

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060516\
 Data File : BF087740.D
 Acq On : 6 Jun 2016 7:20
 Operator : UM/SJ
 Sample : H3356-01
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 U5-B2(0-10)C

Quant Time: Jun 06 07:54:47 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	134364	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	571088	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	236261	20.00	ng	-0.01
63) Phenanthrene-d10	11.38	188	384340	20.00	ng	0.00
75) Chrysene-d12	14.01	240	275482	20.00	ng	-0.01
86) Perylene-d12	15.45	264	243060	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	763103	91.80	ng	0.01
7) Phenol-d6	6.49	99	1033838	99.17	ng	0.00
23) Nitrobenzene-d5	7.43	82	609921	61.79	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	170233	71.78	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1023288	60.90	ng	-0.01
78) Terphenyl-d14	12.97	244	685288	60.70	ng	0.00

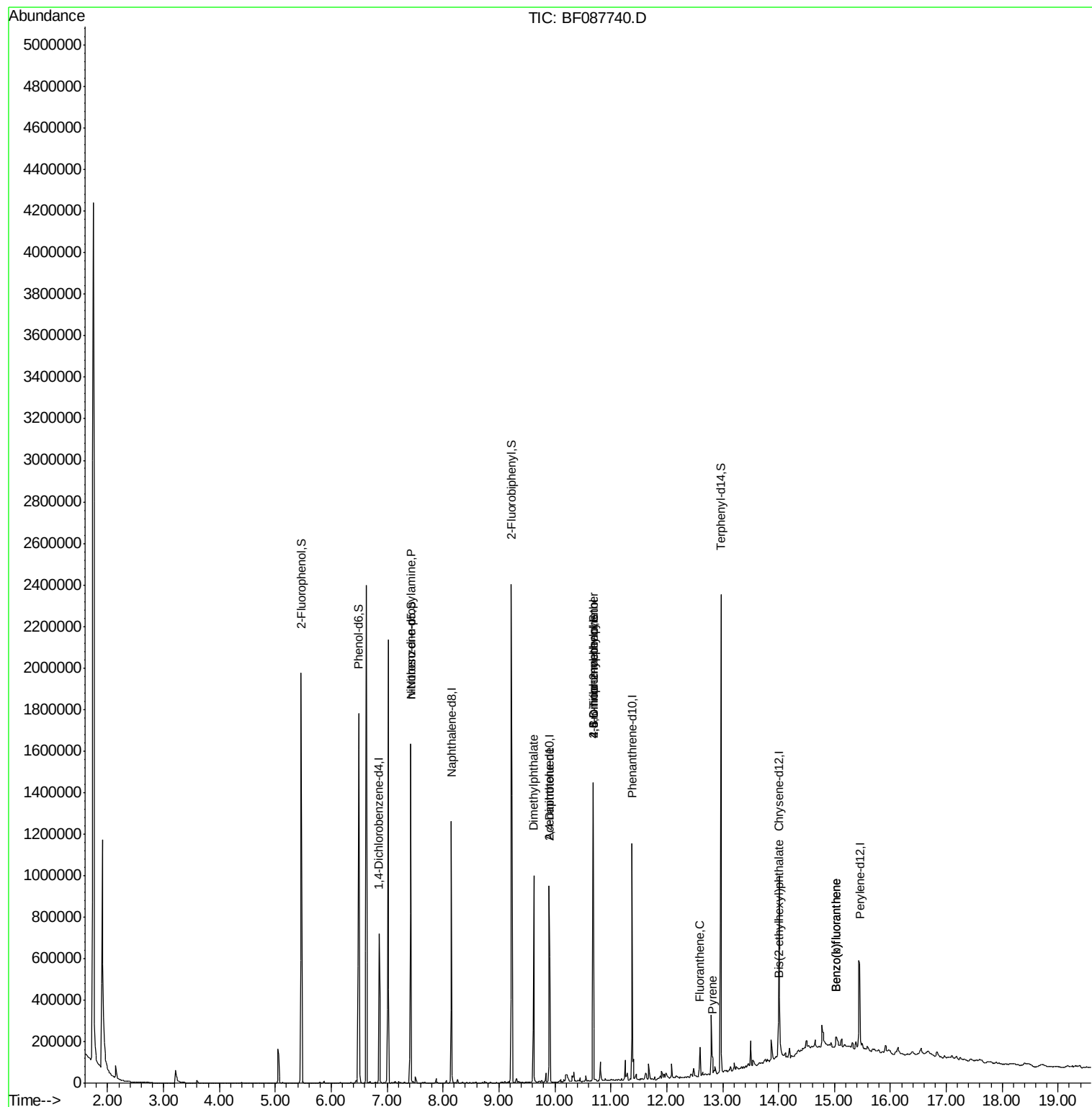
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	82027	12.60	ng	# 72
49) Dimethylphthalate	9.62	163	412871	24.04	ng	100
56) 2,4-Dinitrotoluene	9.90	165	30349	6.10	ng	# 38
64) 4,6-Dinitro-2-methylphenol	10.68	198	313	2.16	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	10144	2.66	ng	# 1
74) Fluoranthene	12.59	202	54024	2.63	ng	96
77) Pyrene	12.82	202	50025	2.55	ng	98
83) Bis(2-ethylhexyl)phthalate	14.00	149	37532	3.78	ng	97
87) Benzo(b)fluoranthene	15.03	252	35750	2.26	ng	# 84
88) Benzo(k)fluoranthene	15.03	252	35750	2.72	ng	# 89

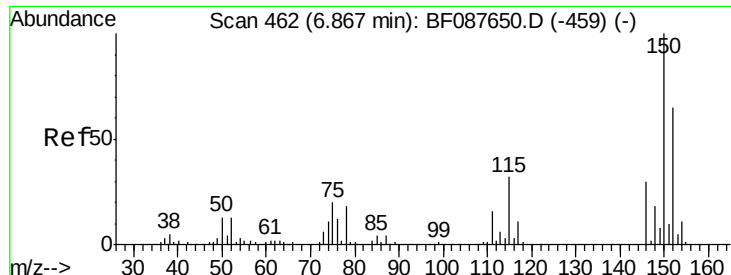
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF087740.D

Acq: 6 Jun 2016 7:20

Instrument :

BNA_F

ClientSampleId :

U5-B2(0-10)C

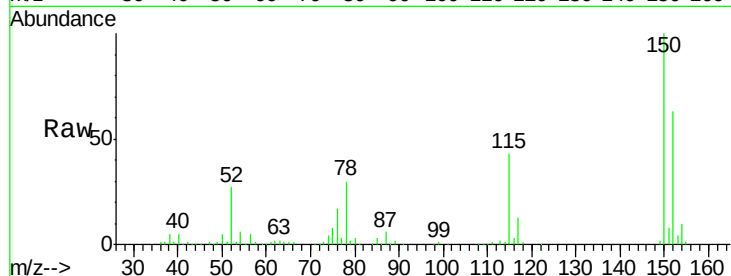
Tgt Ion:152 Resp: 134364

Ion Ratio Lower Upper

152 100

150 158.9 123.8 185.6

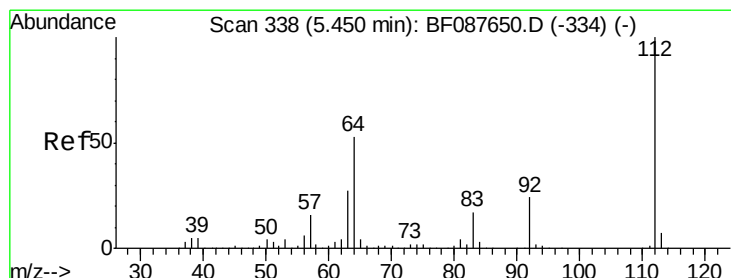
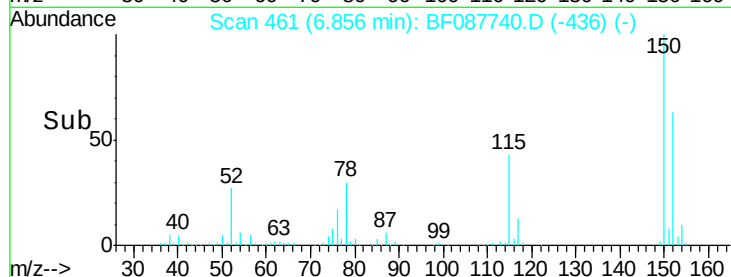
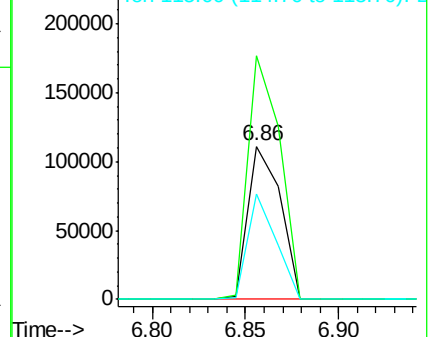
115 69.1 39.6 59.4#



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: 91.80 ng

RT: 5.46 min Scan# 339

Delta R.T. 0.01 min

Lab File: BF087740.D

Acq: 6 Jun 2016 7:20

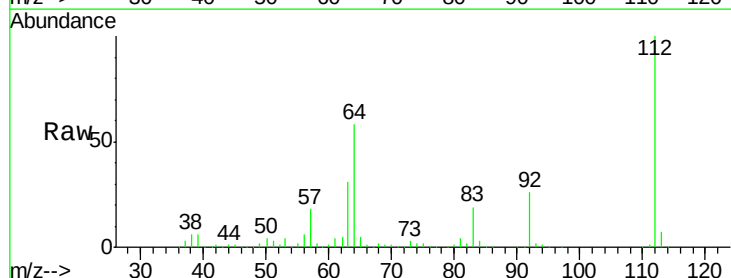
Tgt Ion:112 Resp: 763103

Ion Ratio Lower Upper

112 100

64 58.5 42.2 63.2

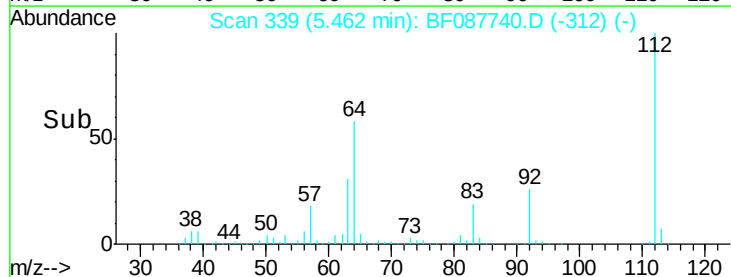
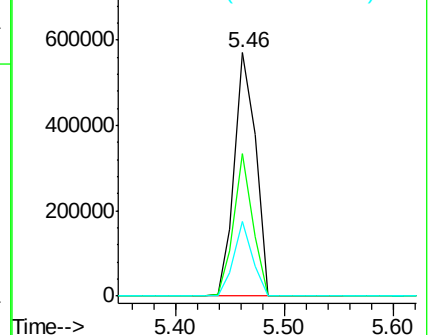
63 30.5 21.8 32.8

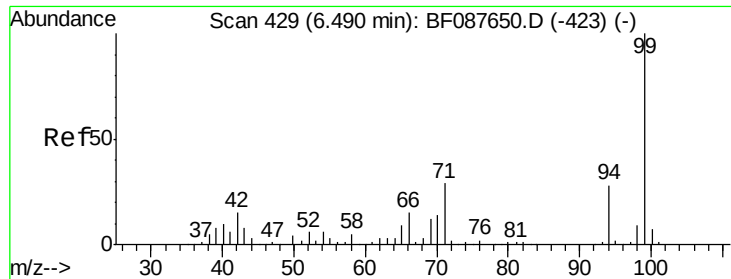


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 99.17 ng

RT: 6.49 min Scan# 429

Delta R.T. 0.00 min

Lab File: BF087740.D

Acq: 6 Jun 2016 7:20

Instrument :

BNA_F

ClientSampleId :

U5-B2(0-10)C

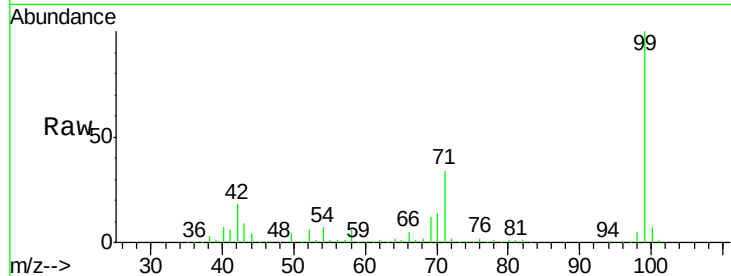
Tgt Ion: 99 Resp: 1033838

Ion Ratio Lower Upper

99 100

42 17.8 12.2 18.2

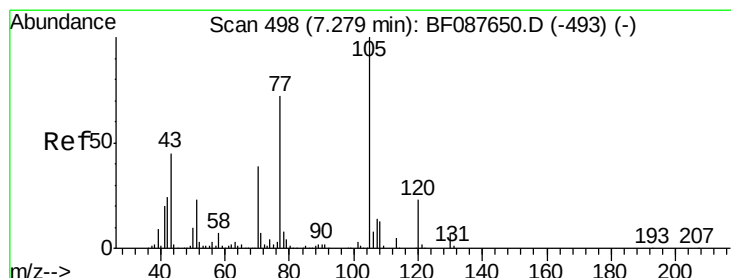
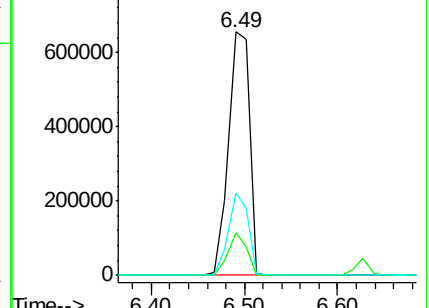
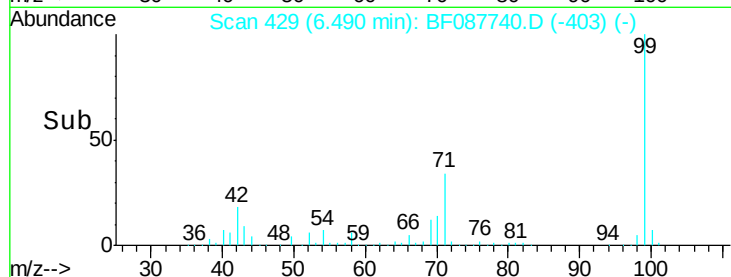
71 33.6 23.4 35.0



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: 12.60 ng

RT: 7.43 min Scan# 511

Delta R.T. 0.15 min

Lab File: BF087740.D

Acq: 6 Jun 2016 7:20

Tgt Ion: 70 Resp: 82027

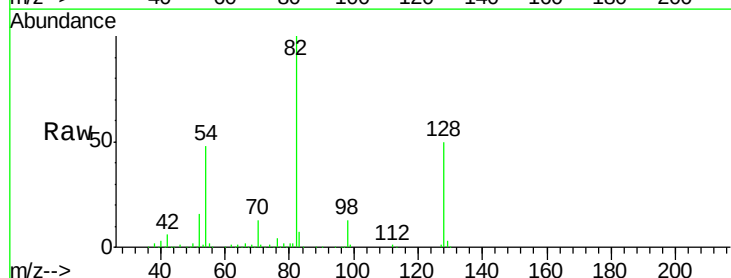
Ion Ratio Lower Upper

70 100

42 42.5 49.6 74.4#

101 0.0 7.1 10.7#

130 2.5 15.4 23.2#

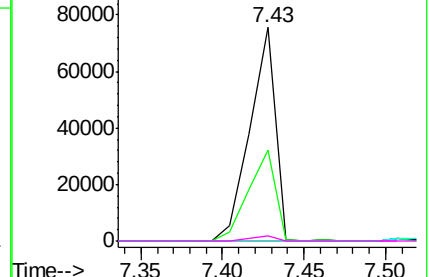
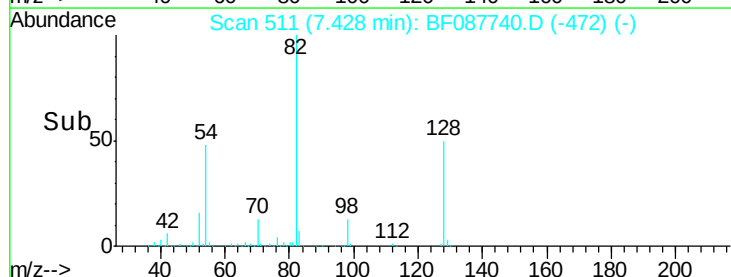


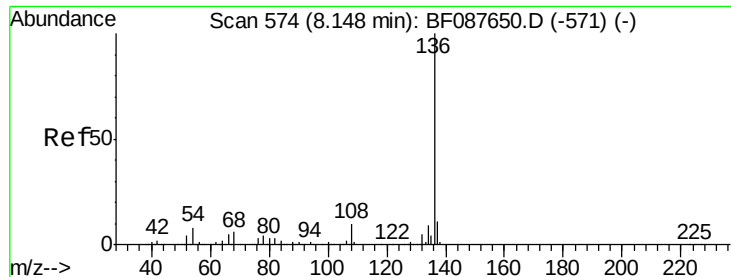
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

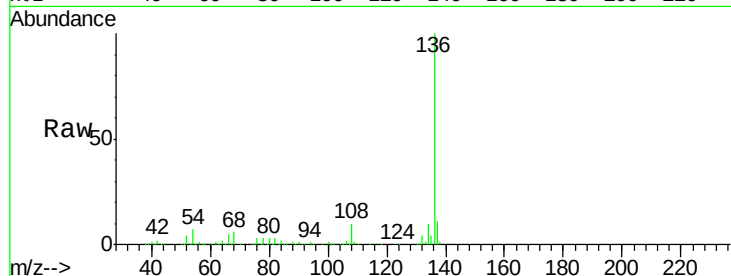




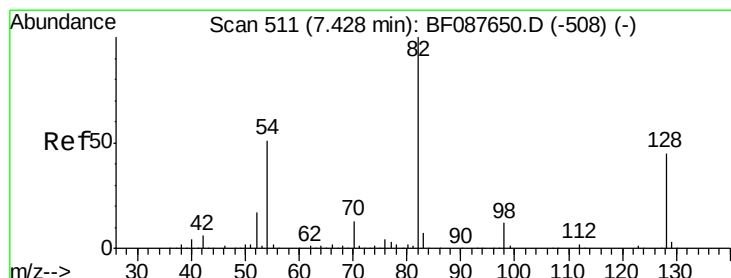
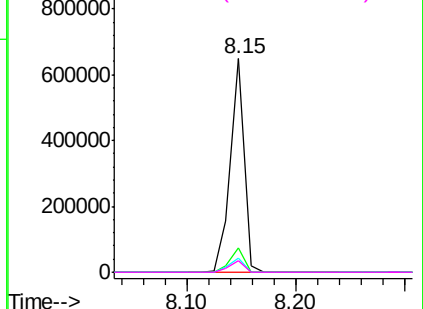
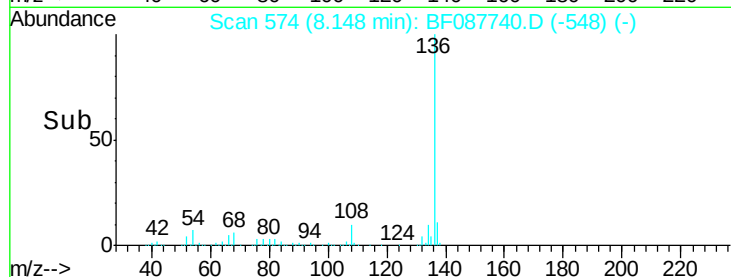
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF087740.D
Acq: 6 Jun 2016 7:20

Instrument :
BNA_F
ClientSampleId :
U5-B2(0-10)C

Tgt Ion:	136	Resp:	571088
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	6.8	6.6	10.0
68	5.6	5.1	7.7

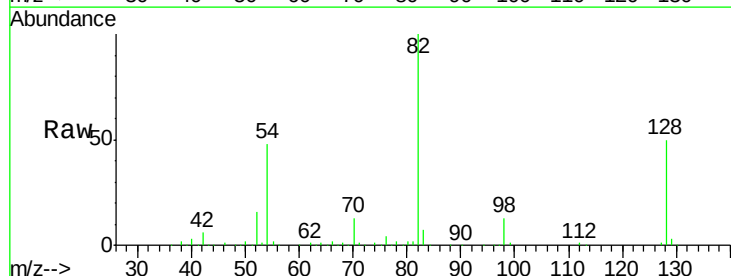


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

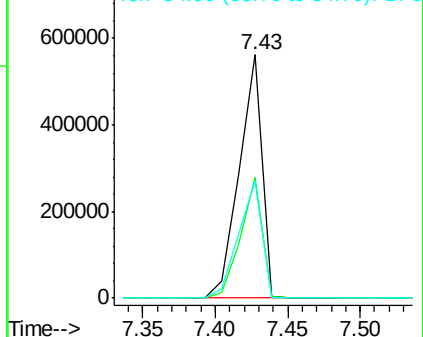
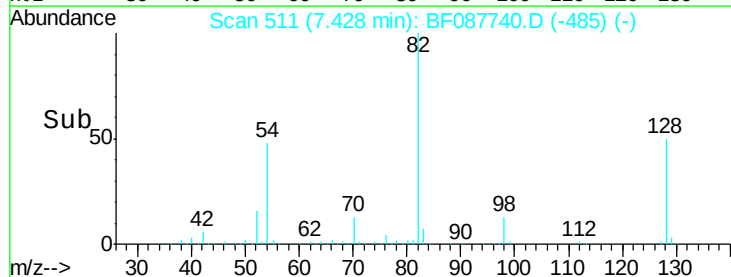


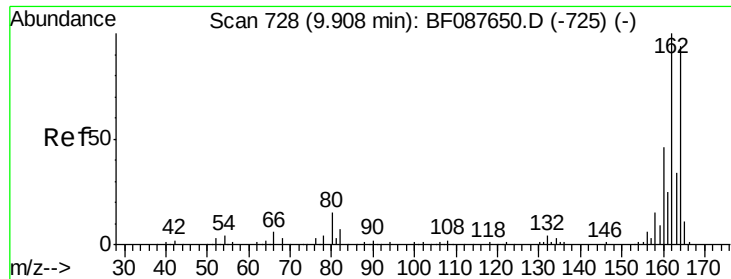
#23
Nitrobenzene-d5
Concen: 61.79 ng
RT: 7.43 min Scan# 511
Delta R.T. 0.00 min
Lab File: BF087740.D
Acq: 6 Jun 2016 7:20

Tgt Ion:	82	Resp:	609921
Ion	Ratio	Lower	Upper
82	100		
128	49.5	35.9	53.9
54	48.0	40.9	61.3



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

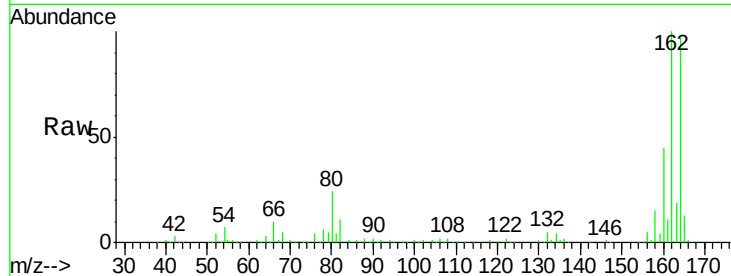




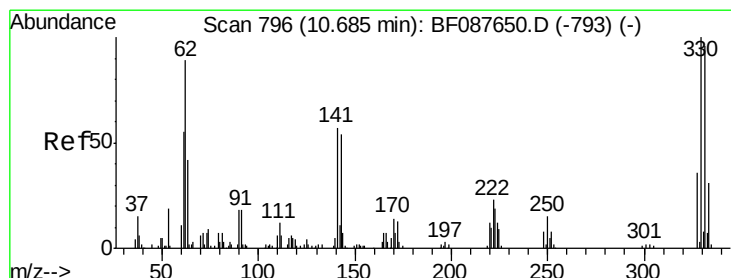
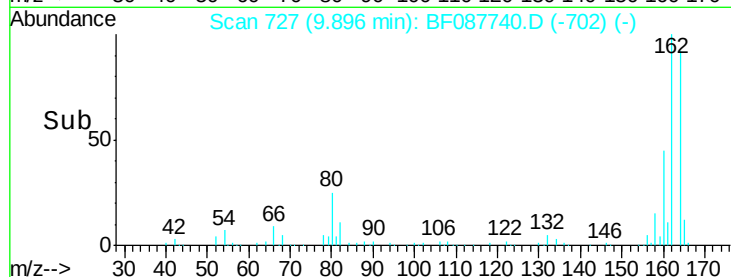
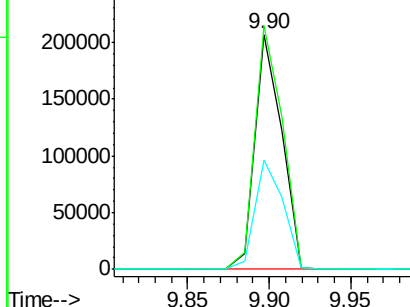
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF087740.D
Acq: 6 Jun 2016 7:20

Instrument :
BNA_F
ClientSampleId :
U5-B2(0-10)C

Tgt Ion:164 Resp: 236261
Ion Ratio Lower Upper
164 100
162 103.6 85.4 128.2
160 46.3 39.5 59.3

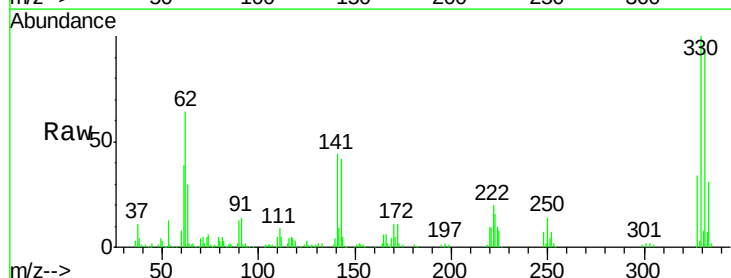


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

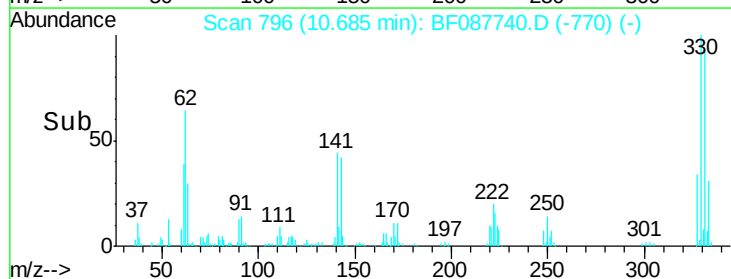
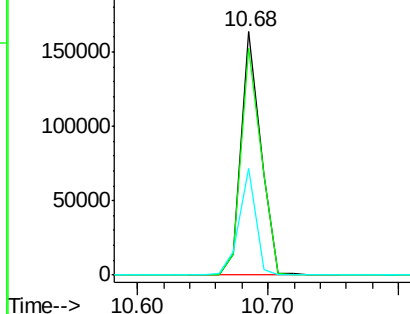


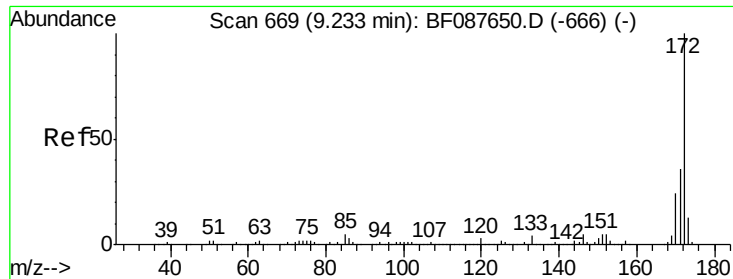
#41
2,4,6-Tribromophenol
Concen: 71.78 ng
RT: 10.68 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF087740.D
Acq: 6 Jun 2016 7:20

Tgt Ion:330 Resp: 170233
Ion Ratio Lower Upper
330 100
332 95.6 0.0 0.0#
141 37.2 0.0 0.0#



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

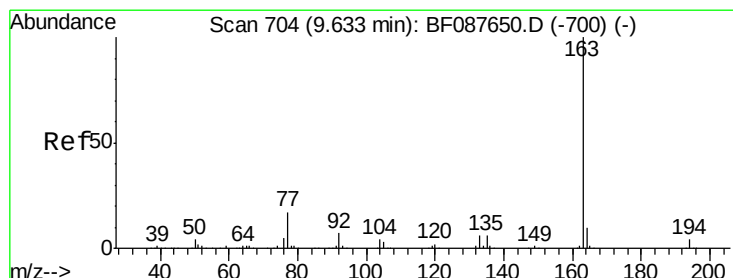
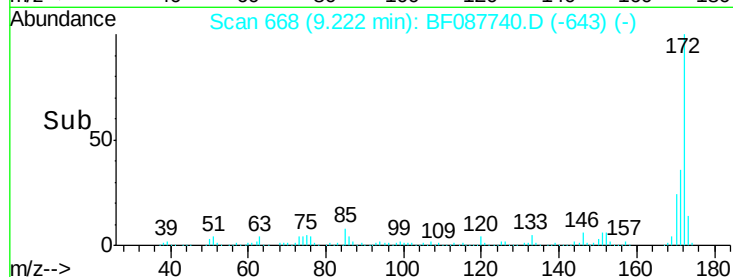
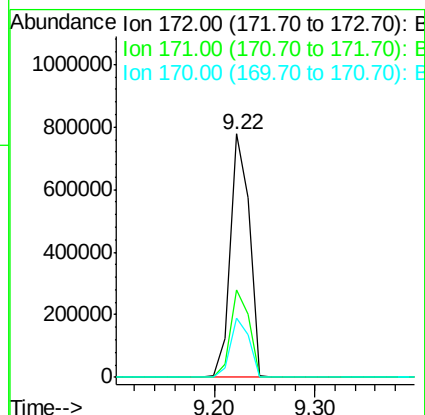
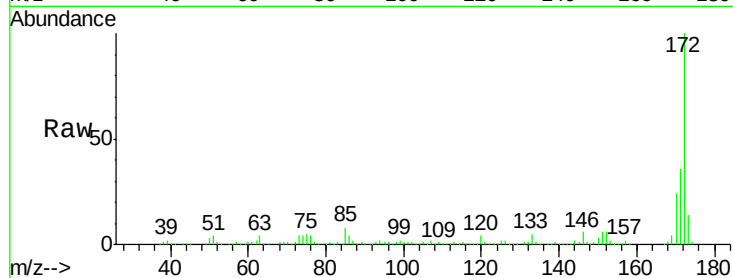




#44
2-Fluorobiphenyl
Concen: 60.90 ng
RT: 9.22 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF087740.D
Acq: 6 Jun 2016 7:20

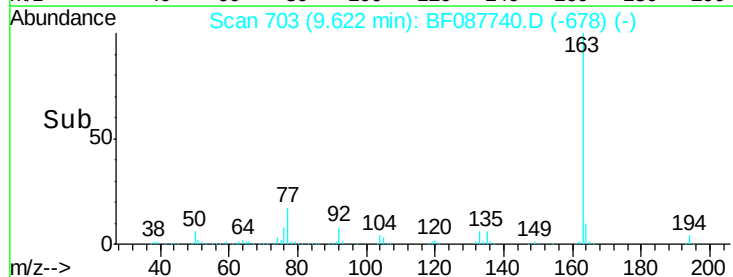
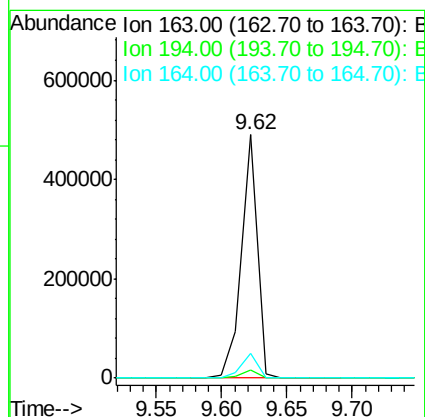
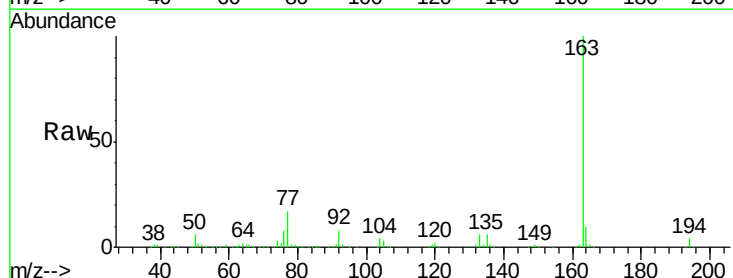
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U5-B2(0-10)C

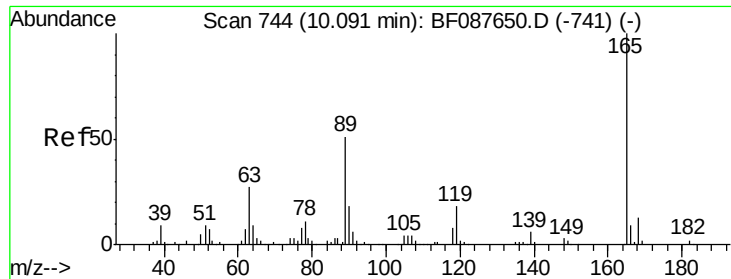
Tgt Ion:172 Resp: 1023288
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 24.1 19.2 28.8



#49
Dimethylphthalate
Concen: 24.04 ng
RT: 9.62 min Scan# 703
Delta R.T. -0.01 min
Lab File: BF087740.D
Acq: 6 Jun 2016 7:20

Tgt Ion:163 Resp: 412871
Ion Ratio Lower Upper
163 100
194 3.5 2.8 4.2
164 10.2 8.3 12.5

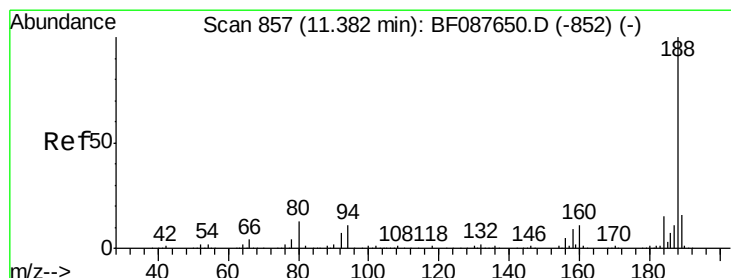
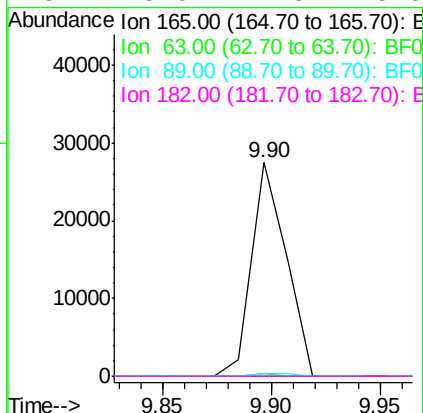
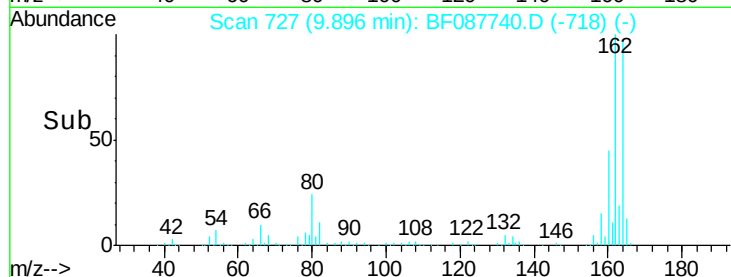
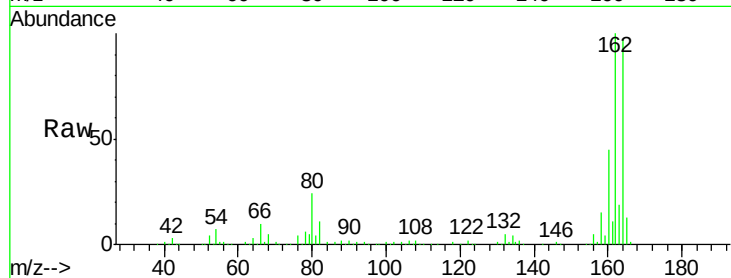




#56
 2,4-Dinitrotoluene
 Concen: 6.10 ng
 RT: 9.90 min Scan# 727
 Delta R.T. -0.19 min
 Lab File: BF087740.D
 Acq: 6 Jun 2016 7:20

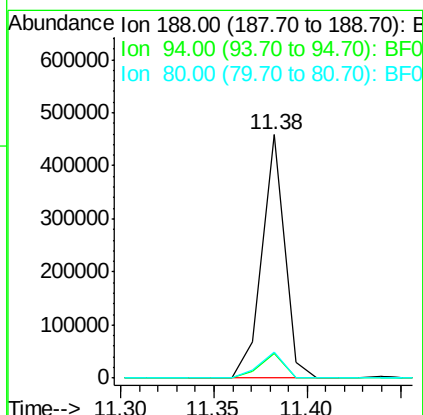
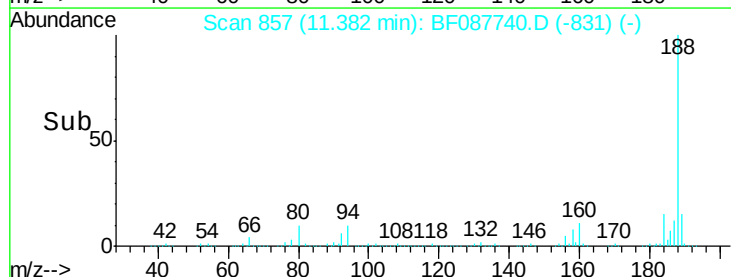
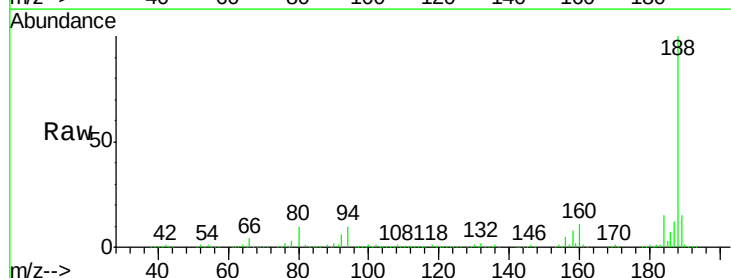
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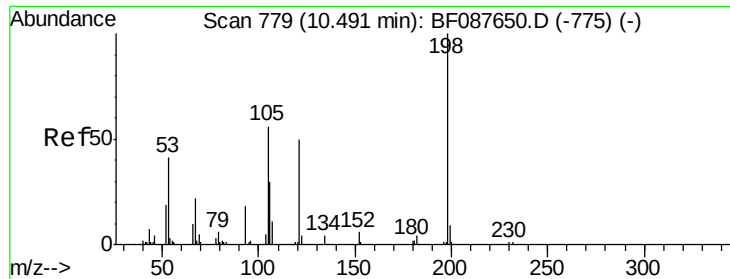
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	22.0	33.0#
89	1.4	41.1	61.7#
182	0.0	2.0	3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: BF087740.D
 Acq: 6 Jun 2016 7:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.0	13.6
80	10.5	10.0	15.0

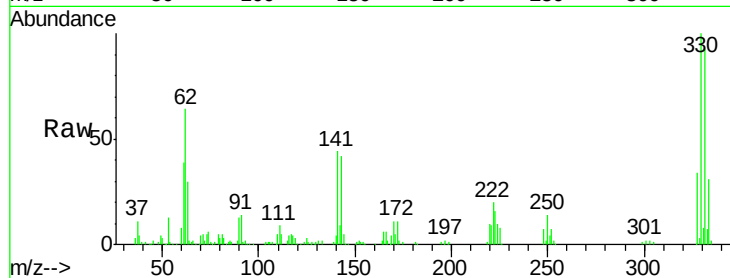




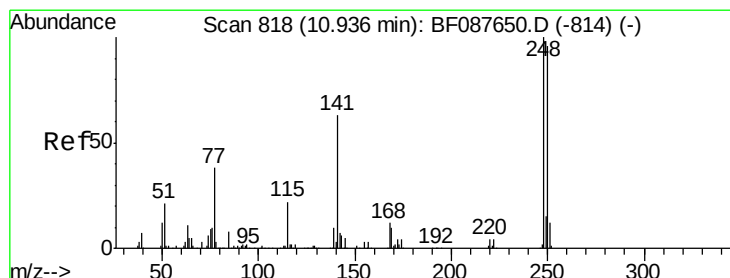
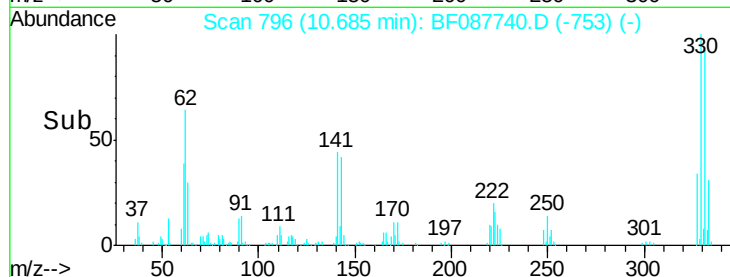
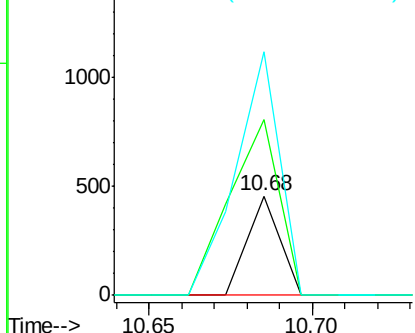
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.16 ng
 RT: 10.68 min Scan# 796
 Delta R.T. 0.19 min
 Lab File: BF087740.D
 Acq: 6 Jun 2016 7:20

Instrument :
 BNA_F
 ClientSampleId :
 U5-B2(0-10)C

Tgt Ion:198 Resp: 313
 Ion Ratio Lower Upper
 198 100
 51 176.1 39.6 79.6#
 105 244.7 36.6 76.6#

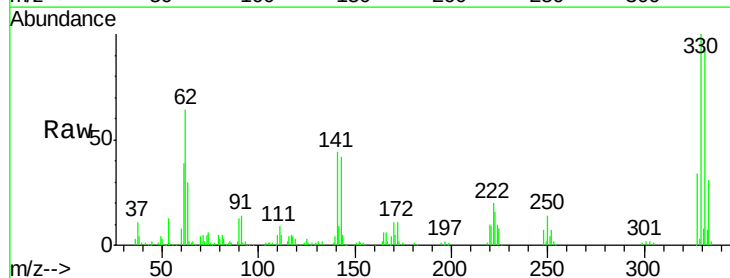


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

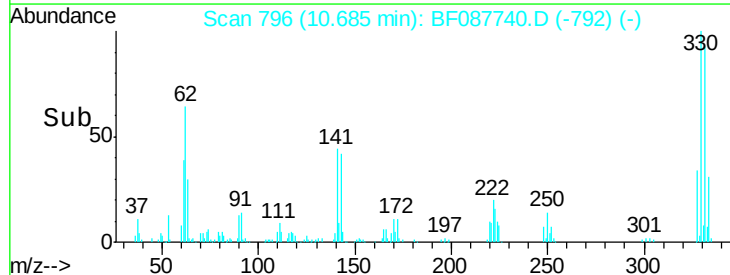
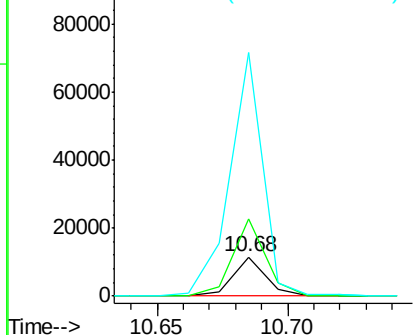


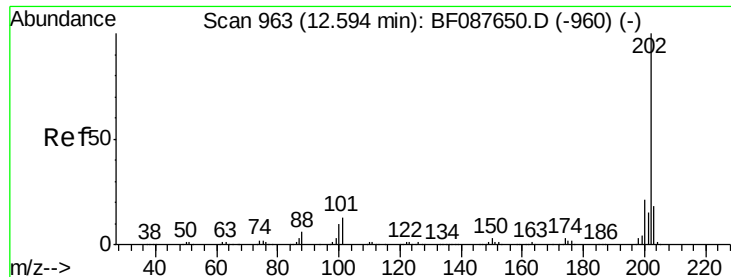
#66
 4-Bromophenyl-phenylether
 Concen: 2.66 ng
 RT: 10.68 min Scan# 796
 Delta R.T. -0.25 min
 Lab File: BF087740.D
 Acq: 6 Jun 2016 7:20

Tgt Ion:248 Resp: 10144
 Ion Ratio Lower Upper
 248 100
 250 196.5 77.1 115.7#
 141 623.0 50.6 76.0#



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





#74

Fluoranthene

Concen: 2.63 ng

RT: 12.59 min Scan# 963

Delta R.T. 0.00 min

Lab File: BF087740.D

Acq: 6 Jun 2016 7:20

Instrument :

BNA_F

ClientSampleId :

U5-B2(0-10)C

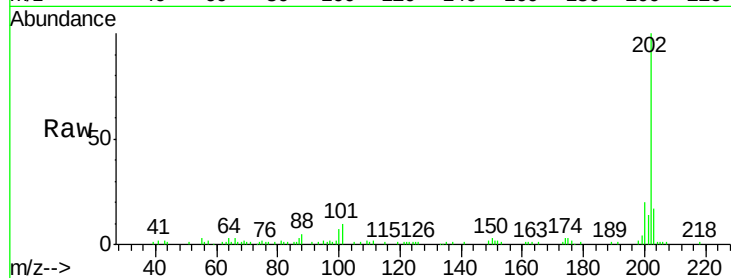
Tgt Ion:202 Resp: 54024

Ion Ratio Lower Upper

202 100

101 10.1 0.0 33.1

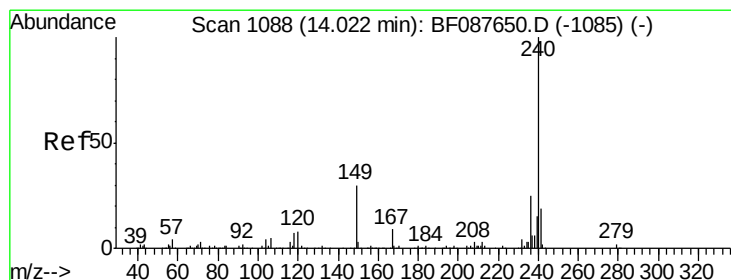
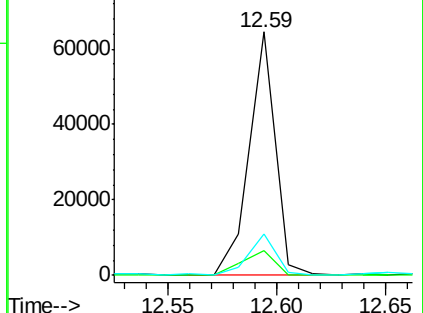
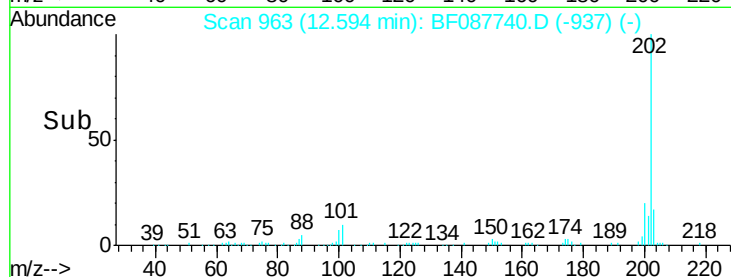
203 17.1 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BF087740.D

Acq: 6 Jun 2016 7:20

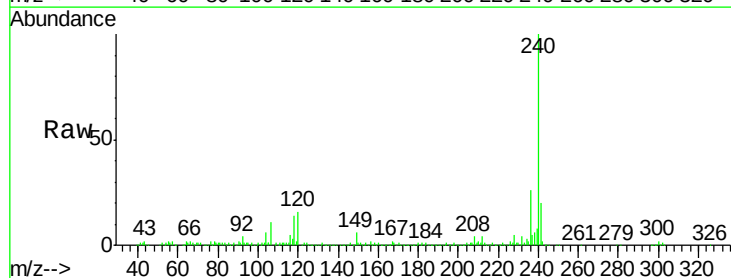
Tgt Ion:240 Resp: 275482

Ion Ratio Lower Upper

240 100

120 16.3 6.8 10.2#

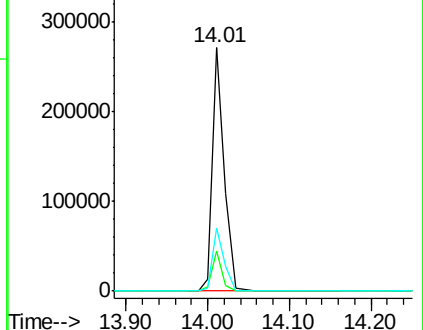
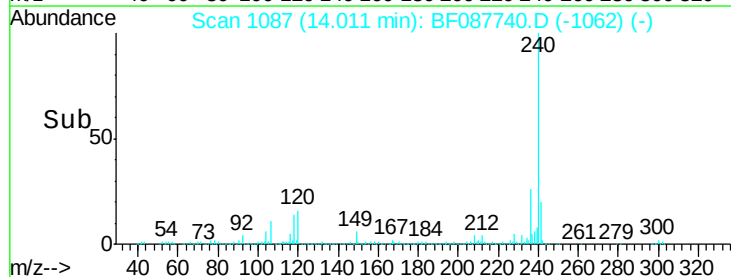
236 26.1 20.2 30.2

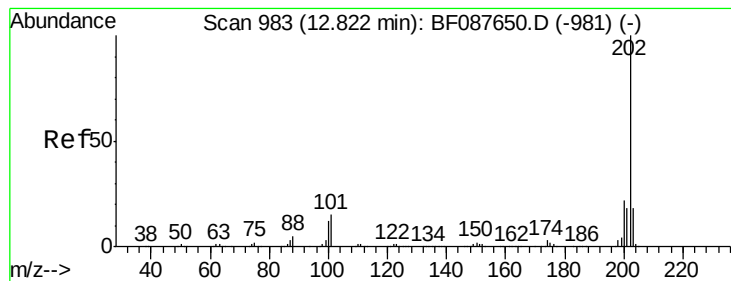


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.55 ng

RT: 12.82 min Scan# 983

Delta R.T. 0.00 min

Lab File: BF087740.D

Acq: 6 Jun 2016 7:20

Instrument :

BNA_F

ClientSampleId :

U5-B2(0-10)C

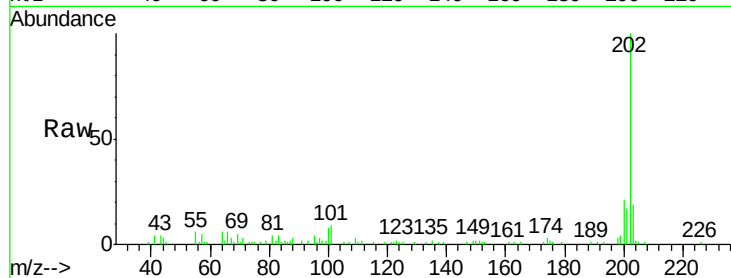
Tgt Ion: 202 Resp: 50025

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

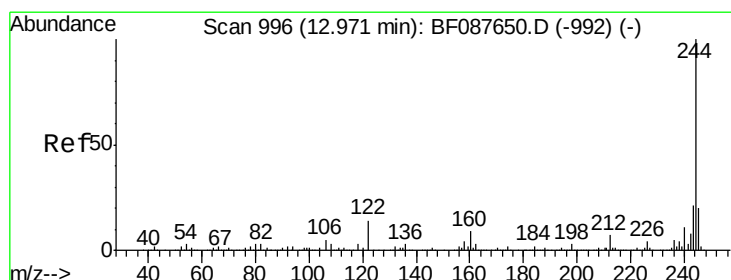
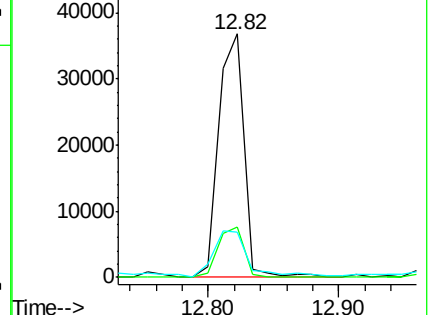
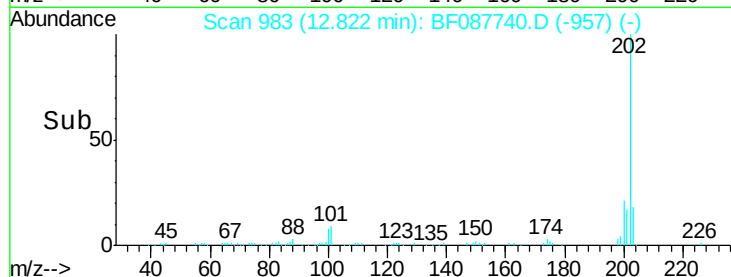
203 18.6 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 60.70 ng

RT: 12.97 min Scan# 996

Delta R.T. 0.00 min

Lab File: BF087740.D

Acq: 6 Jun 2016 7:20

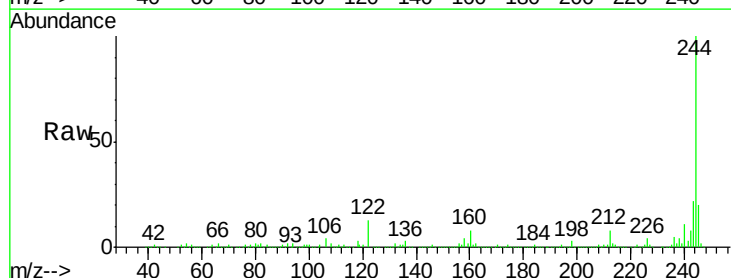
Tgt Ion: 244 Resp: 685288

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

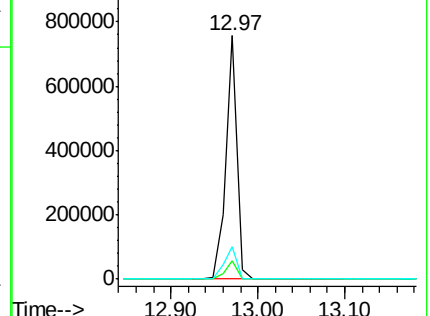
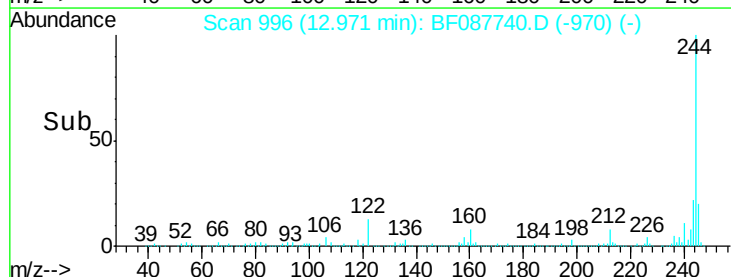
122 13.1 11.2 16.8

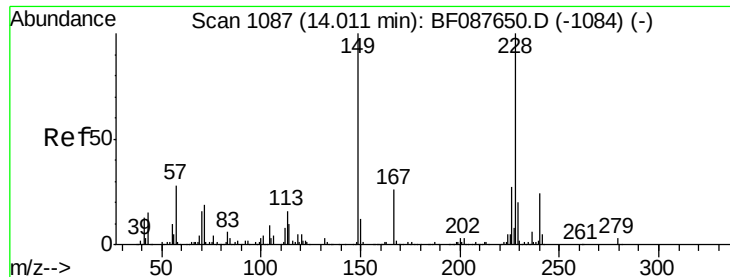


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

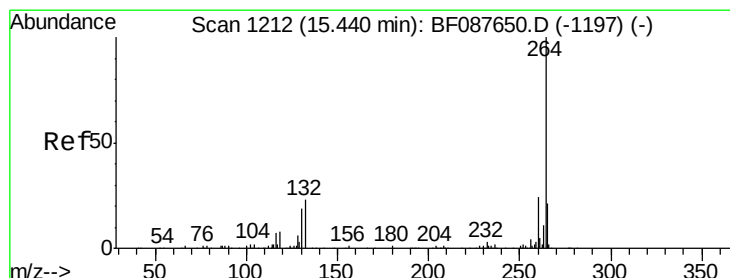
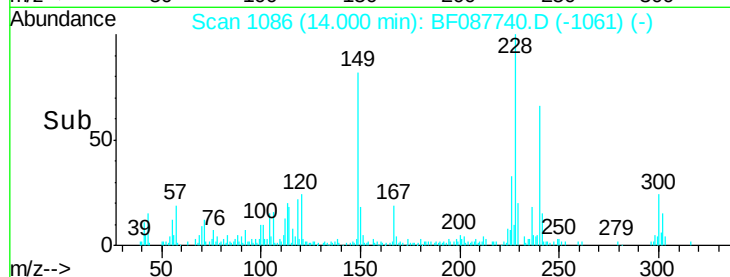
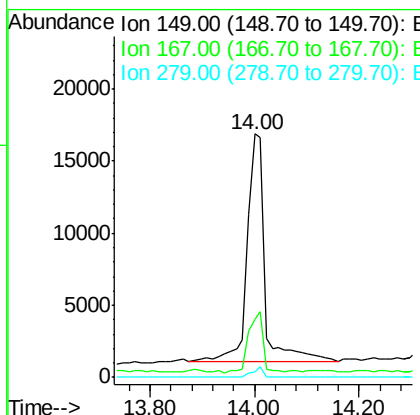
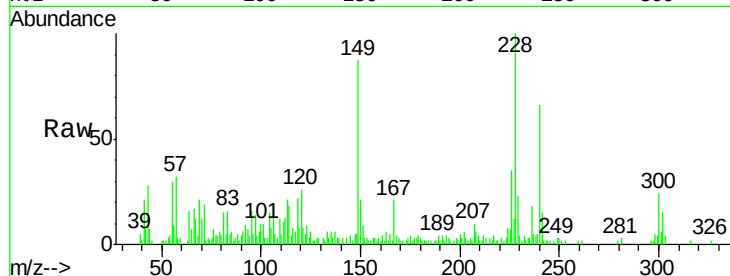




#83
Bis(2-ethylhexyl)phthalate
Concen: 3.78 ng
RT: 14.00 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BF087740.D
Acq: 6 Jun 2016 7:20

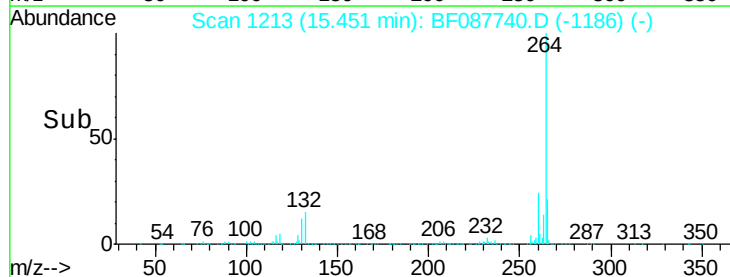
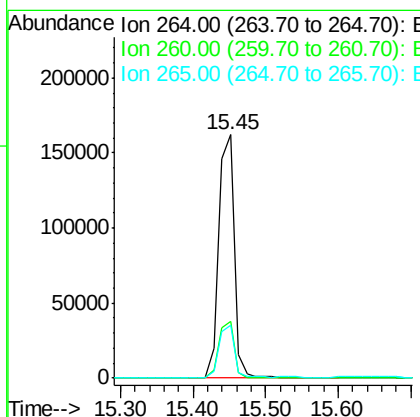
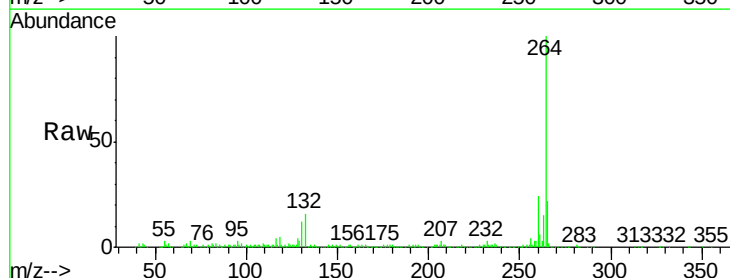
Instrument :
BNA_F
ClientSampleId :
U5-B2(0-10)C

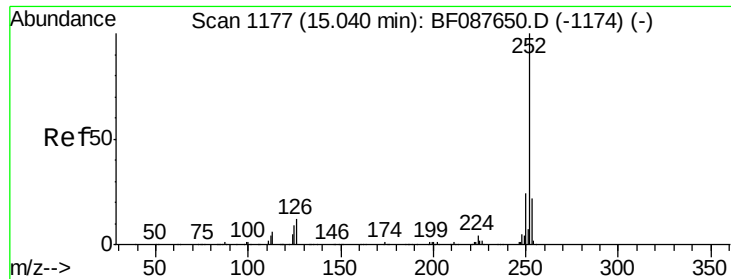
Tgt Ion:149 Resp: 37532
Ion Ratio Lower Upper
149 100
167 24.0 20.5 30.7
279 2.5 2.0 3.0



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1213
Delta R.T. 0.01 min
Lab File: BF087740.D
Acq: 6 Jun 2016 7:20

Tgt Ion:264 Resp: 243060
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.7 16.9 25.3

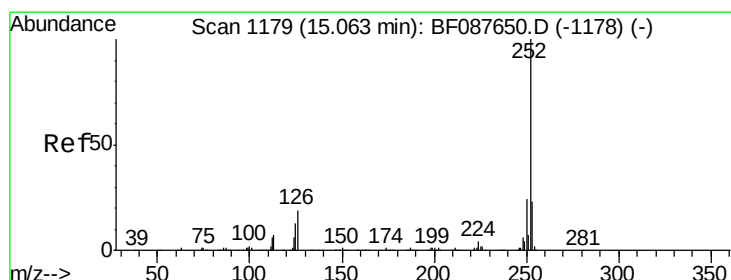
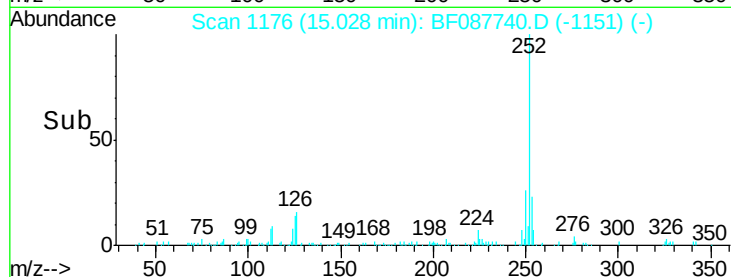
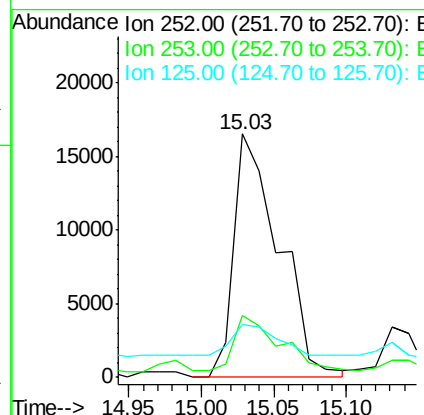
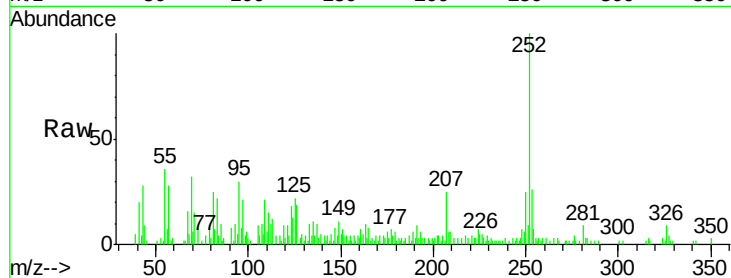




#87
Benzo(b)fluoranthene
Concen: 2.26 ng
RT: 15.03 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF087740.D
Acq: 6 Jun 2016 7:20

Instrument :
BNA_F
ClientSampleId :
U5-B2(0-10)C

Tgt Ion:252 Resp: 35750
Ion Ratio Lower Upper
252 100
253 25.6 17.4 26.2
125 21.8 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 2.72 ng
RT: 15.03 min Scan# 1176
Delta R.T. -0.03 min
Lab File: BF087740.D
Acq: 6 Jun 2016 7:20

Tgt Ion:252 Resp: 35750
Ion Ratio Lower Upper
252 100
253 25.6 18.0 27.0
125 21.8 11.2 16.8#

