

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072921\  
 Data File : BF124864.D  
 Acq On : 29 Jul 2021 22:13  
 Operator : JU/CG  
 Sample : M3216-08  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20210584-COM-7

Quant Time: Jul 30 02:55:14 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 22 15:28:57 2021  
 Response via : Initial Calibration

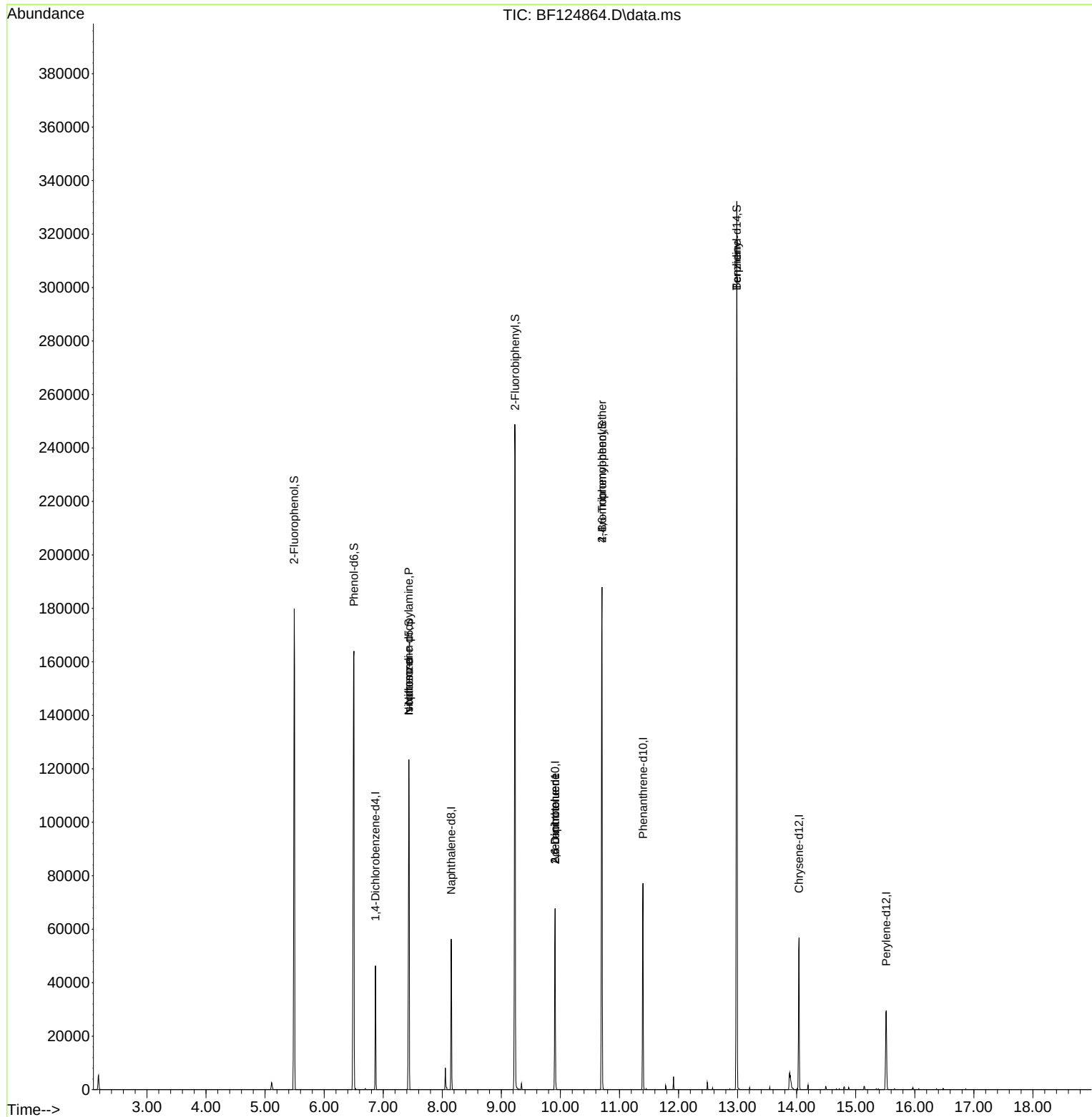
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 6327     | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 24436    | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.910  | 164  | 14791    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 29489    | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.039 | 240  | 21564    | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.515 | 264  | 16475    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 53426    | 142.97 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.504  | 99   | 64554    | 137.80 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 41139    | 100.20 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 19847    | 156.28 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.234  | 172  | 84722    | 84.13  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 121543   | 96.62  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.434  | 70   | 5478     | 21.90  | ng    | # 69     |
| 25) Isophorone                | 7.434  | 82   | 41137    | 56.66  | ng    | # 59     |
| 51) 2,6-Dinitrotoluene        | 9.910  | 165  | 1982     | 8.81   | ng    | # 26     |
| 57) 2,4-Dinitrotoluene        | 9.910  | 165  | 1982     | 6.49   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.704 | 248  | 1823     | 5.83   | ng    | # 1      |
| 77) Benzidine                 | 12.986 | 184  | 1849     | 3.04   | ng    | # 69     |
| -----                         |        |      |          |        |       |          |

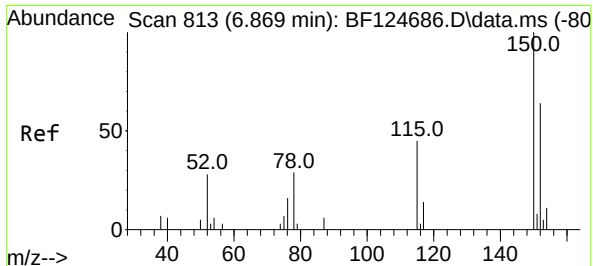
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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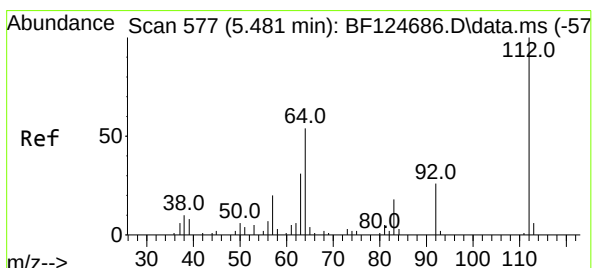
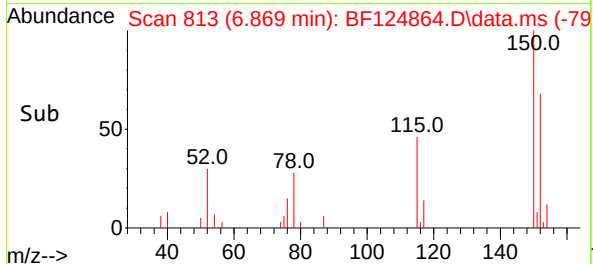
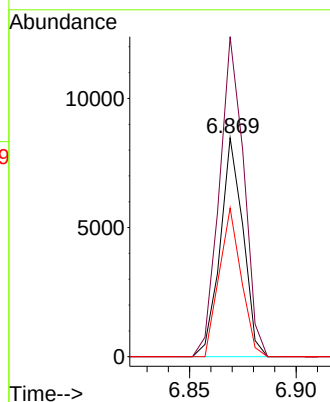
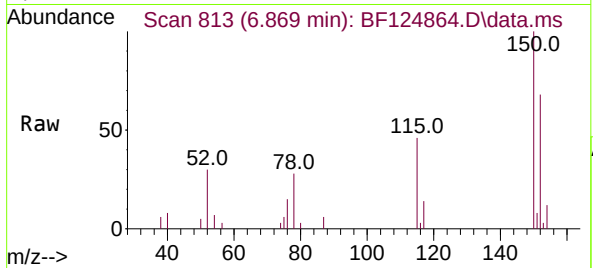




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.869 min Scan# 813  
Delta R.T. -0.000 min  
Lab File: BF124864.D  
Acq: 29 Jul 2021 22:13

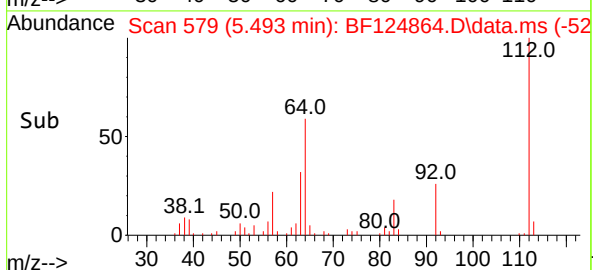
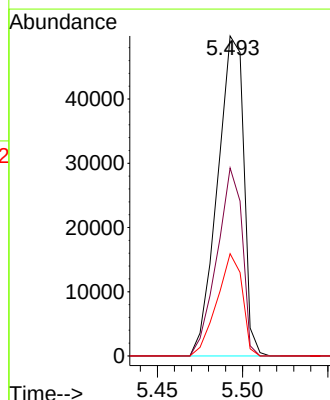
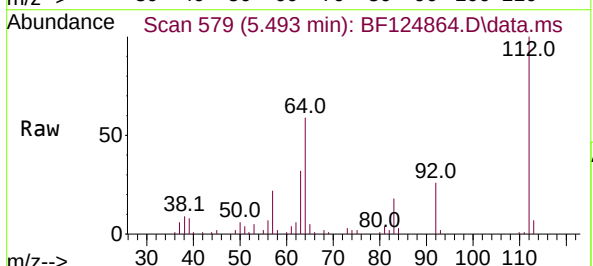
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ClientSampleId :  
20210584-COM-7

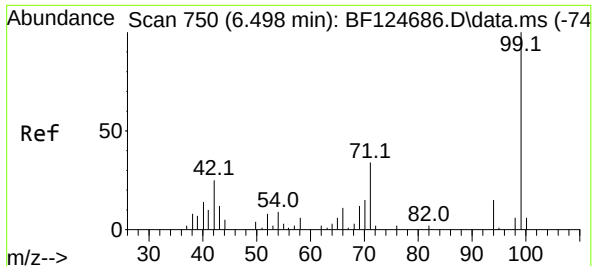
Tgt Ion:152 Resp: 6327  
Ion Ratio Lower Upper  
152 100  
150 146.2 117.6 176.4  
115 67.9 47.1 70.7



#5  
2-Fluorophenol  
Concen: 142.97 ng  
RT: 5.493 min Scan# 579  
Delta R.T. 0.012 min  
Lab File: BF124864.D  
Acq: 29 Jul 2021 22:13

Tgt Ion:112 Resp: 53426  
Ion Ratio Lower Upper  
112 100  
64 58.8 44.2 66.2  
63 32.0 26.2 39.2

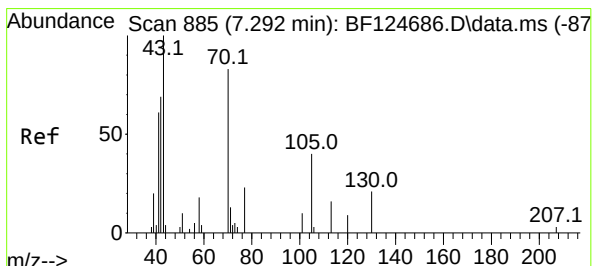
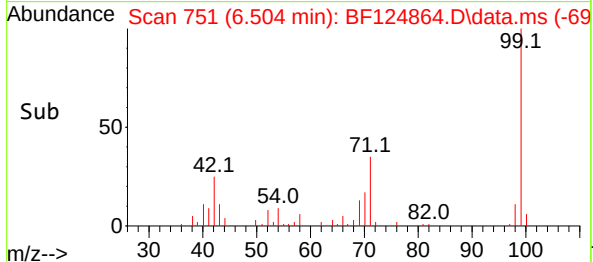
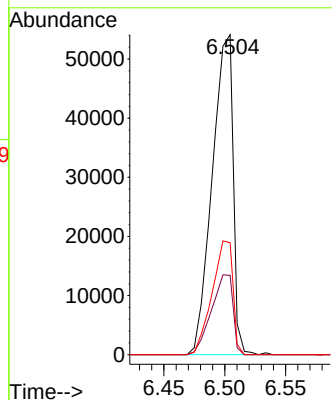
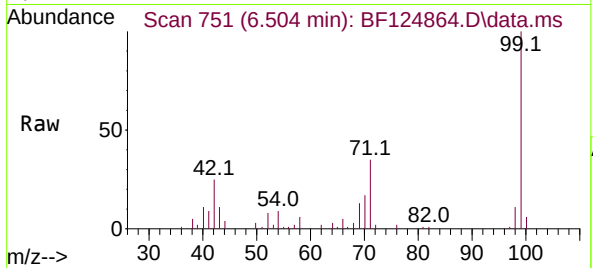




#7  
Phenol-d6  
Concen: 137.80 ng  
RT: 6.504 min Scan# 751  
Delta R.T. 0.006 min  
Lab File: BF124864.D  
Acq: 29 Jul 2021 22:13

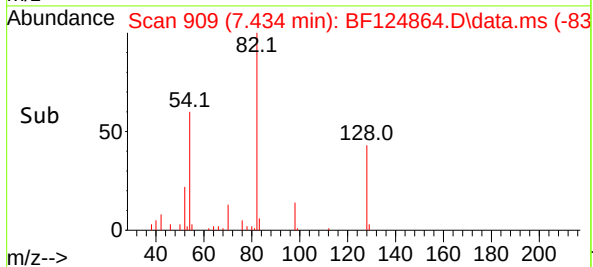
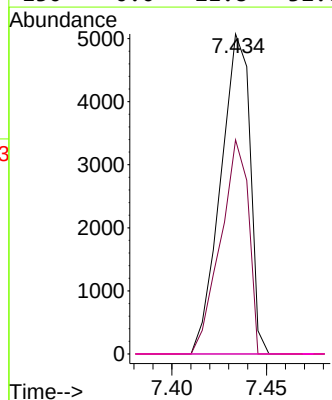
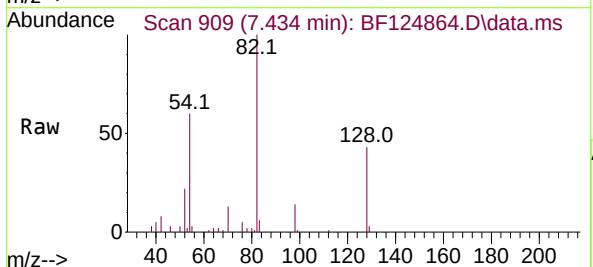
Instrument :  
BNA\_F  
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20210584-COM-7

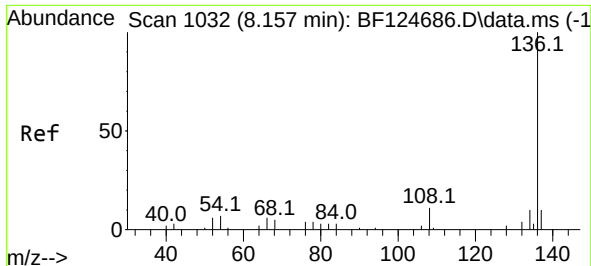
Tgt Ion: 99 Resp: 64554  
Ion Ratio Lower Upper  
99 100  
42 24.8 23.5 35.3  
71 35.0 25.6 38.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 21.90 ng  
RT: 7.434 min Scan# 909  
Delta R.T. 0.141 min  
Lab File: BF124864.D  
Acq: 29 Jul 2021 22:13

Tgt Ion: 70 Resp: 5478  
Ion Ratio Lower Upper  
70 100  
42 66.9 72.2 108.2#  
101 0.0 7.8 11.8#  
130 0.0 21.8 32.6#

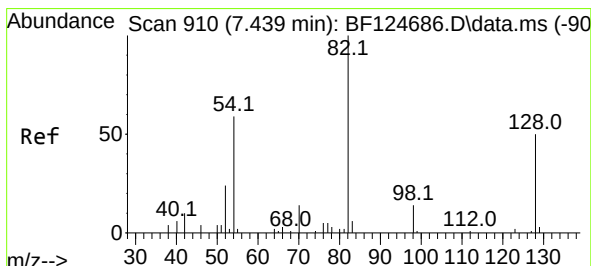
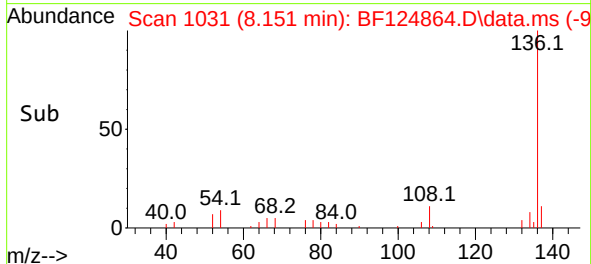
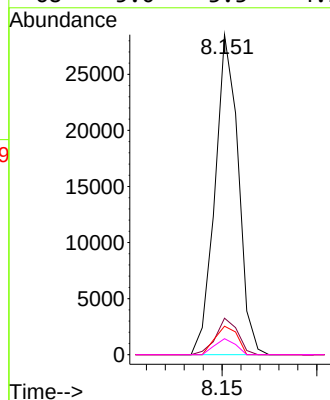
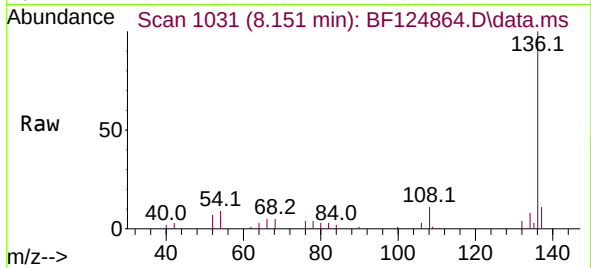




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.151 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF124864.D  
Acq: 29 Jul 2021 22:13

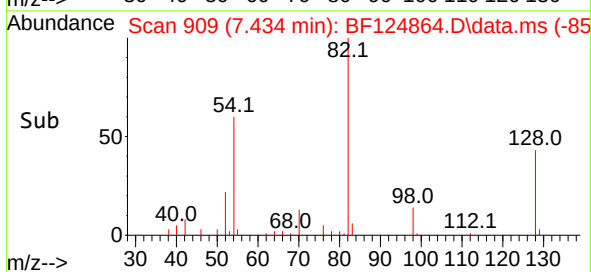
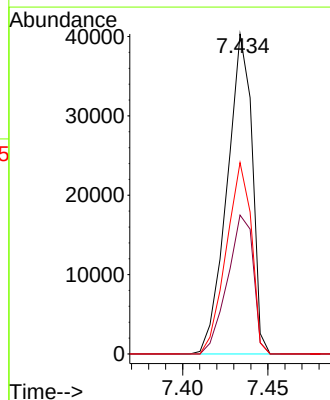
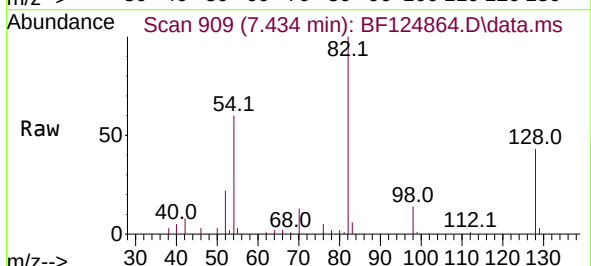
Instrument :  
BNA\_F  
ClientSampleId :  
20210584-COM-7

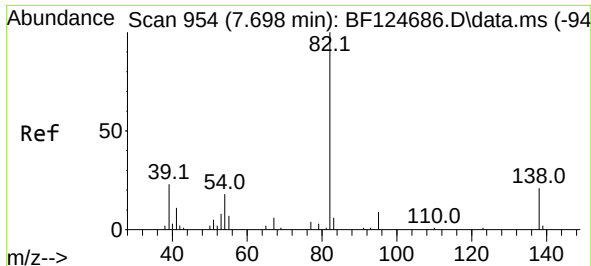
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 24436 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.4  | 9.8   | 14.6  |
| 54       | 8.9   | 6.4   | 9.6   |
| 68       | 5.0   | 3.3   | 4.9   |



#23  
Nitrobenzene-d5  
Concen: 100.20 ng  
RT: 7.434 min Scan# 909  
Delta R.T. -0.006 min  
Lab File: BF124864.D  
Acq: 29 Jul 2021 22:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 41139 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 43.4  | 40.6  | 60.8  |
| 54       | 59.8  | 49.6  | 74.4  |

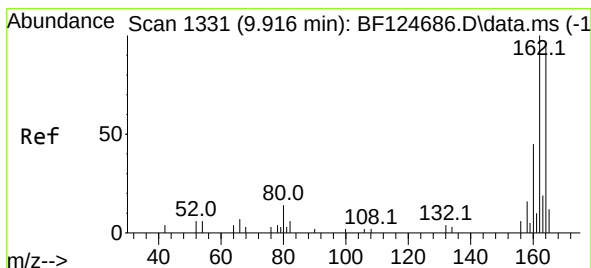
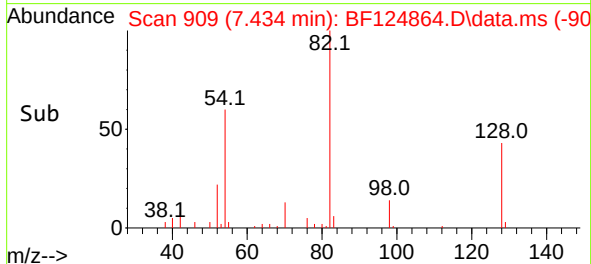
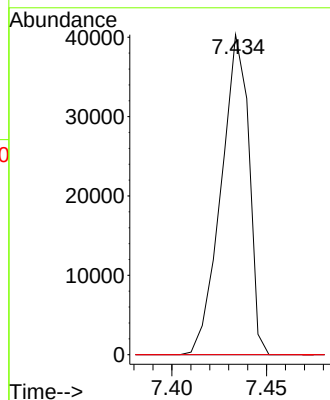
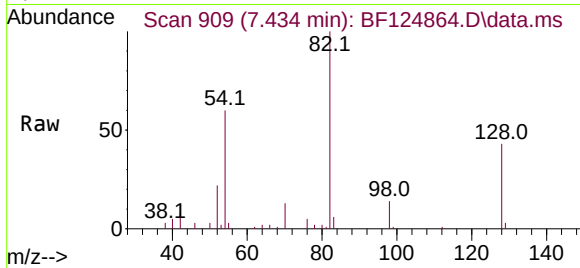




#25  
Isophorone  
Concen: 56.66 ng  
RT: 7.434 min Scan# 909  
Delta R.T. -0.265 min  
Lab File: BF124864.D  
Acq: 29 Jul 2021 22:13

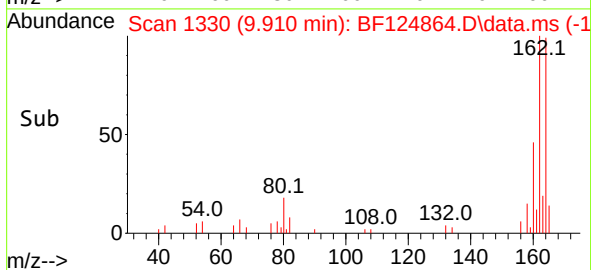
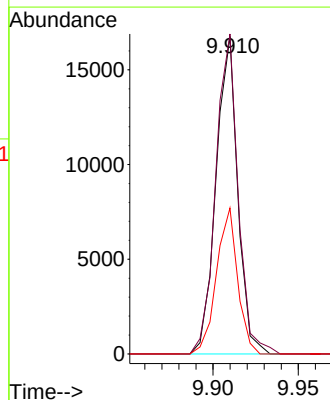
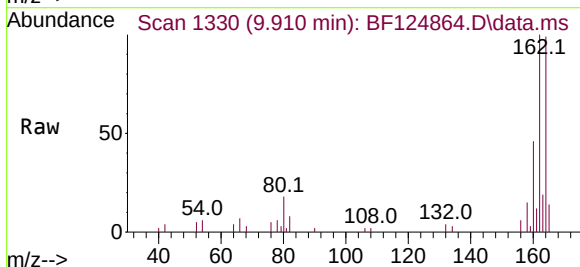
Instrument :  
BNA\_F  
ClientSampleId :  
20210584-COM-7

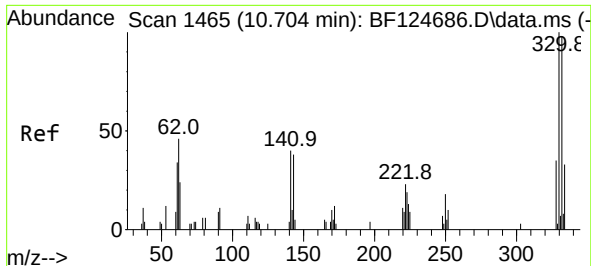
Tgt Ion: 82 Resp: 41137  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 18.4 27.6#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. -0.006 min  
Lab File: BF124864.D  
Acq: 29 Jul 2021 22:13

Tgt Ion: 164 Resp: 14791  
Ion Ratio Lower Upper  
164 100  
162 100.8 81.3 121.9  
160 45.9 38.0 57.0

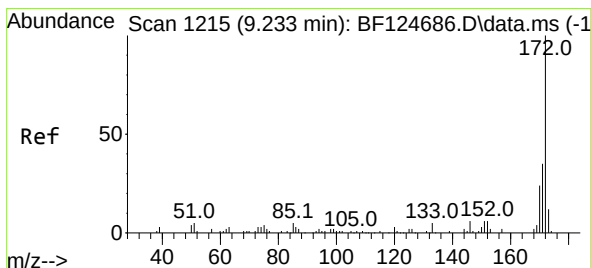
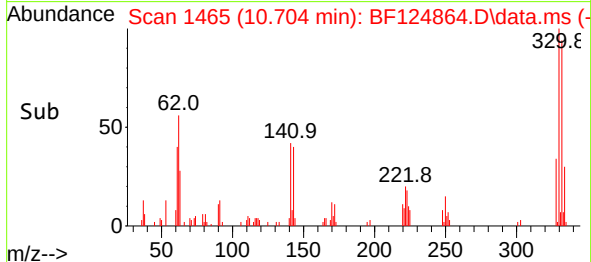
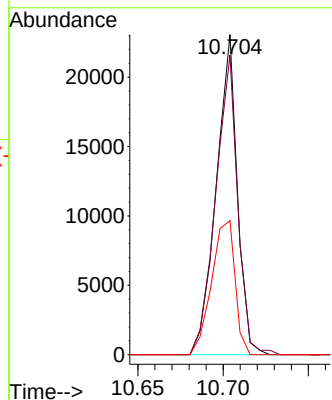
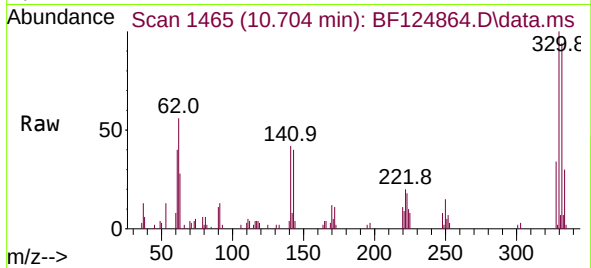




#42  
2,4,6-Tribromophenol  
Concen: 156.28 ng  
RT: 10.704 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: BF124864.D  
Acq: 29 Jul 2021 22:13

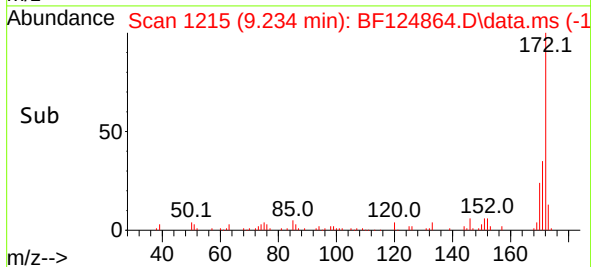
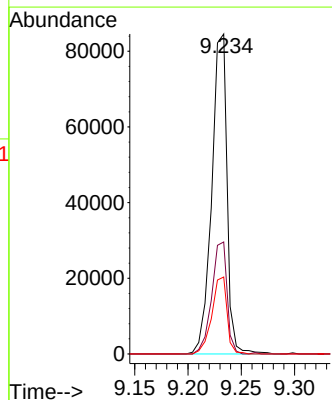
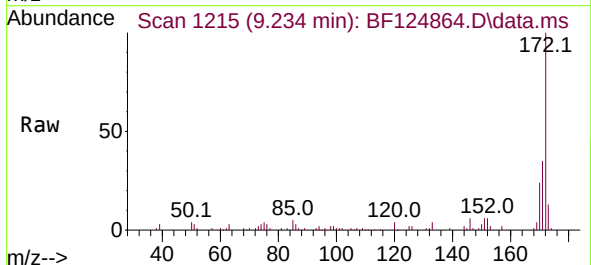
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BNA\_F  
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20210584-COM-7

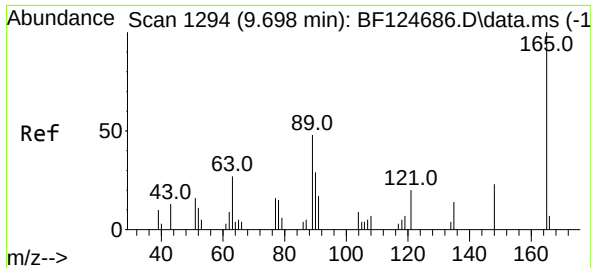
Tgt Ion: 330 Resp: 19847  
Ion Ratio Lower Upper  
330 100  
332 97.6 76.2 114.4  
141 46.5 44.6 66.8



#45  
2-Fluorobiphenyl  
Concen: 84.13 ng  
RT: 9.234 min Scan# 1215  
Delta R.T. 0.000 min  
Lab File: BF124864.D  
Acq: 29 Jul 2021 22:13

Tgt Ion: 172 Resp: 84722  
Ion Ratio Lower Upper  
172 100  
171 35.0 26.5 39.7  
170 24.1 18.8 28.2

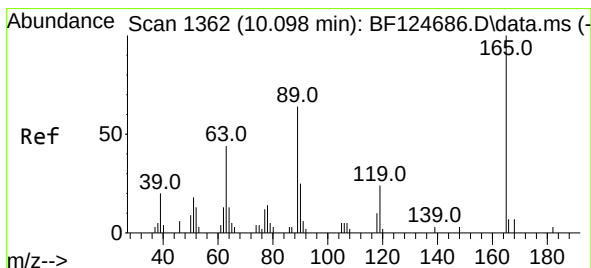
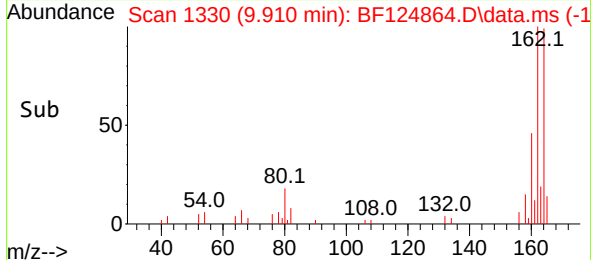
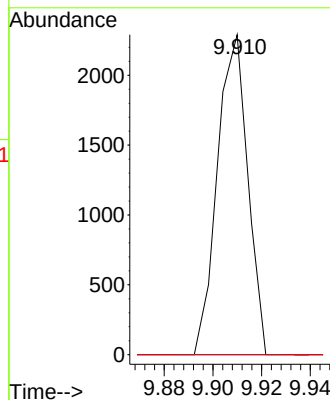
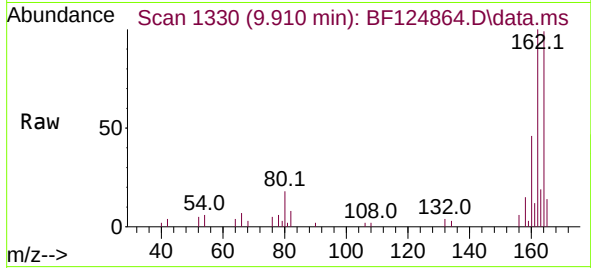




#51  
2,6-Dinitrotoluene  
Concen: 8.81 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. 0.212 min  
Lab File: BF124864.D  
Acq: 29 Jul 2021 22:13

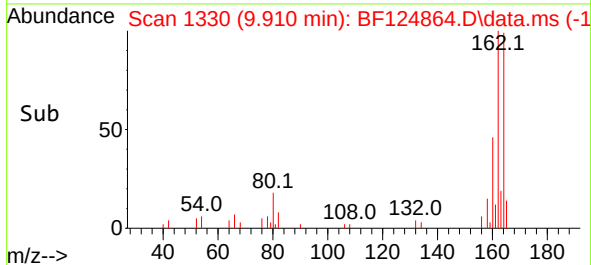
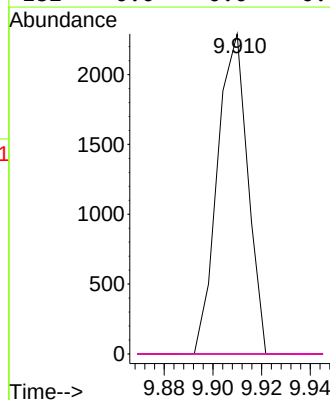
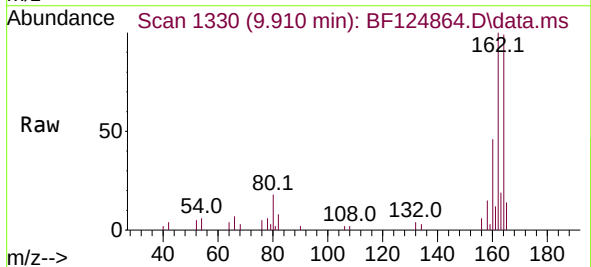
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BNA\_F  
ClientSampleId :  
20210584-COM-7

Tgt Ion:165 Resp: 1982  
Ion Ratio Lower Upper  
165 100  
63 0.0 42.6 63.8#  
89 0.0 40.6 60.8#

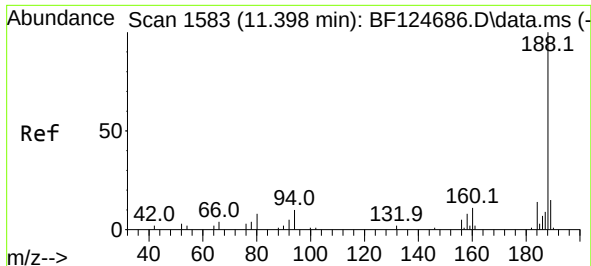


#57  
2,4-Dinitrotoluene  
Concen: 6.49 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. -0.188 min  
Lab File: BF124864.D  
Acq: 29 Jul 2021 22:13

Tgt Ion:165 Resp: 1982  
Ion Ratio Lower Upper  
165 100  
63 0.0 40.9 61.3#  
89 0.0 59.7 89.5#  
182 0.0 0.0 0.0



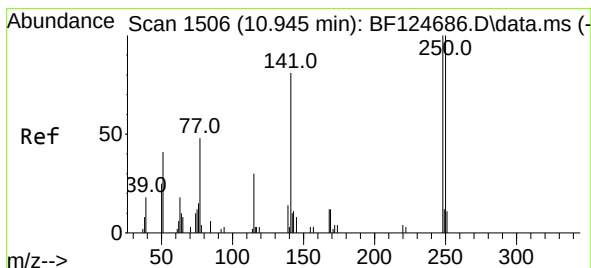
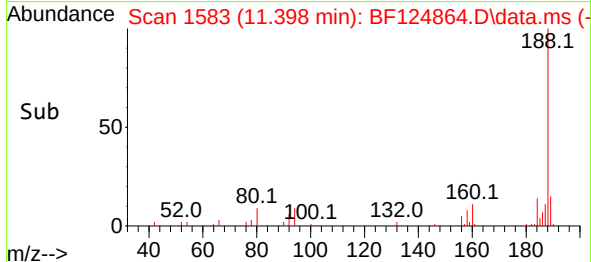
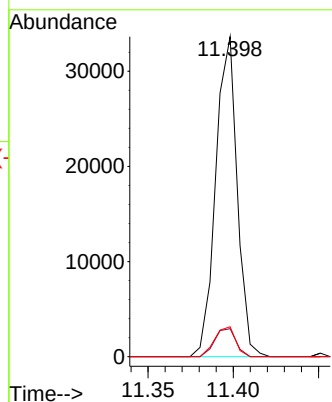
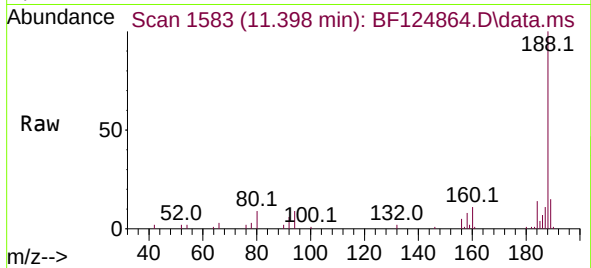




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.398 min Scan# 1583  
Delta R.T. 0.000 min  
Lab File: BF124864.D  
Acq: 29 Jul 2021 22:13

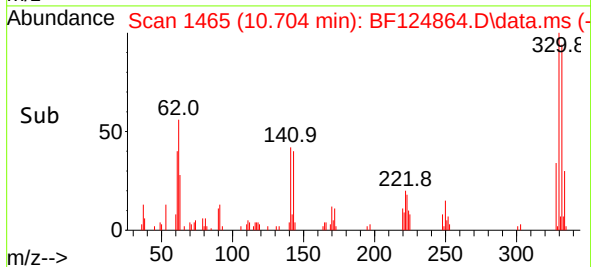
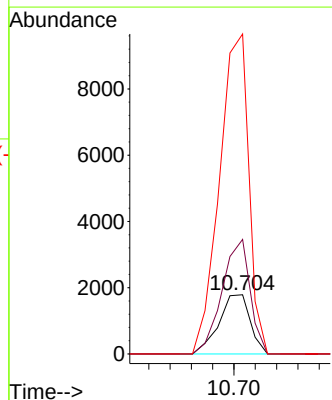
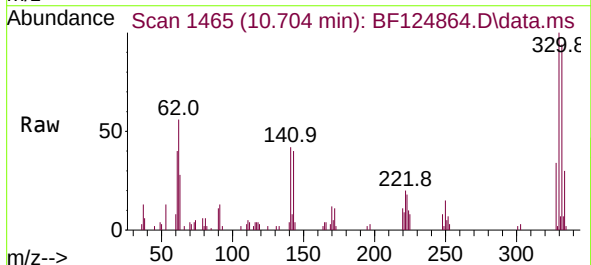
Instrument :  
BNA\_F  
ClientSampleId :  
20210584-COM-7

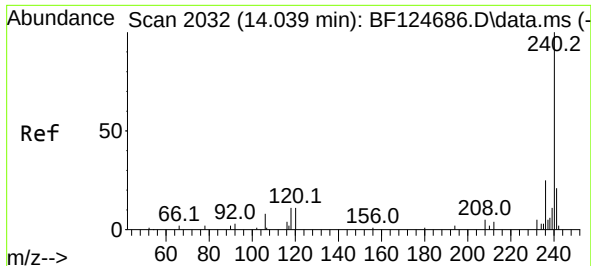
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:188 | Resp: | 29489    |
| Ion Ratio   | Lower | Upper    |
| 188         | 100   |          |
| 94          | 8.7   | 6.7 10.1 |
| 80          | 9.3   | 7.5 11.3 |



#67  
4-Bromophenyl-phenylether  
Concen: 5.83 ng  
RT: 10.704 min Scan# 1465  
Delta R.T. -0.241 min  
Lab File: BF124864.D  
Acq: 29 Jul 2021 22:13

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:248 | Resp: | 1823        |
| Ion Ratio   | Lower | Upper       |
| 248         | 100   |             |
| 250         | 193.5 | 74.2 111.4# |
| 141         | 540.2 | 60.4 90.6#  |

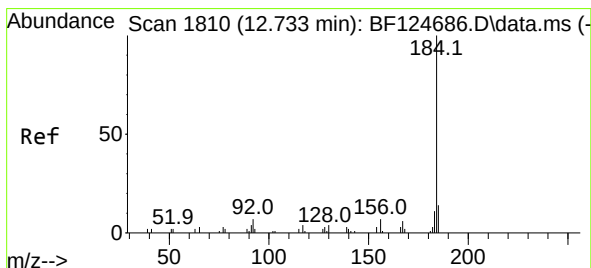
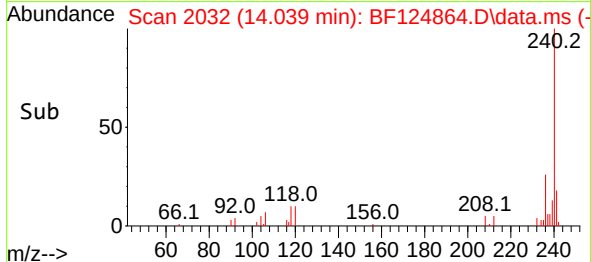
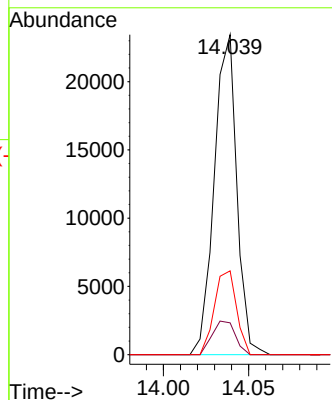
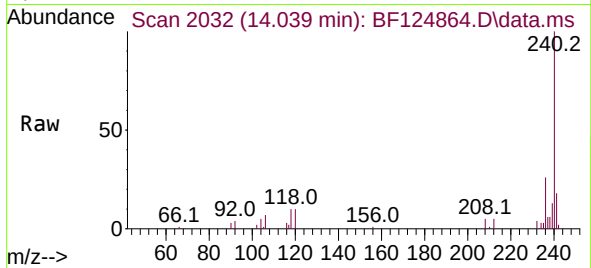




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.039 min Scan# 2032  
Delta R.T. 0.000 min  
Lab File: BF124864.D  
Acq: 29 Jul 2021 22:13

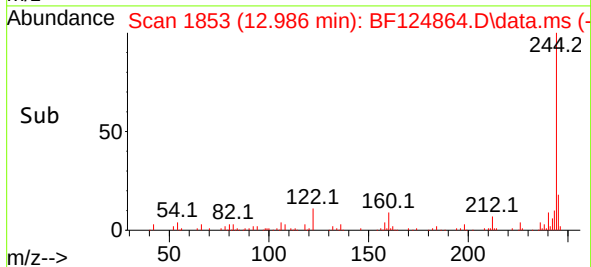
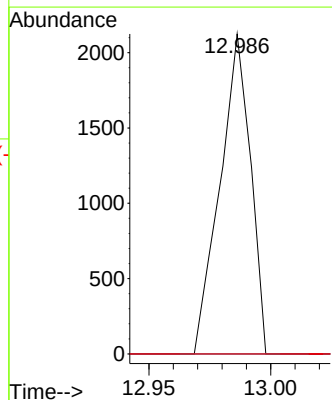
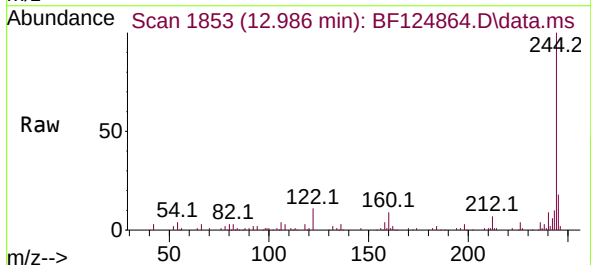
Instrument :  
BNA\_F  
ClientSampleId :  
20210584-COM-7

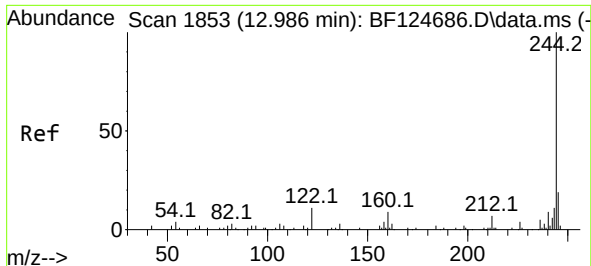
Tgt Ion:240 Resp: 21564  
Ion Ratio Lower Upper  
240 100  
120 9.9 10.8 16.2#  
236 26.2 21.6 32.4



#77  
Benzidine  
Concen: 3.04 ng  
RT: 12.986 min Scan# 1853  
Delta R.T. 0.253 min  
Lab File: BF124864.D  
Acq: 29 Jul 2021 22:13

Tgt Ion:184 Resp: 1849  
Ion Ratio Lower Upper  
184 100  
185 0.0 10.8 16.2#  
183 0.0 8.1 12.1#

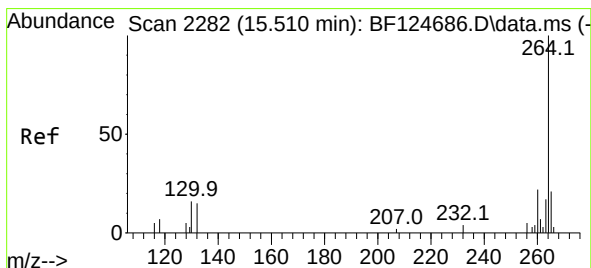
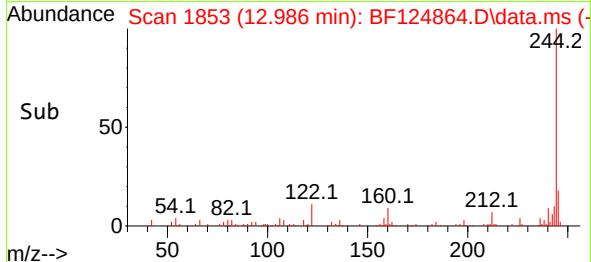
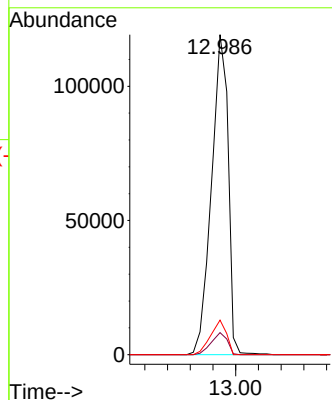
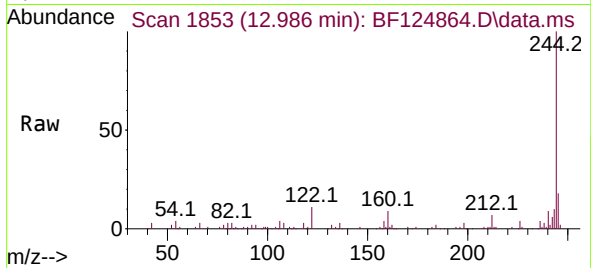




#79  
 Terphenyl-d14  
 Concen: 96.62 ng  
 RT: 12.986 min Scan# 1853  
 Delta R.T. 0.000 min  
 Lab File: BF124864.D  
 Acq: 29 Jul 2021 22:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20210584-COM-7

Tgt Ion:244 Resp: 121543  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.9 8.9  
 122 10.8 9.0 13.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.515 min Scan# 2283  
 Delta R.T. 0.006 min  
 Lab File: BF124864.D  
 Acq: 29 Jul 2021 22:13

Tgt Ion:264 Resp: 16475  
 Ion Ratio Lower Upper  
 264 100  
 260 25.7 19.6 29.4  
 265 21.8 17.2 25.8

