

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032816\  
 Data File : BF085831.D  
 Acq On : 29 Mar 2016 5:13  
 Operator : UM/SJ  
 Sample : H1942-09  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-927ANCOMP

Quant Time: Mar 29 05:11:18 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 28 15:27:05 2016  
 Response via : Initial Calibration

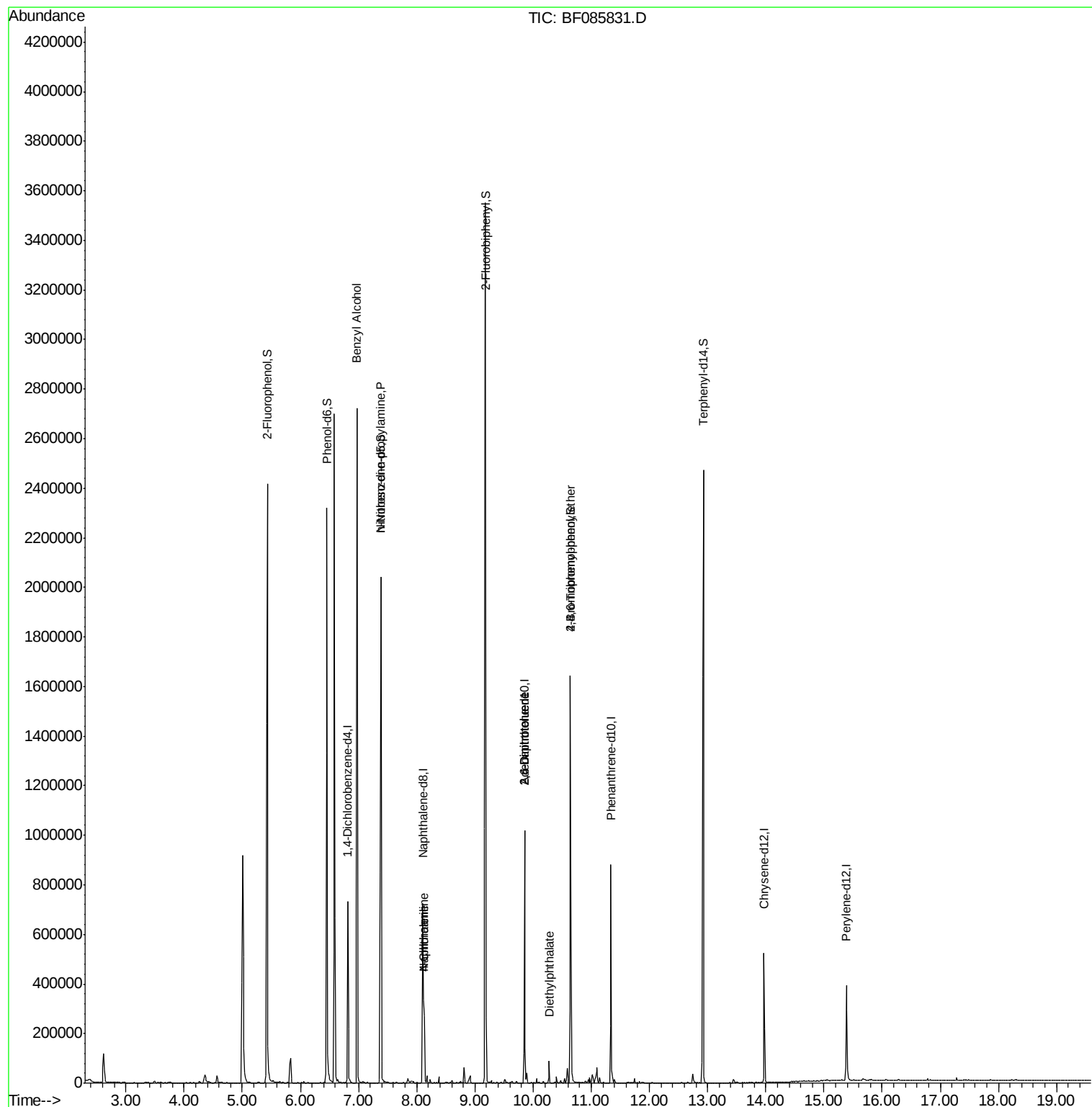
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.81  | 152  | 109801   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.10  | 136  | 431196   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.85  | 164  | 189757   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.34 | 188  | 323999   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 13.97 | 240  | 195950   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.39 | 264  | 196558   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.43  | 112  | 890439   | 135.06 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.46  | 99   | 1049977  | 125.26 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.38  | 82   | 746040   | 97.43  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.64 | 330  | 233444   | 129.48 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.18  | 172  | 1134561  | 99.89  | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.93 | 244  | 975768   | 102.41 | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.97  | 79   | 12152    | 2.17   | ng    | # 44     |
| 19) n-Nitroso-di-n-propylamine | 7.38  | 70   | 98875    | 19.70  | ng    | # 77     |
| 31) Naphthalene                | 8.13  | 128  | 205186   | 9.44   | ng    | # 98     |
| 33) 4-Chloroaniline            | 8.13  | 127  | 26429    | 2.98   | ng    | # 37     |
| 50) 2,6-Dinitrotoluene         | 9.85  | 165  | 24482    | 7.90   | ng    | # 19     |
| 56) 2,4-Dinitrotoluene         | 9.85  | 165  | 24482    | 6.22   | ng    | # 37     |
| 59) Diethylphthalate           | 10.28 | 149  | 33067    | 2.32   | ng    | # 99     |
| 66) 4-Bromophenyl-phenylether  | 10.64 | 248  | 14581    | 4.40   | ng    | # 1      |

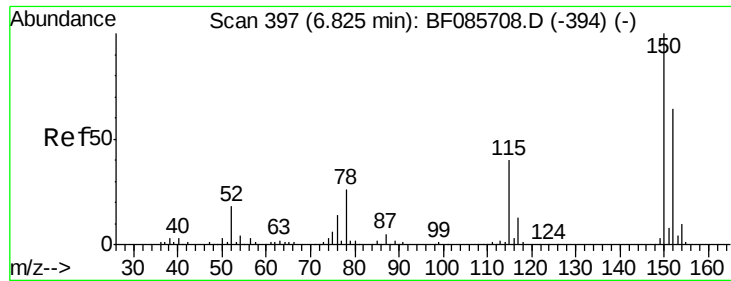
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF085831.D

Acq: 29 Mar 2016 5:13

Instrument :

BNA\_F

ClientSampleId :

B-927ANCOMP

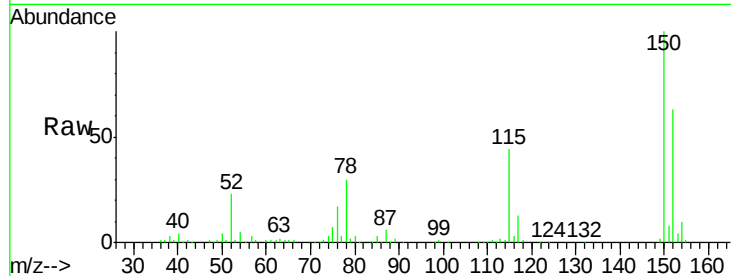
Tgt Ion:152 Resp: 109801

Ion Ratio Lower Upper

152 100

150 158.3 124.2 186.2

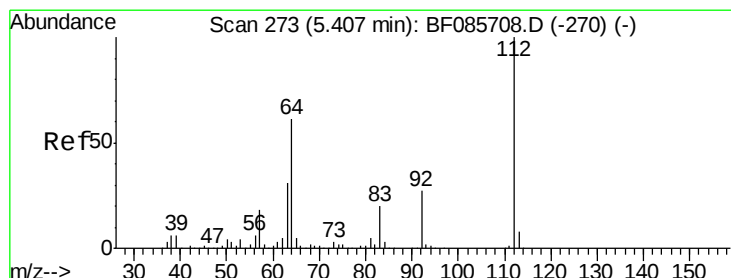
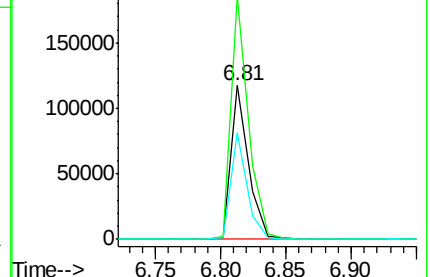
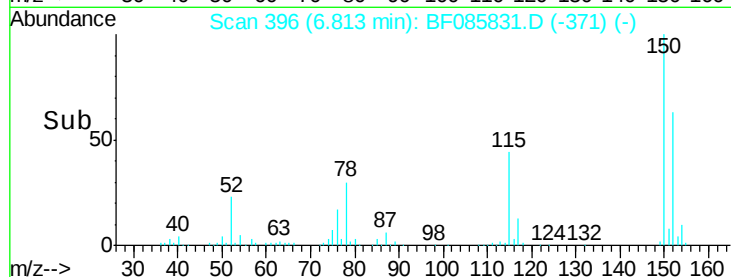
115 69.0 47.0 70.6



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: 135.06 ng

RT: 5.43 min Scan# 275

Delta R.T. 0.02 min

Lab File: BF085831.D

Acq: 29 Mar 2016 5:13

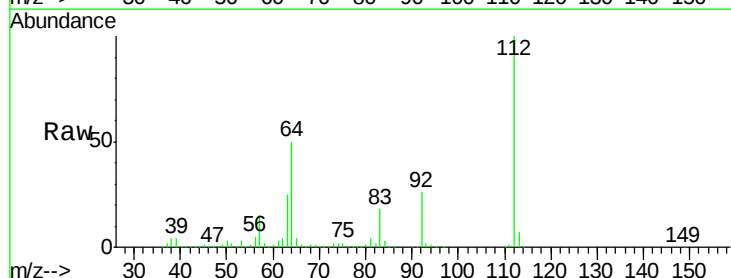
Tgt Ion:112 Resp: 890439

Ion Ratio Lower Upper

112 100

64 50.2 39.9 59.9

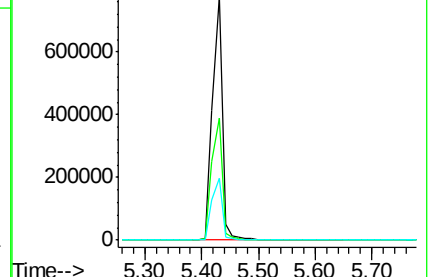
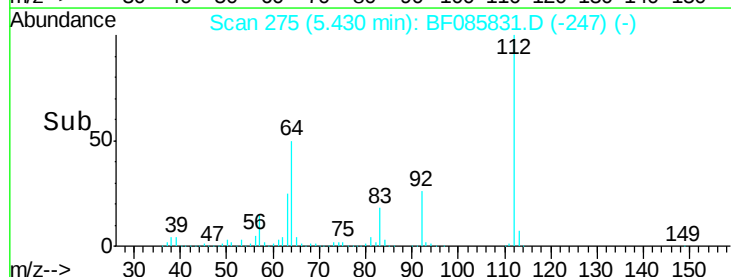
63 25.4 20.2 30.2



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: 125.26 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085831.D

Acq: 29 Mar 2016 5:13

Instrument :

BNA\_F

ClientSampleId :

B-927ANCOMP

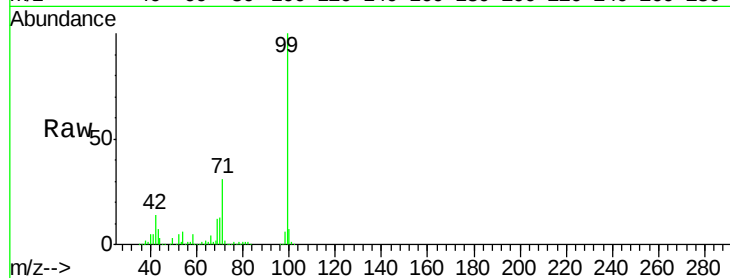
Tgt Ion: 99 Resp: 1049977

Ion Ratio Lower Upper

99 100

42 13.6 11.1 16.7

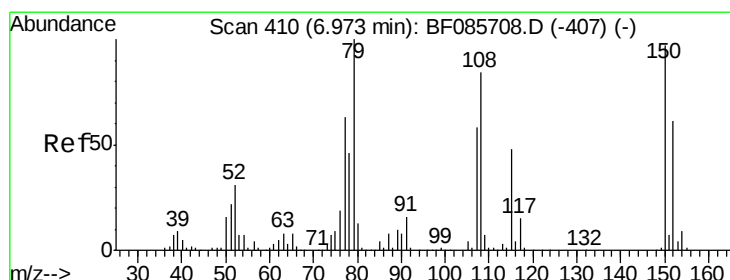
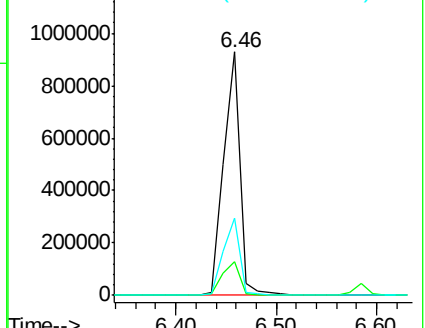
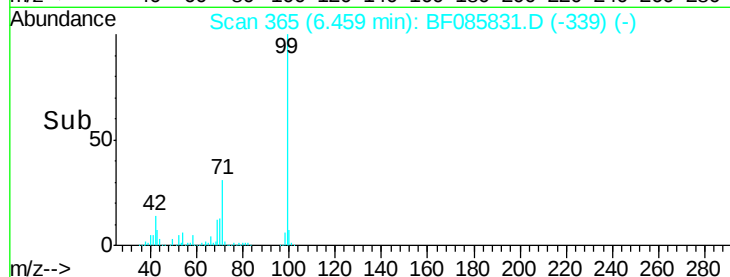
71 31.5 24.9 37.3



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



#15

Benzyl Alcohol

Concen: 2.17 ng

RT: 6.97 min Scan# 410

Delta R.T. -0.00 min

Lab File: BF085831.D

Acq: 29 Mar 2016 5:13

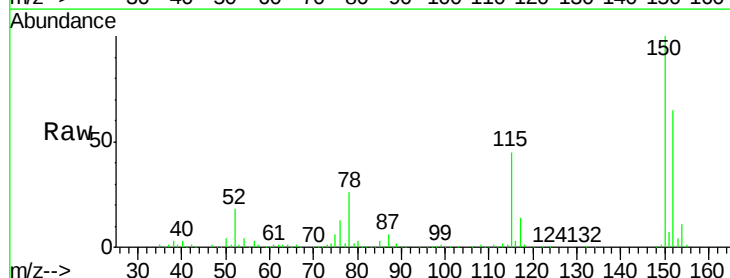
Tgt Ion: 79 Resp: 12152

Ion Ratio Lower Upper

79 100

108 33.4 61.8 92.6#

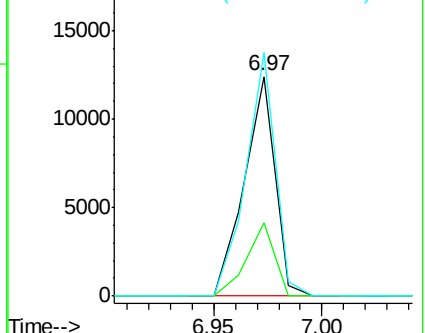
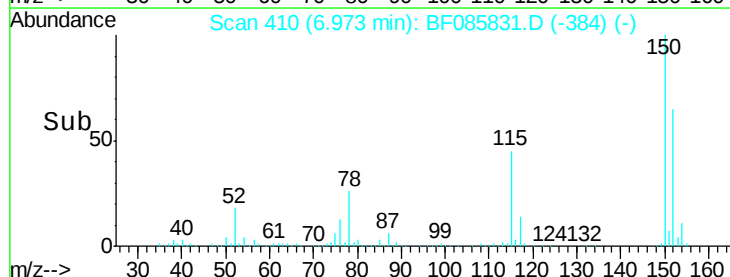
77 110.8 49.6 74.4#

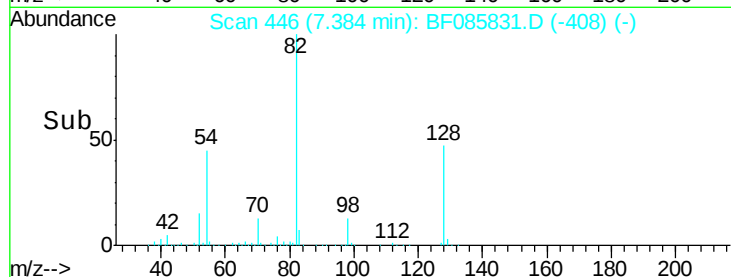
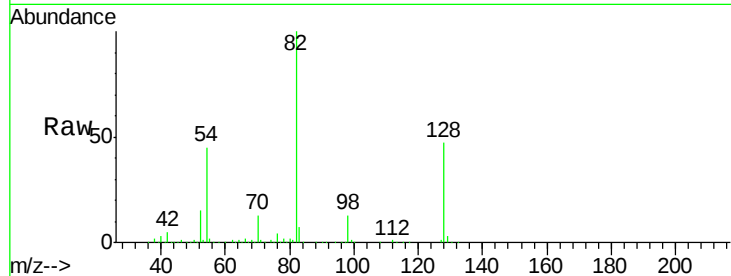
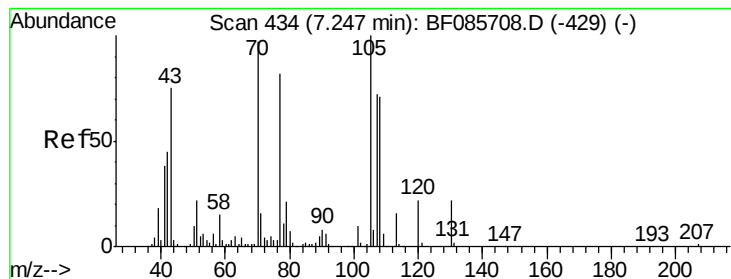


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 19.70 ng

RT: 7.38 min Scan# 446

Delta R.T. 0.14 min

Lab File: BF085831.D

Acq: 29 Mar 2016 5:13

Instrument :

BNA\_F

ClientSampleId :

B-927ANCOMP

Tgt Ion: 70 Resp: 98875

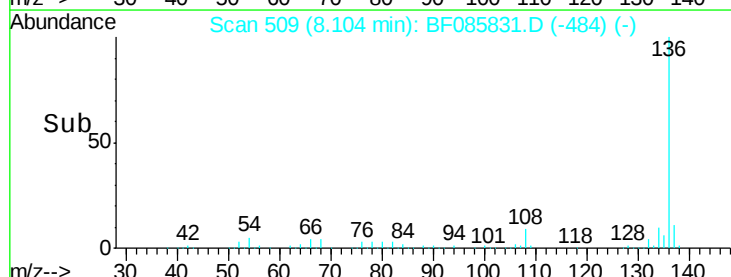
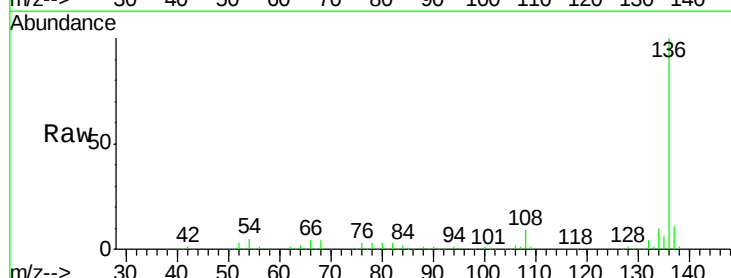
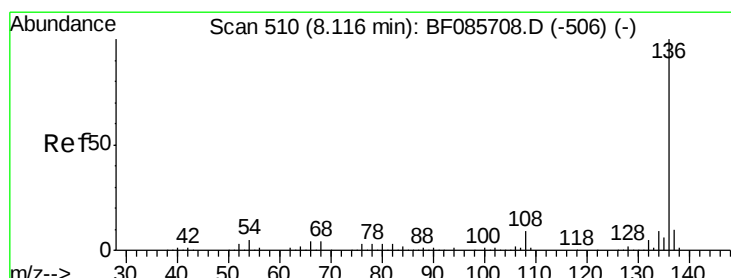
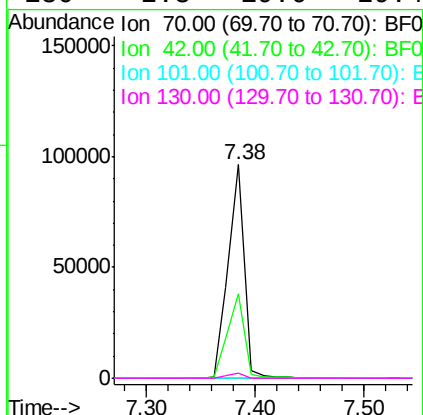
Ion Ratio Lower Upper

70 100

42 39.8 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: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085831.D

Acq: 29 Mar 2016 5:13

Tgt Ion: 136 Resp: 431196

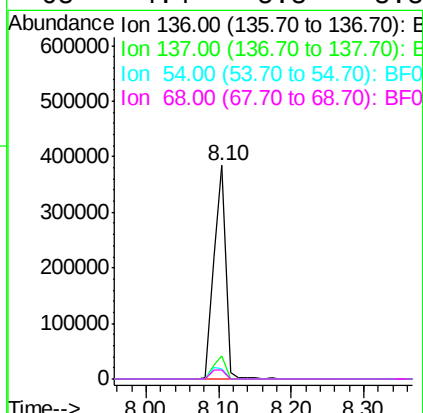
Ion Ratio Lower Upper

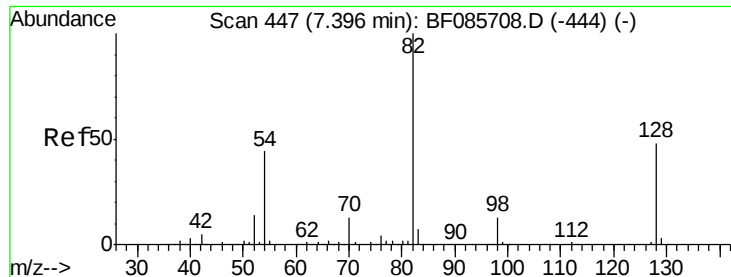
136 100

137 10.9 9.1 13.7

54 5.0 7.4 11.0#

68 4.4 5.8 8.8#

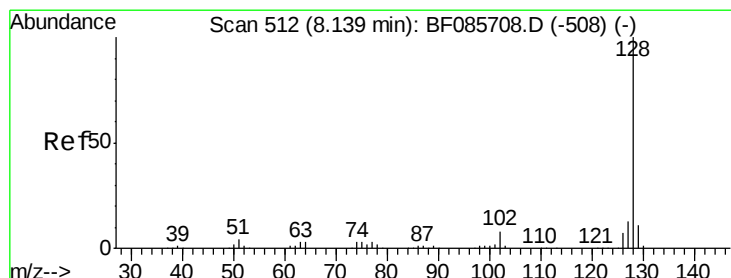
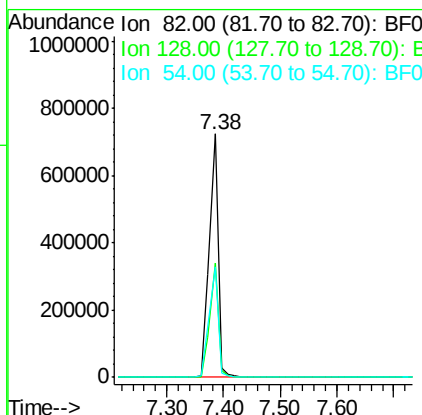
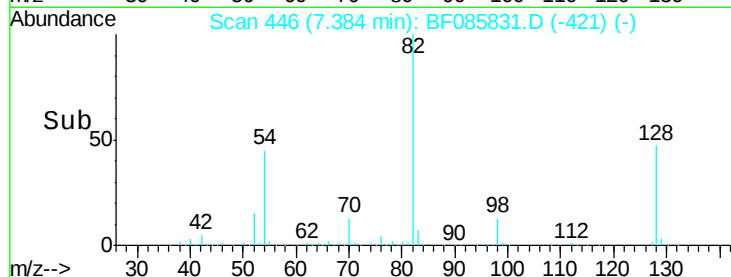
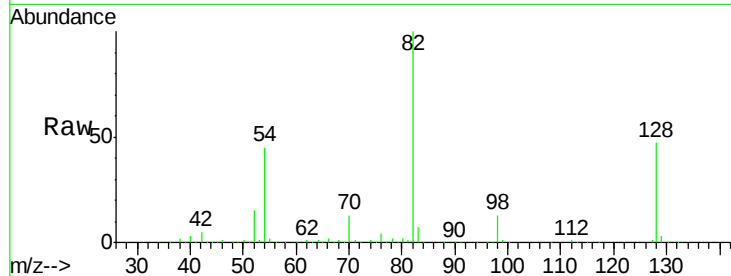




#23  
Nitrobenzene-d5  
Concen: 97.43 ng  
RT: 7.38 min Scan# 446  
Delta R.T. -0.01 min  
Lab File: BF085831.D  
Acq: 29 Mar 2016 5:13

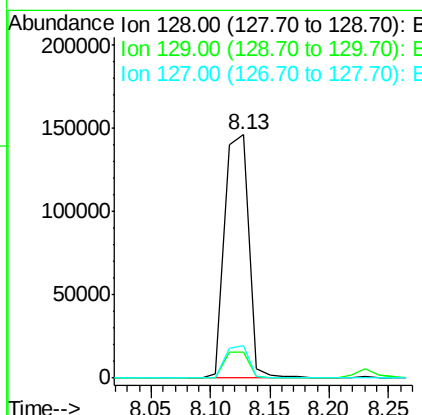
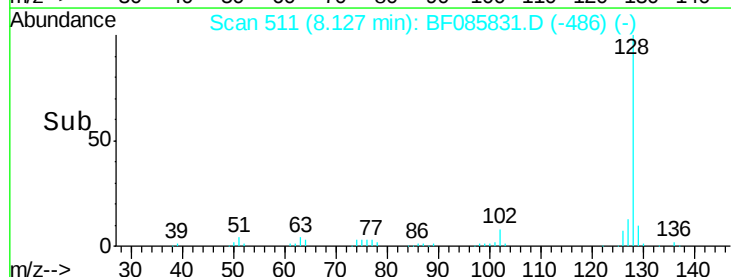
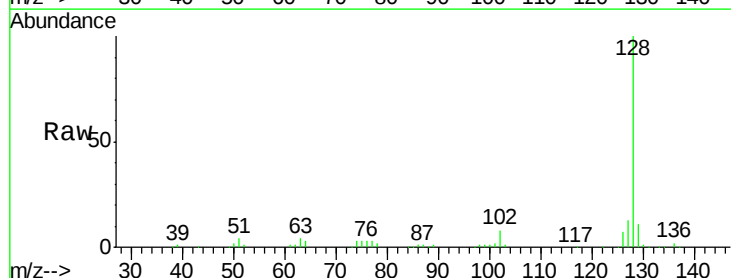
Instrument :  
BNA\_F  
ClientSampleId :  
B-927ANCOMP

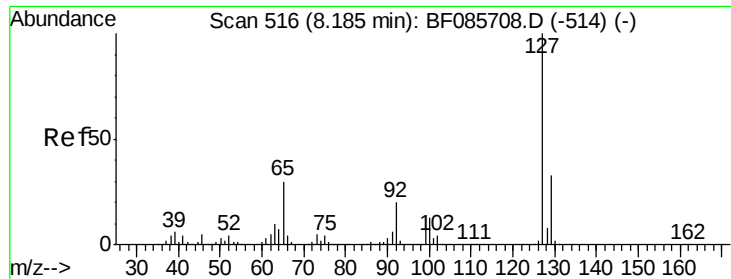
Tgt Ion: 82 Resp: 746040  
Ion Ratio Lower Upper  
82 100  
128 46.8 41.8 62.8  
54 45.3 33.4 50.0



#31  
Naphthalene  
Concen: 9.44 ng  
RT: 8.13 min Scan# 511  
Delta R.T. -0.01 min  
Lab File: BF085831.D  
Acq: 29 Mar 2016 5:13

Tgt Ion: 128 Resp: 205186  
Ion Ratio Lower Upper  
128 100  
129 10.6 9.4 14.0  
127 13.2 11.0 16.6

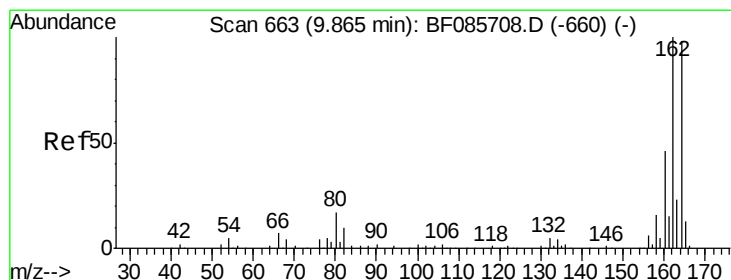
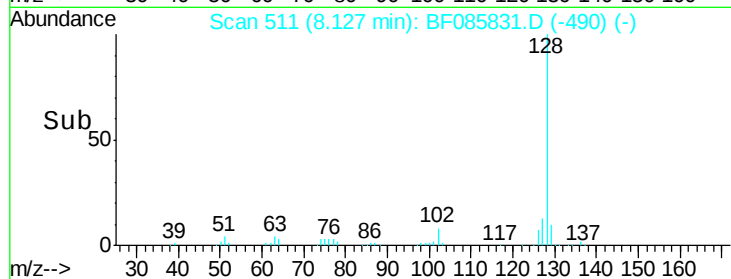
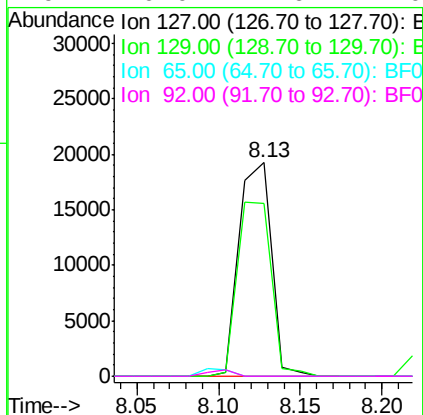
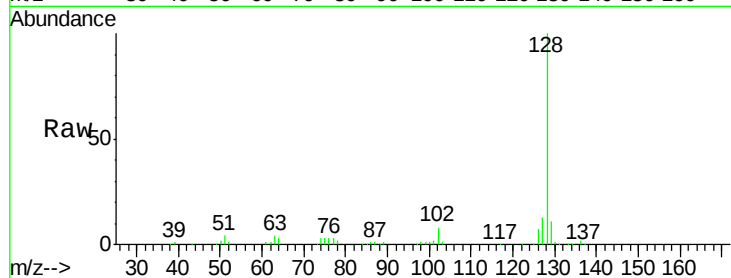




#33  
4-Chloroaniline  
Concen: 2.98 ng  
RT: 8.13 min Scan# 511  
Delta R.T. -0.06 min  
Lab File: BF085831.D  
Acq: 29 Mar 2016 5:13

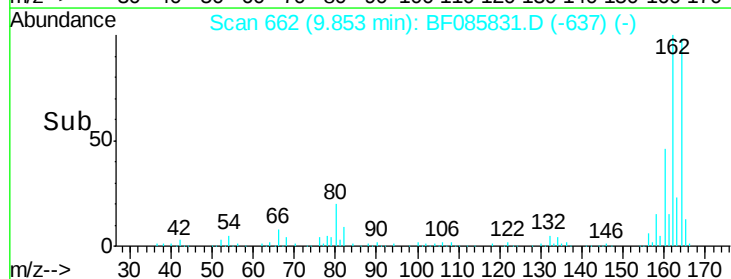
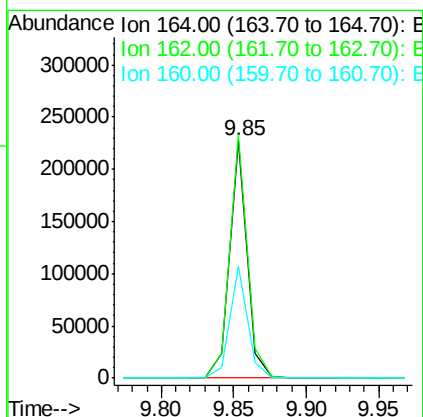
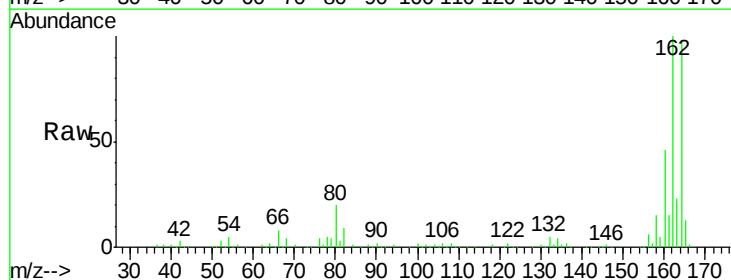
Instrument :  
BNA\_F  
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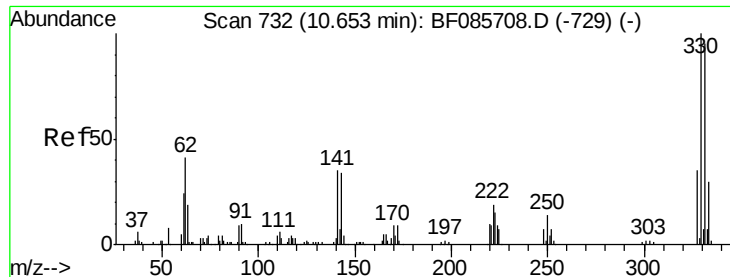
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 26429 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 80.6  | 26.1  | 39.1# |
| 65       | 0.0   | 19.5  | 29.3# |
| 92       | 0.0   | 14.6  | 22.0# |



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.85 min Scan# 662  
Delta R.T. -0.01 min  
Lab File: BF085831.D  
Acq: 29 Mar 2016 5:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 189757 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 102.4 | 82.1  | 123.1  |
| 160      | 47.0  | 37.4  | 56.2   |

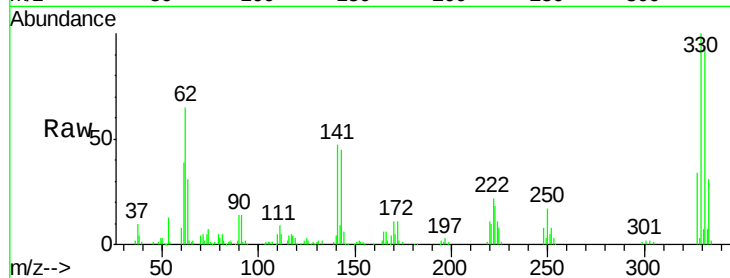




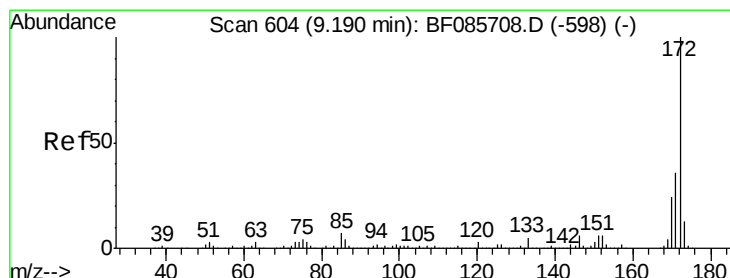
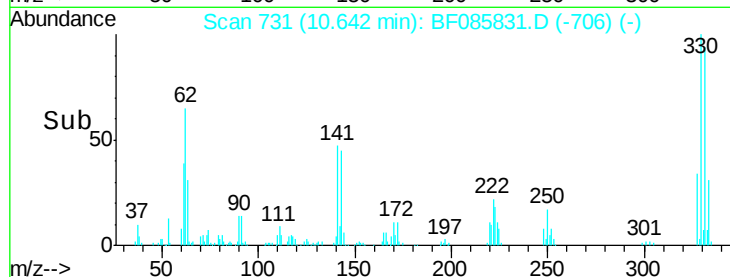
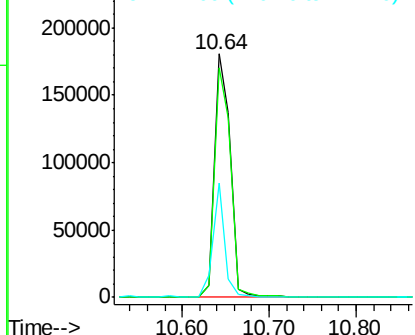
#41  
 2,4,6-Tribromophenol  
 Concen: 129.48 ng  
 RT: 10.64 min Scan# 731  
 Delta R.T. -0.01 min  
 Lab File: BF085831.D  
 Acq: 29 Mar 2016 5:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-927ANCOMP

Tgt Ion:330 Resp: 233444  
 Ion Ratio Lower Upper  
 330 100  
 332 96.1 78.2 117.2  
 141 35.5 31.5 47.3

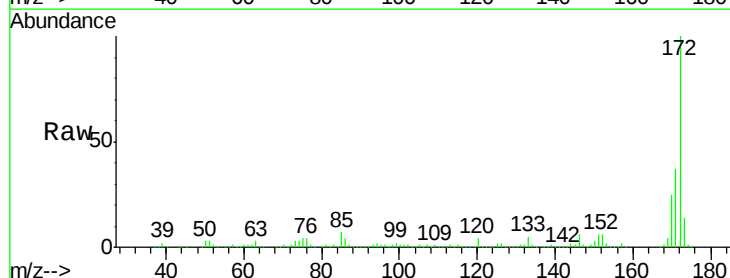


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

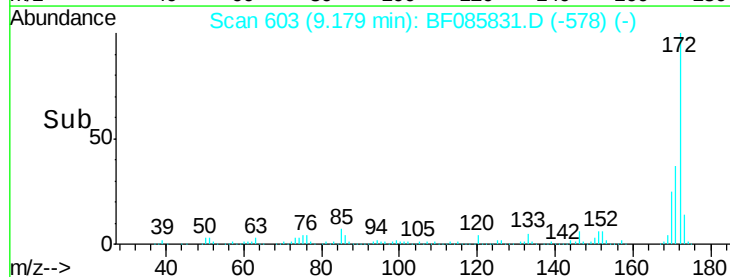
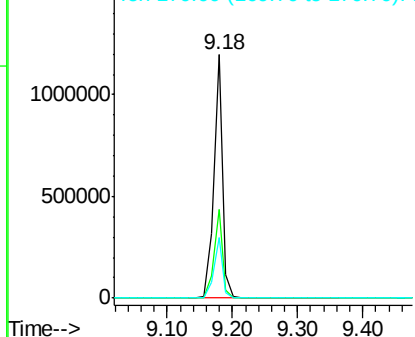


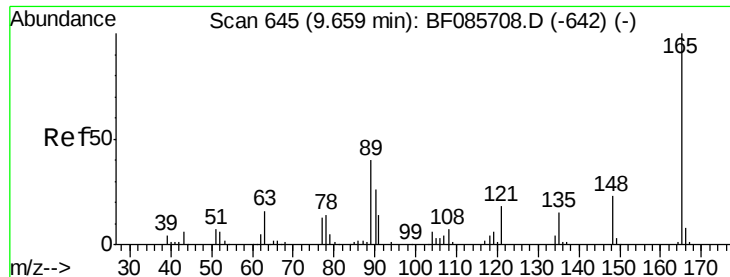
#44  
 2-Fluorobiphenyl  
 Concen: 99.89 ng  
 RT: 9.18 min Scan# 603  
 Delta R.T. -0.01 min  
 Lab File: BF085831.D  
 Acq: 29 Mar 2016 5:13

Tgt Ion:172 Resp: 1134561  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 29.4 44.2  
 170 24.7 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

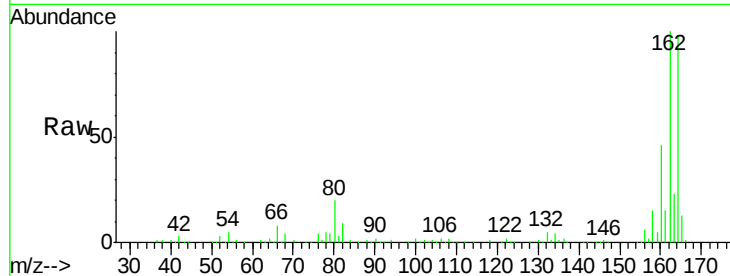




#50  
 2,6-Dinitrotoluene  
 Concen: 7.90 ng  
 RT: 9.85 min Scan# 662  
 Delta R.T. 0.19 min  
 Lab File: BF085831.D  
 Acq: 29 Mar 2016 5:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-927ANCOMP

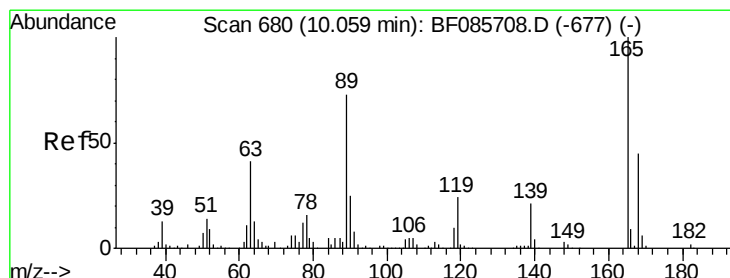
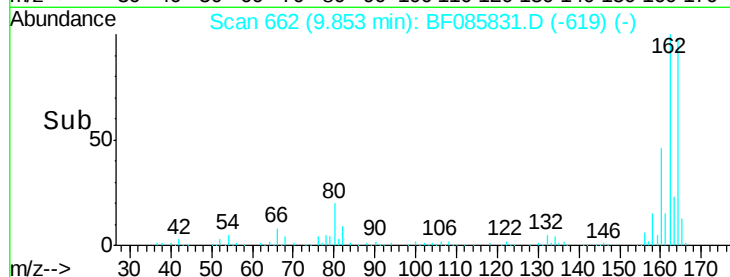
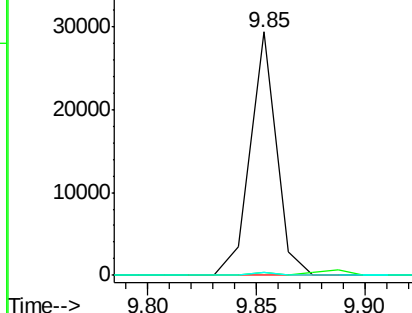
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 51.8  | 77.8# |
| 89      | 1.4   | 53.7  | 80.5# |



Abundance Ion 165.00 (164.70 to 165.70): E

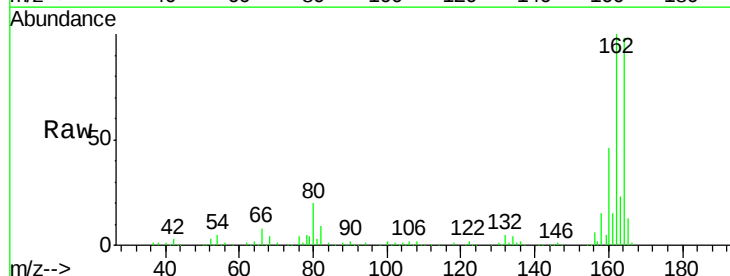
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56  
 2,4-Dinitrotoluene  
 Concen: 6.22 ng  
 RT: 9.85 min Scan# 662  
 Delta R.T. -0.21 min  
 Lab File: BF085831.D  
 Acq: 29 Mar 2016 5:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 24.9  | 37.3# |
| 89      | 1.4   | 41.0  | 61.6# |
| 182     | 0.0   | 2.1   | 3.1#  |

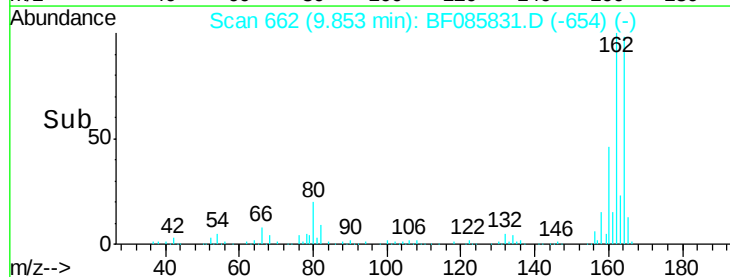
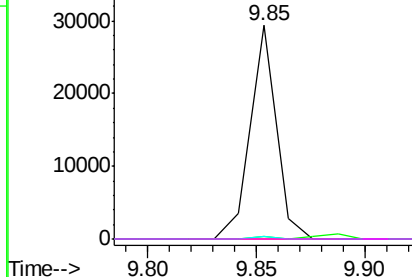


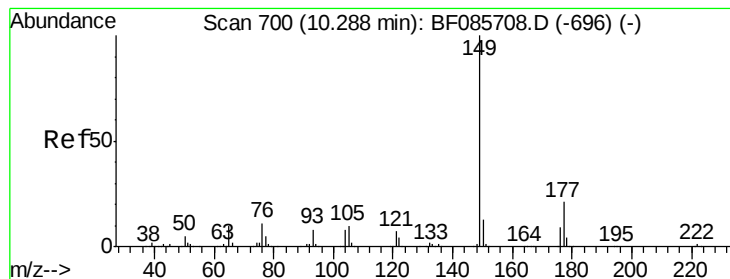
Abundance Ion 165.00 (164.70 to 165.70): E

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





#59

Diethylphthalate

Concen: 2.32 ng

RT: 10.28 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF085831.D

Acq: 29 Mar 2016 5:13

Instrument :

BNA\_F

ClientSampleId :

B-927ANCOMP

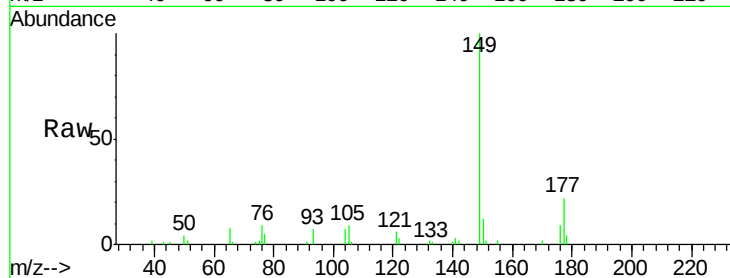
Tgt Ion:149 Resp: 33067

Ion Ratio Lower Upper

149 100

177 22.0 17.9 26.9

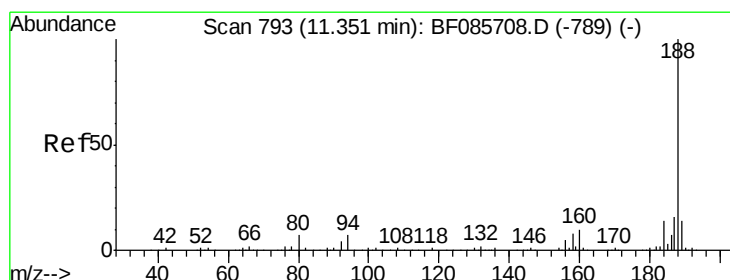
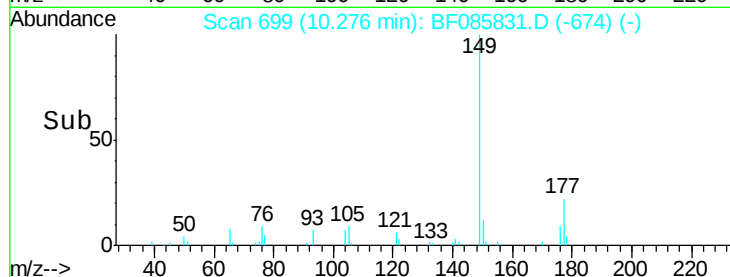
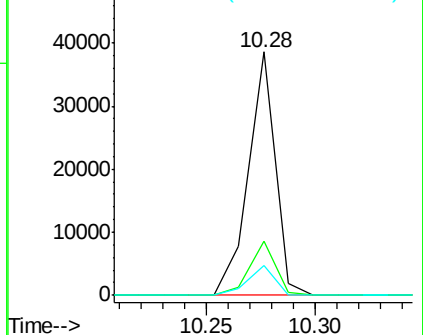
150 12.5 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 792

Delta R.T. -0.01 min

Lab File: BF085831.D

Acq: 29 Mar 2016 5:13

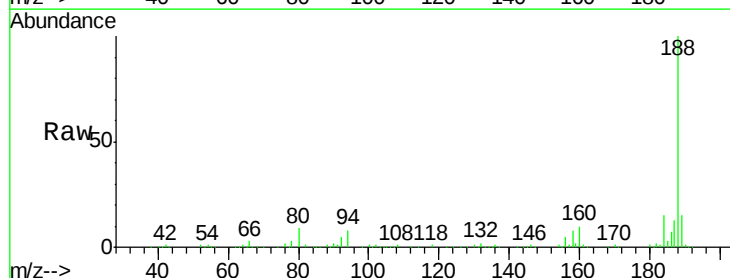
Tgt Ion:188 Resp: 323999

Ion Ratio Lower Upper

188 100

94 8.4 5.4 8.0#

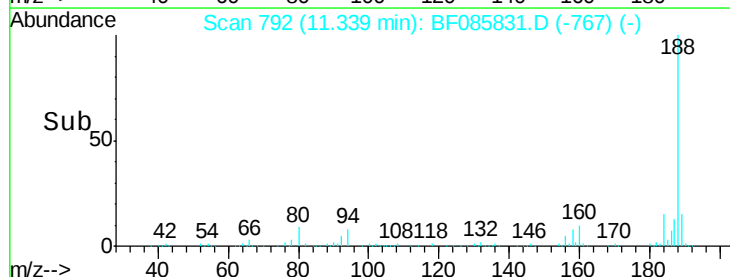
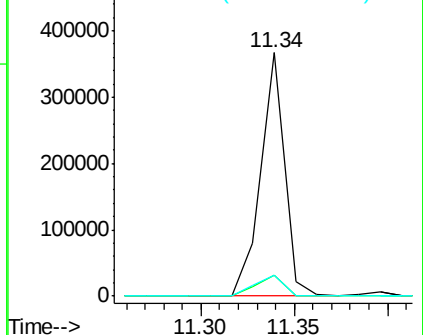
80 8.6 5.5 8.3#

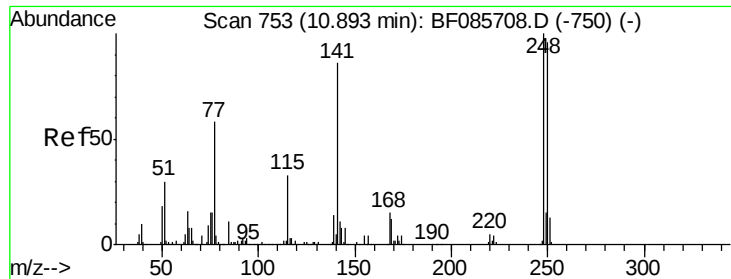


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

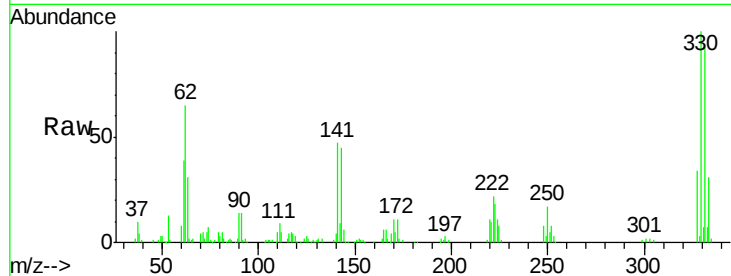




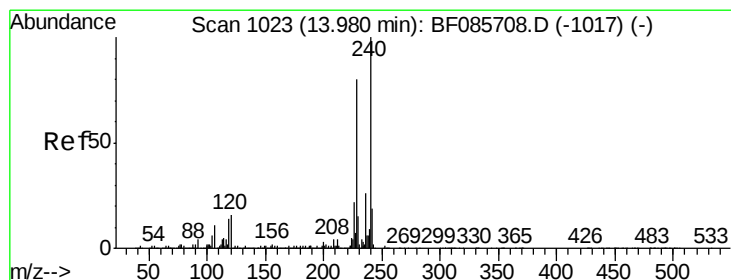
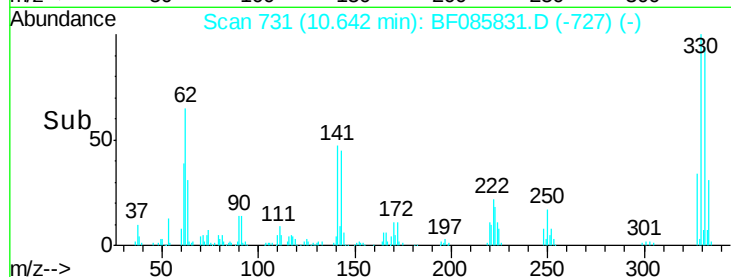
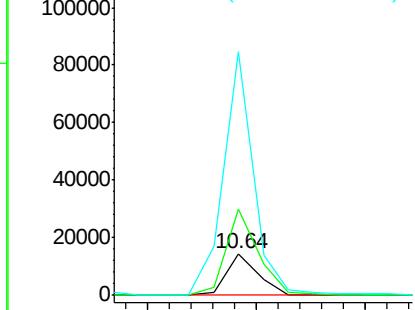
#66  
 4-Bromophenyl-phenylether  
 Concen: 4.40 ng  
 RT: 10.64 min Scan# 731  
 Delta R.T. -0.25 min  
 Lab File: BF085831.D  
 Acq: 29 Mar 2016 5:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-927ANCOMP

Tgt Ion:248 Resp: 14581  
 Ion Ratio Lower Upper  
 248 100  
 250 206.9 77.4 116.0#  
 141 584.5 63.6 95.4#

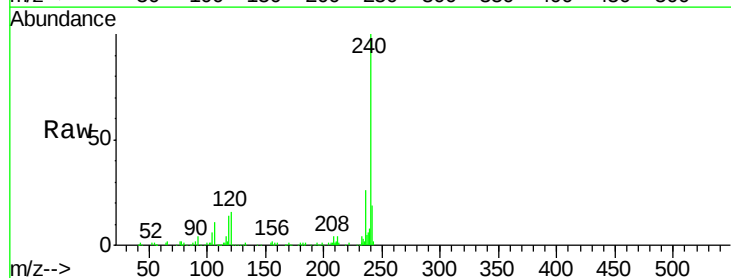


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

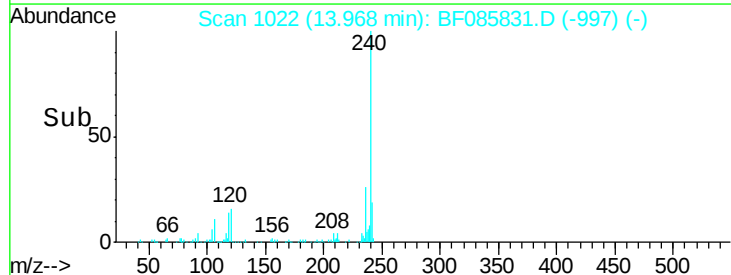
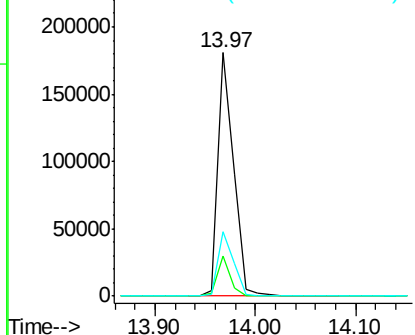


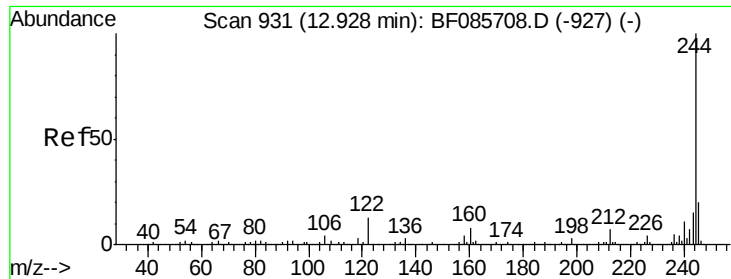
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.97 min Scan# 1022  
 Delta R.T. -0.01 min  
 Lab File: BF085831.D  
 Acq: 29 Mar 2016 5:13

Tgt Ion:240 Resp: 195950  
 Ion Ratio Lower Upper  
 240 100  
 120 16.3 13.8 20.8  
 236 26.5 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

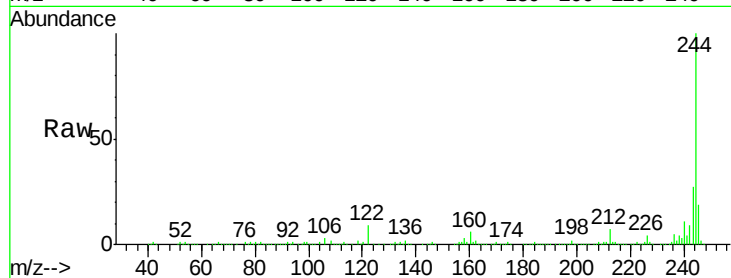




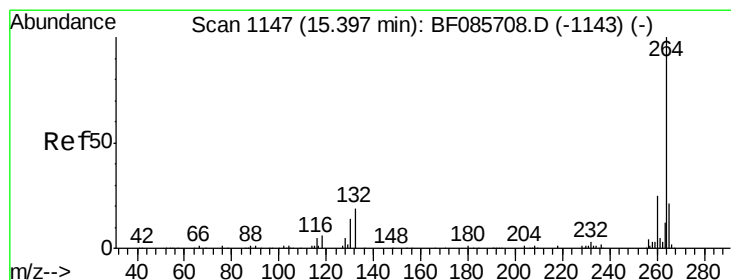
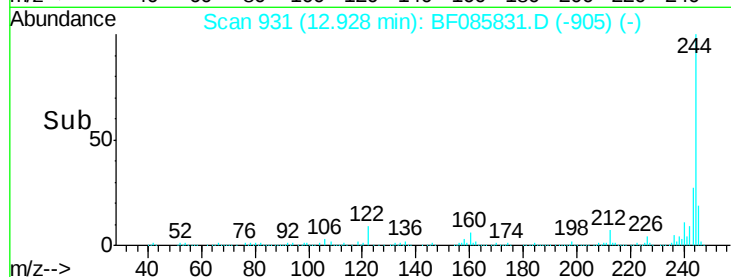
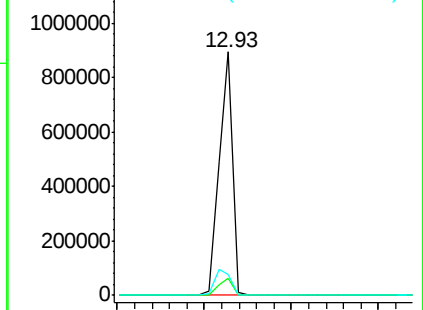
#78  
 Terphenyl-d14  
 Concen: 102.41 ng  
 RT: 12.93 min Scan# 931  
 Delta R.T. -0.00 min  
 Lab File: BF085831.D  
 Acq: 29 Mar 2016 5:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-927ANCOMP

Tgt Ion:244 Resp: 975768  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 6.1 9.1  
 122 8.5 10.2 15.4#

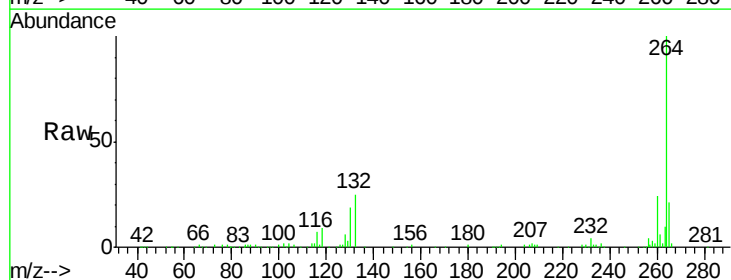


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.39 min Scan# 1146  
 Delta R.T. -0.01 min  
 Lab File: BF085831.D  
 Acq: 29 Mar 2016 5:13

Tgt Ion:264 Resp: 196558  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 19.4 29.2  
 265 21.0 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

