

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF031016\  
 Data File : BF085332.D  
 Acq On : 10 Mar 2016 14:44  
 Operator : UM/SJ  
 Sample : H1717-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1602294167

Quant Time: Mar 10 16:14:20 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 | 6.94  | 152  | 175057   | 20.00 | ng    | -0.05    |
| 21) Naphthalene-d8        | 8.22  | 136  | 645534   | 20.00 | ng    | -0.05    |
| 38) Acenaphthene-d10      | 9.98  | 164  | 333872   | 20.00 | ng    | -0.05    |
| 63) Phenanthrene-d10      | 11.46 | 188  | 529594   | 20.00 | ng    | -0.05    |
| 75) Chrysene-d12          | 14.11 | 240  | 364213   | 20.00 | ng    | -0.05    |
| 86) Perylene-d12          | 15.57 | 264  | 272254   | 20.00 | ng    | -0.05    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.56  | 112  | 1229561  | 117.82 | ng    | -0.02    |
| 7) Phenol-d6                | 6.57  | 99   | 1548280  | 113.24 | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.50  | 82   | 857894   | 71.12  | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 10.77 | 330  | 323897   | 113.38 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl        | 9.30  | 172  | 1658497  | 75.55  | ng    | -0.05    |
| 78) Terphenyl-d14           | 13.05 | 244  | 1178787  | 75.13  | ng    | -0.03    |

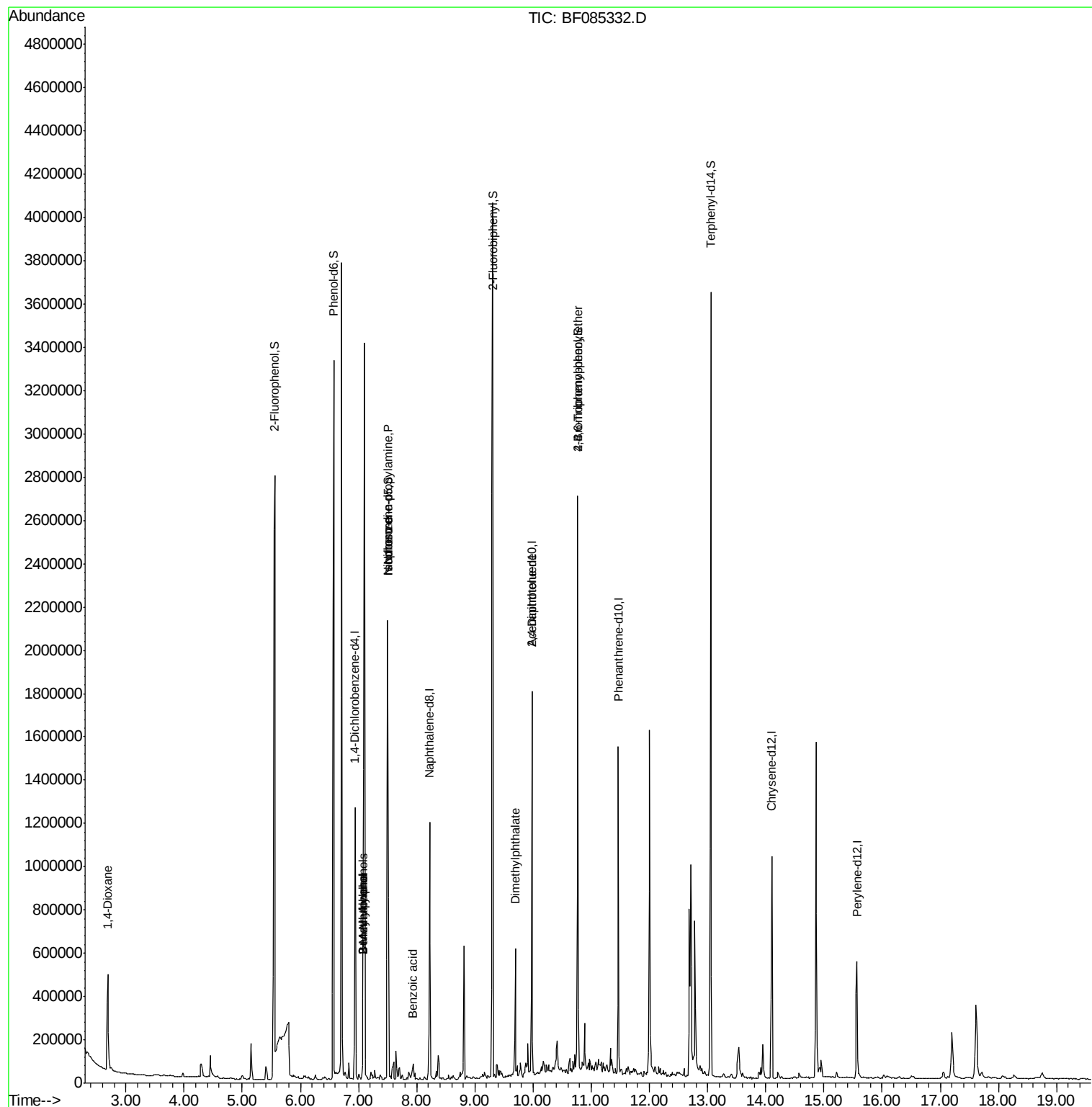
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 2.69  | 88   | 36442    | 6.83  | ng    | # 1    |
| 15) Benzyl Alcohol             | 7.08  | 79   | 85980    | 8.57  | ng    | 96     |
| 17) 2-Methylphenol             | 7.08  | 107  | 37969    | 3.70  | ng    | # 4    |
| 19) n-Nitroso-di-n-propylamine | 7.50  | 70   | 114568   | 12.86 | ng    | # 78   |
| 20) 3+4-Methylphenols          | 7.08  | 107  | 36837    | 3.03  | ng    | # 3    |
| 25) Isophorone                 | 7.50  | 82   | 720961   | 32.25 | ng    | # 67   |
| 32) Benzoic acid               | 7.93  | 122  | 21729    | 3.00  | ng    | 99     |
| 49) Dimethylphthalate          | 9.69  | 163  | 228562   | 8.92  | ng    | 99     |
| 56) 2,4-Dinitrotoluene         | 9.98  | 165  | 42376    | 6.04  | ng    | # 22   |
| 66) 4-Bromophenyl-phenylether  | 10.77 | 248  | 23579    | 4.59  | ng    | # 1    |

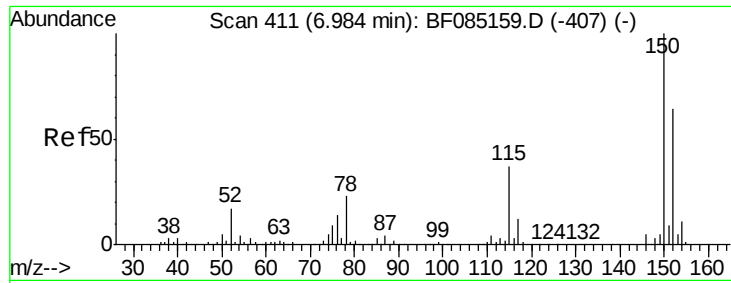
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 04 00:54:58 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF085332.D

Acq: 10 Mar 2016 14:44

Instrument :

BNA\_F

ClientSampleId :

1602294167

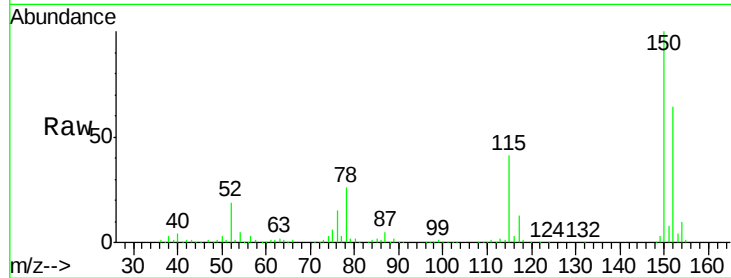
Tgt Ion:152 Resp: 175057

Ion Ratio Lower Upper

152 100

150 156.2 124.6 186.8

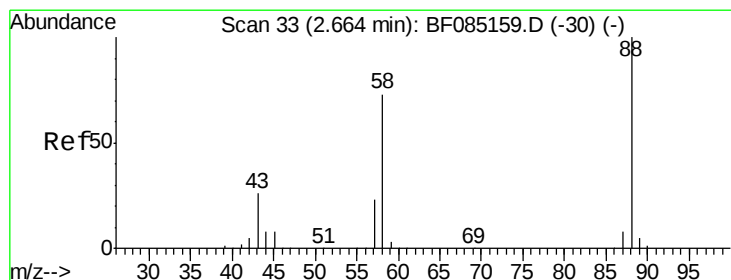
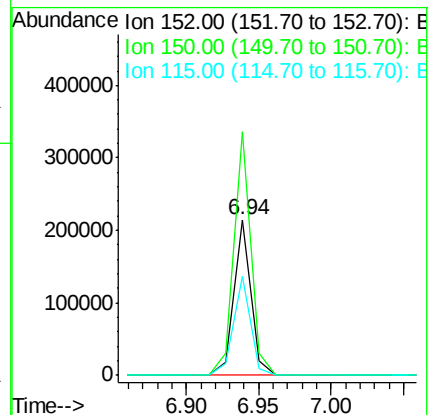
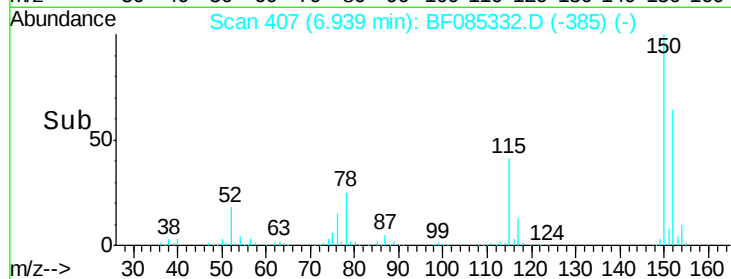
115 63.3 46.6 70.0



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



#2

1,4-Dioxane

Concen: 6.83 ng

RT: 2.69 min Scan# 35

Delta R.T. 0.02 min

Lab File: BF085332.D

Acq: 10 Mar 2016 14:44

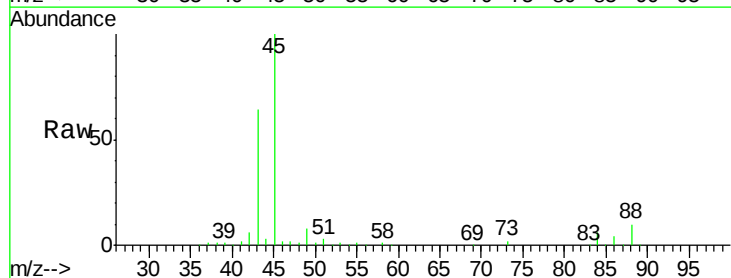
Tgt Ion: 88 Resp: 36442

Ion Ratio Lower Upper

88 100

58 5.0 57.0 85.6#

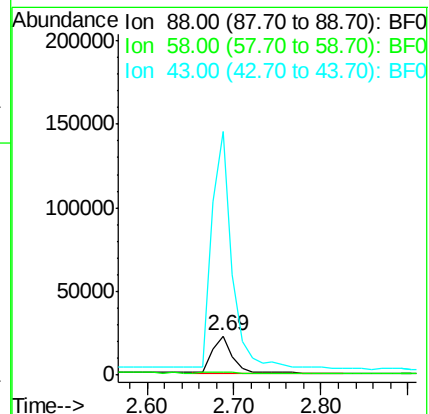
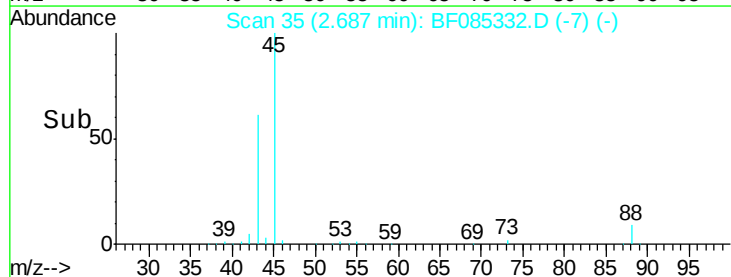
43 640.2 20.5 30.7#

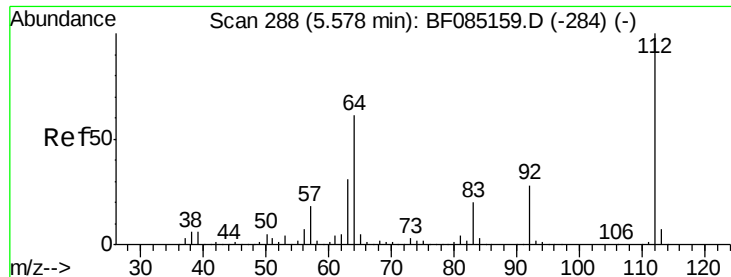


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 117.82 ng

RT: 5.56 min Scan# 286

Delta R.T. -0.02 min

Lab File: BF085332.D

Acq: 10 Mar 2016 14:44

Instrument :

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ClientSampleId :

1602294167

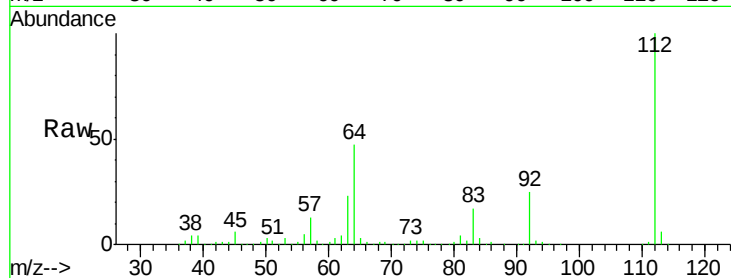
Tgt Ion: 112 Resp: 1229561

Ion Ratio Lower Upper

112 100

64 46.6 49.0 73.4#

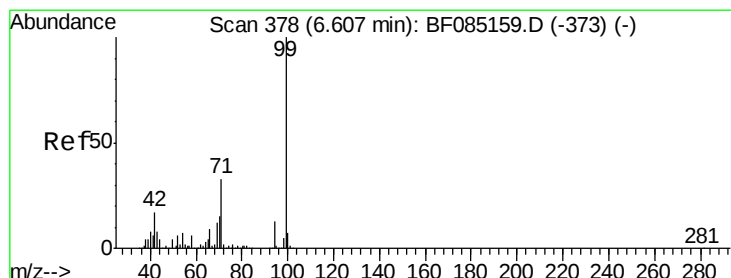
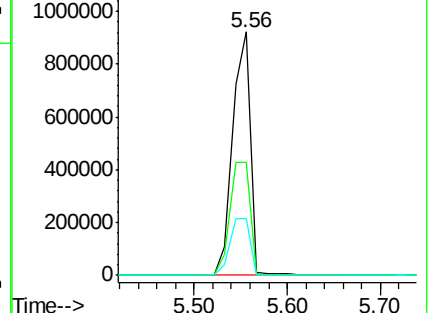
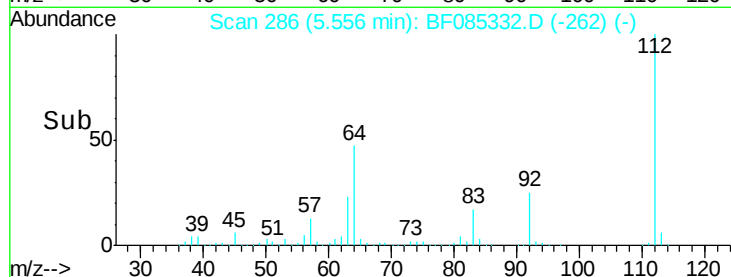
63 23.3 24.8 37.2#



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: 113.24 ng

RT: 6.57 min Scan# 375

Delta R.T. -0.03 min

Lab File: BF085332.D

Acq: 10 Mar 2016 14:44

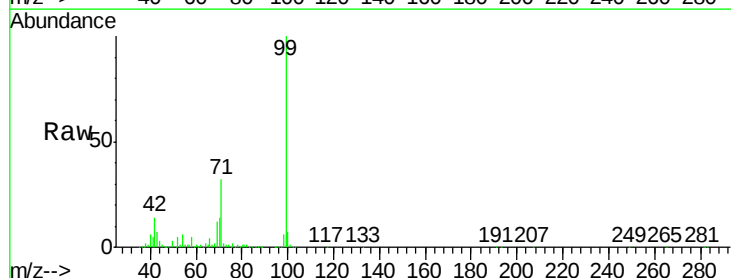
Tgt Ion: 99 Resp: 1548280

Ion Ratio Lower Upper

99 100

42 14.4 13.6 20.4

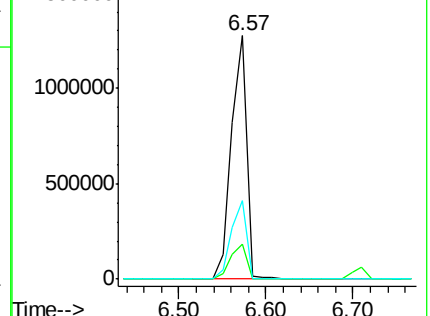
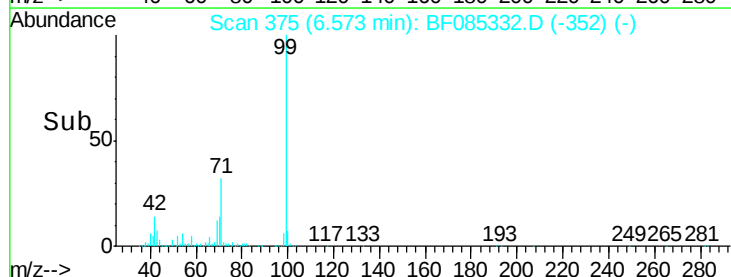
71 32.4 26.7 40.1

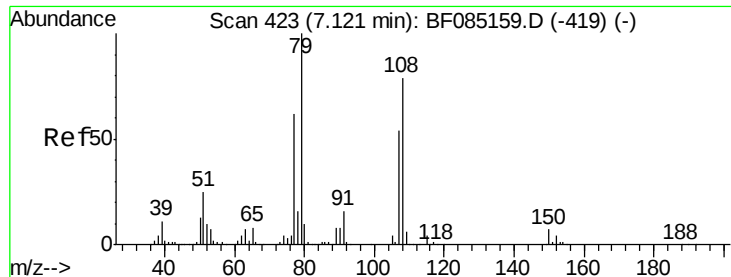


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 8.57 ng

RT: 7.08 min Scan# 419

Delta R.T. -0.05 min

Lab File: BF085332.D

Acq: 10 Mar 2016 14:44

Instrument :

BNA\_F

ClientSampleId :

1602294167

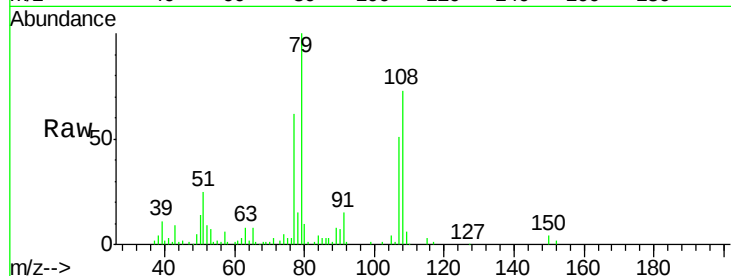
Tgt Ion: 79 Resp: 85980

Ion Ratio Lower Upper

79 100

108 73.0 62.9 94.3

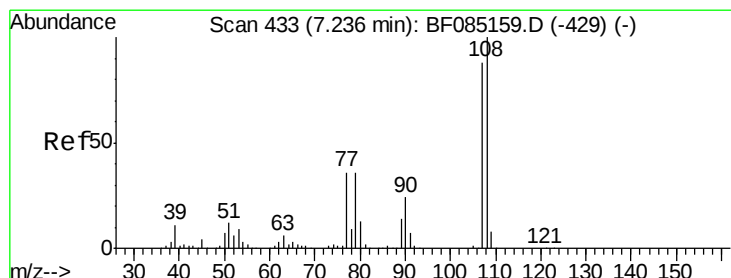
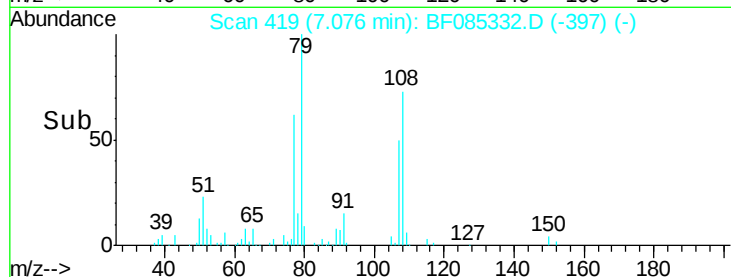
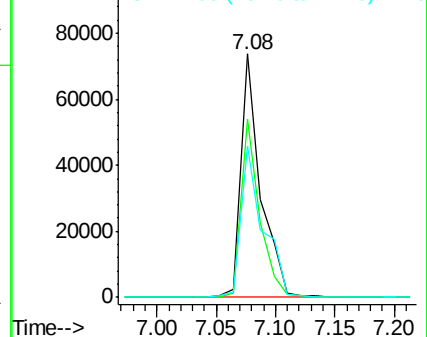
77 62.4 49.5 74.3



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#17

2-Methylphenol

Concen: 3.70 ng

RT: 7.08 min Scan# 419

Delta R.T. -0.16 min

Lab File: BF085332.D

Acq: 10 Mar 2016 14:44

Tgt Ion: 107 Resp: 37969

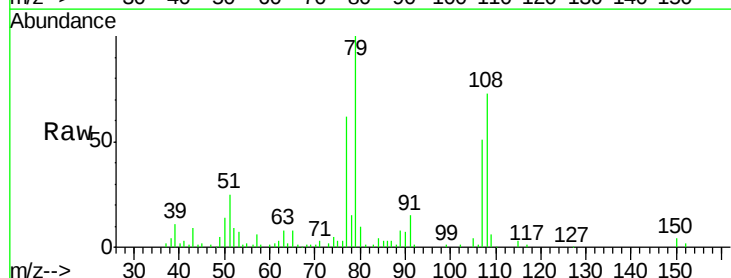
Ion Ratio Lower Upper

107 100

108 143.7 90.9 136.3#

77 122.7 32.6 48.8#

79 196.7 32.8 49.2#

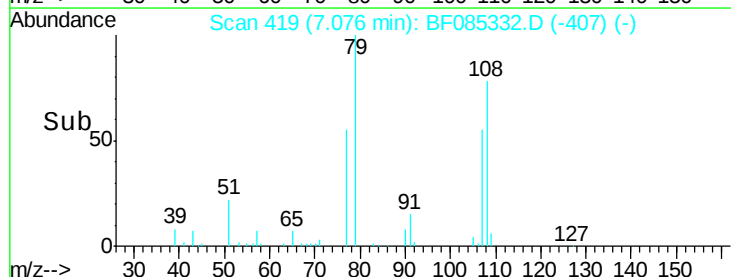
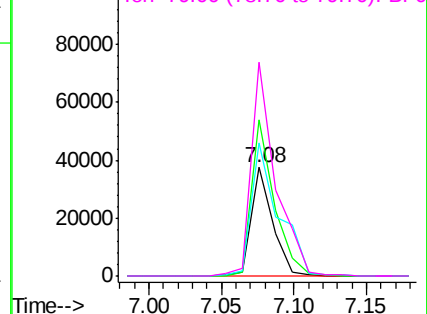


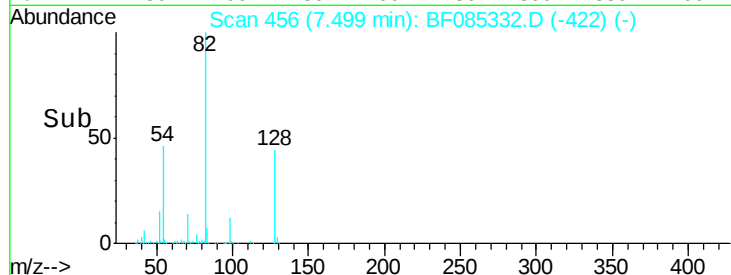
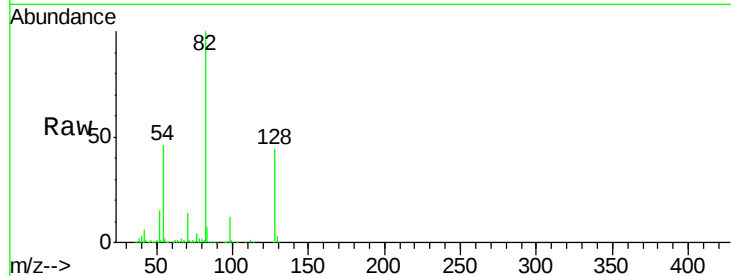
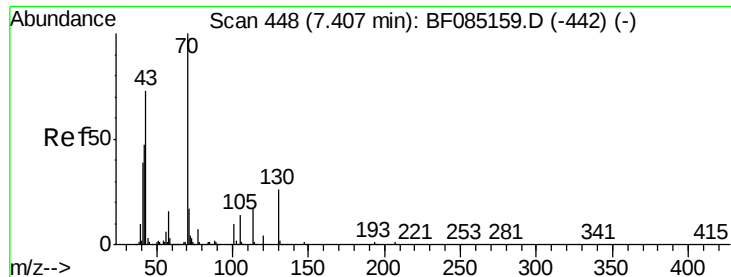
Abundance Ion 107.00 (106.70 to 107.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

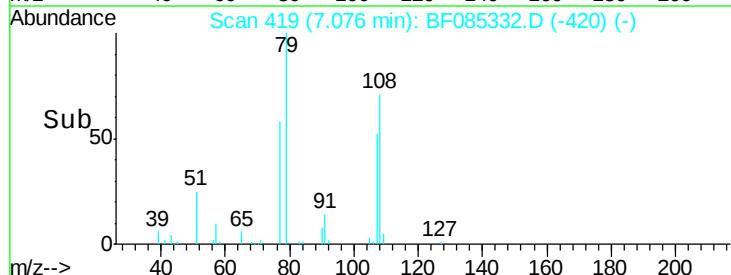
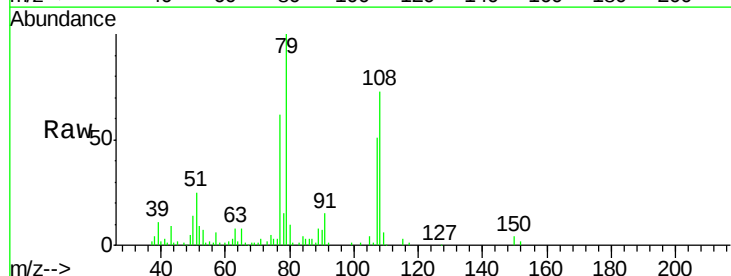
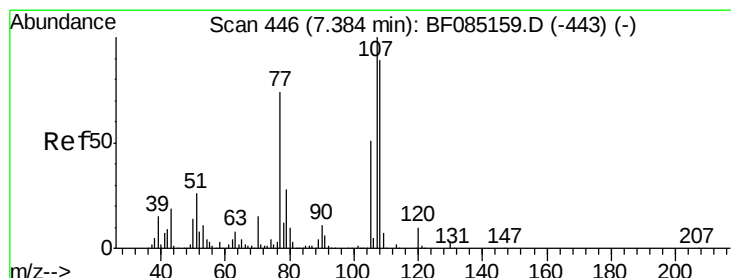
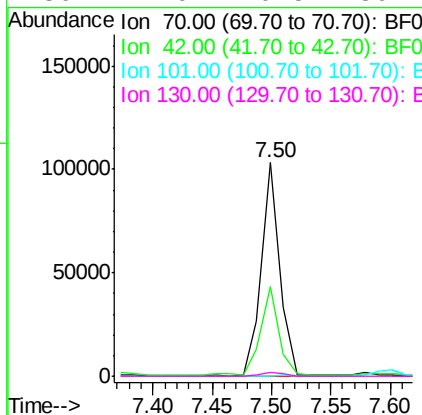




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.86 ng  
RT: 7.50 min Scan# 456  
Delta R.T. 0.09 min  
Lab File: BF085332.D  
Acq: 10 Mar 2016 14:44

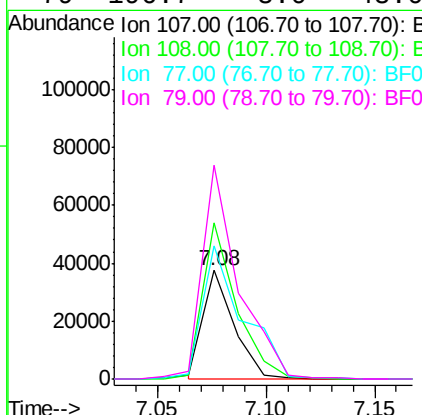
Instrument :  
BNA\_F  
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1602294167

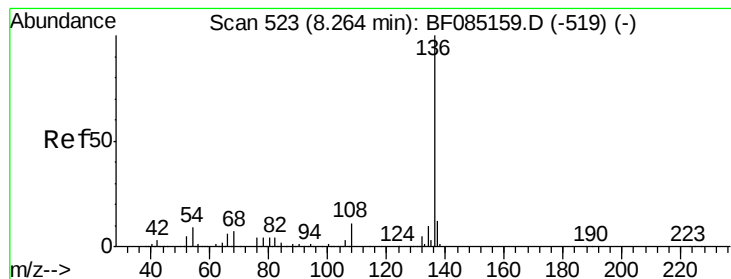
Tgt Ion: 70 Resp: 114568  
Ion Ratio Lower Upper  
70 100  
42 41.9 37.7 56.5  
101 0.0 8.2 12.4#  
130 2.0 20.5 30.7#



#20  
3+4-Methylphenols  
Concen: 3.03 ng  
RT: 7.08 min Scan# 419  
Delta R.T. -0.31 min  
Lab File: BF085332.D  
Acq: 10 Mar 2016 14:44

Tgt Ion: 107 Resp: 36837  
Ion Ratio Lower Upper  
107 100  
108 143.7 68.8 108.8#  
77 122.7 53.6 93.6#  
79 196.7 8.0 48.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.22 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF085332.D

Acq: 10 Mar 2016 14:44

Instrument :

BNA\_F

ClientSampleId :

1602294167

Tgt Ion:136 Resp: 645534

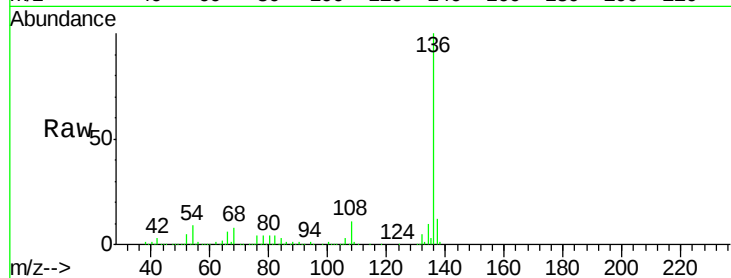
Ion Ratio Lower Upper

136 100

137 11.6 9.3 13.9

54 9.1 7.4 11.2

68 7.7 6.0 9.0

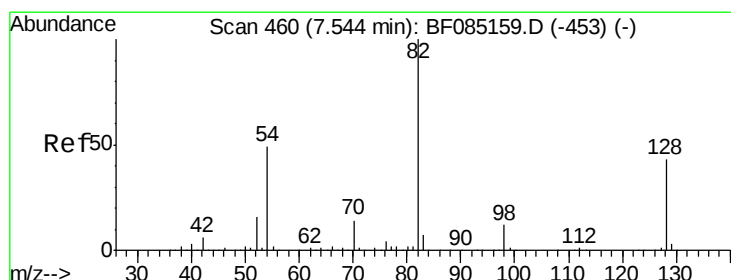
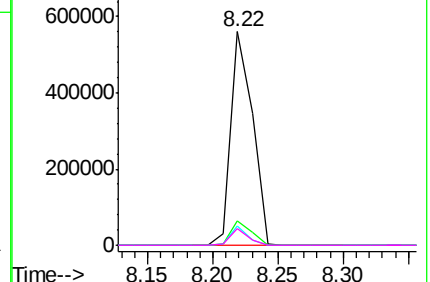
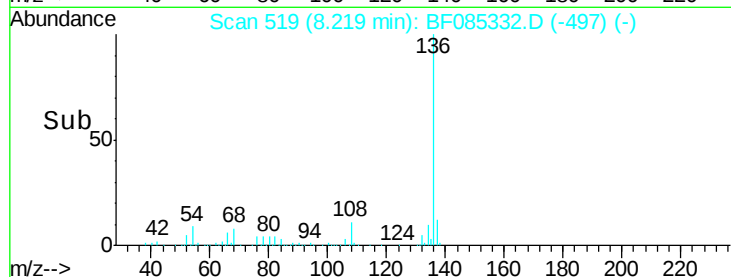


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 71.12 ng

RT: 7.50 min Scan# 456

Delta R.T. -0.05 min

Lab File: BF085332.D

Acq: 10 Mar 2016 14:44

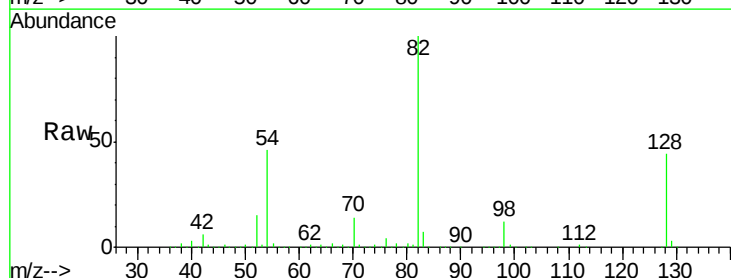
Tgt Ion: 82 Resp: 857894

Ion Ratio Lower Upper

82 100

128 43.8 34.5 51.7

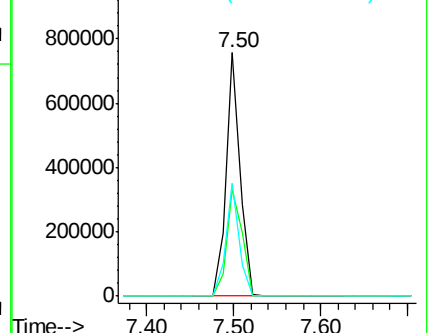
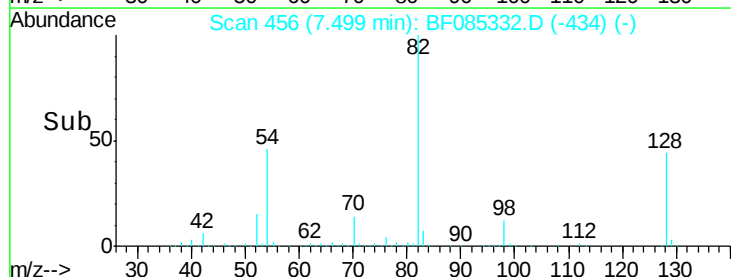
54 46.2 39.3 58.9

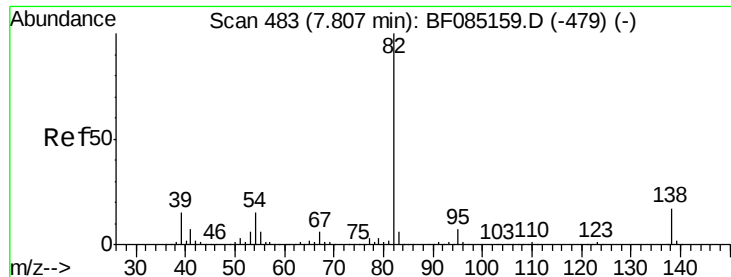


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 32.25 ng

RT: 7.50 min Scan# 456

Delta R.T. -0.31 min

Lab File: BF085332.D

Acq: 10 Mar 2016 14:44

Instrument :

BNA\_F

ClientSampleId :

1602294167

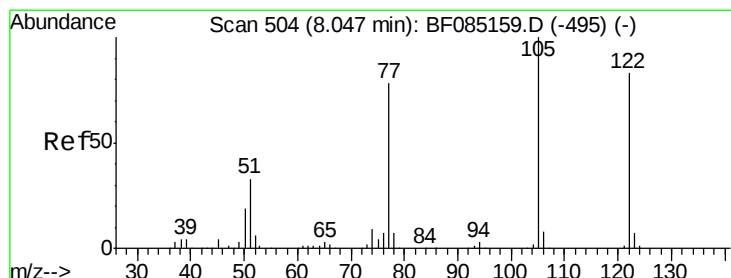
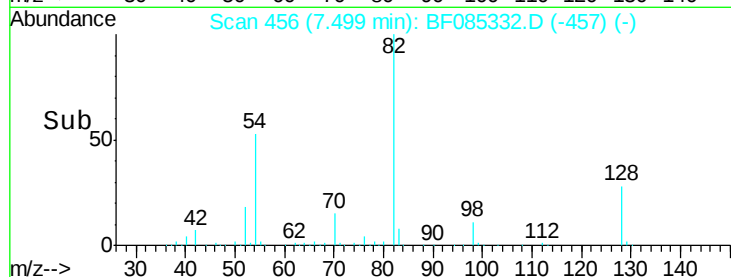
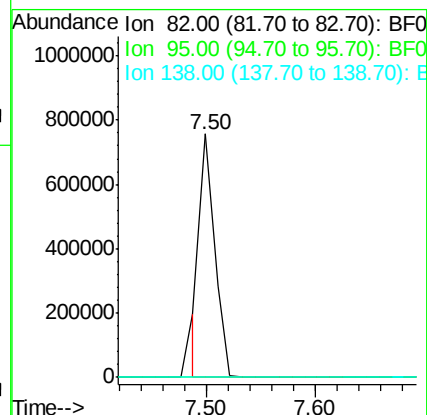
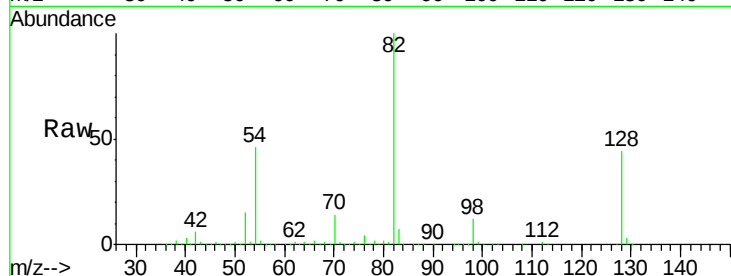
Tgt Ion: 82 Resp: 720961

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

138 0.0 13.3 19.9#



#32

Benzoic acid

Concen: 3.00 ng

RT: 7.93 min Scan# 494

Delta R.T. -0.11 min

Lab File: BF085332.D

Acq: 10 Mar 2016 14:44

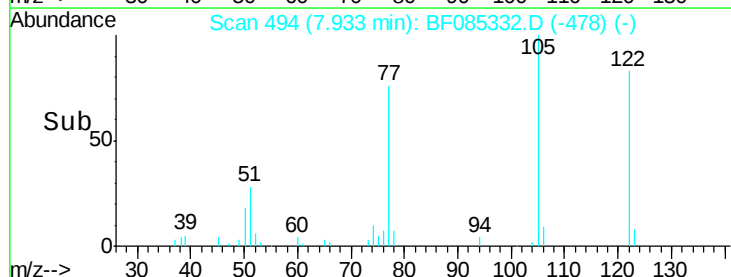
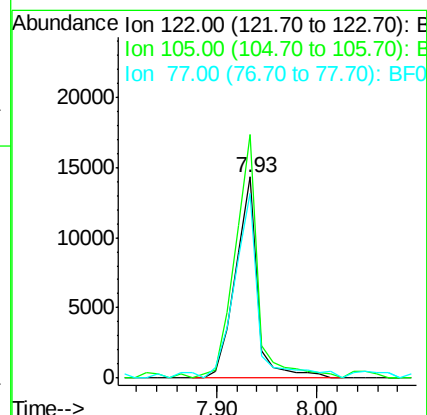
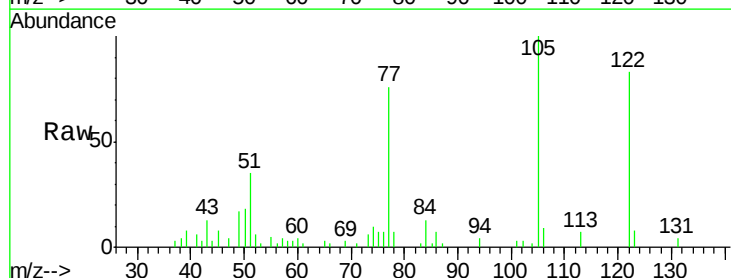
Tgt Ion: 122 Resp: 21729

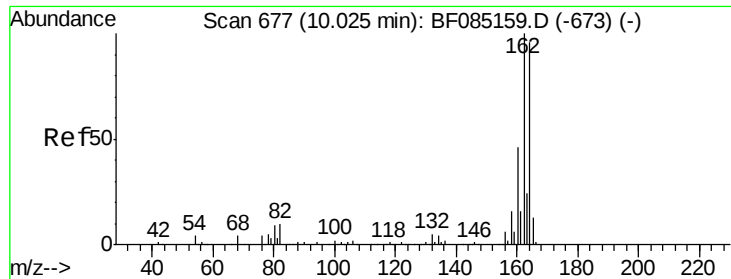
Ion Ratio Lower Upper

122 100

105 121.1 101.3 141.3

77 92.0 74.7 114.7

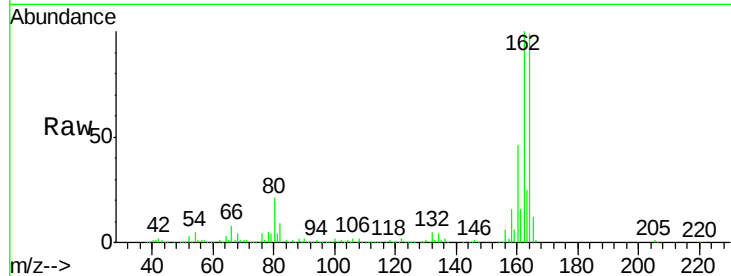




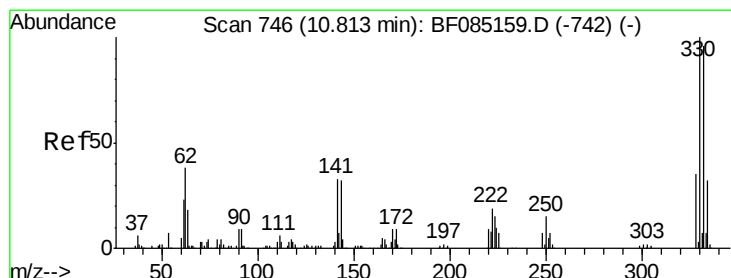
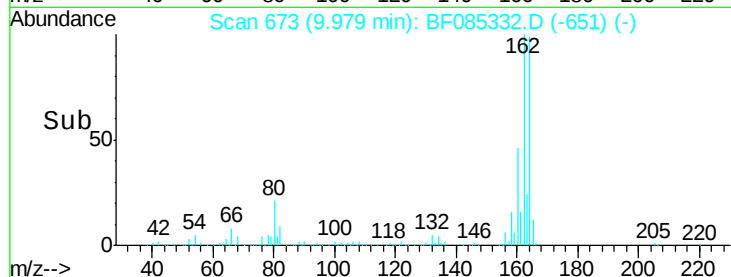
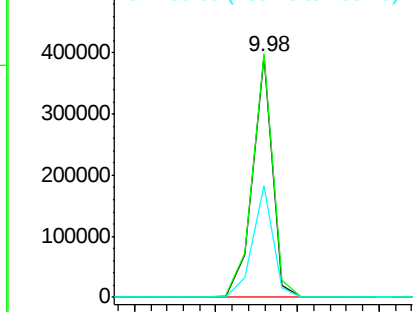
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.98 min Scan# 673  
Delta R.T. -0.05 min  
Lab File: BF085332.D  
Acq: 10 Mar 2016 14:44

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:164 Resp: 333872  
Ion Ratio Lower Upper  
164 100  
162 101.2 83.3 124.9  
160 46.5 37.9 56.9

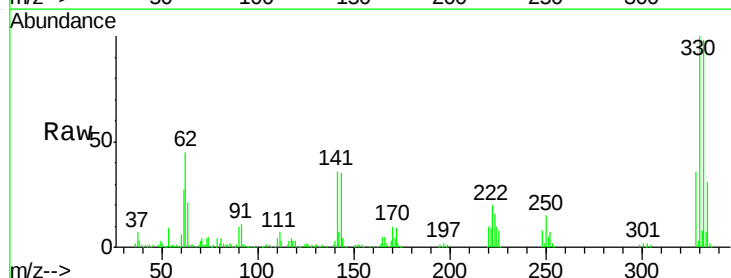


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

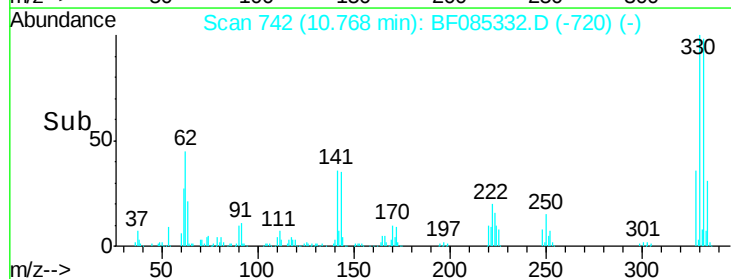
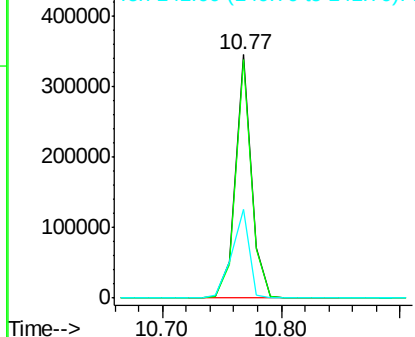


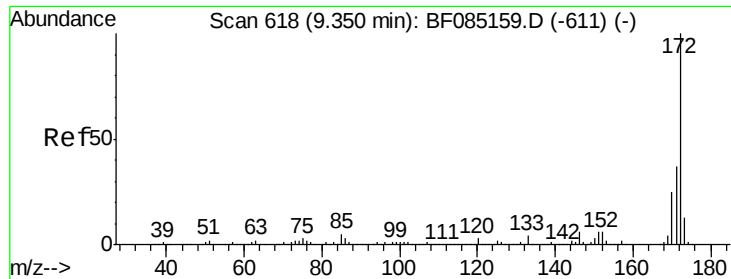
#41  
2,4,6-Tribromophenol  
Concen: 113.38 ng  
RT: 10.77 min Scan# 742  
Delta R.T. -0.05 min  
Lab File: BF085332.D  
Acq: 10 Mar 2016 14:44

Tgt Ion:330 Resp: 323897  
Ion Ratio Lower Upper  
330 100  
332 97.8 77.1 115.7  
141 39.5 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

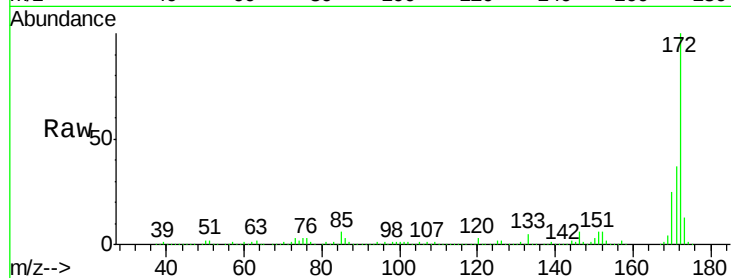




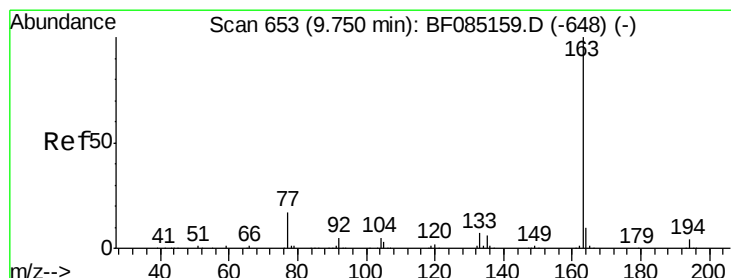
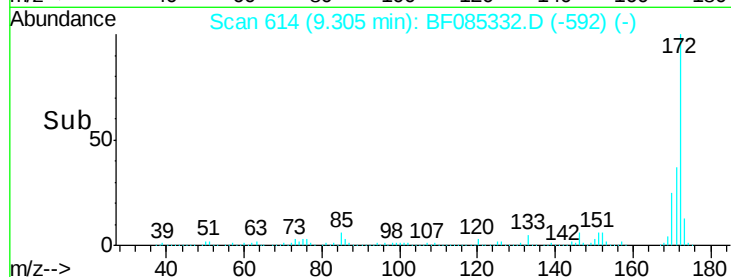
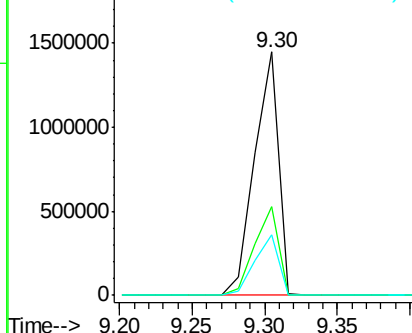
#44  
 2-Fluorobiphenyl  
 Concen: 75.55 ng  
 RT: 9.30 min Scan# 614  
 Delta R.T. -0.05 min  
 Lab File: BF085332.D  
 Acq: 10 Mar 2016 14:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1602294167

Tgt Ion:172 Resp: 1658497  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 29.3 43.9  
 170 24.7 20.0 30.0

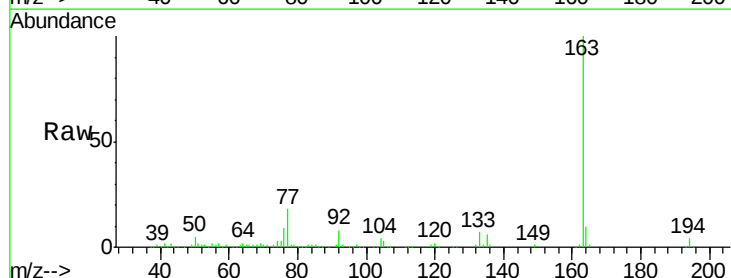


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

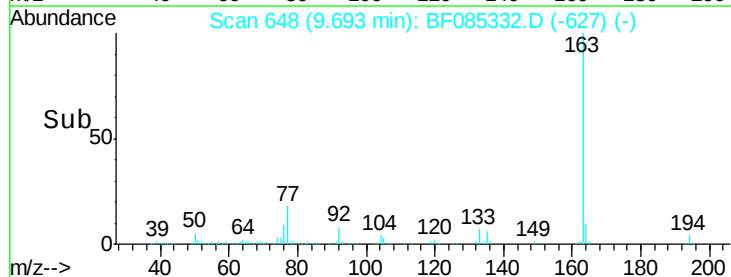
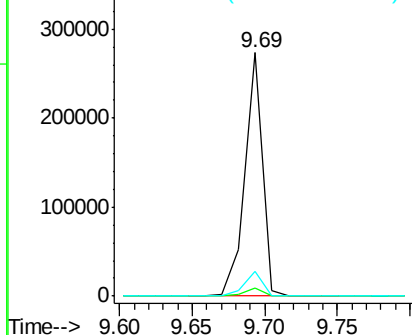


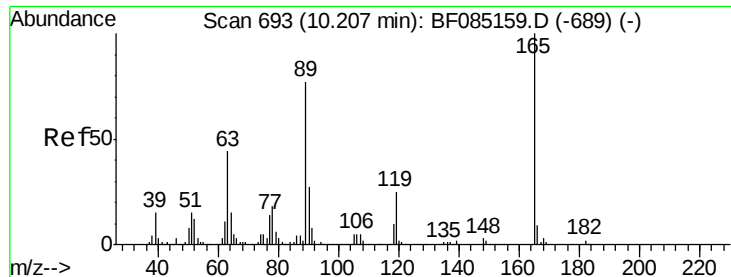
#49  
 Dimethylphthalate  
 Concen: 8.92 ng  
 RT: 9.69 min Scan# 648  
 Delta R.T. -0.06 min  
 Lab File: BF085332.D  
 Acq: 10 Mar 2016 14:44

Tgt Ion:163 Resp: 228562  
 Ion Ratio Lower Upper  
 163 100  
 194 3.5 3.1 4.7  
 164 9.9 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

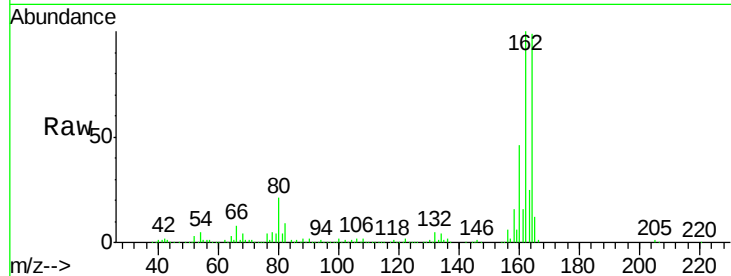




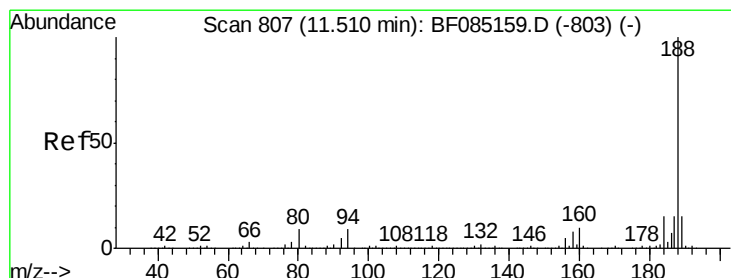
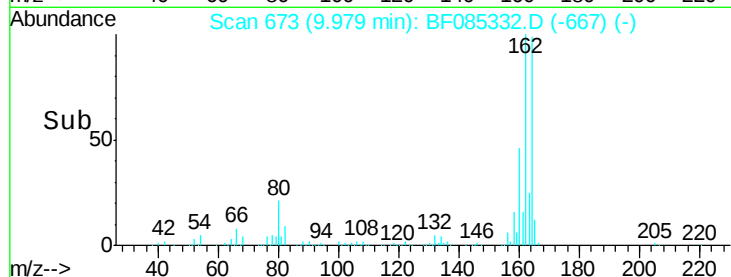
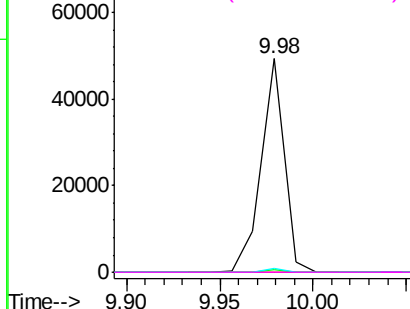
#56  
2,4-Dinitrotoluene  
Concen: 6.04 ng  
RT: 9.98 min Scan# 673  
Delta R.T. -0.23 min  
Lab File: BF085332.D  
Acq: 10 Mar 2016 14:44

Instrument :  
BNA\_F  
ClientSampleId :  
1602294167

Tgt Ion:165 Resp: 42376  
Ion Ratio Lower Upper  
165 100  
63 1.5 35.4 53.0#  
89 1.7 61.9 92.9#  
182 0.0 1.9 2.9#

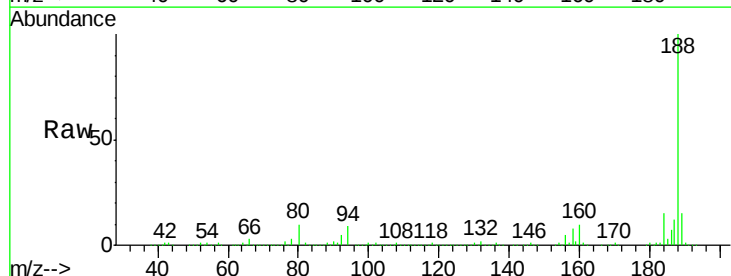


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0  
Ion 182.00 (181.70 to 182.70): E

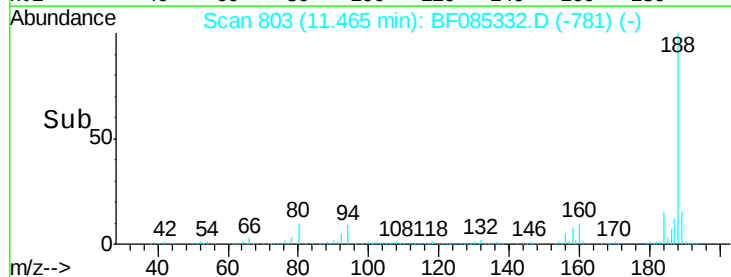
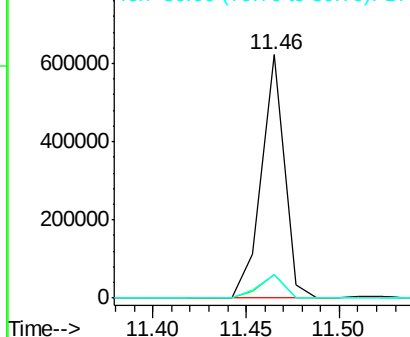


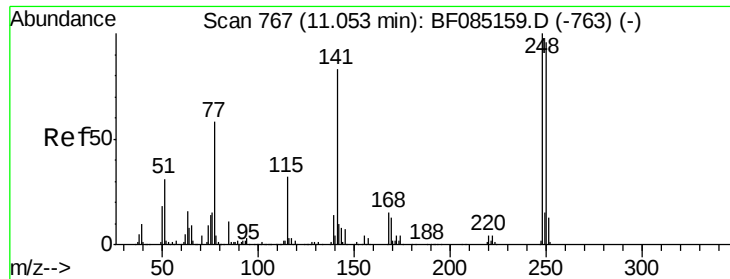
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.46 min Scan# 803  
Delta R.T. -0.05 min  
Lab File: BF085332.D  
Acq: 10 Mar 2016 14:44

Tgt Ion:188 Resp: 529594  
Ion Ratio Lower Upper  
188 100  
94 9.4 7.0 10.6  
80 9.8 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

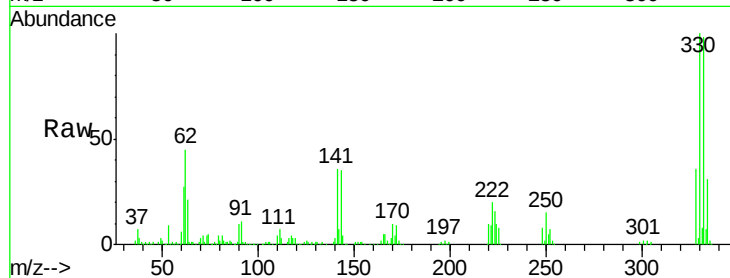




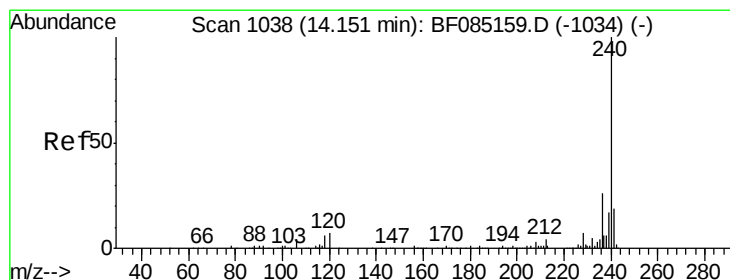
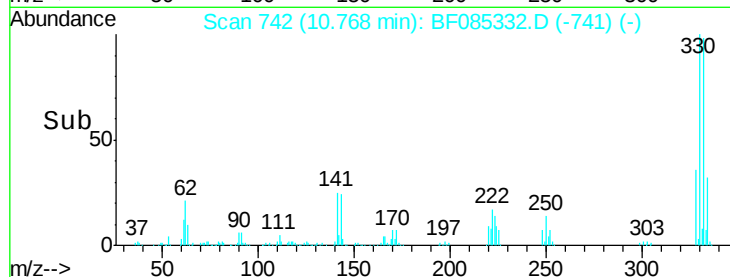
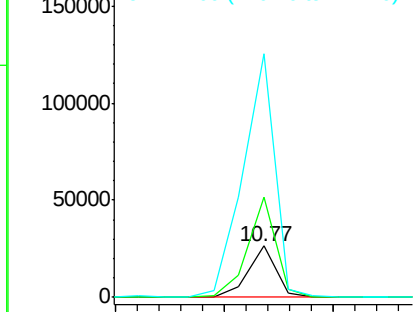
#66  
4-Bromophenyl-phenylether  
Concen: 4.59 ng  
RT: 10.77 min Scan# 742  
Delta R.T. -0.29 min  
Lab File: BF085332.D  
Acq: 10 Mar 2016 14:44

Instrument :  
BNA\_F  
ClientSampleId :  
1602294167

Tgt Ion:248 Resp: 23579  
Ion Ratio Lower Upper  
248 100  
250 195.9 77.1 115.7#  
141 474.0 66.2 99.2#

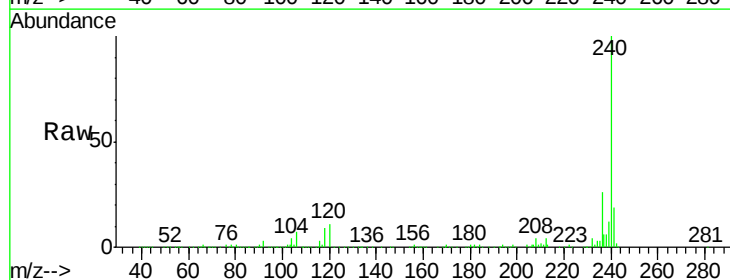


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

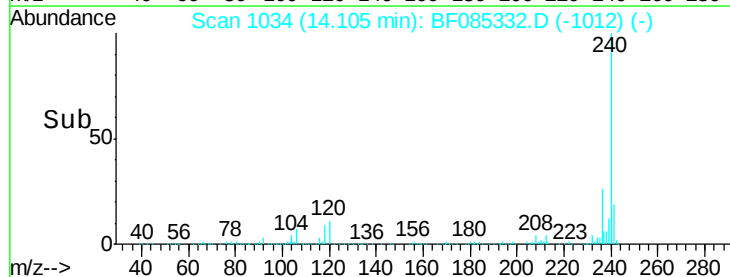
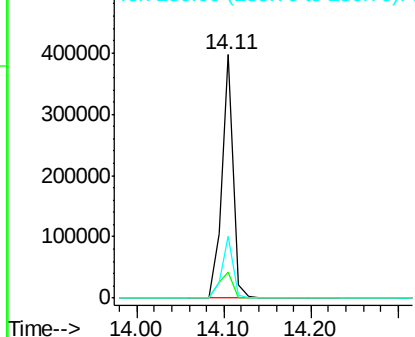


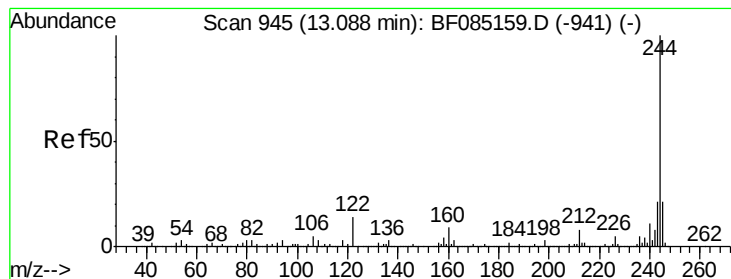
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.11 min Scan# 1034  
Delta R.T. -0.05 min  
Lab File: BF085332.D  
Acq: 10 Mar 2016 14:44

Tgt Ion:240 Resp: 364213  
Ion Ratio Lower Upper  
240 100  
120 10.5 5.3 7.9#  
236 25.6 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: 75.13 ng

RT: 13.05 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF085332.D

Acq: 10 Mar 2016 14:44

Instrument :

BNA\_F

ClientSampleId :

1602294167

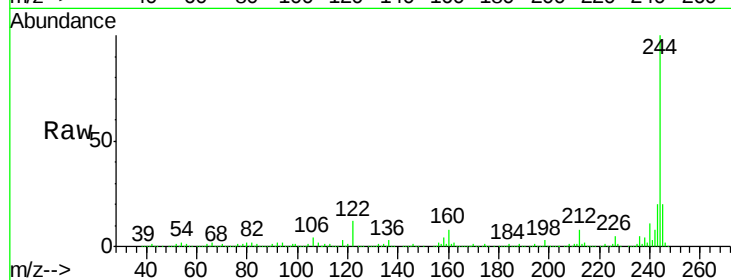
Tgt Ion:244 Resp: 1178787

Ion Ratio Lower Upper

244 100

212 7.6 6.4 9.6

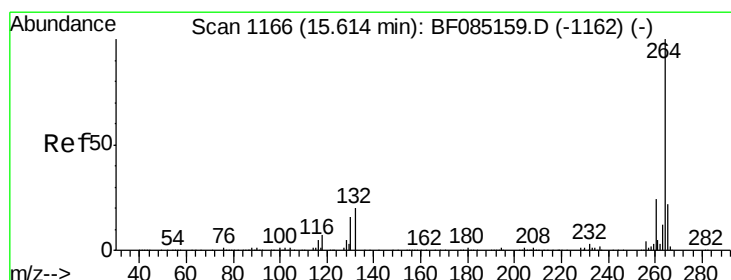
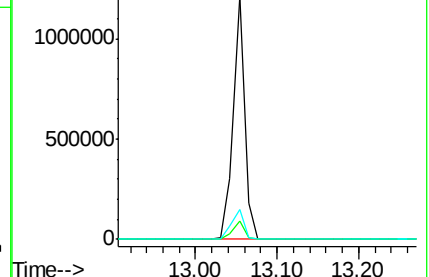
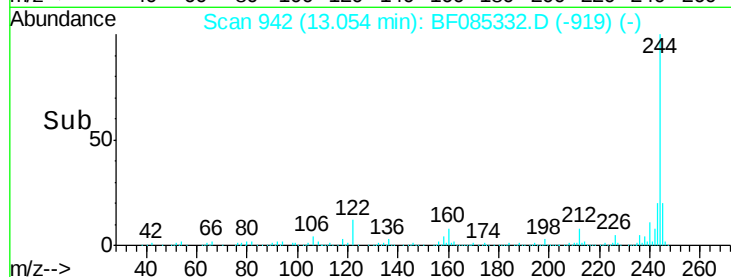
122 12.5 11.4 17.2



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: BF085332.D

Acq: 10 Mar 2016 14:44

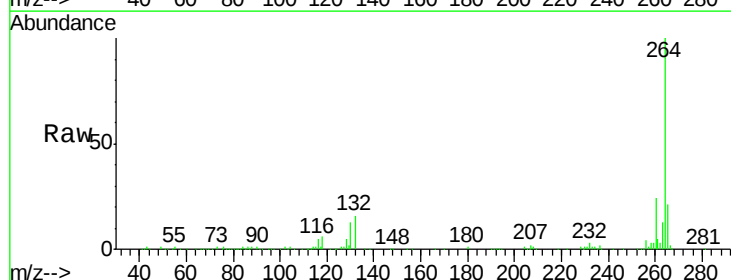
Tgt Ion:264 Resp: 272254

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.1 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

