

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052521\  
 Data File : BF124049.D  
 Acq On : 25 May 2021 17:18  
 Operator : JU/CG  
 Sample : PB136628BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB136628BL

Quant Time: May 25 17:43:19 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

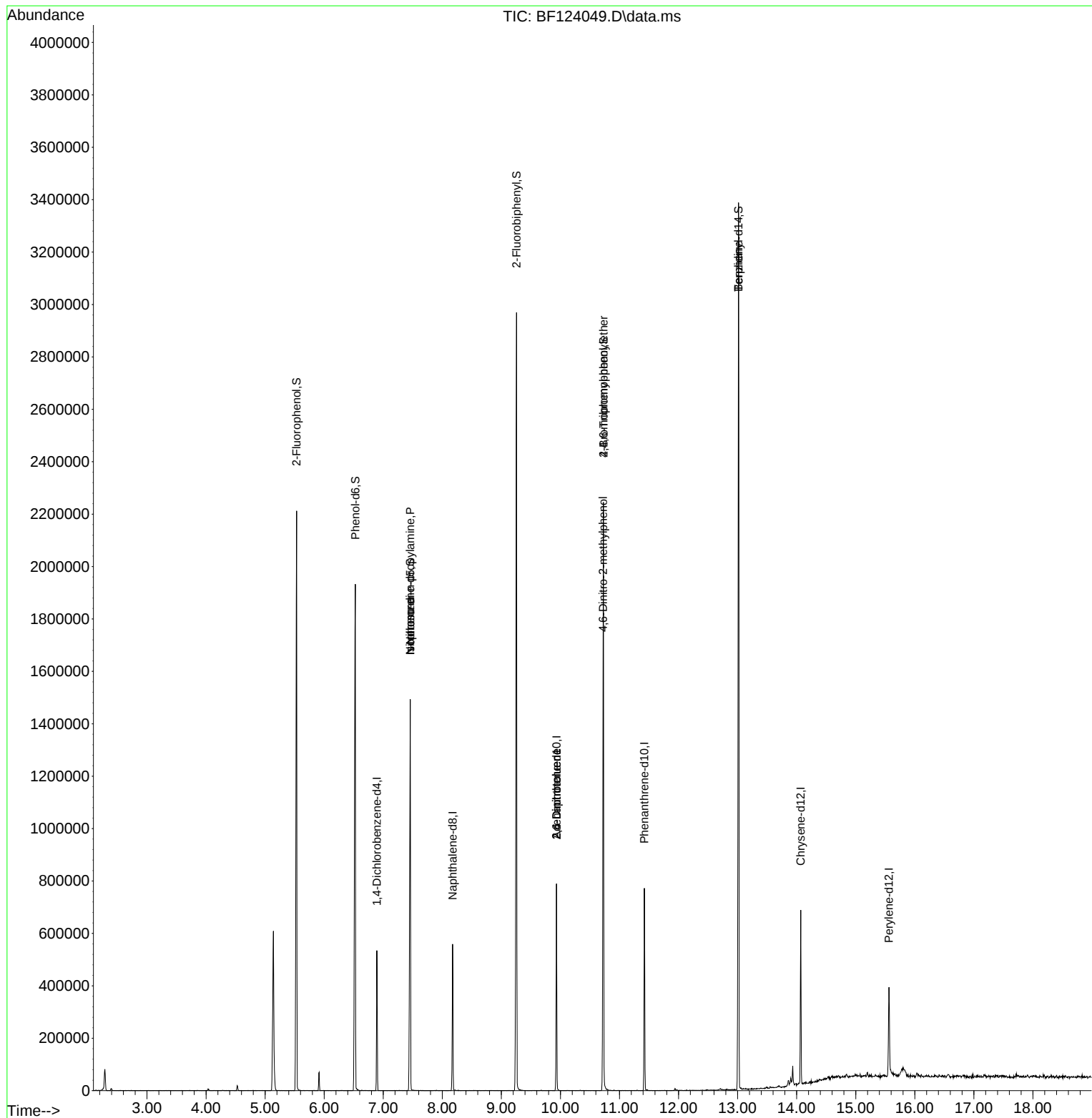
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 57246    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.175  | 136  | 222872   | 20.00  | ng    | #-0.01   |
| 39) Acenaphthene-d10          | 9.933  | 164  | 134599   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.422 | 188  | 250110   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.068 | 240  | 190699   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.562 | 264  | 144376   | 20.00  | ng    | 0.01     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.534  | 112  | 513115   | 125.85 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.528  | 99   | 633450   | 119.76 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 491516   | 95.02  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.727 | 330  | 232583   | 143.87 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.257  | 172  | 894203   | 81.75  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.016 | 244  | 1151629  | 91.46  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.457  | 70   | 72518    | 20.29  | ng    | # 73     |
| 25) Isophorone                | 7.457  | 82   | 491510   | 49.39  | ng    | # 69     |
| 51) 2,6-Dinitrotoluene        | 9.933  | 165  | 17525    | 8.06   | ng    | # 11     |
| 57) 2,4-Dinitrotoluene        | 9.933  | 165  | 17525    | 6.57   | ng    | # 17     |
| 65) 4,6-Dinitro-2-methylph... | 10.722 | 198  | 619      | 5.78   | ng    | # 57     |
| 67) 4-Bromophenyl-phenylether | 10.727 | 248  | 16068    | 4.89   | ng    | # 1      |
| 77) Benzidine                 | 13.016 | 184  | 17274    | 3.75   | ng    | # 88     |
| -----                         |        |      |          |        |       |          |

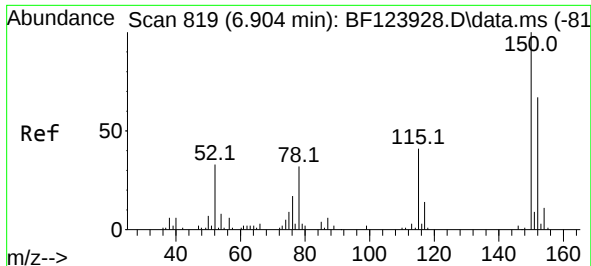
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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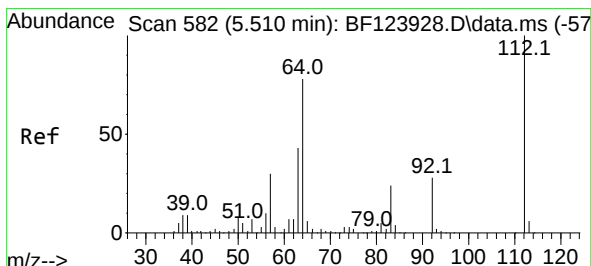
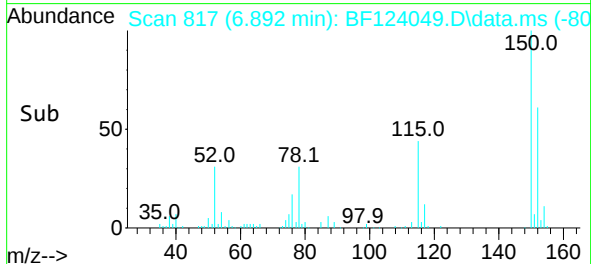
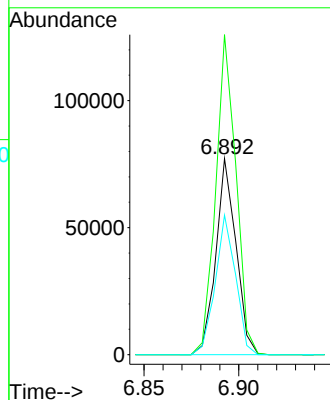
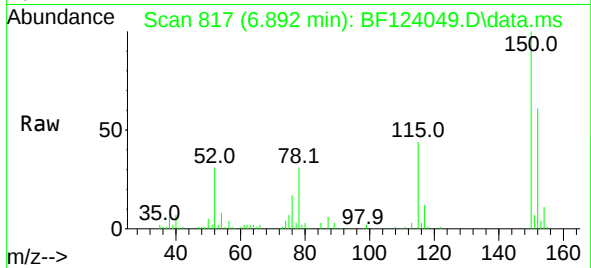




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.892 min Scan# 817  
Delta R.T. -0.012 min  
Lab File: BF124049.D  
Acq: 25 May 2021 17:18

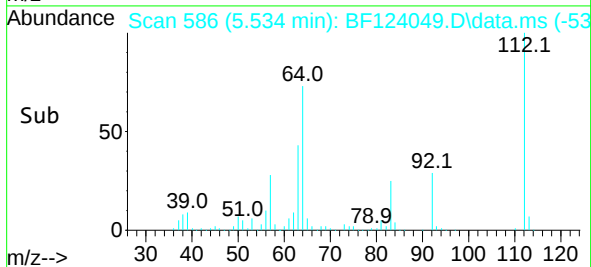
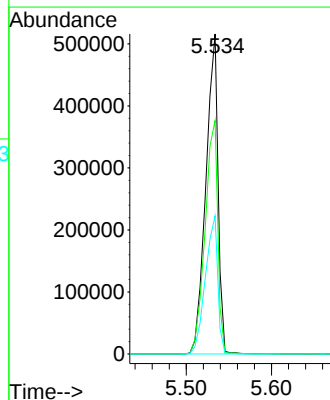
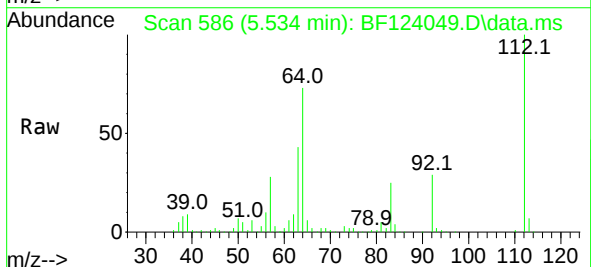
Instrument :  
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ClientSampleId :  
PB136628BL

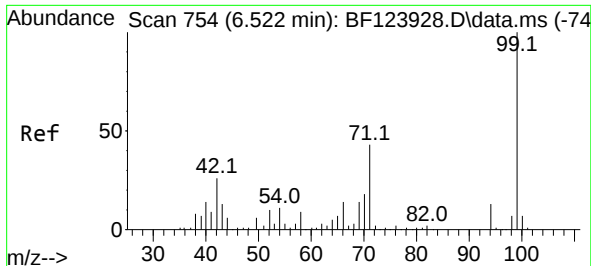
Tgt Ion:152 Resp: 57246  
Ion Ratio Lower Upper  
152 100  
150 163.2 127.0 190.6  
115 71.2 54.3 81.5



#5  
2-Fluorophenol  
Concen: 125.85 ng  
RT: 5.534 min Scan# 586  
Delta R.T. 0.024 min  
Lab File: BF124049.D  
Acq: 25 May 2021 17:18

Tgt Ion:112 Resp: 513115  
Ion Ratio Lower Upper  
112 100  
64 72.9 61.4 92.0  
63 43.2 33.0 49.4

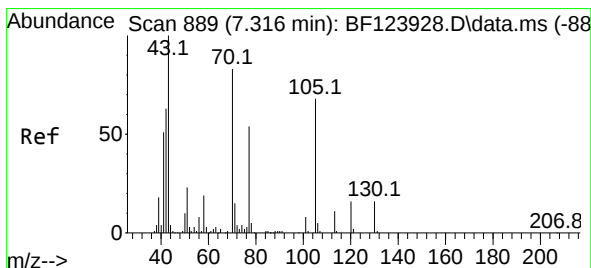
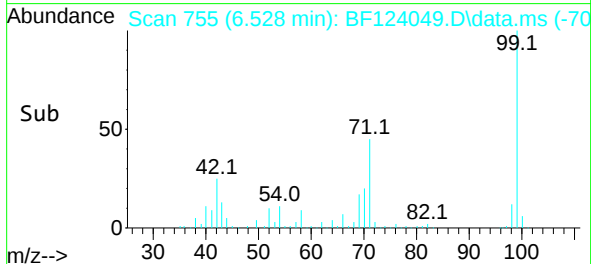
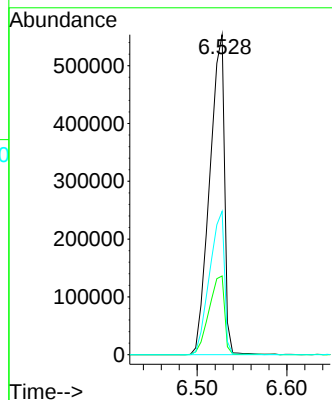
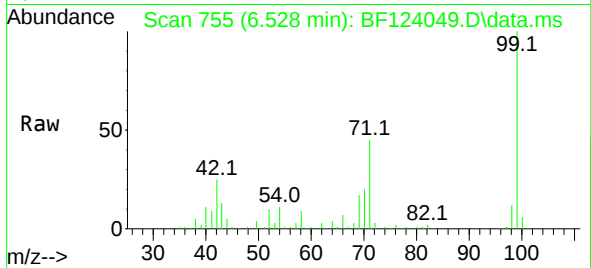




#7  
Phenol-d6  
Concen: 119.76 ng  
RT: 6.528 min Scan# 755  
Delta R.T. 0.006 min  
Lab File: BF124049.D  
Acq: 25 May 2021 17:18

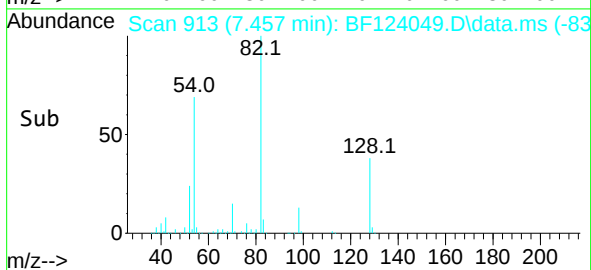
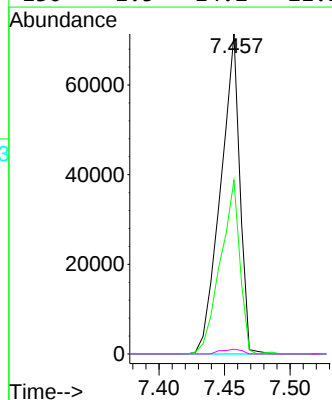
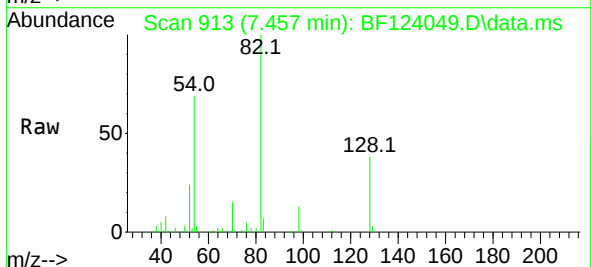
Instrument :  
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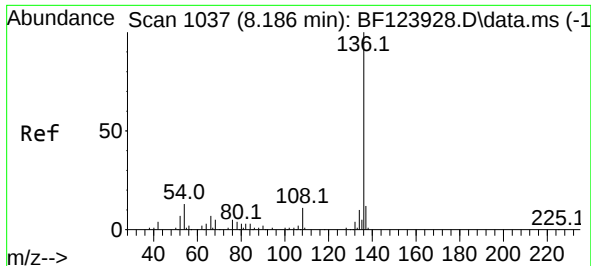
Tgt Ion: 99 Resp: 633450  
Ion Ratio Lower Upper  
99 100  
42 24.6 19.8 29.8  
71 44.8 31.1 46.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 20.29 ng  
RT: 7.457 min Scan# 913  
Delta R.T. 0.141 min  
Lab File: BF124049.D  
Acq: 25 May 2021 17:18

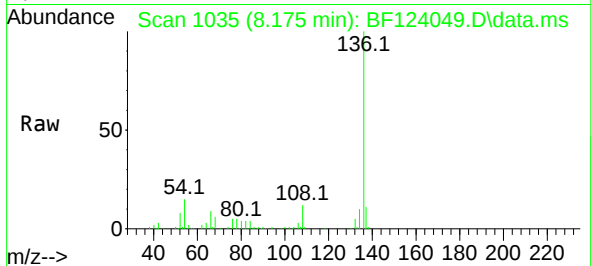
Tgt Ion: 70 Resp: 72518  
Ion Ratio Lower Upper  
70 100  
42 54.3 60.1 90.1#  
101 0.0 7.4 11.2#  
130 1.5 14.2 21.2#



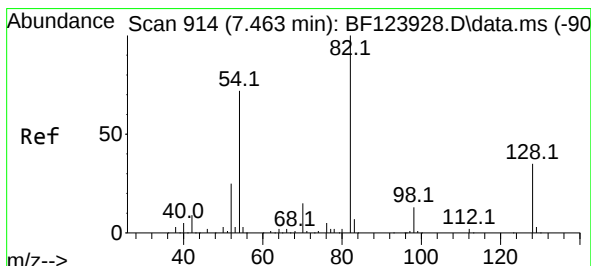
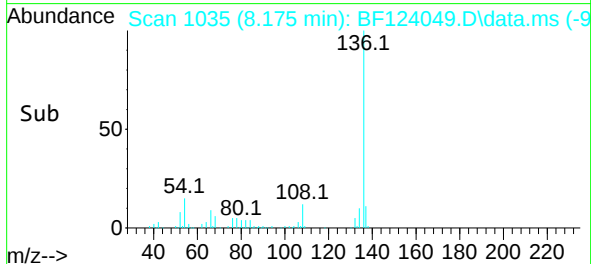
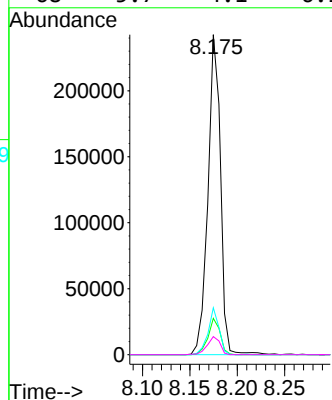


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.175 min Scan# 1035  
Delta R.T. -0.011 min  
Lab File: BF124049.D  
Acq: 25 May 2021 17:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB136628BL

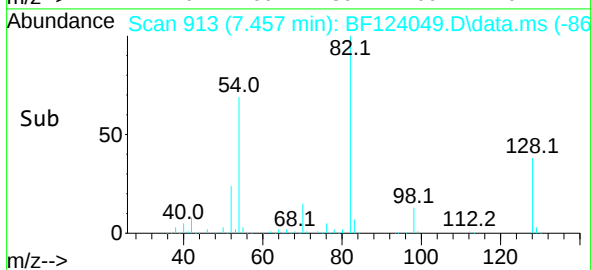
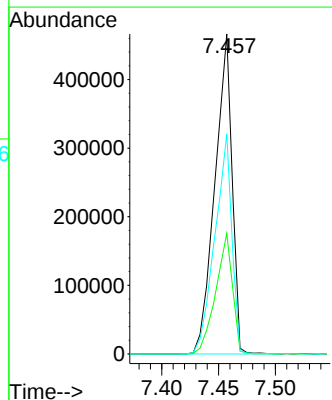
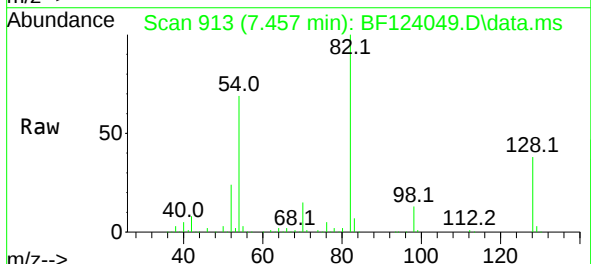


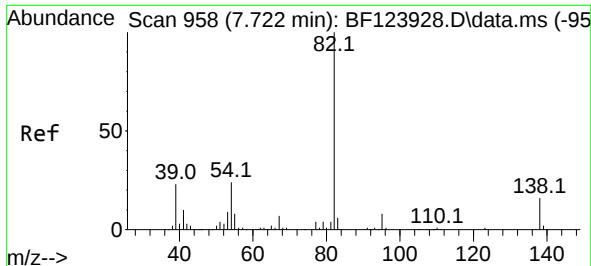
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 222872 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.3  | 8.7   | 13.1   |
| 54       | 14.7  | 9.8   | 14.6#  |
| 68       | 5.7   | 4.1   | 6.1    |



#23  
Nitrobenzene-d5  
Concen: 95.02 ng  
RT: 7.457 min Scan# 913  
Delta R.T. -0.006 min  
Lab File: BF124049.D  
Acq: 25 May 2021 17:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 491516 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 37.6  | 29.4  | 44.2   |
| 54       | 68.8  | 54.1  | 81.1   |

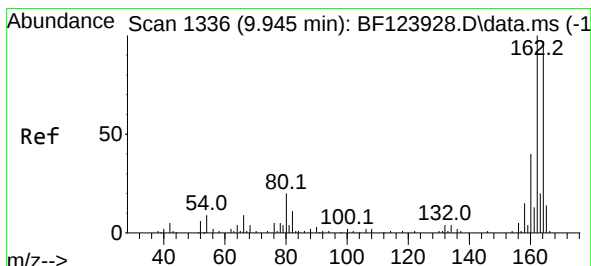
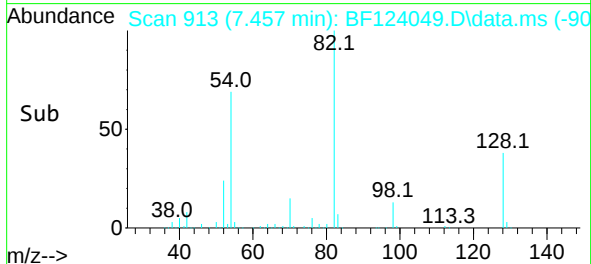
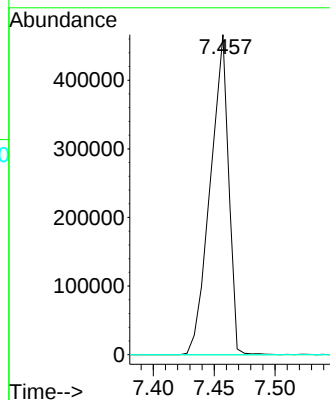
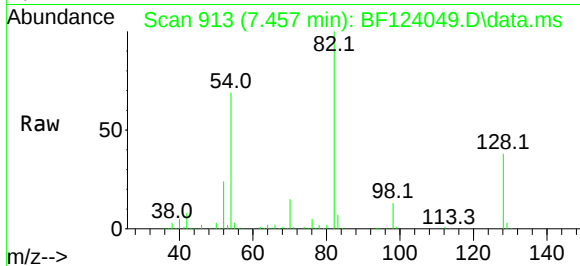




#25  
Isophorone  
Concen: 49.39 ng  
RT: 7.457 min Scan# 913  
Delta R.T. -0.265 min  
Lab File: BF124049.D  
Acq: 25 May 2021 17:18

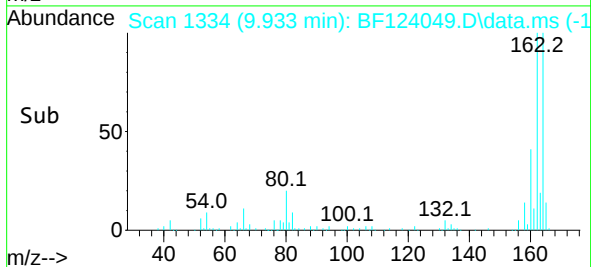
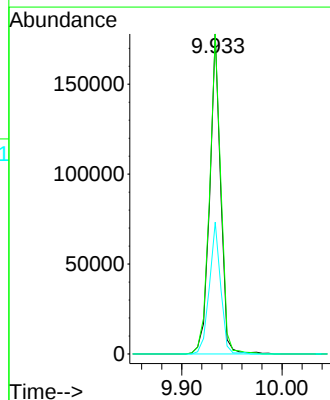
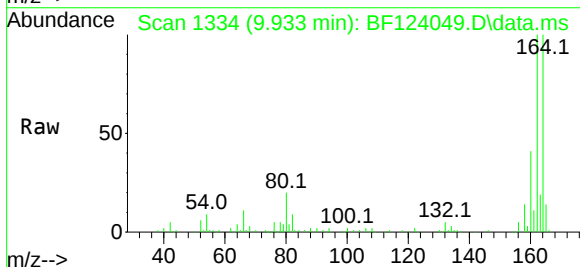
Instrument :  
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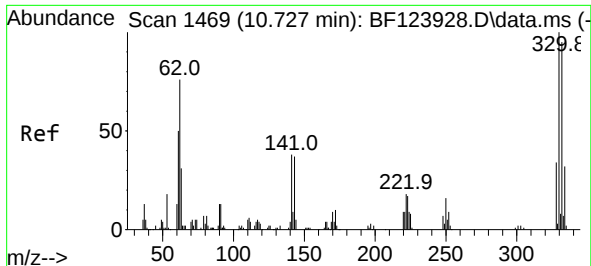
Tgt Ion: 82 Resp: 491510  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 11.8 17.8#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.933 min Scan# 1334  
Delta R.T. -0.012 min  
Lab File: BF124049.D  
Acq: 25 May 2021 17:18

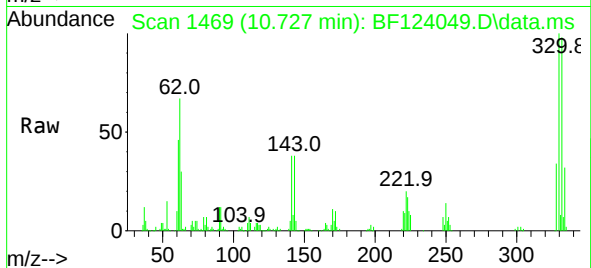
Tgt Ion: 164 Resp: 134599  
Ion Ratio Lower Upper  
164 100  
162 99.9 80.7 121.1  
160 41.2 37.3 55.9



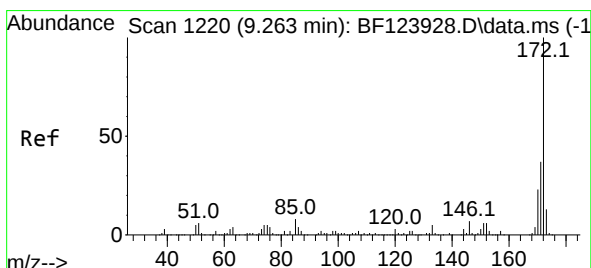
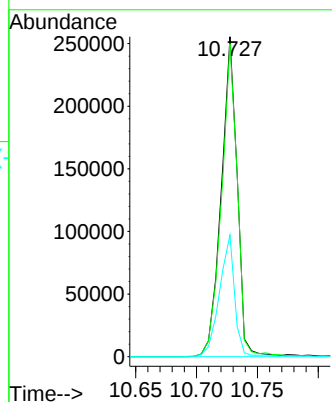
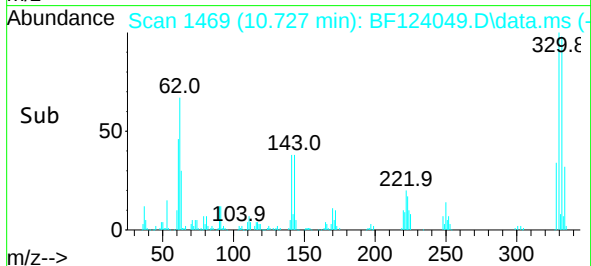


#42  
2,4,6-Tribromophenol  
Concen: 143.87 ng  
RT: 10.727 min Scan# 1469  
Delta R.T. 0.000 min  
Lab File: BF124049.D  
Acq: 25 May 2021 17:18

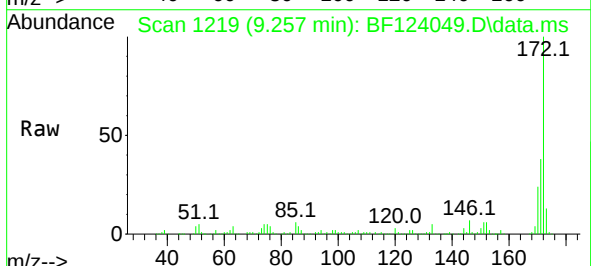
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ClientSampleId :  
PB136628BL



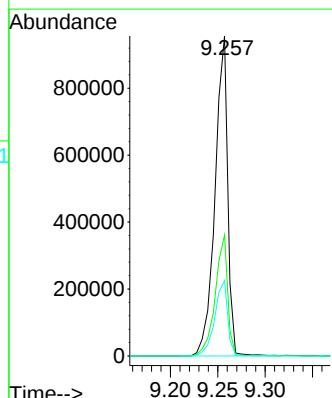
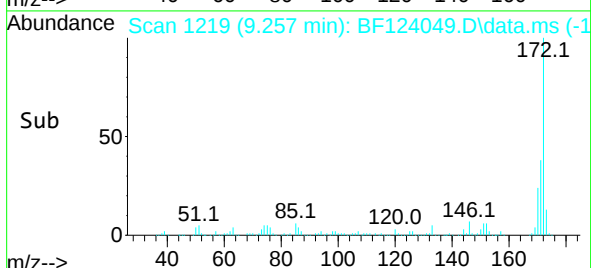
Tgt Ion: 330 Resp: 232583  
Ion Ratio Lower Upper  
330 100  
332 97.7 77.1 115.7  
141 36.5 27.9 41.9

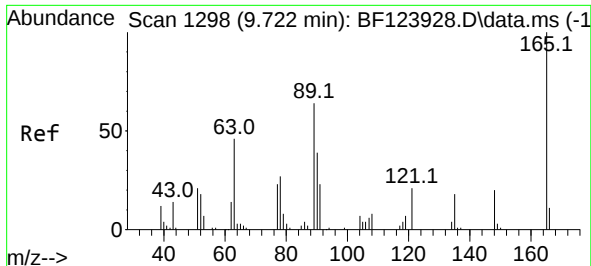


#45  
2-Fluorobiphenyl  
Concen: 81.75 ng  
RT: 9.257 min Scan# 1219  
Delta R.T. -0.006 min  
Lab File: BF124049.D  
Acq: 25 May 2021 17:18



Tgt Ion: 172 Resp: 894203  
Ion Ratio Lower Upper  
172 100  
171 37.8 28.1 42.1  
170 23.6 19.2 28.8

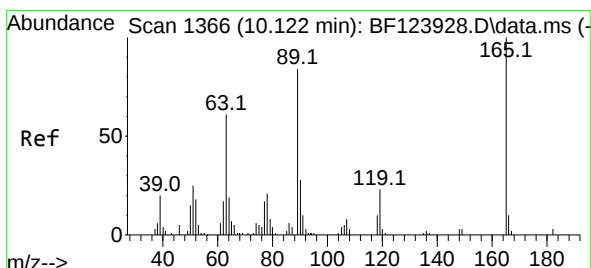
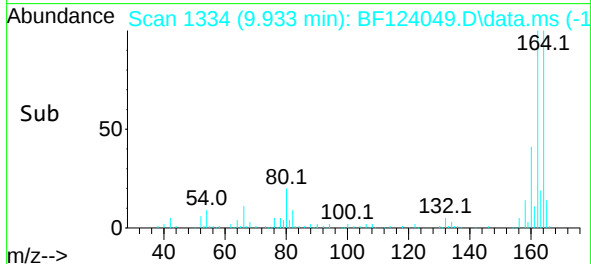
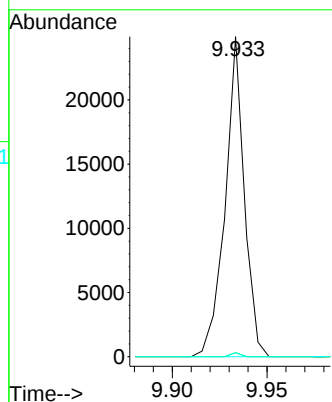
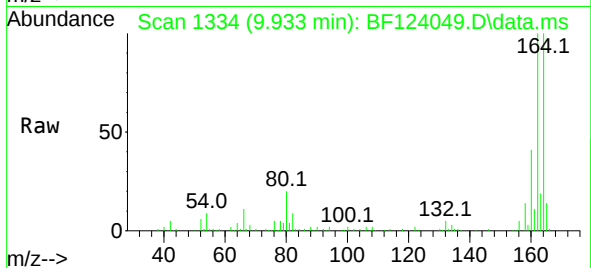




#51  
2,6-Dinitrotoluene  
Concen: 8.06 ng  
RT: 9.933 min Scan# 1334  
Delta R.T. 0.212 min  
Lab File: BF124049.D  
Acq: 25 May 2021 17:18

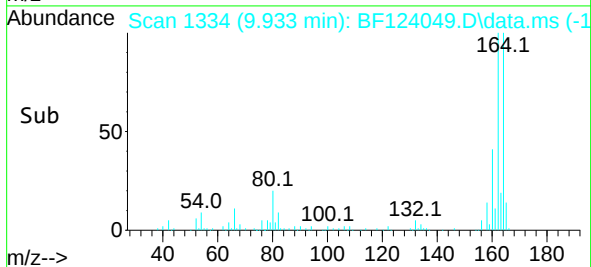
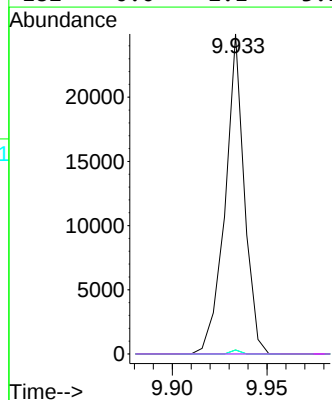
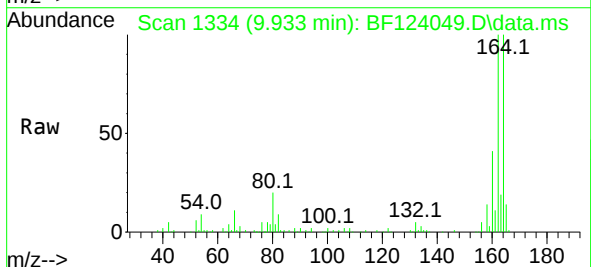
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BNA\_F  
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PB136628BL

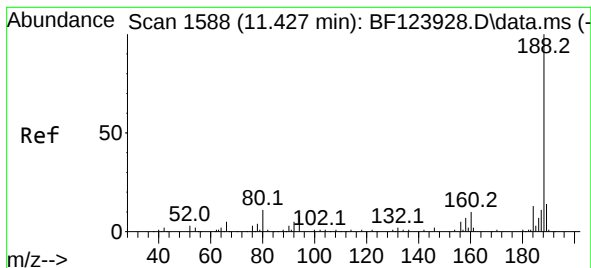
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Ion Ratio Lower Upper  
165 100  
63 1.3 67.7 101.5#  
89 1.3 58.8 88.2#



#57  
2,4-Dinitrotoluene  
Concen: 6.57 ng  
RT: 9.933 min Scan# 1334  
Delta R.T. -0.188 min  
Lab File: BF124049.D  
Acq: 25 May 2021 17:18

Tgt Ion:165 Resp: 17525  
Ion Ratio Lower Upper  
165 100  
63 1.3 43.5 65.3#  
89 1.3 67.7 101.5#  
182 0.0 2.1 3.1#

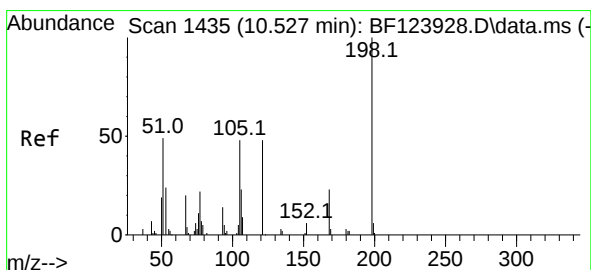
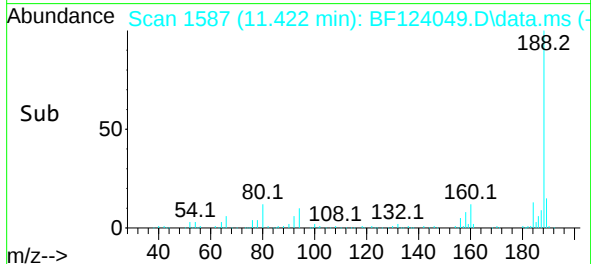
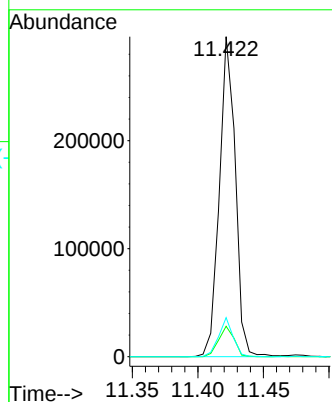
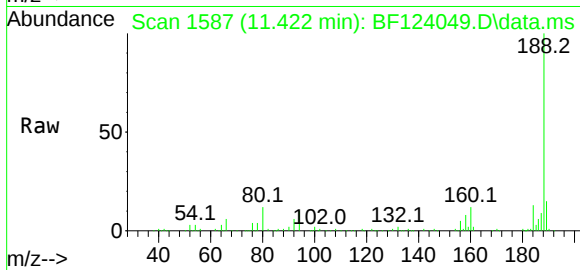




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.422 min Scan# 1587  
Delta R.T. -0.005 min  
Lab File: BF124049.D  
Acq: 25 May 2021 17:18

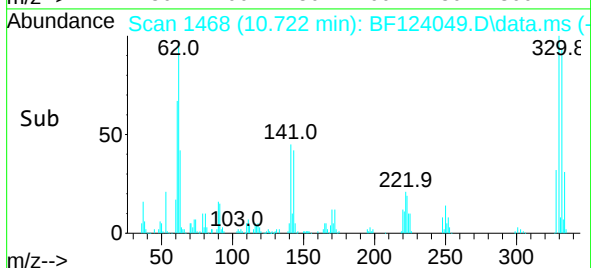
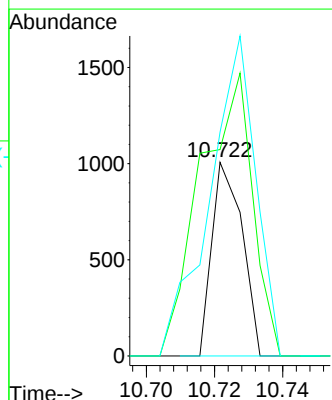
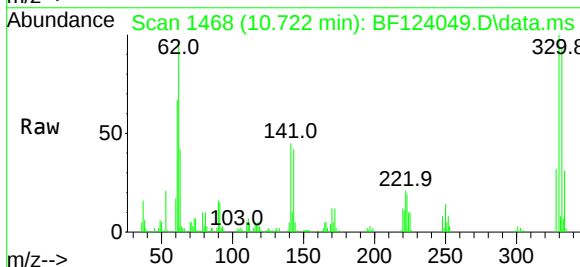
Instrument :  
BNA\_F  
ClientSampleId :  
PB136628BL

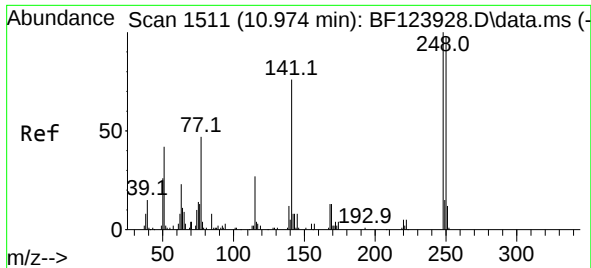
Tgt Ion:188 Resp: 250110  
Ion Ratio Lower Upper  
188 100  
94 9.5 6.9 10.3  
80 12.2 8.2 12.2



#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.78 ng  
RT: 10.722 min Scan# 1468  
Delta R.T. 0.195 min  
Lab File: BF124049.D  
Acq: 25 May 2021 17:18

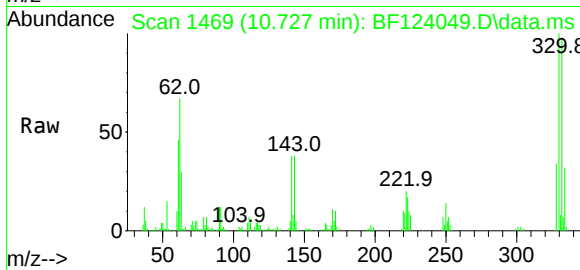
Tgt Ion:198 Resp: 619  
Ion Ratio Lower Upper  
198 100  
51 106.6 64.8 104.8#  
105 115.6 42.6 82.6#



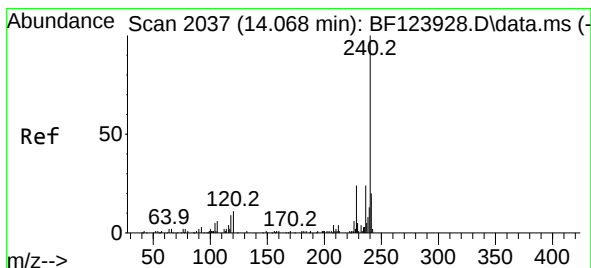
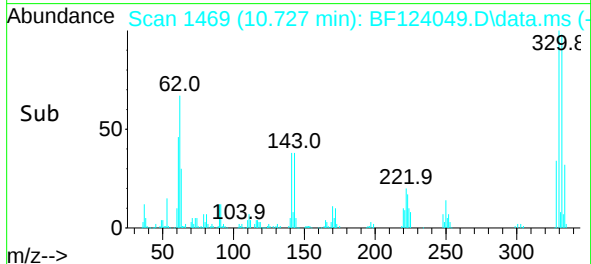
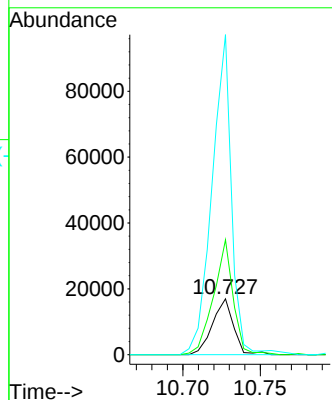


#67  
4-Bromophenyl-phenylether  
Concen: 4.89 ng  
RT: 10.727 min Scan# 1469  
Delta R.T. -0.247 min  
Lab File: BF124049.D  
Acq: 25 May 2021 17:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB136628BL

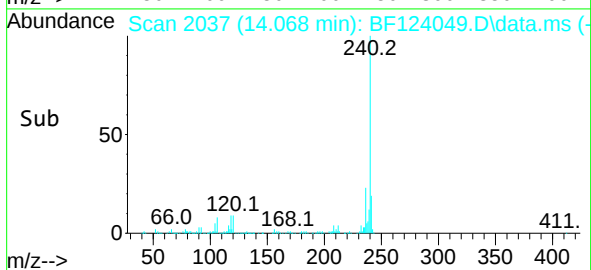
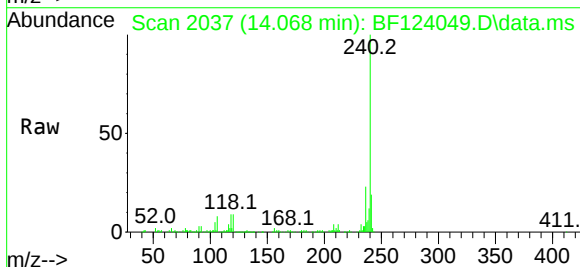
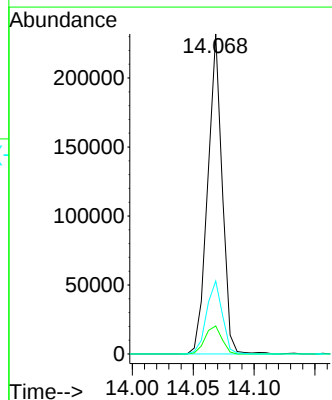


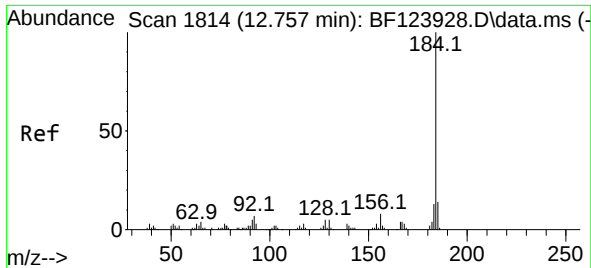
Tgt Ion:248 Resp: 16068  
Ion Ratio Lower Upper  
248 100  
250 205.7 77.4 116.2#  
141 572.6 63.7 95.5#



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.068 min Scan# 2037  
Delta R.T. 0.000 min  
Lab File: BF124049.D  
Acq: 25 May 2021 17:18

Tgt Ion:240 Resp: 190699  
Ion Ratio Lower Upper  
240 100  
120 8.8 7.2 10.8  
236 22.8 19.0 28.4

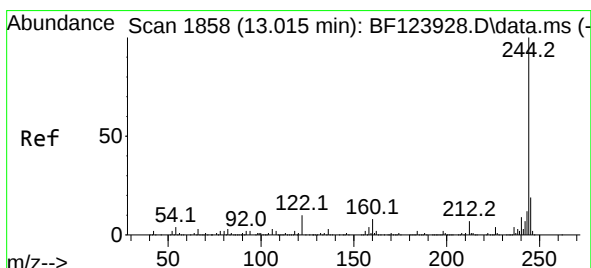
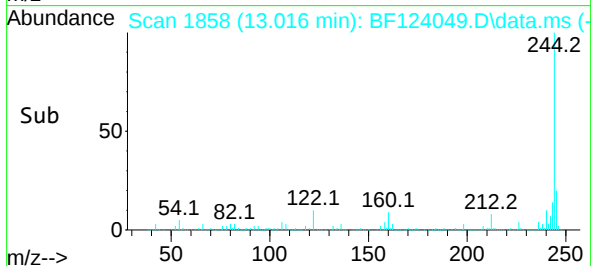
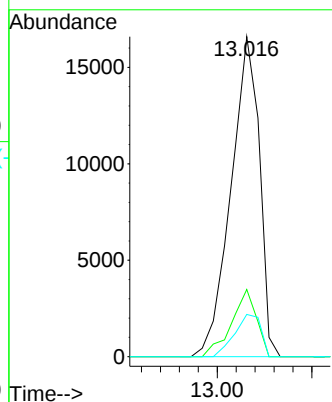
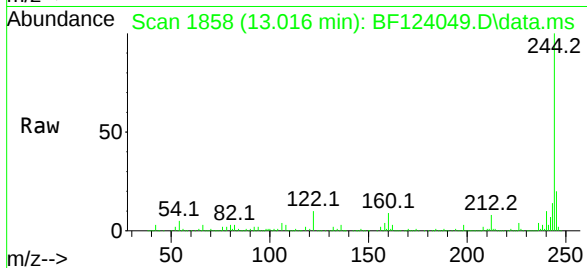




#77  
Benzidine  
Concen: 3.75 ng  
RT: 13.016 min Scan# 1858  
Delta R.T. 0.259 min  
Lab File: BF124049.D  
Acq: 25 May 2021 17:18

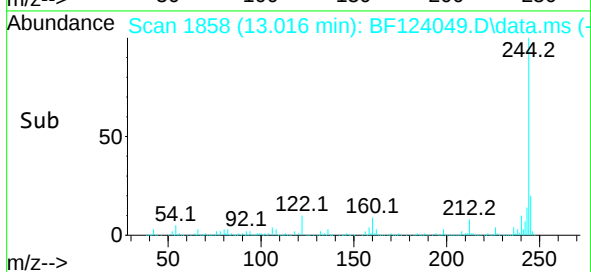
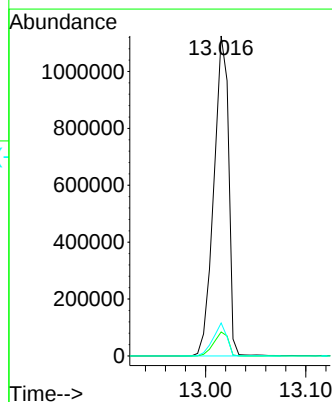
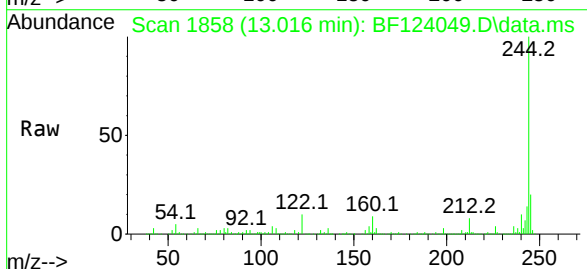
Instrument :  
BNA\_F  
ClientSampleId :  
PB136628BL

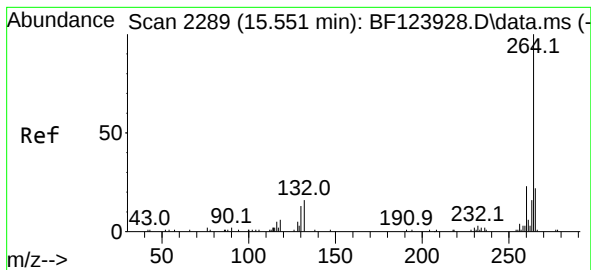
Tgt Ion:184 Resp: 17274  
Ion Ratio Lower Upper  
184 100  
185 21.0 12.1 18.1#  
183 13.2 7.8 11.8#



#79  
Terphenyl-d14  
Concen: 91.46 ng  
RT: 13.016 min Scan# 1858  
Delta R.T. 0.000 min  
Lab File: BF124049.D  
Acq: 25 May 2021 17:18

Tgt Ion:244 Resp: 1151629  
Ion Ratio Lower Upper  
244 100  
212 7.5 5.7 8.5  
122 10.3 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: BF124049.D  
 Acq: 25 May 2021 17:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB136628BL

Tgt Ion:264 Resp: 144376  
 Ion Ratio Lower Upper  
 264 100  
 260 22.3 18.7 28.1  
 265 21.7 17.8 26.8

