

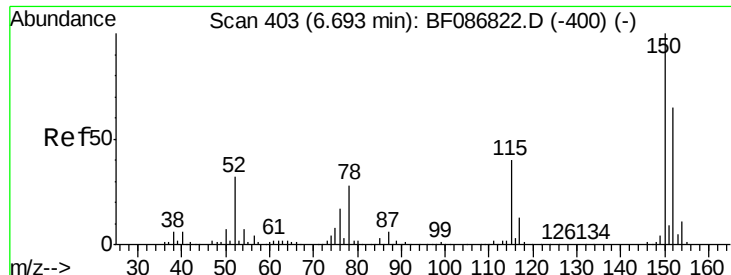
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051616\
 Data File : BF087092.D
 Acq On : 16 May 2016 20:22
 Operator : UM/SJ
 Sample : H3038-01RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: May 17 00:57:13 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	6.76	152	445270	20.00	ng	0.07
21) Naphthalene-d8	7.90	136	583031	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	237014	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	387529	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	309068	20.00	ng	-0.09
86) Perylene-d12	15.11	264	245705	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	908876	34.57	ng	-0.09
7) Phenol-d6	6.27	99	1161305	33.05	ng	-0.09
23) Nitrobenzene-d5	7.18	82	746493	64.29	ng	-0.09
41) 2,4,6-Tribromophenol	10.43	330	212296	84.61	ng	-0.09
44) 2-Fluorobiphenyl	8.97	172	1099325	77.95	ng	-0.09
78) Terphenyl-d14	12.71	244	920938	63.22	ng	-0.09
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.18	70	102500	4.17	ng	# 71
25) Isophorone	7.18	82	683539	31.73	ng	# 68
49) Dimethylphthalate	9.37	163	128806	7.12	ng	100
55) 4-Nitrophenol	9.85	139	5698	6.57	ng	# 17
56) 2,4-Dinitrotoluene	9.64	165	30170	6.41	ng	# 17
66) 4-Bromophenyl-phenylether	10.43	248	13756	3.50	ng	# 1
70) Phenanthrene	11.14	178	429942	20.79	ng	99
71) Anthracene	11.20	178	100782	4.76	ng	98
74) Fluoranthene	12.33	202	646843	30.41	ng	92
77) Pyrene	12.55	202	561959	23.75	ng	97
80) Benzo(a)anthracene	13.74	228	306722	17.68	ng	99
82) Chrysene	13.77	228	226053	12.81	ng	99
85) Indeno(1,2,3-cd)pyrene	16.35	276	96588	6.58	ng	# 90
87) Benzo(b)fluoranthene	14.74	252	362395	22.69	ng	97
88) Benzo(k)fluoranthene	14.74	252	362395	27.72	ng	99
89) Benzo(a)pyrene	15.06	252	182445	13.25	ng	97
91) Benzo(g,h,i)perylene	16.73	276	83219	7.06	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 453

Delta R.T. 0.07 min

Lab File: BF087092.D

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Instrument :

BNA_F

ClientSampleId :

WEST-ABOUTMENT-N.SIDE

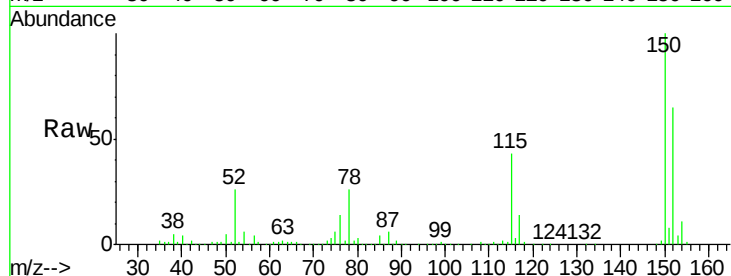
Tgt Ion:152 Resp: 445270

Ion Ratio Lower Upper

152 100

150 154.0 125.8 188.6

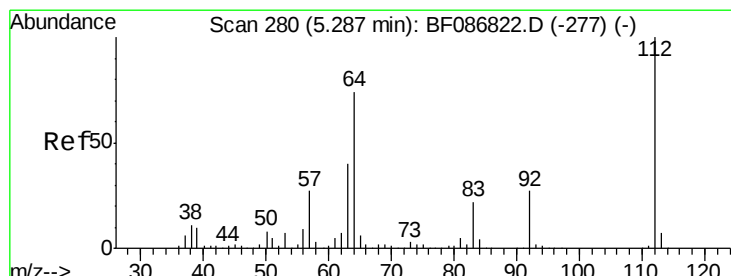
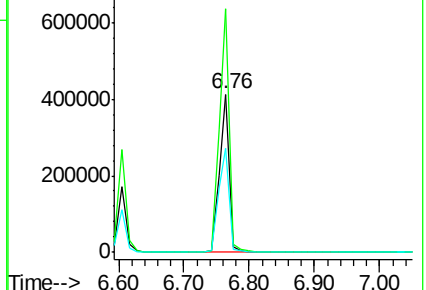
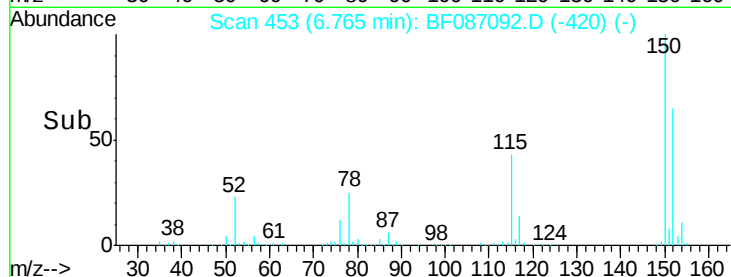
115 65.8 51.5 77.3



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: 34.57 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.09 min

Lab File: BF087092.D

Acq: 16 May 2016 20:22

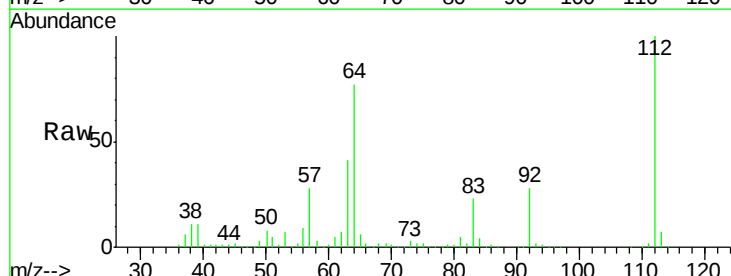
Tgt Ion:112 Resp: 908876

Ion Ratio Lower Upper

112 100

64 76.8 52.1 78.1

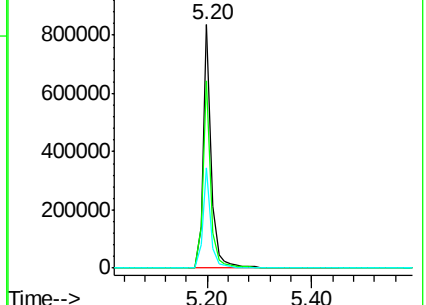
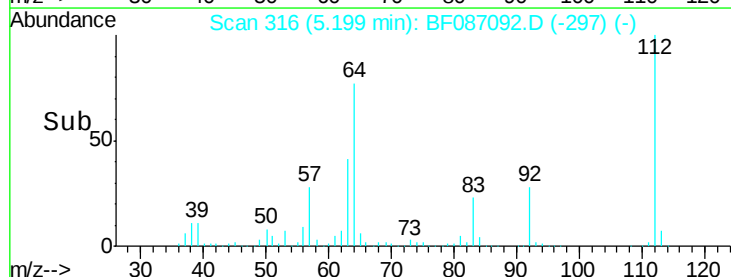
63 41.4 25.7 38.5#

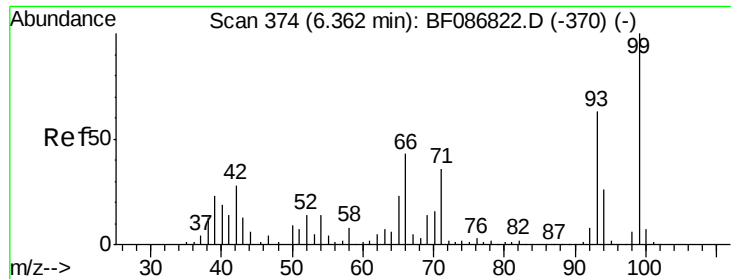


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 33.05 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.09 min

Lab File: BF087092.D

Acq: 16 May 2016 20:22

Instrument :

BNA_F

ClientSampleId :

WEST-ABOUTMENT-N.SIDE

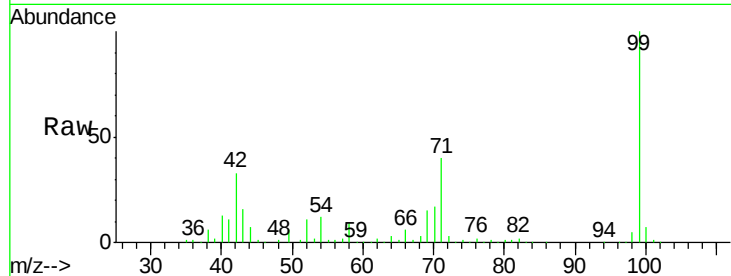
Tgt Ion: 99 Resp: 1161305

Ion Ratio Lower Upper

99 100

42 32.8 13.6 20.4#

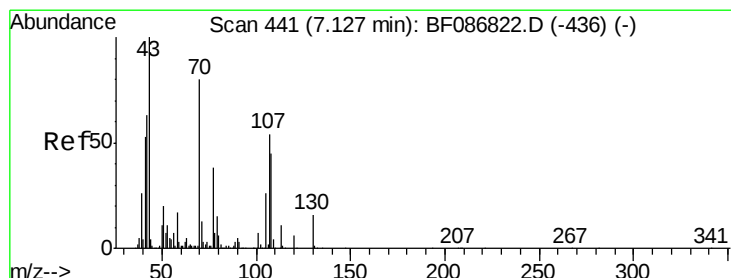
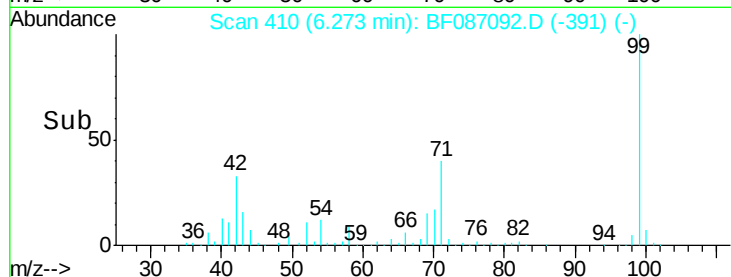
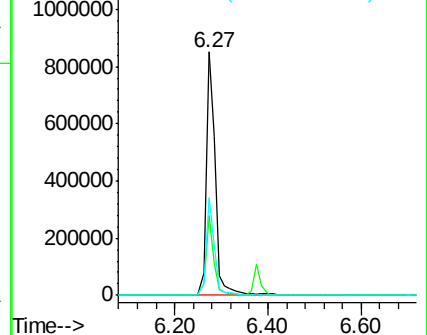
71 40.4 24.6 36.8#



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: 4.17 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.05 min

Lab File: BF087092.D

Acq: 16 May 2016 20:22

Tgt Ion: 70 Resp: 102500

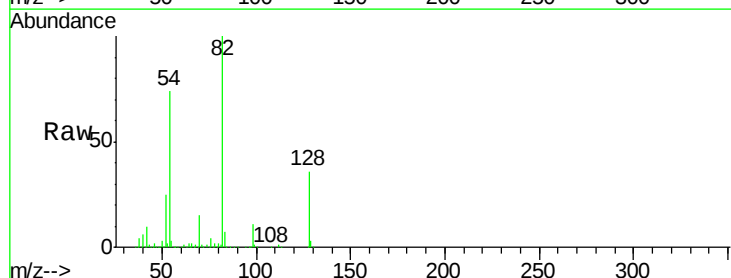
Ion Ratio Lower Upper

70 100

42 70.5 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#

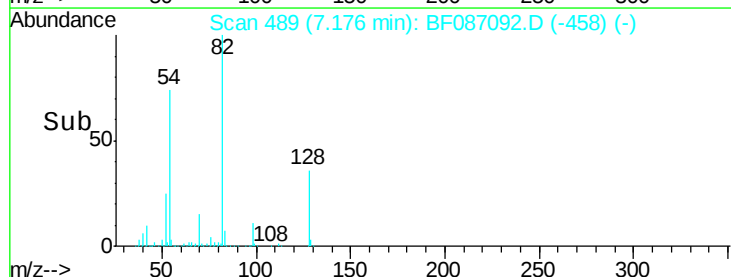
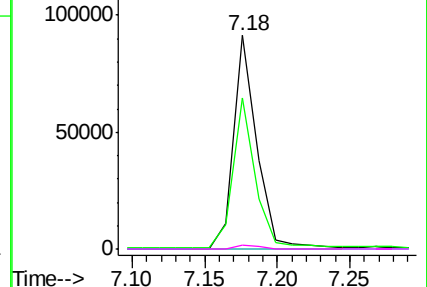


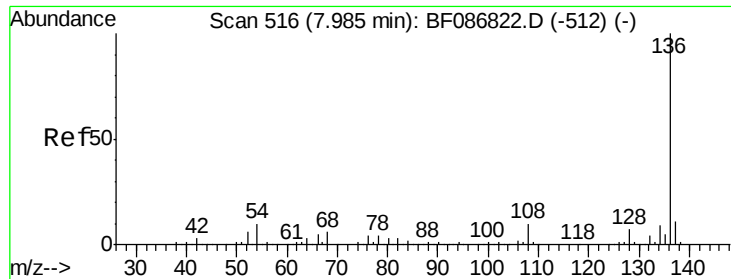
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

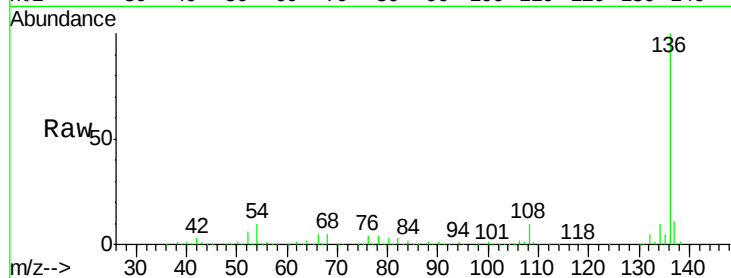




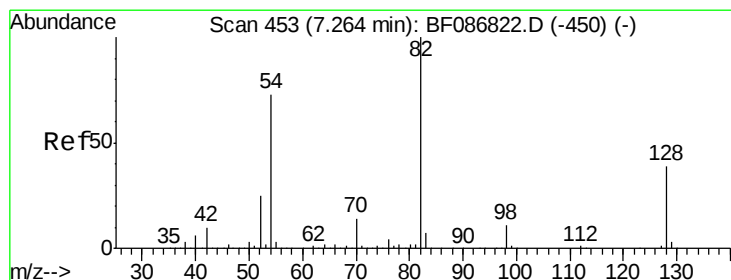
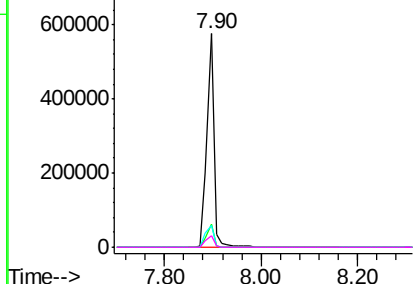
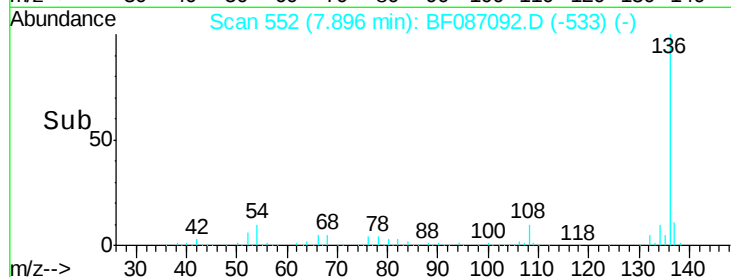
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087092.D
Acq: 16 May 2016 20:22

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

Tgt Ion:	136	Resp:	583031
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	10.1	5.0	7.4#
68	5.5	4.4	6.6

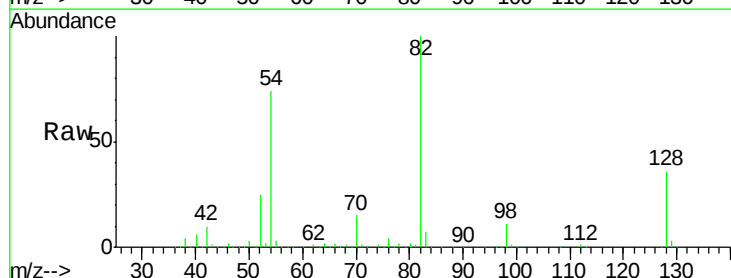


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

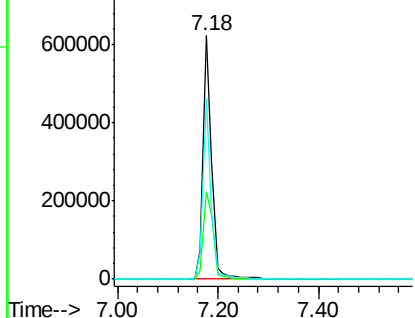
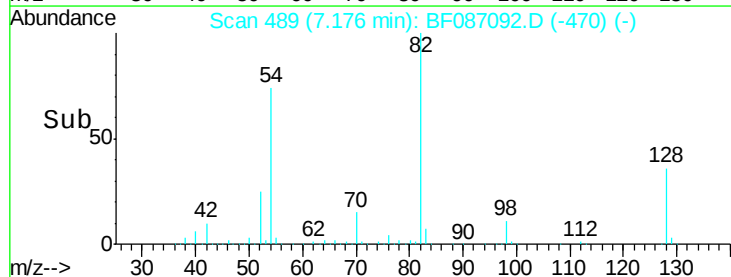


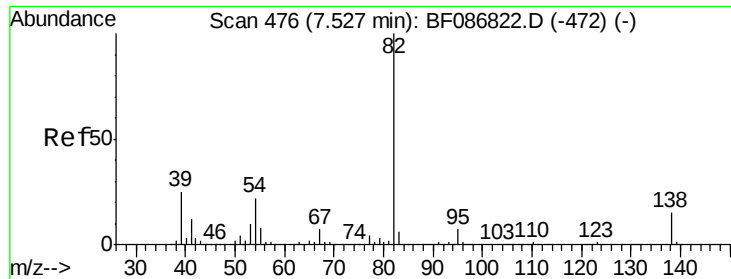
#23
Nitrobenzene-d5
Concen: 64.29 ng
RT: 7.18 min Scan# 489
Delta R.T. -0.09 min
Lab File: BF087092.D
Acq: 16 May 2016 20:22

Tgt Ion:	82	Resp:	746493
Ion	Ratio	Lower	Upper
82	100		
128	36.1	40.6	61.0#
54	74.3	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

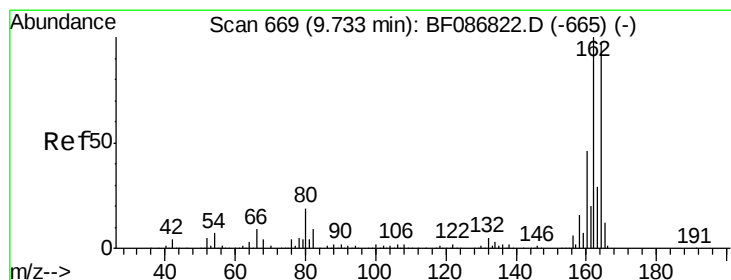
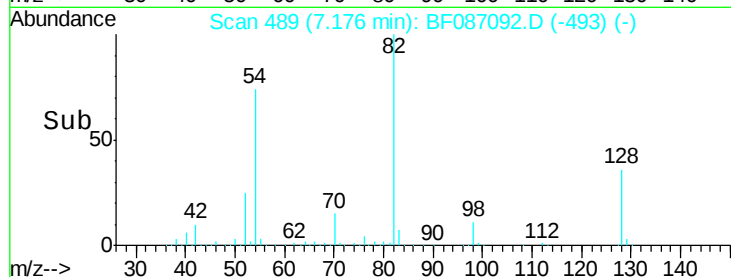
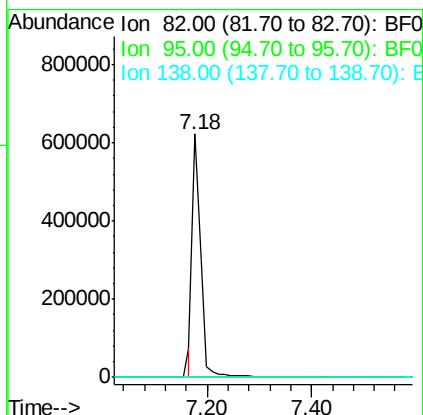
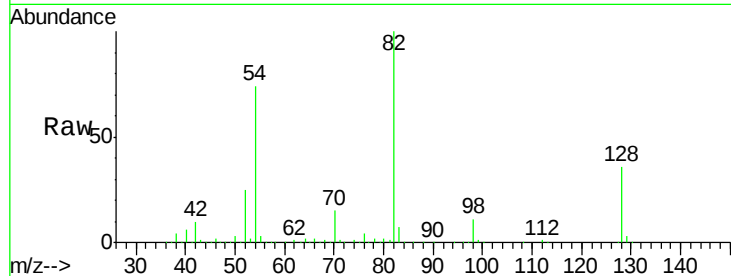




#25
Isophorone
Concen: 31.73 ng
RT: 7.18 min Scan# 489
Delta R.T. -0.35 min
Lab File: BF087092.D
Acq: 16 May 2016 20:22

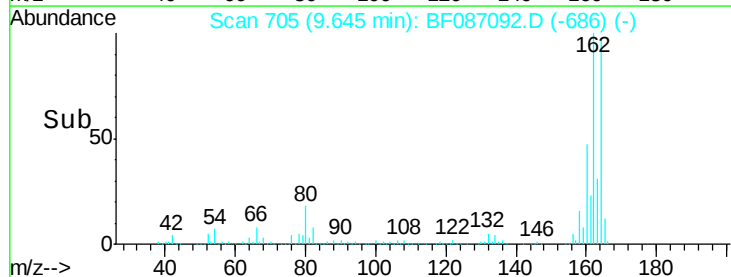
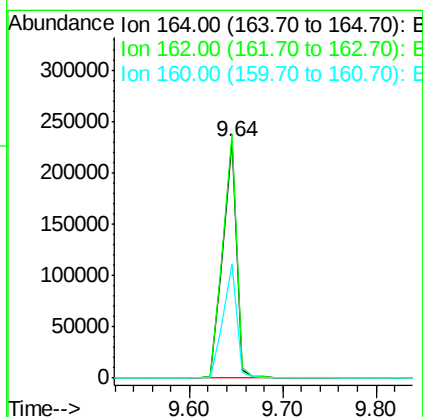
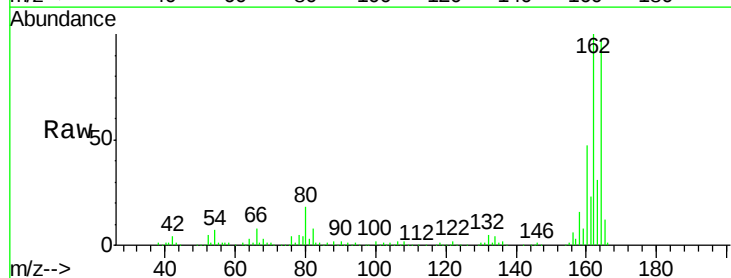
Instrument :
BNA_F
ClientSampleId :
WEST-ABOUTMENT-N.SIDE

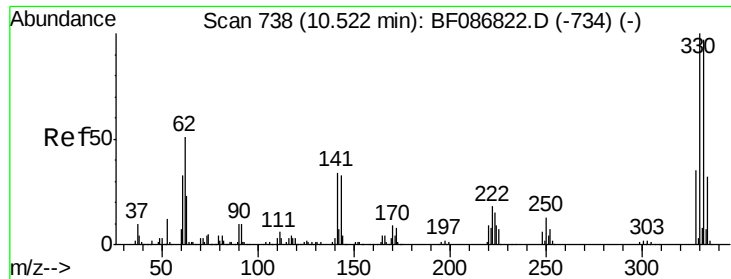
Tgt Ion: 82 Resp: 683539
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.4 18.6#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.09 min
Lab File: BF087092.D
Acq: 16 May 2016 20:22

Tgt Ion: 164 Resp: 237014
Ion Ratio Lower Upper
164 100
162 102.9 82.8 124.2
160 48.3 36.9 55.3

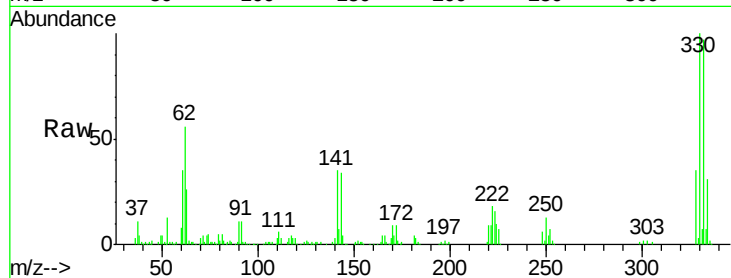




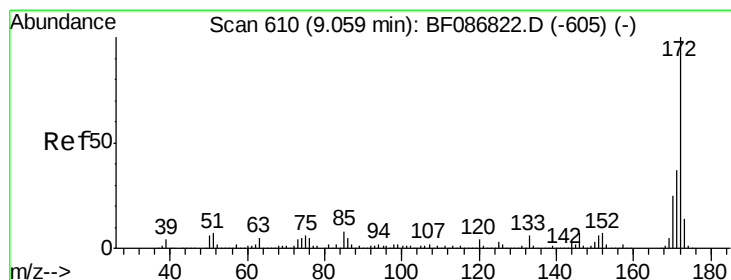
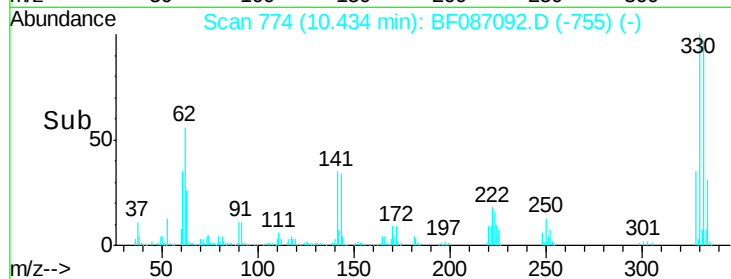
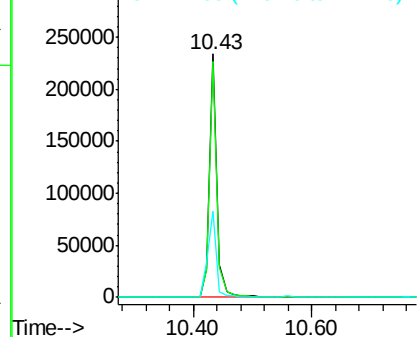
#41
 2,4,6-Tribromophenol
 Concen: 84.61 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.09 min
 Lab File: BF087092.D
 Acq: 16 May 2016 20:22

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

Tgt Ion:330 Resp: 212296
 Ion Ratio Lower Upper
 330 100
 332 96.1 79.0 118.4
 141 41.4 31.2 46.8

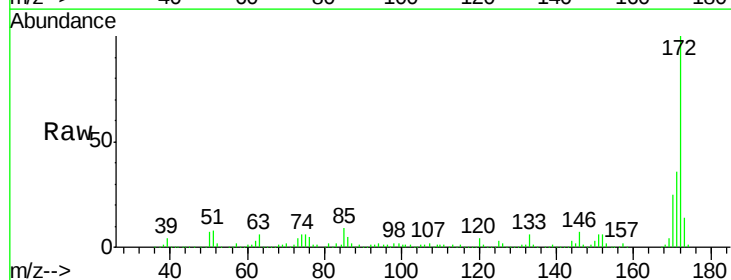


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

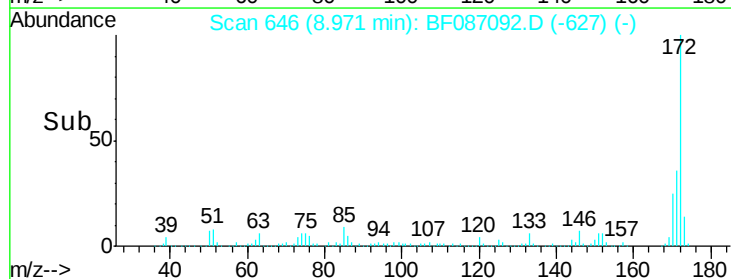
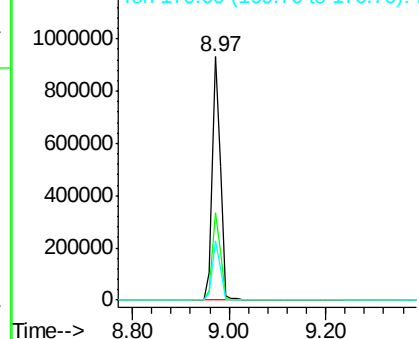


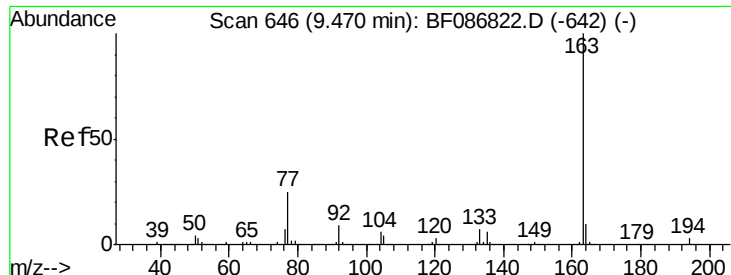
#44
 2-Fluorobiphenyl
 Concen: 77.95 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.09 min
 Lab File: BF087092.D
 Acq: 16 May 2016 20:22

Tgt Ion:172 Resp: 1099325
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.0 43.6
 170 24.5 19.8 29.8



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

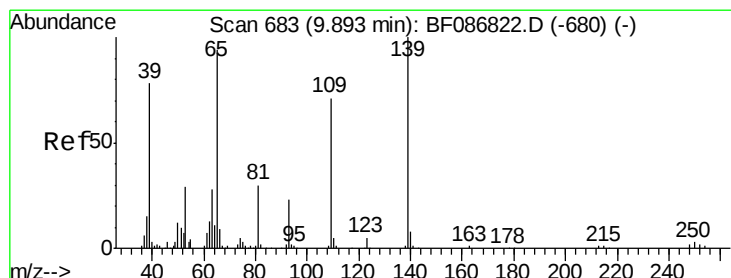
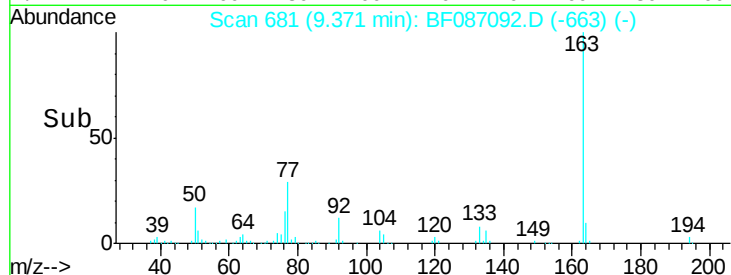
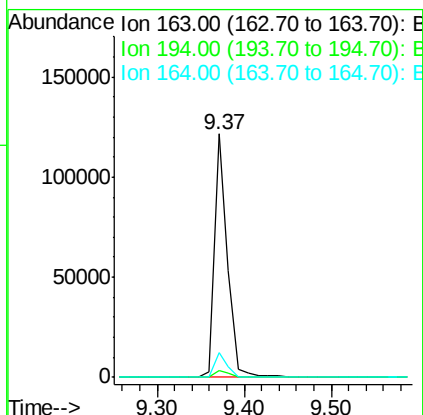
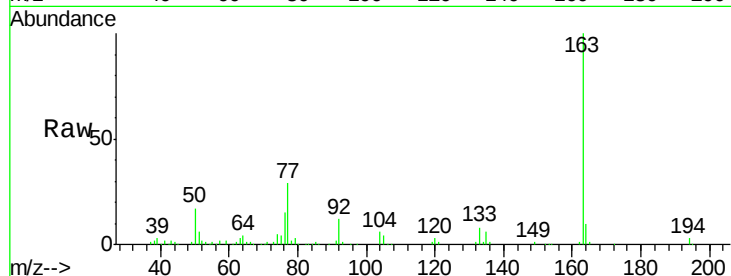




#49
Dimethylphthalate
Concen: 7.12 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.10 min
Lab File: BF087092.D
Acq: 16 May 2016 20:22

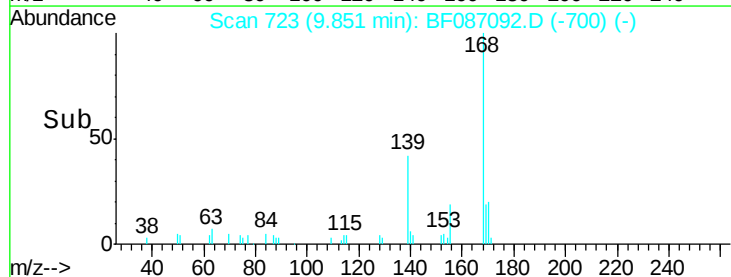
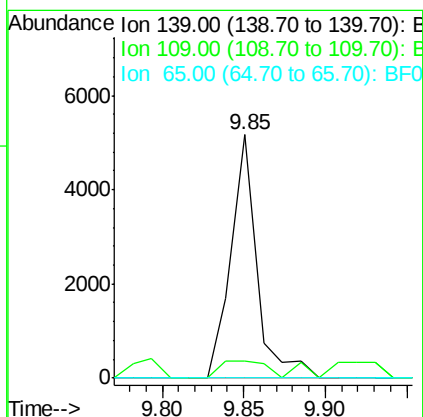
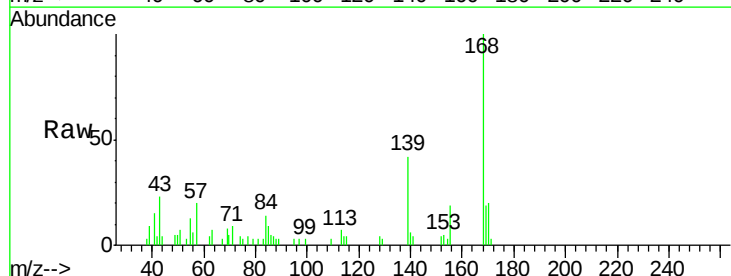
Instrument :
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WEST-ABOUTMENT-N.SIDE

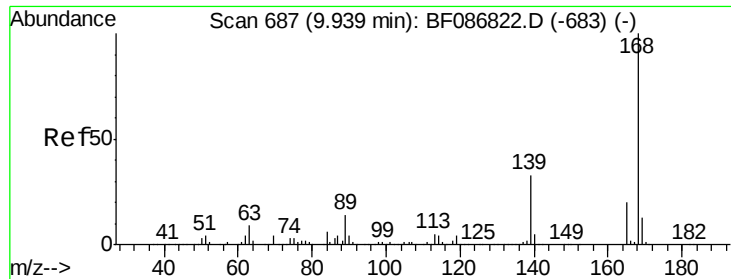
Tgt Ion:163 Resp: 128806
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 10.4 8.2 12.4



#55
4-Nitrophenol
Concen: 6.57 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.04 min
Lab File: BF087092.D
Acq: 16 May 2016 20:22

Tgt Ion:139 Resp: 5698
Ion Ratio Lower Upper
139 100
109 7.2 36.9 76.9#
65 0.0 64.0 104.0#

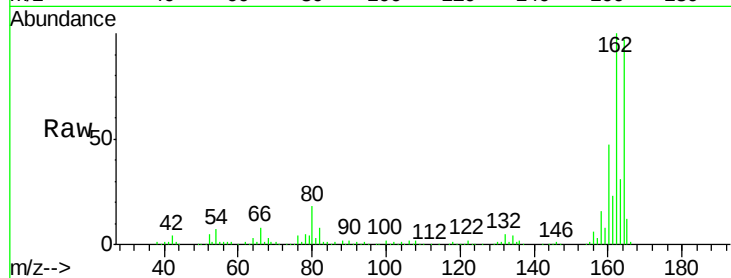




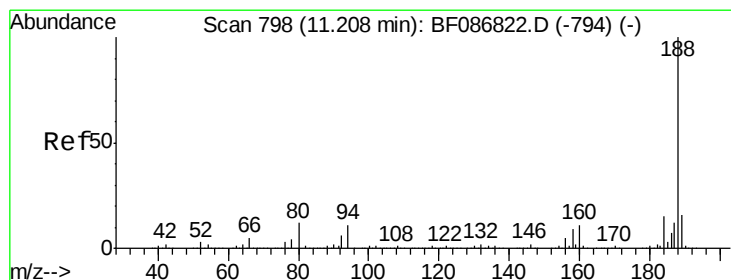
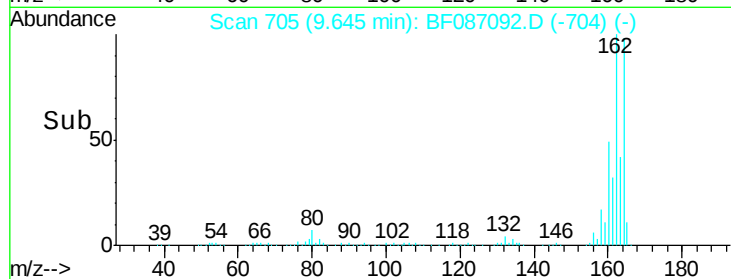
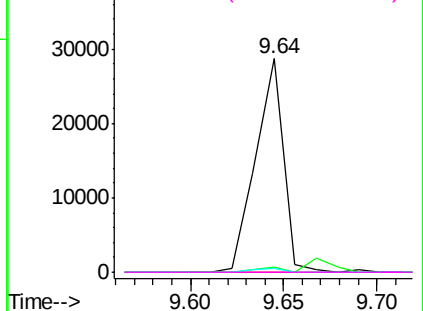
#56
 2,4-Dinitrotoluene
 Concen: 6.41 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.29 min
 Lab File: BF087092.D
 Acq: 16 May 2016 20:22

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

Tgt Ion:165 Resp: 30170
 Ion Ratio Lower Upper
 165 100
 63 2.7 44.3 66.5#
 89 2.0 70.0 105.0#
 182 0.0 1.8 2.6#

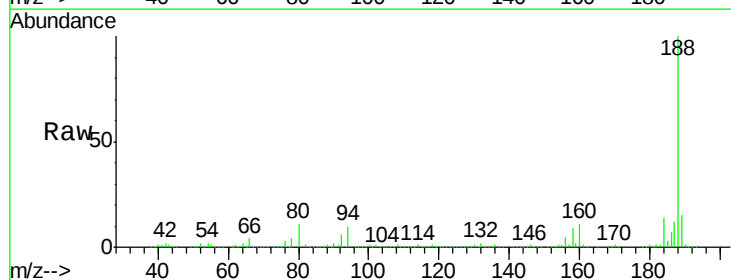


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

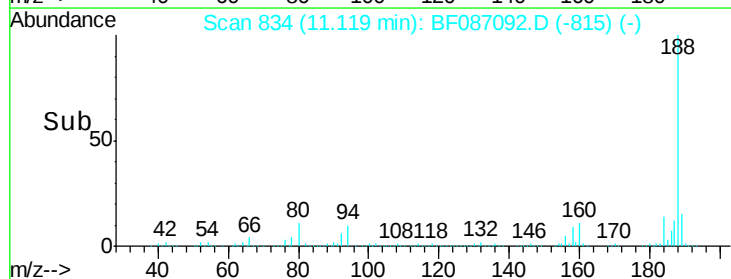
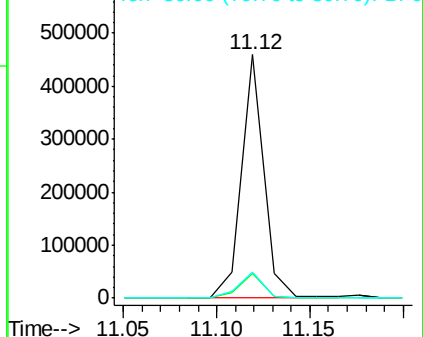


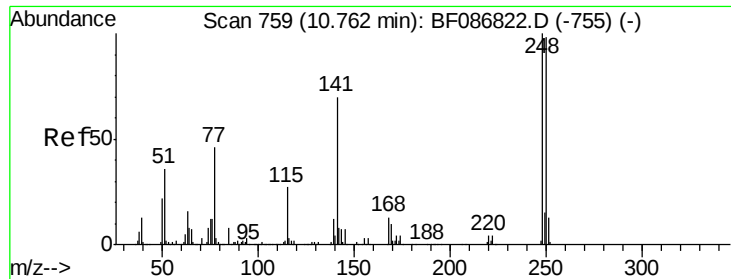
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.12 min Scan# 834
 Delta R.T. -0.09 min
 Lab File: BF087092.D
 Acq: 16 May 2016 20:22

Tgt Ion:188 Resp: 387529
 Ion Ratio Lower Upper
 188 100
 94 10.1 6.8 10.2
 80 10.7 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

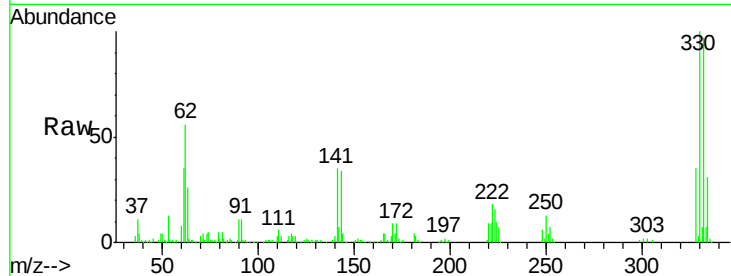




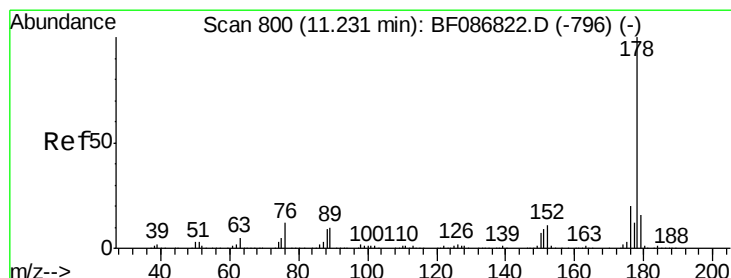
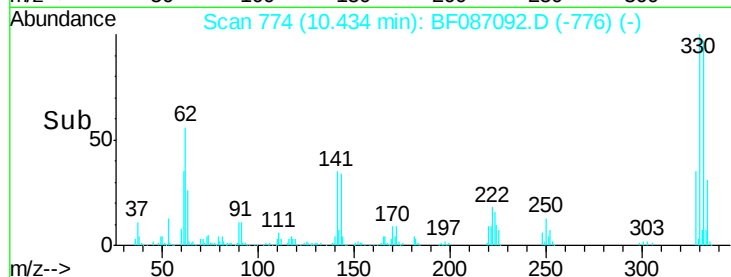
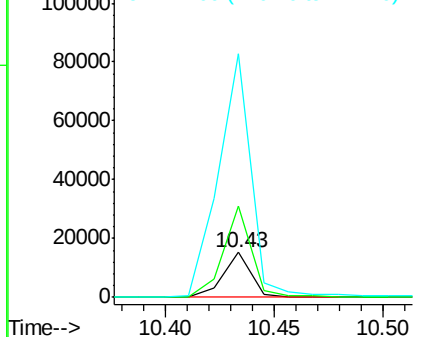
#66
 4-Bromophenyl-phenylether
 Concen: 3.50 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.33 min
 Lab File: BF087092.D
 Acq: 16 May 2016 20:22

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

Tgt Ion:248 Resp: 13756
 Ion Ratio Lower Upper
 248 100
 250 204.2 78.6 117.8#
 141 545.2 76.0 114.0#

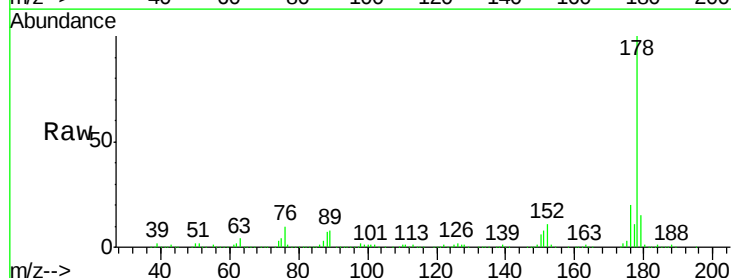


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

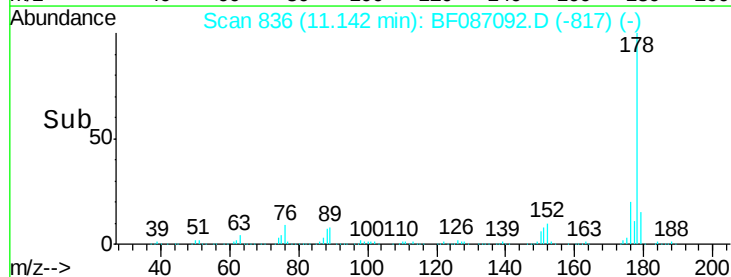
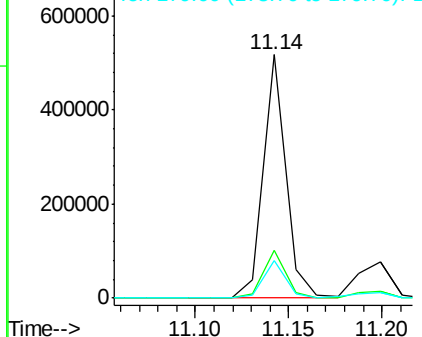


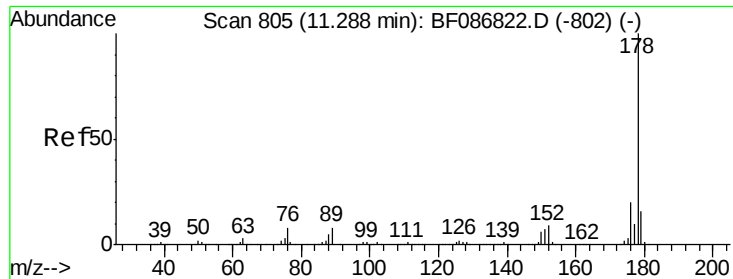
#70
 Phenanthrene
 Concen: 20.79 ng
 RT: 11.14 min Scan# 836
 Delta R.T. -0.09 min
 Lab File: BF087092.D
 Acq: 16 May 2016 20:22

Tgt Ion:178 Resp: 429942
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.0 24.0
 179 15.4 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

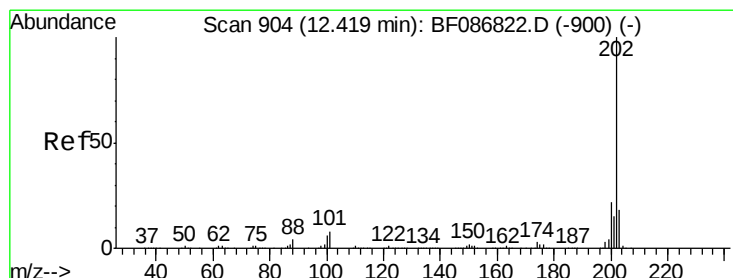
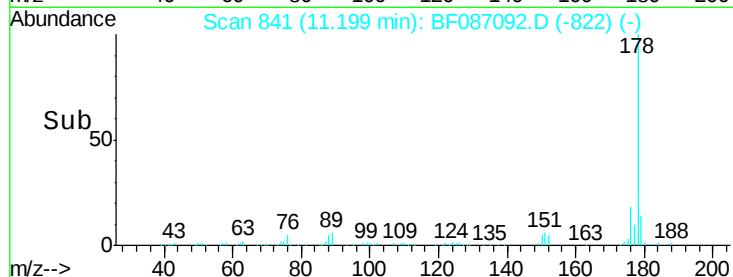
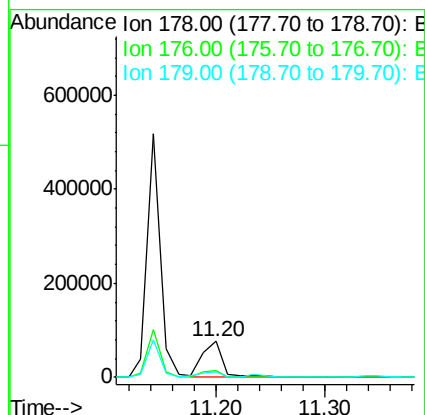
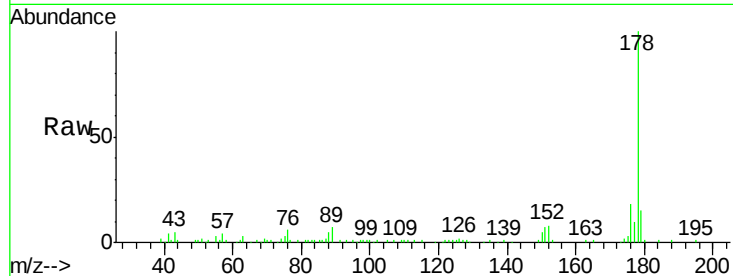




#71
 Anthracene
 Concen: 4.76 ng
 RT: 11.20 min Scan# 841
 Delta R.T. -0.09 min
 Lab File: BF087092.D
 Acq: 16 May 2016 20:22

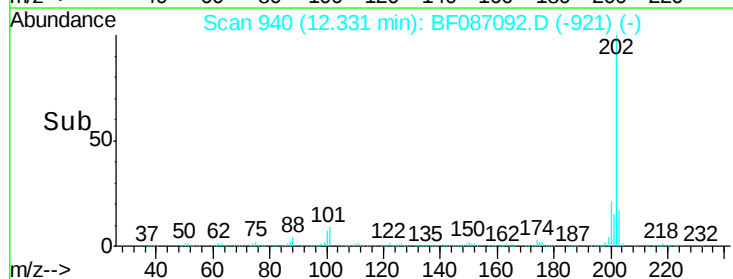
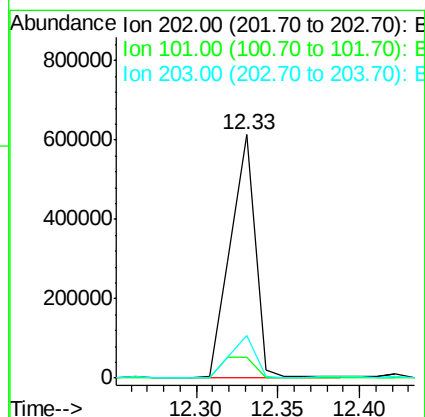
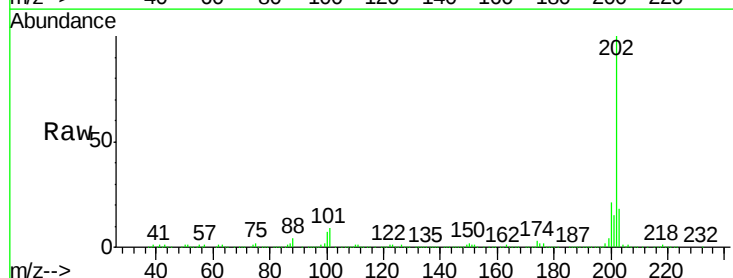
Instrument :
 BNA_F
 ClientSampleId :
 WEST-ABOUTMENT-N.SIDE

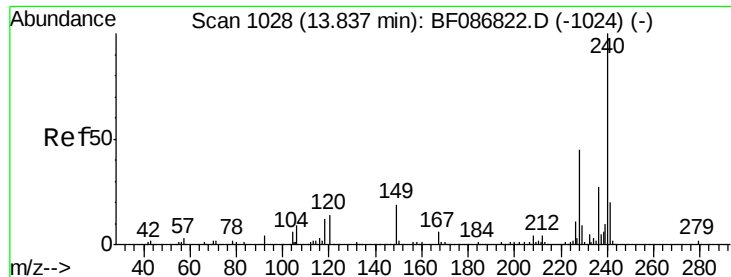
Tgt Ion:178 Resp: 100782
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.6 23.4
 179 15.1 12.7 19.1



#74
 Fluoranthene
 Concen: 30.41 ng
 RT: 12.33 min Scan# 940
 Delta R.T. -0.09 min
 Lab File: BF087092.D
 Acq: 16 May 2016 20:22

Tgt Ion:202 Resp: 646843
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 35.4
 203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.09 min

Lab File: BF087092.D

Acq: 16 May 2016 20:22

Instrument :

BNA_F

ClientSampleId :

WEST-ABOUTMENT-N.SIDE

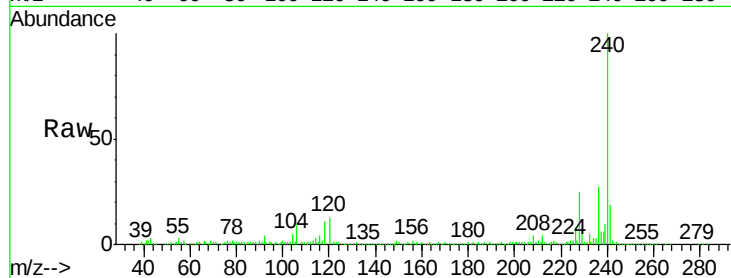
Tgt Ion:240 Resp: 309068

Ion Ratio Lower Upper

240 100

120 12.8 11.2 16.8

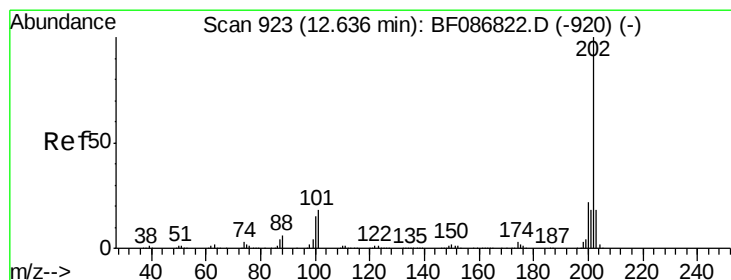
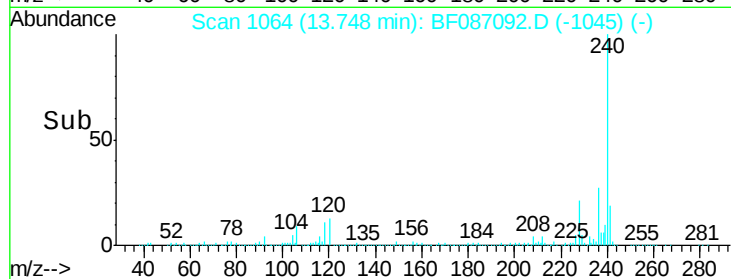
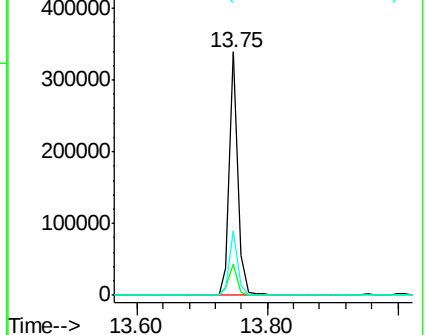
236 26.7 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 23.75 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.09 min

Lab File: BF087092.D

Acq: 16 May 2016 20:22

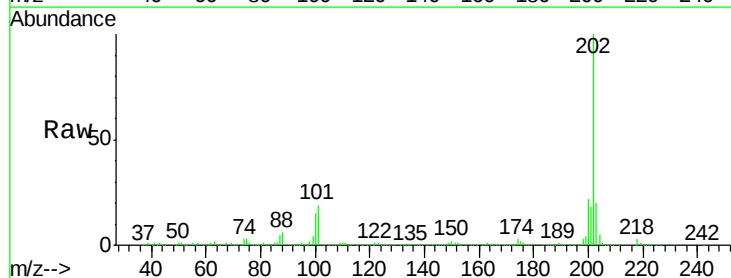
Tgt Ion:202 Resp: 561959

Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

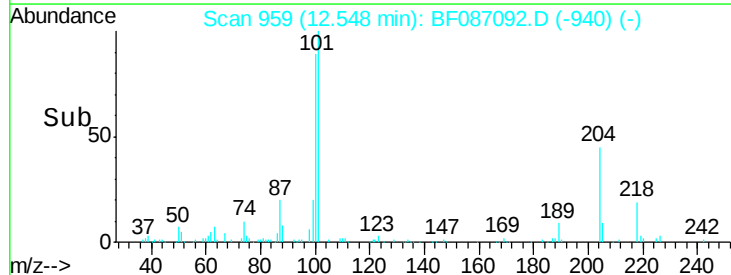
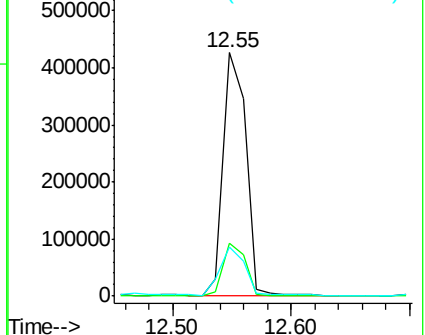
203 20.3 14.2 21.4

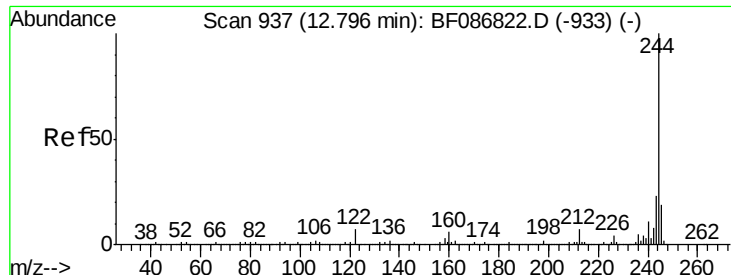


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

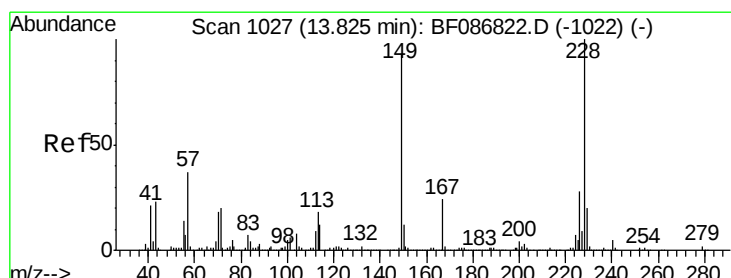
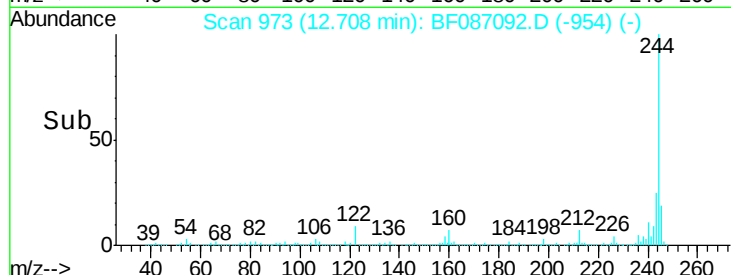
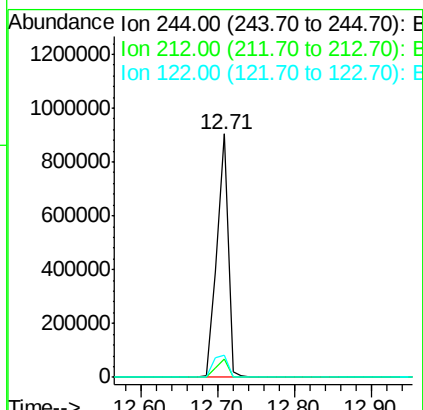
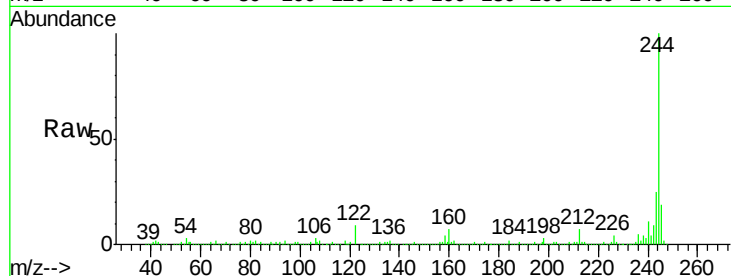




#78
 Terphenyl-d14
 Concen: 63.22 ng
 RT: 12.71 min Scan# 973
 Delta R.T. -0.09 min
 Lab File: BF087092.D
 Acq: 16 May 2016 20:22

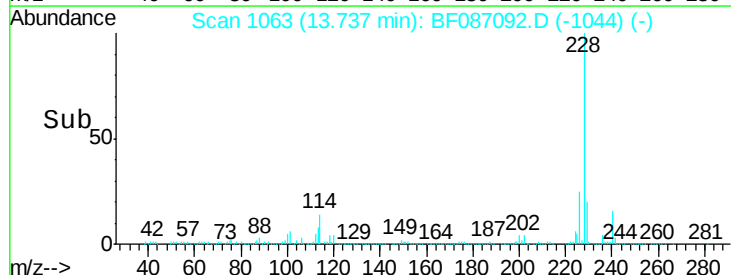
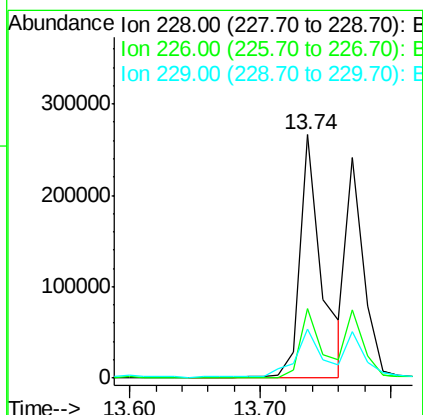
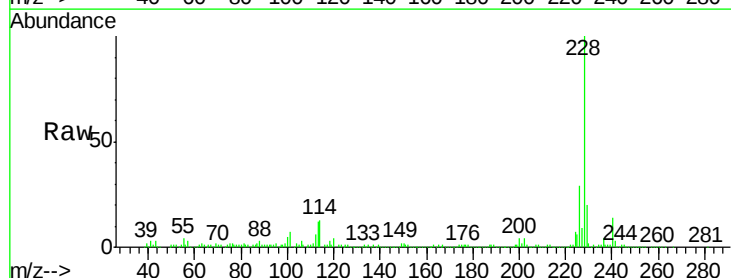
Instrument :
 BNA_F
 ClientSampleId :
 WEST-ABOUTMENT-N.SIDE

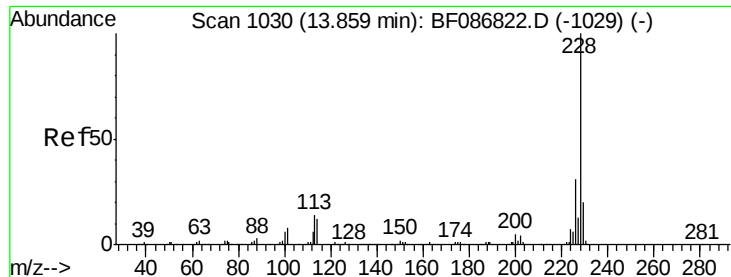
Tgt Ion:244 Resp: 920938
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 9.1 12.0 18.0#



#80
 Benzo(a)anthracene
 Concen: 17.68 ng
 RT: 13.74 min Scan# 1063
 Delta R.T. -0.09 min
 Lab File: BF087092.D
 Acq: 16 May 2016 20:22

Tgt Ion:228 Resp: 306722
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.5 33.7
 229 20.1 16.6 25.0





#82

Chrysene

Concen: 12.81 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.09 min

Lab File: BF087092.D

Acq: 16 May 2016 20:22

Instrument :

BNA_F

ClientSampleId :

WEST-ABOUTMENT-N.SIDE

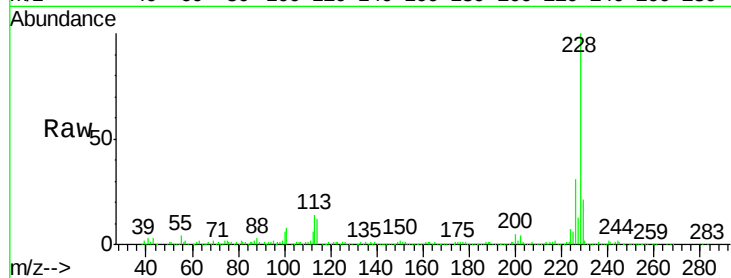
Tgt Ion:228 Resp: 226053

Ion Ratio Lower Upper

228 100

226 30.7 24.4 36.6

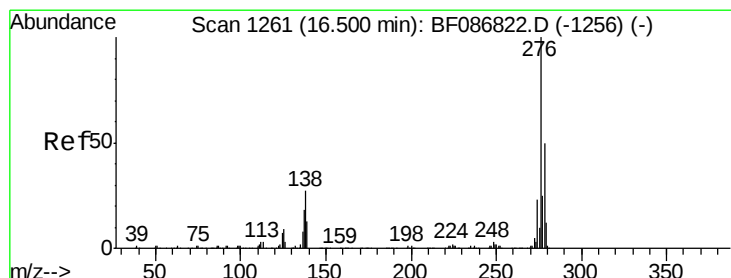
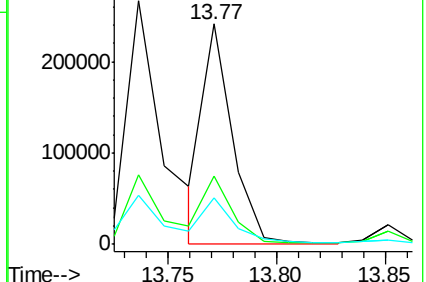
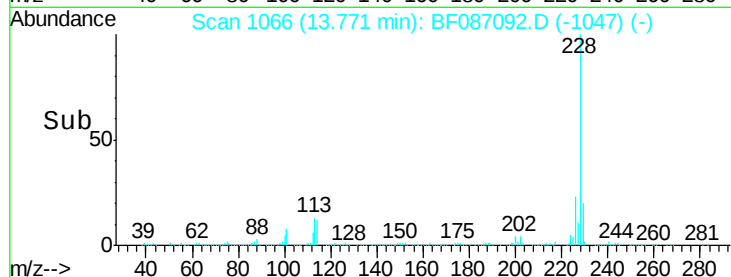
229 21.2 15.8 23.8



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: 6.58 ng

RT: 16.35 min Scan# 1292

Delta R.T. -0.15 min

Lab File: BF087092.D

Acq: 16 May 2016 20:22

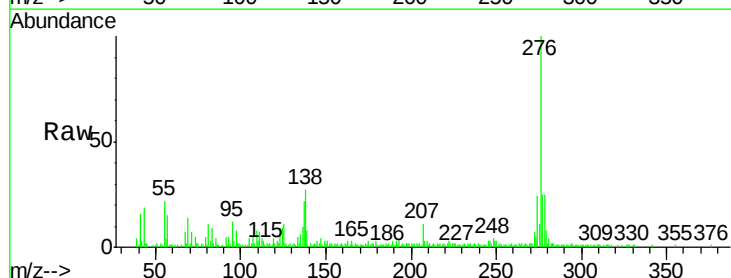
Tgt Ion:276 Resp: 96588

Ion Ratio Lower Upper

276 100

138 25.0 25.6 38.4#

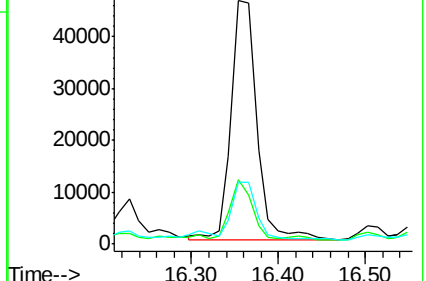
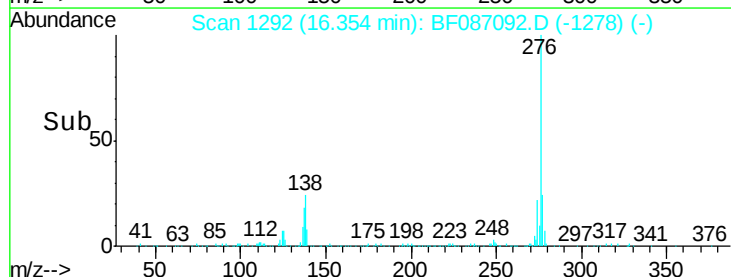
277 29.0 20.5 30.7

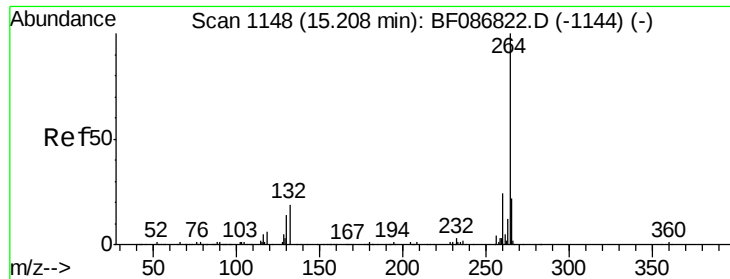


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



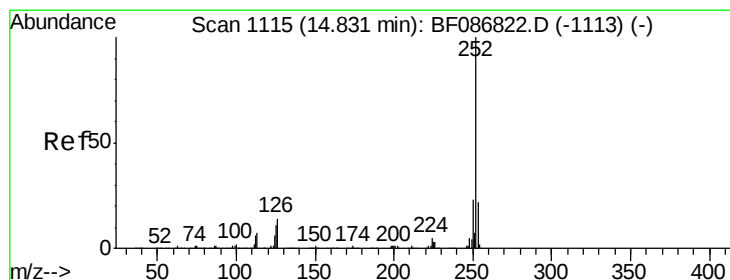
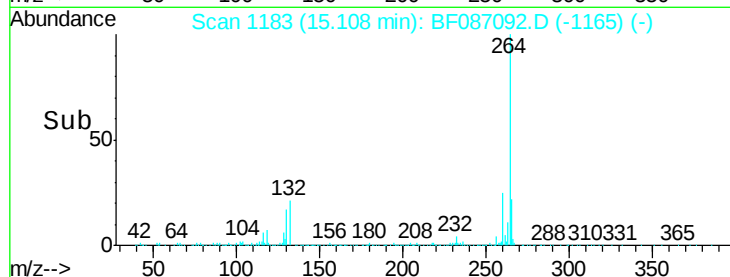
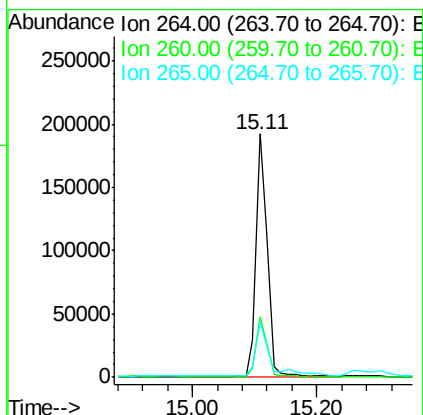
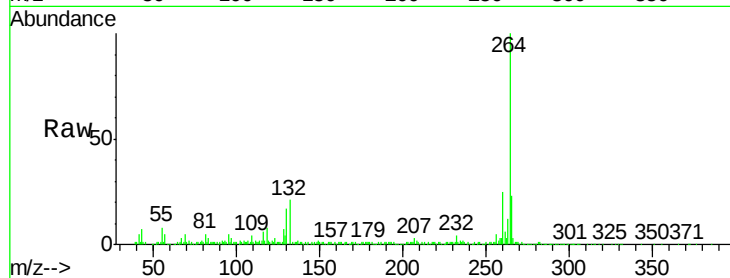


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1183
Delta R.T. -0.10 min
Lab File: BF087092.D
Acq: 16 May 2016 20:22

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

Tgt Ion: 264 Resp: 245705

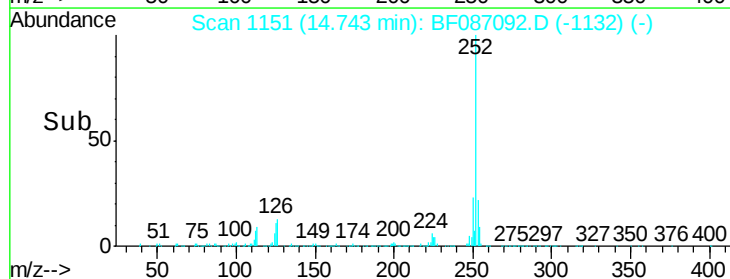
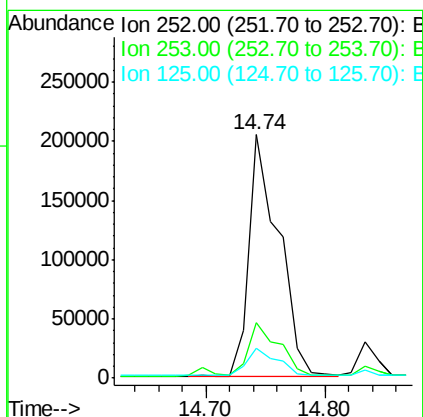
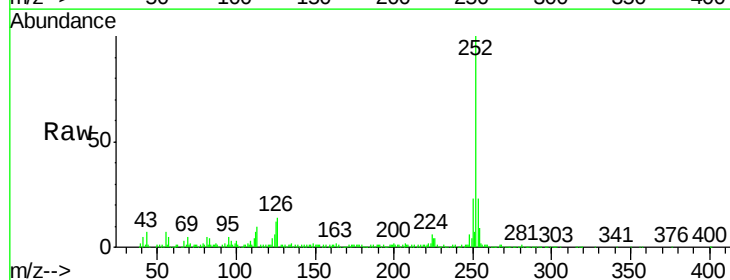
Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.5	29.3
265	22.7	17.3	25.9

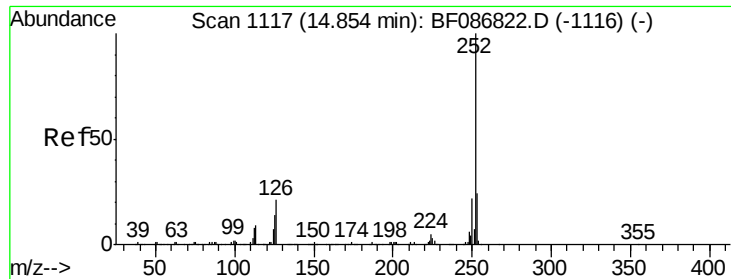


#87
Benzo(b)fluoranthene
Concen: 22.69 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.09 min
Lab File: BF087092.D
Acq: 16 May 2016 20:22

Tgt Ion: 252 Resp: 362395

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	12.2	11.4	17.0

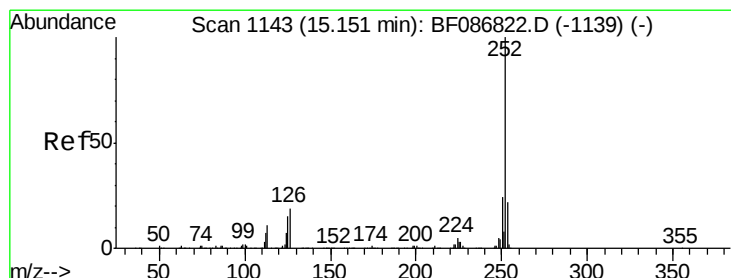
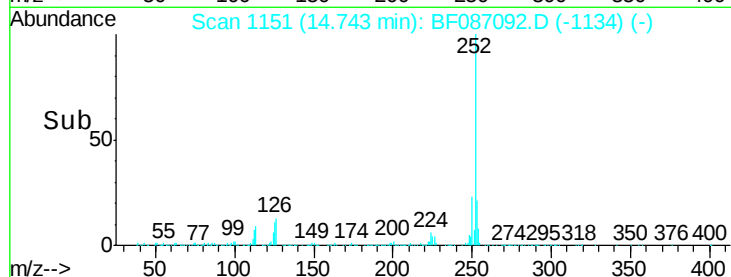
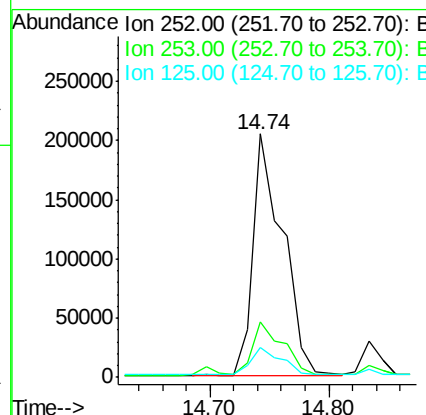
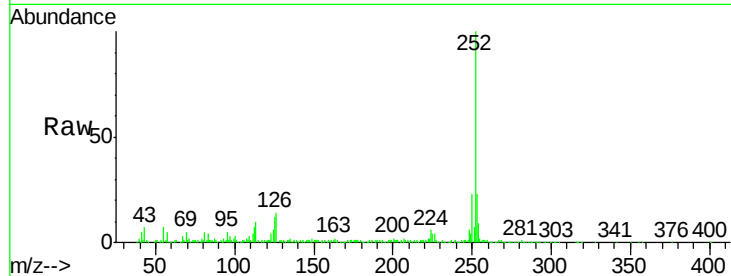




#88
Benzo(k)fluoranthene
Concen: 27.72 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.11 min
Lab File: BF087092.D
Acq: 16 May 2016 20:22

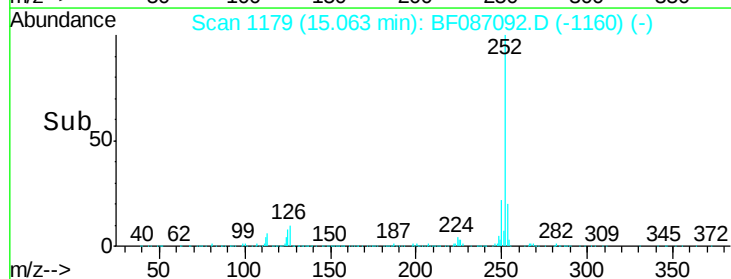
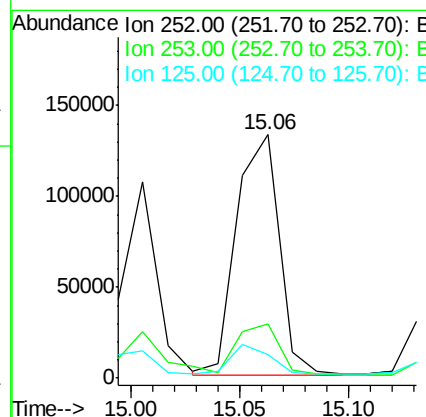
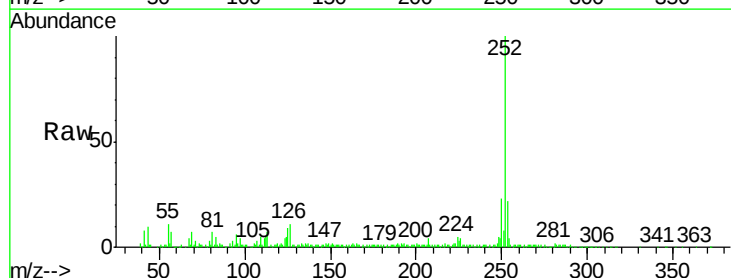
Instrument :
BNA_F
ClientSampleId :
WEST-ABOUTMENT-N.SIDE

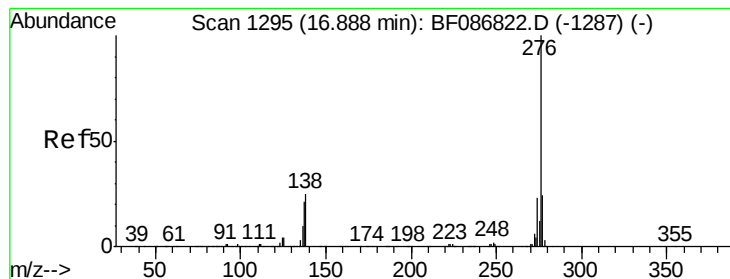
Tgt Ion:252 Resp: 362395
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 12.2 9.1 13.7



#89
Benzo(a)pyrene
Concen: 13.25 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.09 min
Lab File: BF087092.D
Acq: 16 May 2016 20:22

Tgt Ion:252 Resp: 182445
Ion Ratio Lower Upper
252 100
253 22.2 17.2 25.8
125 9.5 9.0 13.6





#91

Benzo(g,h,i)perylene

Concen: 7.06 ng

RT: 16.73 min Scan# 1325

Delta R.T. -0.16 min

Lab File: BF087092.D

Acq: 16 May 2016 20:22

Instrument :

BNA_F

ClientSampleId :

WEST-ABOUTMENT-N.SIDE

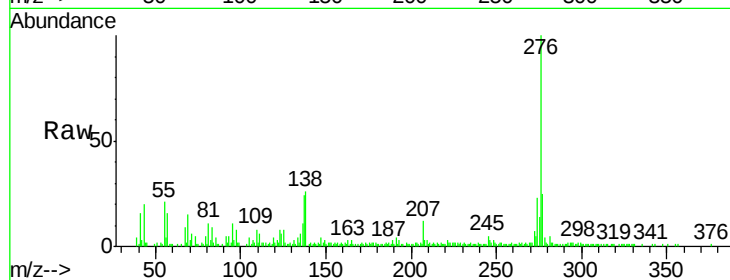
Tgt Ion:276 Resp: 83219

Ion Ratio Lower Upper

276 100

277 25.3 19.6 29.4

138 26.2 23.6 35.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

