

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF040716\  
 Data File : BF086130.D  
 Acq On : 7 Apr 2016 14:19  
 Operator : UM/SJ  
 Sample : H2076-01DL 5X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC1DL

Quant Time: Apr 08 01:39:00 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 01 23:17:06 2016  
 Response via : Initial Calibration

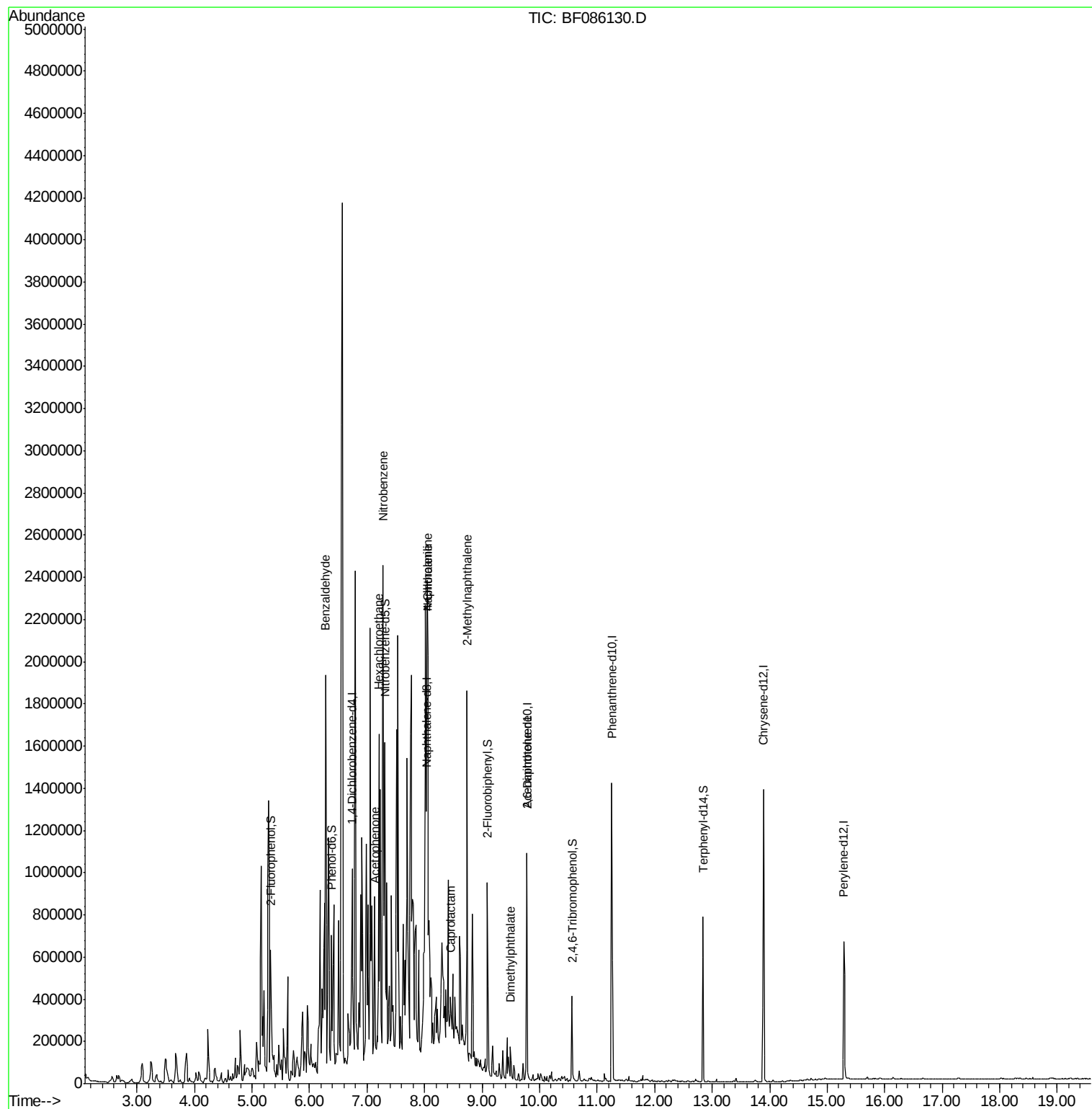
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.74  | 152  | 153299   | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8          | 8.03  | 136  | 573239   | 20.00 | ng    | -0.03    |
| 38) Acenaphthene-d10        | 9.78  | 164  | 300500   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10        | 11.25 | 188  | 562367   | 20.00 | ng    | -0.05    |
| 75) Chrysene-d12            | 13.89 | 240  | 463022   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12            | 15.29 | 264  | 320612   | 20.00 | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 238642   | 26.61 | ng    | -0.05    |
| 7) Phenol-d6                | 6.38  | 99   | 299506   | 26.29 | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.31  | 82   | 180797   | 18.60 | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 10.57 | 330  | 64231    | 22.77 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 9.09  | 172  | 324591   | 17.96 | ng    | -0.05    |
| 78) Terphenyl-d14           | 12.84 | 244  | 308924   | 15.68 | ng    | -0.03    |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 9) Benzaldehyde             | 6.28  | 77   | 112314   | 18.32 | ng    | # 1      |
| 18) Hexachloroethane        | 7.21  | 117  | 85585    | 19.92 | ng    | # 1      |
| 22) Acetophenone            | 7.14  | 105  | 277669   | 20.61 | ng    | # 53     |
| 24) Nitrobenzene            | 7.28  | 77   | 94469    | 8.88  | ng    | # 21     |
| 31) Naphthalene             | 8.05  | 128  | 1077768  | 37.38 | ng    | 100      |
| 33) 4-Chloroaniline         | 8.05  | 127  | 175713   | 15.09 | ng    | # 41     |
| 35) Caprolactam             | 8.45  | 113  | 6629     | 2.70  | ng    | # 25     |
| 37) 2-Methylnaphthalene     | 8.74  | 142  | 503441   | 26.73 | ng    | 99       |
| 49) Dimethylphthalate       | 9.49  | 163  | 60255    | 2.71  | ng    | 99       |
| 50) 2,6-Dinitrotoluene      | 9.78  | 165  | 39663    | 8.42  | ng    | # 20     |

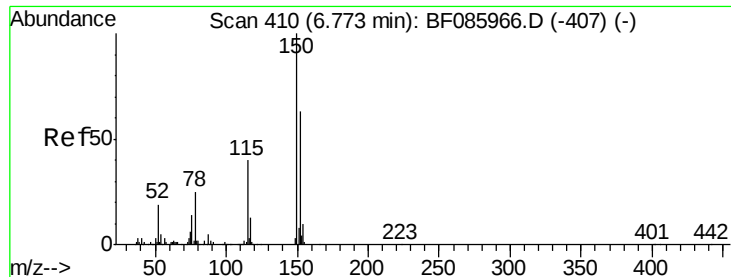
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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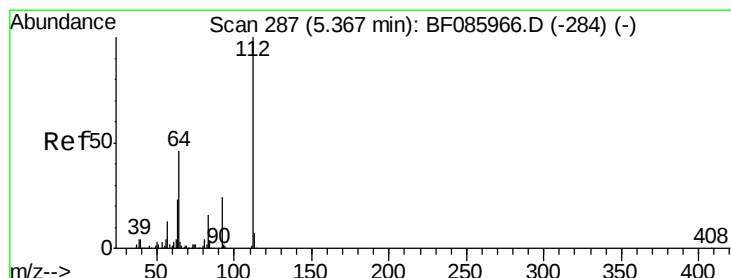
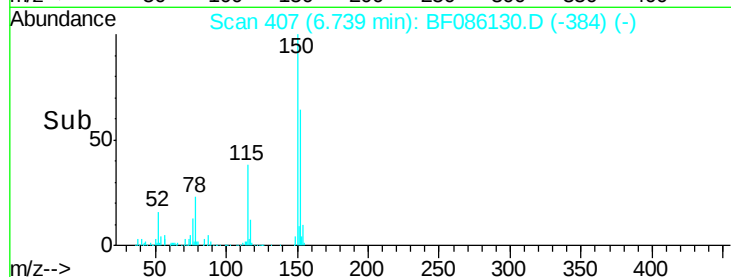
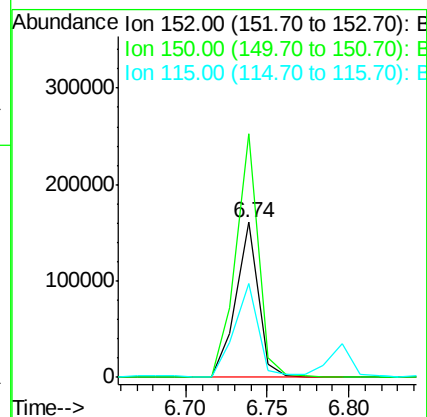
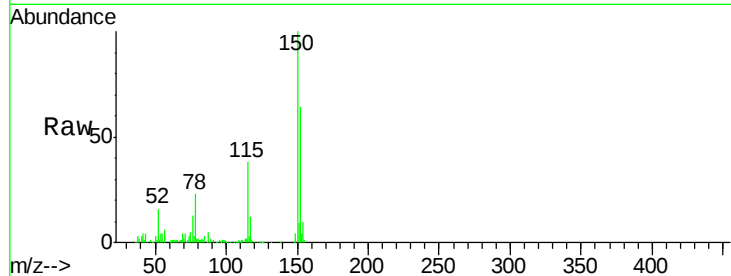


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.74 min Scan# 407  
Delta R.T. -0.03 min  
Lab File: BF086130.D  
Acq: 7 Apr 2016 14:19

Instrument :  
BNA\_F  
ClientSampleId :  
WC1DL

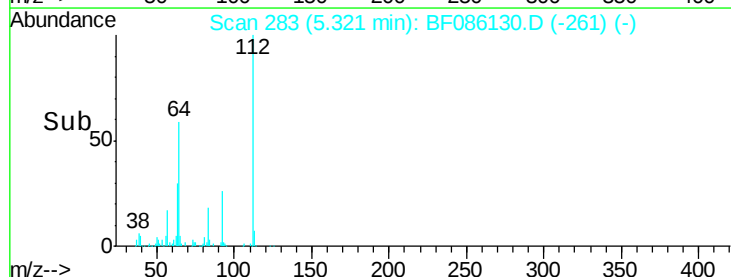
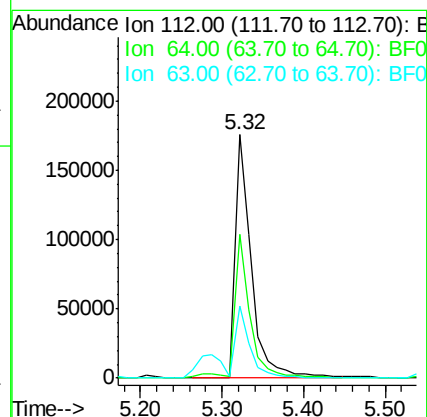
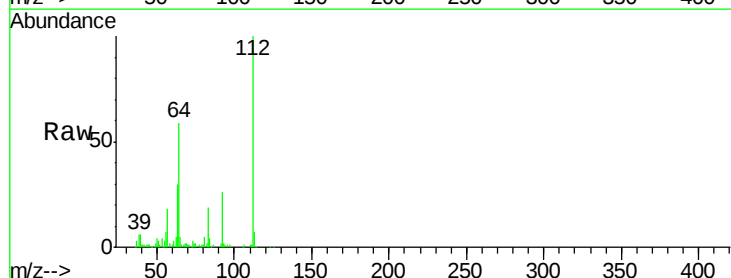
Tgt Ion:152 Resp: 153299  
Ion Ratio Lower Upper  
152 100  
150 157.1 124.2 186.2  
115 60.4 47.0 70.6

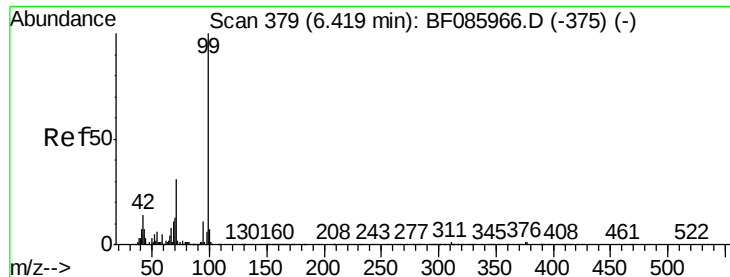


#5

2-Fluorophenol  
Concen: 26.61 ng  
RT: 5.32 min Scan# 283  
Delta R.T. -0.05 min  
Lab File: BF086130.D  
Acq: 7 Apr 2016 14:19

Tgt Ion:112 Resp: 238642  
Ion Ratio Lower Upper  
112 100  
64 59.3 39.9 59.9  
63 29.8 20.2 30.2





#7

Phenol-d6

Concen: 26.29 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086130.D

Acq: 7 Apr 2016 14:19

Instrument :

BNA\_F

ClientSampleId :

WC1DL

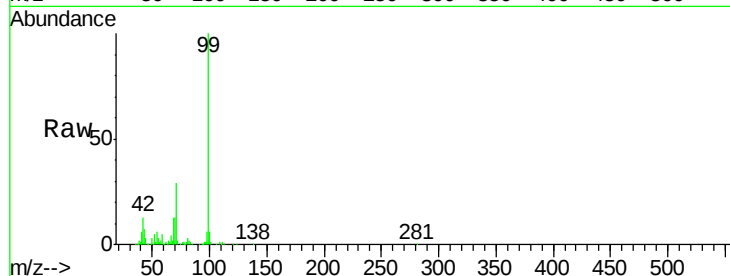
Tgt Ion: 99 Resp: 299506

Ion Ratio Lower Upper

99 100

42 13.1 11.1 16.7

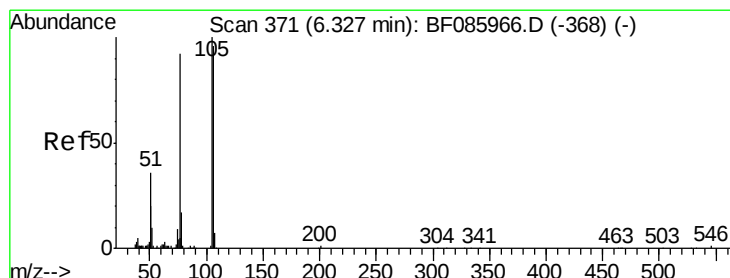
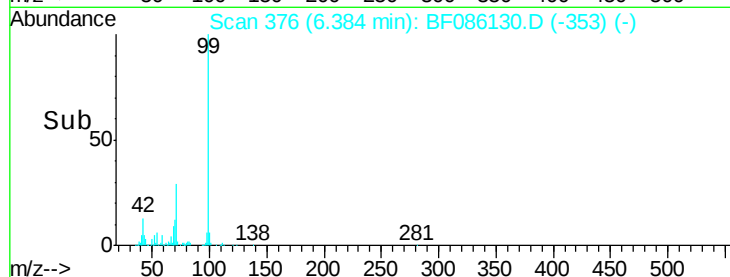
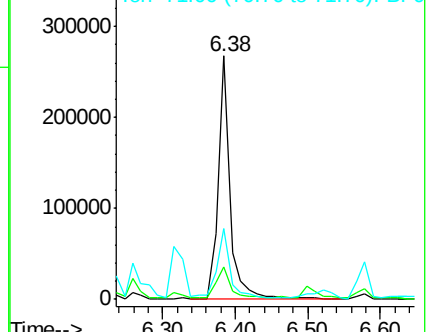
71 29.3 24.9 37.3



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: 18.32 ng

RT: 6.28 min Scan# 367

Delta R.T. -0.05 min

Lab File: BF086130.D

Acq: 7 Apr 2016 14:19

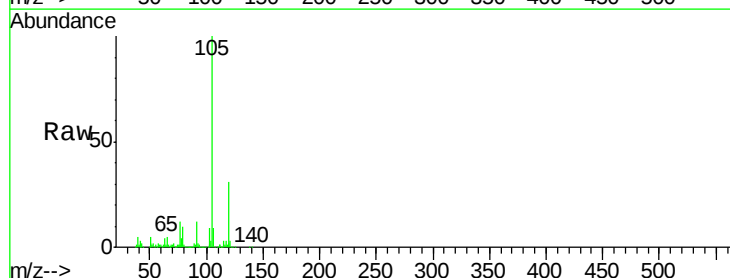
Tgt Ion: 77 Resp: 112314

Ion Ratio Lower Upper

77 100

105 810.3 80.1 120.1#

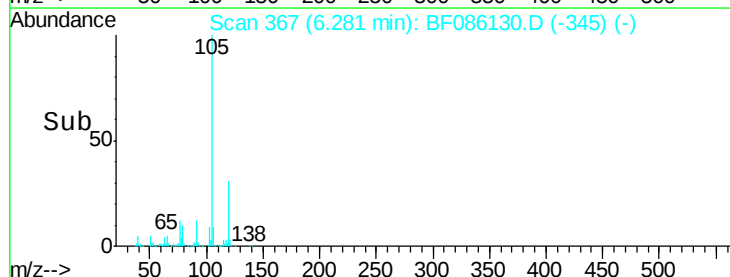
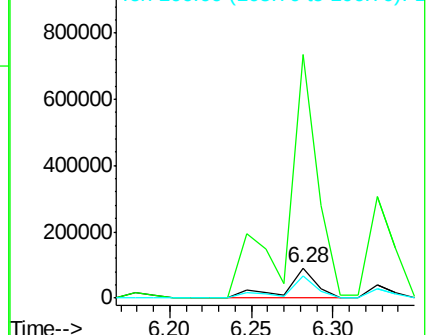
106 74.7 75.0 115.0#

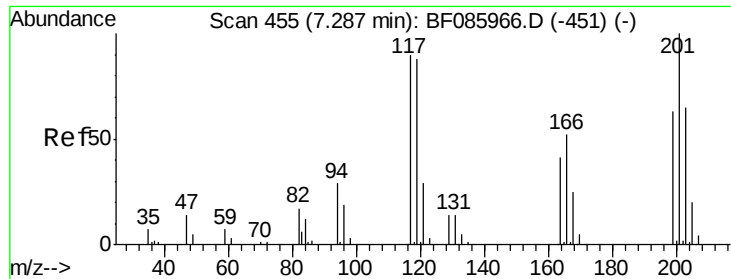


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

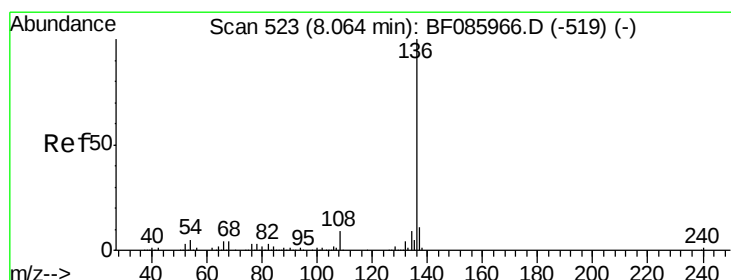
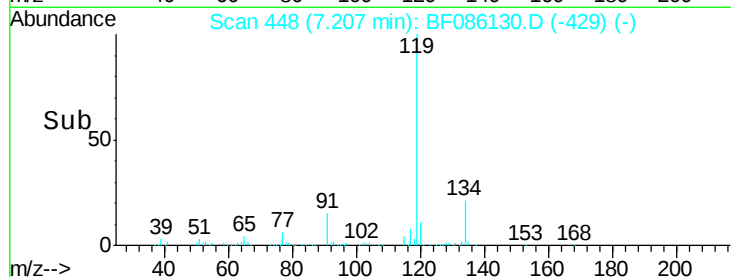
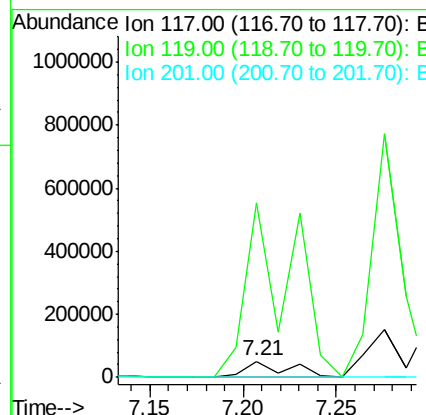
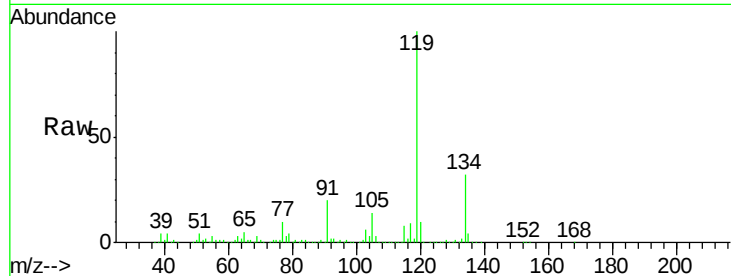




#18  
Hexachloroethane  
Concen: 19.92 ng  
RT: 7.21 min Scan# 448  
Delta R.T. -0.08 min  
Lab File: BF086130.D  
Acq: 7 Apr 2016 14:19

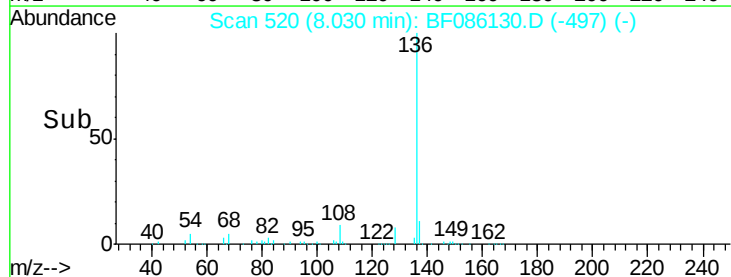
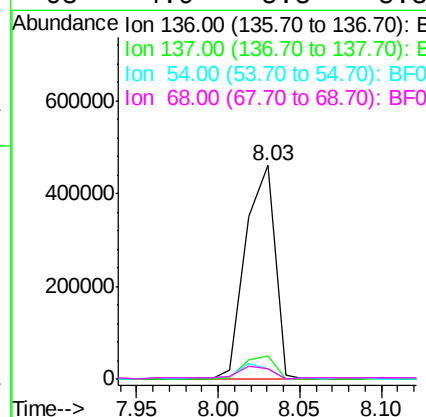
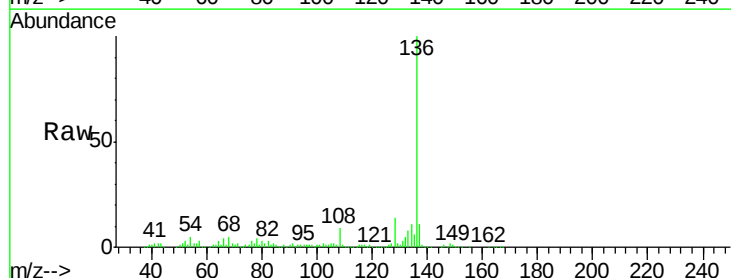
Instrument :  
BNA\_F  
ClientSampled :  
WC1DL

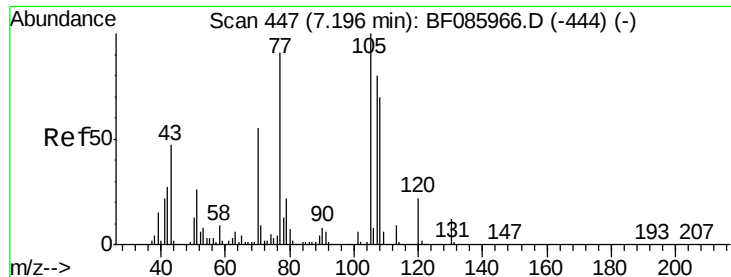
Tgt Ion:117 Resp: 85585  
Ion Ratio Lower Upper  
117 100  
119 1061.6 76.7 115.1#  
201 0.0 83.3 124.9#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.03 min Scan# 520  
Delta R.T. -0.03 min  
Lab File: BF086130.D  
Acq: 7 Apr 2016 14:19

Tgt Ion:136 Resp: 573239  
Ion Ratio Lower Upper  
136 100  
137 10.7 9.1 13.7  
54 5.1 7.4 11.0#  
68 4.9 5.8 8.8#

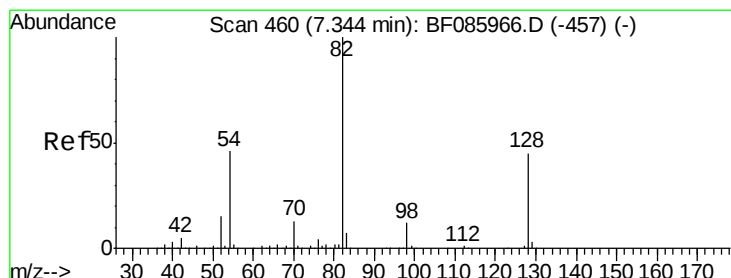
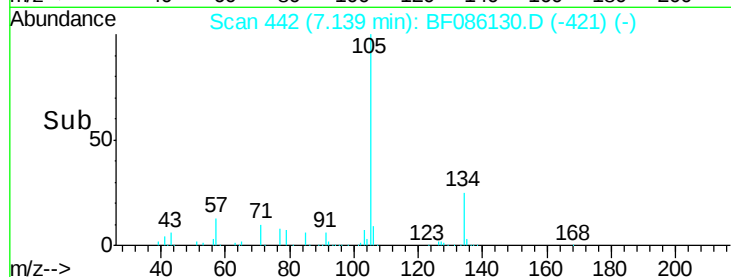
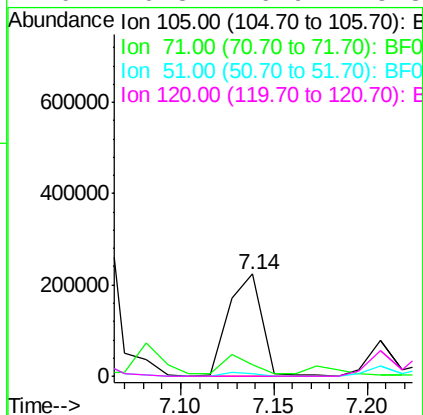
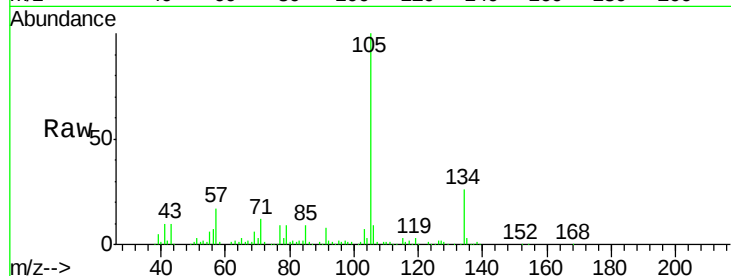




#22  
Acetophenone  
Concen: 20.61 ng  
RT: 7.14 min Scan# 442  
Delta R.T. -0.06 min  
Lab File: BF086130.D  
Acq: 7 Apr 2016 14:19

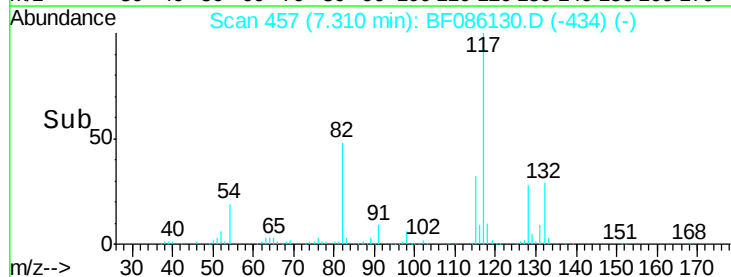
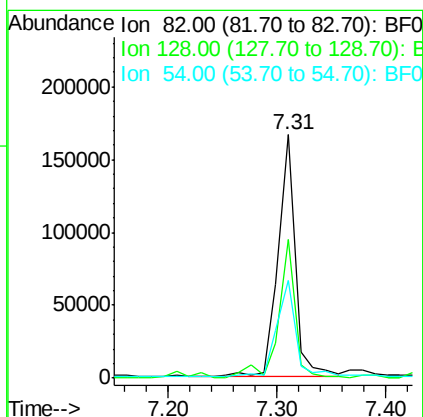
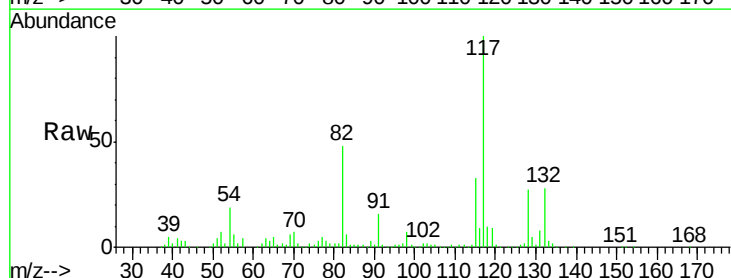
Instrument :  
BNA\_F  
ClientSampleId :  
WC1DL

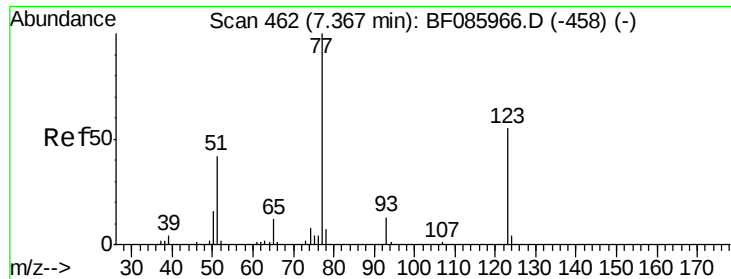
Tgt Ion: 105 Resp: 277669  
Ion Ratio Lower Upper  
105 100  
71 11.7 3.6 5.4#  
51 2.6 25.4 38.0#  
120 0.3 16.9 25.3#



#23  
Nitrobenzene-d5  
Concen: 18.60 ng  
RT: 7.31 min Scan# 457  
Delta R.T. -0.03 min  
Lab File: BF086130.D  
Acq: 7 Apr 2016 14:19

Tgt Ion: 82 Resp: 180797  
Ion Ratio Lower Upper  
82 100  
128 56.9 41.8 62.8  
54 40.4 33.4 50.0





#24

Nitrobenzene

Concen: 8.88 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.09 min

Lab File: BF086130.D

Acq: 7 Apr 2016 14:19

Instrument :

BNA\_F

ClientSampleId :

WC1DL

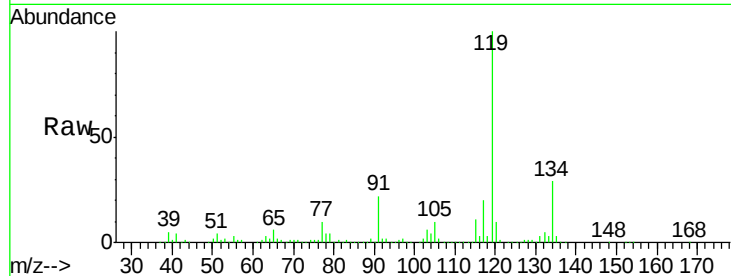
Tgt Ion: 77 Resp: 94469

Ion Ratio Lower Upper

77 100

123 1.0 35.0 52.4#

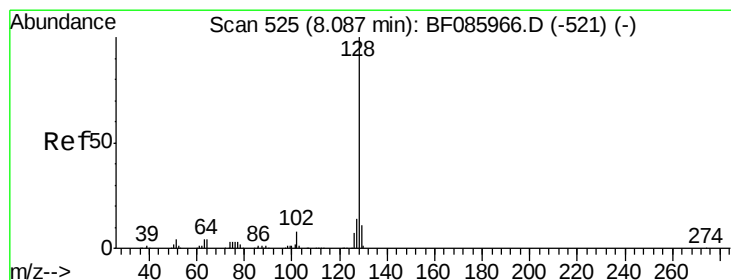
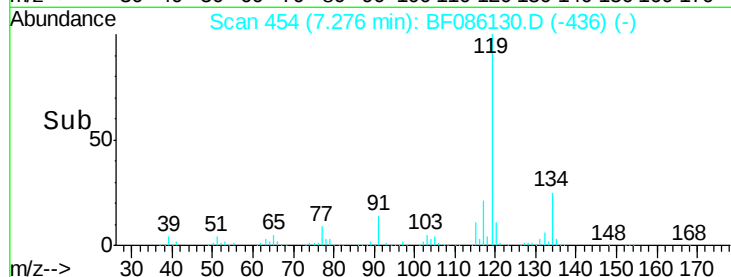
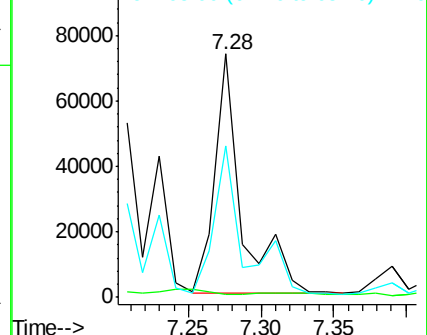
65 62.0 10.6 16.0#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#31

Naphthalene

Concen: 37.38 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.03 min

Lab File: BF086130.D

Acq: 7 Apr 2016 14:19

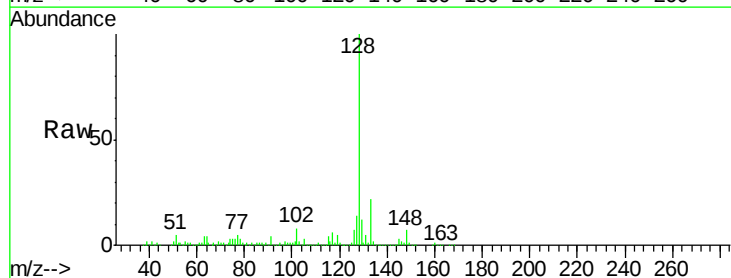
Tgt Ion: 128 Resp: 1077768

Ion Ratio Lower Upper

128 100

129 11.6 9.4 14.0

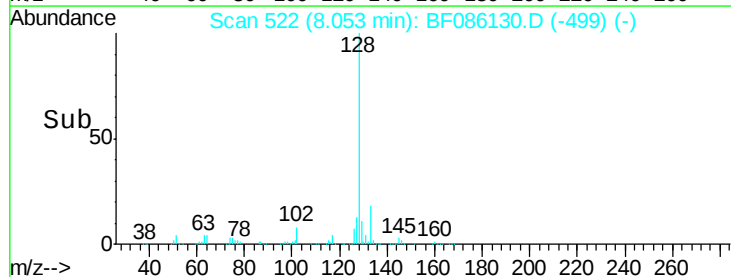
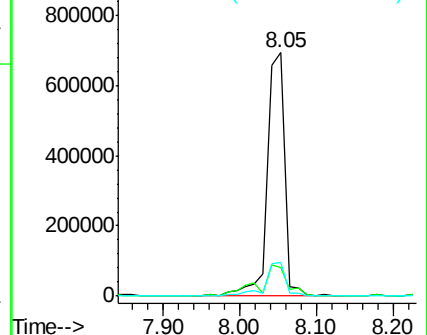
127 13.6 11.0 16.6

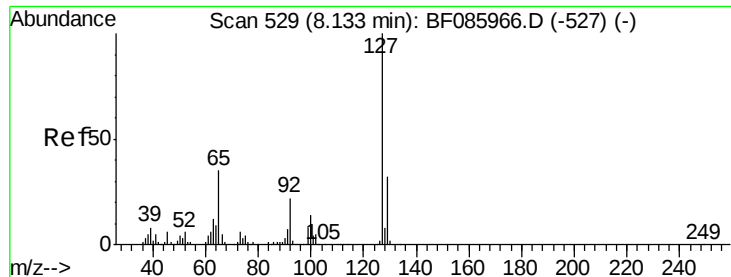


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

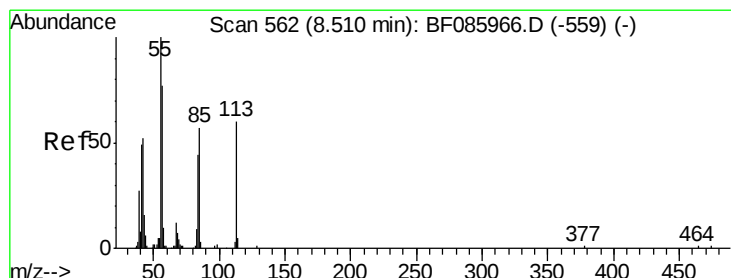
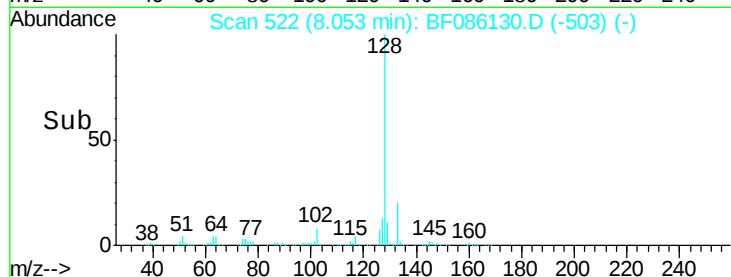
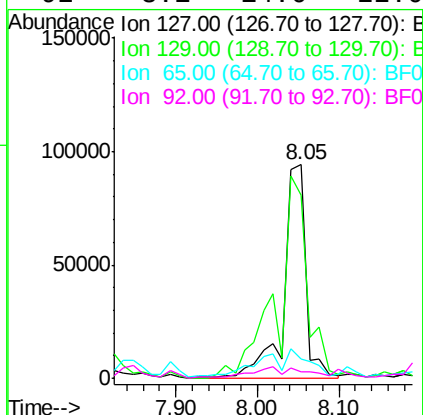
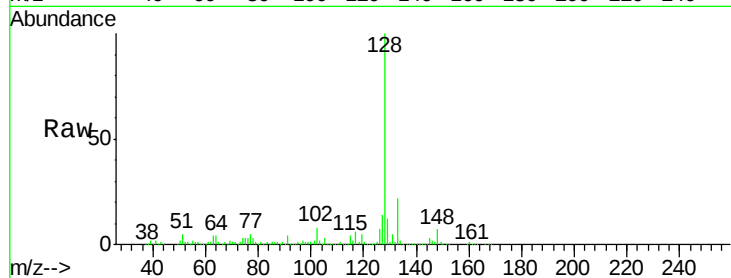




#33  
 4-Chloroaniline  
 Concen: 15.09 ng  
 RT: 8.05 min Scan# 522  
 Delta R.T. -0.08 min  
 Lab File: BF086130.D  
 Acq: 7 Apr 2016 14:19

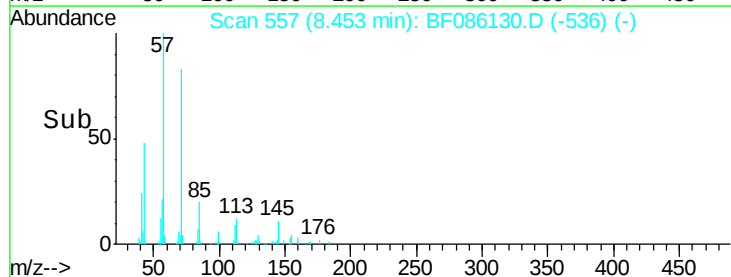
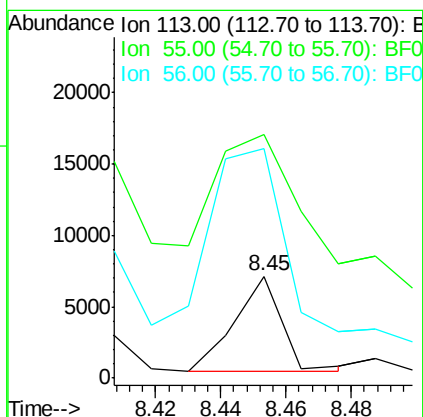
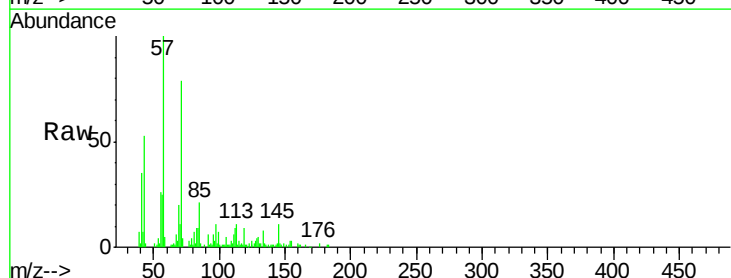
Instrument :  
 BNA\_F  
 ClientSampleId :  
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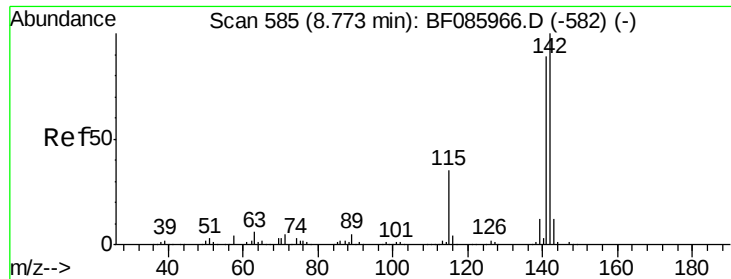
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 175713 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 85.5  | 26.1  | 39.1#  |
| 65       | 9.0   | 19.5  | 29.3#  |
| 92       | 3.1   | 14.6  | 22.0#  |



#35  
 Caprolactam  
 Concen: 2.70 ng  
 RT: 8.45 min Scan# 557  
 Delta R.T. -0.06 min  
 Lab File: BF086130.D  
 Acq: 7 Apr 2016 14:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 6629   |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 55       | 239.1 | 139.4 | 179.4# |
| 56       | 225.1 | 100.4 | 140.4# |

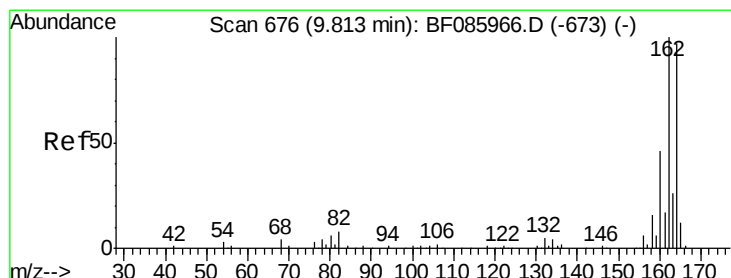
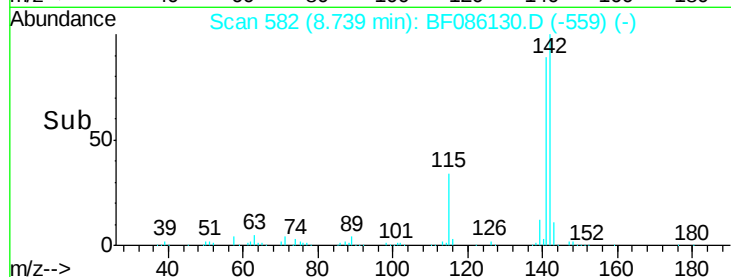
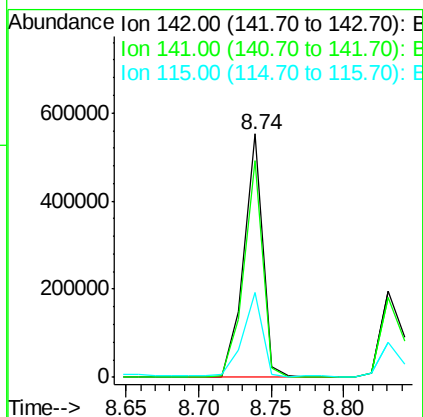
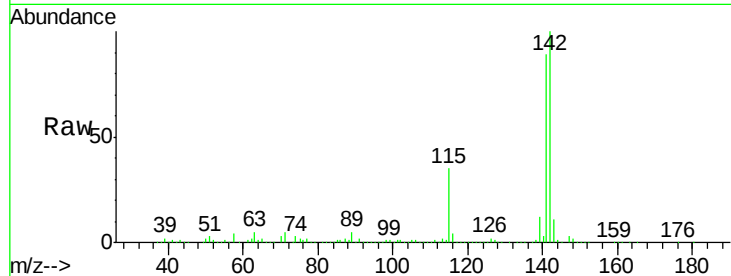




#37  
 2-Methylnaphthalene  
 Concen: 26.73 ng  
 RT: 8.74 min Scan# 582  
 Delta R.T. -0.03 min  
 Lab File: BF086130.D  
 Acq: 7 Apr 2016 14:19

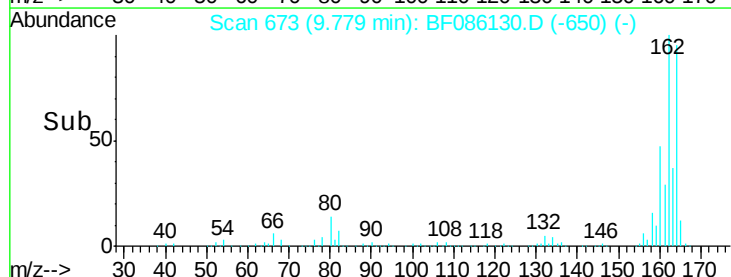
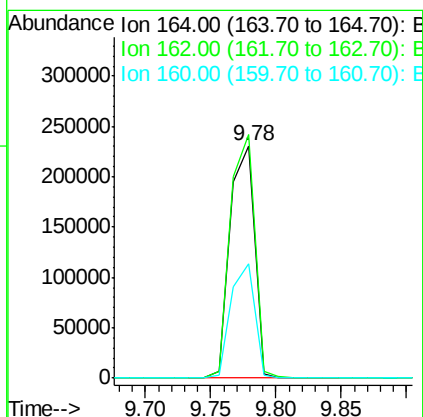
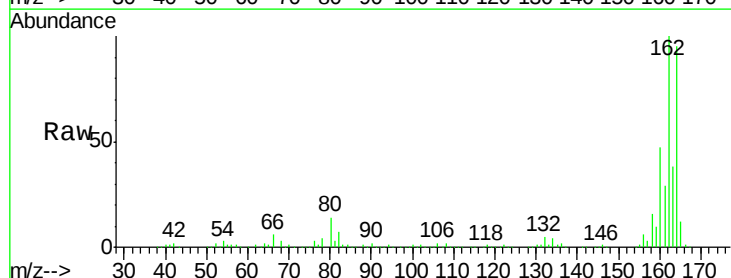
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC1DL

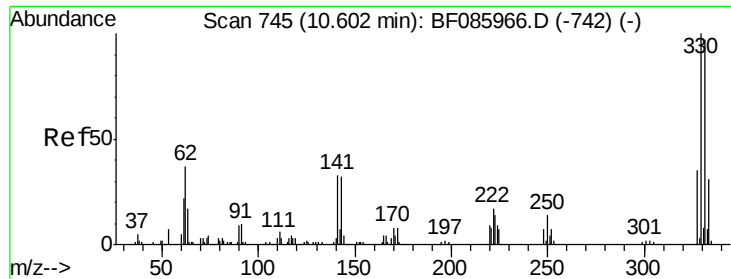
Tgt Ion:142 Resp: 503441  
 Ion Ratio Lower Upper  
 142 100  
 141 89.3 71.6 107.4  
 115 34.9 26.8 40.2



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.78 min Scan# 673  
 Delta R.T. -0.03 min  
 Lab File: BF086130.D  
 Acq: 7 Apr 2016 14:19

Tgt Ion:164 Resp: 300500  
 Ion Ratio Lower Upper  
 164 100  
 162 104.8 82.1 123.1  
 160 49.2 37.4 56.2

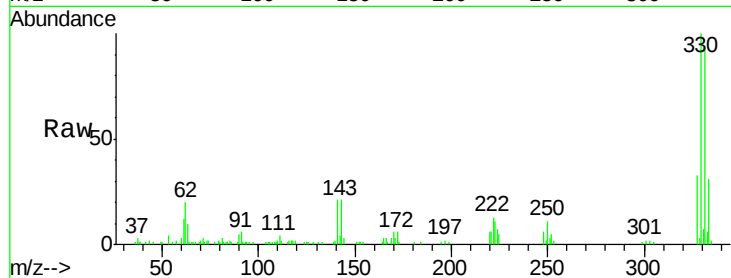




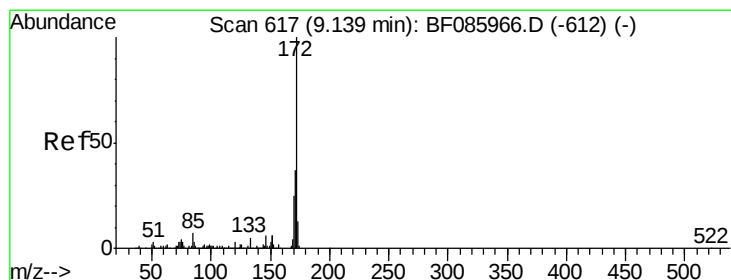
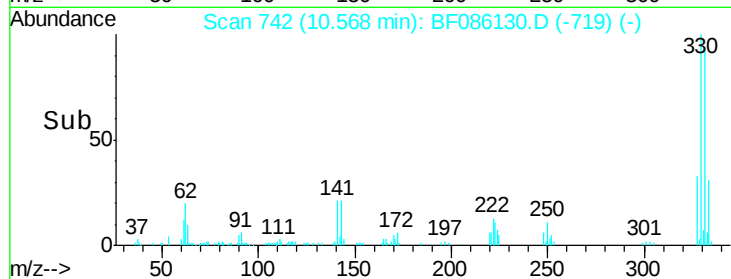
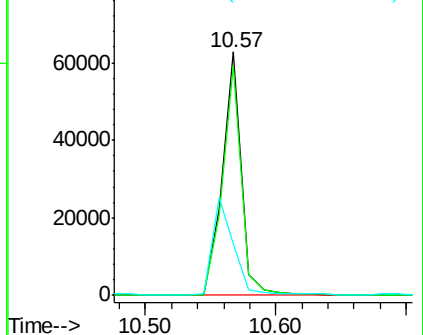
#41  
 2,4,6-Tribromophenol  
 Concen: 22.77 ng  
 RT: 10.57 min Scan# 742  
 Delta R.T. -0.03 min  
 Lab File: BF086130.D  
 Acq: 7 Apr 2016 14:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC1DL

Tgt Ion:330 Resp: 64231  
 Ion Ratio Lower Upper  
 330 100  
 332 94.5 78.2 117.2  
 141 46.0 31.5 47.3

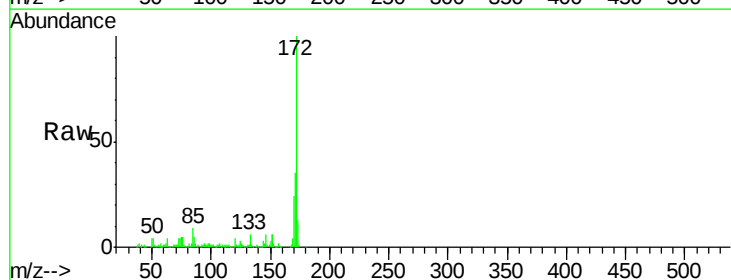


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

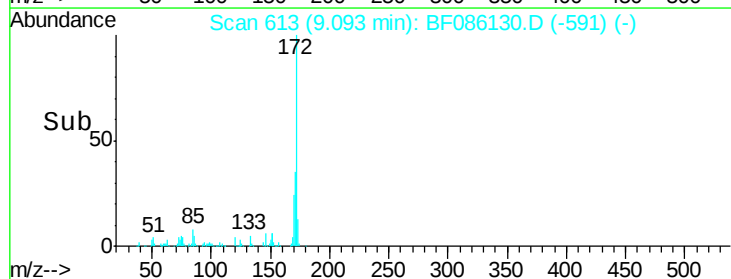
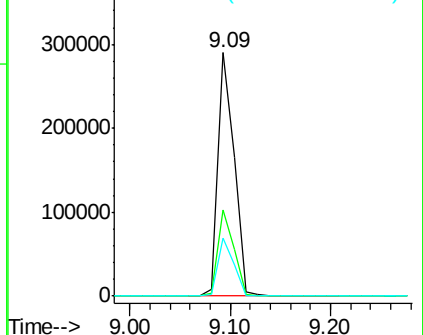


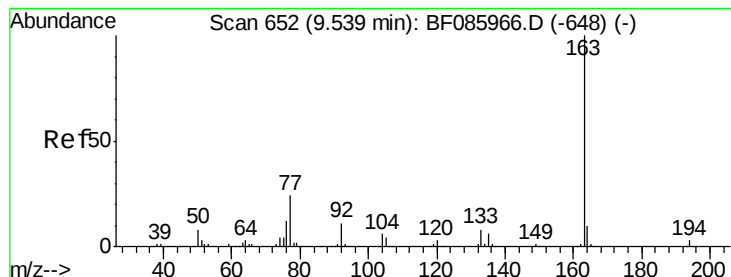
#44  
 2-Fluorobiphenyl  
 Concen: 17.96 ng  
 RT: 9.09 min Scan# 613  
 Delta R.T. -0.05 min  
 Lab File: BF086130.D  
 Acq: 7 Apr 2016 14:19

Tgt Ion:172 Resp: 324591  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 29.4 44.2  
 170 23.8 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: 2.71 ng

RT: 9.49 min Scan# 648

Delta R.T. -0.05 min

Lab File: BF086130.D

Acq: 7 Apr 2016 14:19

Instrument :

BNA\_F

ClientSampleId :

WC1DL

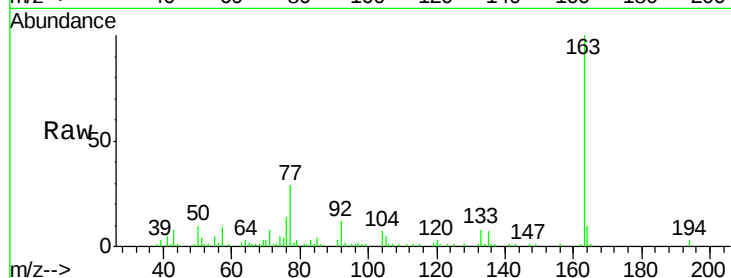
Tgt Ion:163 Resp: 60255

Ion Ratio Lower Upper

163 100

194 3.1 2.9 4.3

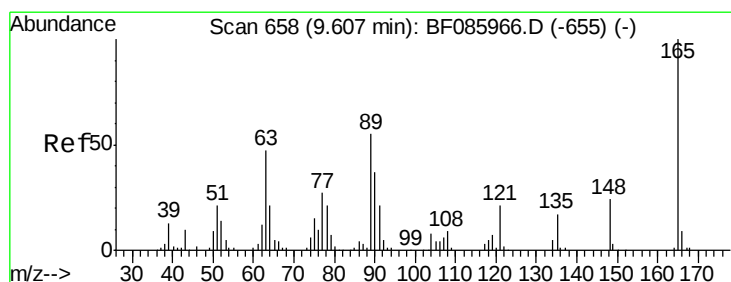
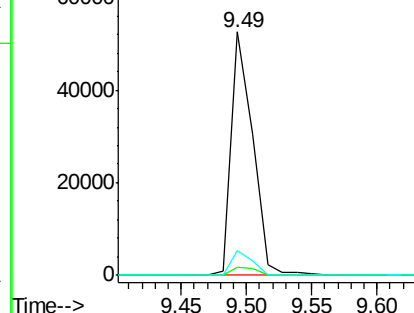
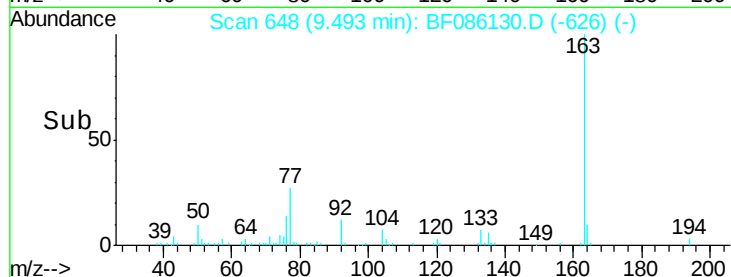
164 10.0 8.3 12.5



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



#50

2,6-Dinitrotoluene

Concen: 8.42 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.17 min

Lab File: BF086130.D

Acq: 7 Apr 2016 14:19

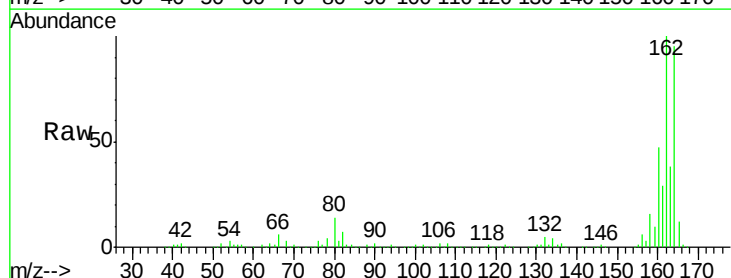
Tgt Ion:165 Resp: 39663

Ion Ratio Lower Upper

165 100

63 1.9 51.8 77.8#

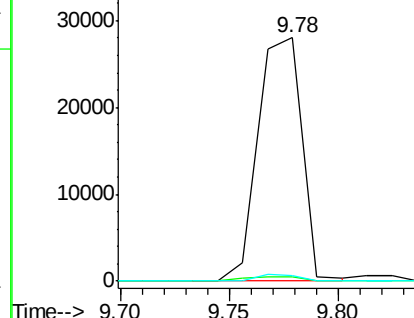
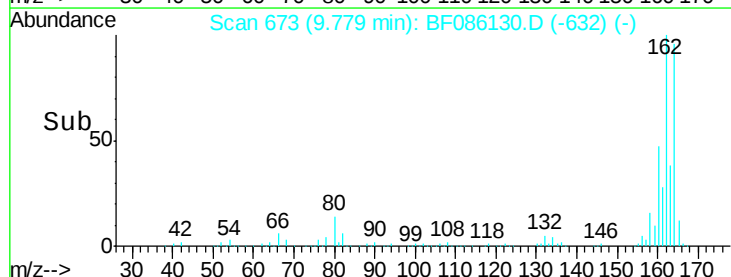
89 2.2 53.7 80.5#

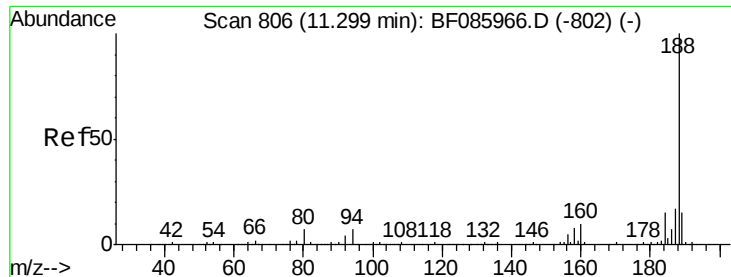


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

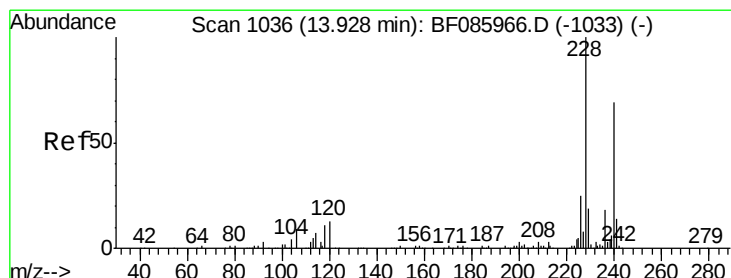
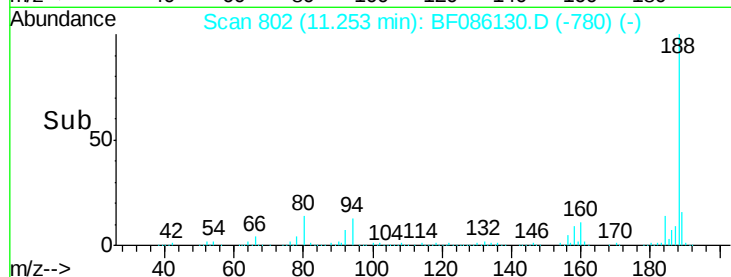
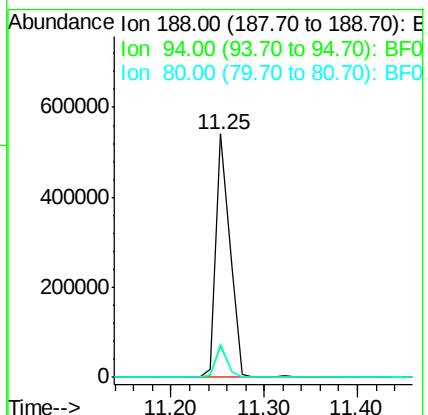
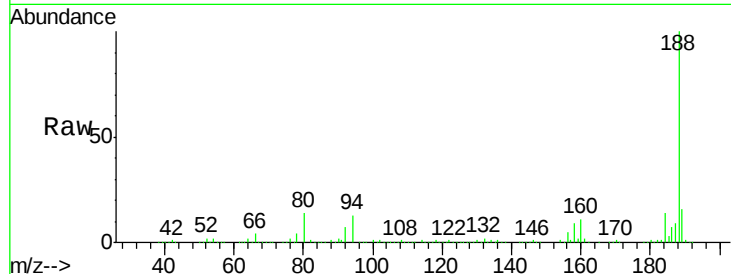




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.25 min Scan# 802  
Delta R.T. -0.05 min  
Lab File: BF086130.D  
Acq: 7 Apr 2016 14:19

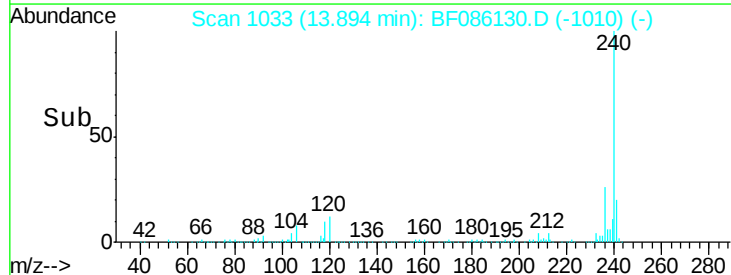
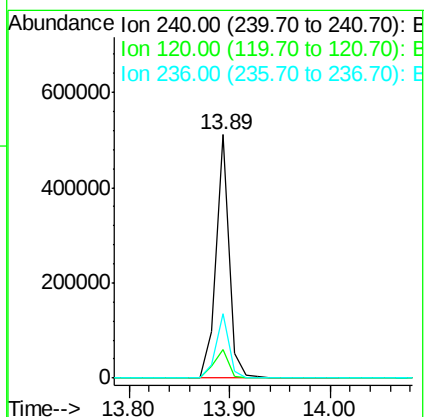
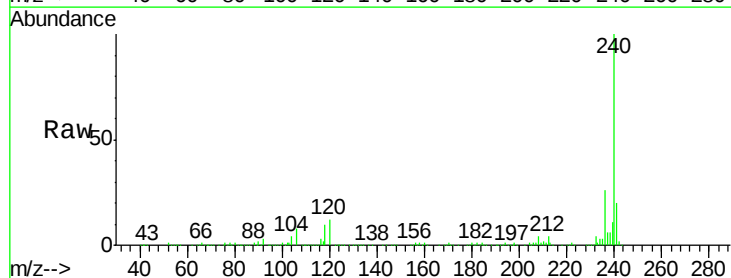
Instrument :  
BNA\_F  
ClientSampleId :  
WC1DL

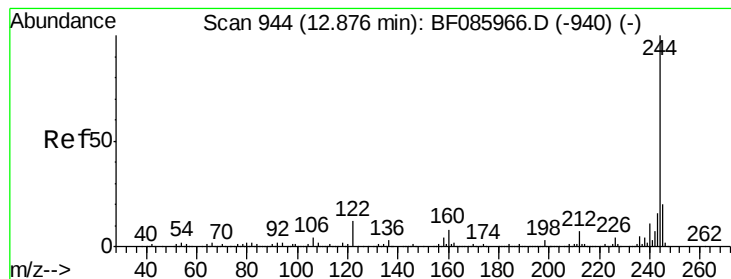
Tgt Ion:188 Resp: 562367  
Ion Ratio Lower Upper  
188 100  
94 12.9 5.4 8.0#  
80 13.7 5.5 8.3#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.89 min Scan# 1033  
Delta R.T. -0.03 min  
Lab File: BF086130.D  
Acq: 7 Apr 2016 14:19

Tgt Ion:240 Resp: 463022  
Ion Ratio Lower Upper  
240 100  
120 12.0 13.8 20.8#  
236 26.5 20.6 30.8





#78

Terphenyl-d14

Concen: 15.68 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086130.D

Acq: 7 Apr 2016 14:19

Instrument :

BNA\_F

ClientSampleId :

WC1DL

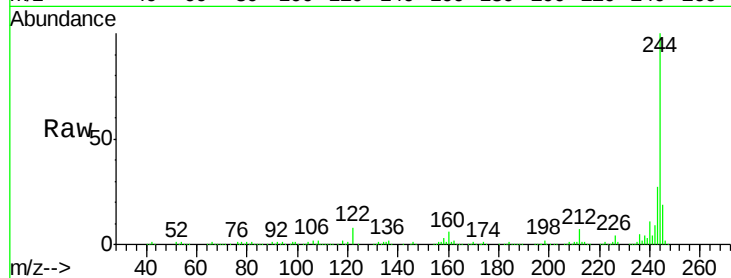
Tgt Ion:244 Resp: 308924

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

122 7.9 10.2 15.4#



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

300000

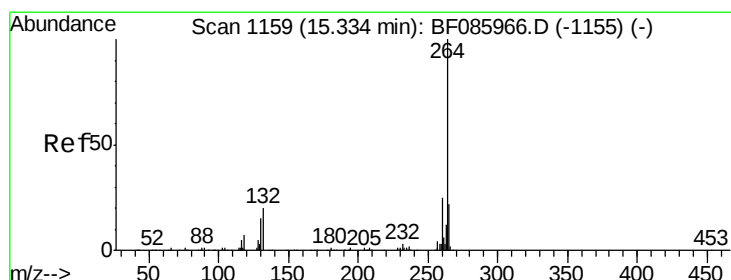
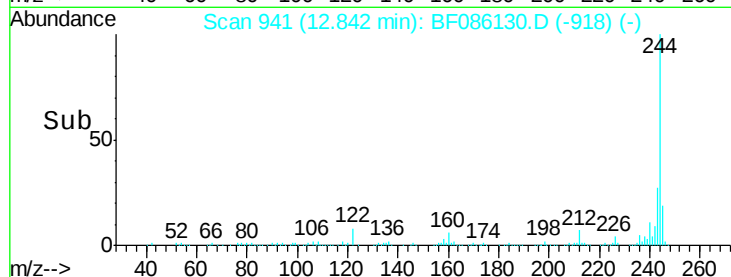
200000

100000

0

12.84

Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.29 min Scan# 1155

Delta R.T. -0.05 min

Lab File: BF086130.D

Acq: 7 Apr 2016 14:19

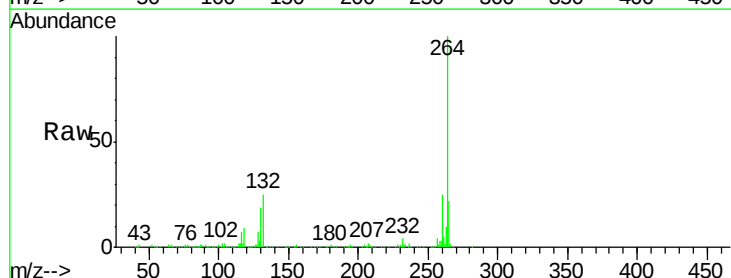
Tgt Ion:264 Resp: 320612

Ion Ratio Lower Upper

264 100

260 24.6 19.4 29.2

265 22.2 17.2 25.8



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

300000

250000

200000

150000

100000

50000

0

15.29

Time-->

