

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073120\  
 Data File : BF121164.D  
 Acq On : 31 Jul 2020 18:05  
 Operator : JU/CG  
 Sample : L3518-37  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-11

Quant Time: Jul 31 18:59:33 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 29 14:55:43 2020  
 Response via : Initial Calibration

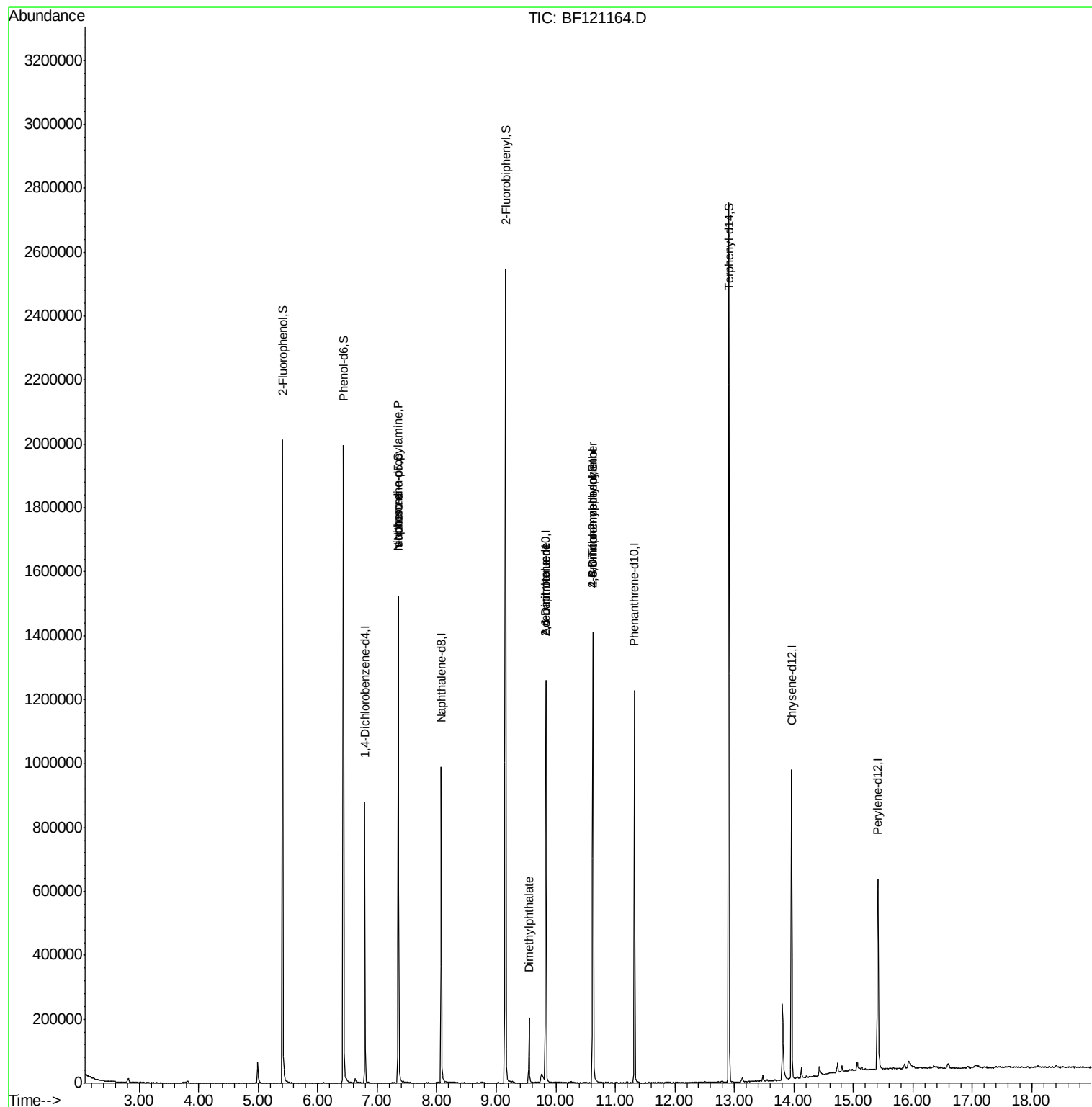
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min)   |
|--------------------------------|-------|------|----------|-----------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4      | 6.79  | 152  | 127166   | 20.00     | ng    | -0.01      |
| 21) Naphthalene-d8             | 8.07  | 136  | 483258   | 20.00     | ng    | -0.01      |
| 39) Acenaphthene-d10           | 9.83  | 164  | 245285   | 20.00     | ng    | 0.00       |
| 64) Phenanthrene-d10           | 11.32 | 188  | 468539   | 20.00     | ng    | 0.00       |
| 76) Chrysene-d12               | 13.96 | 240  | 336089   | 20.00     | ng    | 0.00       |
| 86) Perylene-d12               | 15.41 | 264  | 293334   | 20.00     | ng    | 0.00       |
| System Monitoring Compounds    |       |      |          |           |       |            |
| 5) 2-Fluorophenol              | 5.41  | 112  | 603585   | 77.81     | ng    | 0.00       |
| 7) Phenol-d6                   | 6.43  | 99   | 744463   | 74.30     | ng    | -0.01      |
| 23) Nitrobenzene-d5            | 7.36  | 82   | 481084   | 57.60     | ng    | -0.02      |
| 42) 2,4,6-Tribromophenol       | 10.63 | 330  | 210019   | 78.22     | ng    | 0.00       |
| 45) 2-Fluorobiphenyl           | 9.16  | 172  | 892716   | 54.34     | ng    | 0.00       |
| 79) Terphenyl-d14              | 12.91 | 244  | 904757   | 58.52     | ng    | 0.00       |
| Target Compounds               |       |      |          |           |       |            |
| 9) Benzaldehyde                | 6.43  | 77   | 965      | Below Cal |       | Qvalue # 1 |
| 19) n-Nitroso-di-n-propylamine | 7.36  | 70   | 62507    | 10.970    | ng    | # 78       |
| 25) Isophorone                 | 7.36  | 82   | 474105   | 28.444    | ng    | # 62       |
| 50) Dimethylphthalate          | 9.55  | 163  | 90164    | 5.095     | ng    | # 99       |
| 51) 2,6-Dinitrotoluene         | 9.83  | 165  | 31700    | 8.338     | ng    | # 27       |
| 57) 2,4-Dinitrotoluene         | 9.83  | 165  | 31700    | 6.349     | ng    | # 29       |
| 65) 4,6-Dinitro-2-methylphenol | 10.62 | 198  | 322      | 3.952     | ng    | # 1        |
| 67) 4-Bromophenyl-phenylether  | 10.62 | 248  | 12145    | 2.325     | ng    | # 1        |

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

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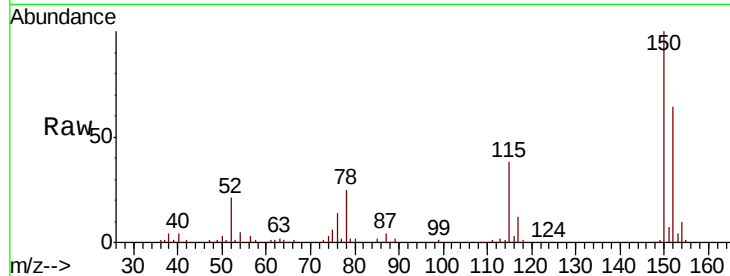


#1

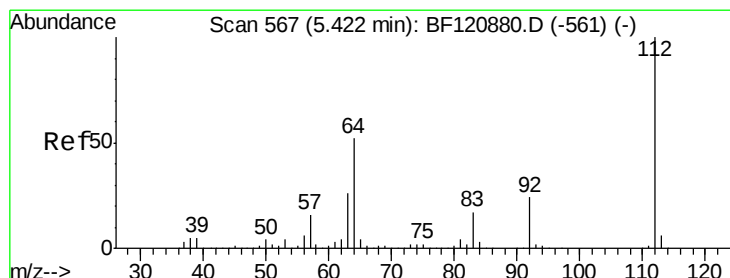
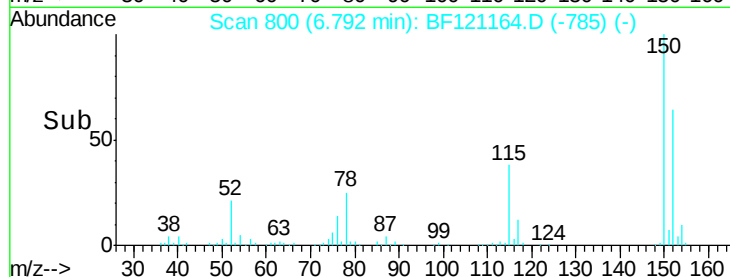
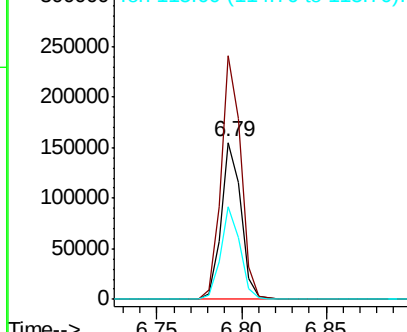
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 800  
Delta R.T. -0.01 min  
Lab File: BF121164.D  
Acq: 31 Jul 2020 18:05

Instrument :  
BNA\_F  
ClientSampleId :  
TP-11

Tot Ion:152 Resp: 127166  
Ion Ratio Lower Upper  
152 100  
150 155.4 125.6 188.4  
115 58.9 46.2 69.2



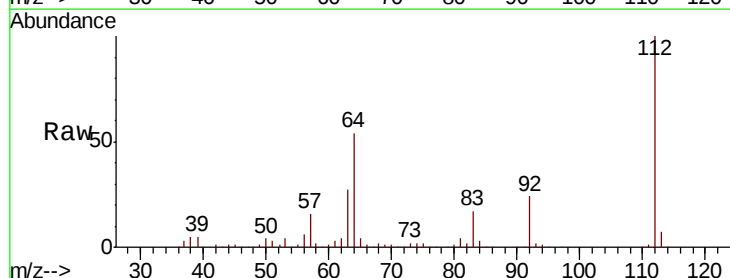
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



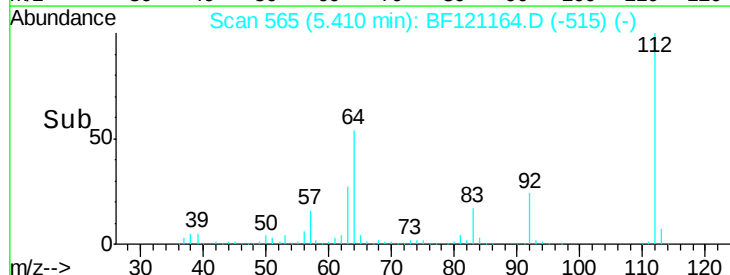
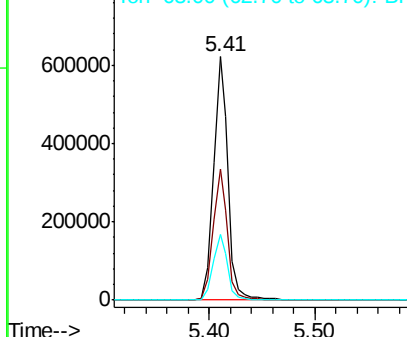
#5

2-Fluorophenol  
Concen: 77.811 ng  
RT: 5.41 min Scan# 565  
Delta R.T. -0.01 min  
Lab File: BF121164.D  
Acq: 31 Jul 2020 18:05

Tgt Ion:112 Resp: 603585  
Ion Ratio Lower Upper  
112 100  
64 53.8 43.9 65.9  
63 27.2 22.7 34.1



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: 74.297 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121164.D

Acq: 31 Jul 2020 18:05

Instrument :

BNA\_F

ClientSampleId :

TP-11

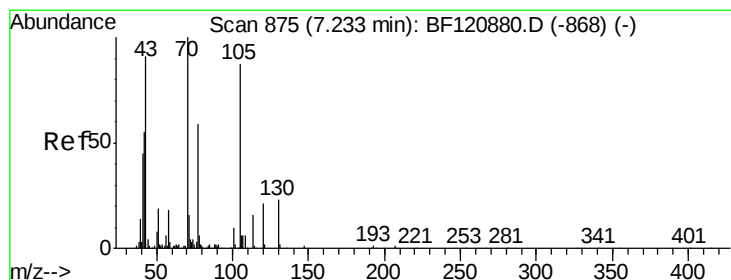
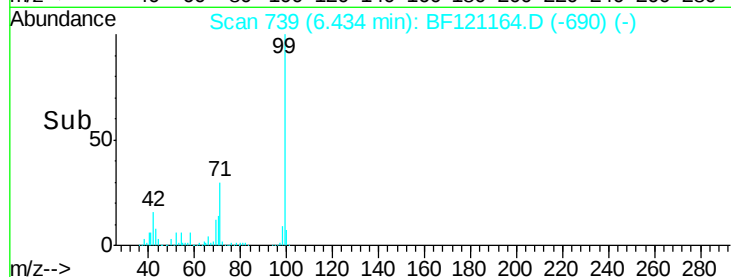
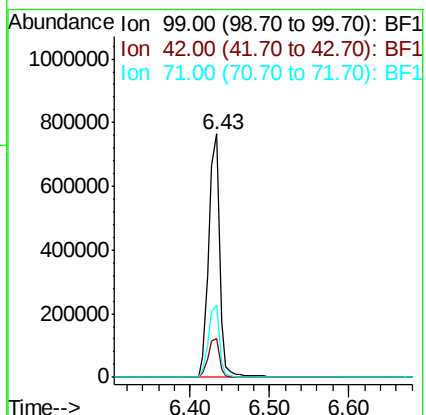
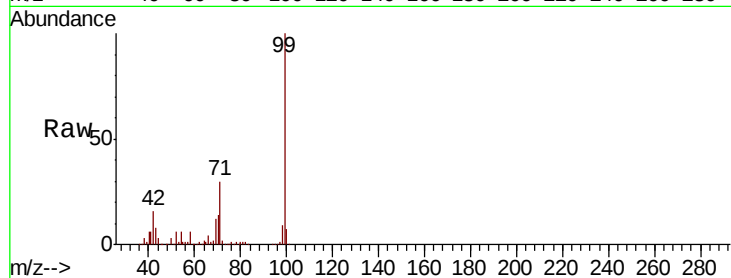
Tot Ion: 99 Resp: 744463

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

71 29.9 25.0 37.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.970 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.13 min

Lab File: BF121164.D

Acq: 31 Jul 2020 18:05

Tgt Ion: 70 Resp: 62507

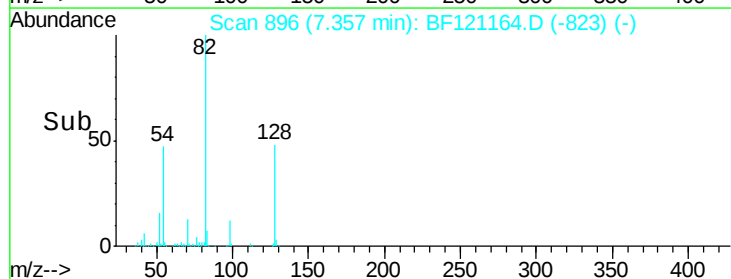
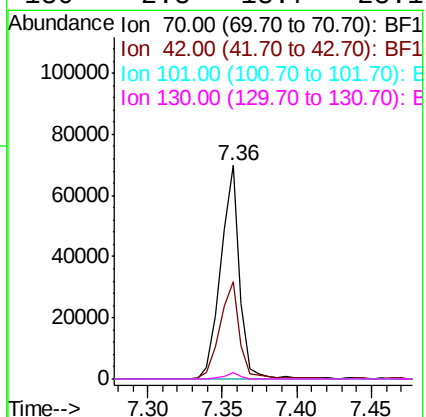
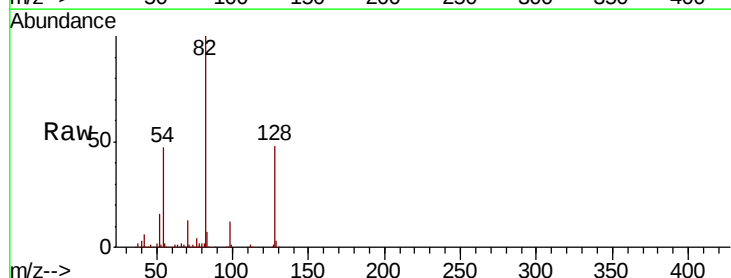
Ion Ratio Lower Upper

70 100

42 45.8 43.3 64.9

101 0.0 8.4 12.6#

130 2.8 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF121164.D

Acq: 31 Jul 2020 18:05

Instrument :

BNA\_F

ClientSampleId :

TP-11

Tot Ion:136 Resp: 483258

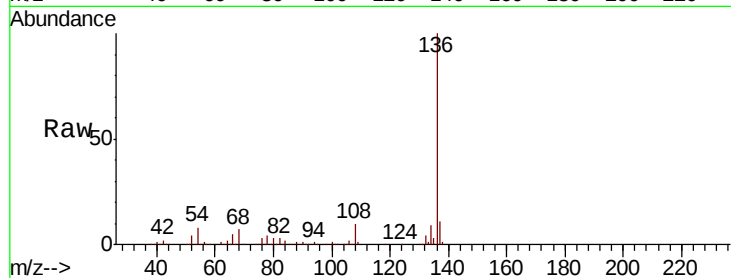
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.7 6.1 9.1

68 6.6 5.0 7.6

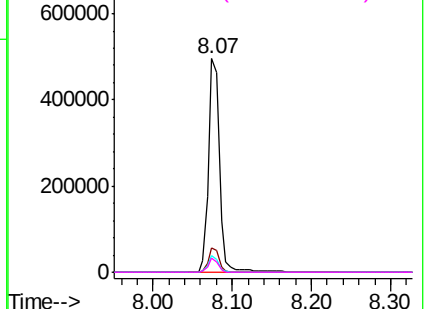
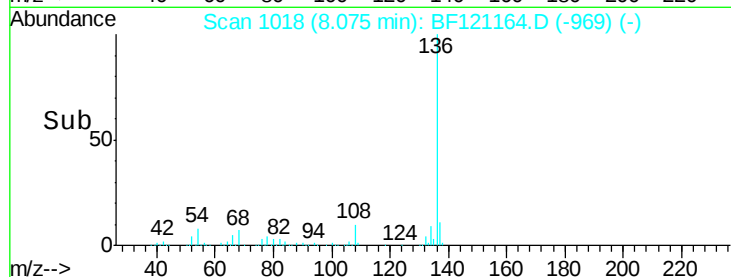


Abundance Ion 136.00 (135.70 to 136.70): E

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: 57.603 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF121164.D

Acq: 31 Jul 2020 18:05

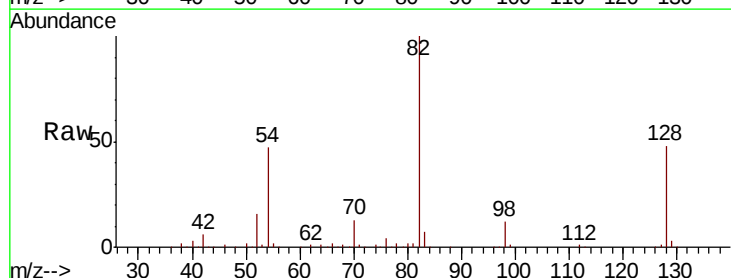
Tgt Ion: 82 Resp: 481084

Ion Ratio Lower Upper

82 100

128 47.6 39.2 58.8

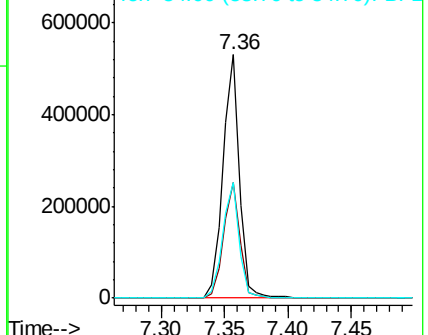
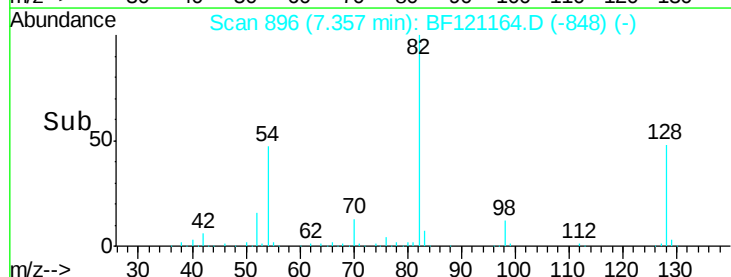
54 47.3 37.8 56.8

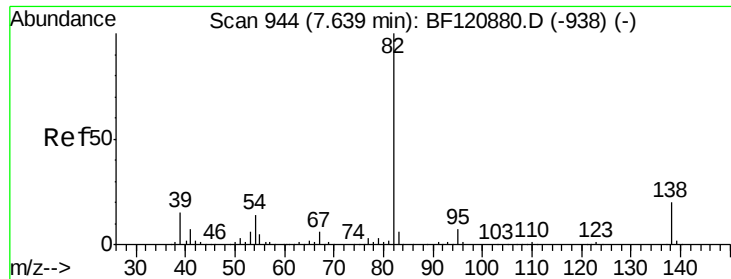


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

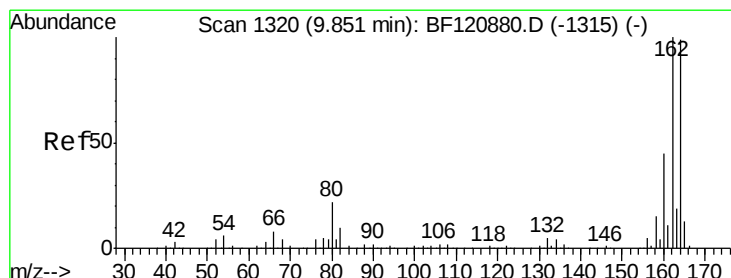
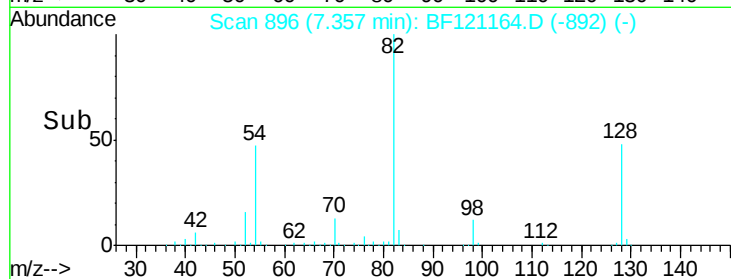
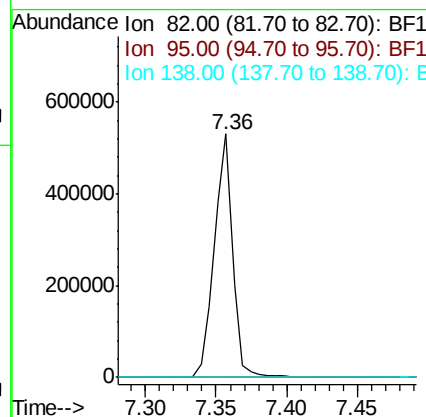
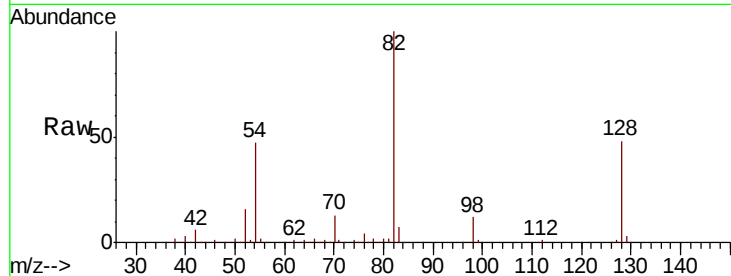




#25  
Isophorone  
Concen: 28.444 ng  
RT: 7.36 min Scan# 896  
Delta R.T. -0.28 min  
Lab File: BF121164.D  
Acq: 31 Jul 2020 18:05

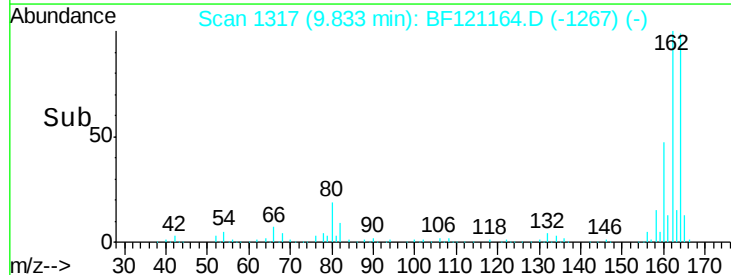
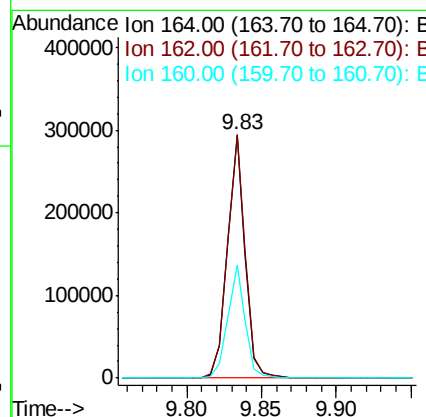
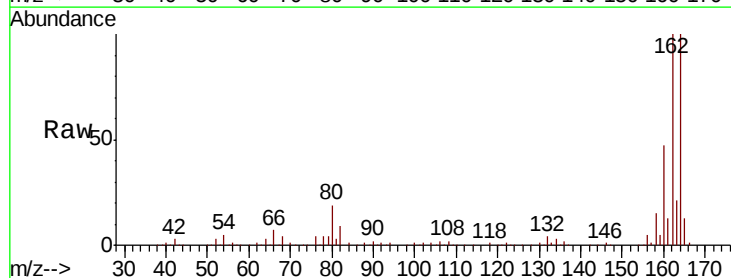
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11

Tot Ion: 82 Resp: 474105  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 16.2 24.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.83 min Scan# 1317  
Delta R.T. -0.01 min  
Lab File: BF121164.D  
Acq: 31 Jul 2020 18:05

Tgt Ion: 164 Resp: 245285  
Ion Ratio Lower Upper  
164 100  
162 100.3 82.2 123.2  
160 46.7 37.2 55.8

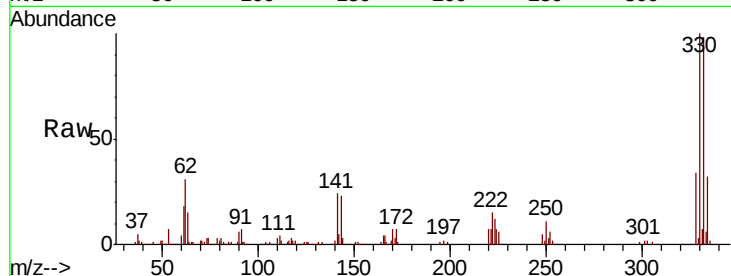




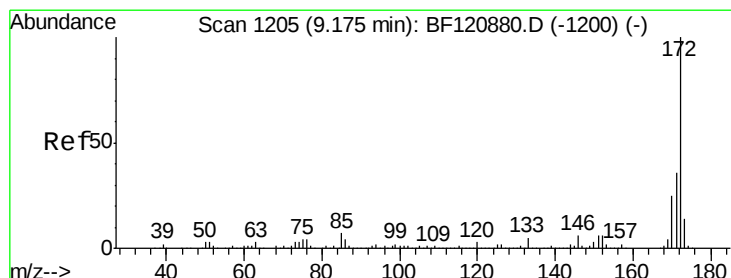
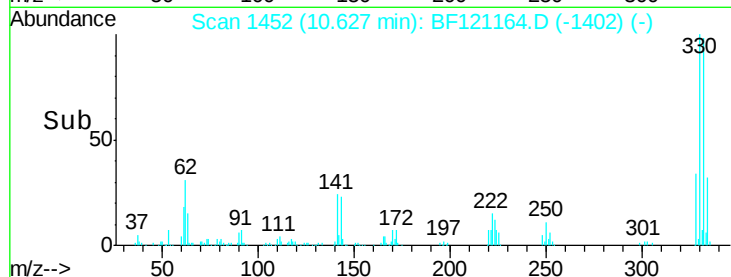
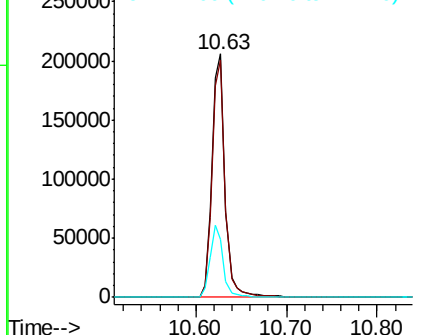
#42  
 2,4,6-Tribromophenol  
 Concen: 78.223 ng  
 RT: 10.63 min Scan# 1452  
 Delta R.T. -0.01 min  
 Lab File: BF121164.D  
 Acq: 31 Jul 2020 18:05

Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-11

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 76.1  | 114.1 |
| 141     | 29.9  | 24.1  | 36.1  |

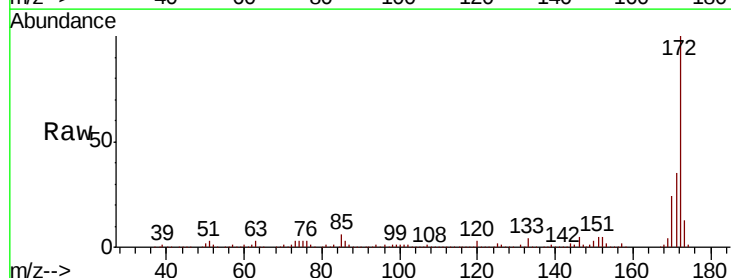


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

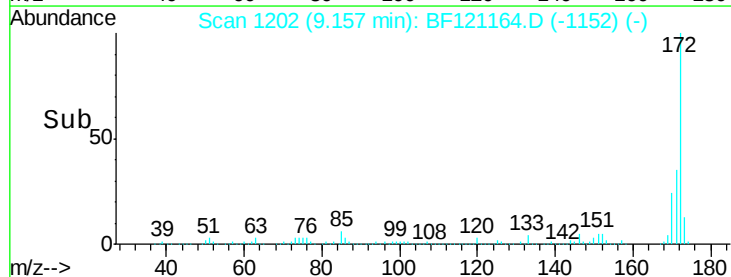
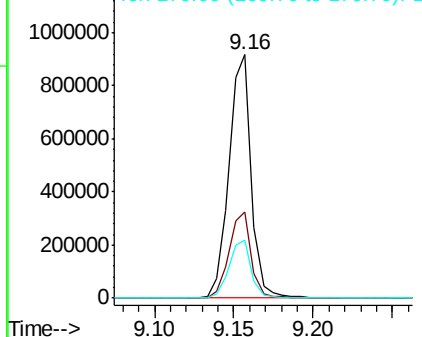


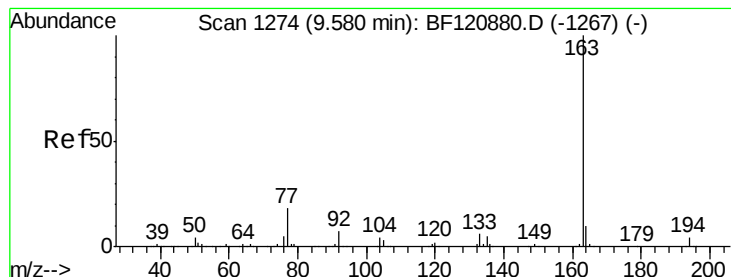
#45  
 2-Fluorobiphenyl  
 Concen: 54.339 ng  
 RT: 9.16 min Scan# 1202  
 Delta R.T. -0.01 min  
 Lab File: BF121164.D  
 Acq: 31 Jul 2020 18:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.4  | 29.0  | 43.4  |
| 170     | 24.1  | 19.6  | 29.4  |



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: 5.095 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF121164.D

Acq: 31 Jul 2020 18:05

Instrument :

BNA\_F

ClientSampled :

TP-11

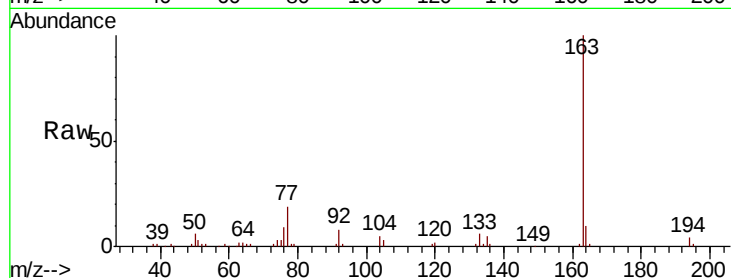
Tot Ion:163 Resp: 90164

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.4

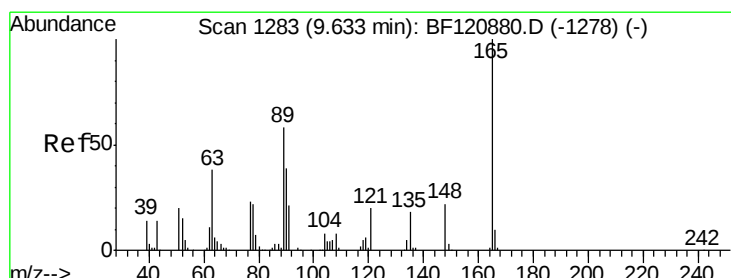
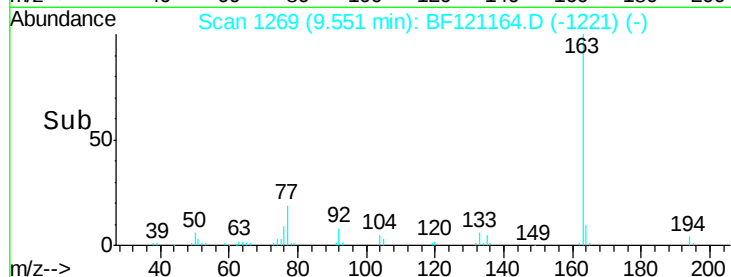
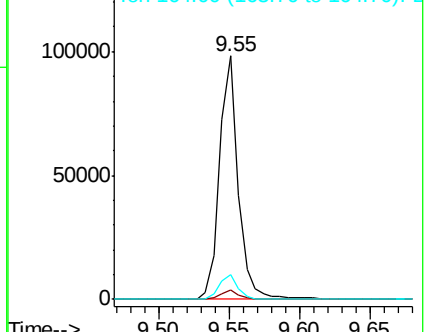
164 10.0 8.4 12.6



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: 8.338 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.21 min

Lab File: BF121164.D

Acq: 31 Jul 2020 18:05

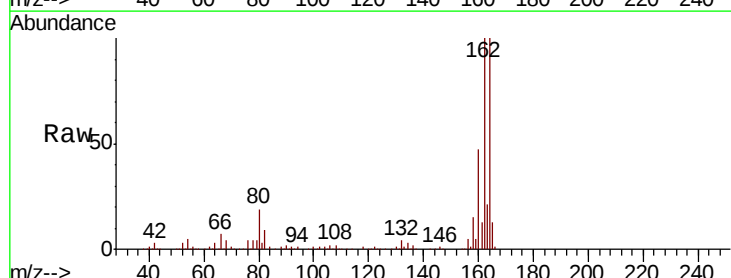
Tgt Ion:165 Resp: 31700

Ion Ratio Lower Upper

165 100

63 0.8 41.1 61.7#

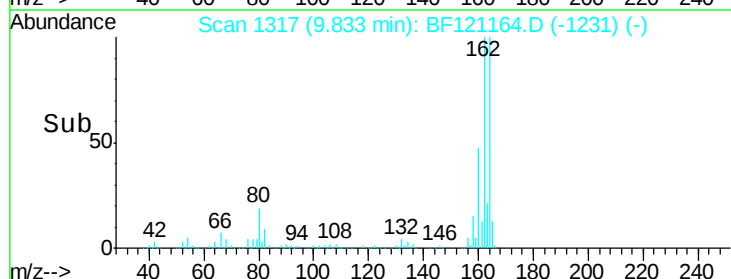
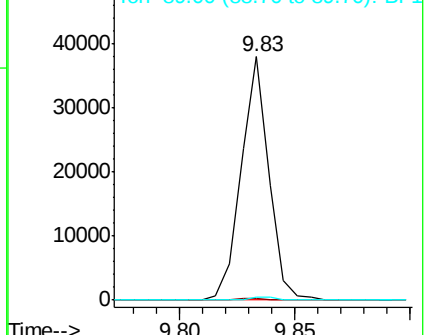
89 1.2 43.5 65.3#

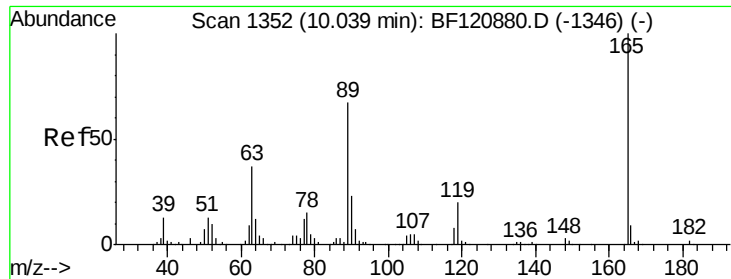


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

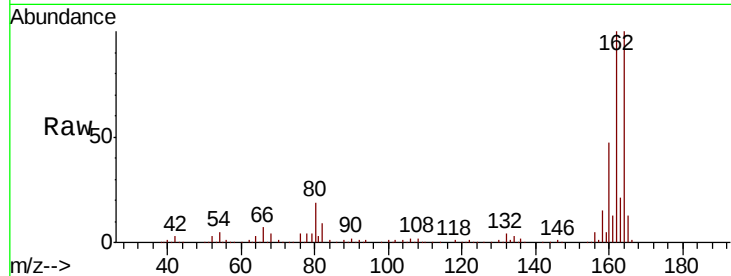




#57  
 2,4-Dinitrotoluene  
 Concen: 6.349 ng  
 RT: 9.83 min Scan# 1317  
 Delta R.T. -0.20 min  
 Lab File: BF121164.D  
 Acq: 31 Jul 2020 18:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-11

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.8   | 29.8  | 44.8# |
| 89      | 1.2   | 50.3  | 75.5# |
| 182     | 0.0   | 2.1   | 3.1#  |



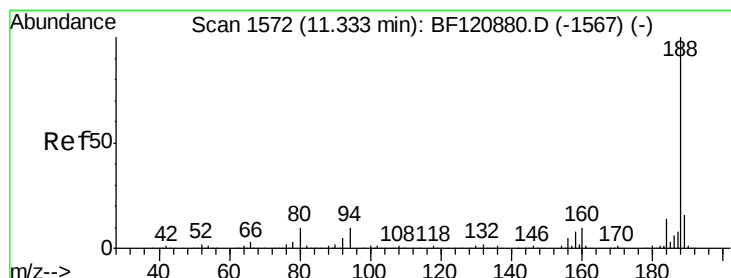
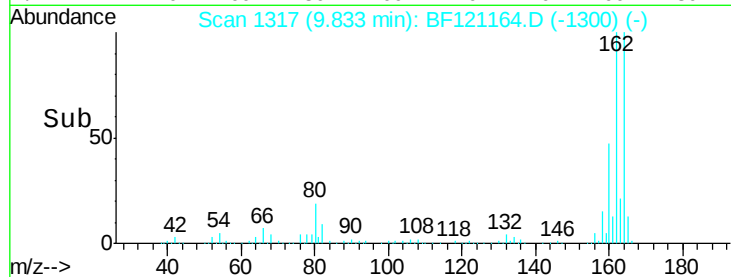
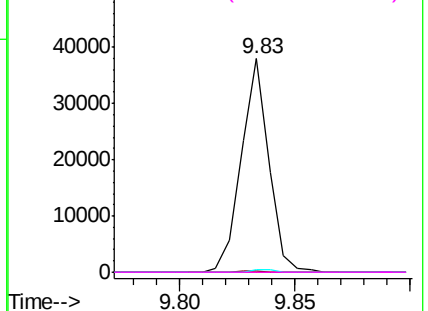
Abundance

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: 11.32 min Scan# 1570  
 Delta R.T. -0.00 min  
 Lab File: BF121164.D  
 Acq: 31 Jul 2020 18:05

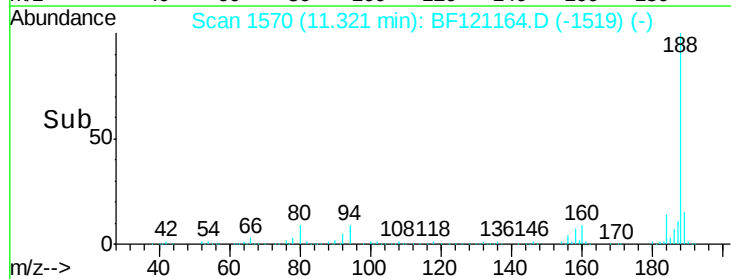
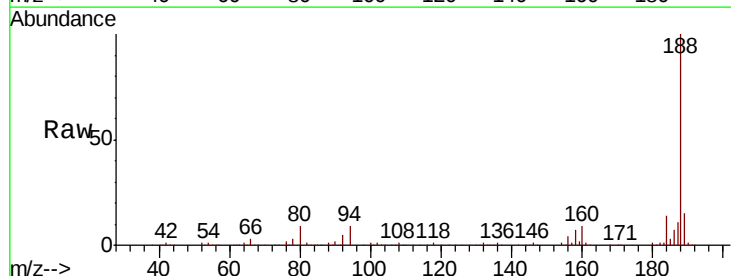
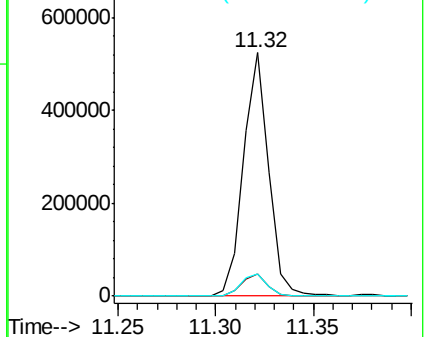
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.3   | 8.0   | 12.0  |
| 80      | 9.1   | 8.3   | 12.5  |

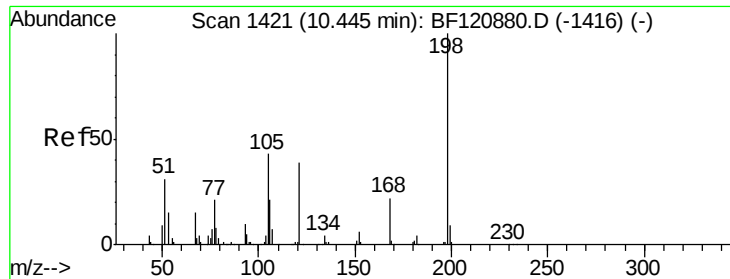
Abundance

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

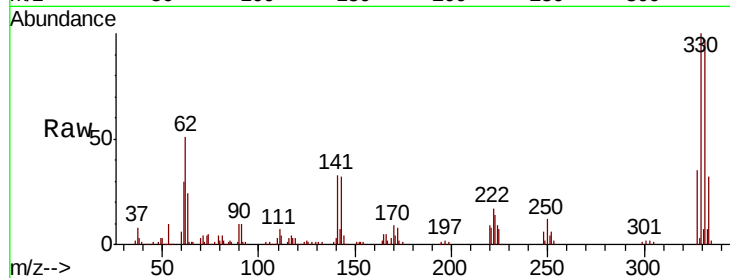




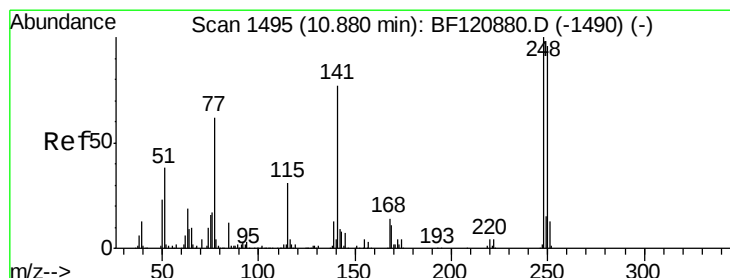
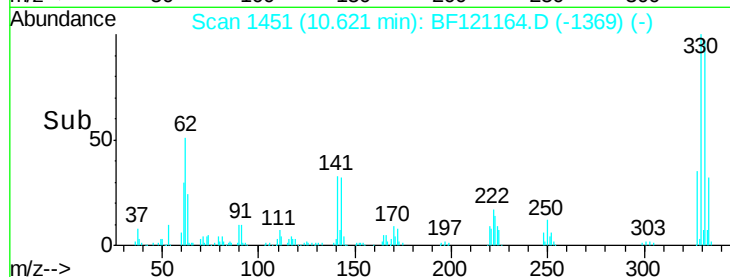
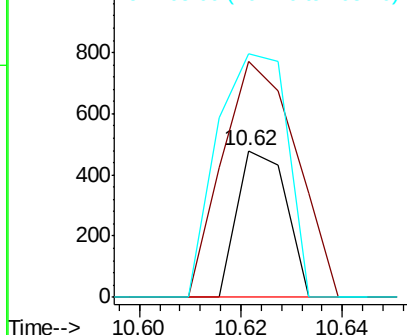
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 3.952 ng  
 RT: 10.62 min Scan# 1451  
 Delta R.T. 0.18 min  
 Lab File: BF121164.D  
 Acq: 31 Jul 2020 18:05

Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-11

Tot Ion:198 Resp: 322  
 Ion Ratio Lower Upper  
 198 100  
 51 161.2 23.4 63.4#  
 105 166.2 23.7 63.7#

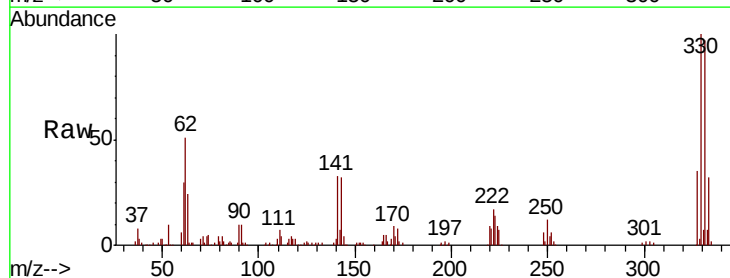


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E

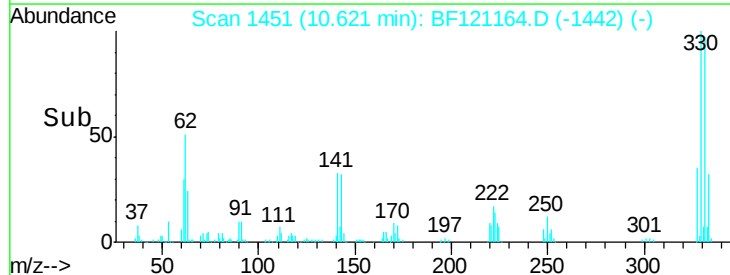
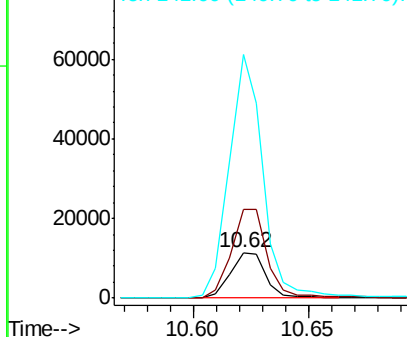


#67  
 4-Bromophenyl-phenylether  
 Concen: 2.325 ng  
 RT: 10.62 min Scan# 1451  
 Delta R.T. -0.25 min  
 Lab File: BF121164.D  
 Acq: 31 Jul 2020 18:05

Tgt Ion:248 Resp: 12145  
 Ion Ratio Lower Upper  
 248 100  
 250 195.4 77.0 115.6#  
 141 534.1 56.6 85.0#



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

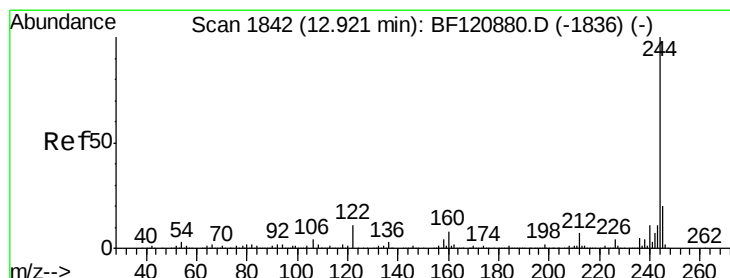
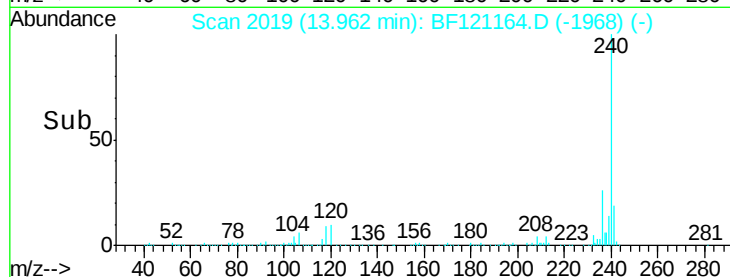
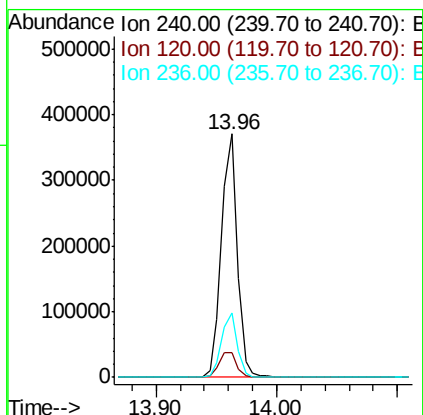
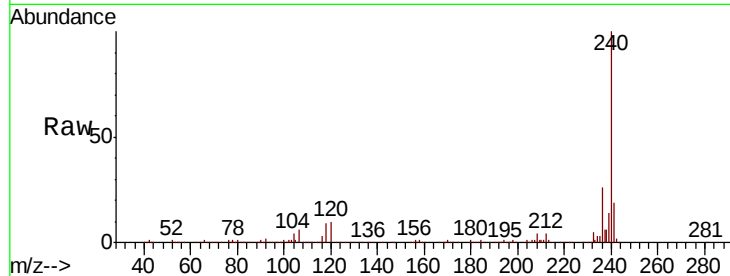




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.96 min Scan# 2019  
Delta R.T. -0.00 min  
Lab File: BF121164.D  
Acq: 31 Jul 2020 18:05

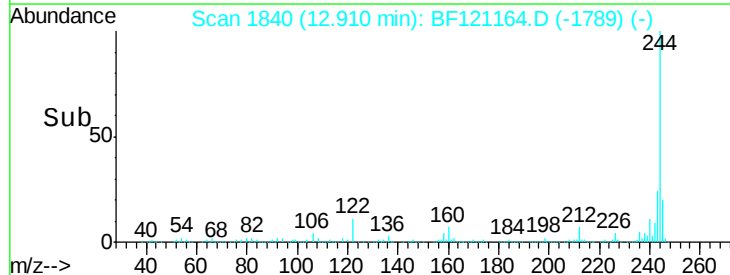
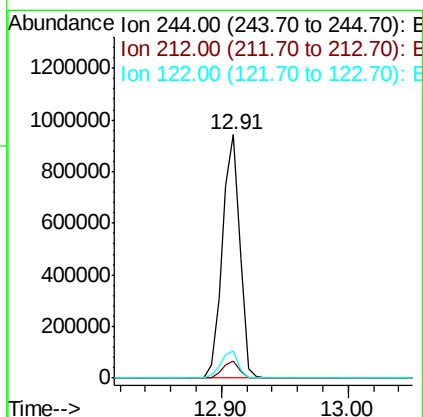
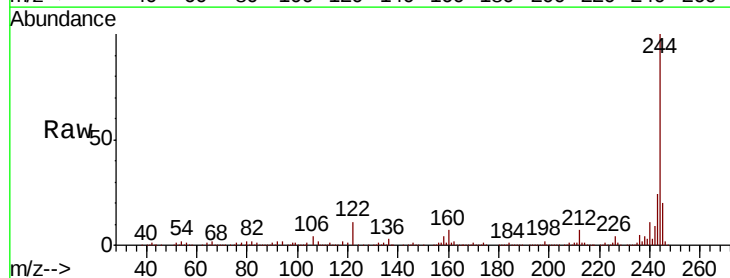
Instrument :  
BNA\_F  
ClientSampled :  
TP-11

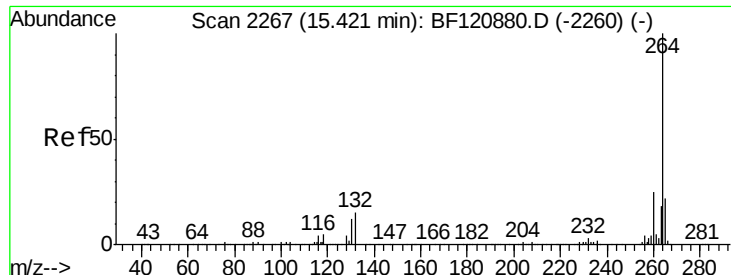
Tot Ion:240 Resp: 336089  
Ion Ratio Lower Upper  
240 100  
120 10.2 9.3 13.9  
236 26.3 21.1 31.7



#79  
Terphenyl-d14  
Concen: 58.519 ng  
RT: 12.91 min Scan# 1840  
Delta R.T. -0.00 min  
Lab File: BF121164.D  
Acq: 31 Jul 2020 18:05

Tgt Ion:244 Resp: 904757  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.7 8.5  
122 11.0 8.3 12.5





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.41 min Scan# 2265  
Delta R.T. 0.01 min  
Lab File: BF121164.D  
Acq: 31 Jul 2020 18:05

Instrument :  
BNA\_F  
ClientSampleId :  
TP-11

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 19.9  | 29.9  |
| 265     | 22.4  | 17.8  | 26.8  |

