

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

Manual Integrations
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Quant Time: May 16 17:11:24 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 16 05:03:47 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	0.00
21) Naphthalene-d8	7.90	136	529436	20.00	ng	-0.01
38) Acenaphthene-d10	9.64	164	229894	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	377857	20.00	ng	0.00
75) Chrysene-d12	13.76	240	310943	20.00	ng	0.00
86) Perylene-d12	15.12	264	287077	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	847870	110.32	ng	0.01
7) Phenol-d6	6.28	99	1019652	99.27	ng	0.00
23) Nitrobenzene-d5	7.19	82	751756	71.30	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	225270	92.56	ng	0.00
44) 2-Fluorobiphenyl	8.98	172	1162881	85.01	ng	0.00
78) Terphenyl-d14	12.71	244	758432	51.75	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.38	163	141037	8.04	ng	99
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	268709m	15.39	ng	
82) Chrysene	13.78	228	253028m	14.25	ng	
85) Indeno(1,2,3-cd)pyrene	16.37	276	97389	6.59	ng	# 86
87) Benzo(b)fluoranthene	14.75	252	315190m	16.89	ng	
88) Benzo(k)fluoranthene	14.77	252	104281m	6.83	ng	
89) Benzo(a)pyrene	15.06	252	204211m	12.69	ng	
90) Dibenzo(a,h)anthracene	16.38	278	33941	2.50	ng	# 88
91) Benzo(g,h,i)perylene	16.74	276	82263	5.97	ng	95

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

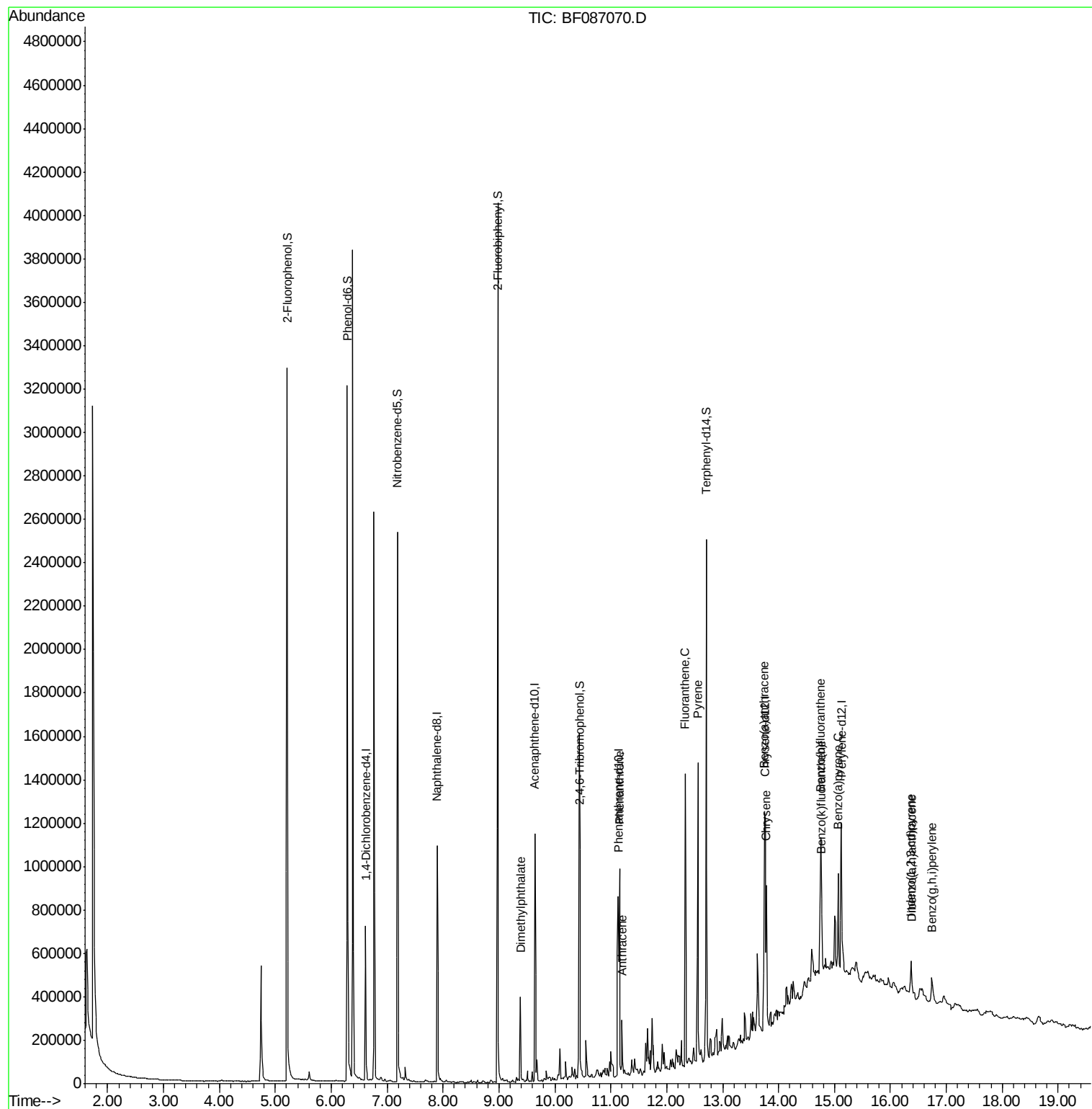
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
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ALS Vial : 89 Sample Multiplier: 1

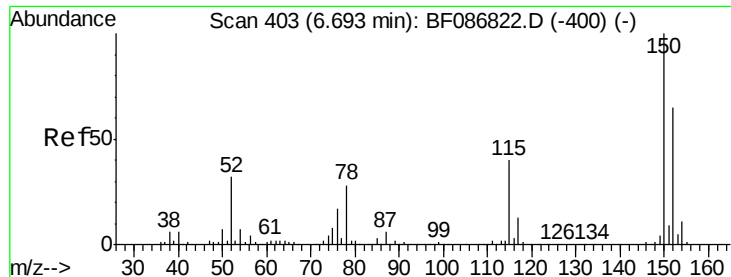
Instrument :
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WEST-ABOUTMENT-N.SIDE

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
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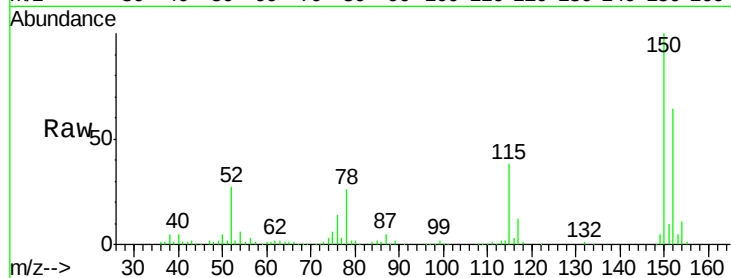




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 440
Delta R.T. 0.00 min
Lab File: BF087070.D
Acq: 15 May 2016 15:28

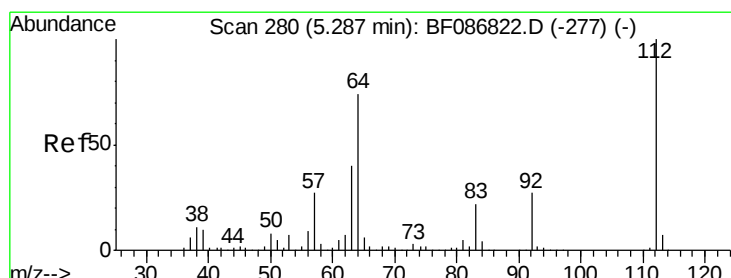
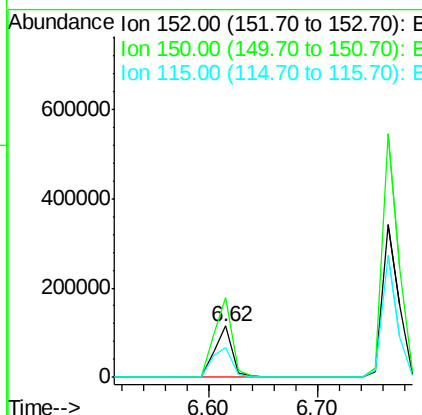
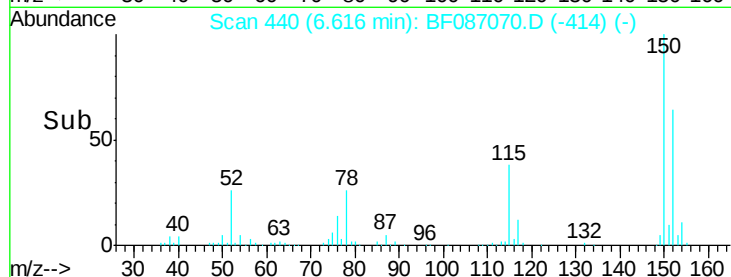
Instrument :
BNA_F
ClientSampleId :
WEST-ABOUTMENT-N.SIDE



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

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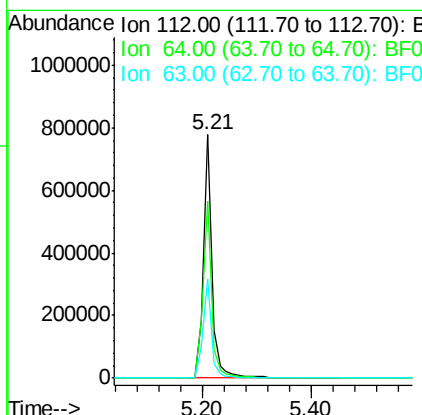
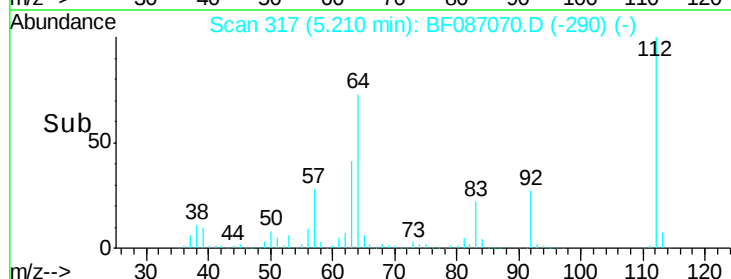
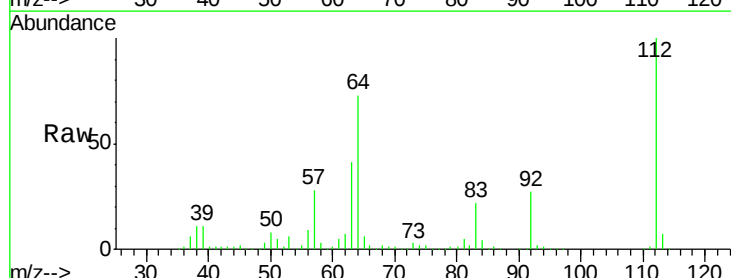
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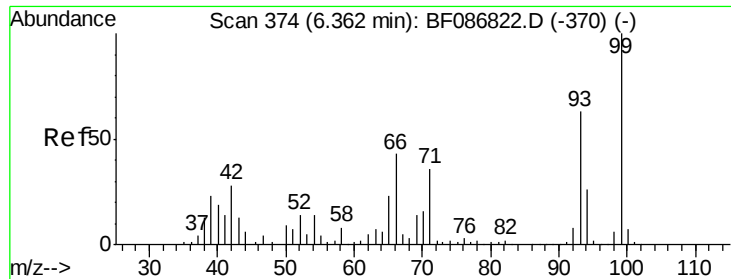


#5

2-Fluorophenol
Concen: 110.32 ng
RT: 5.21 min Scan# 317
Delta R.T. 0.01 min
Lab File: BF087070.D
Acq: 15 May 2016 15:28

Tgt 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. 0.00 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

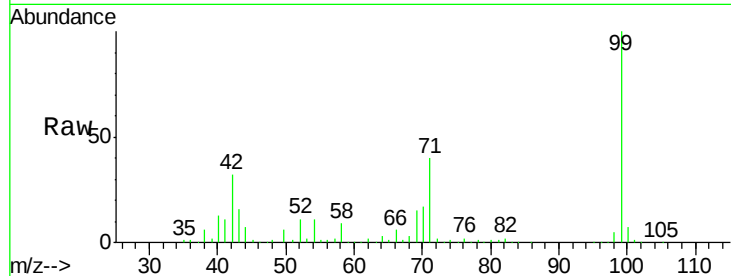
42 31.8 13.6 20.4#

71 40.4 24.6 36.8#

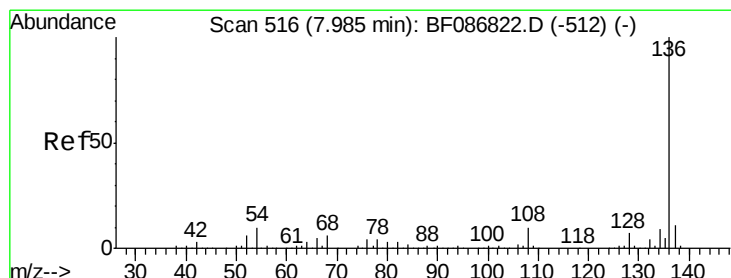
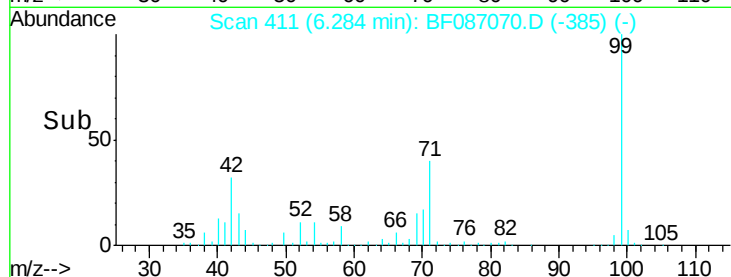
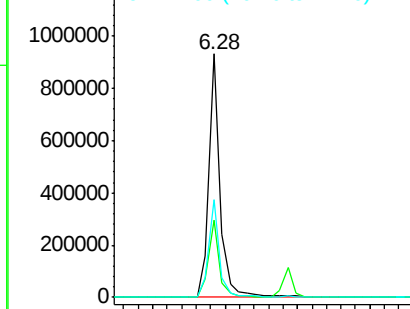
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF087070.D

Acq: 15 May 2016 15:28

Tgt Ion: 136 Resp: 529436

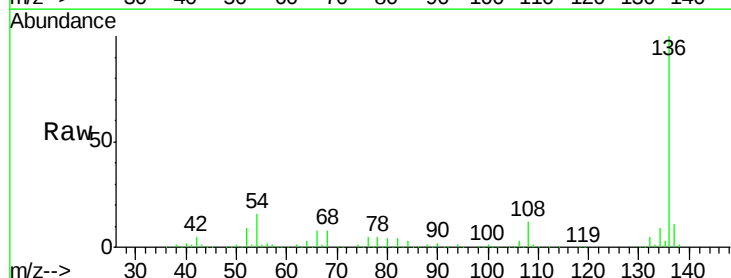
Ion Ratio Lower Upper

136 100

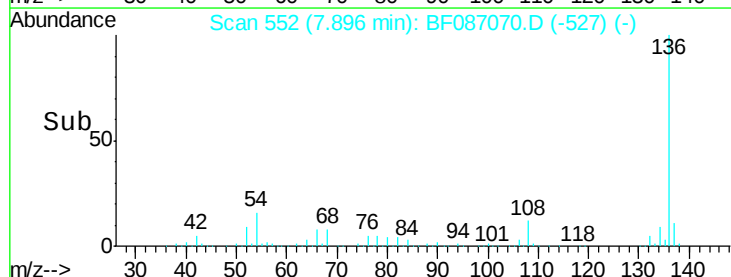
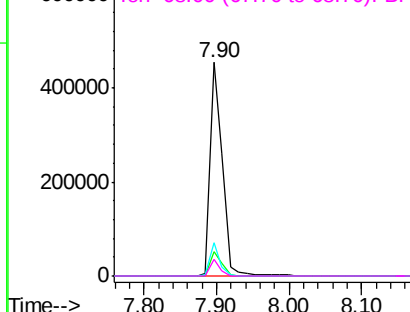
137 11.2 8.8 13.2

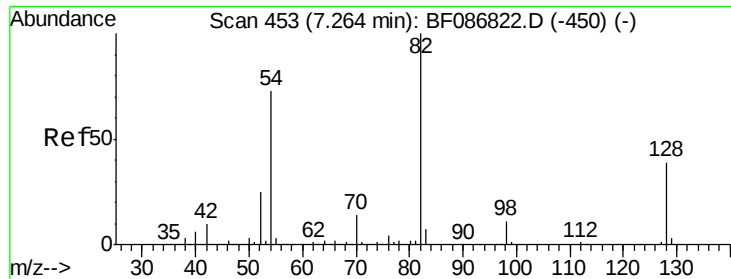
54 15.7 5.0 7.4#

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





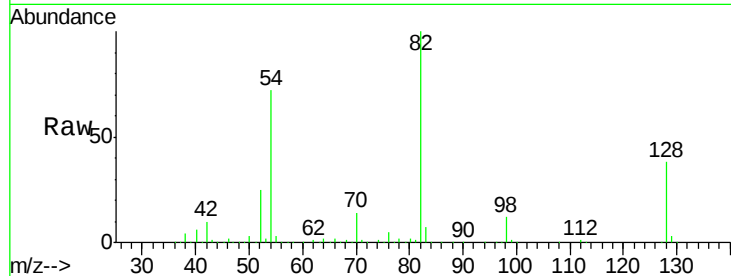
#23
 Nitrobenzene-d5
 Concen: 71.30 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.01 min
 Lab File: BF087070.D
 Acq: 15 May 2016 15:28

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

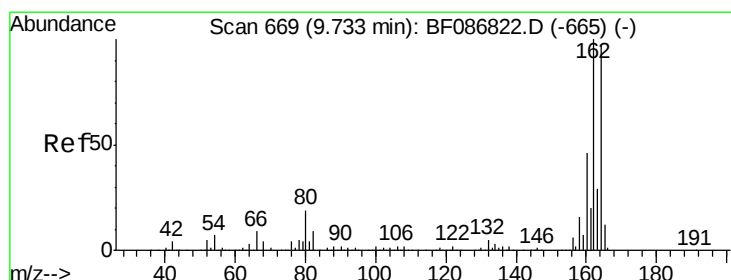
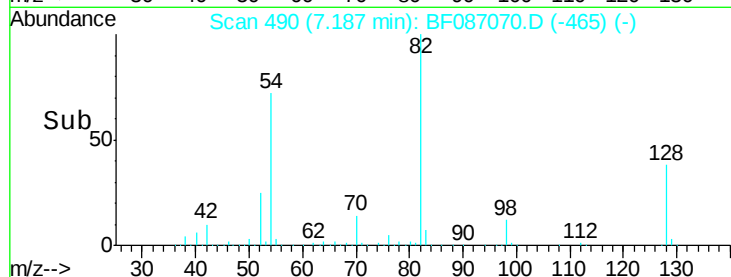
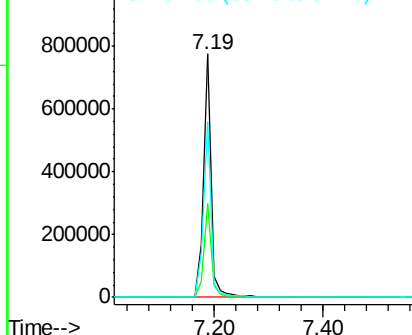
Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.3	40.6	61.0#
54	72.0	38.1	57.1#

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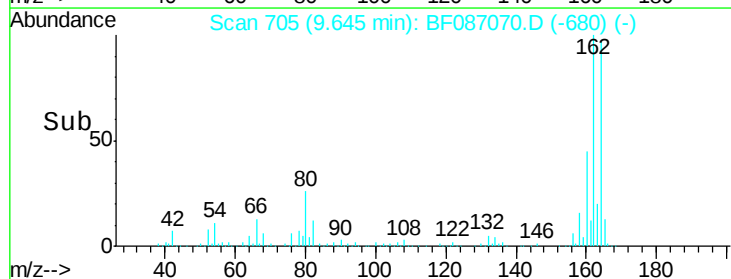
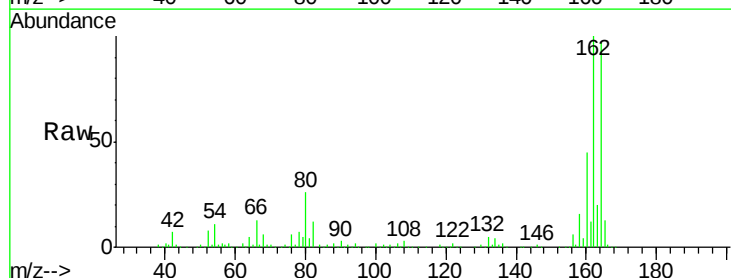
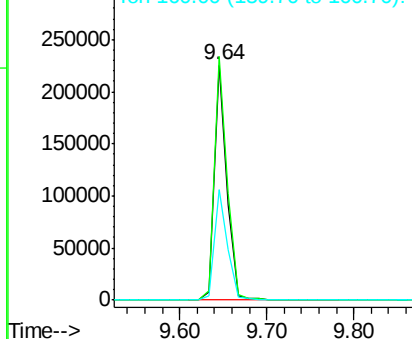
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

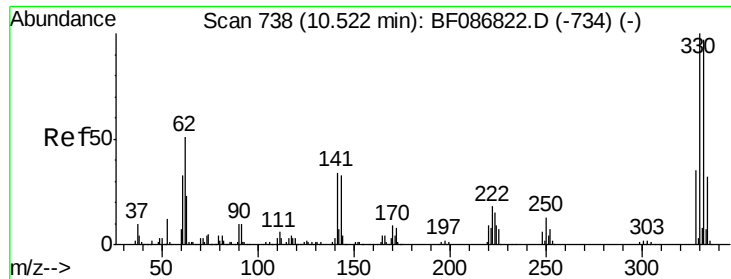


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: BF087070.D
 Acq: 15 May 2016 15:28

Tgt 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





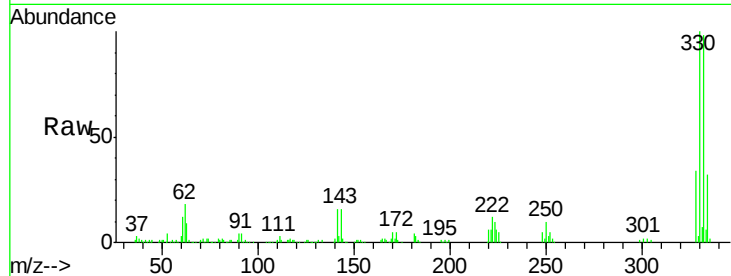
#41
 2,4,6-Tribromophenol
 Concen: 92.56 ng
 RT: 10.44 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: BF087070.D
 Acq: 15 May 2016 15:28

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

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

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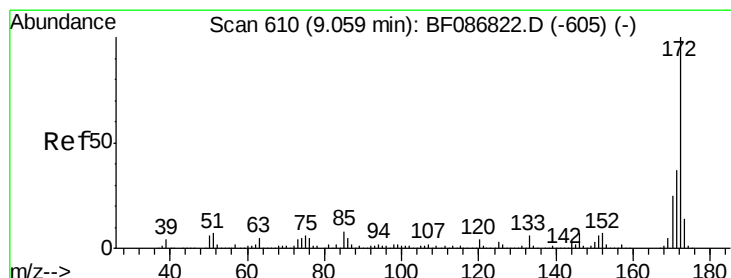
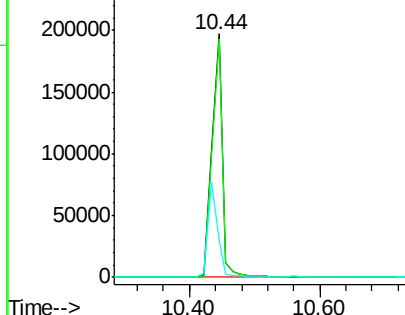
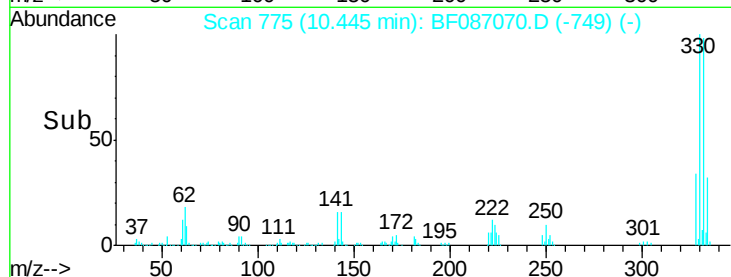


Abundance

Ion 329.80 (329.50 to 330.50): E

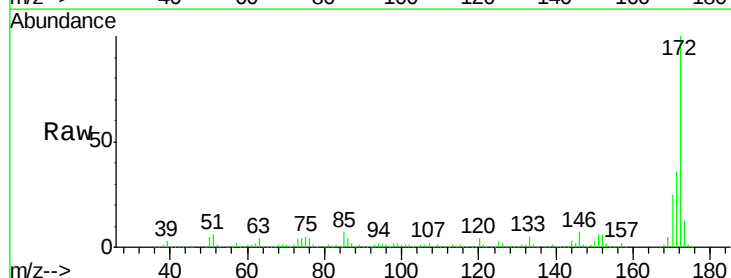
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 85.01 ng
 RT: 8.98 min Scan# 647
 Delta R.T. 0.00 min
 Lab File: BF087070.D
 Acq: 15 May 2016 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1162881		
171	36.5	29.0	43.6	
170	24.6	19.8	29.8	

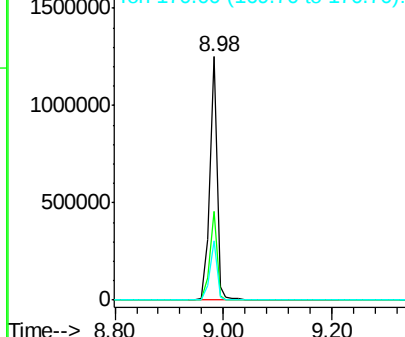
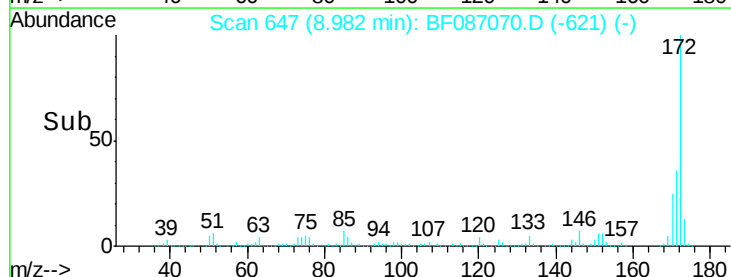


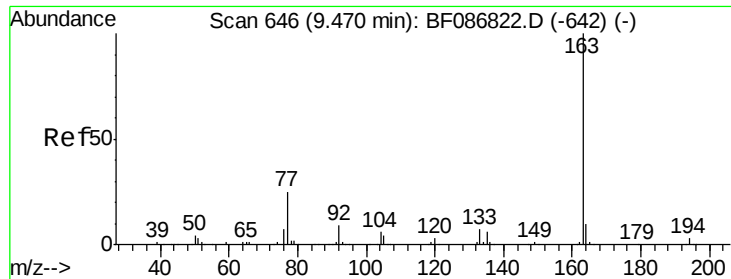
Abundance

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





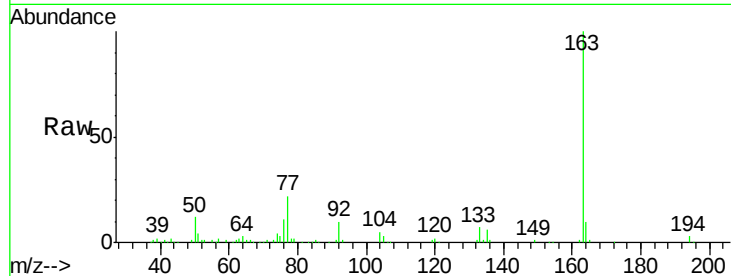
#49
Dimethylphthalate
Concen: 8.04 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF087070.D
Acq: 15 May 2016 15:28

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

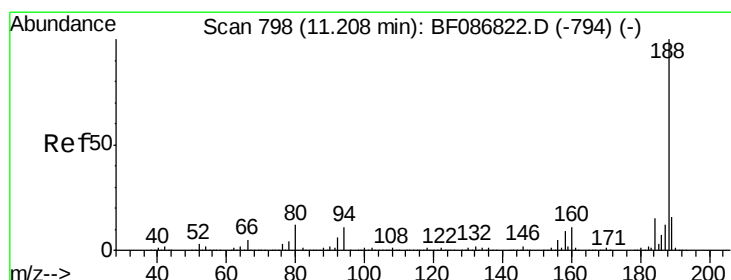
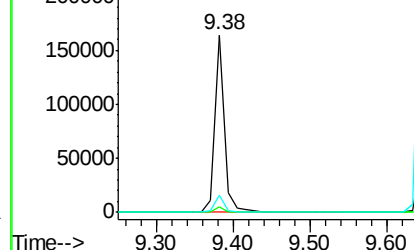
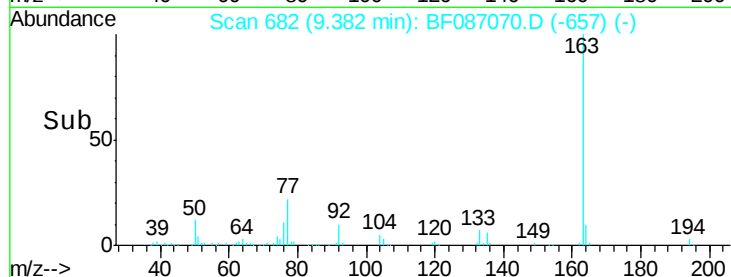
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	141037		
194	2.9	2.6	4.0	
164	9.7	8.2	12.4	

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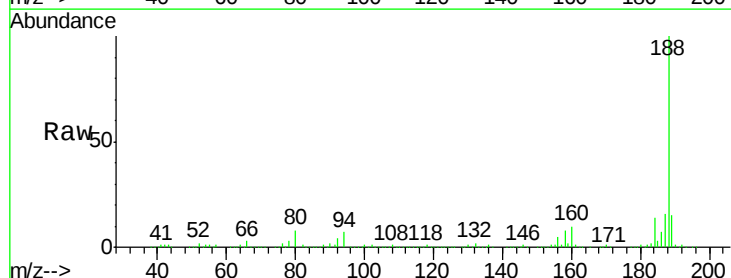


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

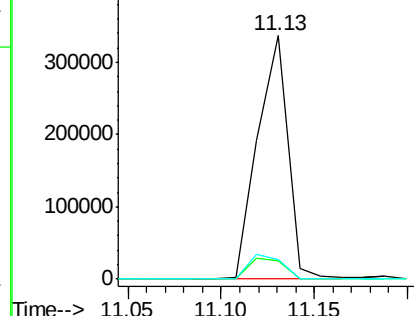
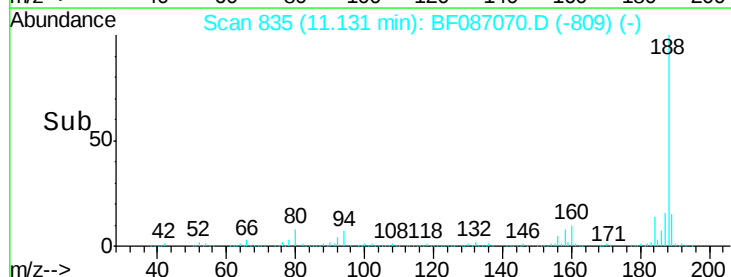


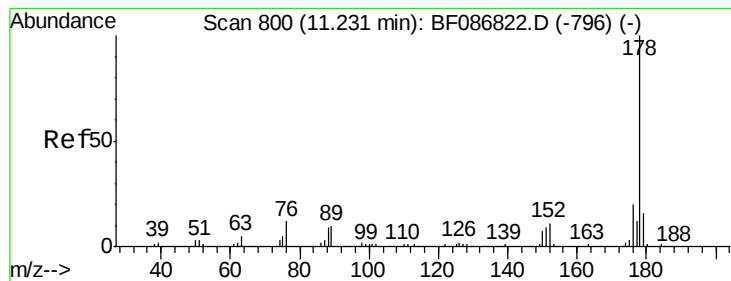
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. 0.00 min
Lab File: BF087070.D
Acq: 15 May 2016 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	377857		
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





#70

Phenanthrene

Concen: 20.73 ng

RT: 11.15 min Scan# 837

Delta R.T. 0.00 min

Lab File: BF087070.D

Acq: 15 May 2016 15:28

Instrument :

BNA_F

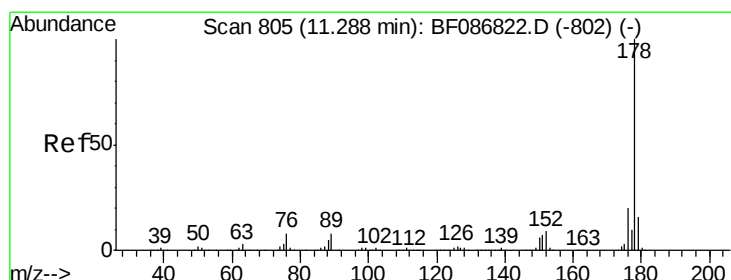
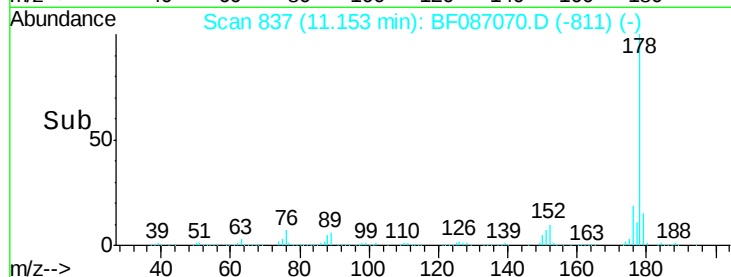
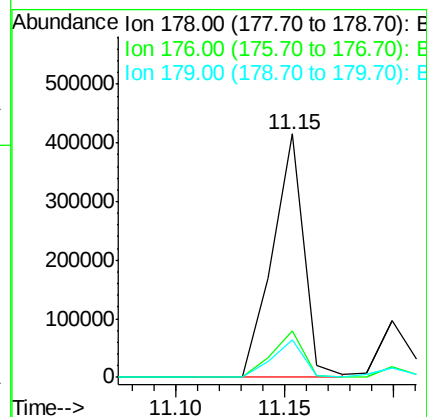
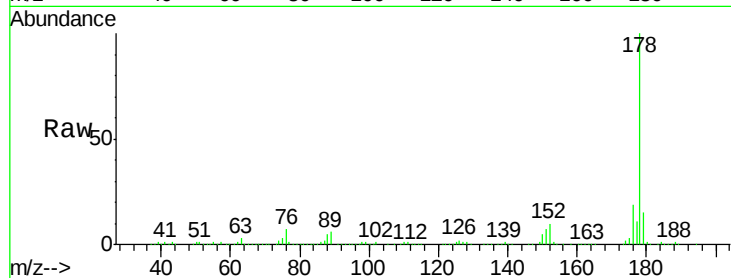
ClientSampleId :

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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

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#71

Anthracene

Concen: 5.01 ng

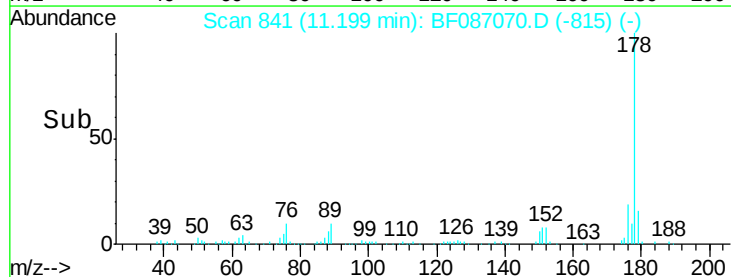
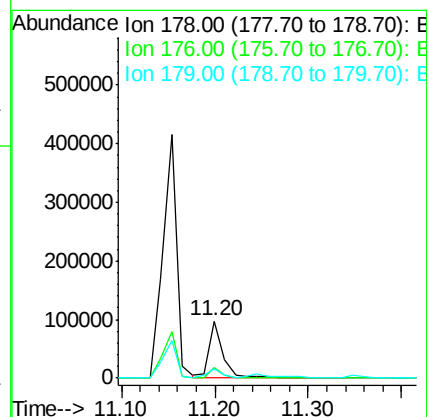
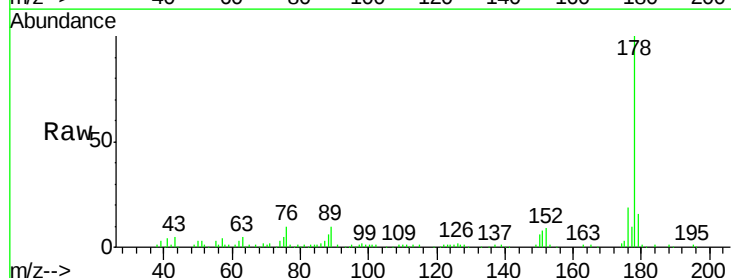
RT: 11.20 min Scan# 841

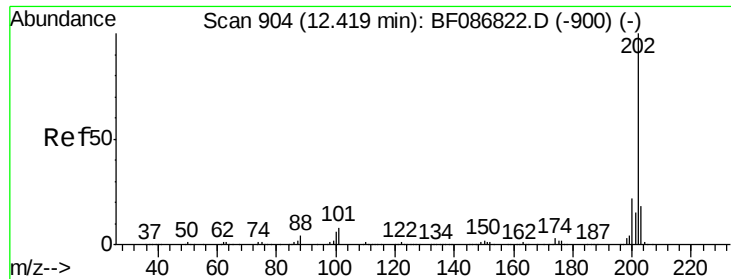
Delta R.T. 0.00 min

Lab File: BF087070.D

Acq: 15 May 2016 15:28

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





#74

Fluoranthene

Concen: 26.20 ng

RT: 12.33 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF087070.D

Acq: 15 May 2016 15:28

Instrument :

BNA_F

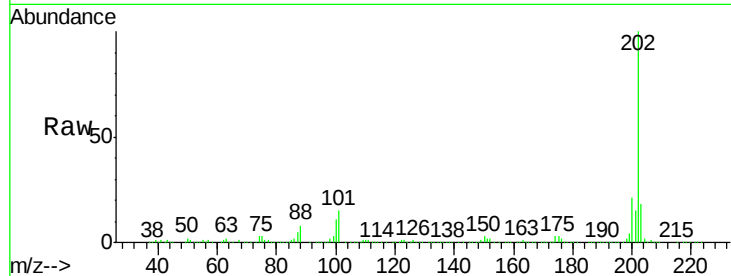
ClientSampleId :

WEST-ABOUTMENT-N.SIDE

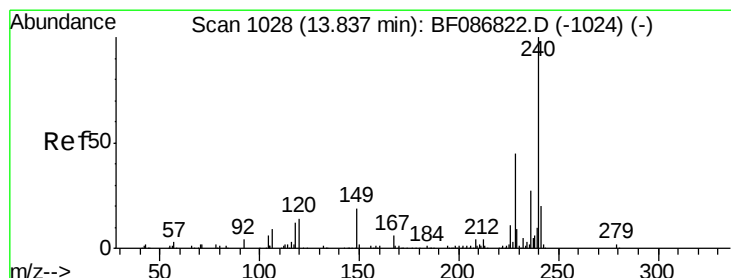
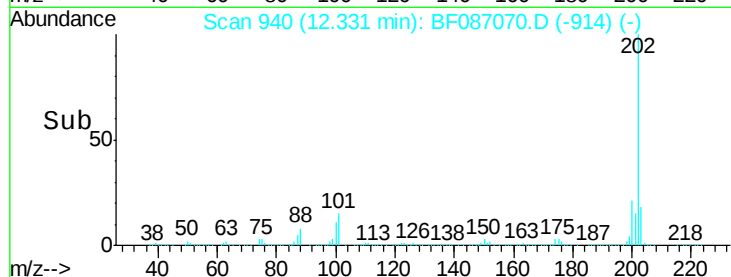
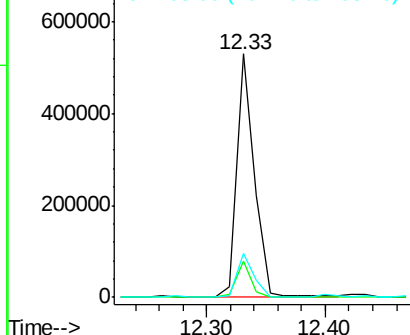
Tgt	Ion	202	Resp:	543318
Ion	Ratio	Lower	Upper	
202	100			
101	14.6	0.0	35.4	
203	17.9	0.0	38.1	

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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

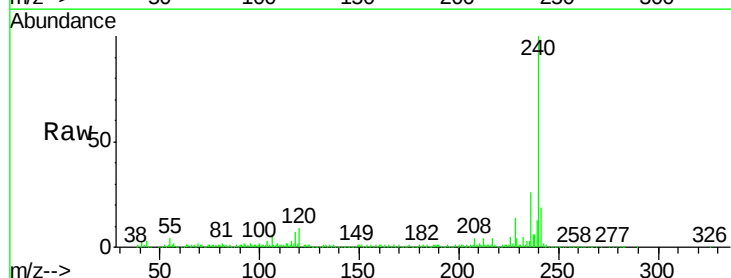
RT: 13.76 min Scan# 1065

Delta R.T. 0.00 min

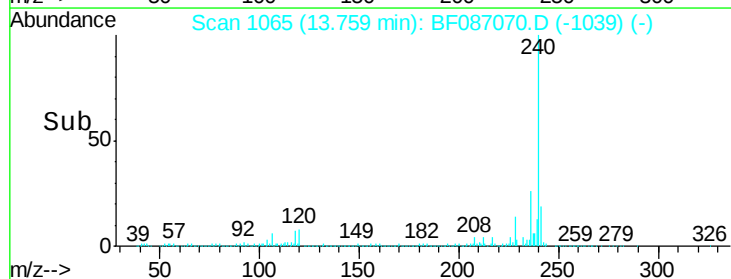
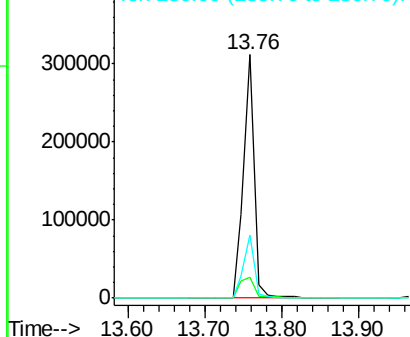
Lab File: BF087070.D

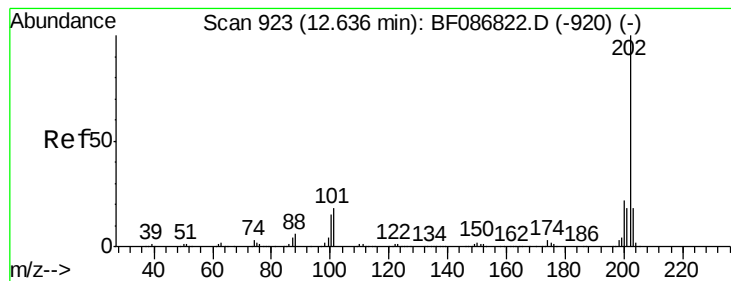
Acq: 15 May 2016 15:28

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. 0.00 min

Lab File: BF087070.D

Acq: 15 May 2016 15:28

Instrument :

BNA_F

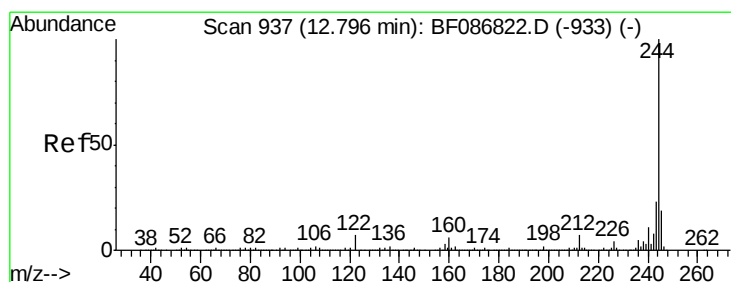
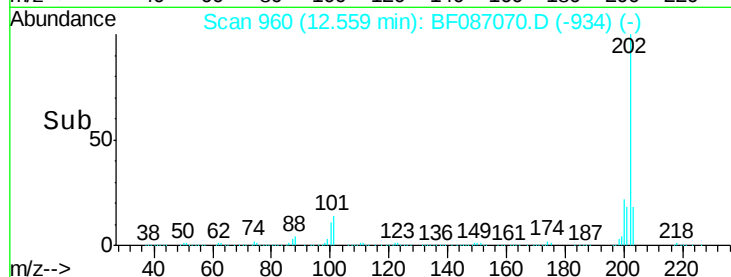
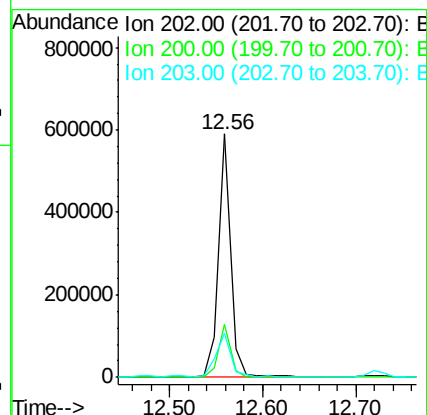
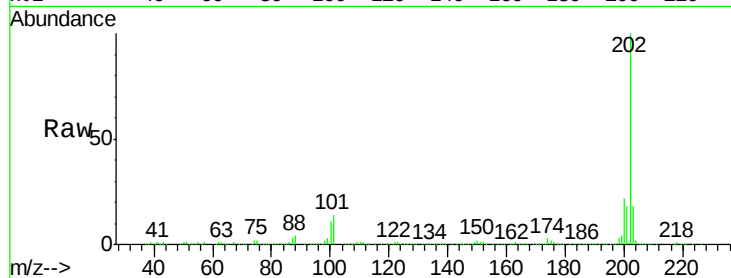
ClientSampleId :

WEST-ABOUTMENT-N.SIDE

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

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#78

Terphenyl-d14

Concen: 51.75 ng

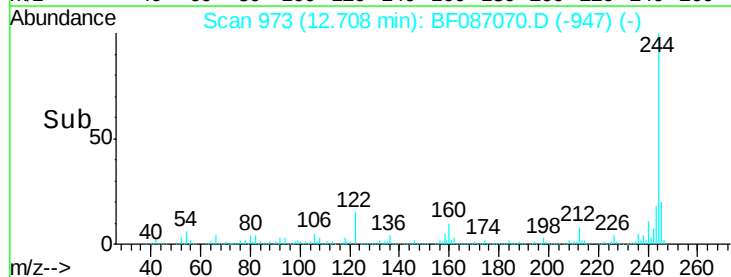
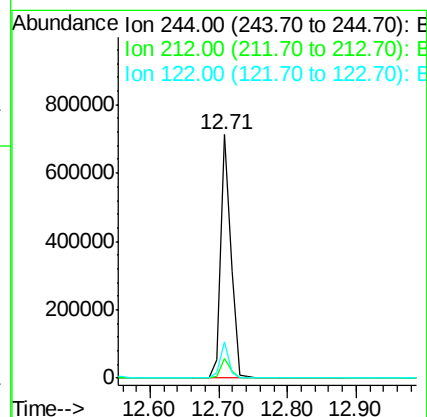
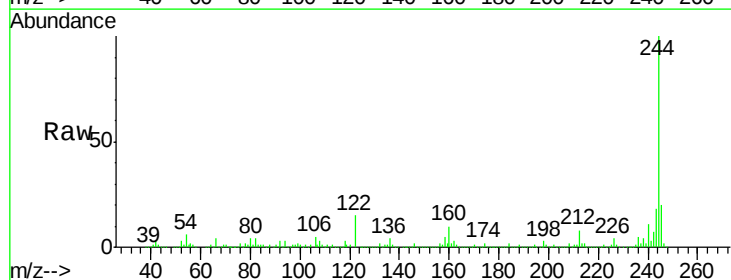
RT: 12.71 min Scan# 973

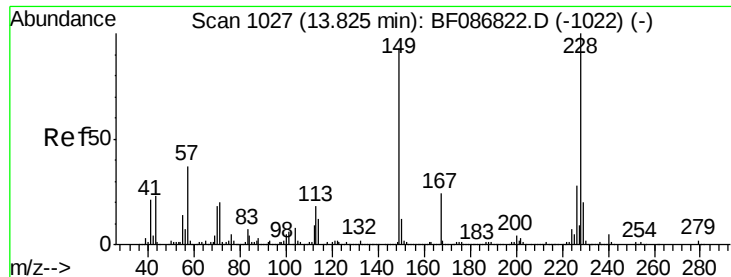
Delta R.T. 0.00 min

Lab File: BF087070.D

Acq: 15 May 2016 15:28

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





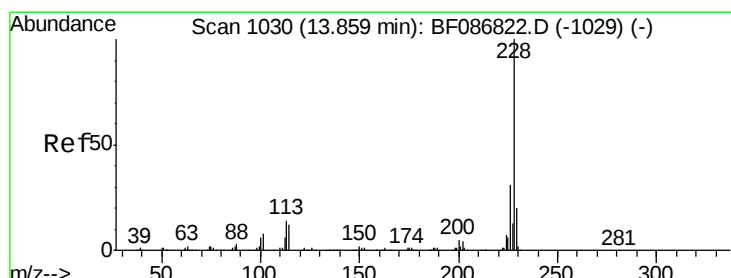
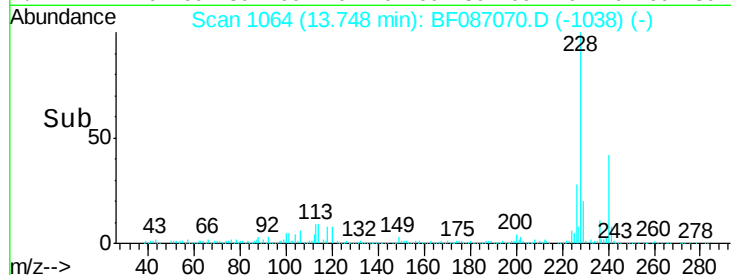
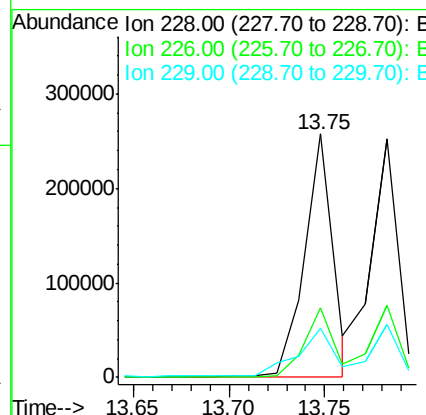
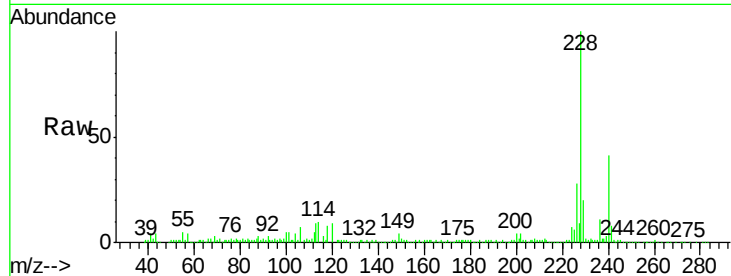
#80
Benzo(a)anthracene
Concen: 15.39 ng m
RT: 13.75 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BF087070.D
Acq: 15 May 2016 15:28

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

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

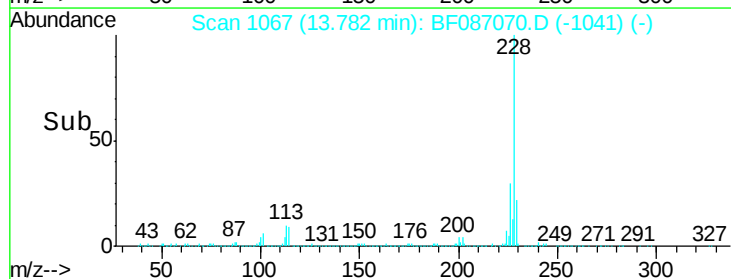
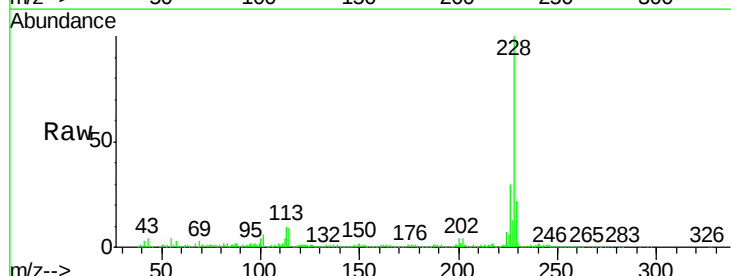
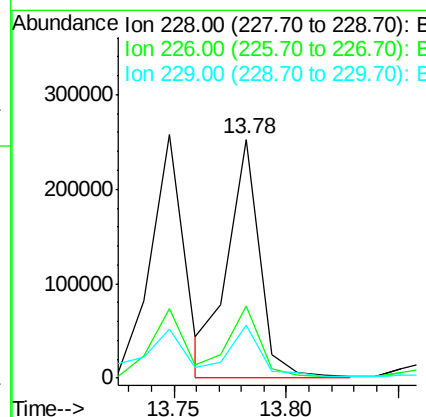
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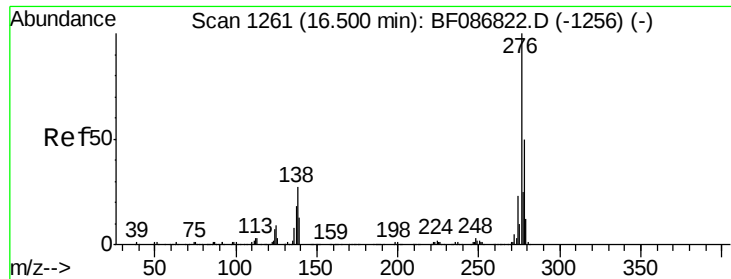
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#82
Chrysene
Concen: 14.25 ng m
RT: 13.78 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BF087070.D
Acq: 15 May 2016 15:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.4	36.6
229	22.4	15.8	23.8





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.59 ng

RT: 16.37 min Scan# 1293

Delta R.T. 0.00 min

Lab File: BF087070.D

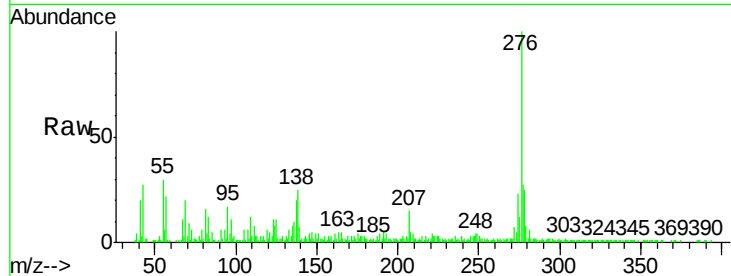
Acq: 15 May 2016 15:28

Instrument :

BNA_F

ClientSampleId :

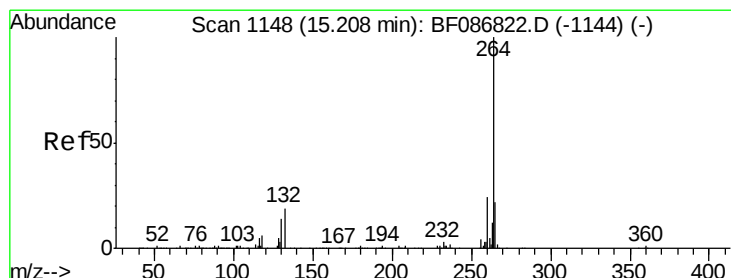
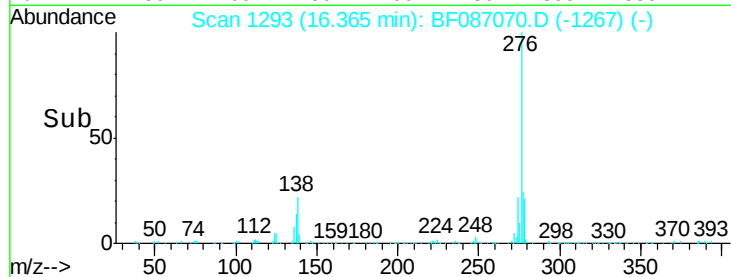
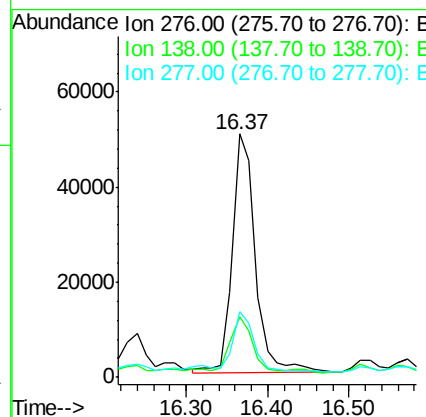
WEST-ABOUTMENT-N.SIDE



Tgt Ion:	276	Resp:	97389
Ion Ratio	Lower	Upper	
276	100		
138	20.2	25.6	38.4#
277	28.1	20.5	30.7

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#86

Perylene-d12

Concen: 20.00 ng

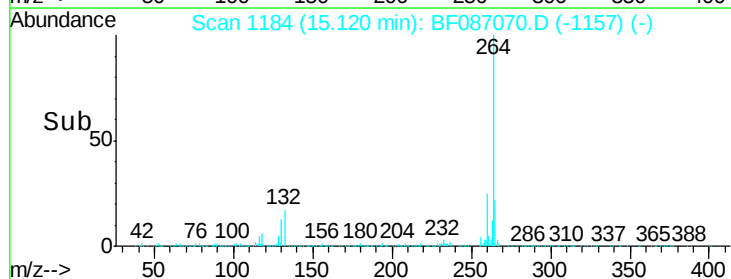
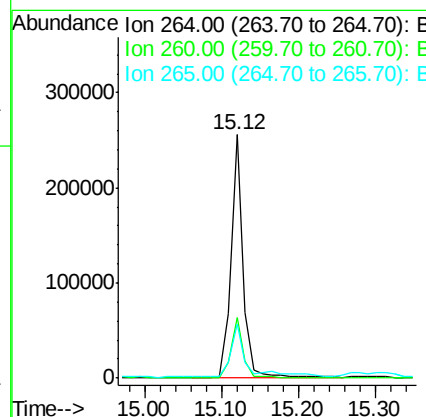
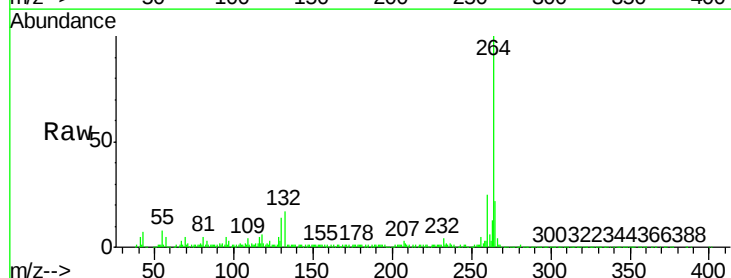
RT: 15.12 min Scan# 1184

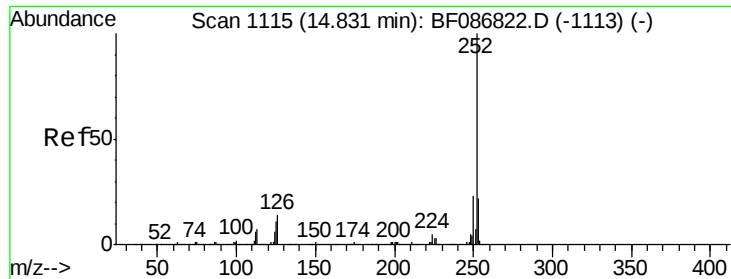
Delta R.T. 0.01 min

Lab File: BF087070.D

Acq: 15 May 2016 15:28

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





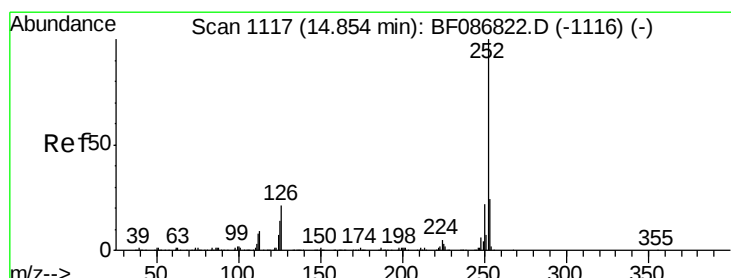
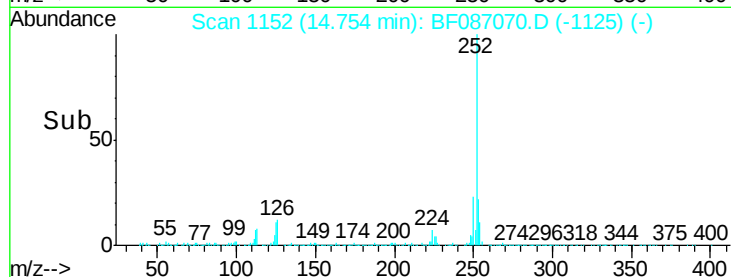
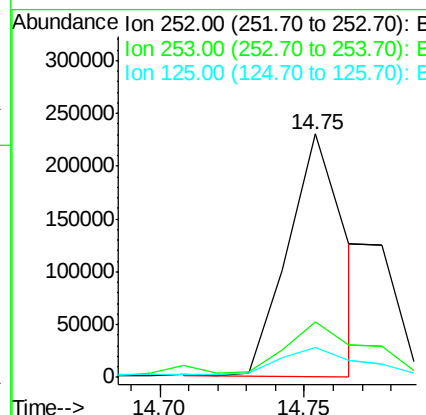
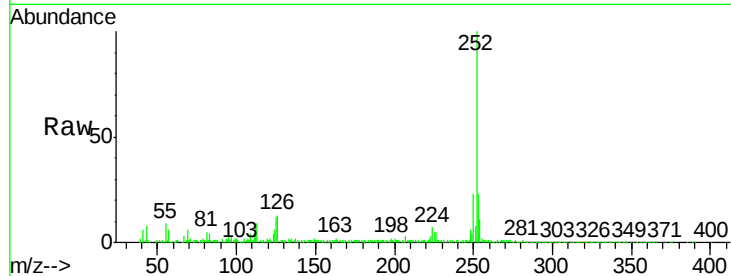
#87
Benzo(b)fluoranthene
Concen: 16.89 ng m
RT: 14.75 min Scan# 1152
Delta R.T. 0.01 min
Lab File: BF087070.D
Acq: 15 May 2016 15:28

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

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

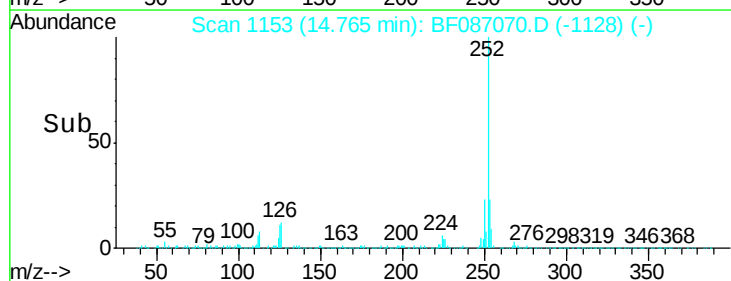
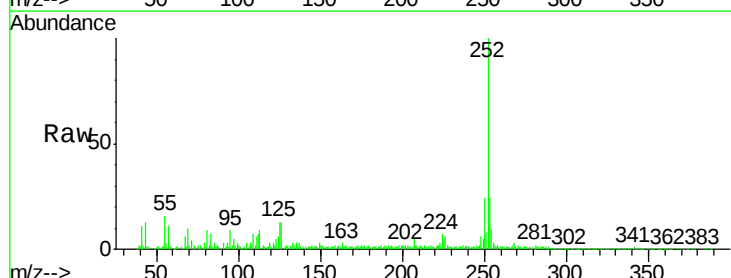
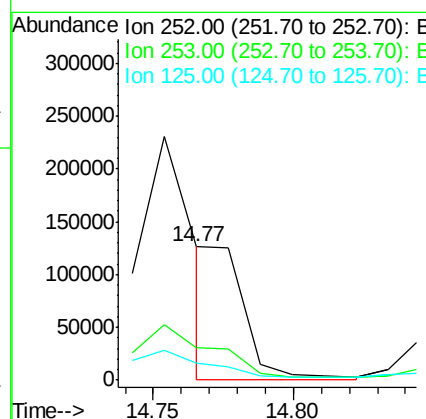
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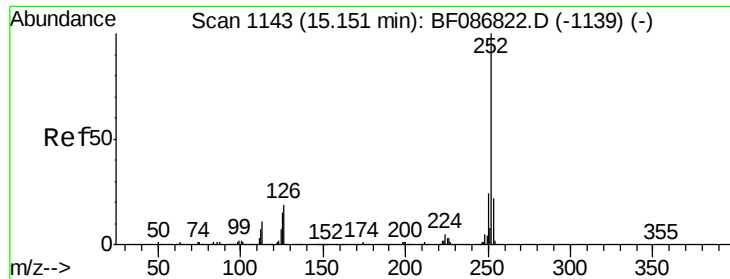
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#88
Benzo(k)fluoranthene
Concen: 6.83 ng m
RT: 14.77 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF087070.D
Acq: 15 May 2016 15:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	13.2	9.1	13.7





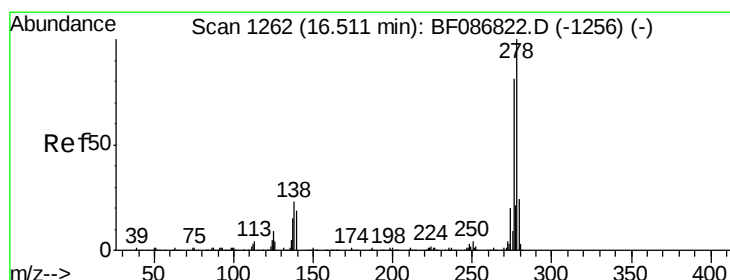
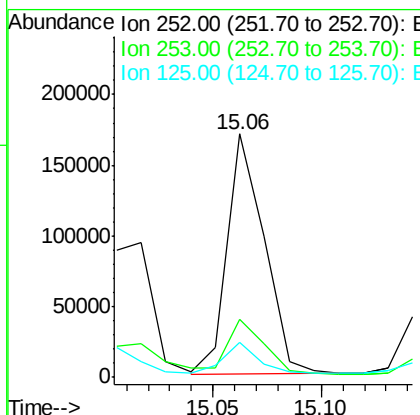
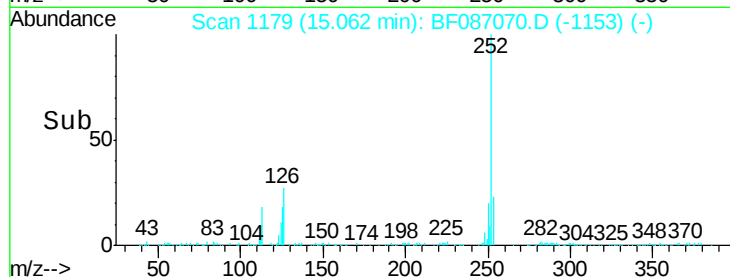
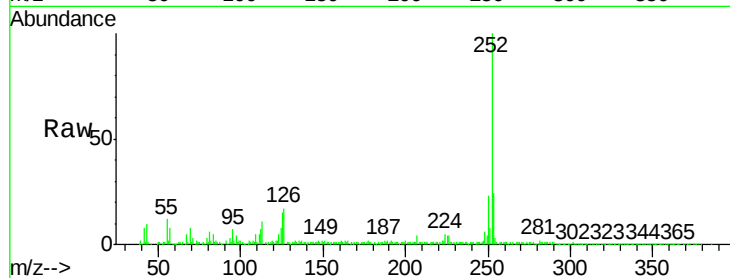
#89
Benzo(a)pyrene
Concen: 12.69 ng m
RT: 15.06 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BF087070.D
Acq: 15 May 2016 15:28

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

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	204211		
253	23.8	17.2	25.8	
125	14.6	9.0	13.6	

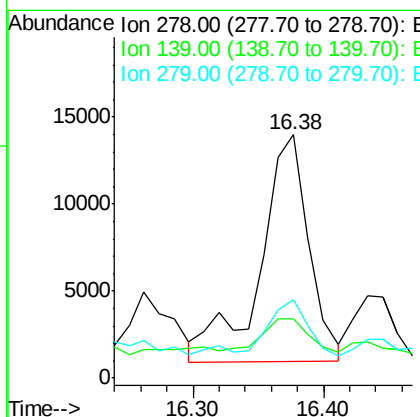
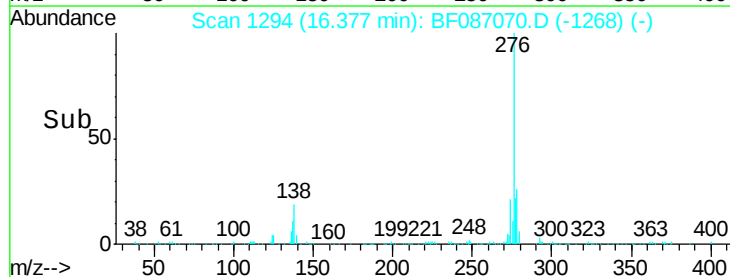
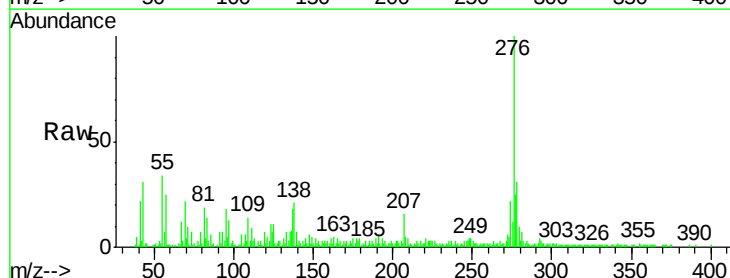
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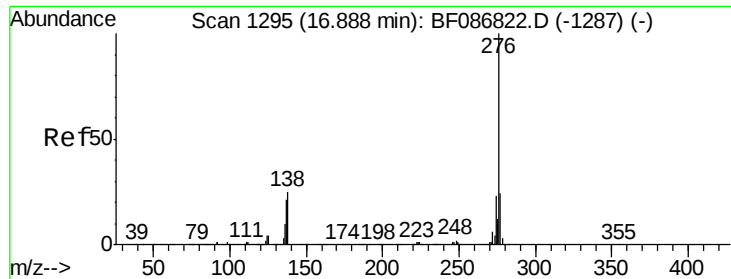
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#90
Dibenzo(a,h)anthracene
Concen: 2.50 ng
RT: 16.38 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BF087070.D
Acq: 15 May 2016 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	33941		
139	24.4	16.6	24.8	
279	32.1	19.6	29.4	





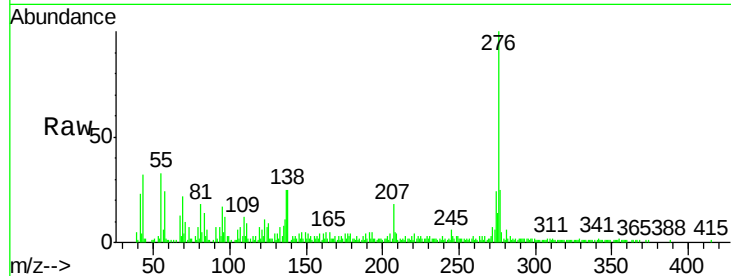
#91
 Benzo(g,h,i)perylene
 Concen: 5.97 ng
 RT: 16.74 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: BF087070.D
 Acq: 15 May 2016 15:28

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

Manual Integrations
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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

