

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032216\  
 Data File : BF085673.D  
 Acq On : 22 Mar 2016 22:04  
 Operator : UM/SJ  
 Sample : H1857-13  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02(23-25)

Quant Time: Mar 23 00:07:35 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

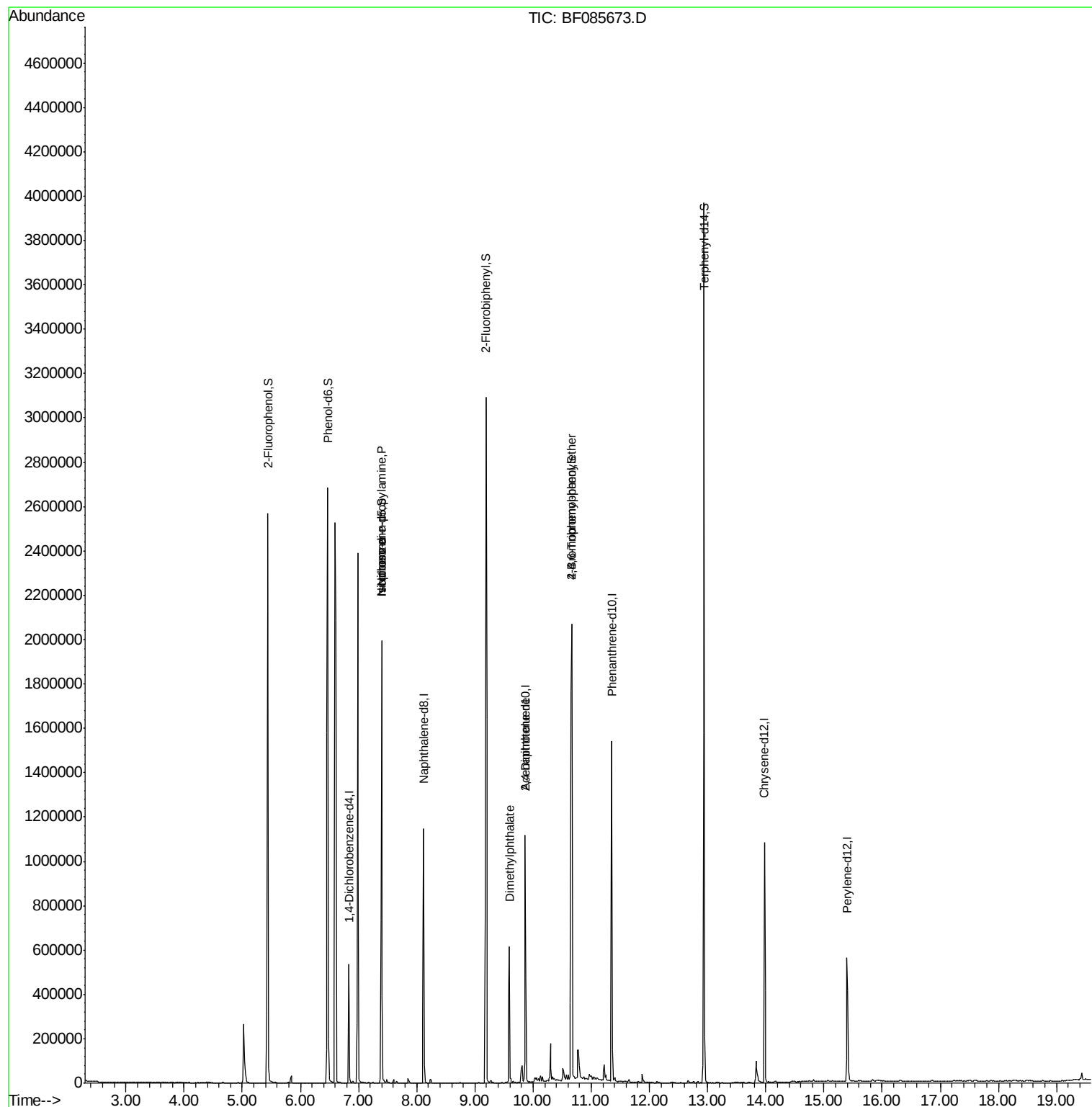
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.84  | 152  | 124654   | 20.00     | ng    | -0.02    |
| 21) Naphthalene-d8             | 8.12  | 136  | 528331   | 20.00     | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.86  | 164  | 242843   | 20.00     | ng    | -0.03    |
| 63) Phenanthrene-d10           | 11.35 | 188  | 513328   | 20.00     | ng    | -0.03    |
| 75) Chrysene-d12               | 13.98 | 240  | 395664   | 20.00     | ng    | -0.03    |
| 86) Perylene-d12               | 15.40 | 264  | 286028   | 20.00     | ng    | -0.05    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.44  | 112  | 1091914  | 147.13    | ng    | -0.01    |
| 7) Phenol-d6                   | 6.47  | 99   | 1224668  | 128.66    | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.40  | 82   | 778419   | 85.52     | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol       | 10.66 | 330  | 433764   | 182.35    | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 9.19  | 172  | 1330235  | 96.80     | ng    | -0.03    |
| 78) Terphenyl-d14              | 12.94 | 244  | 1336894  | 81.31     | ng    | -0.02    |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.47  | 77   | 1532     | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propylamine | 7.40  | 70   | 102927   | 18.10     | ng    | # 77     |
| 25) Isophorone                 | 7.40  | 82   | 593752   | 32.58     | ng    | # 68     |
| 49) Dimethylphthalate          | 9.59  | 163  | 292310   | 15.95     | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.86  | 165  | 31471    | 6.21      | ng    | # 37     |
| 66) 4-Bromophenyl-phenylether  | 10.66 | 248  | 26853    | 5.24      | ng    | # 1      |

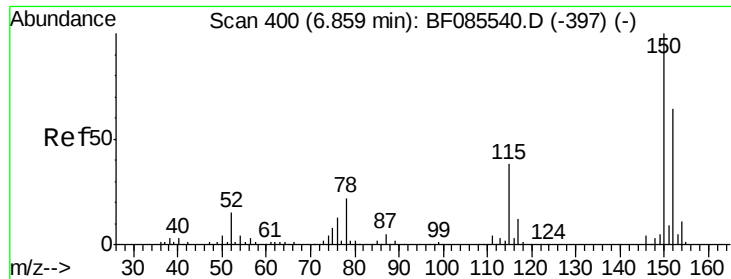
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032216\  
Data File : BF085673.D  
Acq On : 22 Mar 2016 22:04  
Operator : UM/SJ  
Sample : H1857-13  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-02(23-25)

Quant Time: Mar 23 00:07:35 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 398

Delta R.T. -0.02 min

Lab File: BF085673.D

Acq: 22 Mar 2016 22:04

Instrument :

BNA\_F

ClientSampleId :

SB-02(23-25)

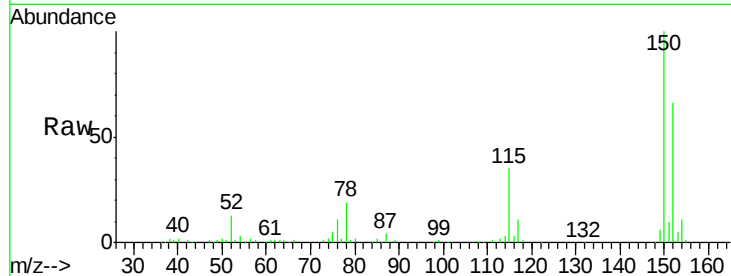
Tgt Ion:152 Resp: 124654

Ion Ratio Lower Upper

152 100

150 152.5 124.2 186.2

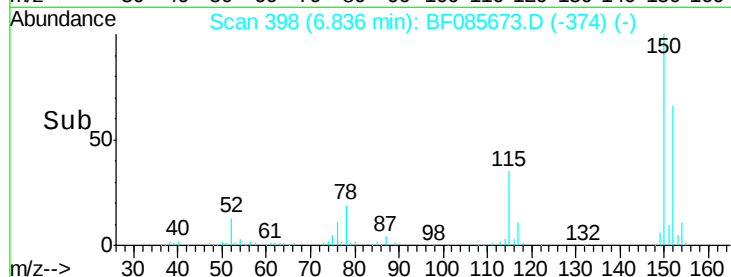
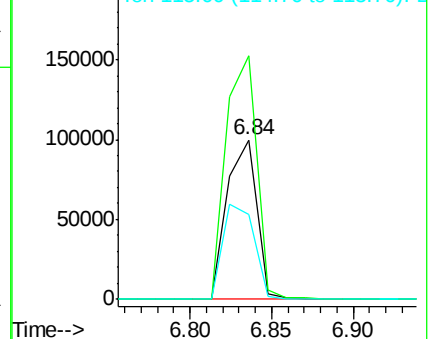
115 53.2 47.0 70.6



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: 147.13 ng

RT: 5.44 min Scan# 276

Delta R.T. -0.01 min

Lab File: BF085673.D

Acq: 22 Mar 2016 22:04

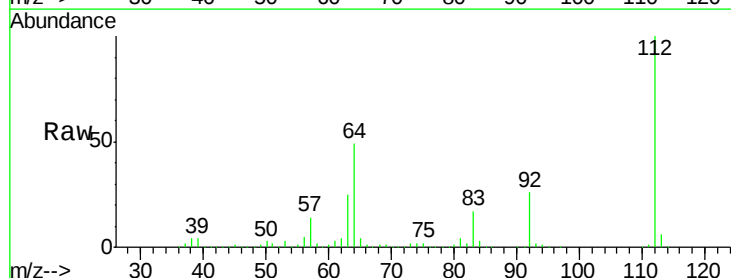
Tgt Ion:112 Resp: 1091914

Ion Ratio Lower Upper

112 100

64 48.6 39.9 59.9

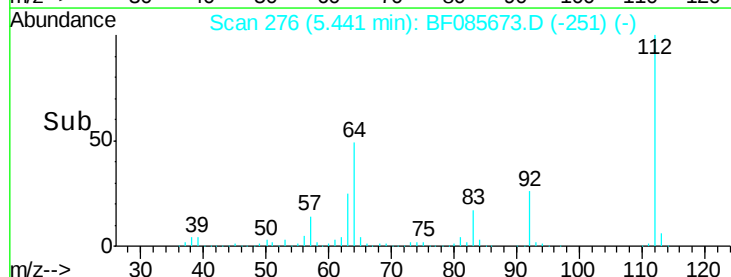
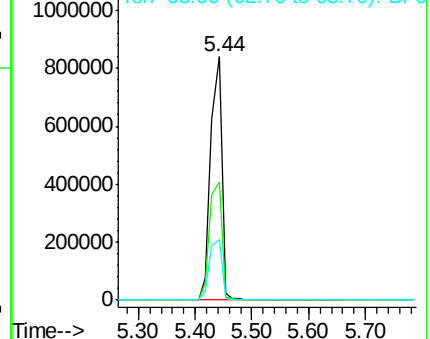
63 24.8 20.2 30.2



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: 128.66 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085673.D

Acq: 22 Mar 2016 22:04

Instrument :

BNA\_F

ClientSampleId :

SB-02(23-25)

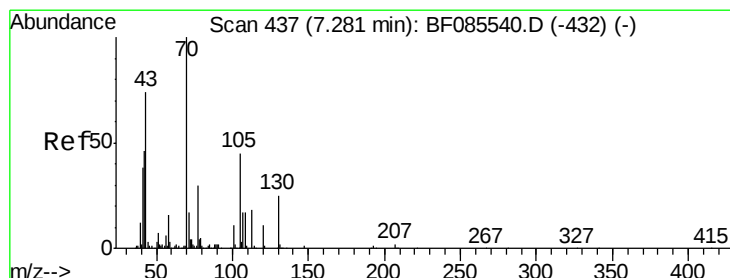
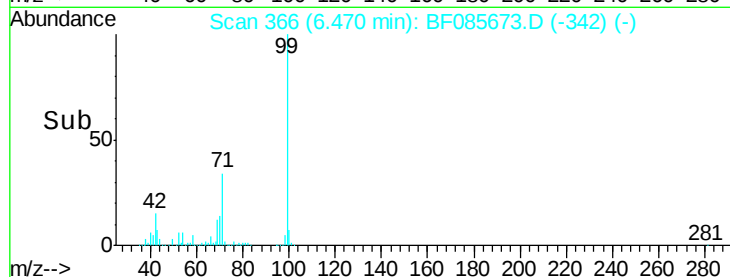
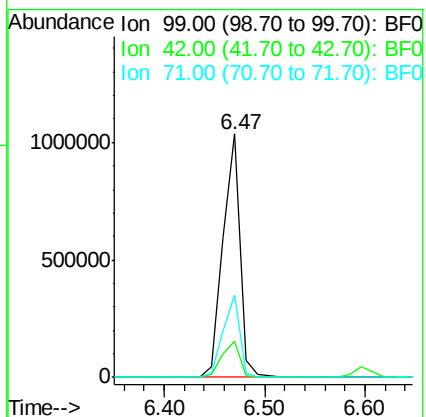
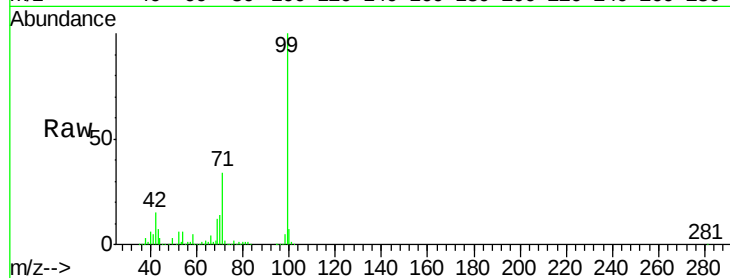
Tgt Ion: 99 Resp: 1224668

Ion Ratio Lower Upper

99 100

42 15.0 11.1 16.7

71 33.6 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 18.10 ng

RT: 7.40 min Scan# 447

Delta R.T. 0.11 min

Lab File: BF085673.D

Acq: 22 Mar 2016 22:04

Tgt Ion: 70 Resp: 102927

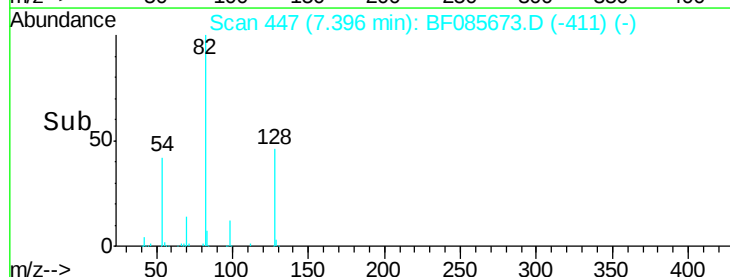
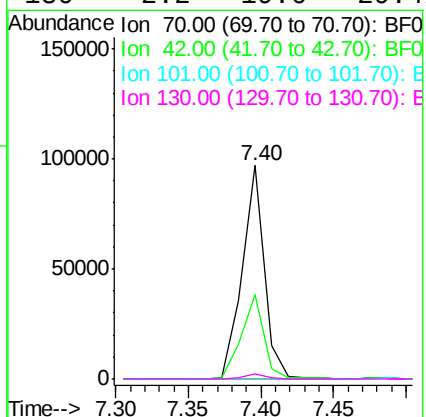
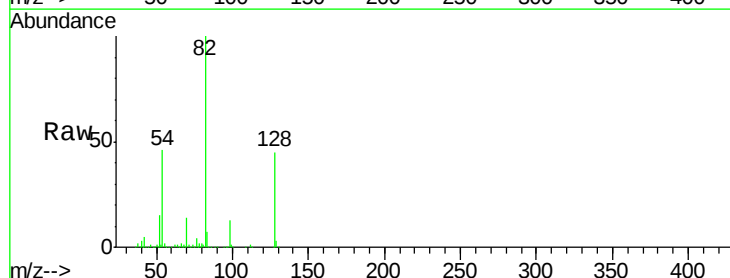
Ion Ratio Lower Upper

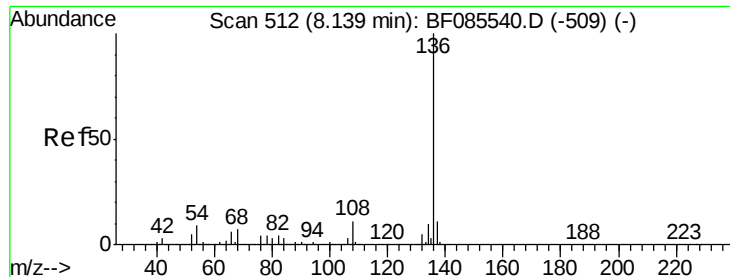
70 100

42 39.5 37.1 55.7

101 0.0 8.6 12.8#

130 2.2 19.6 29.4#

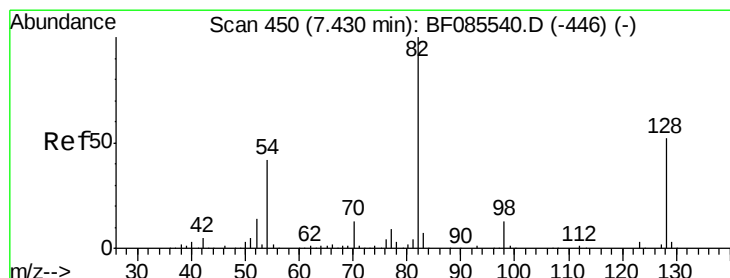
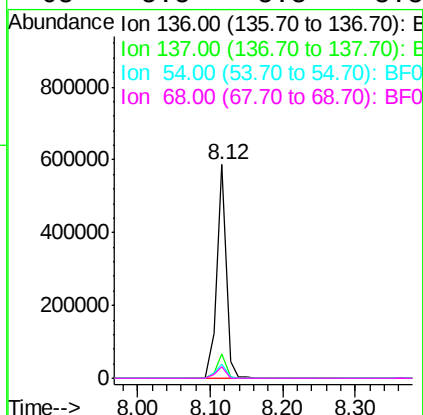
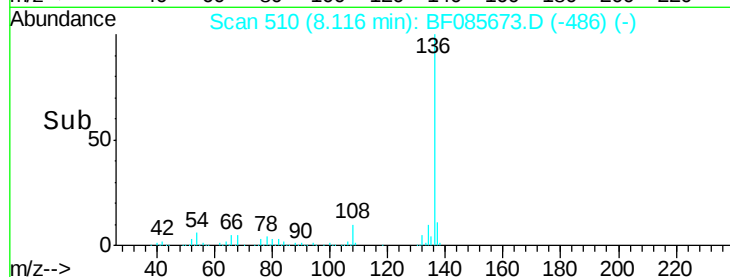
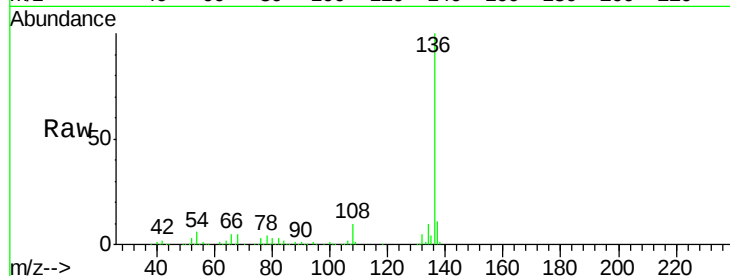




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.12 min Scan# 510  
Delta R.T. -0.02 min  
Lab File: BF085673.D  
Acq: 22 Mar 2016 22:04

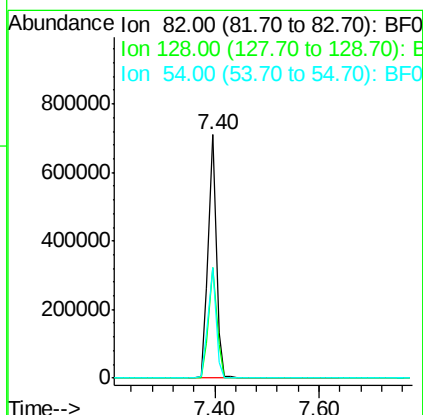
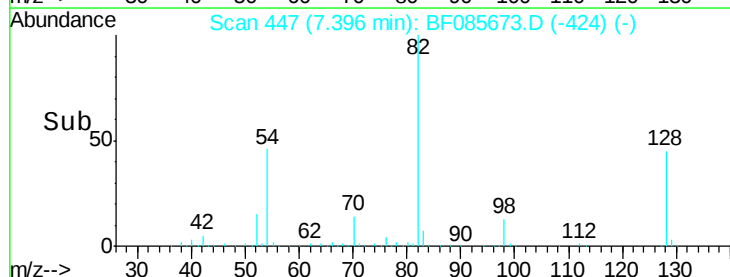
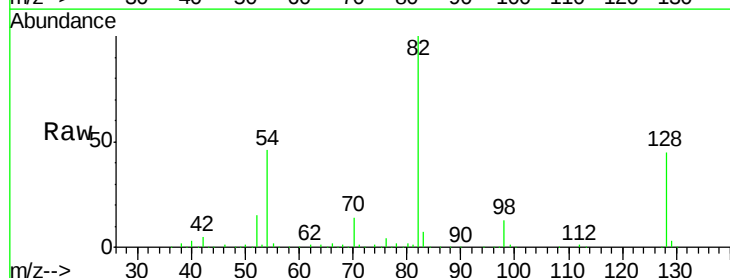
Instrument :  
BNA\_F  
ClientSampleId :  
SB-02(23-25)

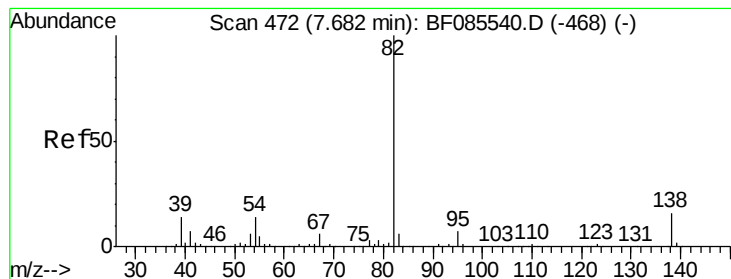
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 528331 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 9.1   | 13.7   |
| 54       | 6.5   | 7.4   | 11.0#  |
| 68       | 5.5   | 5.8   | 8.8#   |



#23  
Nitrobenzene-d5  
Concen: 85.52 ng  
RT: 7.40 min Scan# 447  
Delta R.T. -0.03 min  
Lab File: BF085673.D  
Acq: 22 Mar 2016 22:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 778419 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 45.5  | 41.8  | 62.8   |
| 54       | 45.5  | 33.4  | 50.0   |





#25

Isophorone

Concen: 32.58 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.29 min

Lab File: BF085673.D

Acq: 22 Mar 2016 22:04

Instrument :

BNA\_F

ClientSampleId :

SB-02(23-25)

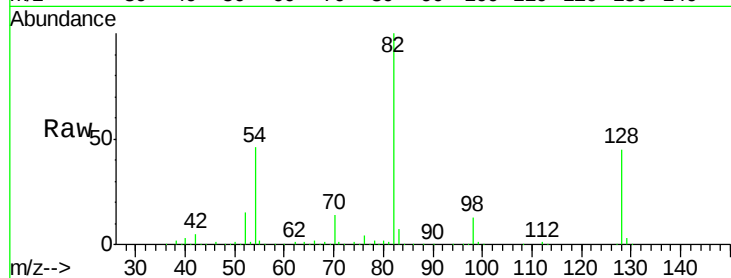
Tgt Ion: 82 Resp: 593752

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

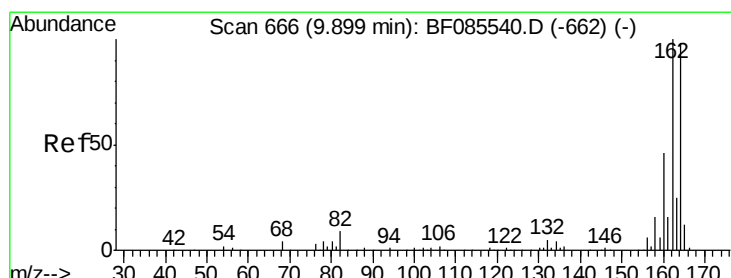
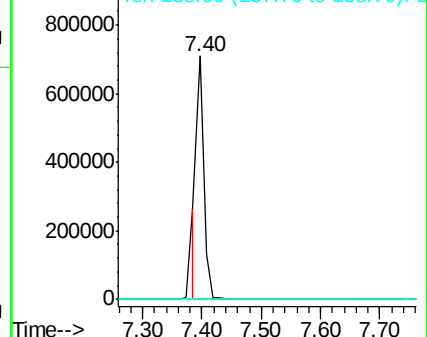
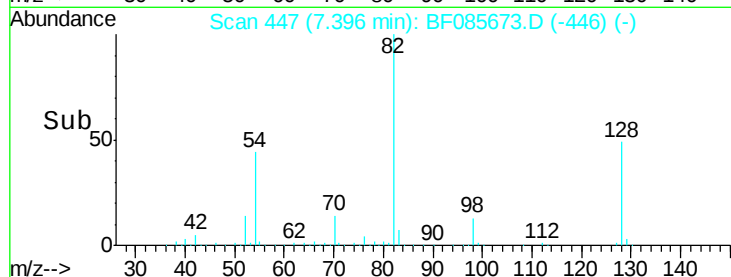
138 0.0 12.9 19.3#



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: 9.86 min Scan# 663

Delta R.T. -0.03 min

Lab File: BF085673.D

Acq: 22 Mar 2016 22:04

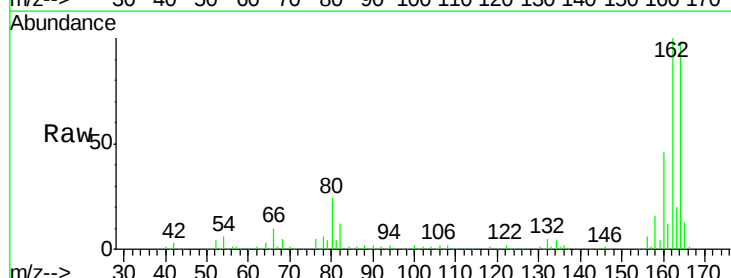
Tgt Ion: 164 Resp: 242843

Ion Ratio Lower Upper

164 100

162 101.5 82.1 123.1

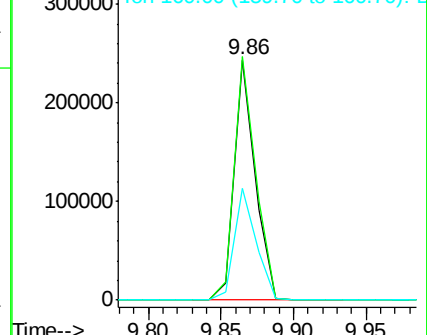
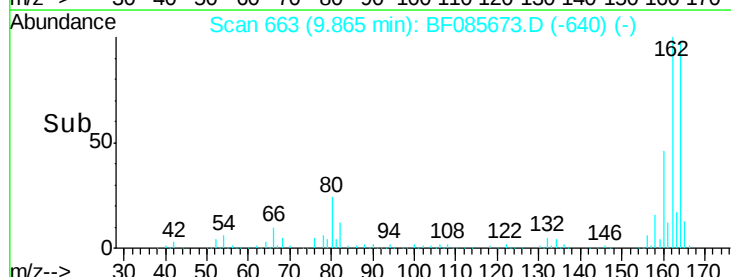
160 46.4 37.4 56.2

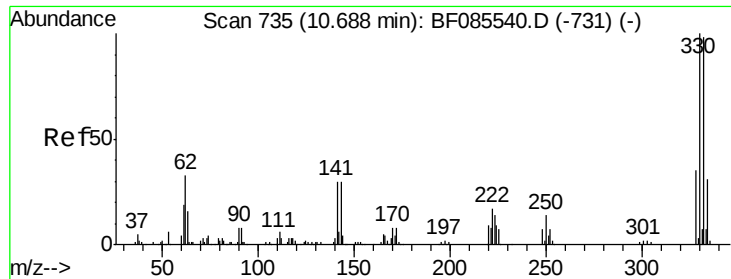


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

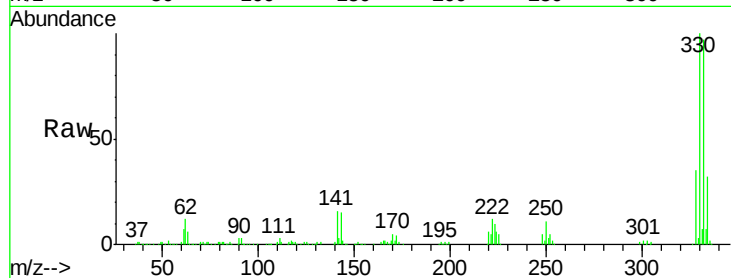




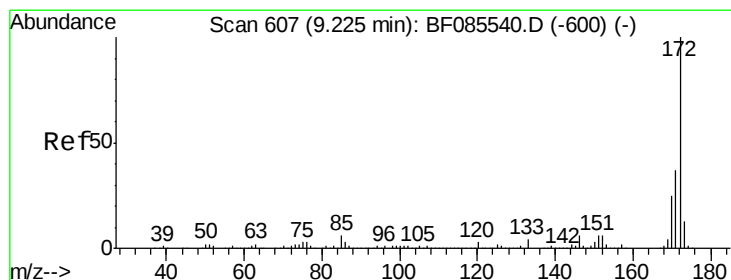
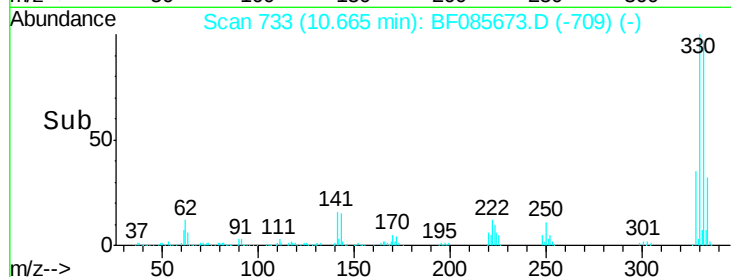
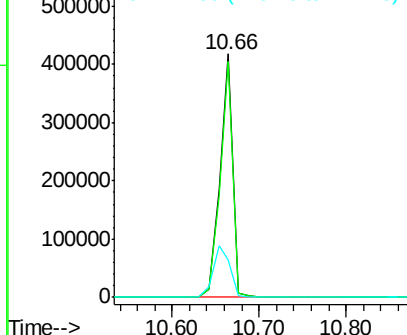
#41  
 2,4,6-Tribromophenol  
 Concen: 182.35 ng  
 RT: 10.66 min Scan# 733  
 Delta R.T. -0.02 min  
 Lab File: BF085673.D  
 Acq: 22 Mar 2016 22:04

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-02(23-25)

Tgt Ion:330 Resp: 433764  
 Ion Ratio Lower Upper  
 330 100  
 332 96.1 78.2 117.2  
 141 28.3 31.5 47.3#

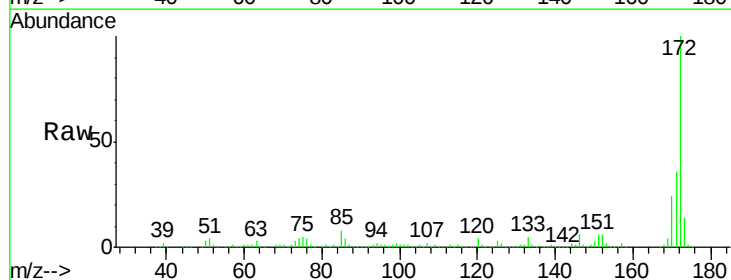


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

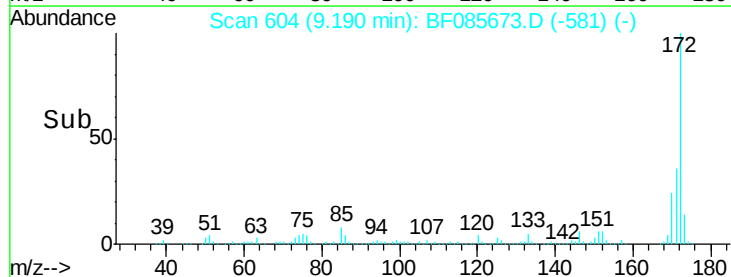
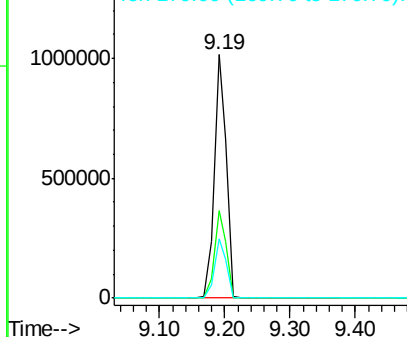


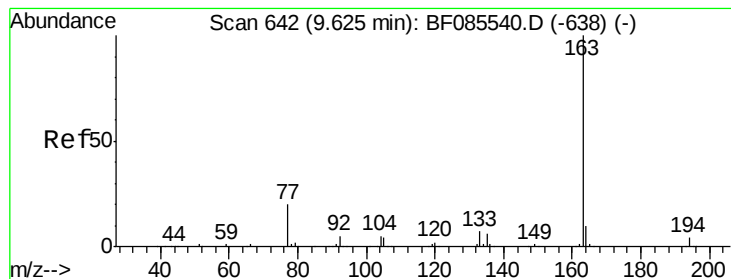
#44  
 2-Fluorobiphenyl  
 Concen: 96.80 ng  
 RT: 9.19 min Scan# 604  
 Delta R.T. -0.03 min  
 Lab File: BF085673.D  
 Acq: 22 Mar 2016 22:04

Tgt Ion:172 Resp: 1330235  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 29.4 44.2  
 170 24.4 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: 15.95 ng

RT: 9.59 min Scan# 639

Delta R.T. -0.03 min

Lab File: BF085673.D

Acq: 22 Mar 2016 22:04

Instrument :

BNA\_F

ClientSampleId :

SB-02(23-25)

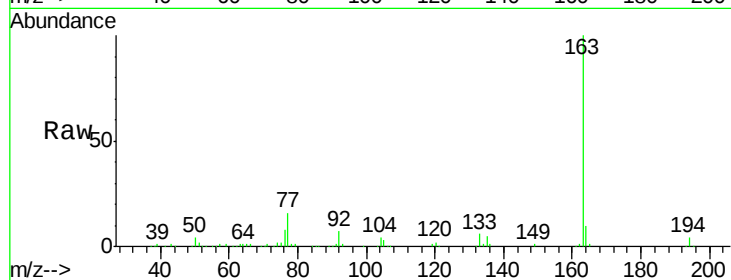
Tgt Ion:163 Resp: 292310

Ion Ratio Lower Upper

163 100

194 3.7 2.9 4.3

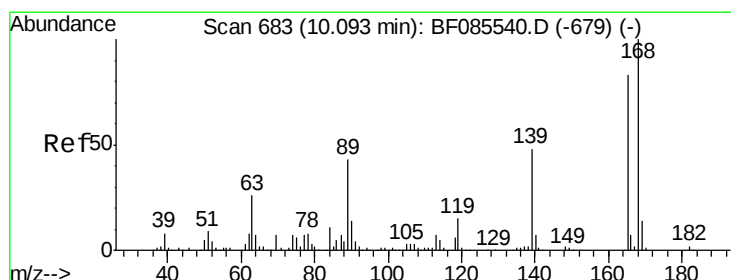
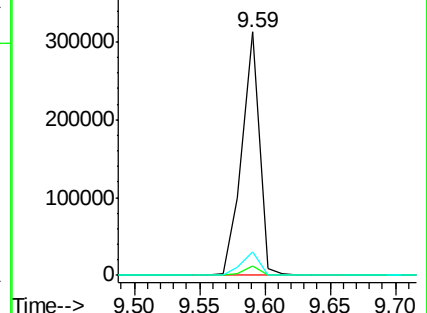
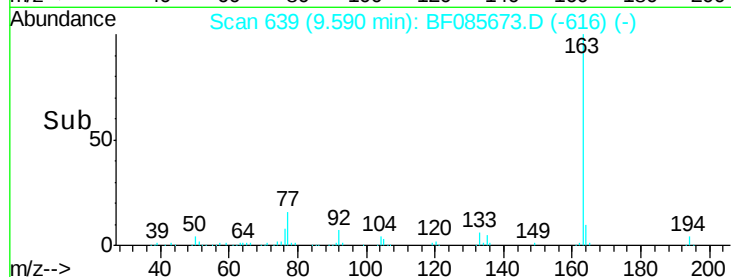
164 9.8 8.3 12.5



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: 6.21 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.23 min

Lab File: BF085673.D

Acq: 22 Mar 2016 22:04

Tgt Ion:165 Resp: 31471

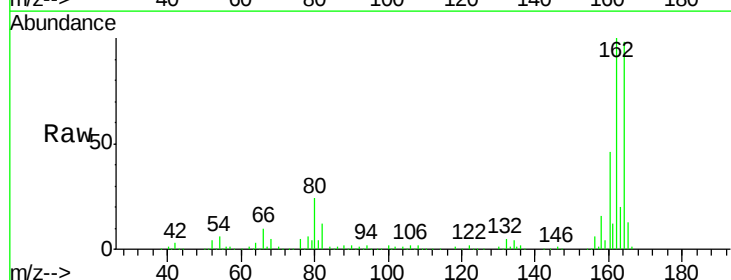
Ion Ratio Lower Upper

165 100

63 1.4 24.9 37.3#

89 1.3 41.0 61.6#

182 0.0 2.1 3.1#

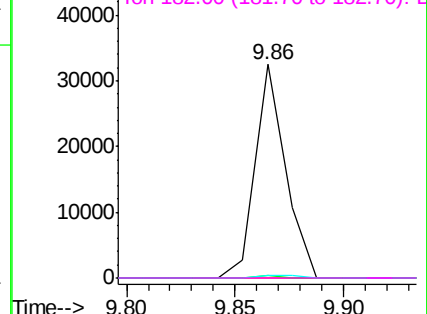
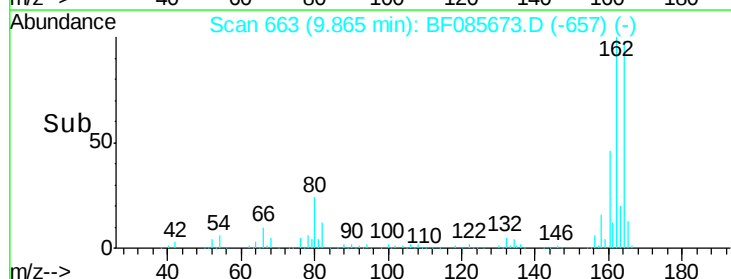


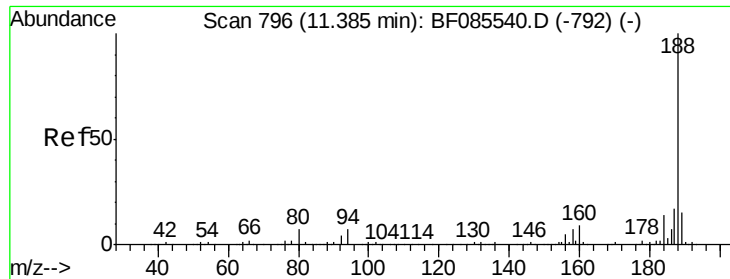
Abundance Ion 165.00 (164.70 to 165.70): E

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

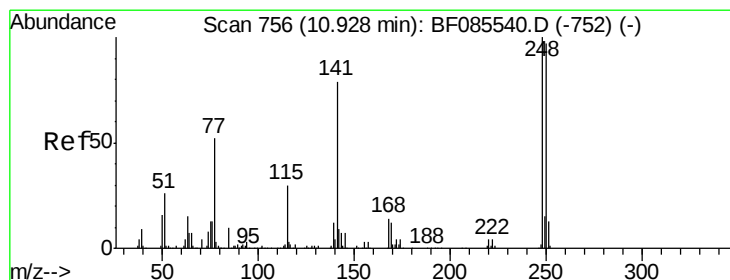
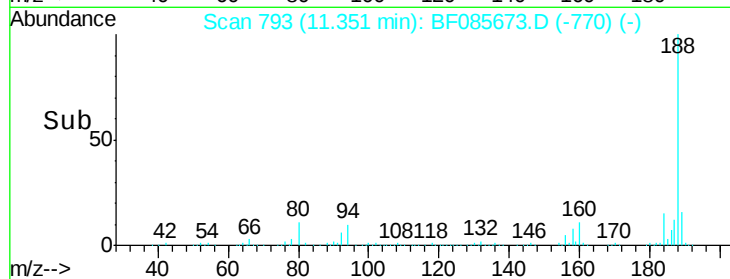
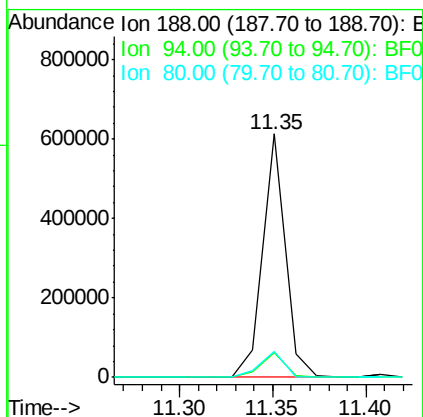
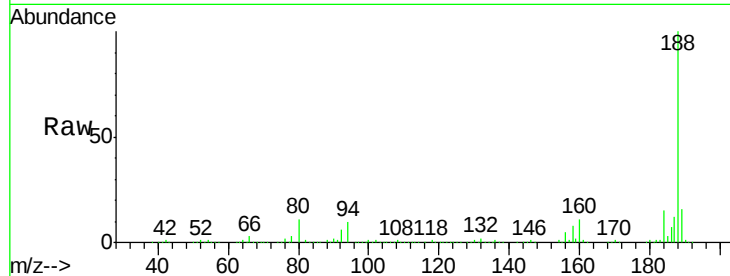




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.35 min Scan# 793  
 Delta R.T. -0.03 min  
 Lab File: BF085673.D  
 Acq: 22 Mar 2016 22:04

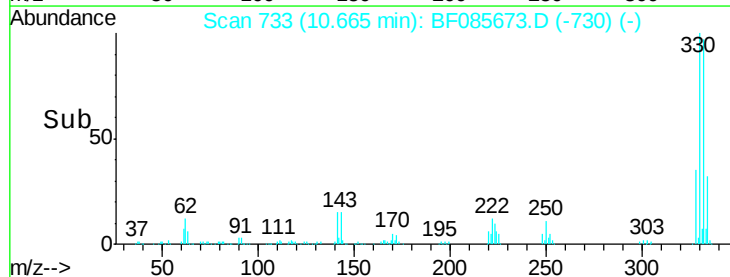
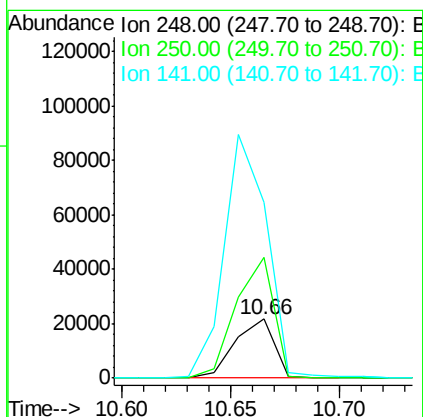
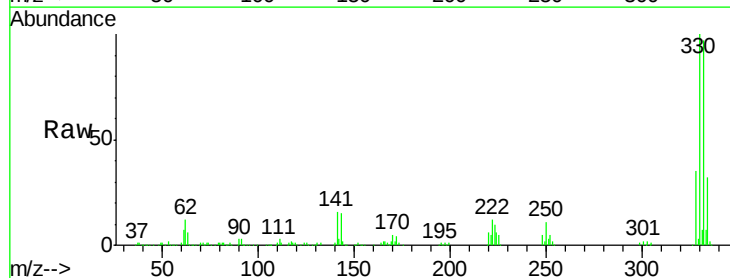
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02(23-25)

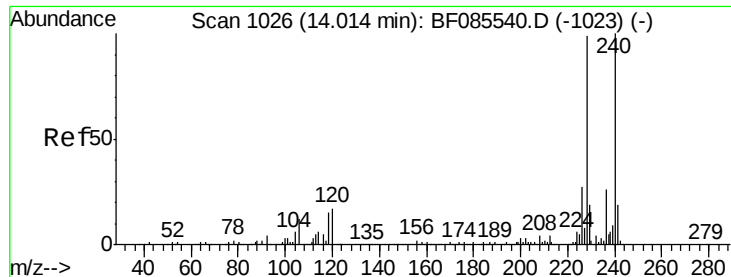
Tgt Ion:188 Resp: 513328  
 Ion Ratio Lower Upper  
 188 100  
 94 10.3 5.4 8.0#  
 80 10.7 5.5 8.3#



#66  
 4-Bromophenyl-phenylether  
 Concen: 5.24 ng  
 RT: 10.66 min Scan# 733  
 Delta R.T. -0.26 min  
 Lab File: BF085673.D  
 Acq: 22 Mar 2016 22:04

Tgt Ion:248 Resp: 26853  
 Ion Ratio Lower Upper  
 248 100  
 250 206.4 77.4 116.0#  
 141 300.2 63.6 95.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1023

Delta R.T. -0.03 min

Lab File: BF085673.D

Acq: 22 Mar 2016 22:04

Instrument :

BNA\_F

ClientSampleId :

SB-02(23-25)

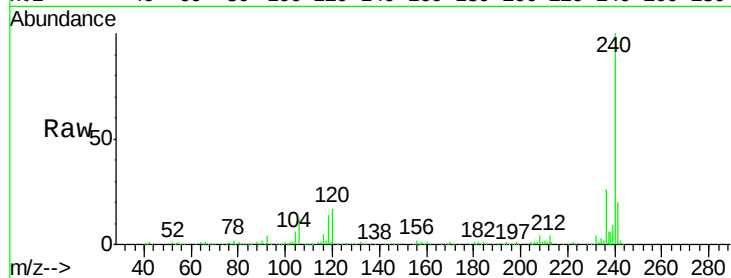
Tgt Ion:240 Resp: 395664

Ion Ratio Lower Upper

240 100

120 16.6 13.8 20.8

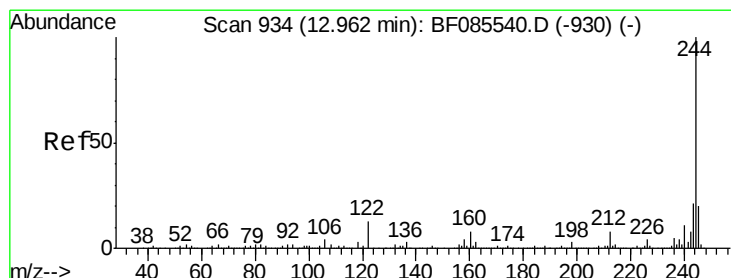
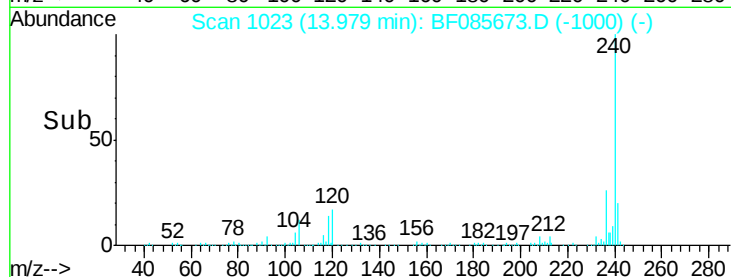
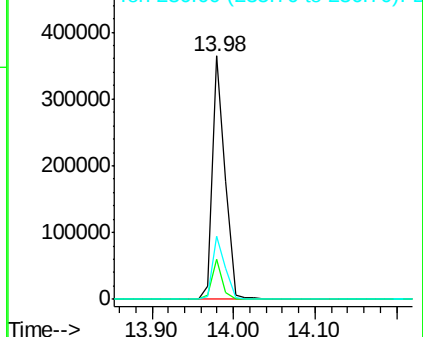
236 26.2 20.6 30.8



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: 81.31 ng

RT: 12.94 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF085673.D

Acq: 22 Mar 2016 22:04

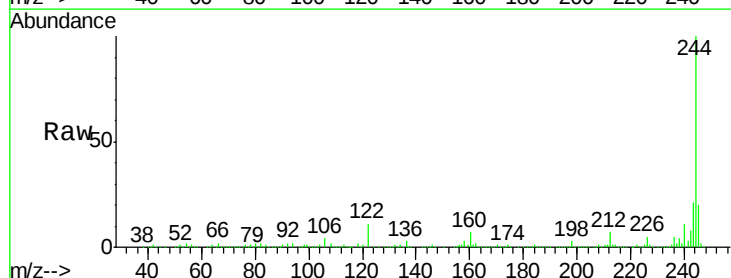
Tgt Ion:244 Resp: 1336894

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

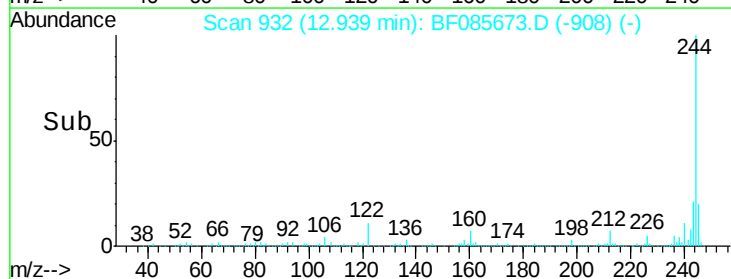
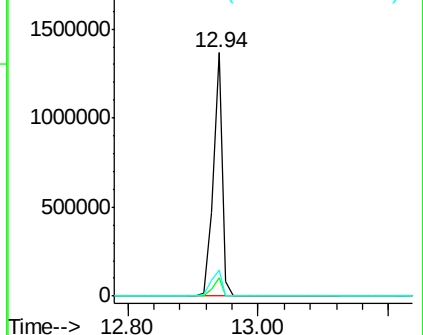
122 10.8 10.2 15.4

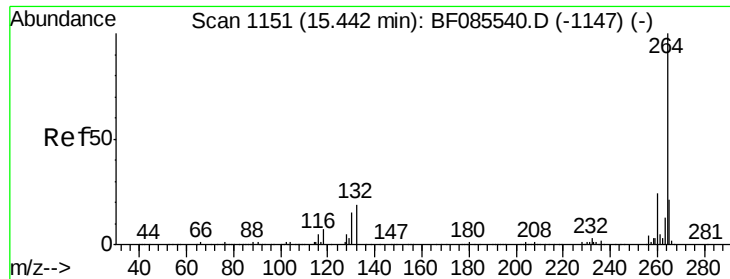


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

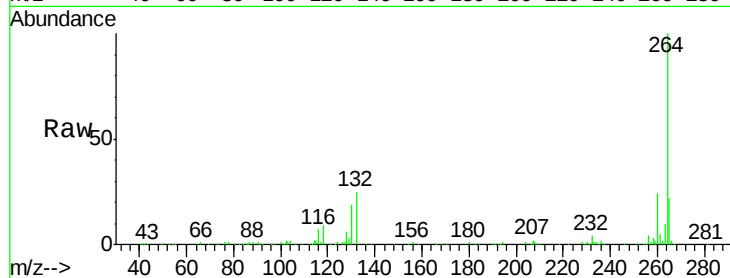




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.40 min Scan# 1147  
Delta R.T. -0.05 min  
Lab File: BF085673.D  
Acq: 22 Mar 2016 22:04

Instrument :  
BNA\_F  
ClientSampleId :  
SB-02(23-25)

Tgt Ion: 264 Resp: 286028  
Ion Ratio Lower Upper  
264 100  
260 24.2 19.4 29.2  
265 21.9 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

