

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF031816\  
 Data File : BF085573.D  
 Acq On : 19 Mar 2016 15:23  
 Operator : UM/SJ  
 Sample : H1816-04  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-GRID-9C

Quant Time: Mar 20 23:58:28 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 18 23:31:39 2016  
 Response via : Initial Calibration

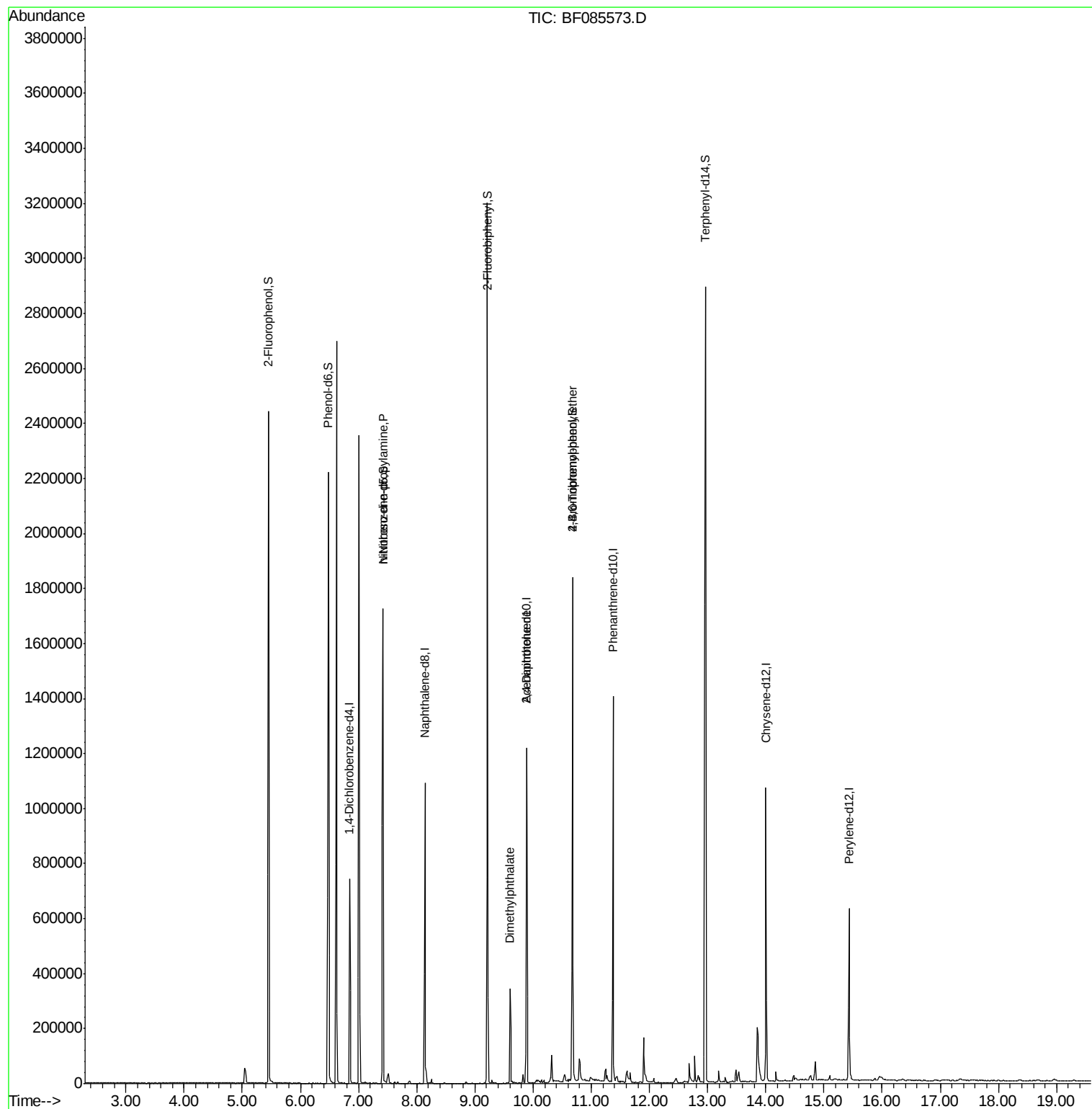
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 127391   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.14  | 136  | 539914   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.89  | 164  | 238692   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.37 | 188  | 486619   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12               | 14.00 | 240  | 363476   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12               | 15.43 | 264  | 273311   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.45  | 112  | 736297   | 97.08 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.48  | 99   | 905808   | 93.12 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.42  | 82   | 682271   | 73.35 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.68 | 330  | 232914   | 99.62 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.21  | 172  | 990264   | 67.12 | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.96 | 244  | 1106995  | 73.29 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.42  | 70   | 90123    | 15.51 | ng    | # 75     |
| 49) Dimethylphthalate          | 9.60  | 163  | 174528   | 9.69  | ng    | 100      |
| 56) 2,4-Dinitrotoluene         | 9.89  | 165  | 31231    | 6.27  | ng    | # 37     |
| 66) 4-Bromophenyl-phenylether  | 10.68 | 248  | 15272    | 3.14  | ng    | # 1      |

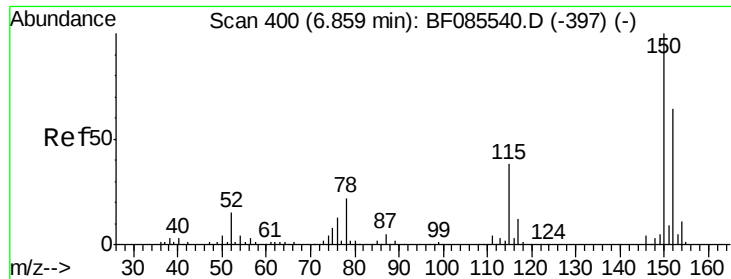
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF085573.D

Acq: 19 Mar 2016 15:23

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-GRID-9C

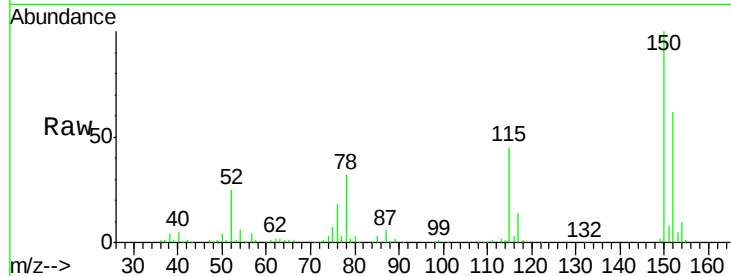
Tgt Ion:152 Resp: 127391

Ion Ratio Lower Upper

152 100

150 160.8 124.2 186.2

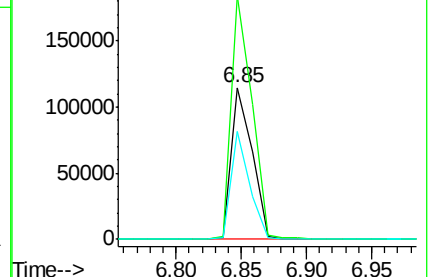
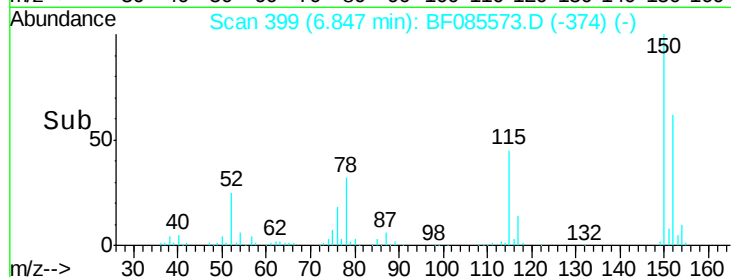
115 71.6 47.0 70.6#



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: 97.08 ng

RT: 5.45 min Scan# 277

Delta R.T. -0.00 min

Lab File: BF085573.D

Acq: 19 Mar 2016 15:23

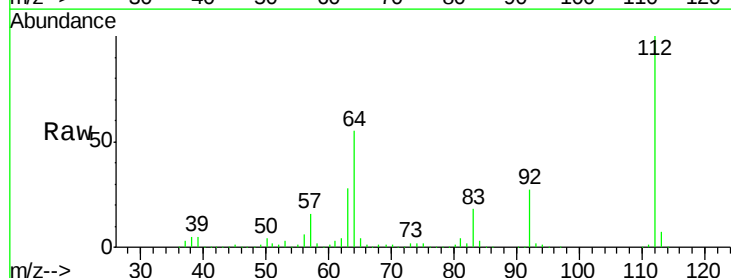
Tgt Ion:112 Resp: 736297

Ion Ratio Lower Upper

112 100

64 55.0 39.9 59.9

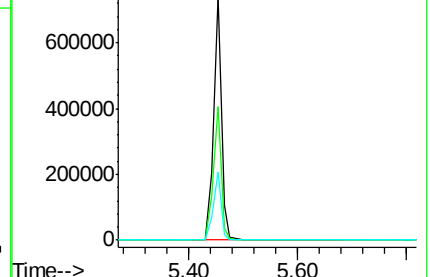
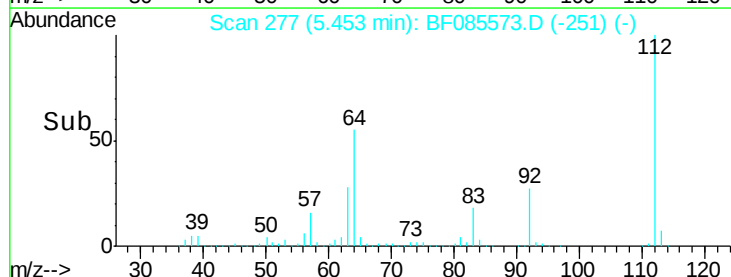
63 28.1 20.2 30.2



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: 93.12 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF085573.D

Acq: 19 Mar 2016 15:23

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-GRID-9C

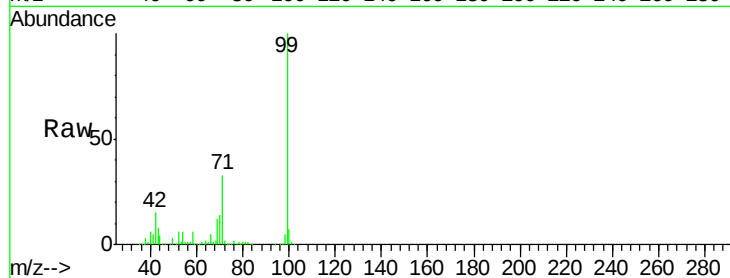
Tgt Ion: 99 Resp: 905808

Ion Ratio Lower Upper

99 100

42 15.5 11.1 16.7

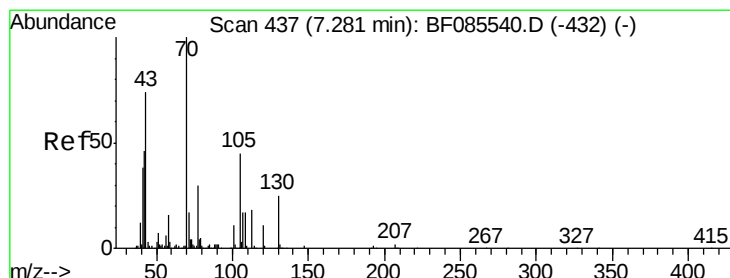
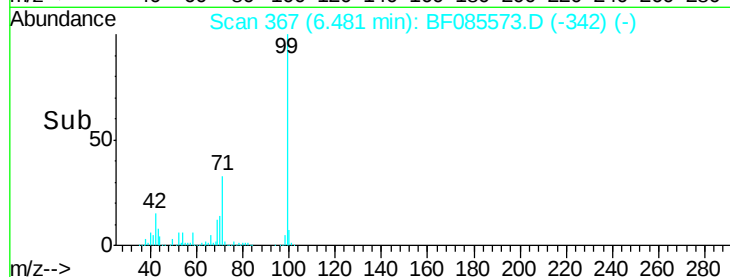
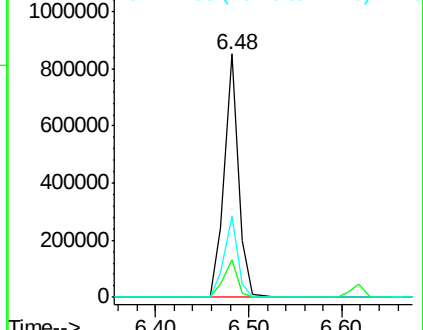
71 33.3 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 15.51 ng

RT: 7.42 min Scan# 449

Delta R.T. 0.14 min

Lab File: BF085573.D

Acq: 19 Mar 2016 15:23

Tgt Ion: 70 Resp: 90123

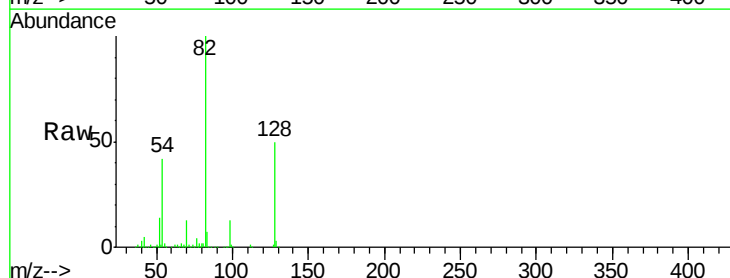
Ion Ratio Lower Upper

70 100

42 36.6 37.1 55.7#

101 0.0 8.6 12.8#

130 2.6 19.6 29.4#

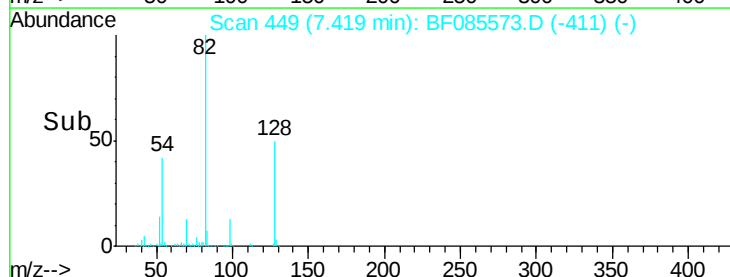
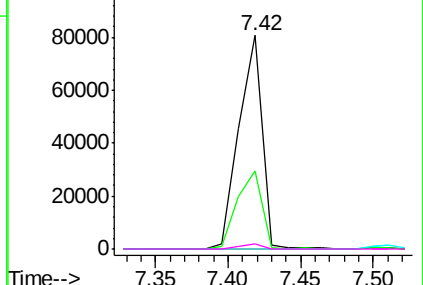


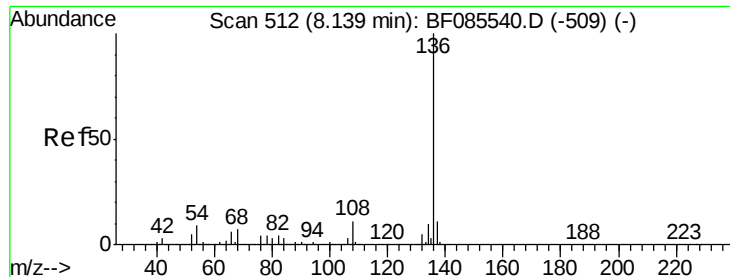
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.14 min Scan# 512

Delta R.T. 0.00 min

Lab File: BF085573.D

Acq: 19 Mar 2016 15:23

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-GRID-9C

Tgt Ion:136 Resp: 539914

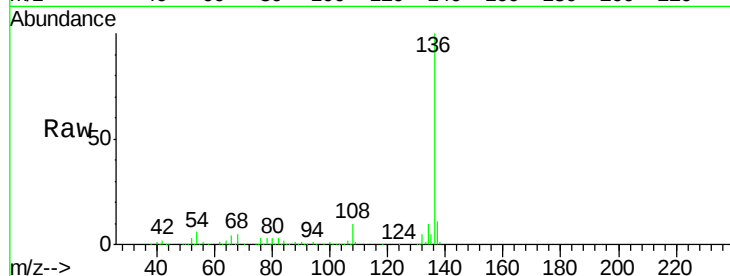
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 5.7 7.4 11.0#

68 5.1 5.8 8.8#

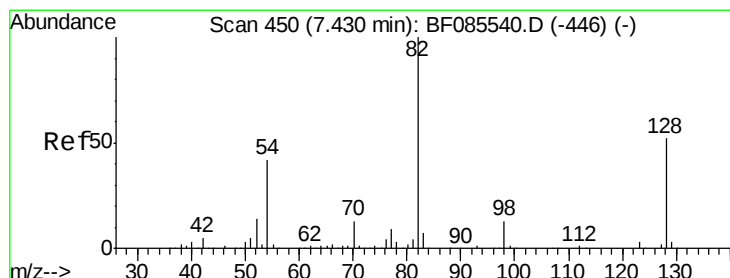
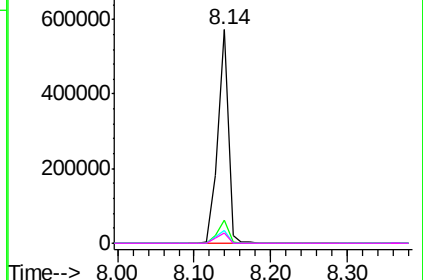
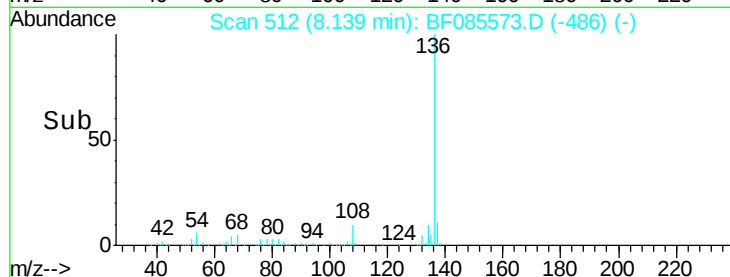


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.35 ng

RT: 7.42 min Scan# 449

Delta R.T. -0.01 min

Lab File: BF085573.D

Acq: 19 Mar 2016 15:23

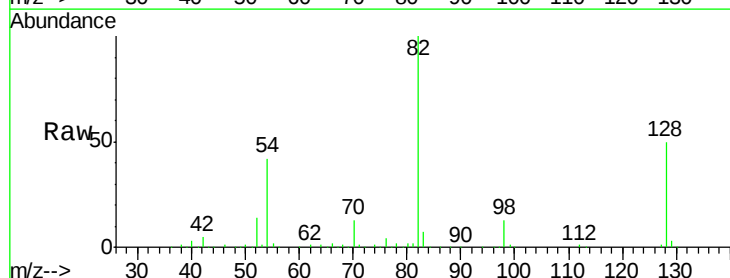
Tgt Ion: 82 Resp: 682271

Ion Ratio Lower Upper

82 100

128 50.5 41.8 62.8

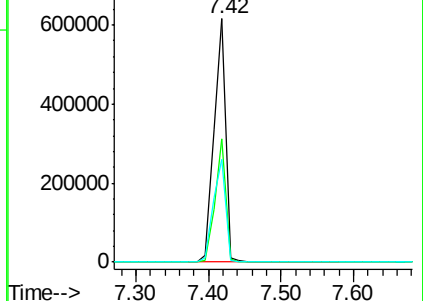
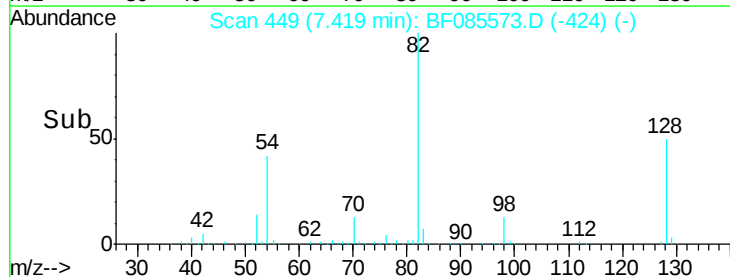
54 42.3 33.4 50.0

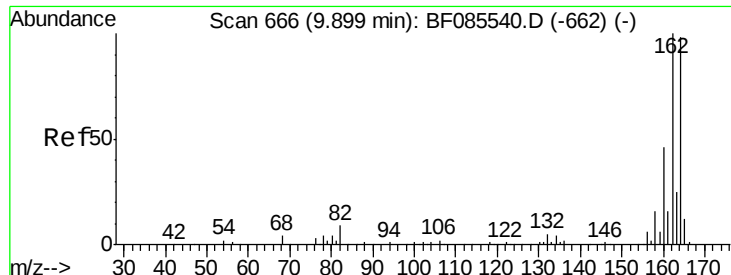


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

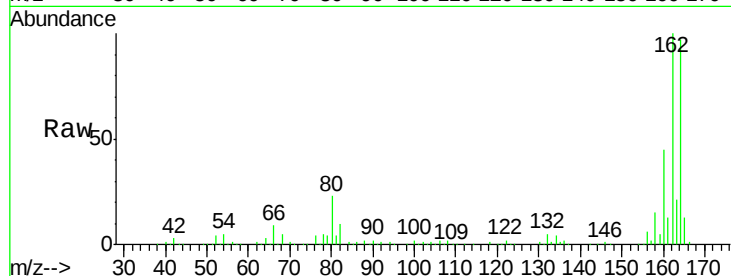




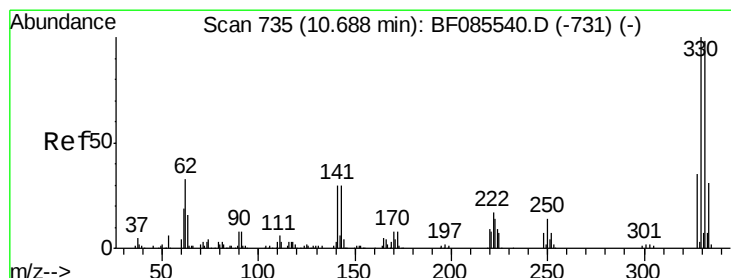
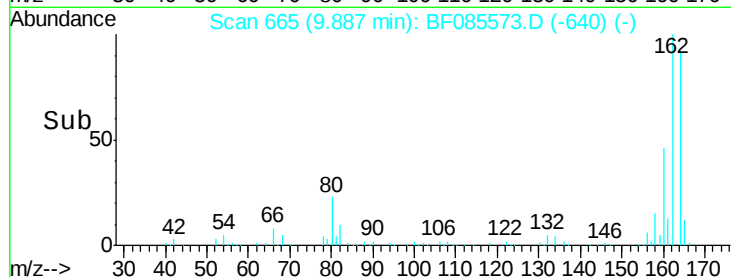
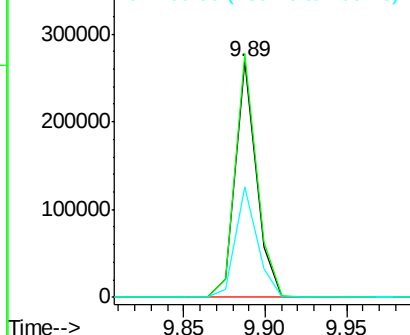
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.89 min Scan# 665  
 Delta R.T. -0.01 min  
 Lab File: BF085573.D  
 Acq: 19 Mar 2016 15:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-GRID-9C

Tgt Ion:164 Resp: 238692  
 Ion Ratio Lower Upper  
 164 100  
 162 103.3 82.1 123.1  
 160 46.9 37.4 56.2

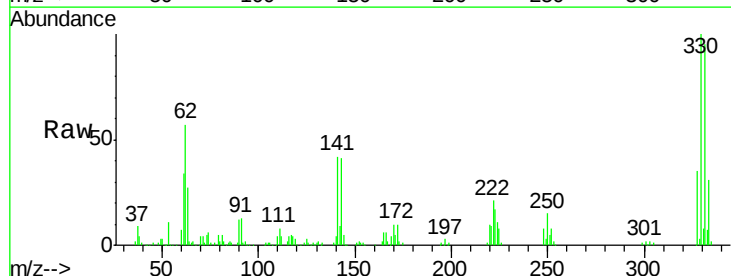


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

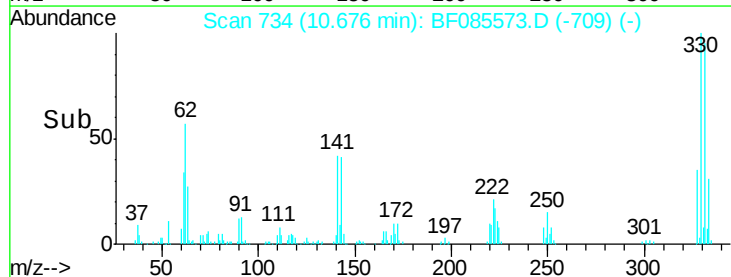
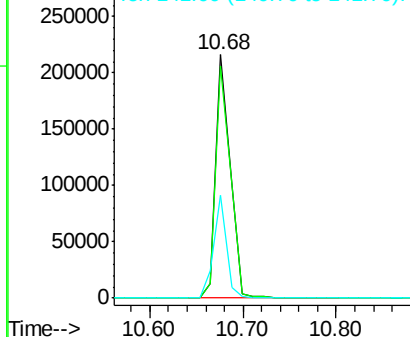


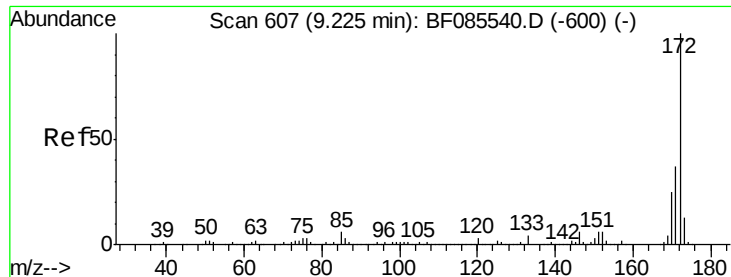
#41  
 2,4,6-Tribromophenol  
 Concen: 99.62 ng  
 RT: 10.68 min Scan# 734  
 Delta R.T. -0.01 min  
 Lab File: BF085573.D  
 Acq: 19 Mar 2016 15:23

Tgt Ion:330 Resp: 232914  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 78.2 117.2  
 141 37.4 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

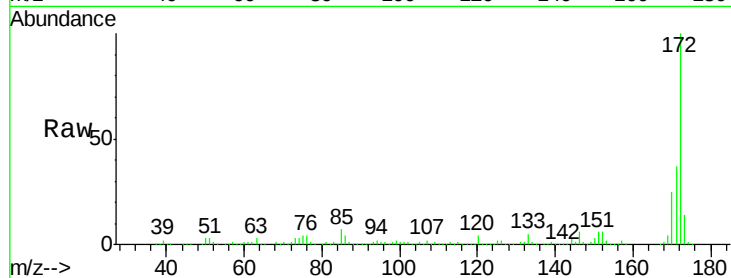




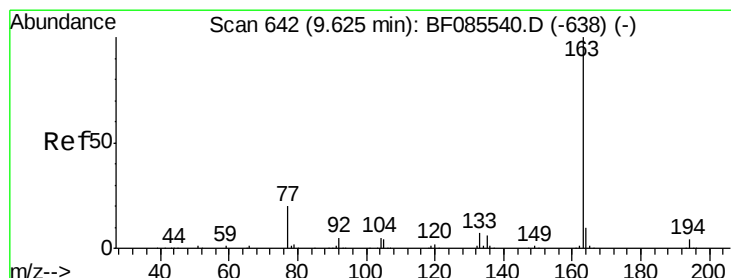
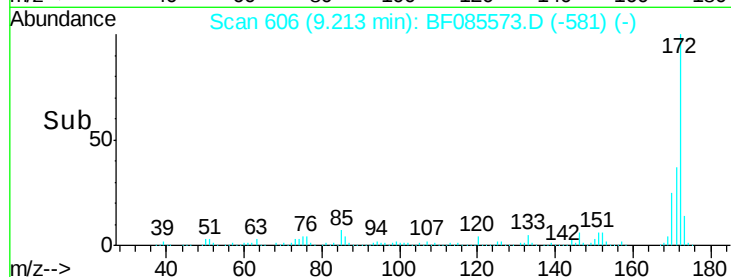
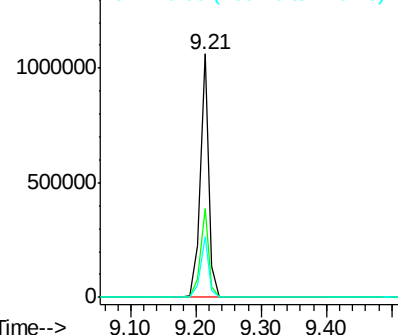
#44  
 2-Fluorobiphenyl  
 Concen: 67.12 ng  
 RT: 9.21 min Scan# 606  
 Delta R.T. -0.01 min  
 Lab File: BF085573.D  
 Acq: 19 Mar 2016 15:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-GRID-9C

Tgt Ion:172 Resp: 990264  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 29.4 44.2  
 170 24.7 19.8 29.6

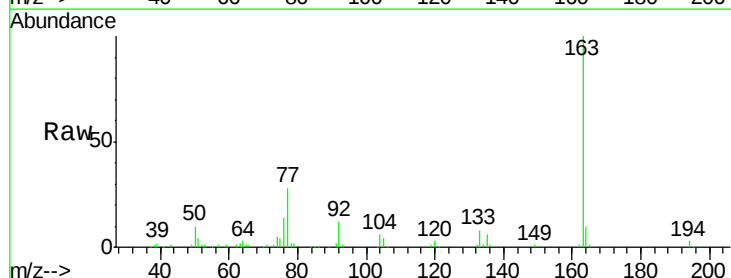


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

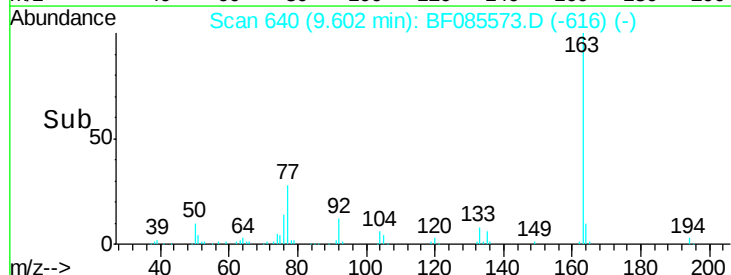
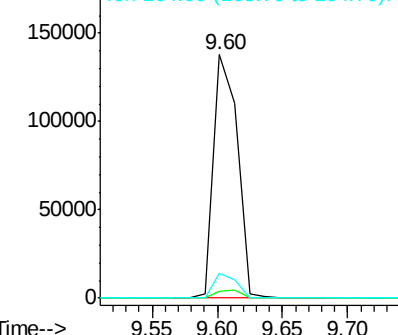


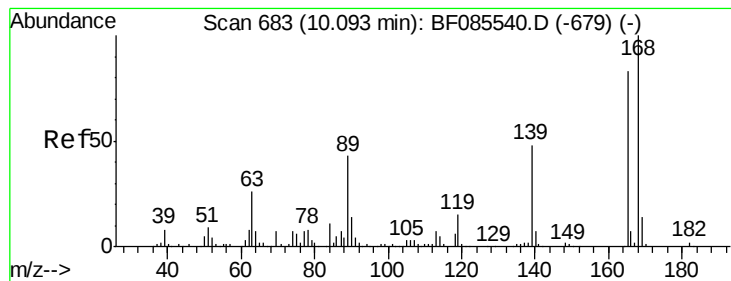
#49  
 Dimethylphthalate  
 Concen: 9.69 ng  
 RT: 9.60 min Scan# 640  
 Delta R.T. -0.02 min  
 Lab File: BF085573.D  
 Acq: 19 Mar 2016 15:23

Tgt Ion:163 Resp: 174528  
 Ion Ratio Lower Upper  
 163 100  
 194 3.0 2.9 4.3  
 164 10.4 8.3 12.5



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

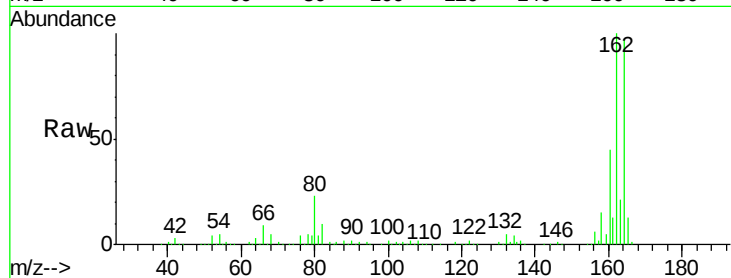




#56  
 2,4-Dinitrotoluene  
 Concen: 6.27 ng  
 RT: 9.89 min Scan# 665  
 Delta R.T. -0.21 min  
 Lab File: BF085573.D  
 Acq: 19 Mar 2016 15:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-GRID-9C

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 31231 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.2   | 24.9  | 37.3# |
| 89       | 1.5   | 41.0  | 61.6# |
| 182      | 0.0   | 2.1   | 3.1#  |

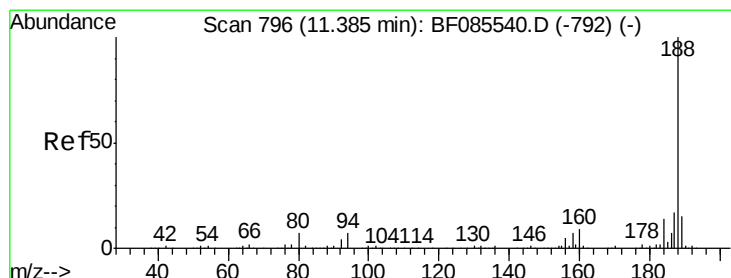
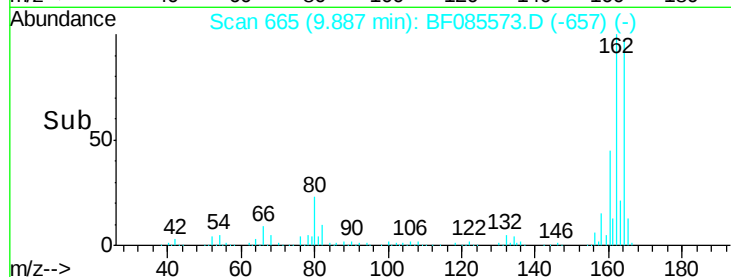
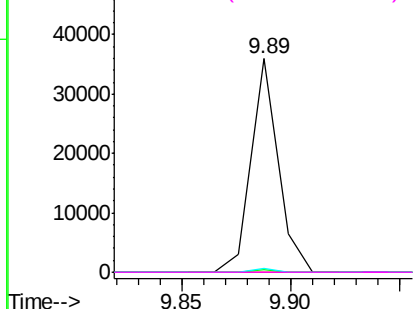


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

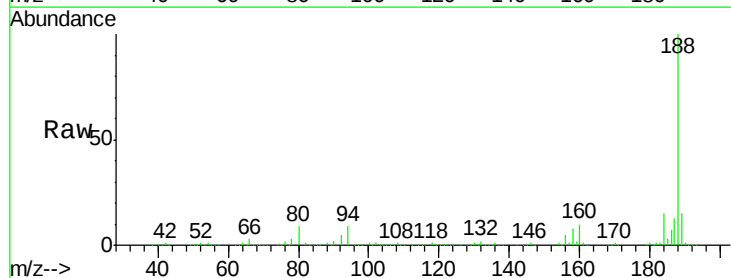
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.37 min Scan# 795  
 Delta R.T. -0.01 min  
 Lab File: BF085573.D  
 Acq: 19 Mar 2016 15:23

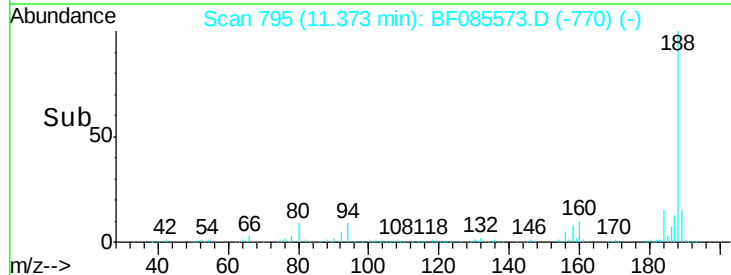
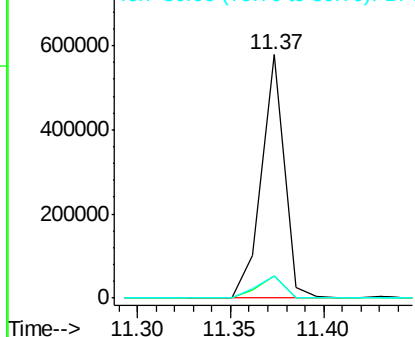
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 486619 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 9.0   | 5.4   | 8.0#   |
| 80       | 9.2   | 5.5   | 8.3#   |

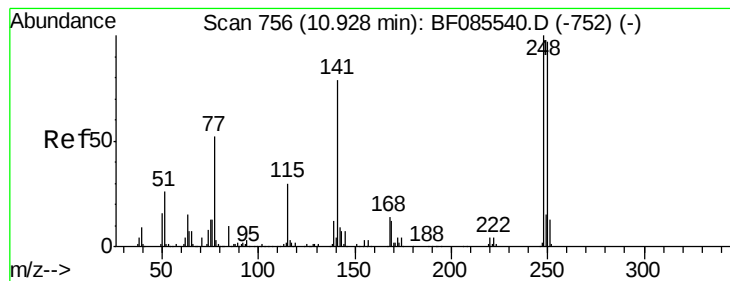


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.14 ng

RT: 10.68 min Scan# 734

Delta R.T. -0.25 min

Lab File: BF085573.D

Acq: 19 Mar 2016 15:23

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-GRID-9C

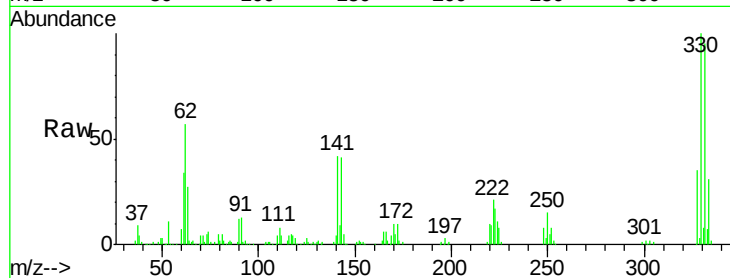
Tgt Ion:248 Resp: 15272

Ion Ratio Lower Upper

248 100

250 202.8 77.4 116.0#

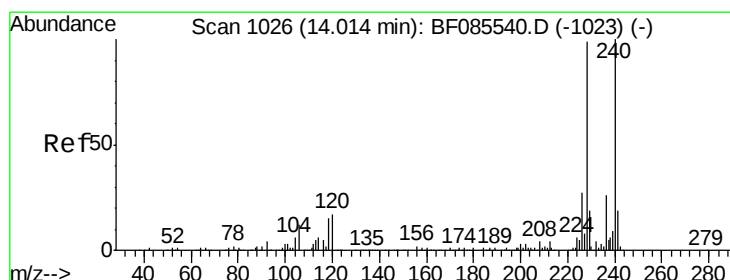
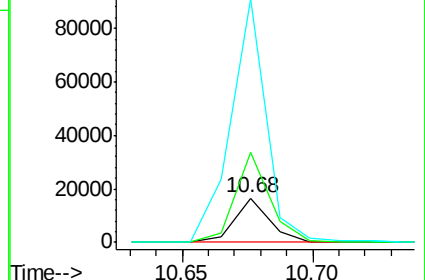
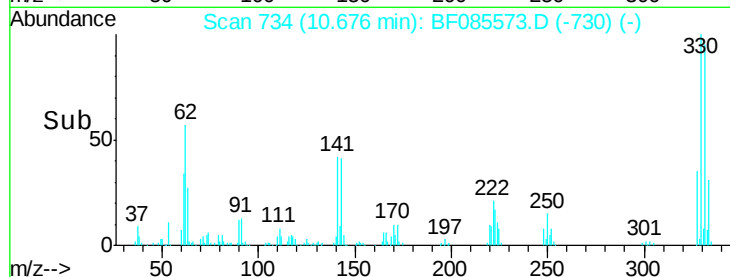
141 551.8 63.6 95.4#



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: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085573.D

Acq: 19 Mar 2016 15:23

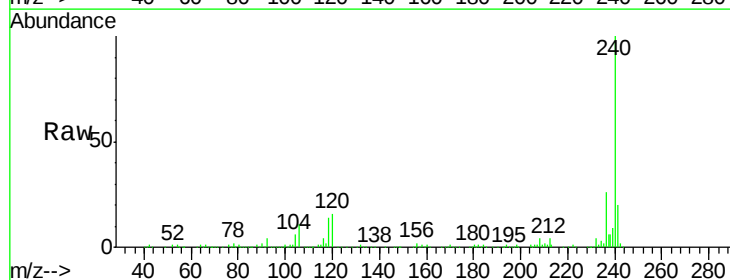
Tgt Ion:240 Resp: 363476

Ion Ratio Lower Upper

240 100

120 15.5 13.8 20.8

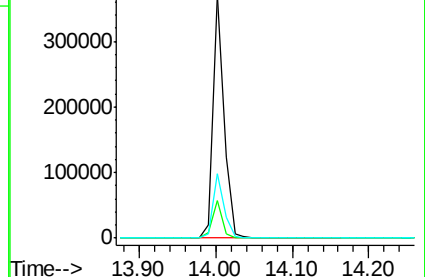
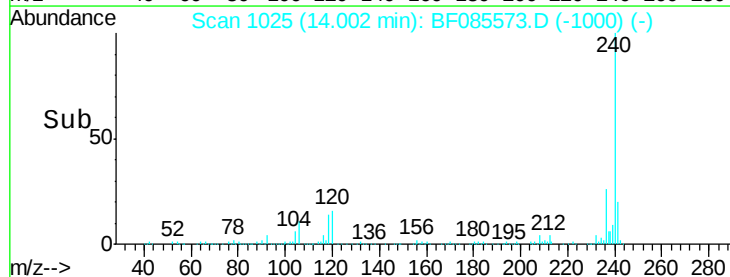
236 26.3 20.6 30.8

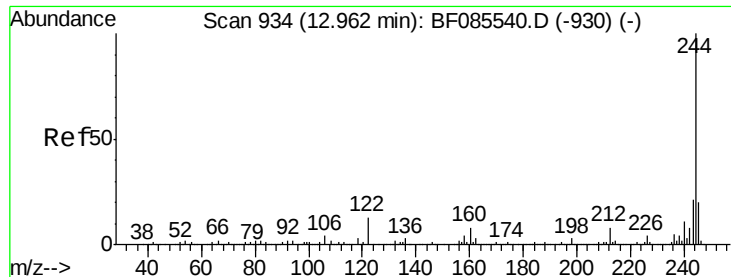


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

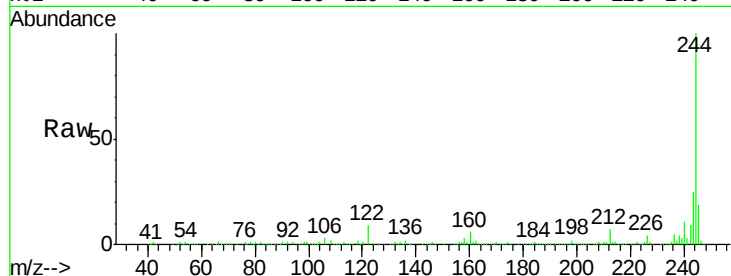




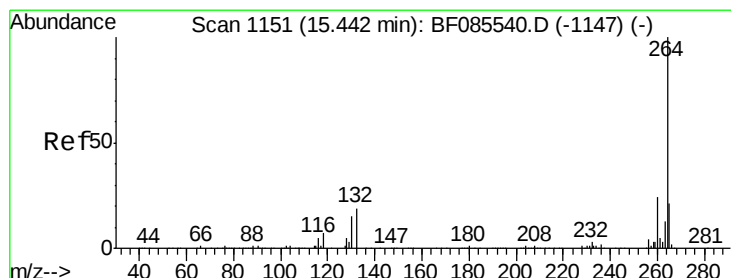
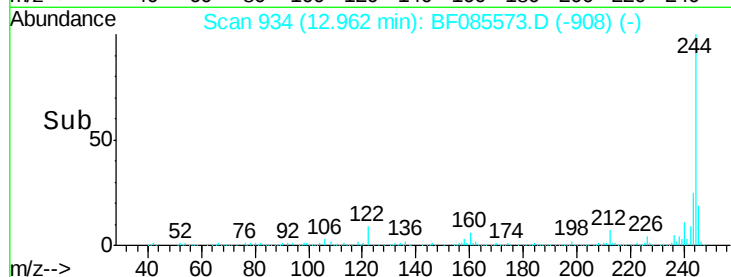
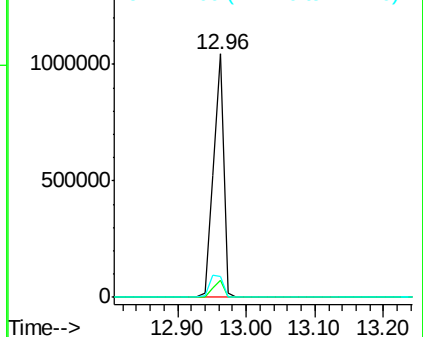
#78  
 Terphenyl-d14  
 Concen: 73.29 ng  
 RT: 12.96 min Scan# 934  
 Delta R.T. -0.00 min  
 Lab File: BF085573.D  
 Acq: 19 Mar 2016 15:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-GRID-9C

Tgt Ion:244 Resp: 1106995  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 6.1 9.1  
 122 8.8 10.2 15.4#

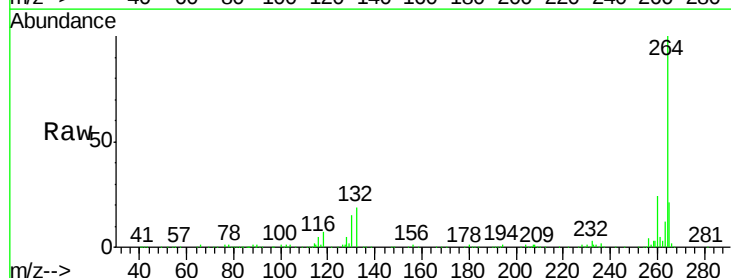


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.43 min Scan# 1150  
 Delta R.T. -0.01 min  
 Lab File: BF085573.D  
 Acq: 19 Mar 2016 15:23

Tgt Ion:264 Resp: 273311  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.4 29.2  
 265 21.3 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

