

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF030916\  
 Data File : BF085314.D  
 Acq On : 9 Mar 2016 22:32  
 Operator : UM/SJ  
 Sample : H1724-07  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 UST-SW-SE

Quant Time: Mar 09 23:52:06 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 04 00:54:58 2016  
 Response via : Initial Calibration

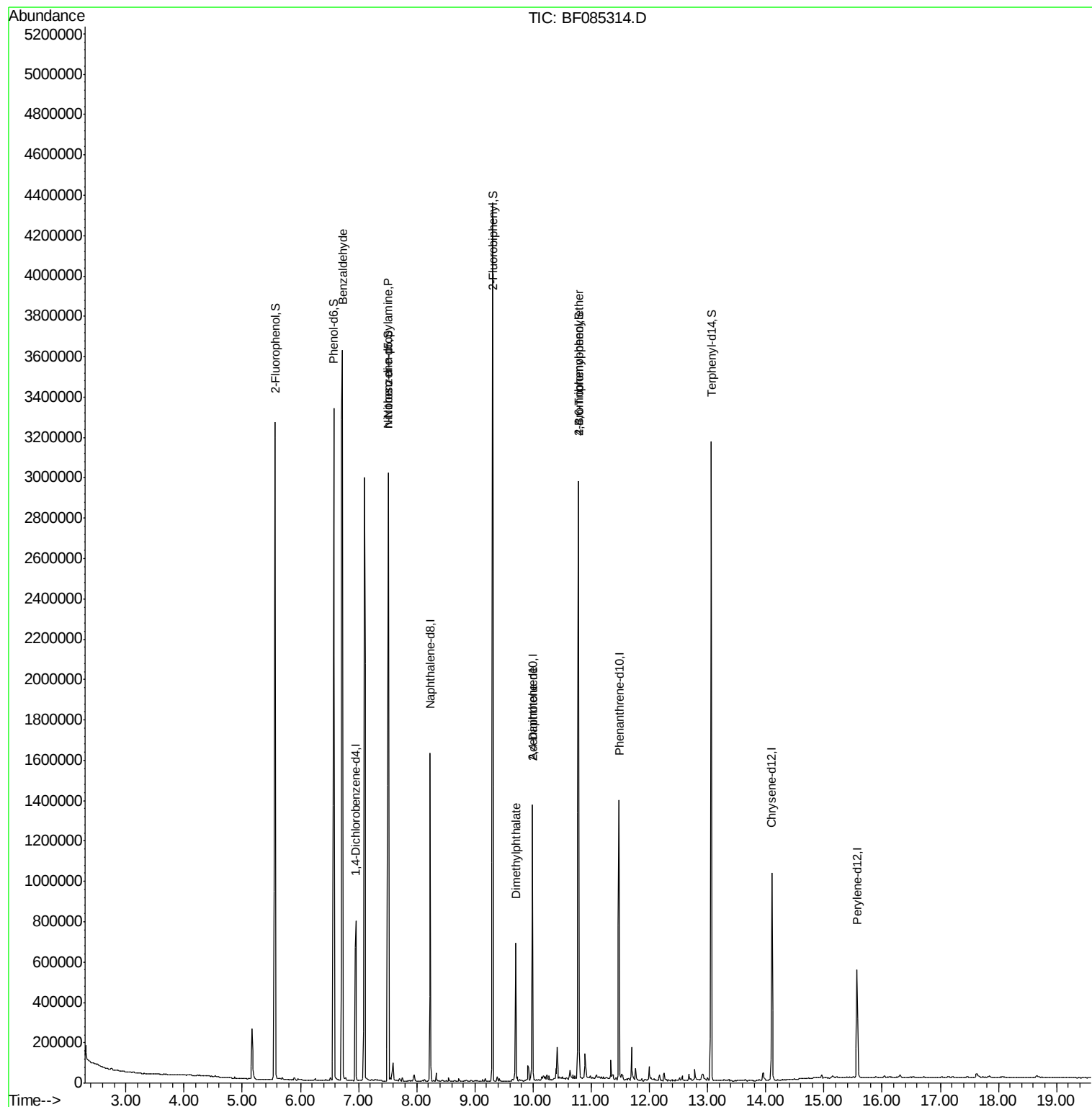
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.95  | 152  | 170903   | 20.00  | ng    | -0.03     |
| 21) Naphthalene-d8             | 8.23  | 136  | 729229   | 20.00  | ng    | -0.03     |
| 38) Acenaphthene-d10           | 9.99  | 164  | 335373   | 20.00  | ng    | -0.03     |
| 63) Phenanthrene-d10           | 11.48 | 188  | 603596   | 20.00  | ng    | -0.03     |
| 75) Chrysene-d12               | 14.11 | 240  | 357058   | 20.00  | ng    | -0.05     |
| 86) Perylene-d12               | 15.57 | 264  | 251722   | 20.00  | ng    | -0.05     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.57  | 112  | 1591454  | 156.20 | ng    | -0.01     |
| 7) Phenol-d6                   | 6.57  | 99   | 1873969  | 140.39 | ng    | -0.03     |
| 23) Nitrobenzene-d5            | 7.51  | 82   | 1150447  | 84.42  | ng    | -0.03     |
| 41) 2,4,6-Tribromophenol       | 10.78 | 330  | 393804   | 137.23 | ng    | -0.03     |
| 44) 2-Fluorobiphenyl           | 9.30  | 172  | 1615564  | 73.26  | ng    | -0.05     |
| 78) Terphenyl-d14              | 13.07 | 244  | 1399860  | 91.01  | ng    | -0.02     |
| Target Compounds               |       |      |          |        |       |           |
| 9) Benzaldehyde                | 6.72  | 77   | 33112    | 2.41   | ng    | Qvalue 92 |
| 19) n-Nitroso-di-n-propylamine | 7.51  | 70   | 157657   | 18.12  | ng    | # 77      |
| 49) Dimethylphthalate          | 9.70  | 163  | 418113   | 16.24  | ng    | 99        |
| 56) 2,4-Dinitrotoluene         | 9.99  | 165  | 42278    | 6.00   | ng    | # 22      |
| 66) 4-Bromophenyl-phenylether  | 10.78 | 248  | 28153    | 4.80   | ng    | # 1       |

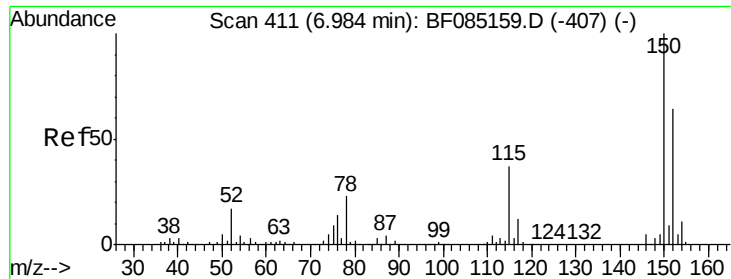
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 408

Delta R.T. -0.03 min

Lab File: BF085314.D

Acq: 9 Mar 2016 22:32

Instrument :

BNA\_F

ClientSampleId :

UST-SW-SE

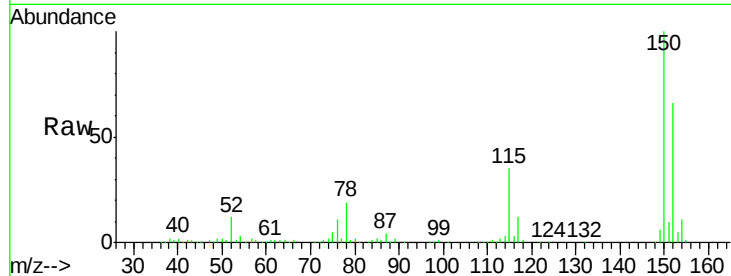
Tgt Ion:152 Resp: 170903

Ion Ratio Lower Upper

152 100

150 152.2 124.6 186.8

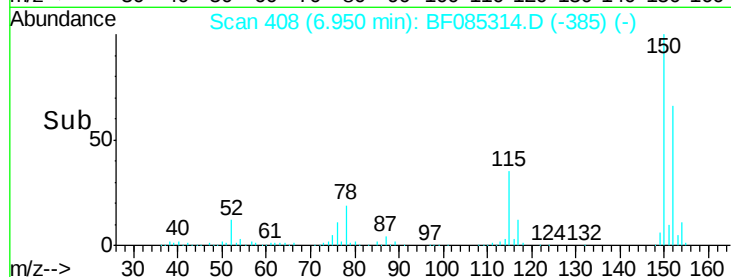
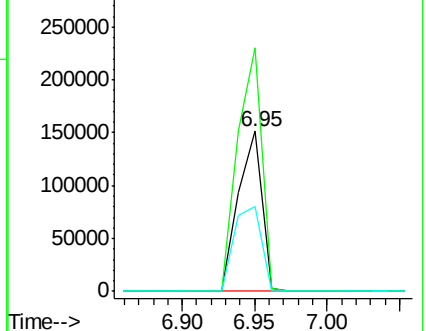
115 53.0 46.6 70.0



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: 156.20 ng

RT: 5.57 min Scan# 287

Delta R.T. -0.01 min

Lab File: BF085314.D

Acq: 9 Mar 2016 22:32

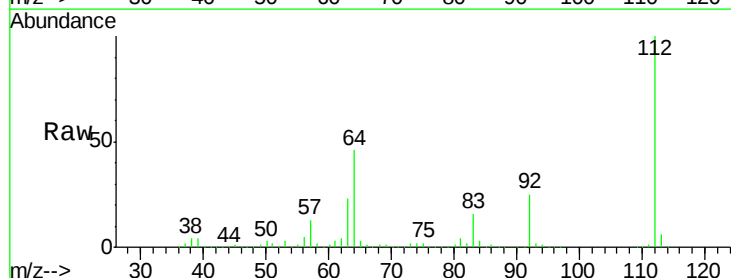
Tgt Ion:112 Resp: 1591454

Ion Ratio Lower Upper

112 100

64 45.6 49.0 73.4#

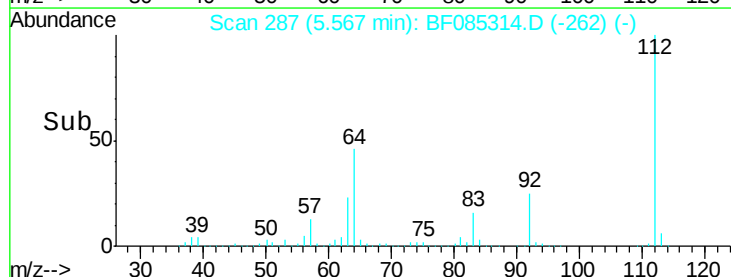
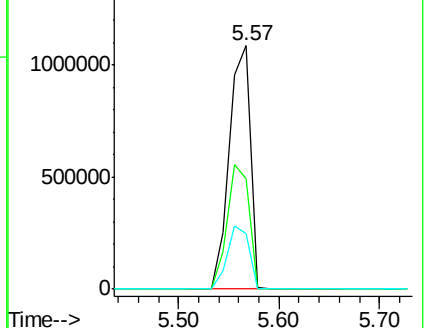
63 22.9 24.8 37.2#



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: 140.39 ng

RT: 6.57 min Scan# 375

Delta R.T. -0.03 min

Lab File: BF085314.D

Acq: 9 Mar 2016 22:32

Instrument :

BNA\_F

ClientSampleId :

UST-SW-SE

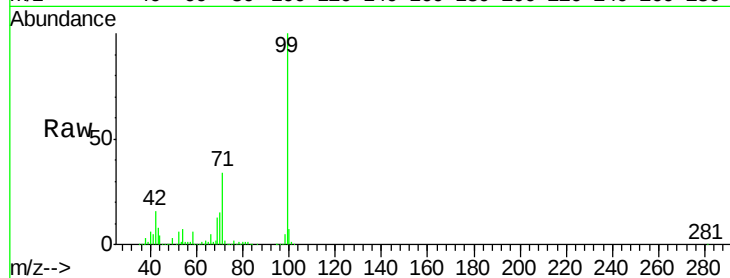
Tgt Ion: 99 Resp: 1873969

Ion Ratio Lower Upper

99 100

42 16.2 13.6 20.4

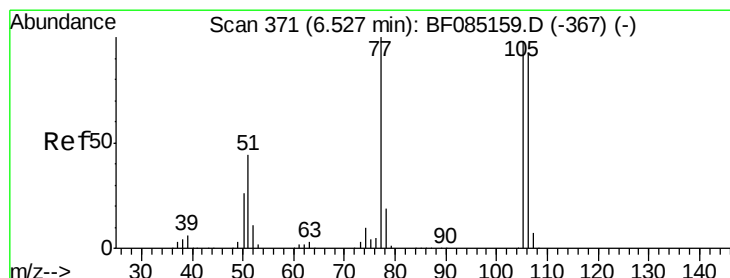
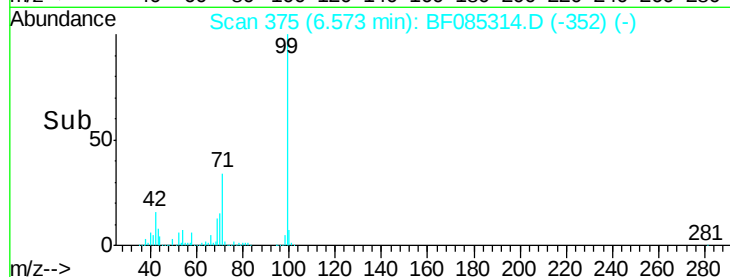
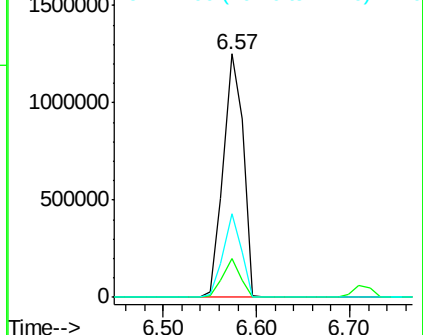
71 34.2 26.7 40.1



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: 2.41 ng

RT: 6.72 min Scan# 388

Delta R.T. 0.19 min

Lab File: BF085314.D

Acq: 9 Mar 2016 22:32

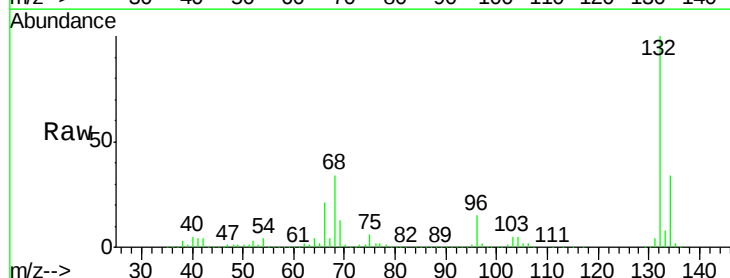
Tgt Ion: 77 Resp: 33112

Ion Ratio Lower Upper

77 100

105 90.7 78.2 118.2

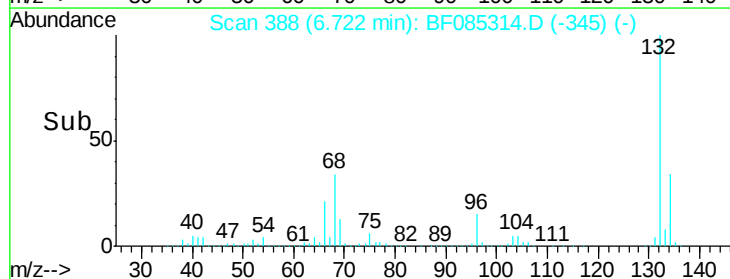
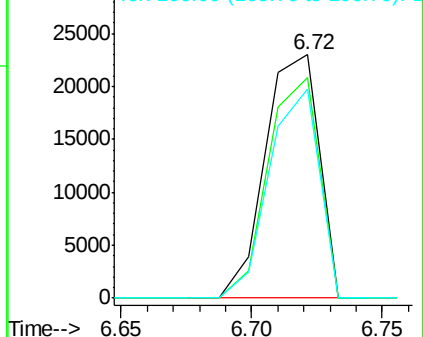
106 85.6 72.9 112.9



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

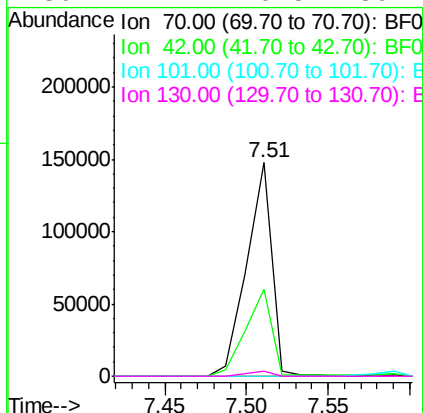
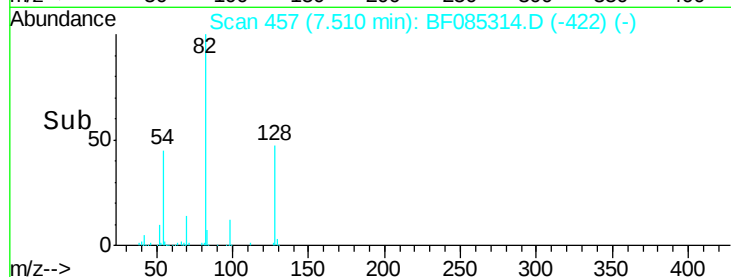
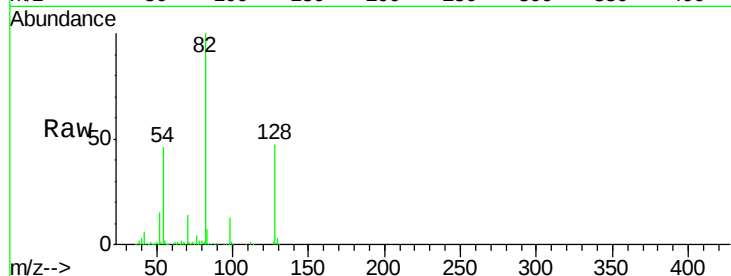




#19  
n-Nitroso-di-n-propylamine  
Concen: 18.12 ng  
RT: 7.51 min Scan# 457  
Delta R.T. 0.10 min  
Lab File: BF085314.D  
Acq: 9 Mar 2016 22:32

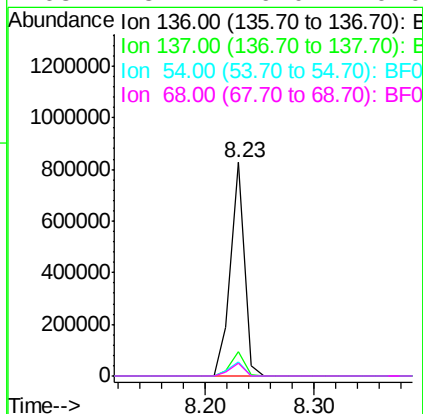
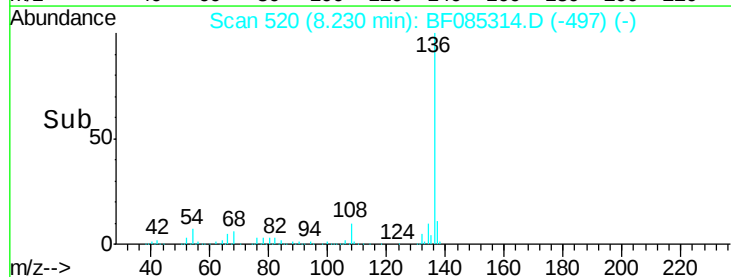
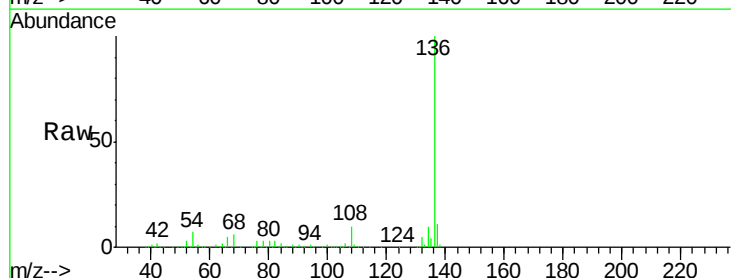
Instrument :  
BNA\_F  
ClientSampleId :  
UST-SW-SE

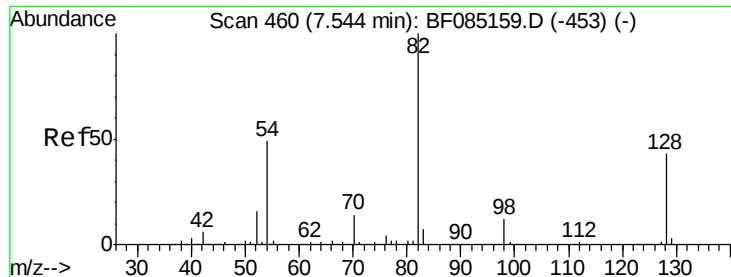
Tgt Ion: 70 Resp: 157657  
Ion Ratio Lower Upper  
70 100  
42 40.7 37.7 56.5  
101 0.0 8.2 12.4#  
130 2.2 20.5 30.7#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.23 min Scan# 520  
Delta R.T. -0.03 min  
Lab File: BF085314.D  
Acq: 9 Mar 2016 22:32

Tgt Ion: 136 Resp: 729229  
Ion Ratio Lower Upper  
136 100  
137 11.1 9.3 13.9  
54 6.7 7.4 11.2#  
68 5.7 6.0 9.0#

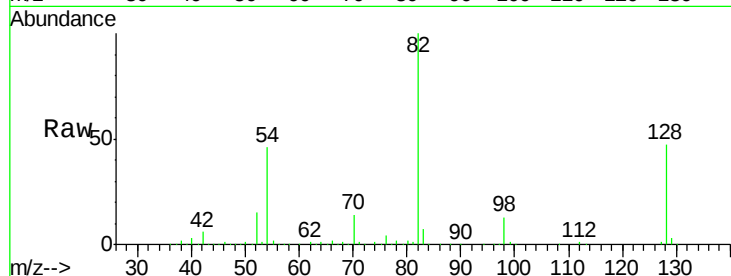




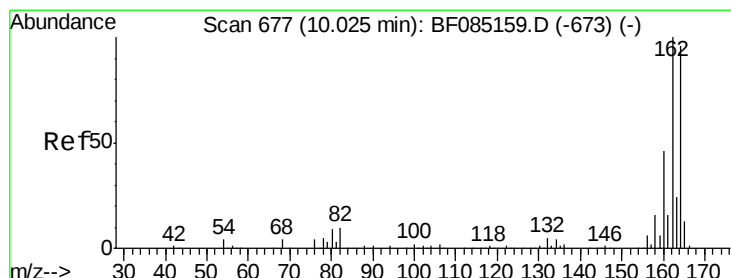
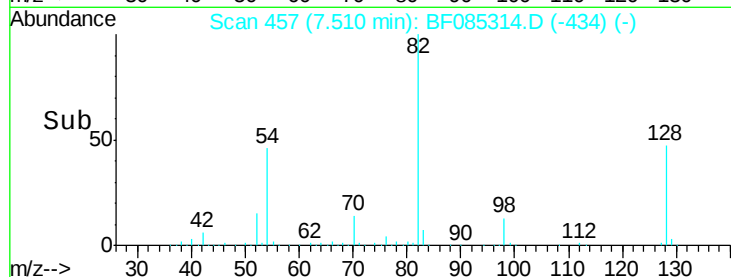
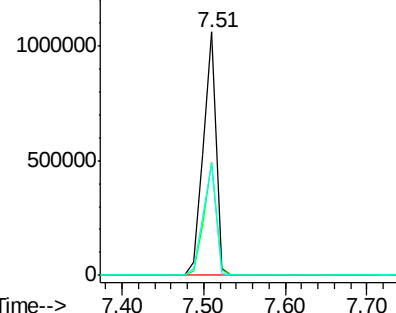
#23  
 Nitrobenzene-d5  
 Concen: 84.42 ng  
 RT: 7.51 min Scan# 457  
 Delta R.T. -0.03 min  
 Lab File: BF085314.D  
 Acq: 9 Mar 2016 22:32

Instrument :  
 BNA\_F  
 ClientSampled :  
 UST-SW-SE

Tgt Ion: 82 Resp: 1150447  
 Ion Ratio Lower Upper  
 82 100  
 128 46.5 34.5 51.7  
 54 46.1 39.3 58.9

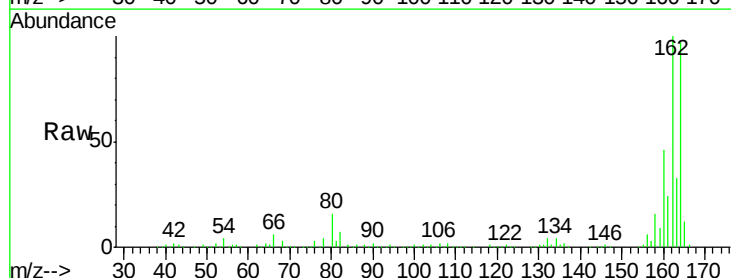


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

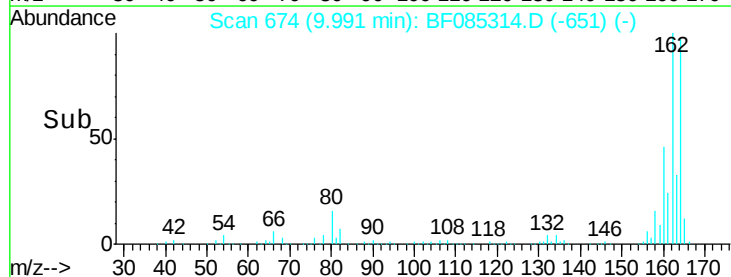
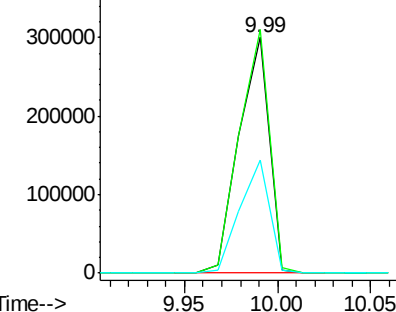


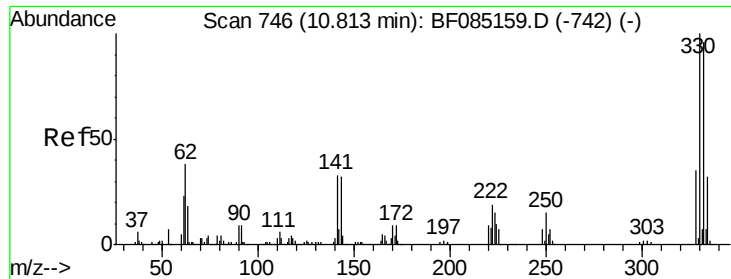
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.99 min Scan# 674  
 Delta R.T. -0.03 min  
 Lab File: BF085314.D  
 Acq: 9 Mar 2016 22:32

Tgt Ion: 164 Resp: 335373  
 Ion Ratio Lower Upper  
 164 100  
 162 103.3 83.3 124.9  
 160 48.0 37.9 56.9



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

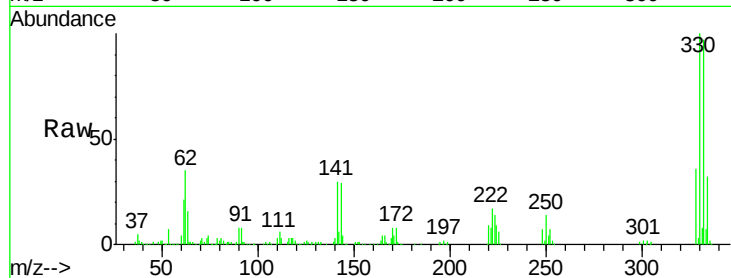




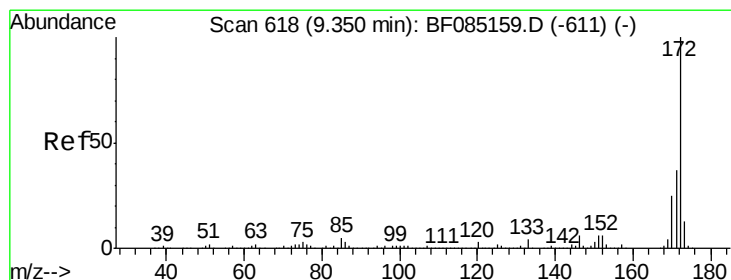
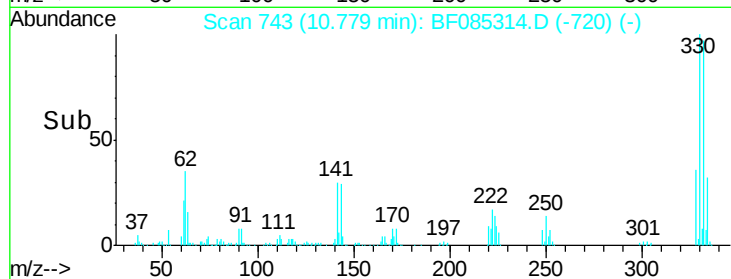
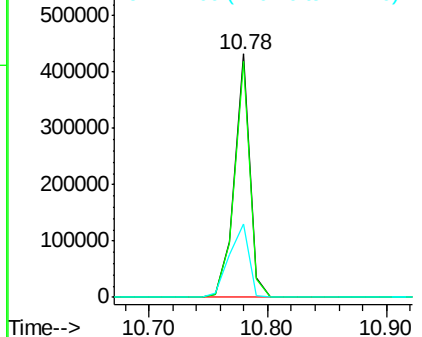
#41  
 2,4,6-Tribromophenol  
 Concen: 137.23 ng  
 RT: 10.78 min Scan# 743  
 Delta R.T. -0.03 min  
 Lab File: BF085314.D  
 Acq: 9 Mar 2016 22:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 UST-SW-SE

Tgt Ion:330 Resp: 393804  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 77.1 115.7  
 141 37.7 35.0 52.6

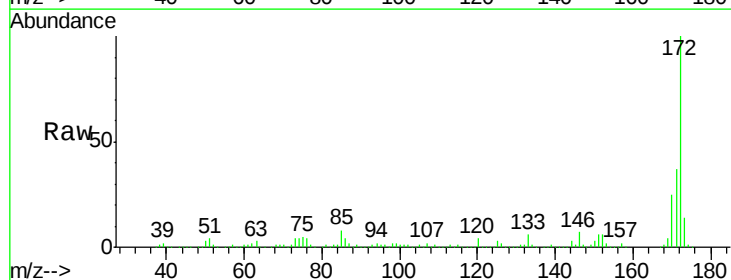


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

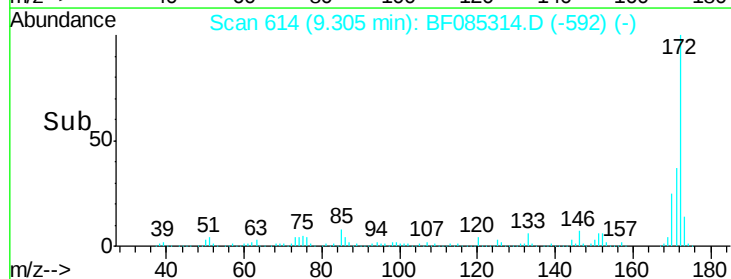
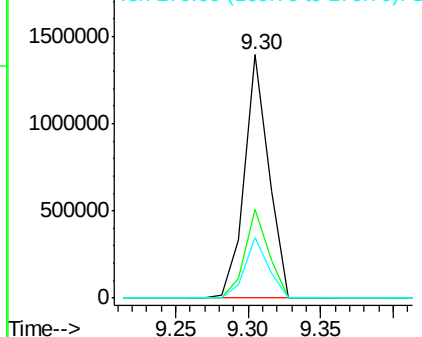


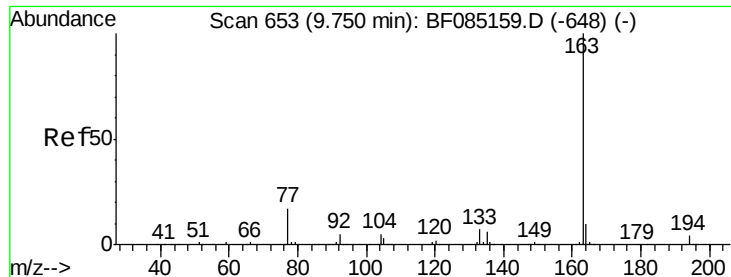
#44  
 2-Fluorobiphenyl  
 Concen: 73.26 ng  
 RT: 9.30 min Scan# 614  
 Delta R.T. -0.05 min  
 Lab File: BF085314.D  
 Acq: 9 Mar 2016 22:32

Tgt Ion:172 Resp: 1615564  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 29.3 43.9  
 170 24.7 20.0 30.0



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

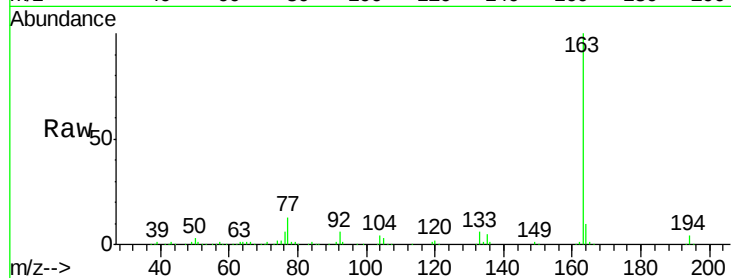




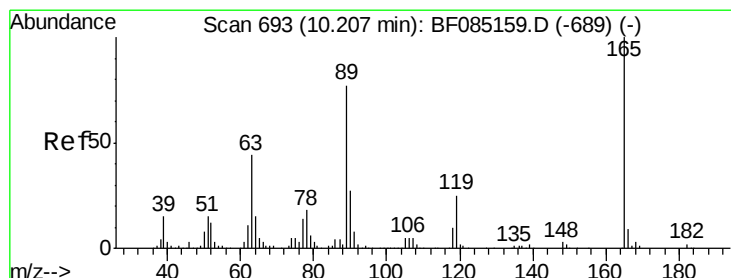
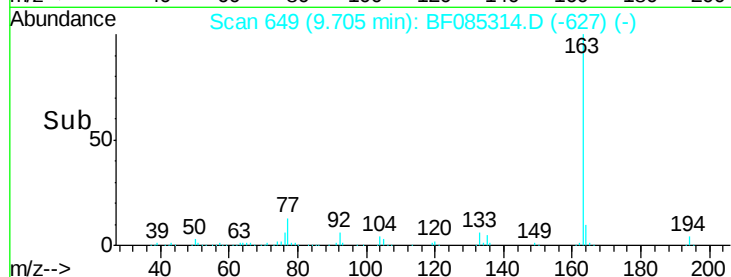
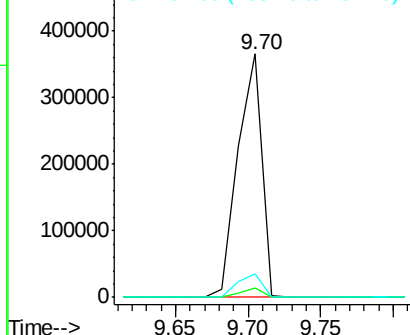
#49  
Dimethylphthalate  
Concen: 16.24 ng  
RT: 9.70 min Scan# 649  
Delta R.T. -0.05 min  
Lab File: BF085314.D  
Acq: 9 Mar 2016 22:32

Instrument :  
BNA\_F  
ClientSampleId :  
UST-SW-SE

Tgt Ion:163 Resp: 418113  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.1 4.7  
164 9.6 8.2 12.4

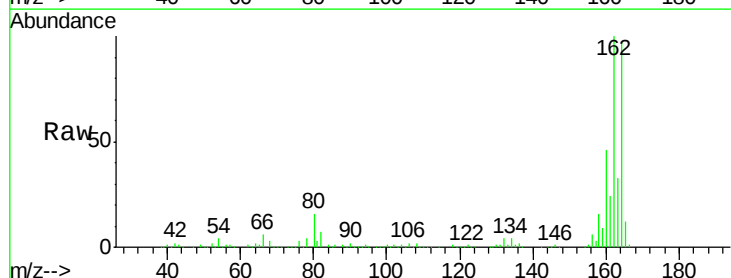


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

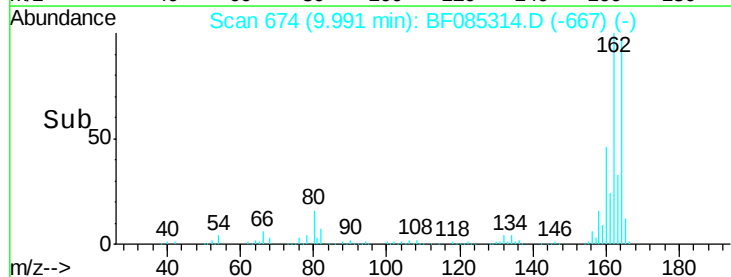
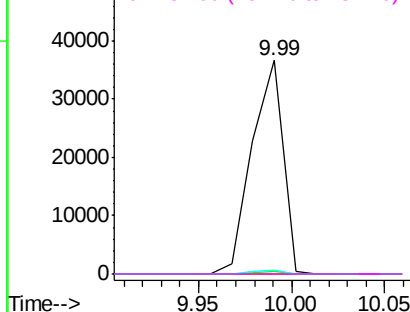


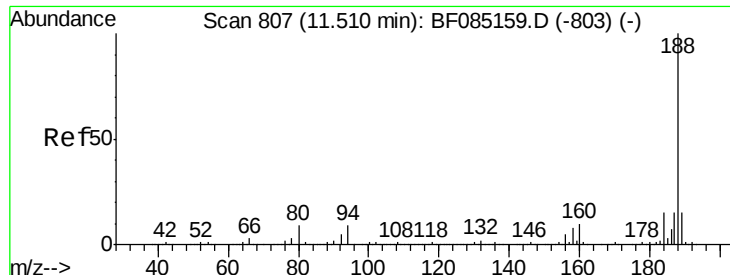
#56  
2,4-Dinitrotoluene  
Concen: 6.00 ng  
RT: 9.99 min Scan# 674  
Delta R.T. -0.22 min  
Lab File: BF085314.D  
Acq: 9 Mar 2016 22:32

Tgt Ion:165 Resp: 42278  
Ion Ratio Lower Upper  
165 100  
63 1.4 35.4 53.0#  
89 1.7 61.9 92.9#  
182 0.0 1.9 2.9#



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

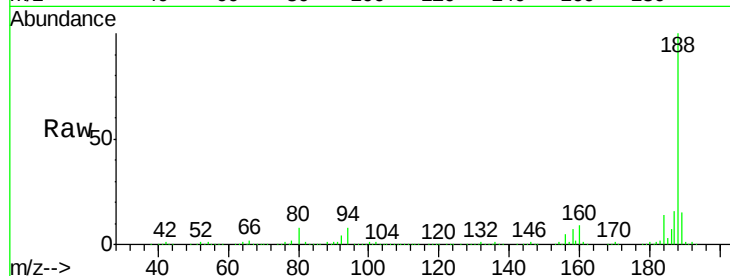




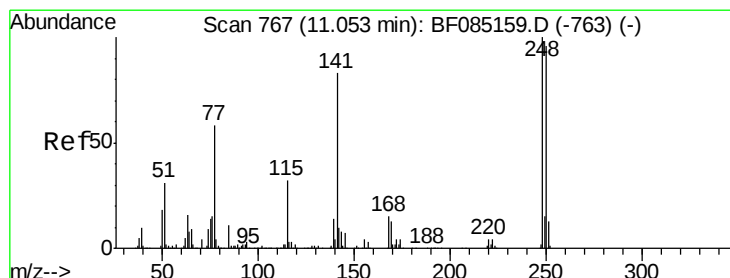
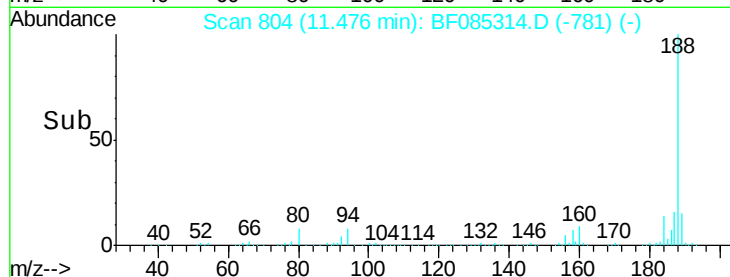
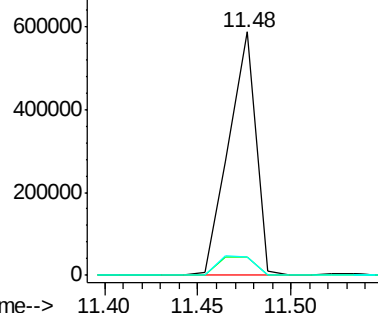
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.48 min Scan# 804  
Delta R.T. -0.03 min  
Lab File: BF085314.D  
Acq: 9 Mar 2016 22:32

Instrument :  
BNA\_F  
ClientSampleId :  
UST-SW-SE

Tgt Ion:188 Resp: 603596  
Ion Ratio Lower Upper  
188 100  
94 7.6 7.0 10.6  
80 7.8 7.4 11.0

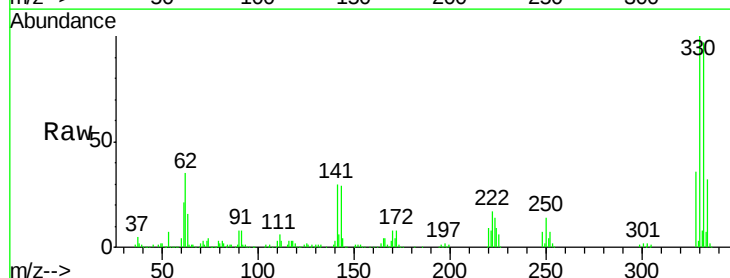


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

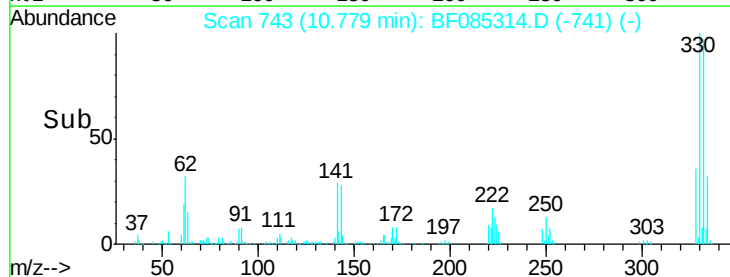
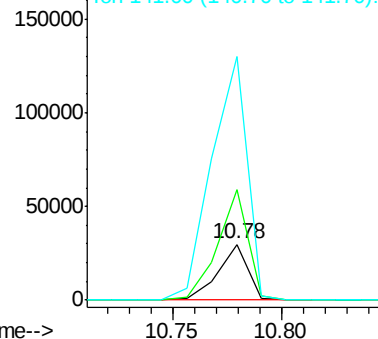


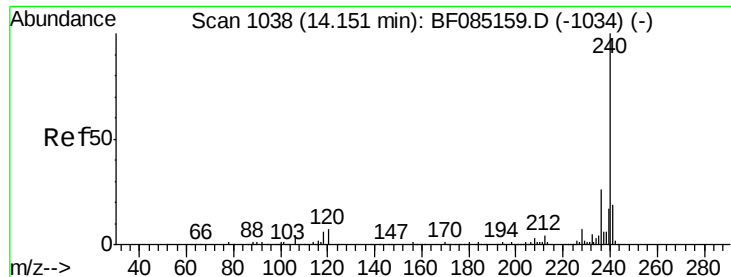
#66  
4-Bromophenyl-phenylether  
Concen: 4.80 ng  
RT: 10.78 min Scan# 743  
Delta R.T. -0.27 min  
Lab File: BF085314.D  
Acq: 9 Mar 2016 22:32

Tgt Ion:248 Resp: 28153  
Ion Ratio Lower Upper  
248 100  
250 199.0 77.1 115.7#  
141 438.6 66.2 99.2#



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: 14.11 min Scan# 1034

Delta R.T. -0.05 min

Lab File: BF085314.D

Acq: 9 Mar 2016 22:32

Instrument :

BNA\_F

ClientSampleId :

UST-SW-SE

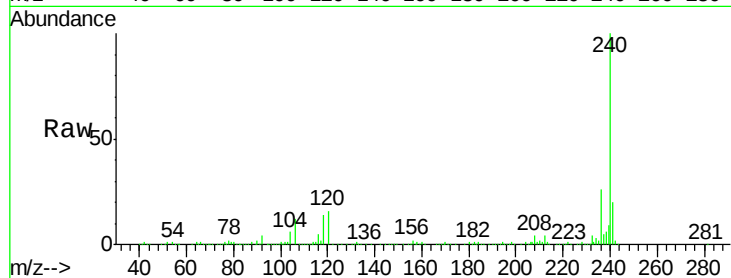
Tgt Ion:240 Resp: 357058

Ion Ratio Lower Upper

240 100

120 16.4 5.3 7.9#

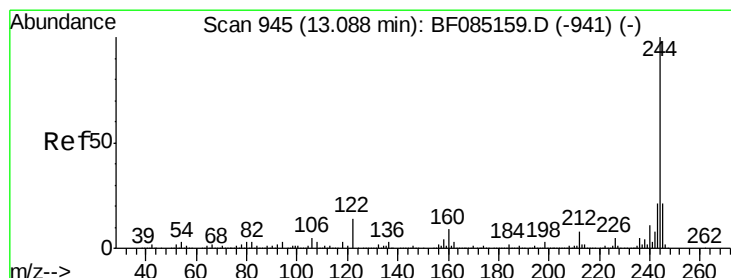
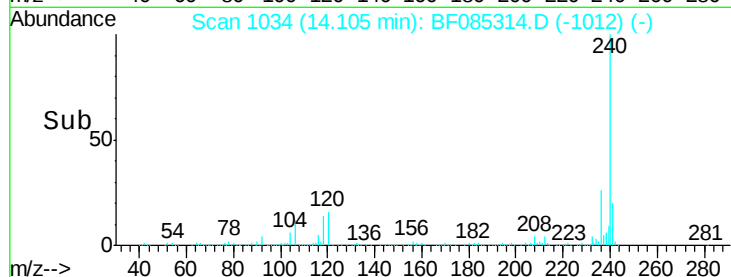
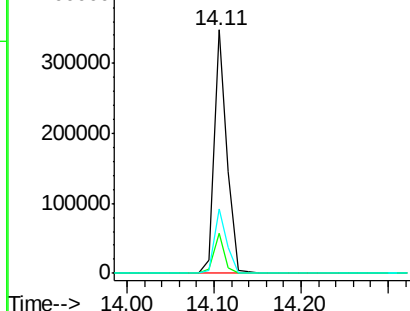
236 26.4 20.7 31.1



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: 91.01 ng

RT: 13.07 min Scan# 943

Delta R.T. -0.02 min

Lab File: BF085314.D

Acq: 9 Mar 2016 22:32

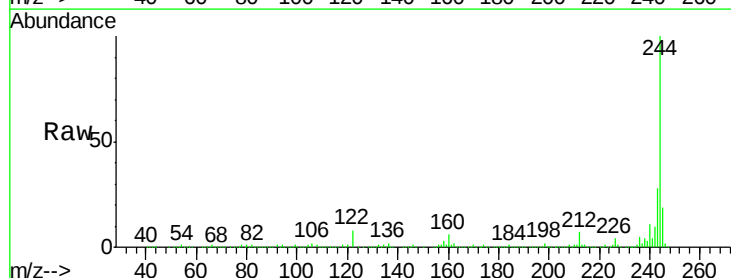
Tgt Ion:244 Resp: 1399860

Ion Ratio Lower Upper

244 100

212 6.8 6.4 9.6

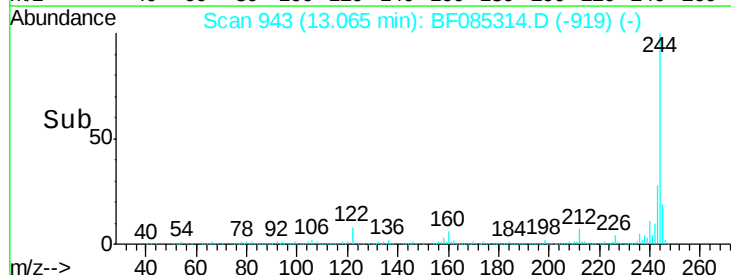
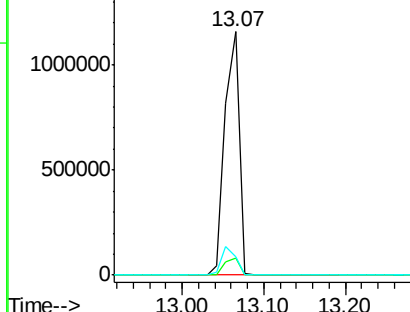
122 7.7 11.4 17.2#

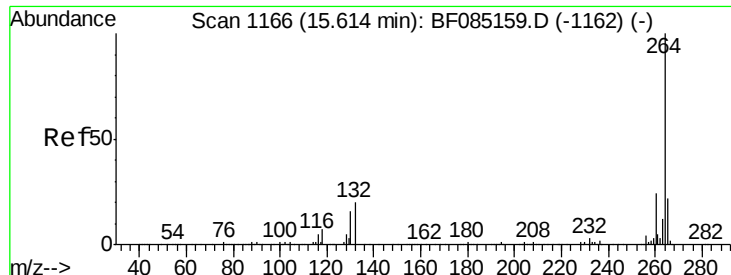


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

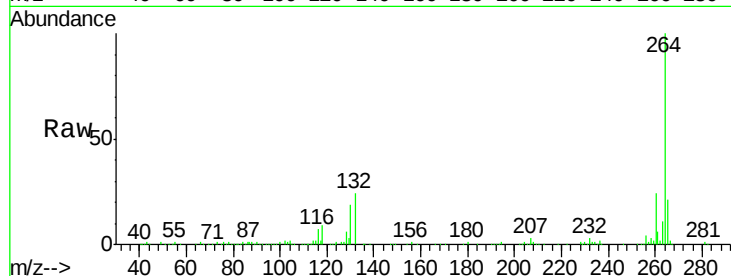




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.57 min Scan# 1162  
Delta R.T. -0.05 min  
Lab File: BF085314.D  
Acq: 9 Mar 2016 22:32

Instrument :  
BNA\_F  
ClientSampleId :  
UST-SW-SE

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.2  | 28.8  |
| 265     | 21.4  | 17.3  | 25.9  |



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

