

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\  
 Data File : BF086873.D  
 Acq On : 10 May 2016 21:37  
 Operator : UM/SJ  
 Sample : H2916-08  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VITALE-FILL-CSPH3-8K

Quant Time: May 11 03:45:31 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 09 16:04:56 2016  
 Response via : Initial Calibration

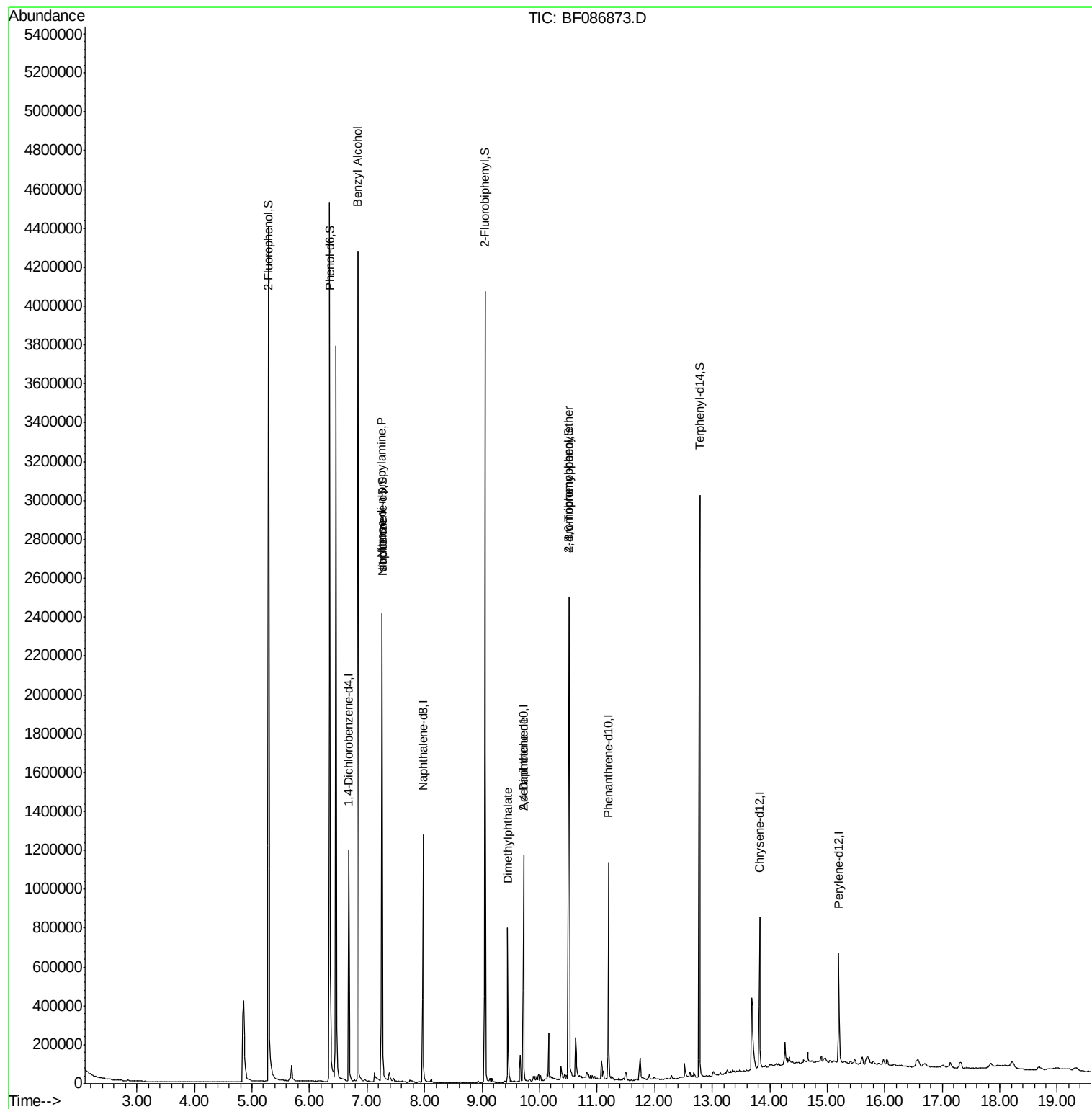
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.68  | 152  | 158097   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 7.97  | 136  | 578987   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.72  | 164  | 237688   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.20 | 188  | 382265   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 13.83 | 240  | 299080   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.20 | 264  | 250712   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.29  | 112  | 1207000  | 129.29 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.35  | 99   | 1579992  | 126.64 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.26  | 82   | 1143035  | 99.13  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.51 | 330  | 302816   | 120.34 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.05  | 172  | 1389994  | 98.28  | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.79 | 244  | 1143266  | 81.10  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.84  | 79   | 19897    | 2.31   | ng    | # 40     |
| 19) n-Nitroso-di-n-propylamine | 7.25  | 70   | 160819   | 18.44  | ng    | # 68     |
| 25) Isophorone                 | 7.26  | 82   | 1069208  | 49.98  | ng    | # 68     |
| 49) Dimethylphthalate          | 9.45  | 163  | 275319   | 15.18  | ng    | 100      |
| 56) 2,4-Dinitrotoluene         | 9.72  | 165  | 30167    | 6.39   | ng    | # 16     |
| 66) 4-Bromophenyl-phenylether  | 10.51 | 248  | 19156    | 4.94   | ng    | # 1      |

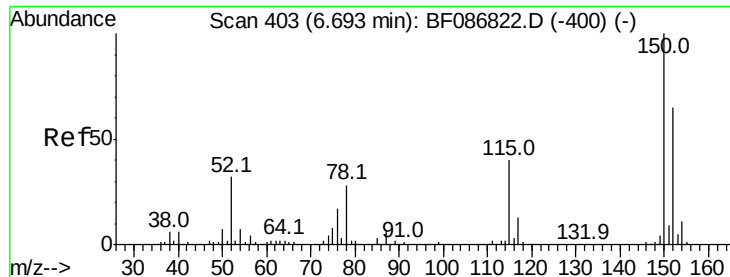
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.01 min

Lab File: BF086873.D

Acq: 10 May 2016 21:37

Instrument :

BNA\_F

ClientSampleId :

VITALE-FILL-CSPH3-8K

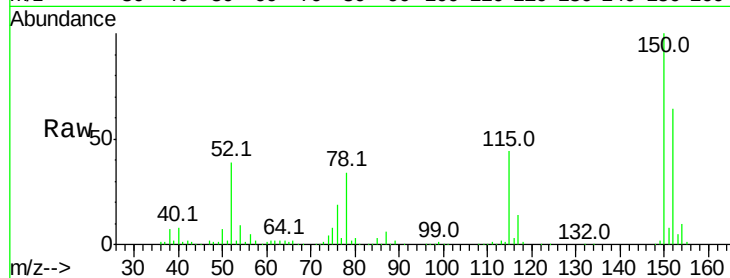
Tot Ion:152 Resp: 158097

Ion Ratio Lower Upper

152 100

150 156.2 125.8 188.6

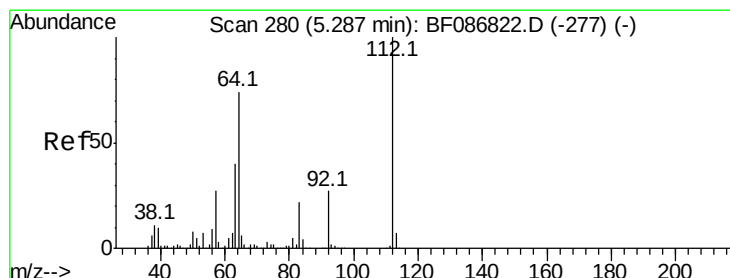
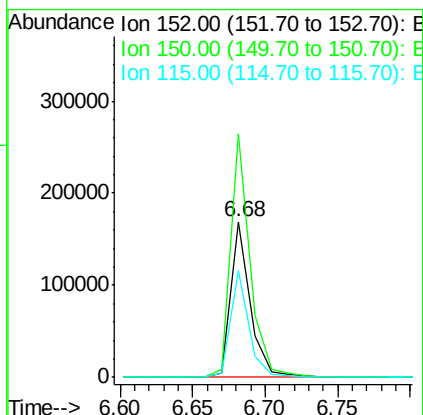
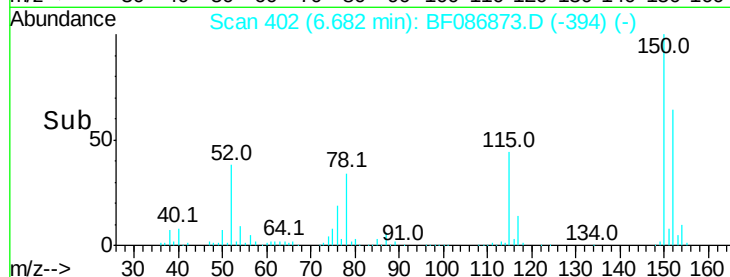
115 68.1 51.5 77.3



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: 129.29 ng

RT: 5.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: BF086873.D

Acq: 10 May 2016 21:37

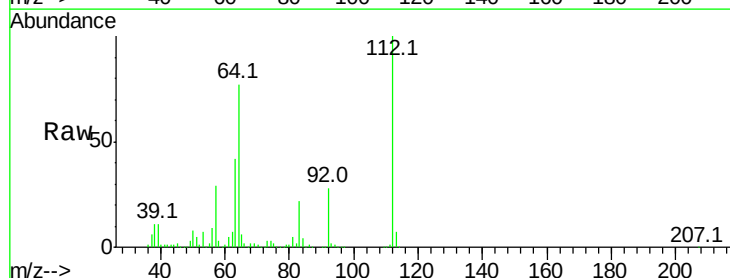
Tgt Ion:112 Resp: 1207000

Ion Ratio Lower Upper

112 100

64 76.8 52.1 78.1

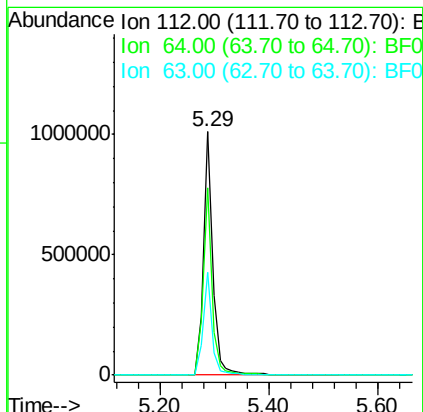
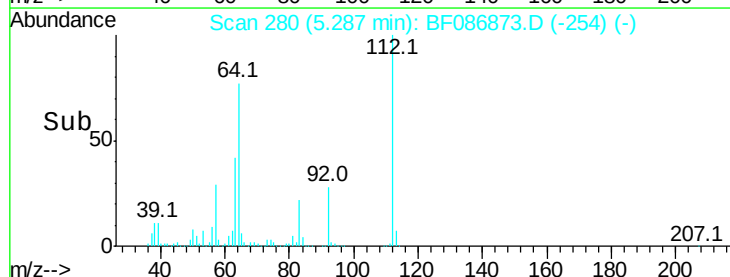
63 42.2 25.7 38.5

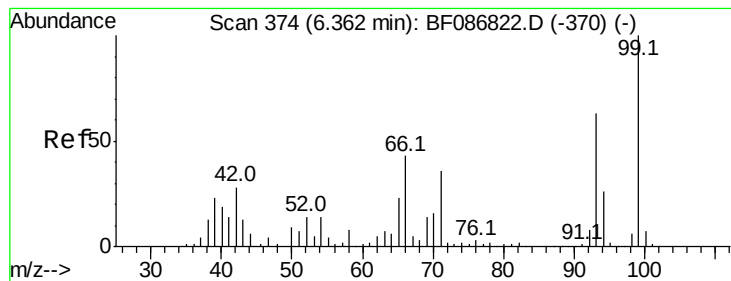


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 126.64 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF086873.D

Acq: 10 May 2016 21:37

Instrument :

BNA\_F

ClientSampleId :

VITALE-FILL-CSPH3-8K

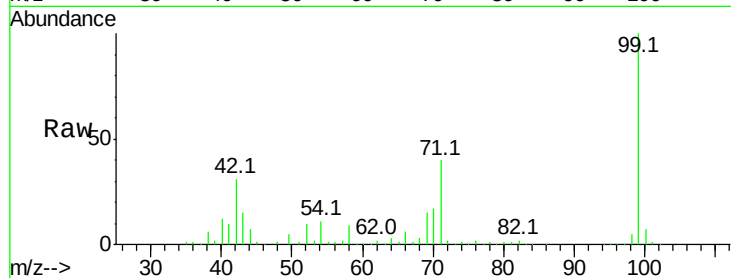
Tot Ion: 99 Resp: 1579992

Ion Ratio Lower Upper

99 100

42 30.6 13.6 20.4#

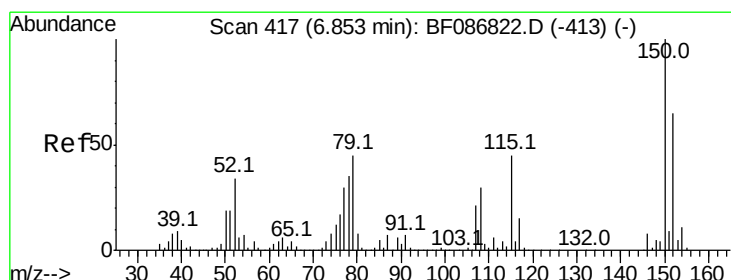
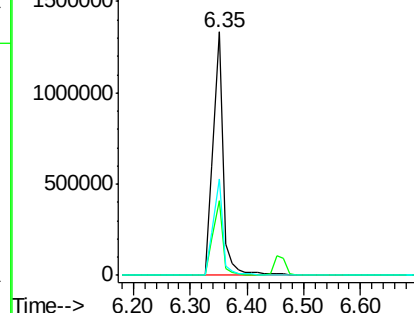
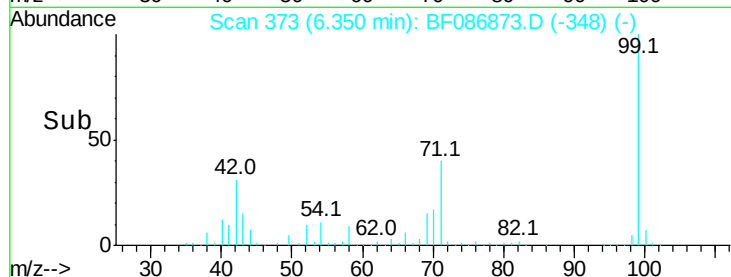
71 39.8 24.6 36.8#



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: 2.31 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF086873.D

Acq: 10 May 2016 21:37

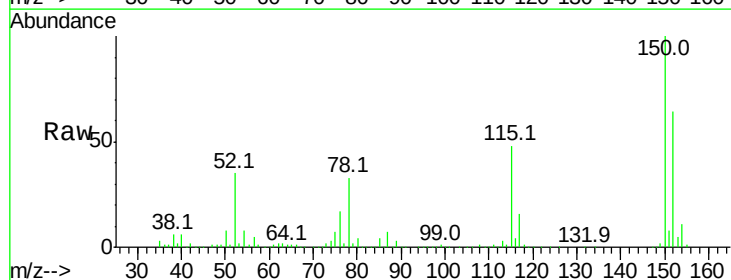
Tgt Ion: 79 Resp: 19897

Ion Ratio Lower Upper

79 100

108 32.1 68.4 102.6#

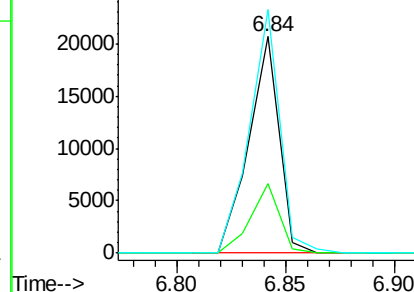
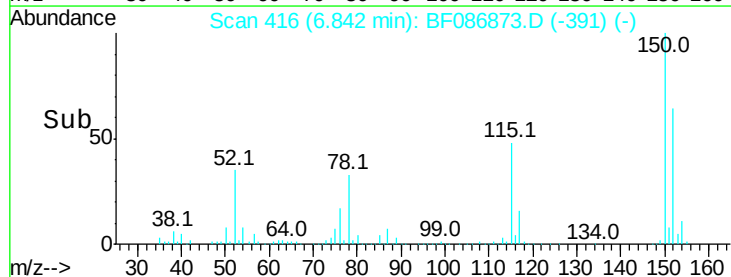
77 112.6 50.6 76.0#

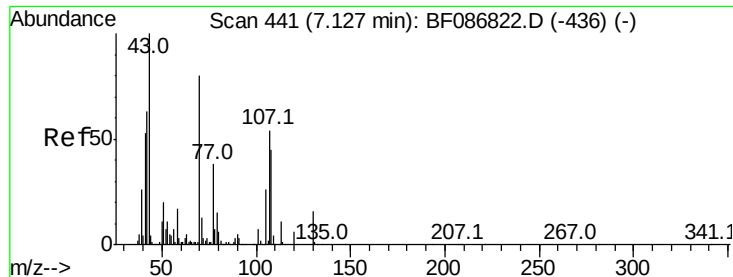


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

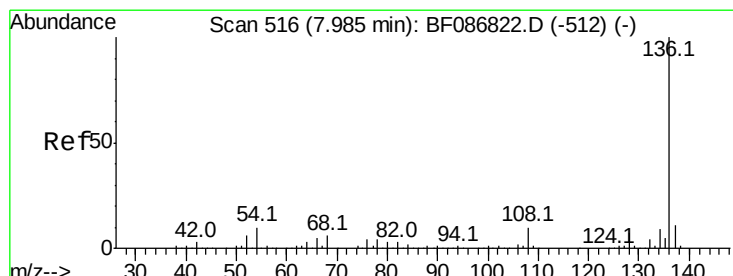
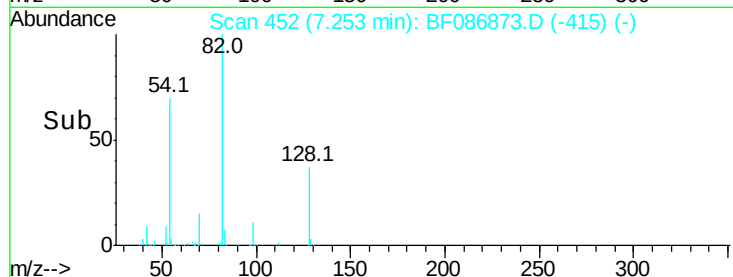
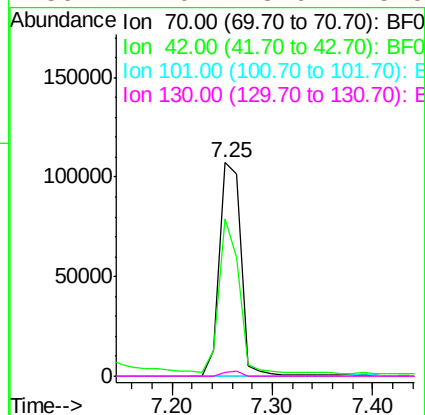
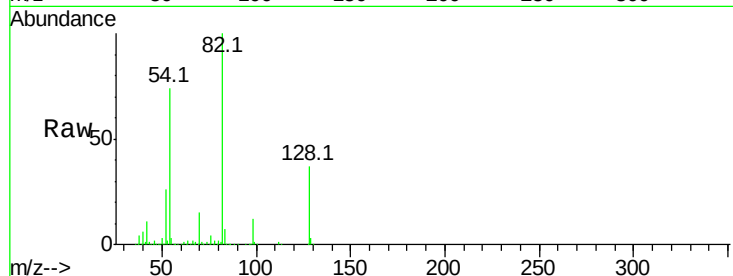




#19  
n-Nitroso-di-n-propylamine  
Concen: 18.44 ng  
RT: 7.25 min Scan# 452  
Delta R.T. 0.13 min  
Lab File: BF086873.D  
Acq: 10 May 2016 21:37

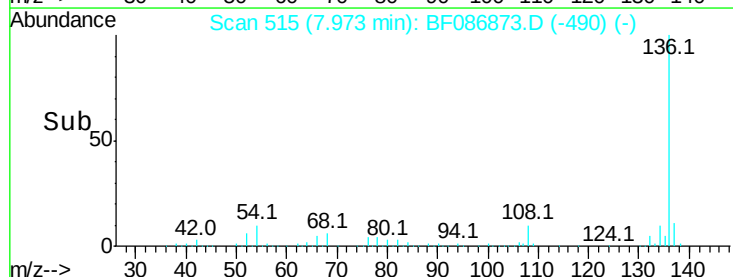
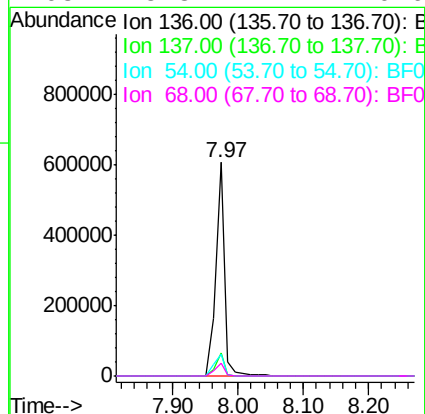
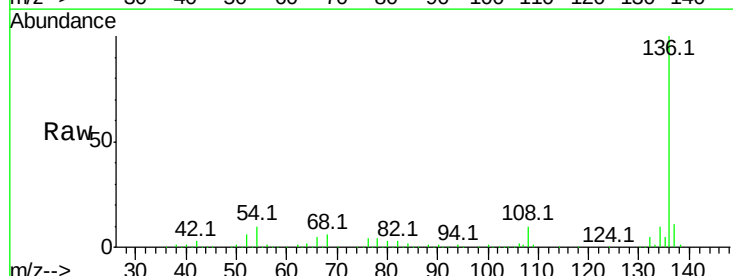
Instrument :  
BNA\_F  
ClientSampleId :  
VITALE-FILL-CSPH3-8K

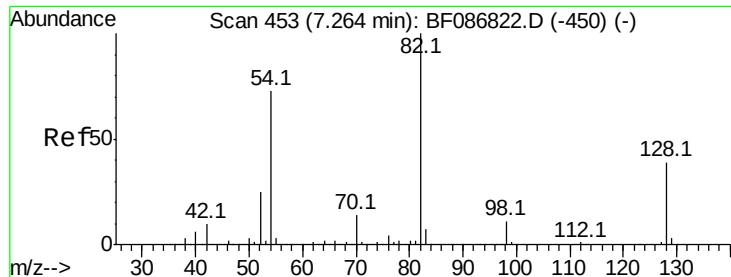
Tot Ion: 70 Resp: 160819  
Ion Ratio Lower Upper  
70 100  
42 73.6 43.1 64.7#  
101 0.0 8.1 12.1#  
130 2.0 18.6 28.0#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.97 min Scan# 515  
Delta R.T. -0.01 min  
Lab File: BF086873.D  
Acq: 10 May 2016 21:37

Tgt Ion: 136 Resp: 578987  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.8 13.2  
54 10.3 5.0 7.4#  
68 5.8 4.4 6.6

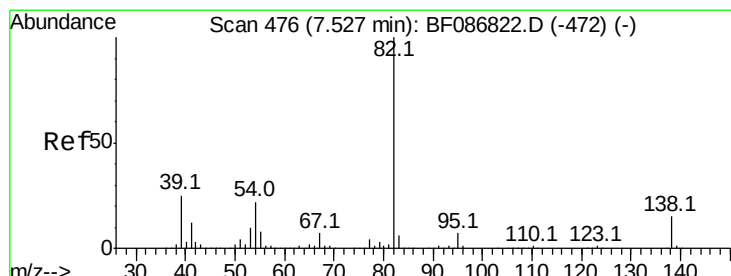
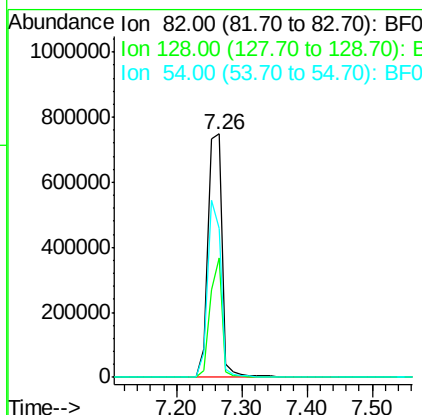
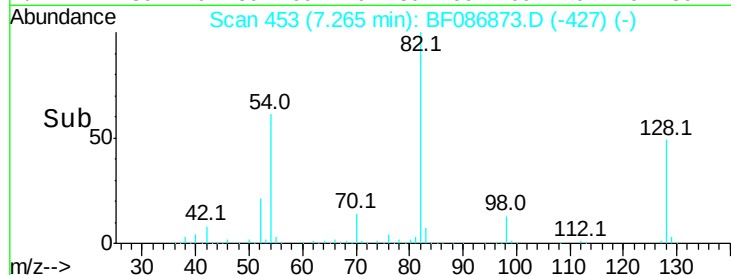
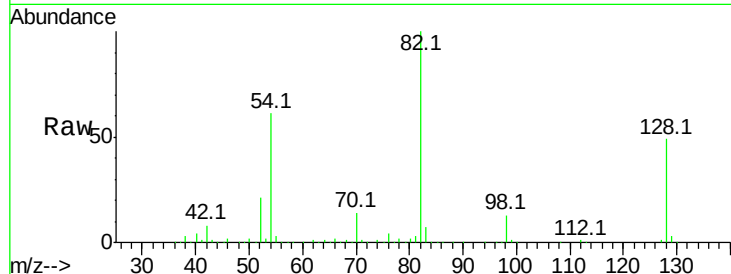




#23  
 Nitrobenzene-d5  
 Concen: 99.13 ng  
 RT: 7.26 min Scan# 453  
 Delta R.T. 0.00 min  
 Lab File: BF086873.D  
 Acq: 10 May 2016 21:37

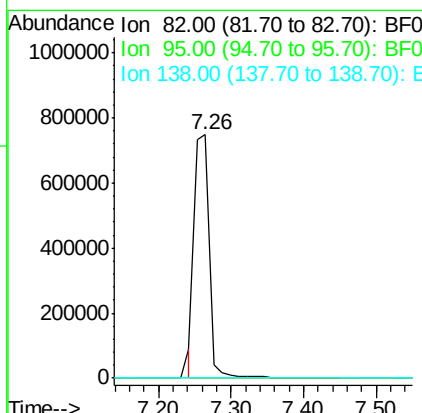
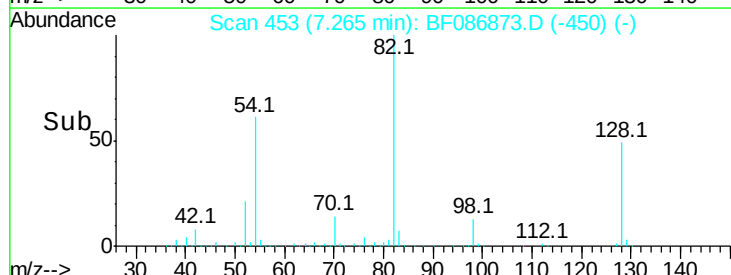
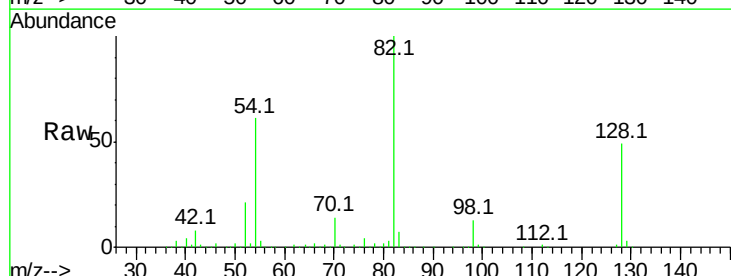
Instrument :  
 BNA\_F  
 ClientSampleId :  
 VITALE-FILL-CSPH3-8K

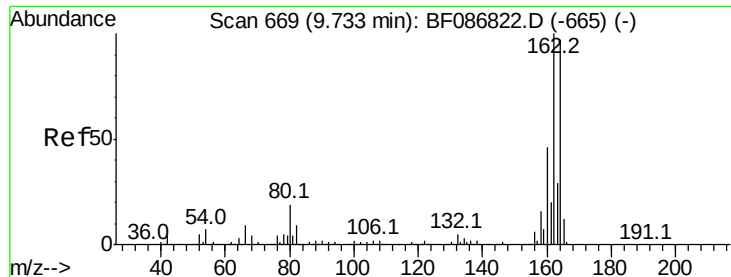
Tot Ion: 82 Resp: 1143035  
 Ion Ratio Lower Upper  
 82 100  
 128 49.0 40.6 61.0  
 54 61.0 38.1 57.1#



#25  
 Isophorone  
 Concen: 49.98 ng  
 RT: 7.26 min Scan# 453  
 Delta R.T. -0.26 min  
 Lab File: BF086873.D  
 Acq: 10 May 2016 21:37

Tgt Ion: 82 Resp: 1069208  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.1 7.7#  
 138 0.0 12.4 18.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF086873.D

Acq: 10 May 2016 21:37

Instrument :

BNA\_F

ClientSampleId :

VITALE-FILL-CSPH3-8K

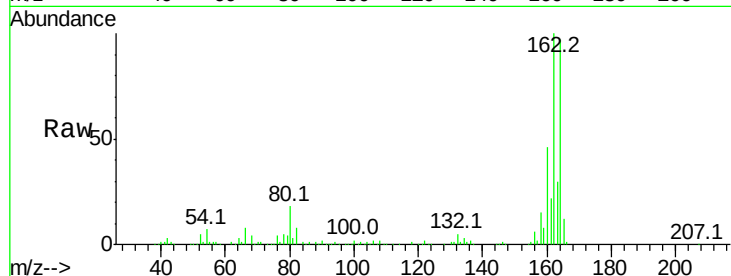
Tot Ion:164 Resp: 237688

Ion Ratio Lower Upper

164 100

162 103.1 82.8 124.2

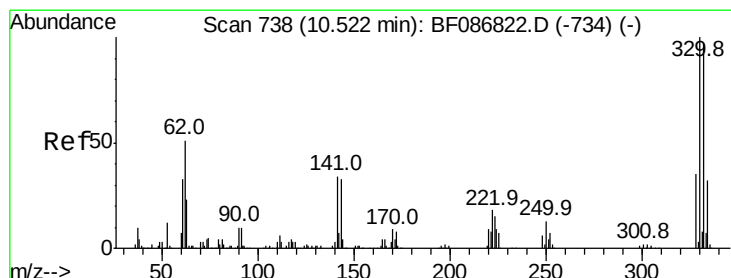
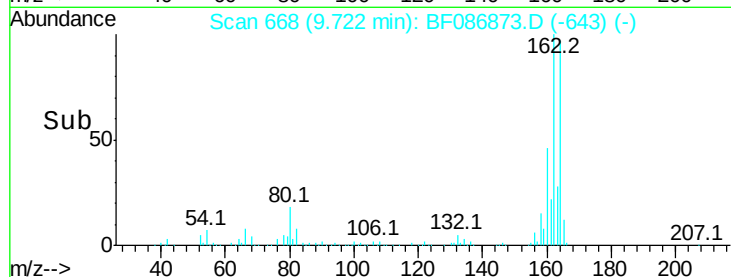
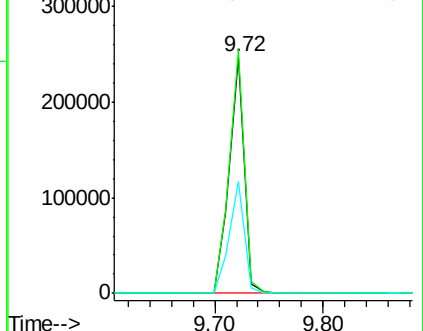
160 47.5 36.9 55.3



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: 120.34 ng

RT: 10.51 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF086873.D

Acq: 10 May 2016 21:37

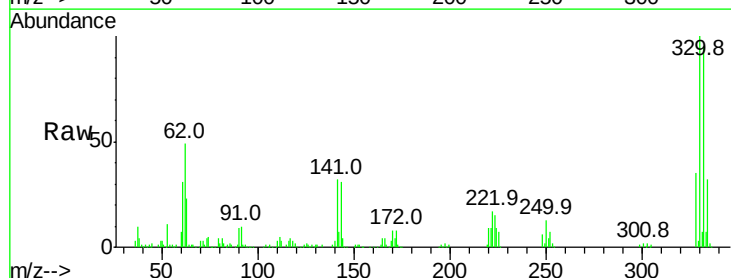
Tgt Ion:330 Resp: 302816

Ion Ratio Lower Upper

330 100

332 95.8 79.0 118.4

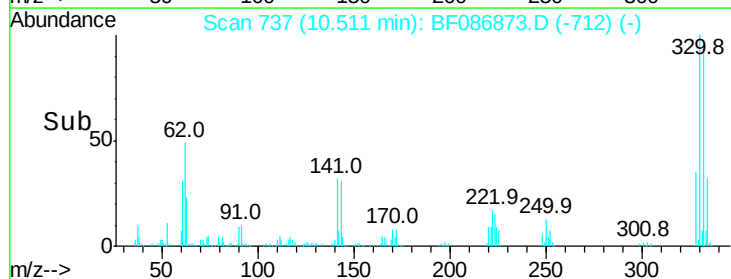
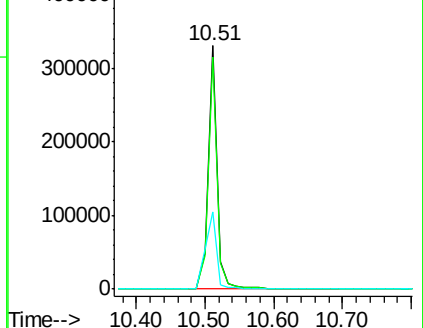
141 39.1 31.2 46.8

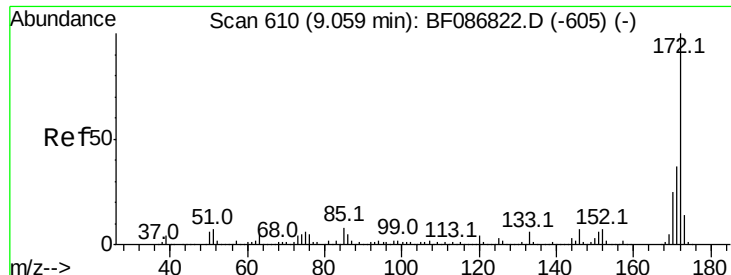


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

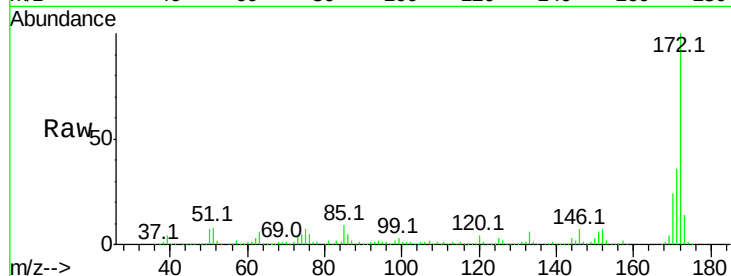




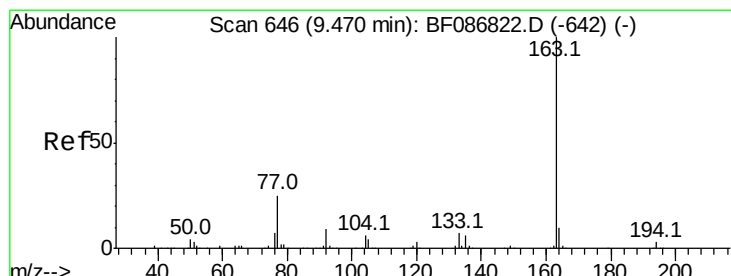
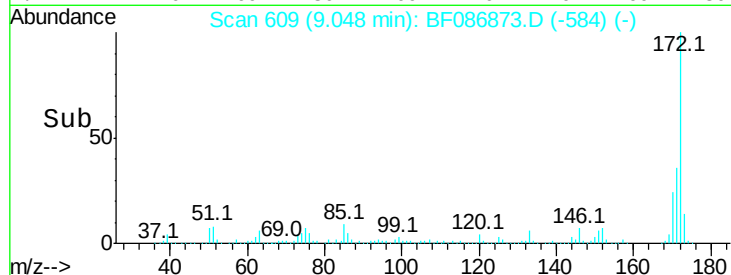
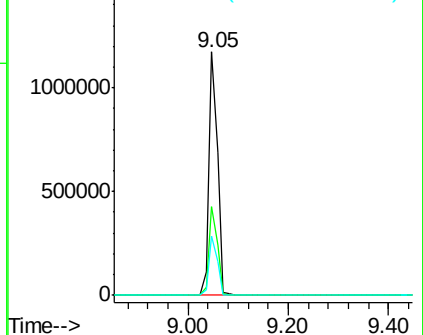
#44  
 2-Fluorobiphenyl  
 Concen: 98.28 ng  
 RT: 9.05 min Scan# 609  
 Delta R.T. -0.01 min  
 Lab File: BF086873.D  
 Acq: 10 May 2016 21:37

Instrument :  
 BNA\_F  
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 VITALE-FILL-CSPH3-8K

Tot Ion:172 Resp: 1389994  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.0 43.6  
 170 24.5 19.8 29.8

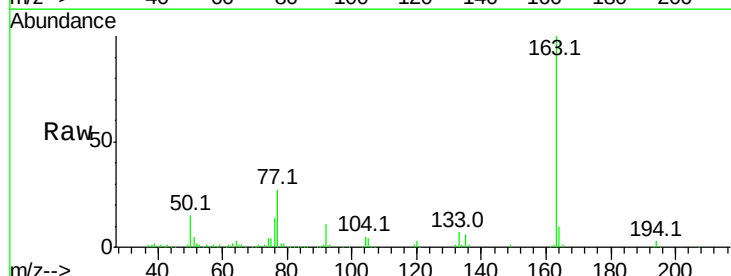


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

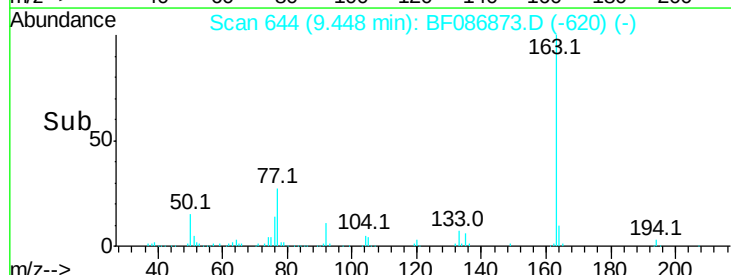
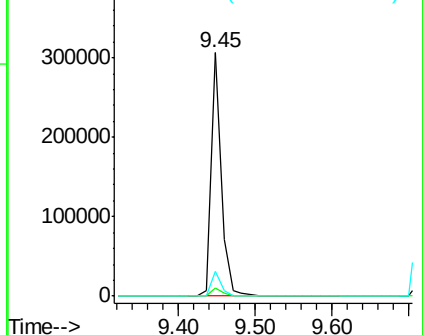


#49  
 Dimethylphthalate  
 Concen: 15.18 ng  
 RT: 9.45 min Scan# 644  
 Delta R.T. -0.02 min  
 Lab File: BF086873.D  
 Acq: 10 May 2016 21:37

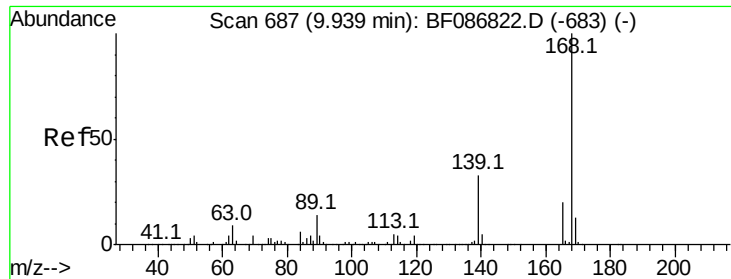
Tgt Ion:163 Resp: 275319  
 Ion Ratio Lower Upper  
 163 100  
 194 3.2 2.6 4.0  
 164 10.2 8.2 12.4



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: 6.39 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.22 min

Lab File: BF086873.D

Acq: 10 May 2016 21:37

Instrument :

BNA\_F

ClientSampleId :

VITALE-FILL-CSPH3-8K

Tot Ion:165 Resp: 30167

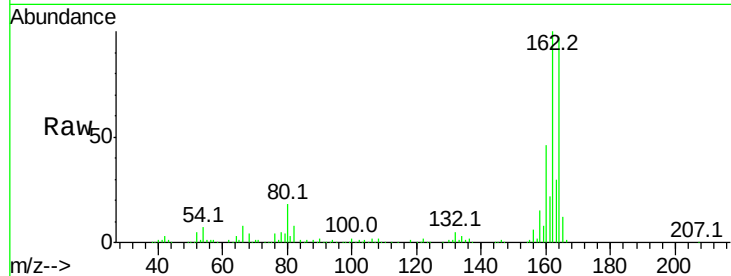
Ion Ratio Lower Upper

165 100

63 2.2 44.3 66.5#

89 2.0 70.0 105.0#

182 0.0 1.8 2.6#

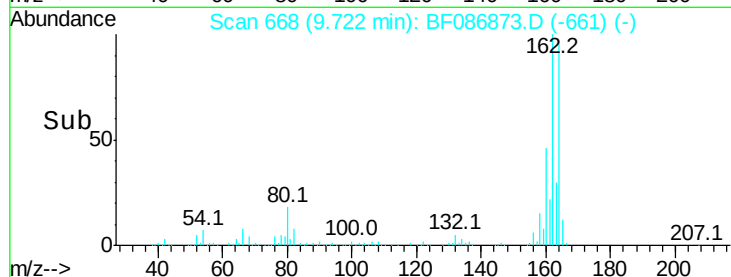


Abundance Ion 165.00 (164.70 to 165.70): E

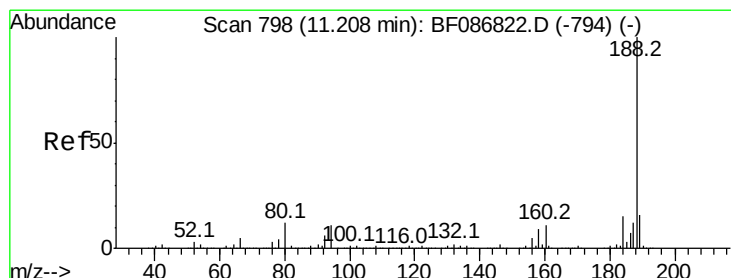
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF086873.D

Acq: 10 May 2016 21:37

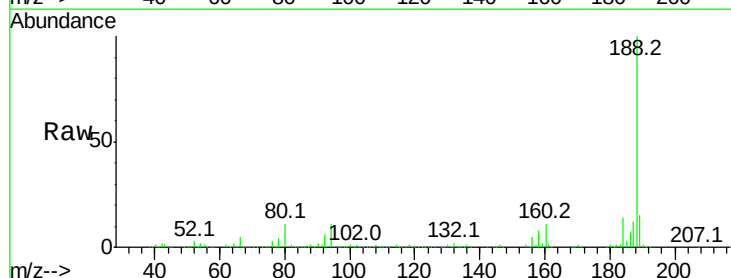
Tgt Ion:188 Resp: 382265

Ion Ratio Lower Upper

188 100

94 10.8 6.8 10.2#

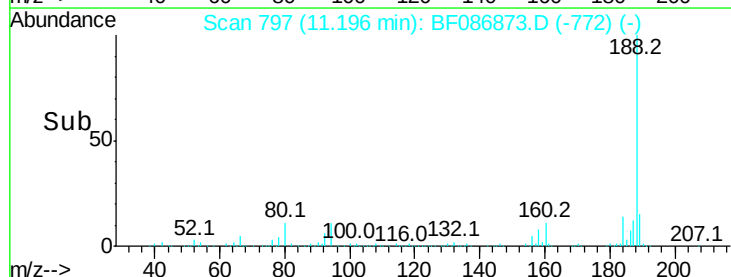
80 11.3 7.1 10.7#



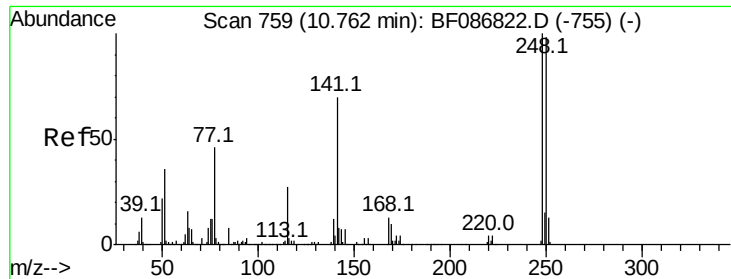
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#66

4-Bromophenyl-phenylether

Concen: 4.94 ng

RT: 10.51 min Scan# 737

Delta R.T. -0.25 min

Lab File: BF086873.D

Acq: 10 May 2016 21:37

Instrument :

BNA\_F

ClientSampleId :

VITALE-FILL-CSPH3-8K

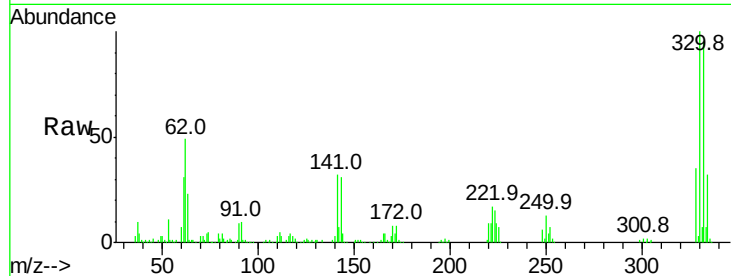
Tot Ion:248 Resp: 19156

Ion Ratio Lower Upper

248 100

250 204.2 78.6 117.8#

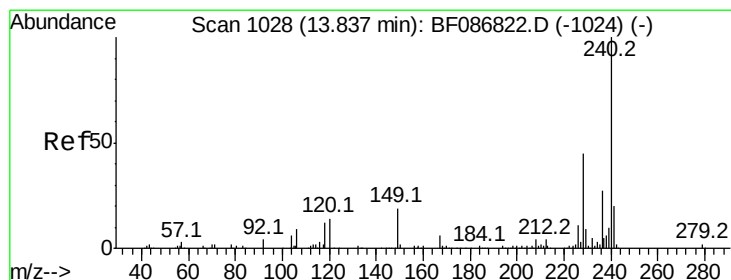
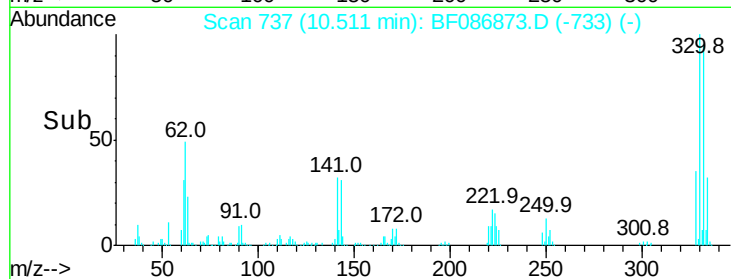
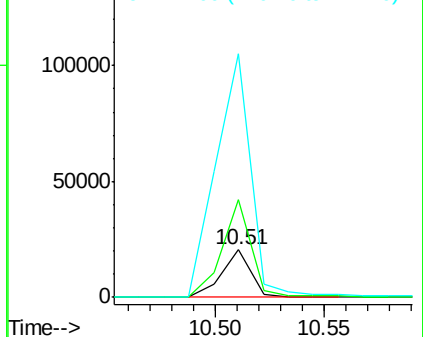
141 510.8 76.0 114.0#



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: 13.83 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF086873.D

Acq: 10 May 2016 21:37

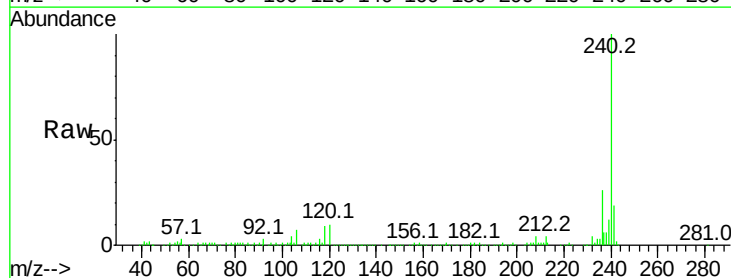
Tgt Ion:240 Resp: 299080

Ion Ratio Lower Upper

240 100

120 9.9 11.2 16.8#

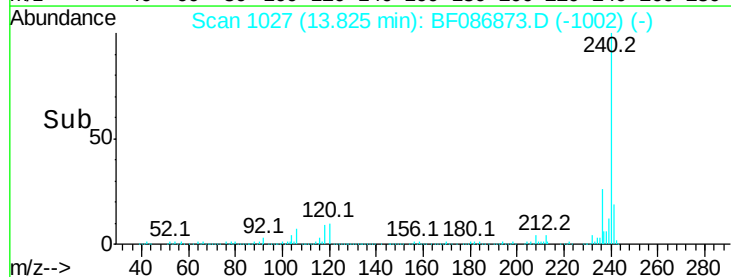
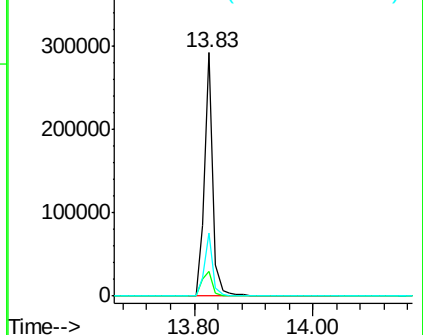
236 25.7 21.2 31.8

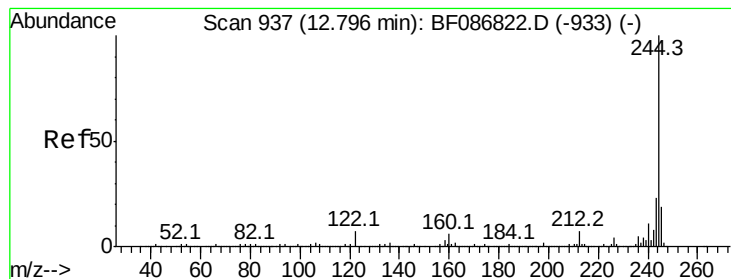


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 81.10 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF086873.D

Acq: 10 May 2016 21:37

Instrument :

BNA\_F

ClientSampleId :

VITALE-FILL-CSPH3-8K

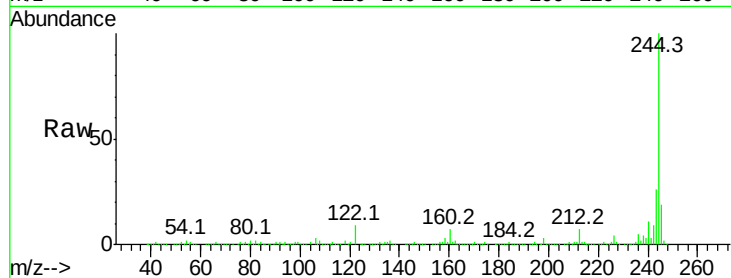
Tot Ion:244 Resp: 1143266

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

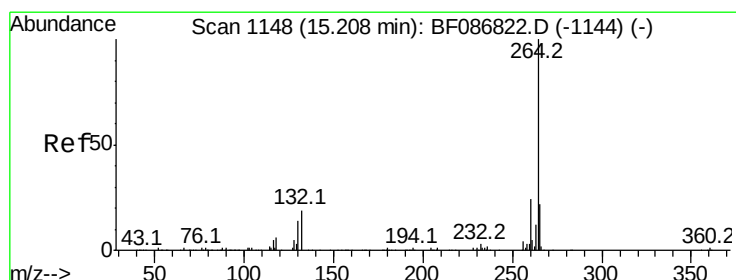
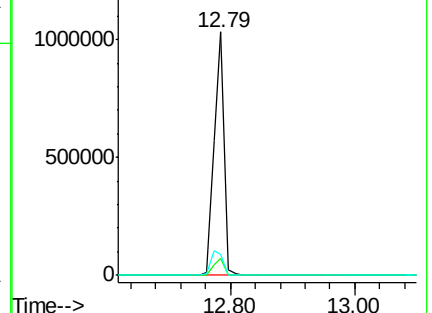
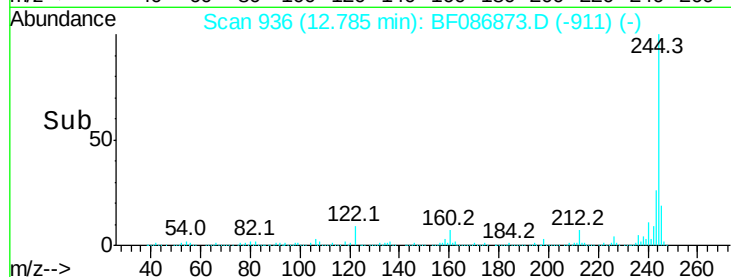
122 8.5 12.0 18.0#



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: 15.20 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF086873.D

Acq: 10 May 2016 21:37

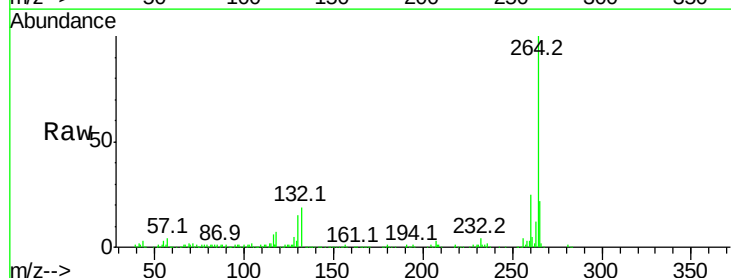
Tgt Ion:264 Resp: 250712

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

265 21.7 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

