

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\  
 Data File : BP000895.D  
 Acq On : 18 Oct 2019 23:04  
 Operator : JU  
 Sample : K5420-07  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 TP-4

Quant Time: Oct 19 02:22:25 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 16:40:44 2019  
 Response via : Initial Calibration

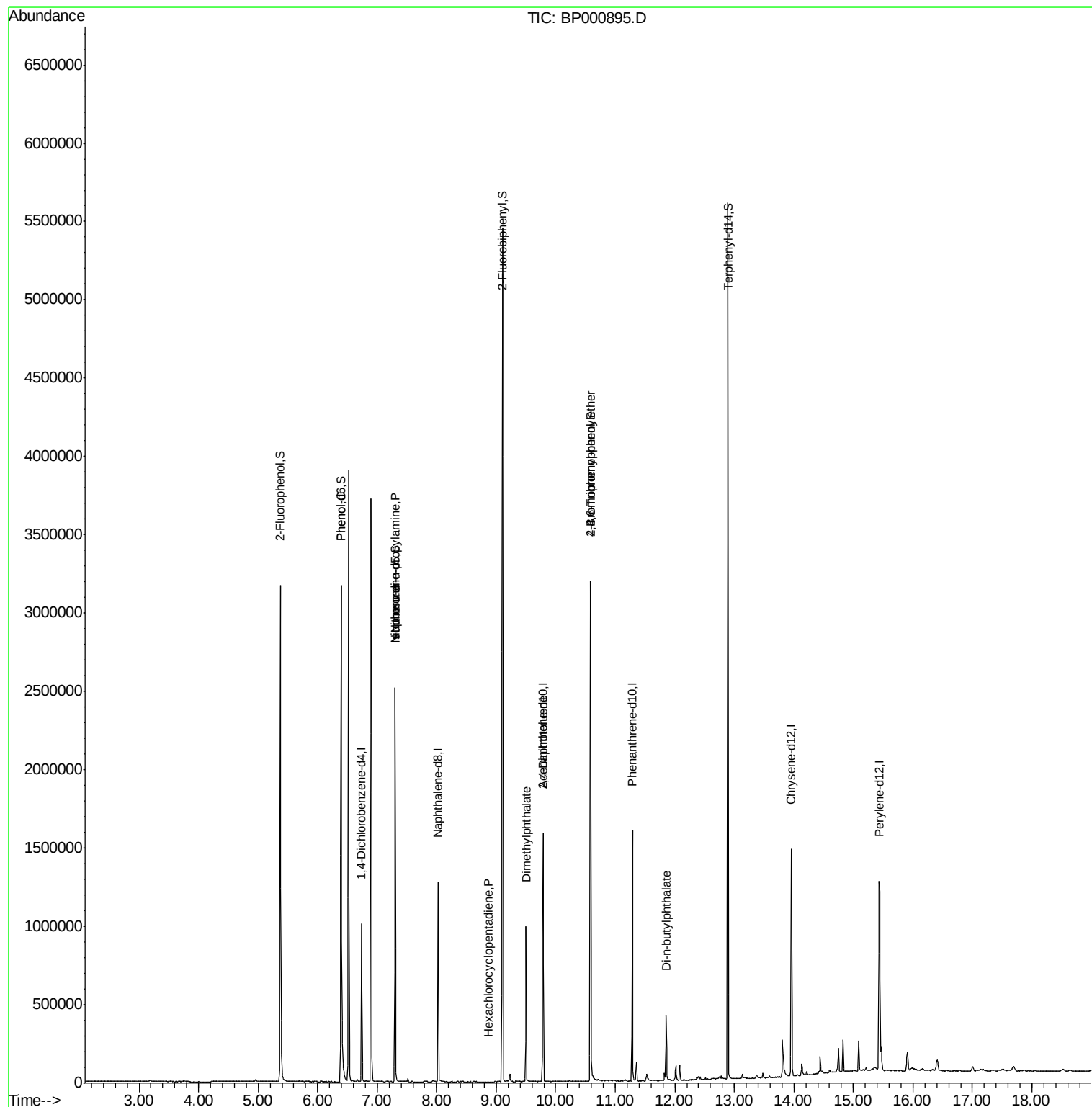
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.74  | 152  | 148470   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.02  | 136  | 529146   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.79  | 164  | 292182   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.29 | 188  | 544900   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.96 | 240  | 499323   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.43 | 264  | 570625   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.38  | 112  | 1117924  | 121.03 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.40  | 99   | 1421563  | 127.72 | ng    | 0.01     |
| 23) Nitrobenzene-d5            | 7.30  | 82   | 779184   | 89.94  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.59 | 330  | 456239   | 146.53 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.10  | 172  | 1672147  | 92.60  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.89 | 244  | 2058907  | 83.49  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.40  | 94   | 36022    | 3.161  | ng    | 89       |
| 19) n-Nitroso-di-n-propylamine | 7.30  | 70   | 97405    | 18.986 | ng    | # 74     |
| 25) Isophorone                 | 7.30  | 82   | 778663   | 50.640 | ng    | # 61     |
| 41) Hexachlorocyclopentadiene  | 8.88  | 237  | 25       | 7.303  | ng    | 78       |
| 50) Dimethylphthalate          | 9.50  | 163  | 420171   | 20.696 | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 9.79  | 165  | 38372    | 6.537  | ng    | # 31     |
| 67) 4-Bromophenyl-phenylether  | 10.59 | 248  | 30740    | 5.012  | ng    | # 1      |
| 74) Di-n-butylphthalate        | 11.86 | 149  | 191842   | 6.261  | ng    | 100      |

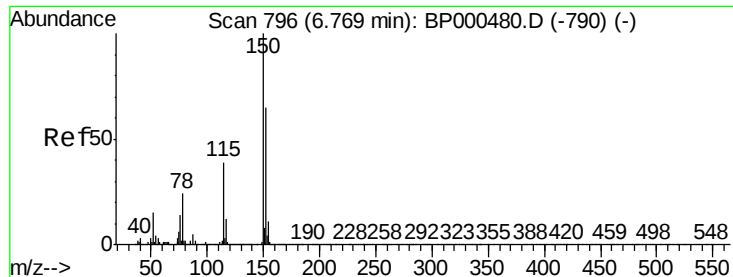
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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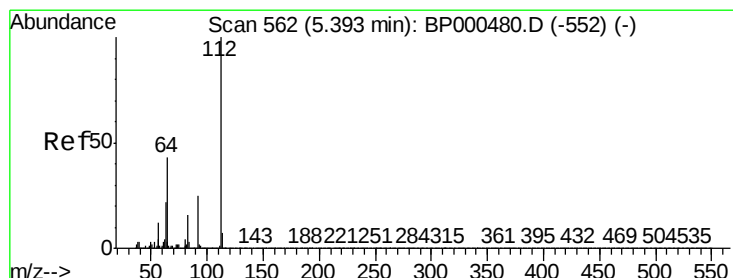
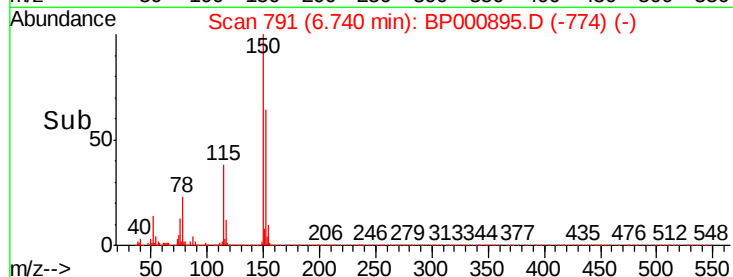
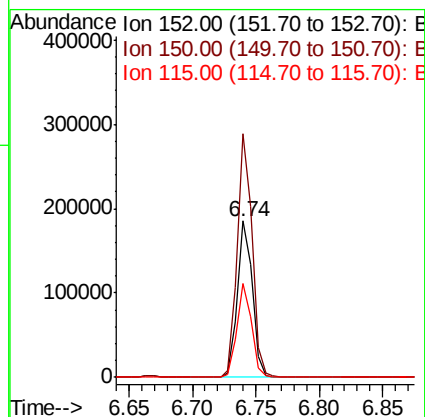
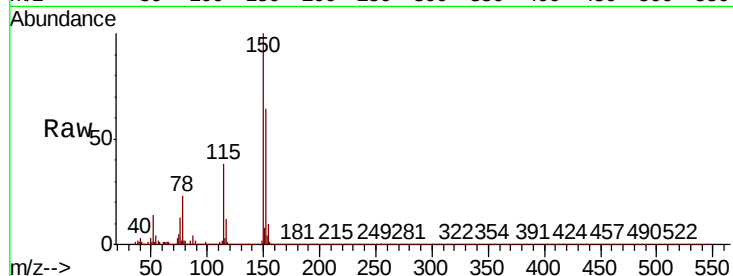


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.74 min Scan# 791  
Delta R.T. -0.00 min  
Lab File: BP000895.D  
Acq: 18 Oct 2019 23:04

Instrument :  
BNA\_P  
ClientSampleId :  
TP-4

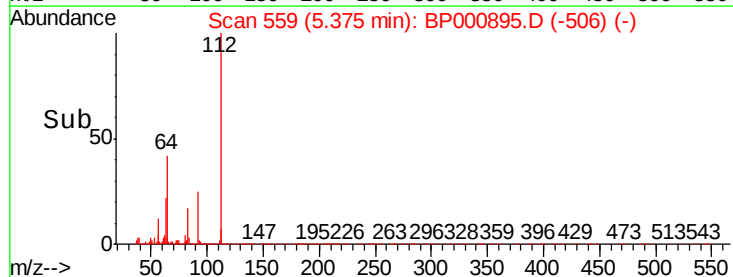
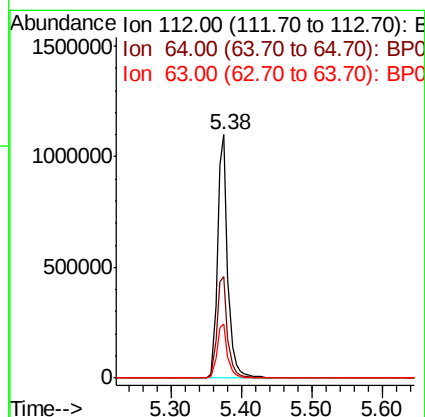
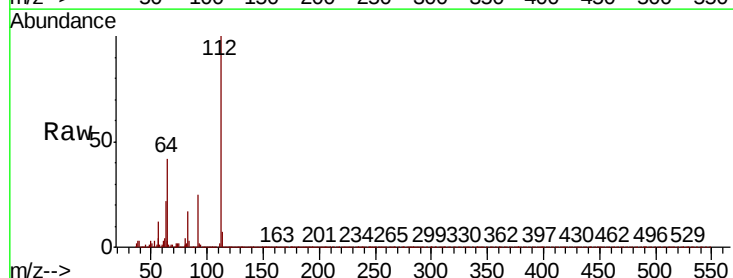
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.7 | 123.8 | 185.8 |
| 115     | 59.9  | 46.8  | 70.2  |

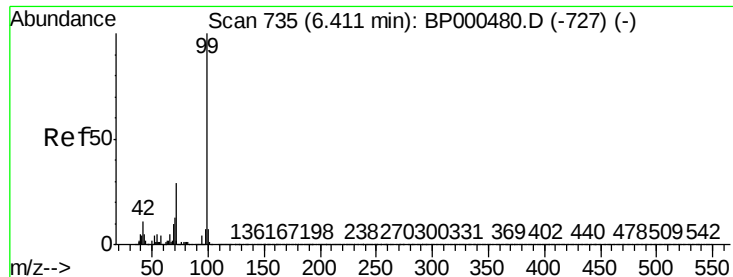


#5

2-Fluorophenol  
Concen: 121.035 ng  
RT: 5.38 min Scan# 559  
Delta R.T. 0.01 min  
Lab File: BP000895.D  
Acq: 18 Oct 2019 23:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 41.8  | 33.9  | 50.9  |
| 63      | 22.1  | 17.4  | 26.0  |





#7

Phenol-d6

Concen: 127.720 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BP000895.D

Acq: 18 Oct 2019 23:04

Instrument :

BNA\_P

ClientSampleId :

TP-4

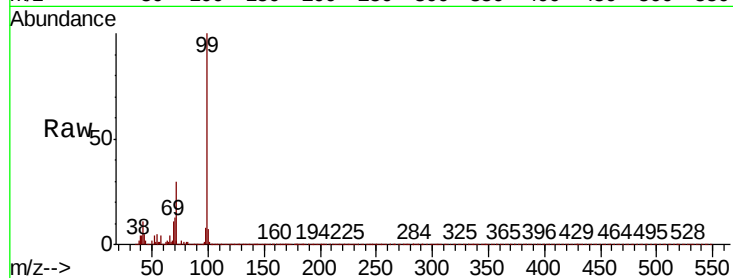
Tot Ion: 99 Resp: 1421563

Ion Ratio Lower Upper

99 100

42 10.8 8.7 13.1

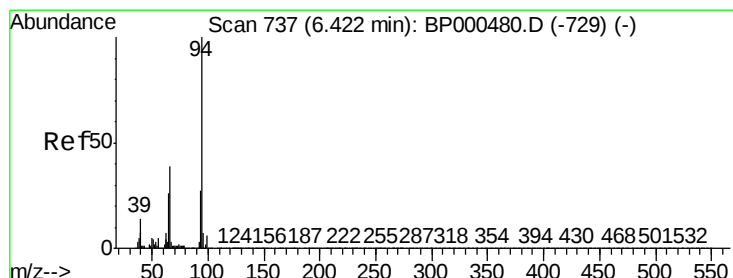
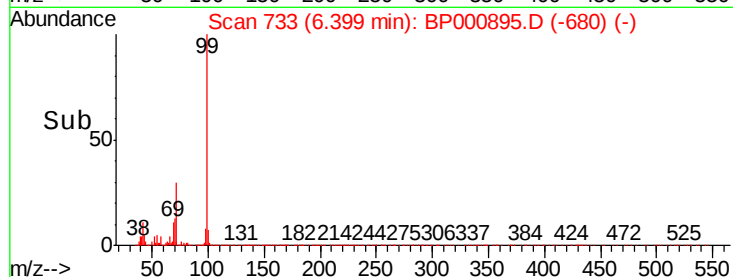
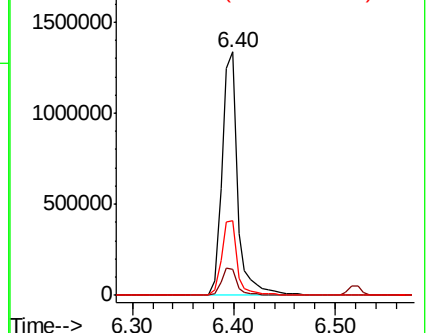
71 30.4 24.1 36.1



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#10

Phenol

Concen: 3.161 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BP000895.D

Acq: 18 Oct 2019 23:04

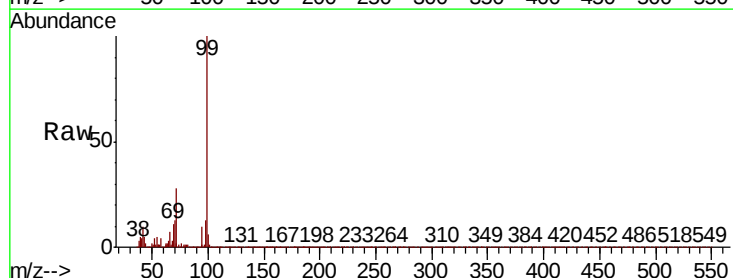
Tgt Ion: 94 Resp: 36022

Ion Ratio Lower Upper

94 100

65 30.9 14.6 54.6

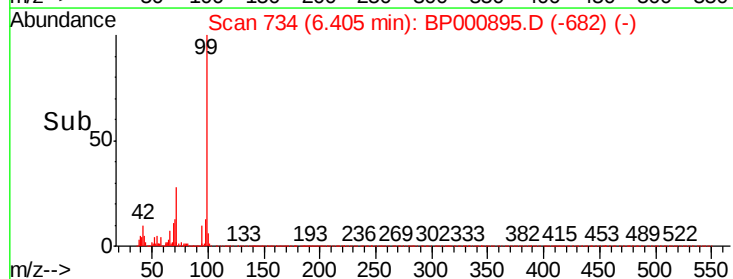
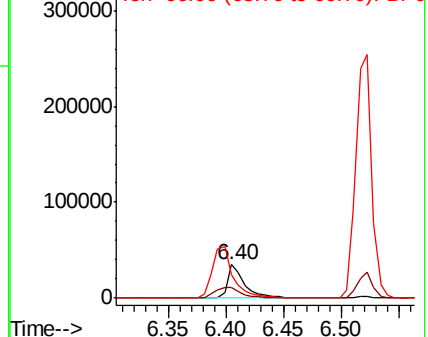
66 70.1 39.2 79.2

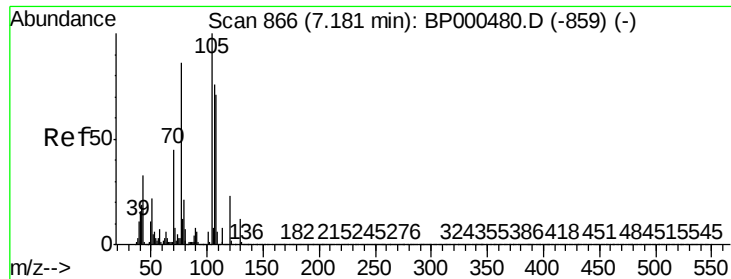


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

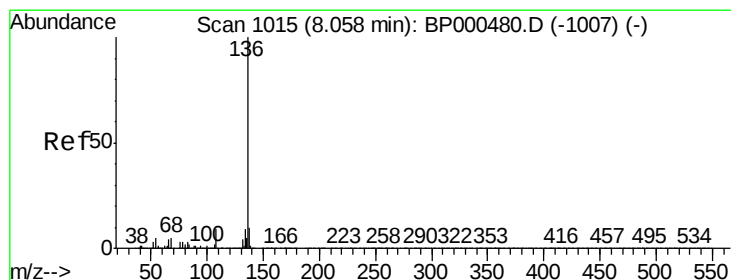
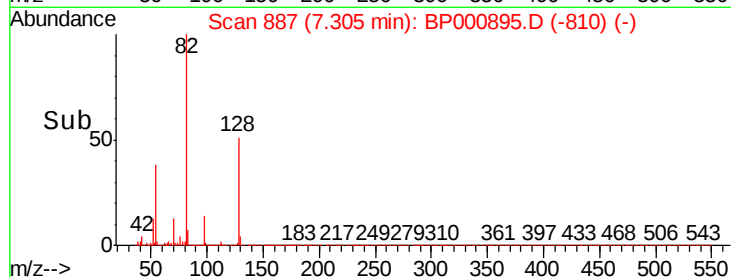
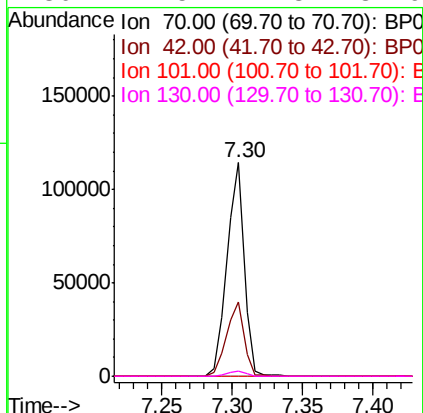
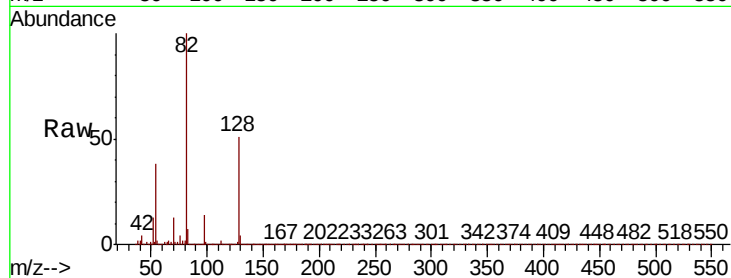




#19  
n-Nitroso-di-n-propylamine  
Concen: 18.986 ng  
RT: 7.30 min Scan# 887  
Delta R.T. 0.15 min  
Lab File: BP000895.D  
Acq: 18 Oct 2019 23:04

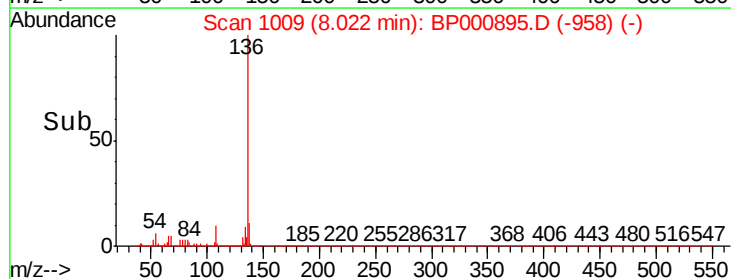
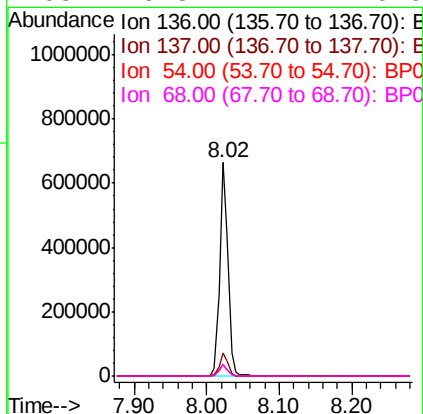
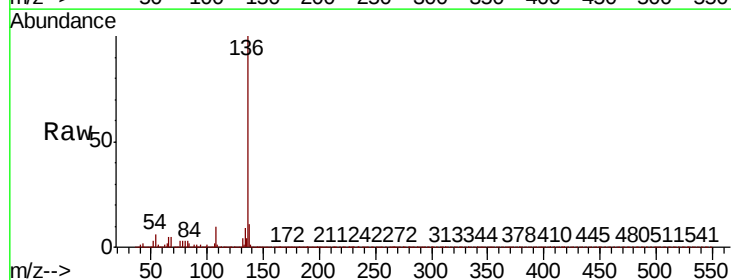
Instrument :  
BNA\_P  
ClientSampleId :  
TP-4

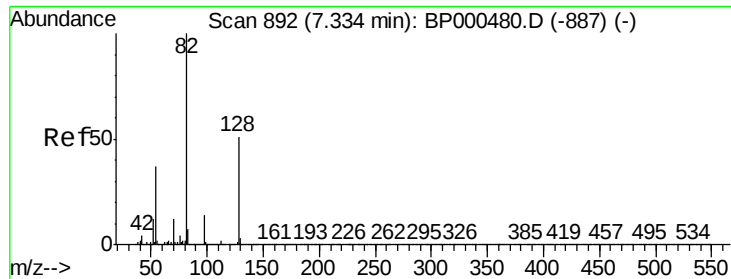
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 70    | Resp: | 97405 |
| Ion Ratio | Lower | Upper |       |
| 70        | 100   |       |       |
| 42        | 35.0  | 34.0  | 51.0  |
| 101       | 0.0   | 9.5   | 14.3# |
| 130       | 2.5   | 21.3  | 31.9# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.02 min Scan# 1009  
Delta R.T. -0.00 min  
Lab File: BP000895.D  
Acq: 18 Oct 2019 23:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 529146 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.9  | 8.9   | 13.3   |
| 54        | 5.5   | 4.6   | 6.8    |
| 68        | 5.3   | 4.4   | 6.6    |

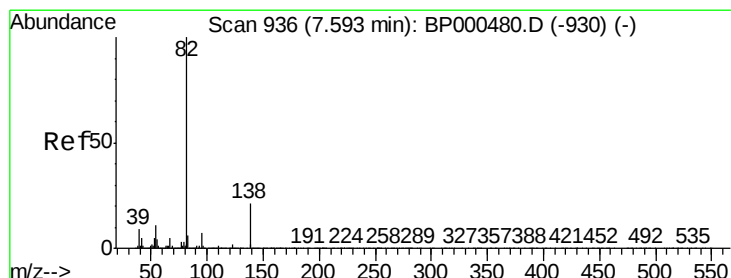
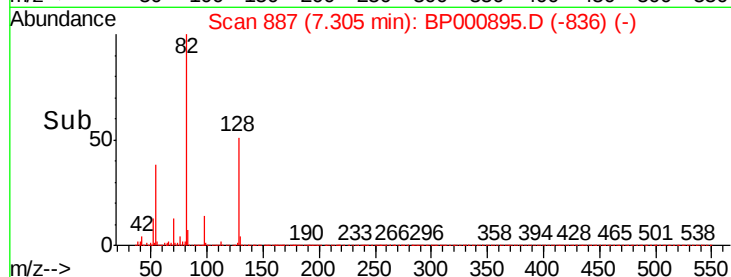
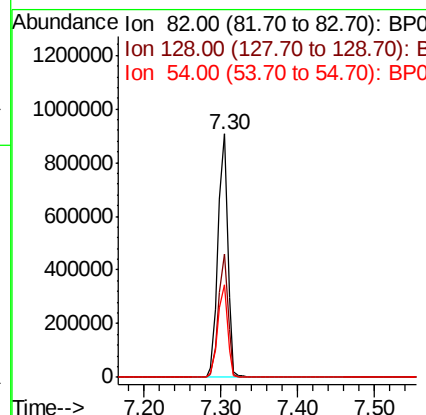
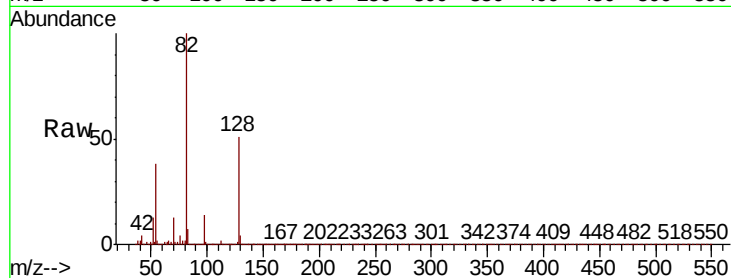




#23  
Nitrobenzene-d5  
Concen: 89.935 ng  
RT: 7.30 min Scan# 887  
Delta R.T. -0.00 min  
Lab File: BP000895.D  
Acq: 18 Oct 2019 23:04

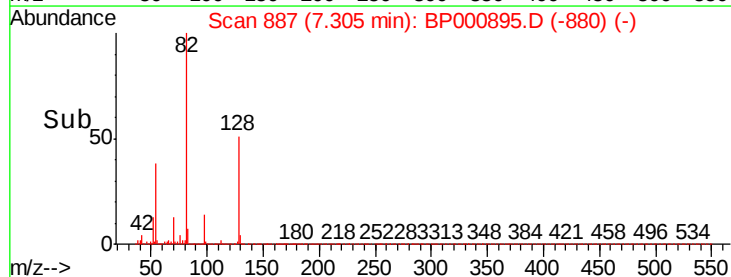
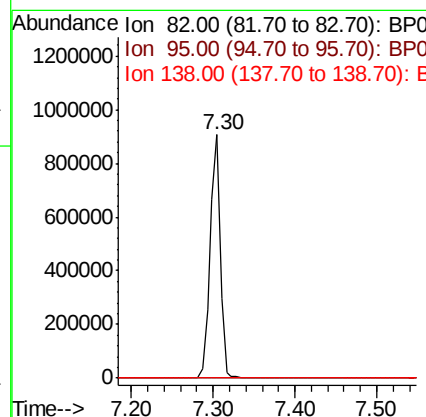
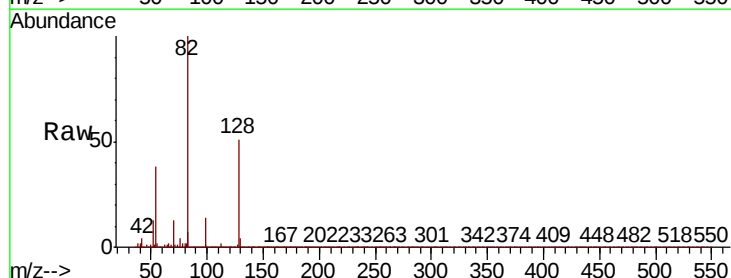
Instrument :  
BNA\_P  
ClientSampleId :  
TP-4

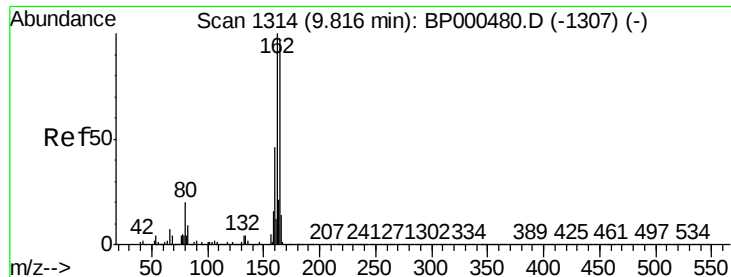
| Tot Ion   | 82    | Resp  | 779184 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 50.7  | 41.2  | 61.8   |
| 54        | 38.0  | 30.6  | 45.8   |



#25  
Isophorone  
Concen: 50.640 ng  
RT: 7.30 min Scan# 887  
Delta R.T. -0.26 min  
Lab File: BP000895.D  
Acq: 18 Oct 2019 23:04

| Tgt Ion   | 82    | Resp  | 778663 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 0.0   | 6.2   | 9.4#   |
| 138       | 0.0   | 17.0  | 25.4#  |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BP000895.D

Acq: 18 Oct 2019 23:04

Instrument :

BNA\_P

ClientSampled :

TP-4

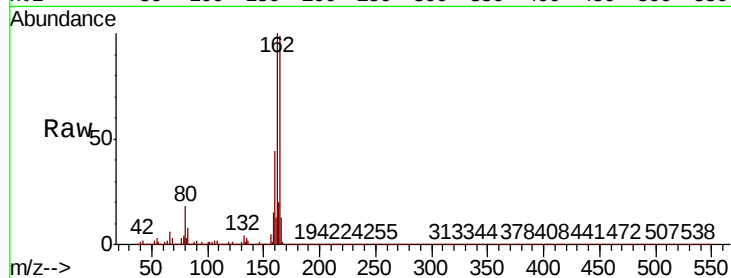
Tot Ion:164 Resp: 292182

Ion Ratio Lower Upper

164 100

162 101.1 80.6 121.0

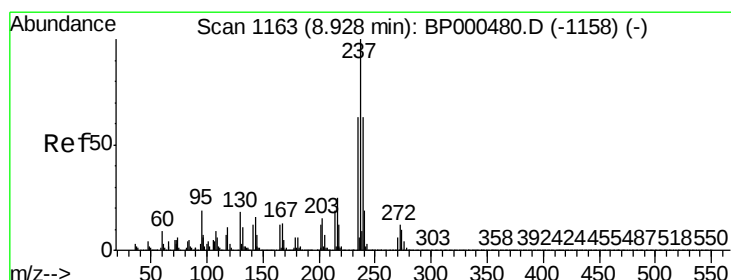
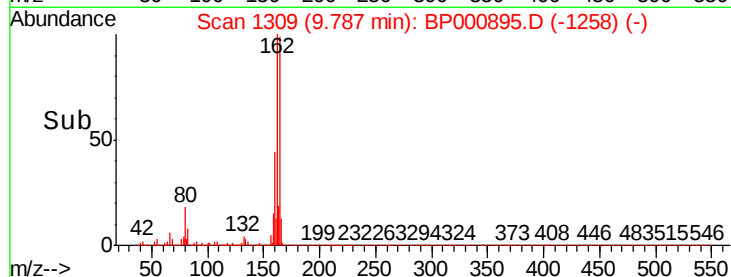
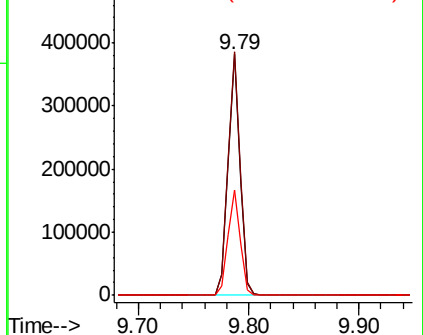
160 44.0 35.4 53.2



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



#41

Hexachlorocyclopentadiene

Concen: 7.303 ng

RT: 8.88 min Scan# 1154

Delta R.T. -0.02 min

Lab File: BP000895.D

Acq: 18 Oct 2019 23:04

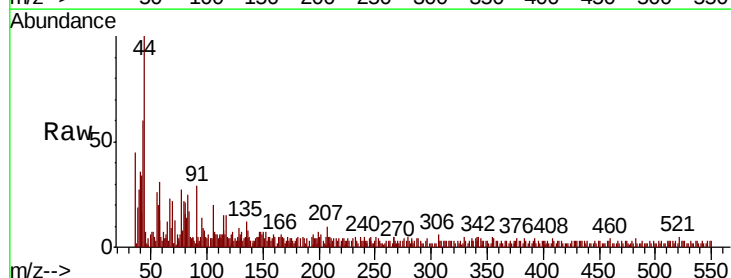
Tgt Ion:237 Resp: 25

Ion Ratio Lower Upper

237 100

235 47.4 42.3 82.3

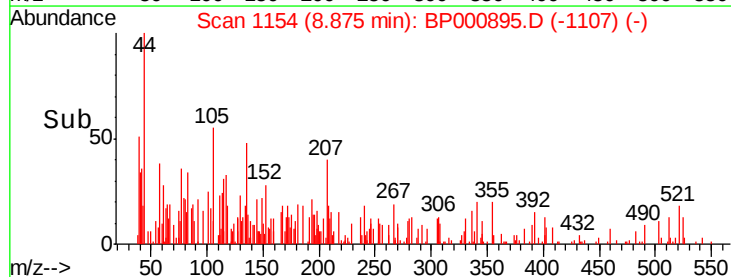
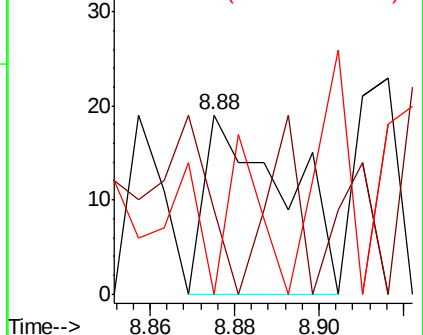
272 0.0 0.0 33.6

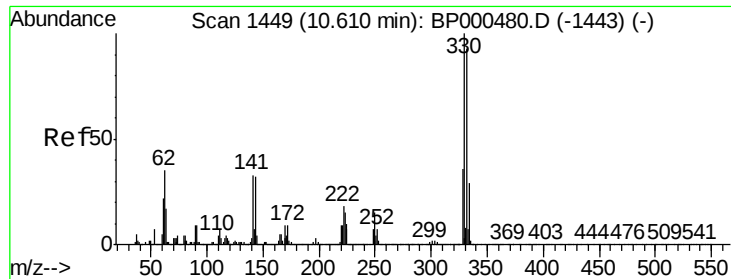


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

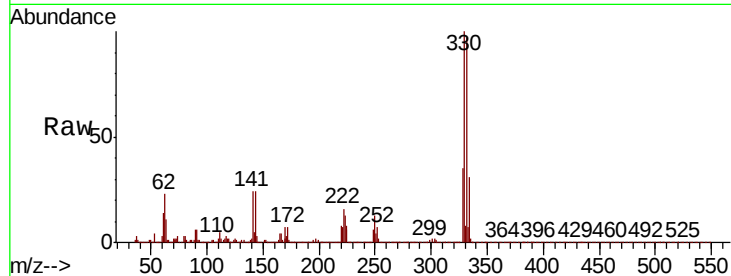




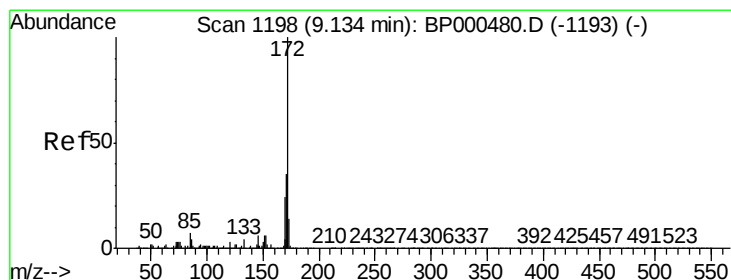
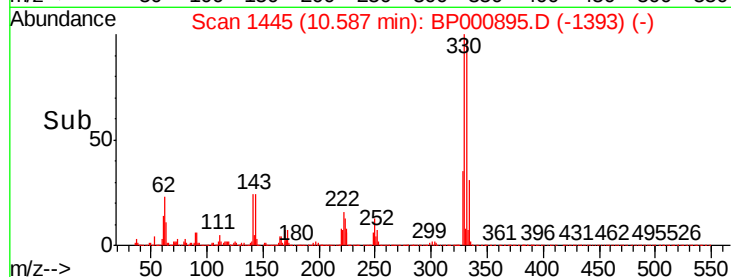
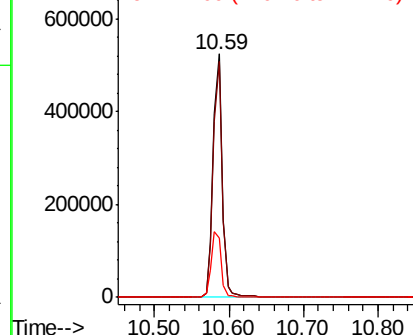
#42  
2,4,6-Tribromophenol  
Concen: 146.534 ng  
RT: 10.59 min Scan# 1445  
Delta R.T. 0.01 min  
Lab File: BP000895.D  
Acq: 18 Oct 2019 23:04

Instrument :  
BNA\_P  
ClientSampleId :  
TP-4

Tot Ion:330 Resp: 456239  
Ion Ratio Lower Upper  
330 100  
332 96.9 78.2 117.4  
141 29.5 23.7 35.5

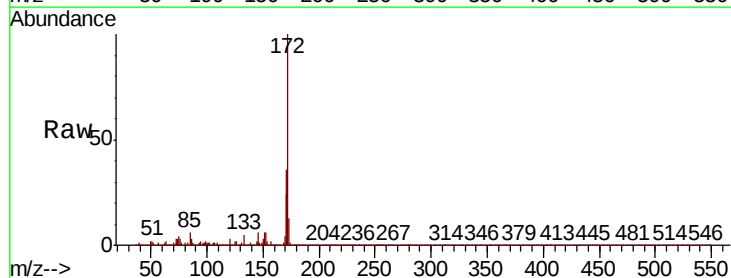


Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

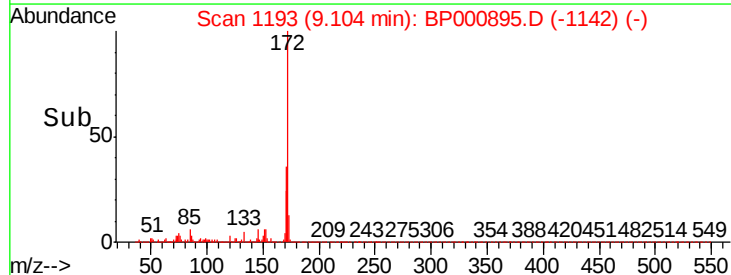
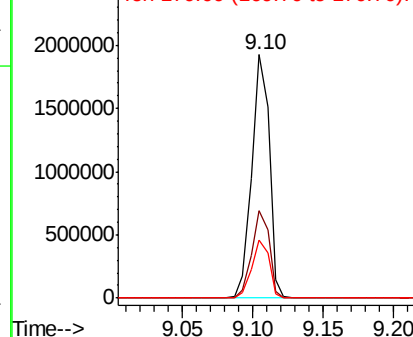


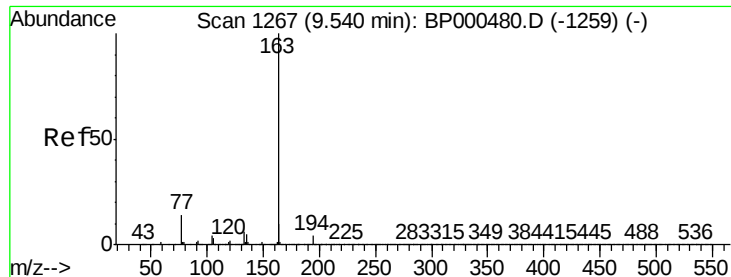
#45  
2-Fluorobiphenyl  
Concen: 92.597 ng  
RT: 9.10 min Scan# 1193  
Delta R.T. -0.00 min  
Lab File: BP000895.D  
Acq: 18 Oct 2019 23:04

Tgt Ion:172 Resp: 1672147  
Ion Ratio Lower Upper  
172 100  
171 36.0 29.0 43.4  
170 23.9 19.3 28.9



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

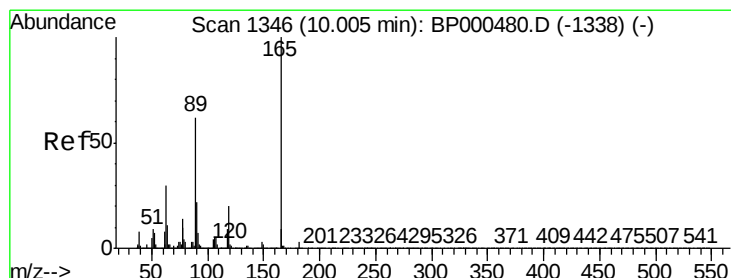
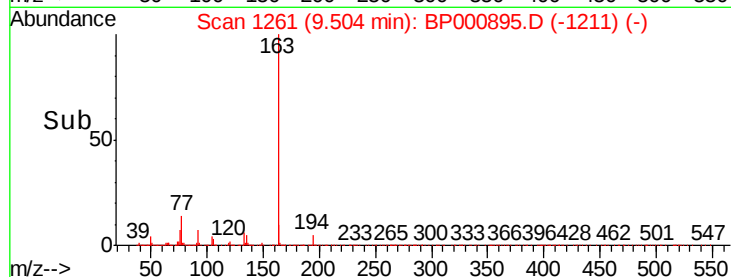
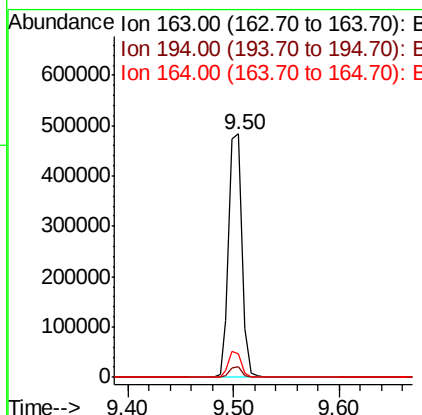
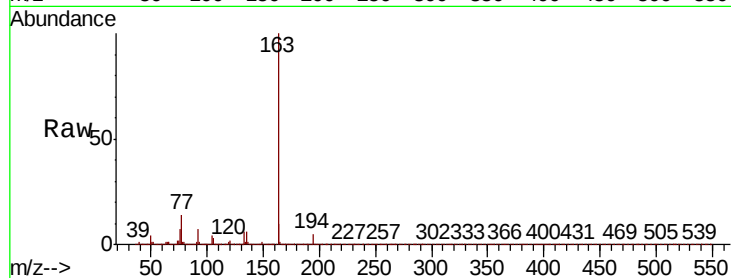




#50  
Dimethylphthalate  
Concen: 20.696 ng  
RT: 9.50 min Scan# 1261  
Delta R.T. -0.01 min  
Lab File: BP000895.D  
Acq: 18 Oct 2019 23:04

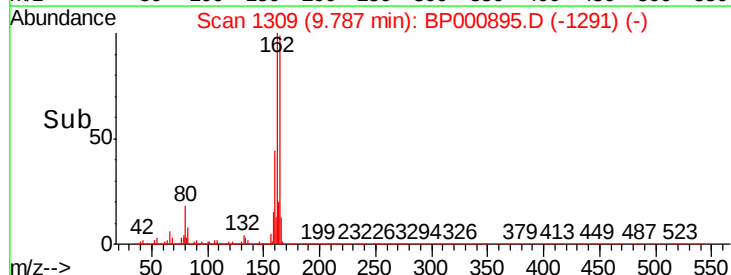
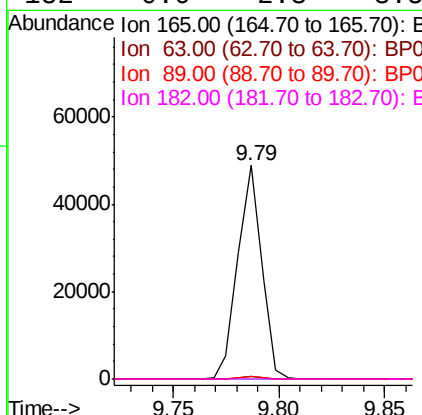
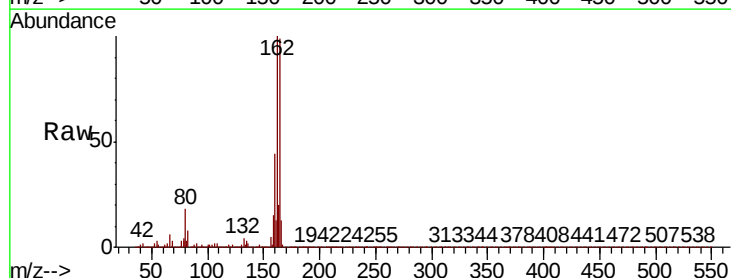
Instrument :  
BNA\_P  
ClientSampleId :  
TP-4

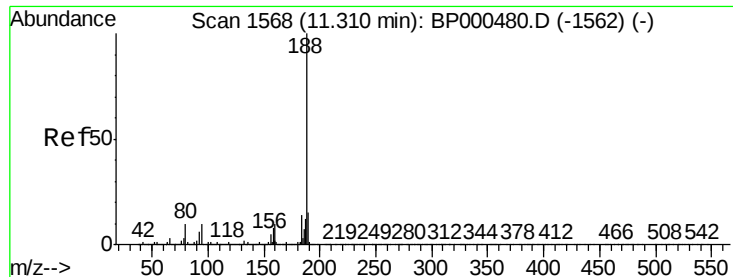
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.6   | 3.5   | 5.3   |
| 164     | 9.9   | 8.3   | 12.5  |



#57  
2,4-Dinitrotoluene  
Concen: 6.537 ng  
RT: 9.79 min Scan# 1309  
Delta R.T. -0.19 min  
Lab File: BP000895.D  
Acq: 18 Oct 2019 23:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.0   | 25.4  | 38.2# |
| 89      | 1.2   | 49.2  | 73.8# |
| 182     | 0.0   | 2.3   | 3.5#  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1564

Delta R.T. 0.01 min

Lab File: BP000895.D

Acq: 18 Oct 2019 23:04

Instrument :

BNA\_P

ClientSampled :

TP-4

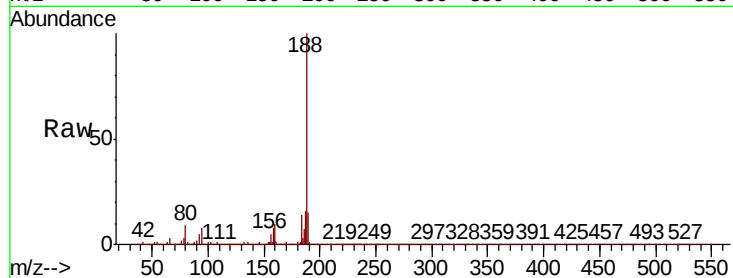
Tot Ion:188 Resp: 544900

Ion Ratio Lower Upper

188 100

94 8.5 8.0 12.0

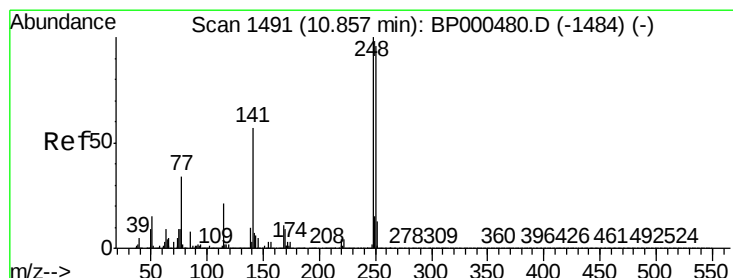
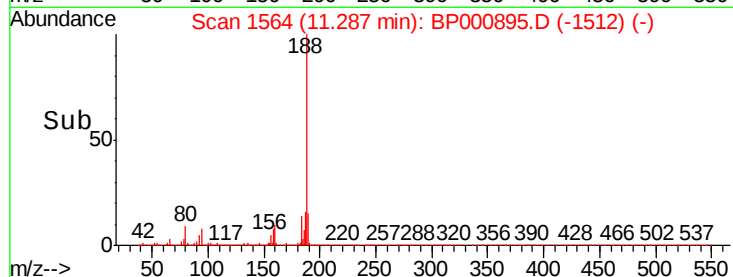
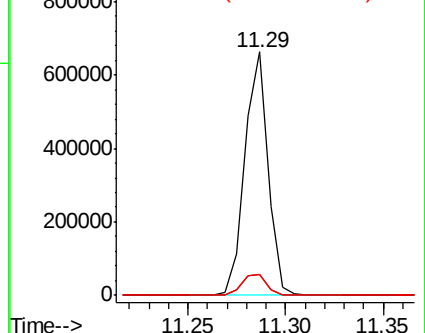
80 8.8 8.2 12.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BPO

Ion 80.00 (79.70 to 80.70): BPO



#67

4-Bromophenyl-phenylether

Concen: 5.012 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.24 min

Lab File: BP000895.D

Acq: 18 Oct 2019 23:04

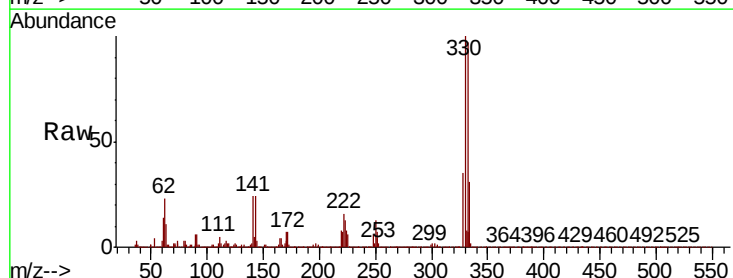
Tgt Ion:248 Resp: 30740

Ion Ratio Lower Upper

248 100

250 201.5 77.7 116.5#

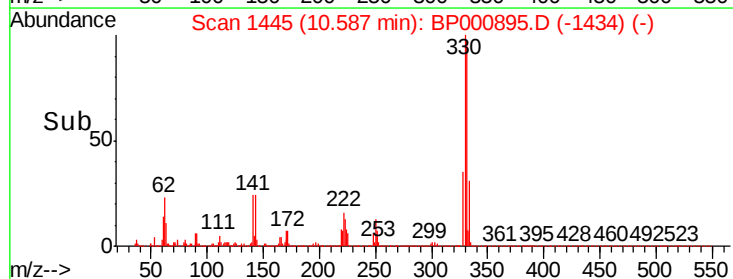
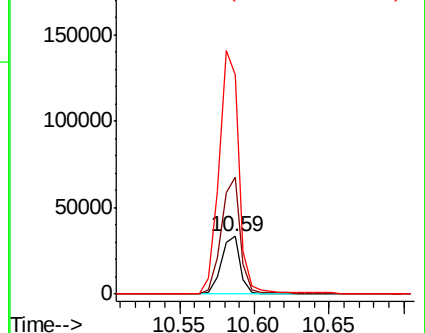
141 377.7 57.4 86.0#

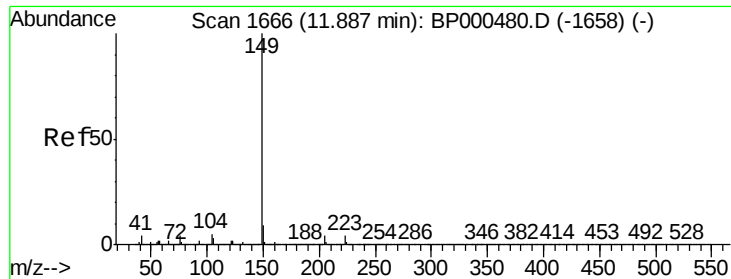


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Di-n-butylphthalate

Concen: 6.261 ng

RT: 11.86 min Scan# 1661

Delta R.T. -0.00 min

Lab File: BP000895.D

Acq: 18 Oct 2019 23:04

Instrument :

BNA\_P

ClientSampleId :

TP-4

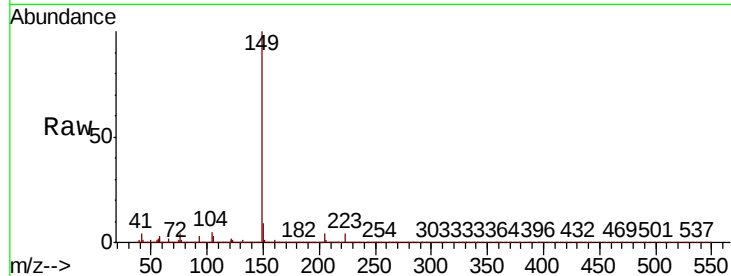
Tot Ion:149 Resp: 191842

Ion Ratio Lower Upper

149 100

150 9.2 7.5 11.3

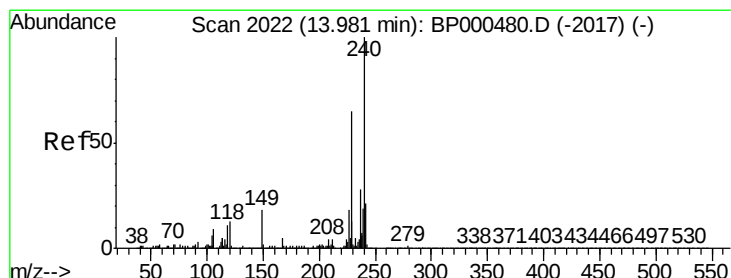
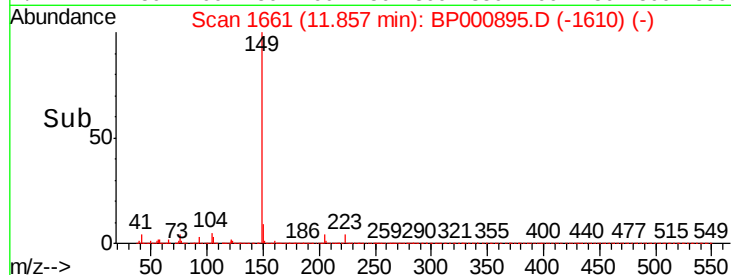
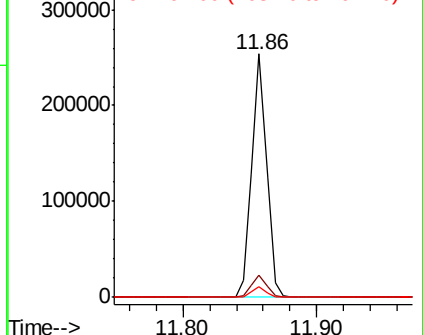
104 4.5 3.6 5.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BP000895.D

Acq: 18 Oct 2019 23:04

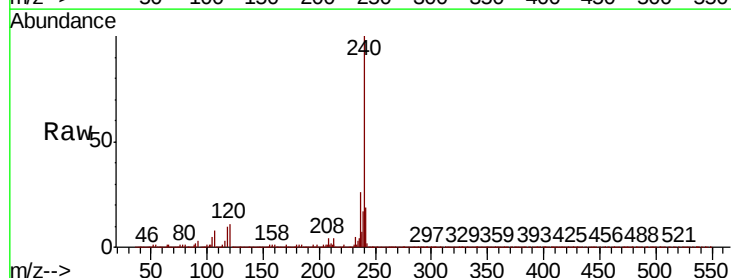
Tgt Ion:240 Resp: 499323

Ion Ratio Lower Upper

240 100

120 11.2 7.3 10.9#

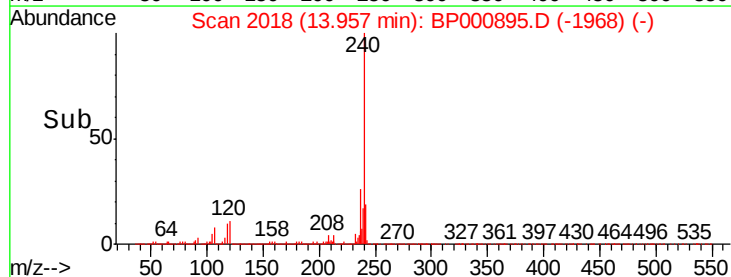
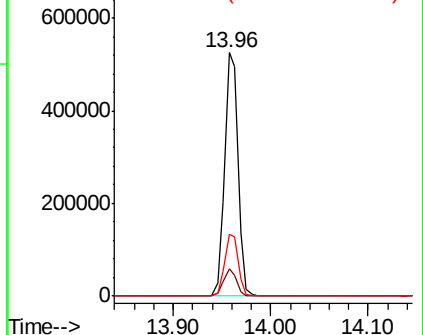
236 25.6 21.2 31.8

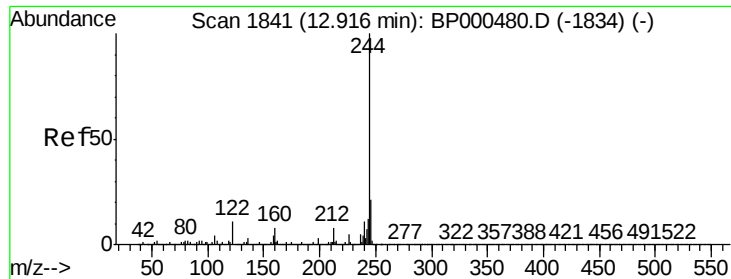


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 83.488 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.00 min

Lab File: BP000895.D

Acq: 18 Oct 2019 23:04

Instrument :

BNA\_P

ClientSampled :

TP-4

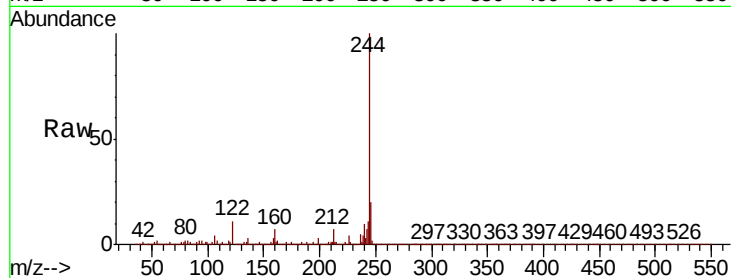
Tot Ion:244 Resp: 2058907

Ion Ratio Lower Upper

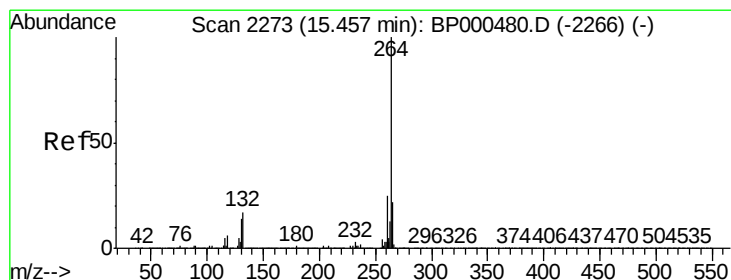
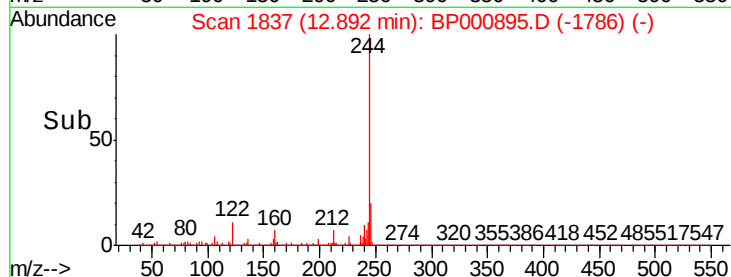
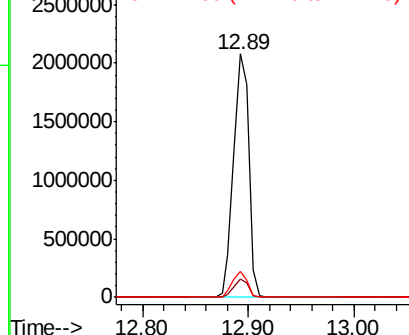
244 100

212 7.3 5.5 8.3

122 10.8 7.1 10.7#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.00 min

Lab File: BP000895.D

Acq: 18 Oct 2019 23:04

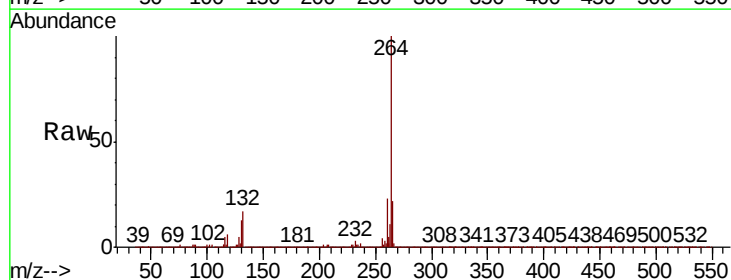
Tgt Ion:264 Resp: 570625

Ion Ratio Lower Upper

264 100

260 23.2 19.3 28.9

265 21.7 17.4 26.0



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

