

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060120\  
 Data File : BF120463.D  
 Acq On : 1 Jun 2020 11:43  
 Operator : JU/CG  
 Sample : L2790-11DL 5X  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3-SDL

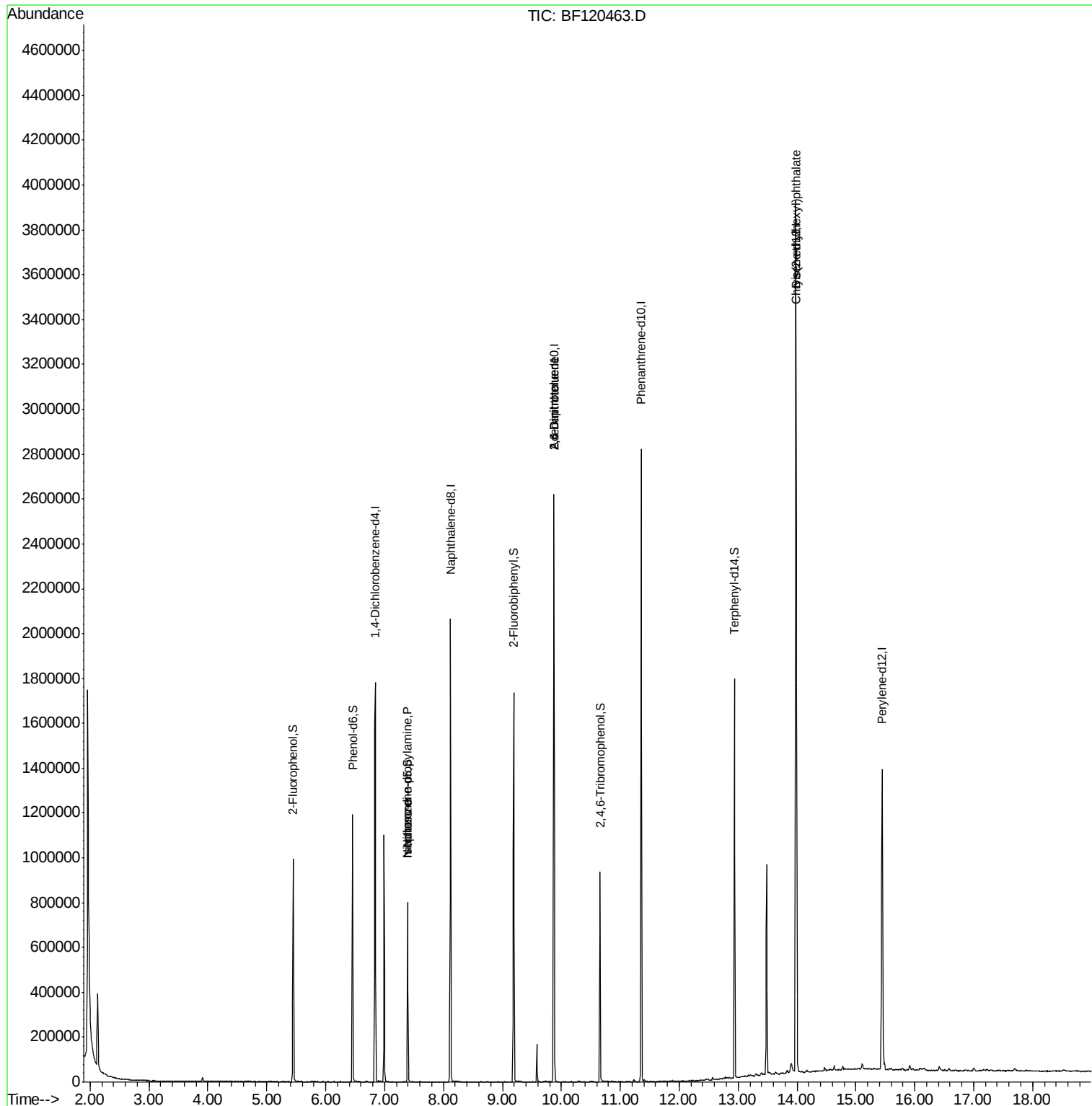
Quant Time: Jun 01 12:16:43 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 29 12:39:43 2020  
 Response via : Initial Calibration

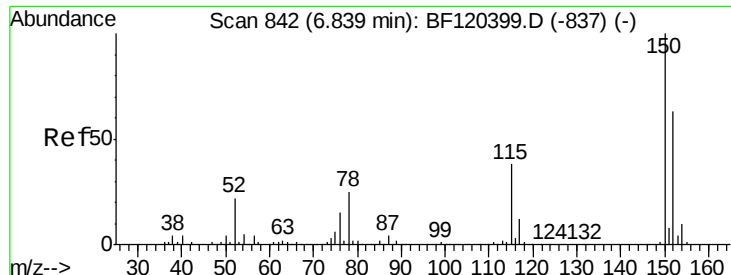
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.84  | 152  | 275079   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.12  | 136  | 1019105  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.87  | 164  | 519528   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.36 | 188  | 962955   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.99 | 240  | 698196   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.44 | 264  | 618438   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.45  | 112  | 279075   | 19.33  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.46  | 99   | 375872   | 21.13  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.39  | 82   | 223968   | 14.38  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.66 | 330  | 107050   | 22.24  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.19  | 172  | 499040   | 16.30  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.94 | 244  | 568334   | 18.11  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.39  | 70   | 28407    | 2.512  | ng    | # 77     |
| 25) Isophorone                 | 7.39  | 82   | 222259   | 7.098  | ng    | # 64     |
| 51) 2,6-Dinitrotoluene         | 9.87  | 165  | 66891    | 9.267  | ng    | # 23     |
| 57) 2,4-Dinitrotoluene         | 9.87  | 165  | 66891    | 7.241  | ng    | # 22     |
| 84) Bis(2-ethylhexyl)phthalate | 13.98 | 149  | 999813   | 42.017 | ng    | 98       |

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

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ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 01 12:16:43 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri May 29 12:39:43 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.84 min Scan# 842

Delta R.T. -0.00 min

Lab File: BF120463.D

Acq: 1 Jun 2020 11:43

Instrument :

BNA\_F

ClientSampleId :

SB-3-SDL

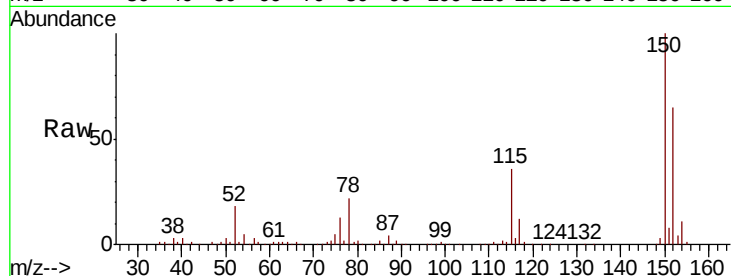
Tot Ion:152 Resp: 275079

Ion Ratio Lower Upper

152 100

150 152.8 126.5 189.7

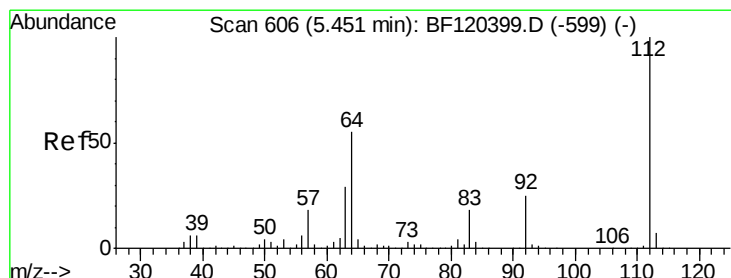
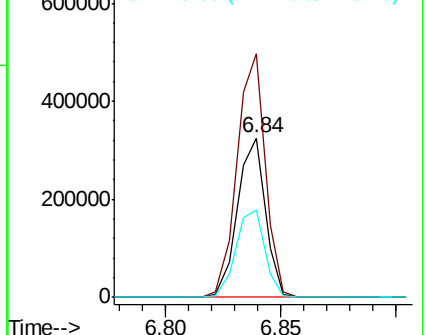
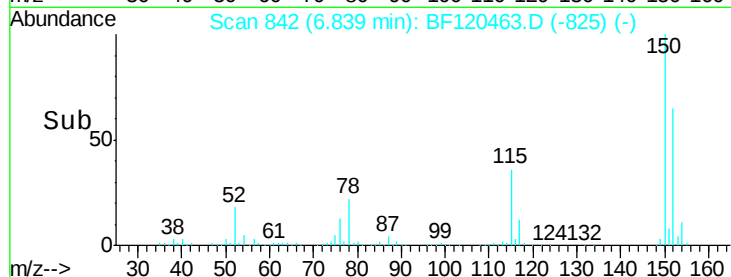
115 55.1 47.6 71.4



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: 19.334 ng

RT: 5.45 min Scan# 605

Delta R.T. -0.01 min

Lab File: BF120463.D

Acq: 1 Jun 2020 11:43

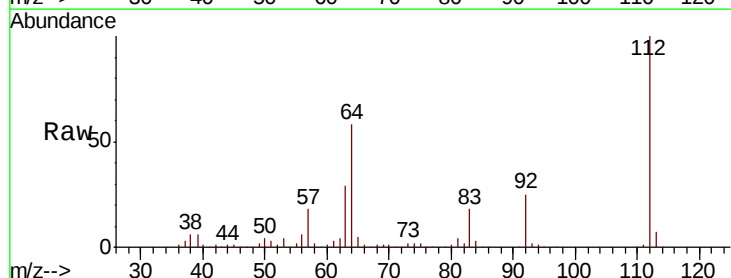
Tgt Ion:112 Resp: 279075

Ion Ratio Lower Upper

112 100

64 57.6 44.3 66.5

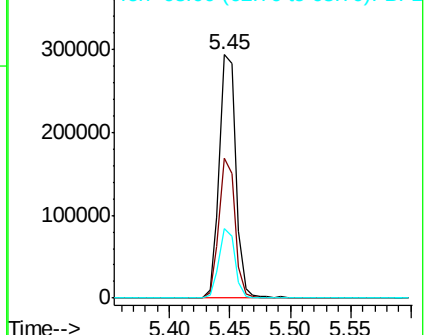
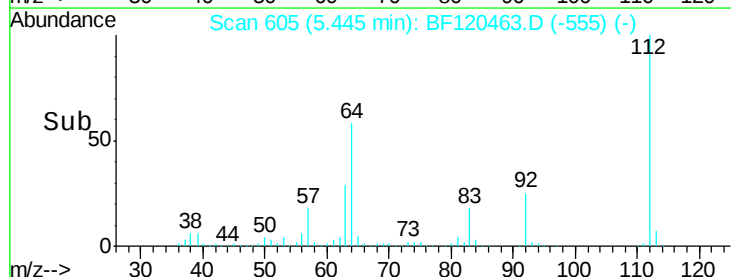
63 28.6 22.9 34.3



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: 21.127 ng

RT: 6.46 min Scan# 777

Delta R.T. -0.01 min

Lab File: BF120463.D

Acq: 1 Jun 2020 11:43

Instrument :

BNA\_F

ClientSampleId :

SB-3-SDL

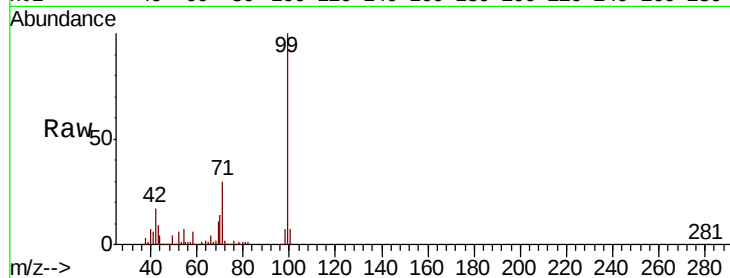
Tot Ion: 99 Resp: 375872

Ion Ratio Lower Upper

99 100

42 17.0 15.2 22.8

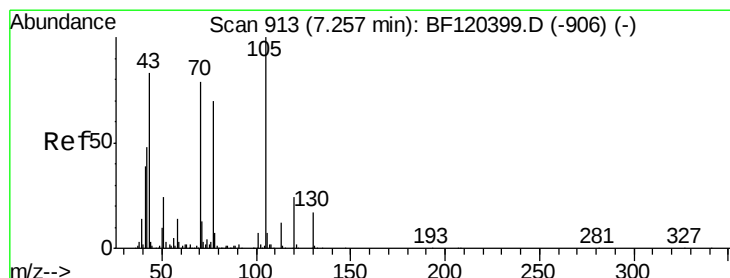
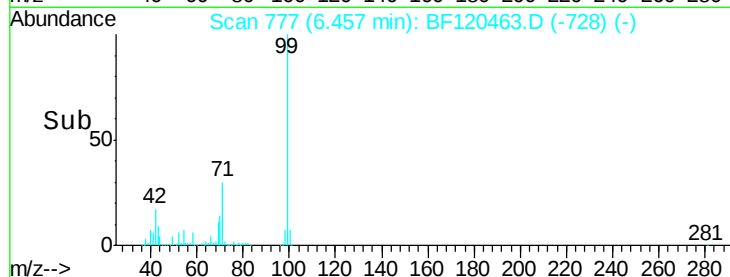
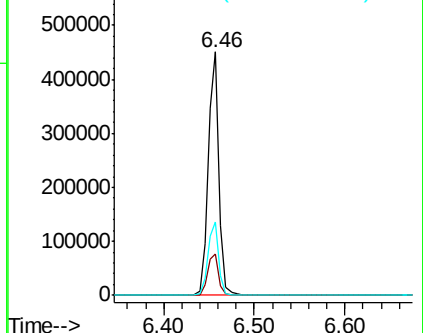
71 30.3 25.6 38.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.512 ng

RT: 7.39 min Scan# 936

Delta R.T. 0.14 min

Lab File: BF120463.D

Acq: 1 Jun 2020 11:43

Tgt Ion: 70 Resp: 28407

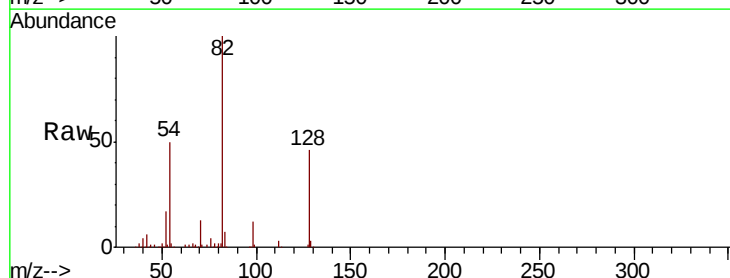
Ion Ratio Lower Upper

70 100

42 48.3 48.9 73.3#

101 0.0 7.4 11.2#

130 2.2 16.8 25.2#

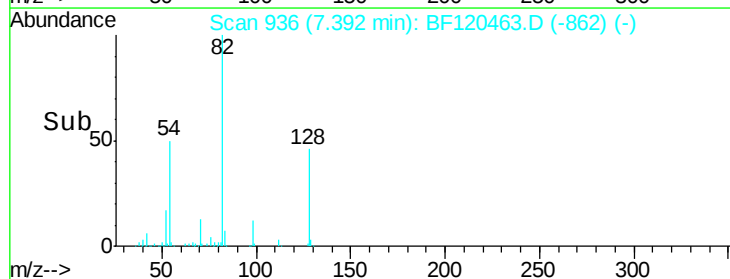
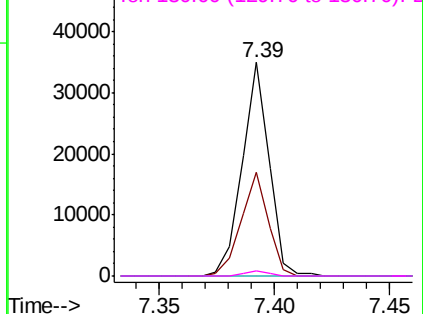


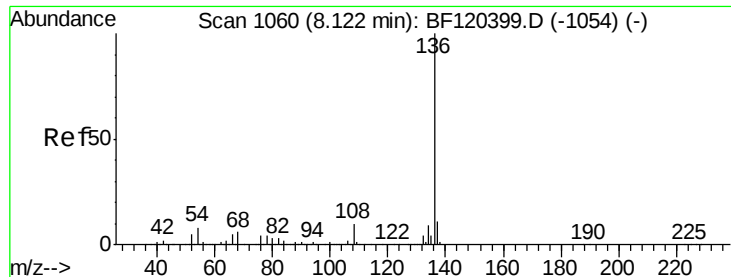
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BF120463.D

Acq: 1 Jun 2020 11:43

Instrument :

BNA\_F

ClientSampleId :

SB-3-SDL

Tot Ion:136 Resp: 1019105

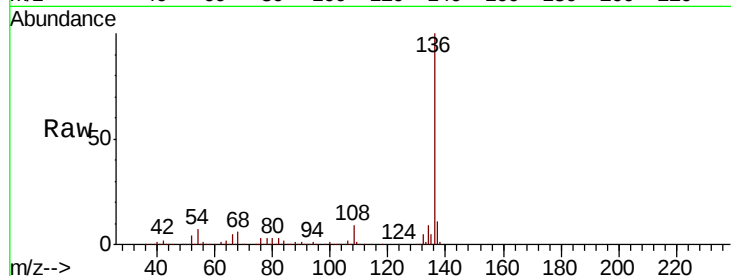
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.9 6.7 10.1

68 5.5 5.0 7.4

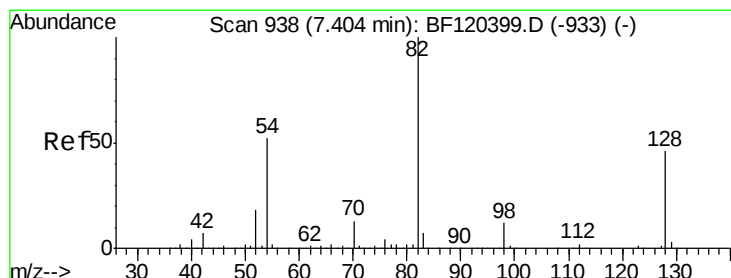
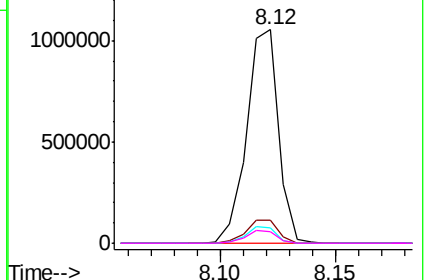
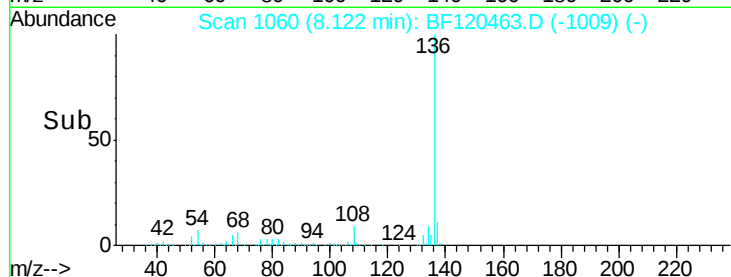


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.376 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF120463.D

Acq: 1 Jun 2020 11:43

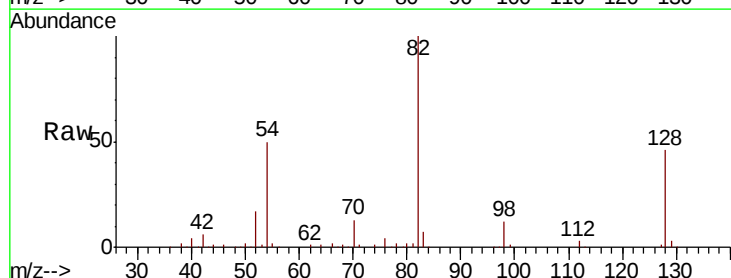
Tgt Ion: 82 Resp: 223968

Ion Ratio Lower Upper

82 100

128 45.8 36.8 55.2

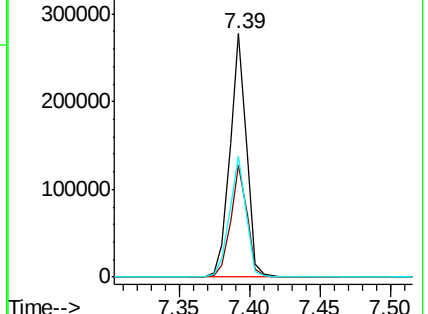
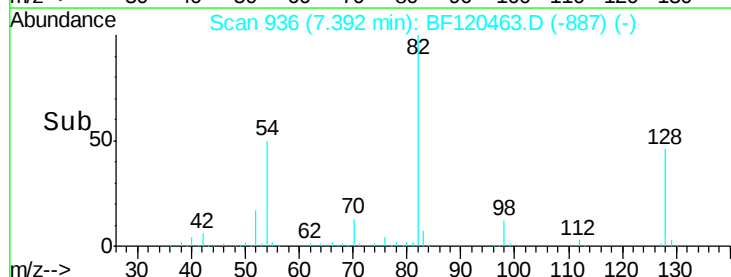
54 49.5 41.6 62.4



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: 7.098 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.27 min

Lab File: BF120463.D

Acq: 1 Jun 2020 11:43

Instrument :

BNA\_F

ClientSampleId :

SB-3-SDL

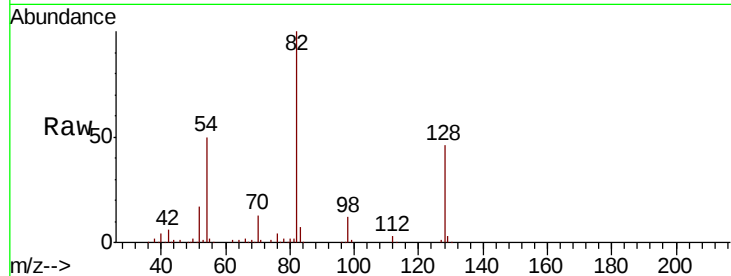
Tot Ion: 82 Resp: 222259

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

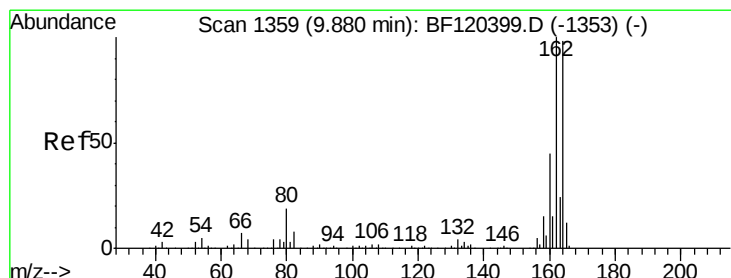
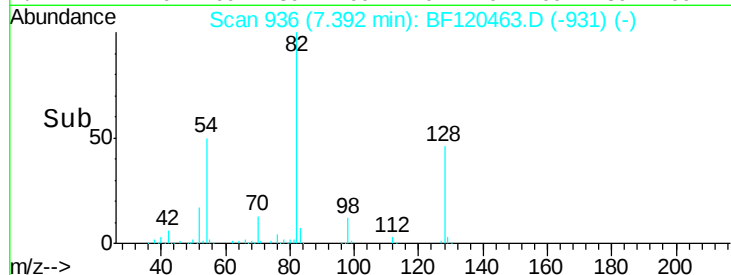
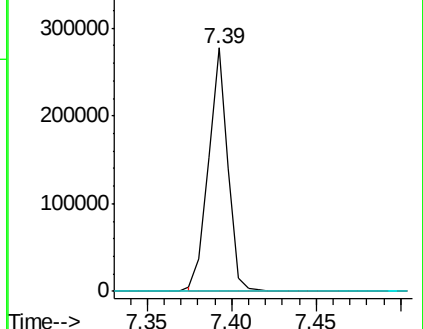
138 0.0 15.0 22.4#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.00 min

Lab File: BF120463.D

Acq: 1 Jun 2020 11:43

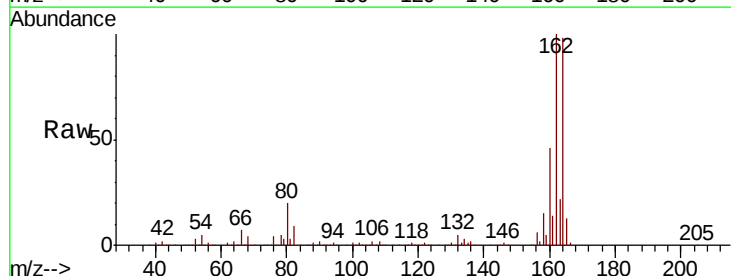
Tgt Ion:164 Resp: 519528

Ion Ratio Lower Upper

164 100

162 101.9 81.3 121.9

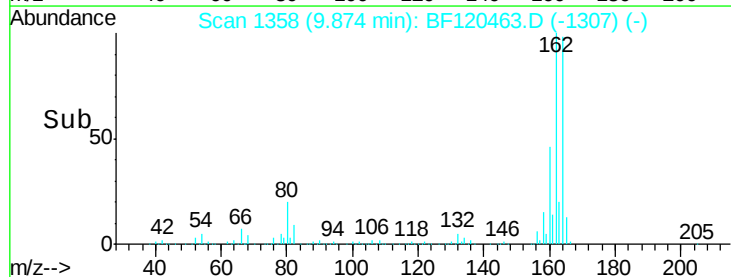
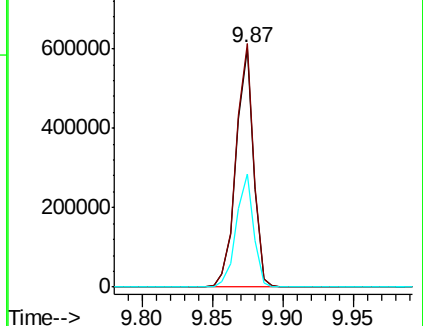
160 47.3 36.9 55.3

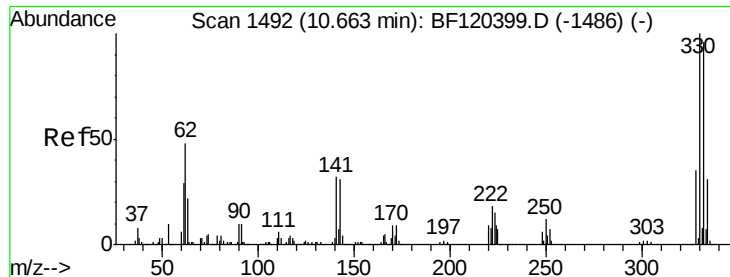


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

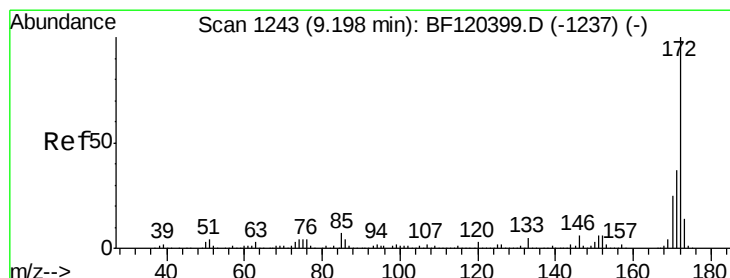
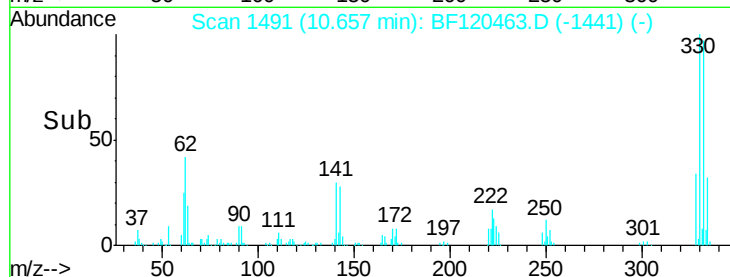
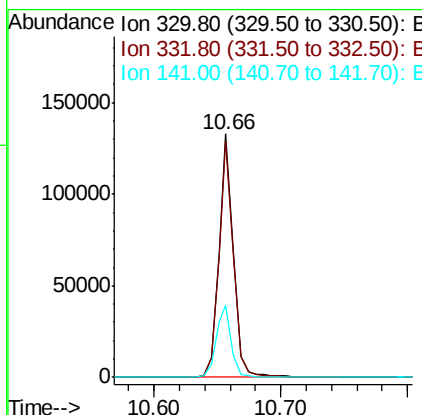
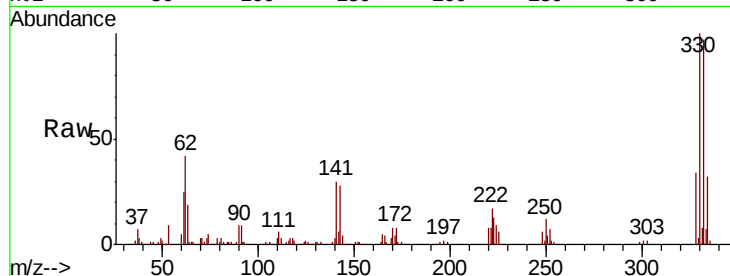




#42  
 2,4,6-Tribromophenol  
 Concen: 22.239 ng  
 RT: 10.66 min Scan# 1491  
 Delta R.T. -0.01 min  
 Lab File: BF120463.D  
 Acq: 1 Jun 2020 11:43

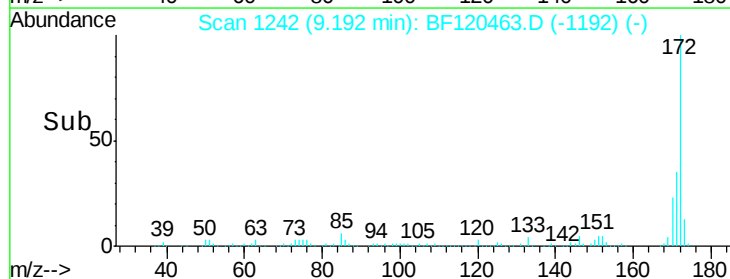
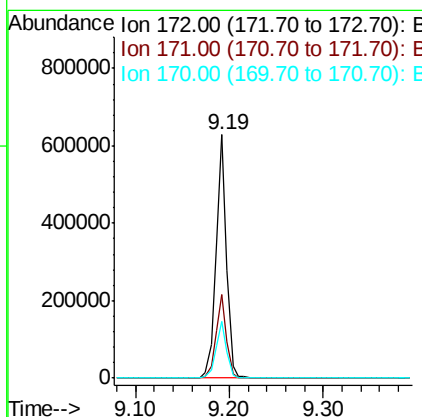
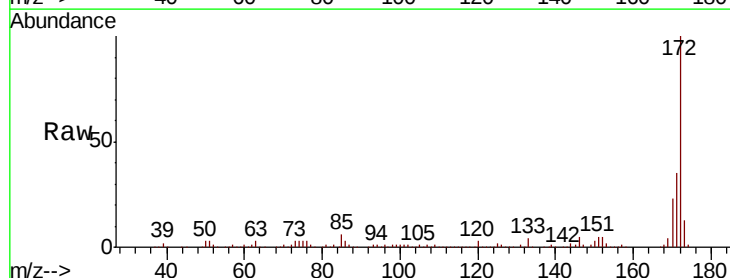
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3-SDL

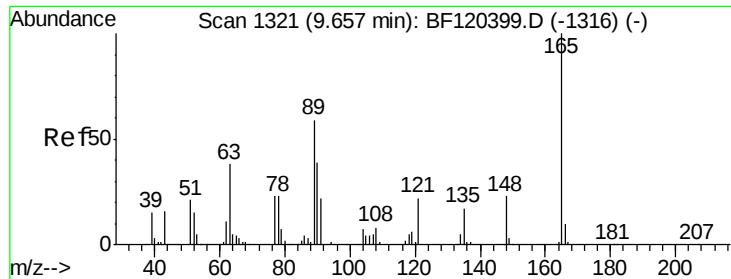
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.3  | 77.0  | 115.6 |
| 141     | 31.1  | 25.3  | 37.9  |



#45  
 2-Fluorobiphenyl  
 Concen: 16.298 ng  
 RT: 9.19 min Scan# 1242  
 Delta R.T. -0.01 min  
 Lab File: BF120463.D  
 Acq: 1 Jun 2020 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.6  | 29.7  | 44.5  |
| 170     | 23.1  | 19.9  | 29.9  |

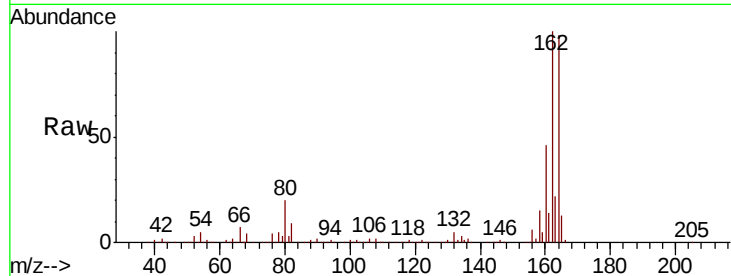




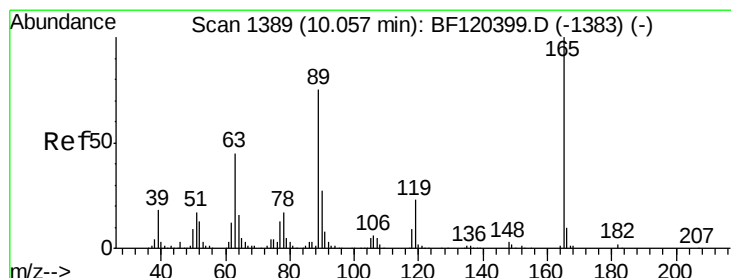
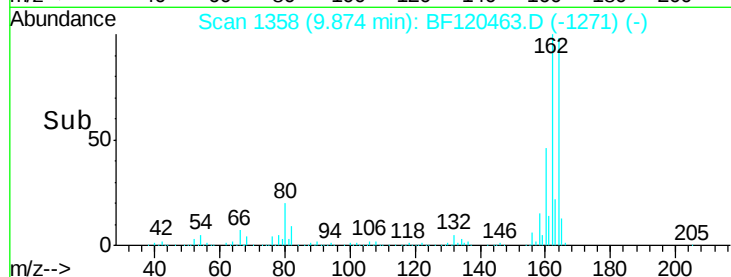
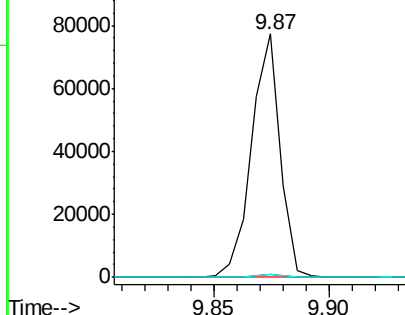
#51  
 2,6-Dinitrotoluene  
 Concen: 9.267 ng  
 RT: 9.87 min Scan# 1358  
 Delta R.T. 0.21 min  
 Lab File: BF120463.D  
 Acq: 1 Jun 2020 11:43

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-3-SDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.0   | 46.9  | 70.3# |
| 89      | 1.4   | 47.5  | 71.3# |



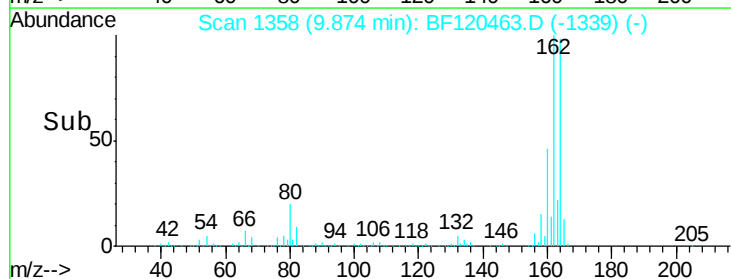
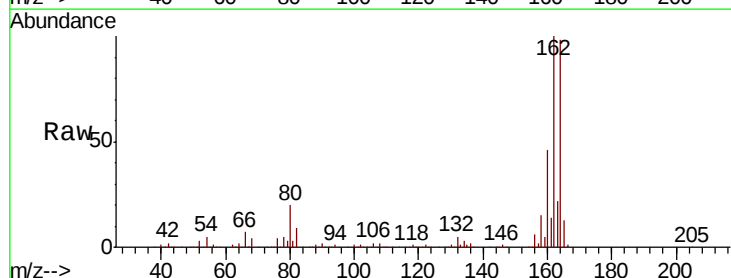
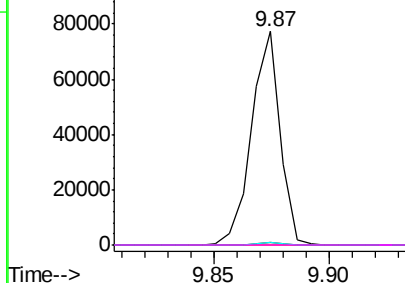
Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1

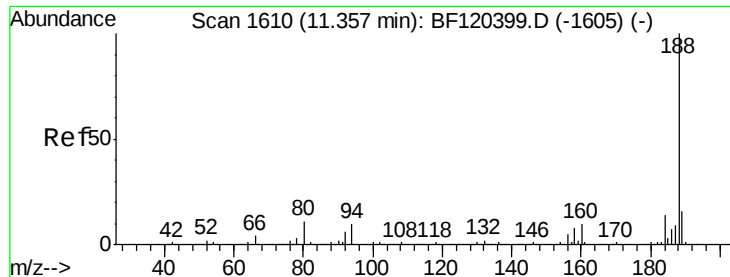


#57  
 2,4-Dinitrotoluene  
 Concen: 7.241 ng  
 RT: 9.87 min Scan# 1358  
 Delta R.T. -0.19 min  
 Lab File: BF120463.D  
 Acq: 1 Jun 2020 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.0   | 35.9  | 53.9# |
| 89      | 1.4   | 60.0  | 90.0# |
| 182     | 0.0   | 2.0   | 3.0#  |

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

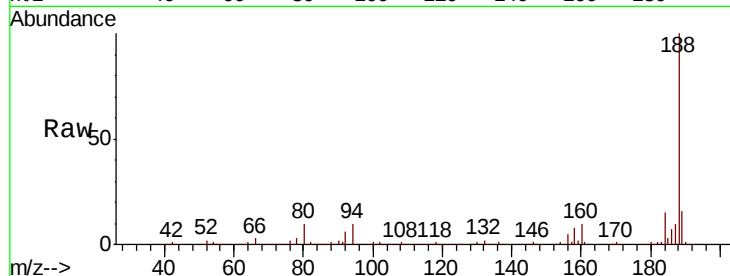




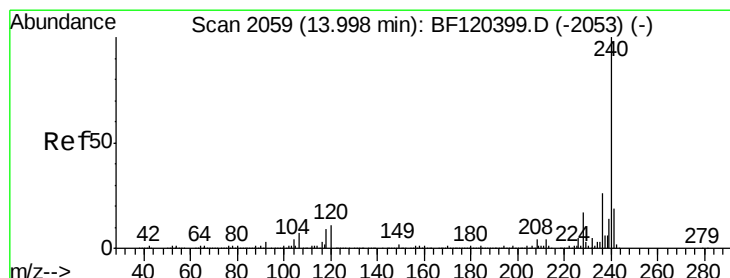
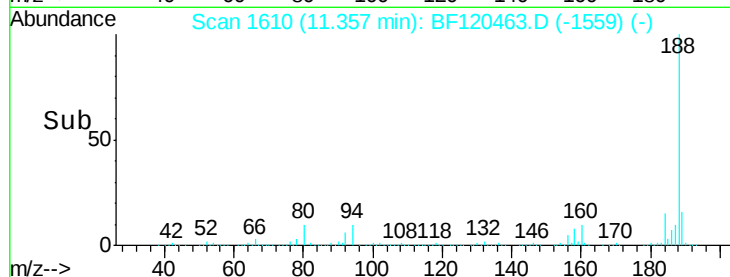
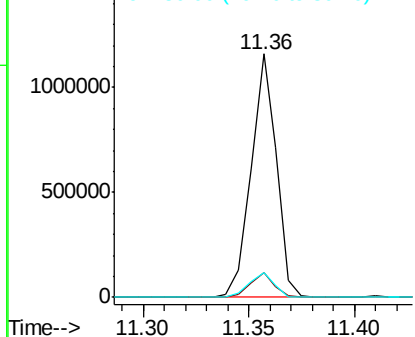
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.36 min Scan# 1610  
Delta R.T. -0.00 min  
Lab File: BF120463.D  
Acq: 1 Jun 2020 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
SB-3-SDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.0  | 7.9   | 11.9  |
| 80      | 10.3  | 8.6   | 13.0  |

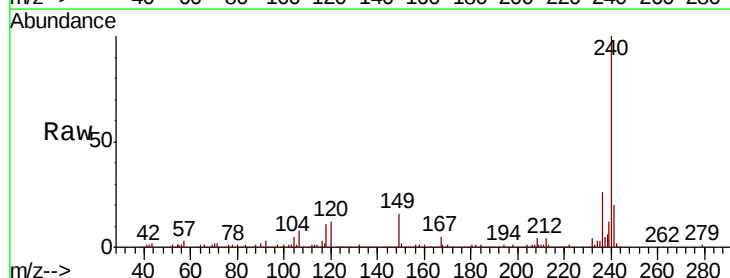


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

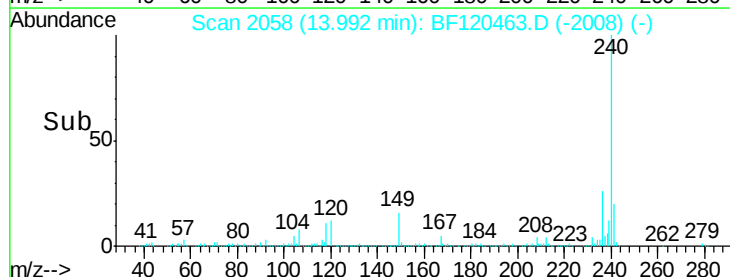
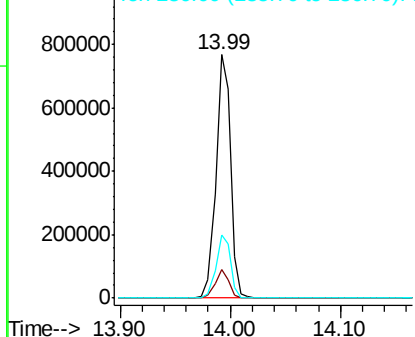


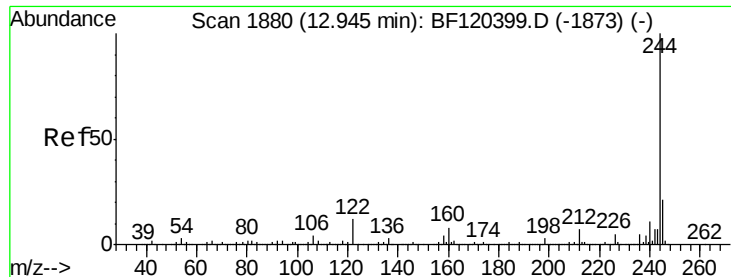
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.99 min Scan# 2058  
Delta R.T. -0.01 min  
Lab File: BF120463.D  
Acq: 1 Jun 2020 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.9  | 8.8   | 13.2  |
| 236     | 25.8  | 21.0  | 31.4  |



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: 18.114 ng

RT: 12.94 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BF120463.D

Acq: 1 Jun 2020 11:43

Instrument :

BNA\_F

ClientSampleId :

SB-3-SDL

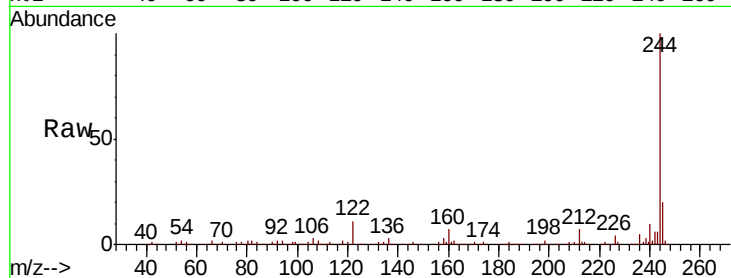
Tot Ion:244 Resp: 568334

Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

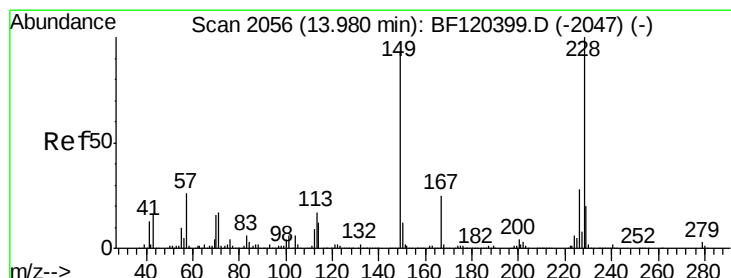
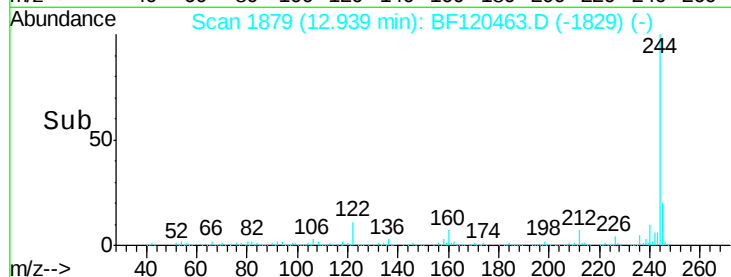
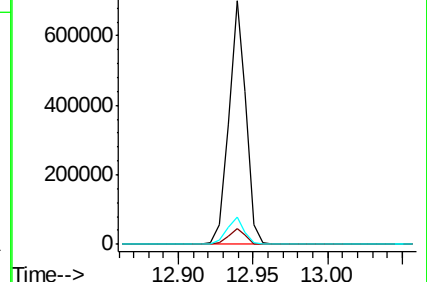
122 11.3 9.2 13.8



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.017 ng

RT: 13.98 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BF120463.D

Acq: 1 Jun 2020 11:43

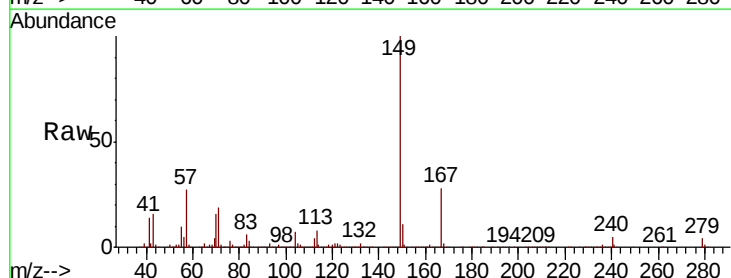
Tgt Ion:149 Resp: 999813

Ion Ratio Lower Upper

149 100

167 28.0 21.7 32.5

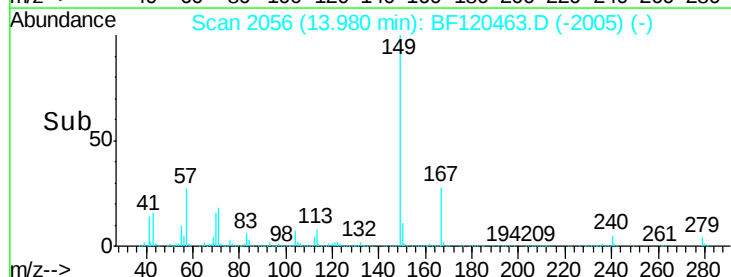
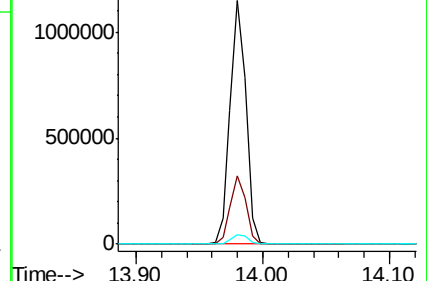
279 4.0 2.9 4.3

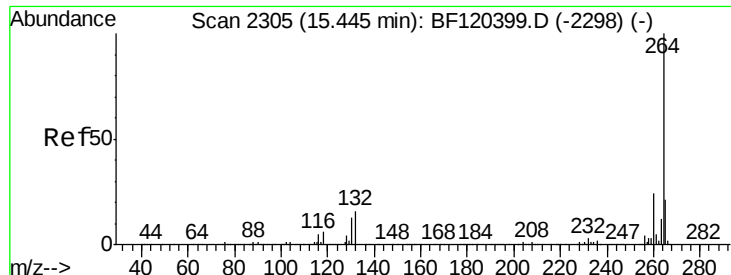


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

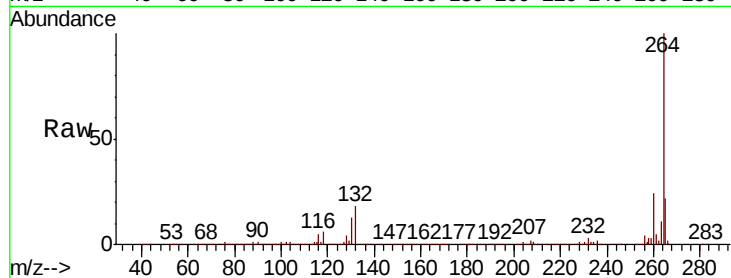




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.44 min Scan# 2305  
Delta R.T. -0.01 min  
Lab File: BF120463.D  
Acq: 1 Jun 2020 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
SB-3-SDL

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 618438 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.2  | 19.2  | 28.8   |
| 265      | 21.9  | 16.9  | 25.3   |



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

