

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091620\  
 Data File : BF121592.D  
 Acq On : 16 Sep 2020 12:30  
 Operator : JU/CG  
 Sample : L4009-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HAYES-SEYMOUR-01

Quant Time: Sep 16 12:54:47 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 10 16:47:54 2020  
 Response via : Initial Calibration

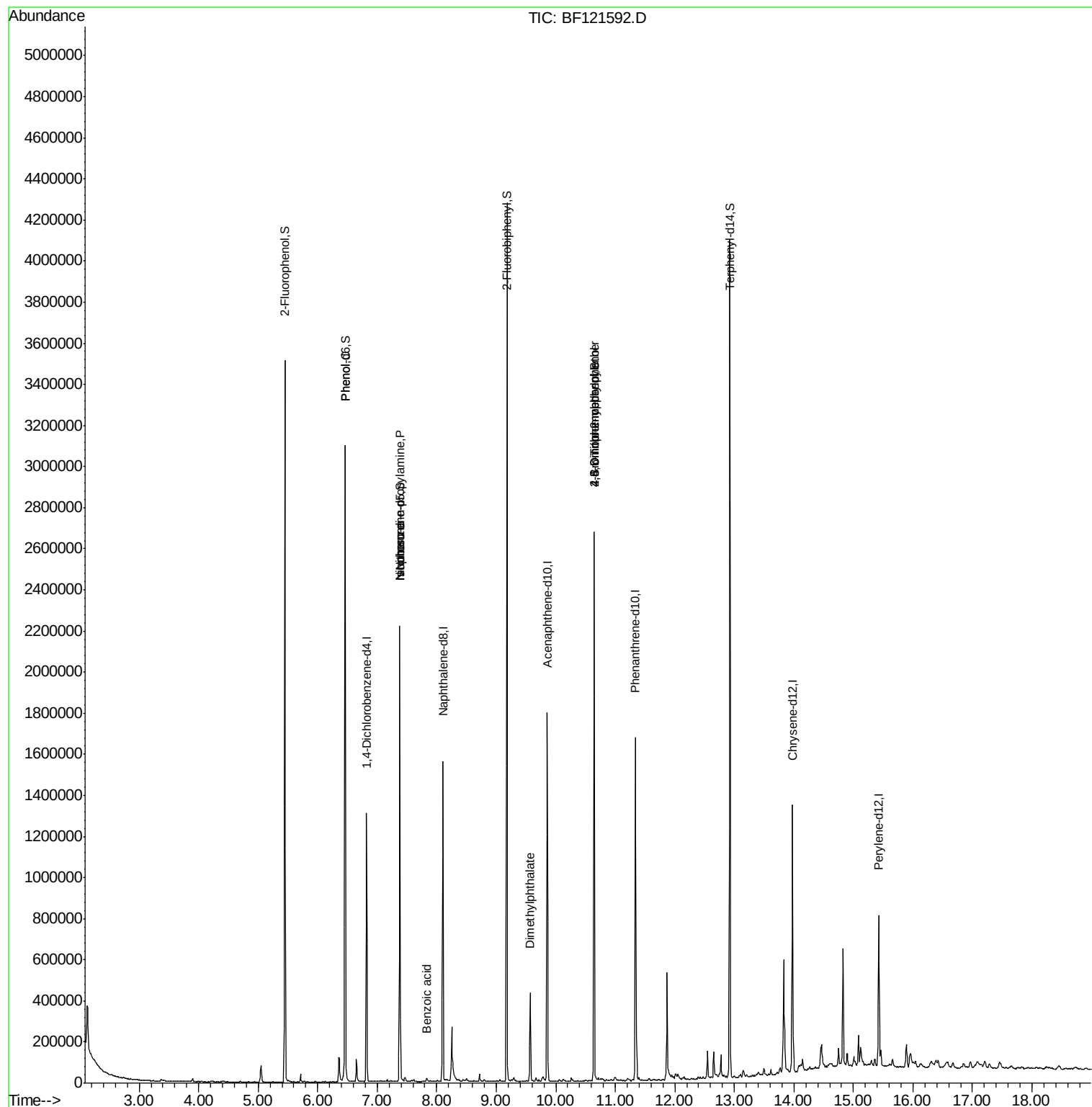
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.82  | 152  | 174182   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.10  | 136  | 673079   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.86  | 164  | 340271   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.34 | 188  | 604079   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 13.97 | 240  | 401507   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.43 | 264  | 308940   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.45  | 112  | 922620   | 78.72  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.46  | 99   | 1187556  | 77.23  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.38  | 82   | 808977   | 64.53  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol       | 10.64 | 330  | 324455   | 76.72  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.18  | 172  | 1359575  | 60.51  | ng    | -0.01    |
| 79) Terphenyl-d14              | 12.93 | 244  | 1239354  | 62.53  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.47  | 94   | 65515    | 4.001  | ng    | 91       |
| 19) n-Nitroso-di-n-propylamine | 7.38  | 70   | 108235   | 12.213 | ng    | # 80     |
| 25) Isophorone                 | 7.38  | 82   | 807982   | 32.018 | ng    | # 66     |
| 32) Benzoic acid               | 7.82  | 122  | 345      | 6.971  | ng    | # 62     |
| 50) Dimethylphthalate          | 9.57  | 163  | 165252   | 6.701  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 10.64 | 198  | 634      | 6.999  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether  | 10.64 | 248  | 19078    | 2.774  | ng    | # 1      |

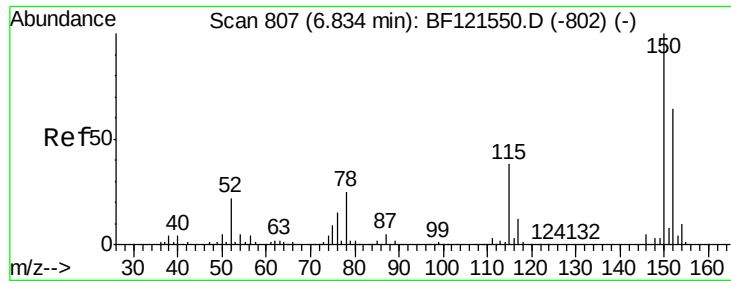
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : L4009-01  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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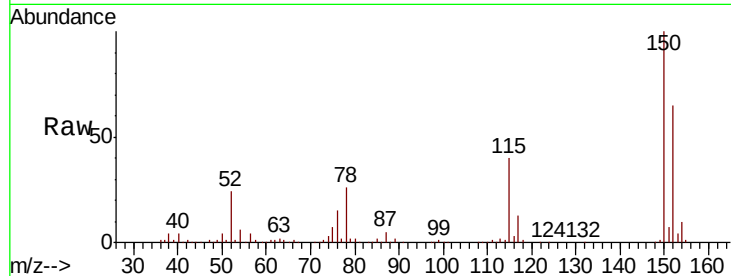


#1

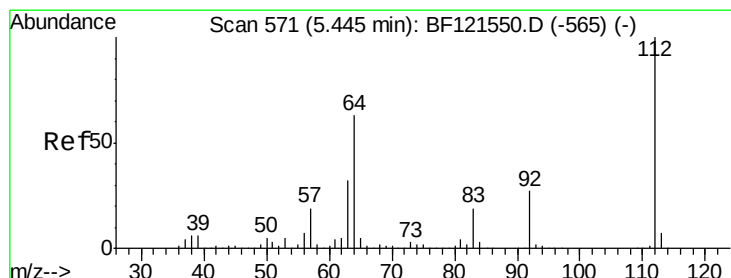
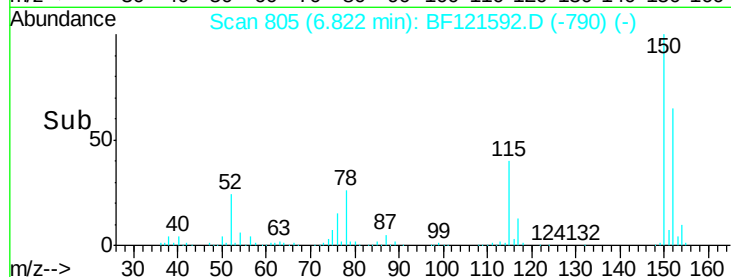
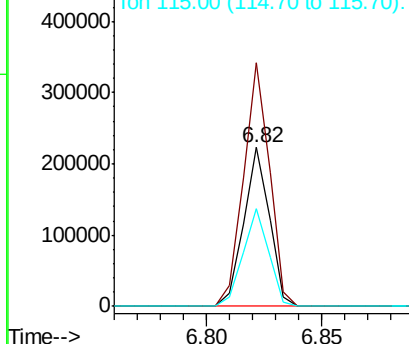
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 805  
Delta R.T. -0.01 min  
Lab File: BF121592.D  
Acq: 16 Sep 2020 12:30

Instrument :  
BNA\_F  
ClientSampleId :  
HAYES-SEYMOUR-01

Tot Ion:152 Resp: 174182  
Ion Ratio Lower Upper  
152 100  
150 153.3 125.8 188.6  
115 61.3 47.8 71.8



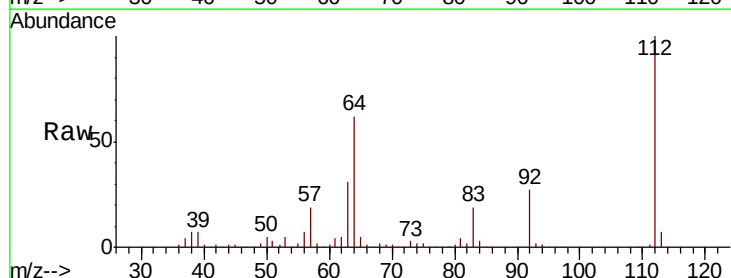
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



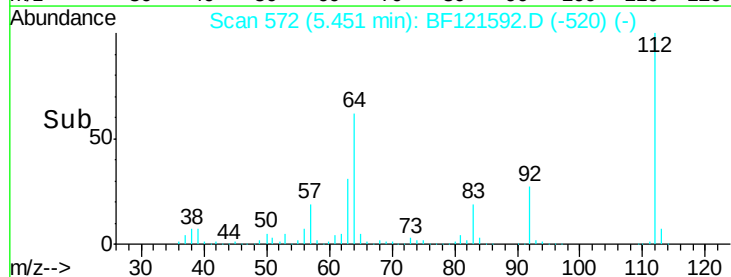
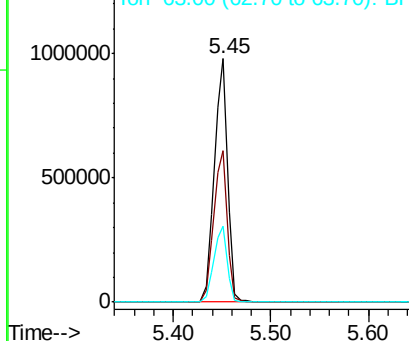
#5

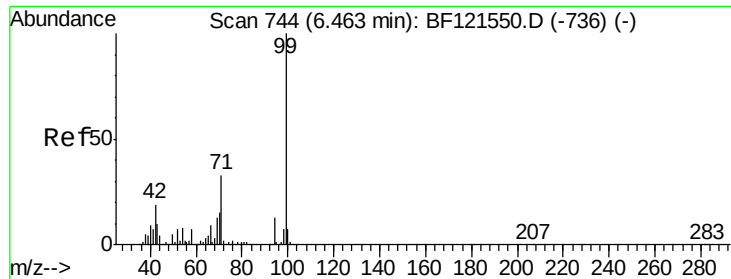
2-Fluorophenol  
Concen: 78.718 ng  
RT: 5.45 min Scan# 572  
Delta R.T. 0.01 min  
Lab File: BF121592.D  
Acq: 16 Sep 2020 12:30

Tgt Ion:112 Resp: 922620  
Ion Ratio Lower Upper  
112 100  
64 62.5 50.3 75.5  
63 31.3 25.6 38.4



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: 77.231 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF121592.D

Acq: 16 Sep 2020 12:30

Instrument :

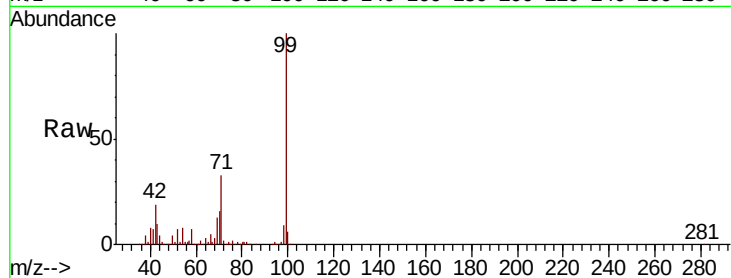
BNA\_F

ClientSampleId :

HAYES-SEYMOUR-01

Tot Ion: 99 Resp: 1187556

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.0  | 15.5  | 23.3  |
| 71  | 33.0  | 26.1  | 39.1  |

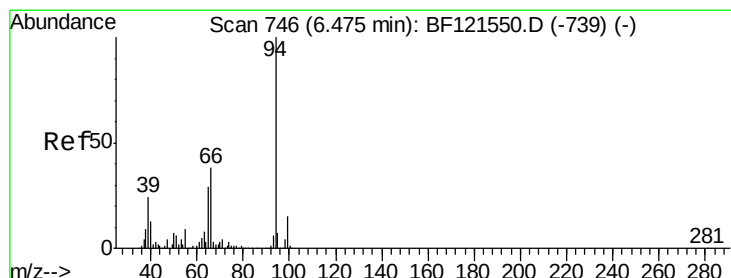
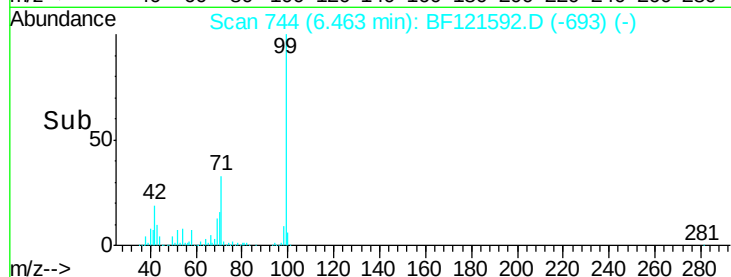
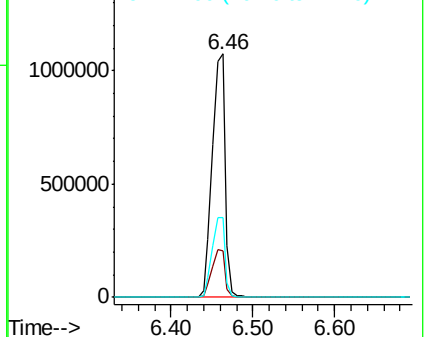


Abundance

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



#10

Phenol

Concen: 4.001 ng

RT: 6.47 min Scan# 745

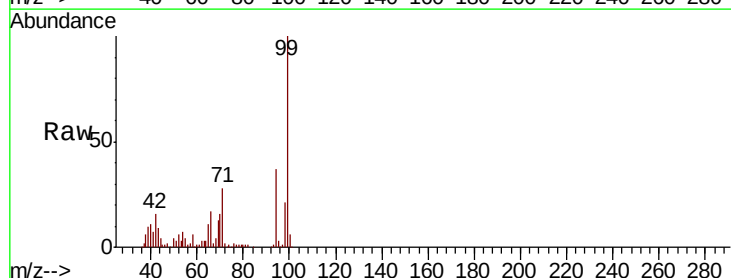
Delta R.T. -0.01 min

Lab File: BF121592.D

Acq: 16 Sep 2020 12:30

Tgt Ion: 94 Resp: 65515

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 30.3  | 9.4   | 49.4  |
| 66  | 47.1  | 18.3  | 58.3  |

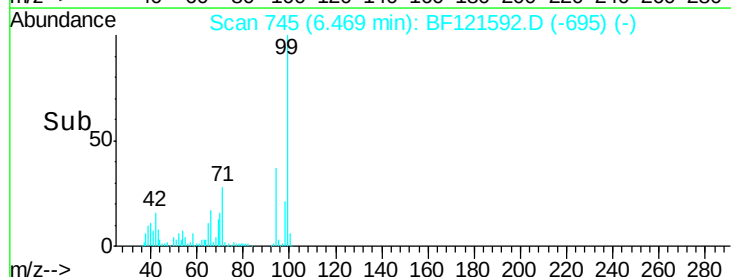
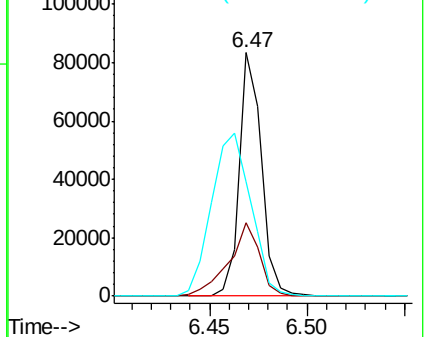


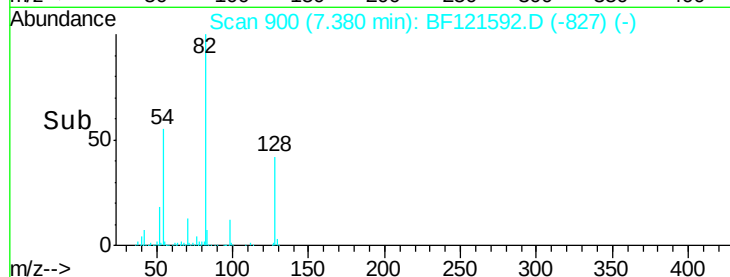
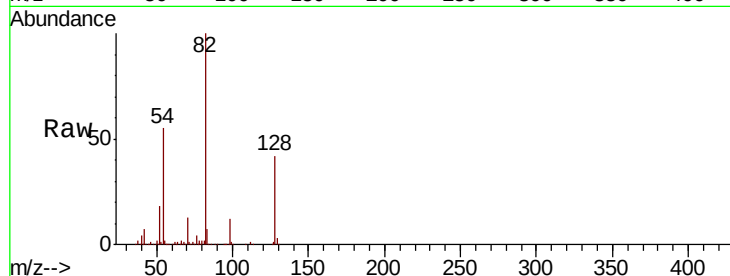
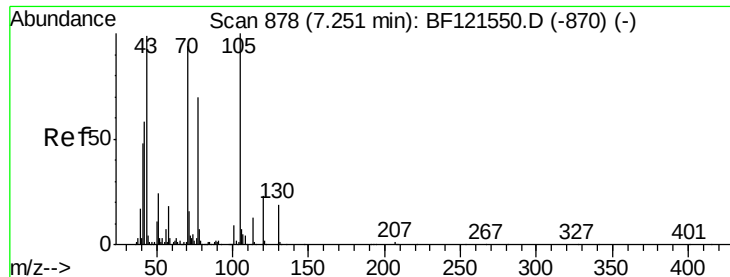
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

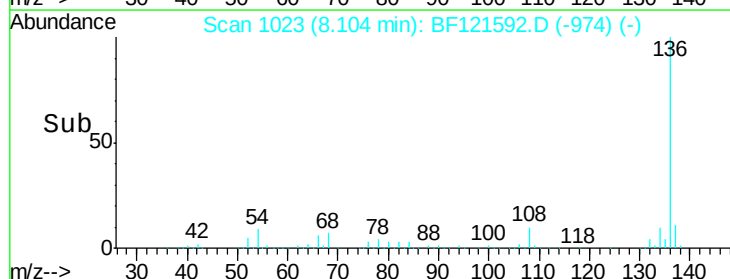
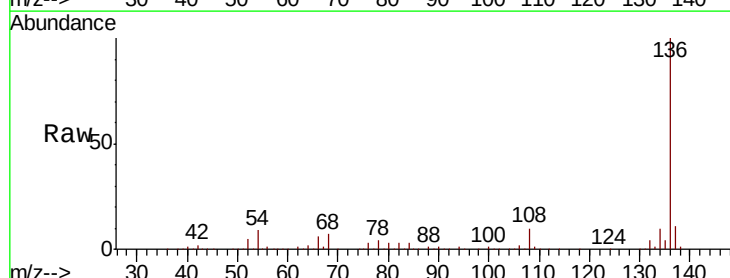
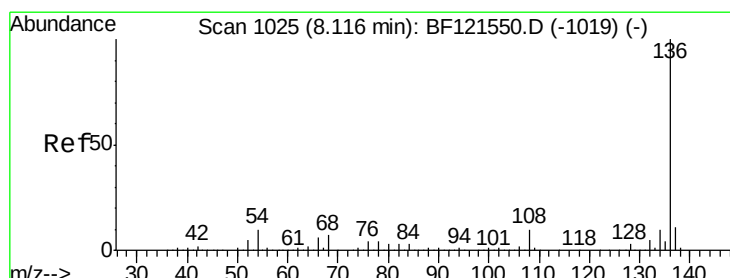
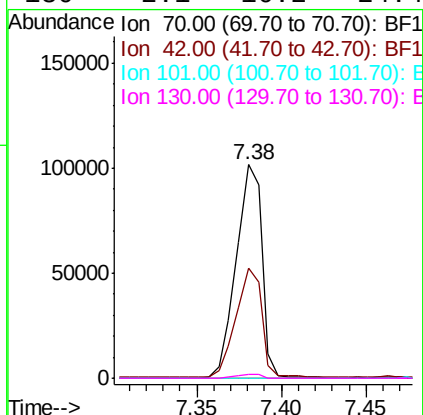




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.213 ng  
RT: 7.38 min Scan# 900  
Delta R.T. 0.13 min  
Lab File: BF121592.D  
Acq: 16 Sep 2020 12:30

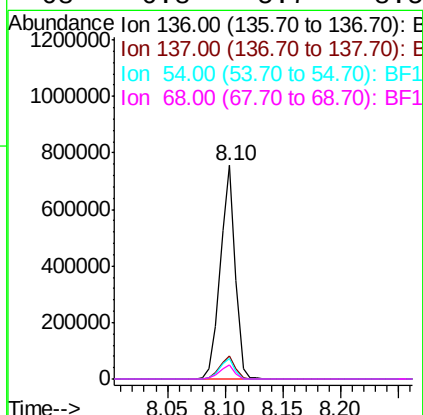
Instrument :  
BNA\_F  
ClientSampleId :  
HAYES-SEYMOUR-01

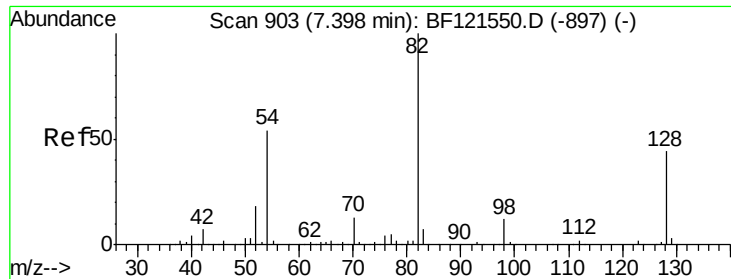
Tot Ion: 70 Resp: 108235  
Ion Ratio Lower Upper  
70 100  
42 51.8 49.4 74.2  
101 0.0 7.6 11.4#  
130 2.1 16.2 24.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.10 min Scan# 1023  
Delta R.T. -0.01 min  
Lab File: BF121592.D  
Acq: 16 Sep 2020 12:30

Tgt Ion: 136 Resp: 673079  
Ion Ratio Lower Upper  
136 100  
137 10.9 9.0 13.6  
54 9.3 7.6 11.4  
68 6.8 5.7 8.5

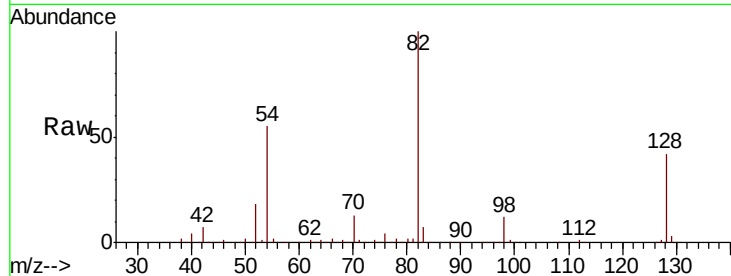




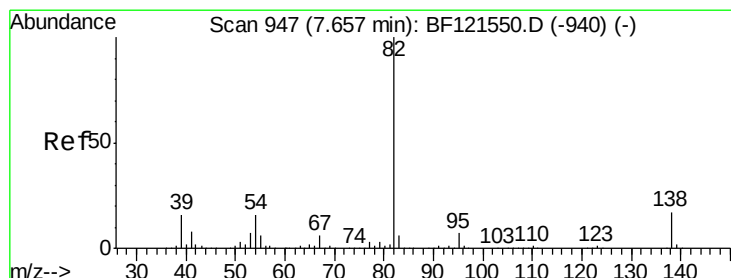
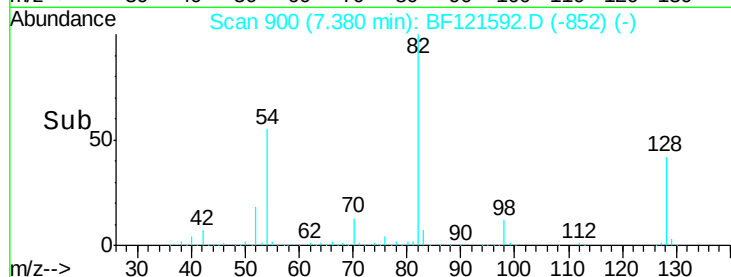
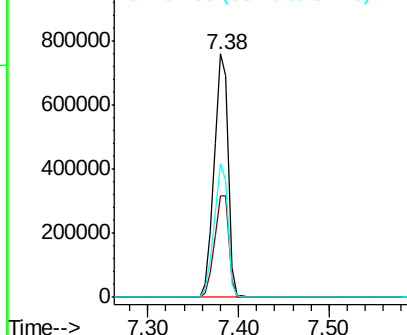
#23  
Nitrobenzene-d5  
Concen: 64.532 ng  
RT: 7.38 min Scan# 900  
Delta R.T. -0.02 min  
Lab File: BF121592.D  
Acq: 16 Sep 2020 12:30

Instrument :  
BNA\_F  
ClientSampleId :  
HAYES-SEYMOUR-01

Tot Ion: 82 Resp: 808977  
Ion Ratio Lower Upper  
82 100  
128 41.7 35.1 52.7  
54 54.6 43.0 64.6

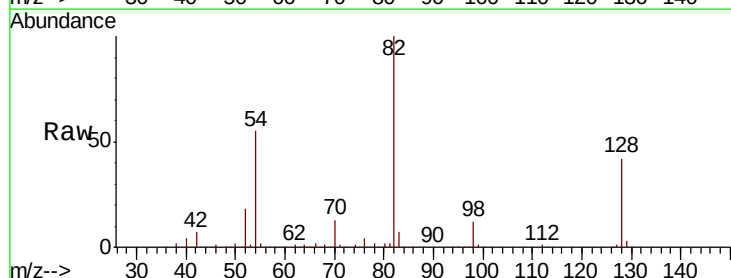


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

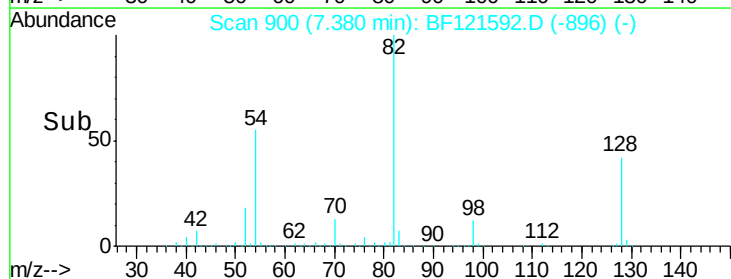
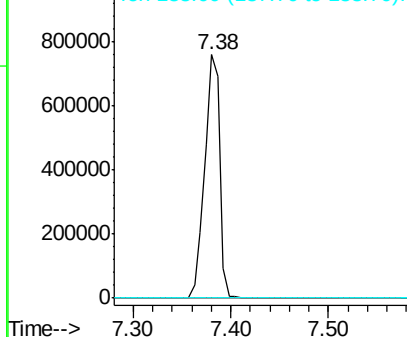


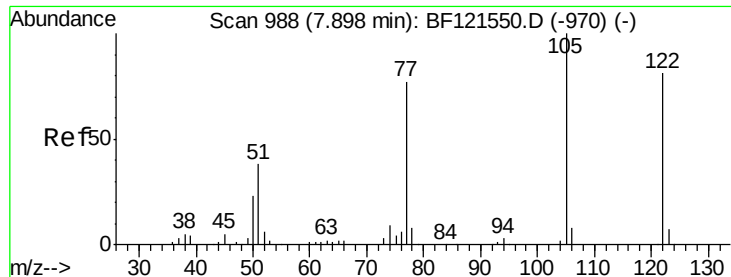
#25  
Isophorone  
Concen: 32.018 ng  
RT: 7.38 min Scan# 900  
Delta R.T. -0.28 min  
Lab File: BF121592.D  
Acq: 16 Sep 2020 12:30

Tgt Ion: 82 Resp: 807982  
Ion Ratio Lower Upper  
82 100  
95 0.1 5.3 7.9#  
138 0.0 13.7 20.5#



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

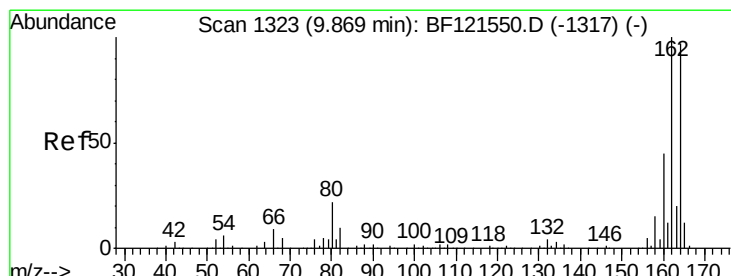
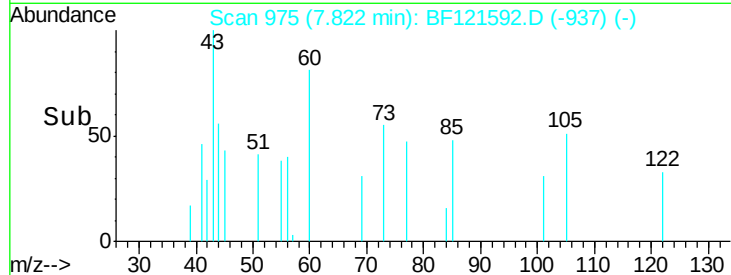
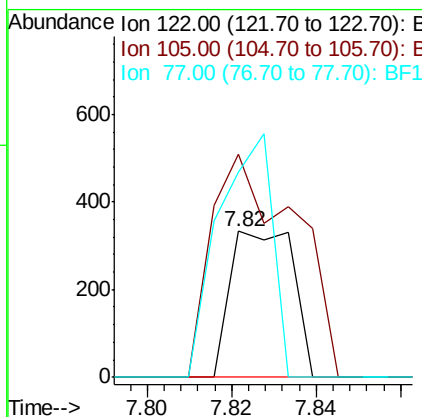
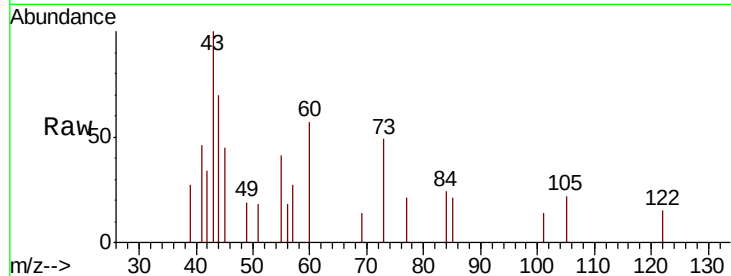




#32  
Benzoic acid  
Concen: 6.971 ng  
RT: 7.82 min Scan# 975  
Delta R.T. -0.08 min  
Lab File: BF121592.D  
Acq: 16 Sep 2020 12:30

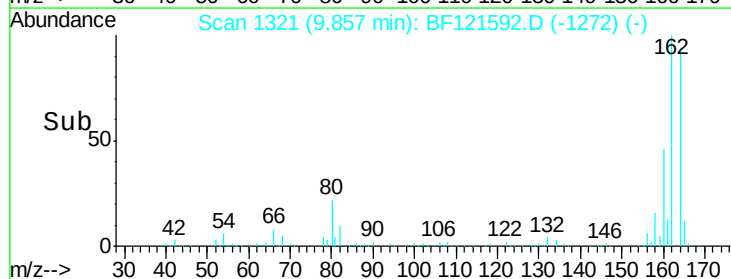
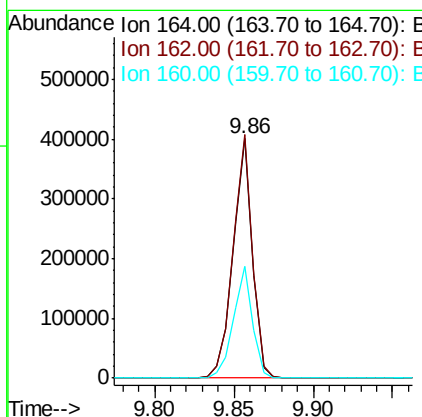
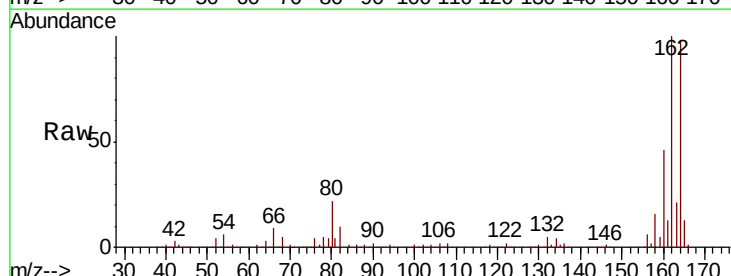
Instrument :  
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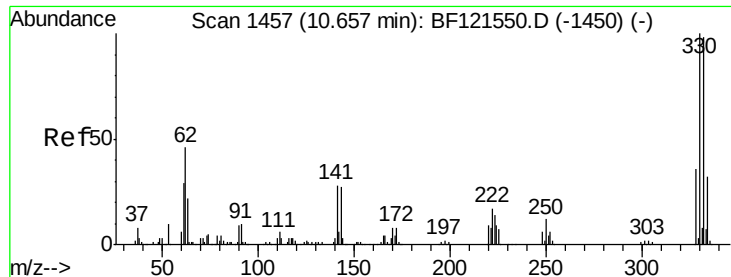
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 153.2 | 100.5 | 140.5# |
| 77      | 140.2 | 72.6  | 112.6# |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.86 min Scan# 1321  
Delta R.T. -0.01 min  
Lab File: BF121592.D  
Acq: 16 Sep 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.7 | 82.3  | 123.5 |
| 160     | 46.9  | 37.0  | 55.4  |

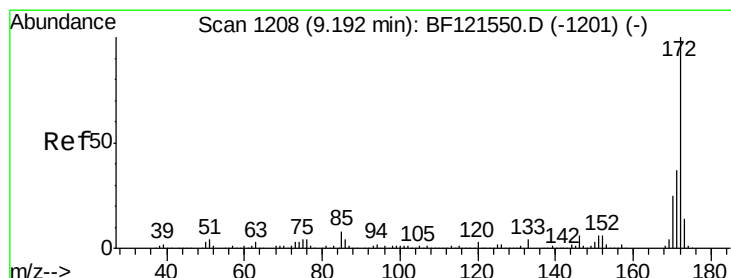
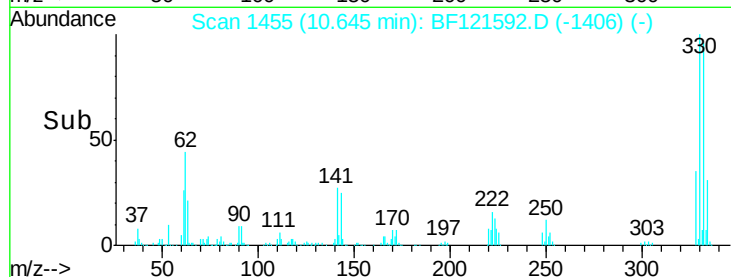
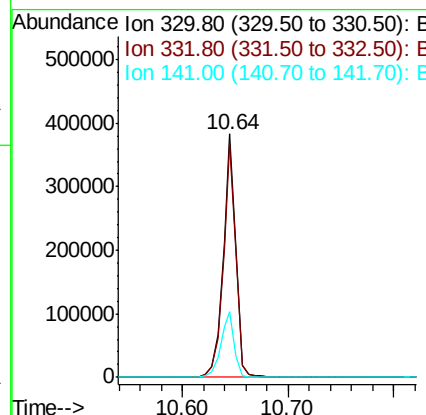
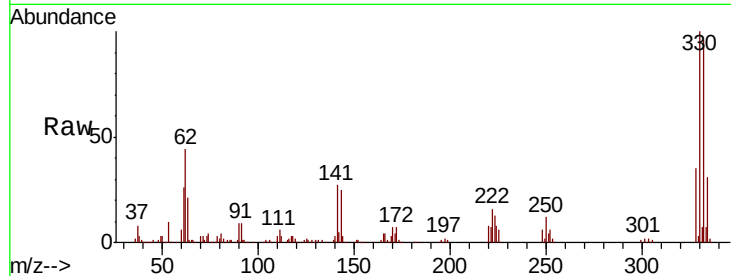




#42  
 2,4,6-Tribromophenol  
 Concen: 76.719 ng  
 RT: 10.64 min Scan# 1455  
 Delta R.T. -0.01 min  
 Lab File: BF121592.D  
 Acq: 16 Sep 2020 12:30

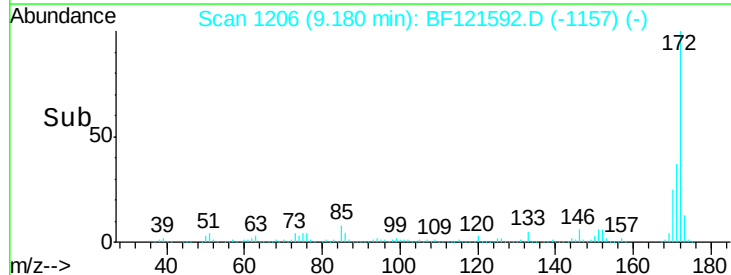
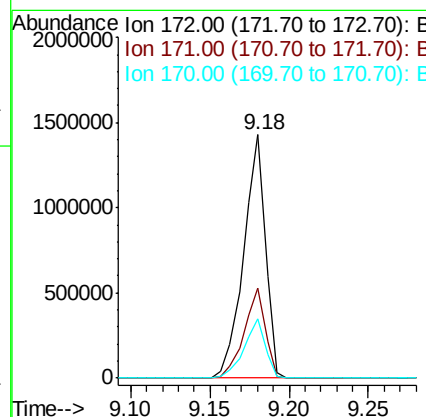
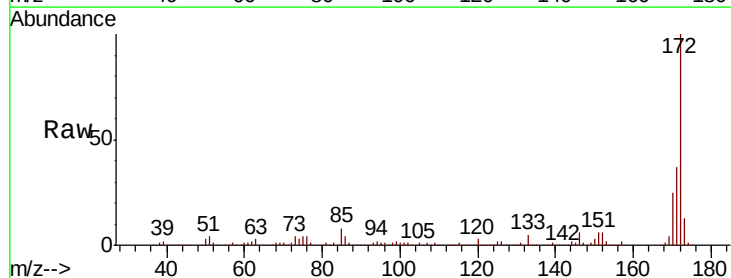
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HAYES-SEYMOUR-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 77.1  | 115.7 |
| 141     | 28.7  | 23.6  | 35.4  |

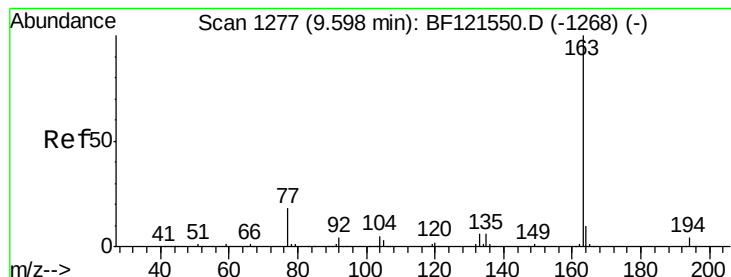


#45  
 2-Fluorobiphenyl  
 Concen: 60.514 ng  
 RT: 9.18 min Scan# 1206  
 Delta R.T. -0.01 min  
 Lab File: BF121592.D  
 Acq: 16 Sep 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 29.8  | 44.6  |
| 170     | 24.5  | 19.8  | 29.8  |







#50

Dimethylphthalate

Concen: 6.701 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.03 min

Lab File: BF121592.D

Acq: 16 Sep 2020 12:30

Instrument :

BNA\_F

ClientSampleId :

HAYES-SEYMOUR-01

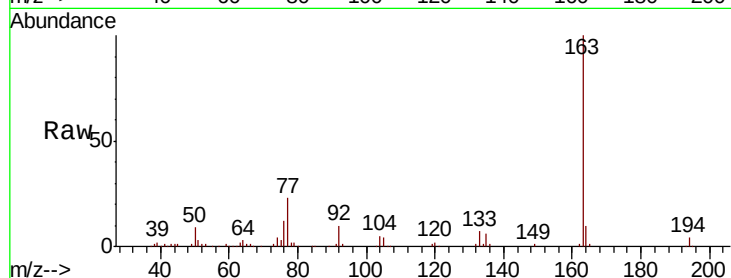
Tot Ion:163 Resp: 165252

Ion Ratio Lower Upper

163 100

194 3.7 3.4 5.0

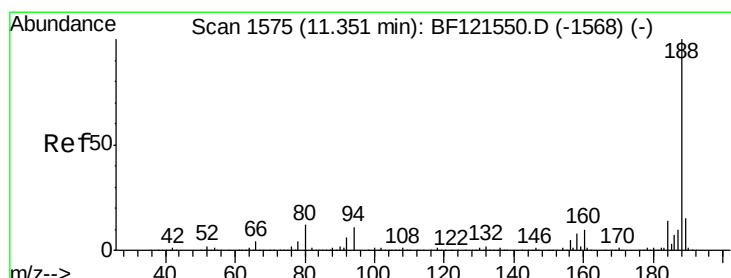
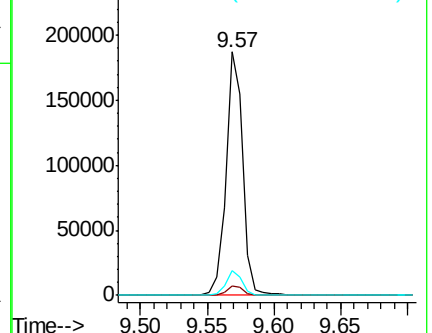
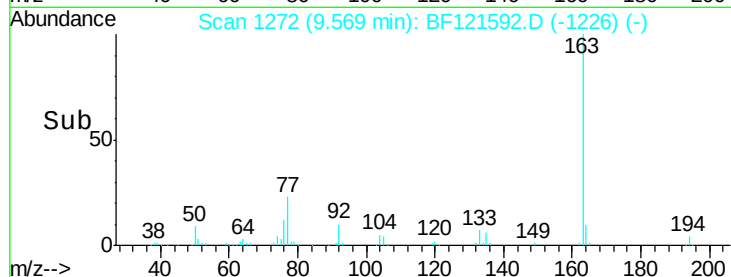
164 10.0 7.9 11.9



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF121592.D

Acq: 16 Sep 2020 12:30

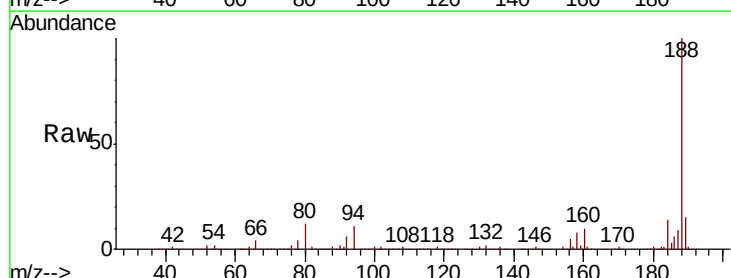
Tgt Ion:188 Resp: 604079

Ion Ratio Lower Upper

188 100

94 11.2 8.7 13.1

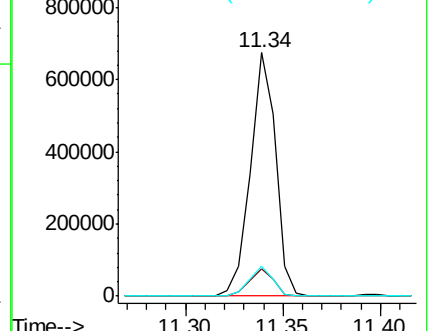
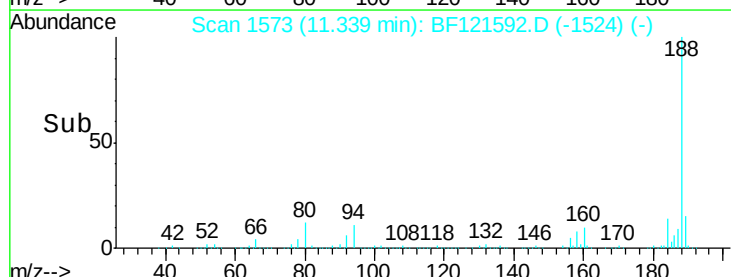
80 12.1 9.3 13.9

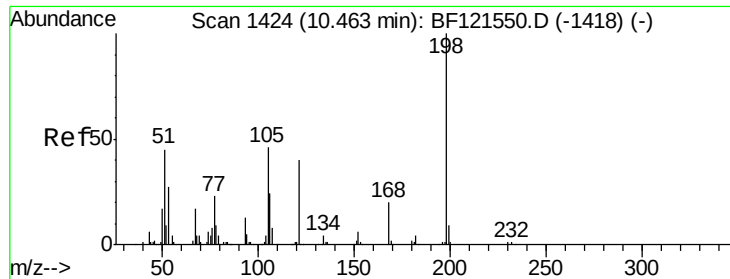


Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.999 ng

RT: 10.64 min Scan# 1455

Delta R.T. 0.18 min

Lab File: BF121592.D

Acq: 16 Sep 2020 12:30

Instrument :

BNA\_F

ClientSampleId :

HAYES-SEYMOUR-01

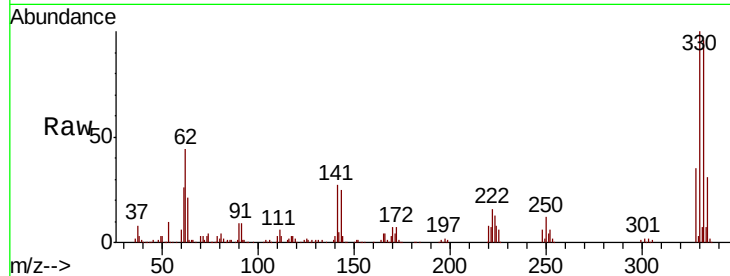
Tot Ion:198 Resp: 634

Ion Ratio Lower Upper

198 100

51 189.7 31.1 71.1#

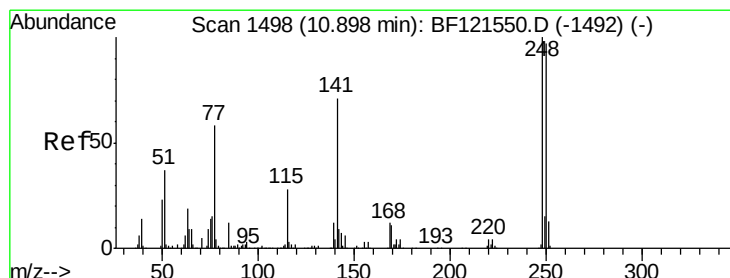
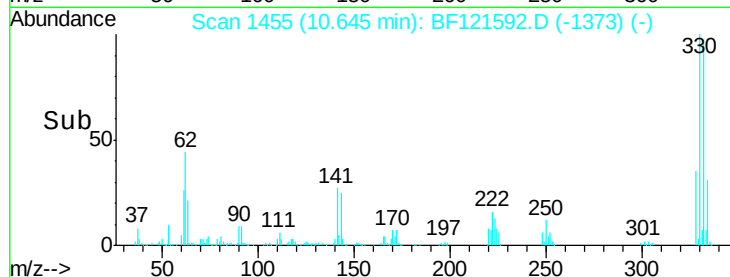
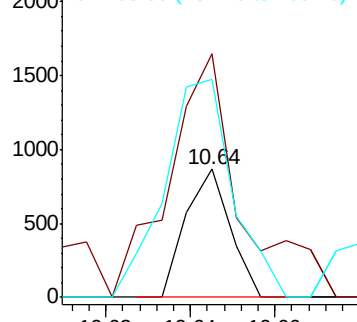
105 170.2 26.6 66.6#



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: 2.774 ng

RT: 10.64 min Scan# 1455

Delta R.T. -0.25 min

Lab File: BF121592.D

Acq: 16 Sep 2020 12:30

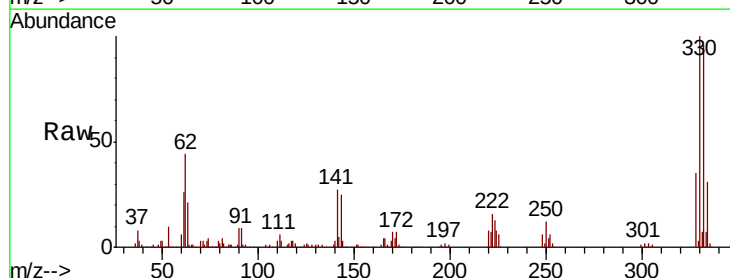
Tgt Ion:248 Resp: 19078

Ion Ratio Lower Upper

248 100

250 203.9 77.4 116.0#

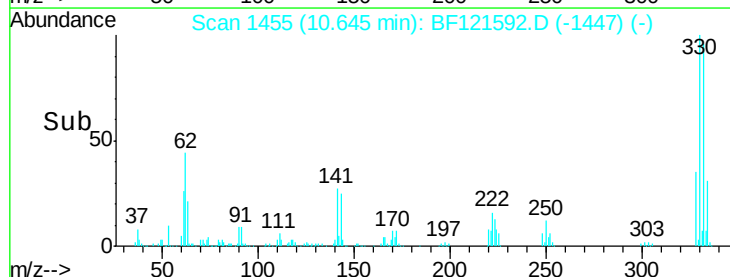
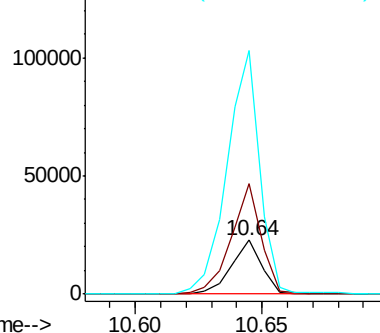
141 450.2 56.7 85.1#

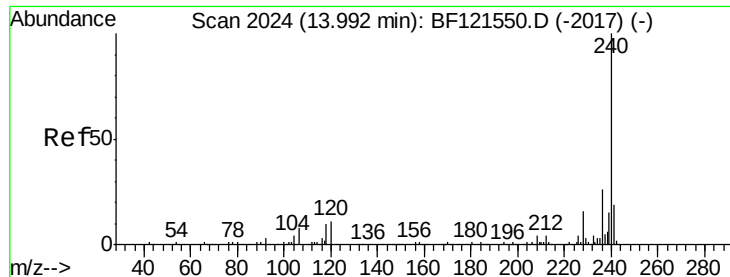


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

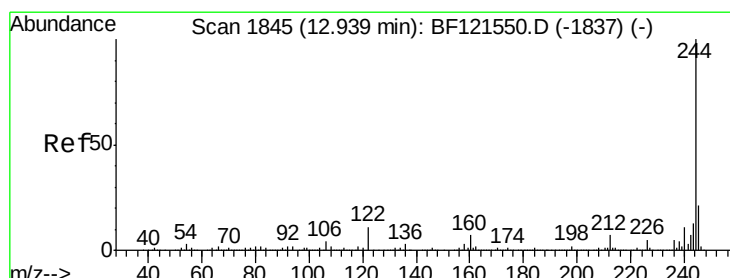
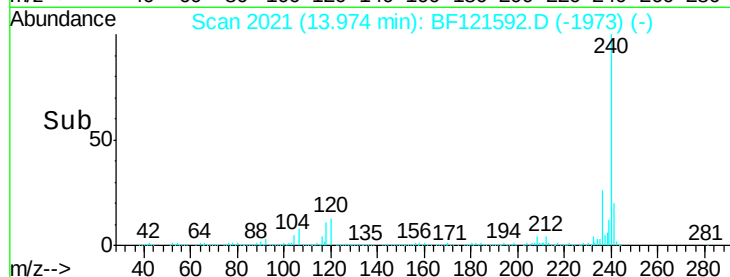
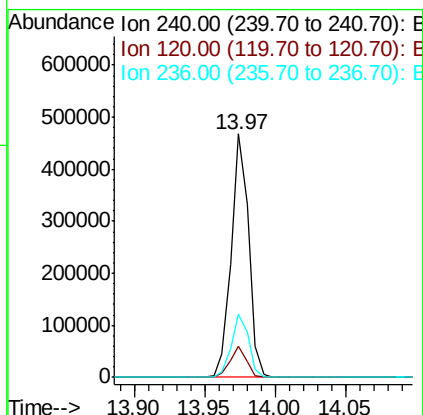
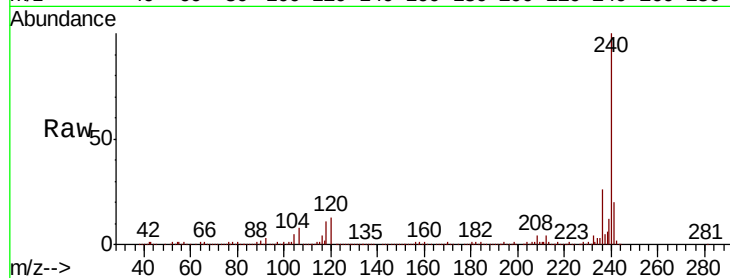




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.97 min Scan# 2021  
Delta R.T. -0.02 min  
Lab File: BF121592.D  
Acq: 16 Sep 2020 12:30

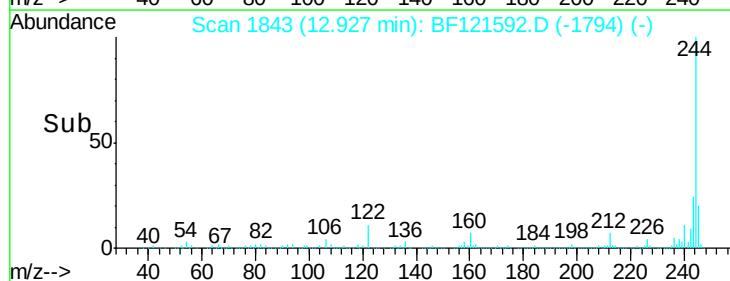
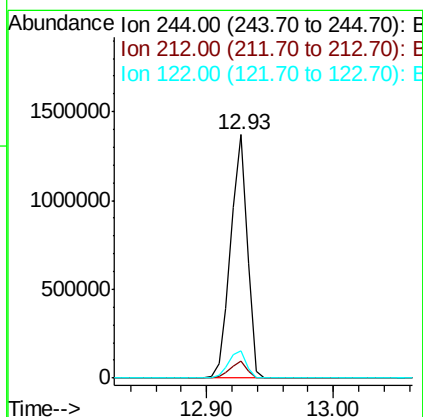
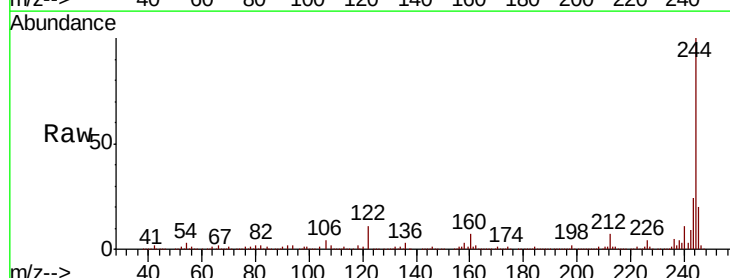
Instrument :  
BNA\_F  
ClientSampleId :  
HAYES-SEYMOUR-01

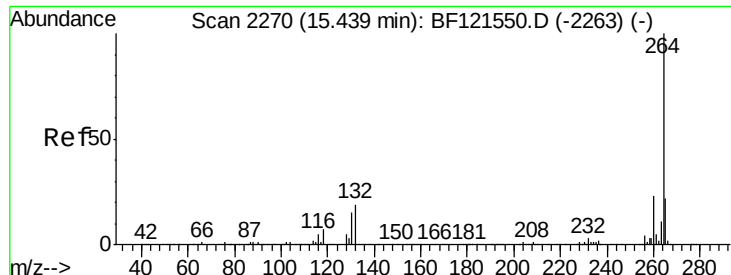
Tot Ion:240 Resp: 401507  
Ion Ratio Lower Upper  
240 100  
120 12.6 9.2 13.8  
236 26.0 20.5 30.7



#79  
Terphenyl-d14  
Concen: 62.535 ng  
RT: 12.93 min Scan# 1843  
Delta R.T. -0.01 min  
Lab File: BF121592.D  
Acq: 16 Sep 2020 12:30

Tgt Ion:244 Resp: 1239354  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.7 8.5  
122 11.3 8.7 13.1





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.43 min Scan# 2268  
Delta R.T. -0.01 min  
Lab File: BF121592.D  
Acq: 16 Sep 2020 12:30

Instrument :  
BNA\_F  
ClientSampleId :  
HAYES-SEYMOUR-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 18.8  | 28.2  |
| 265     | 21.5  | 17.8  | 26.6  |

