

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052121\  
 Data File : BF124016.D  
 Acq On : 21 May 2021 13:16  
 Operator : JU/CG  
 Sample : PB136581BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB136581BL

Quant Time: May 21 13:46:14 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

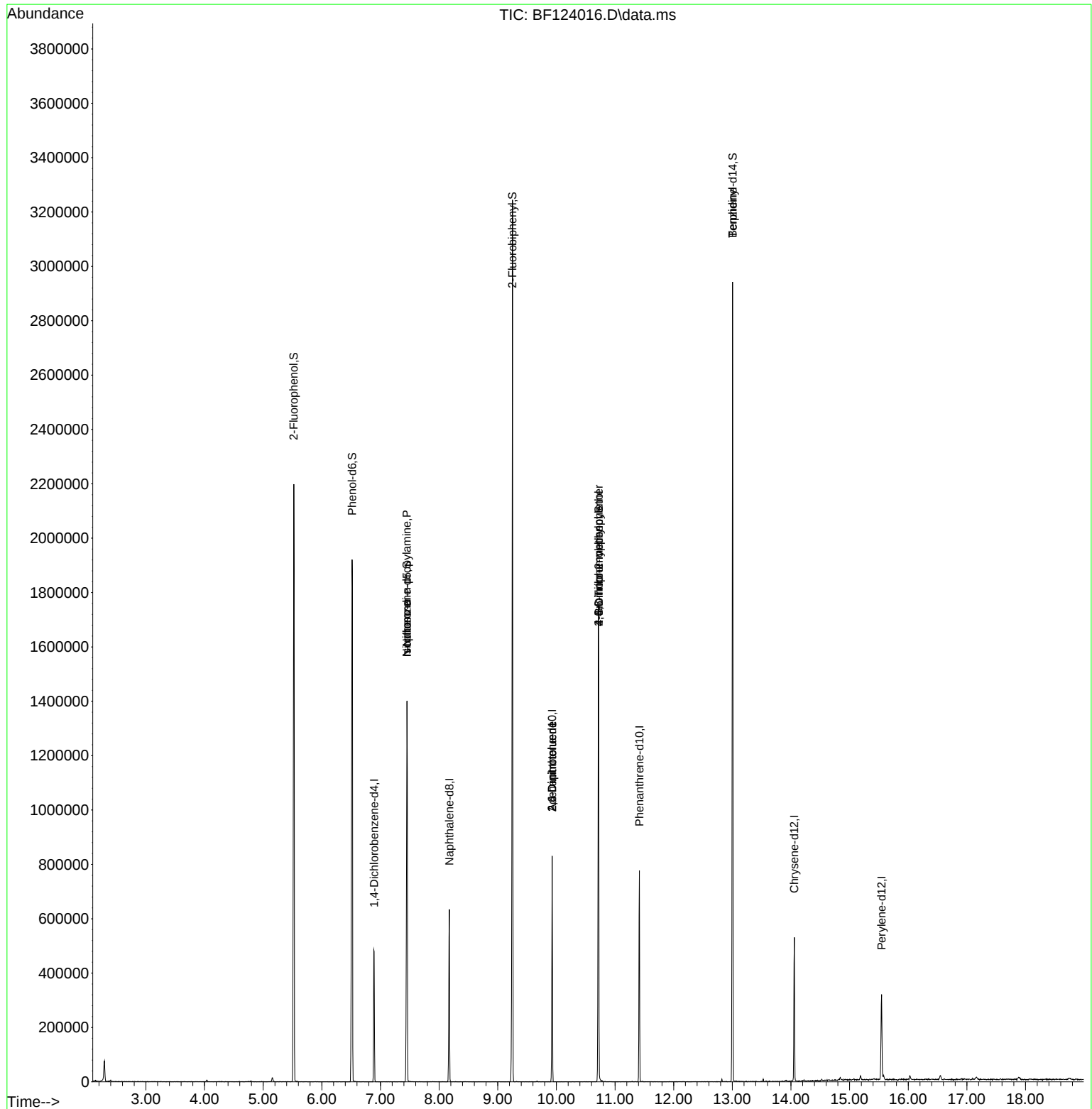
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.893  | 152  | 63395    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.175  | 136  | 252048   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.928  | 164  | 141381   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10          | 11.416 | 188  | 244889   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12              | 14.057 | 240  | 162632   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12              | 15.545 | 264  | 128134   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.522  | 112  | 547446   | 121.25 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.516  | 99   | 663952   | 113.36 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 477011   | 81.54  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 186132   | 109.61 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 873395   | 76.02  | ng    | -0.01    |
| 79) Terphenyl-d14             | 13.004 | 244  | 900258   | 83.84  | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.451  | 70   | 65336    | 16.51  | ng    | # 81     |
| 25) Isophorone                | 7.451  | 82   | 476835   | 42.37  | ng    | # 69     |
| 51) 2,6-Dinitrotoluene        | 9.928  | 165  | 18609    | 8.15   | ng    | # 13     |
| 57) 2,4-Dinitrotoluene        | 9.928  | 165  | 18609    | 6.65   | ng    | # 18     |
| 65) 4,6-Dinitro-2-methylph... | 10.722 | 198  | 605      | 5.78   | ng    | # 48     |
| 67) 4-Bromophenyl-phenylether | 10.722 | 248  | 12460    | 3.87   | ng    | # 1      |
| 77) Benzidine                 | 13.004 | 184  | 13677    | 3.49   | ng    | # 91     |
| -----                         |        |      |          |        |       |          |

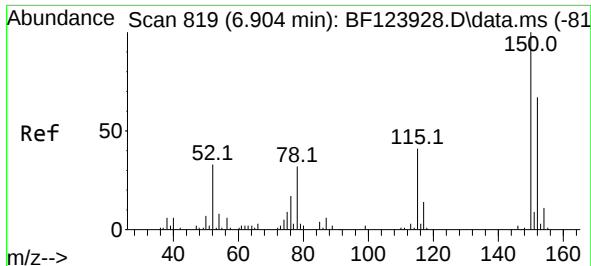
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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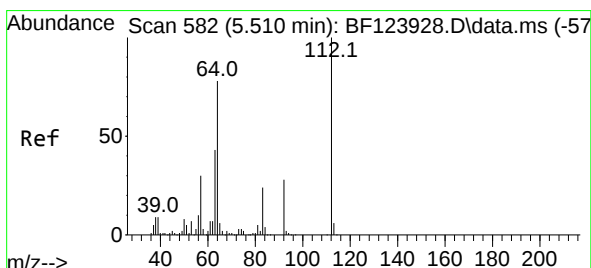
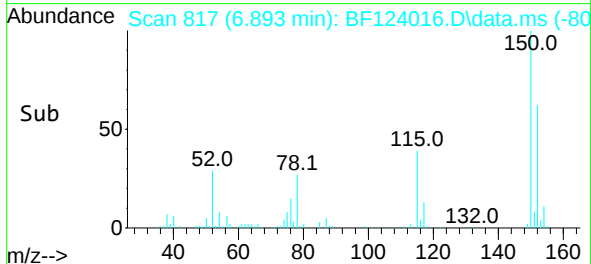
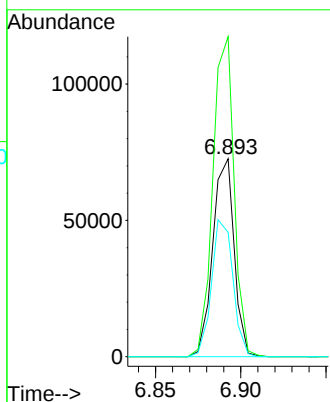
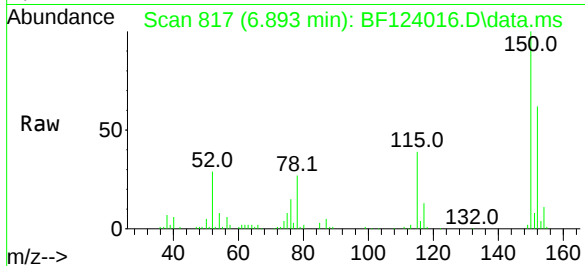




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.893 min Scan# 817  
Delta R.T. -0.011 min  
Lab File: BF124016.D  
Acq: 21 May 2021 13:16

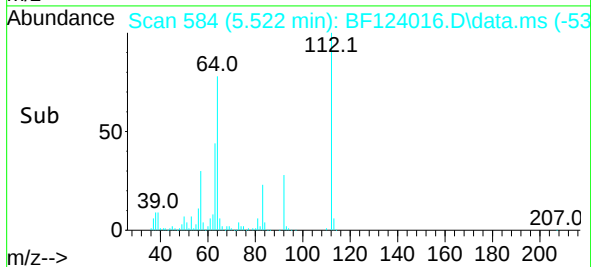
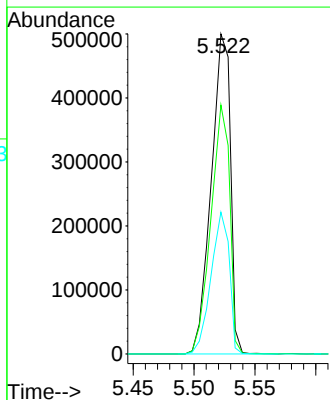
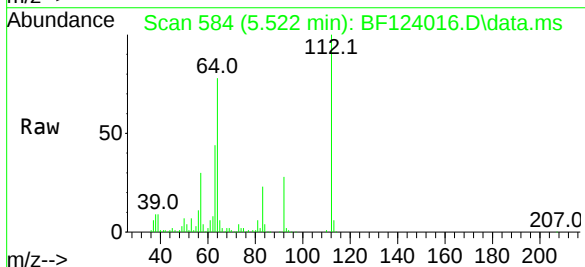
Instrument :  
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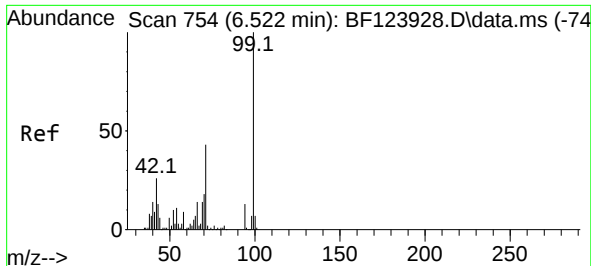
Tgt Ion:152 Resp: 63395  
Ion Ratio Lower Upper  
152 100  
150 161.7 127.0 190.6  
115 62.9 54.3 81.5



#5  
2-Fluorophenol  
Concen: 121.25 ng  
RT: 5.522 min Scan# 584  
Delta R.T. 0.012 min  
Lab File: BF124016.D  
Acq: 21 May 2021 13:16

Tgt Ion:112 Resp: 547446  
Ion Ratio Lower Upper  
112 100  
64 77.8 61.4 92.0  
63 44.3 33.0 49.4

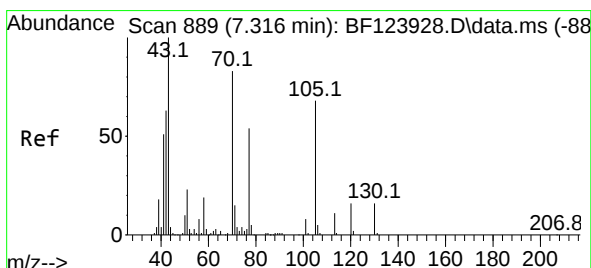
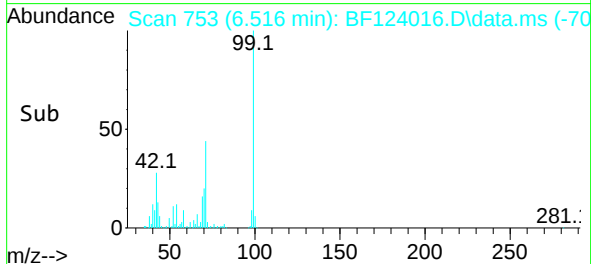
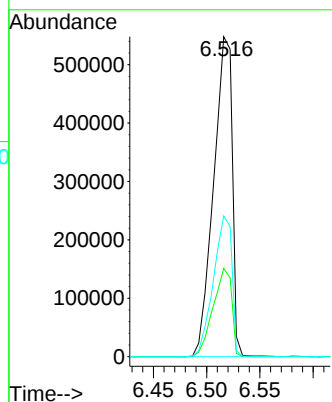
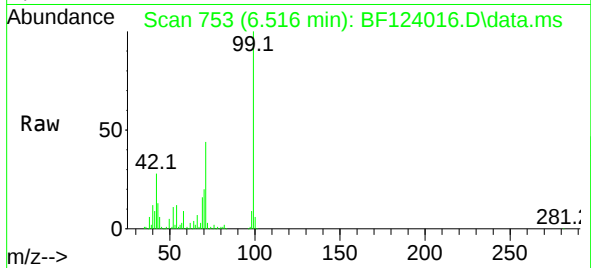




#7  
Phenol-d6  
Concen: 113.36 ng  
RT: 6.516 min Scan# 753  
Delta R.T. -0.006 min  
Lab File: BF124016.D  
Acq: 21 May 2021 13:16

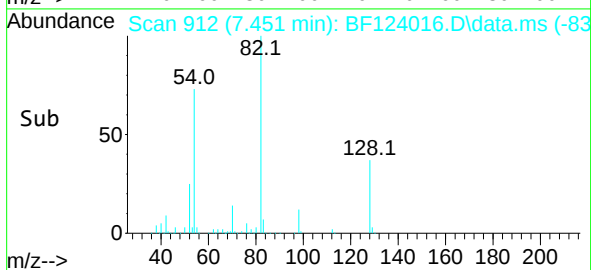
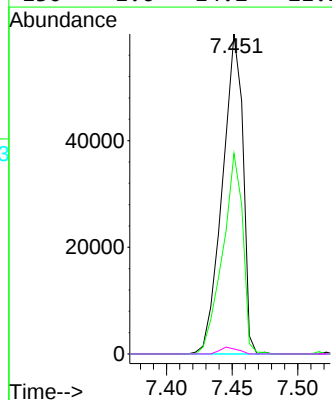
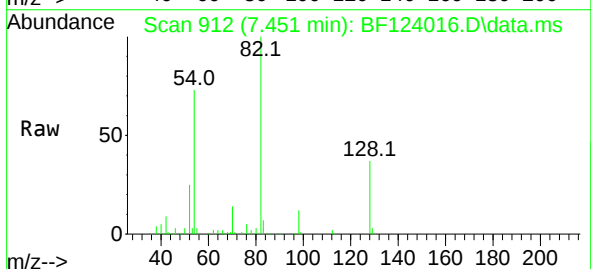
Instrument :  
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ClientSampleId :  
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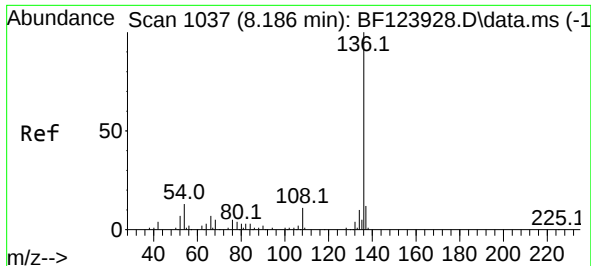
Tgt Ion: 99 Resp: 663952  
Ion Ratio Lower Upper  
99 100  
42 27.6 19.8 29.8  
71 44.0 31.1 46.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.51 ng  
RT: 7.451 min Scan# 912  
Delta R.T. 0.135 min  
Lab File: BF124016.D  
Acq: 21 May 2021 13:16

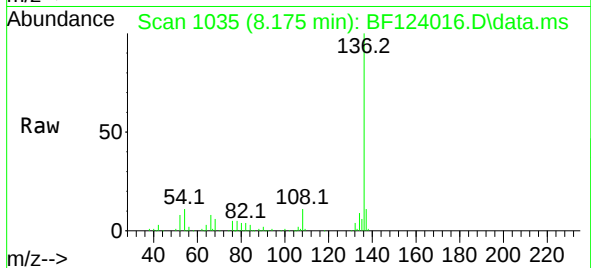
Tgt Ion: 70 Resp: 65336  
Ion Ratio Lower Upper  
70 100  
42 62.6 60.1 90.1  
101 0.0 7.4 11.2#  
130 1.6 14.2 21.2#



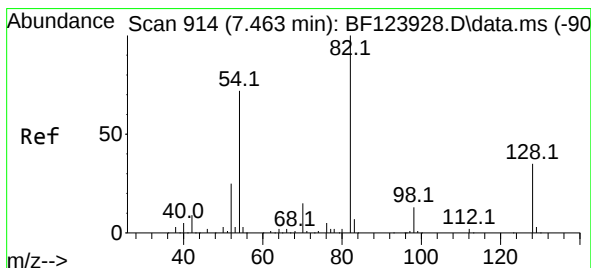
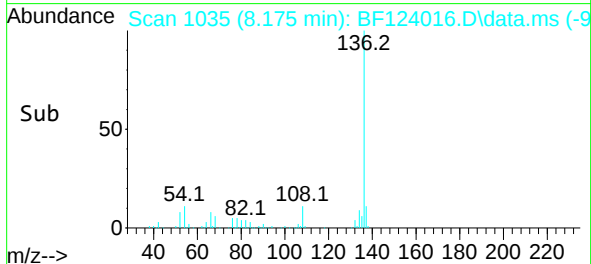
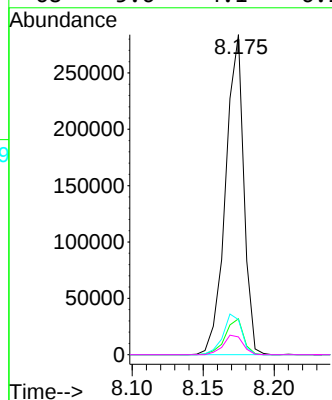


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.175 min Scan# 1035  
Delta R.T. -0.011 min  
Lab File: BF124016.D  
Acq: 21 May 2021 13:16

Instrument :  
BNA\_F  
ClientSampleId :  
PB136581BL

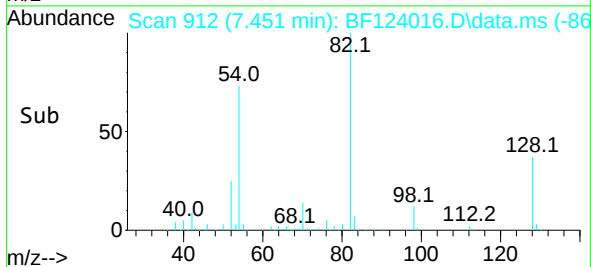
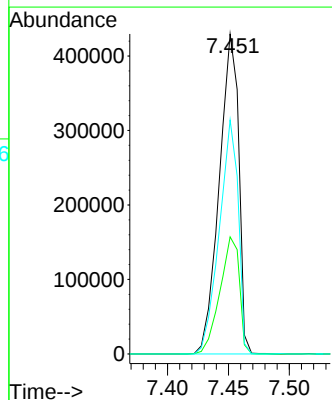
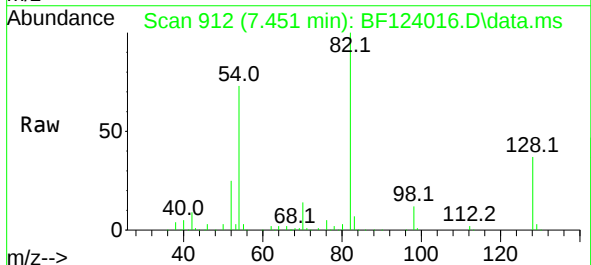


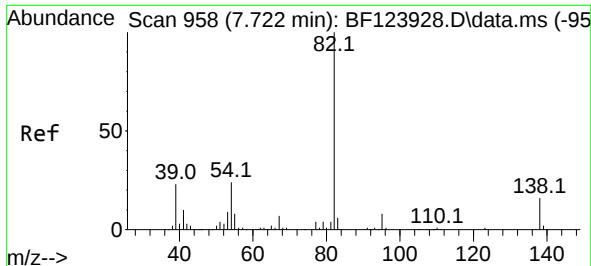
Tgt Ion:136 Resp: 252048  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.7 13.1  
54 11.0 9.8 14.6  
68 5.6 4.1 6.1



#23  
Nitrobenzene-d5  
Concen: 81.54 ng  
RT: 7.451 min Scan# 912  
Delta R.T. -0.012 min  
Lab File: BF124016.D  
Acq: 21 May 2021 13:16

Tgt Ion: 82 Resp: 477011  
Ion Ratio Lower Upper  
82 100  
128 36.6 29.4 44.2  
54 73.2 54.1 81.1

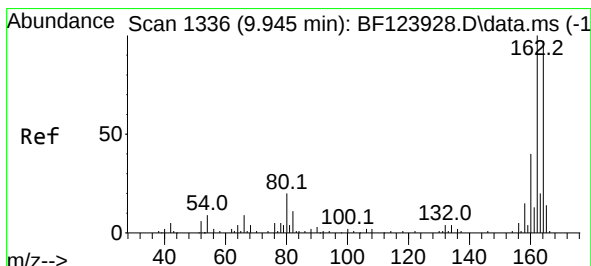
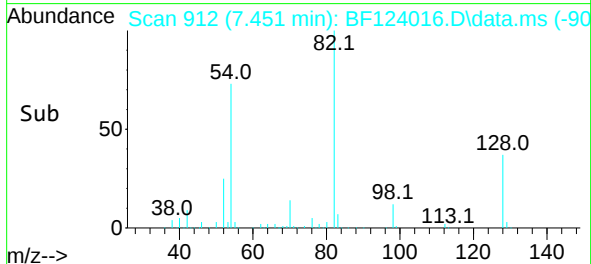
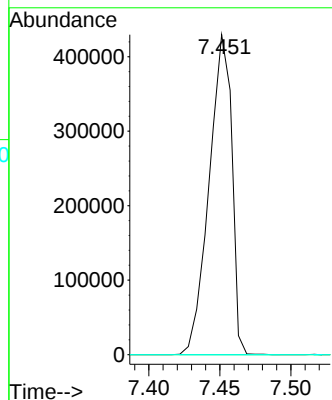
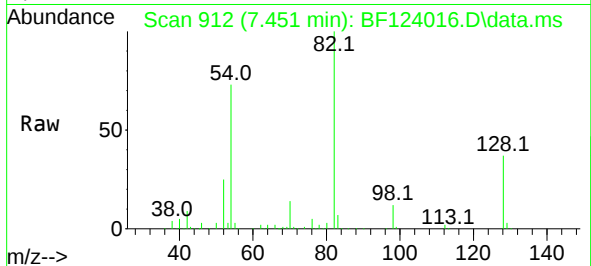




#25  
Isophorone  
Concen: 42.37 ng  
RT: 7.451 min Scan# 912  
Delta R.T. -0.270 min  
Lab File: BF124016.D  
Acq: 21 May 2021 13:16

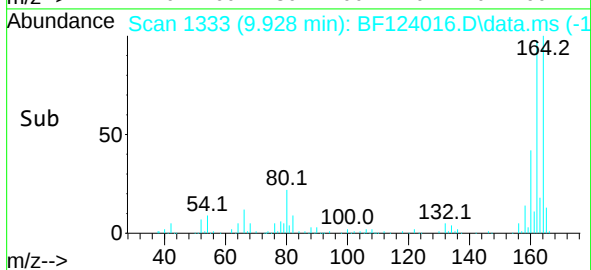
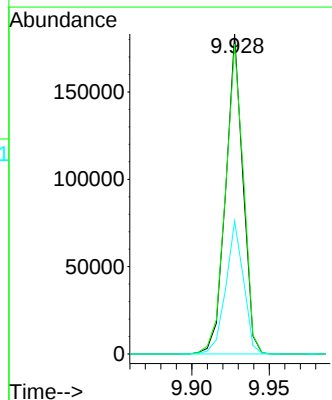
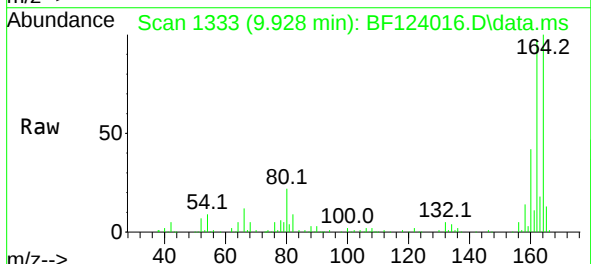
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ClientSampleId :  
PB136581BL

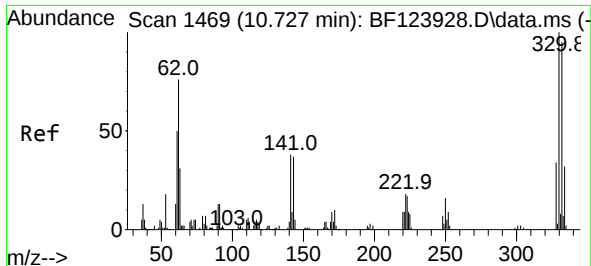
Tgt Ion: 82 Resp: 476835  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 11.8 17.8#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.928 min Scan# 1333  
Delta R.T. -0.017 min  
Lab File: BF124016.D  
Acq: 21 May 2021 13:16

Tgt Ion: 164 Resp: 141381  
Ion Ratio Lower Upper  
164 100  
162 96.8 80.7 121.1  
160 41.6 37.3 55.9

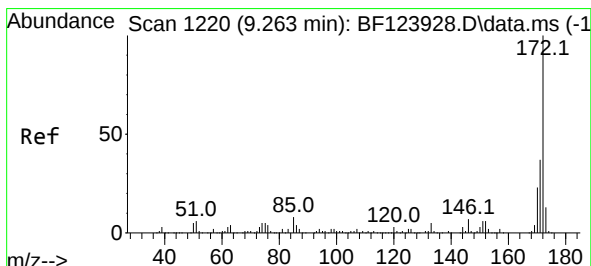
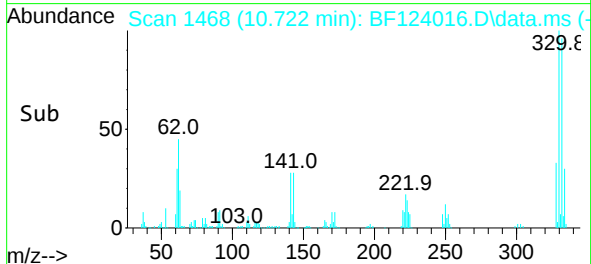
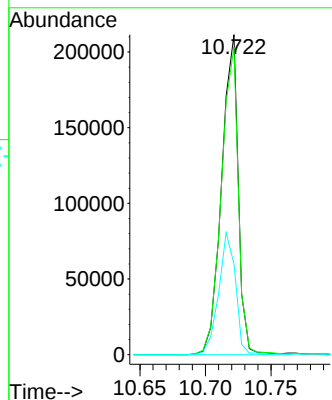
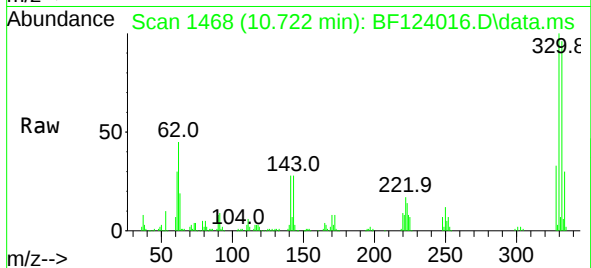




#42  
2,4,6-Tribromophenol  
Concen: 109.61 ng  
RT: 10.722 min Scan# 1468  
Delta R.T. -0.006 min  
Lab File: BF124016.D  
Acq: 21 May 2021 13:16

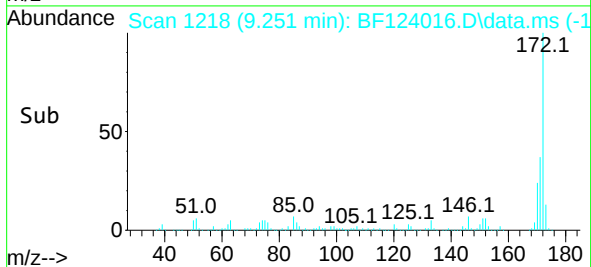
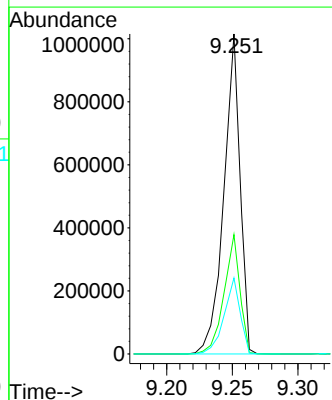
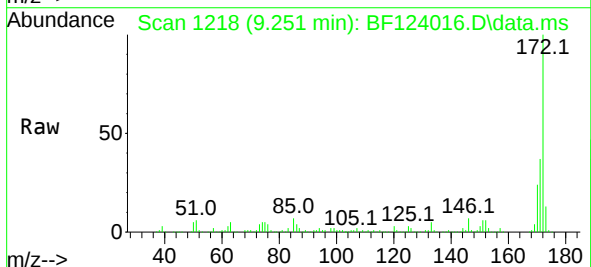
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PB136581BL

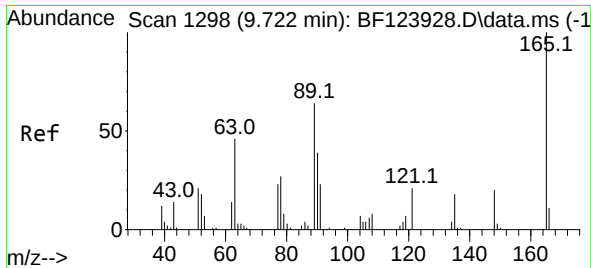
Tgt Ion:330 Resp: 186132  
Ion Ratio Lower Upper  
330 100  
332 98.3 77.1 115.7  
141 38.7 27.9 41.9



#45  
2-Fluorobiphenyl  
Concen: 76.02 ng  
RT: 9.251 min Scan# 1218  
Delta R.T. -0.012 min  
Lab File: BF124016.D  
Acq: 21 May 2021 13:16

Tgt Ion:172 Resp: 873395  
Ion Ratio Lower Upper  
172 100  
171 37.3 28.1 42.1  
170 23.8 19.2 28.8

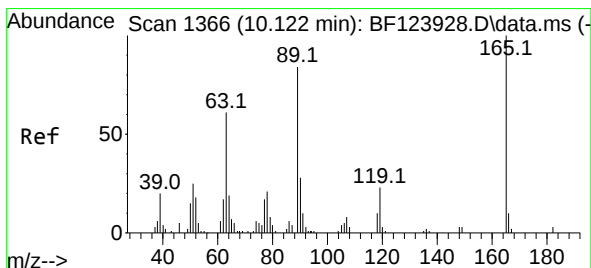
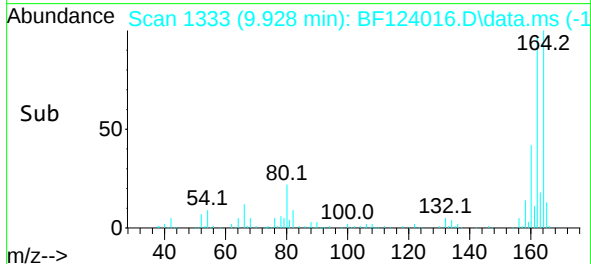
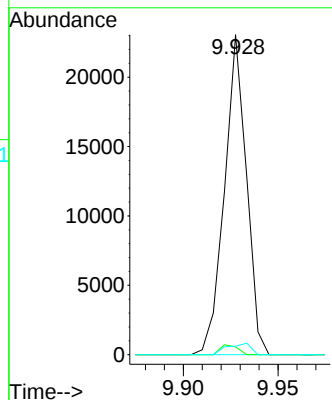
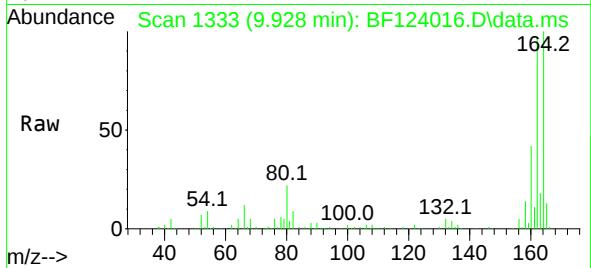




#51  
2,6-Dinitrotoluene  
Concen: 8.15 ng  
RT: 9.928 min Scan# 1333  
Delta R.T. 0.206 min  
Lab File: BF124016.D  
Acq: 21 May 2021 13:16

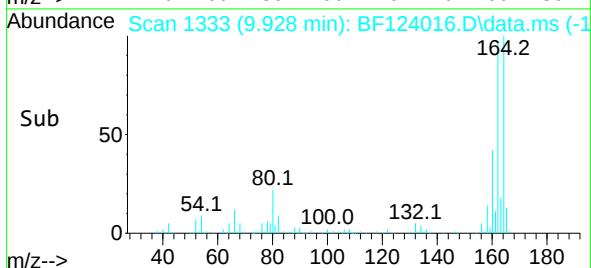
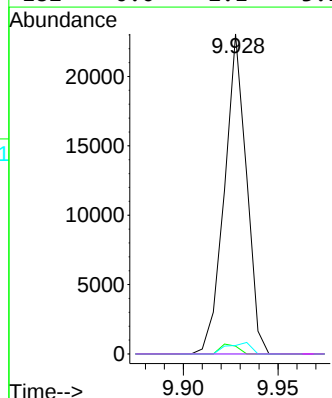
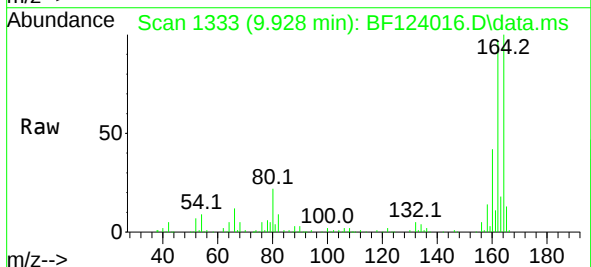
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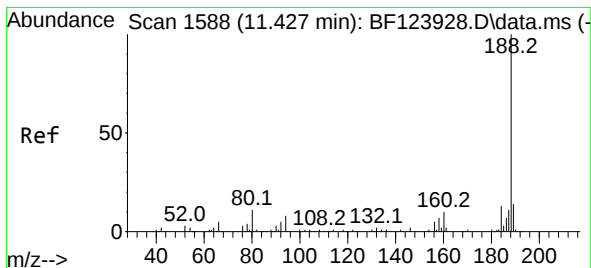
Tgt Ion:165 Resp: 18609  
Ion Ratio Lower Upper  
165 100  
63 2.4 67.7 101.5#  
89 2.6 58.8 88.2#



#57  
2,4-Dinitrotoluene  
Concen: 6.65 ng  
RT: 9.928 min Scan# 1333  
Delta R.T. -0.194 min  
Lab File: BF124016.D  
Acq: 21 May 2021 13:16

Tgt Ion:165 Resp: 18609  
Ion Ratio Lower Upper  
165 100  
63 2.4 43.5 65.3#  
89 2.6 67.7 101.5#  
182 0.0 2.1 3.1#

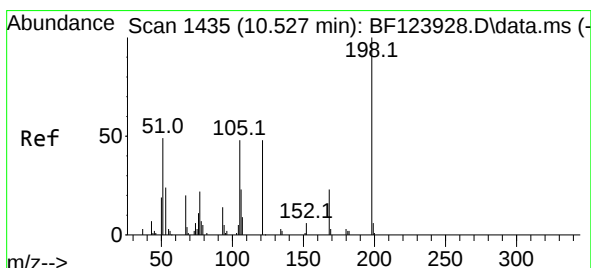
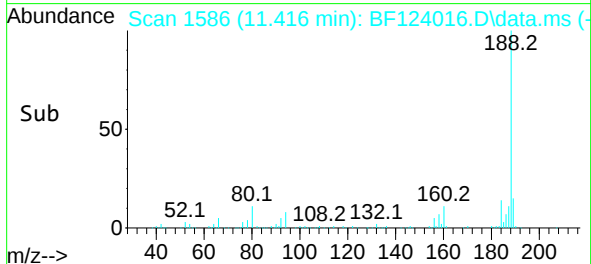
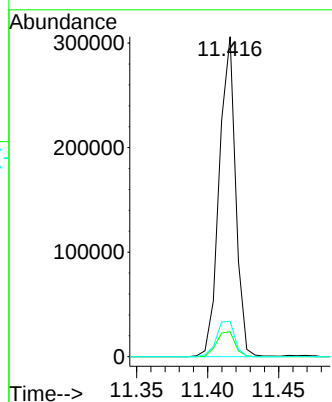
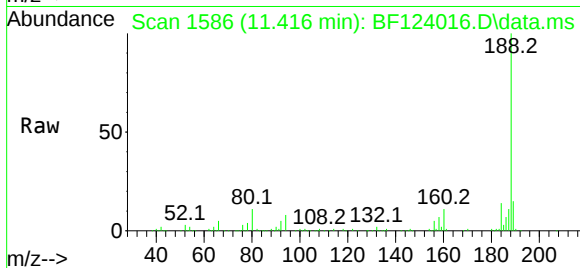




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.416 min Scan# 1586  
Delta R.T. -0.011 min  
Lab File: BF124016.D  
Acq: 21 May 2021 13:16

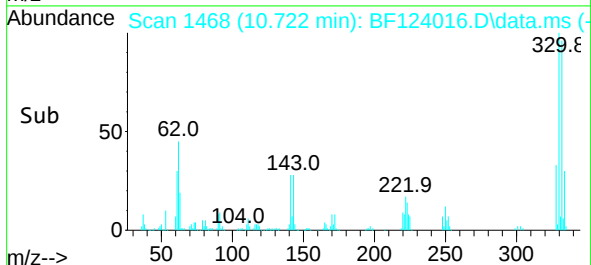
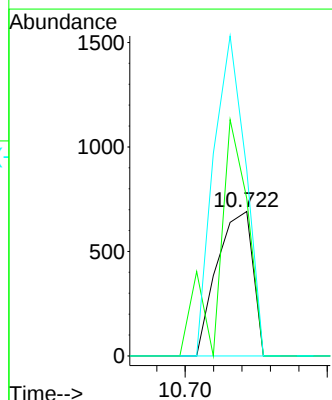
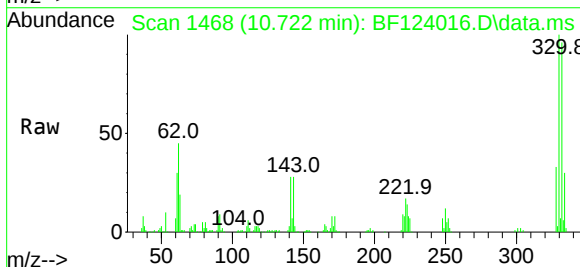
Instrument :  
BNA\_F  
ClientSampleId :  
PB136581BL

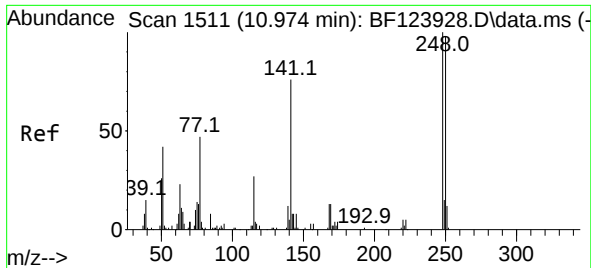
Tgt Ion:188 Resp: 244889  
Ion Ratio Lower Upper  
188 100  
94 7.8 6.9 10.3  
80 11.0 8.2 12.2



#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.78 ng  
RT: 10.722 min Scan# 1468  
Delta R.T. 0.195 min  
Lab File: BF124016.D  
Acq: 21 May 2021 13:16

Tgt Ion:198 Resp: 605  
Ion Ratio Lower Upper  
198 100  
51 109.0 64.8 104.8#  
105 128.8 42.6 82.6#

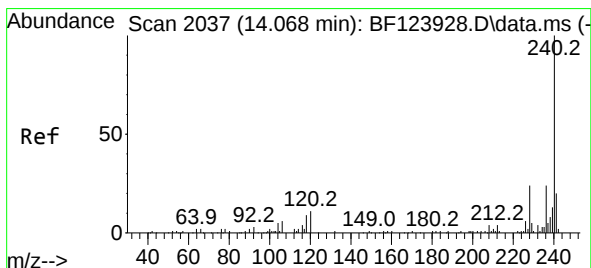
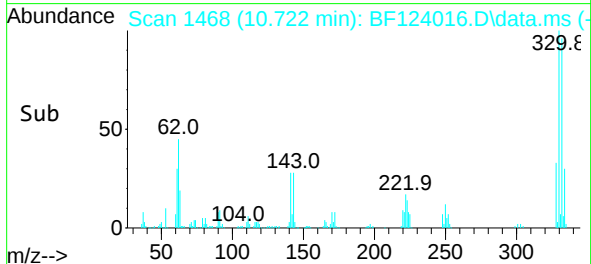
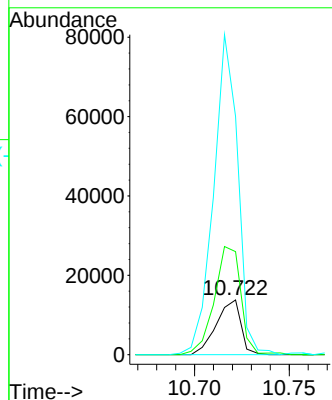
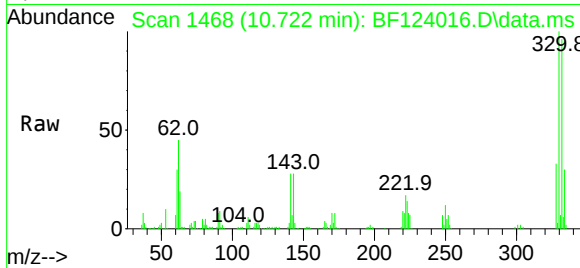




#67  
4-Bromophenyl-phenylether  
Concen: 3.87 ng  
RT: 10.722 min Scan# 1468  
Delta R.T. -0.253 min  
Lab File: BF124016.D  
Acq: 21 May 2021 13:16

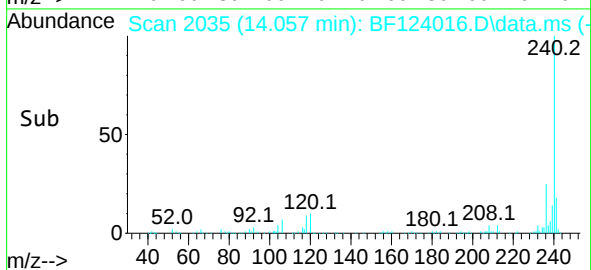
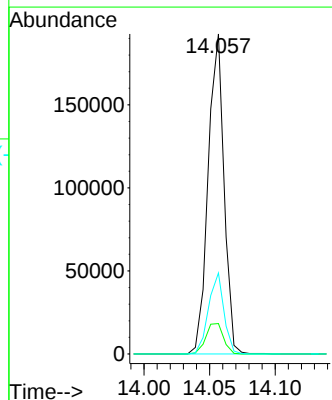
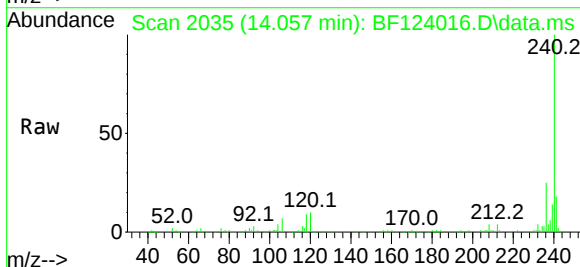
Instrument :  
BNA\_F  
ClientSampleId :  
PB136581BL

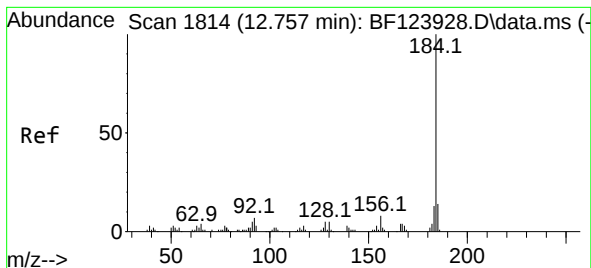
Tgt Ion:248 Resp: 12460  
Ion Ratio Lower Upper  
248 100  
250 188.3 77.4 116.2#  
141 434.9 63.7 95.5#



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.057 min Scan# 2035  
Delta R.T. -0.012 min  
Lab File: BF124016.D  
Acq: 21 May 2021 13:16

Tgt Ion:240 Resp: 162632  
Ion Ratio Lower Upper  
240 100  
120 9.5 7.2 10.8  
236 25.3 19.0 28.4





#77

Benzidine

Concen: 3.49 ng

RT: 13.004 min Scan# 1856

Delta R.T. 0.247 min

Lab File: BF124016.D

Acq: 21 May 2021 13:16

Tgt Ion:184 Resp: 13677

Ion Ratio Lower Upper

184 100

185 19.7 12.1 18.1#

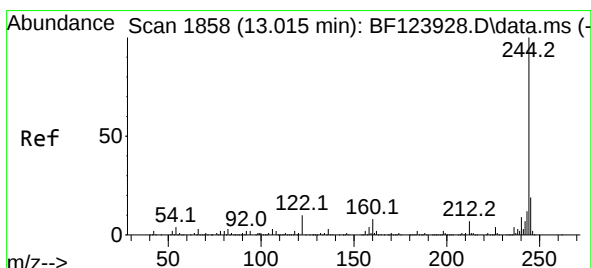
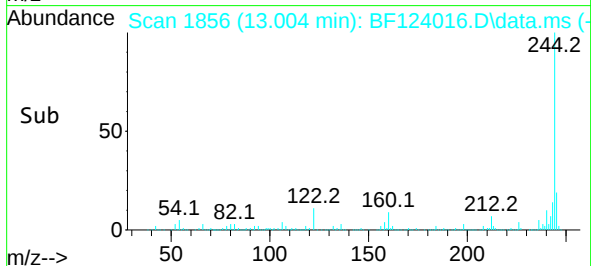
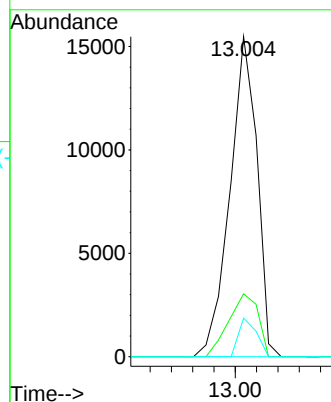
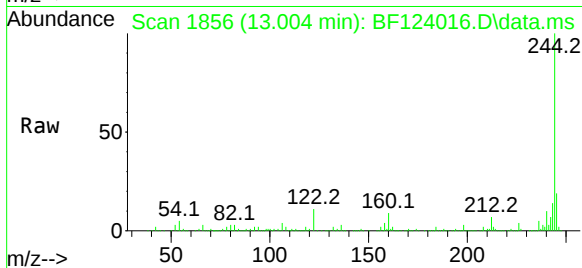
183 12.0 7.8 11.8#

Instrument :

BNA\_F

ClientSampleId :

PB136581BL



#79

Terphenyl-d14

Concen: 83.84 ng

RT: 13.004 min Scan# 1856

Delta R.T. -0.012 min

Lab File: BF124016.D

Acq: 21 May 2021 13:16

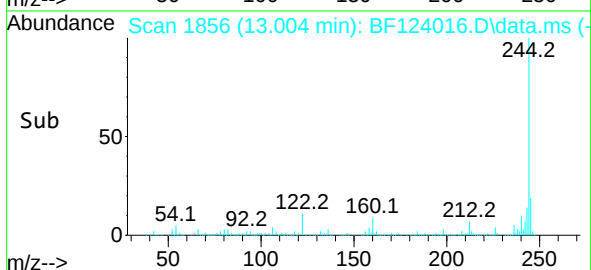
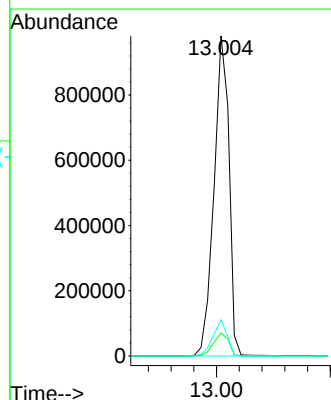
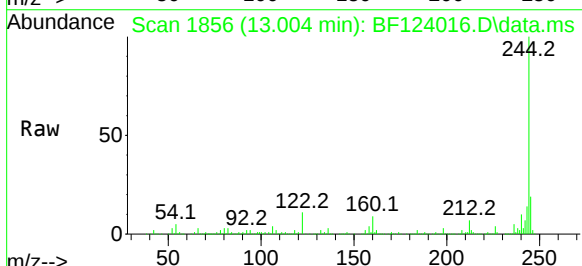
Tgt Ion:244 Resp: 900258

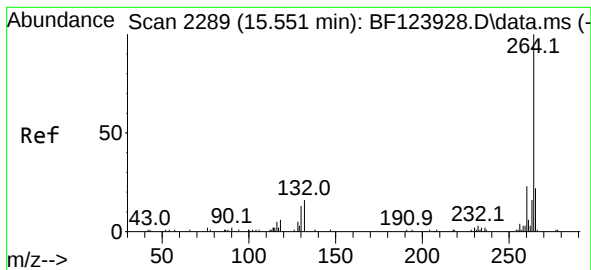
Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

122 11.3 9.7 14.5





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.545 min Scan# 2288  
 Delta R.T. -0.006 min  
 Lab File: BF124016.D  
 Acq: 21 May 2021 13:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB136581BL

Tgt Ion:264 Resp: 128134  
 Ion Ratio Lower Upper  
 264 100  
 260 24.8 18.7 28.1  
 265 21.6 17.8 26.8

