

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060520\  
 Data File : BF120560.D  
 Acq On : 5 Jun 2020 15:30  
 Operator : JU/CG  
 Sample : L2886-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SLAB-2

Quant Time: Jun 05 17:23:48 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 05 15:36:20 2020  
 Response via : Initial Calibration

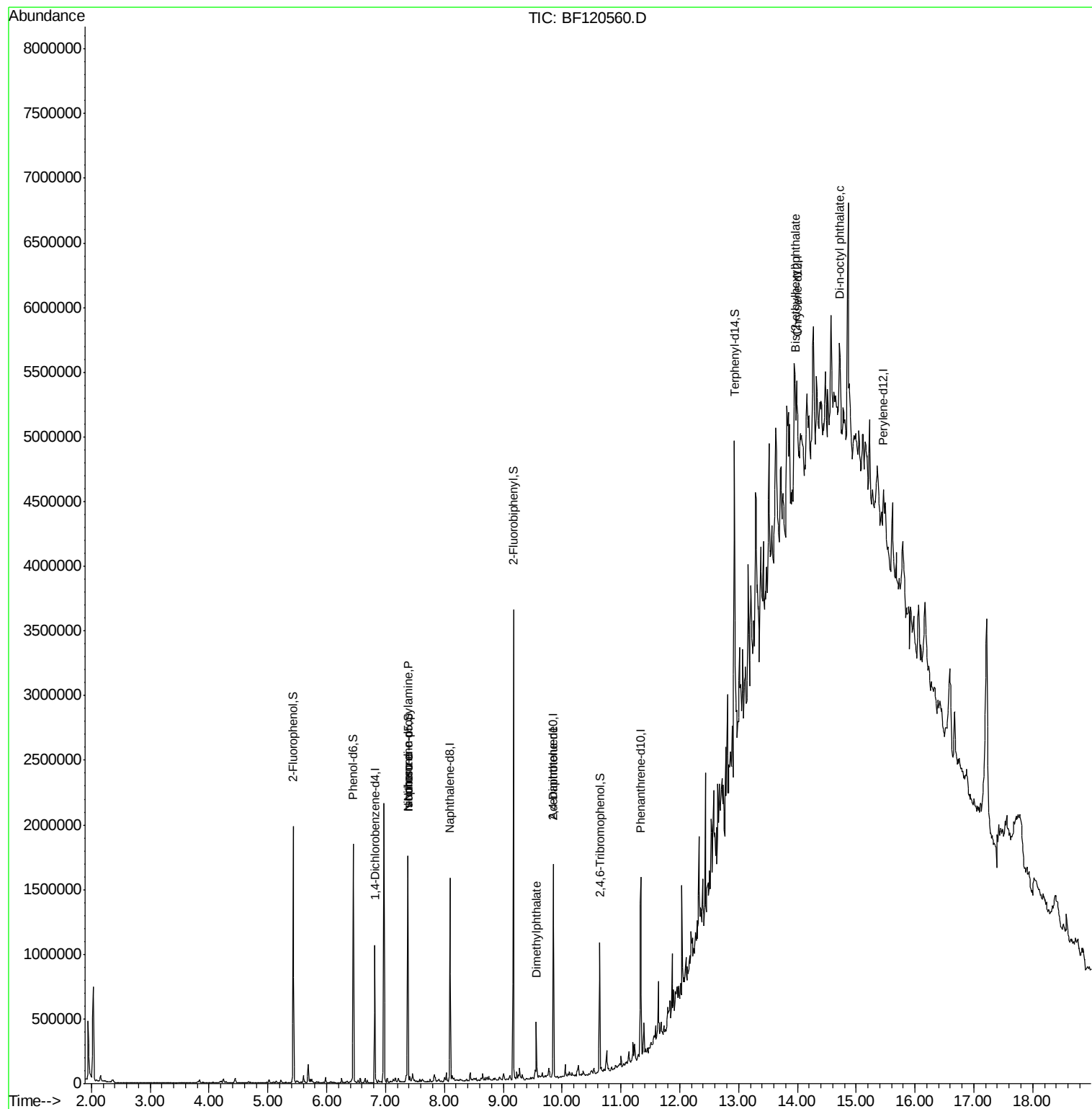
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.82  | 152  | 142000   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.10  | 136  | 625241   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.85  | 164  | 305941   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.34 | 188  | 523136   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.99 | 240  | 239777   | 20.00  | ng    | 0.01     |
| 86) Perylene-d12               | 15.46 | 264  | 265401   | 20.00  | ng    | 0.04     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.43  | 112  | 528603   | 70.94  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.45  | 99   | 651984   | 70.99  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.38  | 82   | 558024   | 58.38  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.64 | 330  | 113646   | 40.09  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.17  | 172  | 1059738  | 58.77  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.93 | 244  | 813994   | 75.54  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.38  | 70   | 75698    | 12.966 | ng    | # 75     |
| 25) Isophorone                 | 7.38  | 82   | 555173   | 28.899 | ng    | # 64     |
| 50) Dimethylphthalate          | 9.57  | 163  | 169914   | 8.884  | ng    | 100      |
| 57) 2,4-Dinitrotoluene         | 9.85  | 165  | 40194    | 7.389  | ng    | # 24     |
| 84) Bis(2-ethylhexyl)phthalate | 13.97 | 149  | 106588   | 13.043 | ng    | # 88     |
| 85) Di-n-octyl phthalate       | 14.72 | 149  | 468217   | 33.113 | ng    | # 64     |

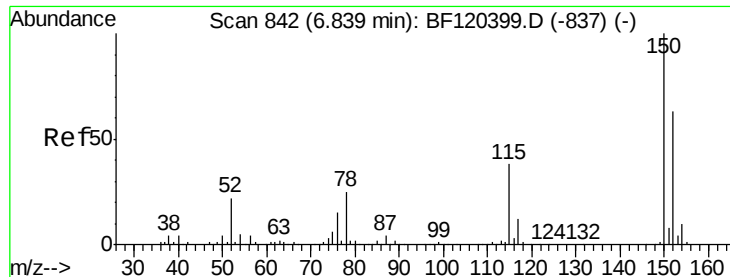
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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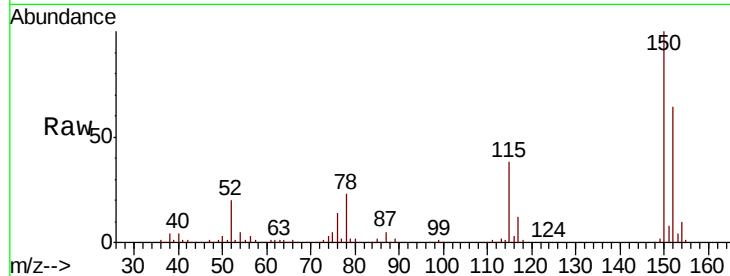


#1

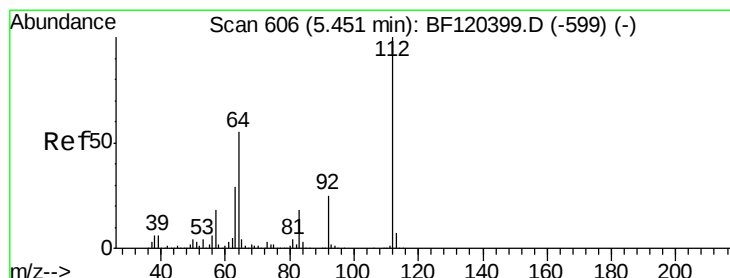
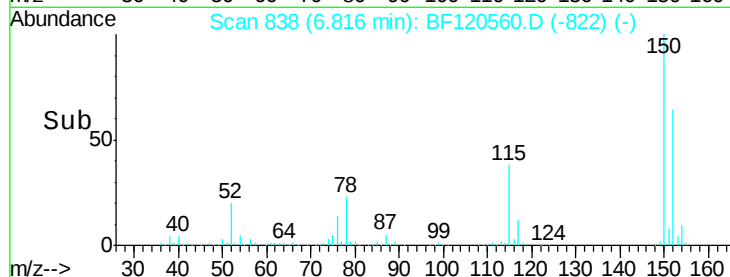
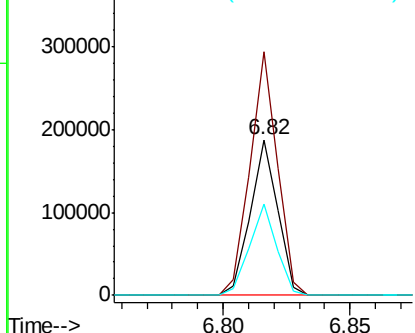
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 838  
Delta R.T. -0.01 min  
Lab File: BF120560.D  
Acq: 5 Jun 2020 15:30

Instrument :  
BNA\_F  
ClientSampleId :  
SLAB-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.8 | 124.2 | 186.4 |
| 115     | 58.8  | 43.8  | 65.6  |



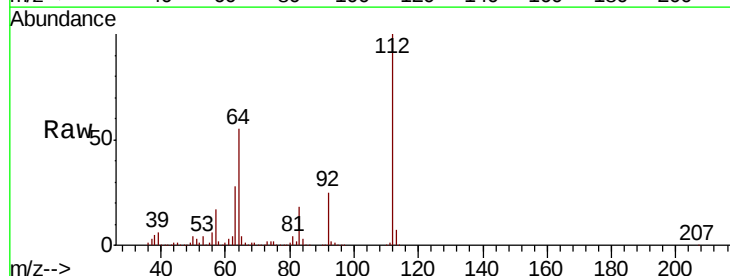
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



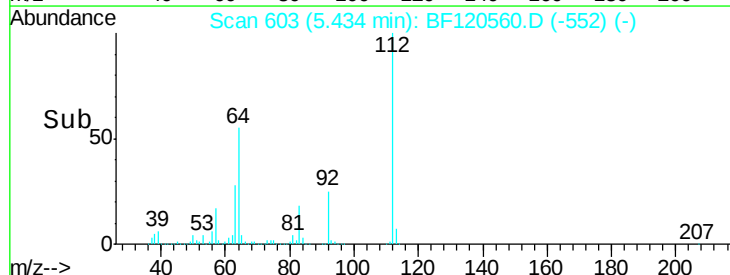
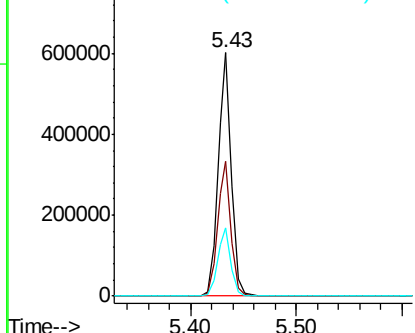
#5

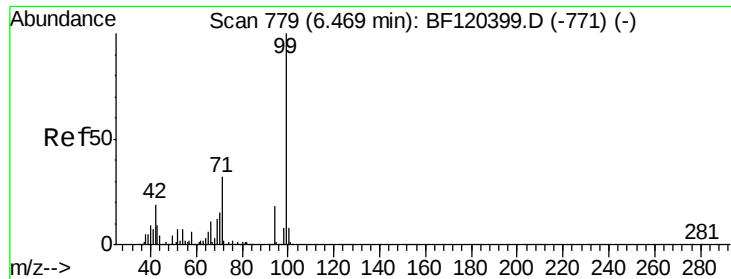
2-Fluorophenol  
Concen: 70.943 ng  
RT: 5.43 min Scan# 603  
Delta R.T. -0.00 min  
Lab File: BF120560.D  
Acq: 5 Jun 2020 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.1  | 46.5  | 69.7  |
| 63      | 28.0  | 23.6  | 35.4  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 70.991 ng

RT: 6.45 min Scan# 776

Delta R.T. -0.01 min

Lab File: BF120560.D

Acq: 5 Jun 2020 15:30

Instrument :

BNA\_F

ClientSampleId :

SLAB-2

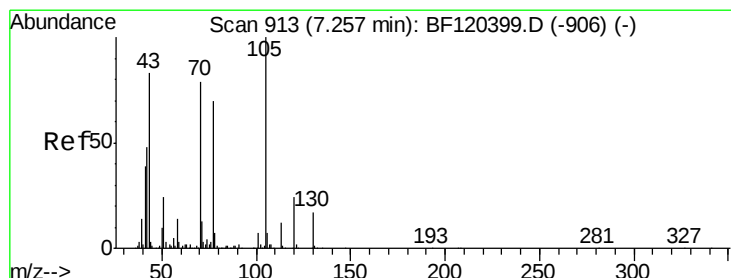
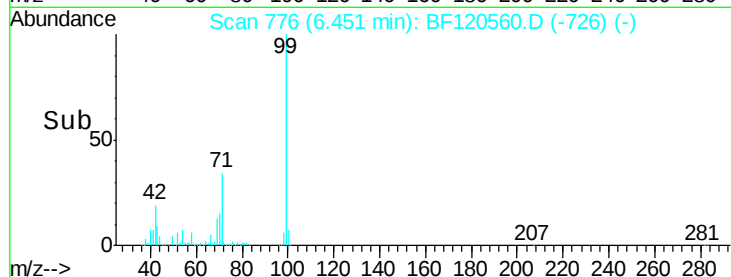
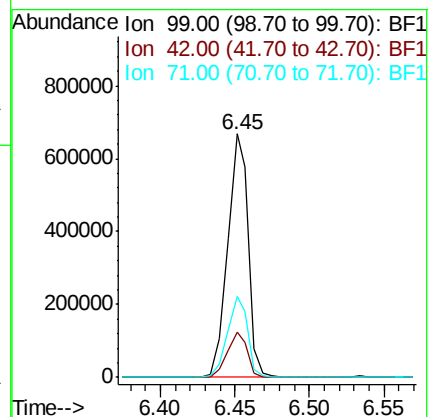
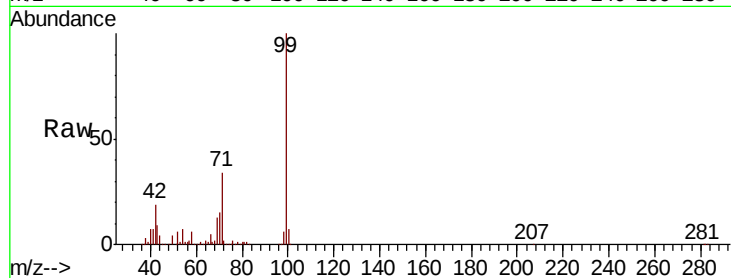
Tot Ion: 99 Resp: 651984

Ion Ratio Lower Upper

99 100

42 18.7 14.8 22.2

71 33.5 25.8 38.6



#19

n-Nitroso-di-n-propylamine

Concen: 12.966 ng

RT: 7.38 min Scan# 934

Delta R.T. 0.15 min

Lab File: BF120560.D

Acq: 5 Jun 2020 15:30

Tgt Ion: 70 Resp: 75698

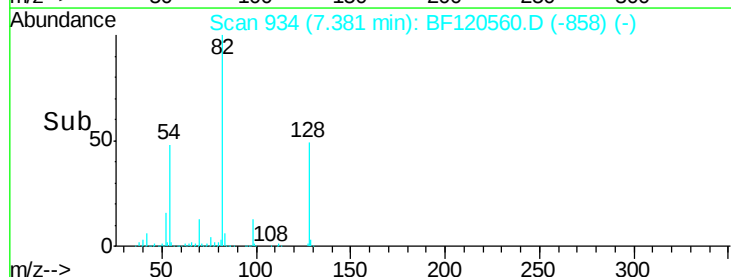
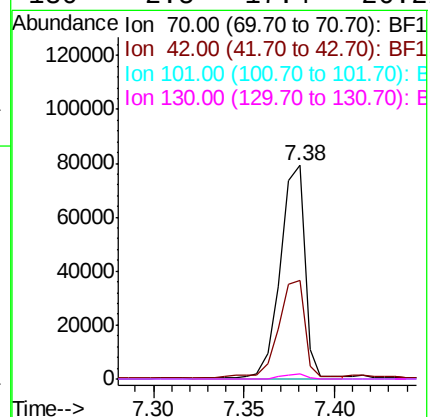
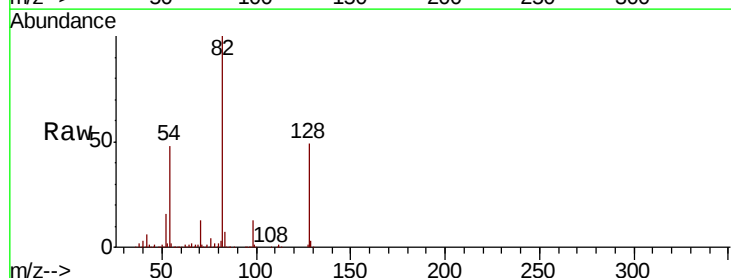
Ion Ratio Lower Upper

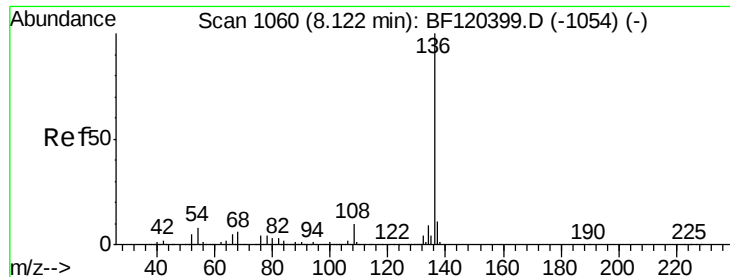
70 100

42 46.1 49.1 73.7#

101 0.0 7.7 11.5#

130 2.5 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF120560.D

Acq: 5 Jun 2020 15:30

Instrument :

BNA\_F

ClientSampleId :

SLAB-2

Tot Ion:136 Resp: 625241

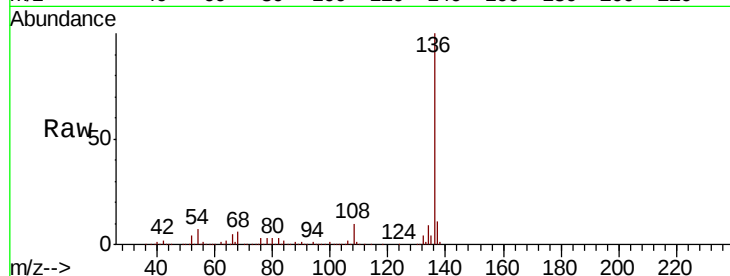
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 7.3 5.1 7.7

68 5.9 4.0 6.0

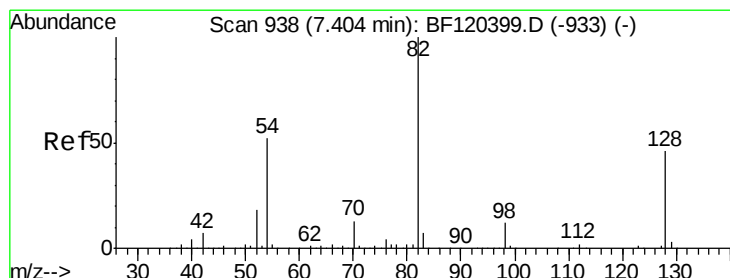
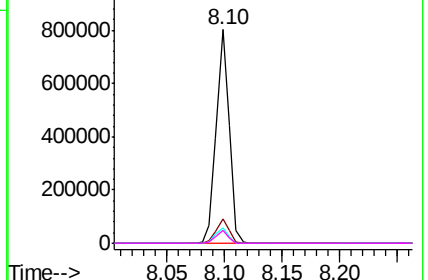
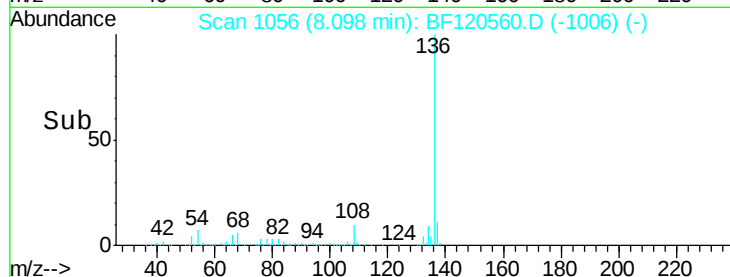


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.381 ng

RT: 7.38 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF120560.D

Acq: 5 Jun 2020 15:30

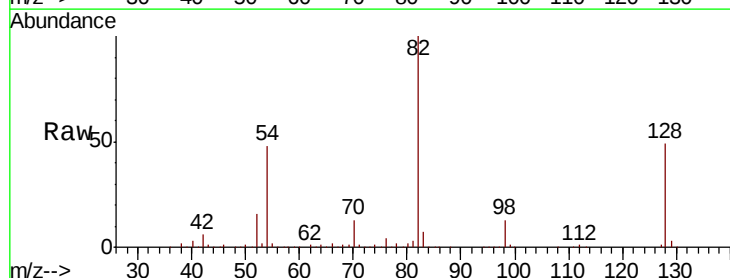
Tgt Ion: 82 Resp: 558024

Ion Ratio Lower Upper

82 100

128 49.0 38.6 57.8

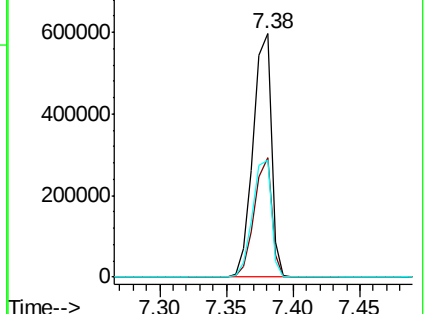
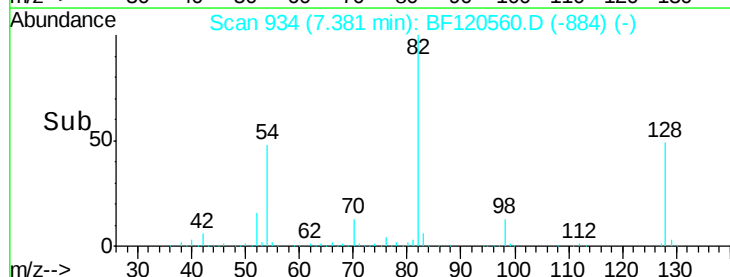
54 48.1 39.5 59.3



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: 28.899 ng

RT: 7.38 min Scan# 934

Delta R.T. -0.26 min

Lab File: BF120560.D

Acq: 5 Jun 2020 15:30

Instrument :

BNA\_F

ClientSampleId :

SLAB-2

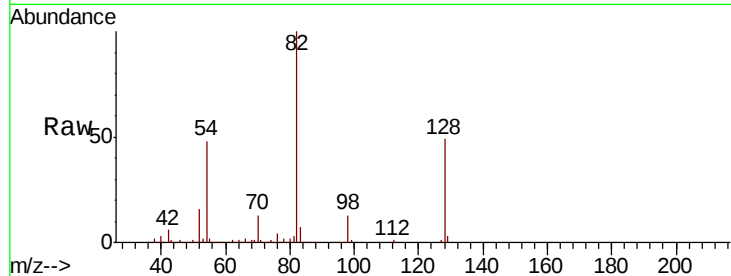
Tot Ion: 82 Resp: 555173

Ion Ratio Lower Upper

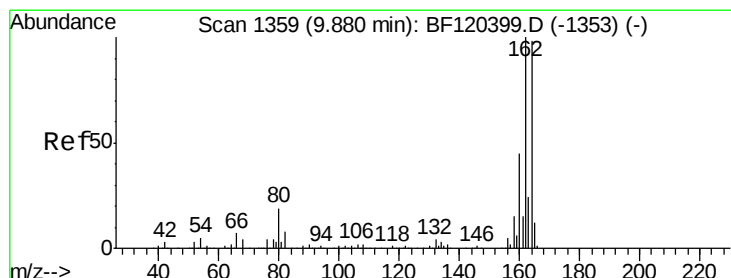
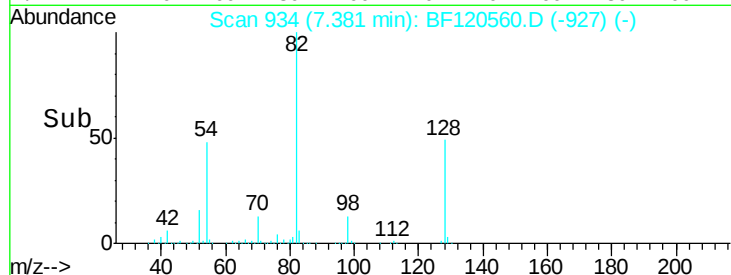
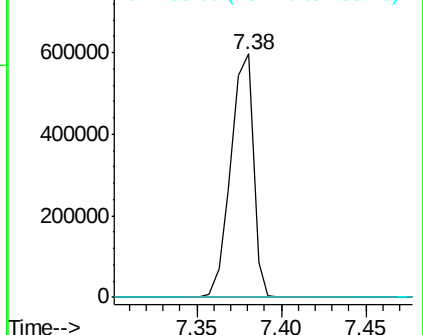
82 100

95 0.1 5.8 8.6#

138 0.0 14.9 22.3#



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: 9.85 min Scan# 1354

Delta R.T. -0.01 min

Lab File: BF120560.D

Acq: 5 Jun 2020 15:30

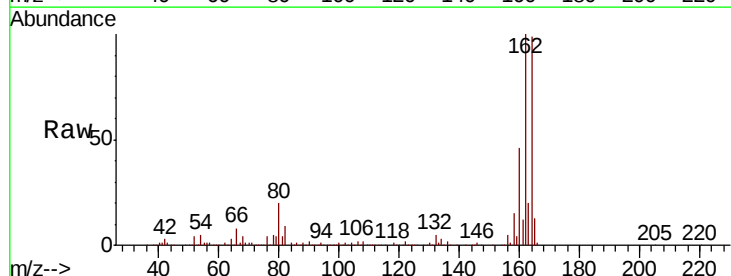
Tgt Ion: 164 Resp: 305941

Ion Ratio Lower Upper

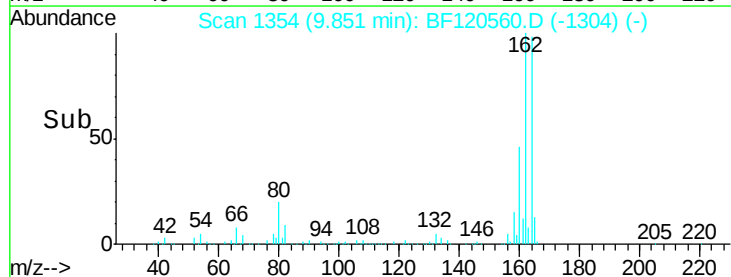
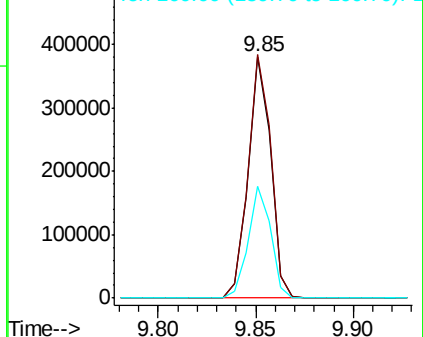
164 100

162 100.9 80.3 120.5

160 46.3 36.6 54.8



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

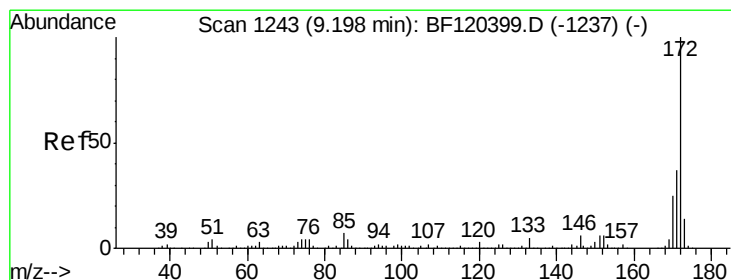
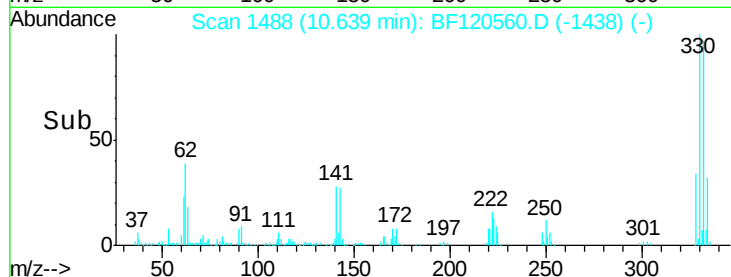
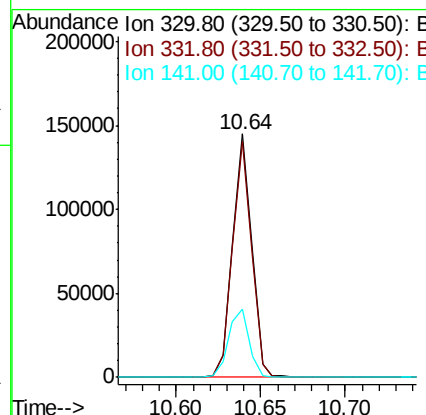
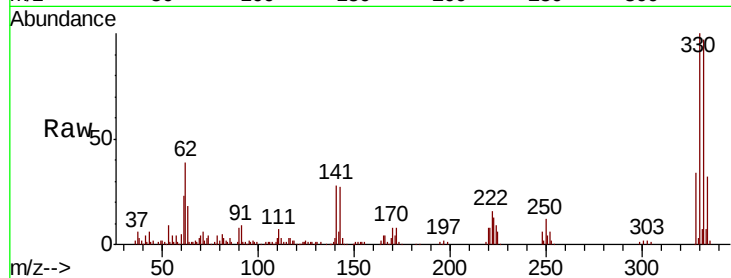




#42  
 2,4,6-Tribromophenol  
 Concen: 40.091 ng  
 RT: 10.64 min Scan# 1488  
 Delta R.T. -0.01 min  
 Lab File: BF120560.D  
 Acq: 5 Jun 2020 15:30

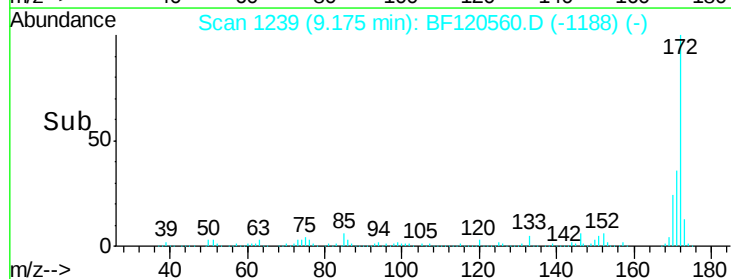
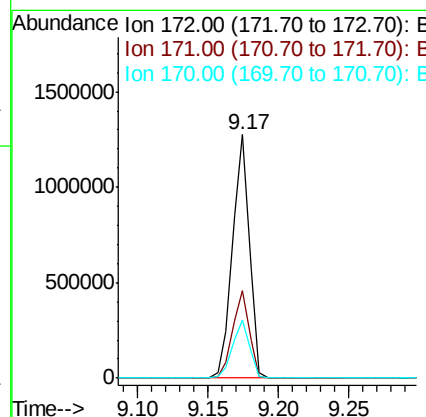
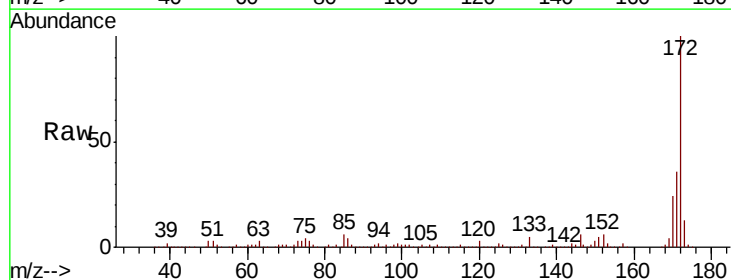
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SLAB-2

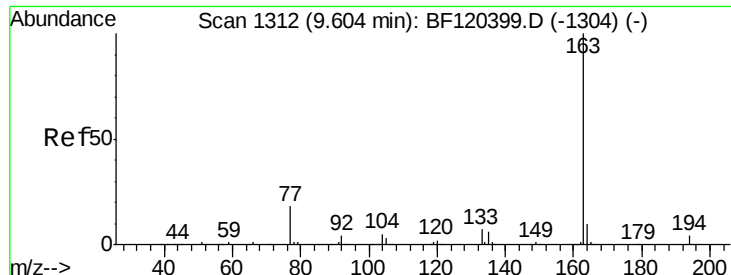
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 76.7  | 115.1 |
| 141     | 30.0  | 23.9  | 35.9  |



#45  
 2-Fluorobiphenyl  
 Concen: 58.771 ng  
 RT: 9.17 min Scan# 1239  
 Delta R.T. -0.00 min  
 Lab File: BF120560.D  
 Acq: 5 Jun 2020 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 28.6  | 42.8  |
| 170     | 24.1  | 19.0  | 28.6  |

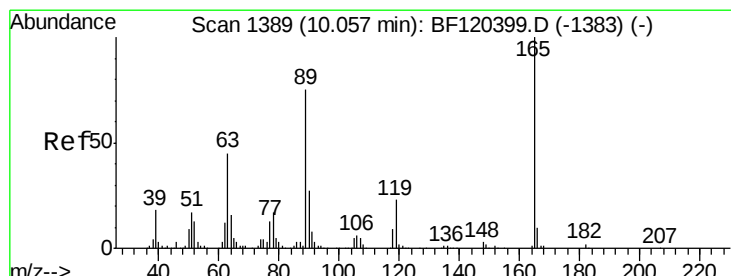
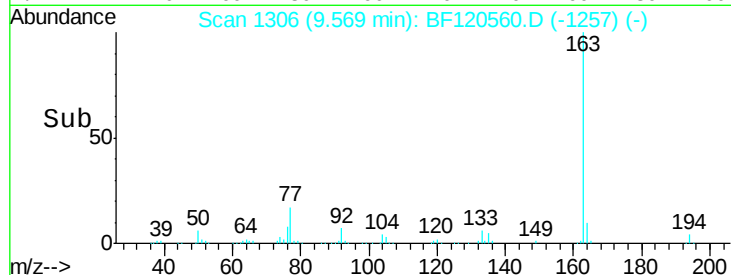
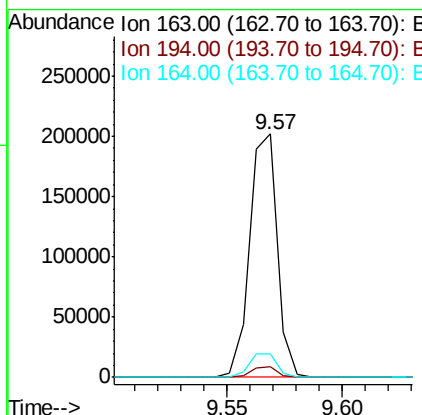
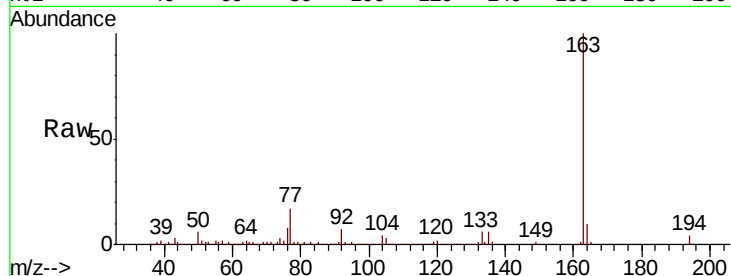




#50  
Dimethylphthalate  
Concen: 8.884 ng  
RT: 9.57 min Scan# 1306  
Delta R.T. -0.01 min  
Lab File: BF120560.D  
Acq: 5 Jun 2020 15:30

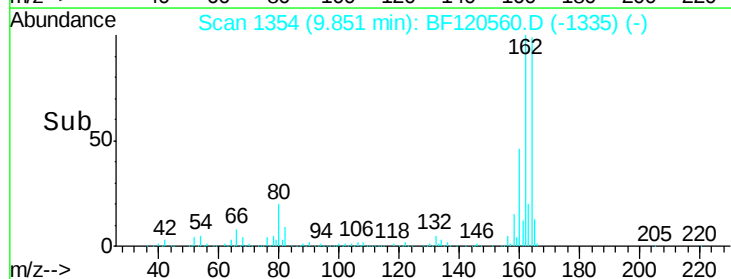
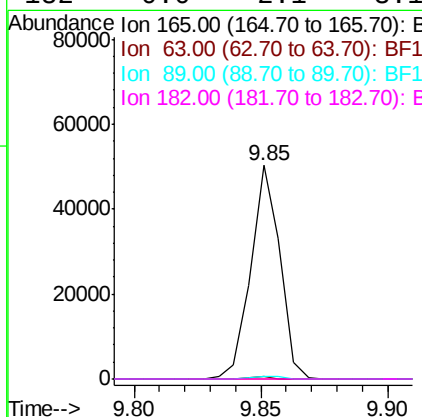
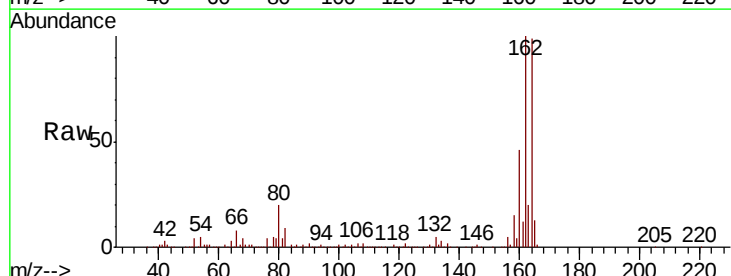
Instrument :  
BNA\_F  
ClientSampled :  
SLAB-2

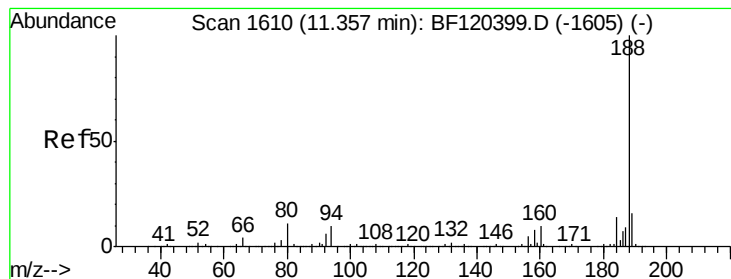
Tot Ion:163 Resp: 169914  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.3 4.9  
164 9.8 7.8 11.8



#57  
2,4-Dinitrotoluene  
Concen: 7.389 ng  
RT: 9.85 min Scan# 1354  
Delta R.T. -0.19 min  
Lab File: BF120560.D  
Acq: 5 Jun 2020 15:30

Tgt Ion:165 Resp: 40194  
Ion Ratio Lower Upper  
165 100  
63 1.1 34.6 52.0#  
89 1.3 57.0 85.4#  
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1607

Delta R.T. -0.00 min

Lab File: BF120560.D

Acq: 5 Jun 2020 15:30

Instrument :

BNA\_F

ClientSampleId :

SLAB-2

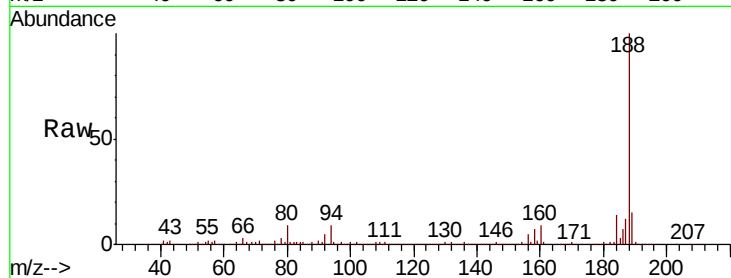
Tot Ion:188 Resp: 523136

Ion Ratio Lower Upper

188 100

94 8.7 7.0 10.6

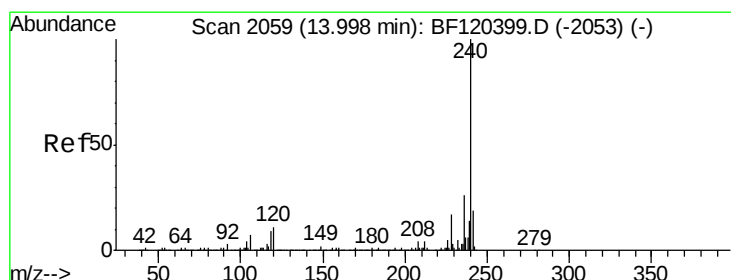
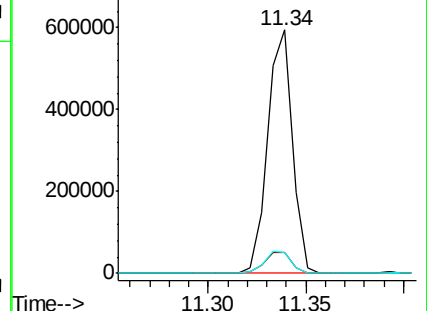
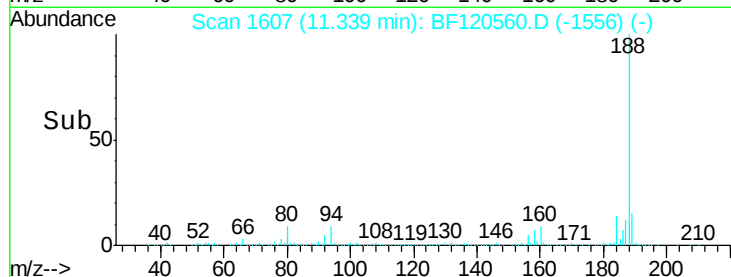
80 8.7 7.4 11.0



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: BF120560.D

Acq: 5 Jun 2020 15:30

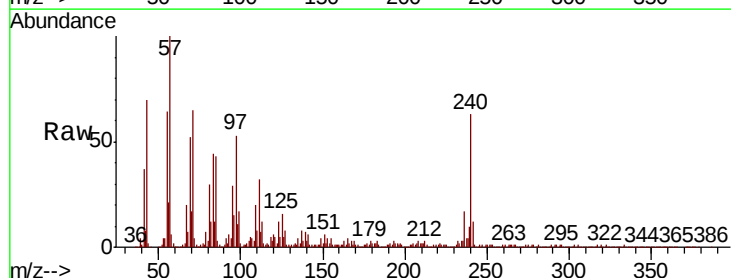
Tgt Ion:240 Resp: 239777

Ion Ratio Lower Upper

240 100

120 10.1 9.1 13.7

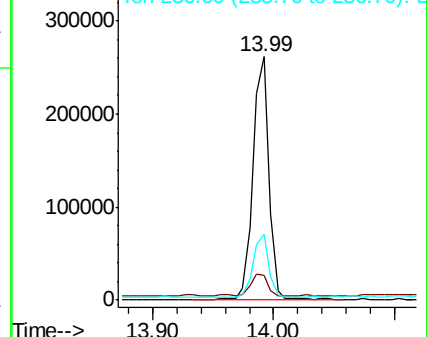
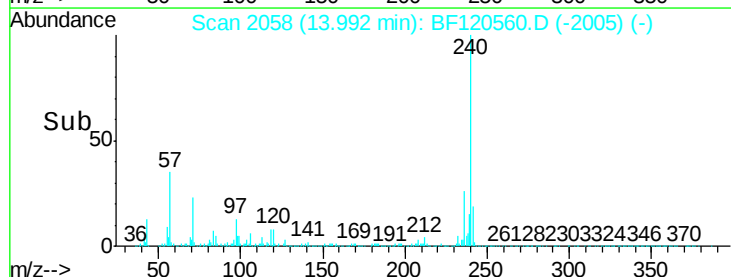
236 26.9 21.3 31.9

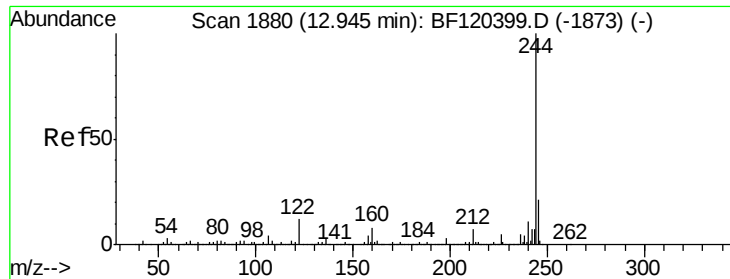


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 75.542 ng

RT: 12.93 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BF120560.D

Acq: 5 Jun 2020 15:30

Instrument :

BNA\_F

ClientSampleId :

SLAB-2

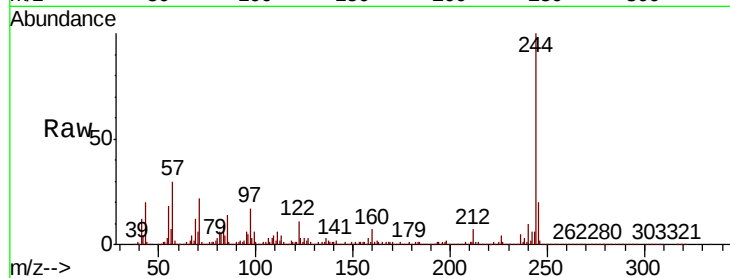
Tot Ion:244 Resp: 813994

Ion Ratio Lower Upper

244 100

212 6.6 5.3 7.9

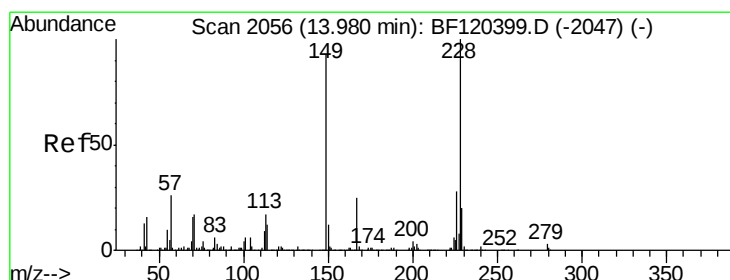
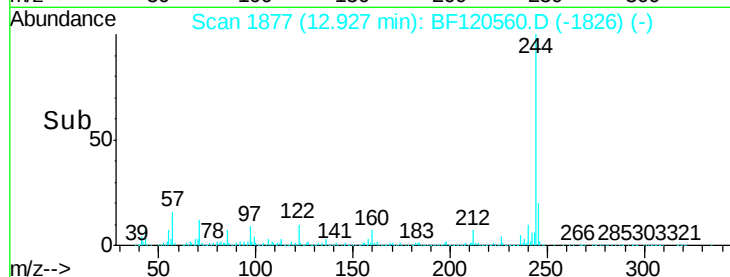
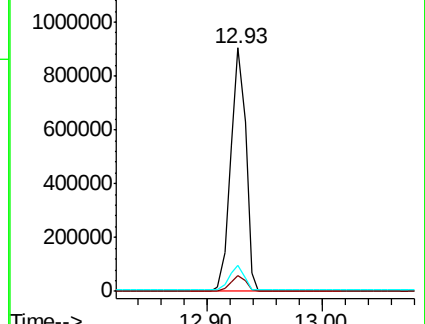
122 10.7 8.4 12.6



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: 13.043 ng

RT: 13.97 min Scan# 2055

Delta R.T. 0.02 min

Lab File: BF120560.D

Acq: 5 Jun 2020 15:30

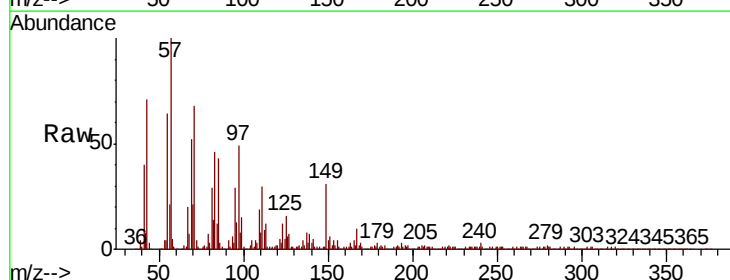
Tgt Ion:149 Resp: 106588

Ion Ratio Lower Upper

149 100

167 33.8 21.8 32.6#

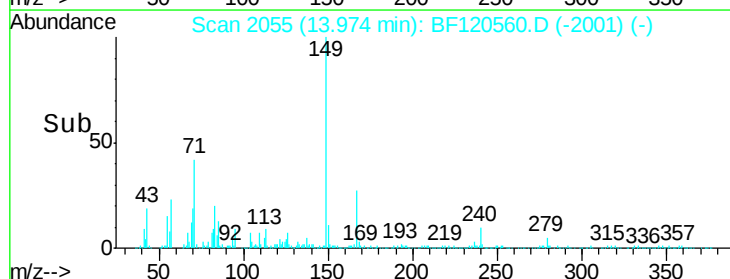
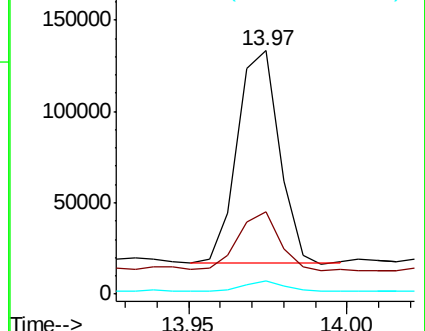
279 5.4 2.7 4.1#

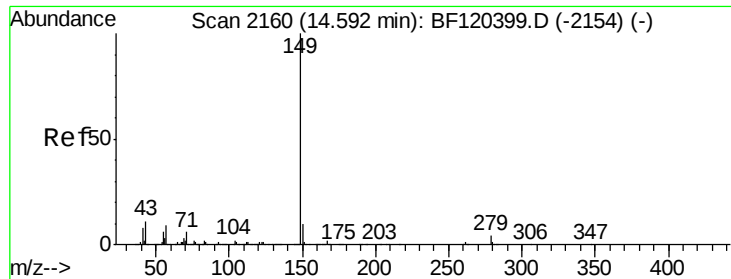


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 33.113 ng

RT: 14.72 min Scan# 2181

Delta R.T. 0.15 min

Lab File: BF120560.D

Acq: 5 Jun 2020 15:30

Instrument :

BNA\_F

ClientSampleId :

SLAB-2

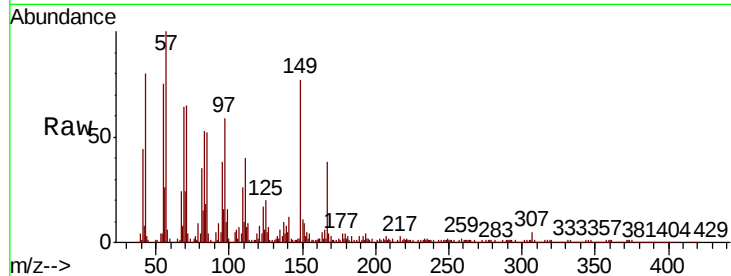
Tot Ion:149 Resp: 468217

Ion Ratio Lower Upper

149 100

167 50.6 1.2 1.8#

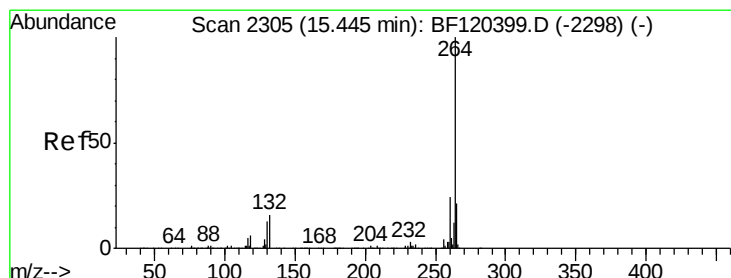
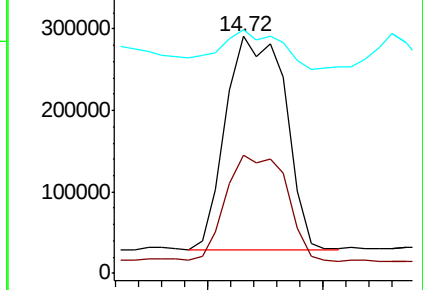
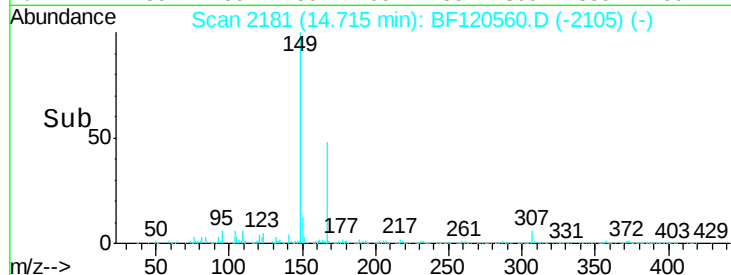
43 17.1 7.5 11.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2308

Delta R.T. 0.04 min

Lab File: BF120560.D

Acq: 5 Jun 2020 15:30

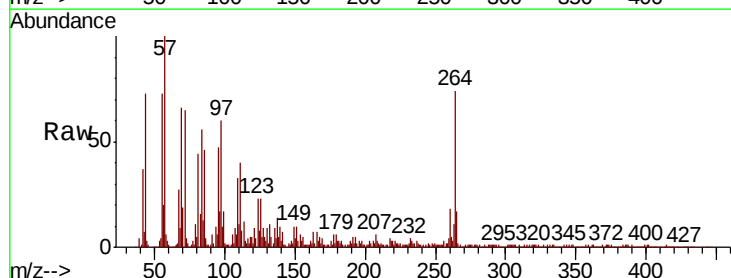
Tgt Ion:264 Resp: 265401

Ion Ratio Lower Upper

264 100

260 24.8 19.6 29.4

265 22.6 17.2 25.8



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

