

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051716\
 Data File : BF087127.D
 Acq On : 18 May 2016 3:17
 Operator : UM/SJ
 Sample : H3085-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-12K

Quant Time: May 18 04:01:29 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	129700	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	537526	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	245992	20.00	ng	-0.02
63) Phenanthrene-d10	11.11	188	467020	20.00	ng	-0.01
75) Chrysene-d12	13.73	240	343860	20.00	ng	-0.03
86) Perylene-d12	15.09	264	263510	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	991540	128.50	ng	-0.01
7) Phenol-d6	6.26	99	1362490	131.65	ng	-0.02
23) Nitrobenzene-d5	7.16	82	828948	76.86	ng	-0.02
41) 2,4,6-Tribromophenol	10.42	330	323519	119.01	ng	-0.02
44) 2-Fluorobiphenyl	8.96	172	1153649	77.67	ng	-0.02
78) Terphenyl-d14	12.68	244	1077400	70.88	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.16	70	140677	17.88	ng	# 74
25) Isophorone	7.16	82	683776	34.63	ng	# 68
49) Dimethylphthalate	9.36	163	164959	8.79	ng	99
56) 2,4-Dinitrotoluene	9.62	165	30900	5.92	ng	# 16
66) 4-Bromophenyl-phenylether	10.42	248	19306	4.02	ng	# 1

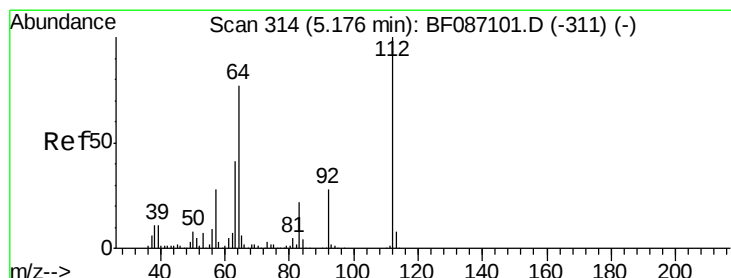
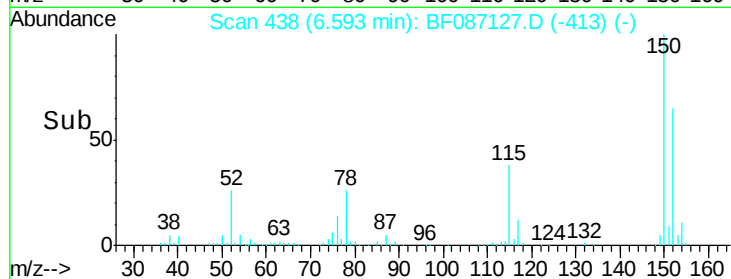
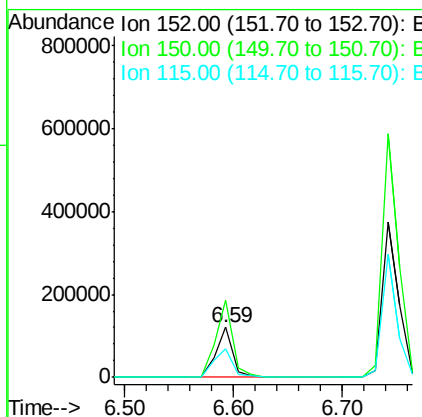
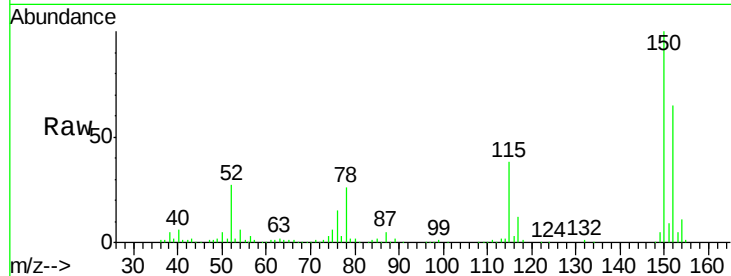
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.59 min Scan# 438
 Delta R.T. -0.01 min
 Lab File: BF087127.D
 Acq: 18 May 2016 3:17

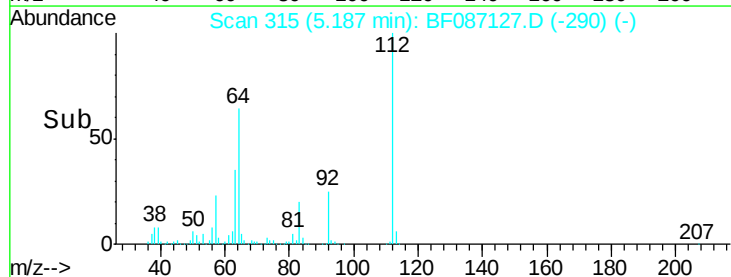
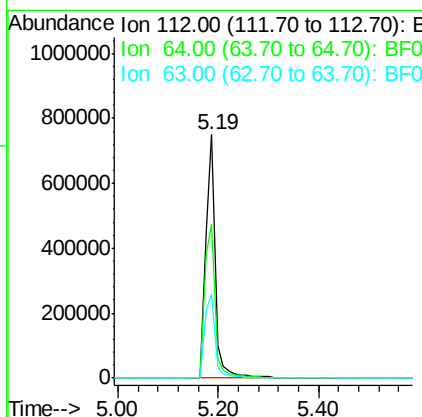
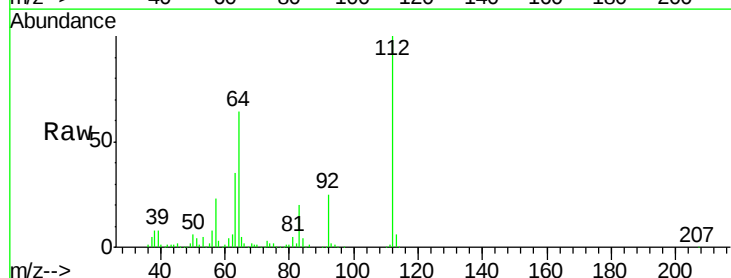
Instrument :
 BNA_F
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 VITALE-FILL-CSPH3-12K

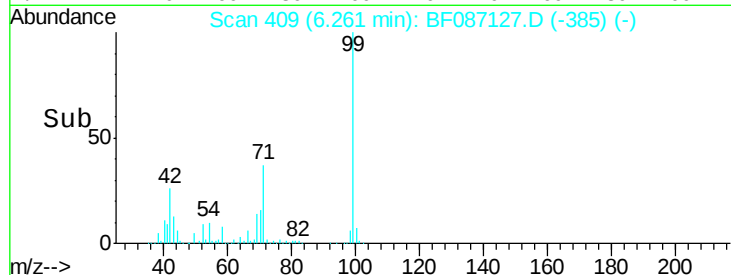
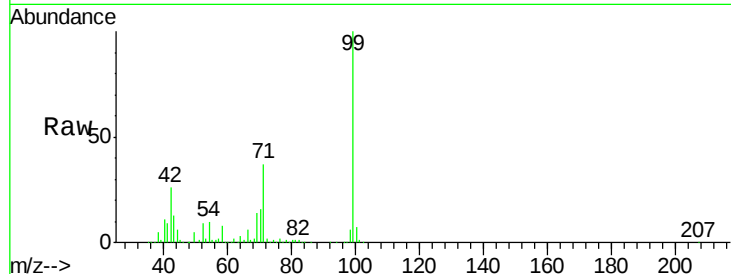
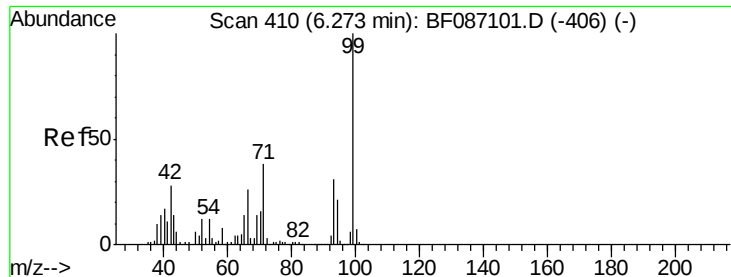
Tgt Ion:152 Resp: 129700
 Ion Ratio Lower Upper
 152 100
 150 154.3 125.8 188.6
 115 58.4 51.5 77.3



#5
 2-Fluorophenol
 Concen: 128.50 ng
 RT: 5.19 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: BF087127.D
 Acq: 18 May 2016 3:17

Tgt Ion:112 Resp: 991540
 Ion Ratio Lower Upper
 112 100
 64 63.5 52.1 78.1
 63 34.5 25.7 38.5





#7

Phenol-d6

Concen: 131.65 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF087127.D

Acq: 18 May 2016 3:17

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12K

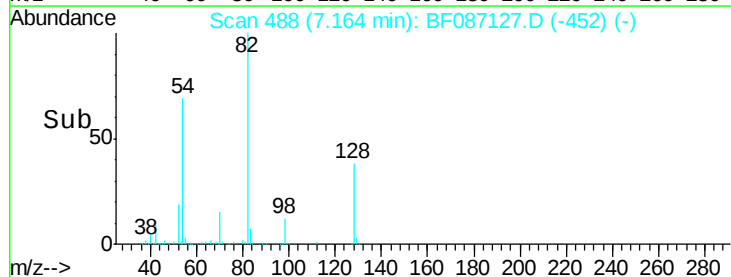
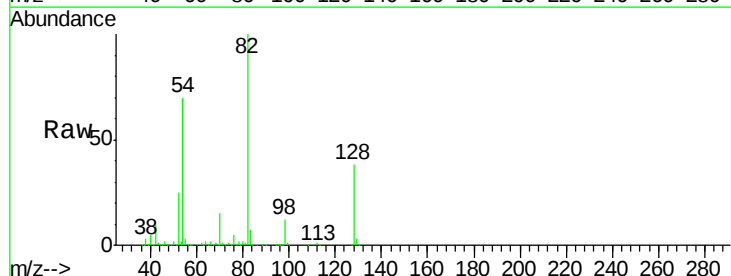
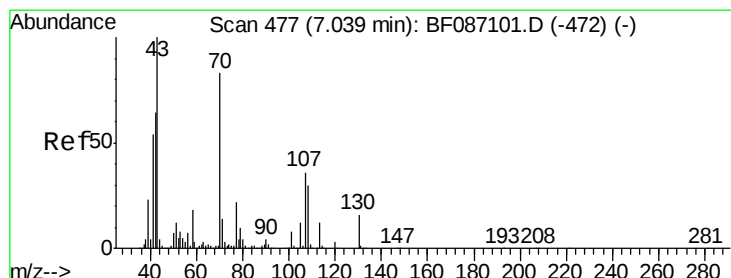
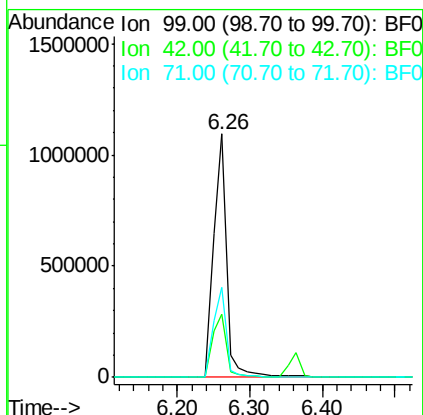
Tgt Ion: 99 Resp: 1362490

Ion Ratio Lower Upper

99 100

42 25.9 13.6 20.4#

71 36.9 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 17.88 ng

RT: 7.16 min Scan# 488

Delta R.T. 0.11 min

Lab File: BF087127.D

Acq: 18 May 2016 3:17

Tgt Ion: 70 Resp: 140677

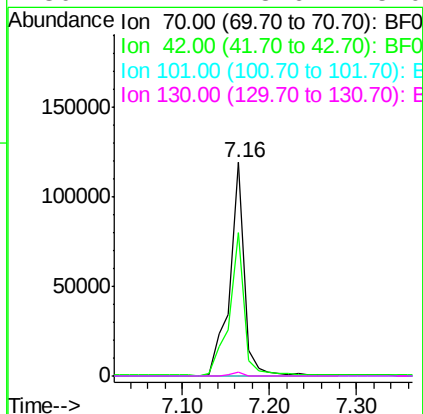
Ion Ratio Lower Upper

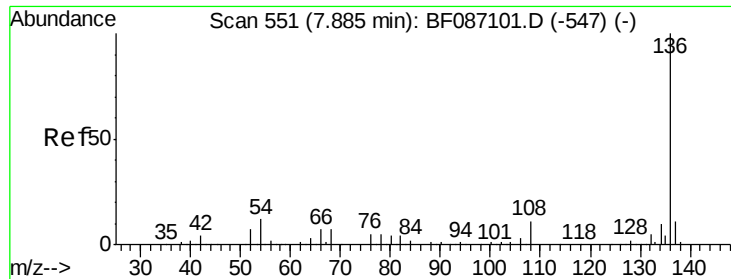
70 100

42 67.1 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

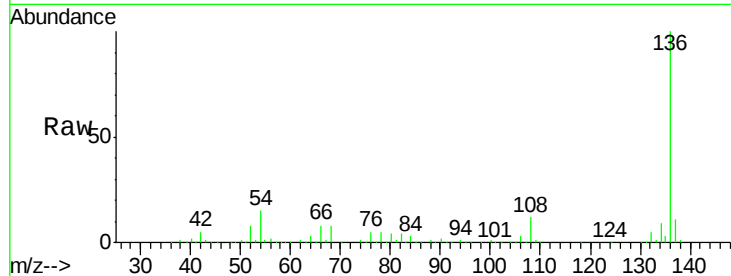




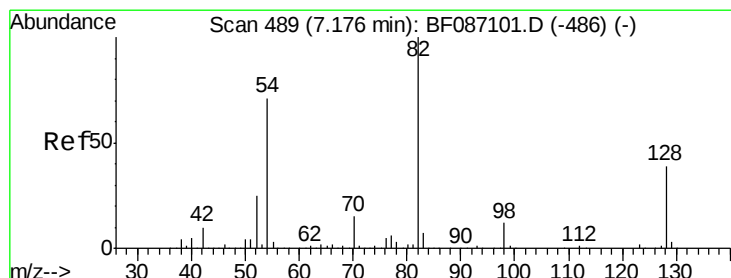
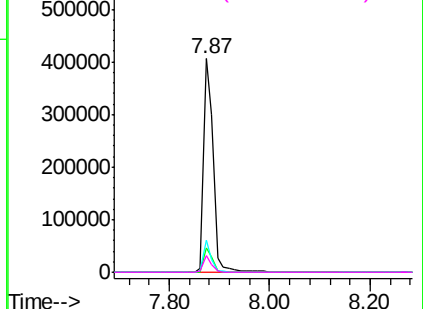
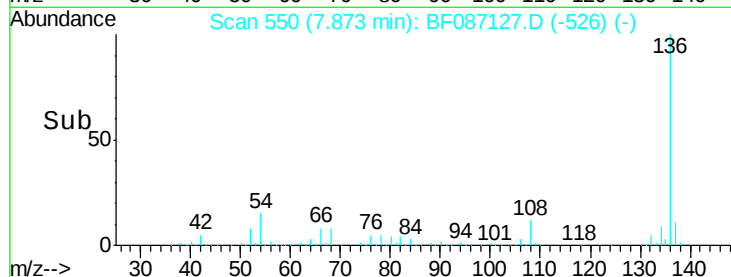
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.87 min Scan# 550
Delta R.T. -0.02 min
Lab File: BF087127.D
Acq: 18 May 2016 3:17

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-12K

Tgt Ion:	136	Resp:	537526
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	15.0	5.0	7.4#
68	7.6	4.4	6.6#

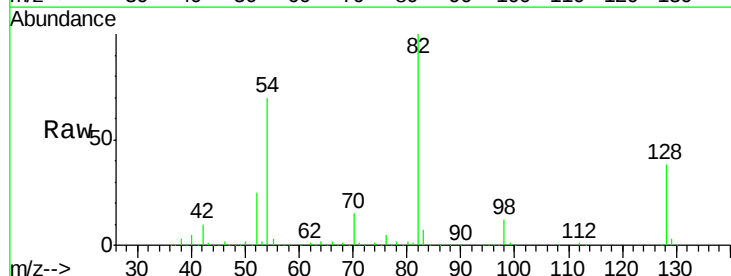


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

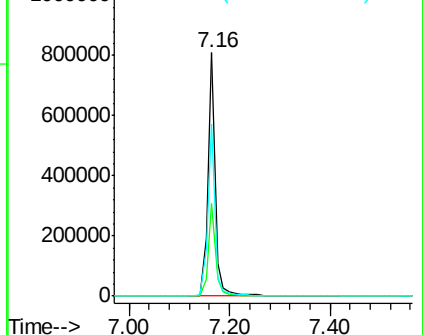
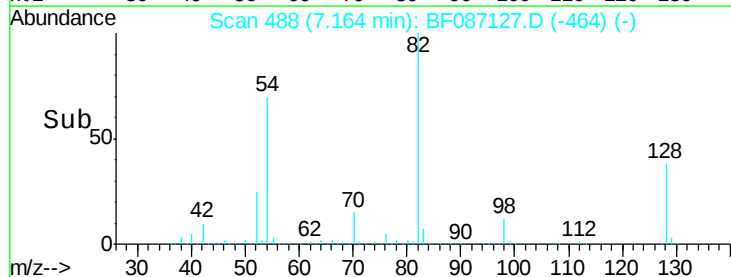


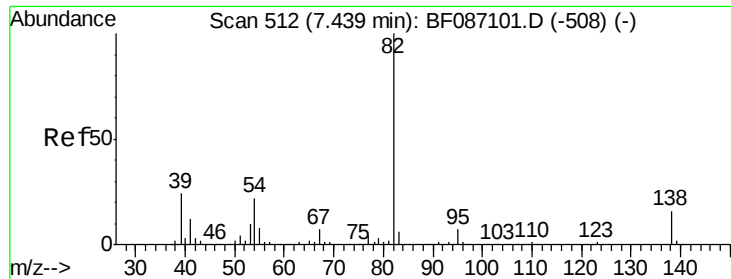
#23
Nitrobenzene-d5
Concen: 76.86 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.02 min
Lab File: BF087127.D
Acq: 18 May 2016 3:17

Tgt Ion:	82	Resp:	828948
Ion	Ratio	Lower	Upper
82	100		
128	38.0	40.6	61.0#
54	70.5	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: 34.63 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.29 min

Lab File: BF087127.D

Acq: 18 May 2016 3:17

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12K

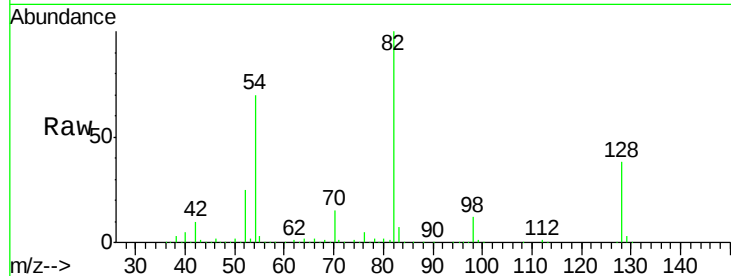
Tgt Ion: 82 Resp: 683776

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

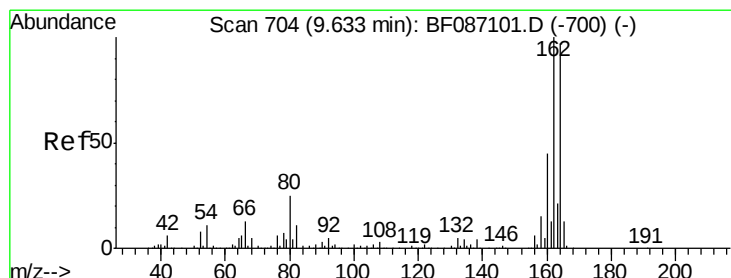
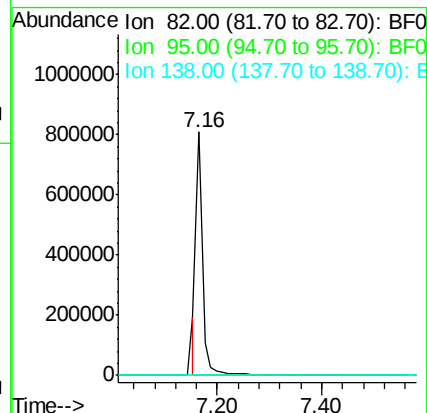
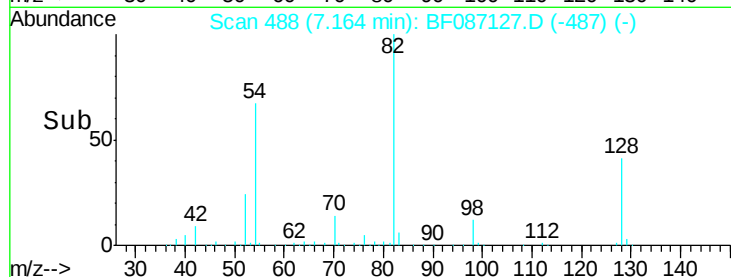
138 0.0 12.4 18.6#



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: BF087127.D

Acq: 18 May 2016 3:17

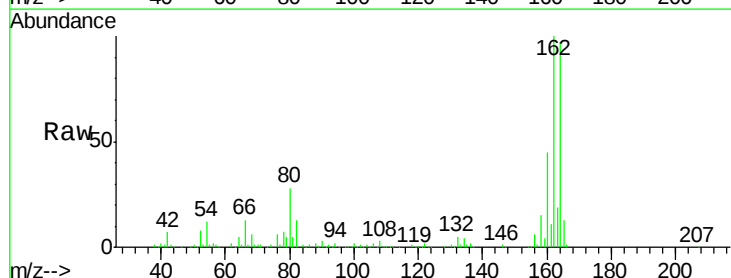
Tgt Ion: 164 Resp: 245992

Ion Ratio Lower Upper

164 100

162 102.8 82.8 124.2

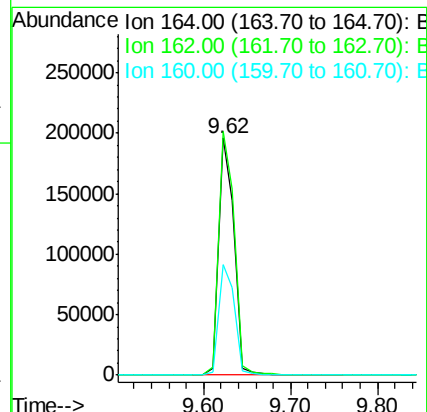
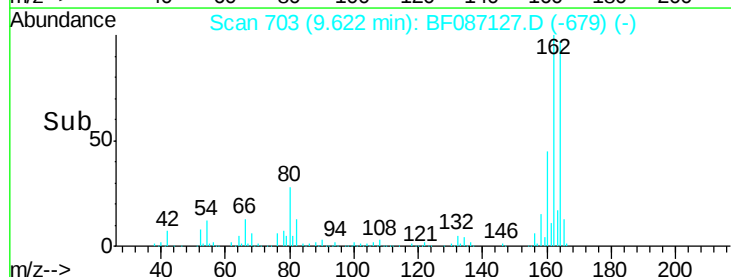
160 46.5 36.9 55.3

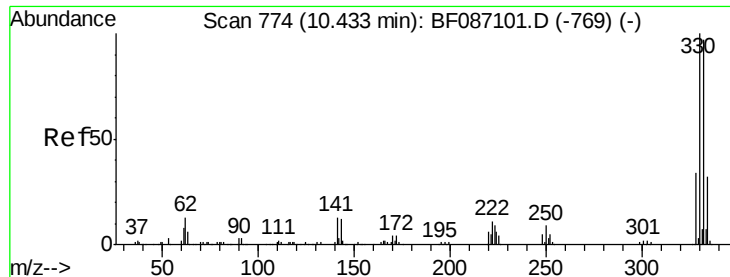


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

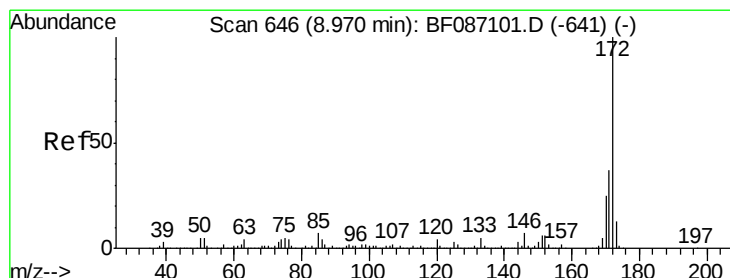
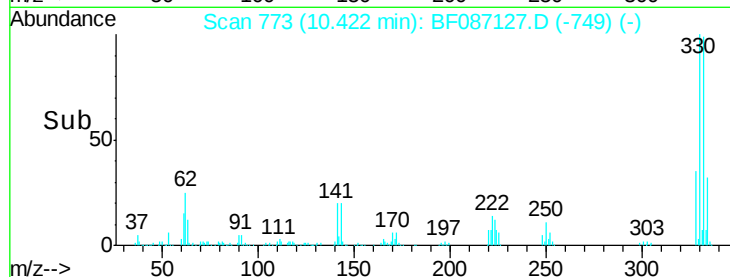
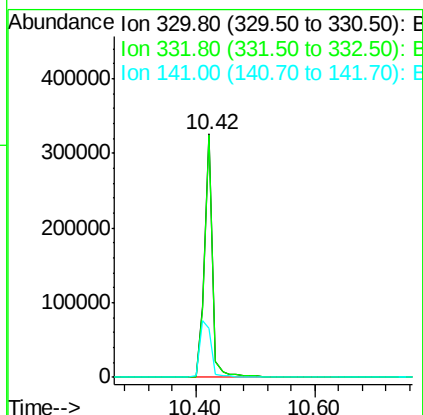
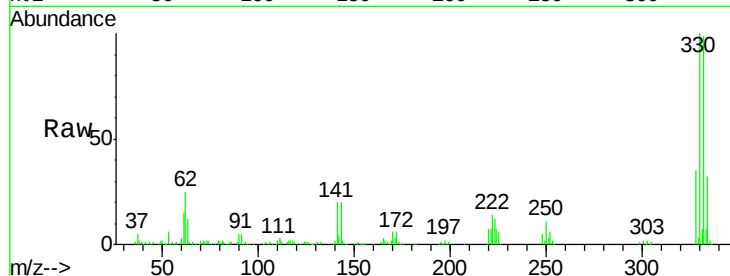




#41
 2,4,6-Tribromophenol
 Concen: 119.01 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.02 min
 Lab File: BF087127.D
 Acq: 18 May 2016 3:17

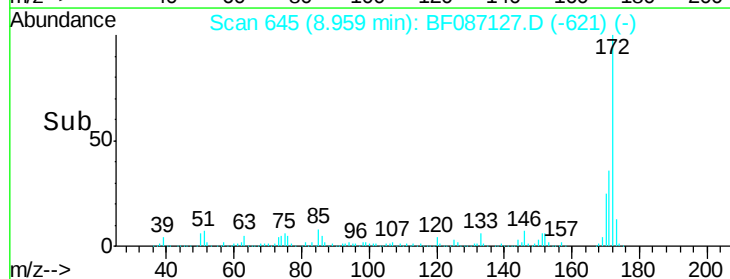
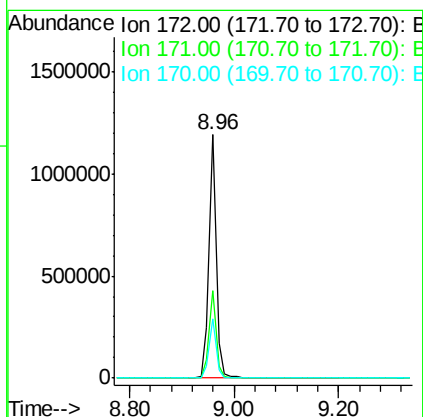
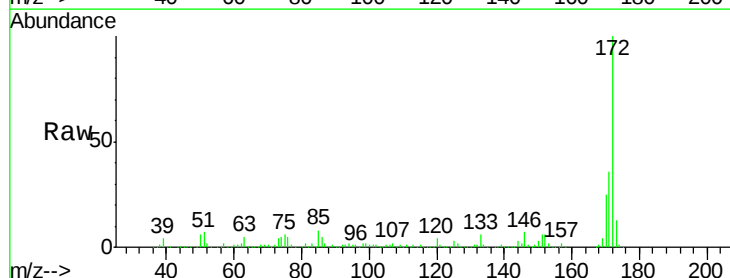
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-12K

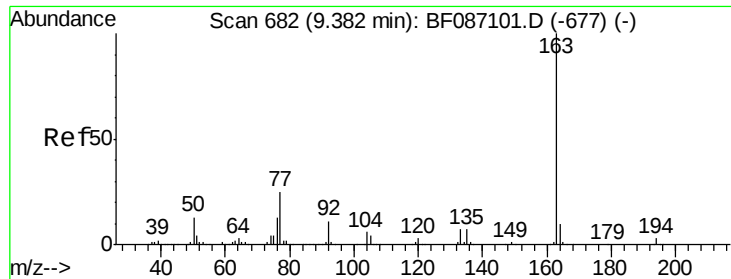
Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.7	79.0	118.4
141	33.4	31.2	46.8



#44
 2-Fluorobiphenyl
 Concen: 77.67 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.02 min
 Lab File: BF087127.D
 Acq: 18 May 2016 3:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.6
170	24.5	19.8	29.8





#49

Dimethylphthalate

Concen: 8.79 ng

RT: 9.36 min Scan# 680

Delta R.T. -0.03 min

Lab File: BF087127.D

Acq: 18 May 2016 3:17

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12K

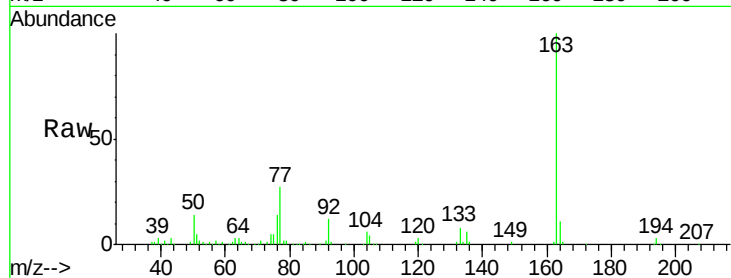
Tgt Ion:163 Resp: 164959

Ion Ratio Lower Upper

163 100

194 2.9 2.6 4.0

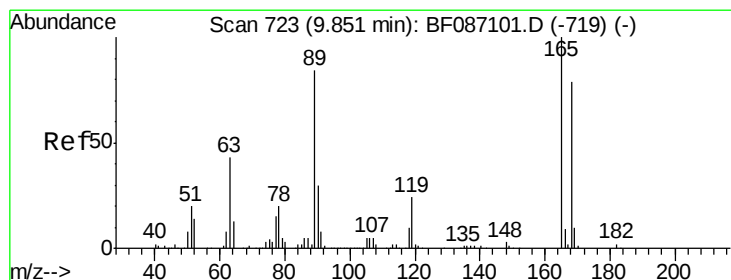
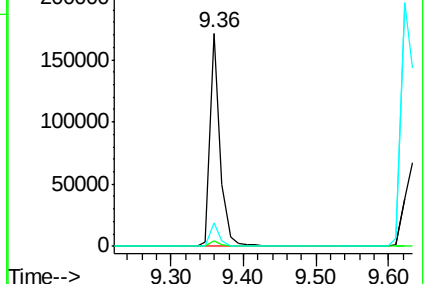
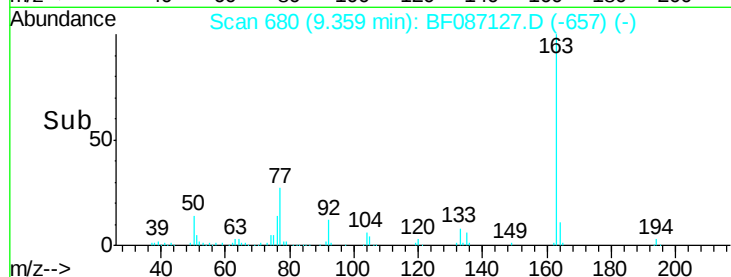
164 10.8 8.2 12.4



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: 5.92 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.24 min

Lab File: BF087127.D

Acq: 18 May 2016 3:17

Tgt Ion:165 Resp: 30900

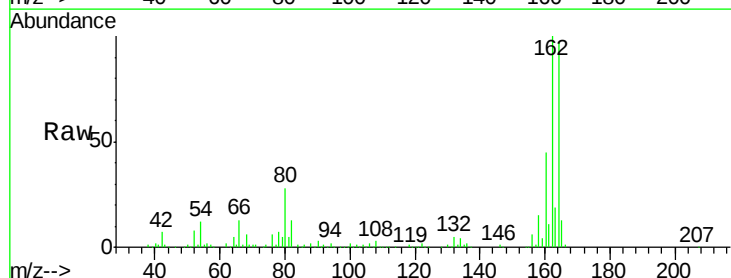
Ion Ratio Lower Upper

165 100

63 2.3 44.3 66.5#

89 1.9 70.0 105.0#

182 0.0 1.8 2.6#

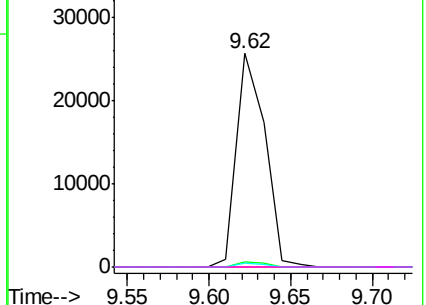
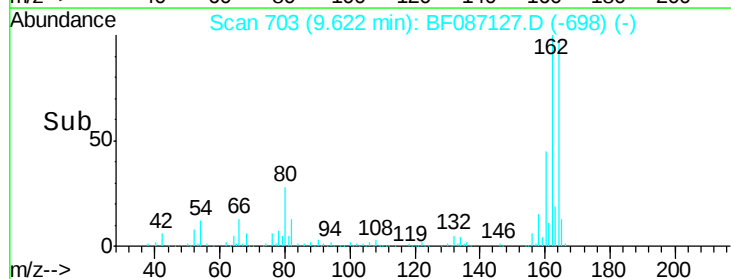


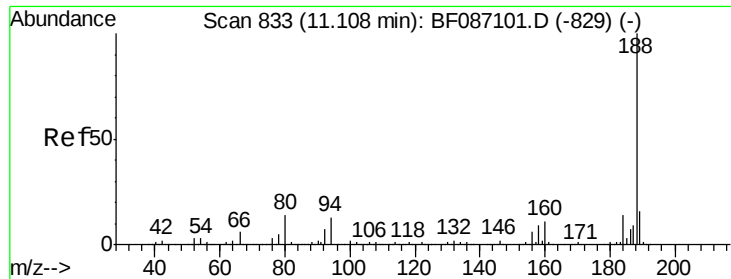
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF087127.D

Acq: 18 May 2016 3:17

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VITALE-FILL-CSPH3-12K

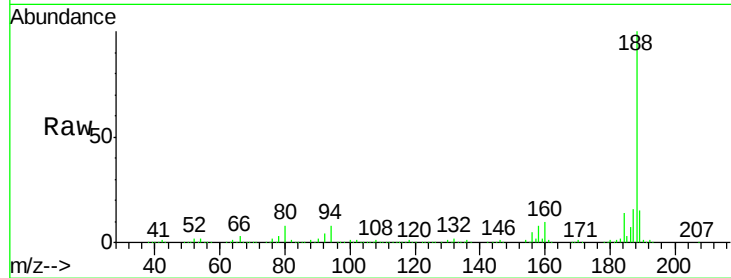
Tgt Ion:188 Resp: 467020

Ion Ratio Lower Upper

188 100

94 7.6 6.8 10.2

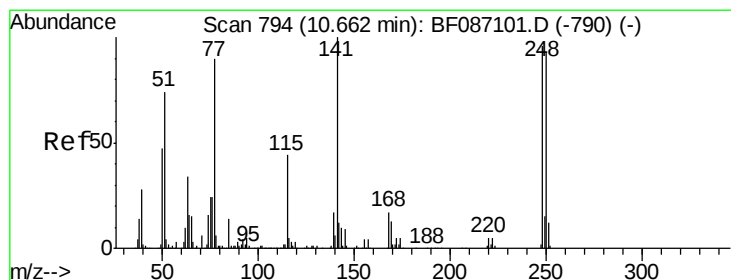
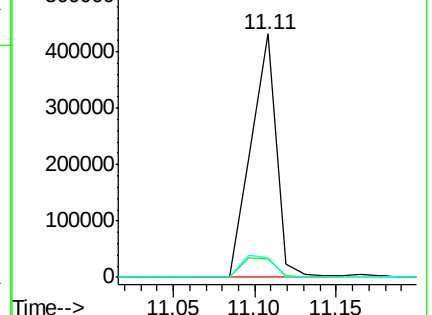
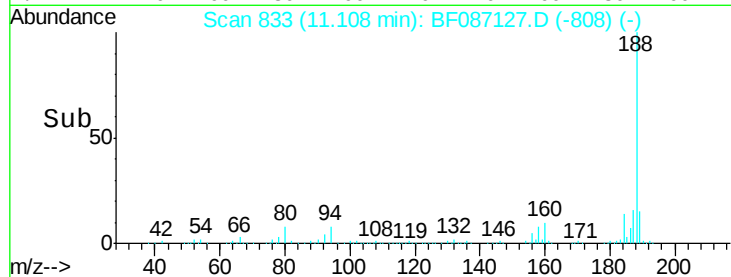
80 7.9 7.1 10.7



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: 4.02 ng

RT: 10.42 min Scan# 773

Delta R.T. -0.25 min

Lab File: BF087127.D

Acq: 18 May 2016 3:17

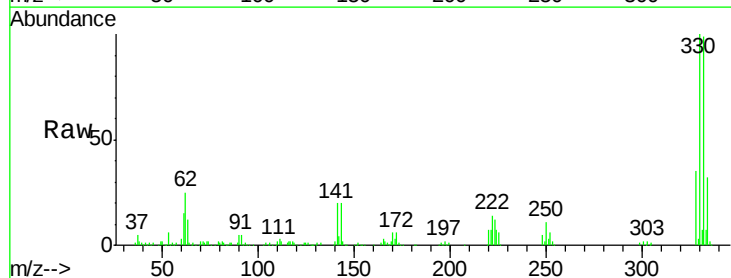
Tgt Ion:248 Resp: 19306

Ion Ratio Lower Upper

248 100

250 196.8 78.6 117.8#

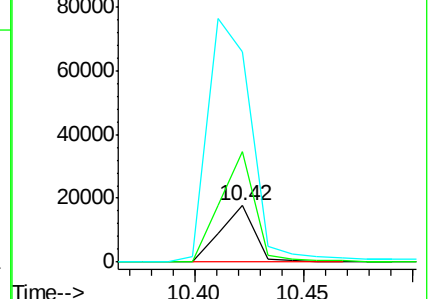
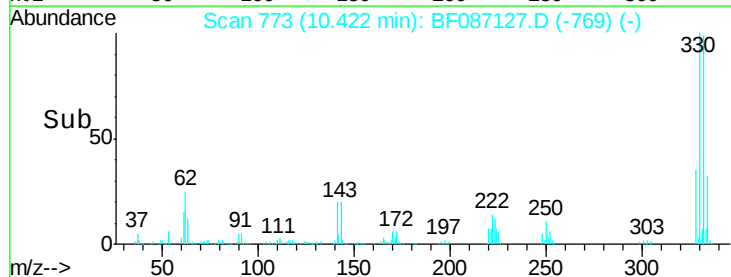
141 374.4 76.0 114.0#

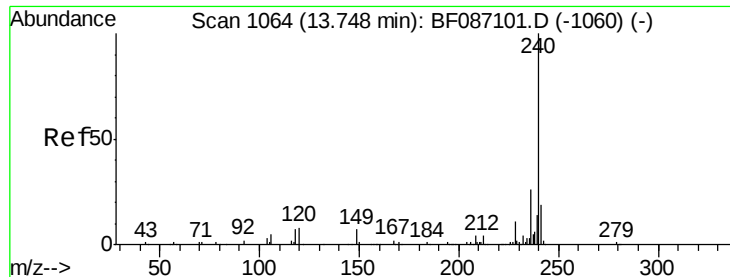


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF087127.D

Acq: 18 May 2016 3:17

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12K

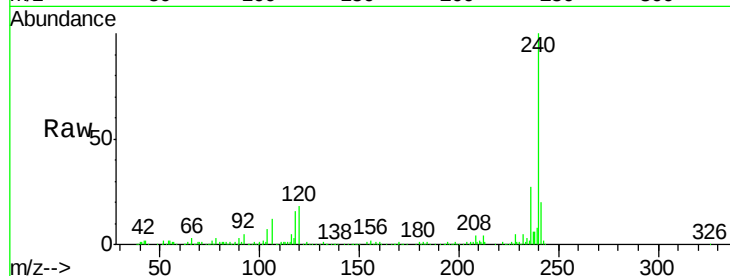
Tgt Ion:240 Resp: 343860

Ion Ratio Lower Upper

240 100

120 17.5 11.2 16.8#

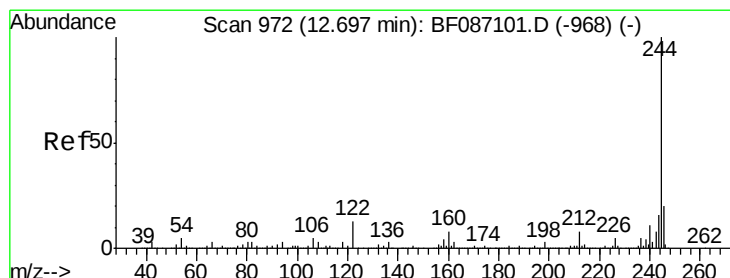
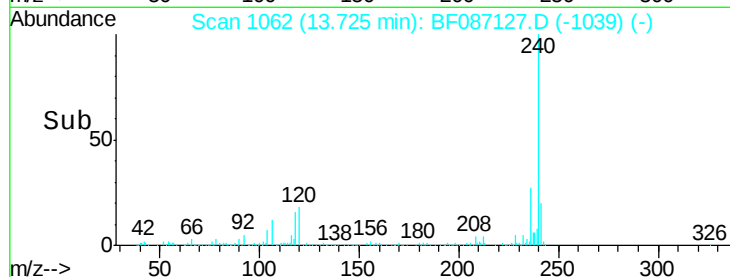
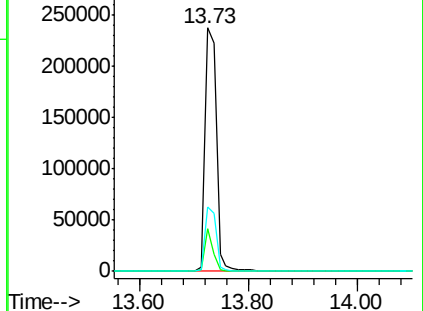
236 26.6 21.2 31.8



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: 70.88 ng

RT: 12.68 min Scan# 971

Delta R.T. -0.02 min

Lab File: BF087127.D

Acq: 18 May 2016 3:17

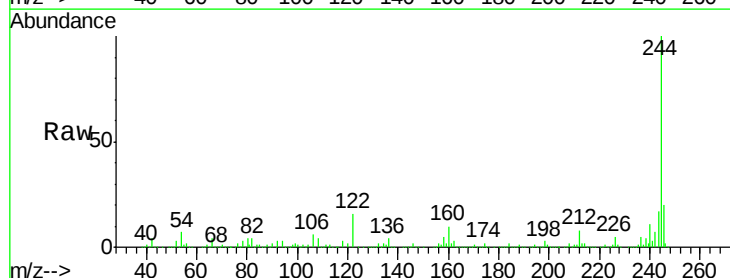
Tgt Ion:244 Resp: 1077400

Ion Ratio Lower Upper

244 100

212 8.4 6.2 9.2

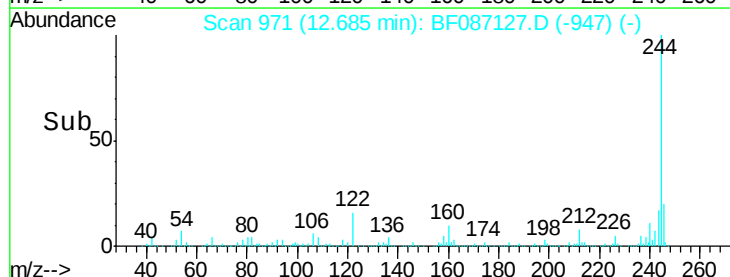
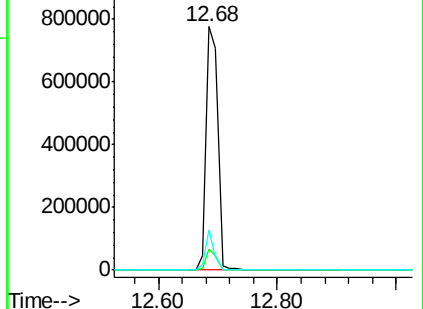
122 16.3 12.0 18.0

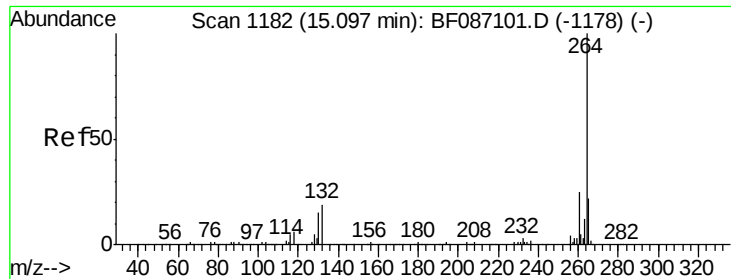


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF087127.D
Acq: 18 May 2016 3:17

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-12K

Tgt Ion: 264 Resp: 263510
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 21.5 17.3 25.9

