

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\  
 Data File : BF110520.D  
 Acq On : 6 Nov 2018 17:35  
 Operator : JU/SJ  
 Sample : J5822-07  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 07 08:43:58 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 01 16:06:12 2018  
 Response via : Initial Calibration

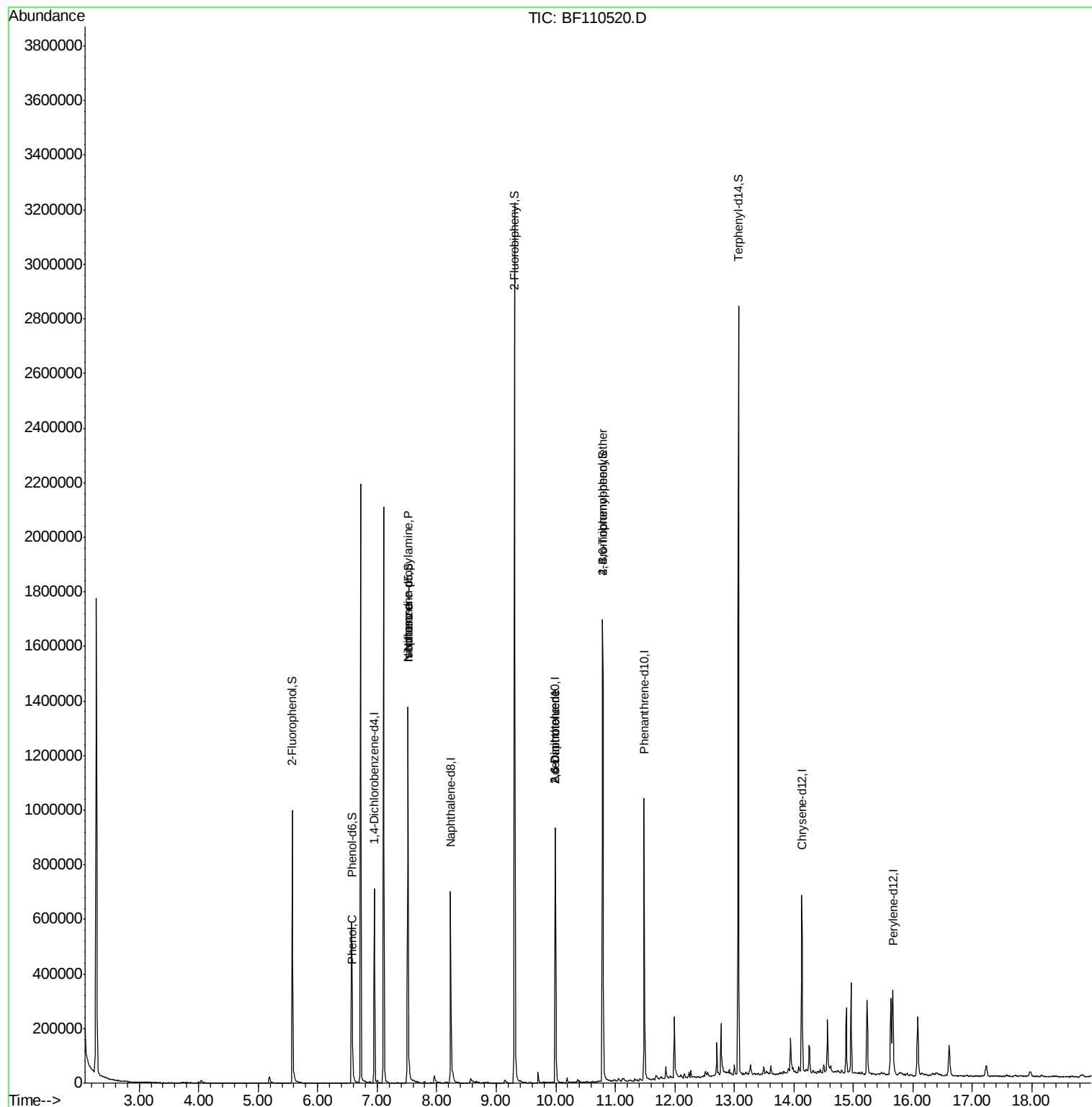
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.95  | 152  | 98343    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.23  | 136  | 413293   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.99  | 164  | 205492   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.49 | 188  | 401229   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.13 | 240  | 228447   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.66 | 264  | 180547   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.57  | 112  | 288136   | 47.71  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.57  | 99   | 226149   | 29.28  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.52  | 82   | 532711   | 76.45  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.79 | 330  | 212396   | 104.34 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.31  | 172  | 1023963  | 78.25  | ng    | 0.00     |
| 79) Terphenyl-d14              | 13.07 | 244  | 1013119  | 92.23  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.59  | 94   | 21685    | 2.63   | ng    | # 69     |
| 19) n-Nitroso-di-n-propylamine | 7.52  | 70   | 70249    | 14.18  | ng    | # 80     |
| 25) Isophorone                 | 7.52  | 82   | 532708   | 44.85  | ng    | # 67     |
| 51) 2,6-Dinitrotoluene         | 9.99  | 165  | 26448    | 8.09   | ng    | # 23     |
| 57) 2,4-Dinitrotoluene         | 9.99  | 165  | 26448    | 6.37   | ng    | # 19     |
| 67) 4-Bromophenyl-phenylether  | 10.79 | 248  | 13368    | 3.07   | ng    | # 1      |

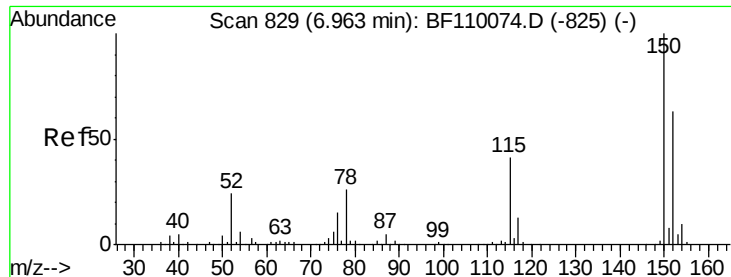
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
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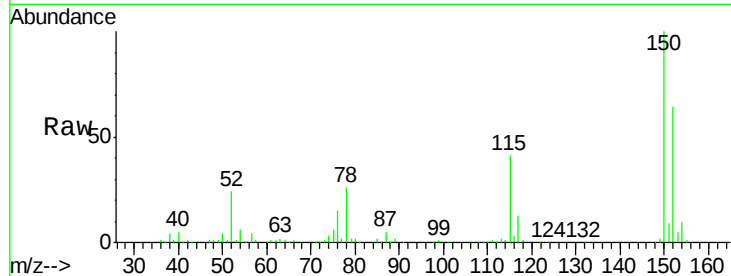


#1

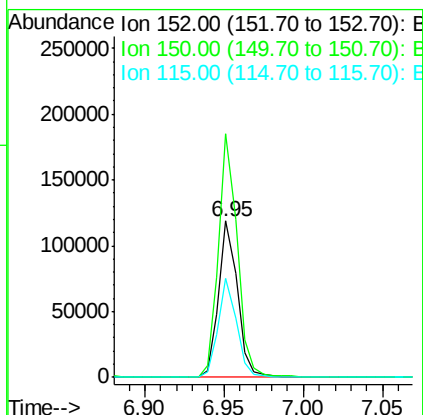
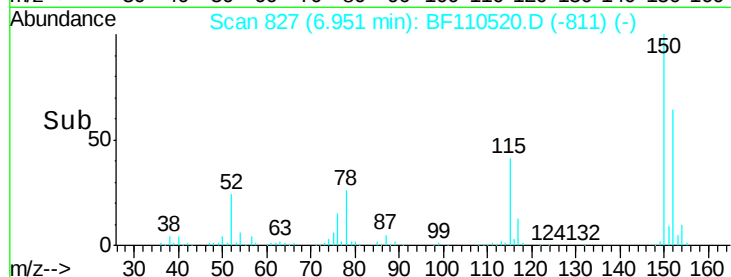
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.95 min Scan# 827  
Delta R.T. -0.01 min  
Lab File: BF110520.D  
Acq: 6 Nov 2018 17:35

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 98343  
Ion Ratio Lower Upper  
152 100  
150 156.1 122.7 184.1  
115 63.6 49.1 73.7



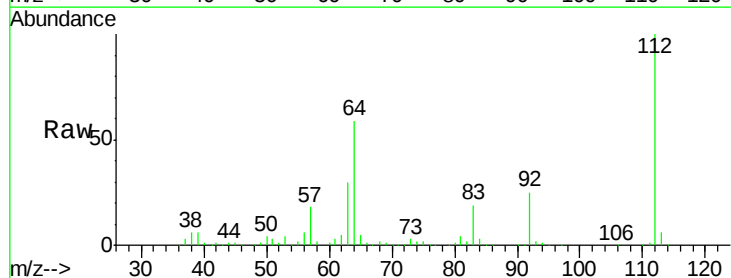
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



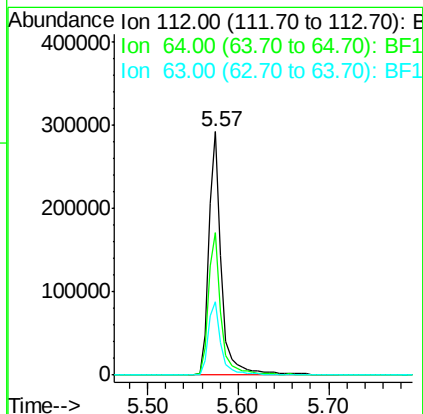
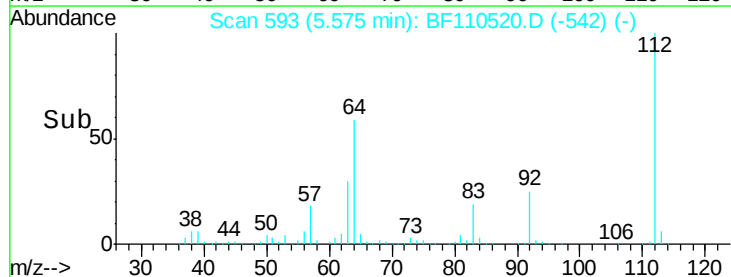
#5

2-Fluorophenol  
Concen: 47.71 ng  
RT: 5.57 min Scan# 593  
Delta R.T. 0.00 min  
Lab File: BF110520.D  
Acq: 6 Nov 2018 17:35

Tgt Ion:112 Resp: 288136  
Ion Ratio Lower Upper  
112 100  
64 58.6 44.1 66.1  
63 30.3 23.7 35.5



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: 29.28 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110520.D

Acq: 6 Nov 2018 17:35

Instrument :

BNA\_F

ClientSampled :

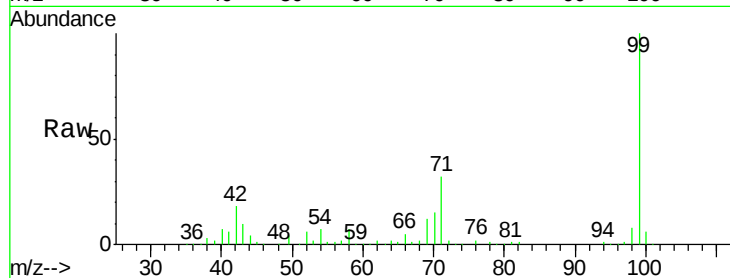
Tot Ion: 99 Resp: 226149

Ion Ratio Lower Upper

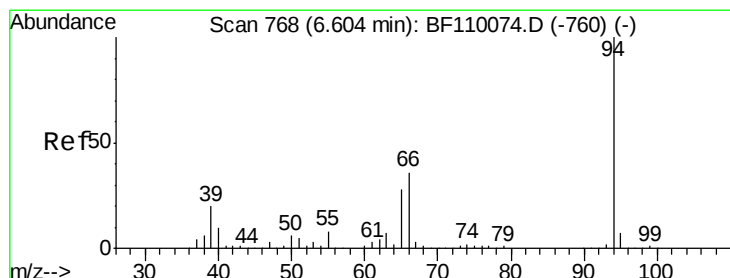
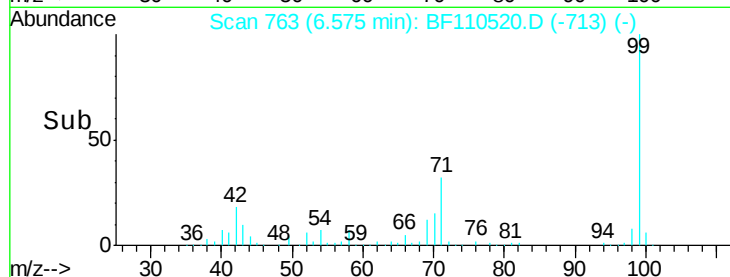
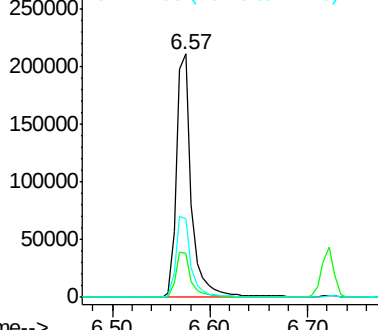
99 100

42 18.1 15.8 23.6

71 32.0 28.0 42.0



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



#10

Phenol

Concen: 2.63 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF110520.D

Acq: 6 Nov 2018 17:35

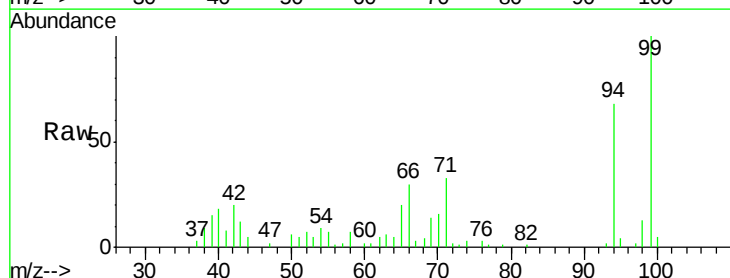
Tgt Ion: 94 Resp: 21685

Ion Ratio Lower Upper

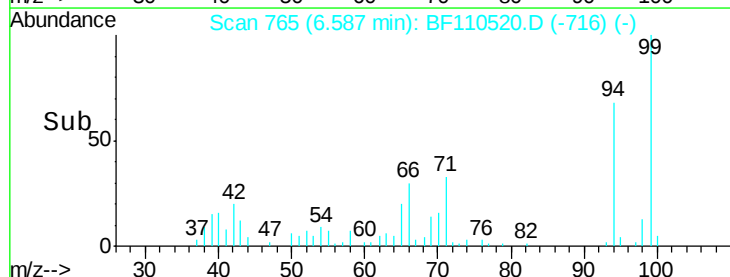
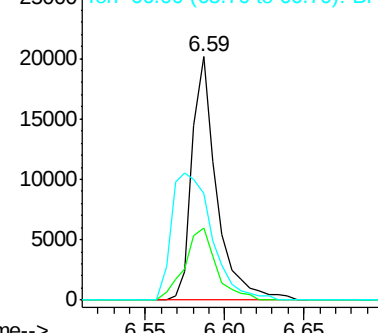
94 100

65 29.6 25.3 65.3

66 44.0 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

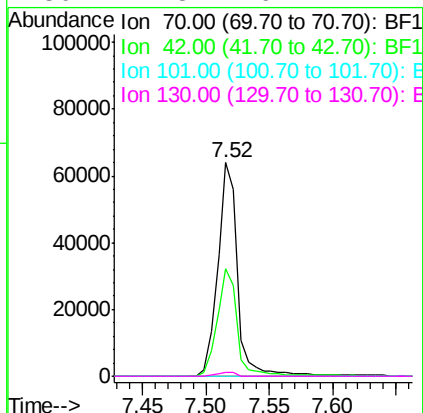
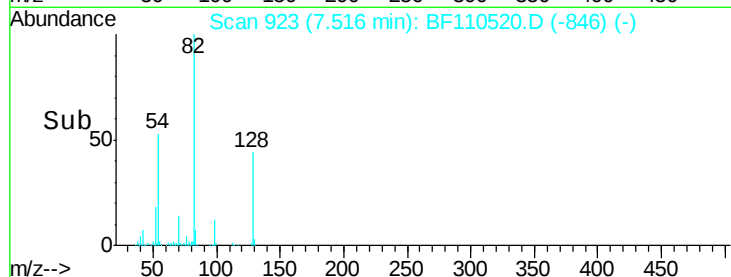
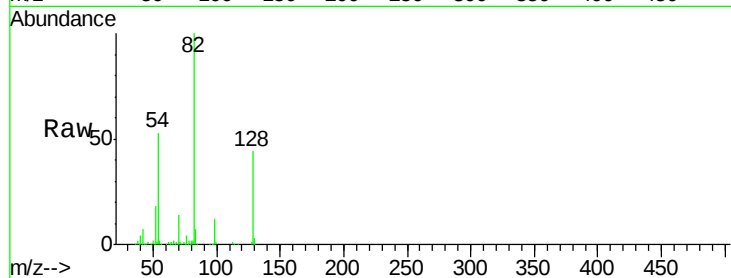




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.18 ng  
RT: 7.52 min Scan# 923  
Delta R.T. 0.15 min  
Lab File: BF110520.D  
Acq: 6 Nov 2018 17:35

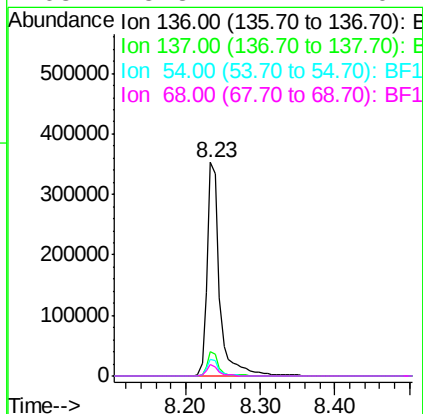
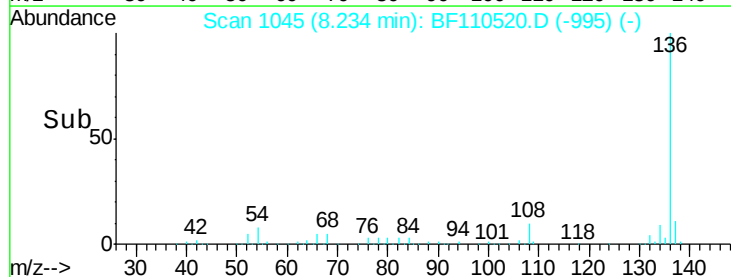
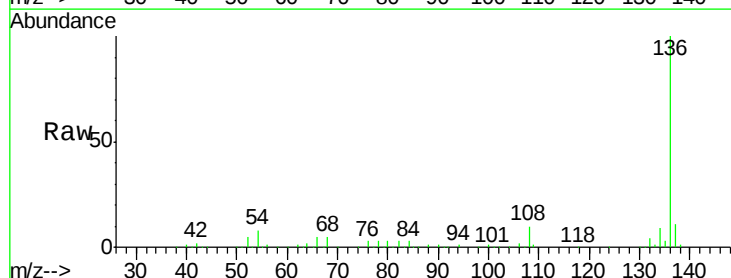
Instrument :  
BNA\_F  
ClientSampled :

Tot Ion: 70 Resp: 70249  
Ion Ratio Lower Upper  
70 100  
42 50.1 47.4 71.2  
101 0.0 7.3 10.9#  
130 1.8 16.2 24.2#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.23 min Scan# 1045  
Delta R.T. -0.01 min  
Lab File: BF110520.D  
Acq: 6 Nov 2018 17:35

Tgt Ion: 136 Resp: 413293  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.8 13.2  
54 8.1 5.4 8.2  
68 5.3 4.2 6.2

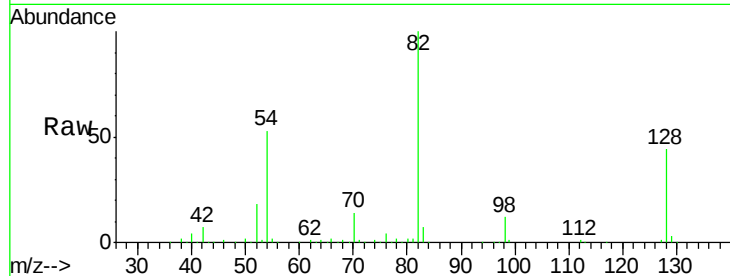




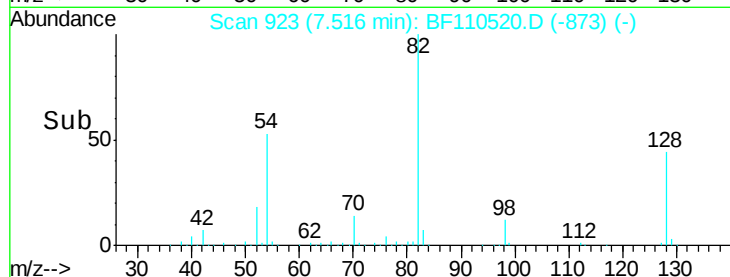
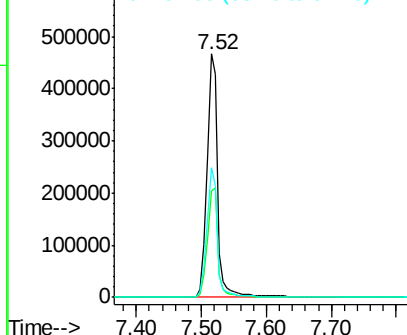
#23  
Nitrobenzene-d5  
Concen: 76.45 ng  
RT: 7.52 min Scan# 923  
Delta R.T. -0.01 min  
Lab File: BF110520.D  
Acq: 6 Nov 2018 17:35

Instrument :  
BNA\_F  
ClientSampleID :

Tot Ion: 82 Resp: 532711  
Ion Ratio Lower Upper  
82 100  
128 43.6 34.2 51.2  
54 53.4 38.6 58.0

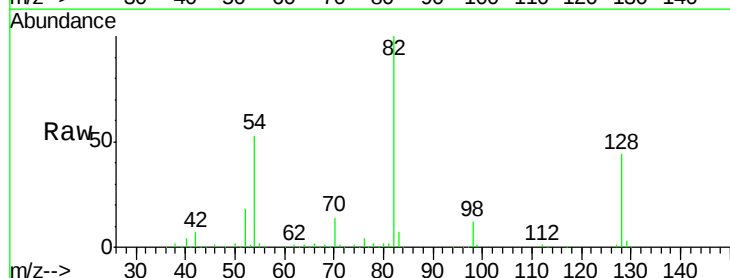


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

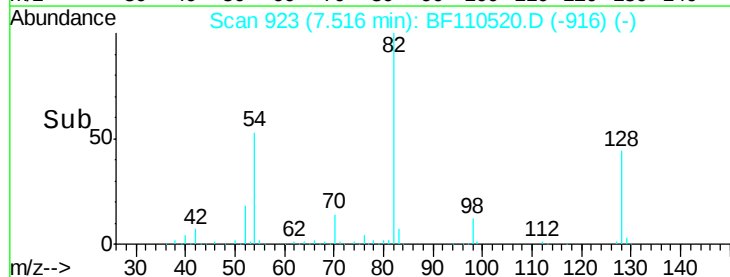
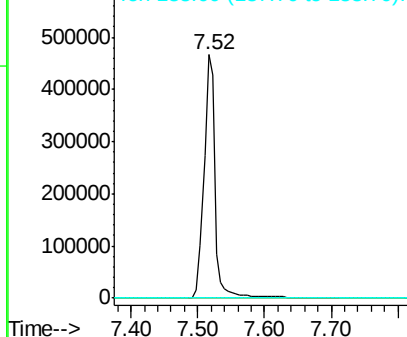


#25  
Isophorone  
Concen: 44.85 ng  
RT: 7.52 min Scan# 923  
Delta R.T. -0.26 min  
Lab File: BF110520.D  
Acq: 6 Nov 2018 17:35

Tgt Ion: 82 Resp: 532708  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
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

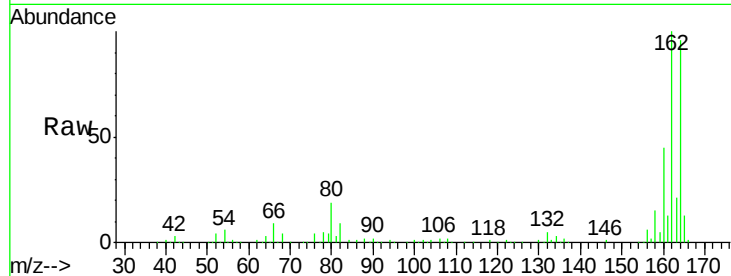




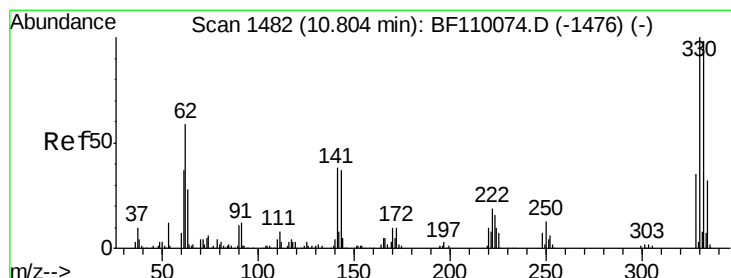
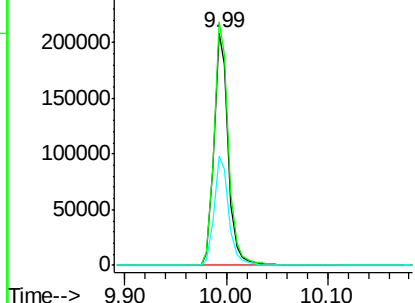
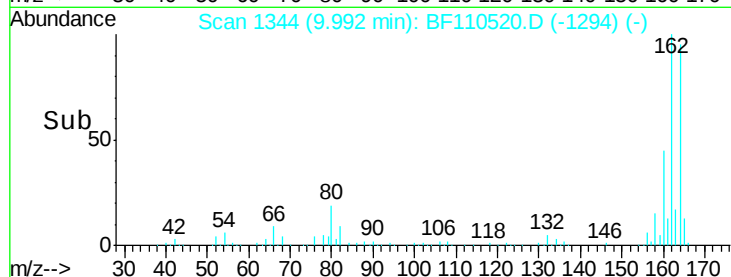
#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.99 min Scan# 1344  
Delta R.T. -0.01 min  
Lab File: BF110520.D  
Acq: 6 Nov 2018 17:35

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:164 Resp: 205492  
Ion Ratio Lower Upper  
164 100  
162 104.7 83.0 124.6  
160 46.8 37.0 55.6

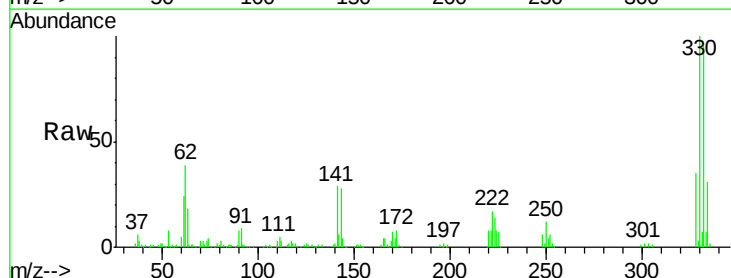


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

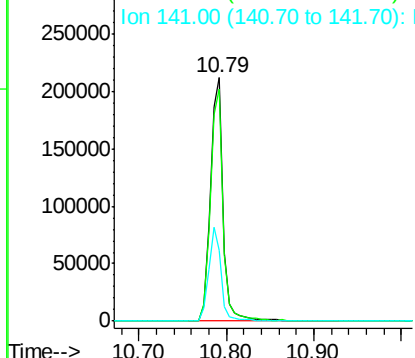
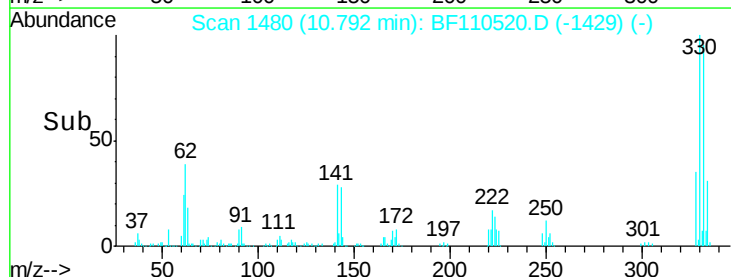


#42  
2,4,6-Tribromophenol  
Concen: 104.34 ng  
RT: 10.79 min Scan# 1480  
Delta R.T. 0.00 min  
Lab File: BF110520.D  
Acq: 6 Nov 2018 17:35

Tgt Ion:330 Resp: 212396  
Ion Ratio Lower Upper  
330 100  
332 95.2 77.1 115.7  
141 37.9 27.0 40.4



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



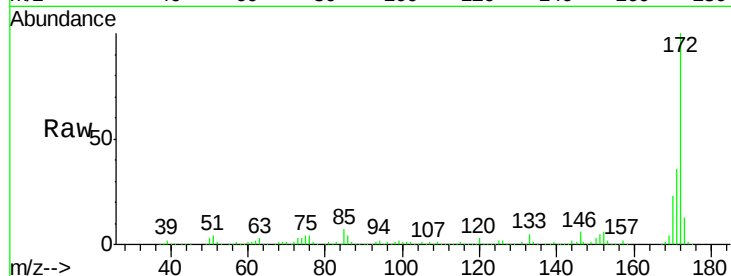


#45  
 2-Fluorobiphenyl  
 Concen: 78.25 ng  
 RT: 9.31 min Scan# 1228  
 Delta R.T. -0.01 min  
 Lab File: BF110520.D  
 Acq: 6 Nov 2018 17:35

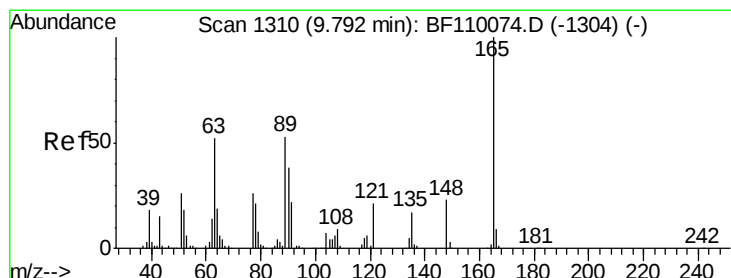
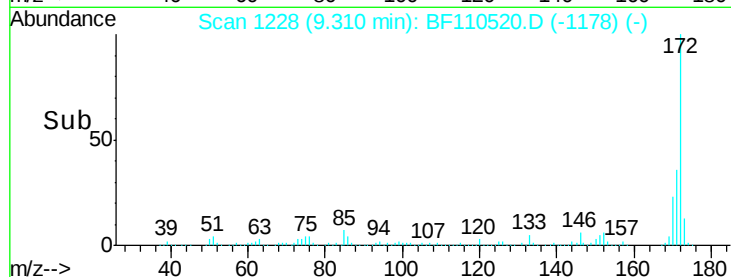
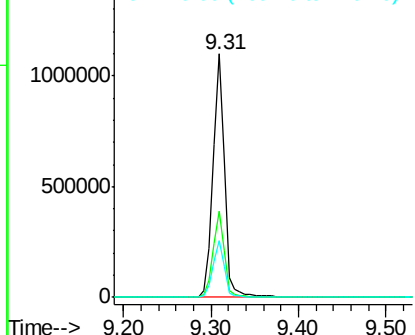
Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:172 Resp: 1023963  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.6  | 28.6  | 43.0  |
| 170 | 23.4  | 19.7  | 29.5  |



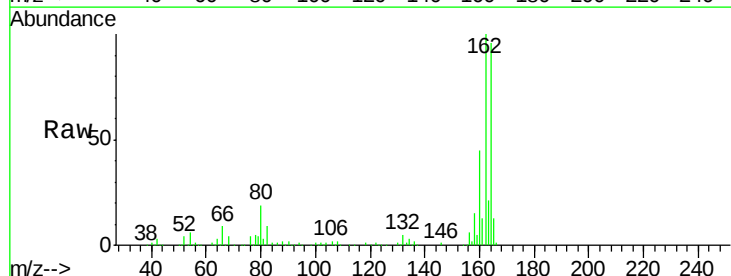
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



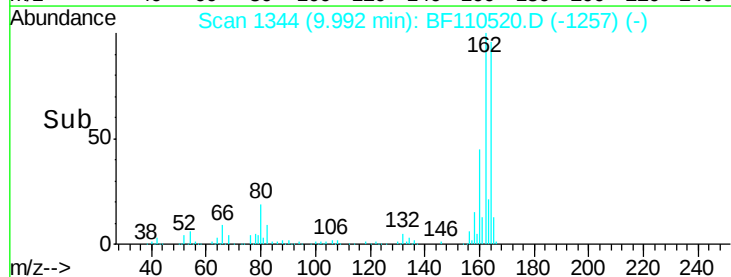
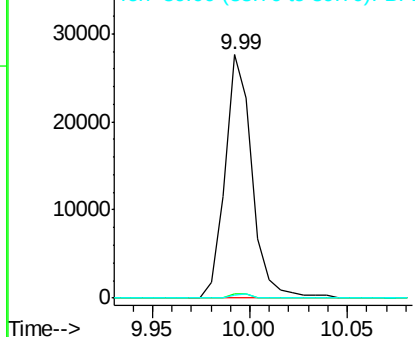
#51  
 2,6-Dinitrotoluene  
 Concen: 8.09 ng  
 RT: 9.99 min Scan# 1344  
 Delta R.T. 0.21 min  
 Lab File: BF110520.D  
 Acq: 6 Nov 2018 17:35

Tgt Ion:165 Resp: 26448  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 1.6   | 48.9  | 73.3# |
| 89  | 1.3   | 46.6  | 69.8# |



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

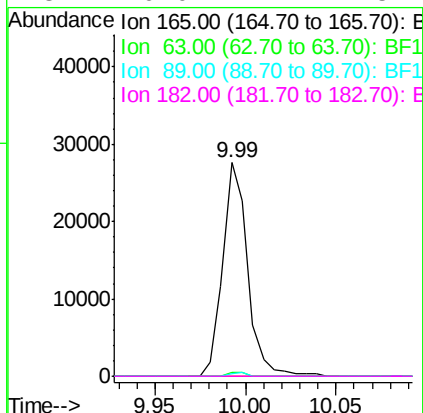
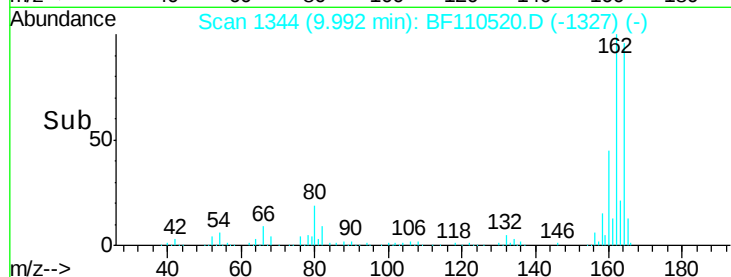
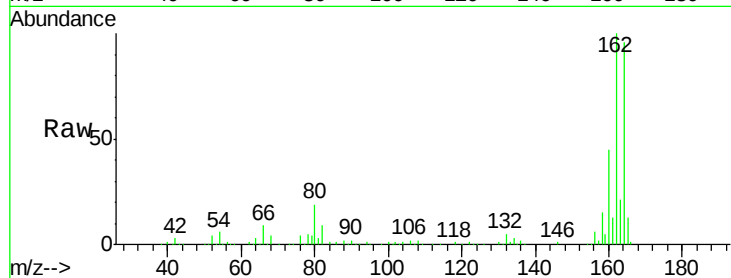




#57  
2,4-Dinitrotoluene  
Concen: 6.37 ng  
RT: 9.99 min Scan# 1344  
Delta R.T. -0.20 min  
Lab File: BF110520.D  
Acq: 6 Nov 2018 17:35

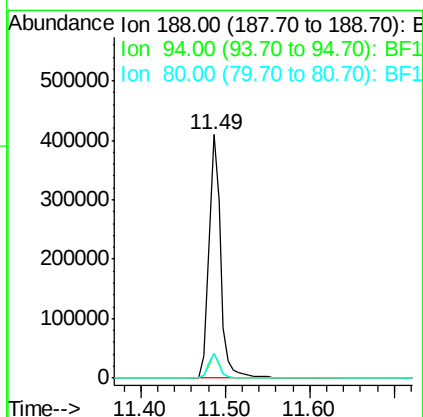
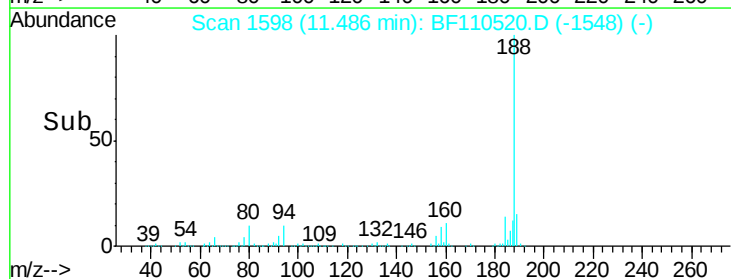
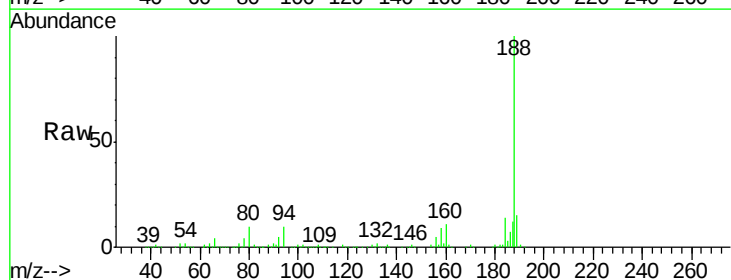
Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.6   | 44.8  | 67.2# |
| 89      | 1.3   | 62.2  | 93.4# |
| 182     | 0.0   | 2.1   | 3.1#  |



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.49 min Scan# 1598  
Delta R.T. -0.01 min  
Lab File: BF110520.D  
Acq: 6 Nov 2018 17:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.0  | 7.2   | 10.8  |
| 80      | 10.0  | 7.9   | 11.9  |

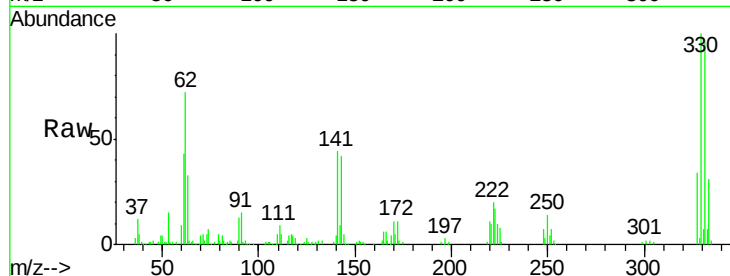




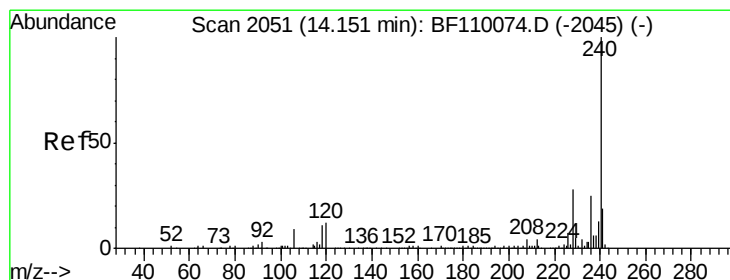
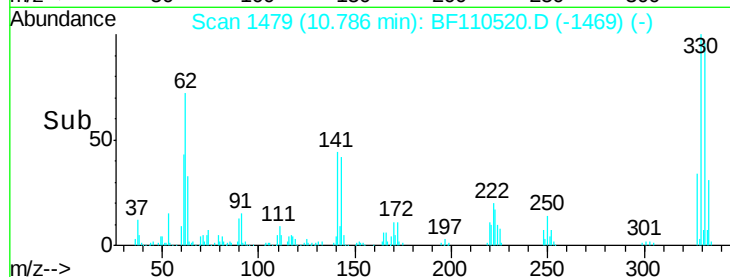
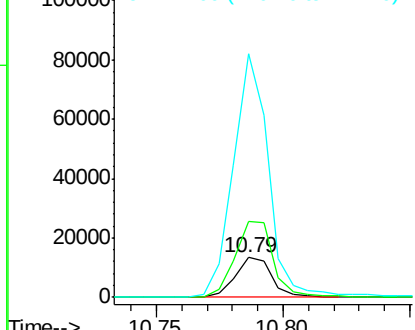
#67  
4-Bromophenyl-phenylether  
Concen: 3.07 ng  
RT: 10.79 min Scan# 1479  
Delta R.T. -0.24 min  
Lab File: BF110520.D  
Acq: 6 Nov 2018 17:35

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:248 Resp: 13368  
Ion Ratio Lower Upper  
248 100  
250 192.0 79.4 119.2#  
141 615.9 55.9 83.9#

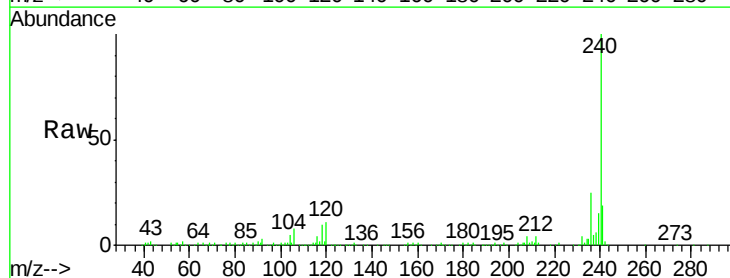


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

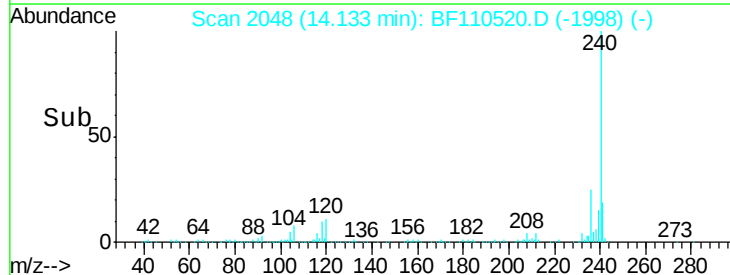
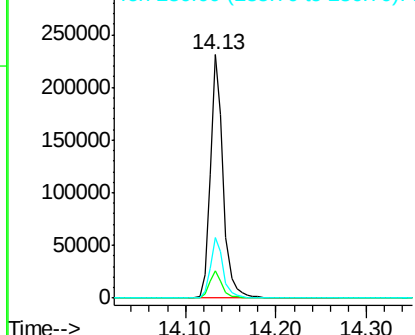


#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.13 min Scan# 2048  
Delta R.T. -0.01 min  
Lab File: BF110520.D  
Acq: 6 Nov 2018 17:35

Tgt Ion:240 Resp: 228447  
Ion Ratio Lower Upper  
240 100  
120 11.0 8.3 12.5  
236 25.1 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: 92.23 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110520.D

Acq: 6 Nov 2018 17:35

Instrument :

BNA\_F

ClientSampled :

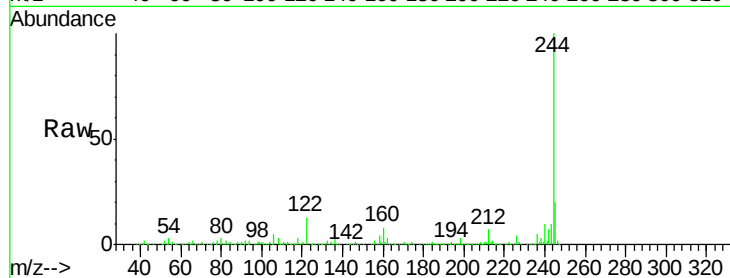
Tot Ion:244 Resp: 1013119

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

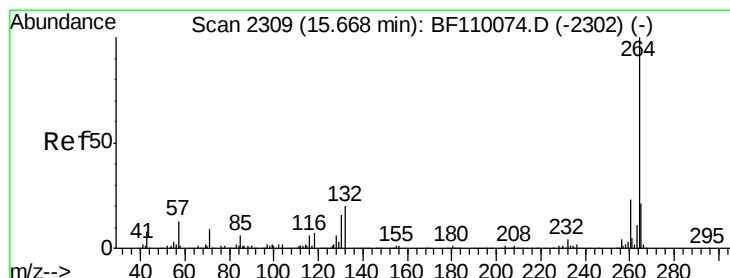
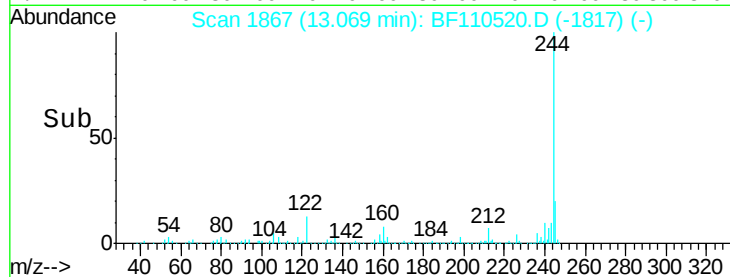
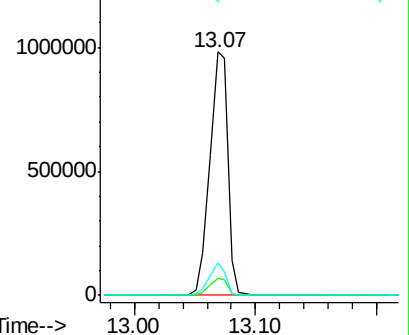
122 13.1 8.7 13.1#



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: 20.00 ng

RT: 15.66 min Scan# 2308

Delta R.T. 0.01 min

Lab File: BF110520.D

Acq: 6 Nov 2018 17:35

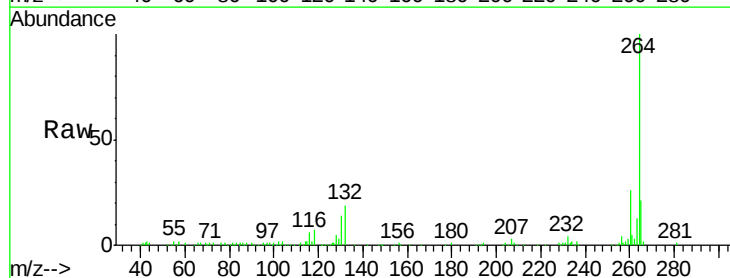
Tgt Ion:264 Resp: 180547

Ion Ratio Lower Upper

264 100

260 25.6 18.7 28.1

265 21.3 16.7 25.1



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

