

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051716\
 Data File : BF087126.D
 Acq On : 18 May 2016 2:48
 Operator : UM/SJ
 Sample : H3085-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-11K

Quant Time: May 18 03:37:47 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

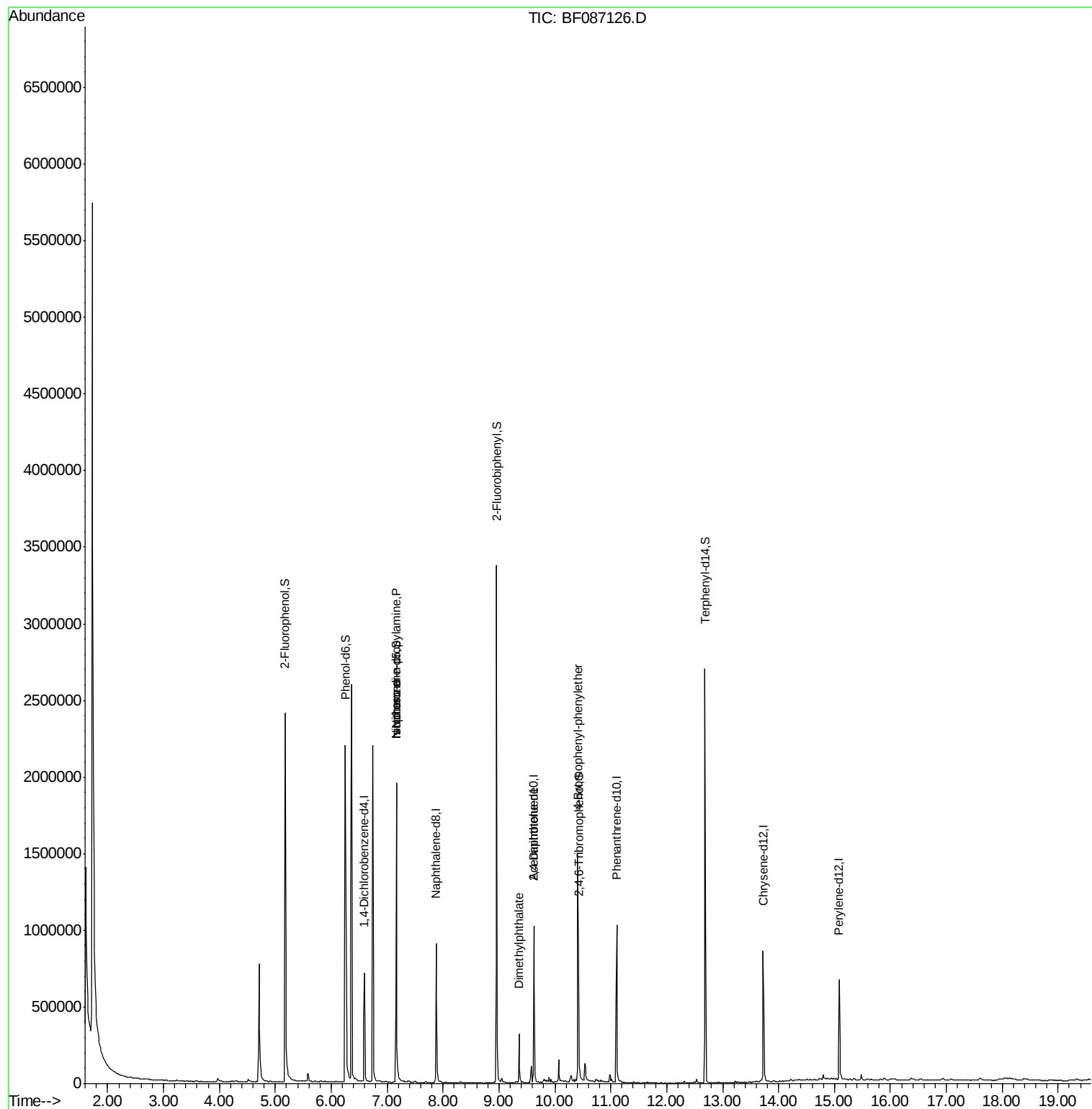
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	127299	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	514461	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	242666	20.00	ng	-0.02
63) Phenanthrene-d10	11.11	188	477307	20.00	ng	-0.01
75) Chrysene-d12	13.73	240	367325	20.00	ng	-0.03
86) Perylene-d12	15.09	264	280901	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	656975	86.75	ng	-0.02
7) Phenol-d6	6.25	99	855915	84.26	ng	-0.03
23) Nitrobenzene-d5	7.16	82	617158	59.79	ng	-0.02
41) 2,4,6-Tribromophenol	10.42	330	215502	80.36	ng	-0.02
44) 2-Fluorobiphenyl	8.96	172	976748	66.66	ng	-0.02
78) Terphenyl-d14	12.69	244	869172	53.53	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.25	77	1301	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	7.16	70	87528	11.34	ng	# 75
25) Isophorone	7.16	82	519663	27.50	ng	# 68
49) Dimethylphthalate	9.36	163	119181	6.44	ng	# 99
56) 2,4-Dinitrotoluene	9.62	165	30530	5.93	ng	# 17
66) 4-Bromophenyl-phenylether	10.41	248	12699	2.59	ng	# 1

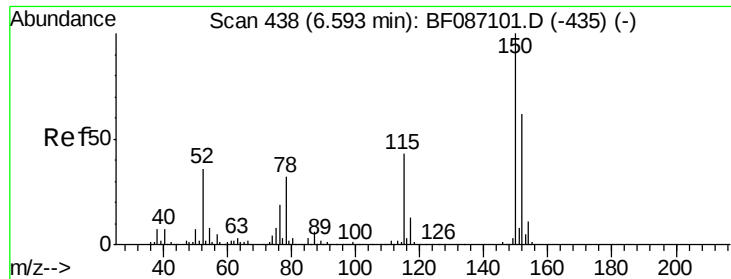
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF087126.D

Acq: 18 May 2016 2:48

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-11K

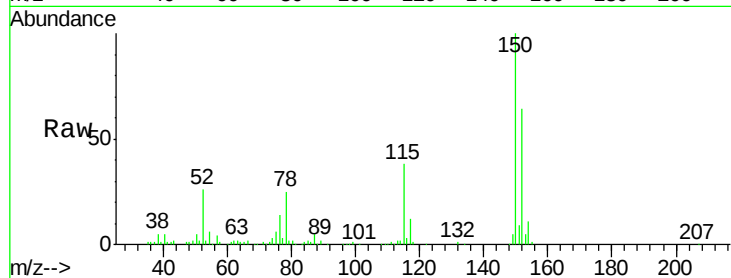
Tgt Ion:152 Resp: 127299

Ion Ratio Lower Upper

152 100

150 156.6 125.8 188.6

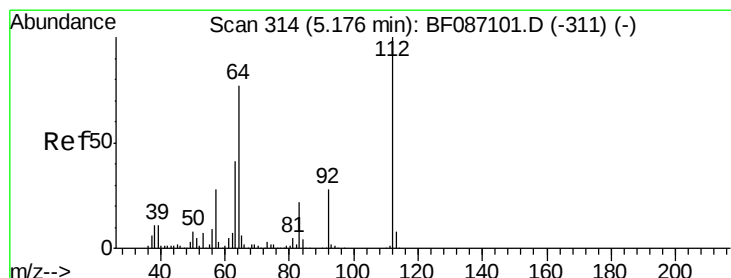
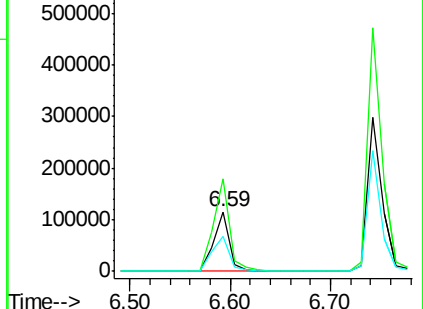
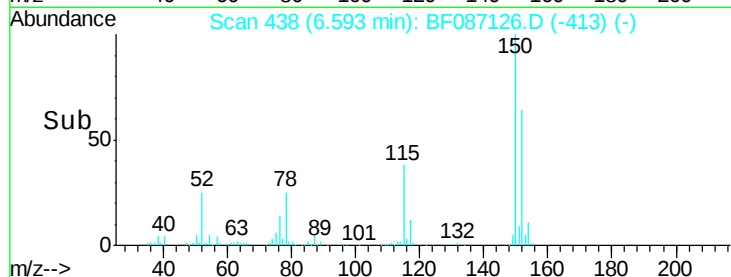
115 59.4 51.5 77.3



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: 86.75 ng

RT: 5.18 min Scan# 314

Delta R.T. -0.02 min

Lab File: BF087126.D

Acq: 18 May 2016 2:48

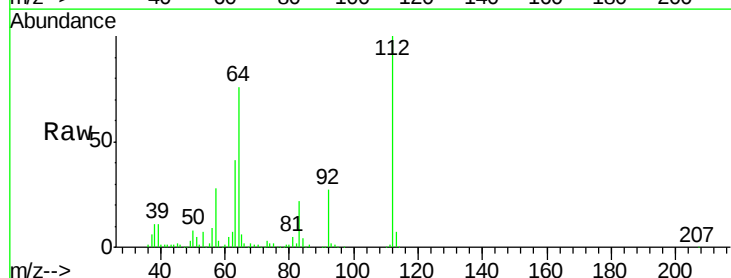
Tgt Ion:112 Resp: 656975

Ion Ratio Lower Upper

112 100

64 75.8 52.1 78.1

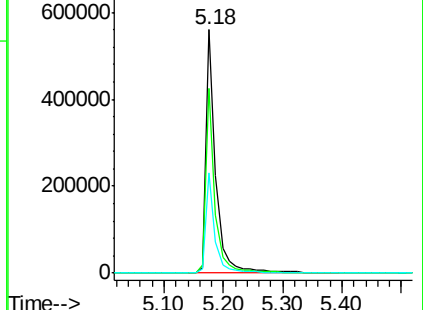
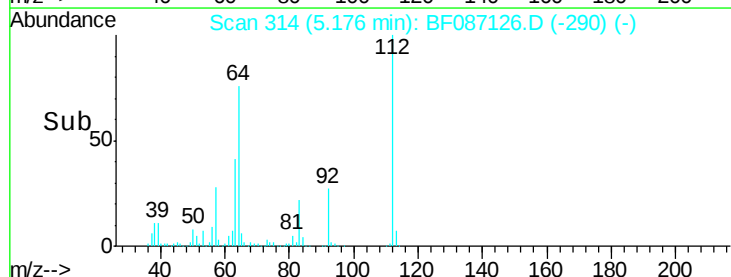
63 41.2 25.7 38.5#

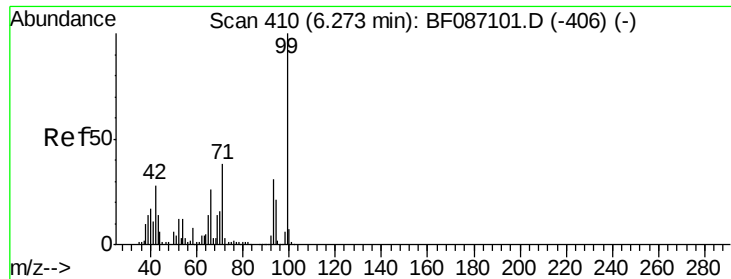


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 84.26 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.03 min

Lab File: BF087126.D

Acq: 18 May 2016 2:48

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-11K

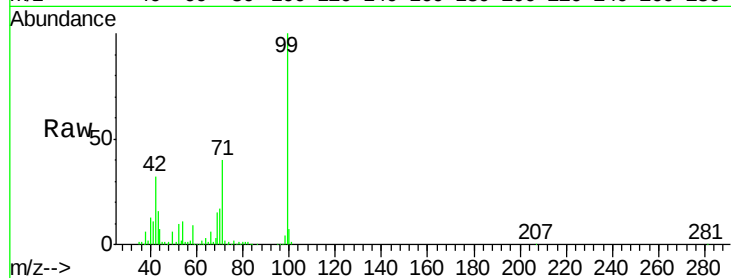
Tgt Ion: 99 Resp: 855915

Ion Ratio Lower Upper

99 100

42 32.2 13.6 20.4#

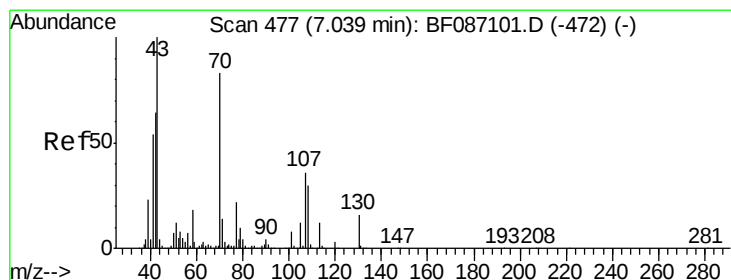
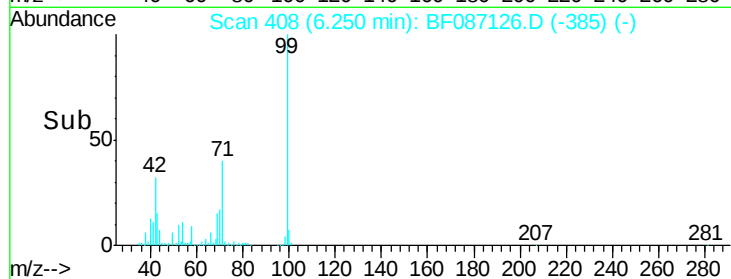
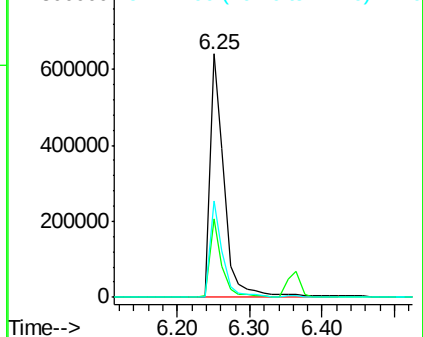
71 39.5 24.6 36.8#



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.34 ng

RT: 7.16 min Scan# 488

Delta R.T. 0.11 min

Lab File: BF087126.D

Acq: 18 May 2016 2:48

Tgt Ion: 70 Resp: 87528

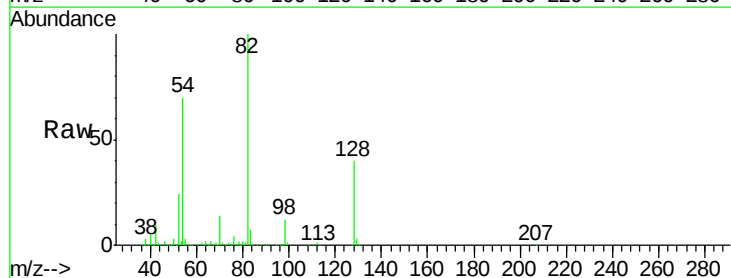
Ion Ratio Lower Upper

70 100

42 65.6 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#

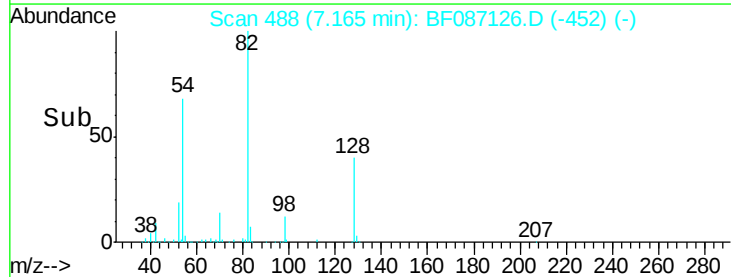
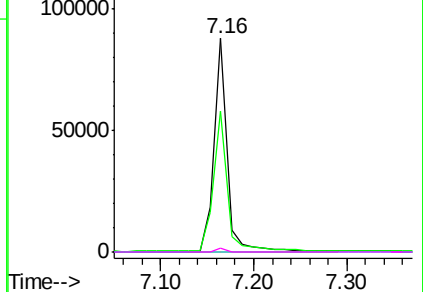


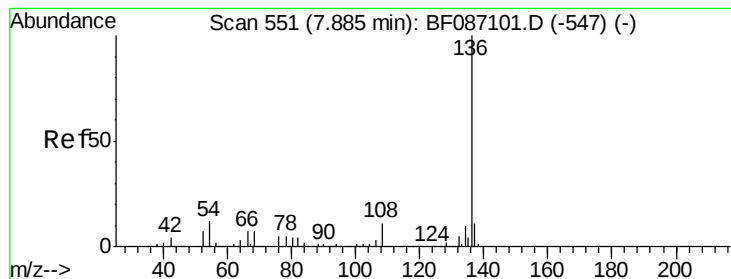
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.87 min Scan# 550

Delta R.T. -0.02 min

Lab File: BF087126.D

Acq: 18 May 2016 2:48

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-11K

Tgt Ion: 136 Resp: 514461

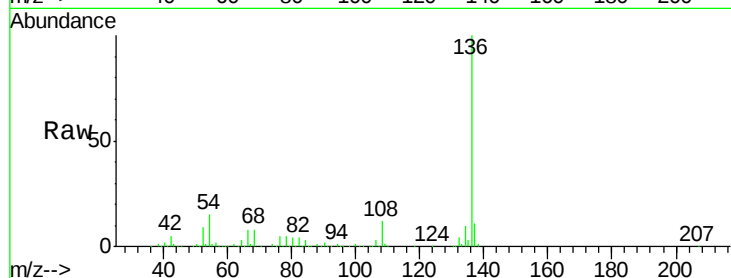
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 15.3 5.0 7.4#

68 7.9 4.4 6.6#

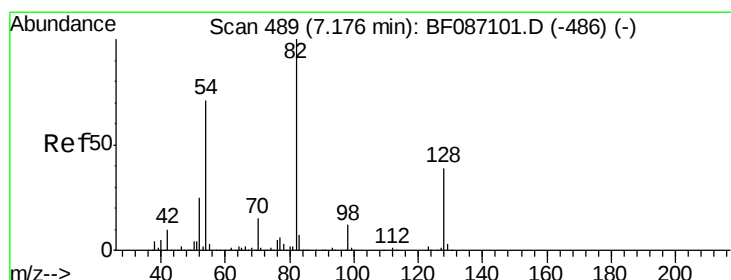
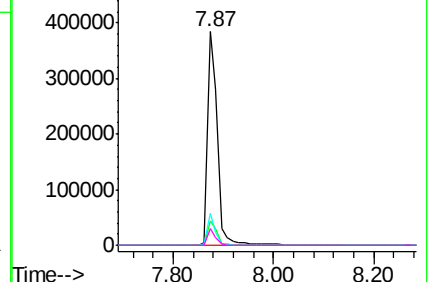
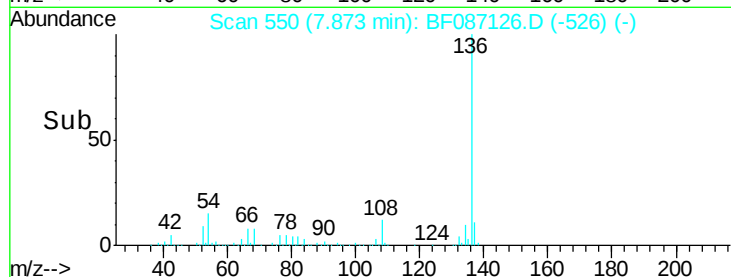


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.79 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.02 min

Lab File: BF087126.D

Acq: 18 May 2016 2:48

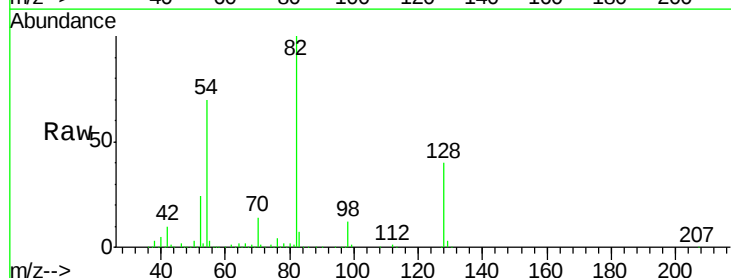
Tgt Ion: 82 Resp: 617158

Ion Ratio Lower Upper

82 100

128 39.9 40.6 61.0#

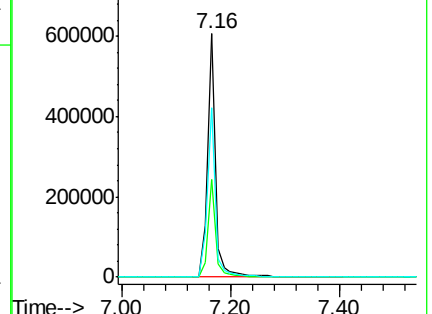
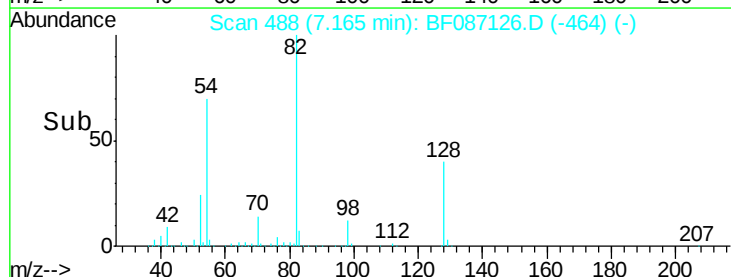
54 69.6 38.1 57.1#

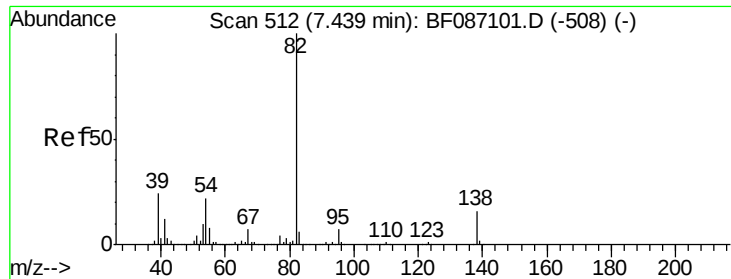


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 27.50 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.29 min

Lab File: BF087126.D

Acq: 18 May 2016 2:48

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VITALE-FILL-CSPH3-11K

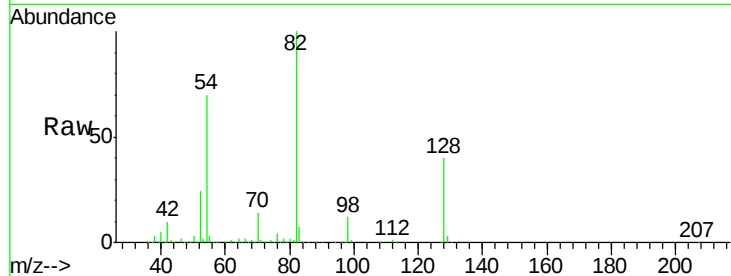
Tgt Ion: 82 Resp: 519663

Ion Ratio Lower Upper

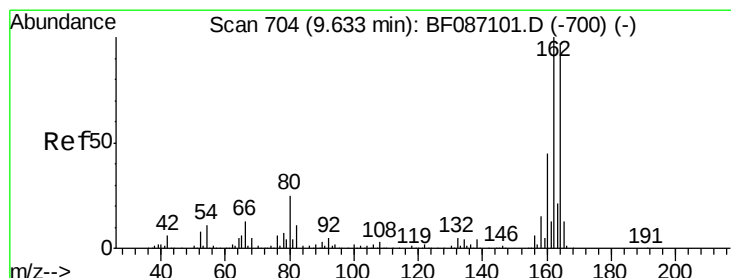
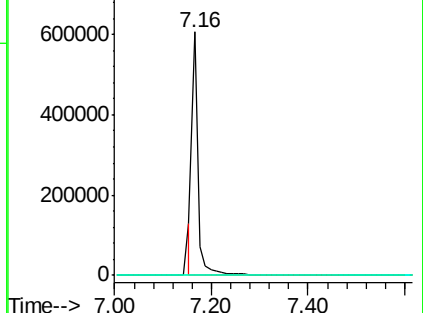
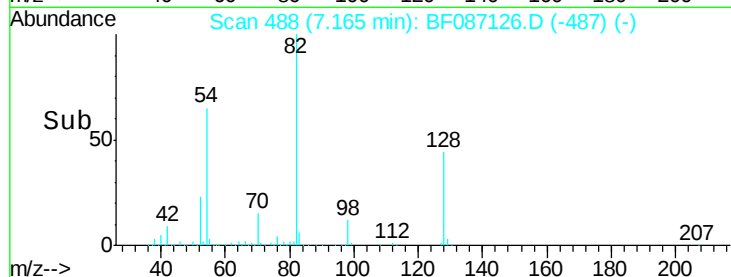
82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



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: 9.62 min Scan# 703

Delta R.T. -0.02 min

Lab File: BF087126.D

Acq: 18 May 2016 2:48

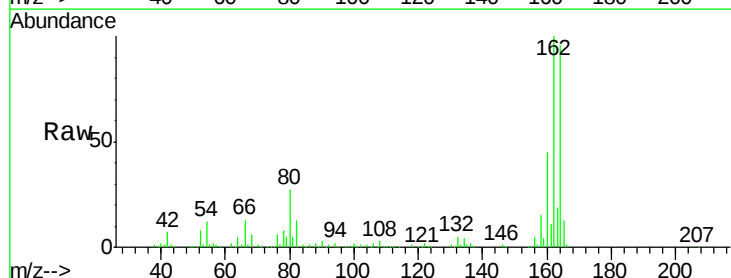
Tgt Ion: 164 Resp: 242666

Ion Ratio Lower Upper

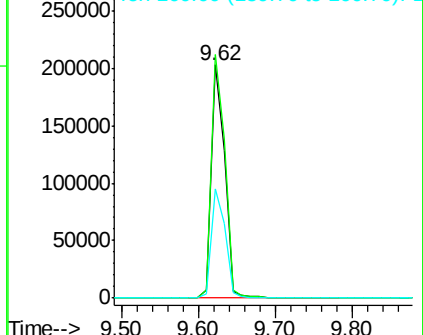
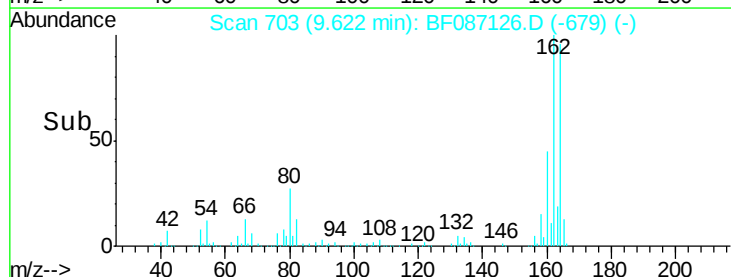
164 100

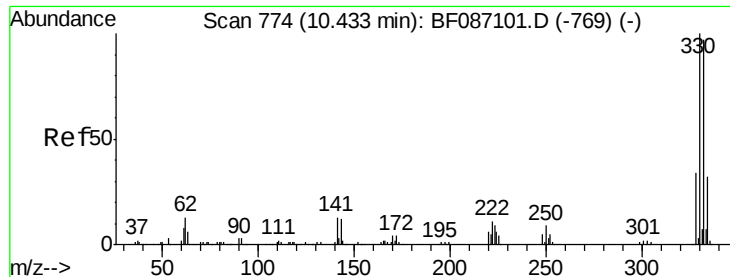
162 104.3 82.8 124.2

160 46.7 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

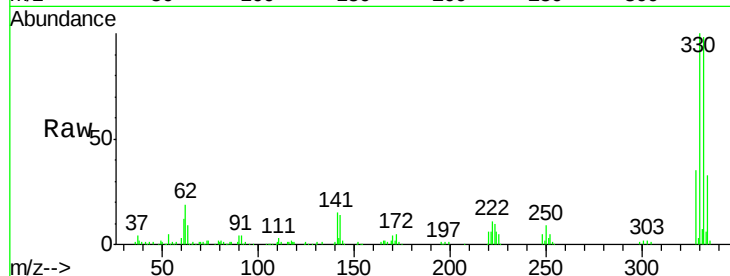




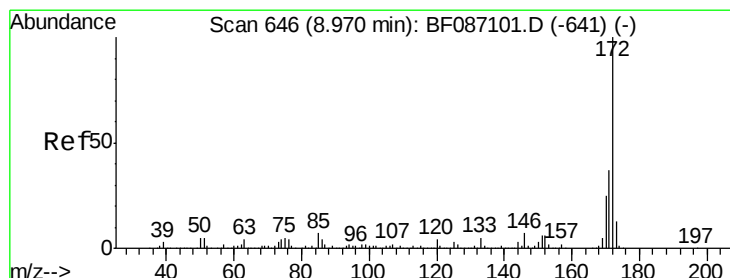
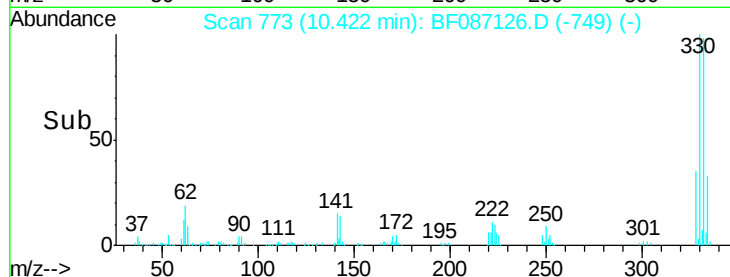
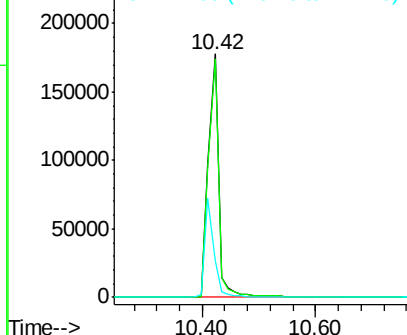
#41
 2,4,6-Tribromophenol
 Concen: 80.36 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.02 min
 Lab File: BF087126.D
 Acq: 18 May 2016 2:48

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-11K

Tgt Ion:330 Resp: 215502
 Ion Ratio Lower Upper
 330 100
 332 97.9 79.0 118.4
 141 35.3 31.2 46.8

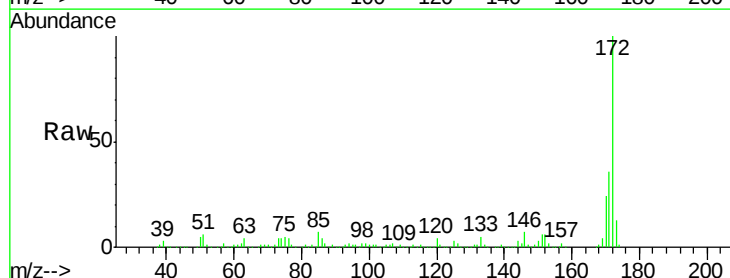


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

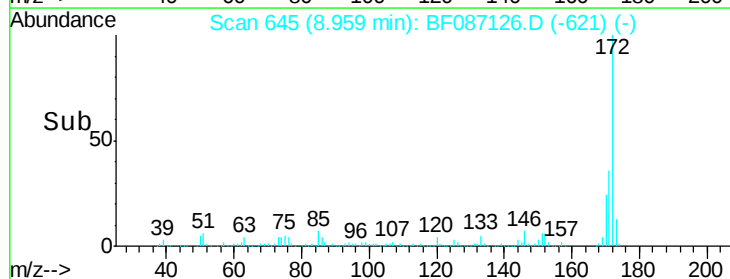
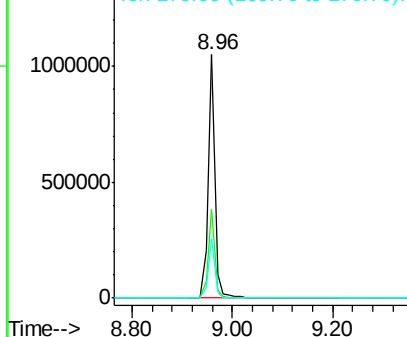


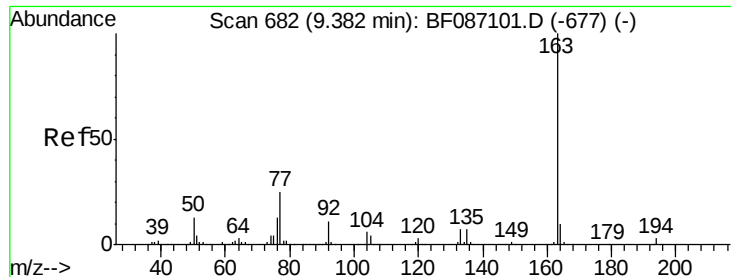
#44
 2-Fluorobiphenyl
 Concen: 66.66 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.02 min
 Lab File: BF087126.D
 Acq: 18 May 2016 2:48

Tgt Ion:172 Resp: 976748
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.0 43.6
 170 24.3 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: 6.44 ng

RT: 9.36 min Scan# 680

Delta R.T. -0.03 min

Lab File: BF087126.D

Acq: 18 May 2016 2:48

Instrument :

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ClientSampleId :

VITALE-FILL-CSPH3-11K

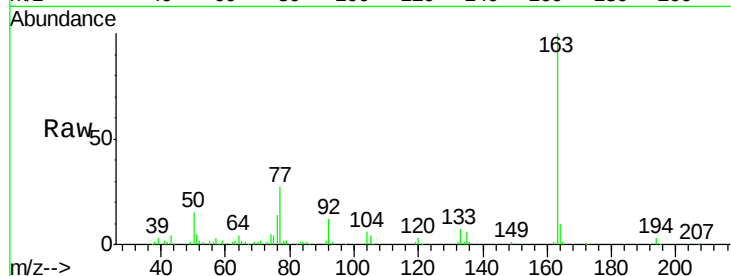
Tgt Ion:163 Resp: 119181

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

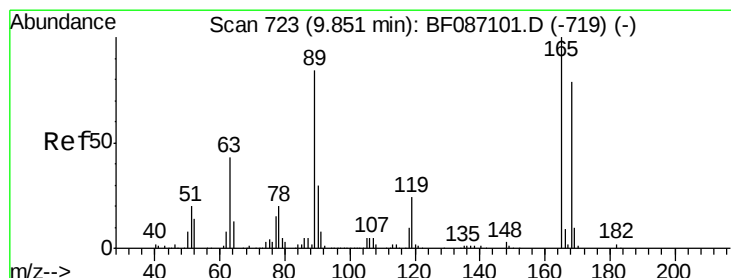
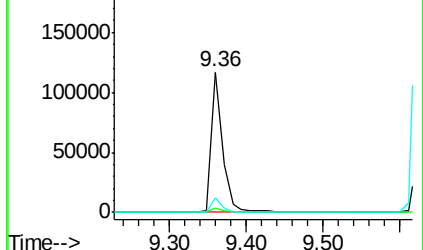
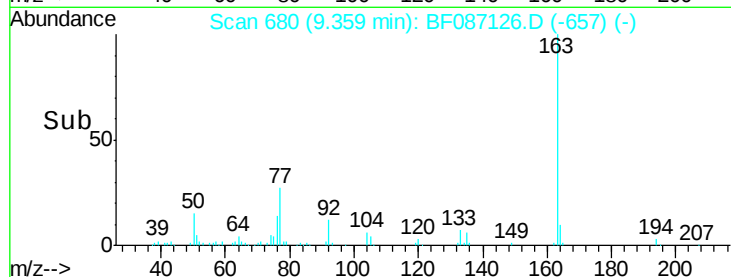
164 10.1 8.2 12.4



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: 5.93 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.24 min

Lab File: BF087126.D

Acq: 18 May 2016 2:48

Tgt Ion:165 Resp: 30530

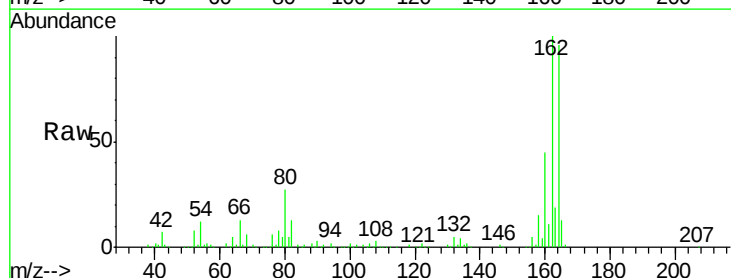
Ion Ratio Lower Upper

165 100

63 2.4 44.3 66.5#

89 2.3 70.0 105.0#

182 0.0 1.8 2.6#

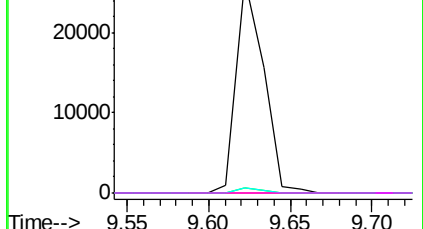
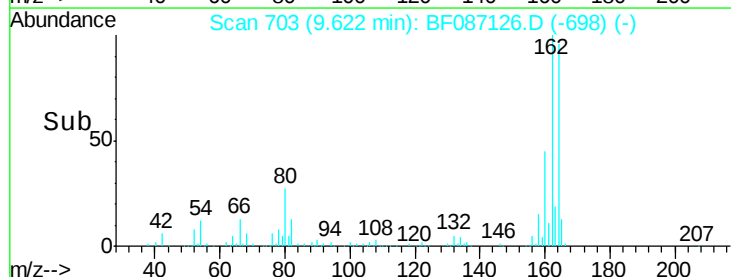


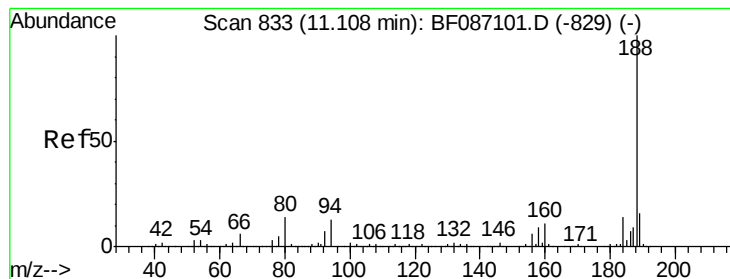
Abundance Ion 165.00 (164.70 to 165.70): E

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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.11 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF087126.D

Acq: 18 May 2016 2:48

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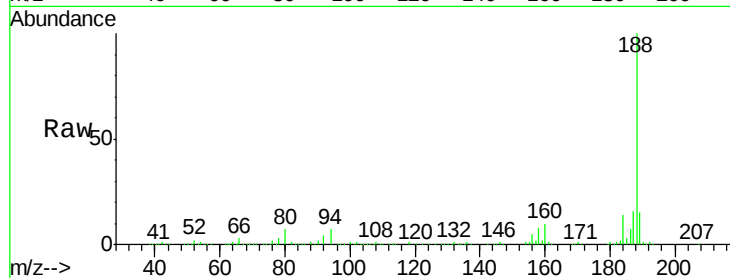
Tgt Ion:188 Resp: 477307

Ion Ratio Lower Upper

188 100

94 7.4 6.8 10.2

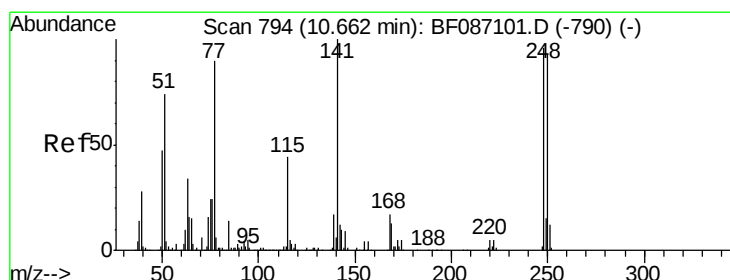
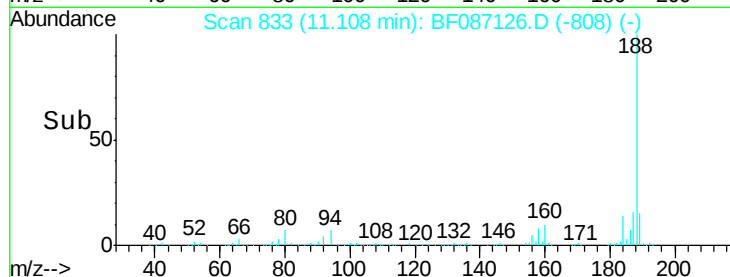
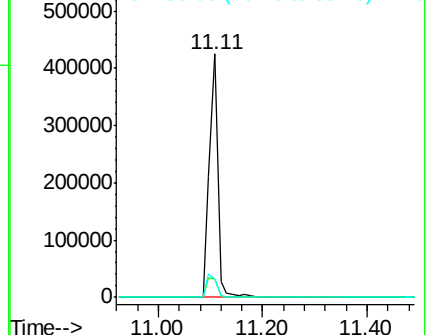
80 7.4 7.1 10.7



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



#66

4-Bromophenyl-phenylether

Concen: 2.59 ng

RT: 10.41 min Scan# 772

Delta R.T. -0.26 min

Lab File: BF087126.D

Acq: 18 May 2016 2:48

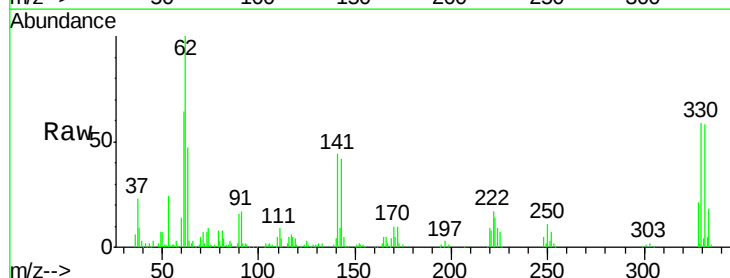
Tgt Ion:248 Resp: 12699

Ion Ratio Lower Upper

248 100

250 203.5 78.6 117.8#

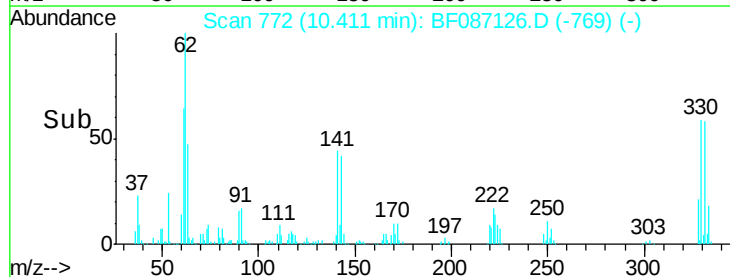
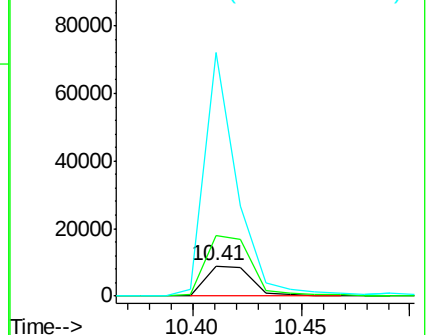
141 813.6 76.0 114.0#

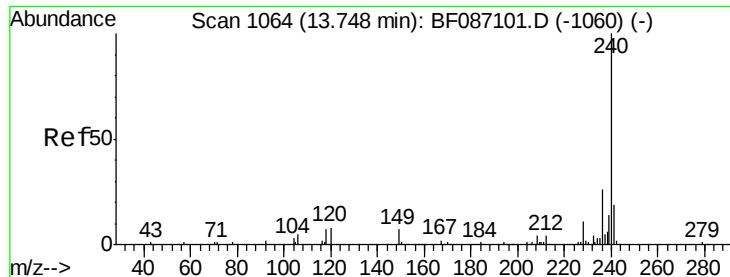


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.73 min Scan# 1062

Delta R.T. -0.03 min

Lab File: BF087126.D

Acq: 18 May 2016 2:48

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-11K

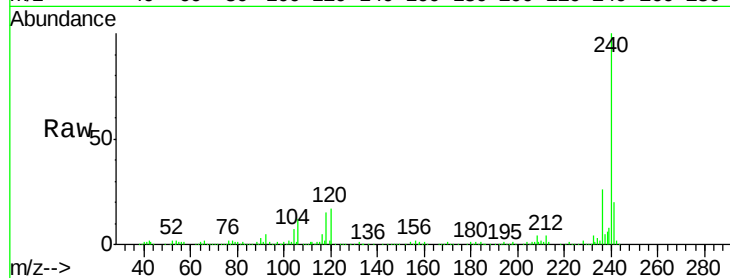
Tgt Ion:240 Resp: 367325

Ion Ratio Lower Upper

240 100

120 17.5 11.2 16.8#

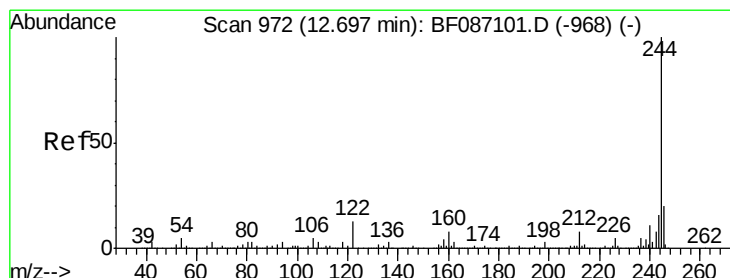
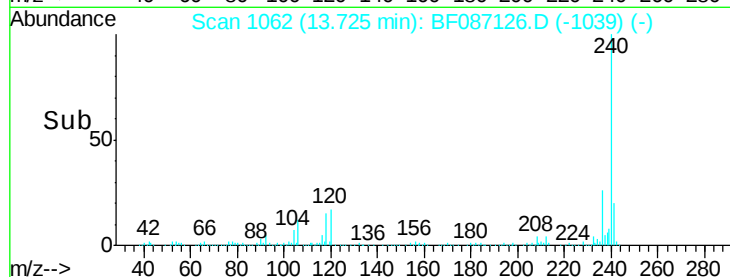
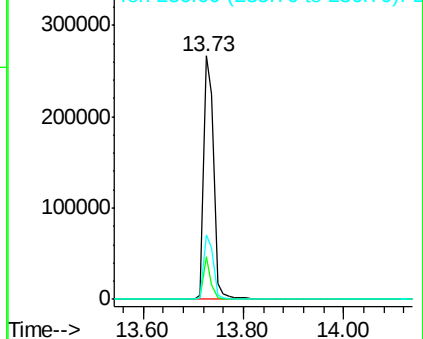
236 26.3 21.2 31.8



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: 53.53 ng

RT: 12.69 min Scan# 971

Delta R.T. -0.02 min

Lab File: BF087126.D

Acq: 18 May 2016 2:48

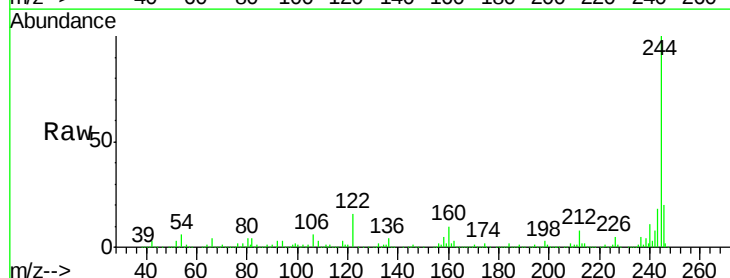
Tgt Ion:244 Resp: 869172

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

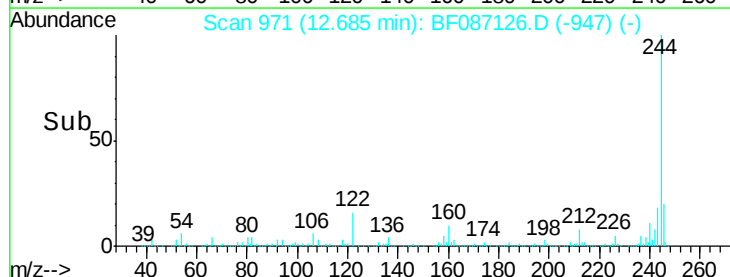
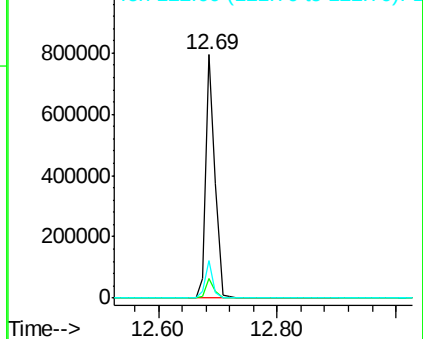
122 15.6 12.0 18.0

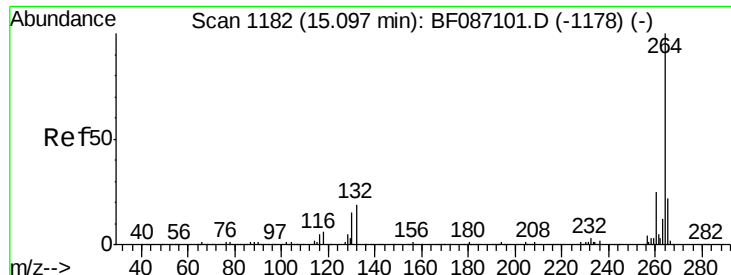


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.09 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BF087126.D
Acq: 18 May 2016 2:48

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-11K

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	21.2	17.3	25.9

