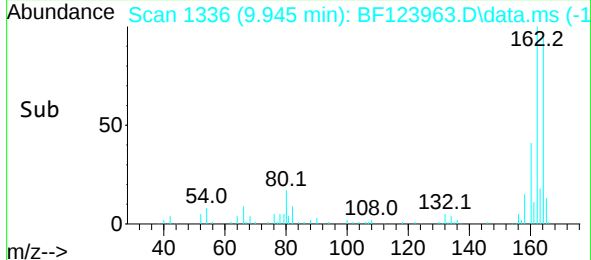
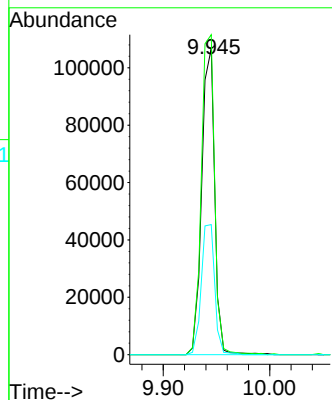
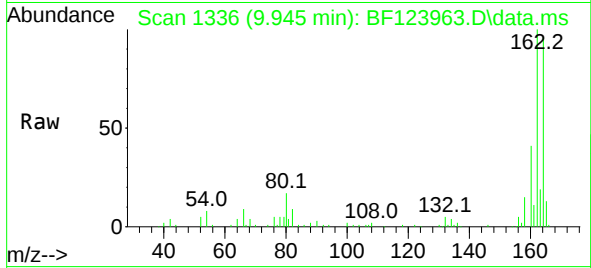




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.945 min Scan# 1336  
Delta R.T. 0.000 min  
Lab File: BF123963.D  
Acq: 17 May 2021 15:03

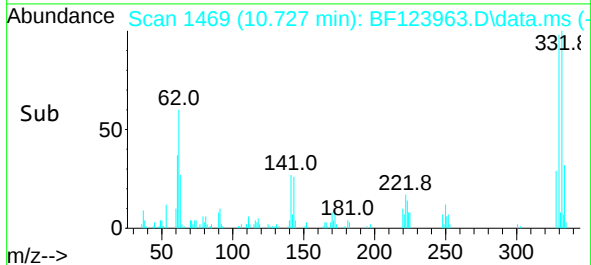
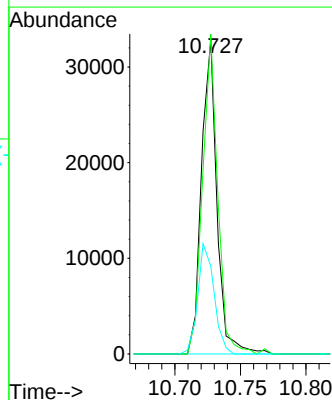
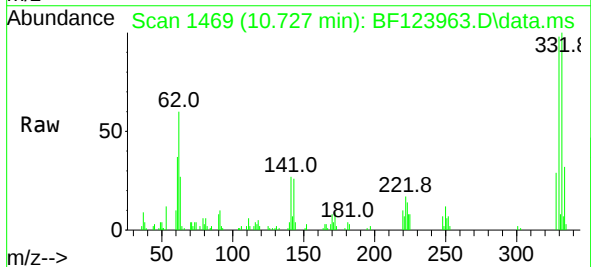
Instrument :  
BNA\_F  
ClientSampleId :  
DUP-02-05122021DL

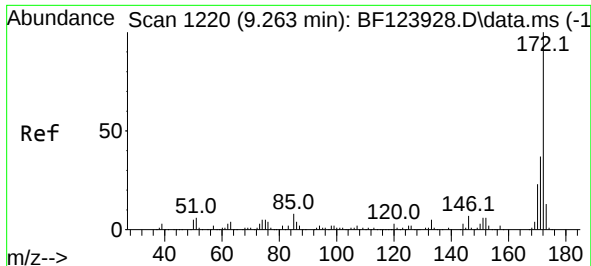
Tgt Ion:164 Resp: 90664  
Ion Ratio Lower Upper  
164 100  
162 104.6 80.7 121.1  
160 42.5 37.3 55.9



#42  
2,4,6-Tribromophenol  
Concen: 24.87 ng  
RT: 10.727 min Scan# 1469  
Delta R.T. -0.000 min  
Lab File: BF123963.D  
Acq: 17 May 2021 15:03

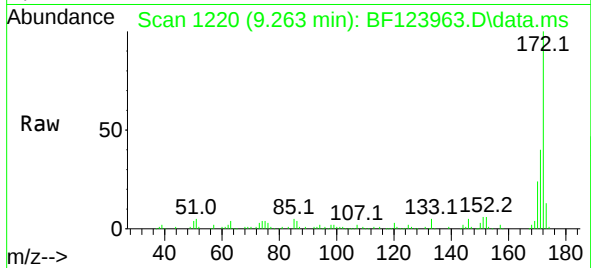
Tgt Ion:330 Resp: 27080  
Ion Ratio Lower Upper  
330 100  
332 99.0 77.1 115.7  
141 36.8 27.9 41.9



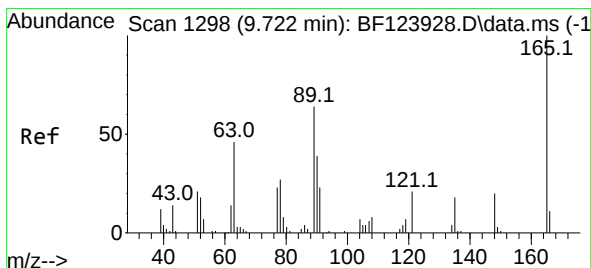
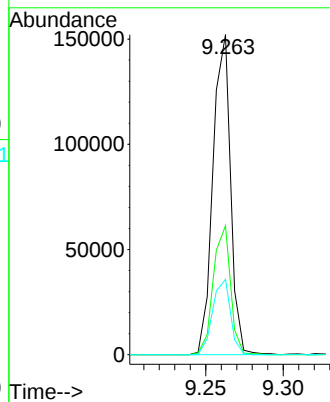
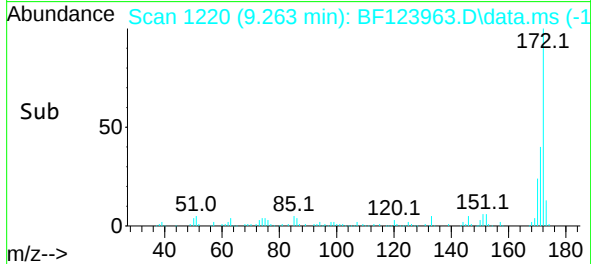


#45  
2-Fluorobiphenyl  
Concen: 16.35 ng  
RT: 9.263 min Scan# 1220  
Delta R.T. -0.000 min  
Lab File: BF123963.D  
Acq: 17 May 2021 15:03

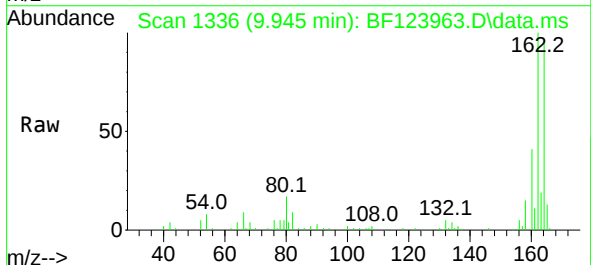
Instrument :  
BNA\_F  
ClientSampleId :  
DUP-02-05122021DL



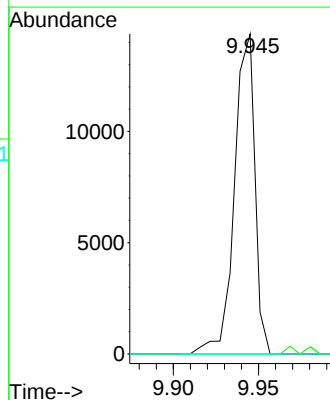
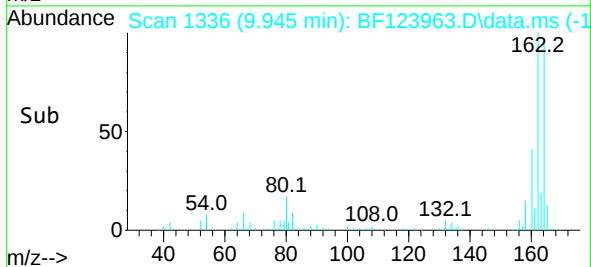
Tgt Ion:172 Resp: 120483  
Ion Ratio Lower Upper  
172 100  
171 40.3 28.1 42.1  
170 23.5 19.2 28.8

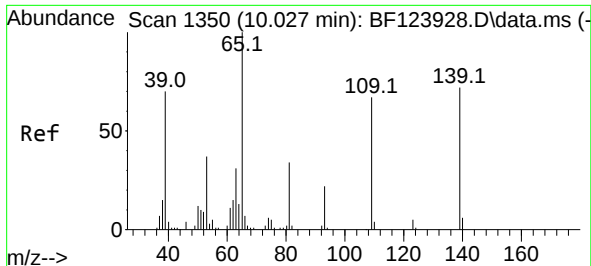


#51  
2,6-Dinitrotoluene  
Concen: 8.21 ng  
RT: 9.945 min Scan# 1336  
Delta R.T. 0.223 min  
Lab File: BF123963.D  
Acq: 17 May 2021 15:03



Tgt Ion:165 Resp: 12023  
Ion Ratio Lower Upper  
165 100  
63 0.0 67.7 101.5#  
89 0.0 58.8 88.2#

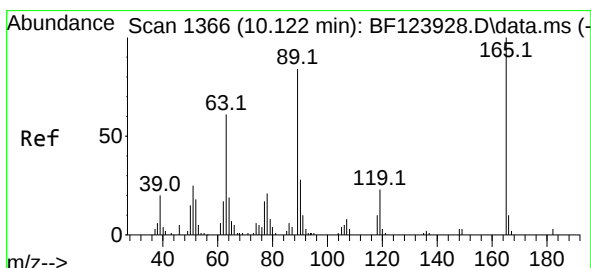
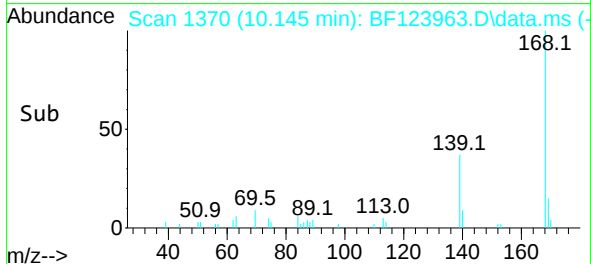
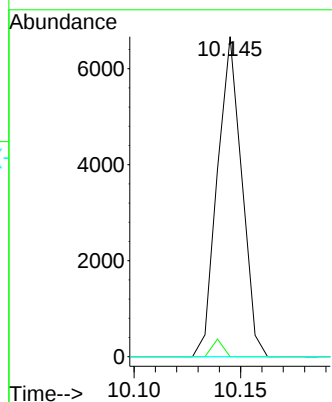
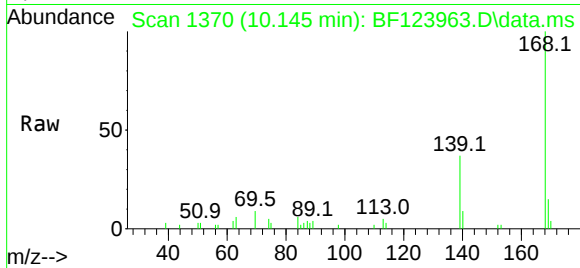




#56  
4-Nitrophenol  
Concen: 4.40 ng  
RT: 10.145 min Scan# 1370  
Delta R.T. 0.118 min  
Lab File: BF123963.D  
Acq: 17 May 2021 15:03

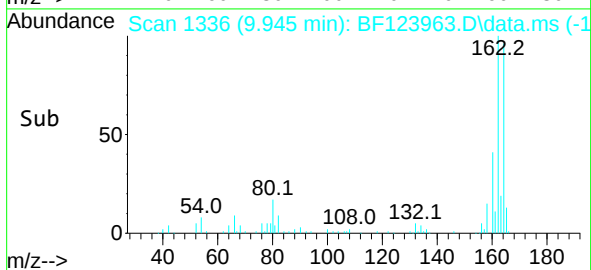
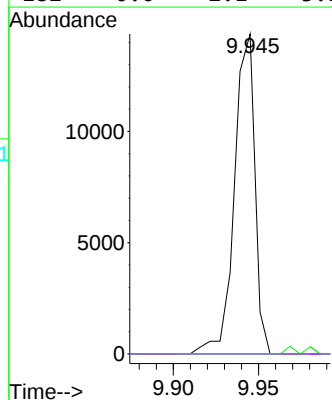
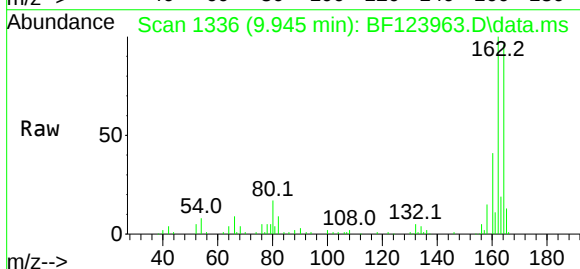
Instrument :  
BNA\_F  
ClientSampleId :  
DUP-02-05122021DL

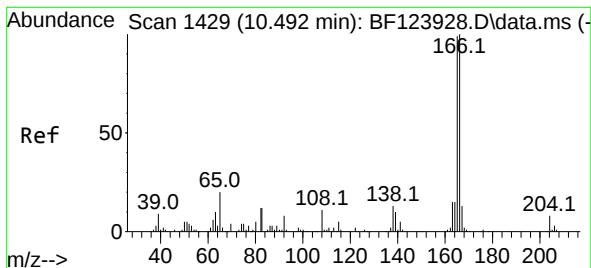
Tgt Ion:139 Resp: 5298  
Ion Ratio Lower Upper  
139 100  
109 0.0 63.2 103.2#  
65 0.0 110.0 150.0#



#57  
2,4-Dinitrotoluene  
Concen: 6.70 ng  
RT: 9.945 min Scan# 1336  
Delta R.T. -0.177 min  
Lab File: BF123963.D  
Acq: 17 May 2021 15:03

Tgt Ion:165 Resp: 12023  
Ion Ratio Lower Upper  
165 100  
63 0.0 43.5 65.3#  
89 0.0 67.7 101.5#  
182 0.0 2.1 3.1#





#58

Fluorene

Concen: 2.24 ng

RT: 10.486 min Scan# 1428

Delta R.T. -0.006 min

Lab File: BF123963.D

Acq: 17 May 2021 15:03

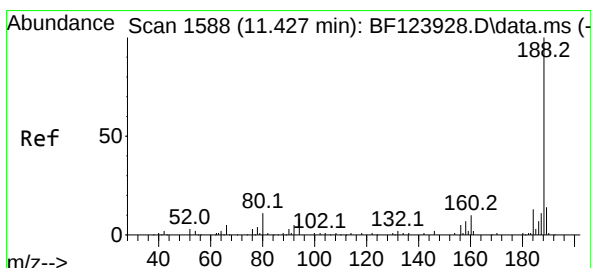
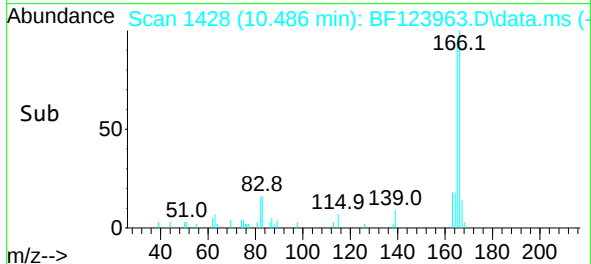
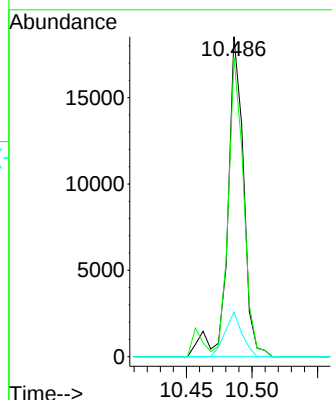
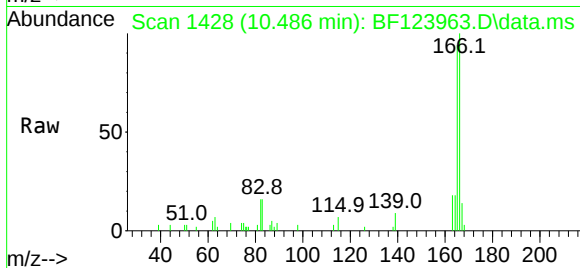
Instrument :

BNA\_F

ClientSampleId :

DUP-02-05122021DL

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:166 | Resp: | 15569      |
| Ion Ratio   | Lower | Upper      |
| 166         | 100   |            |
| 165         | 93.6  | 73.5 110.3 |
| 167         | 14.0  | 10.7 16.1  |



#64

Phenanthrene-d10

Concen: 20.00 ng

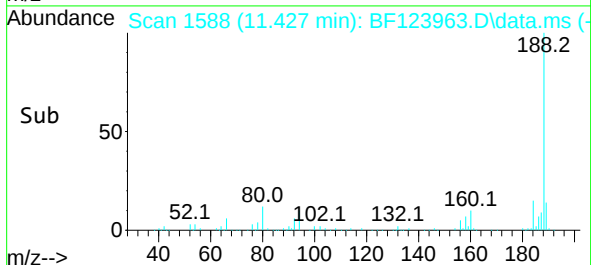
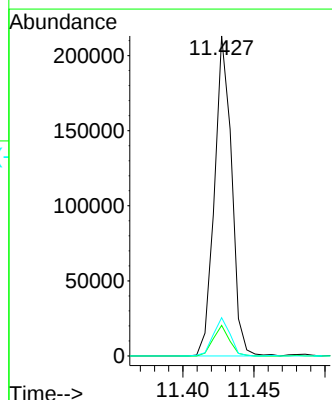
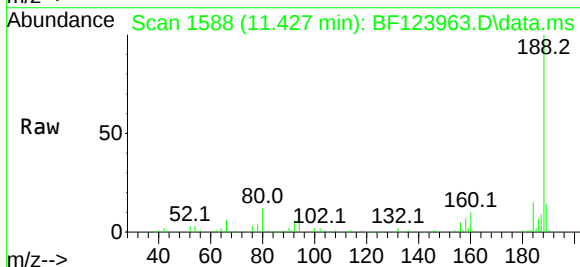
RT: 11.427 min Scan# 1588

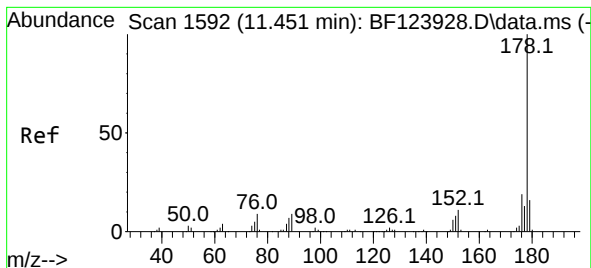
Delta R.T. 0.000 min

Lab File: BF123963.D

Acq: 17 May 2021 15:03

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:188 | Resp: | 178466   |
| Ion Ratio   | Lower | Upper    |
| 188         | 100   |          |
| 94          | 9.6   | 6.9 10.3 |
| 80          | 12.0  | 8.2 12.2 |

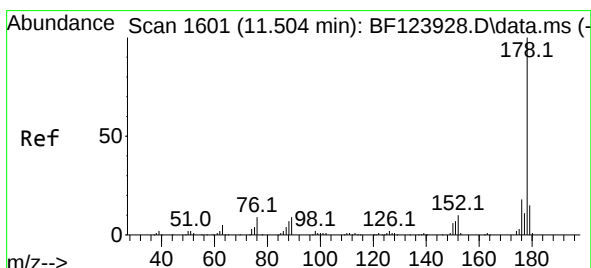
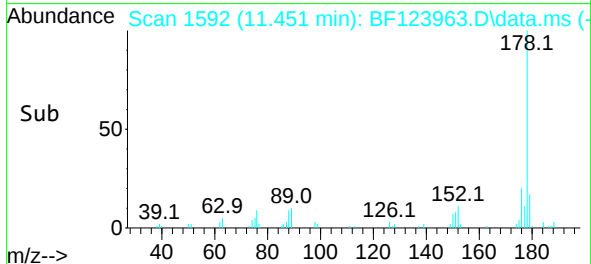
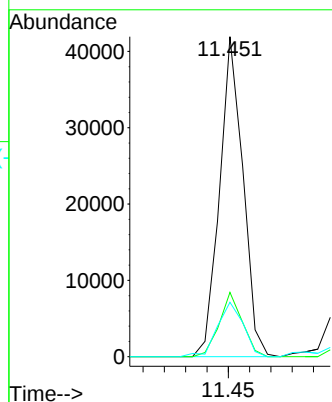
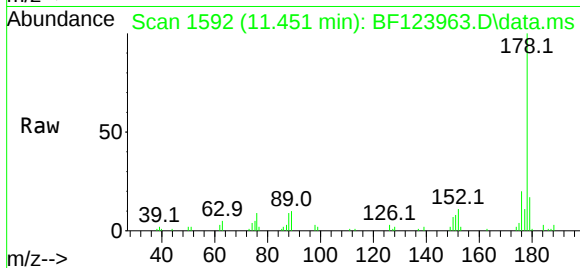




#71  
Phenanthrene  
Concen: 2.82 ng  
RT: 11.451 min Scan# 1592  
Delta R.T. -0.000 min  
Lab File: BF123963.D  
Acq: 17 May 2021 15:03

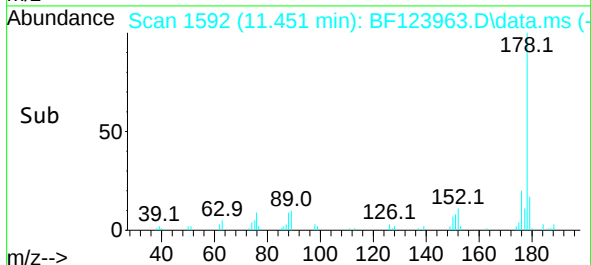
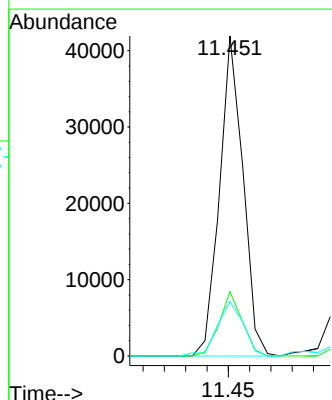
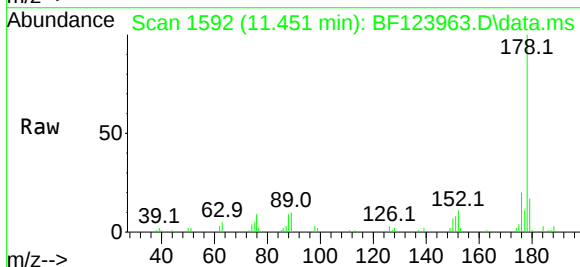
Instrument :  
BNA\_F  
ClientSampleId :  
DUP-02-05122021DL

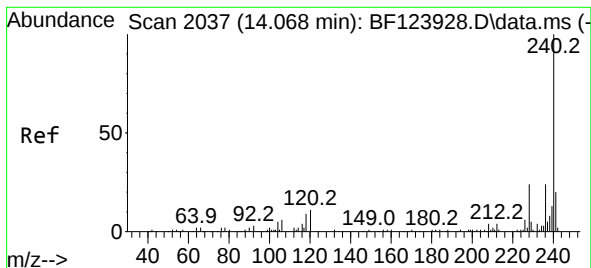
Tgt Ion:178 Resp: 31949  
Ion Ratio Lower Upper  
178 100  
176 20.1 15.6 23.4  
179 17.0 12.5 18.7



#72  
Anthracene  
Concen: 2.79 ng  
RT: 11.451 min Scan# 1592  
Delta R.T. -0.053 min  
Lab File: BF123963.D  
Acq: 17 May 2021 15:03

Tgt Ion:178 Resp: 31949  
Ion Ratio Lower Upper  
178 100  
176 20.1 15.4 23.0  
179 17.0 12.6 18.8

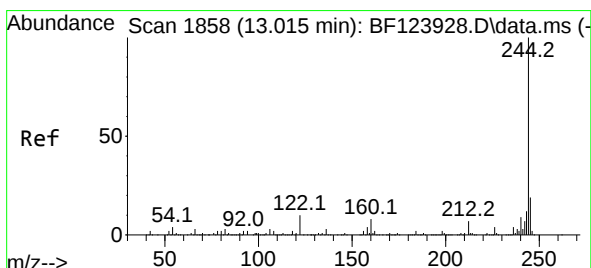
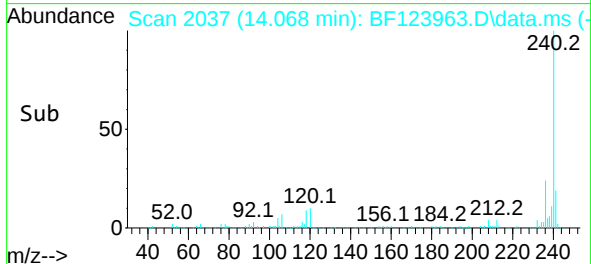
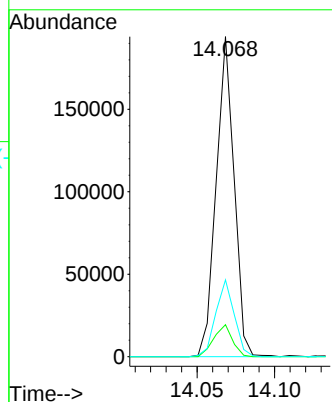
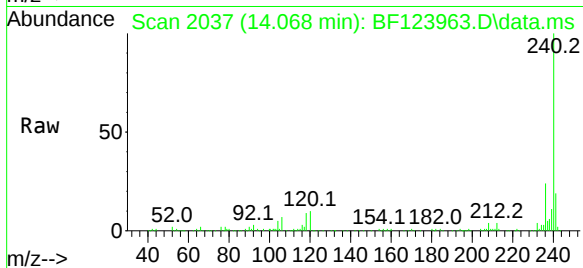




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.068 min Scan# 2037  
Delta R.T. -0.000 min  
Lab File: BF123963.D  
Acq: 17 May 2021 15:03

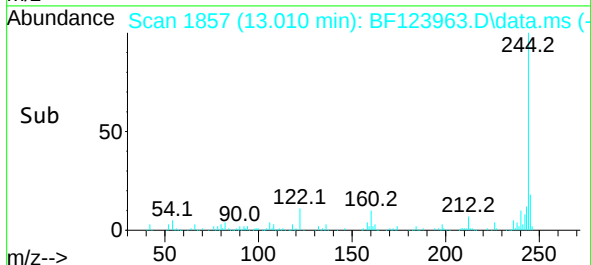
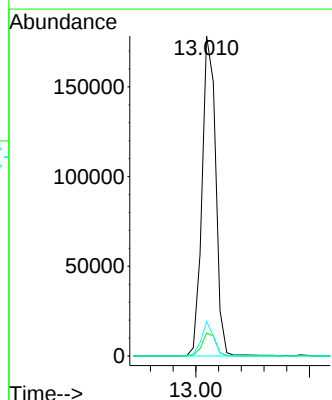
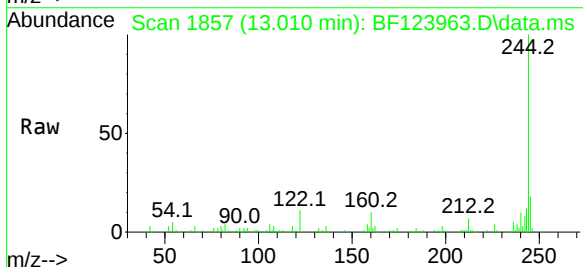
Instrument :  
BNA\_F  
ClientSampleId :  
DUP-02-05122021DL

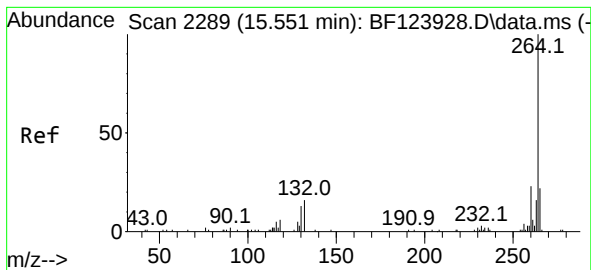
Tgt Ion:240 Resp: 156125  
Ion Ratio Lower Upper  
240 100  
120 10.0 7.2 10.8  
236 24.0 19.0 28.4



#79  
Terphenyl-d14  
Concen: 14.46 ng  
RT: 13.010 min Scan# 1857  
Delta R.T. -0.006 min  
Lab File: BF123963.D  
Acq: 17 May 2021 15:03

Tgt Ion:244 Resp: 149044  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.7 8.5  
122 10.8 9.7 14.5





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.562 min Scan# 2291  
 Delta R.T. 0.012 min  
 Lab File: BF123963.D  
 Acq: 17 May 2021 15:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP-02-05122021DL

Tgt Ion:264 Resp: 135161  
 Ion Ratio Lower Upper  
 264 100  
 260 22.3 18.7 28.1  
 265 19.5 17.8 26.8

