

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032116\  
 Data File : BF085640.D  
 Acq On : 21 Mar 2016 23:42  
 Operator : UM/SJ  
 Sample : H1841-08  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NW-1(3-5)

Quant Time: Mar 22 01:32:12 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 18 23:31:39 2016  
 Response via : Initial Calibration

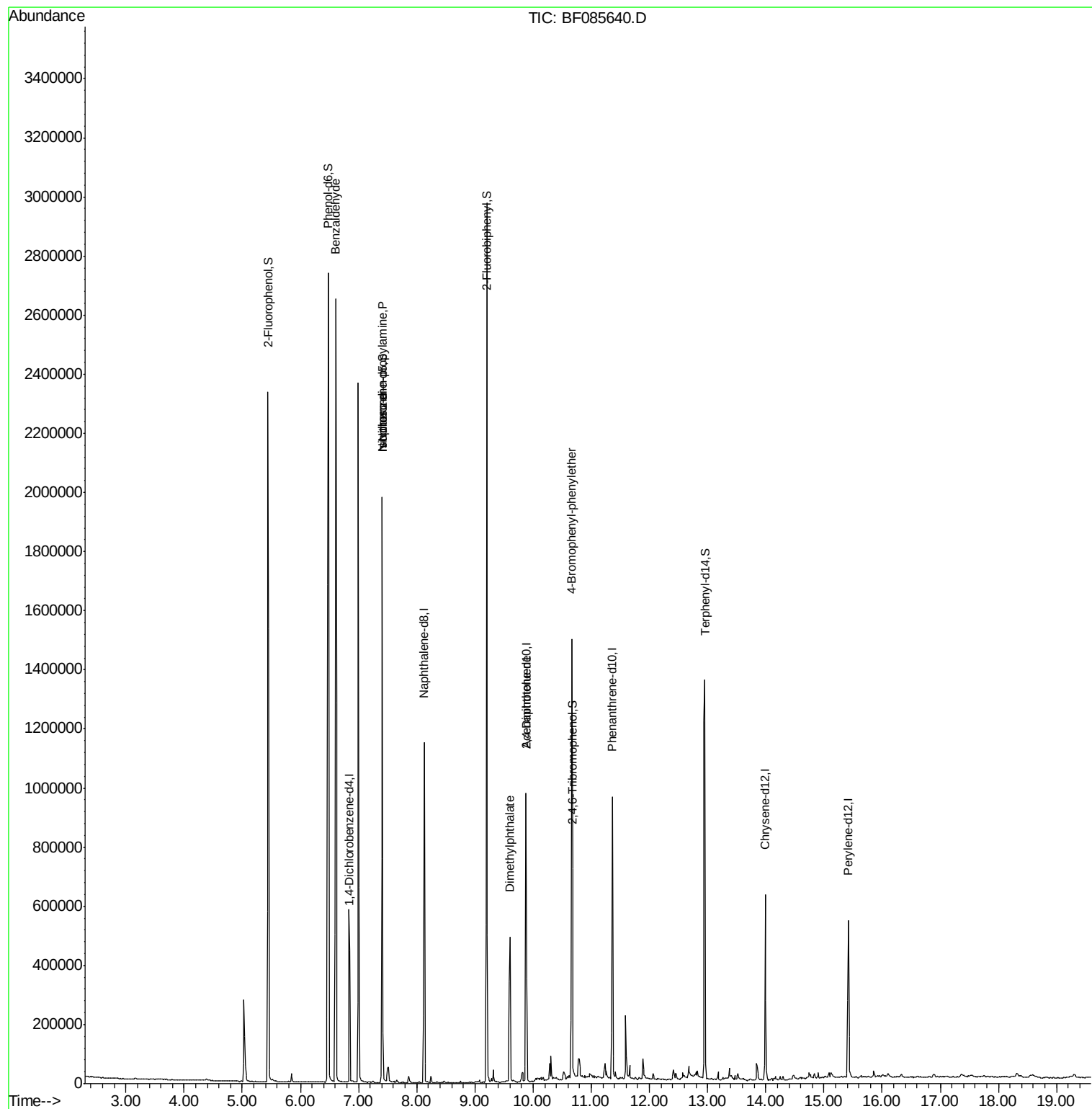
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 120604   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.13  | 136  | 507279   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.88  | 164  | 200495   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.36 | 188  | 328674   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 13.99 | 240  | 228936   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.42 | 264  | 241953   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.44  | 112  | 988865   | 137.72 | ng    | -0.01    |
| 7) Phenol-d6                   | 6.48  | 99   | 1248453  | 135.57 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.41  | 82   | 722868   | 82.72  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.68 | 330  | 219609   | 111.82 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.20  | 172  | 936894   | 78.10  | ng    | -0.02    |
| 78) Terphenyl-d14              | 12.95 | 244  | 597577   | 62.81  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 9) Benzaldehyde                | 6.61  | 77   | 19951    | 2.40   | ng    | 84       |
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70   | 96394    | 17.52  | ng    | # 78     |
| 25) Isophorone                 | 7.41  | 82   | 527421   | 30.14  | ng    | # 68     |
| 49) Dimethylphthalate          | 9.60  | 163  | 271356   | 17.94  | ng    | 98       |
| 56) 2,4-Dinitrotoluene         | 9.88  | 165  | 25909    | 6.20   | ng    | # 37     |
| 66) 4-Bromophenyl-phenylether  | 10.66 | 248  | 14365    | 4.38   | ng    | # 1      |

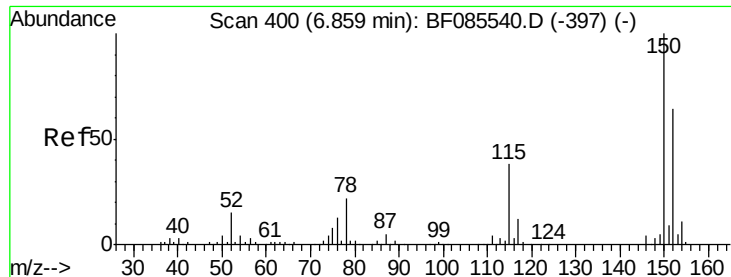
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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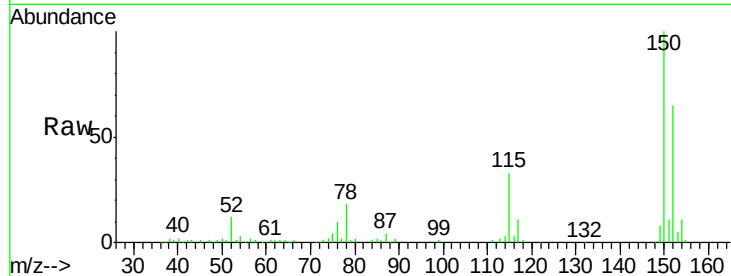


#1

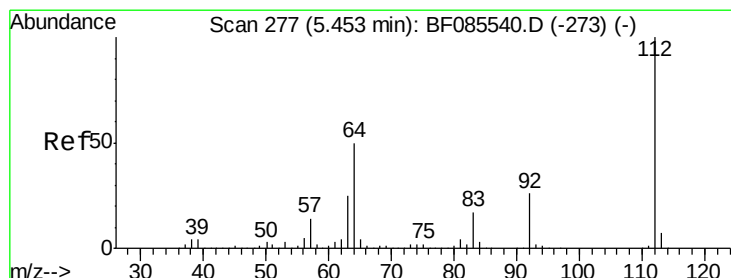
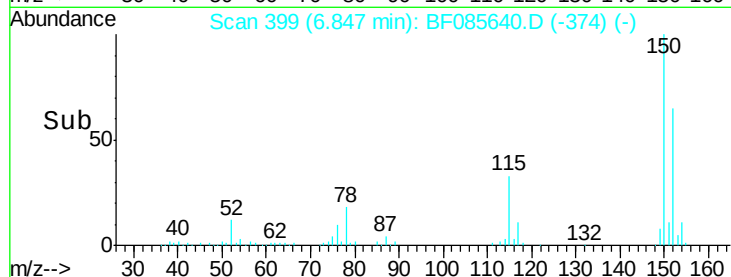
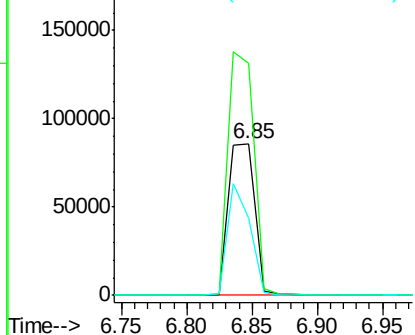
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.85 min Scan# 399  
Delta R.T. -0.01 min  
Lab File: BF085640.D  
Acq: 21 Mar 2016 23:42

Instrument :  
BNA\_F  
ClientSampleId :  
NW-1(3-5)

Tgt Ion:152 Resp: 120604  
Ion Ratio Lower Upper  
152 100  
150 152.7 124.2 186.2  
115 50.7 47.0 70.6



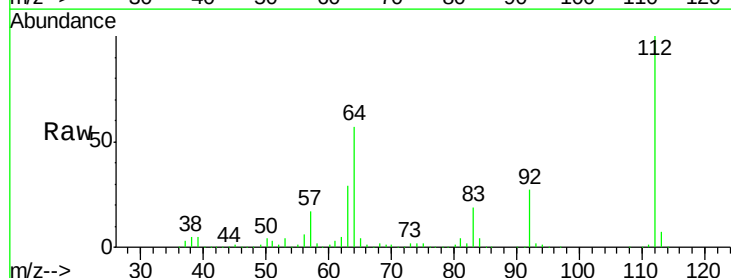
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



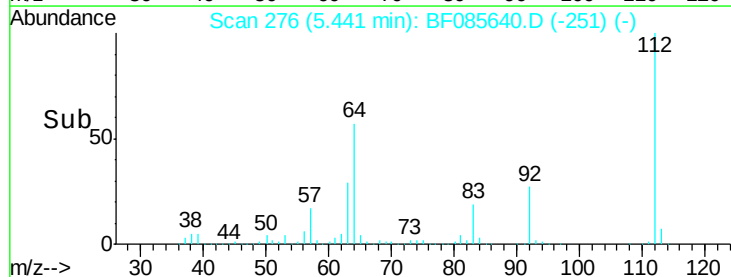
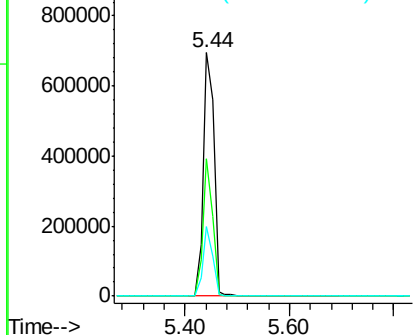
#5

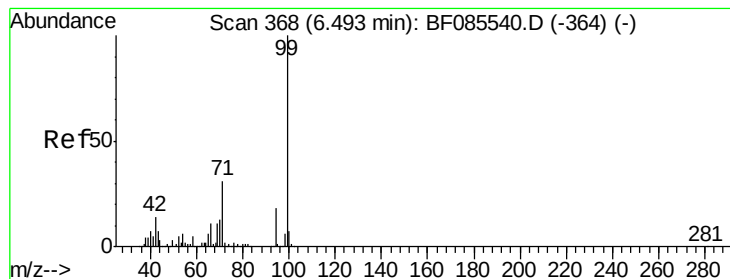
2-Fluorophenol  
Concen: 137.72 ng  
RT: 5.44 min Scan# 276  
Delta R.T. -0.01 min  
Lab File: BF085640.D  
Acq: 21 Mar 2016 23:42

Tgt Ion:112 Resp: 988865  
Ion Ratio Lower Upper  
112 100  
64 56.7 39.9 59.9  
63 28.7 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 135.57 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF085640.D

Acq: 21 Mar 2016 23:42

Instrument :

BNA\_F

ClientSampleId :

NW-1(3-5)

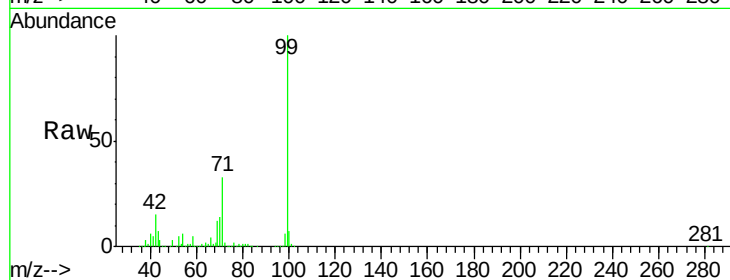
Tgt Ion: 99 Resp: 1248453

Ion Ratio Lower Upper

99 100

42 14.7 11.1 16.7

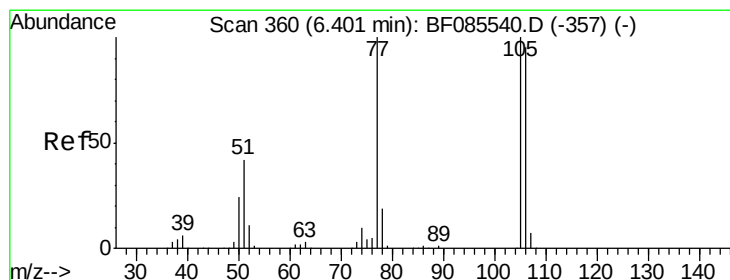
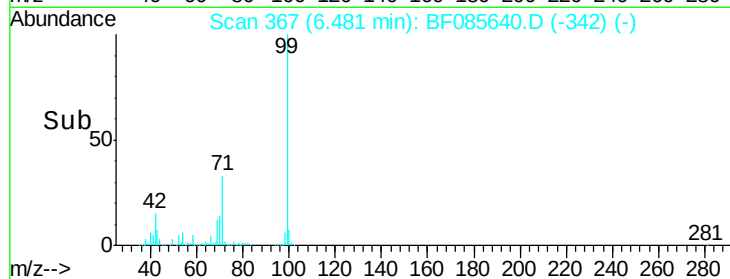
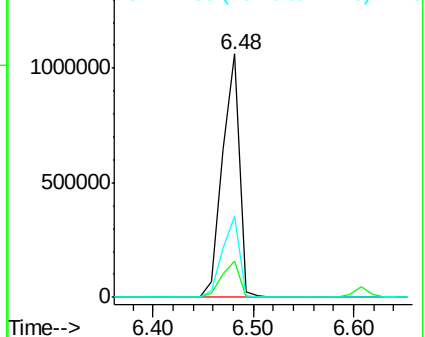
71 33.3 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.40 ng

RT: 6.61 min Scan# 378

Delta R.T. 0.21 min

Lab File: BF085640.D

Acq: 21 Mar 2016 23:42

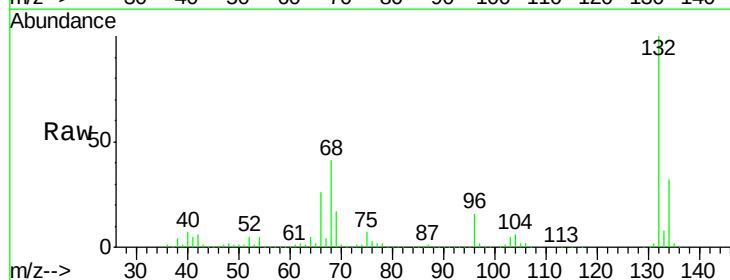
Tgt Ion: 77 Resp: 19951

Ion Ratio Lower Upper

77 100

105 82.4 80.1 120.1

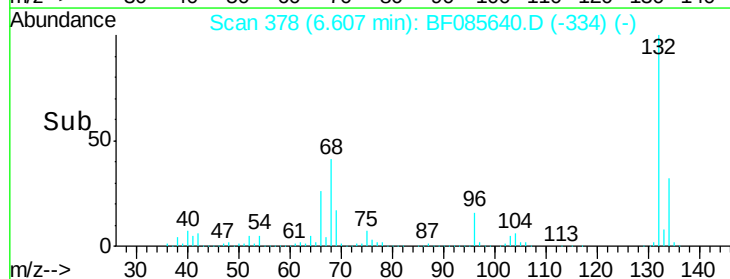
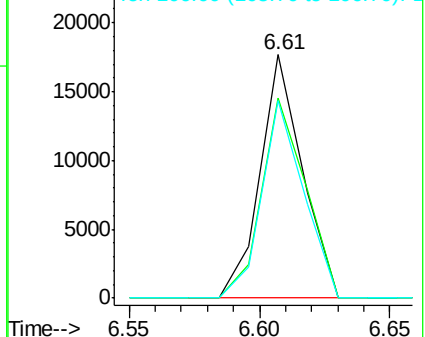
106 80.9 75.0 115.0

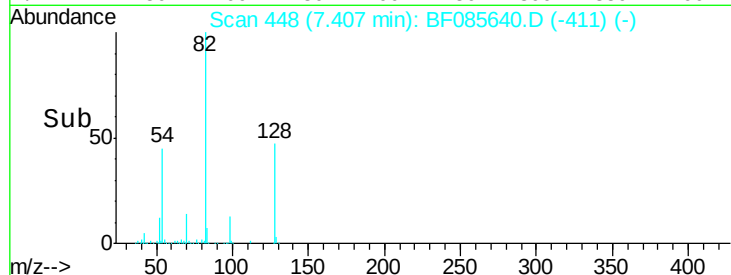
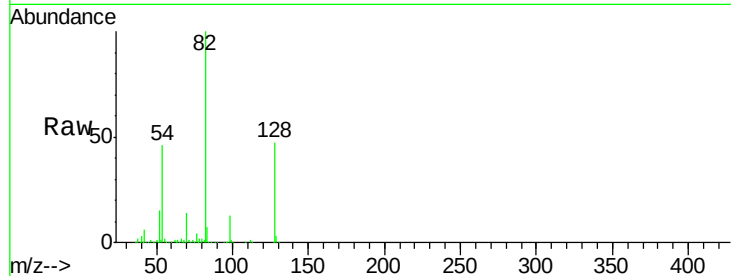
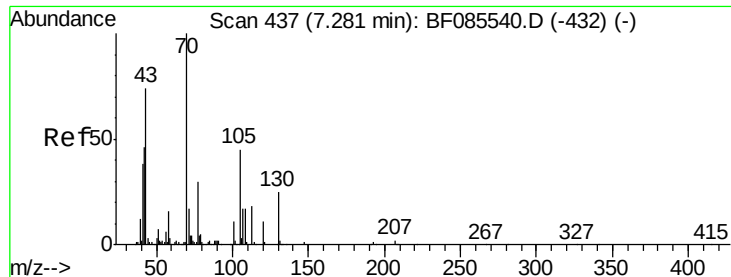


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

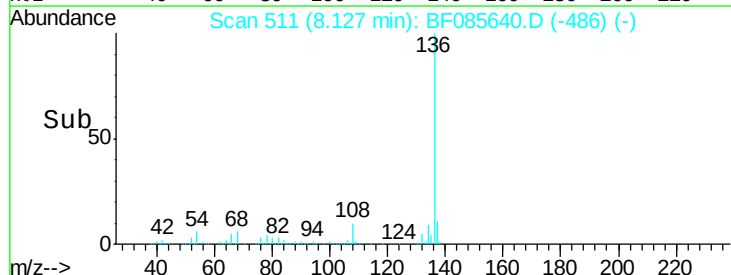
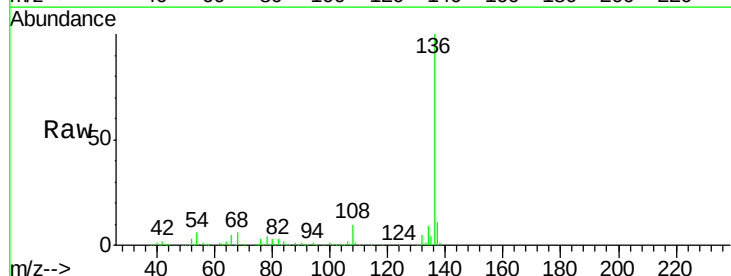
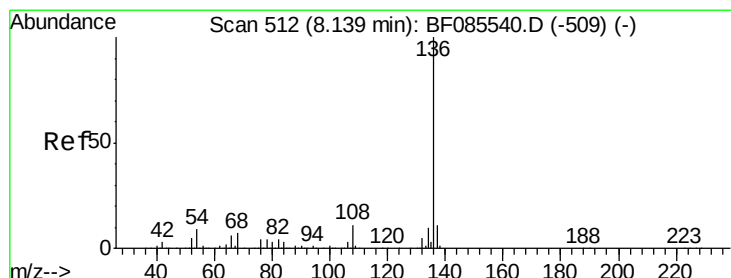
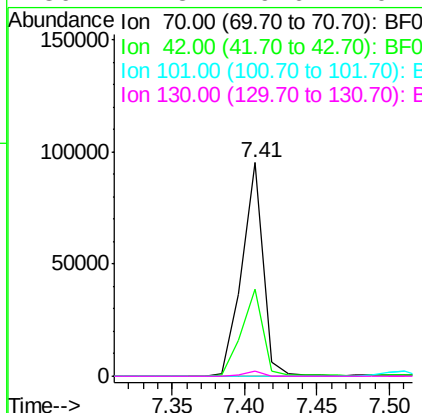




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.52 ng  
RT: 7.41 min Scan# 448  
Delta R.T. 0.13 min  
Lab File: BF085640.D  
Acq: 21 Mar 2016 23:42

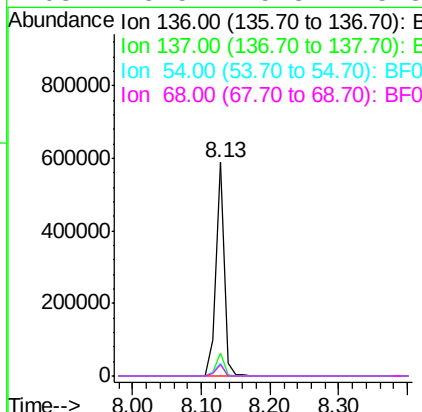
Instrument :  
BNA\_F  
ClientSampleId :  
NW-1(3-5)

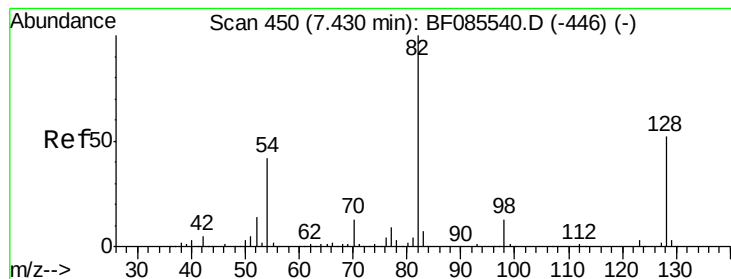
Tgt Ion: 70 Resp: 96394  
Ion Ratio Lower Upper  
70 100  
42 40.9 37.1 55.7  
101 0.0 8.6 12.8#  
130 2.3 19.6 29.4#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.13 min Scan# 511  
Delta R.T. -0.01 min  
Lab File: BF085640.D  
Acq: 21 Mar 2016 23:42

Tgt Ion: 136 Resp: 507279  
Ion Ratio Lower Upper  
136 100  
137 11.0 9.1 13.7  
54 6.3 7.4 11.0#  
68 5.5 5.8 8.8#





#23

Nitrobenzene-d5

Concen: 82.72 ng

RT: 7.41 min Scan# 448

Delta R.T. -0.02 min

Lab File: BF085640.D

Acq: 21 Mar 2016 23:42

Instrument :

BNA\_F

ClientSampleId :

NW-1(3-5)

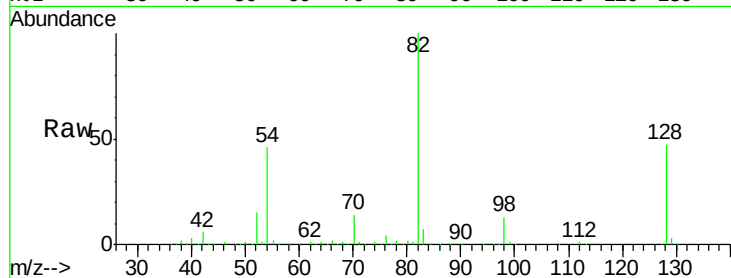
Tgt Ion: 82 Resp: 722868

Ion Ratio Lower Upper

82 100

128 46.6 41.8 62.8

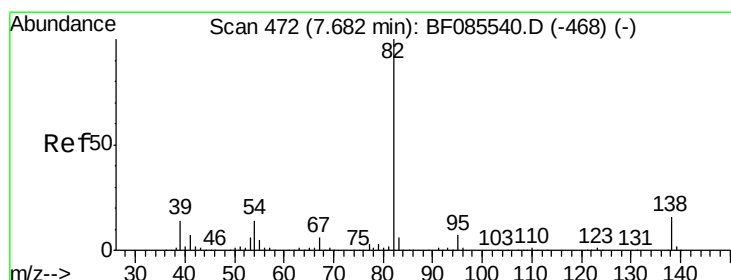
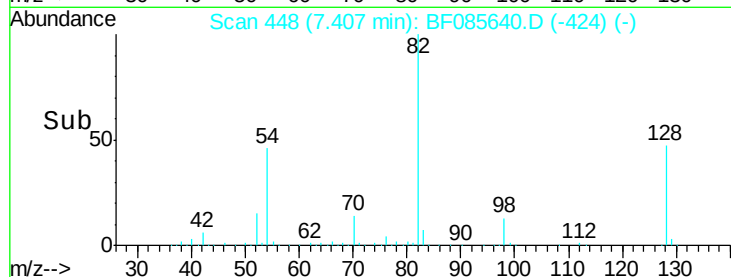
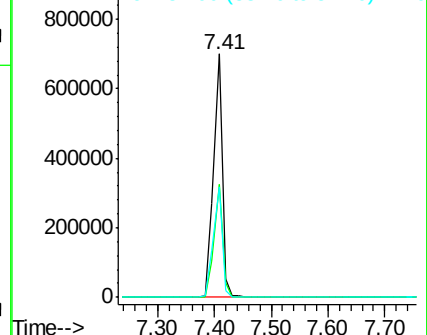
54 45.6 33.4 50.0



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 30.14 ng

RT: 7.41 min Scan# 448

Delta R.T. -0.27 min

Lab File: BF085640.D

Acq: 21 Mar 2016 23:42

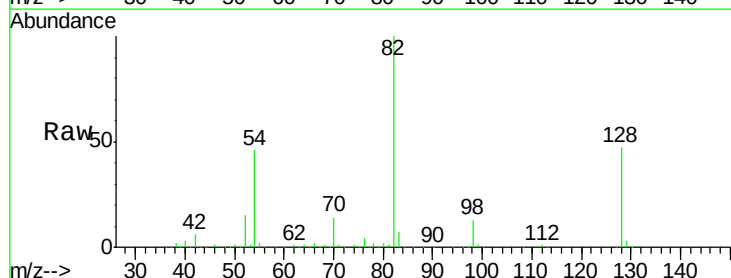
Tgt Ion: 82 Resp: 527421

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

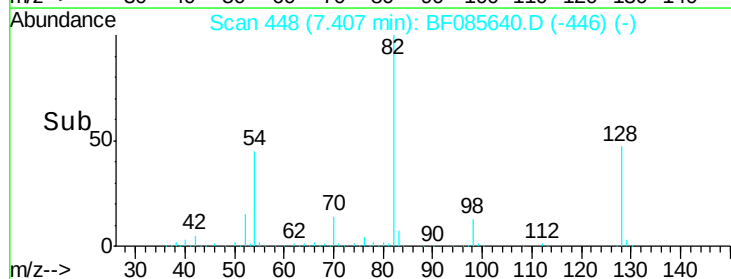
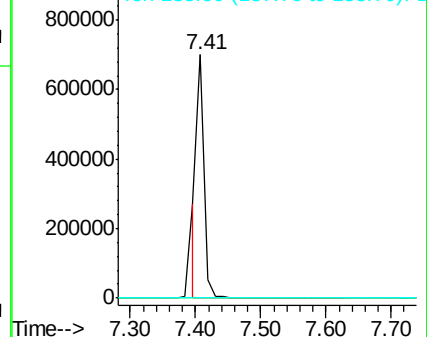
138 0.0 12.9 19.3#

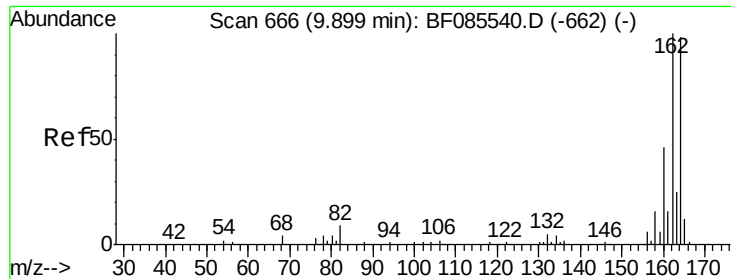


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

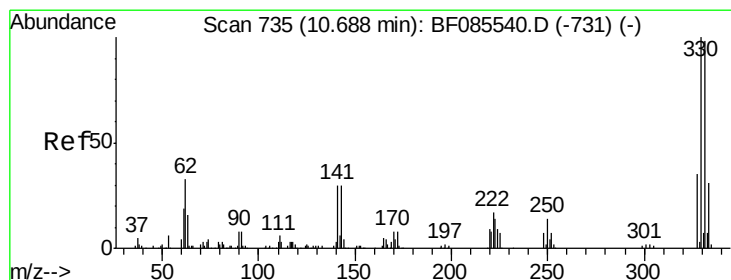
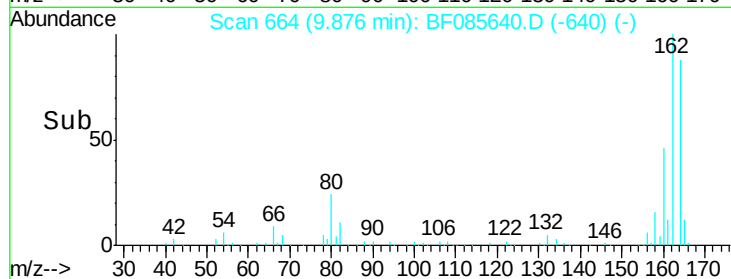
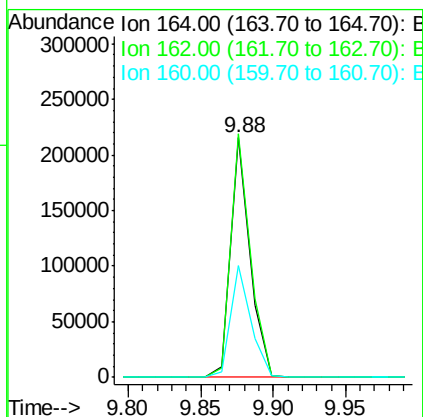
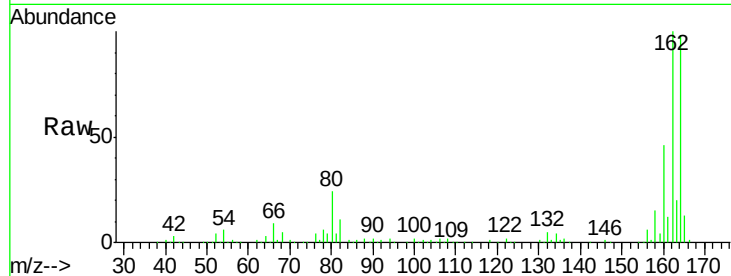




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.88 min Scan# 664  
 Delta R.T. -0.02 min  
 Lab File: BF085640.D  
 Acq: 21 Mar 2016 23:42

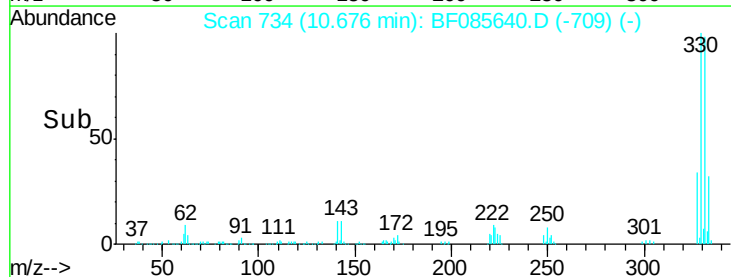
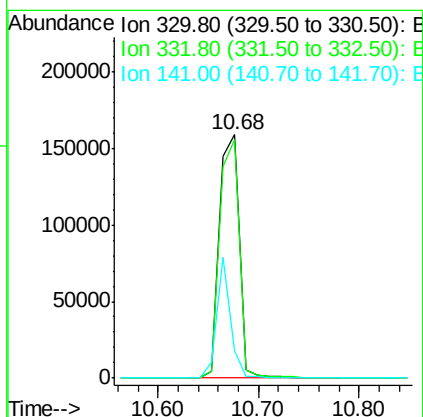
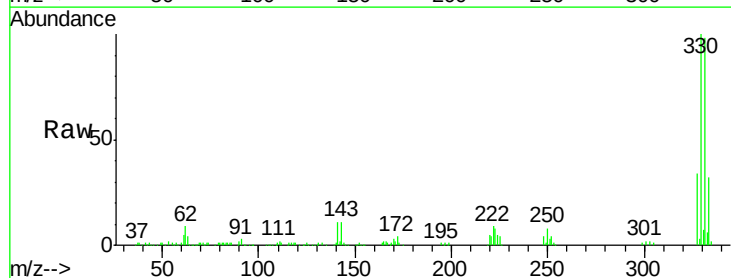
Instrument :  
 BNA\_F  
 ClientSampleId :  
 NW-1(3-5)

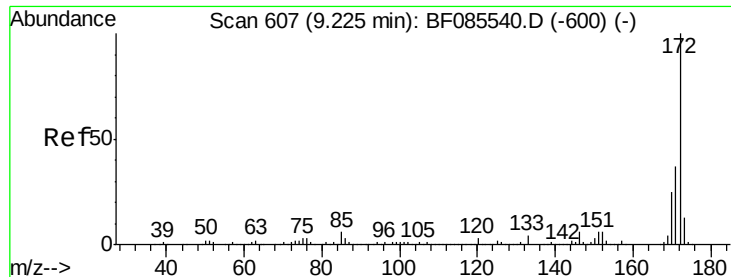
Tgt Ion:164 Resp: 200495  
 Ion Ratio Lower Upper  
 164 100  
 162 101.6 82.1 123.1  
 160 46.7 37.4 56.2



#41  
 2,4,6-Tribromophenol  
 Concen: 111.82 ng  
 RT: 10.68 min Scan# 734  
 Delta R.T. -0.01 min  
 Lab File: BF085640.D  
 Acq: 21 Mar 2016 23:42

Tgt Ion:330 Resp: 219609  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 78.2 117.2  
 141 35.2 31.5 47.3

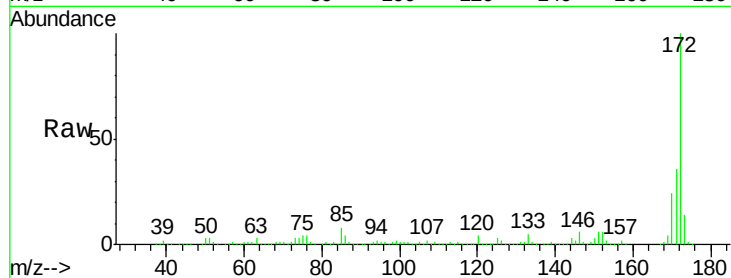




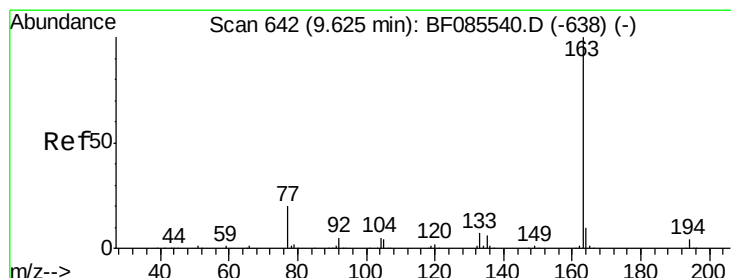
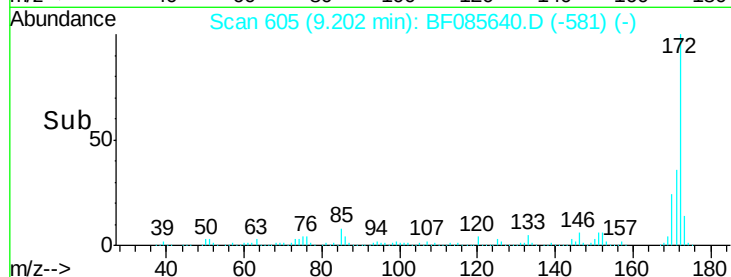
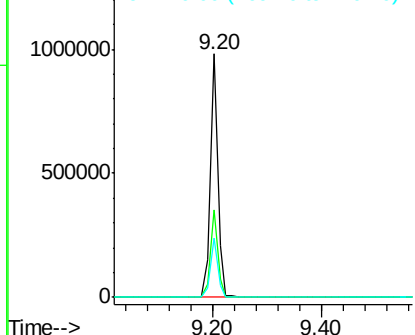
#44  
 2-Fluorobiphenyl  
 Concen: 78.10 ng  
 RT: 9.20 min Scan# 605  
 Delta R.T. -0.02 min  
 Lab File: BF085640.D  
 Acq: 21 Mar 2016 23:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NW-1(3-5)

Tgt Ion:172 Resp: 936894  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.4 44.2  
 170 24.4 19.8 29.6

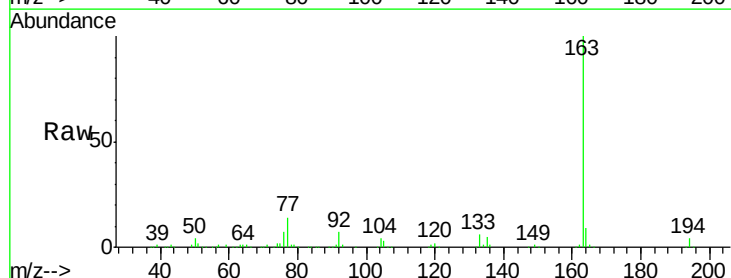


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

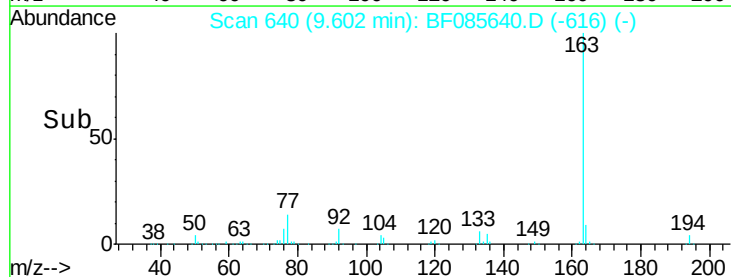
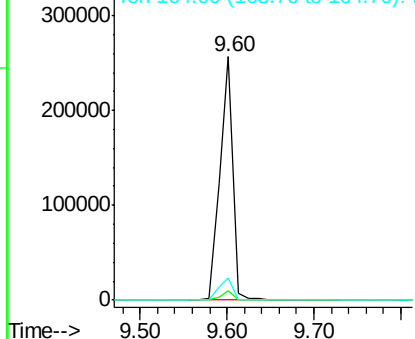


#49  
 Dimethylphthalate  
 Concen: 17.94 ng  
 RT: 9.60 min Scan# 640  
 Delta R.T. -0.02 min  
 Lab File: BF085640.D  
 Acq: 21 Mar 2016 23:42

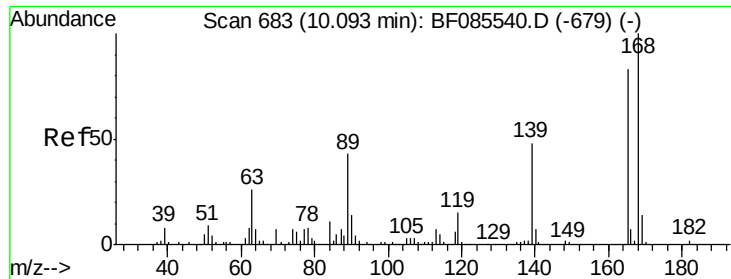
Tgt Ion:163 Resp: 271356  
 Ion Ratio Lower Upper  
 163 100  
 194 3.9 2.9 4.3  
 164 9.3 8.3 12.5



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



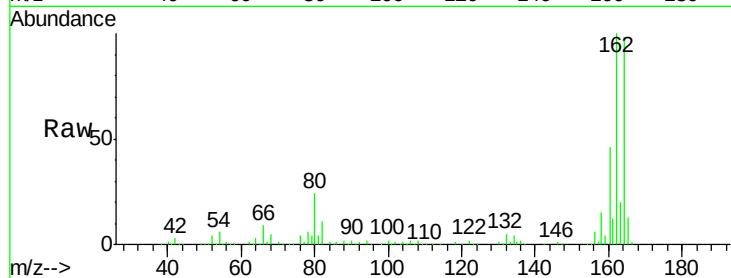




#56  
 2,4-Dinitrotoluene  
 Concen: 6.20 ng  
 RT: 9.88 min Scan# 664  
 Delta R.T. -0.22 min  
 Lab File: BF085640.D  
 Acq: 21 Mar 2016 23:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NW-1(3-5)

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 25909 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.2   | 24.9  | 37.3# |
| 89       | 1.8   | 41.0  | 61.6# |
| 182      | 0.0   | 2.1   | 3.1#  |

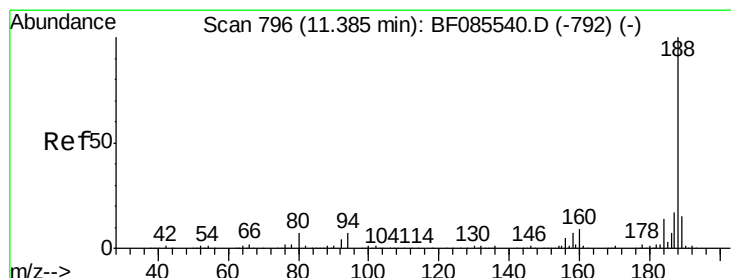
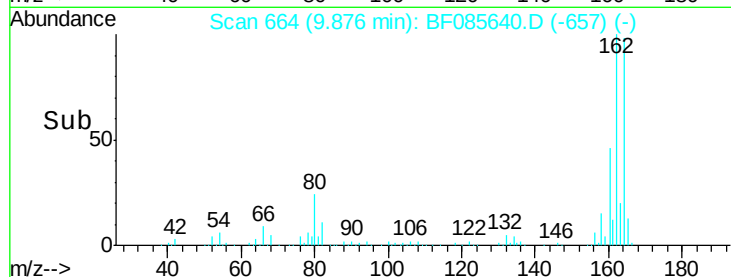
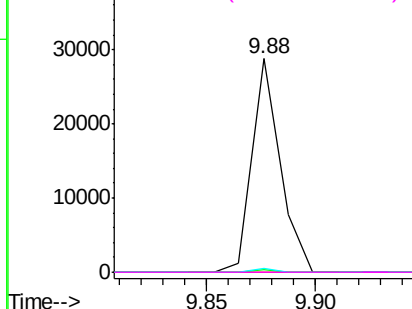


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

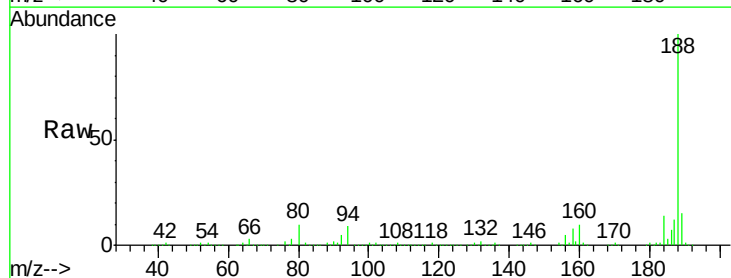
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.36 min Scan# 794  
 Delta R.T. -0.02 min  
 Lab File: BF085640.D  
 Acq: 21 Mar 2016 23:42

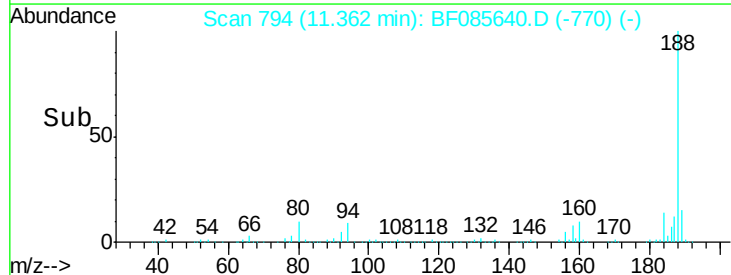
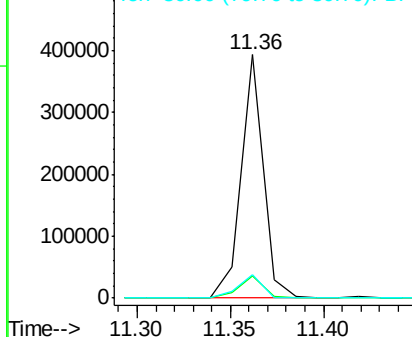
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 328674 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 9.1   | 5.4   | 8.0#   |
| 80       | 9.7   | 5.5   | 8.3#   |

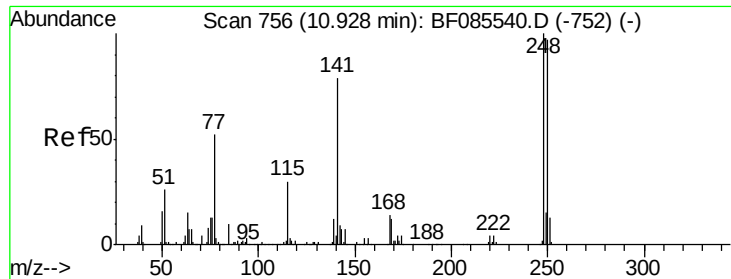


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.38 ng

RT: 10.66 min Scan# 733

Delta R.T. -0.26 min

Lab File: BF085640.D

Acq: 21 Mar 2016 23:42

Instrument :

BNA\_F

ClientSampled :

NW-1(3-5)

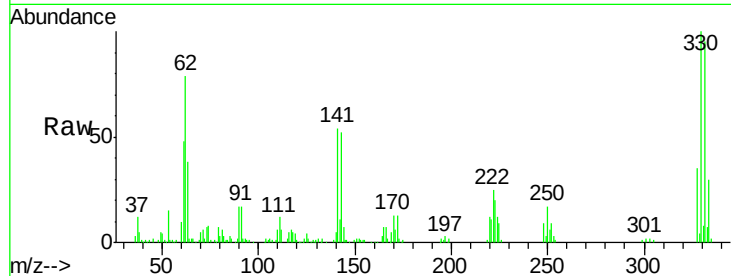
Tgt Ion:248 Resp: 14365

Ion Ratio Lower Upper

248 100

250 190.9 77.4 116.0#

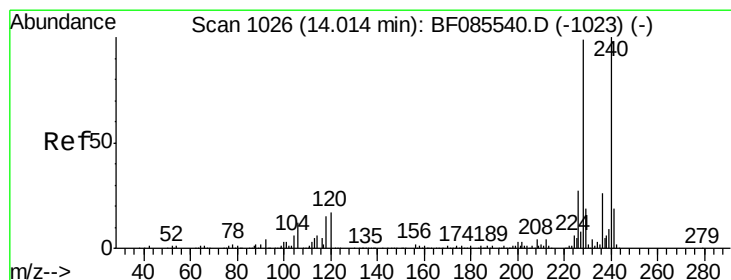
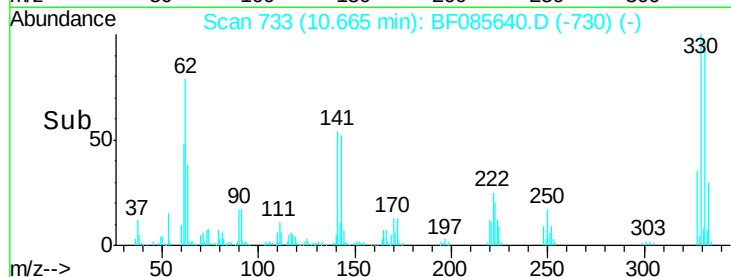
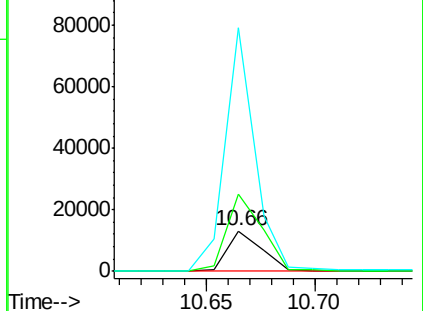
141 602.4 63.6 95.4#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF085640.D

Acq: 21 Mar 2016 23:42

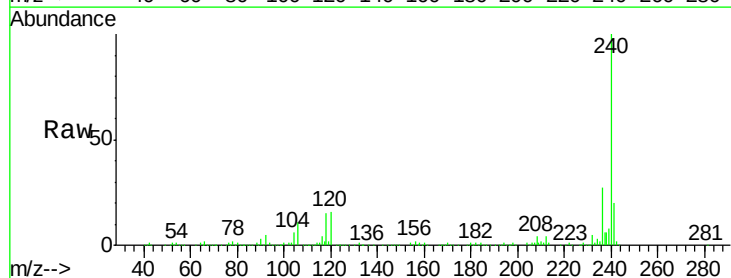
Tgt Ion:240 Resp: 228936

Ion Ratio Lower Upper

240 100

120 16.3 13.8 20.8

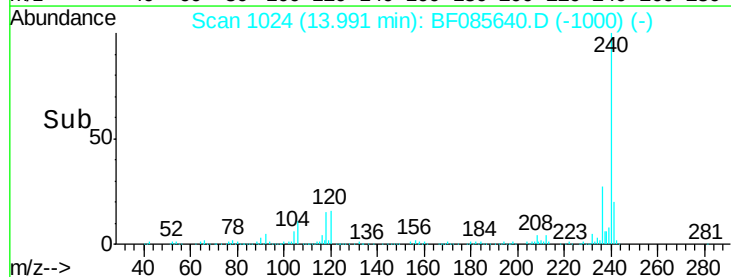
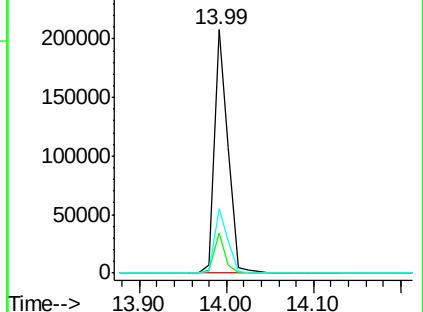
236 26.6 20.6 30.8

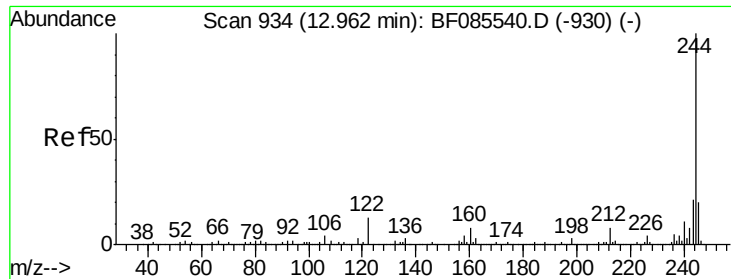


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

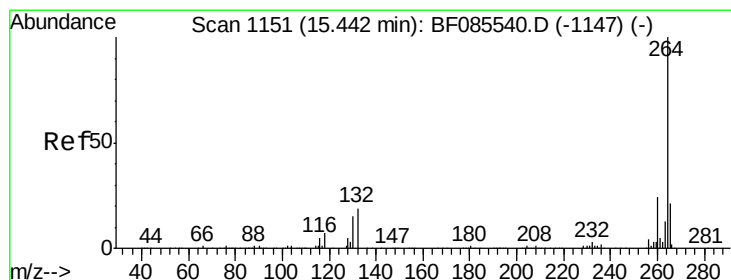
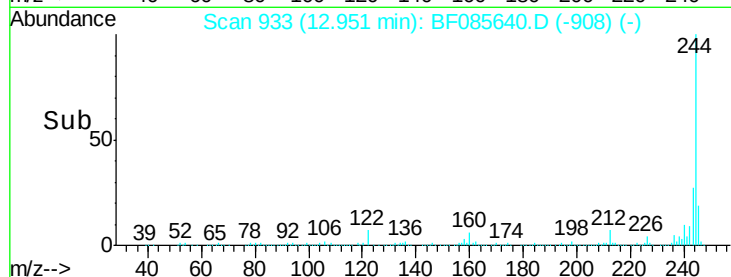
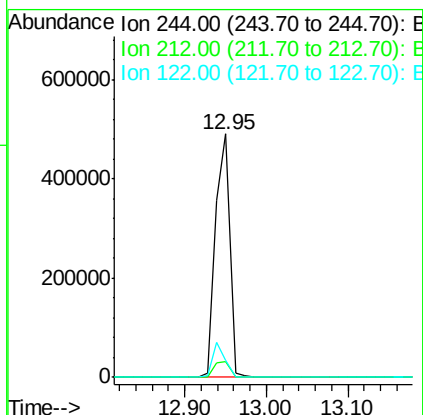
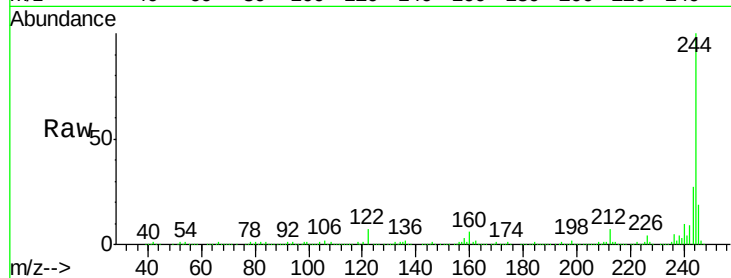




#78  
 Terphenyl-d14  
 Concen: 62.81 ng  
 RT: 12.95 min Scan# 933  
 Delta R.T. -0.01 min  
 Lab File: BF085640.D  
 Acq: 21 Mar 2016 23:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NW-1(3-5)

Tgt Ion:244 Resp: 597577  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 6.1 9.1  
 122 7.3 10.2 15.4#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.42 min Scan# 1149  
 Delta R.T. -0.02 min  
 Lab File: BF085640.D  
 Acq: 21 Mar 2016 23:42

Tgt Ion:264 Resp: 241953  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.4 29.2  
 265 21.1 17.2 25.8

