

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111121\  
 Data File : BF126124.D  
 Acq On : 11 Nov 2021 13:45  
 Operator : JU/CG  
 Sample : M4576-06  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TW-1

Quant Time: Nov 11 15:11:54 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 03 17:21:25 2021  
 Response via : Initial Calibration

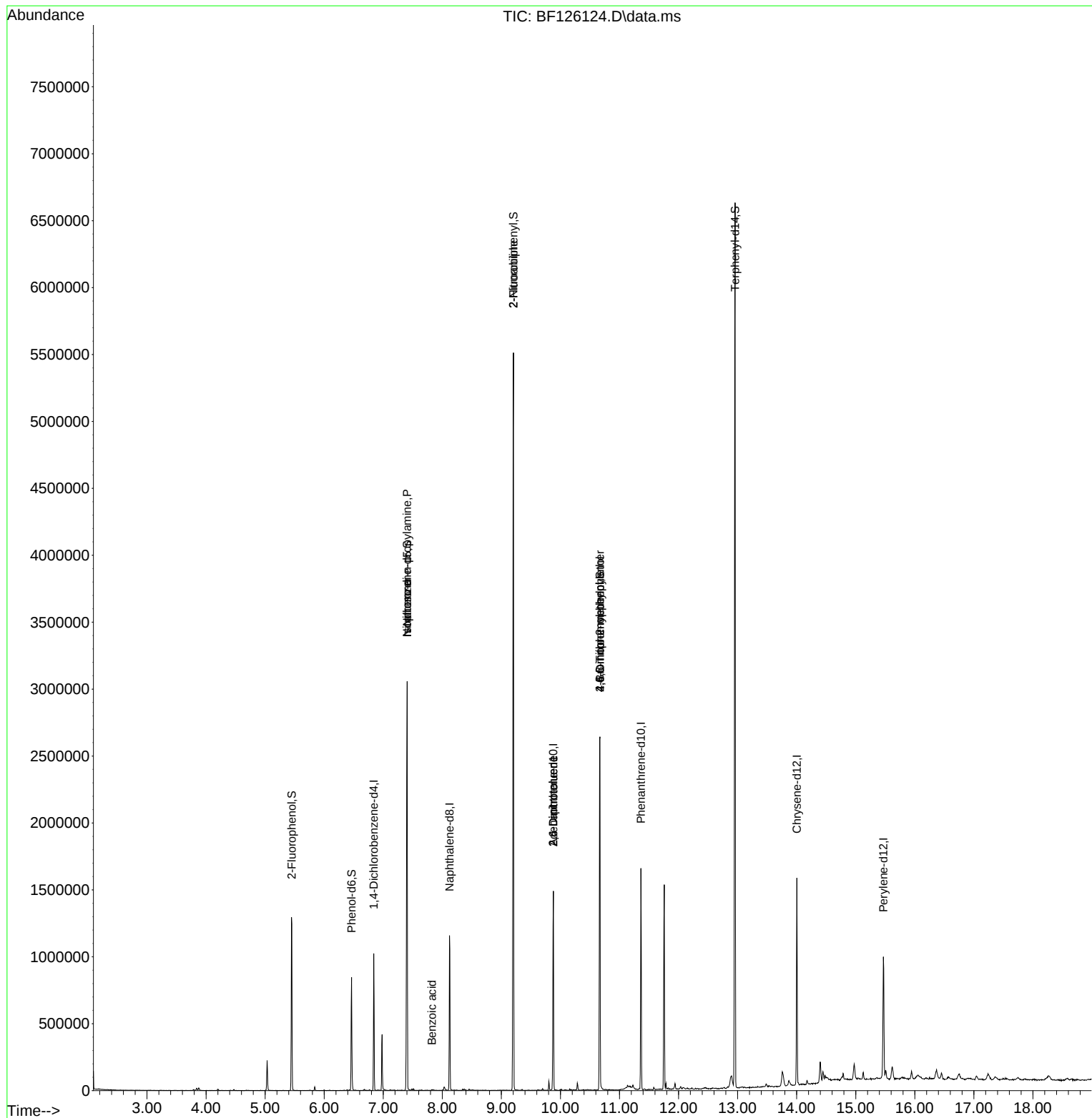
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.839  | 152  | 122133   | 20.000    | ng    | -0.02    |
| 21) Naphthalene-d8            | 8.122  | 136  | 466834   | 20.000    | ng    | #-0.02   |
| 39) Acenaphthene-d10          | 9.880  | 164  | 280762   | 20.000    | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.363 | 188  | 540628   | 20.000    | ng    | -0.01    |
| 76) Chrysene-d12              | 14.004 | 240  | 498310   | 20.000    | ng    | # 0.00   |
| 86) Perylene-d12              | 15.468 | 264  | 412917   | 20.000    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.451  | 112  | 290440   | 40.838    | ng    | -0.01    |
| 7) Phenol-d6                  | 6.463  | 99   | 221520   | 22.095    | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 888383   | 89.746    | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 303306   | 94.266    | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 1587836  | 76.426    | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.957 | 244  | 2201809  | 71.251    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.386  | 77   | 918      | Below Cal | #     | 83       |
| 19) n-Nitroso-di-n-propyla... | 7.404  | 70   | 122473   | 18.530    | ng    | # 63     |
| 25) Isophorone                | 7.404  | 82   | 886449   | 49.738    | ng    | # 59     |
| 32) Benzoic acid              | 7.822  | 122  | 1381     | 9.419     | ng    | # 89     |
| 48) 2-Nitroaniline            | 9.204  | 65   | 3291     | 3.403     | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.880  | 165  | 35923    | 10.253    | ng    | # 27     |
| 57) 2,4-Dinitrotoluene        | 9.880  | 165  | 35923    | 9.813     | ng    | # 19     |
| 65) 4,6-Dinitro-2-methylph... | 10.669 | 198  | 764      | 8.559     | ng    | # 26     |
| 67) 4-Bromophenyl-phenylether | 10.669 | 248  | 21155    | 3.231     | ng    | # 1      |
| -----                         |        |      |          |           |       |          |

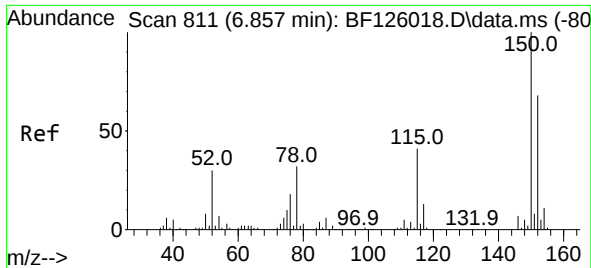
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 6 Sample Multiplier: 1

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QLast Update : Wed Nov 03 17:21:25 2021  
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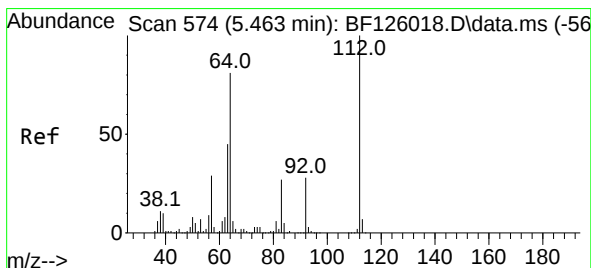
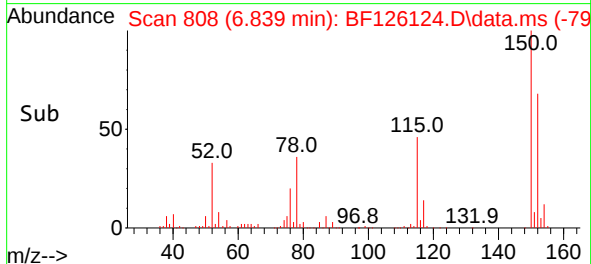
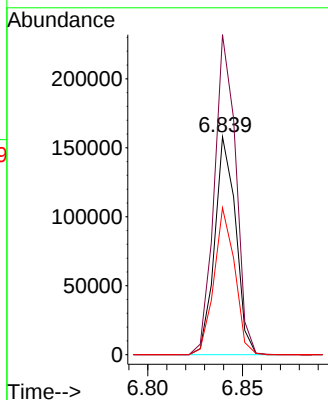
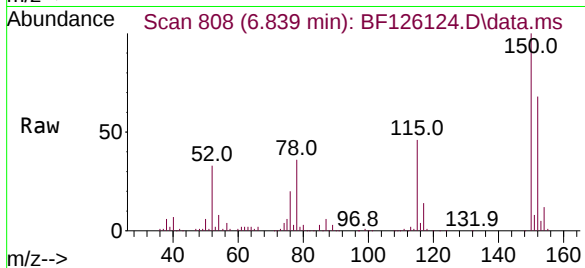




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.839 min Scan# 80  
Delta R.T. -0.018 min  
Lab File: BF126124.D  
Acq: 11 Nov 2021 13:45

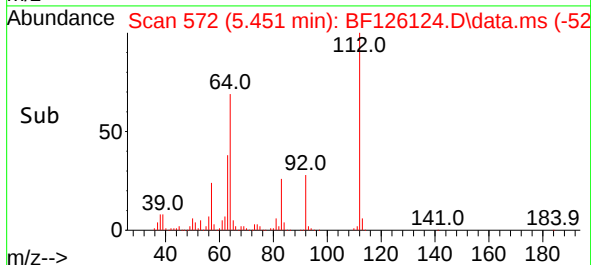
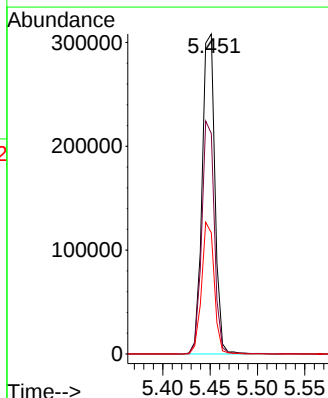
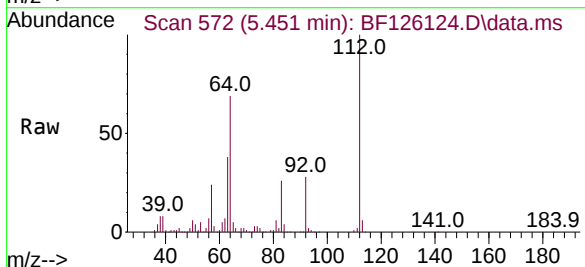
Instrument :  
BNA\_F  
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TW-1

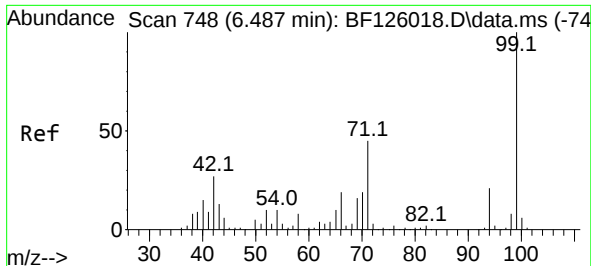
Tgt Ion:152 Resp: 122133  
Ion Ratio Lower Upper  
152 100  
150 146.8 117.6 176.4  
115 67.4 47.1 70.7



#5  
2-Fluorophenol  
Concen: 40.838 ng  
RT: 5.451 min Scan# 572  
Delta R.T. -0.012 min  
Lab File: BF126124.D  
Acq: 11 Nov 2021 13:45

Tgt Ion:112 Resp: 290440  
Ion Ratio Lower Upper  
112 100  
64 68.9 44.2 66.2#  
63 37.9 26.2 39.2

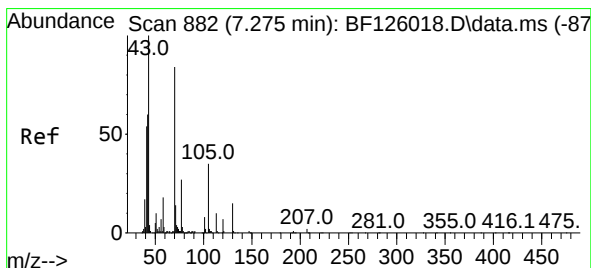
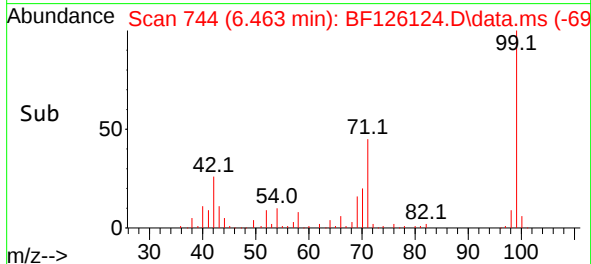
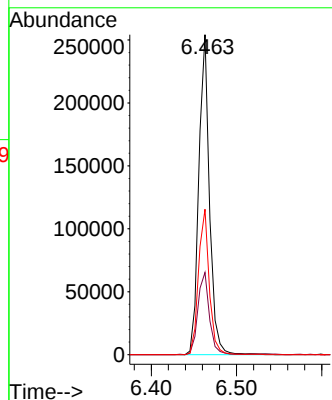
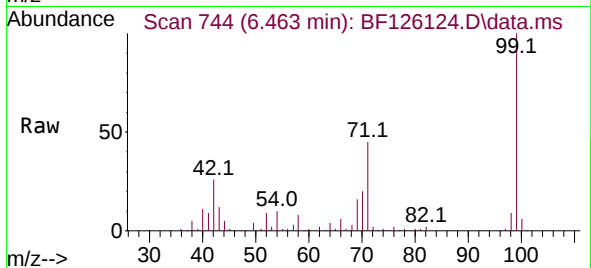




#7  
Phenol-d6  
Concen: 22.095 ng  
RT: 6.463 min Scan# 74  
Delta R.T. -0.024 min  
Lab File: BF126124.D  
Acq: 11 Nov 2021 13:45

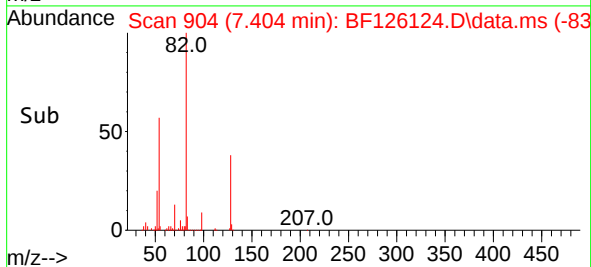
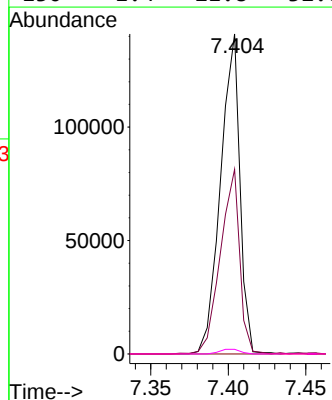
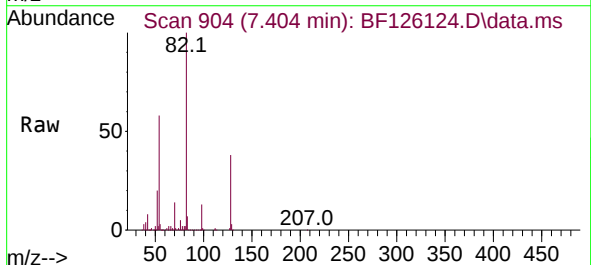
Instrument :  
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ClientSampleId :  
TW-1

Tgt Ion: 99 Resp: 221520  
Ion Ratio Lower Upper  
99 100  
42 25.7 23.5 35.3  
71 45.5 25.6 38.4#



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.530 ng  
RT: 7.404 min Scan# 904  
Delta R.T. 0.129 min  
Lab File: BF126124.D  
Acq: 11 Nov 2021 13:45

Tgt Ion: 70 Resp: 122473  
Ion Ratio Lower Upper  
70 100  
42 57.7 72.2 108.2#  
101 0.0 7.8 11.8#  
130 1.4 21.8 32.6#

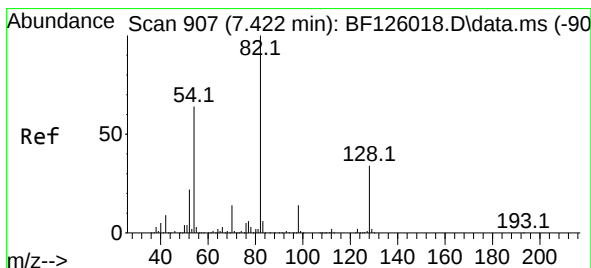
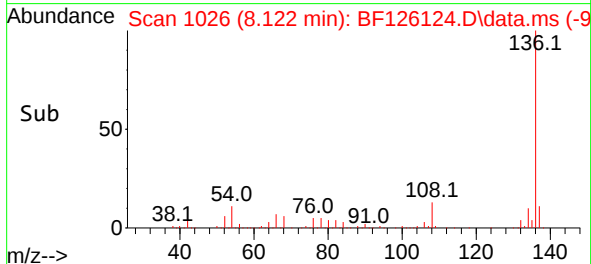
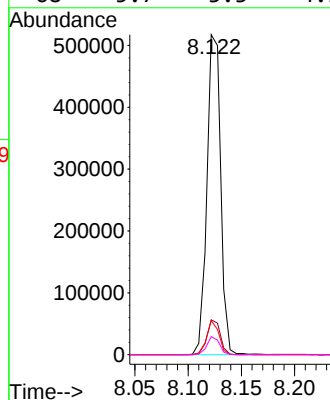
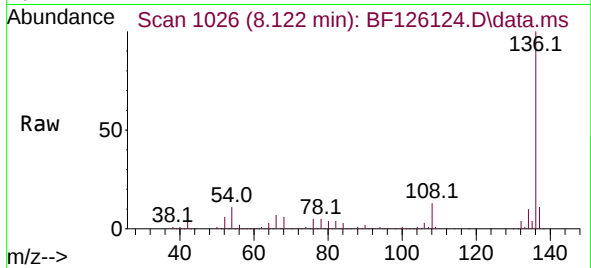




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 1026  
Delta R.T. -0.017 min  
Lab File: BF126124.D  
Acq: 11 Nov 2021 13:45

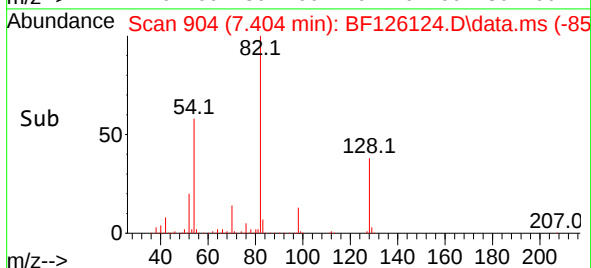
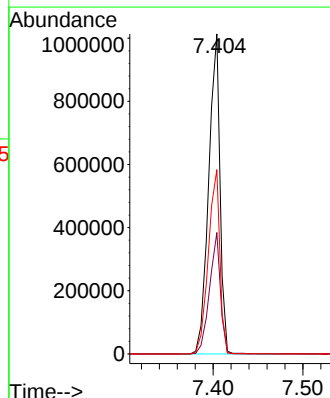
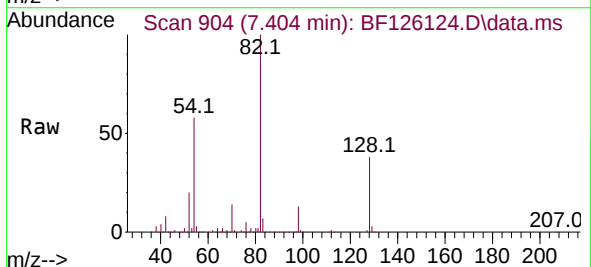
Instrument :  
BNA\_F  
ClientSampleId :  
TW-1

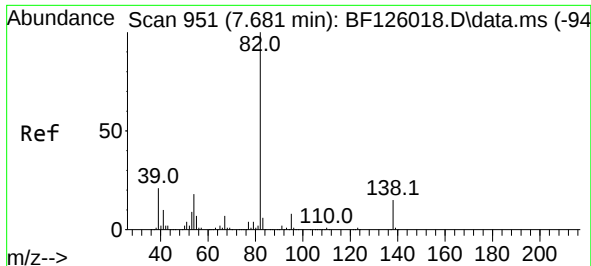
Tgt Ion:136 Resp: 466834  
Ion Ratio Lower Upper  
136 100  
137 10.9 9.8 14.6  
54 10.7 6.4 9.6#  
68 5.7 3.3 4.9#



#23  
Nitrobenzene-d5  
Concen: 89.746 ng  
RT: 7.404 min Scan# 904  
Delta R.T. -0.018 min  
Lab File: BF126124.D  
Acq: 11 Nov 2021 13:45

Tgt Ion: 82 Resp: 888383  
Ion Ratio Lower Upper  
82 100  
128 37.9 40.6 60.8#  
54 57.6 49.6 74.4

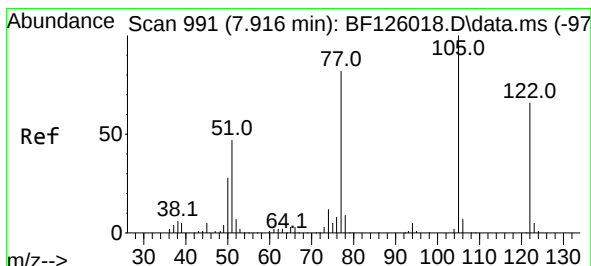
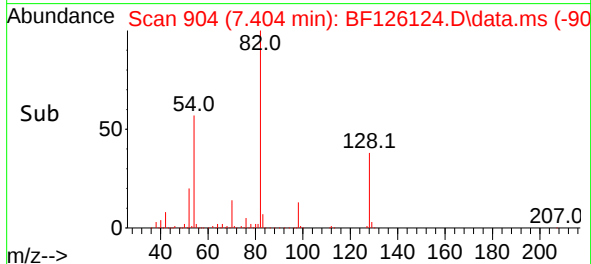
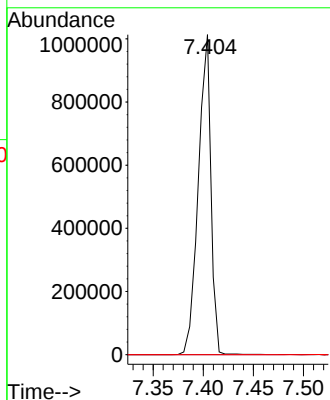
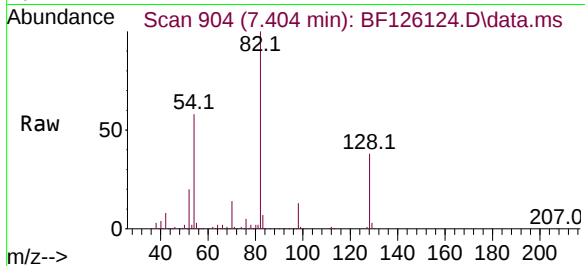




#25  
Isophorone  
Concen: 49.738 ng  
RT: 7.404 min Scan# 904  
Delta R.T. -0.277 min  
Lab File: BF126124.D  
Acq: 11 Nov 2021 13:45

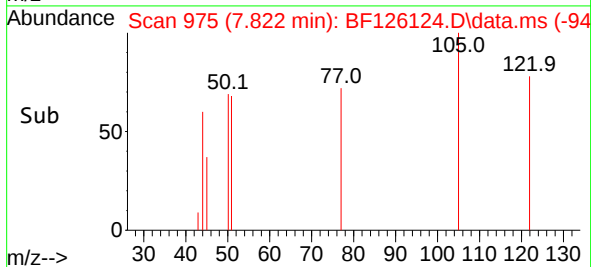
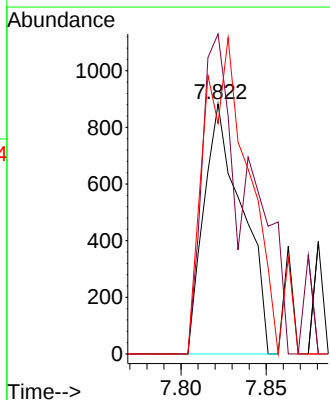
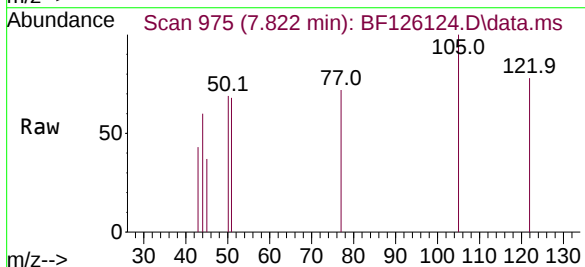
Instrument :  
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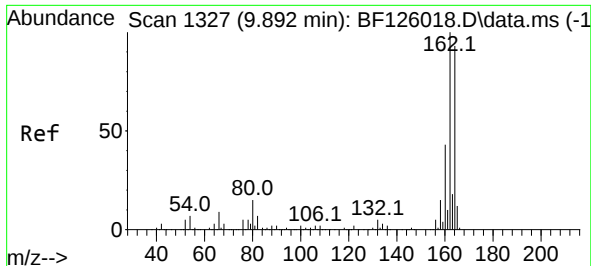
Tgt Ion: 82 Resp: 886449  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 18.4 27.6#



#32  
Benzoic acid  
Concen: 9.419 ng  
RT: 7.822 min Scan# 975  
Delta R.T. -0.094 min  
Lab File: BF126124.D  
Acq: 11 Nov 2021 13:45

Tgt Ion: 122 Resp: 1381  
Ion Ratio Lower Upper  
122 100  
105 128.0 97.6 137.6  
77 92.2 59.6 99.6

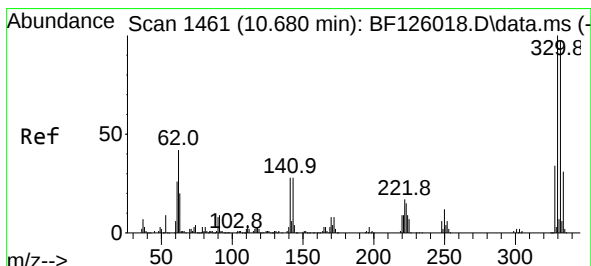
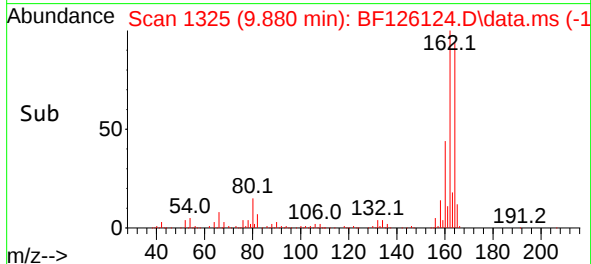
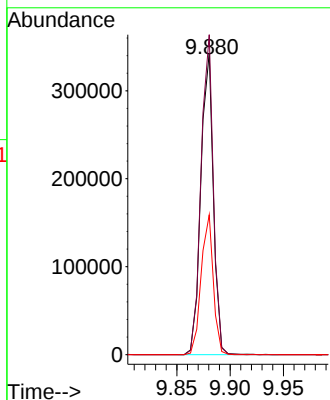
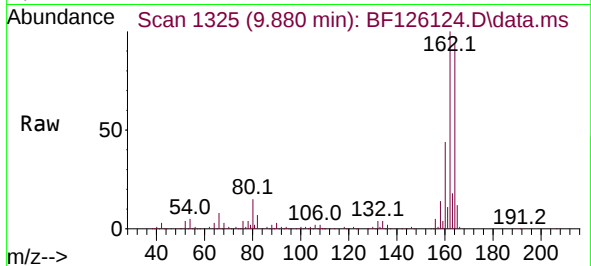




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.880 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF126124.D  
Acq: 11 Nov 2021 13:45

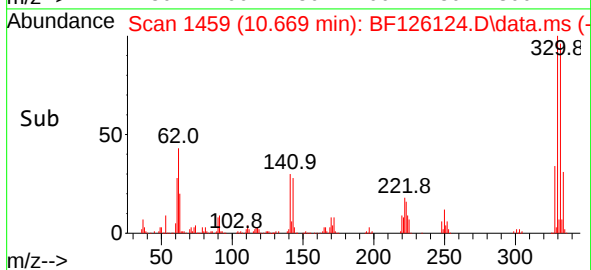
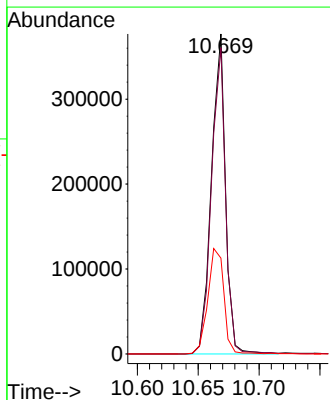
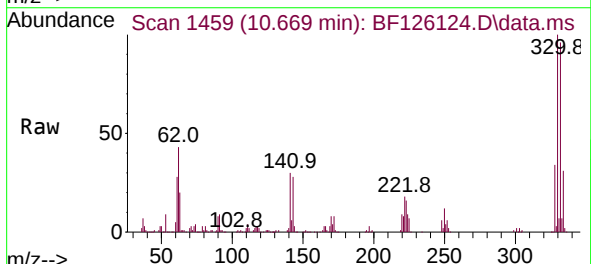
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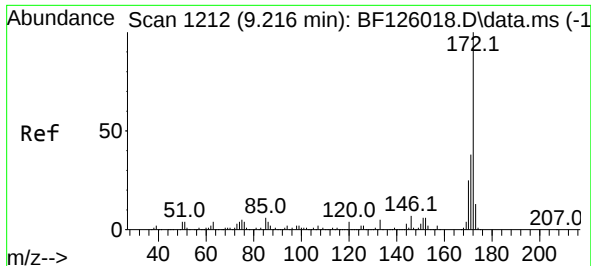
Tgt Ion:164 Resp: 280762  
Ion Ratio Lower Upper  
164 100  
162 106.2 81.3 121.9  
160 46.4 38.0 57.0



#42  
2,4,6-Tribromophenol  
Concen: 94.266 ng  
RT: 10.669 min Scan# 1459  
Delta R.T. -0.012 min  
Lab File: BF126124.D  
Acq: 11 Nov 2021 13:45

Tgt Ion:330 Resp: 303306  
Ion Ratio Lower Upper  
330 100  
332 96.3 76.2 114.4  
141 37.8 44.6 66.8#





#45

2-Fluorobiphenyl

Concen: 76.426 ng

RT: 9.204 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF126124.D

Acq: 11 Nov 2021 13:45

Instrument :

BNA\_F

ClientSampleId :

TW-1

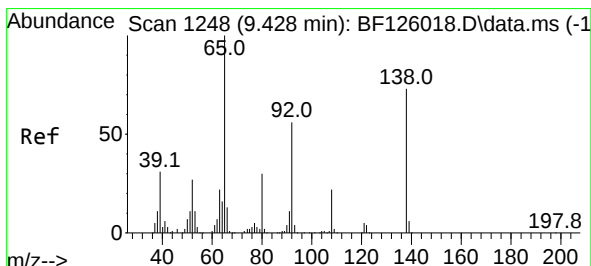
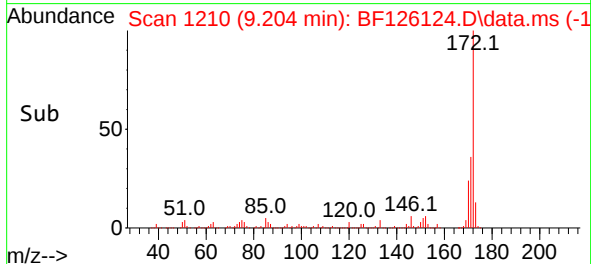
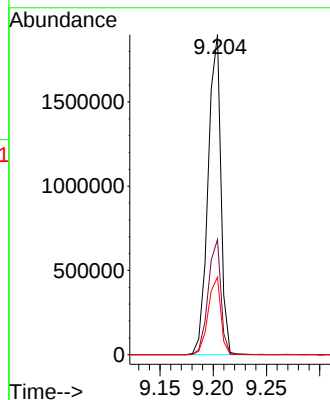
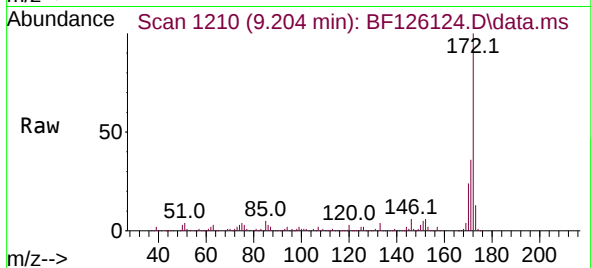
Tgt Ion:172 Resp: 1587836

Ion Ratio Lower Upper

172 100

171 36.0 26.5 39.7

170 24.3 18.8 28.2



#48

2-Nitroaniline

Concen: 3.403 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.224 min

Lab File: BF126124.D

Acq: 11 Nov 2021 13:45

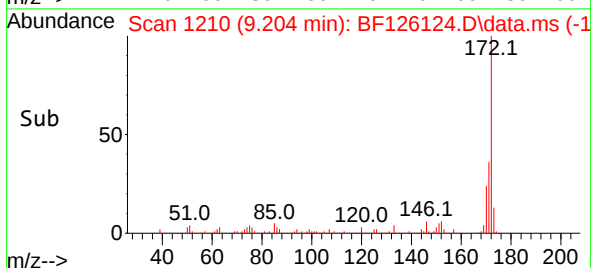
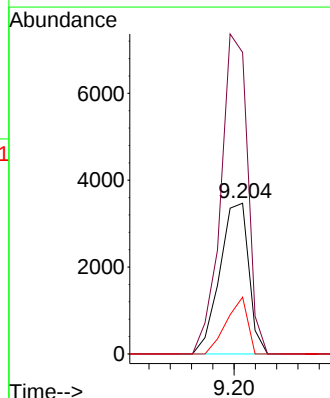
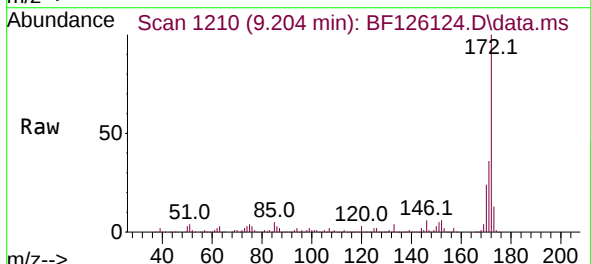
Tgt Ion: 65 Resp: 3291

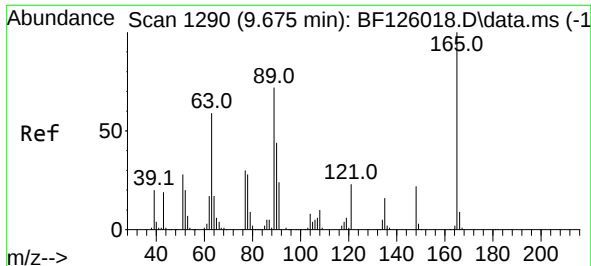
Ion Ratio Lower Upper

65 100

92 200.2 55.5 83.3#

138 37.7 93.5 140.3#

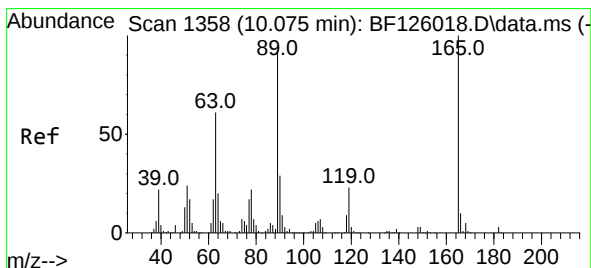
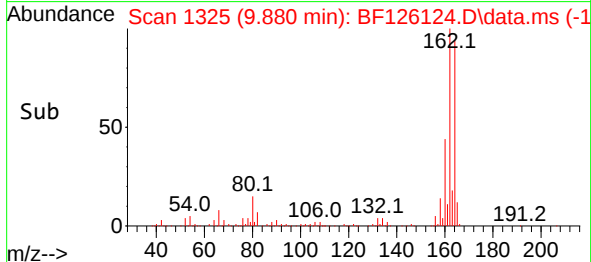
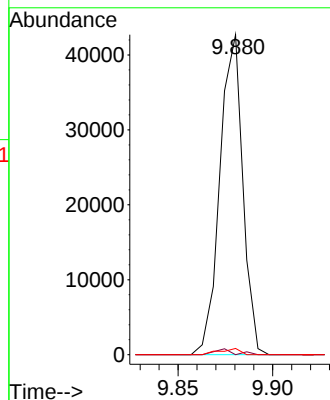
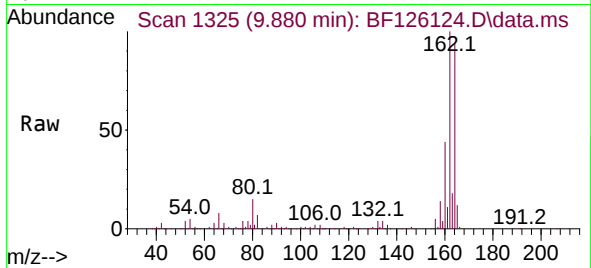




#51  
2,6-Dinitrotoluene  
Concen: 10.253 ng  
RT: 9.880 min Scan# 11  
Delta R.T. 0.205 min  
Lab File: BF126124.D  
Acq: 11 Nov 2021 13:45

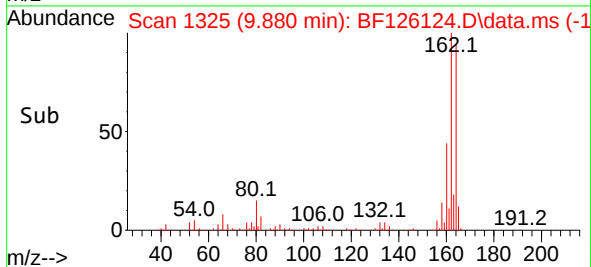
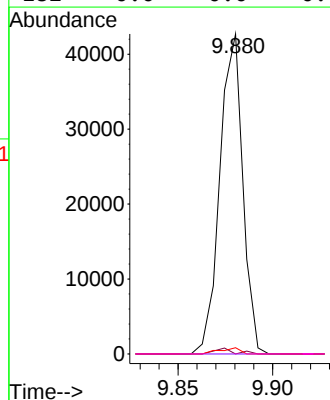
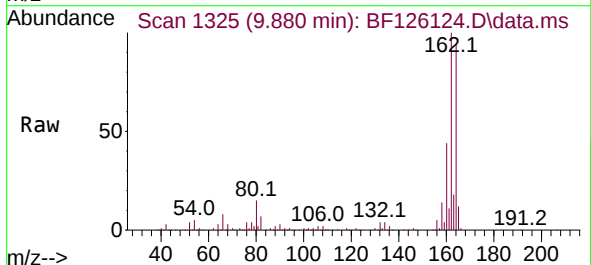
Instrument :  
BNA\_F  
ClientSampleId :  
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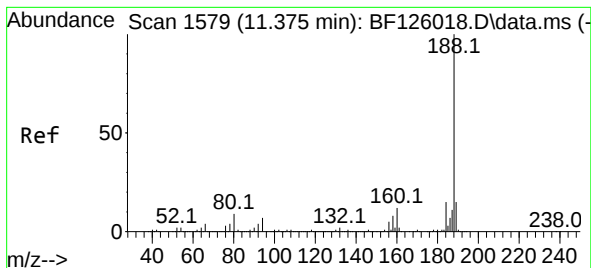
Tgt Ion:165 Resp: 35923  
Ion Ratio Lower Upper  
165 100  
63 0.0 42.6 63.8#  
89 1.9 40.6 60.8#



#57  
2,4-Dinitrotoluene  
Concen: 9.813 ng  
RT: 9.880 min Scan# 1325  
Delta R.T. -0.195 min  
Lab File: BF126124.D  
Acq: 11 Nov 2021 13:45

Tgt Ion:165 Resp: 35923  
Ion Ratio Lower Upper  
165 100  
63 0.0 40.9 61.3#  
89 1.9 59.7 89.5#  
182 0.0 0.0 0.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF126124.D

Acq: 11 Nov 2021 13:45

Instrument :

BNA\_F

ClientSampleId :

TW-1

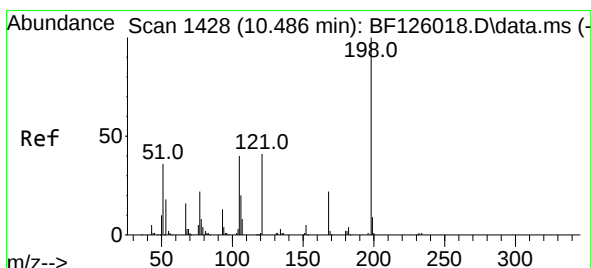
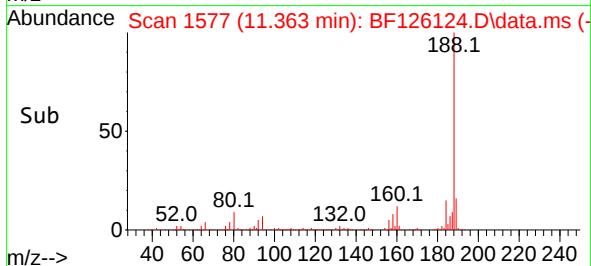
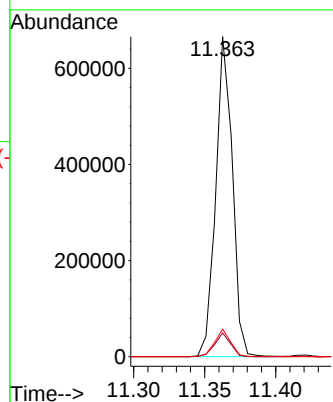
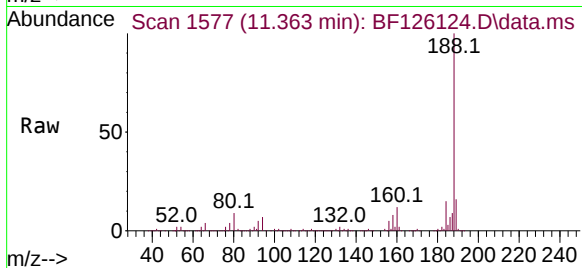
Tgt Ion:188 Resp: 540628

Ion Ratio Lower Upper

188 100

94 7.4 6.7 10.1

80 8.6 7.5 11.3



#65

4,6-Dinitro-2-methylphenol

Concen: 8.559 ng

RT: 10.669 min Scan# 1459

Delta R.T. 0.183 min

Lab File: BF126124.D

Acq: 11 Nov 2021 13:45

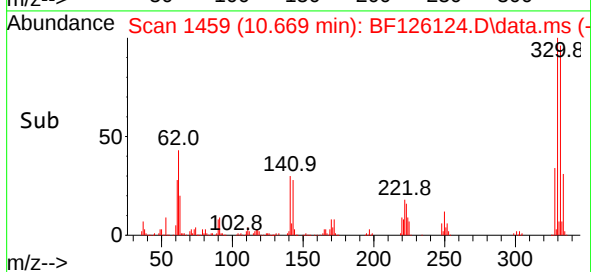
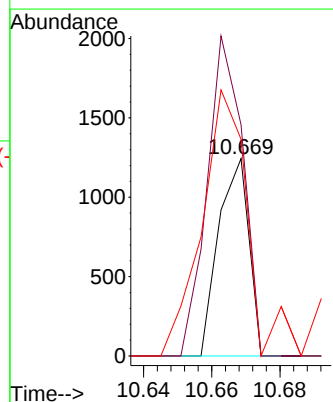
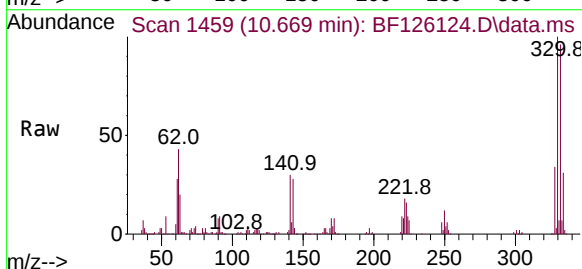
Tgt Ion:198 Resp: 764

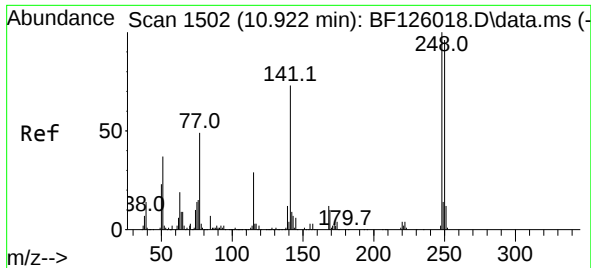
Ion Ratio Lower Upper

198 100

51 117.1 45.3 85.3#

105 109.7 30.6 70.6#

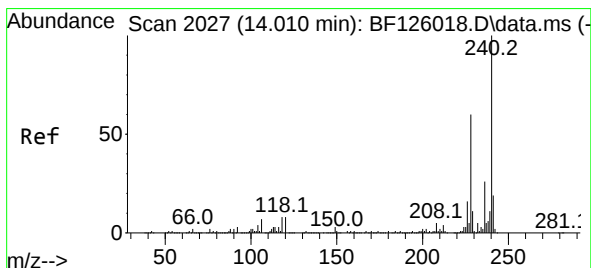
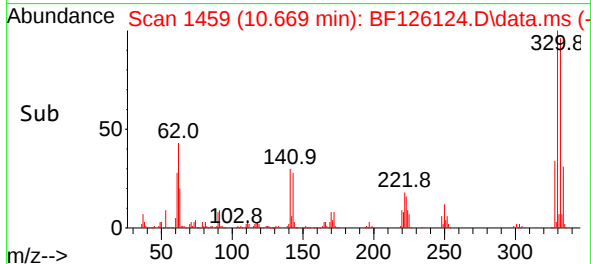
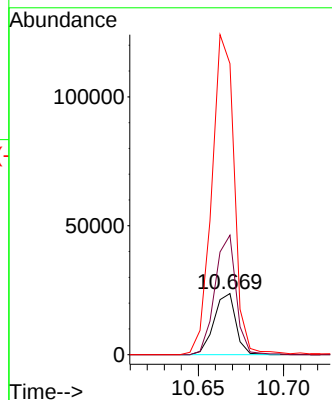
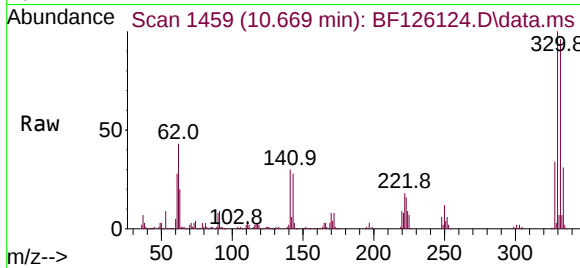




#67  
4-Bromophenyl-phenylether  
Concen: 3.231 ng  
RT: 10.669 min Scan# 14  
Delta R.T. -0.253 min  
Lab File: BF126124.D  
Acq: 11 Nov 2021 13:45

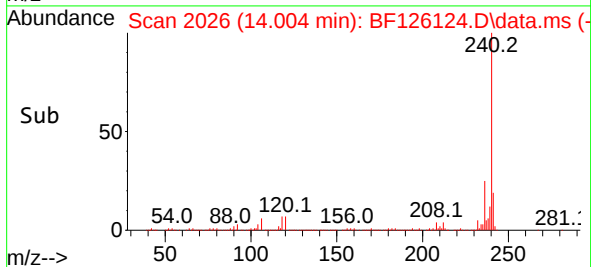
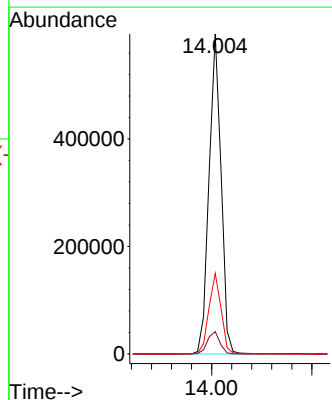
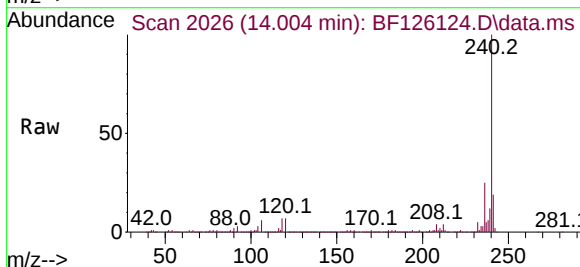
Instrument :  
BNA\_F  
ClientSampleId :  
TW-1

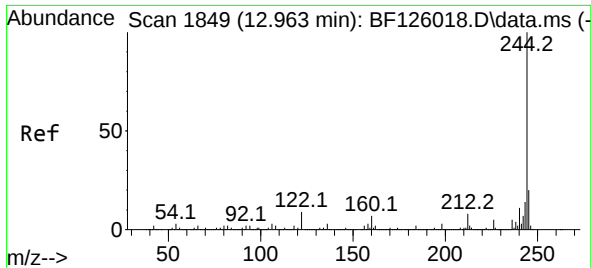
Tgt Ion:248 Resp: 21155  
Ion Ratio Lower Upper  
248 100  
250 195.4 74.2 111.4#  
141 475.7 60.4 90.6#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.004 min Scan# 2026  
Delta R.T. -0.006 min  
Lab File: BF126124.D  
Acq: 11 Nov 2021 13:45

Tgt Ion:240 Resp: 498310  
Ion Ratio Lower Upper  
240 100  
120 7.0 10.8 16.2#  
236 25.2 21.6 32.4

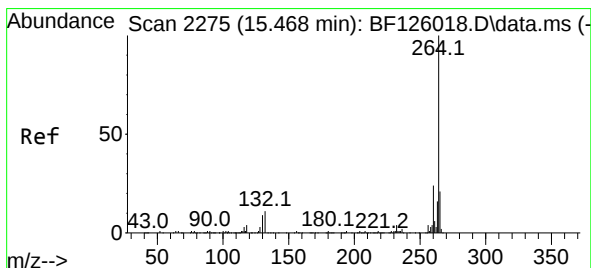
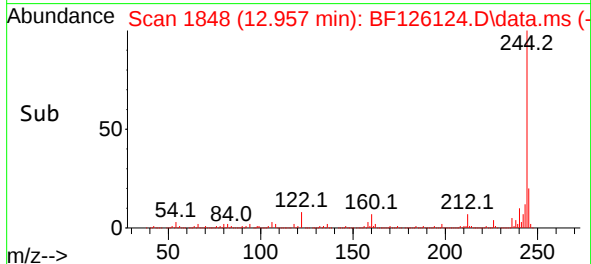
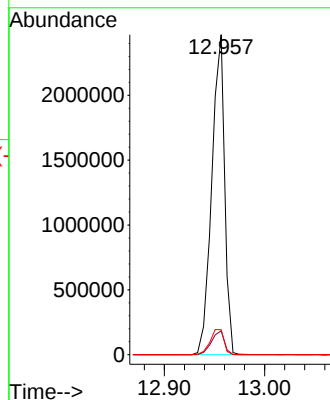
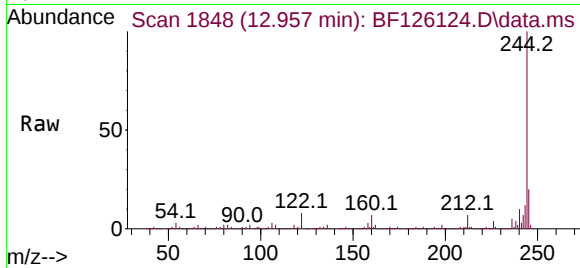




#79  
 Terphenyl-d14  
 Concen: 71.251 ng  
 RT: 12.957 min Scan# 1848  
 Delta R.T. -0.006 min  
 Lab File: BF126124.D  
 Acq: 11 Nov 2021 13:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TW-1

Tgt Ion:244 Resp: 2201809  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 5.9 8.9  
 122 7.8 9.0 13.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.468 min Scan# 2275  
 Delta R.T. 0.000 min  
 Lab File: BF126124.D  
 Acq: 11 Nov 2021 13:45

Tgt Ion:264 Resp: 412917  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 19.6 29.4  
 265 21.2 17.2 25.8

