

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\  
 Data File : BF121470.D  
 Acq On : 28 Aug 2020 20:34  
 Operator : JU/CG  
 Sample : L3837-09  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 789UMR-TP05-3036-01

Quant Time: Aug 29 00:36:19 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 28 09:25:49 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.86  | 152  | 313577   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.14  | 136  | 1210713  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.90  | 164  | 641174   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.38 | 188  | 1203206  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.02 | 240  | 850517   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.49 | 264  | 769231   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.47  | 112  | 1392655  | 74.51 | ng    | 0.00     |
| 7) Phenol-d6                | 6.48  | 99   | 1875506  | 71.81 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 1241938  | 70.13 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.68 | 330  | 457261   | 70.61 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.22  | 172  | 2278217  | 57.33 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.97 | 244  | 2305288  | 57.05 | ng    | 0.00     |

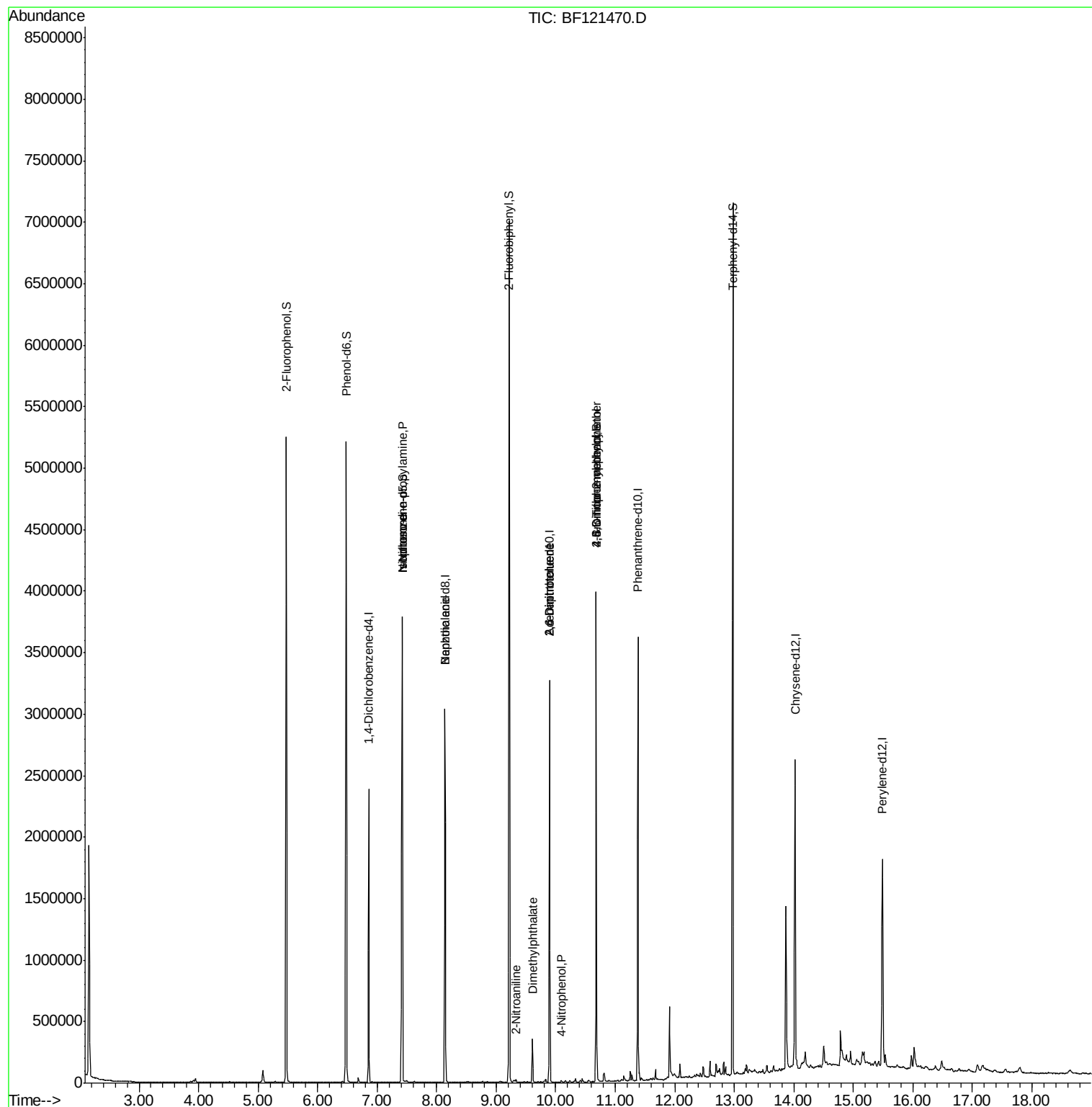
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 9) Benzaldehyde                | 6.40  | 77   | 338      | Below Cal |       | # 81   |
| 19) n-Nitroso-di-n-propylamine | 7.42  | 70   | 166724   | 11.422    | ng    | # 78   |
| 25) Isophorone                 | 7.42  | 82   | 1241640  | 31.172    | ng    | # 64   |
| 32) Benzoic acid               | 8.14  | 122  | 298      | 6.697     | ng    | # 1    |
| 48) 2-Nitroaniline             | 9.33  | 65   | 174      | 6.661     | ng    | # 5    |
| 50) Dimethylphthalate          | 9.61  | 163  | 126547   | 2.873     | ng    | 97     |
| 51) 2,6-Dinitrotoluene         | 9.90  | 165  | 82331    | 15.059    | ng    | # 24   |
| 56) 4-Nitrophenol              | 10.10 | 139  | 642      | 7.924     | ng    | # 6    |
| 57) 2,4-Dinitrotoluene         | 9.90  | 165  | 82331    | 14.150    | ng    | # 21   |
| 65) 4,6-Dinitro-2-methylphenol | 10.68 | 198  | 964      | 5.872     | ng    | # 1    |
| 67) 4-Bromophenyl-phenylether  | 10.68 | 248  | 26745    | 2.021     | ng    | # 1    |

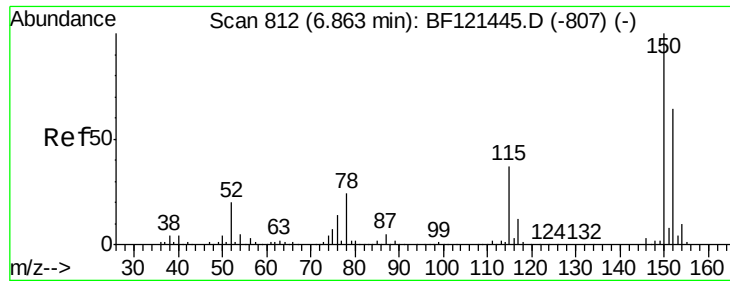
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\  
Data File : BF121470.D  
Acq On : 28 Aug 2020 20:34  
Operator : JU/CG  
Sample : L3837-09  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
789UMR-TP05-3036-01

Quant Time: Aug 29 00:36:19 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 28 09:25:49 2020  
Response via : Initial Calibration



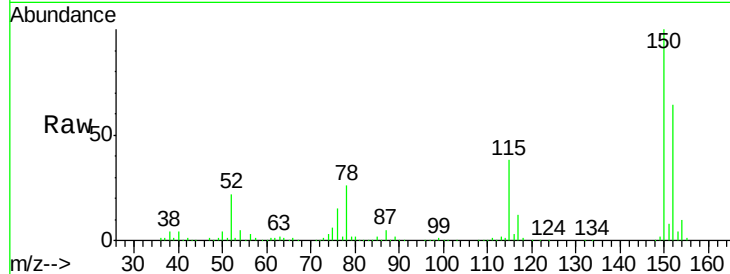


#1

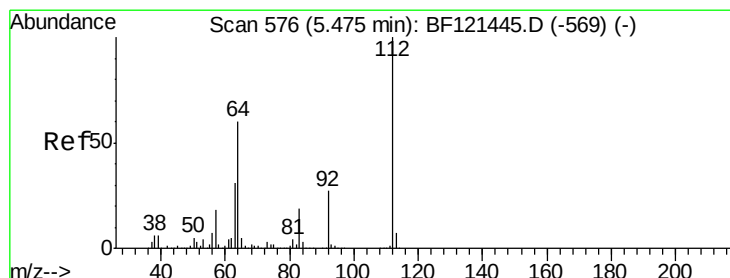
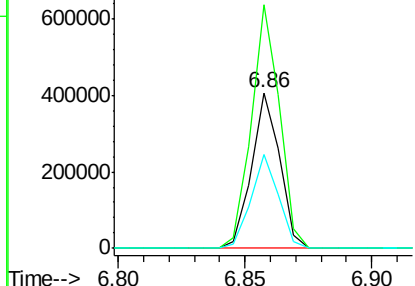
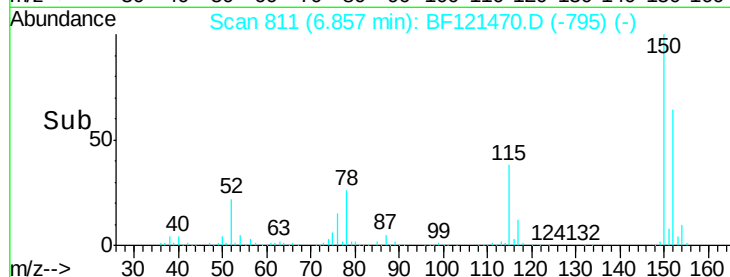
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 811  
Delta R.T. -0.01 min  
Lab File: BF121470.D  
Acq: 28 Aug 2020 20:34

Instrument :  
BNA\_F  
ClientSampleId :  
789UMR-TP05-3036-01

Tot Ion:152 Resp: 313577  
Ion Ratio Lower Upper  
152 100  
150 156.3 125.8 188.6  
115 59.9 46.6 69.8



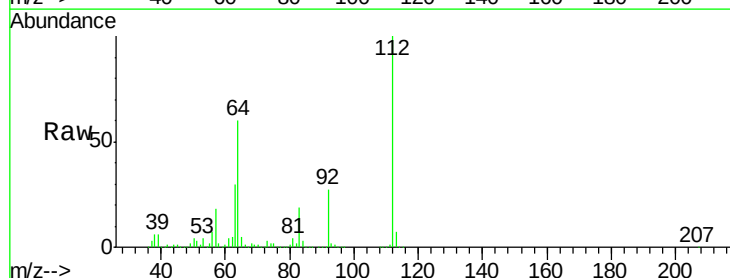
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



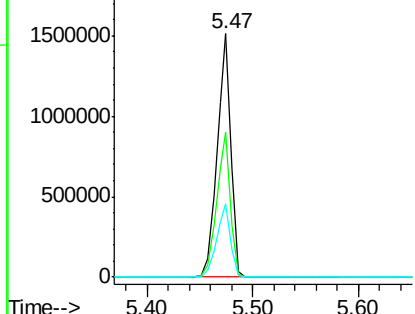
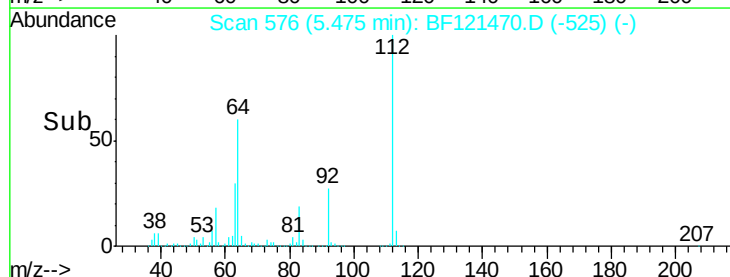
#5

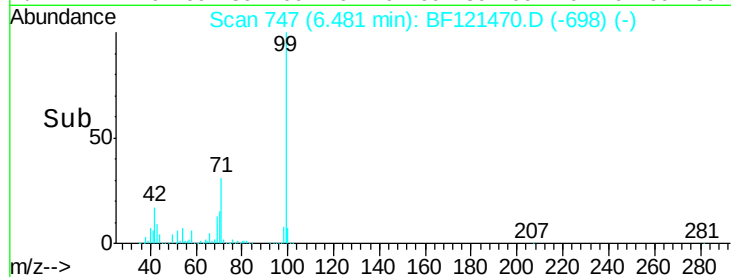
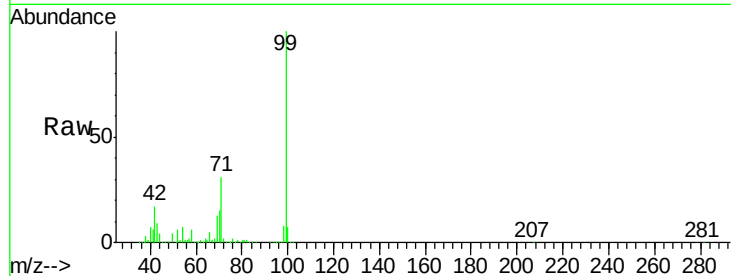
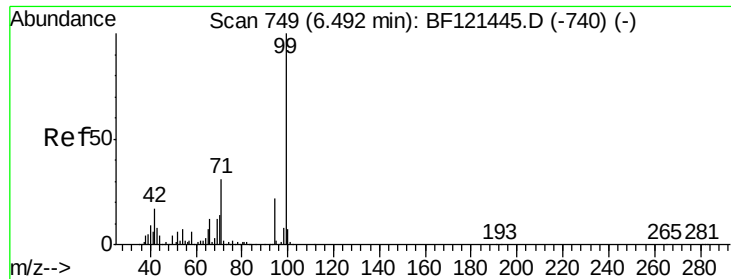
2-Fluorophenol  
Concen: 74.512 ng  
RT: 5.47 min Scan# 576  
Delta R.T. 0.00 min  
Lab File: BF121470.D  
Acq: 28 Aug 2020 20:34

Tgt Ion:112 Resp: 1392655  
Ion Ratio Lower Upper  
112 100  
64 59.6 48.2 72.2  
63 30.3 24.8 37.2



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: 71.806 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF121470.D

Acq: 28 Aug 2020 20:34

Instrument :

BNA\_F

ClientSampleId :

789UMR-TP05-3036-01

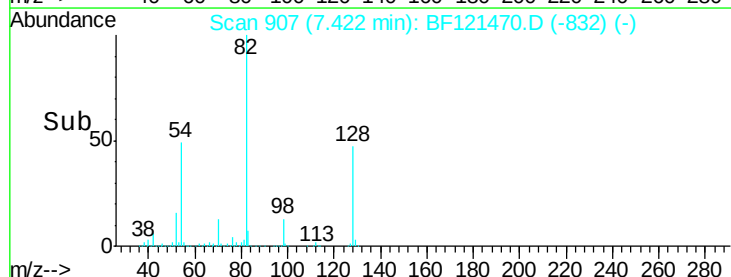
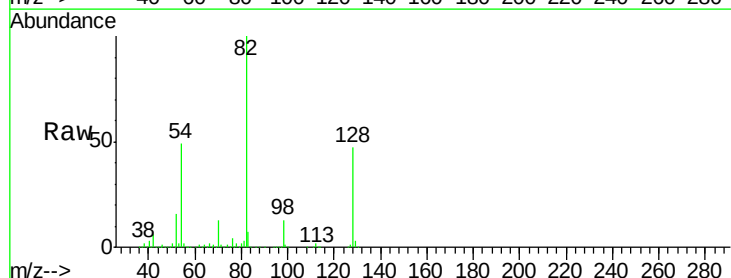
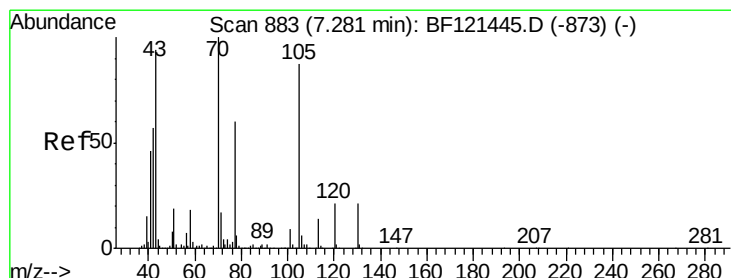
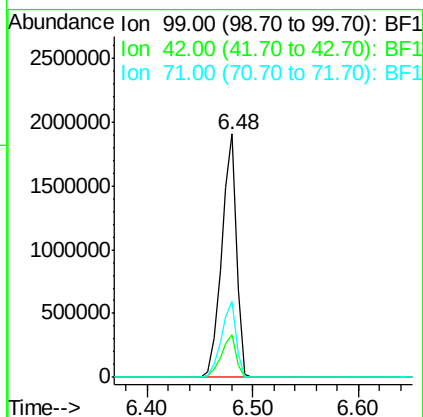
Tot Ion: 99 Resp: 1875506

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

71 31.3 24.6 37.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.422 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF121470.D

Acq: 28 Aug 2020 20:34

Tgt Ion: 70 Resp: 166724

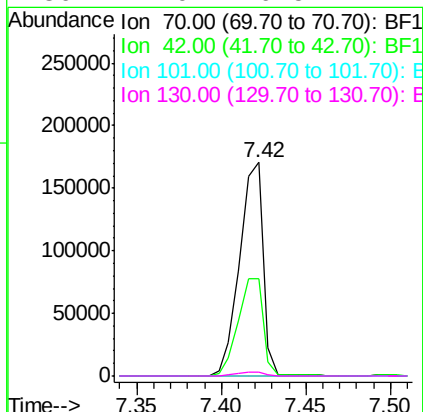
Ion Ratio Lower Upper

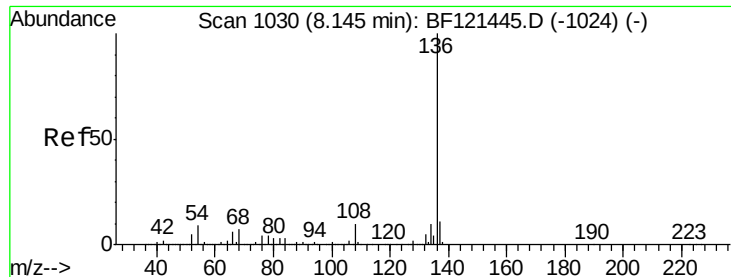
70 100

42 45.8 45.8 68.6

101 0.0 7.5 11.3#

130 2.0 16.5 24.7#



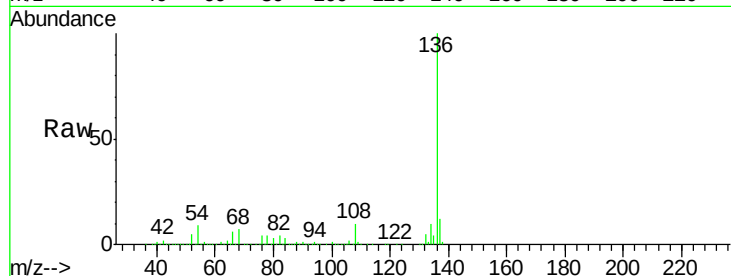


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. -0.01 min  
Lab File: BF121470.D  
Acq: 28 Aug 2020 20:34

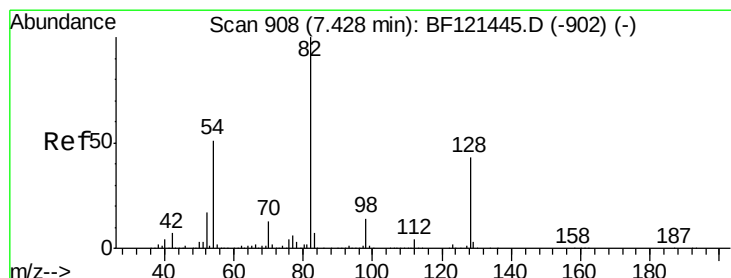
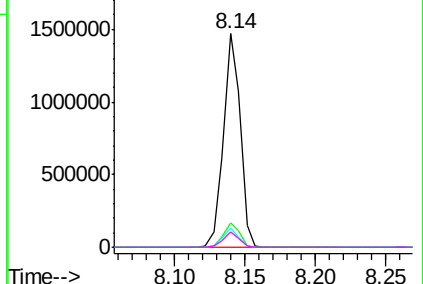
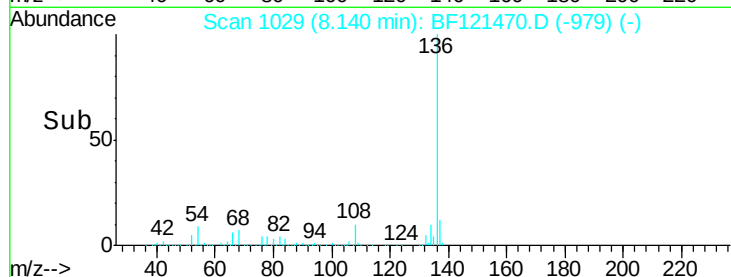
Instrument :  
BNA\_F  
ClientSampleId :  
789UMR-TP05-3036-01

Tot Ion:136 Resp: 1210713

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.5  | 9.1   | 13.7  |
| 54  | 8.9   | 7.0   | 10.4  |
| 68  | 7.1   | 5.5   | 8.3   |



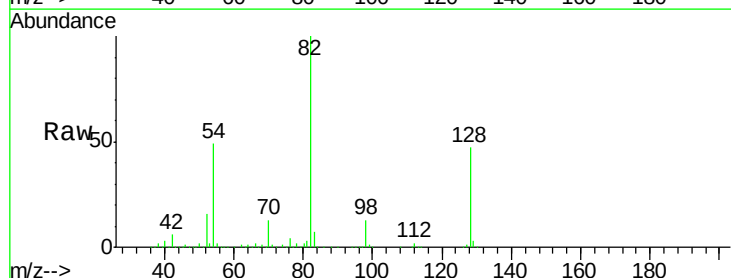
Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1



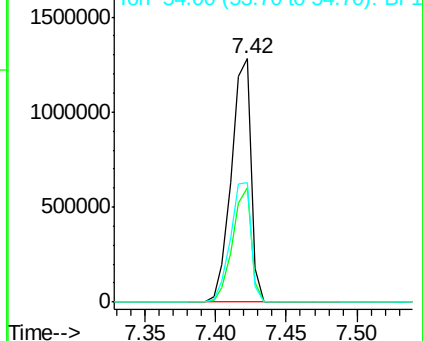
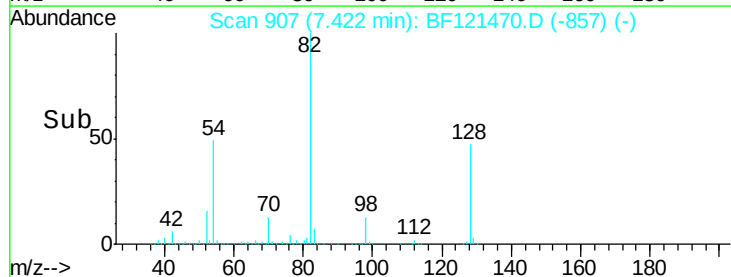
#23  
Nitrobenzene-d5  
Concen: 70.129 ng  
RT: 7.42 min Scan# 907  
Delta R.T. -0.01 min  
Lab File: BF121470.D  
Acq: 28 Aug 2020 20:34

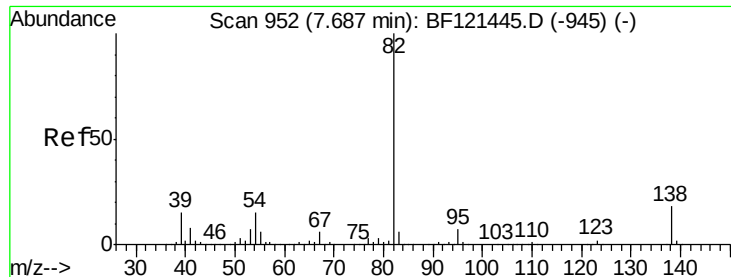
Tgt Ion: 82 Resp: 1241938

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 47.1  | 34.1  | 51.1  |
| 54  | 49.3  | 41.0  | 61.6  |



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 31.172 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF121470.D

Acq: 28 Aug 2020 20:34

Instrument :

BNA\_F

ClientSampleId :

789UMR-TP05-3036-01

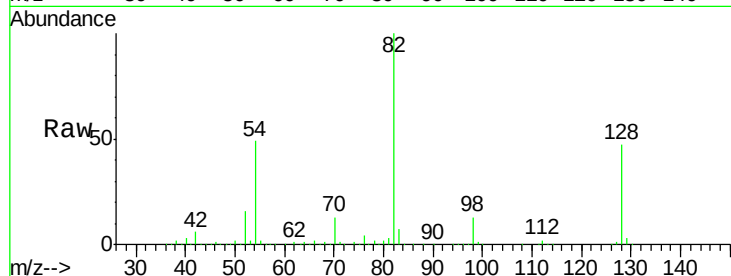
Tot Ion: 82 Resp: 1241640

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

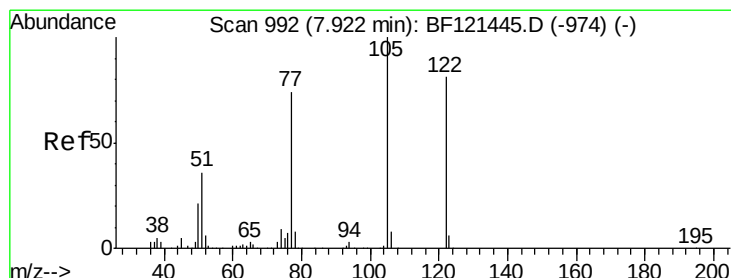
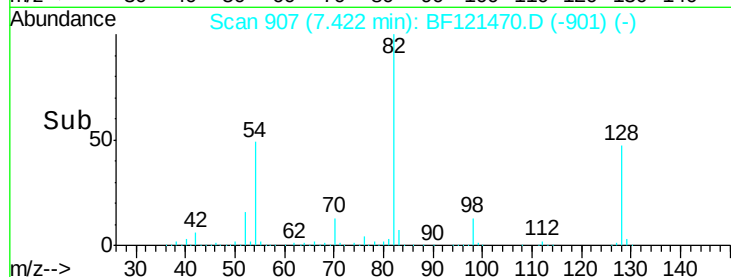
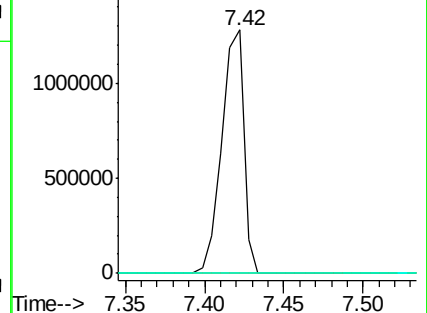
138 0.0 14.8 22.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 6.697 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.22 min

Lab File: BF121470.D

Acq: 28 Aug 2020 20:34

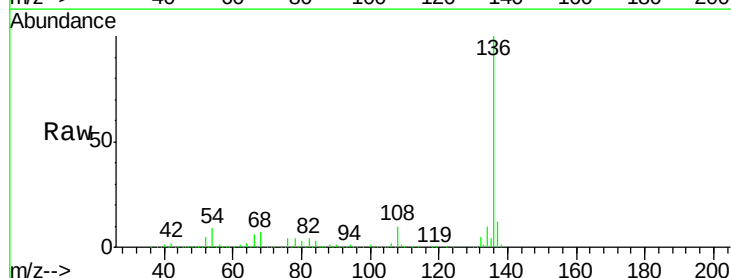
Tgt Ion:122 Resp: 298

Ion Ratio Lower Upper

122 100

105 199.6 100.8 140.8#

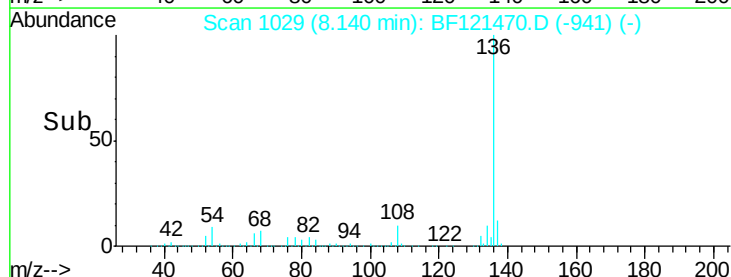
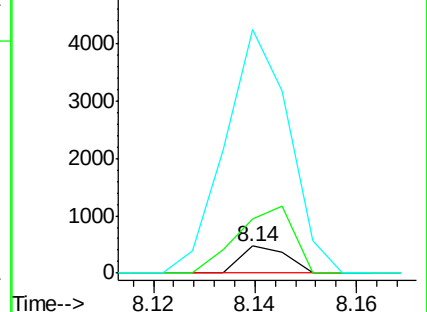
77 896.8 71.5 111.5#

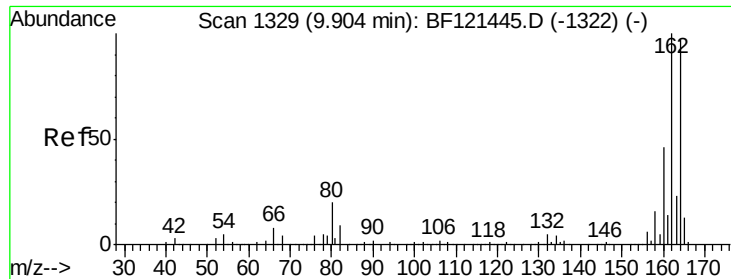


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF121470.D

Acq: 28 Aug 2020 20:34

Instrument :

BNA\_F

ClientSampleId :

789UMR-TP05-3036-01

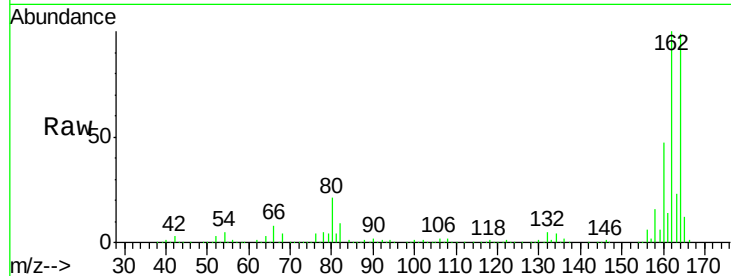
Tot Ion:164 Resp: 641174

Ion Ratio Lower Upper

164 100

162 100.5 82.4 123.6

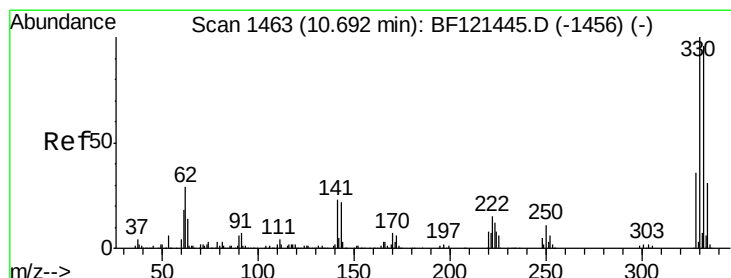
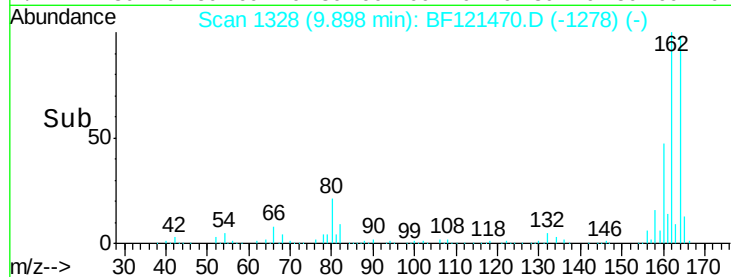
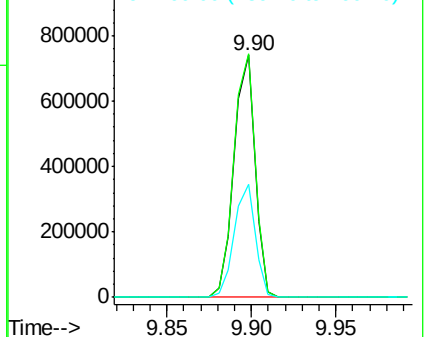
160 46.9 37.6 56.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 70.606 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF121470.D

Acq: 28 Aug 2020 20:34

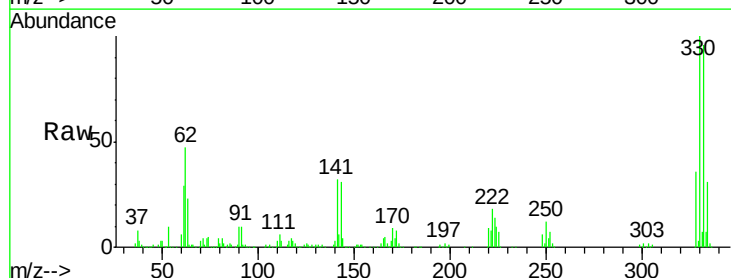
Tgt Ion:330 Resp: 457261

Ion Ratio Lower Upper

330 100

332 95.8 76.2 114.2

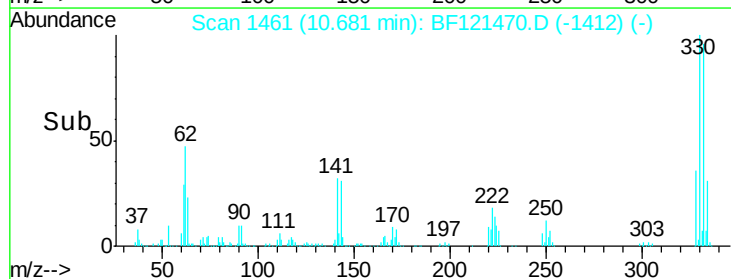
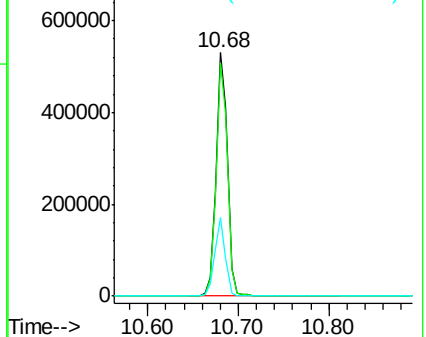
141 30.6 24.6 36.8

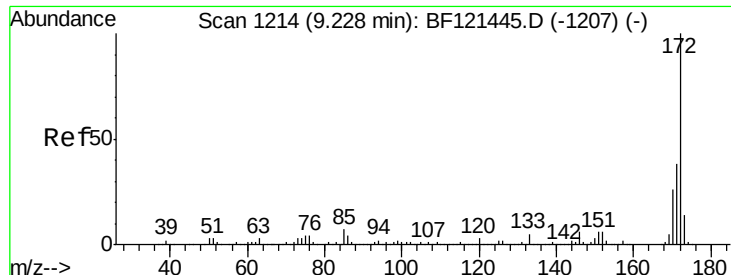


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

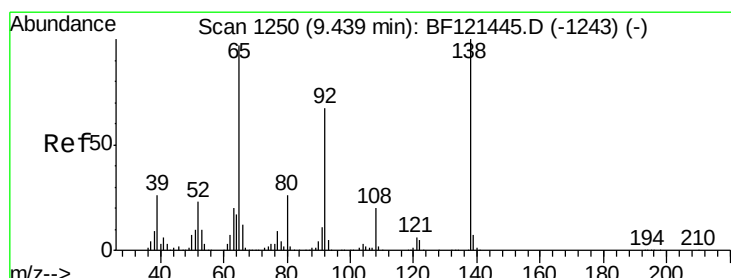
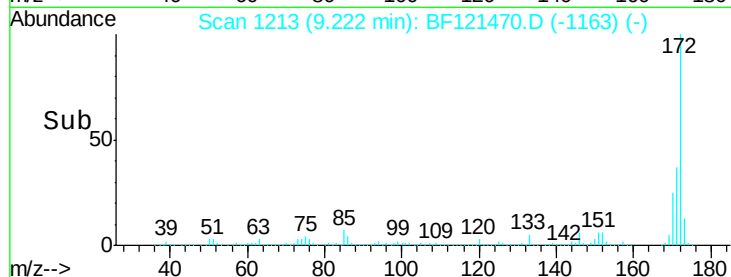
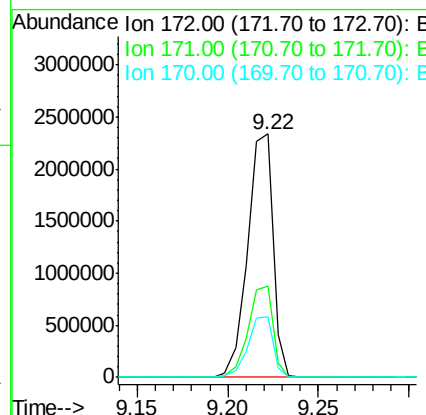
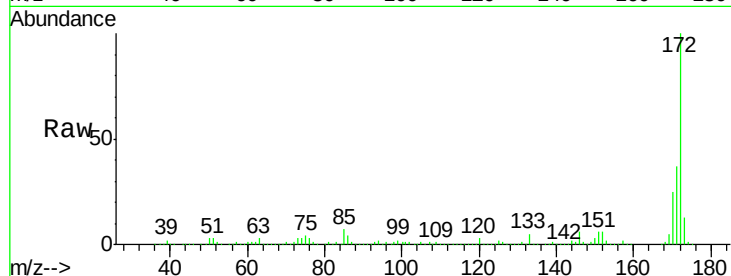




#45  
2-Fluorobiphenyl  
Concen: 57.332 ng  
RT: 9.22 min Scan# 1213  
Delta R.T. -0.01 min  
Lab File: BF121470.D  
Acq: 28 Aug 2020 20:34

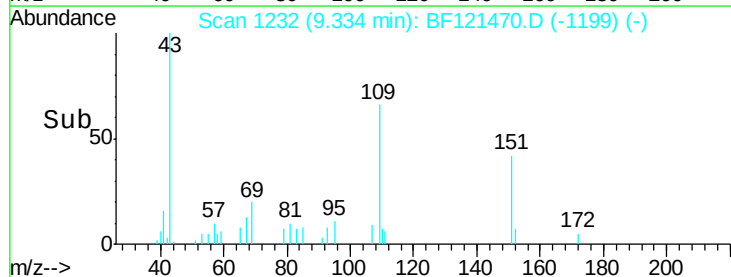
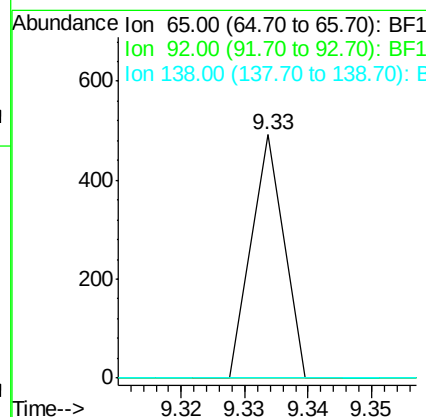
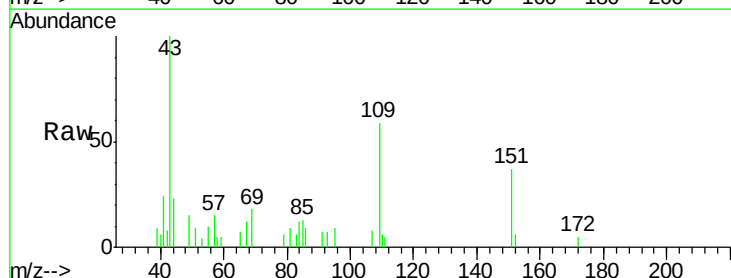
Instrument :  
BNA\_F  
ClientSampleId :  
789UMR-TP05-3036-01

Tot Ion:172 Resp: 2278217  
Ion Ratio Lower Upper  
172 100  
171 37.4 30.6 45.8  
170 25.0 20.6 31.0

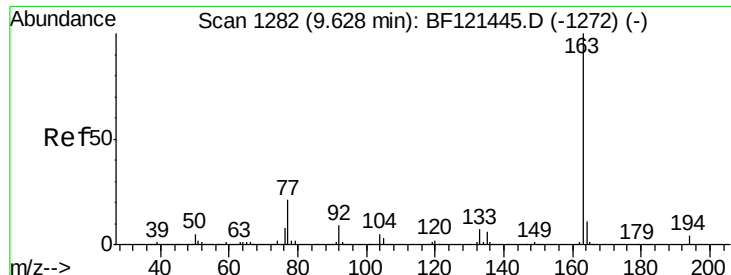


#48  
2-Nitroaniline  
Concen: 6.661 ng  
RT: 9.33 min Scan# 1232  
Delta R.T. -0.11 min  
Lab File: BF121470.D  
Acq: 28 Aug 2020 20:34

Tgt Ion: 65 Resp: 174  
Ion Ratio Lower Upper  
65 100  
92 0.0 55.6 83.4#  
138 0.0 82.9 124.3#







#50

Dimethylphthalate

Concen: 2.873 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.02 min

Lab File: BF121470.D

Acq: 28 Aug 2020 20:34

Instrument :

BNA\_F

ClientSampleId :

789UMR-TP05-3036-01

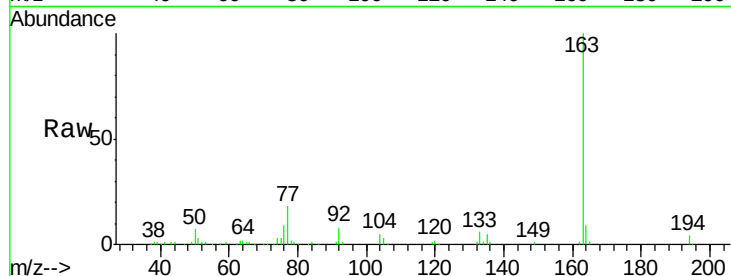
Tot Ion:163 Resp: 126547

Ion Ratio Lower Upper

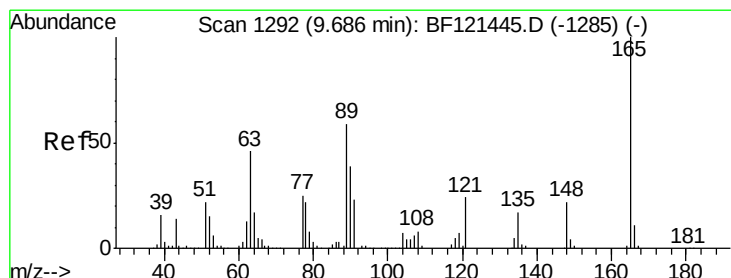
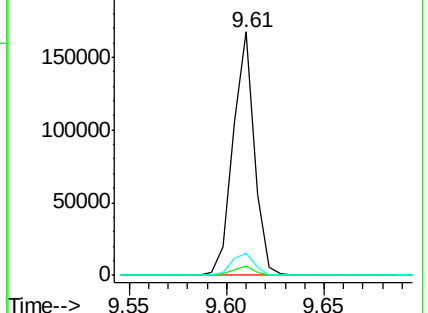
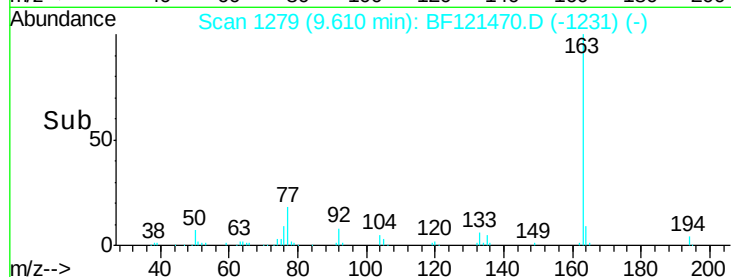
163 100

194 3.9 3.3 4.9

164 9.3 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 15.059 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF121470.D

Acq: 28 Aug 2020 20:34

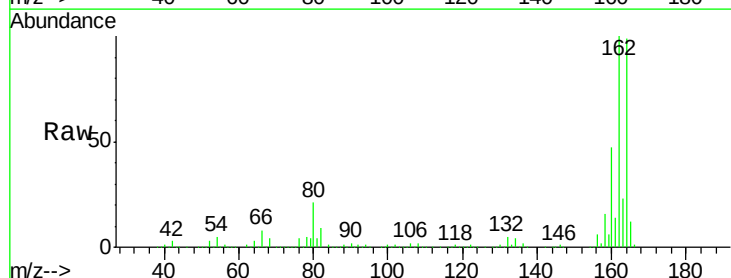
Tgt Ion:165 Resp: 82331

Ion Ratio Lower Upper

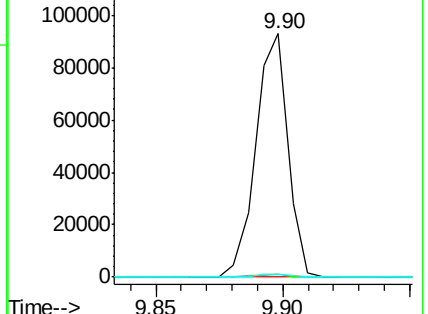
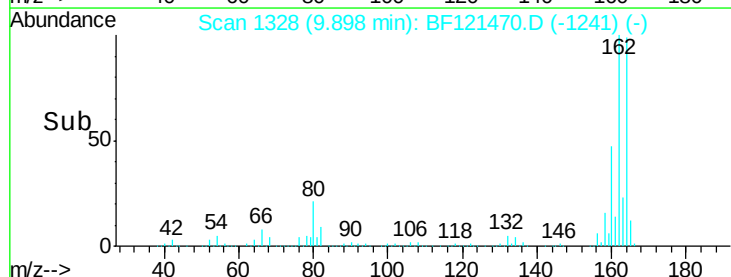
165 100

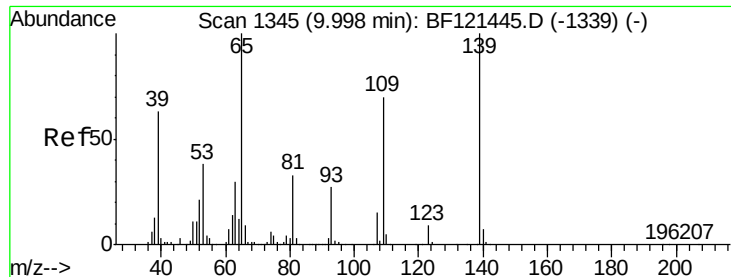
63 1.2 43.6 65.4#

89 1.5 47.4 71.2#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1

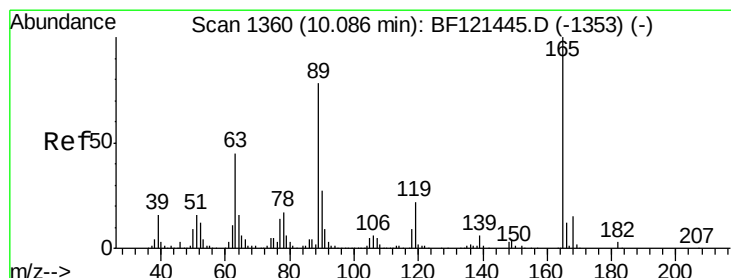
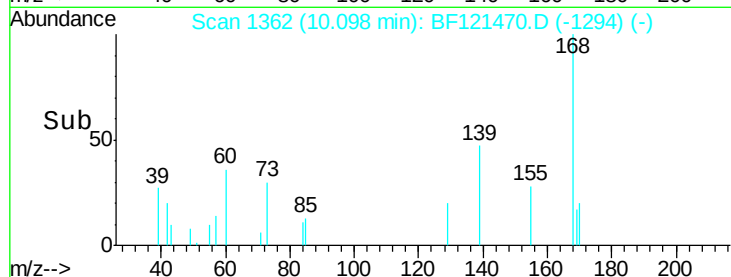
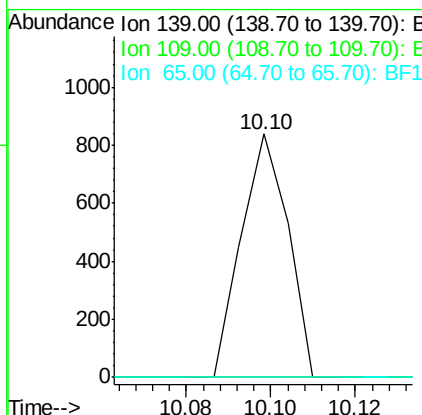
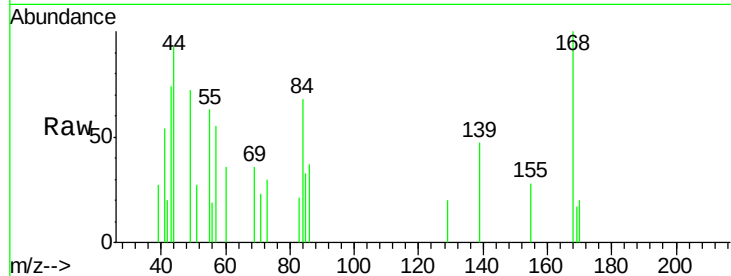




#56  
4-Nitrophenol  
Concen: 7.924 ng  
RT: 10.10 min Scan# 1362  
Delta R.T. 0.10 min  
Lab File: BF121470.D  
Acq: 28 Aug 2020 20:34

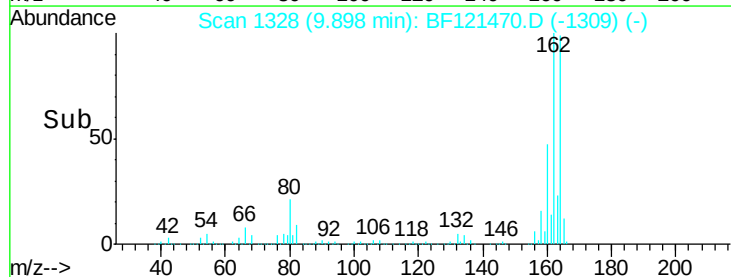
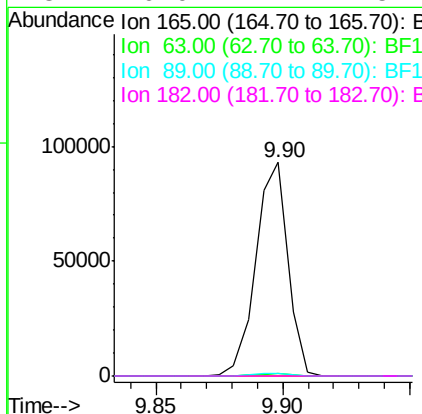
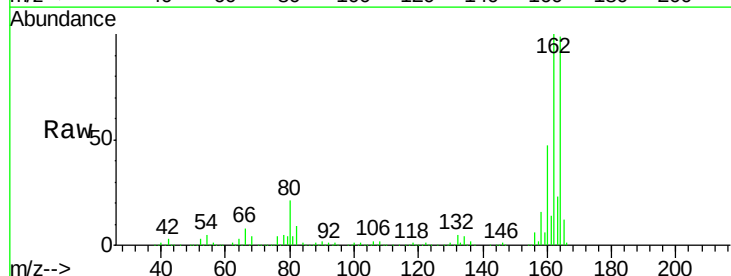
Instrument :  
BNA\_F  
ClientSampleId :  
789UMR-TP05-3036-01

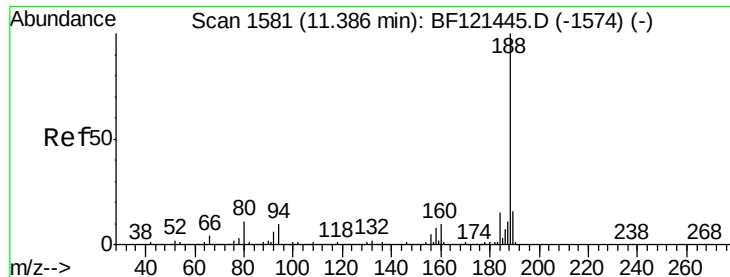
Tot Ion:139 Resp: 642  
Ion Ratio Lower Upper  
139 100  
109 0.0 50.5 90.5#  
65 0.0 80.2 120.2#



#57  
2,4-Dinitrotoluene  
Concen: 14.150 ng  
RT: 9.90 min Scan# 1328  
Delta R.T. -0.19 min  
Lab File: BF121470.D  
Acq: 28 Aug 2020 20:34

Tgt Ion:165 Resp: 82331  
Ion Ratio Lower Upper  
165 100  
63 1.2 36.0 54.0#  
89 1.5 62.6 93.8#  
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF121470.D

Acq: 28 Aug 2020 20:34

Instrument :

BNA\_F

ClientSampleId :

789UMR-TP05-3036-01

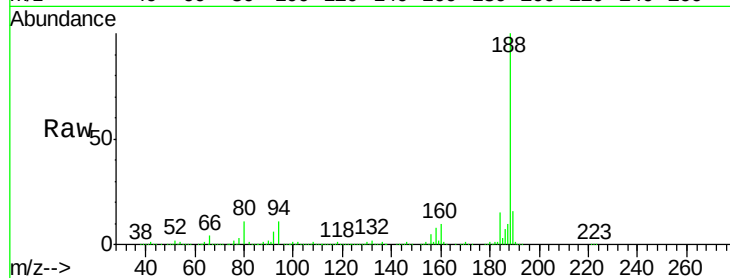
Tot Ion:188 Resp: 1203206

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 10.5  | 8.3   | 12.5  |
| 80  | 11.4  | 8.6   | 13.0  |

188 100

94 10.5 8.3 12.5

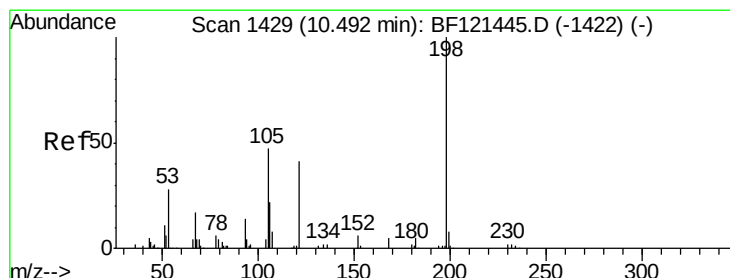
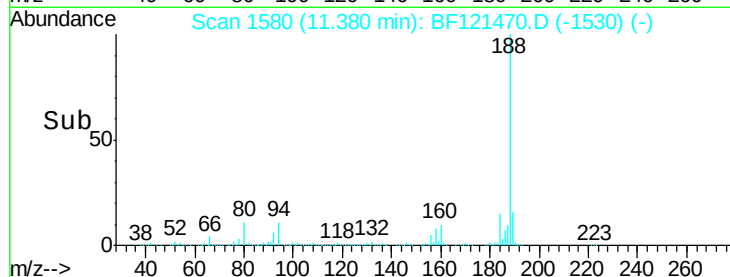
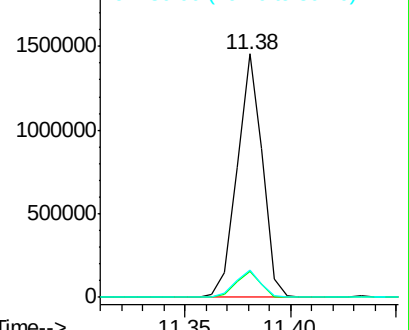
80 11.4 8.6 13.0



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: 5.872 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.19 min

Lab File: BF121470.D

Acq: 28 Aug 2020 20:34

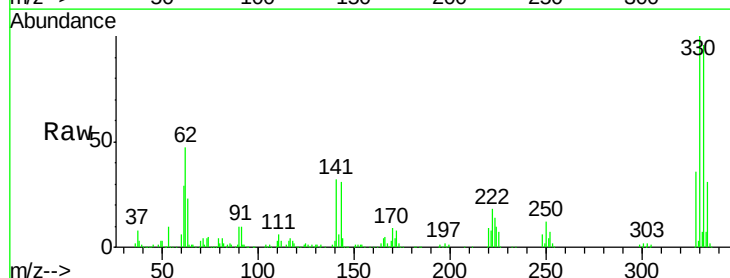
Tgt Ion:198 Resp: 964

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 198 | 100   |       |       |
| 51  | 187.3 | 29.0  | 69.0# |
| 105 | 210.5 | 29.1  | 69.1# |

198 100

51 187.3 29.0 69.0#

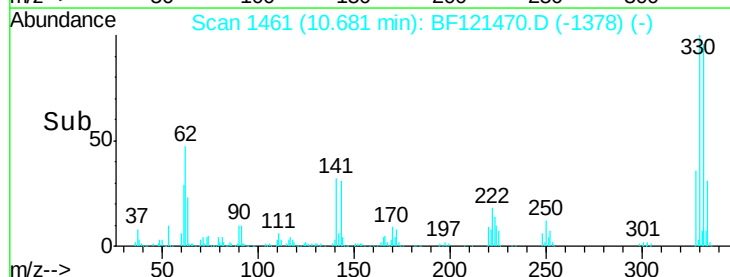
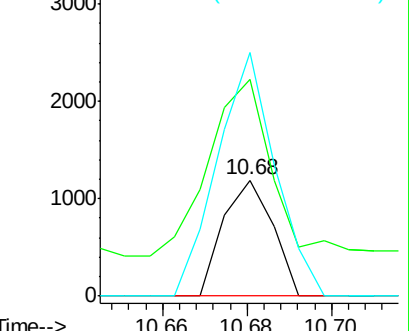
105 210.5 29.1 69.1#

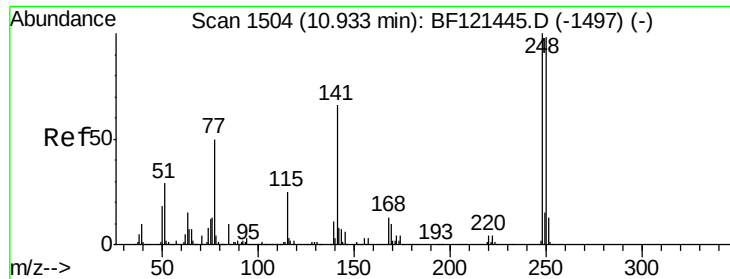


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

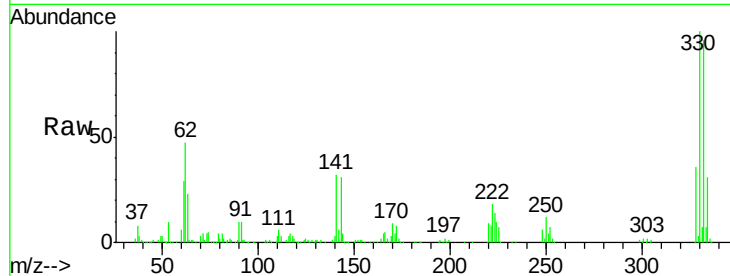




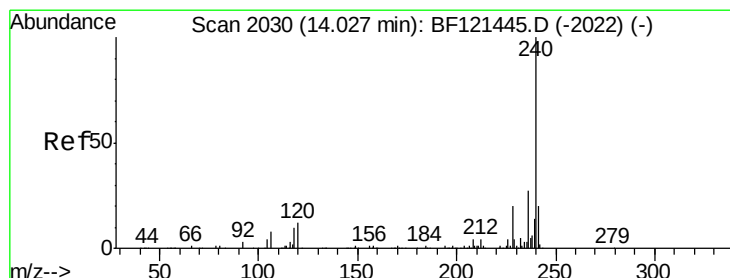
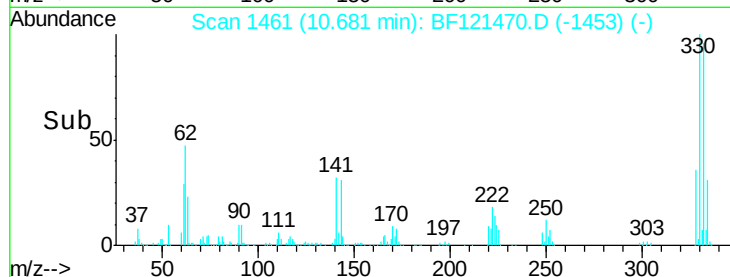
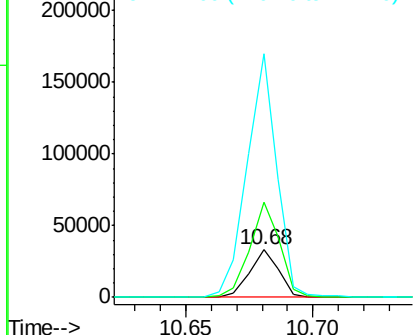
#67  
4-Bromophenyl-phenylether  
Concen: 2.021 ng  
RT: 10.68 min Scan# 1461  
Delta R.T. -0.25 min  
Lab File: BF121470.D  
Acq: 28 Aug 2020 20:34

Instrument :  
BNA\_F  
ClientSampleId :  
789UMR-TP05-3036-01

Tot Ion:248 Resp: 26745  
Ion Ratio Lower Upper  
248 100  
250 200.7 78.7 118.1#  
141 515.0 52.6 78.8#

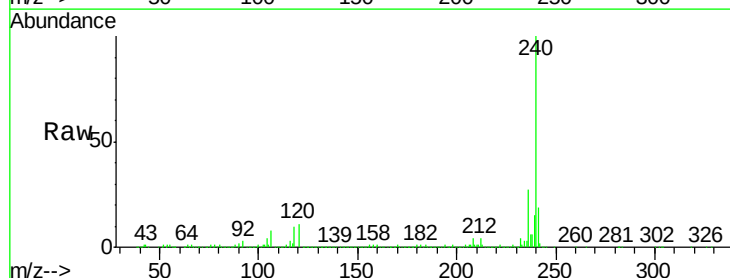


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

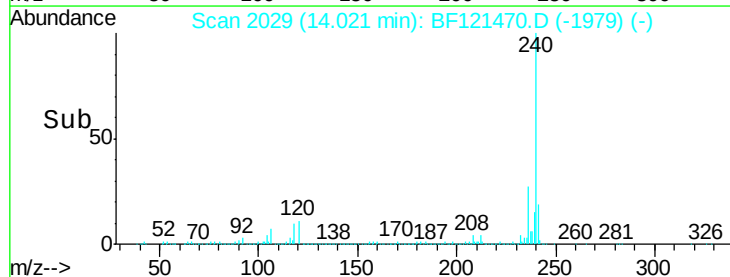
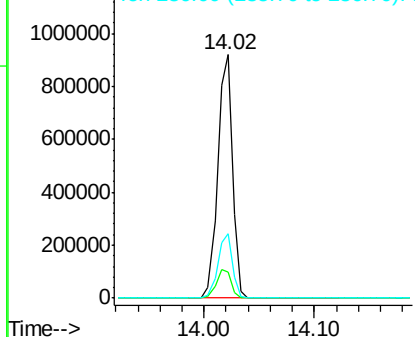


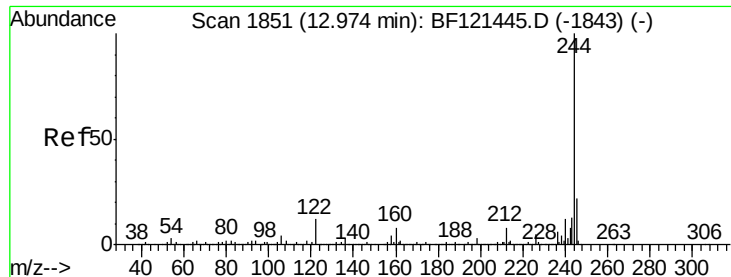
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.02 min Scan# 2029  
Delta R.T. -0.01 min  
Lab File: BF121470.D  
Acq: 28 Aug 2020 20:34

Tgt Ion:240 Resp: 850517  
Ion Ratio Lower Upper  
240 100  
120 10.7 9.5 14.3  
236 26.5 21.8 32.6



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: 57.054 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BF121470.D

Acq: 28 Aug 2020 20:34

Instrument :

BNA\_F

ClientSampleId :

789UMR-TP05-3036-01

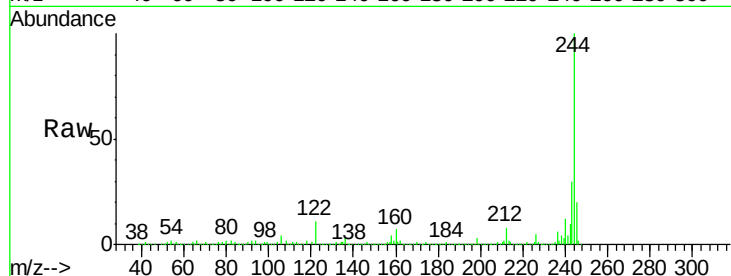
Tot Ion:244 Resp: 2305288

Ion Ratio Lower Upper

244 100

212 7.7 6.3 9.5

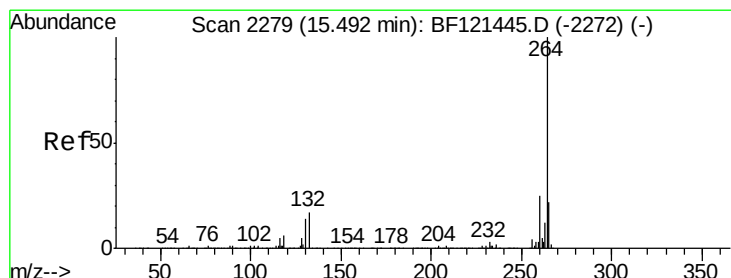
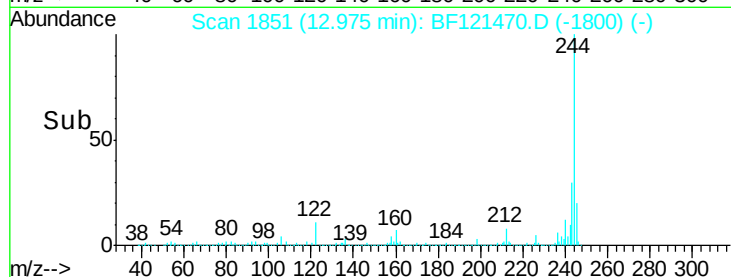
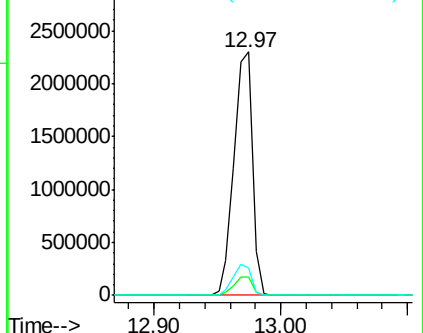
122 11.1 9.5 14.3



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: 15.49 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BF121470.D

Acq: 28 Aug 2020 20:34

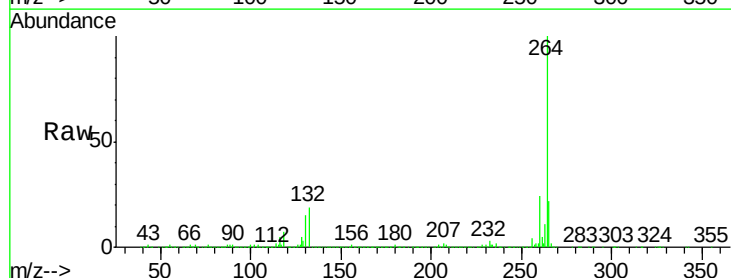
Tgt Ion:264 Resp: 769231

Ion Ratio Lower Upper

264 100

260 24.5 19.6 29.4

265 22.3 17.8 26.6



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

