

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\  
 Data File : BF110375.D  
 Acq On : 1 Nov 2018 18:45  
 Operator : JU/SJ  
 Sample : J5747-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 02 04:11:08 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

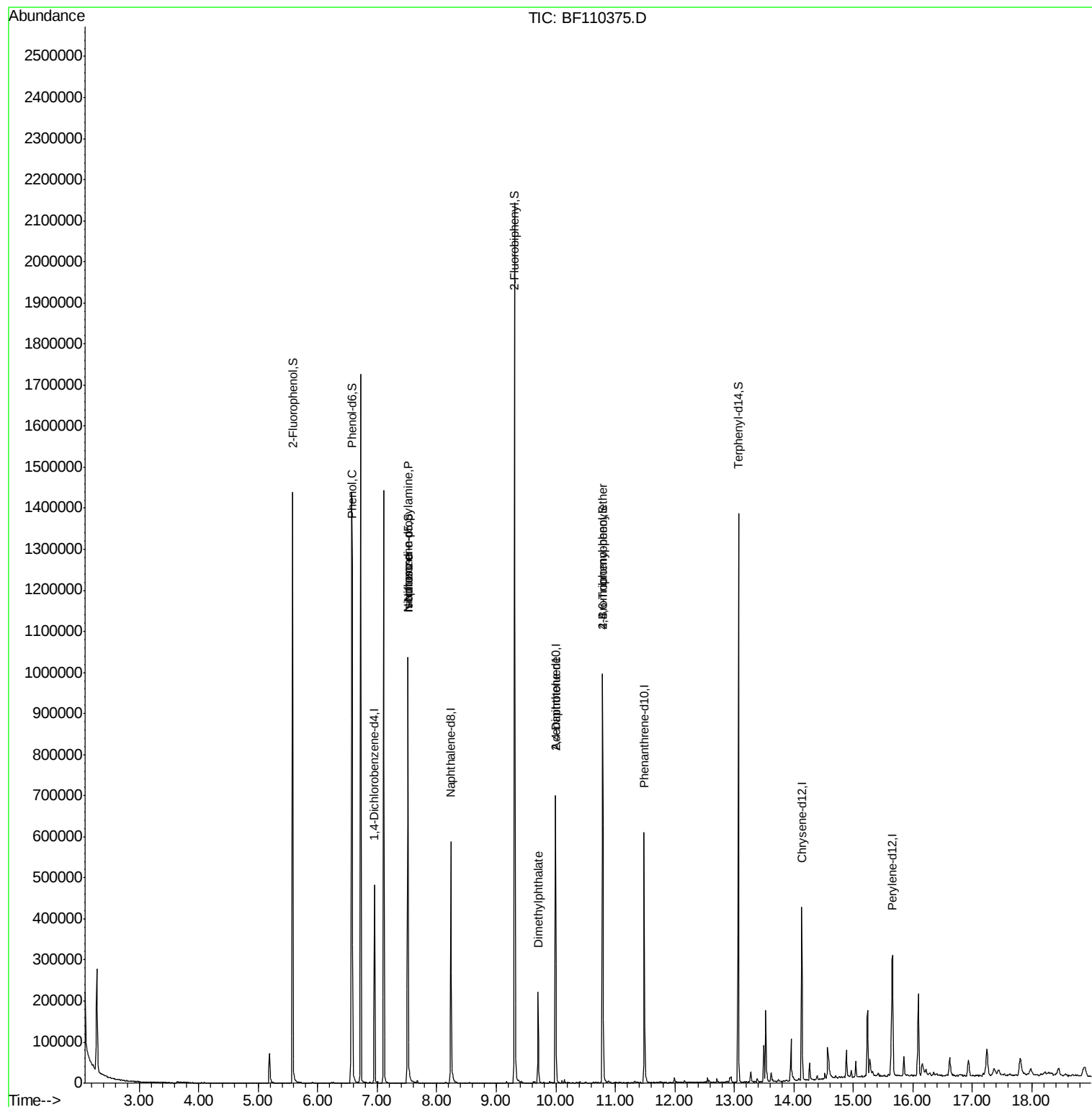
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.96  | 152  | 77201    | 20.00     | ng     | 0.00     |
| 21) Naphthalene-d8             | 8.24  | 136  | 314316   | 20.00     | ng     | 0.00     |
| 39) Acenaphthene-d10           | 10.00 | 164  | 144476   | 20.00     | ng     | 0.00     |
| 64) Phenanthrene-d10           | 11.49 | 188  | 237073   | 20.00     | ng     | 0.00     |
| 76) Chrysene-d12               | 14.13 | 240  | 141660   | 20.00     | ng     | 0.00     |
| 87) Perylene-d12               | 15.66 | 264  | 151257   | 20.00     | ng     | 0.00     |
| System Monitoring Compounds    |       |      |          |           |        |          |
| 5) 2-Fluorophenol              | 5.58  | 112  | 411305   | 86.76     | ng     | 0.00     |
| 7) Phenol-d6                   | 6.57  | 99   | 530666   | 87.51     | ng     | 0.00     |
| 23) Nitrobenzene-d5            | 7.52  | 82   | 328391   | 61.97     | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.79 | 330  | 114589   | 80.07     | ng     | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.31  | 172  | 649070   | 70.55     | ng     | 0.00     |
| 79) Terphenyl-d14              | 13.07 | 244  | 437499   | 64.23     | ng     | 0.00     |
| Target Compounds               |       |      |          |           |        |          |
| 9) Benzaldehyde                | 6.58  | 77   | 1073     | Below Cal | Qvalue | # 1      |
| 10) Phenol                     | 6.59  | 94   | 36034    | 5.559 ng  | #      | 70       |
| 19) n-Nitroso-di-n-propylamine | 7.52  | 70   | 43689    | 11.231 ng | #      | 78       |
| 25) Isophorone                 | 7.52  | 82   | 328385   | 36.353 ng | #      | 67       |
| 50) Dimethylphthalate          | 9.70  | 163  | 101899   | 9.555 ng  |        | 100      |
| 57) 2,4-Dinitrotoluene         | 10.00 | 165  | 17319    | 5.935 ng  | #      | 17       |
| 67) 4-Bromophenyl-phenylether  | 10.79 | 248  | 7362     | 2.863 ng  | #      | 1        |

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

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Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Nov 02 04:11:08 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



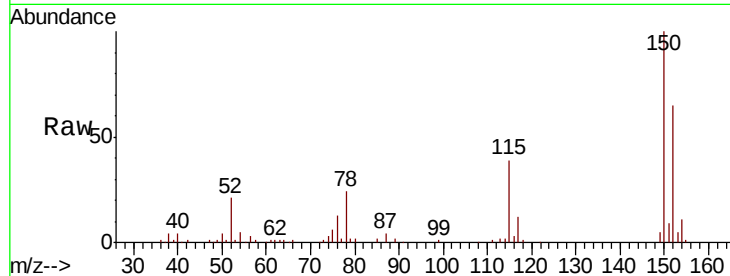


#1

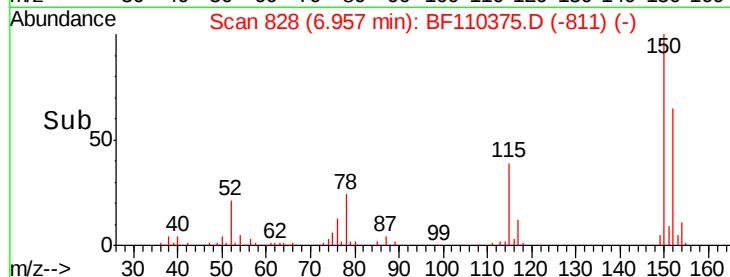
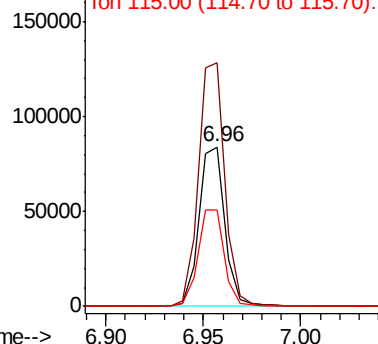
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 828  
Delta R.T. 0.00 min  
Lab File: BF110375.D  
Acq: 1 Nov 2018 18:45

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 77201  
Ion Ratio Lower Upper  
152 100  
150 152.8 122.7 184.1  
115 60.2 49.1 73.7



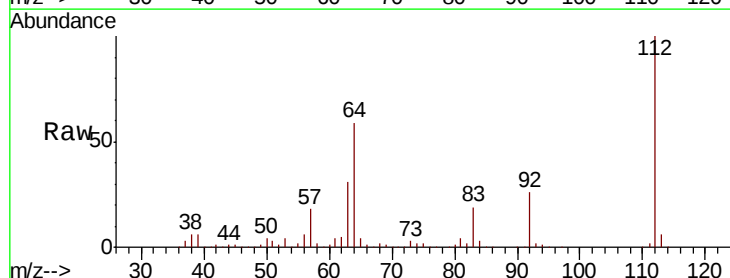
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



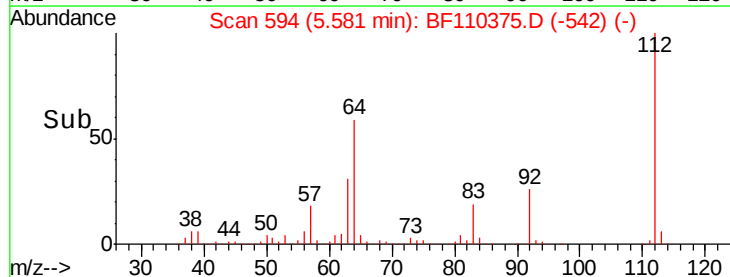
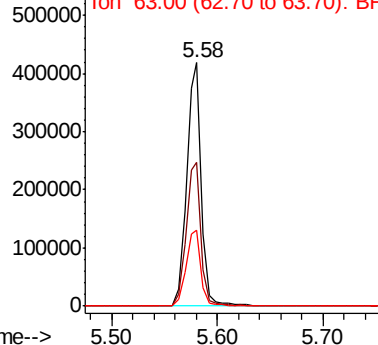
#5

2-Fluorophenol  
Concen: 86.759 ng  
RT: 5.58 min Scan# 594  
Delta R.T. 0.01 min  
Lab File: BF110375.D  
Acq: 1 Nov 2018 18:45

Tgt Ion:112 Resp: 411305  
Ion Ratio Lower Upper  
112 100  
64 59.1 44.1 66.1  
63 31.2 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: 87.514 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110375.D

Acq: 1 Nov 2018 18:45

Instrument :

BNA\_F

ClientSampleId :

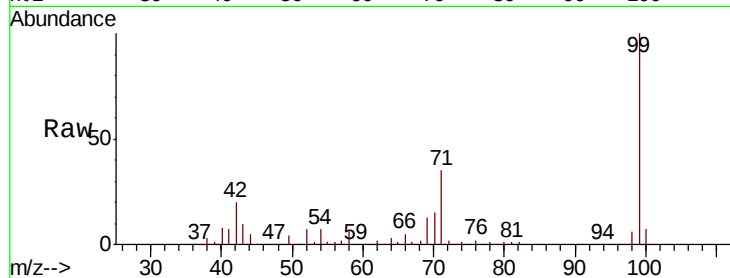
Tot Ion: 99 Resp: 530666

Ion Ratio Lower Upper

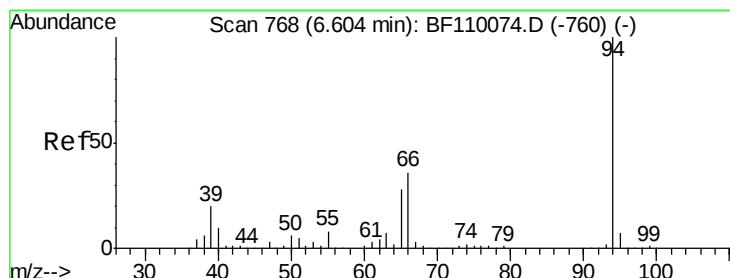
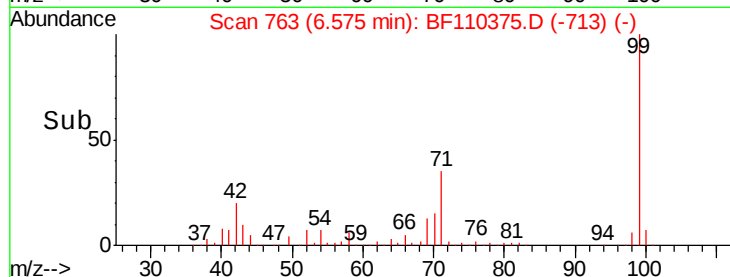
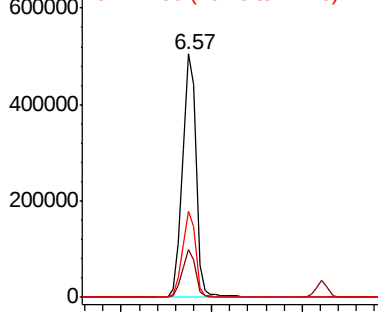
99 100

42 19.8 15.8 23.6

71 35.3 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: 5.559 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF110375.D

Acq: 1 Nov 2018 18:45

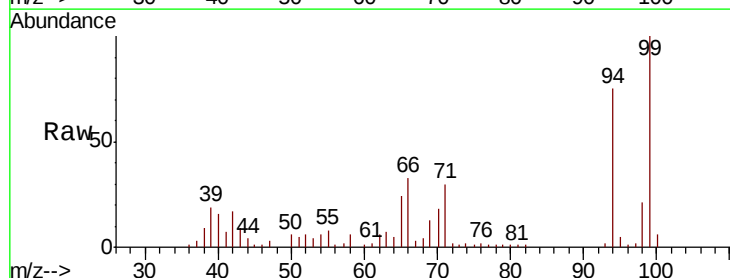
Tgt Ion: 94 Resp: 36034

Ion Ratio Lower Upper

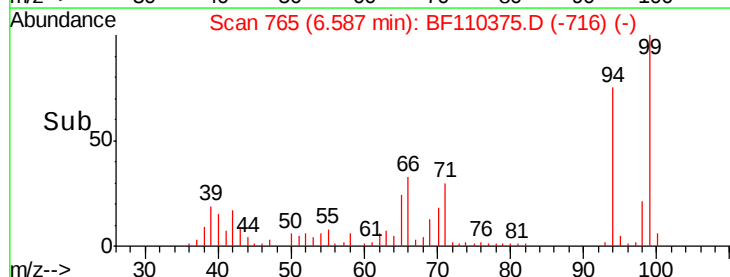
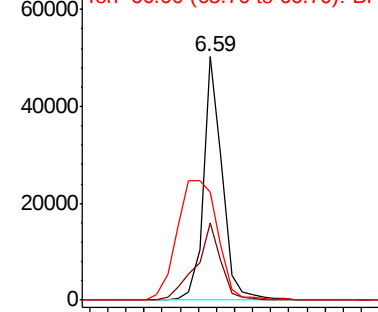
94 100

65 31.5 25.3 65.3

66 44.3 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

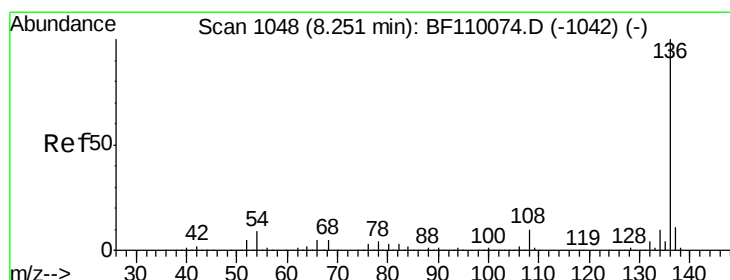
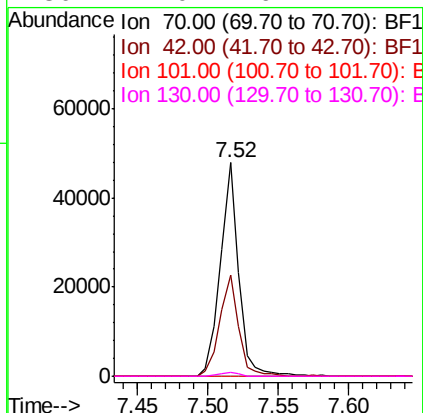
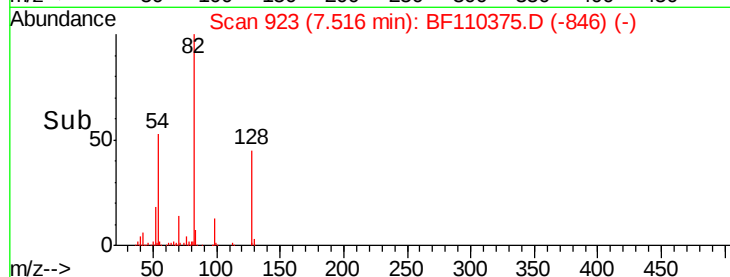
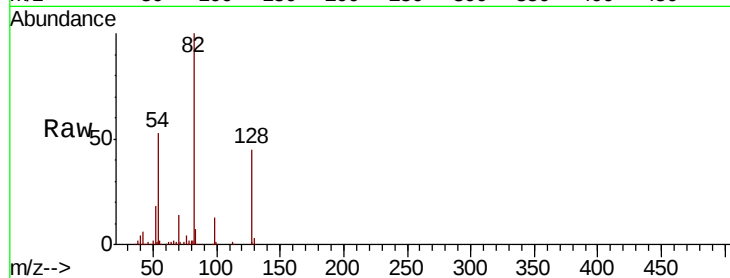




#19  
n-Nitroso-di-n-propylamine  
Concen: 11.231 ng  
RT: 7.52 min Scan# 923  
Delta R.T. 0.15 min  
Lab File: BF110375.D  
Acq: 1 Nov 2018 18:45

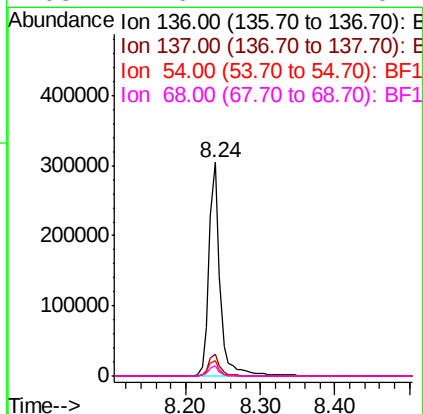
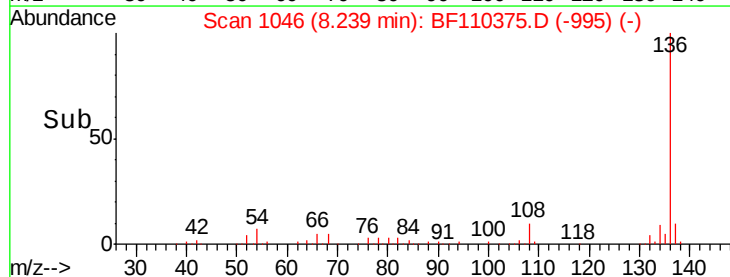
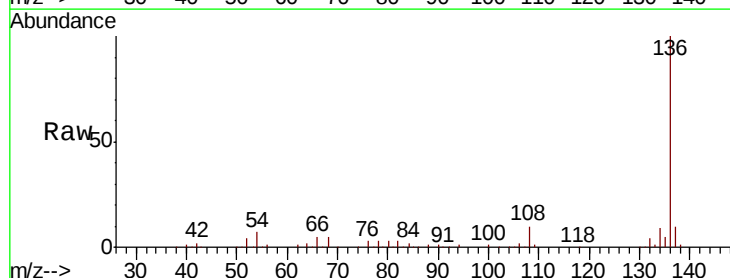
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 70 Resp: 43689  
Ion Ratio Lower Upper  
70 100  
42 47.5 47.4 71.2  
101 0.0 7.3 10.9#  
130 2.0 16.2 24.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.24 min Scan# 1046  
Delta R.T. 0.00 min  
Lab File: BF110375.D  
Acq: 1 Nov 2018 18:45

Tgt Ion: 136 Resp: 314316  
Ion Ratio Lower Upper  
136 100  
137 10.4 8.8 13.2  
54 7.3 5.4 8.2  
68 4.6 4.2 6.2

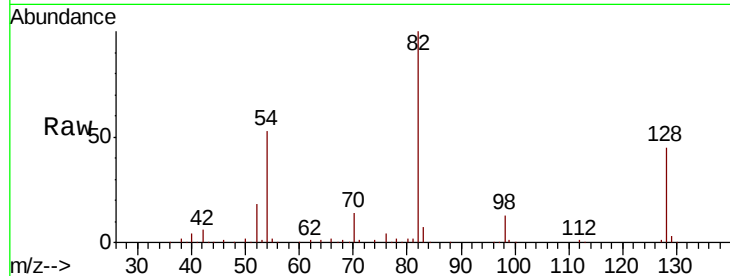




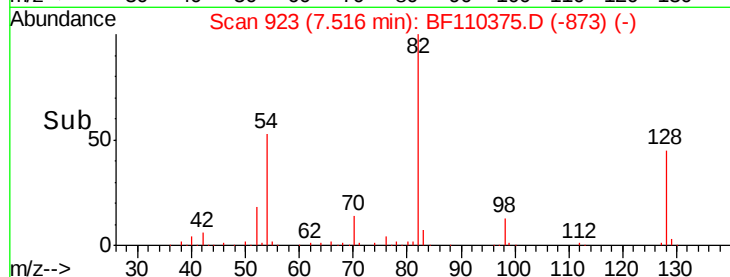
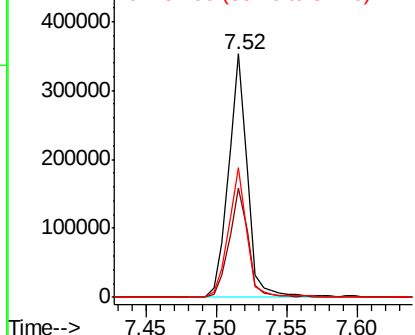
#23  
 Nitrobenzene-d5  
 Concen: 61.969 ng  
 RT: 7.52 min Scan# 923  
 Delta R.T. -0.01 min  
 Lab File: BF110375.D  
 Acq: 1 Nov 2018 18:45

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion: 82 Resp: 328391  
 Ion Ratio Lower Upper  
 82 100  
 128 45.1 34.2 51.2  
 54 53.1 38.6 58.0

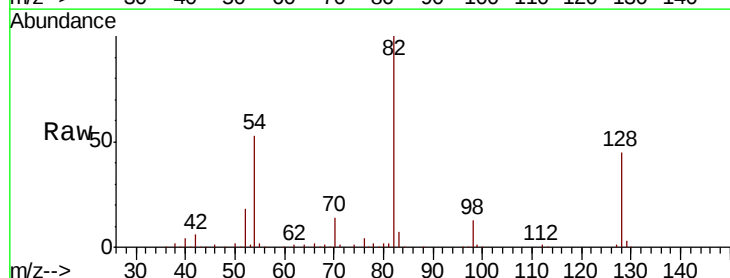


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

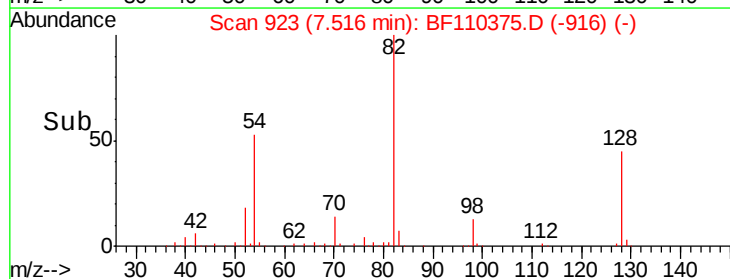
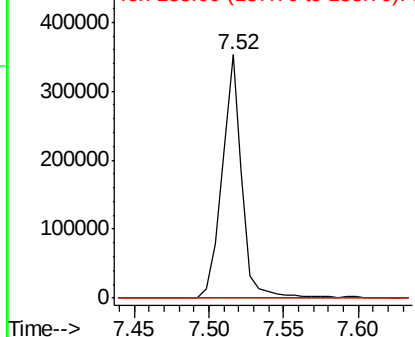


#25  
 Isophorone  
 Concen: 36.353 ng  
 RT: 7.52 min Scan# 923  
 Delta R.T. -0.26 min  
 Lab File: BF110375.D  
 Acq: 1 Nov 2018 18:45

Tgt Ion: 82 Resp: 328385  
 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: 20.000 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BF110375.D

Acq: 1 Nov 2018 18:45

Instrument :

BNA\_F

ClientSampleId :

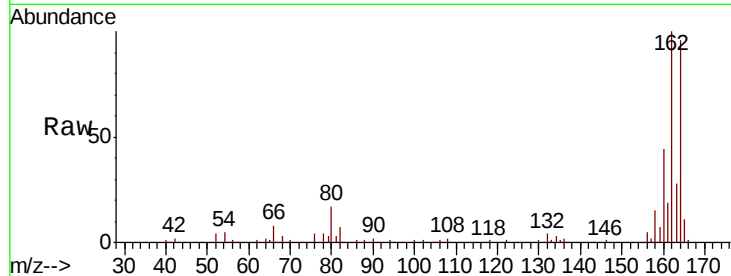
Tot Ion:164 Resp: 144476

Ion Ratio Lower Upper

164 100

162 103.9 83.0 124.6

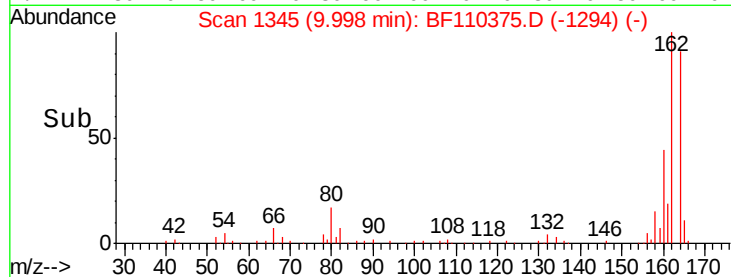
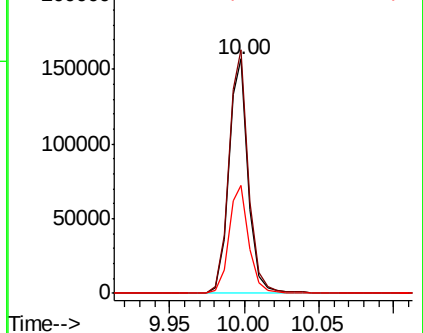
160 46.2 37.0 55.6



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: 80.069 ng

RT: 10.79 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BF110375.D

Acq: 1 Nov 2018 18:45

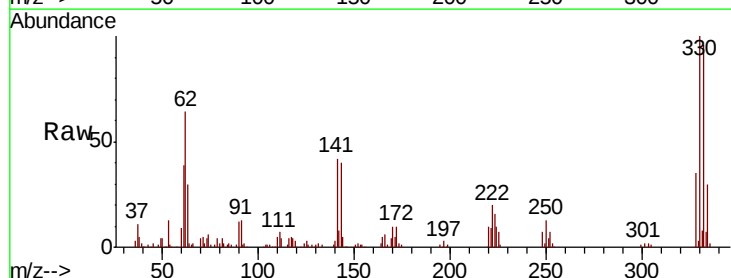
Tgt Ion:330 Resp: 114589

Ion Ratio Lower Upper

330 100

332 95.8 77.1 115.7

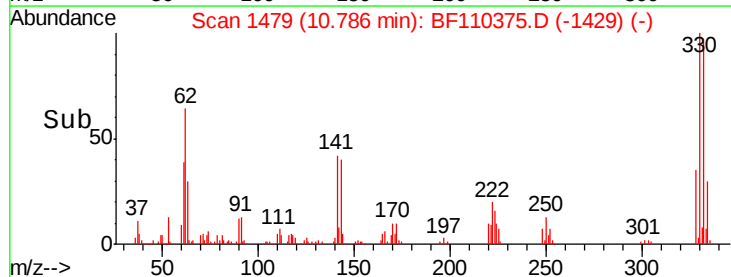
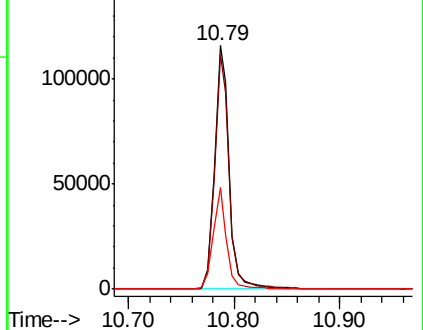
141 38.3 27.0 40.4



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: 70.545 ng

RT: 9.31 min Scan# 1228

Delta R.T. -0.01 min

Lab File: BF110375.D

Acq: 1 Nov 2018 18:45

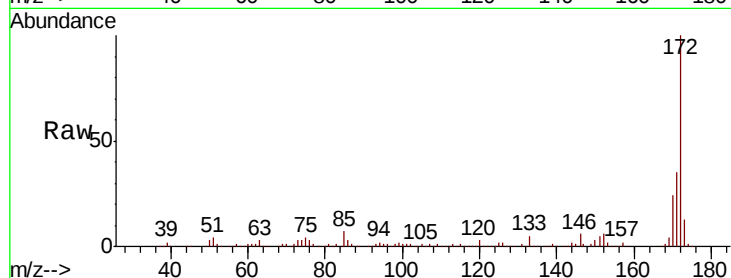
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:172 Resp: 649070

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.1  | 28.6  | 43.0  |
| 170 | 23.5  | 19.7  | 29.5  |

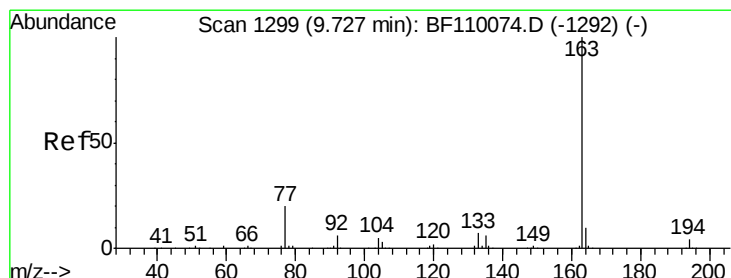
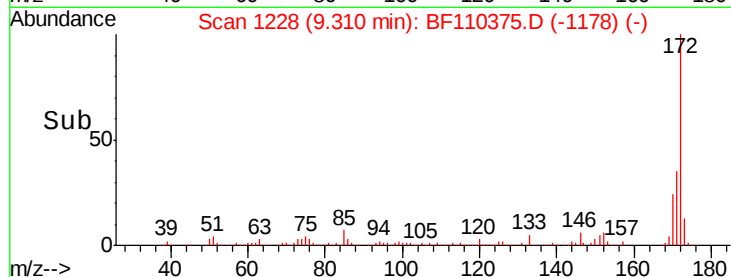
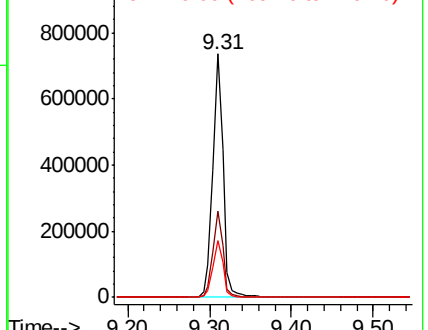


Abundance

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



#50

Dimethylphthalate

Concen: 9.555 ng

RT: 9.70 min Scan# 1295

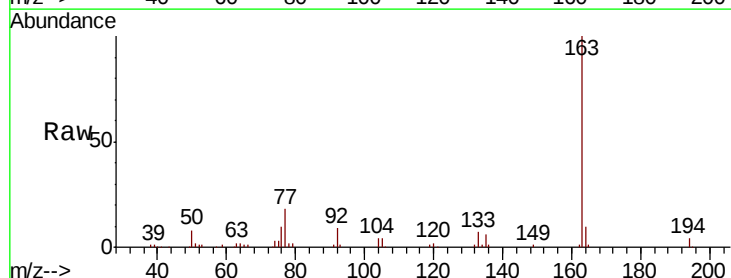
Delta R.T. -0.01 min

Lab File: BF110375.D

Acq: 1 Nov 2018 18:45

Tgt Ion:163 Resp: 101899

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.0   | 3.2   | 4.8   |
| 164 | 10.0  | 8.1   | 12.1  |

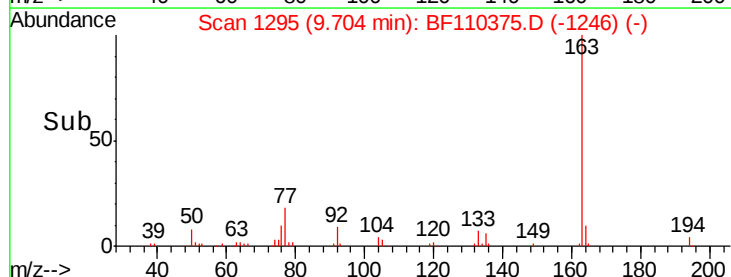
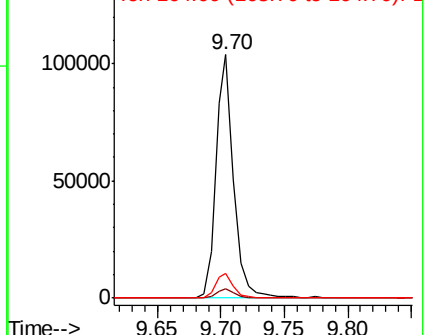


Abundance

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

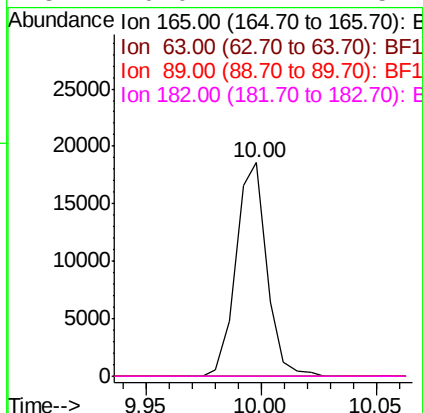
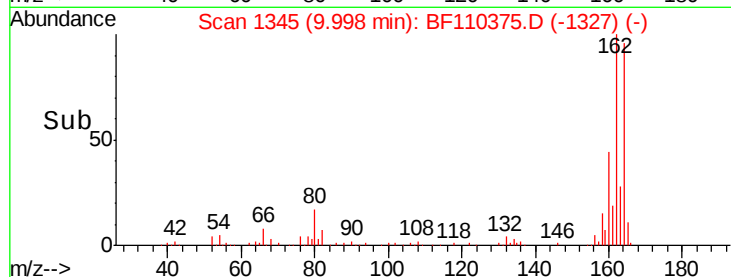
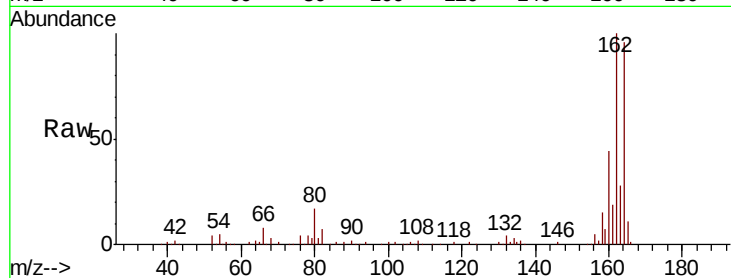




#57  
2,4-Dinitrotoluene  
Concen: 5.935 ng  
RT: 10.00 min Scan# 1345  
Delta R.T. -0.19 min  
Lab File: BF110375.D  
Acq: 1 Nov 2018 18:45

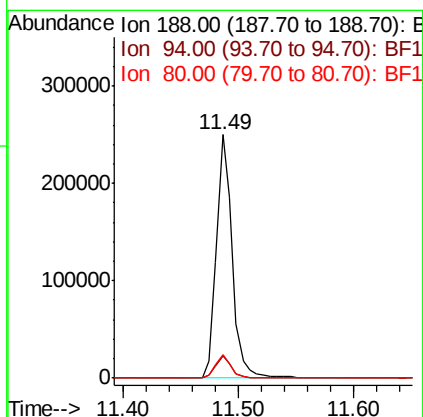
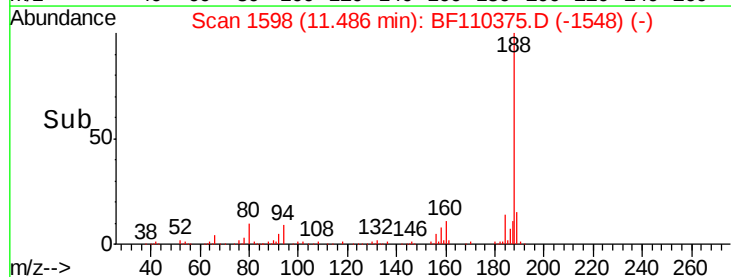
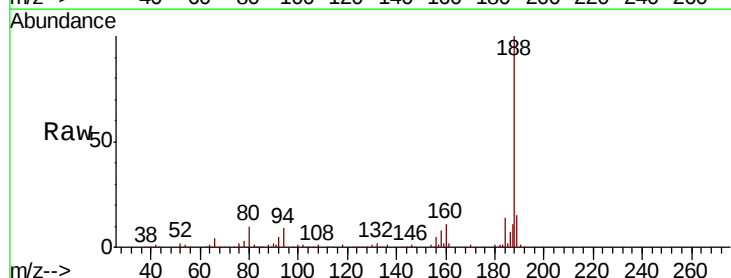
Instrument :  
BNA\_F  
ClientSampleId :

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



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1598  
Delta R.T. -0.01 min  
Lab File: BF110375.D  
Acq: 1 Nov 2018 18:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.0   | 7.2   | 10.8  |
| 80      | 9.7   | 7.9   | 11.9  |

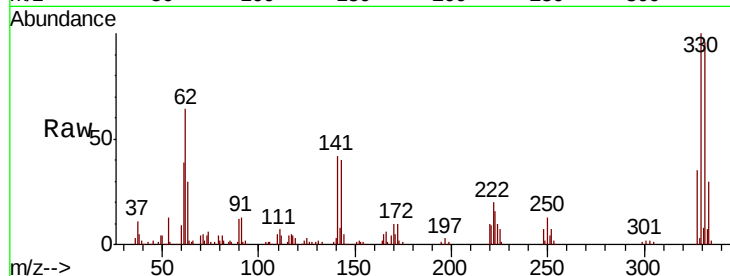




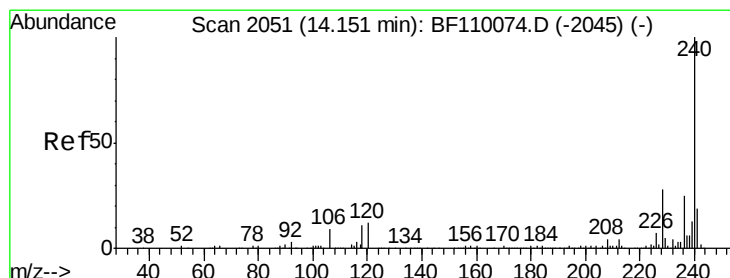
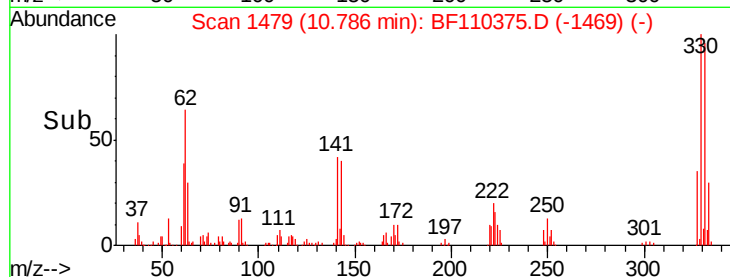
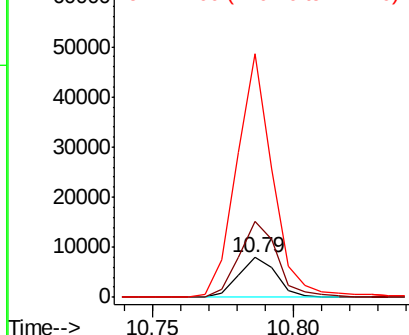
#67  
 4-Bromophenyl-phenylether  
 Concen: 2.863 ng  
 RT: 10.79 min Scan# 1479  
 Delta R.T. -0.24 min  
 Lab File: BF110375.D  
 Acq: 1 Nov 2018 18:45

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:248 Resp: 7362  
 Ion Ratio Lower Upper  
 248 100  
 250 192.7 79.4 119.2#  
 141 613.9 55.9 83.9#

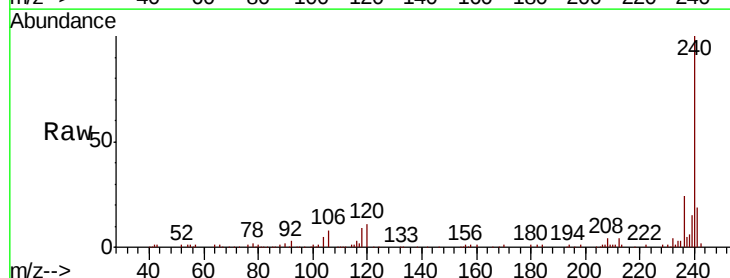


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

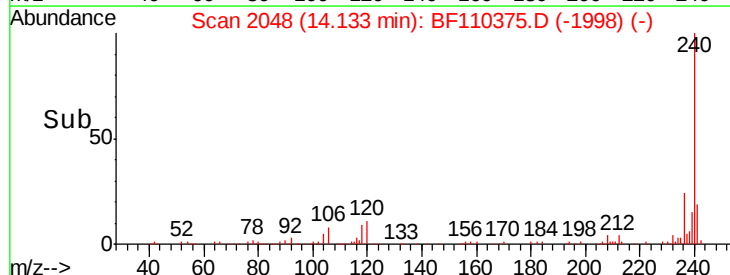
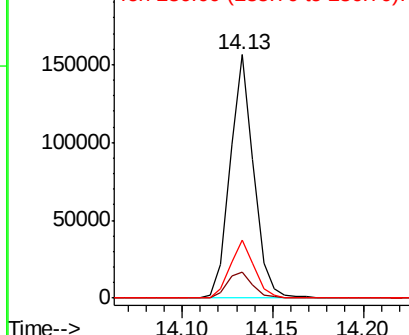


#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.13 min Scan# 2048  
 Delta R.T. -0.01 min  
 Lab File: BF110375.D  
 Acq: 1 Nov 2018 18:45

Tgt Ion:240 Resp: 141660  
 Ion Ratio Lower Upper  
 240 100  
 120 10.8 8.3 12.5  
 236 23.7 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: 64.229 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110375.D

Acq: 1 Nov 2018 18:45

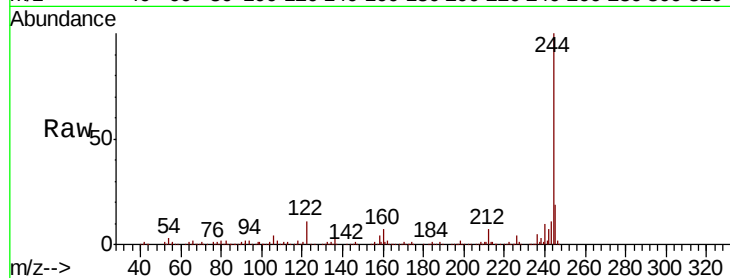
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:244 Resp: 437499

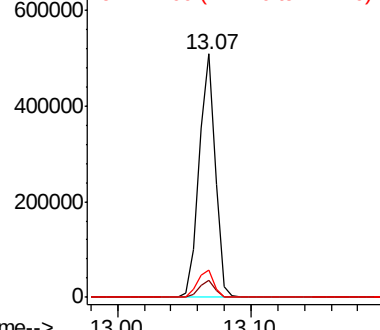
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.8   | 5.8   | 8.8   |
| 122 | 11.1  | 8.7   | 13.1  |



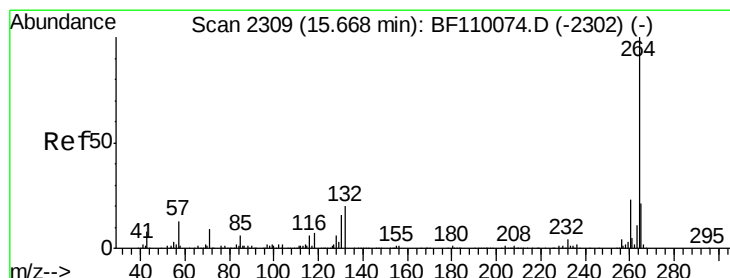
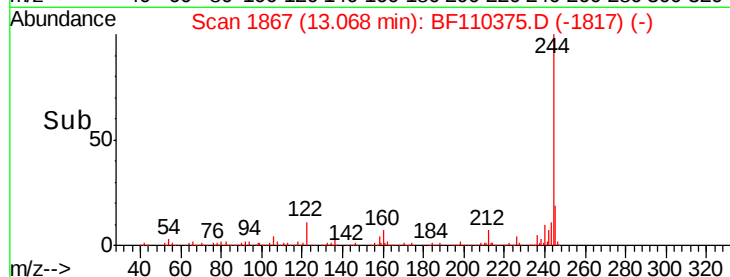
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2307

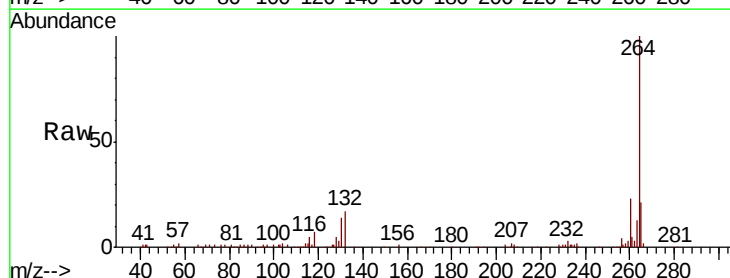
Delta R.T. 0.00 min

Lab File: BF110375.D

Acq: 1 Nov 2018 18:45

Tgt Ion:264 Resp: 151257

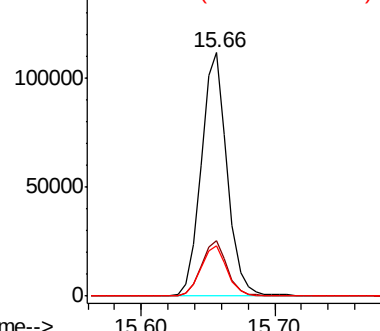
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.6  | 18.7  | 28.1  |
| 265 | 20.6  | 16.7  | 25.1  |



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



Time-->

