

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF033116\  
 Data File : BF085948.D  
 Acq On : 1 Apr 2016 1:08  
 Operator : UM/SJ  
 Sample : H2010-04  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AMBOY-SB26COMP0.5-15.0

Quant Time: Apr 01 00:35:22 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 30 12:31:18 2016  
 Response via : Initial Calibration

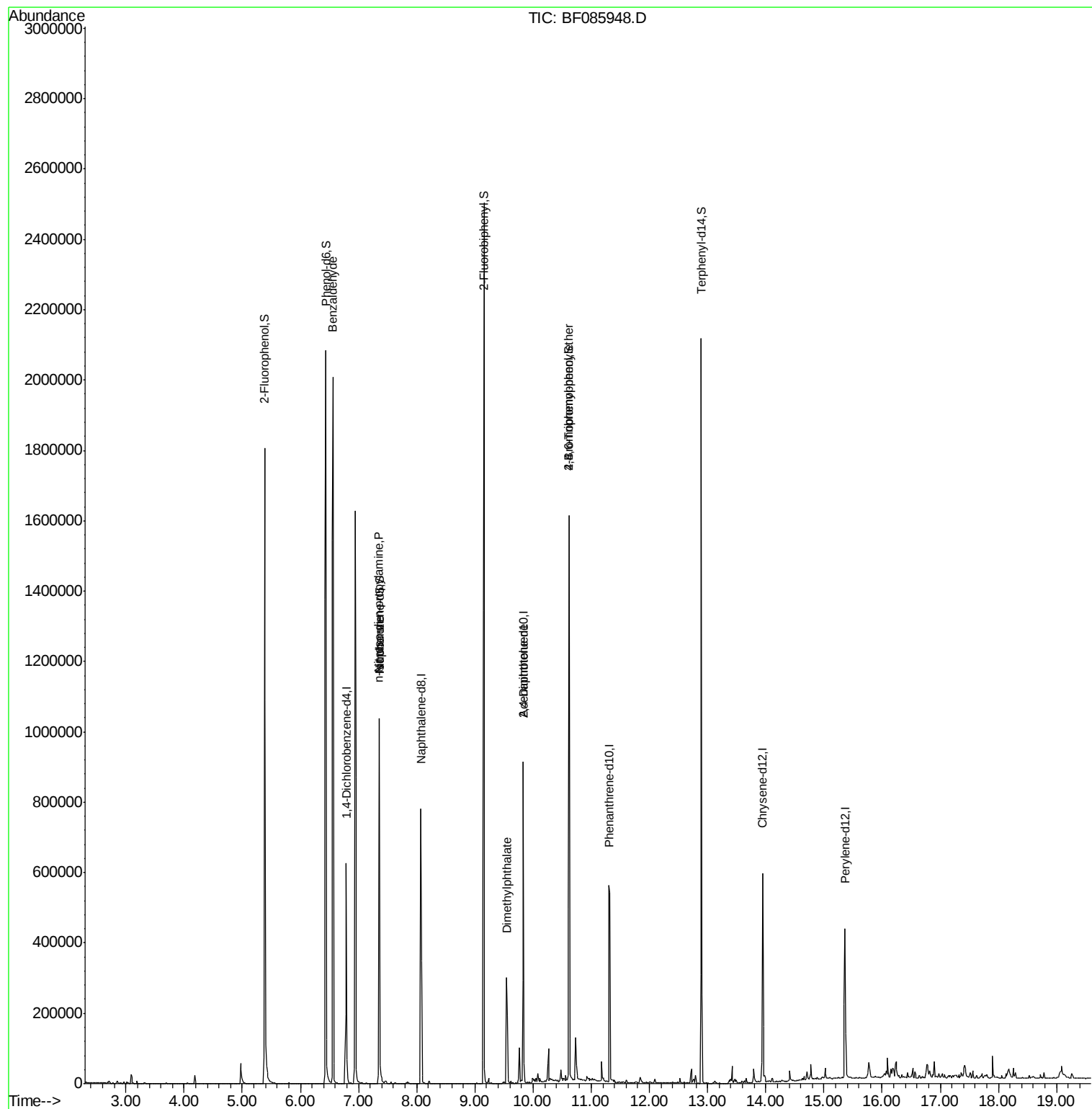
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.79  | 152  | 106260   | 20.00  | ng    | -0.01     |
| 21) Naphthalene-d8             | 8.07  | 136  | 416536   | 20.00  | ng    | -0.02     |
| 38) Acenaphthene-d10           | 9.83  | 164  | 187025   | 20.00  | ng    | -0.01     |
| 63) Phenanthrene-d10           | 11.32 | 188  | 310290   | 20.00  | ng    | -0.01     |
| 75) Chrysene-d12               | 13.95 | 240  | 197947   | 20.00  | ng    | -0.02     |
| 86) Perylene-d12               | 15.36 | 264  | 190761   | 20.00  | ng    | -0.01     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.38  | 112  | 704973   | 110.49 | ng    | -0.01     |
| 7) Phenol-d6                   | 6.44  | 99   | 995959   | 122.77 | ng    | -0.01     |
| 23) Nitrobenzene-d5            | 7.36  | 82   | 539813   | 72.98  | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol       | 10.62 | 330  | 193184   | 108.72 | ng    | -0.01     |
| 44) 2-Fluorobiphenyl           | 9.16  | 172  | 942599   | 84.21  | ng    | -0.01     |
| 78) Terphenyl-d14              | 12.89 | 244  | 600156   | 62.35  | ng    | -0.01     |
| Target Compounds               |       |      |          |        |       |           |
| 9) Benzaldehyde                | 6.56  | 77   | 16645    | 3.41   | ng    | Qvalue 89 |
| 19) n-Nitroso-di-n-propylamine | 7.35  | 70   | 69467    | 14.30  | ng    | # 80      |
| 25) Isophorone                 | 7.36  | 82   | 527207   | 37.00  | ng    | # 68      |
| 49) Dimethylphthalate          | 9.54  | 163  | 154733   | 10.90  | ng    | 99        |
| 56) 2,4-Dinitrotoluene         | 9.83  | 165  | 23538    | 6.06   | ng    | # 36      |
| 66) 4-Bromophenyl-phenylether  | 10.62 | 248  | 13309    | 4.19   | ng    | # 1       |

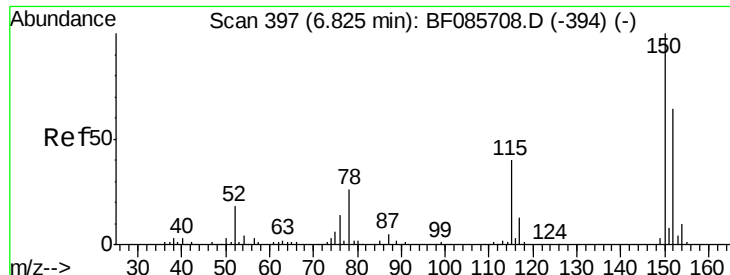
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF085948.D

Acq: 1 Apr 2016 1:08

Instrument :

BNA\_F

ClientSampleId :

AMBOY-SB26COMP0.5-15.0

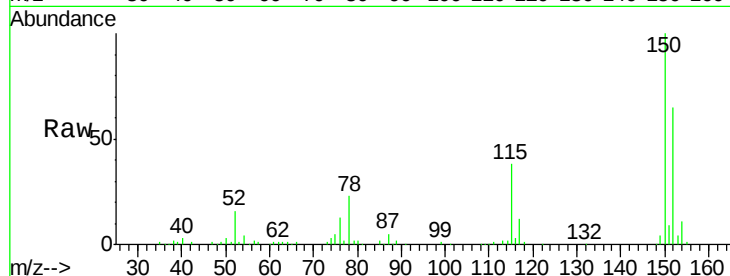
Tgt Ion:152 Resp: 106260

Ion Ratio Lower Upper

152 100

150 153.0 124.2 186.2

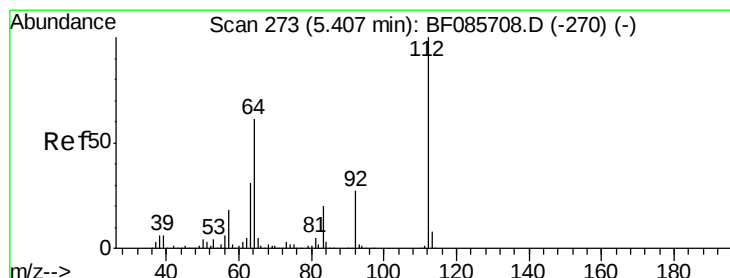
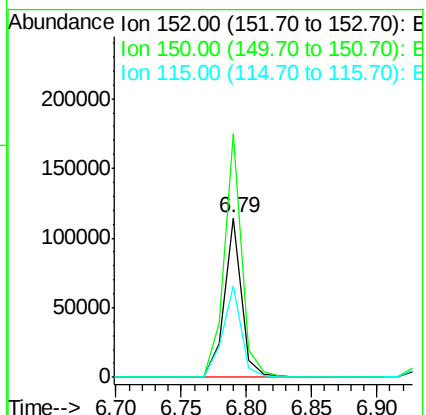
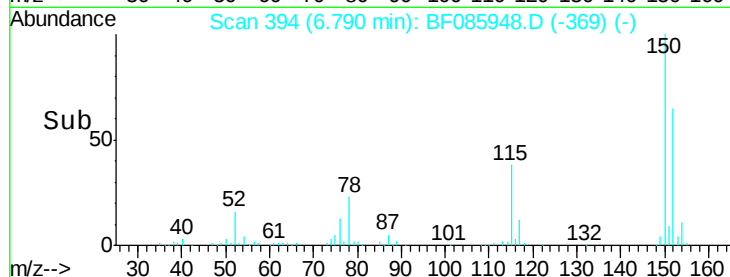
115 57.4 47.0 70.6



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: 110.49 ng

RT: 5.38 min Scan# 271

Delta R.T. -0.01 min

Lab File: BF085948.D

Acq: 1 Apr 2016 1:08

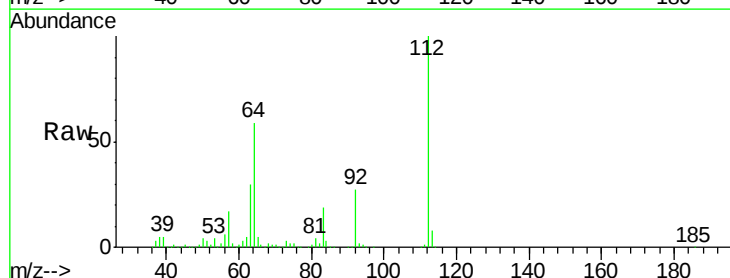
Tgt Ion:112 Resp: 704973

Ion Ratio Lower Upper

112 100

64 58.5 39.9 59.9

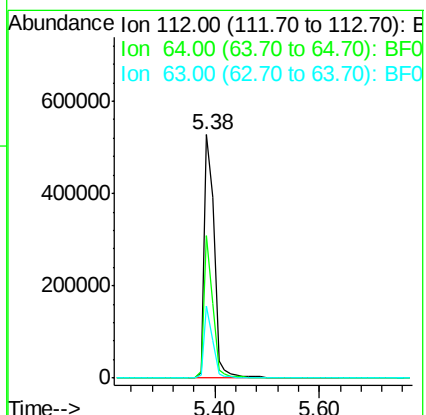
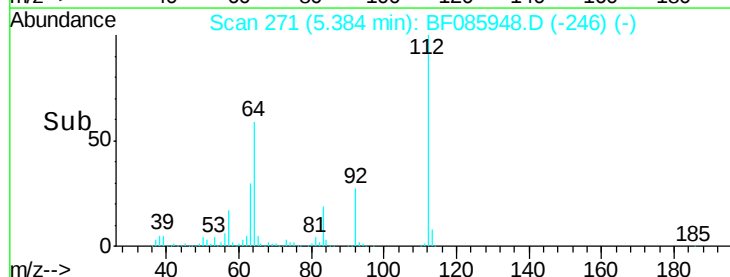
63 29.7 20.2 30.2



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: 122.77 ng

RT: 6.44 min Scan# 363

Delta R.T. -0.01 min

Lab File: BF085948.D

Acq: 1 Apr 2016 1:08

Instrument :

BNA\_F

ClientSampleId :

AMBOY-SB26COMP0.5-15.0

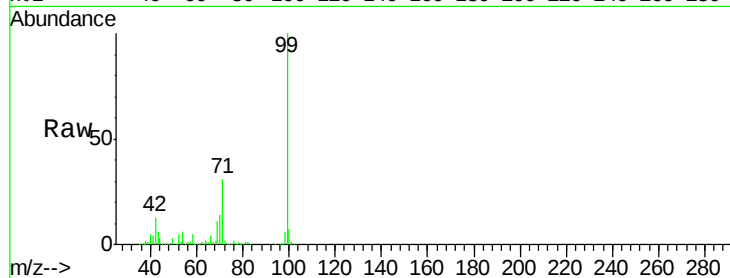
Tgt Ion: 99 Resp: 995959

Ion Ratio Lower Upper

99 100

42 13.0 11.1 16.7

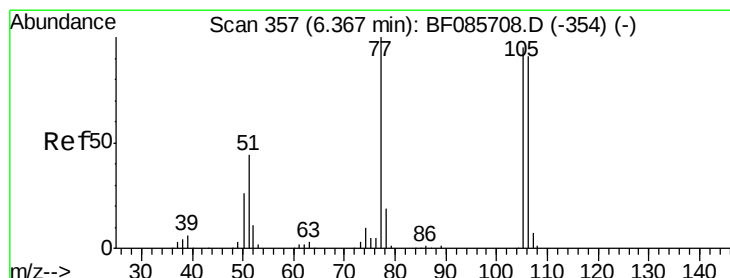
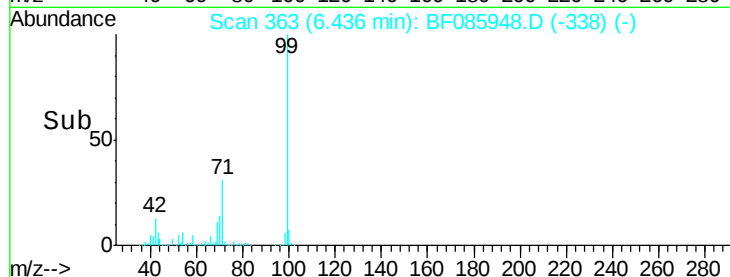
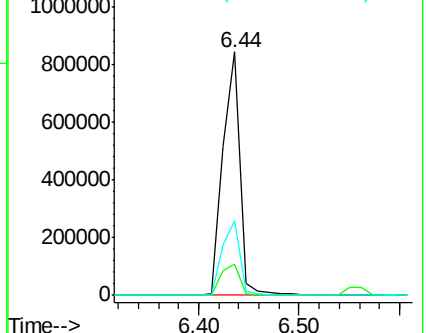
71 30.6 24.9 37.3



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: 3.41 ng

RT: 6.56 min Scan# 374

Delta R.T. 0.22 min

Lab File: BF085948.D

Acq: 1 Apr 2016 1:08

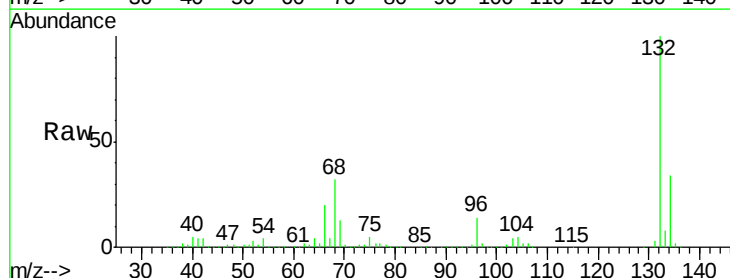
Tgt Ion: 77 Resp: 16645

Ion Ratio Lower Upper

77 100

105 88.8 80.1 120.1

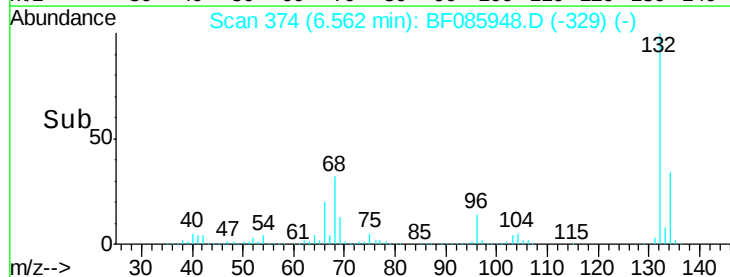
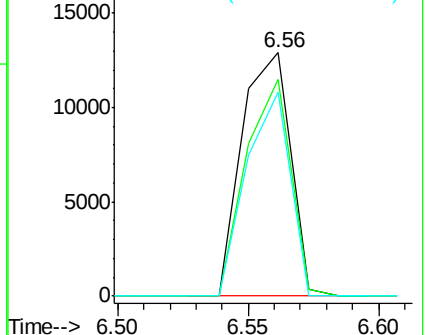
106 84.0 75.0 115.0

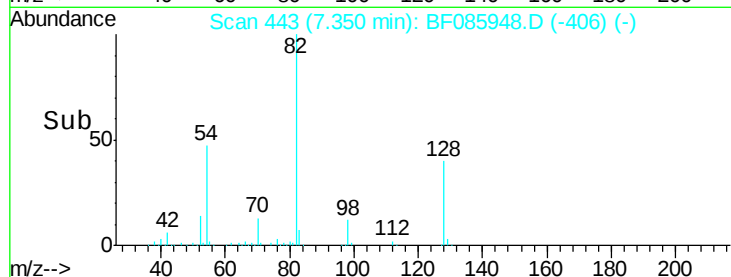
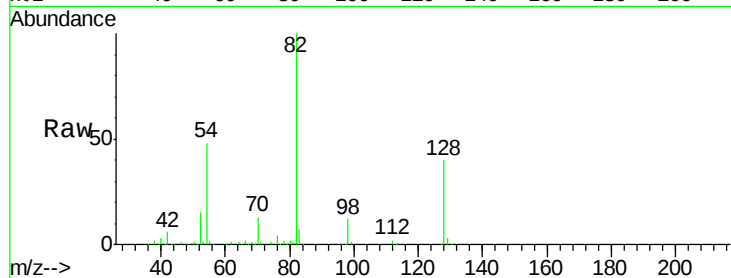
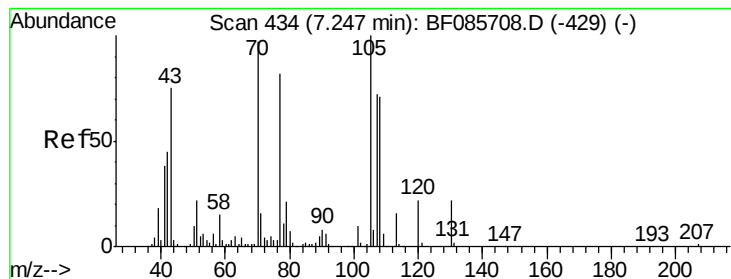


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 14.30 ng

RT: 7.35 min Scan# 443

Delta R.T. 0.13 min

Lab File: BF085948.D

Acq: 1 Apr 2016 1:08

Instrument :

BNA\_F

ClientSampleId :

AMBOY-SB26COMP0.5-15.0

Tgt Ion: 70 Resp: 69467

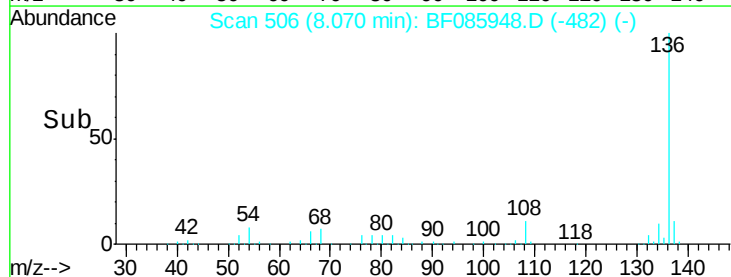
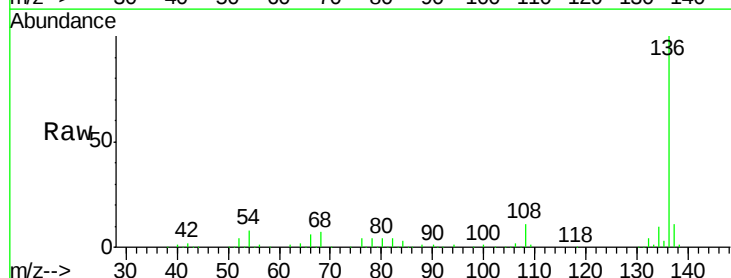
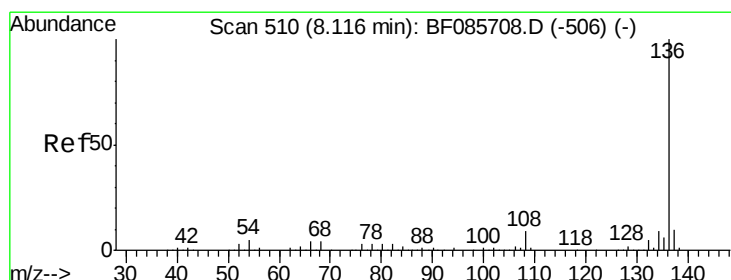
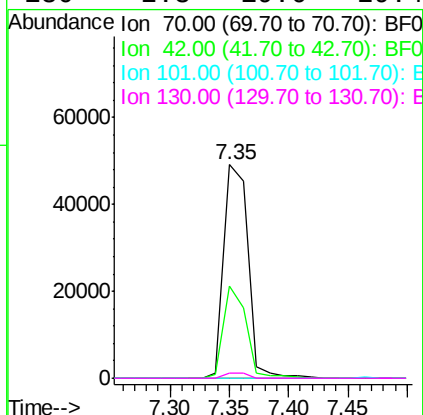
Ion Ratio Lower Upper

70 100

42 43.4 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: 8.07 min Scan# 506

Delta R.T. -0.02 min

Lab File: BF085948.D

Acq: 1 Apr 2016 1:08

Tgt Ion: 136 Resp: 416536

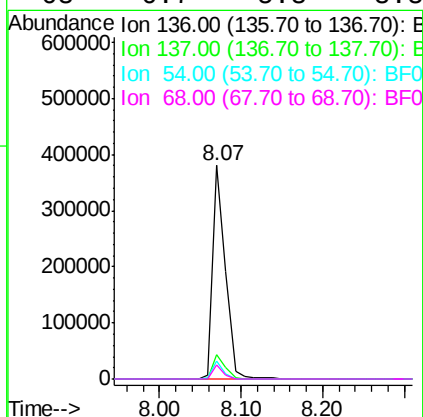
Ion Ratio Lower Upper

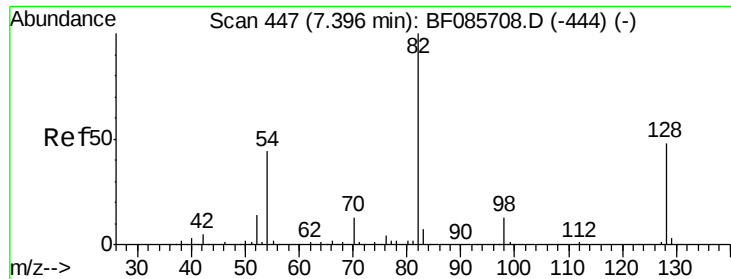
136 100

137 11.1 9.1 13.7

54 8.2 7.4 11.0

68 6.7 5.8 8.8

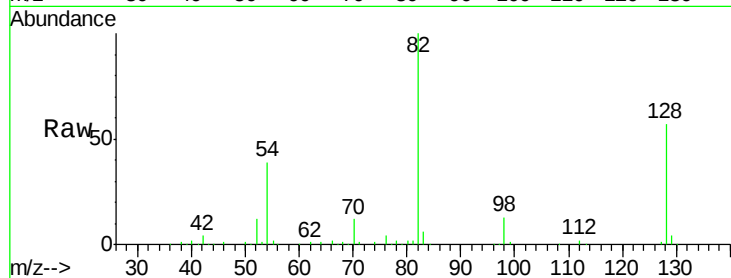




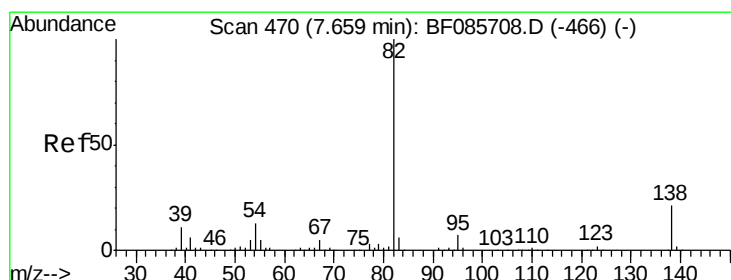
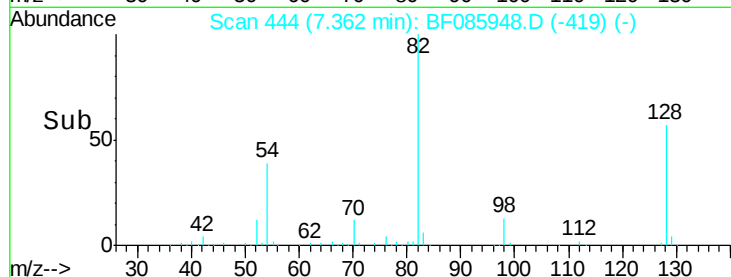
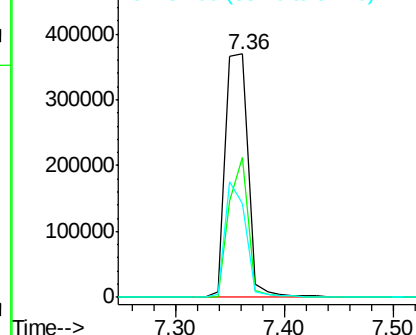
#23  
 Nitrobenzene-d5  
 Concen: 72.98 ng  
 RT: 7.36 min Scan# 444  
 Delta R.T. -0.01 min  
 Lab File: BF085948.D  
 Acq: 1 Apr 2016 1:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AMBOY-SB26COMP0.5-15.0

Tgt Ion: 82 Resp: 539813  
 Ion Ratio Lower Upper  
 82 100  
 128 57.5 41.8 62.8  
 54 38.8 33.4 50.0

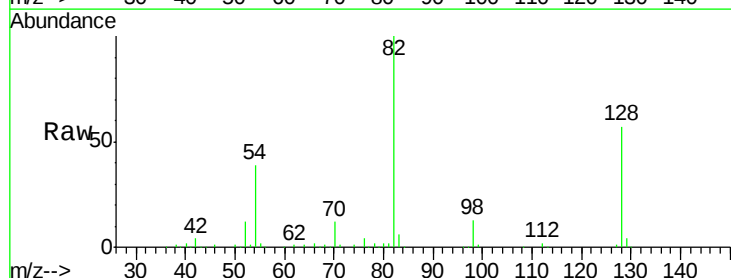


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

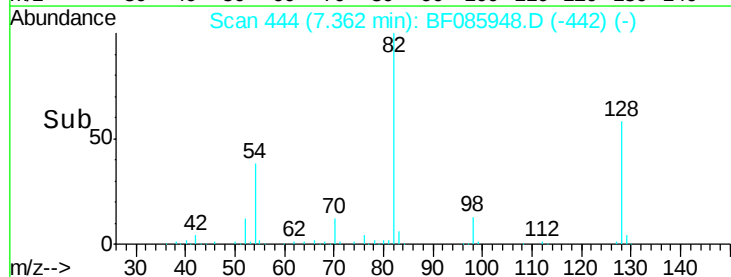
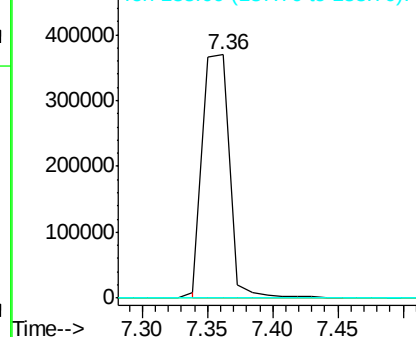


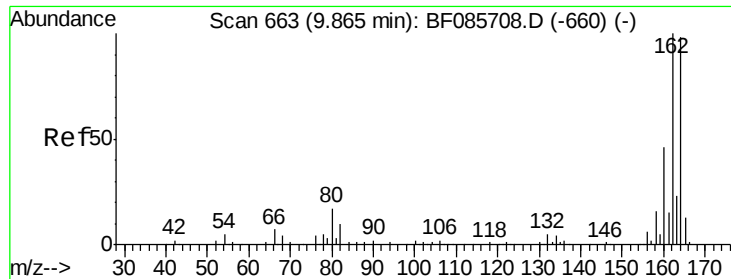
#25  
 Isophorone  
 Concen: 37.00 ng  
 RT: 7.36 min Scan# 444  
 Delta R.T. -0.27 min  
 Lab File: BF085948.D  
 Acq: 1 Apr 2016 1:08

Tgt Ion: 82 Resp: 527207  
 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

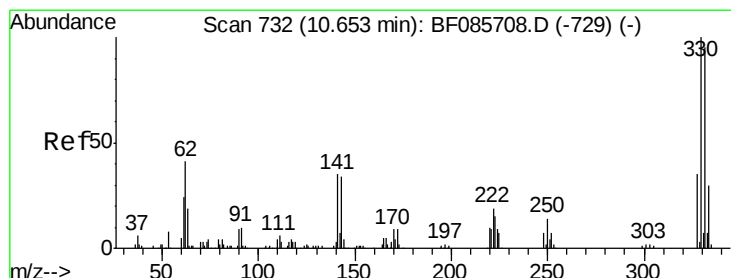
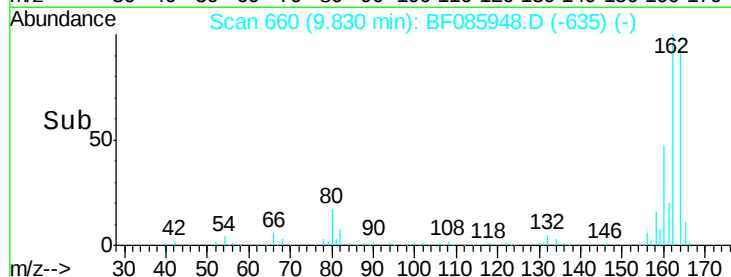
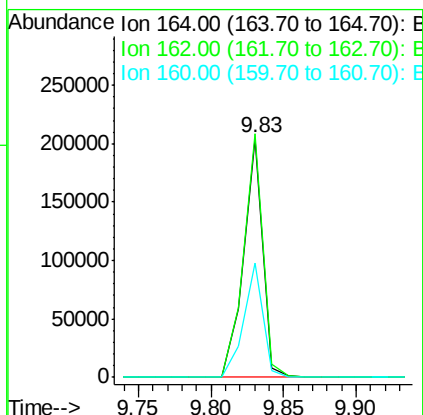
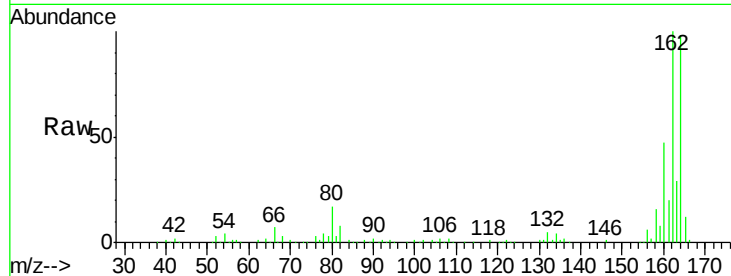




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.83 min Scan# 660  
 Delta R.T. -0.01 min  
 Lab File: BF085948.D  
 Acq: 1 Apr 2016 1:08

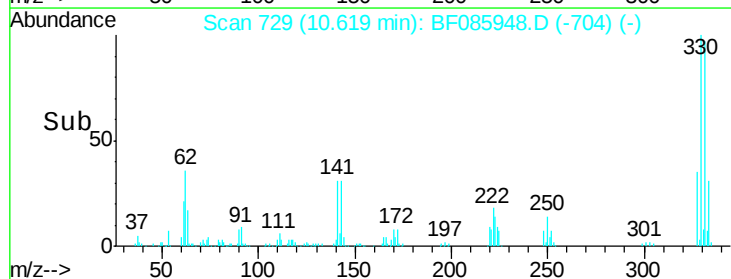
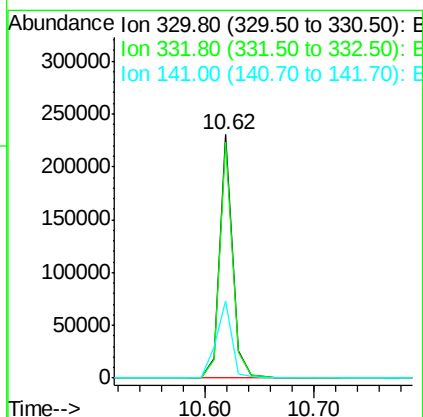
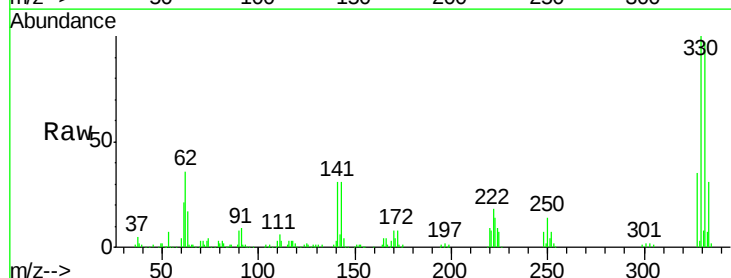
Instrument :  
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 AMBOY-SB26COMP0.5-15.0

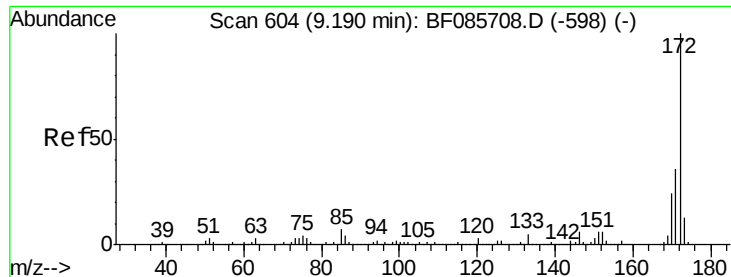
Tgt Ion:164 Resp: 187025  
 Ion Ratio Lower Upper  
 164 100  
 162 102.0 82.1 123.1  
 160 48.0 37.4 56.2



#41  
 2,4,6-Tribromophenol  
 Concen: 108.72 ng  
 RT: 10.62 min Scan# 729  
 Delta R.T. -0.01 min  
 Lab File: BF085948.D  
 Acq: 1 Apr 2016 1:08

Tgt Ion:330 Resp: 193184  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 78.2 117.2  
 141 38.4 31.5 47.3

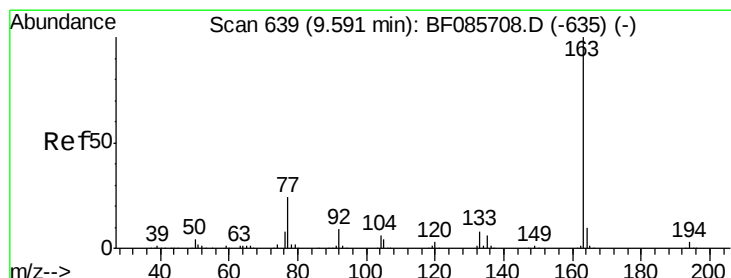
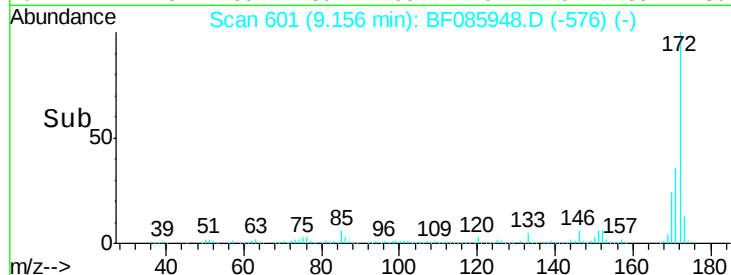
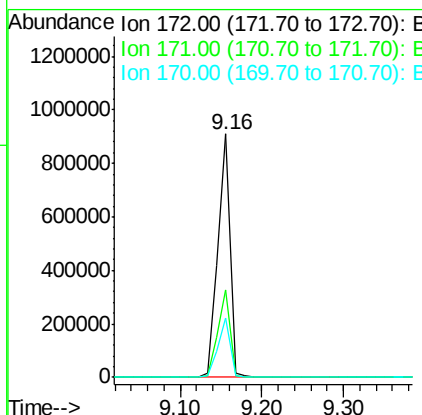
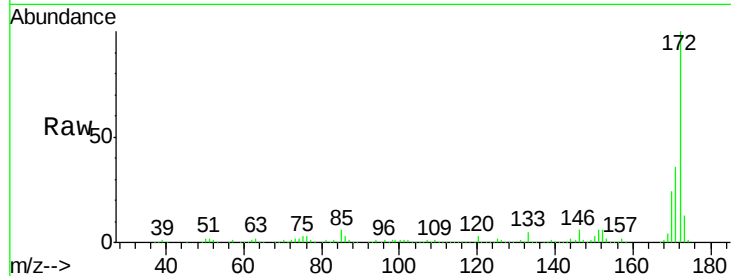




#44  
 2-Fluorobiphenyl  
 Concen: 84.21 ng  
 RT: 9.16 min Scan# 601  
 Delta R.T. -0.01 min  
 Lab File: BF085948.D  
 Acq: 1 Apr 2016 1:08

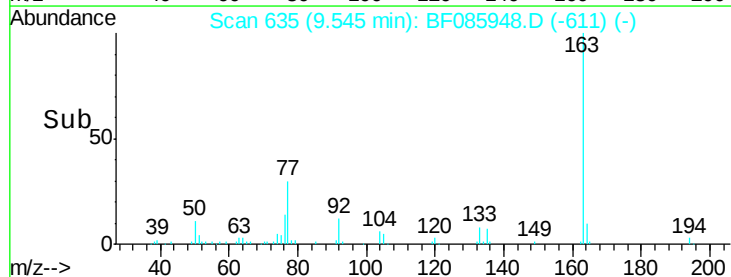
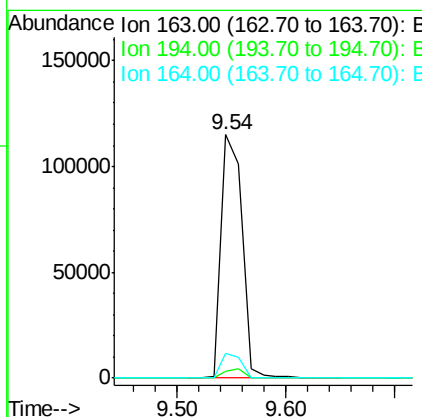
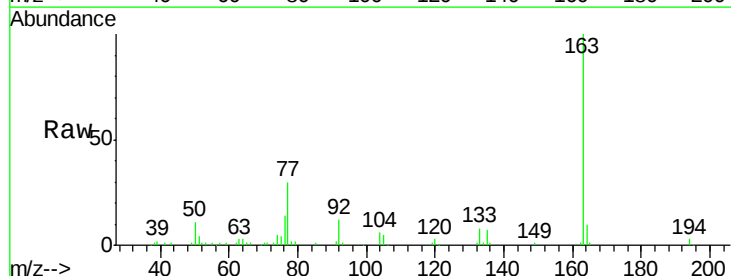
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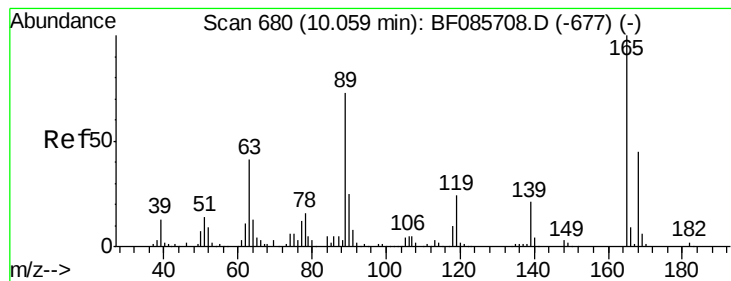
Tgt Ion:172 Resp: 942599  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 29.4 44.2  
 170 24.2 19.8 29.6



#49  
 Dimethylphthalate  
 Concen: 10.90 ng  
 RT: 9.54 min Scan# 635  
 Delta R.T. -0.02 min  
 Lab File: BF085948.D  
 Acq: 1 Apr 2016 1:08

Tgt Ion:163 Resp: 154733  
 Ion Ratio Lower Upper  
 163 100  
 194 2.9 2.9 4.3  
 164 10.4 8.3 12.5

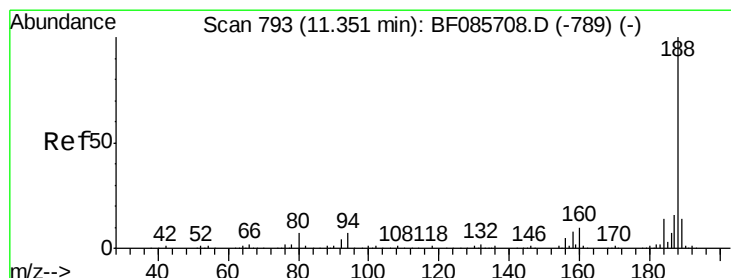
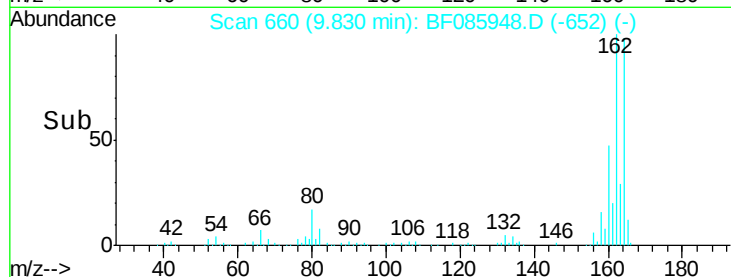
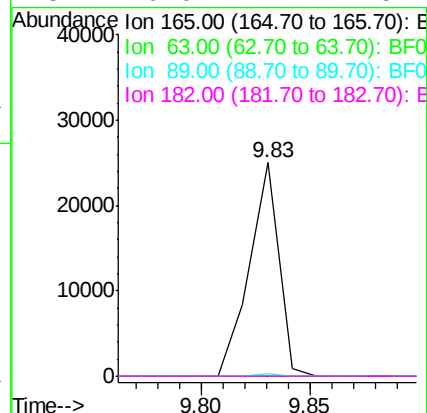
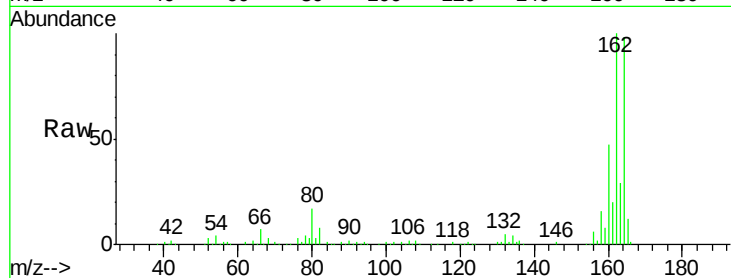




#56  
 2,4-Dinitrotoluene  
 Concen: 6.06 ng  
 RT: 9.83 min Scan# 660  
 Delta R.T. -0.21 min  
 Lab File: BF085948.D  
 Acq: 1 Apr 2016 1:08

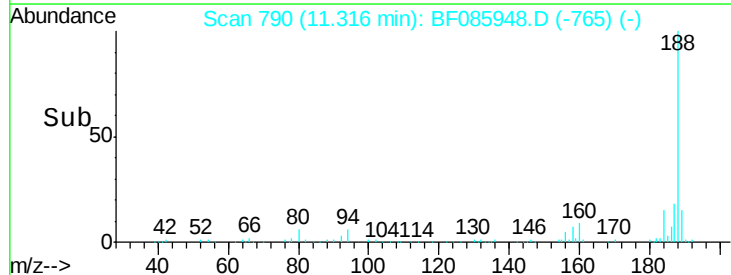
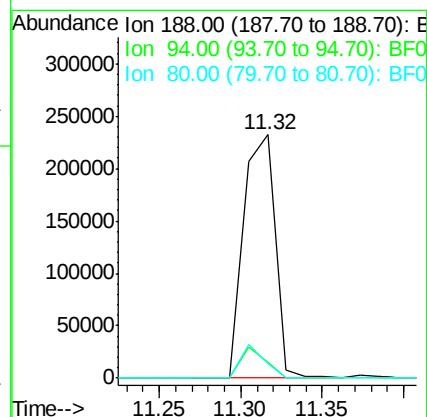
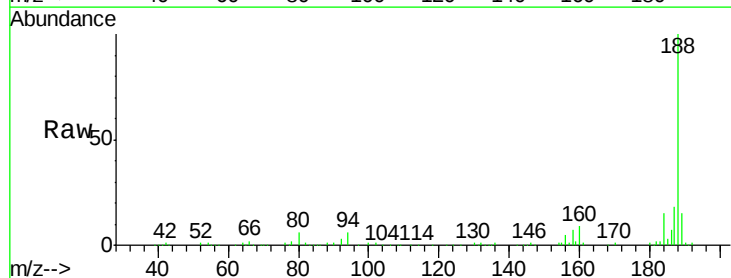
Instrument :  
 BNA\_F  
 ClientSampleId :  
 AMBOY-SB26COMP0.5-15.0

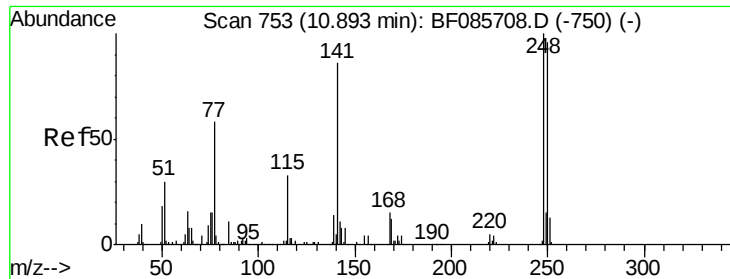
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 23538 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 0.0   | 24.9  | 37.3# |
| 89        | 1.5   | 41.0  | 61.6# |
| 182       | 0.0   | 2.1   | 3.1#  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.32 min Scan# 790  
 Delta R.T. -0.01 min  
 Lab File: BF085948.D  
 Acq: 1 Apr 2016 1:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 310290 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 6.3   | 5.4   | 8.0    |
| 80        | 6.1   | 5.5   | 8.3    |

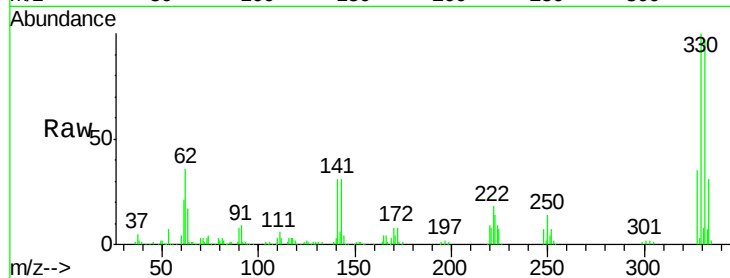




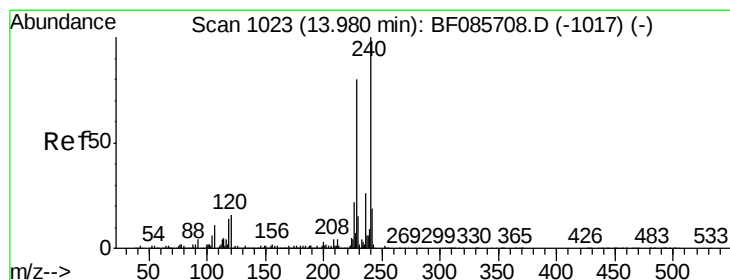
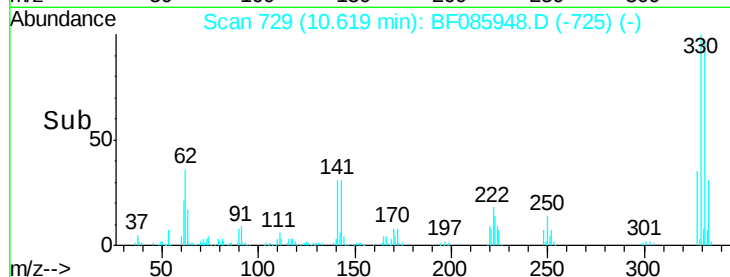
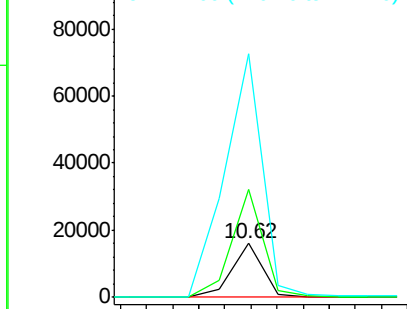
#66  
4-Bromophenyl-phenylether  
Concen: 4.19 ng  
RT: 10.62 min Scan# 729  
Delta R.T. -0.25 min  
Lab File: BF085948.D  
Acq: 1 Apr 2016 1:08

Instrument :  
BNA\_F  
ClientSampleId :  
AMBOY-SB26COMP0.5-15.0

Tgt Ion: 248 Resp: 13309  
Ion Ratio Lower Upper  
248 100  
250 200.9 77.4 116.0#  
141 451.0 63.6 95.4#

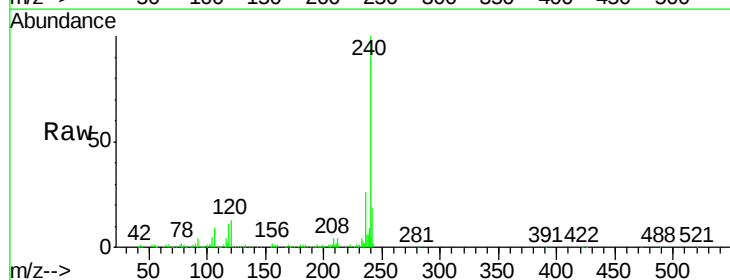


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

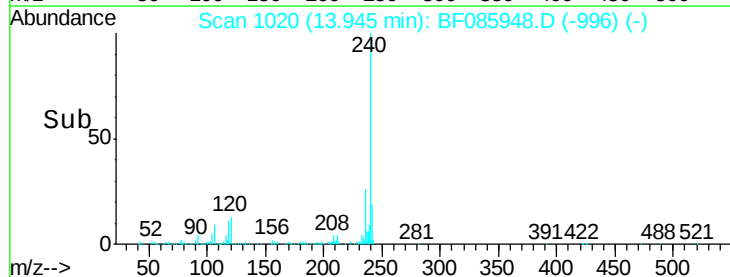
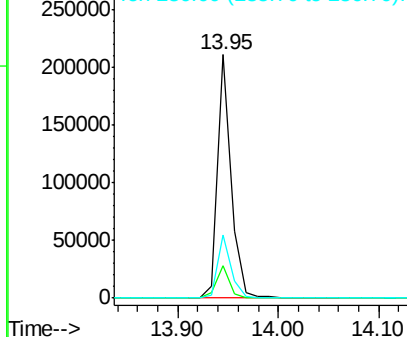


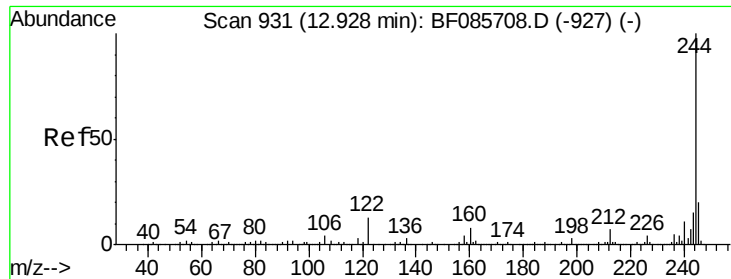
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.95 min Scan# 1020  
Delta R.T. -0.02 min  
Lab File: BF085948.D  
Acq: 1 Apr 2016 1:08

Tgt Ion: 240 Resp: 197947  
Ion Ratio Lower Upper  
240 100  
120 13.3 13.8 20.8#  
236 25.9 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

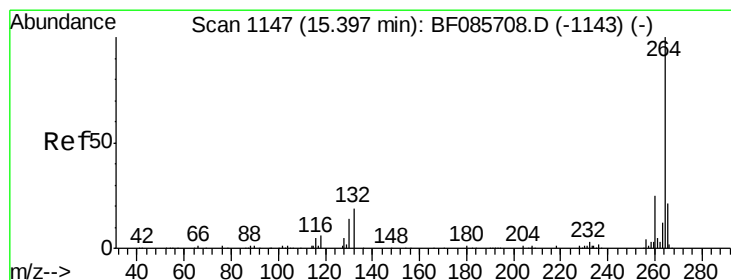
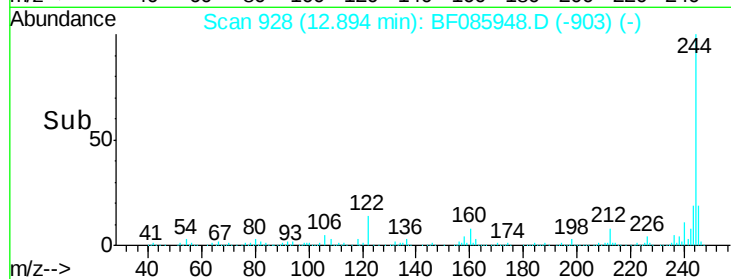
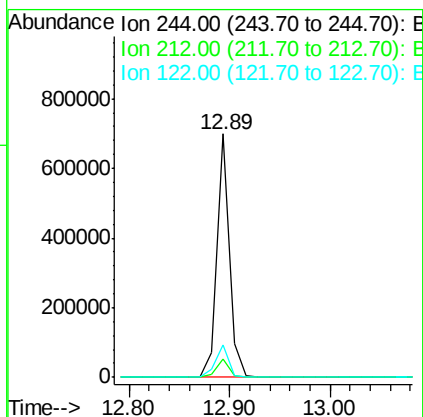
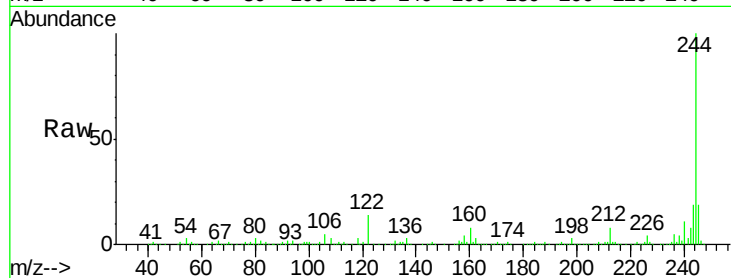




#78  
 Terphenyl-d14  
 Concen: 62.35 ng  
 RT: 12.89 min Scan# 928  
 Delta R.T. -0.01 min  
 Lab File: BF085948.D  
 Acq: 1 Apr 2016 1:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AMBOY-SB26COMP0.5-15.0

Tgt Ion: 244 Resp: 600156  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.1 9.1  
 122 13.5 10.2 15.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.36 min Scan# 1144  
 Delta R.T. -0.01 min  
 Lab File: BF085948.D  
 Acq: 1 Apr 2016 1:08

Tgt Ion: 264 Resp: 190761  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.4 29.2  
 265 21.2 17.2 25.8

