

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080115\  
 Data File : BF080797.D  
 Acq On : 1 Aug 2015 23:39  
 Operator : TP/UM  
 Sample : G3127-11  
 Misc :  
 ALS Vial : 83 Sample Multiplier: 1

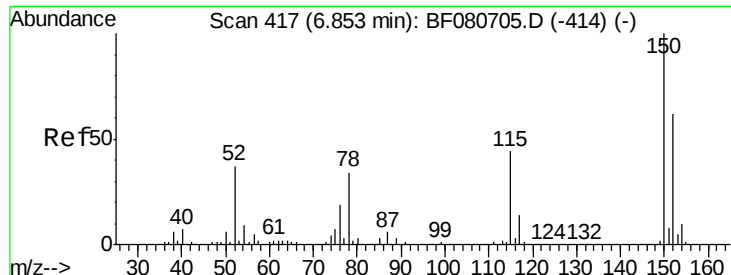
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RAMP-AC-1(0-2)

Quant Time: Aug 03 03:51:47 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF073015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 31 01:45:22 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 145488   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.13  | 136  | 491437   | 20.00     | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.88  | 164  | 208240   | 20.00     | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.37 | 188  | 347430   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12               | 14.00 | 240  | 399598   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12               | 15.41 | 264  | 362950   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.46  | 112  | 838576   | 98.88     | ng    | 0.01     |
| 7) Phenol-d6                   | 6.49  | 99   | 1266024  | 109.65    | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.41  | 82   | 717874   | 70.74     | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.67 | 330  | 193390   | 89.50     | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.21  | 172  | 1028736  | 73.70     | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.96 | 244  | 727394   | 34.43     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.49  | 77   | 1706     | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70   | 99527    | 12.80     | ng    | # 73     |
| 25) Isophorone                 | 7.41  | 82   | 713063   | 39.51     | ng    | # 71     |
| 49) Dimethylphthalate          | 9.61  | 163  | 308772   | 21.04     | ng    | # 98     |
| 56) 2,4-Dinitrotoluene         | 9.88  | 165  | 26039    | 6.38      | ng    | # 16     |
| 66) 4-Bromophenyl-phenylether  | 10.67 | 248  | 12384    | 3.45      | ng    | # 1      |
| 79) Butylbenzylphthalate       | 13.42 | 149  | 17703    | 3.00      | ng    | # 80     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.79 | 276  | 2158     | 2.72      | ng    | # 1      |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF080797.D

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BNA\_F

ClientSampleId :

RAMP-AC-1(0-2)

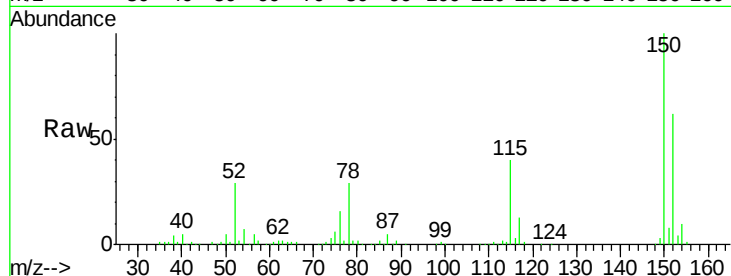
Tot Ion:152 Resp: 145488

Ion Ratio Lower Upper

152 100

150 160.0 129.6 194.4

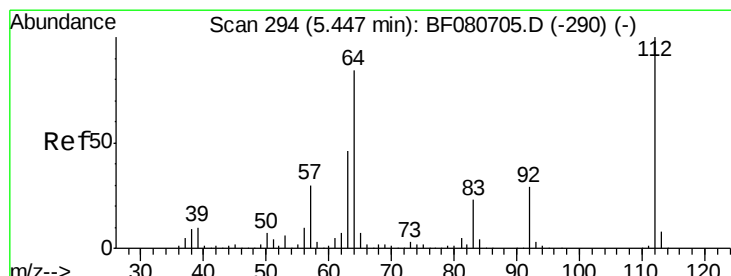
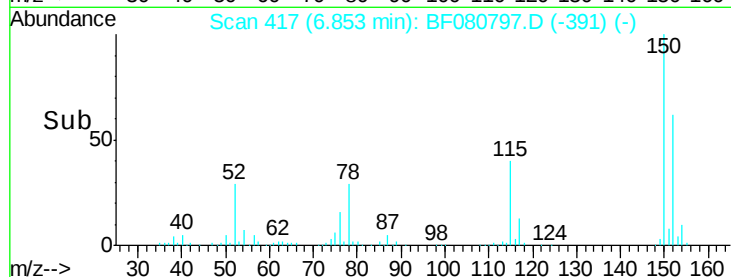
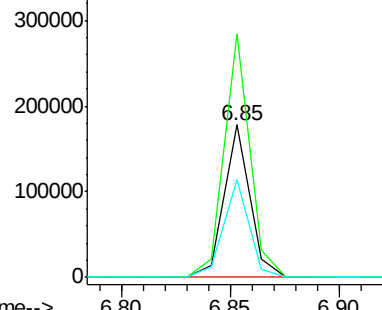
115 64.5 56.6 85.0



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: 98.88 ng

RT: 5.46 min Scan# 295

Delta R.T. 0.01 min

Lab File: BF080797.D

Acq: 1 Aug 2015 23:39

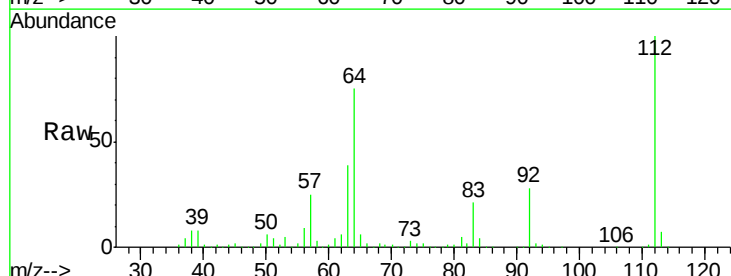
Tgt Ion:112 Resp: 838576

Ion Ratio Lower Upper

112 100

64 75.1 66.8 100.2

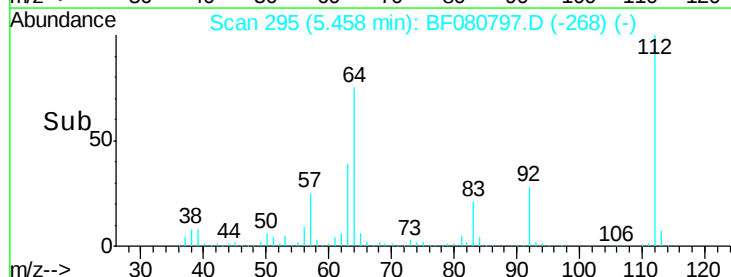
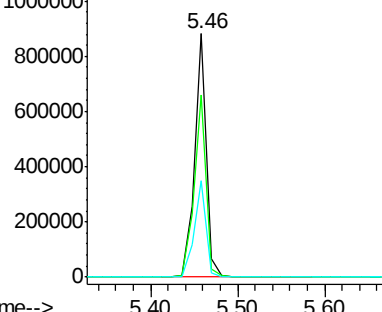
63 39.5 36.7 55.1

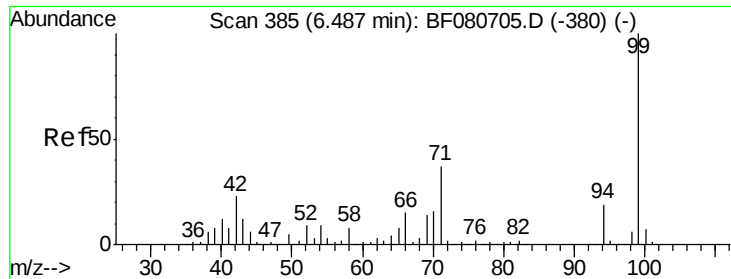


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 109.65 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF080797.D

Acq: 1 Aug 2015 23:39

Instrument :

BNA\_F

ClientSampleId :

RAMP-AC-1(0-2)

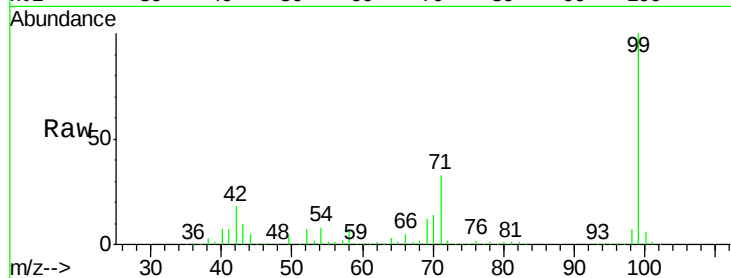
Tot Ion: 99 Resp: 1266024

Ion Ratio Lower Upper

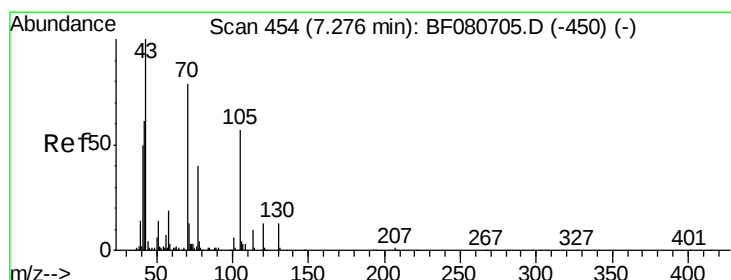
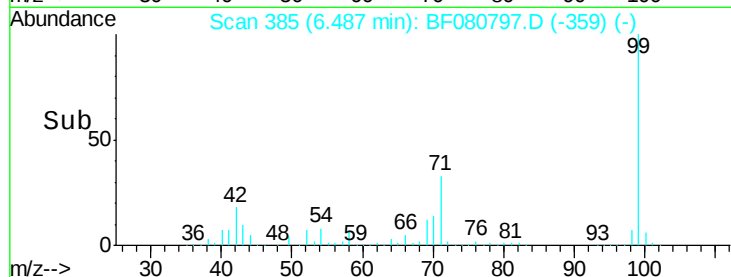
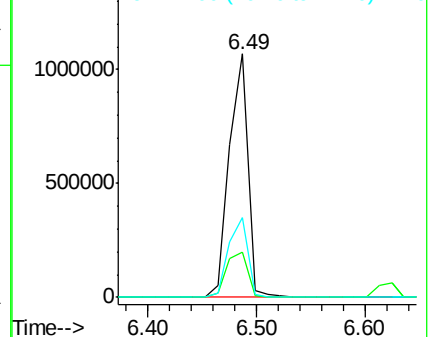
99 100

42 18.4 18.2 27.2

71 32.5 29.5 44.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.80 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF080797.D

Acq: 1 Aug 2015 23:39

Tgt Ion: 70 Resp: 99527

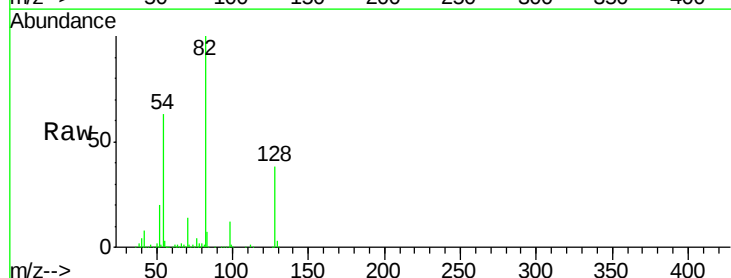
Ion Ratio Lower Upper

70 100

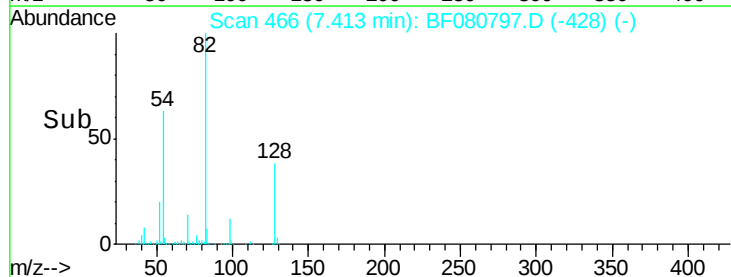
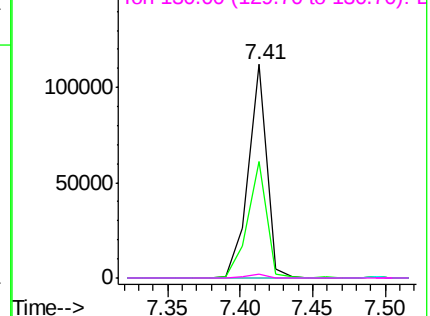
42 54.5 61.8 92.6#

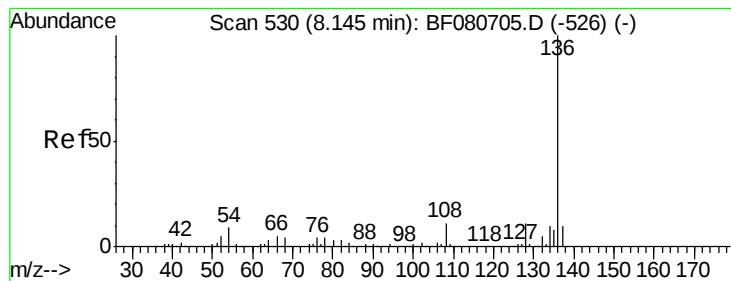
101 0.0 6.1 9.1#

130 1.7 12.9 19.3#



Abundance Ion 70.00 (69.70 to 70.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 101.00 (100.70 to 101.70): BF0  
Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF080797.D

Acq: 1 Aug 2015 23:39

Instrument :

BNA\_F

ClientSampleId :

RAMP-AC-1(0-2)

Tot Ion:136 Resp: 491437

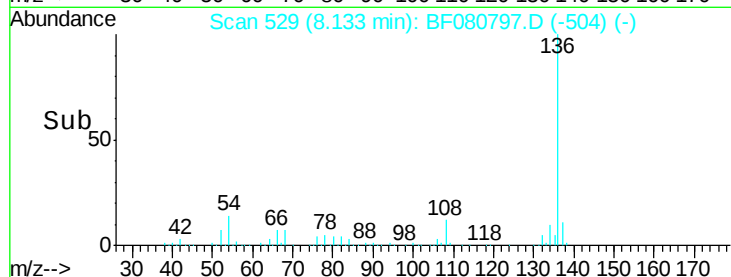
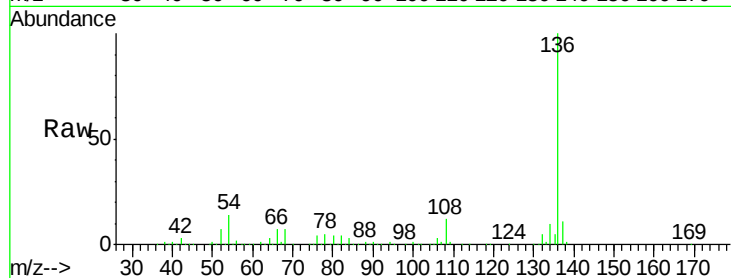
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 14.0 6.9 10.3#

68 7.1 3.5 5.3#



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

8.13

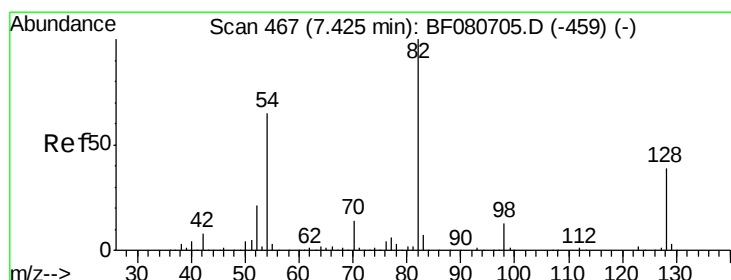
600000

400000

200000

0

Time-->



#23

Nitrobenzene-d5

Concen: 70.74 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.01 min

Lab File: BF080797.D

Acq: 1 Aug 2015 23:39

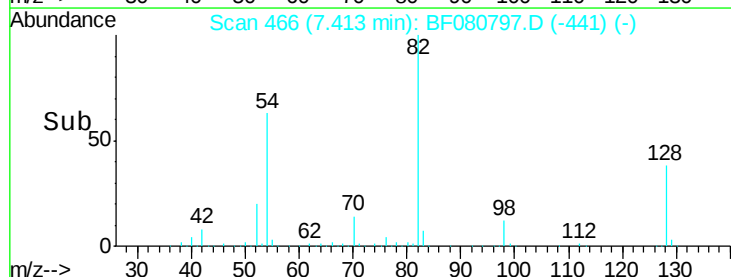
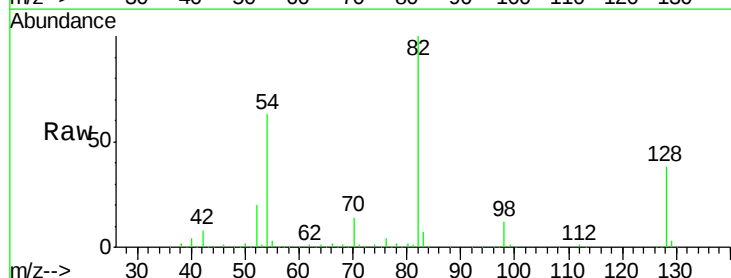
Tgt Ion: 82 Resp: 717874

Ion Ratio Lower Upper

82 100

128 38.4 31.5 47.3

54 63.1 51.8 77.8



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

7.41

1000000

800000

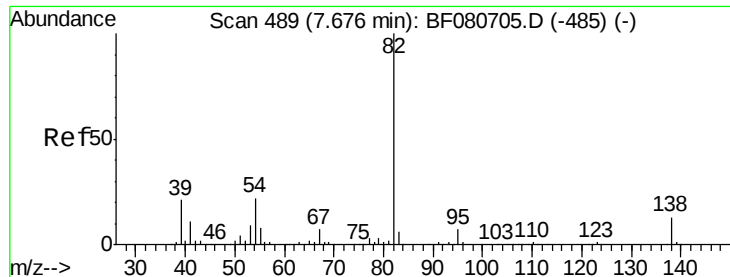
600000

400000

200000

0

Time-->



#25

Isophorone

Concen: 39.51 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.26 min

Lab File: BF080797.D

Acq: 1 Aug 2015 23:39

Instrument :

BNA\_F

ClientSampleId :

RAMP-AC-1(0-2)

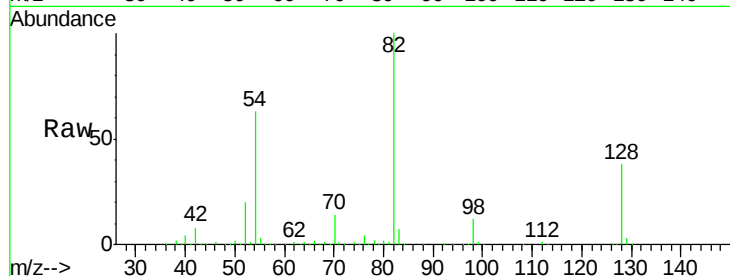
Tot Ion: 82 Resp: 713063

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

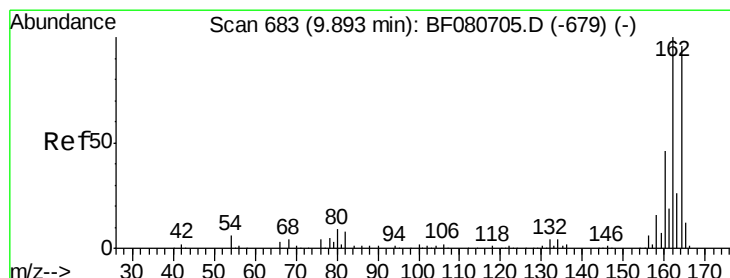
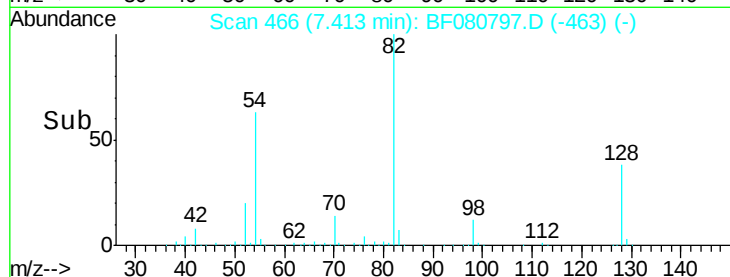
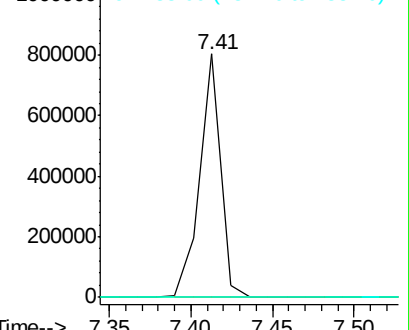
138 0.0 10.7 16.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF080797.D

Acq: 1 Aug 2015 23:39

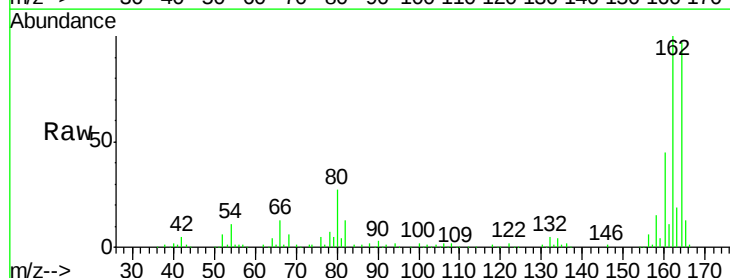
Tgt Ion: 164 Resp: 208240

Ion Ratio Lower Upper

164 100

162 102.9 83.4 125.0

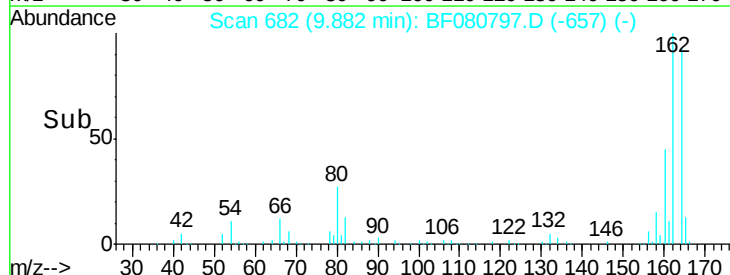
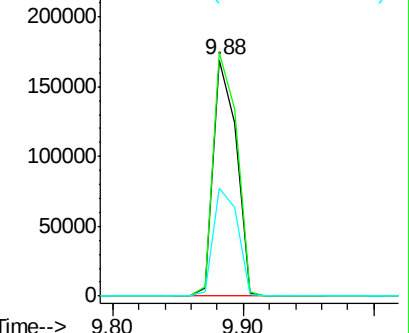
160 45.9 38.0 57.0

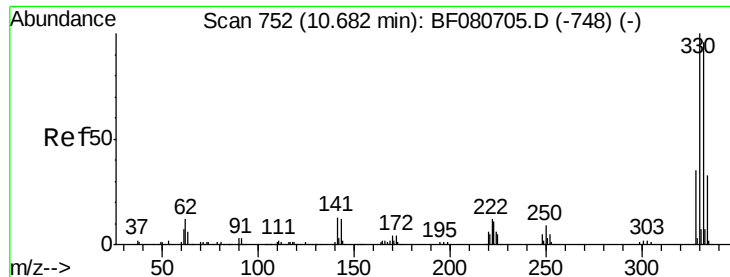


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

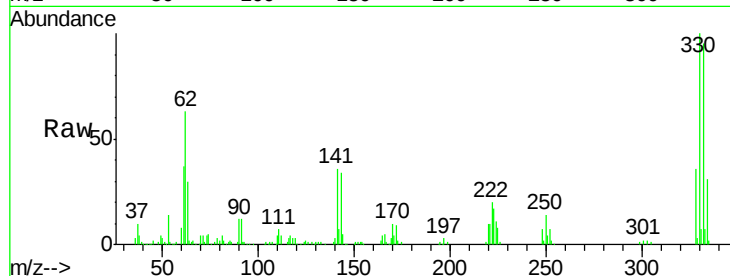




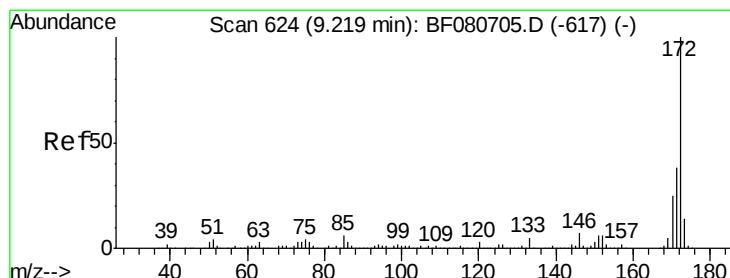
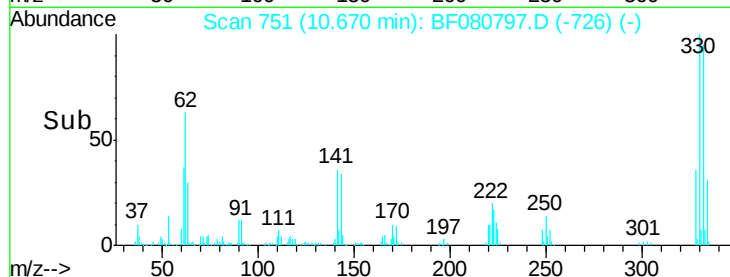
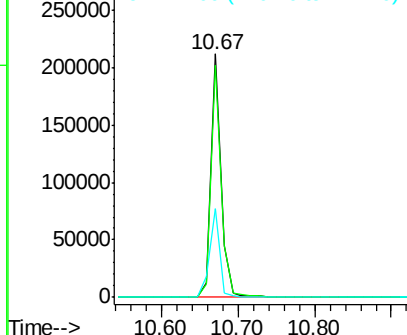
#41  
 2,4,6-Tribromophenol  
 Concen: 89.50 ng  
 RT: 10.67 min Scan# 751  
 Delta R.T. -0.01 min  
 Lab File: BF080797.D  
 Acq: 1 Aug 2015 23:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RAMP-AC-1(0-2)

Tot Ion:330 Resp: 193390  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 76.6 114.8  
 141 36.0 26.0 39.0

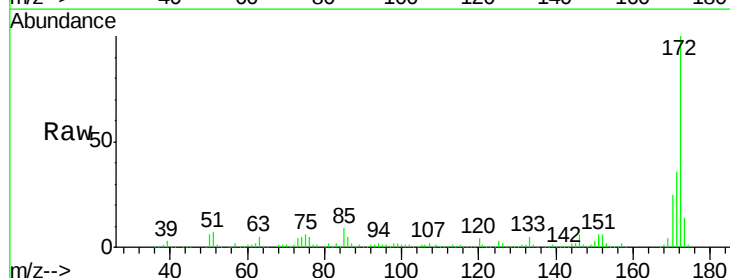


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

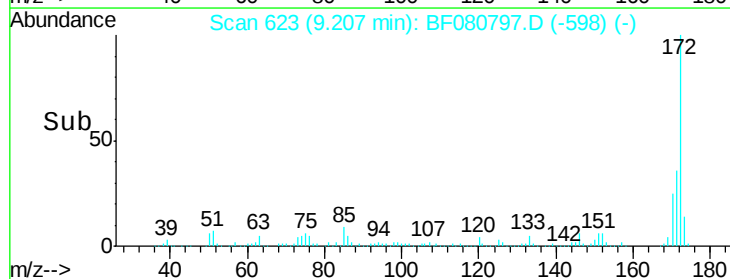
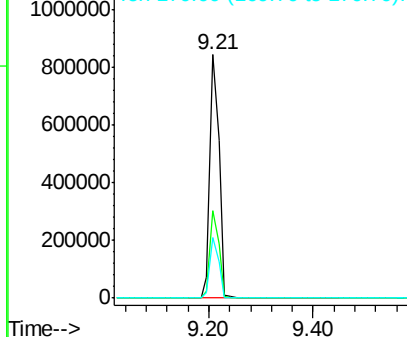


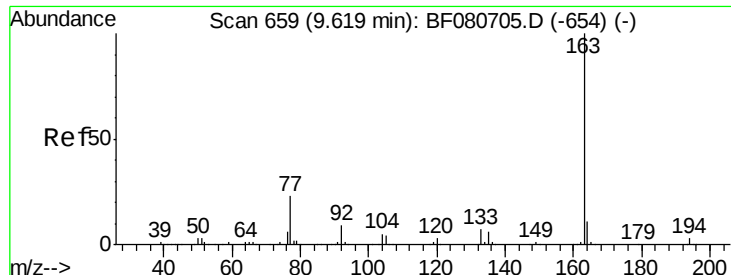
#44  
 2-Fluorobiphenyl  
 Concen: 73.70 ng  
 RT: 9.21 min Scan# 623  
 Delta R.T. -0.01 min  
 Lab File: BF080797.D  
 Acq: 1 Aug 2015 23:39

Tgt Ion:172 Resp: 1028736  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 30.2 45.4  
 170 24.8 20.2 30.2



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

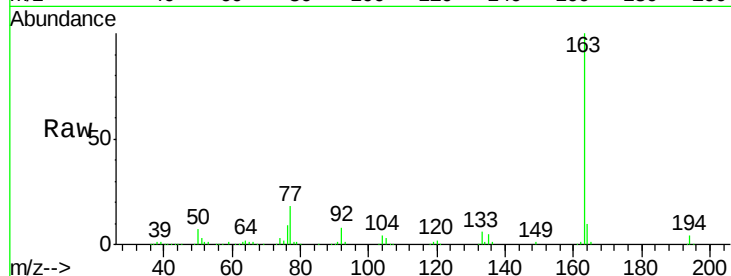




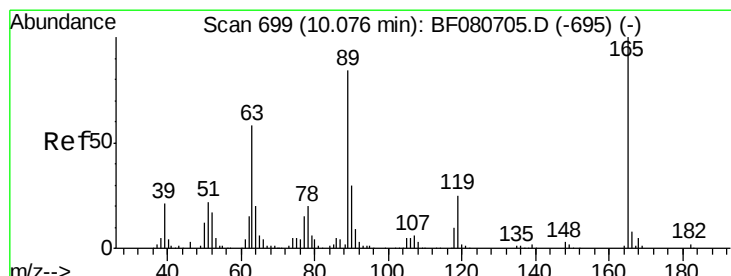
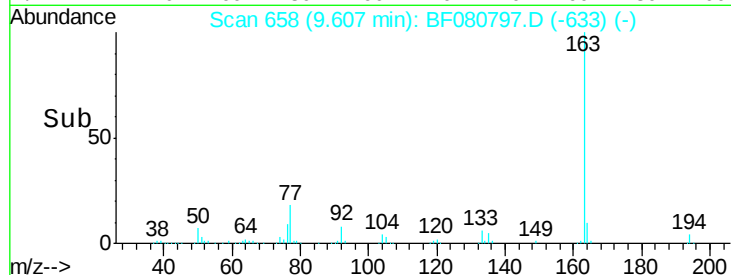
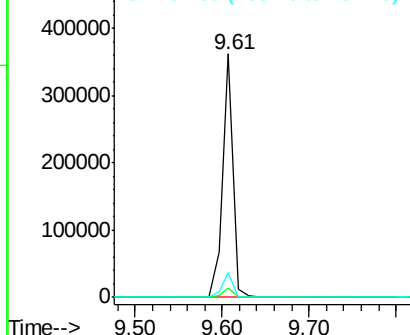
#49  
Dimethylphthalate  
Concen: 21.04 ng  
RT: 9.61 min Scan# 658  
Delta R.T. -0.01 min  
Lab File: BF080797.D  
Acq: 1 Aug 2015 23:39

Instrument :  
BNA\_F  
ClientSampleId :  
RAMP-AC-1(0-2)

Tot Ion:163 Resp: 308772  
Ion Ratio Lower Upper  
163 100  
194 3.9 2.7 4.1  
164 10.3 8.7 13.1

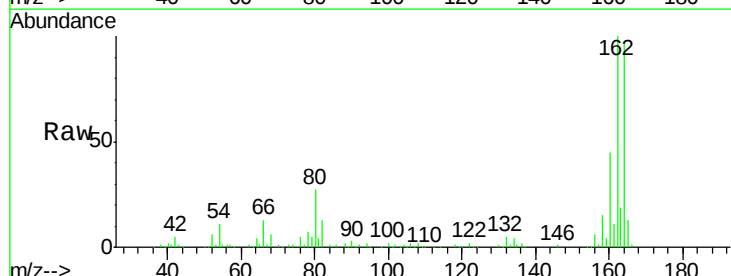


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

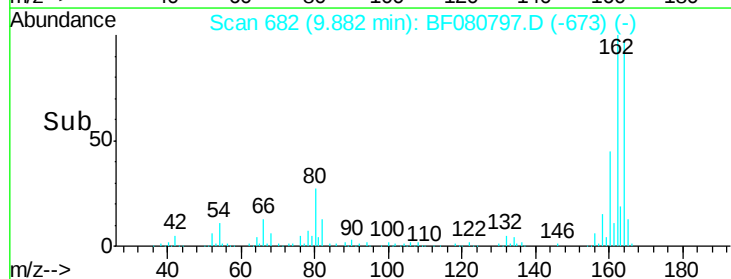
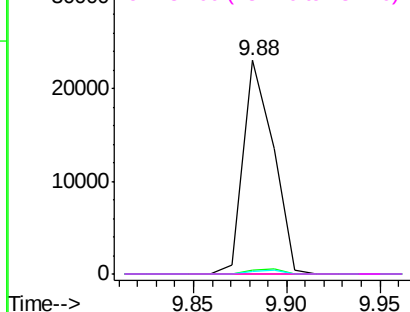


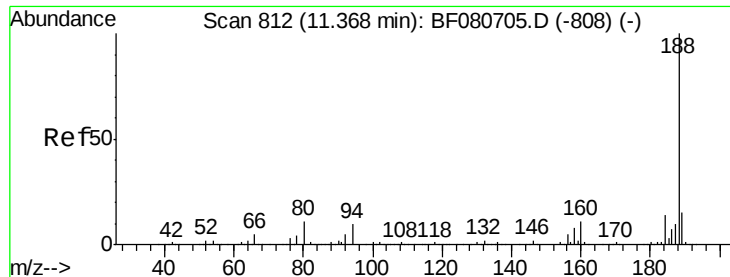
#56  
2,4-Dinitrotoluene  
Concen: 6.38 ng  
RT: 9.88 min Scan# 682  
Delta R.T. -0.19 min  
Lab File: BF080797.D  
Acq: 1 Aug 2015 23:39

Tgt Ion:165 Resp: 26039  
Ion Ratio Lower Upper  
165 100  
63 1.5 46.7 70.1#  
89 1.3 67.4 101.2#  
182 0.0 1.8 2.6#



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

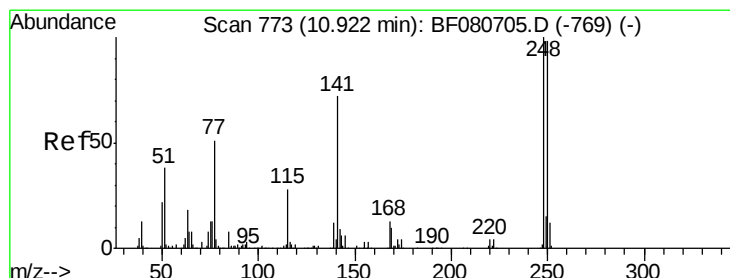
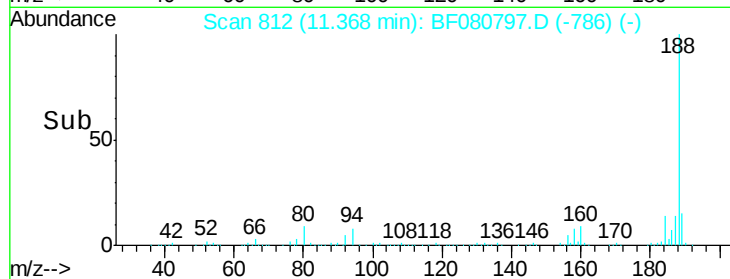
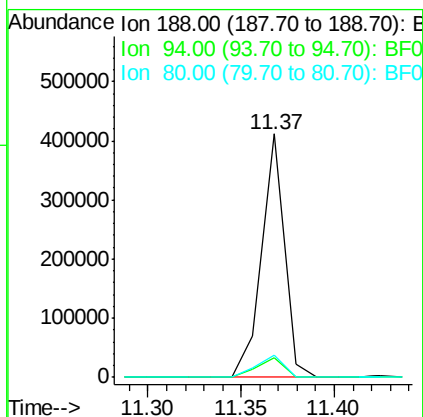
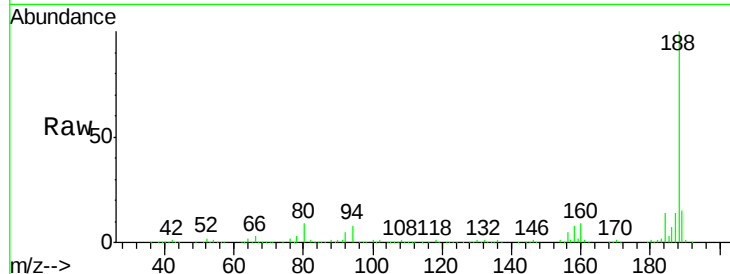




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.37 min Scan# 812  
 Delta R.T. -0.00 min  
 Lab File: BF080797.D  
 Acq: 1 Aug 2015 23:39

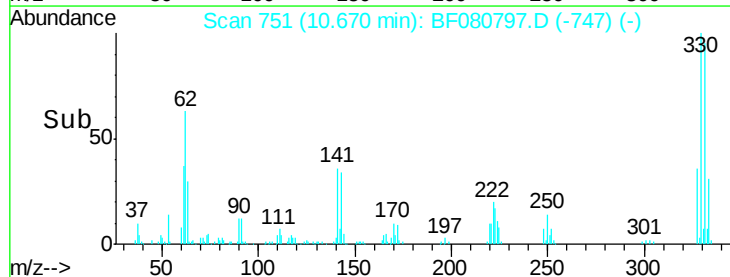
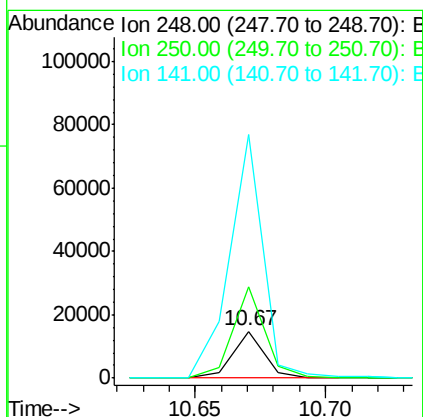
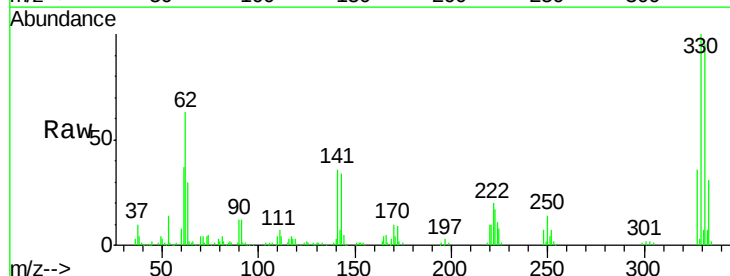
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RAMP-AC-1(0-2)

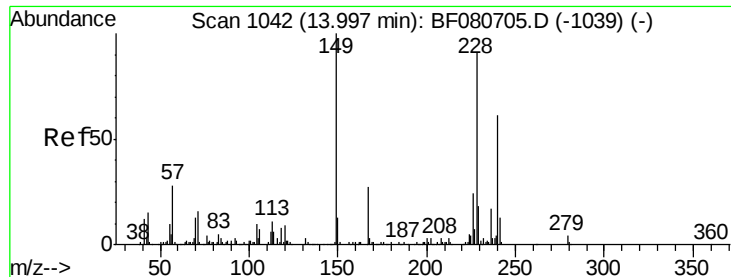
Tot Ion:188 Resp: 347430  
 Ion Ratio Lower Upper  
 188 100  
 94 8.3 8.1 12.1  
 80 9.1 9.1 13.7#



#66  
 4-Bromophenyl-phenylether  
 Concen: 3.45 ng  
 RT: 10.67 min Scan# 751  
 Delta R.T. -0.25 min  
 Lab File: BF080797.D  
 Acq: 1 Aug 2015 23:39

Tgt Ion:248 Resp: 12384  
 Ion Ratio Lower Upper  
 248 100  
 250 195.0 78.4 117.6#  
 141 521.1 57.5 86.3#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF080797.D

Acq: 1 Aug 2015 23:39

Instrument :

BNA\_F

ClientSampleId :

RAMP-AC-1(0-2)

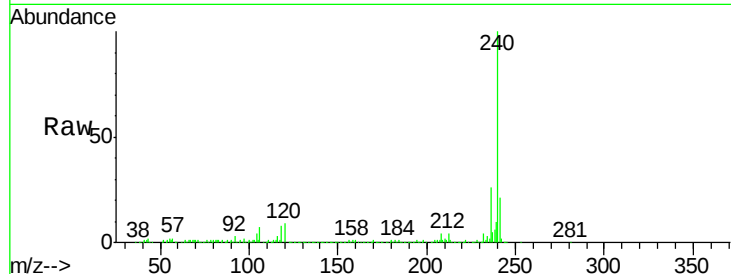
Tot Ion:240 Resp: 399598

Ion Ratio Lower Upper

240 100

120 9.4 11.8 17.8#

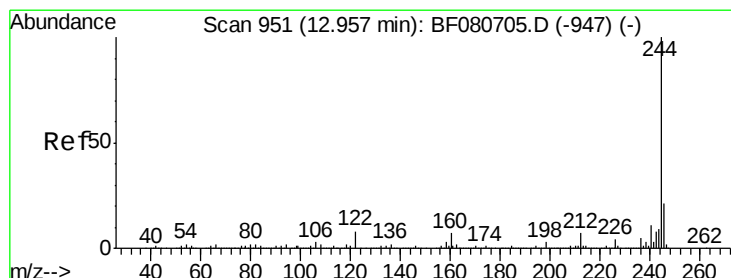
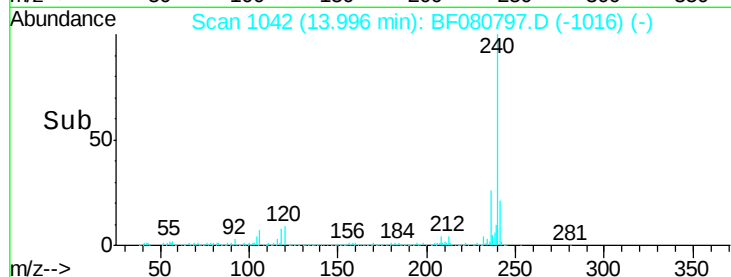
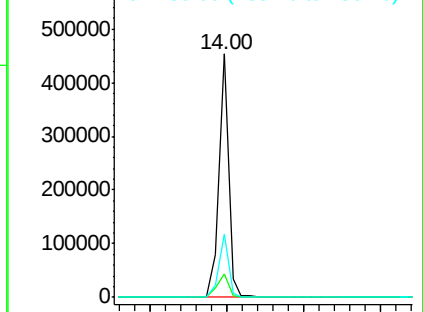
236 26.0 21.8 32.8



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: 34.43 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.00 min

Lab File: BF080797.D

Acq: 1 Aug 2015 23:39

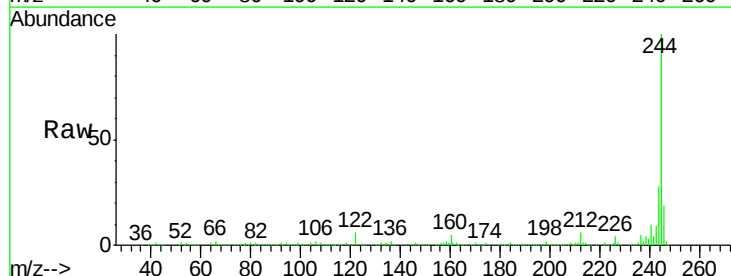
Tgt Ion:244 Resp: 727394

Ion Ratio Lower Upper

244 100

212 6.1 5.9 8.9

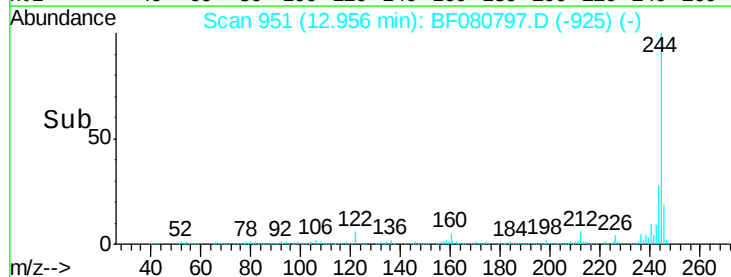
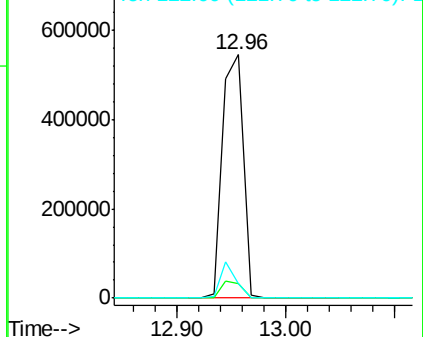
122 5.8 6.6 9.8#

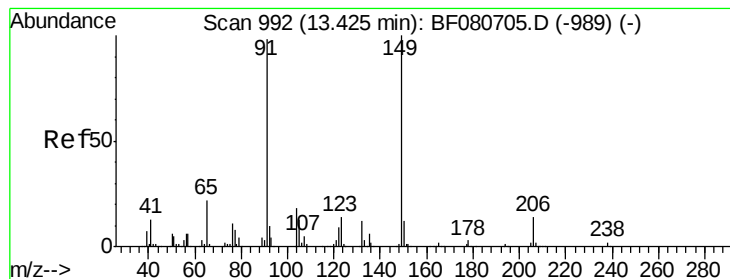


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 3.00 ng

RT: 13.42 min Scan# 992

Delta R.T. -0.00 min

Lab File: BF080797.D

Acq: 1 Aug 2015 23:39

Instrument :

BNA\_F

ClientSampleId :

RAMP-AC-1(0-2)

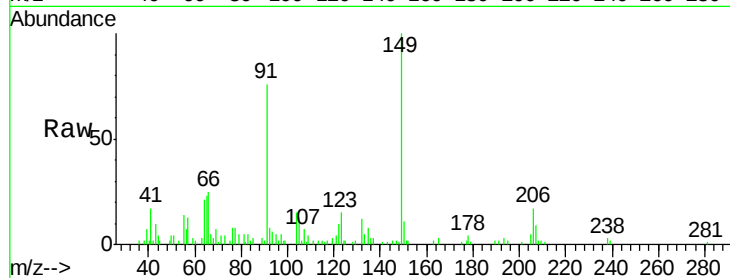
Tot Ion:149 Resp: 17703

Ion Ratio Lower Upper

149 100

91 76.2 78.6 118.0#

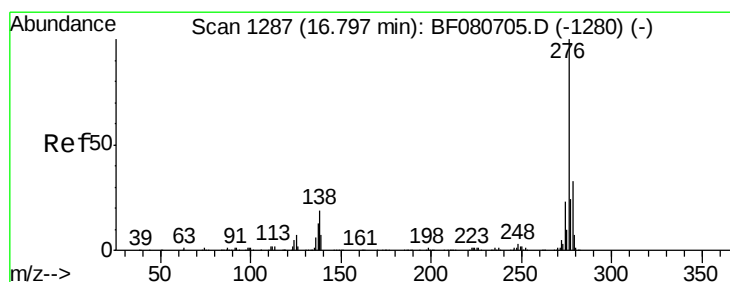
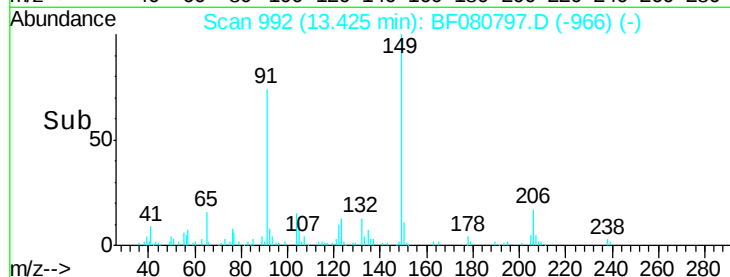
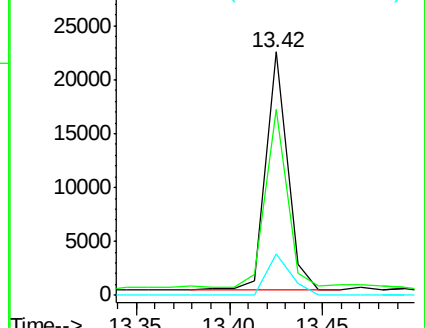
206 16.9 11.4 17.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.72 ng

RT: 16.79 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BF080797.D

Acq: 1 Aug 2015 23:39

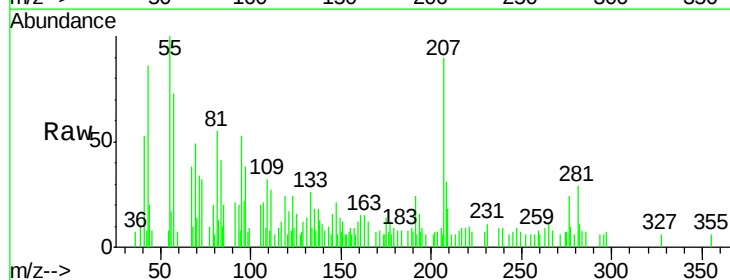
Tgt Ion:276 Resp: 2158

Ion Ratio Lower Upper

276 100

138 79.5 13.2 19.8#

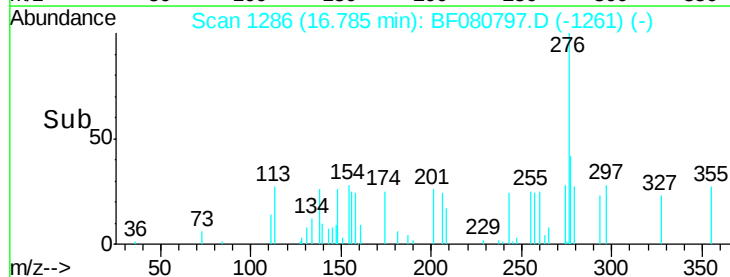
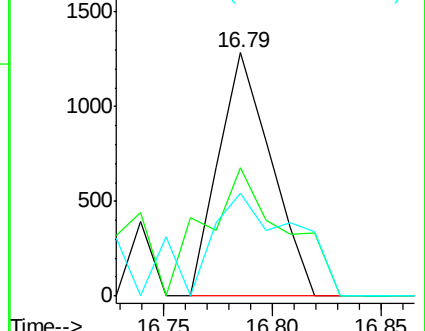
277 73.7 15.4 23.2#

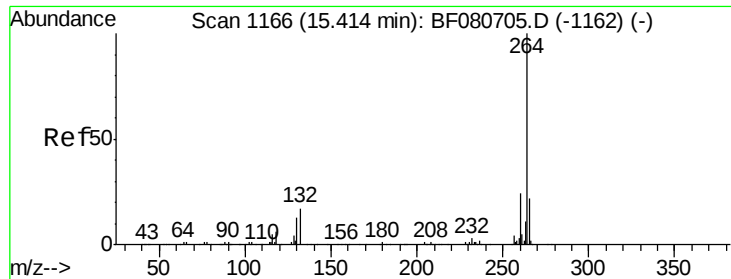


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

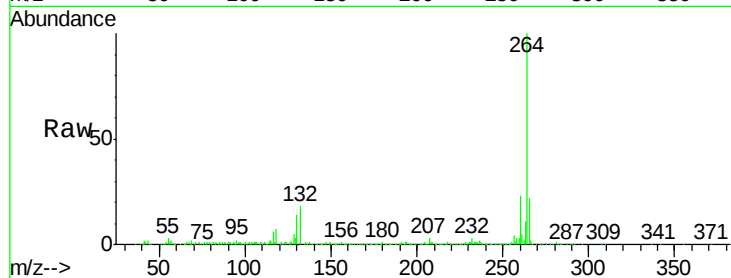




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.41 min Scan# 1166  
Delta R.T. -0.00 min  
Lab File: BF080797.D  
Acq: 1 Aug 2015 23:39

Instrument :  
BNA\_F  
ClientSampleId :  
RAMP-AC-1(0-2)

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 362950  | 264 | 100   |       |       |
|         | 260 | 23.0  | 19.4  | 29.0  |
|         | 265 | 22.3  | 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

