

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032816\  
 Data File : BF085837.D  
 Acq On : 29 Mar 2016 8:00  
 Operator : UM/SJ  
 Sample : H1905-08  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 29 11:10:35 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

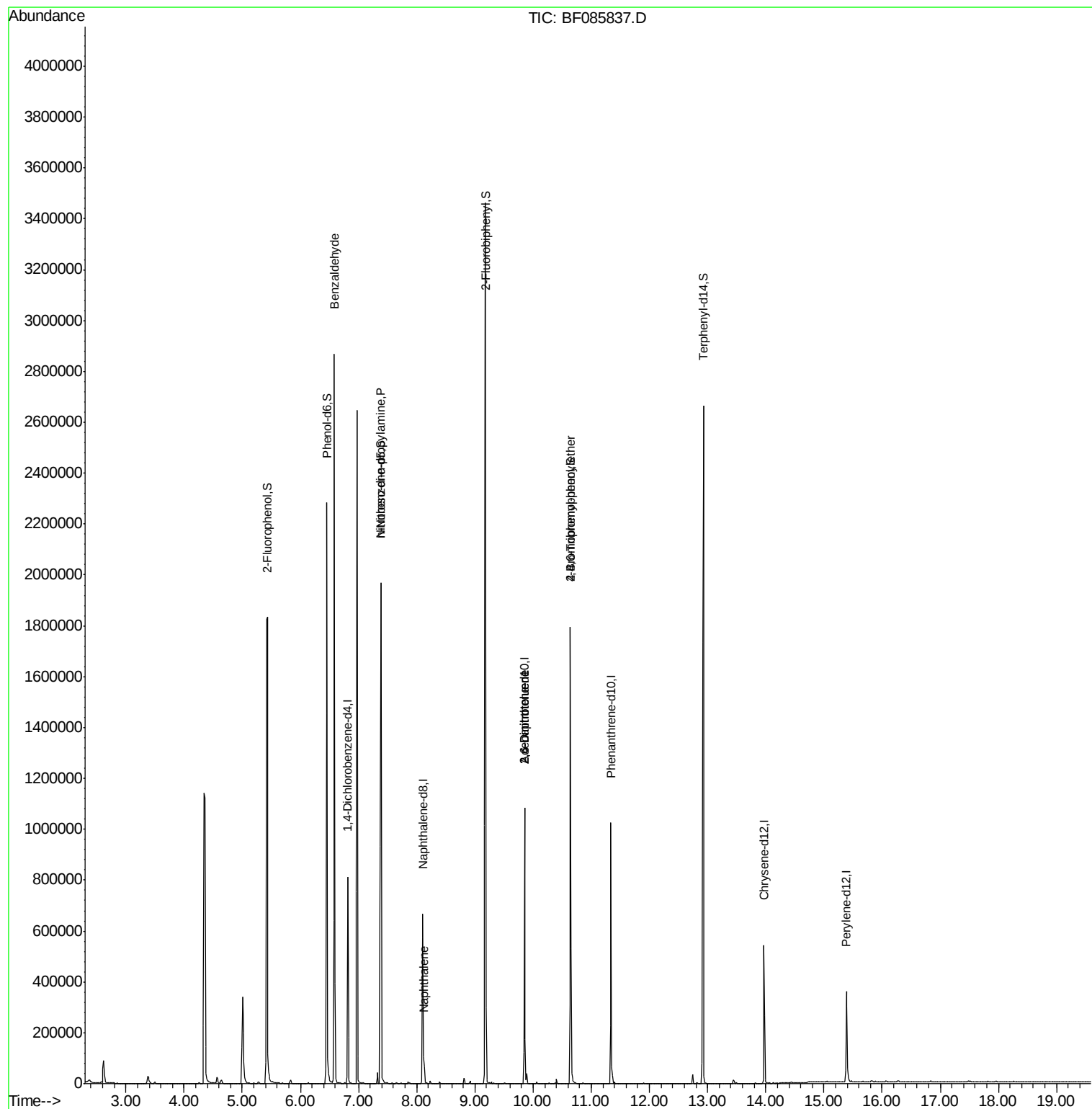
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.81  | 152  | 118506   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.10  | 136  | 450071   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.85  | 164  | 206192   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.34 | 188  | 368898   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 13.97 | 240  | 214009   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.39 | 264  | 185896   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.43  | 112  | 870321   | 122.31 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.46  | 99   | 1078395  | 119.20 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.38  | 82   | 754097   | 94.35  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.64 | 330  | 237805   | 121.39 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.18  | 172  | 1123535  | 91.04  | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.93 | 244  | 1054977  | 101.38 | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 9) Benzaldehyde                | 6.58  | 77   | 18208    | 3.34   | ng    | 83       |
| 19) n-Nitroso-di-n-propylamine | 7.38  | 70   | 100266   | 18.51  | ng    | # 75     |
| 31) Naphthalene                | 8.12  | 128  | 53783    | 2.37   | ng    | 99       |
| 37) 2-Methylnaphthalene        | 8.81  | 142  | 7629     | Below  | Cal   | 92       |
| 50) 2,6-Dinitrotoluene         | 9.85  | 165  | 26758    | 7.95   | ng    | # 19     |
| 56) 2,4-Dinitrotoluene         | 9.85  | 165  | 26758    | 6.25   | ng    | # 37     |
| 66) 4-Bromophenyl-phenylether  | 10.64 | 248  | 16116    | 4.27   | ng    | # 1      |

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

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QLast Update : Mon Mar 28 15:27:05 2016  
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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: BF085837.D

Acq: 29 Mar 2016 8:00

Instrument :

BNA\_F

ClientSampled :

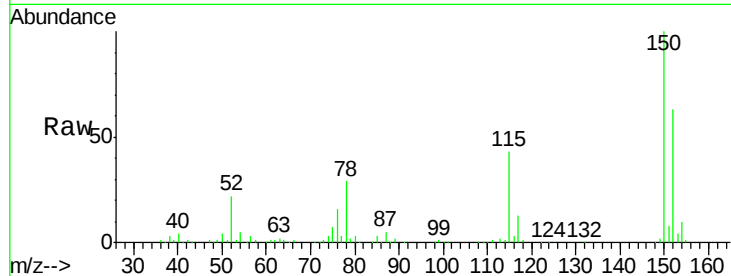
Tot Ion:152 Resp: 118506

Ion Ratio Lower Upper

152 100

150 159.1 124.2 186.2

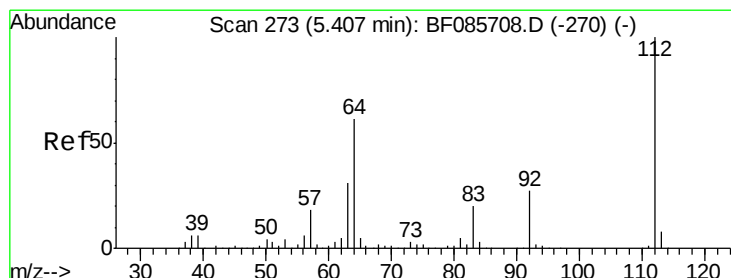
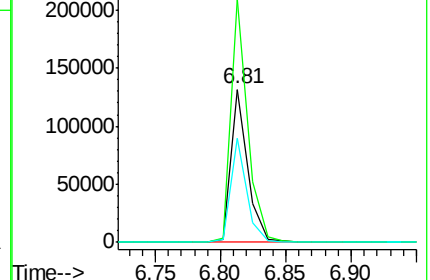
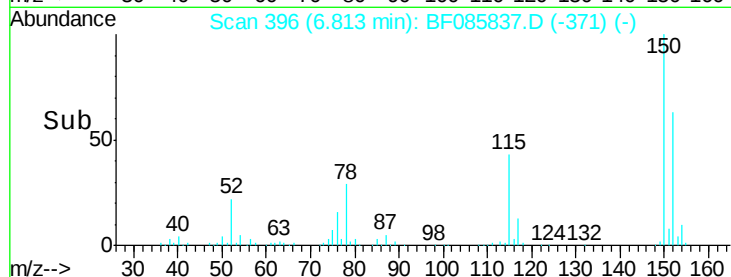
115 67.8 47.0 70.6



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: 122.31 ng

RT: 5.43 min Scan# 275

Delta R.T. 0.02 min

Lab File: BF085837.D

Acq: 29 Mar 2016 8:00

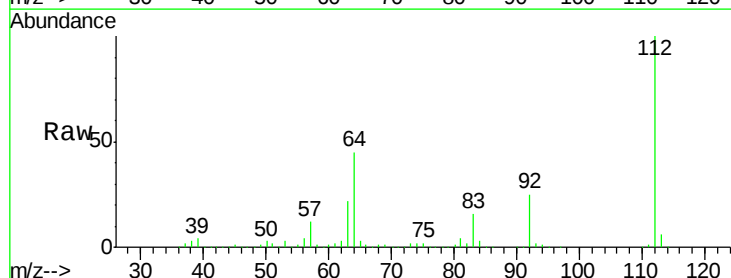
Tgt Ion:112 Resp: 870321

Ion Ratio Lower Upper

112 100

64 44.6 39.9 59.9

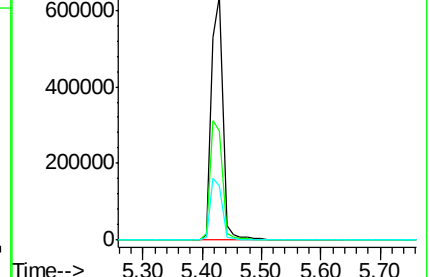
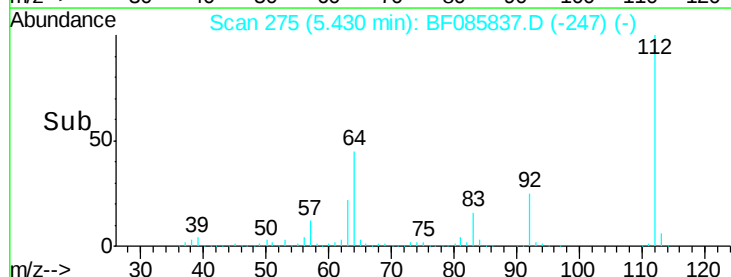
63 22.3 20.2 30.2



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: 119.20 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085837.D

Acq: 29 Mar 2016 8:00

Instrument :

BNA\_F

ClientSampleId :

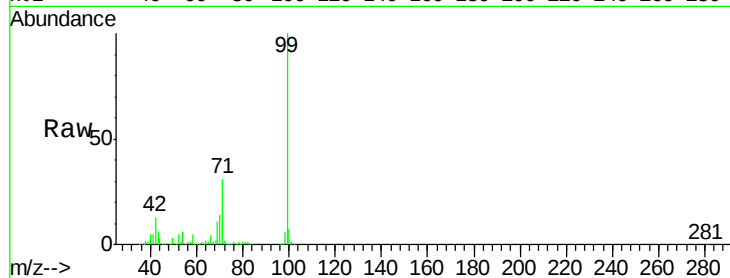
Tot Ion: 99 Resp: 1078395

Ion Ratio Lower Upper

99 100

42 12.9 11.1 16.7

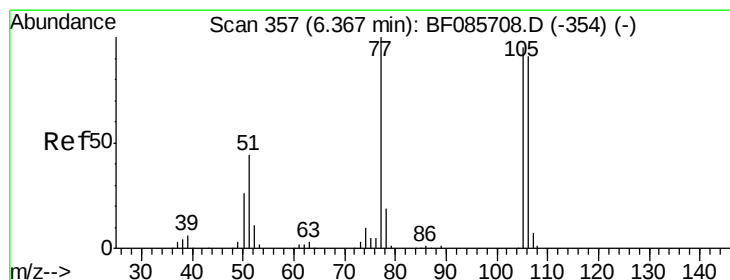
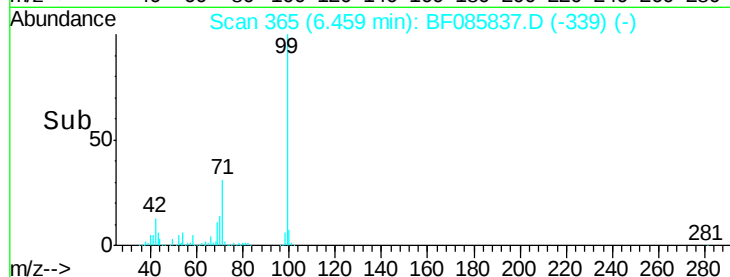
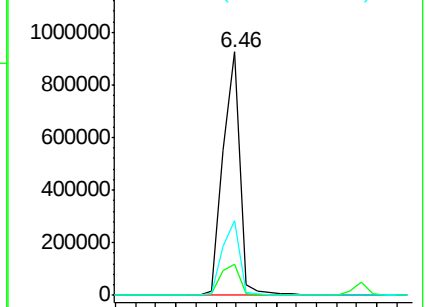
71 30.8 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.34 ng

RT: 6.58 min Scan# 376

Delta R.T. 0.22 min

Lab File: BF085837.D

Acq: 29 Mar 2016 8:00

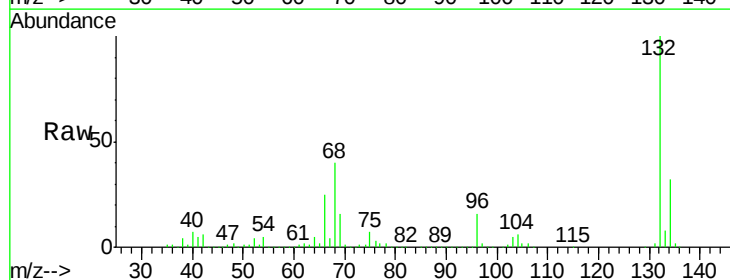
Tgt Ion: 77 Resp: 18208

Ion Ratio Lower Upper

77 100

105 83.5 80.1 120.1

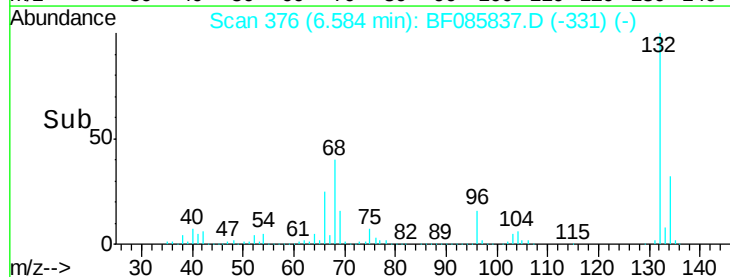
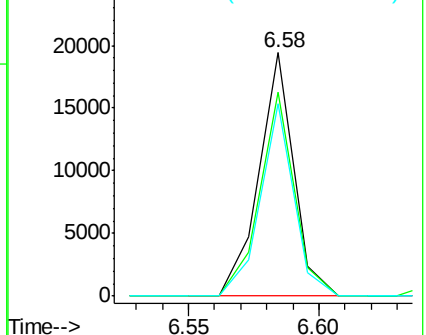
106 78.8 75.0 115.0

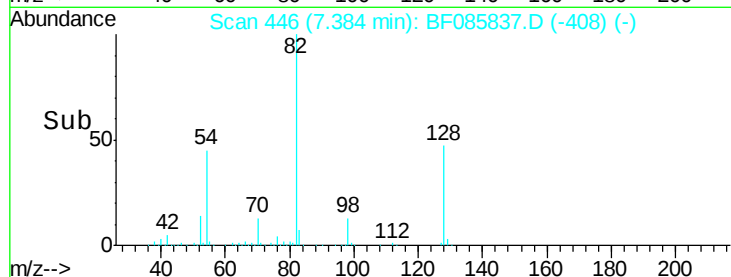
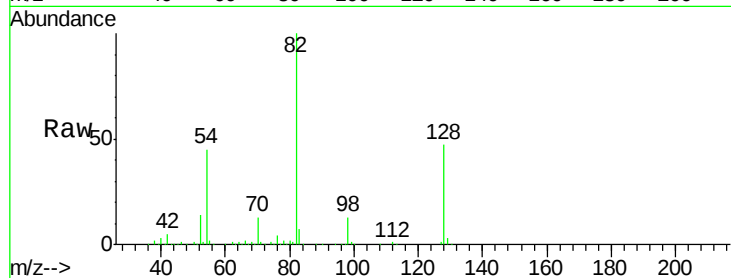
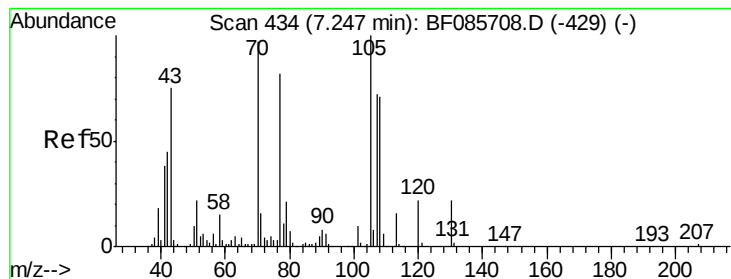


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 18.51 ng

RT: 7.38 min Scan# 446

Delta R.T. 0.14 min

Lab File: BF085837.D

Acq: 29 Mar 2016 8:00

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 70 Resp: 100266

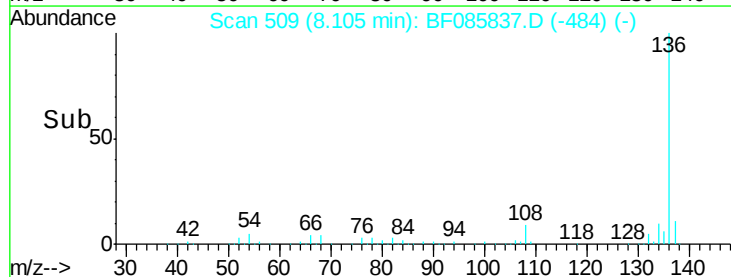
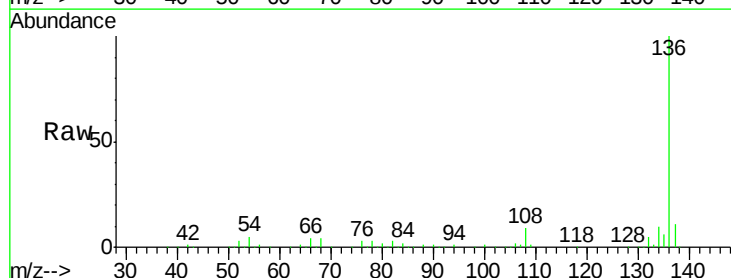
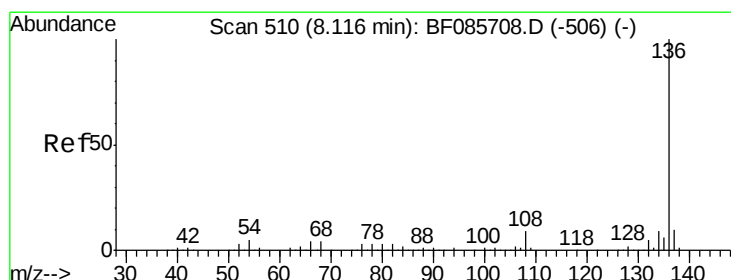
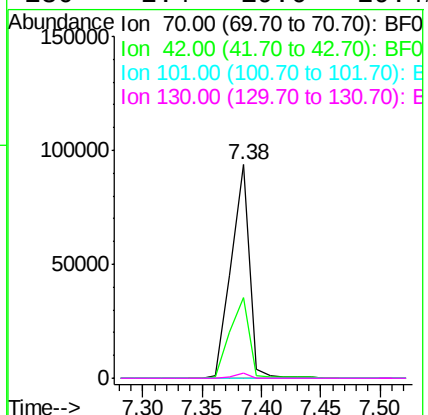
Ion Ratio Lower Upper

70 100

42 37.6 37.1 55.7

101 0.0 8.6 12.8#

130 2.4 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: BF085837.D

Acq: 29 Mar 2016 8:00

Tgt Ion:136 Resp: 450071

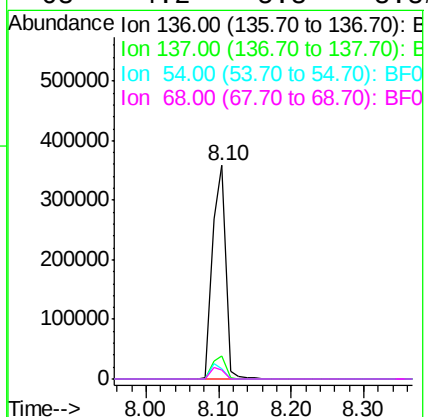
Ion Ratio Lower Upper

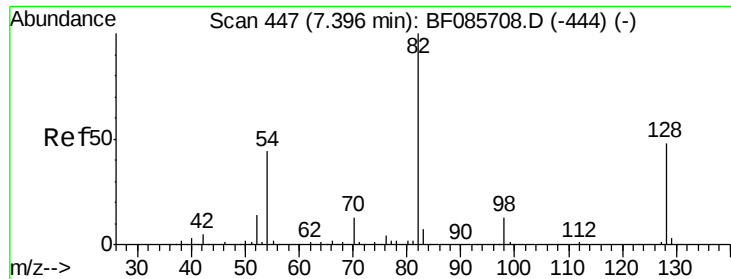
136 100

137 10.7 9.1 13.7

54 4.7 7.4 11.0#

68 4.2 5.8 8.8#

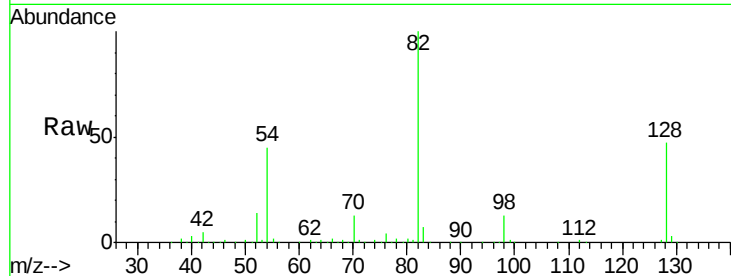




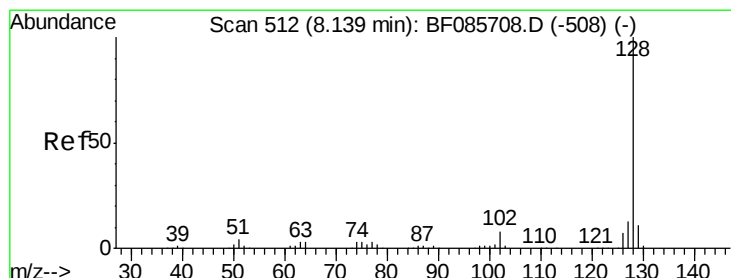
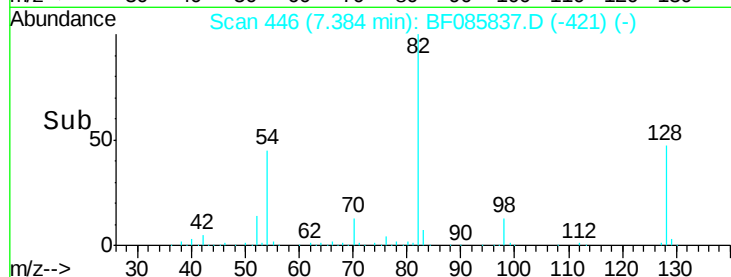
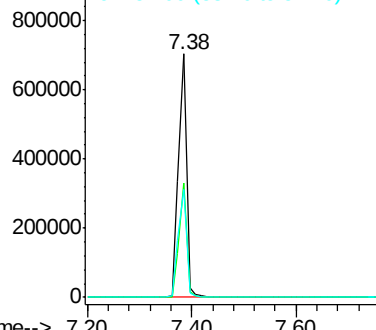
#23  
Nitrobenzene-d5  
Concen: 94.35 ng  
RT: 7.38 min Scan# 446  
Delta R.T. -0.01 min  
Lab File: BF085837.D  
Acq: 29 Mar 2016 8:00

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion   | 82   | Resp  | 754097 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 47.2 | 41.8  | 62.8   |
| 54        | 44.5 | 33.4  | 50.0   |

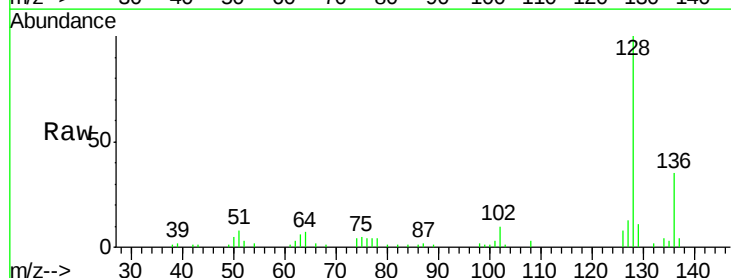


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

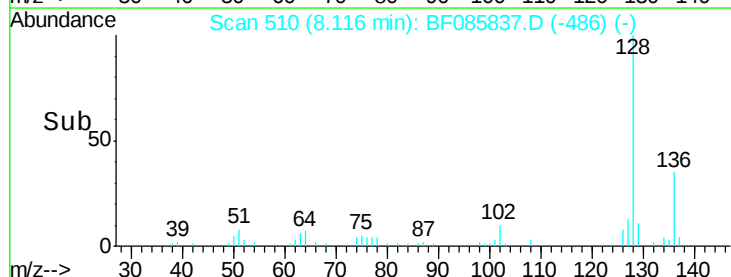
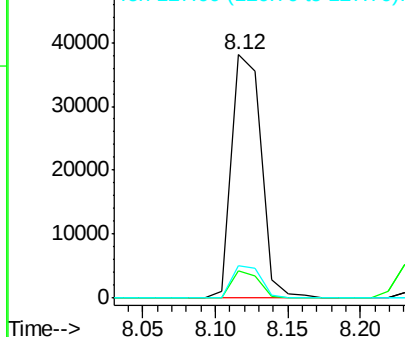


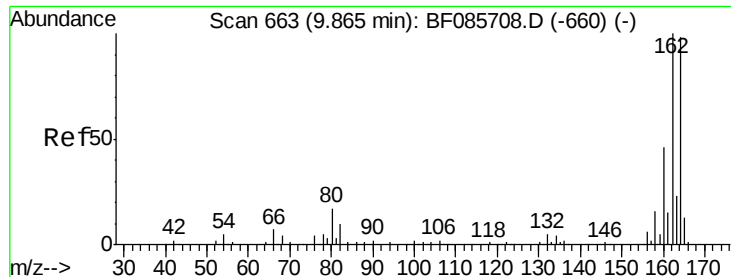
#31  
Naphthalene  
Concen: 2.37 ng  
RT: 8.12 min Scan# 510  
Delta R.T. -0.02 min  
Lab File: BF085837.D  
Acq: 29 Mar 2016 8:00

| Tgt Ion                                              | 128  | Resp  | 53783 |
|------------------------------------------------------|------|-------|-------|
| Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td> | 100  | Lower | Upper |
| 129                                                  | 11.2 | 9.4   | 14.0  |
| 127                                                  | 13.4 | 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

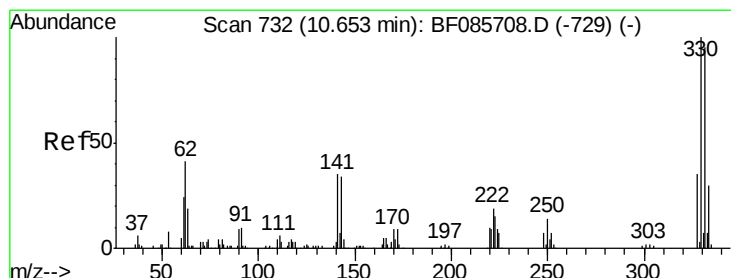
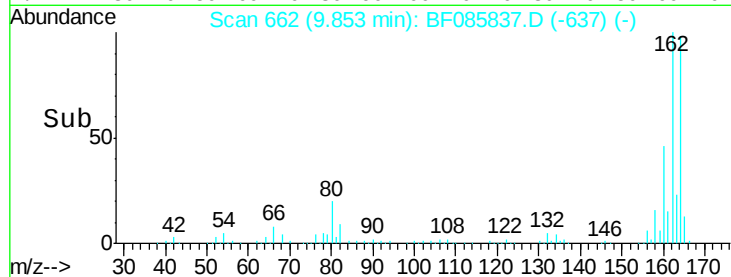
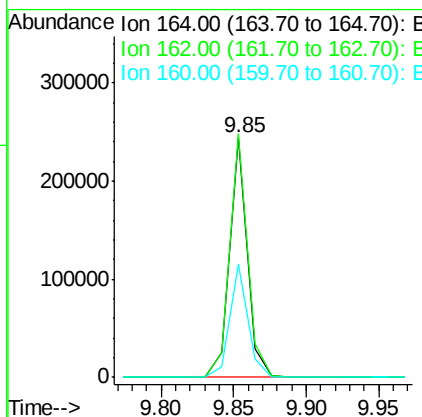
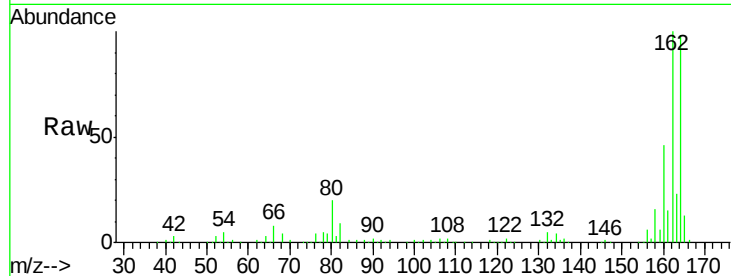




#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.85 min Scan# 662  
Delta R.T. -0.01 min  
Lab File: BF085837.D  
Acq: 29 Mar 2016 8:00

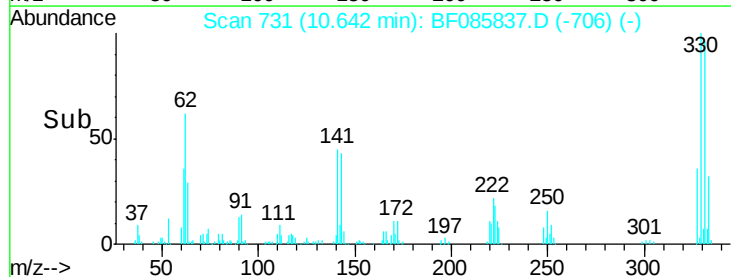
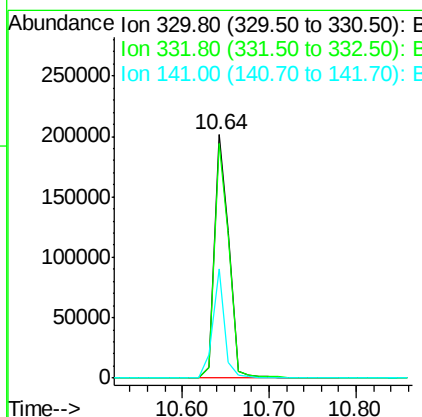
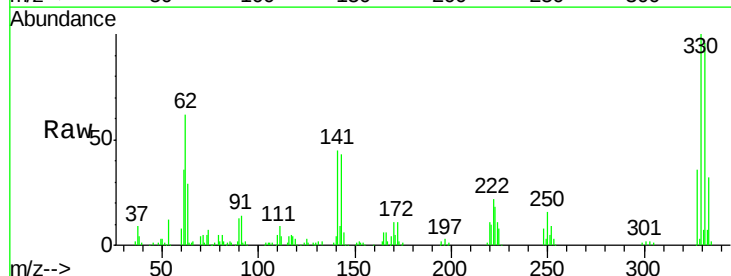
Instrument :  
BNA\_F  
ClientSampleId :

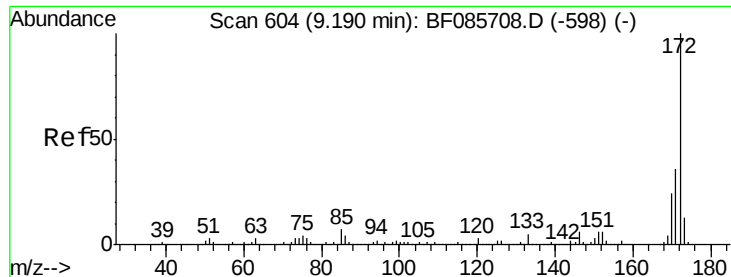
Tot Ion:164 Resp: 206192  
Ion Ratio Lower Upper  
164 100  
162 101.8 82.1 123.1  
160 47.1 37.4 56.2



#41  
2,4,6-Tribromophenol  
Concen: 121.39 ng  
RT: 10.64 min Scan# 731  
Delta R.T. -0.01 min  
Lab File: BF085837.D  
Acq: 29 Mar 2016 8:00

Tgt Ion:330 Resp: 237805  
Ion Ratio Lower Upper  
330 100  
332 97.2 78.2 117.2  
141 37.0 31.5 47.3



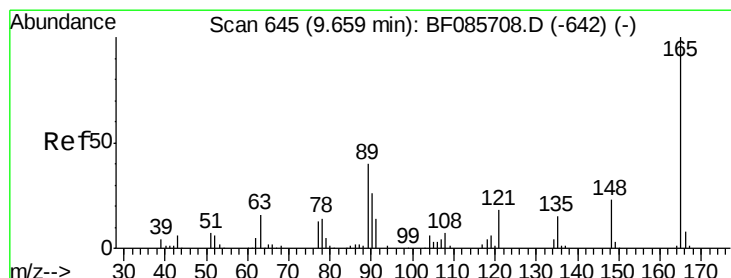
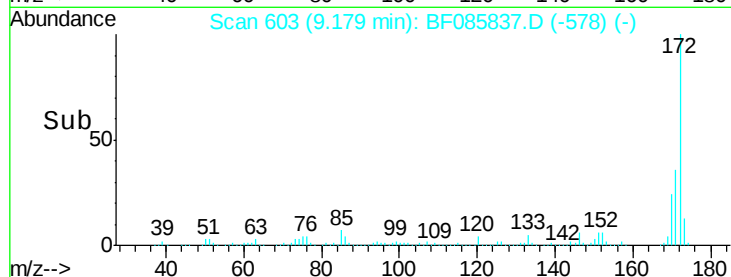
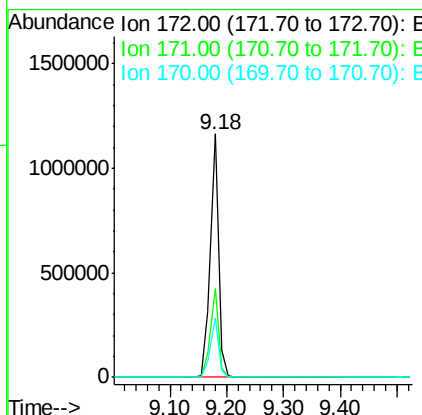
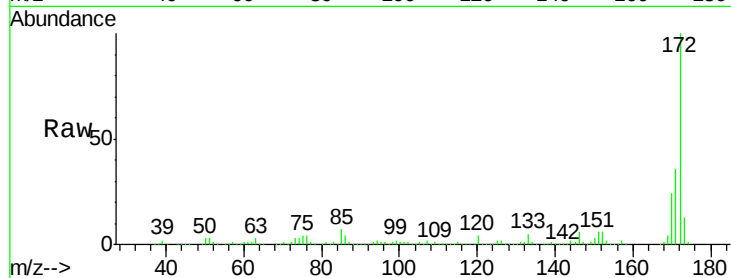


#44  
 2-Fluorobiphenyl  
 Concen: 91.04 ng  
 RT: 9.18 min Scan# 603  
 Delta R.T. -0.01 min  
 Lab File: BF085837.D  
 Acq: 29 Mar 2016 8:00

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 1123535  

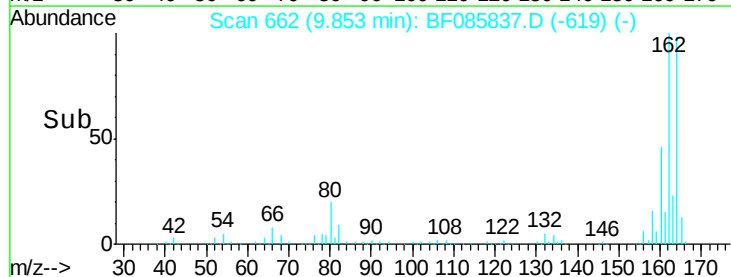
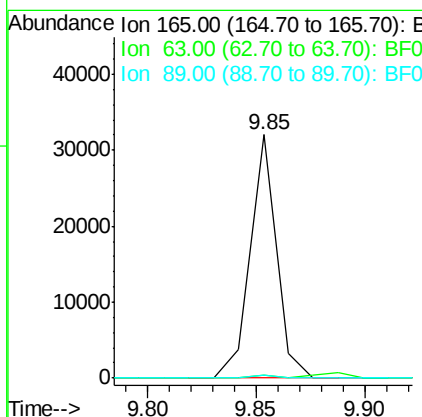
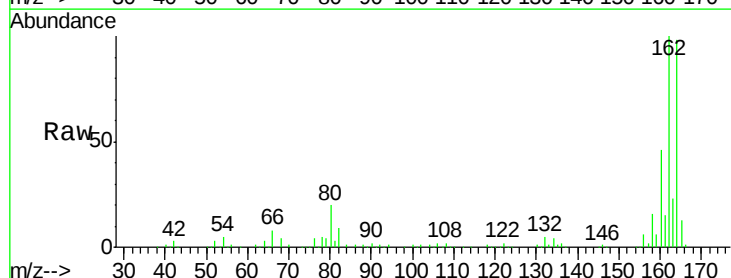
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.4  | 29.4  | 44.2  |
| 170 | 24.4  | 19.8  | 29.6  |

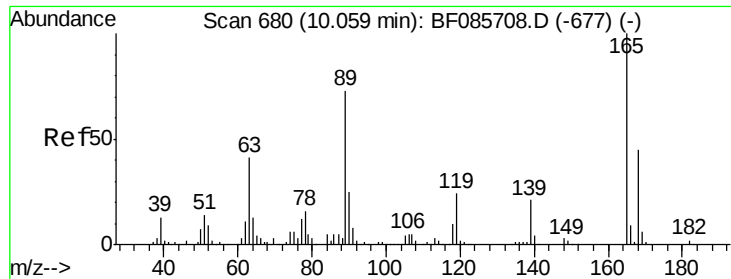


#50  
 2,6-Dinitrotoluene  
 Concen: 7.95 ng  
 RT: 9.85 min Scan# 662  
 Delta R.T. 0.19 min  
 Lab File: BF085837.D  
 Acq: 29 Mar 2016 8:00

Tgt Ion:165 Resp: 26758  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 1.2   | 51.8  | 77.8# |
| 89  | 1.4   | 53.7  | 80.5# |

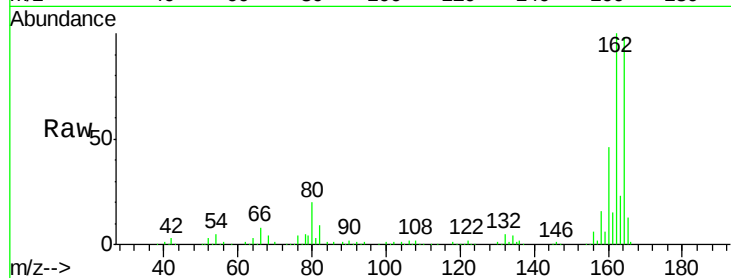




#56  
 2,4-Dinitrotoluene  
 Concen: 6.25 ng  
 RT: 9.85 min Scan# 662  
 Delta R.T. -0.21 min  
 Lab File: BF085837.D  
 Acq: 29 Mar 2016 8:00

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 24.9  | 37.3# |
| 89      | 1.4   | 41.0  | 61.6# |
| 182     | 0.0   | 2.1   | 3.1#  |

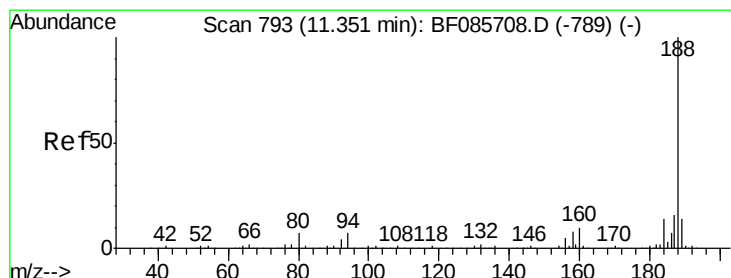
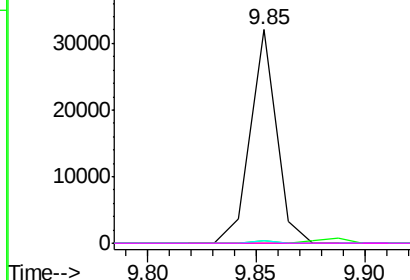
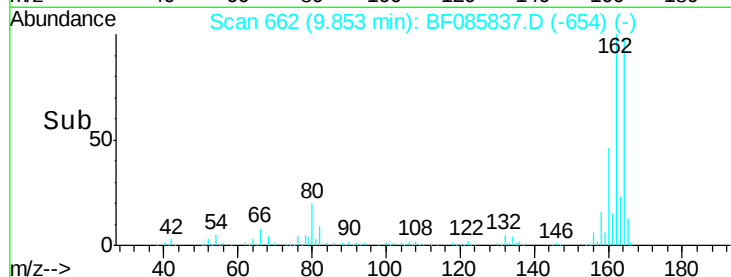


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

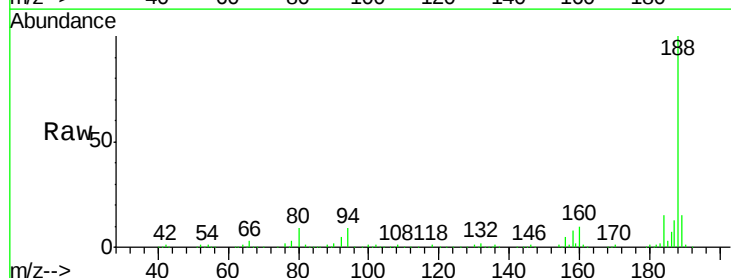
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.34 min Scan# 792  
 Delta R.T. -0.01 min  
 Lab File: BF085837.D  
 Acq: 29 Mar 2016 8:00

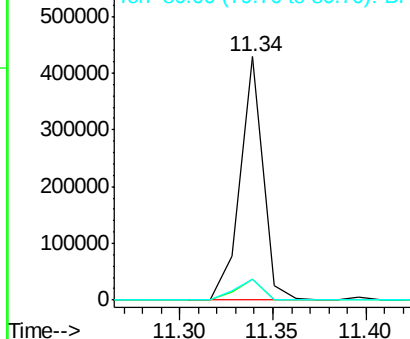
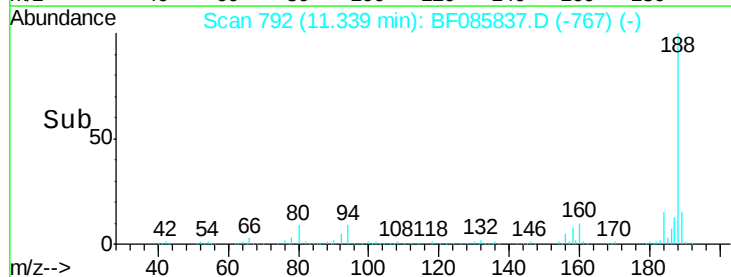
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.7   | 5.4   | 8.0#  |
| 80      | 8.8   | 5.5   | 8.3#  |

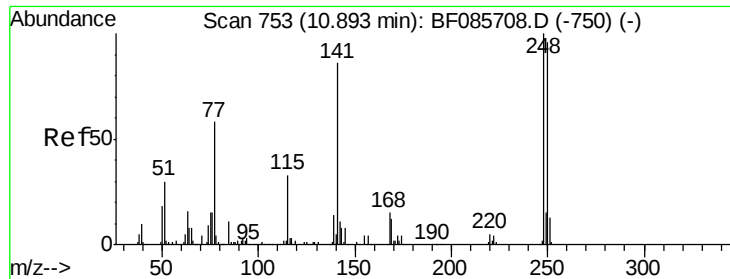


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

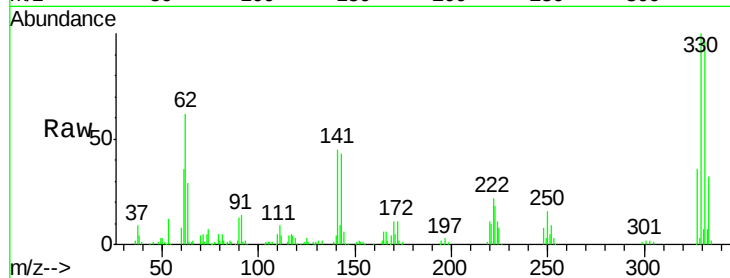




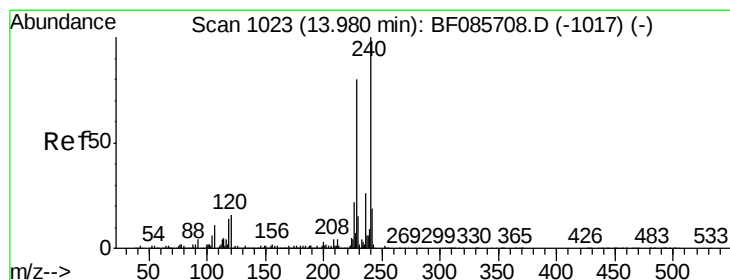
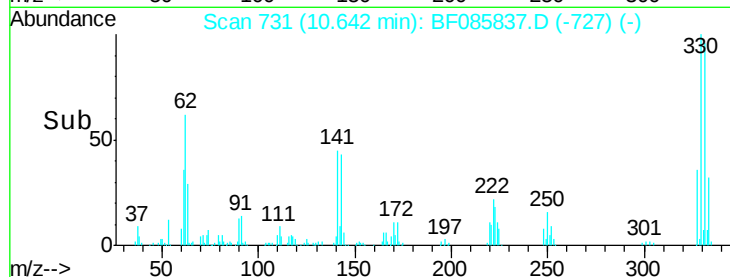
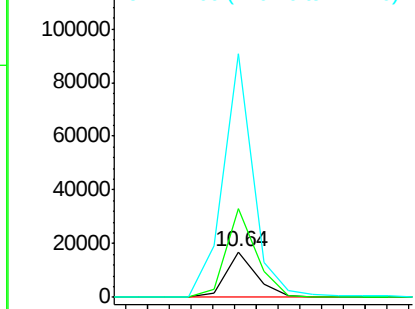
#66  
4-Bromophenyl-phenylether  
Concen: 4.27 ng  
RT: 10.64 min Scan# 731  
Delta R.T. -0.25 min  
Lab File: BF085837.D  
Acq: 29 Mar 2016 8:00

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 16116  
Ion Ratio Lower Upper  
248 100  
250 195.2 77.4 116.0#  
141 534.9 63.6 95.4#

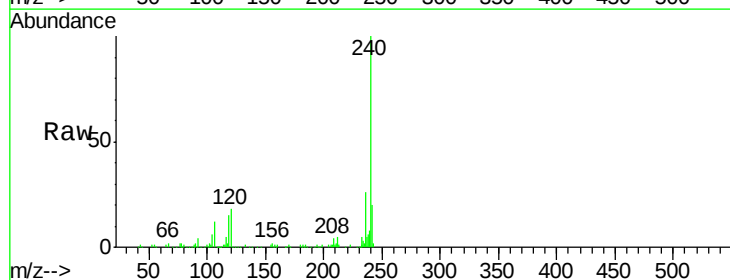


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

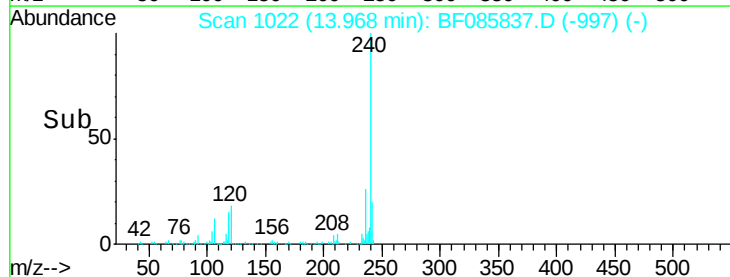
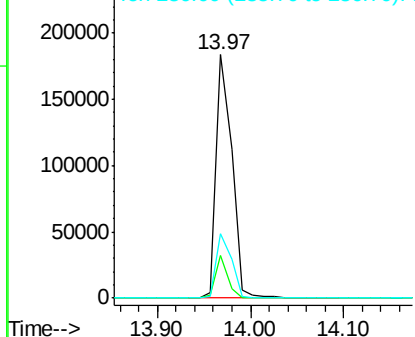


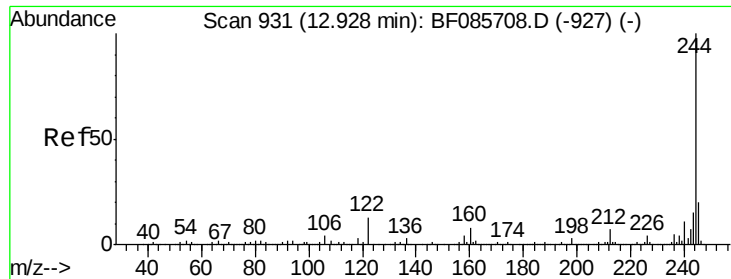
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.97 min Scan# 1022  
Delta R.T. -0.01 min  
Lab File: BF085837.D  
Acq: 29 Mar 2016 8:00

Tgt Ion:240 Resp: 214009  
Ion Ratio Lower Upper  
240 100  
120 17.6 13.8 20.8  
236 26.3 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

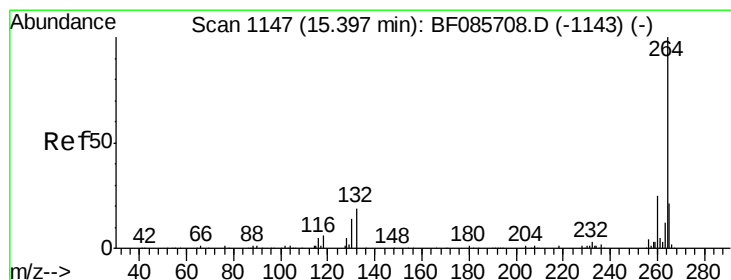
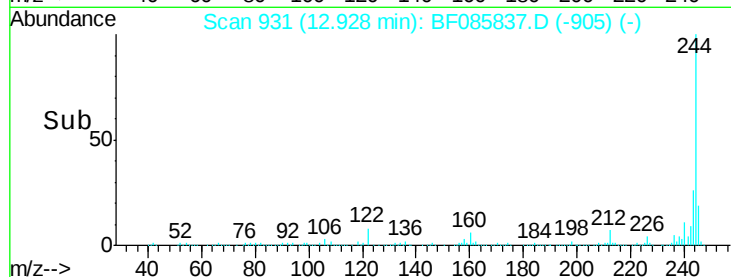
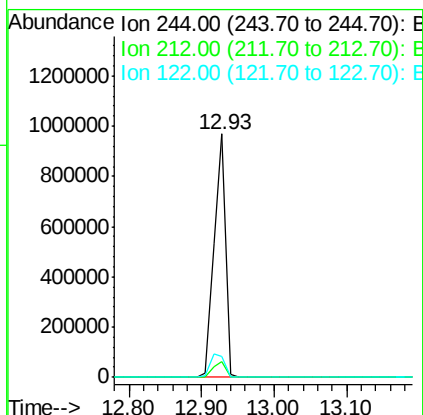
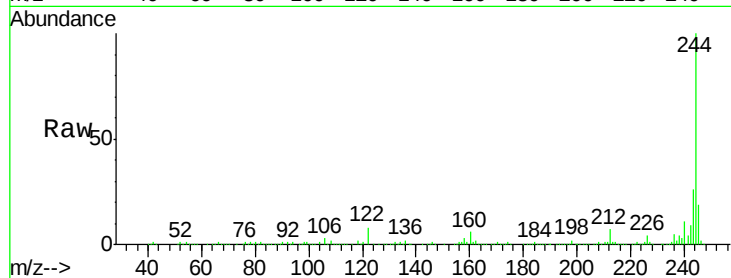




#78  
 Terphenyl-d14  
 Concen: 101.38 ng  
 RT: 12.93 min Scan# 931  
 Delta R.T. -0.00 min  
 Lab File: BF085837.D  
 Acq: 29 Mar 2016 8:00

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 1054977  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 6.1 9.1  
 122 8.4 10.2 15.4#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.39 min Scan# 1146  
 Delta R.T. -0.01 min  
 Lab File: BF085837.D  
 Acq: 29 Mar 2016 8:00

Tgt Ion:264 Resp: 185896  
 Ion Ratio Lower Upper  
 264 100  
 260 25.4 19.4 29.2  
 265 21.8 17.2 25.8

