

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092220\  
 Data File : BF121656.D  
 Acq On : 22 Sep 2020 23:27  
 Operator : JU/CG  
 Sample : L3864-15  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-092120

Quant Time: Sep 23 01:10:25 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 22 17:53:26 2020  
 Response via : Initial Calibration

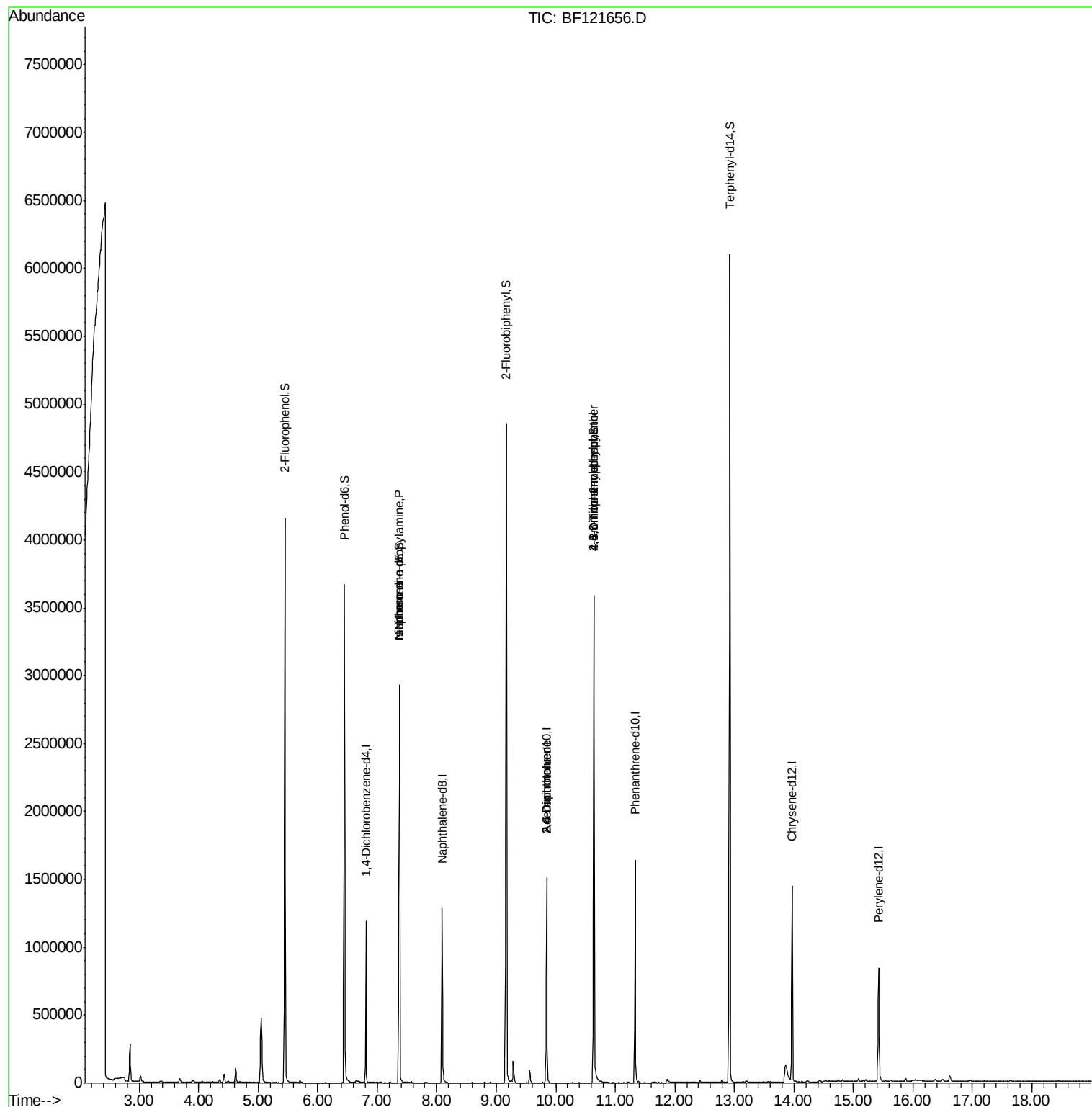
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.81  | 152  | 152041   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.09  | 136  | 595489   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.85  | 164  | 318361   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.33 | 188  | 622285   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.97 | 240  | 519903   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.42 | 264  | 385877   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.45  | 112  | 1150113  | 112.42 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.45  | 99   | 1394981  | 103.93 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.37  | 82   | 1126369  | 101.56 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.64 | 330  | 594455   | 150.24 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.17  | 172  | 1945788  | 92.57  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.93 | 244  | 2293168  | 89.36  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.37  | 70   | 151602   | 19.598 | ng    | # 79     |
| 25) Isophorone                 | 7.37  | 82   | 1115609  | 49.969 | ng    | # 67     |
| 51) 2,6-Dinitrotoluene         | 9.85  | 165  | 40181    | 8.177  | ng    | # 23     |
| 57) 2,4-Dinitrotoluene         | 9.85  | 165  | 40181    | 6.499  | ng    | # 23     |
| 65) 4,6-Dinitro-2-methylphenol | 10.64 | 198  | 1059     | 7.090  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether  | 10.64 | 248  | 34263    | 4.836  | ng    | # 1      |

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

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Misc :  
ALS Vial : 14 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :  
CL-02-092120

Quant Time: Sep 23 01:10:25 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 22 17:53:26 2020  
Response via : Initial Calibration



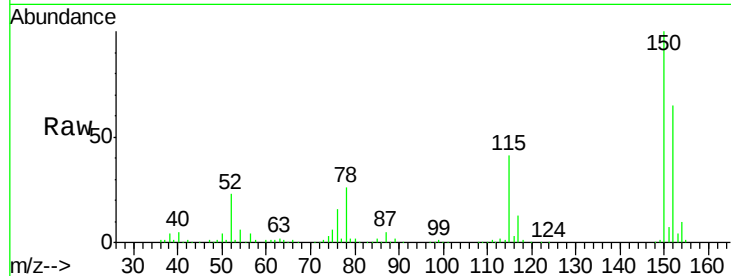


#1

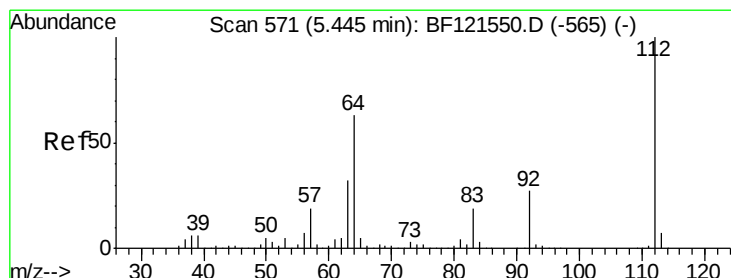
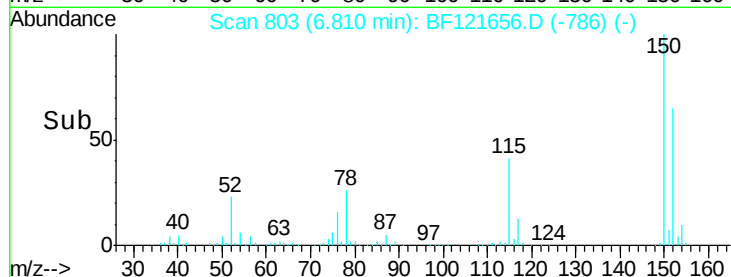
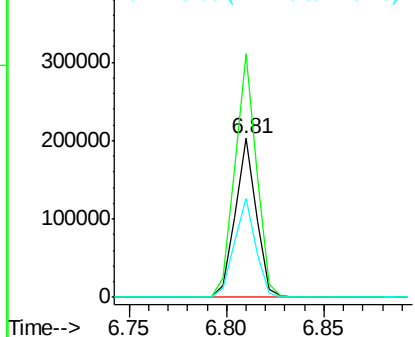
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.81 min Scan# 803  
Delta R.T. 0.00 min  
Lab File: BF121656.D  
Acq: 22 Sep 2020 23:27

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-092120

Tot Ion:152 Resp: 152041  
Ion Ratio Lower Upper  
152 100  
150 153.3 128.1 192.1  
115 62.6 52.6 79.0



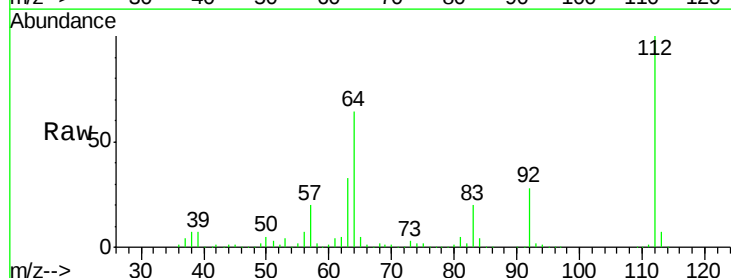
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



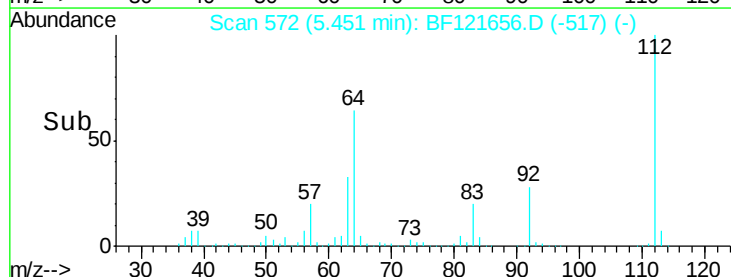
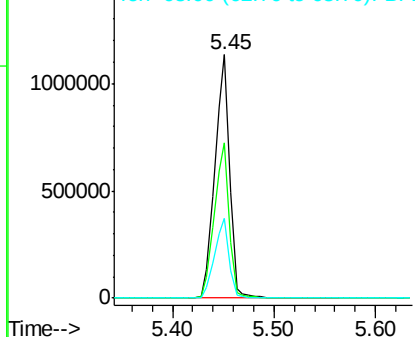
#5

2-Fluorophenol  
Concen: 112.418 ng  
RT: 5.45 min Scan# 572  
Delta R.T. 0.02 min  
Lab File: BF121656.D  
Acq: 22 Sep 2020 23:27

Tgt Ion:112 Resp: 1150113  
Ion Ratio Lower Upper  
112 100  
64 63.6 52.2 78.2  
63 32.8 26.6 39.8



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 103.932 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF121656.D

Acq: 22 Sep 2020 23:27

Instrument :

BNA\_F

ClientSampleId :

CL-02-092120

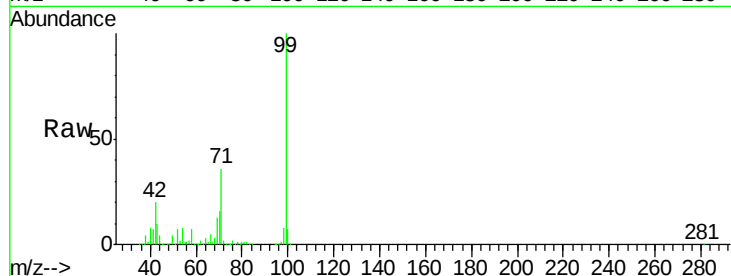
Tot Ion: 99 Resp: 1394981

Ion Ratio Lower Upper

99 100

42 20.0 15.5 23.3

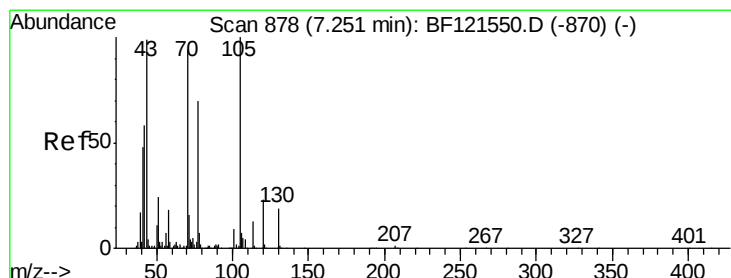
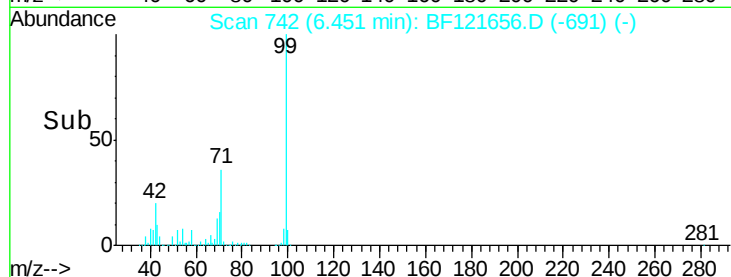
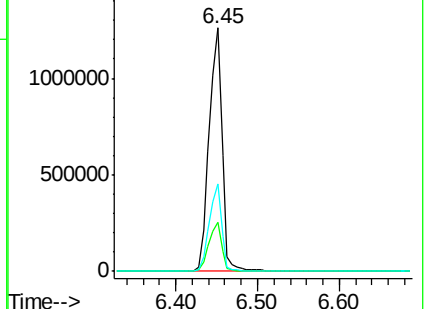
71 36.0 27.4 41.2



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 19.598 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF121656.D

Acq: 22 Sep 2020 23:27

Tgt Ion: 70 Resp: 151602

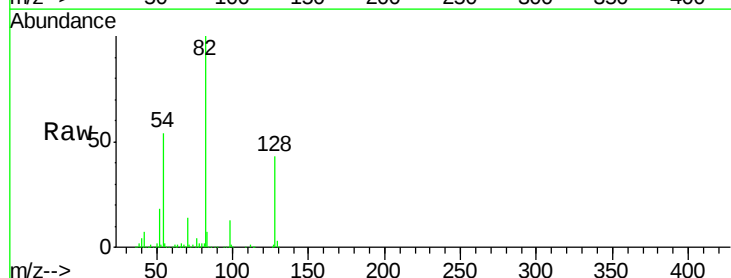
Ion Ratio Lower Upper

70 100

42 50.3 48.3 72.5

101 0.0 7.6 11.4#

130 1.7 15.9 23.9#

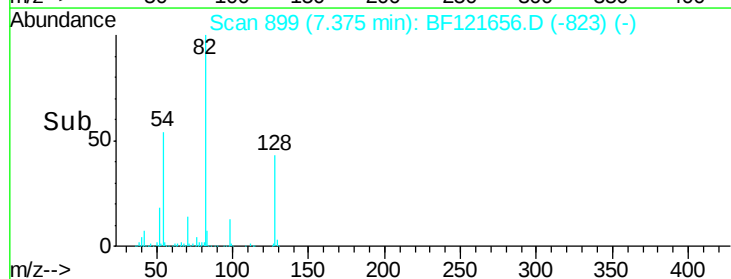
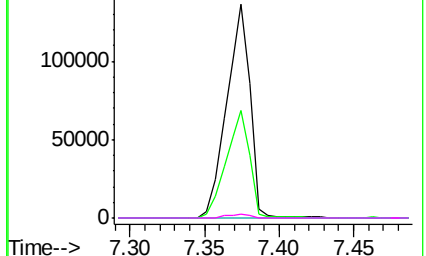


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

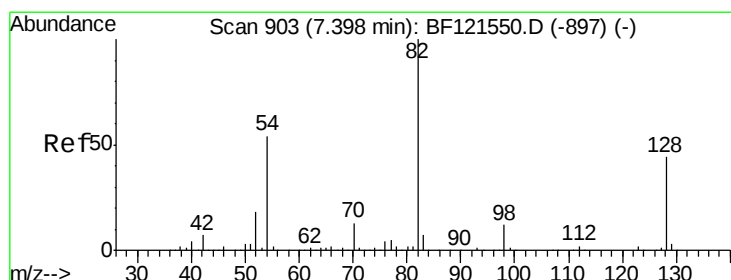
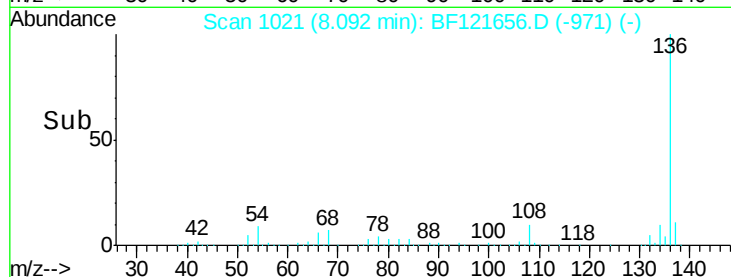
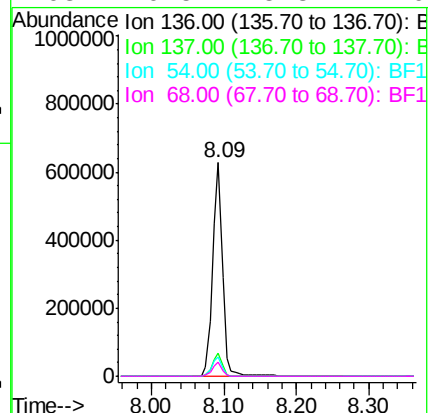
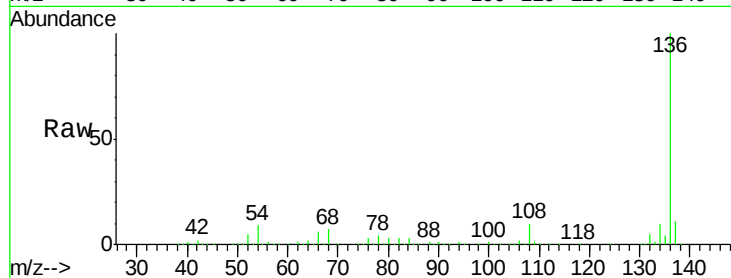




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.09 min Scan# 1021  
Delta R.T. -0.01 min  
Lab File: BF121656.D  
Acq: 22 Sep 2020 23:27

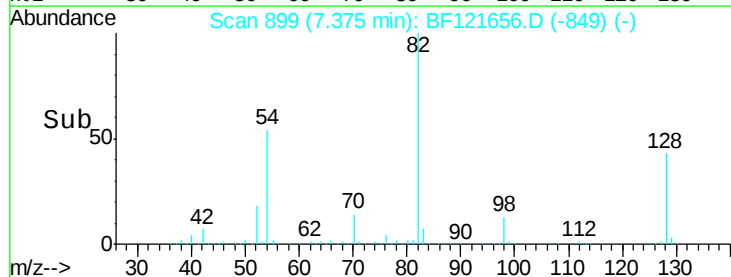
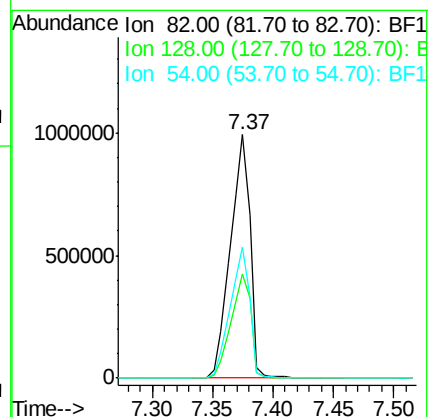
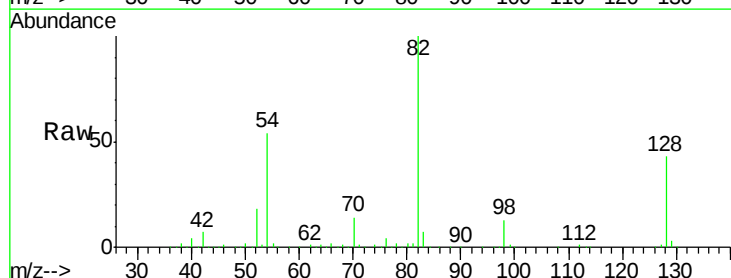
Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-092120

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 595489      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.8  | 8.9 13.3    |
| 54          | 8.8   | 7.4 11.0    |
| 68          | 6.5   | 5.3 7.9     |



#23  
Nitrobenzene-d5  
Concen: 101.558 ng  
RT: 7.37 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: BF121656.D  
Acq: 22 Sep 2020 23:27

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 1126369     |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 42.7  | 33.9 50.9   |
| 54          | 53.7  | 42.9 64.3   |





#25

Isophorone

Concen: 49.969 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF121656.D

Acq: 22 Sep 2020 23:27

Instrument :

BNA\_F

ClientSampleId :

CL-02-092120

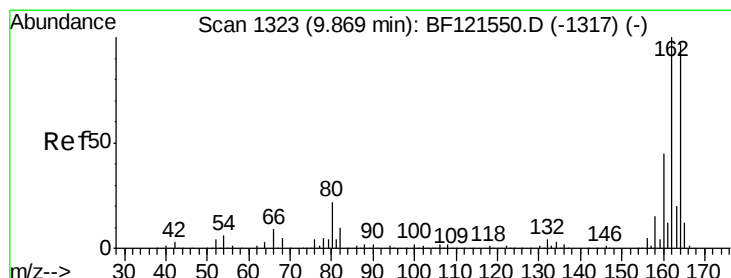
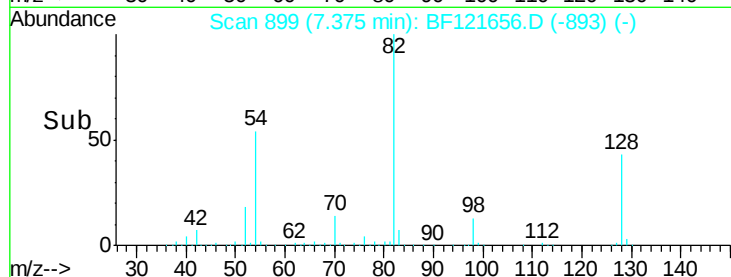
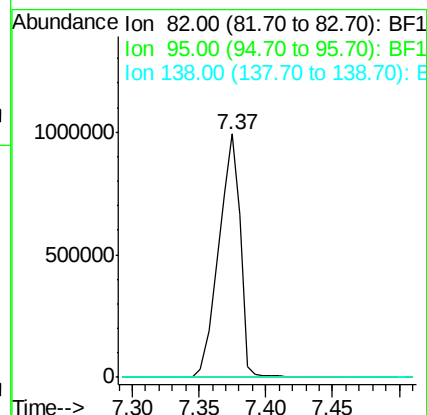
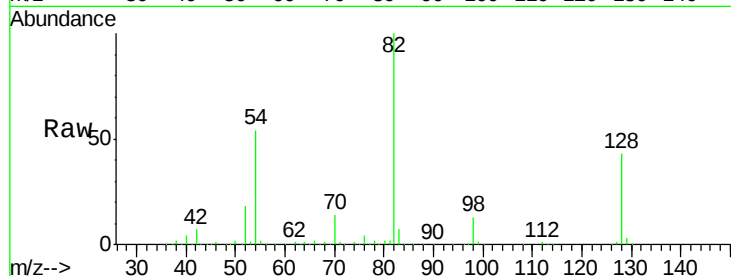
Tot Ion: 82 Resp: 1115609

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 13.2 19.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF121656.D

Acq: 22 Sep 2020 23:27

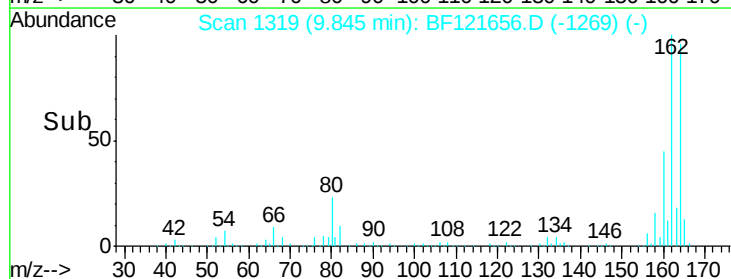
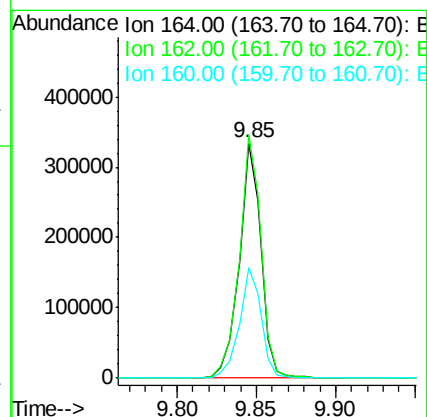
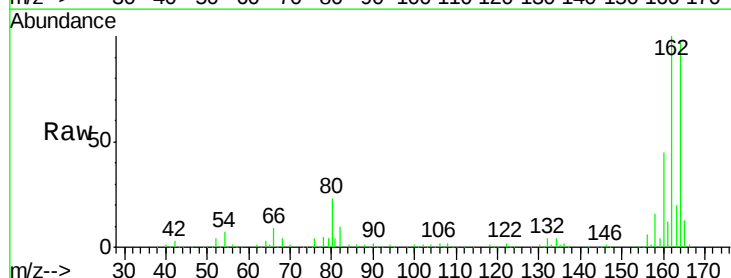
Tgt Ion:164 Resp: 318361

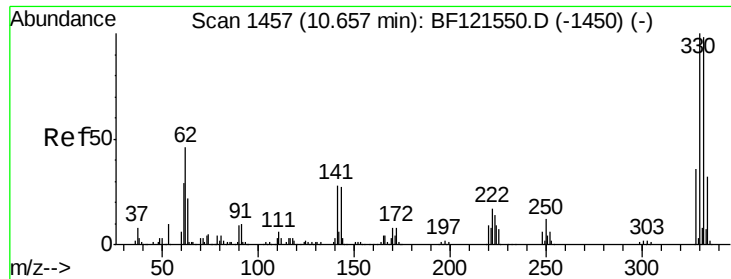
Ion Ratio Lower Upper

164 100

162 103.6 81.2 121.8

160 46.8 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 150.236 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF121656.D

Acq: 22 Sep 2020 23:27

Instrument :

BNA\_F

ClientSampleId :

CL-02-092120

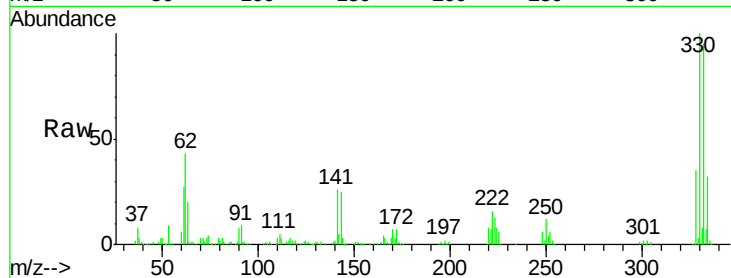
Tot Ion:330 Resp: 594455

Ion Ratio Lower Upper

330 100

332 95.5 76.9 115.3

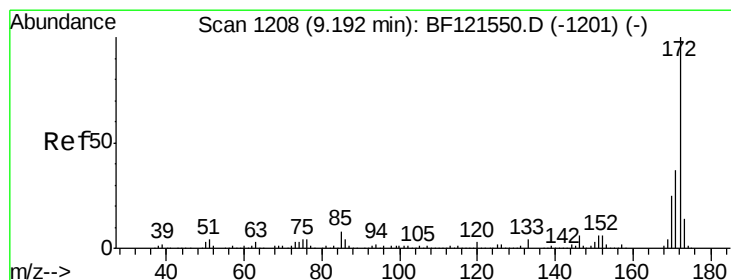
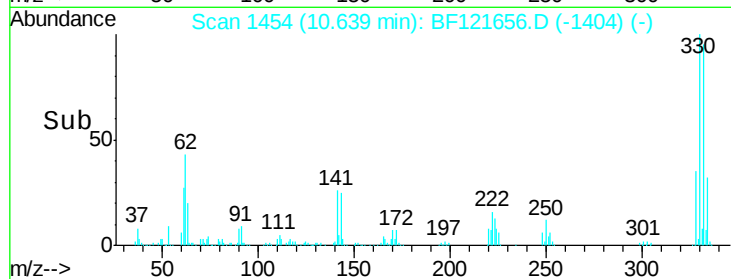
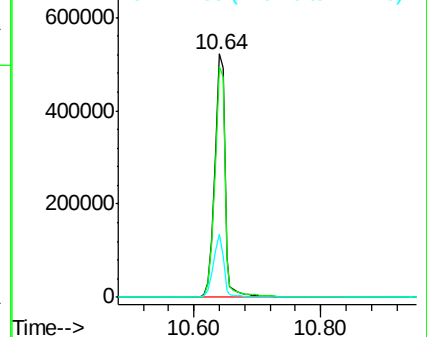
141 26.4 22.4 33.6



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 92.566 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF121656.D

Acq: 22 Sep 2020 23:27

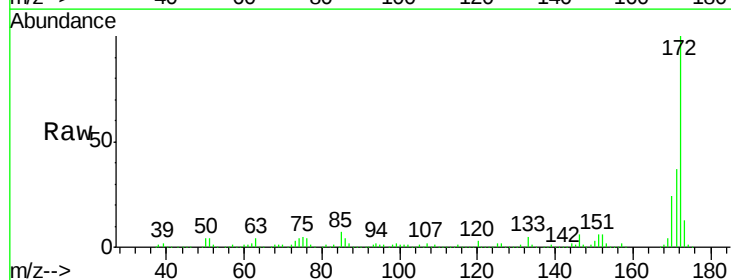
Tgt Ion:172 Resp: 1945788

Ion Ratio Lower Upper

172 100

171 36.7 29.3 43.9

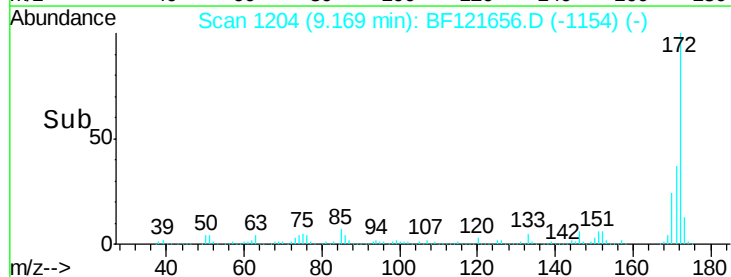
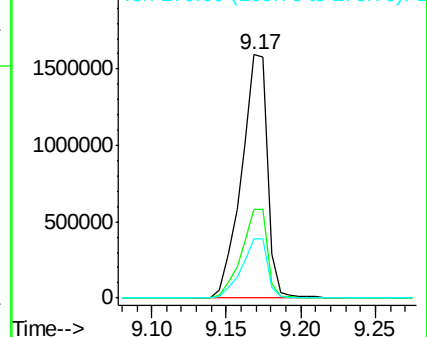
170 24.4 19.5 29.3

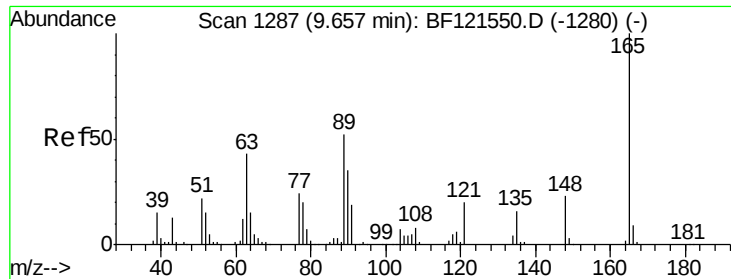


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

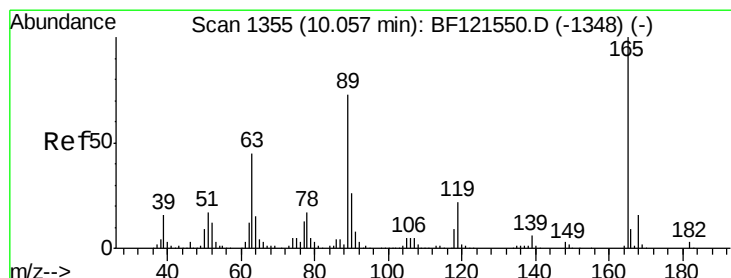
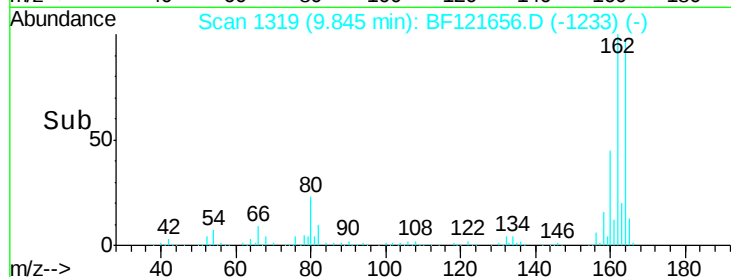
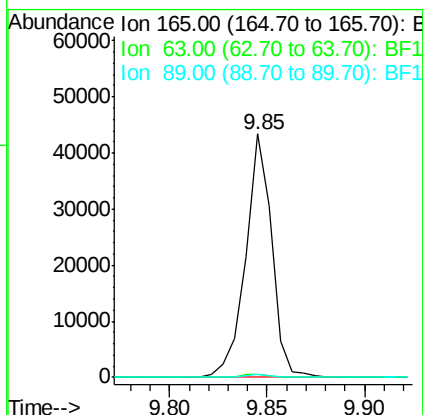
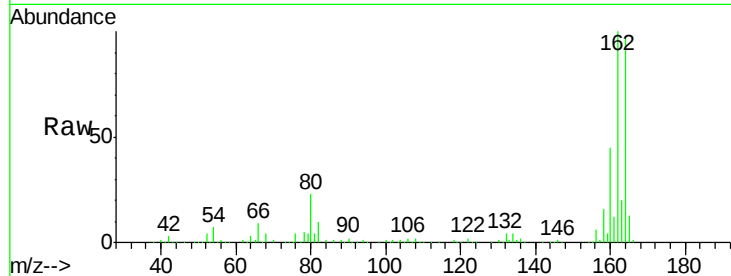




#51  
 2,6-Dinitrotoluene  
 Concen: 8.177 ng  
 RT: 9.85 min Scan# 1319  
 Delta R.T. 0.21 min  
 Lab File: BF121656.D  
 Acq: 22 Sep 2020 23:27

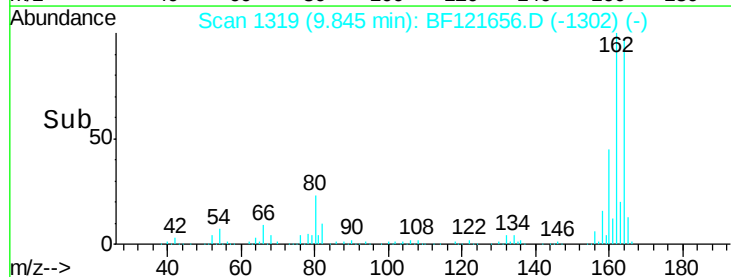
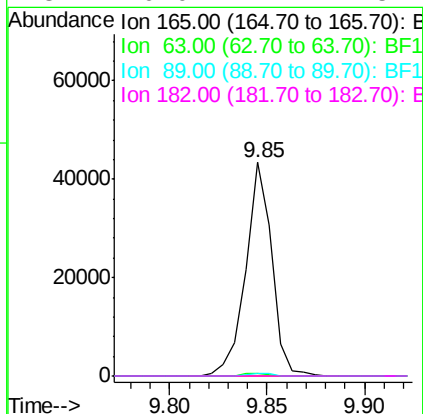
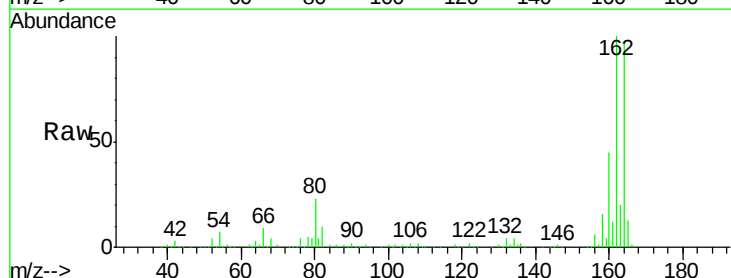
Instrument :  
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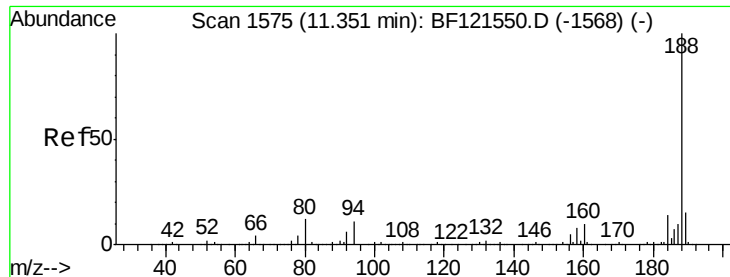
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 47.6  | 71.4# |
| 89      | 1.4   | 46.0  | 69.0# |



#57  
 2,4-Dinitrotoluene  
 Concen: 6.499 ng  
 RT: 9.85 min Scan# 1319  
 Delta R.T. -0.20 min  
 Lab File: BF121656.D  
 Acq: 22 Sep 2020 23:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 36.7  | 55.1# |
| 89      | 1.4   | 57.7  | 86.5# |
| 182     | 0.0   | 2.1   | 3.1#  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF121656.D

Acq: 22 Sep 2020 23:27

Instrument :

BNA\_F

ClientSampleId :

CL-02-092120

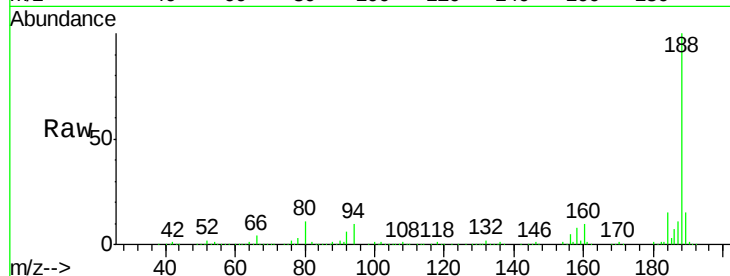
Tot Ion:188 Resp: 622285

Ion Ratio Lower Upper

188 100

94 10.4 8.4 12.6

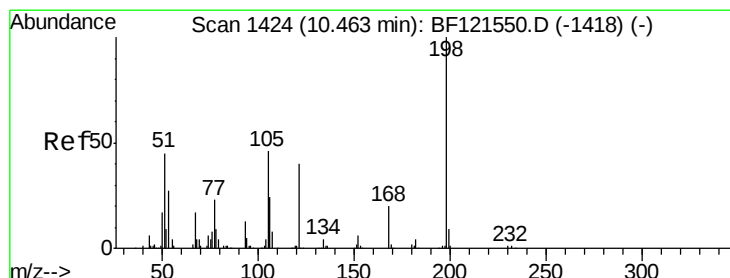
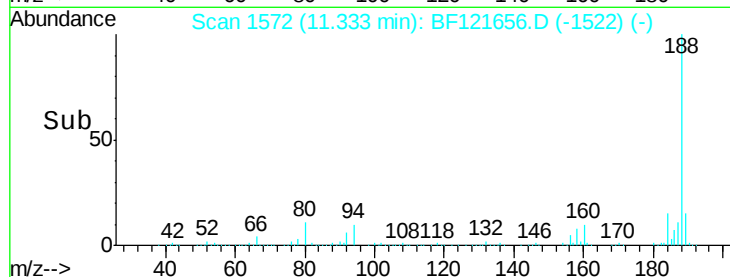
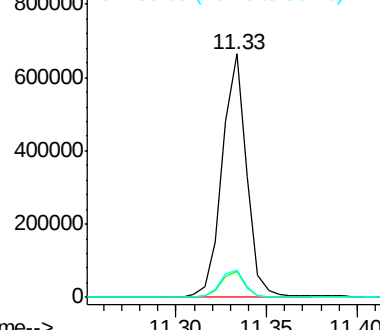
80 11.1 9.0 13.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.090 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.19 min

Lab File: BF121656.D

Acq: 22 Sep 2020 23:27

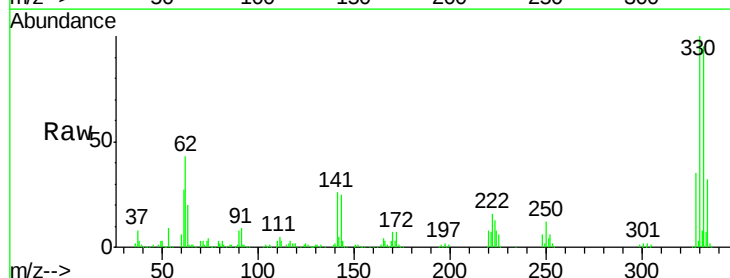
Tgt Ion:198 Resp: 1059

Ion Ratio Lower Upper

198 100

51 207.5 20.3 60.3#

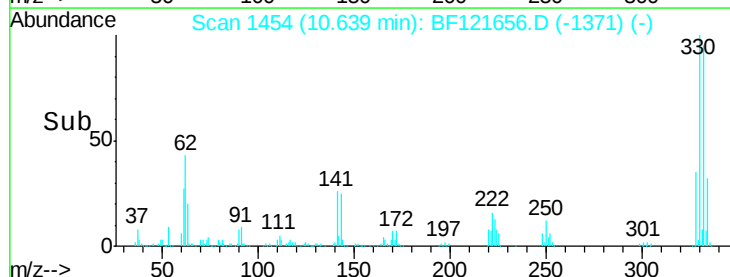
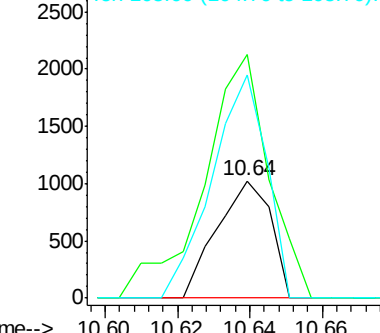
105 190.4 20.2 60.2#

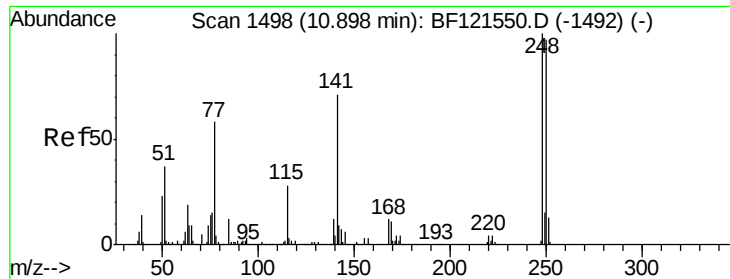


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

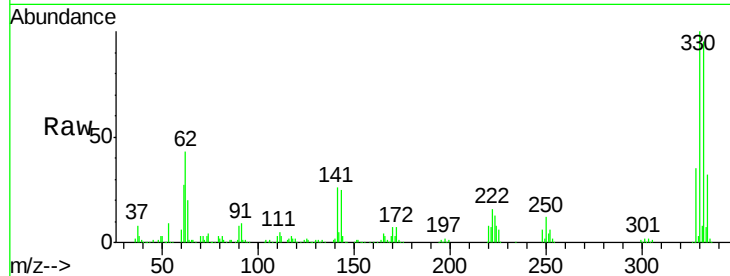




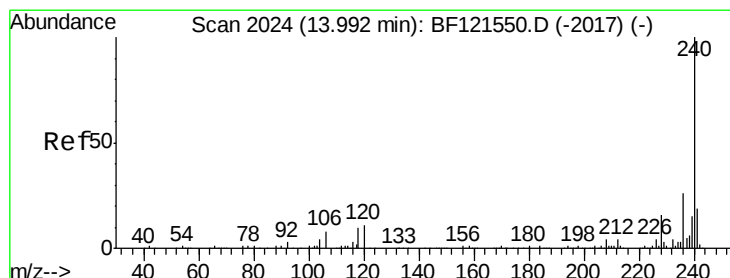
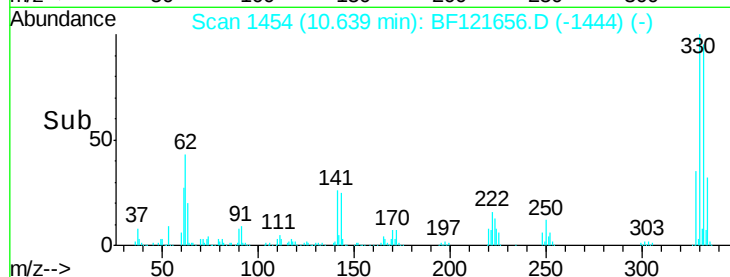
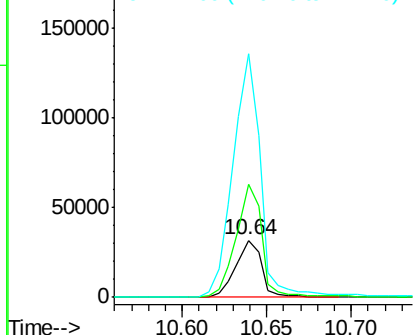
#67  
4-Bromophenyl-phenylether  
Concen: 4.836 ng  
RT: 10.64 min Scan# 1454  
Delta R.T. -0.24 min  
Lab File: BF121656.D  
Acq: 22 Sep 2020 23:27

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-092120

Tot Ion:248 Resp: 34263  
Ion Ratio Lower Upper  
248 100  
250 198.1 79.4 119.0#  
141 428.8 52.2 78.4#

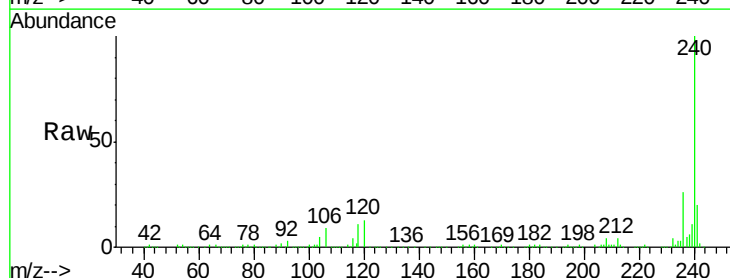


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

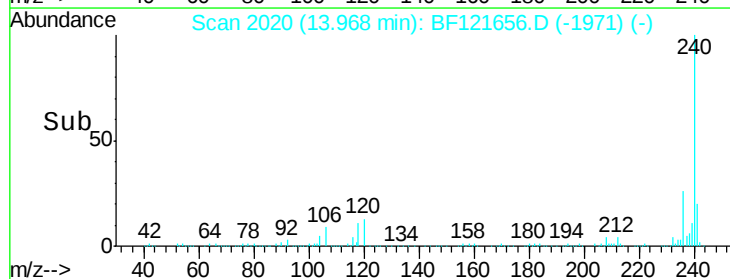
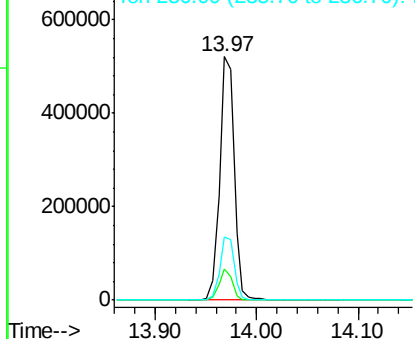


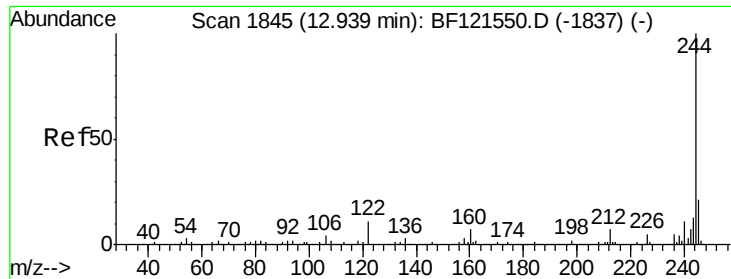
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.97 min Scan# 2020  
Delta R.T. -0.01 min  
Lab File: BF121656.D  
Acq: 22 Sep 2020 23:27

Tgt Ion:240 Resp: 519903  
Ion Ratio Lower Upper  
240 100  
120 12.9 9.2 13.8  
236 26.1 20.4 30.6



Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 89.358 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF121656.D

Acq: 22 Sep 2020 23:27

Instrument :

BNA\_F

ClientSampleId :

CL-02-092120

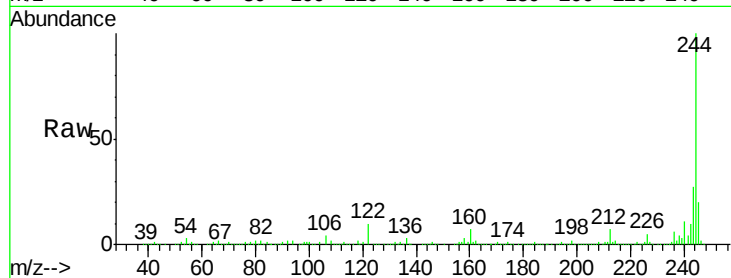
Tot Ion:244 Resp: 2293168

Ion Ratio Lower Upper

244 100

212 7.3 5.5 8.3

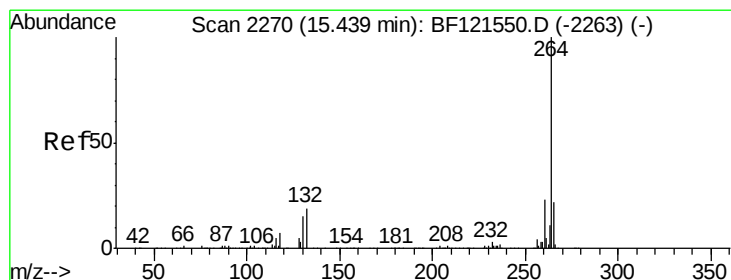
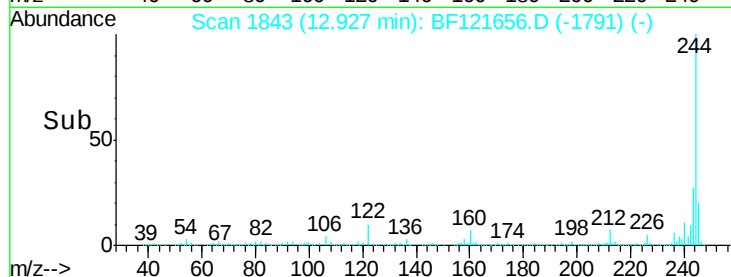
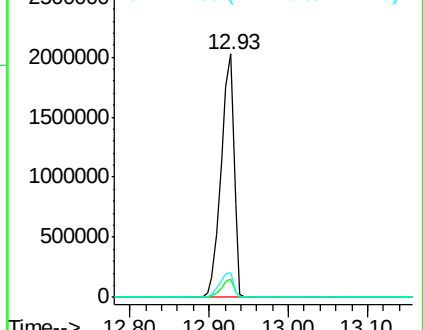
122 10.2 7.4 11.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.01 min

Lab File: BF121656.D

Acq: 22 Sep 2020 23:27

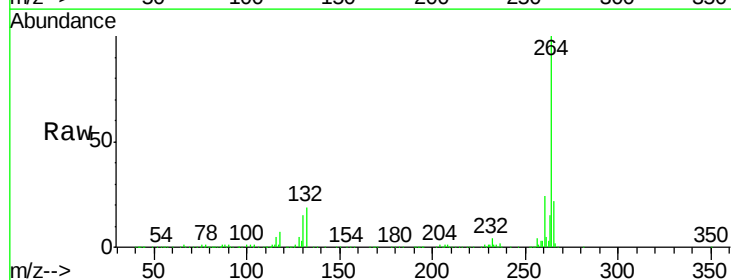
Tgt Ion:264 Resp: 385877

Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

265 21.6 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

