

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\  
 Data File : BF121629.D  
 Acq On : 21 Sep 2020 16:33  
 Operator : JU/CG  
 Sample : L4093-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KTS-GW-01-30

Quant Time: Sep 21 17:07:05 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 21 14:19:01 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.82  | 152  | 131359   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.10  | 136  | 518310   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.86  | 164  | 266864   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.35 | 188  | 499159   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.99 | 240  | 400758   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.45 | 264  | 325237   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.43  | 112  | 171673   | 19.42 | ng    | 0.00     |
| 7) Phenol-d6                | 6.45  | 99   | 155108   | 13.38 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 698751   | 72.38 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.65 | 330  | 105477   | 31.80 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.18  | 172  | 1126127  | 63.91 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.94 | 244  | 1248565  | 63.12 | ng    | 0.00     |

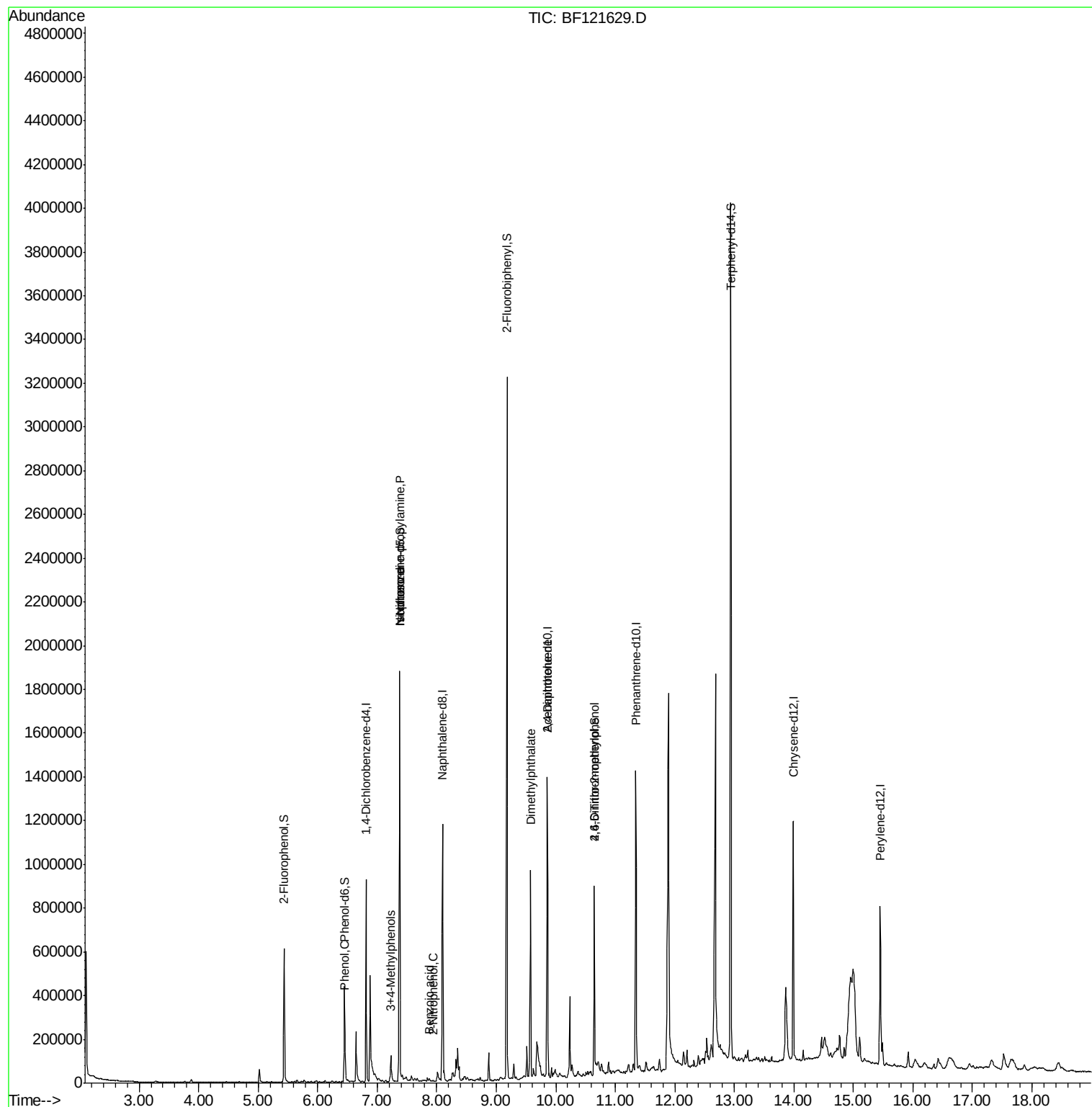
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 10) Phenol                     | 6.46  | 94   | 28428    | 2.302  | ng    | # 76   |
| 19) n-Nitroso-di-n-propylamine | 7.37  | 70   | 96257    | 14.403 | ng    | # 79   |
| 20) 3+4-Methylphenols          | 7.23  | 107  | 32402    | 3.522  | ng    | # 52   |
| 25) Isophorone                 | 7.38  | 82   | 691605   | 35.590 | ng    | # 67   |
| 26) 2-Nitrophenol              | 7.94  | 139  | 112      | 2.581  | ng    | # 33   |
| 32) Benzoic acid               | 7.87  | 122  | 907      | 7.056  | ng    | # 51   |
| 50) Dimethylphthalate          | 9.57  | 163  | 366588   | 18.953 | ng    | # 99   |
| 57) 2,4-Dinitrotoluene         | 9.86  | 165  | 34731    | 6.702  | ng    | # 23   |
| 65) 4,6-Dinitro-2-methylphenol | 10.65 | 198  | 108      | 6.882  | ng    | # 1    |

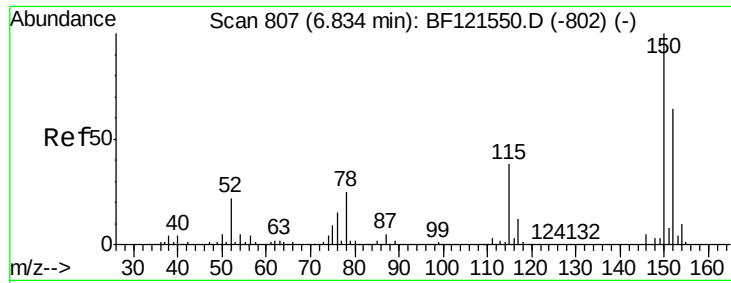
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 21 14:19:01 2020  
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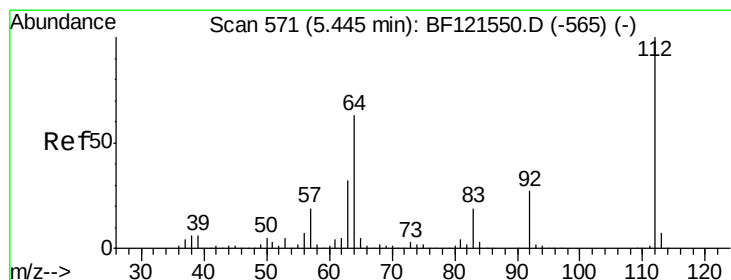
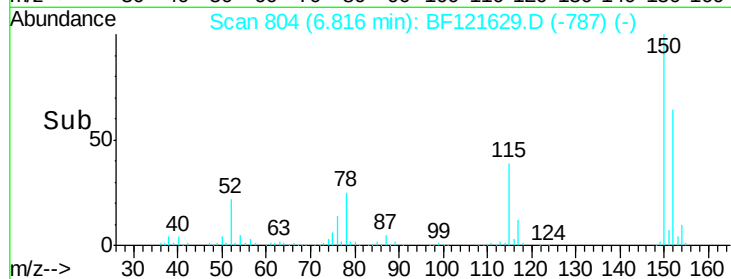
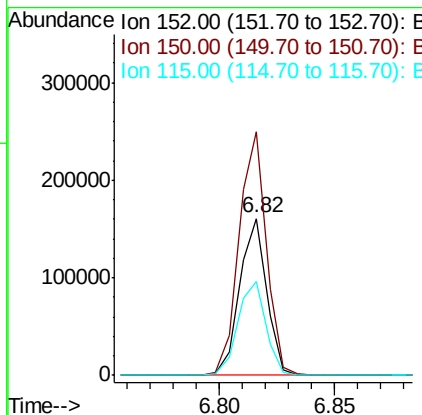
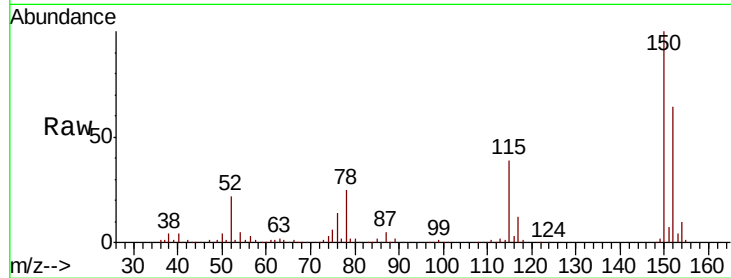


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 804  
Delta R.T. 0.00 min  
Lab File: BF121629.D  
Acq: 21 Sep 2020 16:33

Instrument :  
BNA\_F  
ClientSampleId :  
KTS-GW-01-30

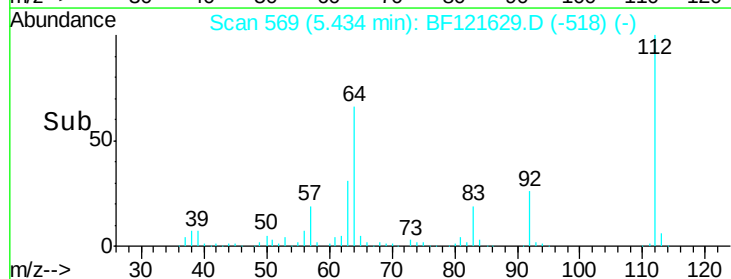
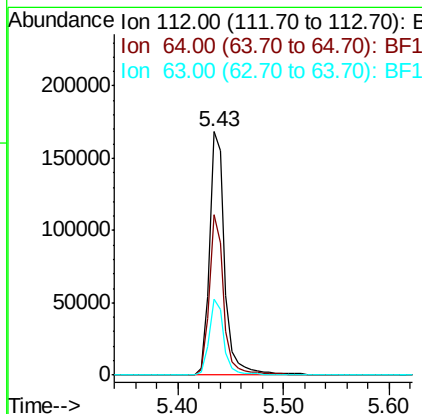
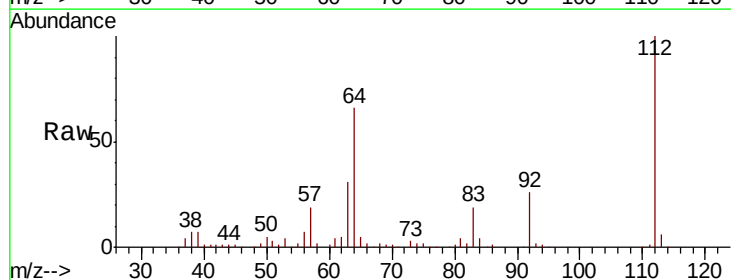
Tot Ion:152 Resp: 131359  
Ion Ratio Lower Upper  
152 100  
150 155.4 128.1 192.1  
115 59.9 52.6 79.0

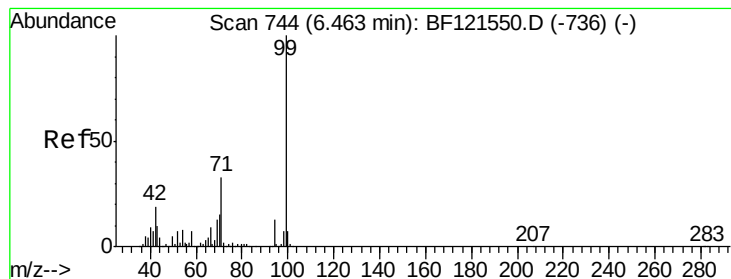


#5

2-Fluorophenol  
Concen: 19.422 ng  
RT: 5.43 min Scan# 569  
Delta R.T. 0.00 min  
Lab File: BF121629.D  
Acq: 21 Sep 2020 16:33

Tgt Ion:112 Resp: 171673  
Ion Ratio Lower Upper  
112 100  
64 65.9 52.2 78.2  
63 31.3 26.6 39.8





#7

Phenol-d6

Concen: 13.376 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.02 min

Lab File: BF121629.D

Acq: 21 Sep 2020 16:33

Instrument :

BNA\_F

ClientSampleId :

KTS-GW-01-30

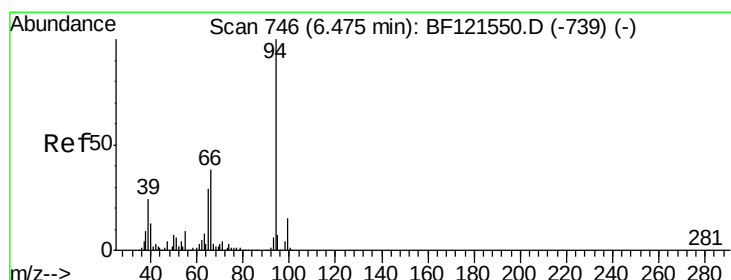
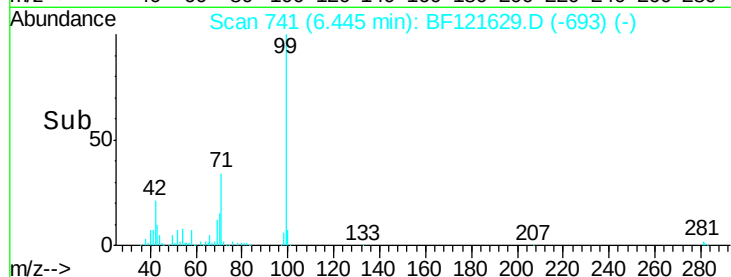
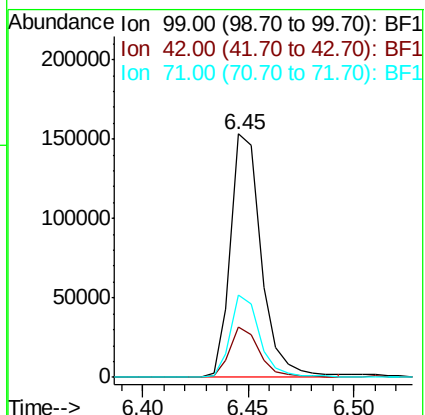
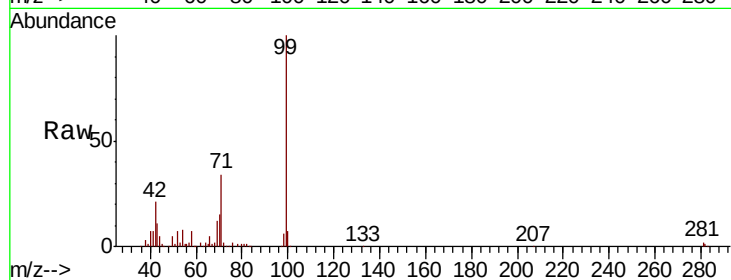
Tot Ion: 99 Resp: 155108

Ion Ratio Lower Upper

99 100

42 20.6 15.5 23.3

71 33.7 27.4 41.2



#10

Phenol

Concen: 2.302 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF121629.D

Acq: 21 Sep 2020 16:33

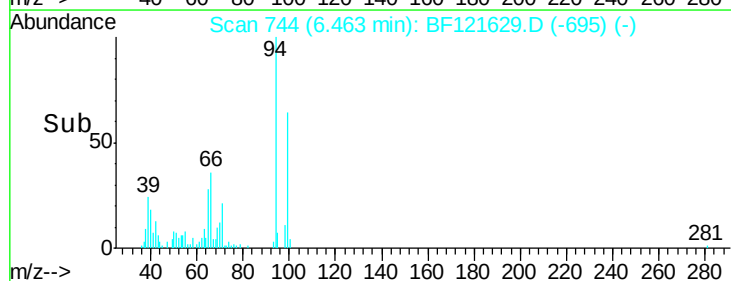
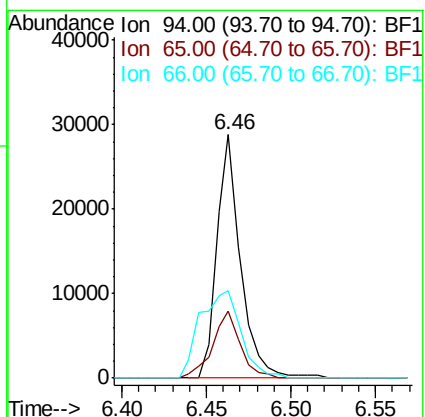
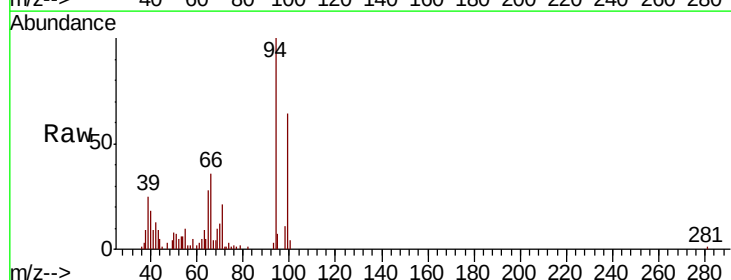
Tgt Ion: 94 Resp: 28428

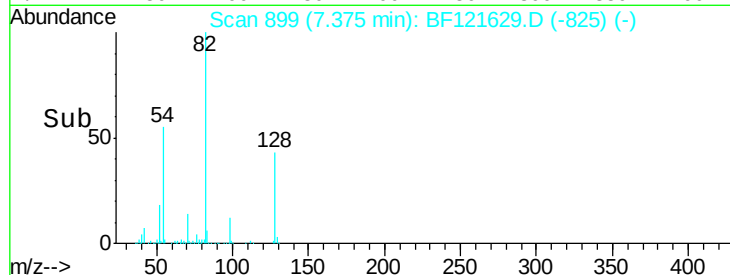
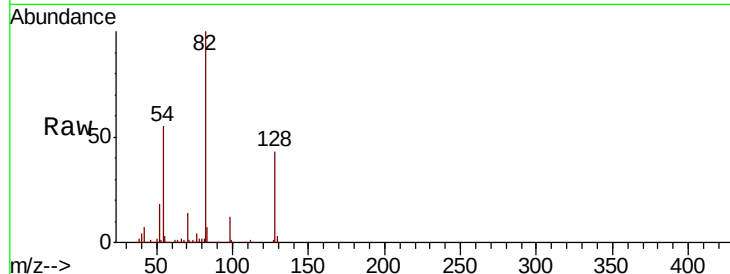
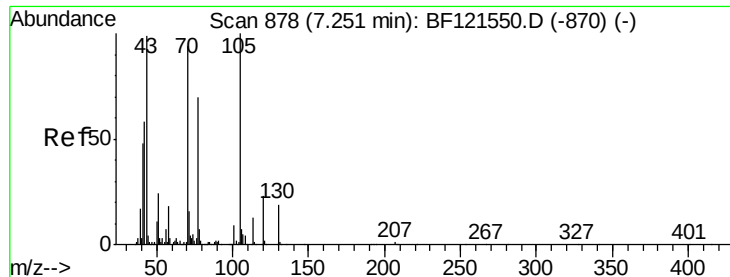
Ion Ratio Lower Upper

94 100

65 27.7 17.8 57.8

66 36.2 37.8 77.8#

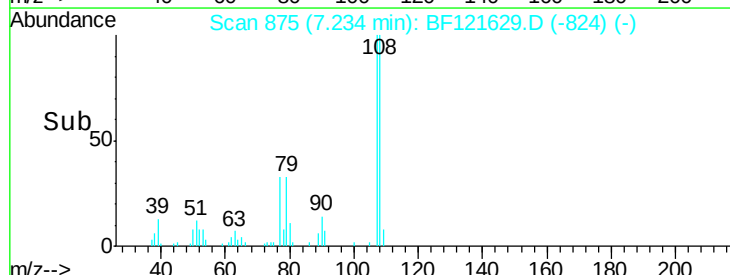
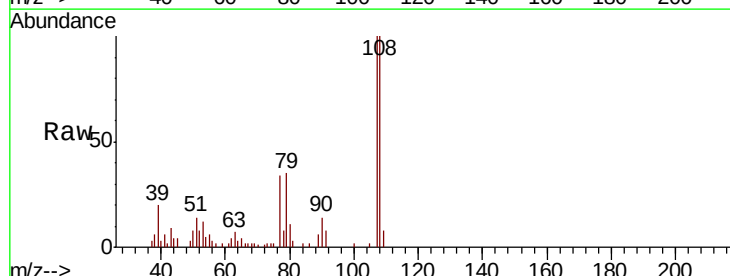
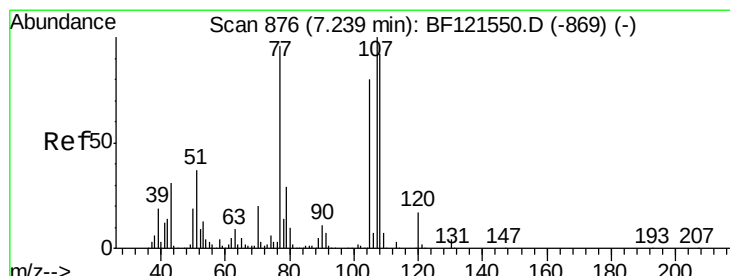
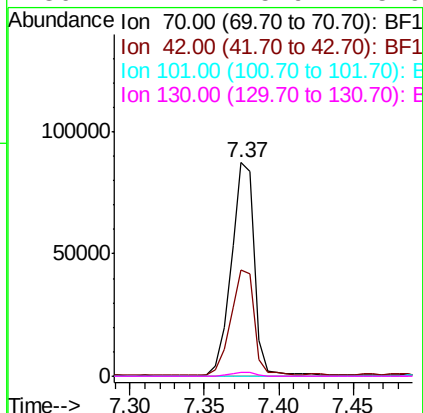




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.403 ng  
RT: 7.37 min Scan# 899  
Delta R.T. 0.14 min  
Lab File: BF121629.D  
Acq: 21 Sep 2020 16:33

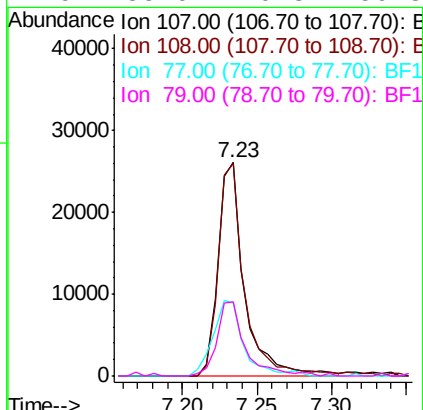
Instrument :  
BNA\_F  
ClientSampleId :  
KTS-GW-01-30

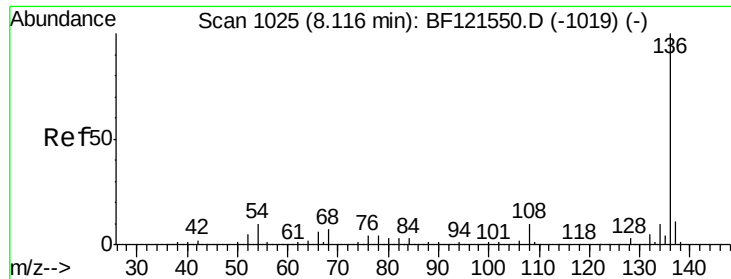
Tot Ion: 70 Resp: 96257  
Ion Ratio Lower Upper  
70 100  
42 50.0 48.3 72.5  
101 0.0 7.6 11.4#  
130 1.7 15.9 23.9#



#20  
3+4-Methylphenols  
Concen: 3.522 ng  
RT: 7.23 min Scan# 875  
Delta R.T. 0.00 min  
Lab File: BF121629.D  
Acq: 21 Sep 2020 16:33

Tgt Ion: 107 Resp: 32402  
Ion Ratio Lower Upper  
107 100  
108 99.5 67.0 107.0  
77 34.0 107.7 147.7#  
79 35.0 10.3 50.3

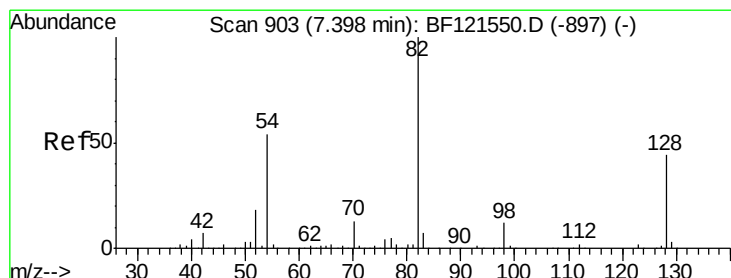
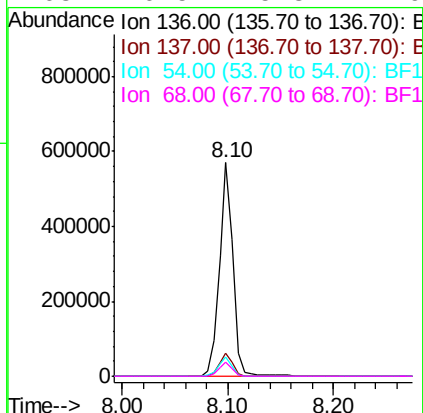
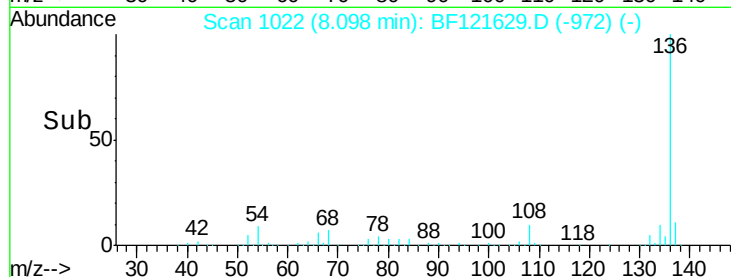
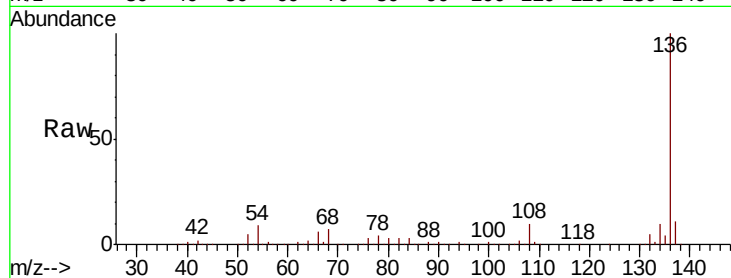




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.10 min Scan# 1022  
Delta R.T. -0.01 min  
Lab File: BF121629.D  
Acq: 21 Sep 2020 16:33

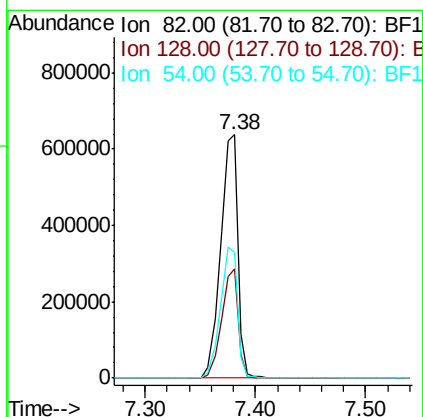
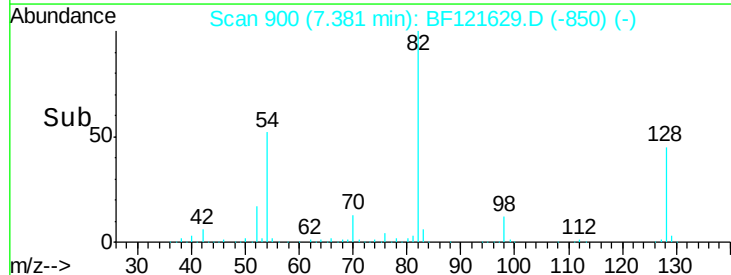
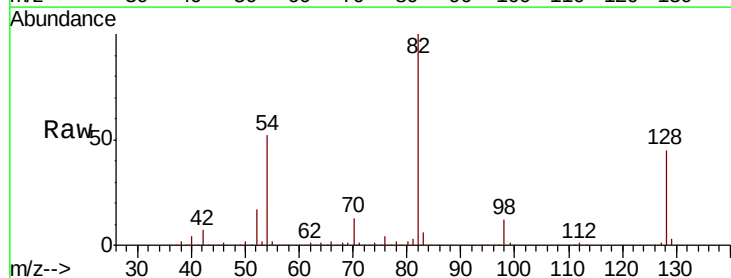
Instrument :  
BNA\_F  
ClientSampleId :  
KTS-GW-01-30

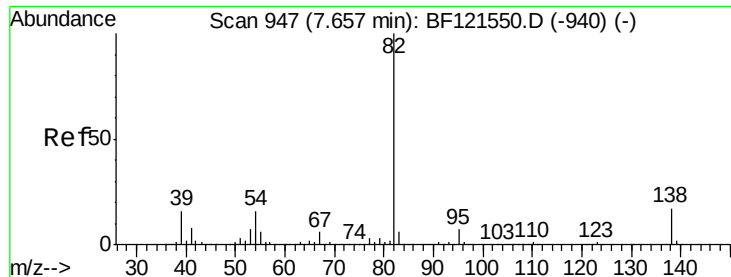
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 518310      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.1  | 8.9 13.3    |
| 54          | 9.3   | 7.4 11.0    |
| 68          | 6.5   | 5.3 7.9     |



#23  
Nitrobenzene-d5  
Concen: 72.384 ng  
RT: 7.38 min Scan# 900  
Delta R.T. -0.01 min  
Lab File: BF121629.D  
Acq: 21 Sep 2020 16:33

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 698751      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 44.9  | 33.9 50.9   |
| 54          | 51.8  | 42.9 64.3   |





#25

Isophorone

Concen: 35.590 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF121629.D

Acq: 21 Sep 2020 16:33

Instrument :

BNA\_F

ClientSampleId :

KTS-GW-01-30

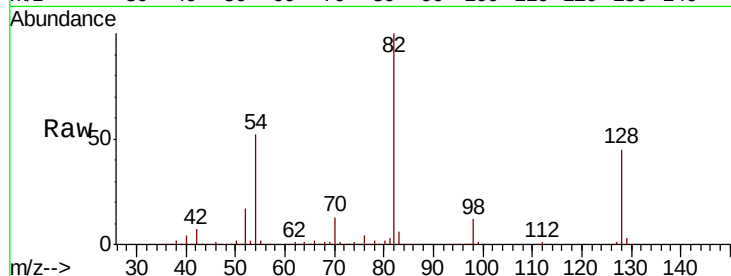
Tot Ion: 82 Resp: 691605

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

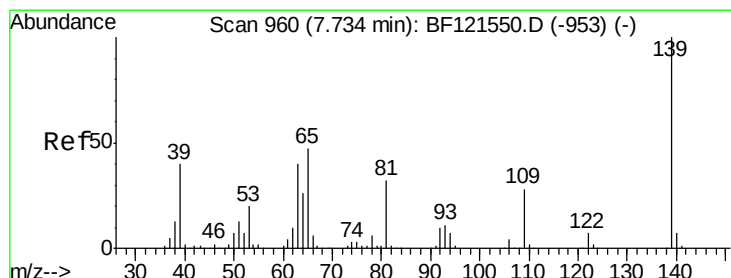
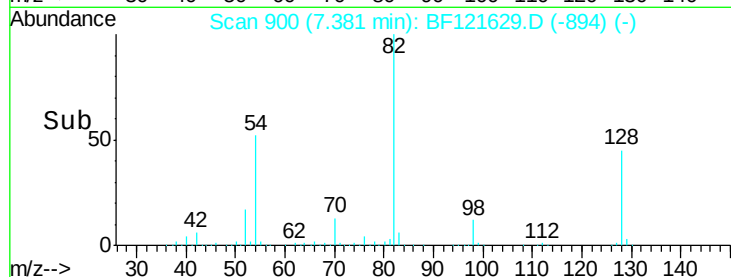
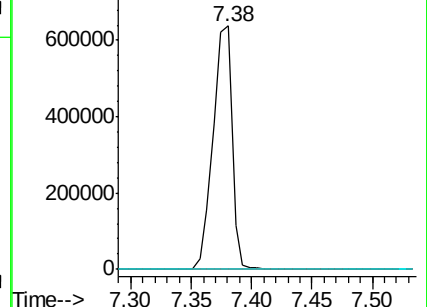
138 0.0 13.2 19.8#



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



#26

2-Nitrophenol

Concen: 2.581 ng

RT: 7.94 min Scan# 995

Delta R.T. 0.22 min

Lab File: BF121629.D

Acq: 21 Sep 2020 16:33

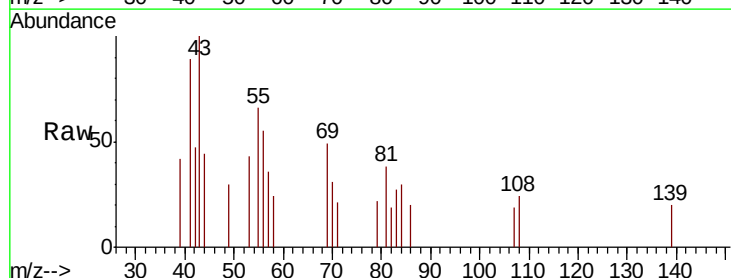
Tgt Ion: 139 Resp: 112

Ion Ratio Lower Upper

139 100

109 0.0 23.4 35.2#

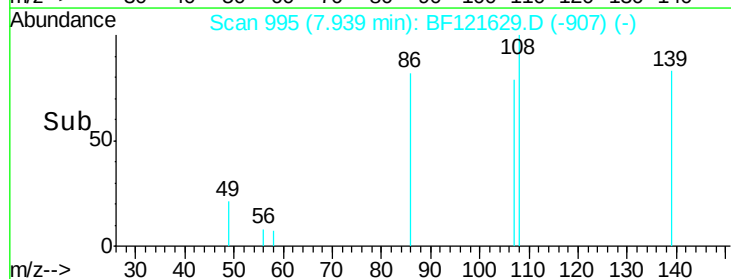
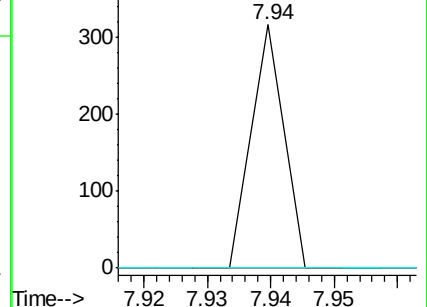
65 0.0 41.0 61.4#

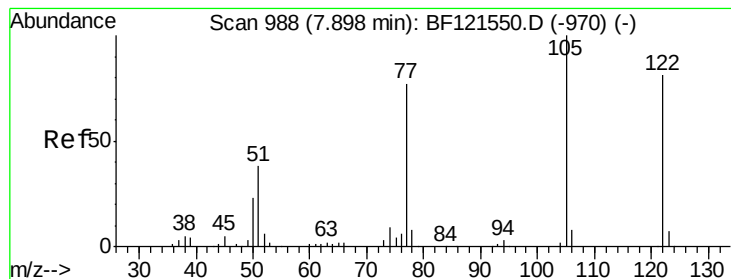


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#32

Benzoic acid

Concen: 7.056 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.03 min

Lab File: BF121629.D

Acq: 21 Sep 2020 16:33

Instrument :

BNA\_F

ClientSampleId :

KTS-GW-01-30

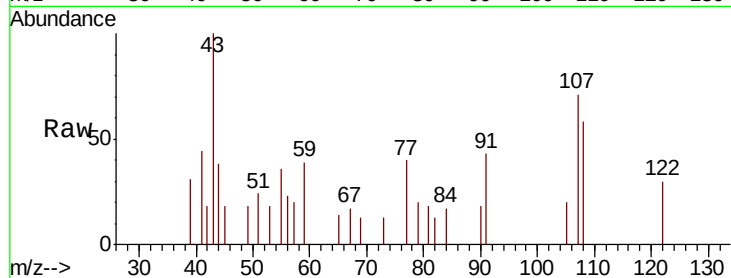
Tot Ion:122 Resp: 907

Ion Ratio Lower Upper

122 100

105 65.8 101.9 141.9#

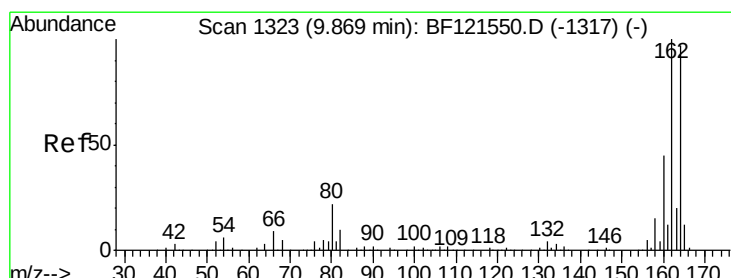
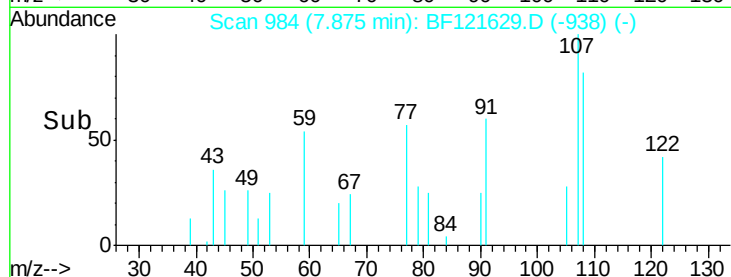
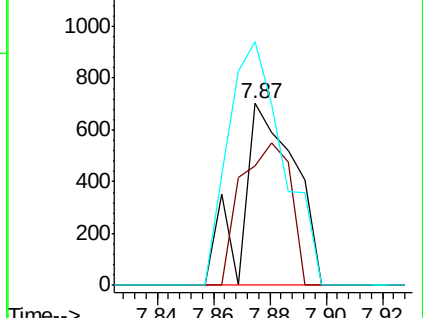
77 133.9 69.0 109.0#



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: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF121629.D

Acq: 21 Sep 2020 16:33

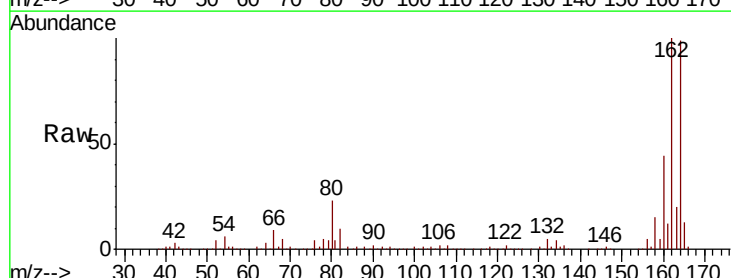
Tgt Ion:164 Resp: 266864

Ion Ratio Lower Upper

164 100

162 101.5 81.2 121.8

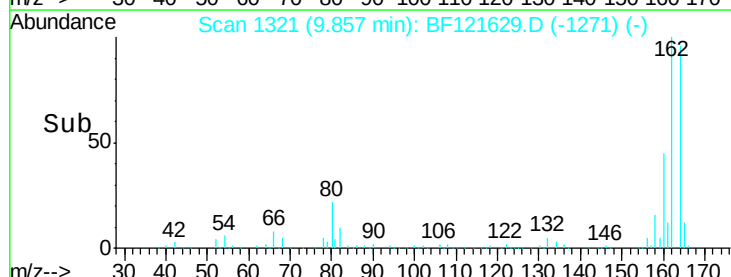
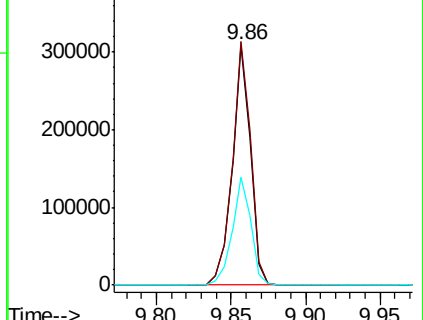
160 45.1 36.2 54.4



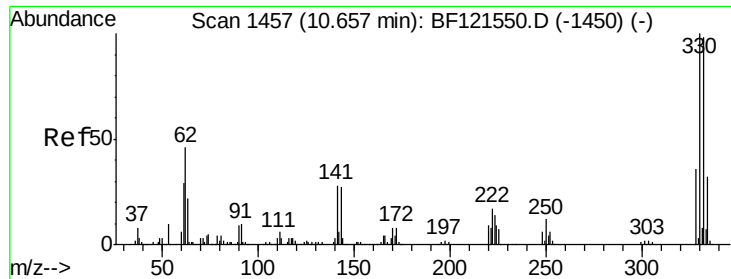
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E







#42

2,4,6-Tribromophenol

Concen: 31.801 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BF121629.D

Acq: 21 Sep 2020 16:33

Instrument :

BNA\_F

ClientSampled :

KTS-GW-01-30

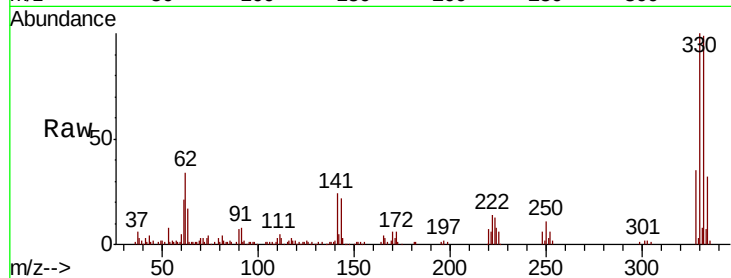
Tot Ion:330 Resp: 105477

Ion Ratio Lower Upper

330 100

332 97.0 76.9 115.3

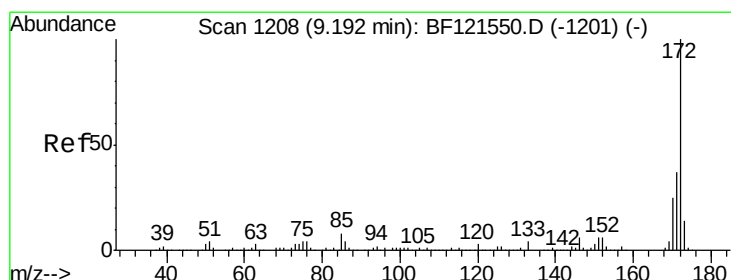
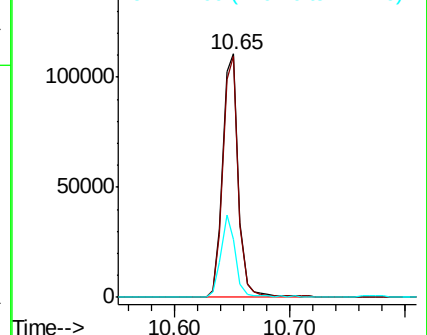
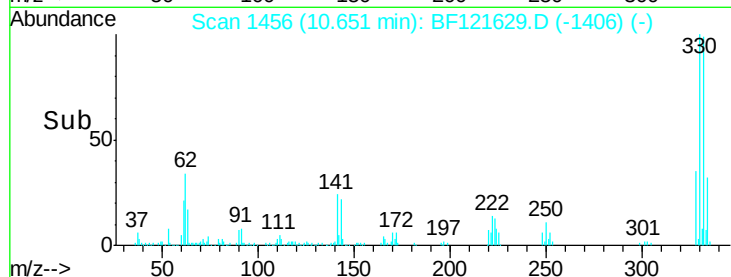
141 30.8 22.4 33.6



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: 63.911 ng

RT: 9.18 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF121629.D

Acq: 21 Sep 2020 16:33

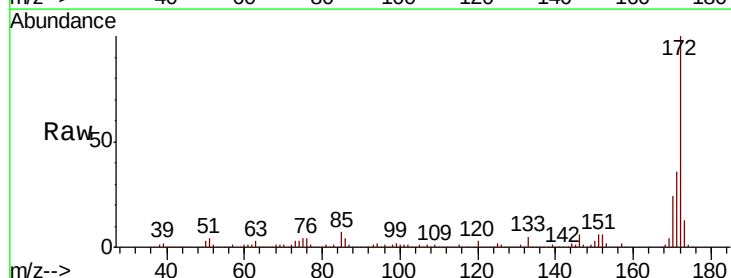
Tgt Ion:172 Resp: 1126127

Ion Ratio Lower Upper

172 100

171 36.1 29.3 43.9

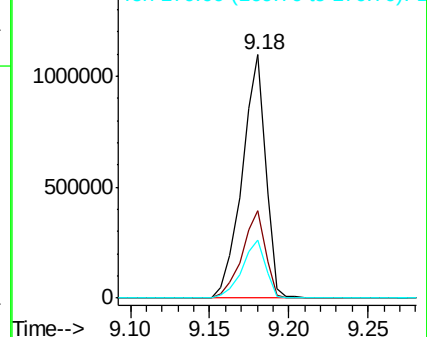
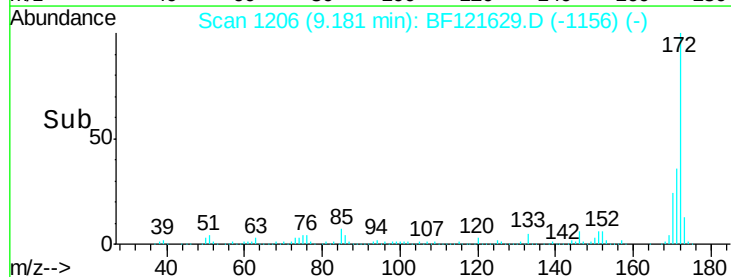
170 23.8 19.5 29.3

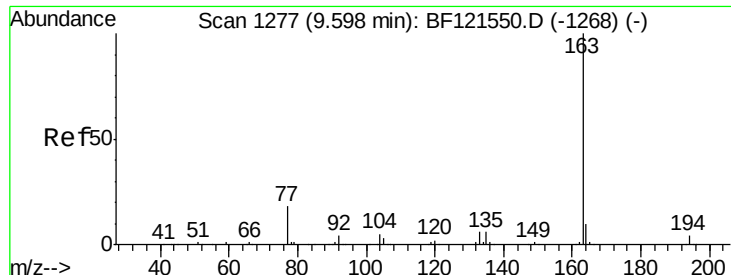


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

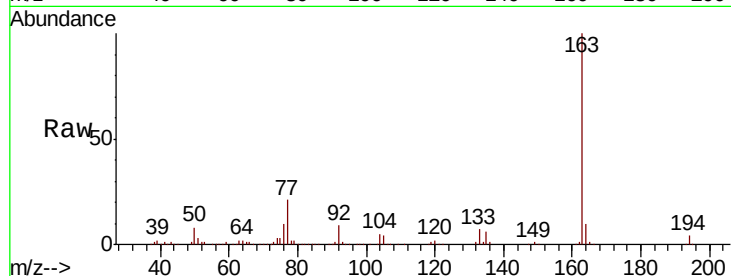




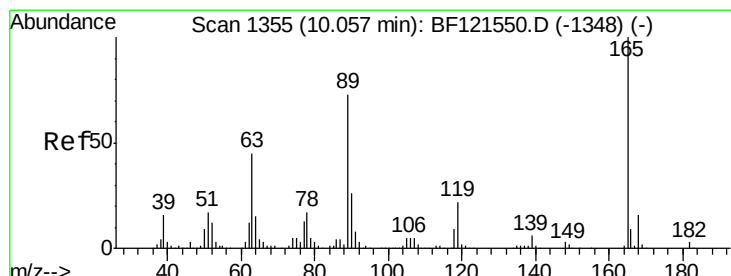
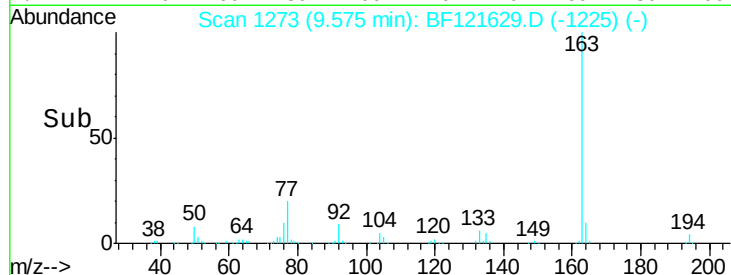
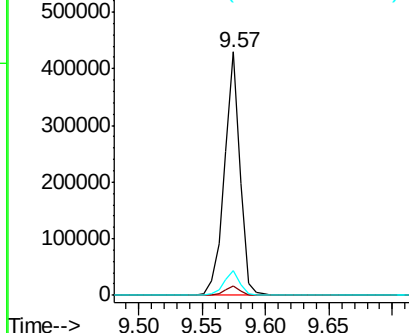
#50  
Dimethylphthalate  
Concen: 18.953 ng  
RT: 9.57 min Scan# 1273  
Delta R.T. -0.02 min  
Lab File: BF121629.D  
Acq: 21 Sep 2020 16:33

Instrument :  
BNA\_F  
ClientSampleId :  
KTS-GW-01-30

Tot Ion:163 Resp: 366588  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.3 4.9  
164 10.2 8.0 12.0

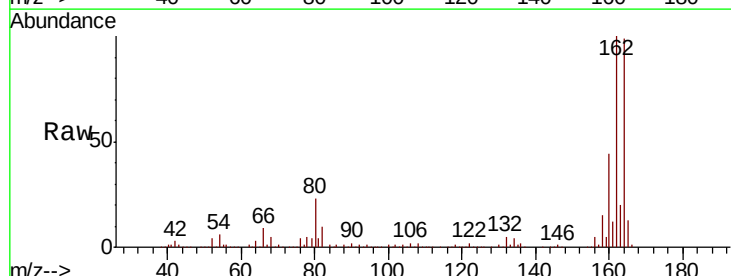


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

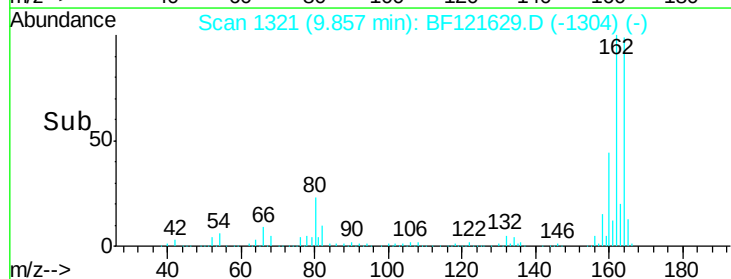
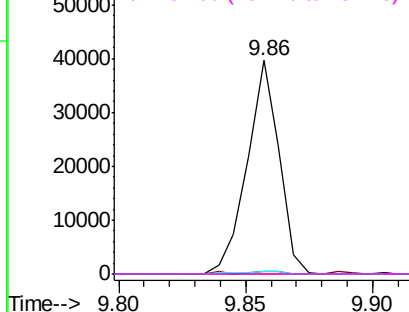


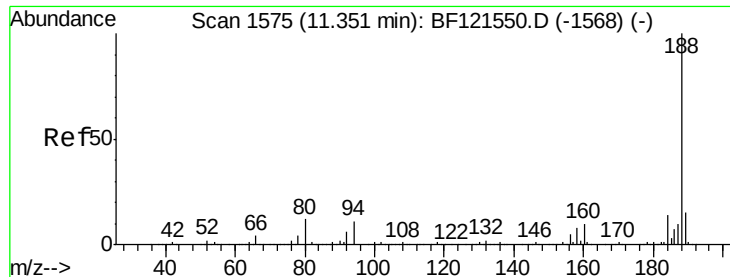
#57  
2,4-Dinitrotoluene  
Concen: 6.702 ng  
RT: 9.86 min Scan# 1321  
Delta R.T. -0.20 min  
Lab File: BF121629.D  
Acq: 21 Sep 2020 16:33

Tgt Ion:165 Resp: 34731  
Ion Ratio Lower Upper  
165 100  
63 1.2 36.7 55.1#  
89 1.3 57.7 86.5#  
182 0.0 2.1 3.1#



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  
Ion 182.00 (181.70 to 182.70): E

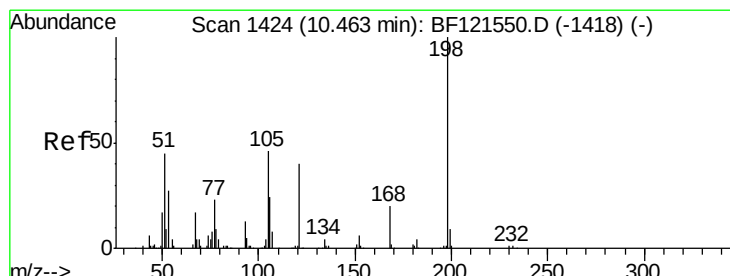
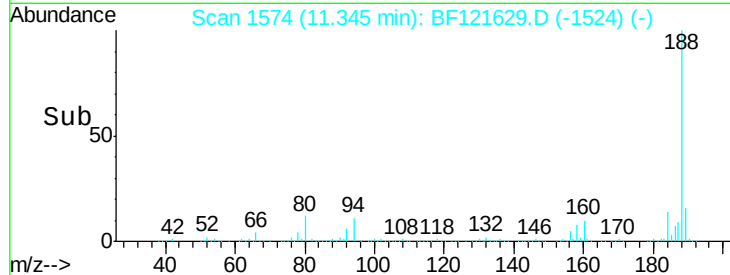
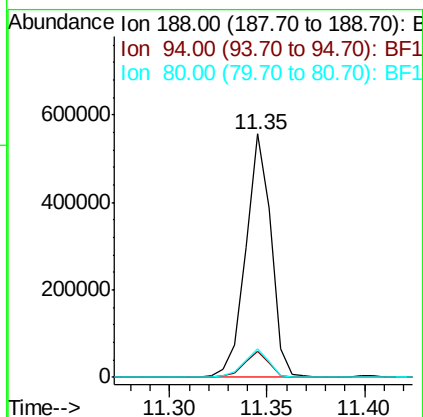
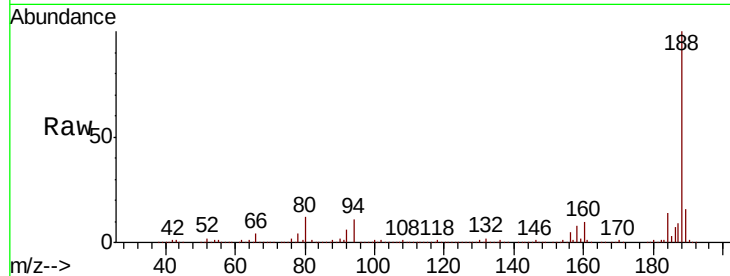




#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.35 min Scan# 1574  
 Delta R.T. -0.01 min  
 Lab File: BF121629.D  
 Acq: 21 Sep 2020 16:33

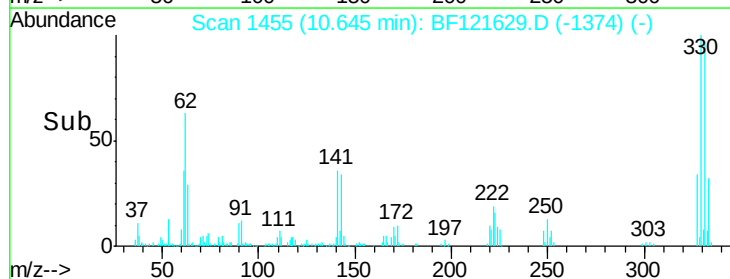
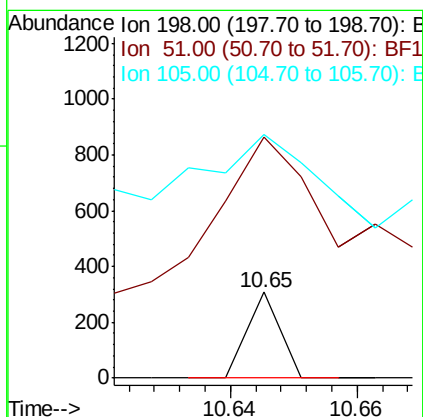
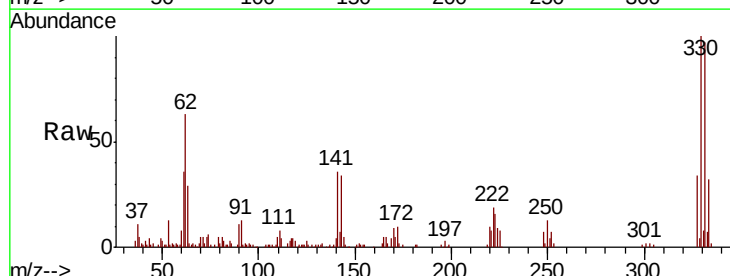
Instrument :  
 BNA\_F  
 ClientSampleId :  
 KTS-GW-01-30

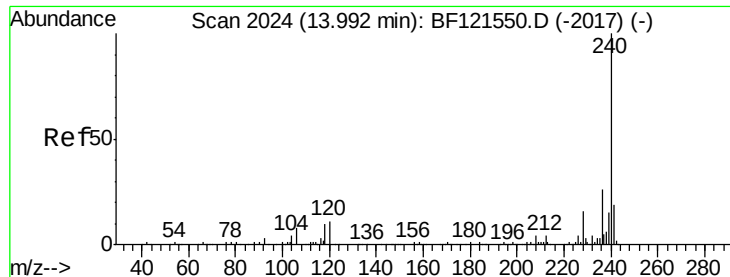
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:188 | Resp: | 499159      |
| Ion         | Ratio | Lower Upper |
| 188         | 100   |             |
| 94          | 10.6  | 8.4 12.6    |
| 80          | 11.7  | 9.0 13.4    |



#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 6.882 ng  
 RT: 10.65 min Scan# 1455  
 Delta R.T. 0.18 min  
 Lab File: BF121629.D  
 Acq: 21 Sep 2020 16:33

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:198 | Resp: | 108         |
| Ion         | Ratio | Lower Upper |
| 198         | 100   |             |
| 51          | 281.1 | 20.3 60.3#  |
| 105         | 284.4 | 20.2 60.2#  |

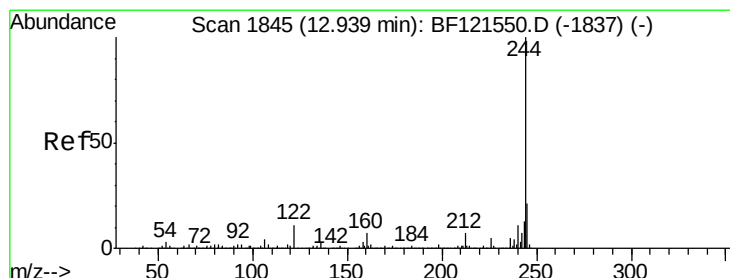
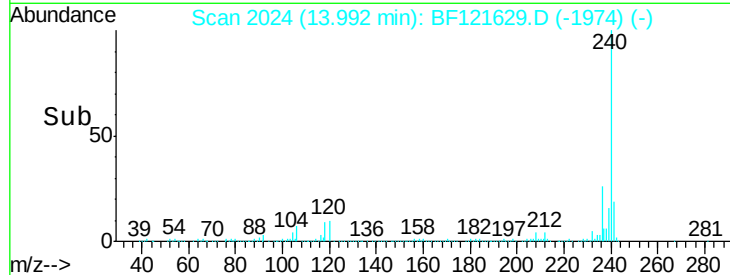
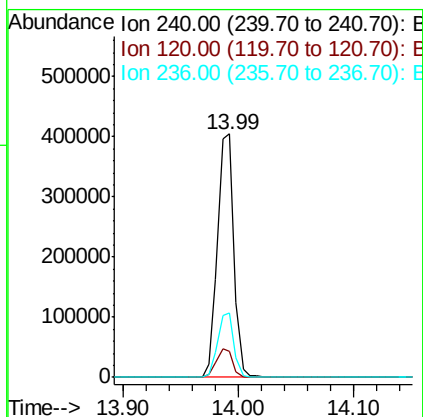
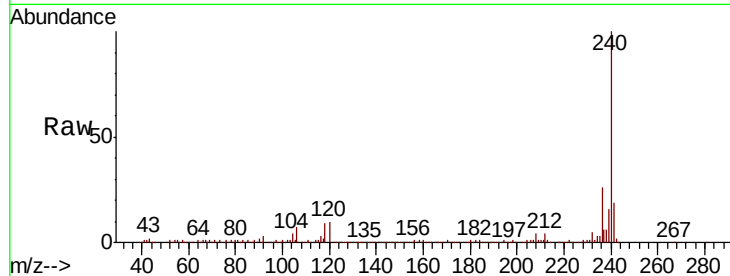




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.99 min Scan# 2024  
Delta R.T. -0.01 min  
Lab File: BF121629.D  
Acq: 21 Sep 2020 16:33

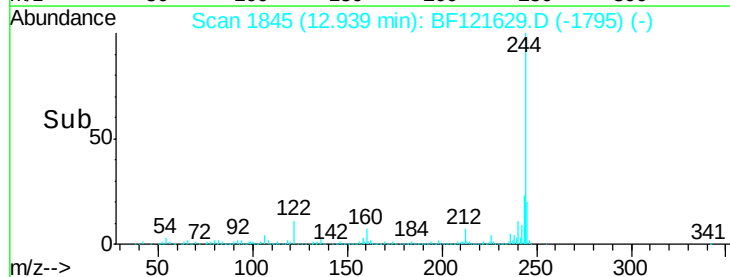
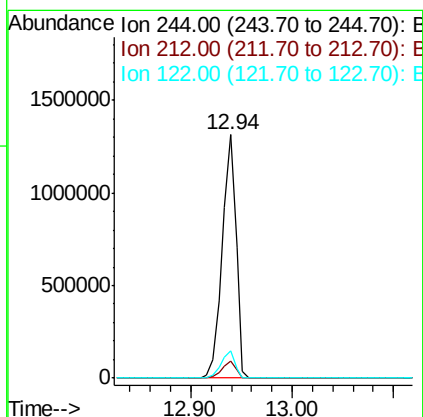
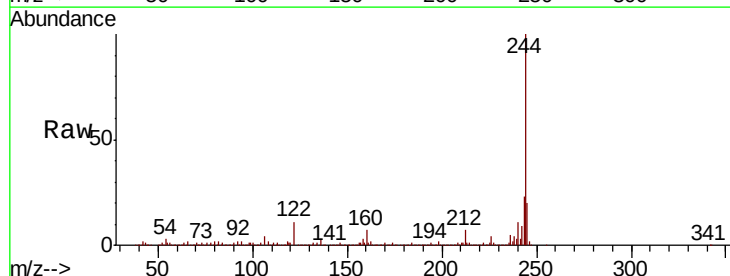
Instrument :  
BNA\_F  
ClientSampleId :  
KTS-GW-01-30

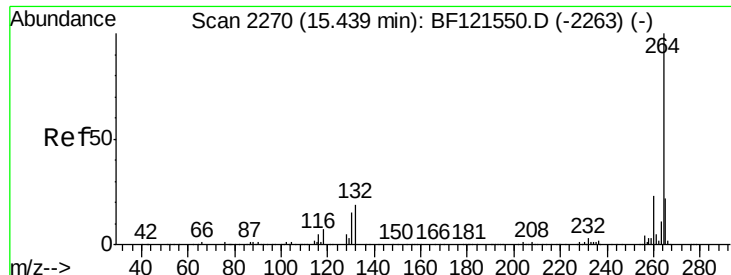
Tot Ion:240 Resp: 400758  
Ion Ratio Lower Upper  
240 100  
120 10.5 9.2 13.8  
236 26.2 20.4 30.6



#79  
Terphenyl-d14  
Concen: 63.117 ng  
RT: 12.94 min Scan# 1845  
Delta R.T. -0.01 min  
Lab File: BF121629.D  
Acq: 21 Sep 2020 16:33

Tgt Ion:244 Resp: 1248565  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.5 8.3  
122 11.0 7.4 11.0

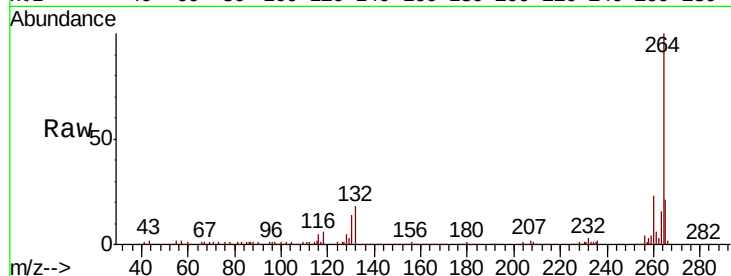




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.45 min Scan# 2272  
Delta R.T. -0.01 min  
Lab File: BF121629.D  
Acq: 21 Sep 2020 16:33

Instrument :  
BNA\_F  
ClientSampleId :  
KTS-GW-01-30

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 325237 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.2  | 18.8  | 28.2   |
| 265      | 21.3  | 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

