

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
 Data File : BF087070.D
 Acq On : 15 May 2016 15:28
 Operator : UM/SJ
 Sample : H3038-01
 Misc :
 ALS Vial : 89 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WEST-ABOUTMENT-N.SIDE

Quant Time: May 16 04:58:16 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

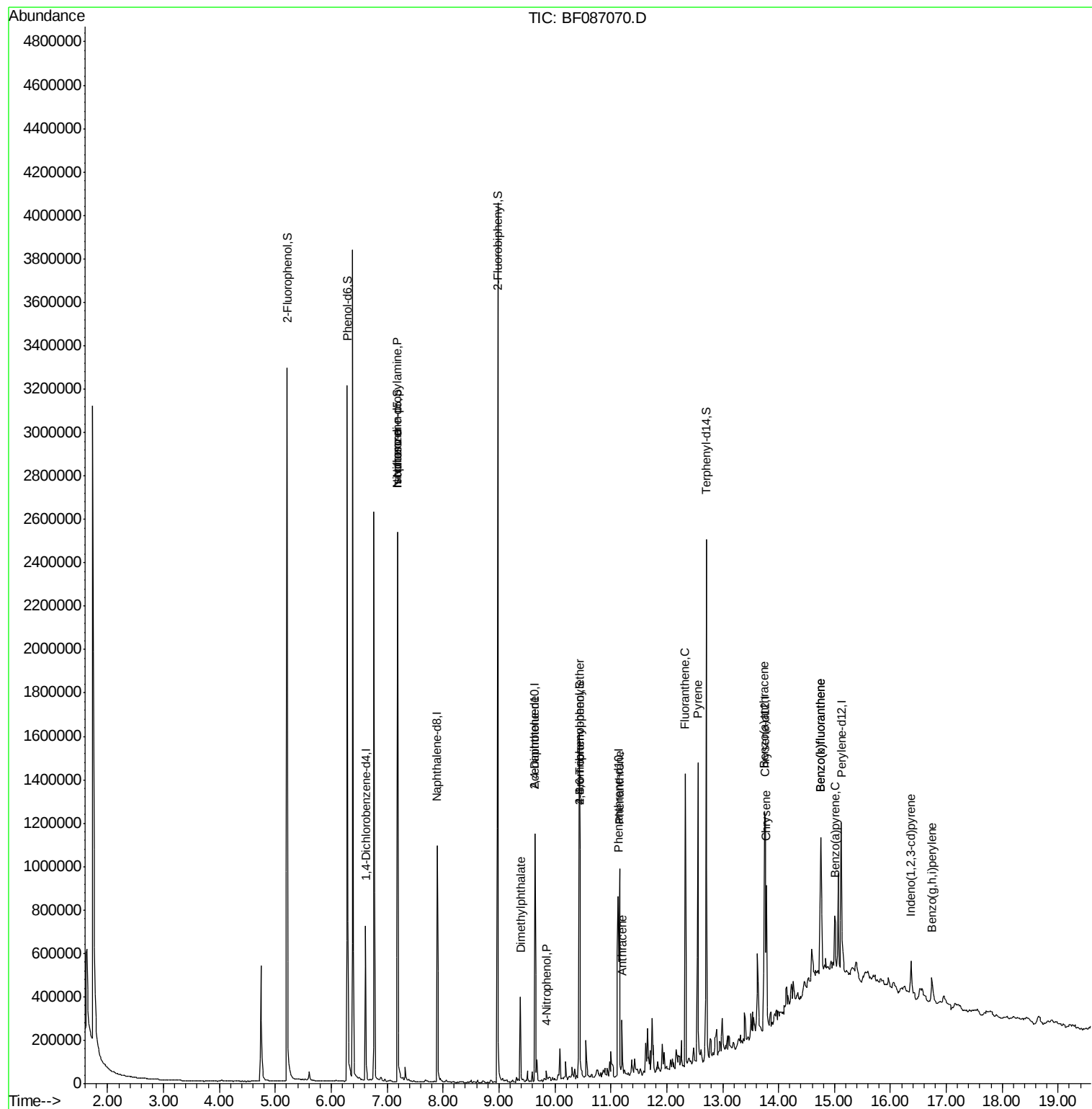
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	130160	20.00	ng	-0.08
21) Naphthalene-d8	7.90	136	529436	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	229894	20.00	ng	-0.09
63) Phenanthrene-d10	11.13	188	377857	20.00	ng	-0.08
75) Chrysene-d12	13.76	240	310943	20.00	ng	-0.08
86) Perylene-d12	15.12	264	287077	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	847870	110.32	ng	-0.08
7) Phenol-d6	6.28	99	1019652	99.27	ng	-0.08
23) Nitrobenzene-d5	7.19	82	751756	71.30	ng	-0.08
41) 2,4,6-Tribromophenol	10.44	330	225270	92.56	ng	-0.08
44) 2-Fluorobiphenyl	8.98	172	1163861	85.08	ng	-0.08
78) Terphenyl-d14	12.71	244	758432	51.75	ng	-0.09
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.19	70	107869	15.03	ng	# 71
25) Isophorone	7.19	82	755433	38.62	ng	# 68
49) Dimethylphthalate	9.38	163	141037	8.04	ng	99
55) 4-Nitrophenol	9.85	139	5419	6.53	ng	# 24
56) 2,4-Dinitrotoluene	9.64	165	30767	6.74	ng	# 16
66) 4-Bromophenyl-phenylether	10.44	248	13401	3.50	ng	# 1
70) Phenanthrene	11.15	178	417933	20.73	ng	99
71) Anthracene	11.20	178	103410	5.01	ng	99
74) Fluoranthene	12.33	202	543318	26.20	ng	99
77) Pyrene	12.56	202	532707	22.38	ng	99
80) Benzo(a)anthracene	13.75	228	320068	18.34	ng	99
82) Chrysene	13.78	228	197282	11.11	ng	98
85) Indeno(1,2,3-cd)pyrene	16.37	276	99402	6.73	ng	# 86
87) Benzo(b)fluoranthene	14.75	252	413999	22.19	ng	97
88) Benzo(k)fluoranthene	14.75	252	413999	27.10	ng	98
89) Benzo(a)pyrene	15.02	252	132438	8.23	ng	95
91) Benzo(g,h,i)perylene	16.74	276	82263	5.97	ng	95

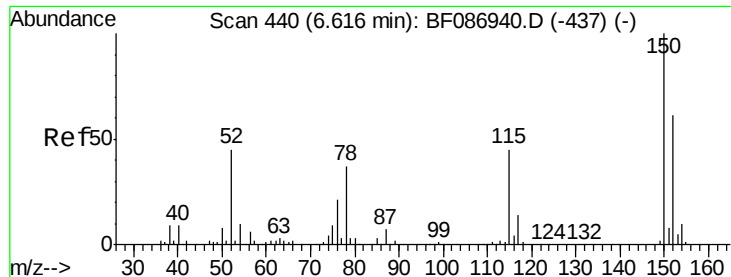
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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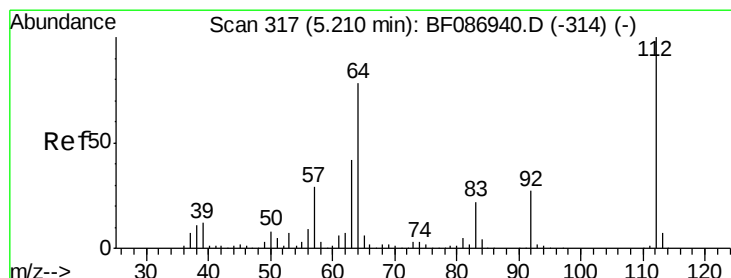
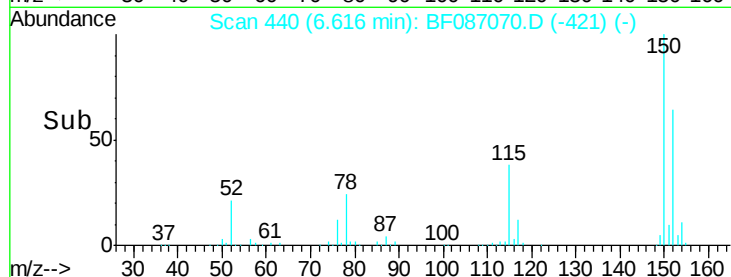
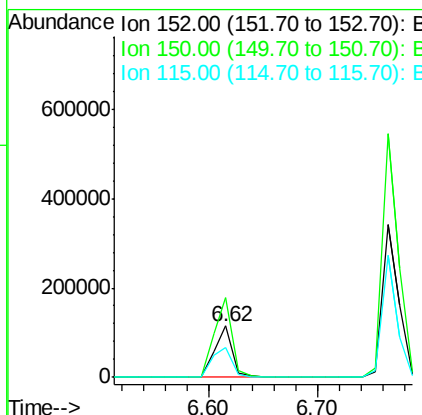
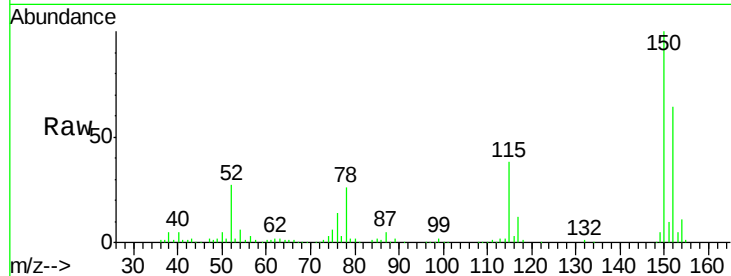




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.62 min Scan# 440
 Delta R.T. -0.08 min
 Lab File: BF087070.D
 Acq: 15 May 2016 15:28

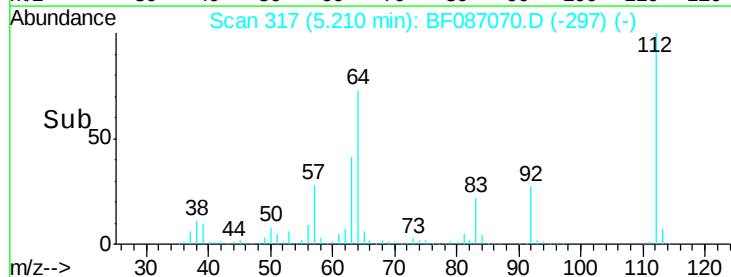
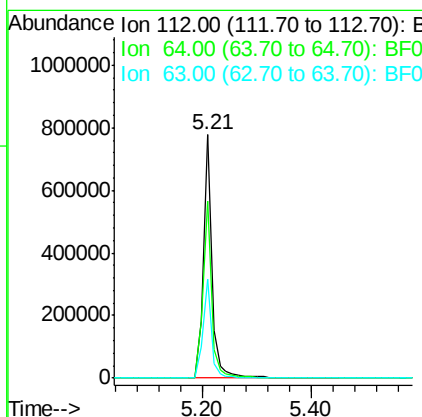
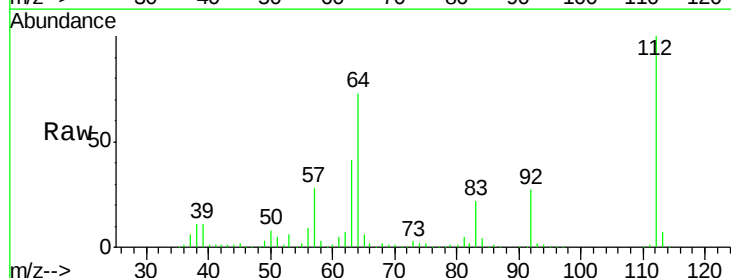
Instrument :
 BNA_F
 ClientSampleId :
 WEST-ABOUTMENT-N.SIDE

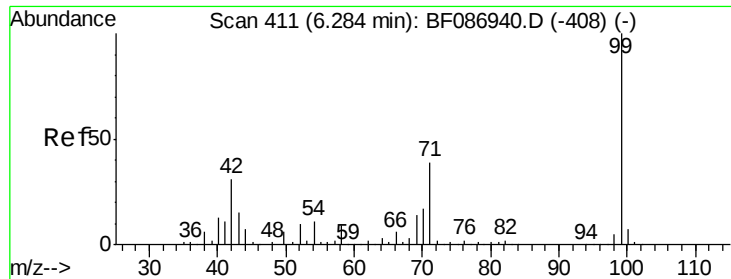
Tgt Ion:152 Resp: 130160
 Ion Ratio Lower Upper
 152 100
 150 155.5 125.8 188.6
 115 58.6 51.5 77.3



#5
 2-Fluorophenol
 Concen: 110.32 ng
 RT: 5.21 min Scan# 317
 Delta R.T. -0.08 min
 Lab File: BF087070.D
 Acq: 15 May 2016 15:28

Tgt Ion:112 Resp: 847870
 Ion Ratio Lower Upper
 112 100
 64 72.8 52.1 78.1
 63 40.5 25.7 38.5#





#7

Phenol-d6

Concen: 99.27 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF087070.D

Acq: 15 May 2016 15:28

Instrument :

BNA_F

ClientSampleId :

WEST-ABOUTMENT-N.SIDE

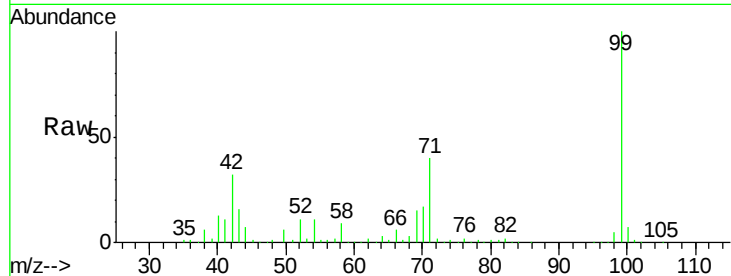
Tgt Ion: 99 Resp: 1019652

Ion Ratio Lower Upper

99 100

42 31.8 13.6 20.4#

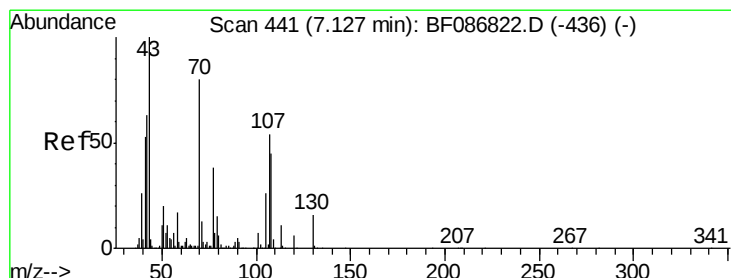
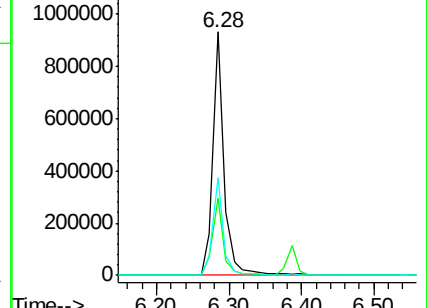
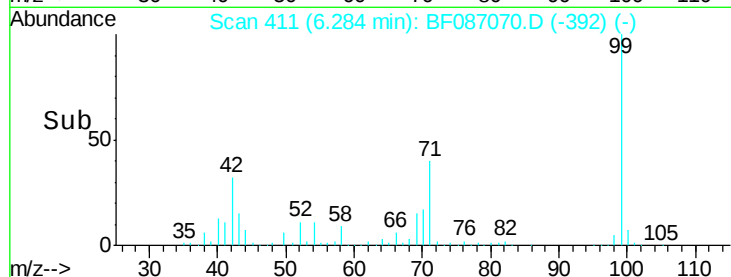
71 40.4 24.6 36.8#



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: 15.03 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.06 min

Lab File: BF087070.D

Acq: 15 May 2016 15:28

Tgt Ion: 70 Resp: 107869

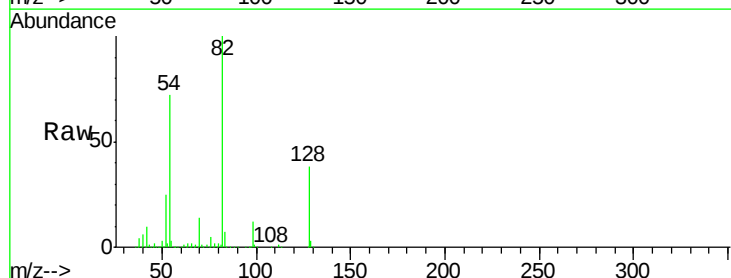
Ion Ratio Lower Upper

70 100

42 70.4 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

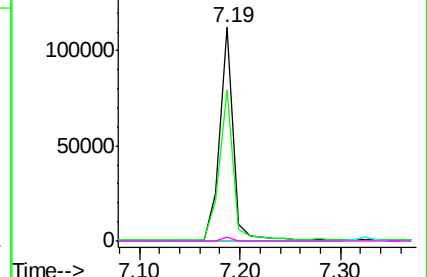
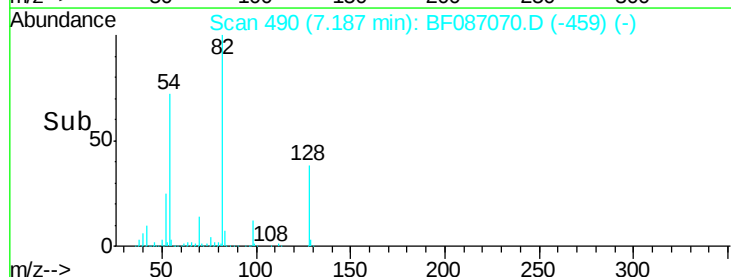


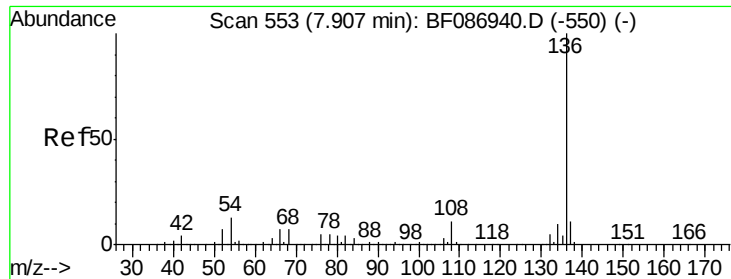
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

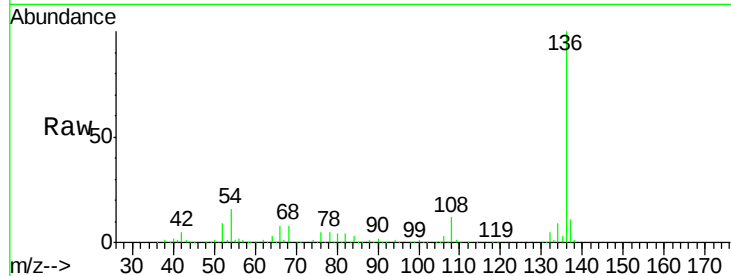




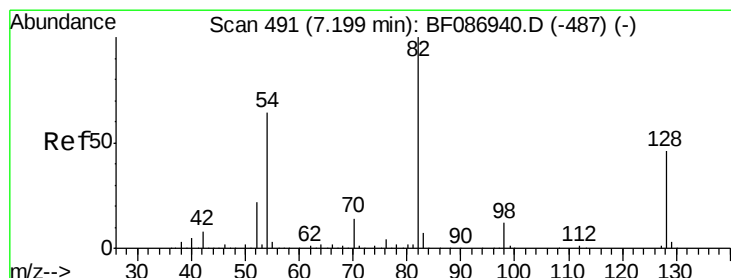
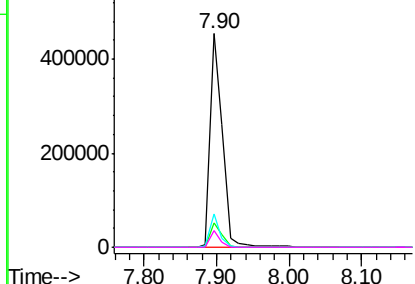
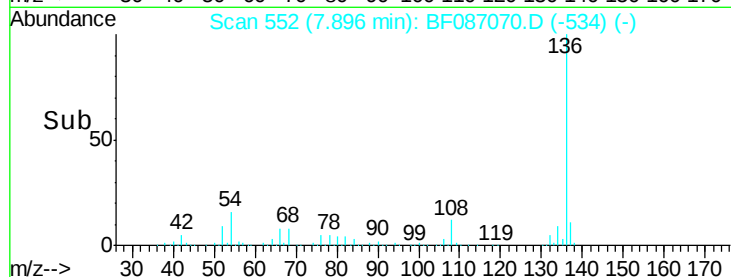
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087070.D
Acq: 15 May 2016 15:28

Instrument :
BNA_F
ClientSampleId :
WEST-ABOUTMENT-N.SIDE

Tgt Ion:	136	Resp:	529436
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	15.7	5.0	7.4#
68	7.8	4.4	6.6#

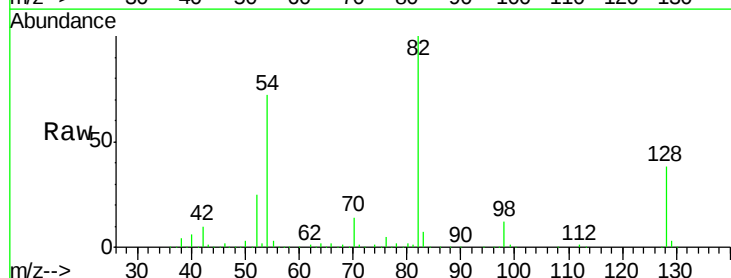


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

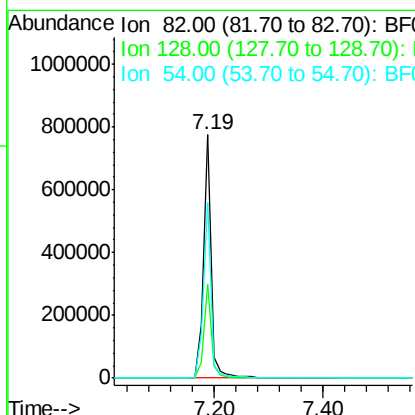
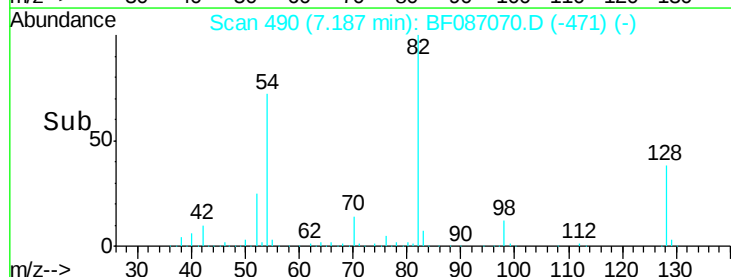


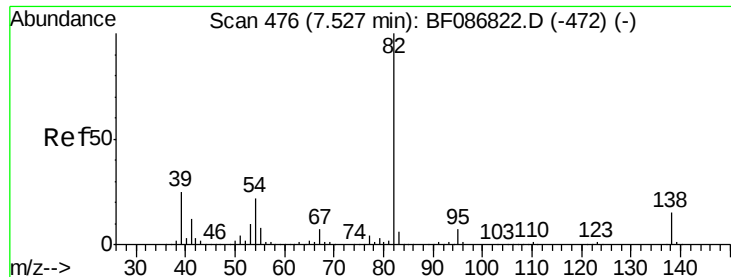
#23
Nitrobenzene-d5
Concen: 71.30 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.08 min
Lab File: BF087070.D
Acq: 15 May 2016 15:28

Tgt Ion:	82	Resp:	751756
Ion	Ratio	Lower	Upper
82	100		
128	38.3	40.6	61.0#
54	72.0	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

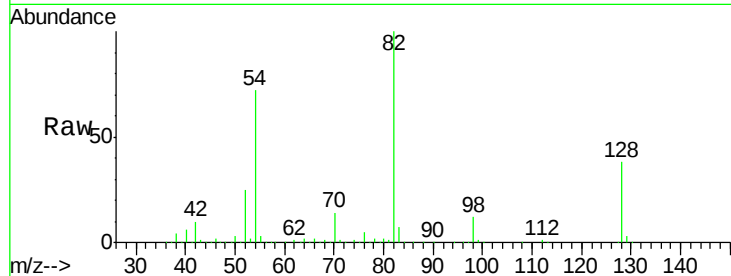




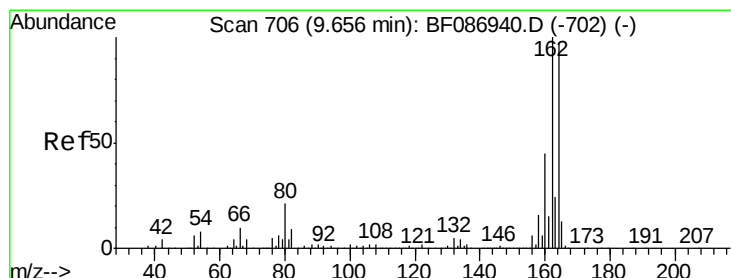
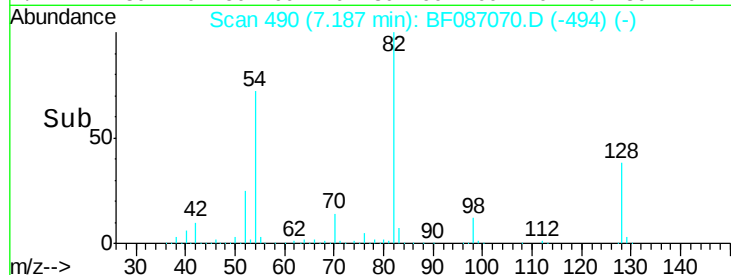
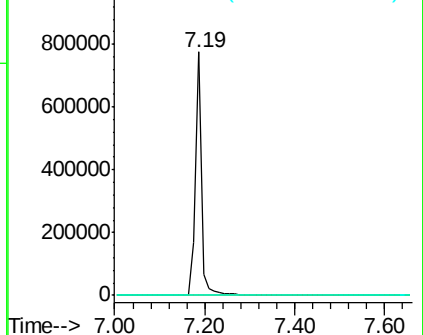
#25
Isophorone
Concen: 38.62 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.34 min
Lab File: BF087070.D
Acq: 15 May 2016 15:28

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BNA_F
ClientSampleId :
WEST-ABOUTMENT-N.SIDE

Tgt Ion: 82 Resp: 755433
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.4 18.6#

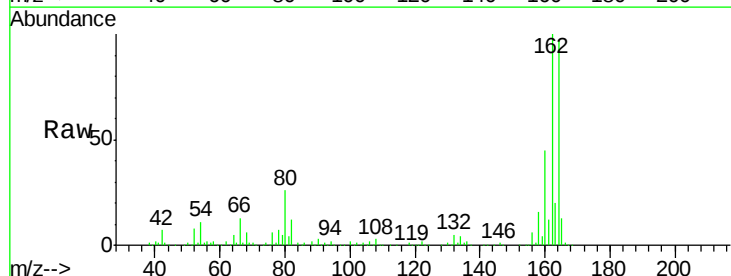


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

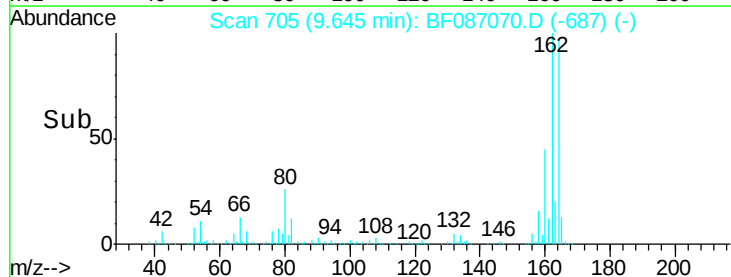
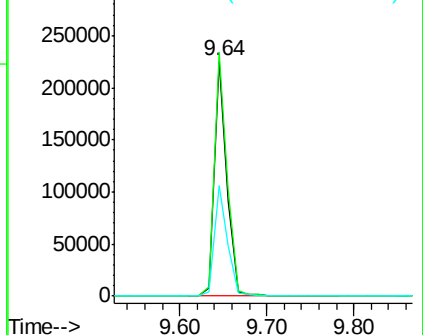


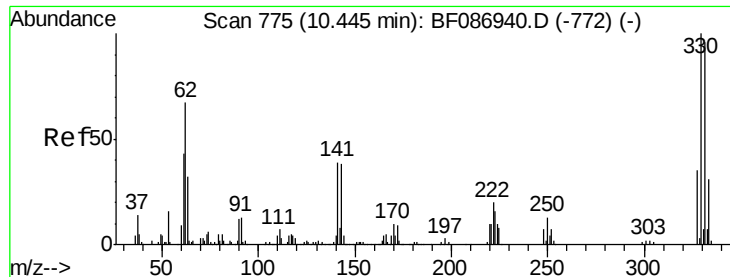
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.09 min
Lab File: BF087070.D
Acq: 15 May 2016 15:28

Tgt Ion: 164 Resp: 229894
Ion Ratio Lower Upper
164 100
162 103.6 82.8 124.2
160 47.0 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

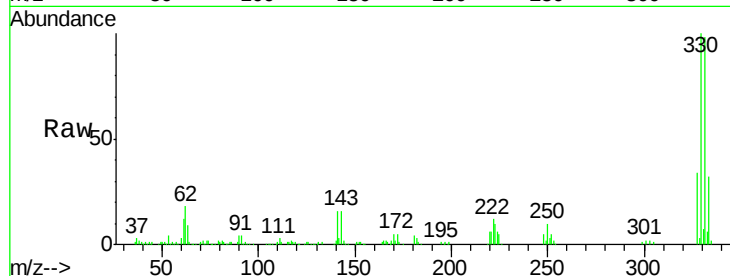




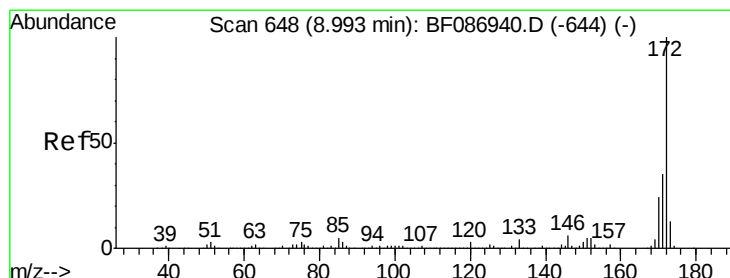
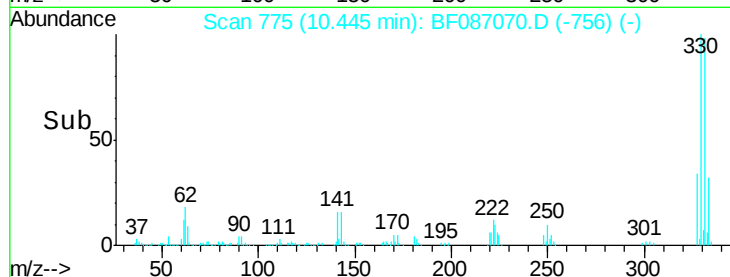
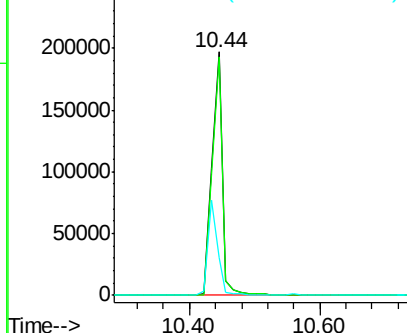
#41
 2,4,6-Tribromophenol
 Concen: 92.56 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.08 min
 Lab File: BF087070.D
 Acq: 15 May 2016 15:28

Instrument :
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 WEST-ABOUTMENT-N.SIDE

Tgt Ion:330 Resp: 225270
 Ion Ratio Lower Upper
 330 100
 332 96.9 79.0 118.4
 141 36.4 31.2 46.8

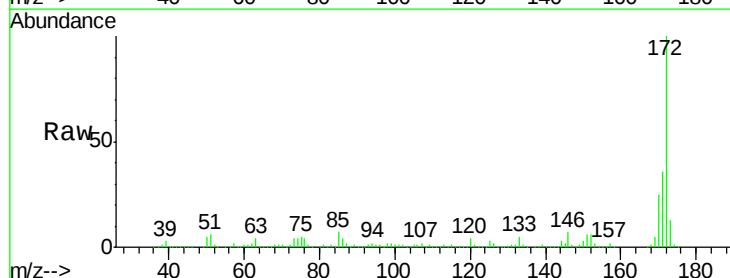


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

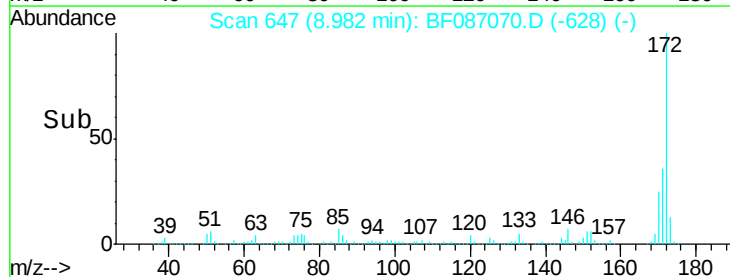
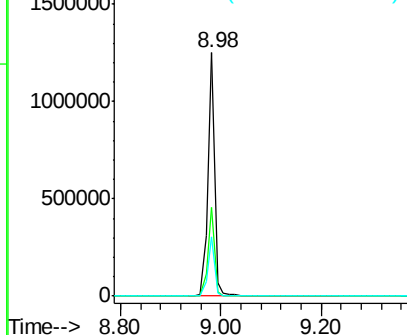


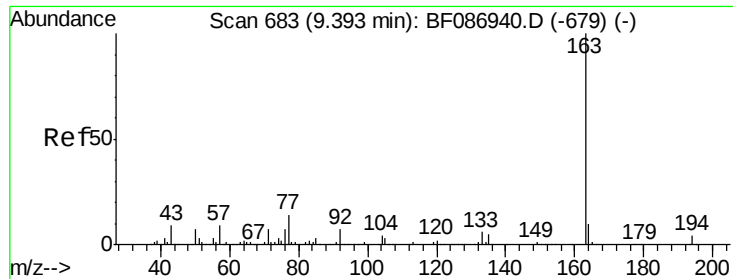
#44
 2-Fluorobiphenyl
 Concen: 85.08 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087070.D
 Acq: 15 May 2016 15:28

Tgt Ion:172 Resp: 1163861
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.0 43.6
 170 24.6 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

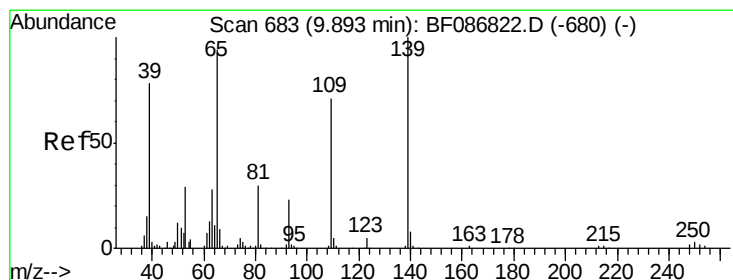
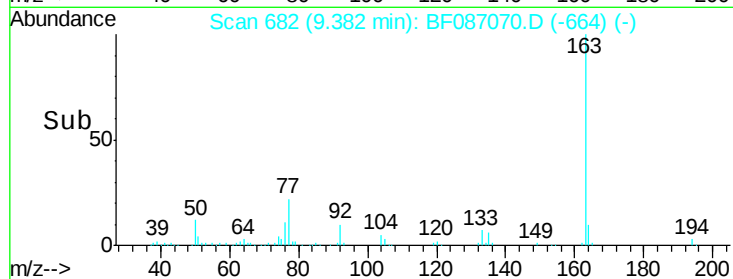
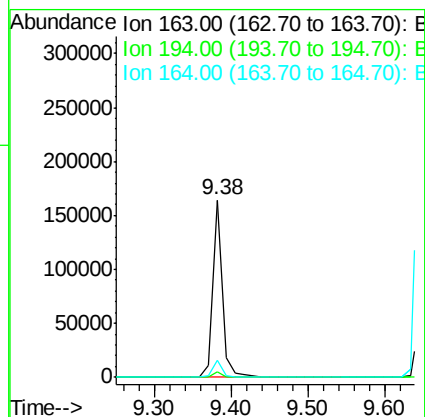
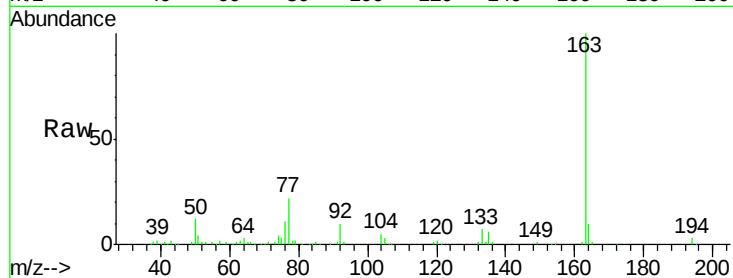




#49
Dimethylphthalate
Concen: 8.04 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.09 min
Lab File: BF087070.D
Acq: 15 May 2016 15:28

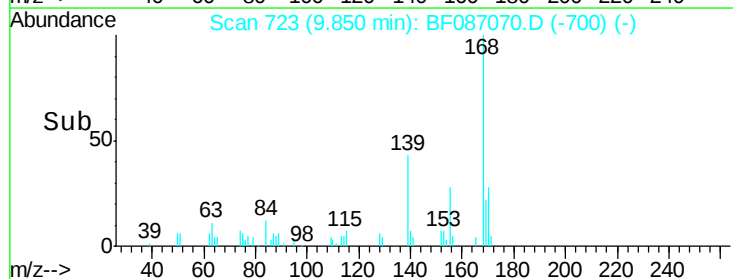
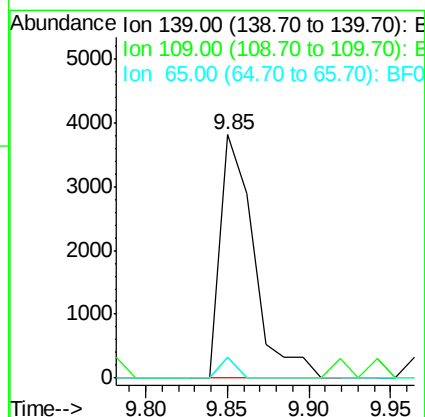
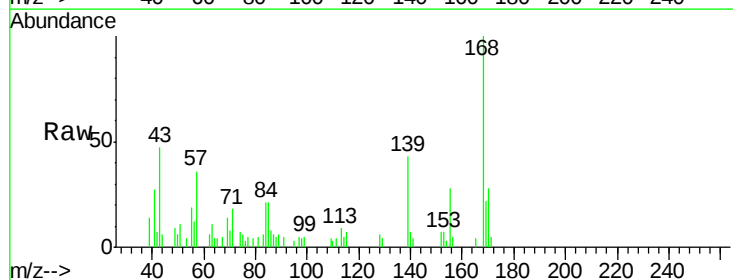
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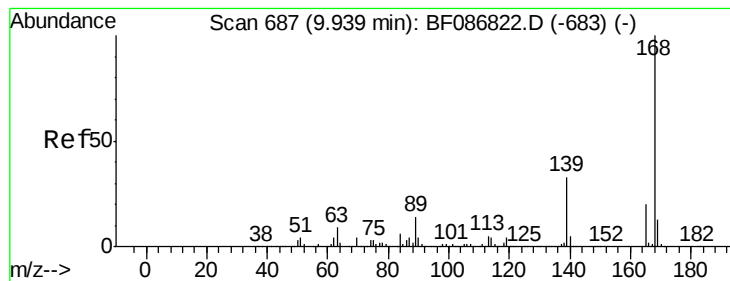
Tgt Ion:163 Resp: 141037
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 9.7 8.2 12.4



#55
4-Nitrophenol
Concen: 6.53 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.04 min
Lab File: BF087070.D
Acq: 15 May 2016 15:28

Tgt Ion:139 Resp: 5419
Ion Ratio Lower Upper
139 100
109 8.7 36.9 76.9#
65 8.8 64.0 104.0#





#56

2,4-Dinitrotoluene

Concen: 6.74 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.29 min

Lab File: BF087070.D

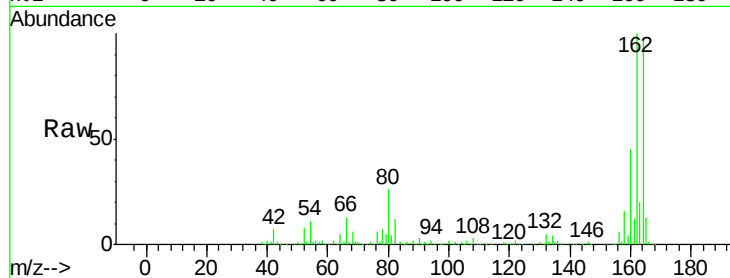
Acq: 15 May 2016 15:28

Instrument :

BNA_F

ClientSampleId :

WEST-ABOUTMENT-N.SIDE



Tgt Ion:165 Resp: 30767

Ion Ratio Lower Upper

165 100

63 2.1 44.3 66.5#

89 2.0 70.0 105.0#

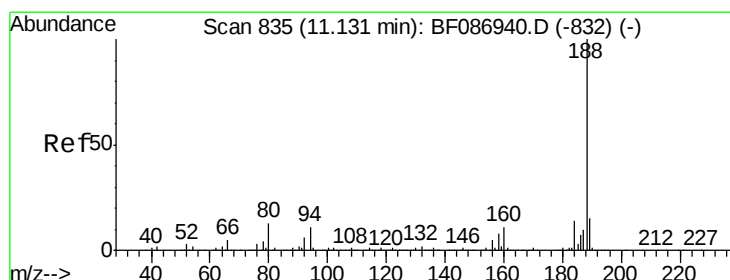
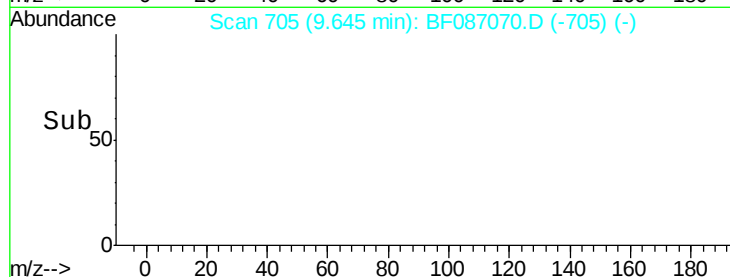
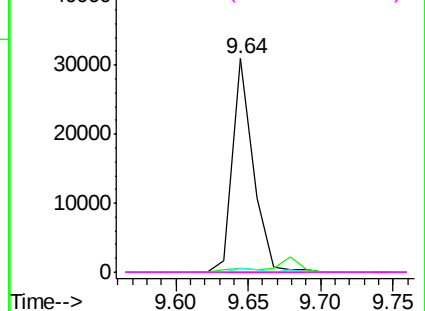
182 0.0 1.8 2.6#

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.08 min

Lab File: BF087070.D

Acq: 15 May 2016 15:28

Tgt Ion:188 Resp: 377857

Ion Ratio Lower Upper

188 100

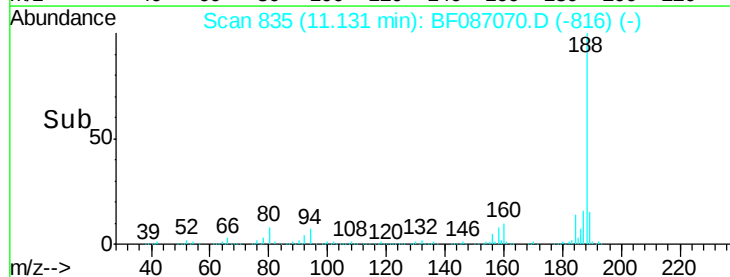
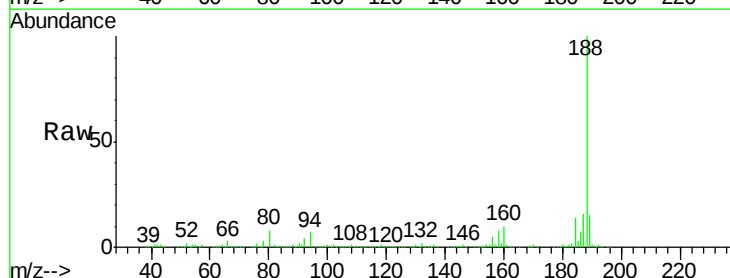
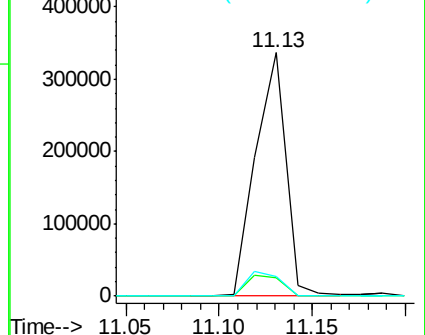
94 7.4 6.8 10.2

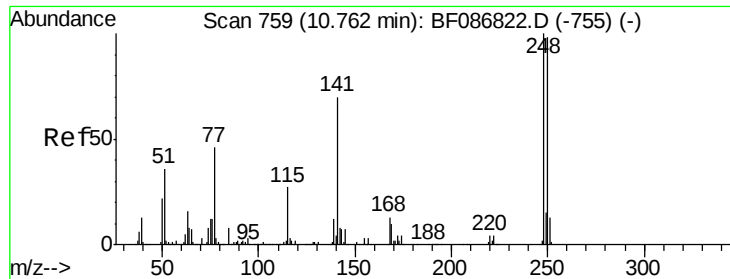
80 7.9 7.1 10.7

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

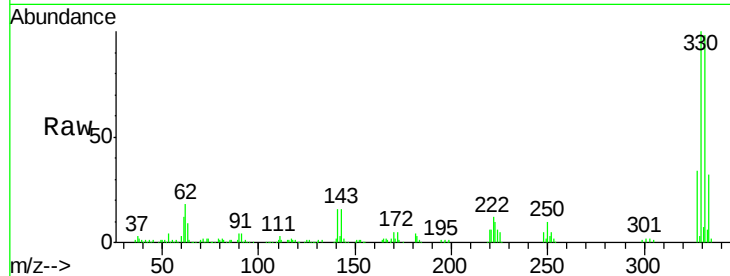




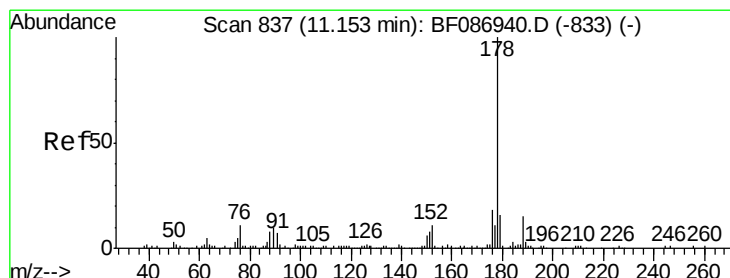
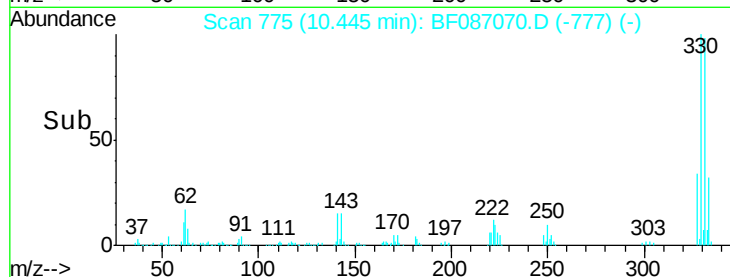
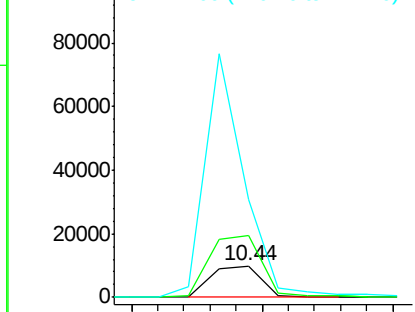
#66
 4-Bromophenyl-phenylether
 Concen: 3.50 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.32 min
 Lab File: BF087070.D
 Acq: 15 May 2016 15:28

Instrument :
 BNA_F
 ClientSampleId :
 WEST-ABOUTMENT-N.SIDE

Tgt Ion:248 Resp: 13401
 Ion Ratio Lower Upper
 248 100
 250 200.2 78.6 117.8#
 141 312.7 76.0 114.0#

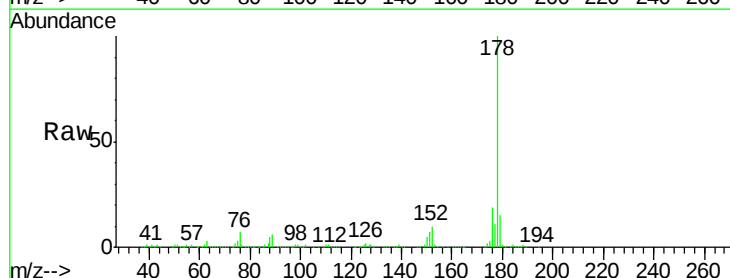


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

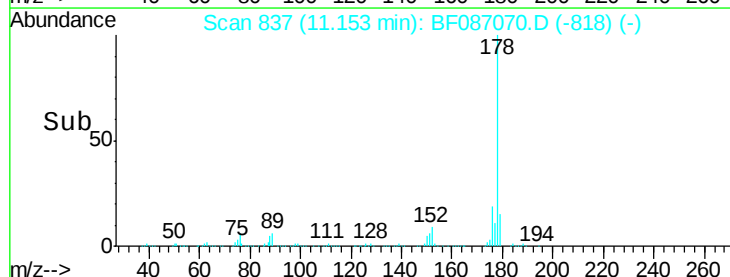
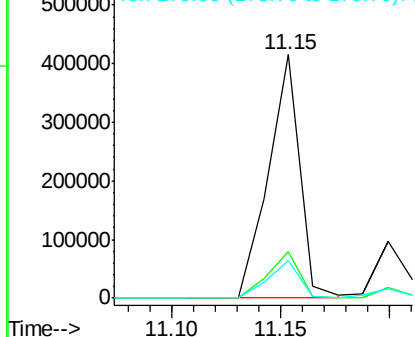


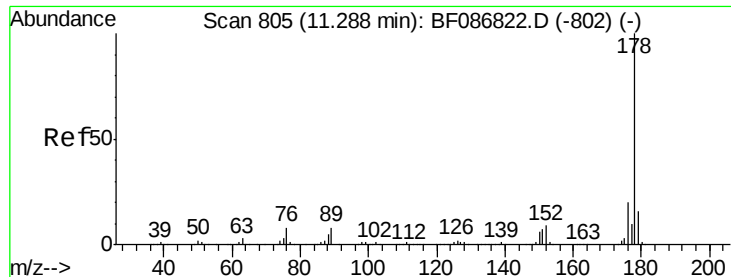
#70
 Phenanthrene
 Concen: 20.73 ng
 RT: 11.15 min Scan# 837
 Delta R.T. -0.08 min
 Lab File: BF087070.D
 Acq: 15 May 2016 15:28

Tgt Ion:178 Resp: 417933
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.0 24.0
 179 15.3 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 5.01 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.09 min

Lab File: BF087070.D

Acq: 15 May 2016 15:28

Instrument :

BNA_F

ClientSampleId :

WEST-ABOUTMENT-N.SIDE

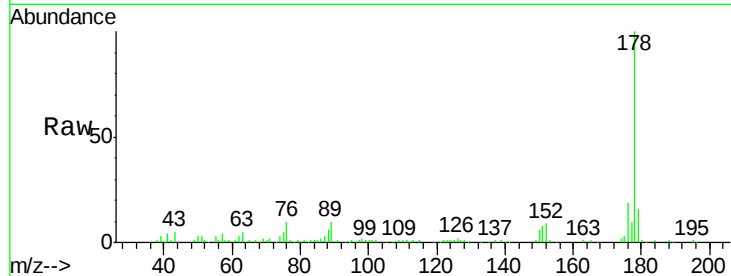
Tgt Ion:178 Resp: 103410

Ion Ratio Lower Upper

178 100

176 18.6 15.6 23.4

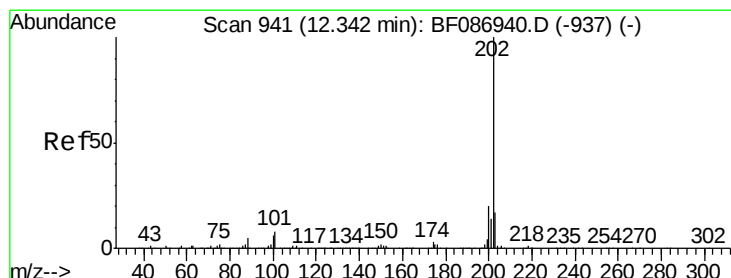
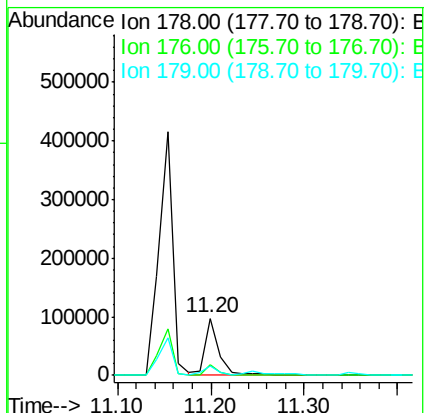
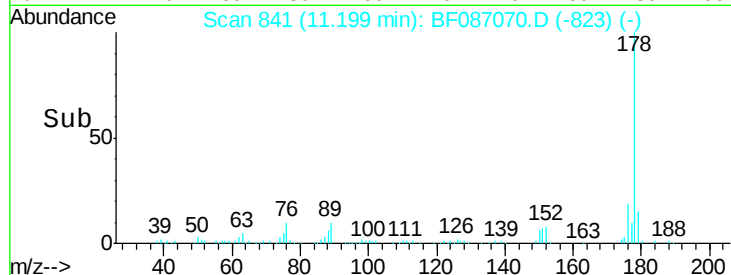
179 15.7 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 26.20 ng

RT: 12.33 min Scan# 940

Delta R.T. -0.09 min

Lab File: BF087070.D

Acq: 15 May 2016 15:28

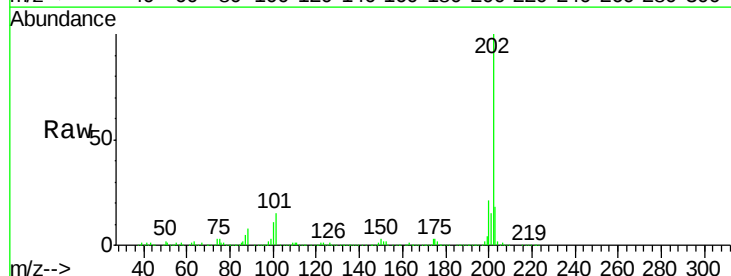
Tgt Ion:202 Resp: 543318

Ion Ratio Lower Upper

202 100

101 14.6 0.0 35.4

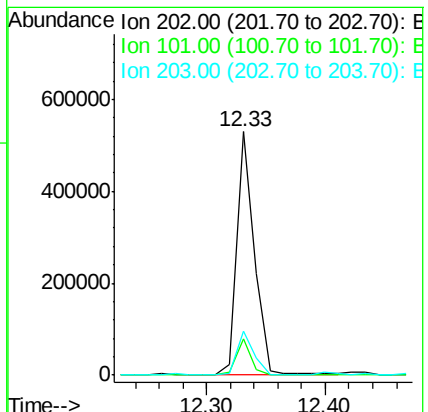
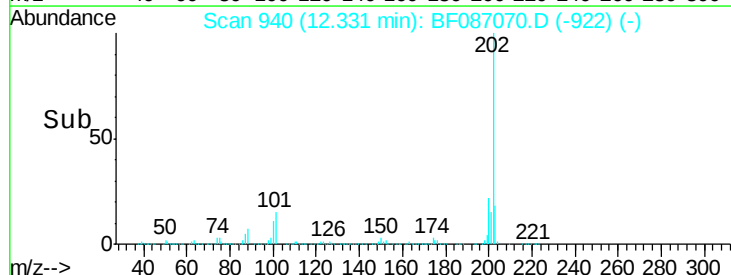
203 17.9 0.0 38.1

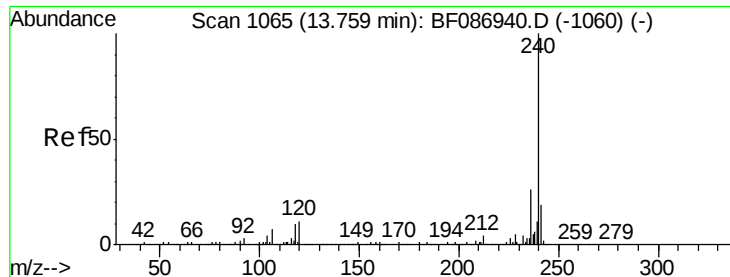


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.76 min Scan# 1065

Delta R.T. -0.08 min

Lab File: BF087070.D

Acq: 15 May 2016 15:28

Instrument :

BNA_F

ClientSampleId :

WEST-ABOUTMENT-N.SIDE

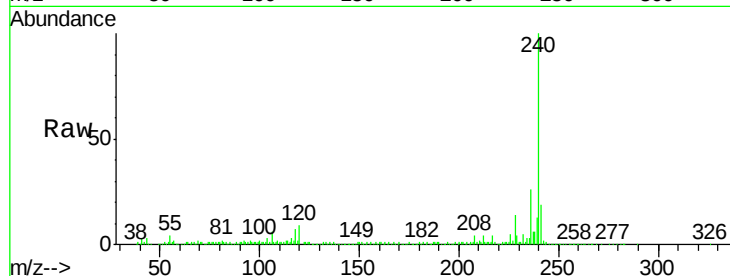
Tgt Ion:240 Resp: 310943

Ion Ratio Lower Upper

240 100

120 8.5 11.2 16.8#

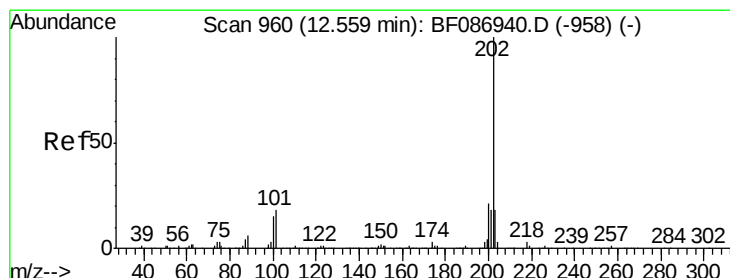
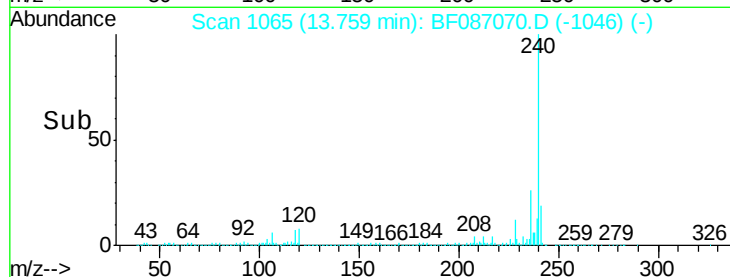
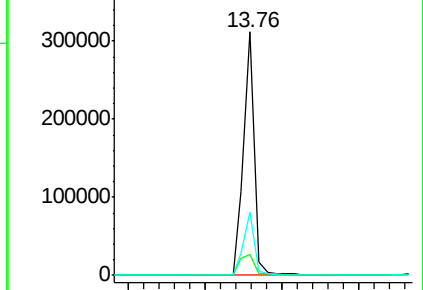
236 26.1 21.2 31.8



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



#77

Pyrene

Concen: 22.38 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.08 min

Lab File: BF087070.D

Acq: 15 May 2016 15:28

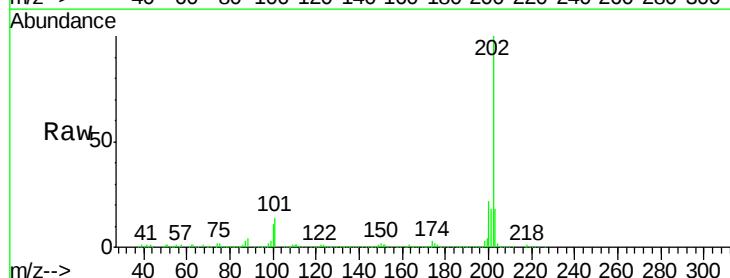
Tgt Ion:202 Resp: 532707

Ion Ratio Lower Upper

202 100

200 21.6 17.7 26.5

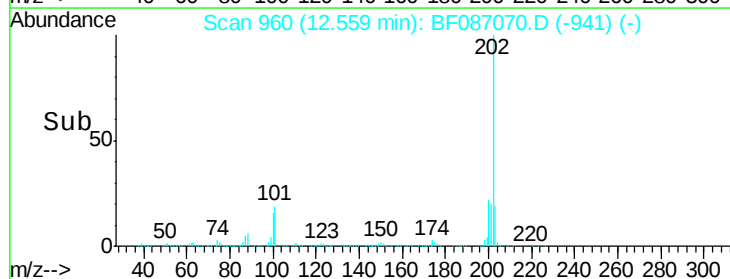
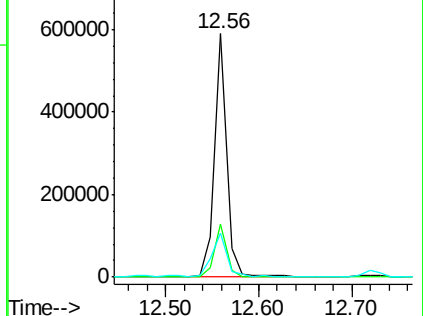
203 18.0 14.2 21.4

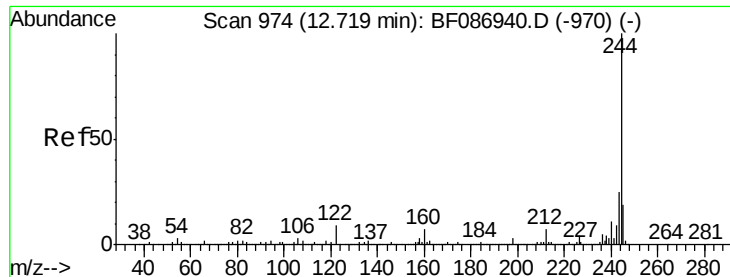


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

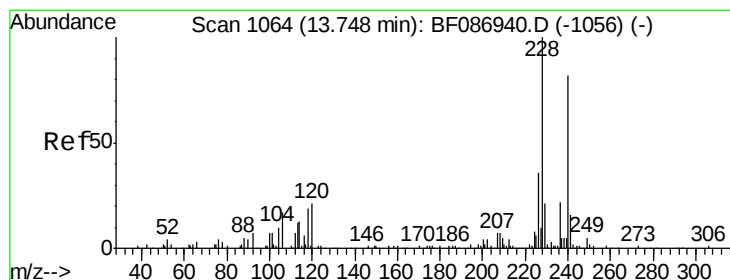
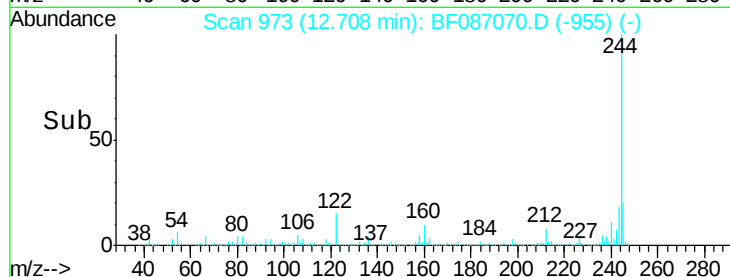
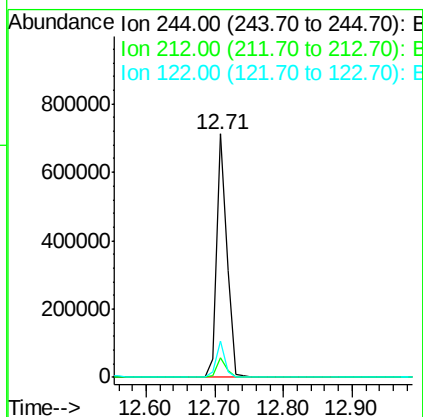
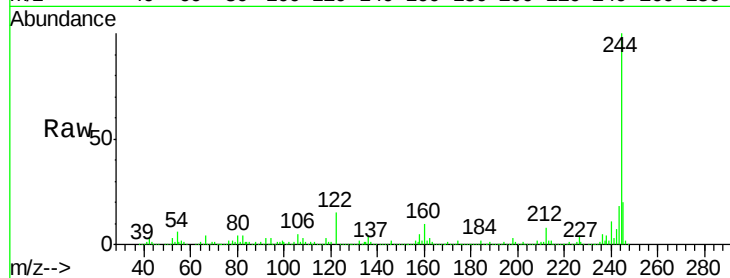




#78
 Terphenyl-d14
 Concen: 51.75 ng
 RT: 12.71 min Scan# 973
 Delta R.T. -0.09 min
 Lab File: BF087070.D
 Acq: 15 May 2016 15:28

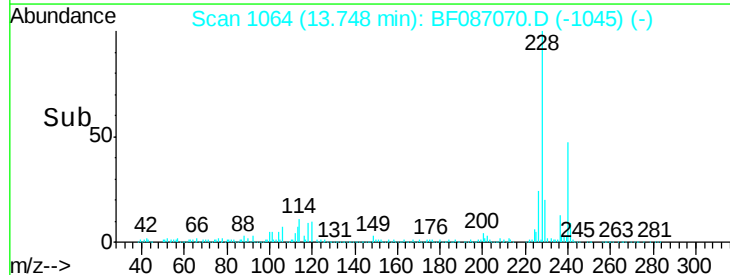
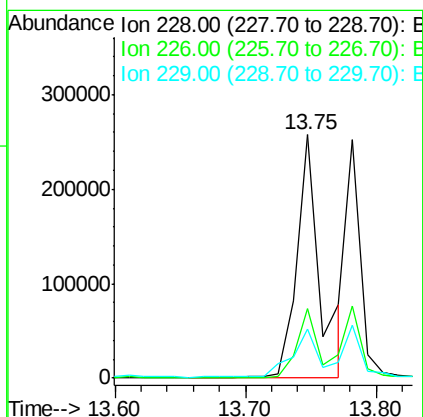
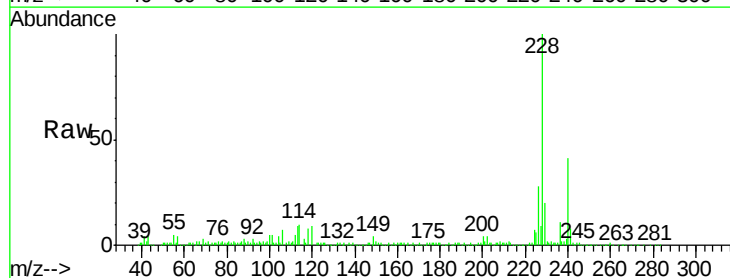
Instrument :
 BNA_F
 ClientSampleId :
 WEST-ABOUTMENT-N.SIDE

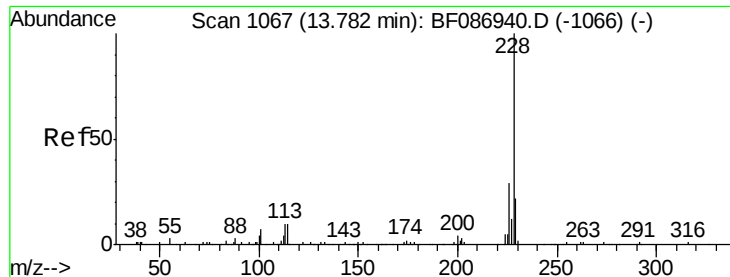
Tgt Ion:244 Resp: 758432
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.2 9.2
 122 14.7 12.0 18.0



#80
 Benzo(a)anthracene
 Concen: 18.34 ng
 RT: 13.75 min Scan# 1064
 Delta R.T. -0.08 min
 Lab File: BF087070.D
 Acq: 15 May 2016 15:28

Tgt Ion:228 Resp: 320068
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.5 33.7
 229 20.4 16.6 25.0





#82

Chrysene

Concen: 11.11 ng

RT: 13.78 min Scan# 1067

Delta R.T. -0.08 min

Lab File: BF087070.D

Acq: 15 May 2016 15:28

Instrument :

BNA_F

ClientSampleId :

WEST-ABOUTMENT-N.SIDE

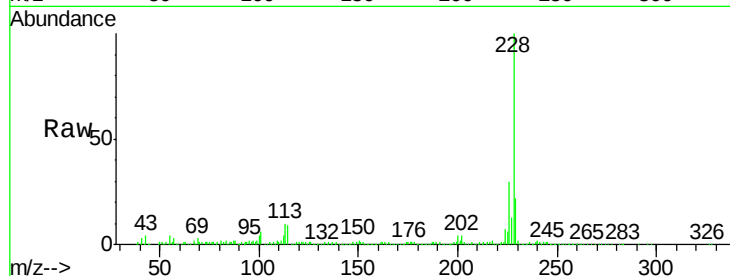
Tgt Ion:228 Resp: 197282

Ion Ratio Lower Upper

228 100

226 30.4 24.4 36.6

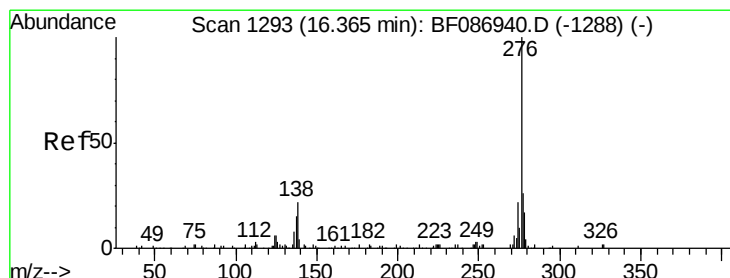
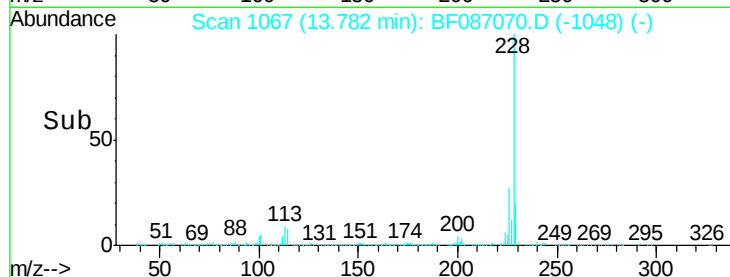
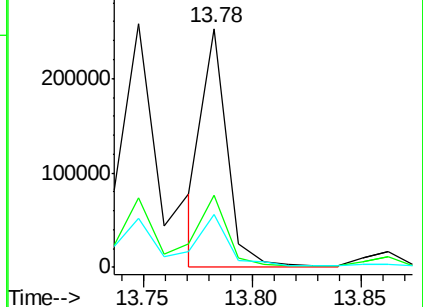
229 22.4 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.73 ng

RT: 16.37 min Scan# 1293

Delta R.T. -0.13 min

Lab File: BF087070.D

Acq: 15 May 2016 15:28

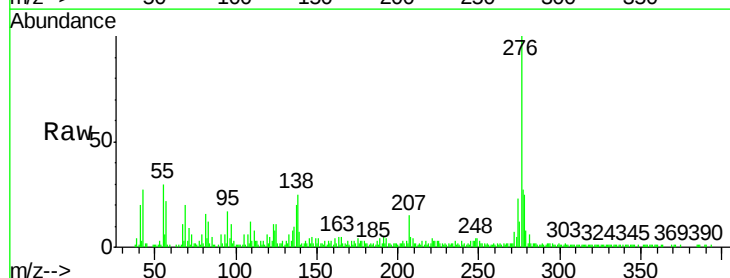
Tgt Ion:276 Resp: 99402

Ion Ratio Lower Upper

276 100

138 20.1 25.6 38.4#

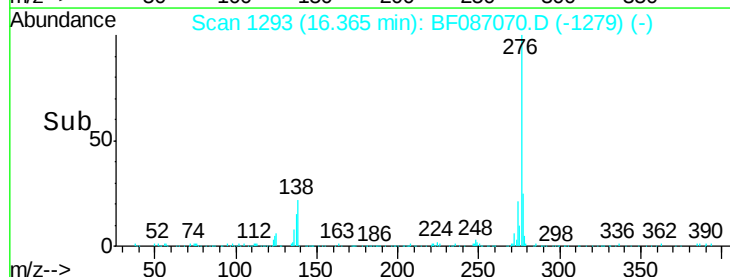
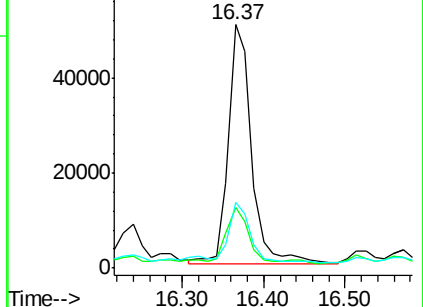
277 28.1 20.5 30.7

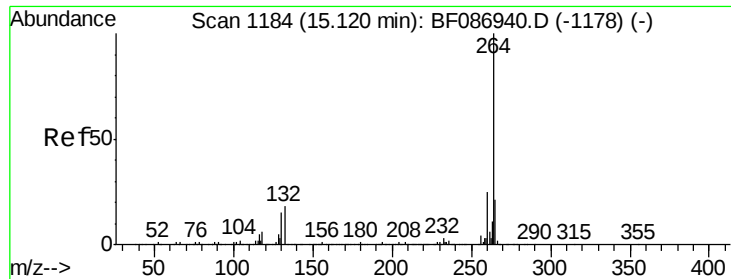


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

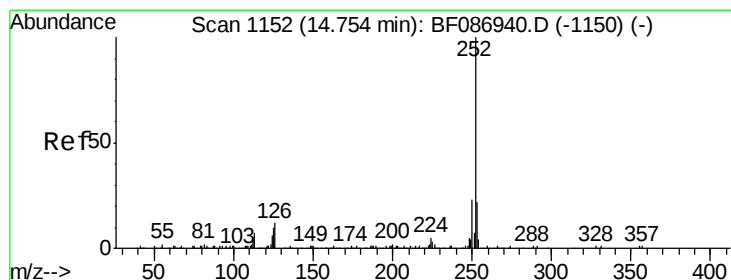
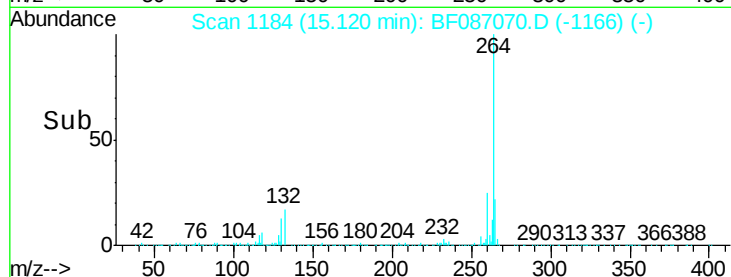
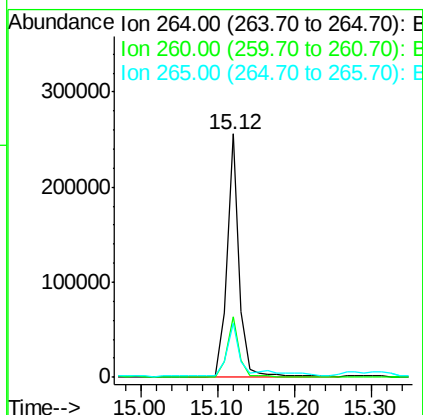
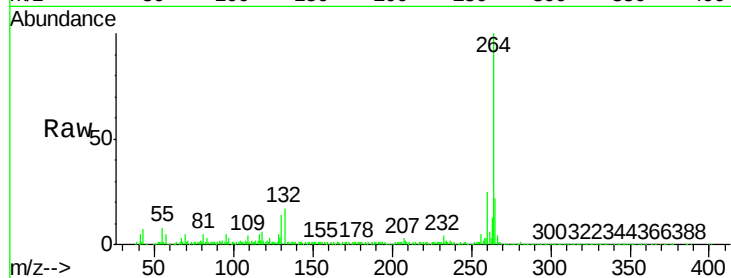




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. -0.09 min
Lab File: BF087070.D
Acq: 15 May 2016 15:28

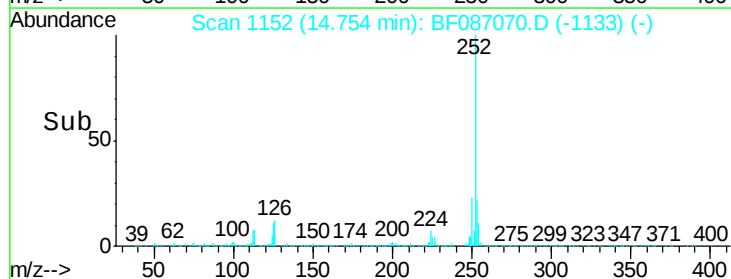
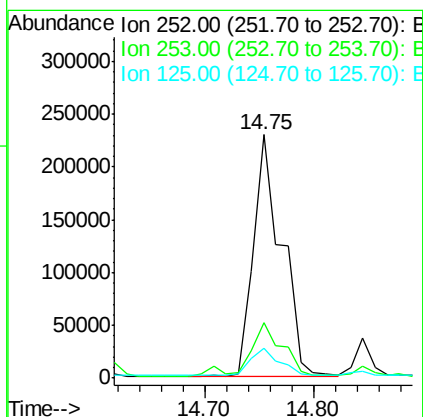
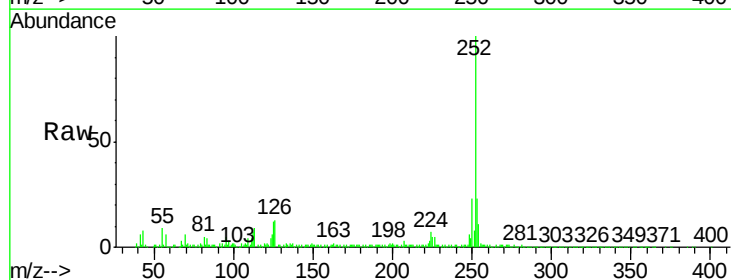
Instrument :
BNA_F
ClientSampleId :
WEST-ABOUTMENT-N.SIDE

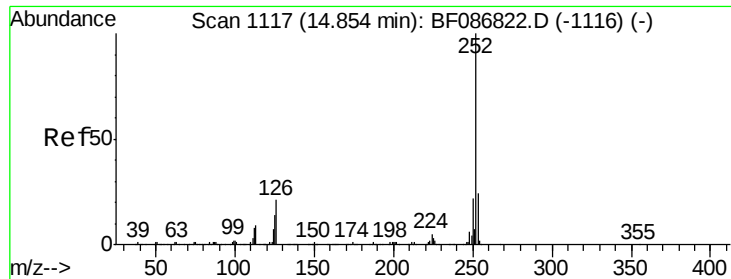
Tgt Ion:264 Resp: 287077
Ion Ratio Lower Upper
264 100
260 25.1 19.5 29.3
265 22.0 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 22.19 ng
RT: 14.75 min Scan# 1152
Delta R.T. -0.08 min
Lab File: BF087070.D
Acq: 15 May 2016 15:28

Tgt Ion:252 Resp: 413999
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 12.3 11.4 17.0

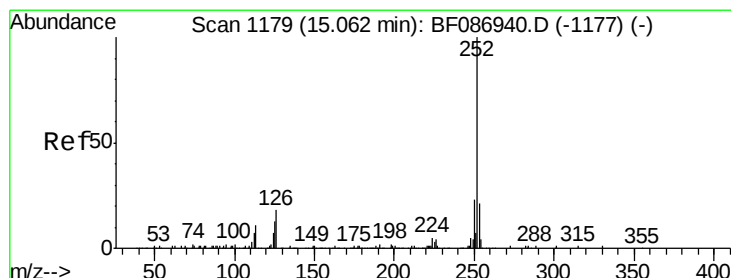
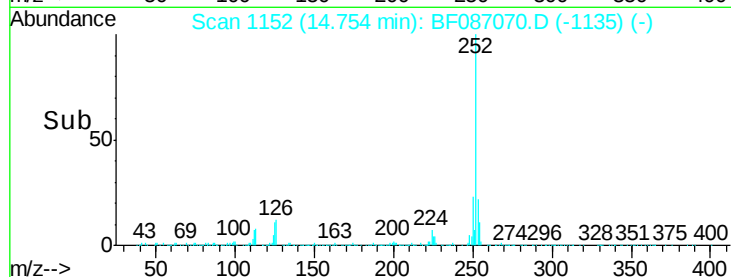
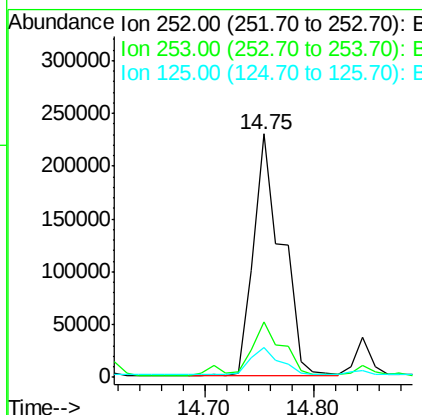
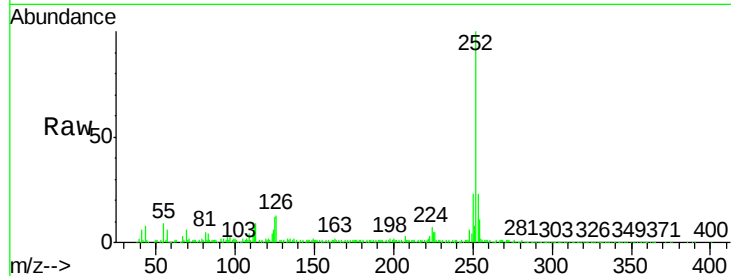




#88
Benzo(k)fluoranthene
Concen: 27.10 ng
RT: 14.75 min Scan# 1152
Delta R.T. -0.10 min
Lab File: BF087070.D
Acq: 15 May 2016 15:28

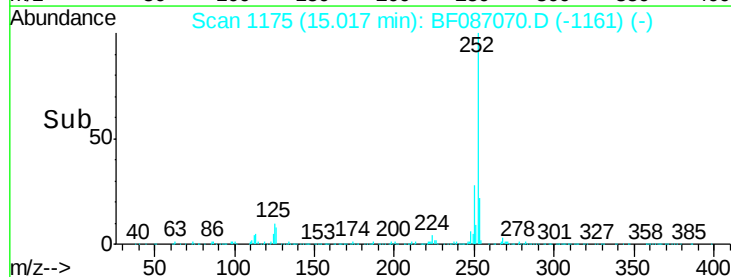
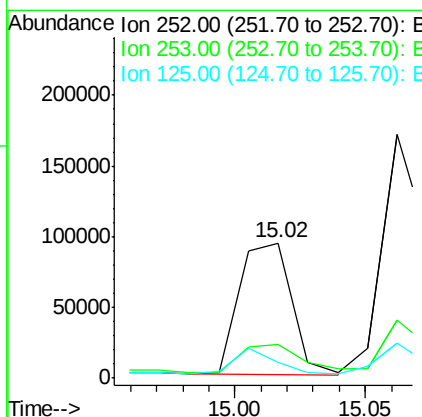
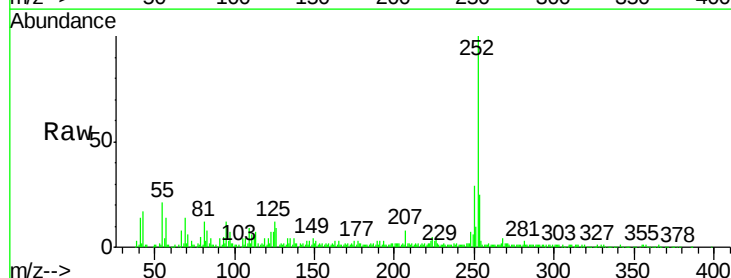
Instrument :
BNA_F
ClientSampleId :
WEST-ABOUTMENT-N.SIDE

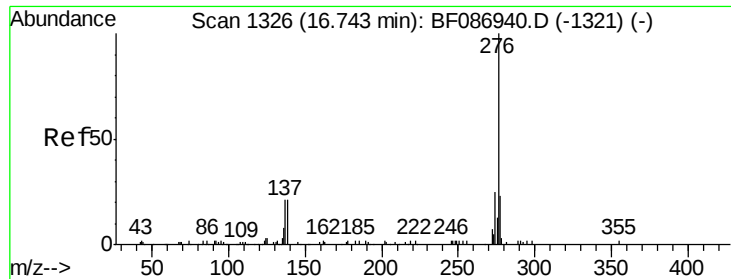
Tgt Ion:252 Resp: 413999
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 12.3 9.1 13.7



#89
Benzo(a)pyrene
Concen: 8.23 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.13 min
Lab File: BF087070.D
Acq: 15 May 2016 15:28

Tgt Ion:252 Resp: 132438
Ion Ratio Lower Upper
252 100
253 24.7 17.2 25.8
125 12.0 9.0 13.6





#91
 Benzo(g,h,i)perylene
 Concen: 5.97 ng
 RT: 16.74 min Scan# 1326
 Delta R.T. -0.15 min
 Lab File: BF087070.D
 Acq: 15 May 2016 15:28

Instrument :
 BNA_F
 ClientSampleId :
 WEST-ABOUTMENT-N.SIDE

Tgt Ion: 276 Resp: 82263
 Ion Ratio Lower Upper
 276 100
 277 24.8 19.6 29.4
 138 24.8 23.6 35.4

