

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080115\
 Data File : BF080795.D
 Acq On : 1 Aug 2015 22:38
 Operator : TP/UM
 Sample : G3125-03
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WEST-ABUT-3(0-2)

Quant Time: Aug 03 03:51:20 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF073015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 31 01:45:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	146927	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	502132	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	195266	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	305433	20.00	ng	0.00
75) Chrysene-d12	14.00	240	363606	20.00	ng	0.00
86) Perylene-d12	15.43	264	299039	20.00	ng	0.01

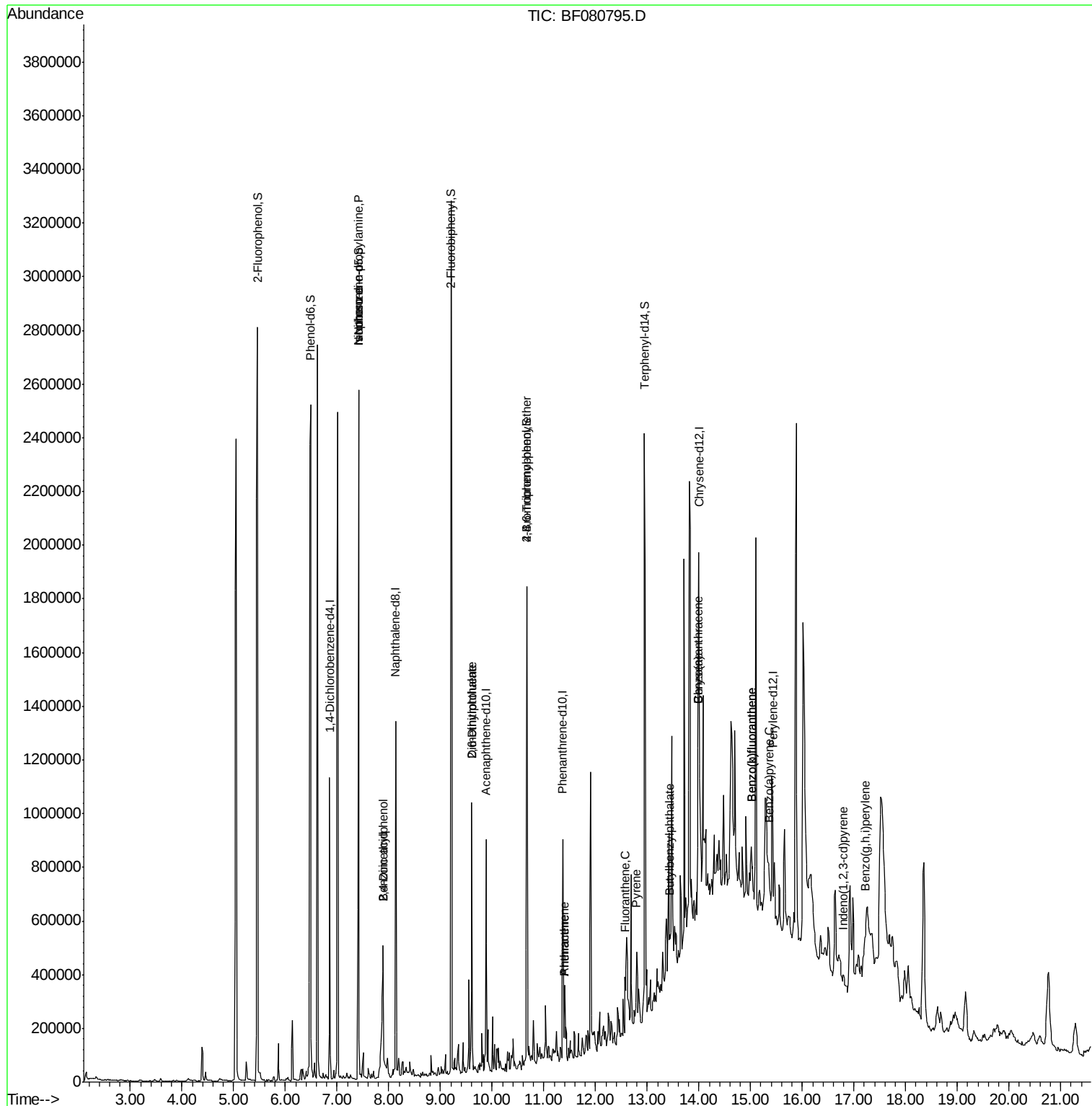
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	926617	108.19	ng	0.01
7) Phenol-d6	6.49	99	1272367	109.12	ng	0.00
23) Nitrobenzene-d5	7.41	82	750354	72.36	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	193628	95.56	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1138806	87.01	ng	-0.01
78) Terphenyl-d14	12.95	244	896328	46.62	ng	-0.01

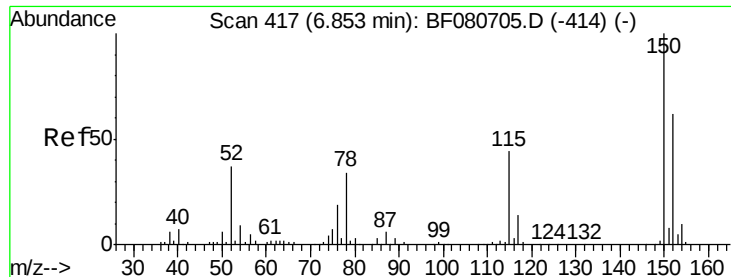
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	105056	13.38	ng	# 75
25) Isophorone	7.41	82	740025	40.13	ng	# 71
27) 2,4-Dimethylphenol	7.89	122	191791	24.21	ng	# 2
32) Benzoic acid	7.89	122	191791	34.61	ng	93
49) Dimethylphthalate	9.61	163	403385	29.32	ng	99
50) 2,6-Dinitrotoluene	9.61	165	5896	2.02	ng	# 32
60) 4-Chlorophenyl-phenylether	10.59	204	469	Below Cal		# 21
66) 4-Bromophenyl-phenylether	10.67	248	13040	4.14	ng	# 1
70) Phenanthrene	11.39	178	51287	3.33	ng	99
71) Anthracene	11.39	178	51287	3.39	ng	99
74) Fluoranthene	12.57	202	94396	6.35	ng	92
77) Pvrene	12.80	202	90507	3.21	ng	98
79) Butylbenzylphthalate	13.43	149	6996	2.25	ng	# 59
80) Benzo(a)anthracene	13.99	228	66713	3.05	ng	94
82) Chrysene	13.99	228	66713	3.14	ng	96
85) Indeno(1,2,3-cd)pyrene	16.80	276	27209	3.96	ng	# 79
87) Benzo(b)fluoranthene	15.01	252	112513	6.30	ng	# 88
88) Benzo(k)fluoranthene	15.01	252	112513	7.65	ng	# 89
89) Benzo(a)pvrene	15.36	252	45667	3.11	ng	# 79
91) Benzo(a,h,i)perylene	17.22	276	41401	3.20	ng	96

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

```
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Sample    : G3125-03  
Misc      :  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF080795.D

Acq: 1 Aug 2015 22:38

Instrument :

BNA_F

ClientSampleId :

WEST-ABUT-3(0-2)

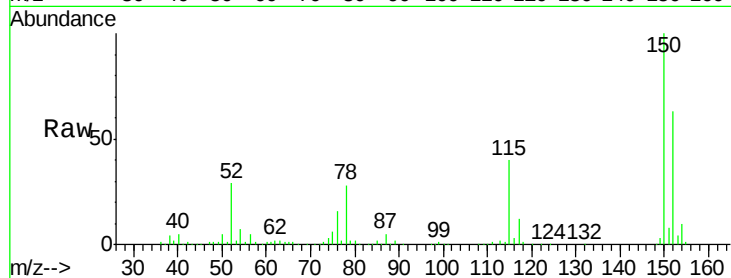
Tot Ion:152 Resp: 146927

Ion Ratio Lower Upper

152 100

150 159.3 129.6 194.4

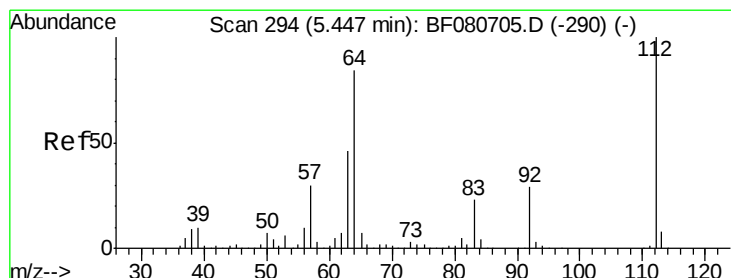
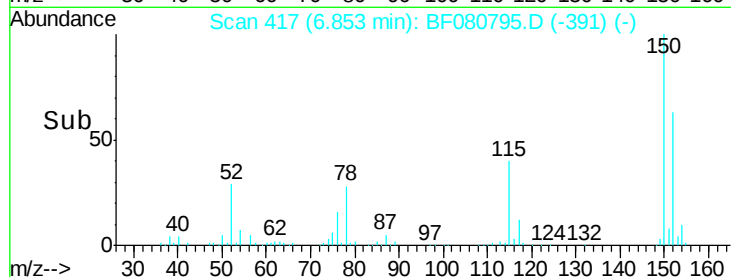
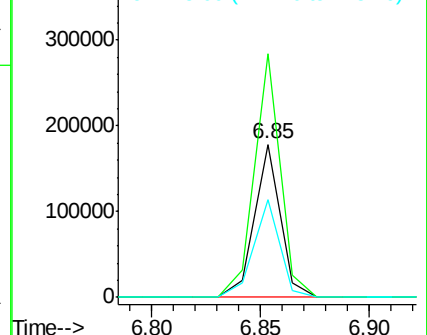
115 64.0 56.6 85.0



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: 108.19 ng

RT: 5.46 min Scan# 295

Delta R.T. 0.01 min

Lab File: BF080795.D

Acq: 1 Aug 2015 22:38

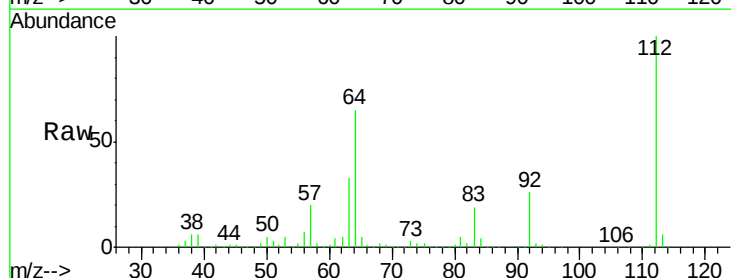
Tgt Ion:112 Resp: 926617

Ion Ratio Lower Upper

112 100

64 64.6 66.8 100.2#

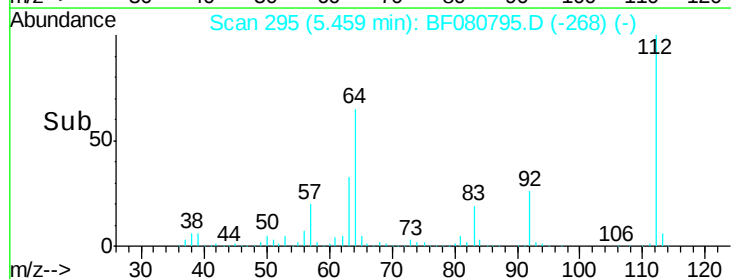
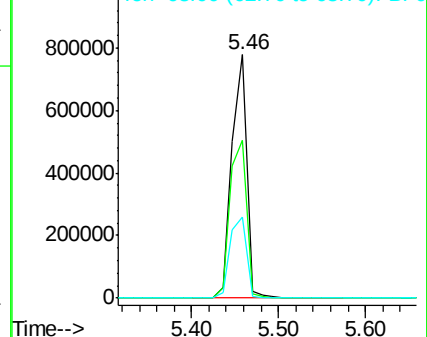
63 33.5 36.7 55.1#

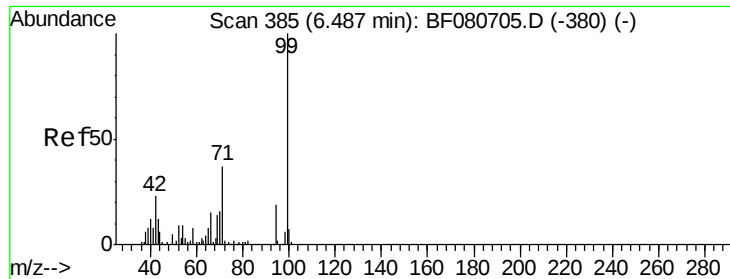


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 109.12 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF080795.D

Acq: 1 Aug 2015 22:38

Instrument :

BNA_F

ClientSampleId :

WEST-ABUT-3(0-2)

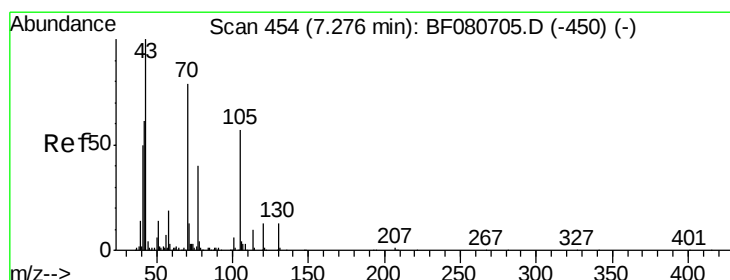
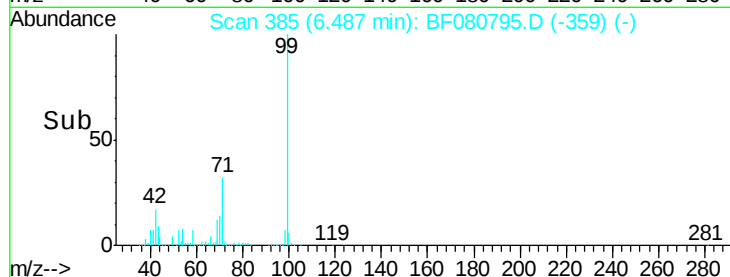
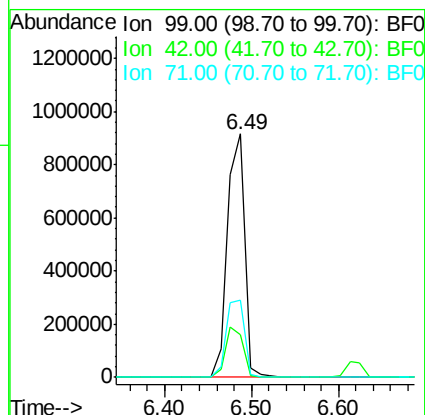
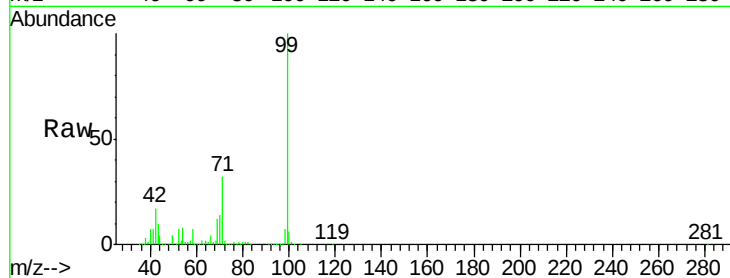
Tot Ion: 99 Resp: 1272367

Ion Ratio Lower Upper

99 100

42 17.4 18.2 27.2#

71 31.9 29.5 44.3



#19

n-Nitroso-di-n-propylamine

Concen: 13.38 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF080795.D

Acq: 1 Aug 2015 22:38

Tgt Ion: 70 Resp: 105056

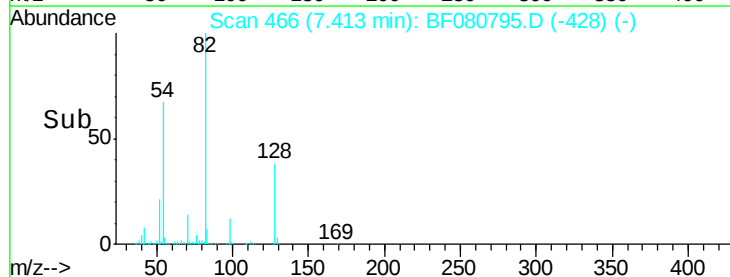
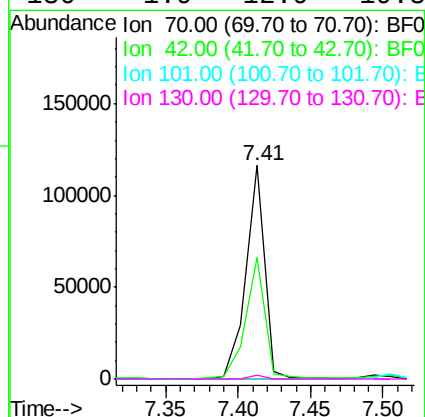
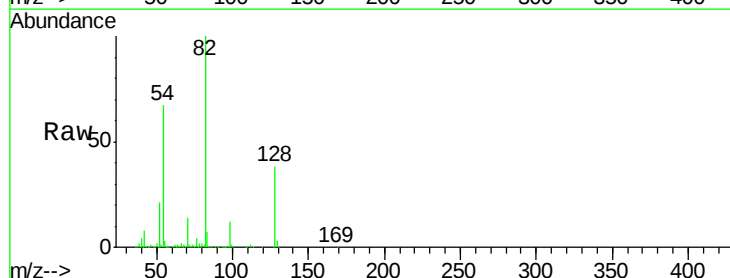
Ion Ratio Lower Upper

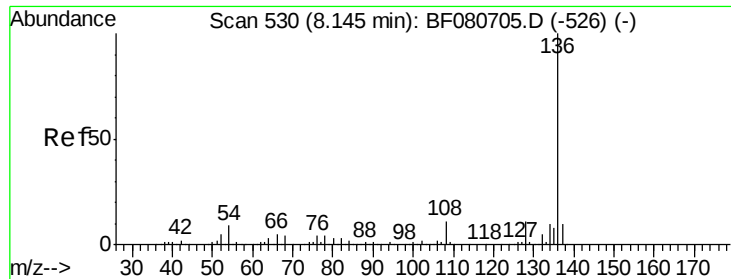
70 100

42 57.1 61.8 92.6#

101 0.0 6.1 9.1#

130 1.9 12.9 19.3#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF080795.D

Acq: 1 Aug 2015 22:38

Instrument :

BNA_F

ClientSampleId :

WEST-ABUT-3(0-2)

Tot Ion:136 Resp: 502132

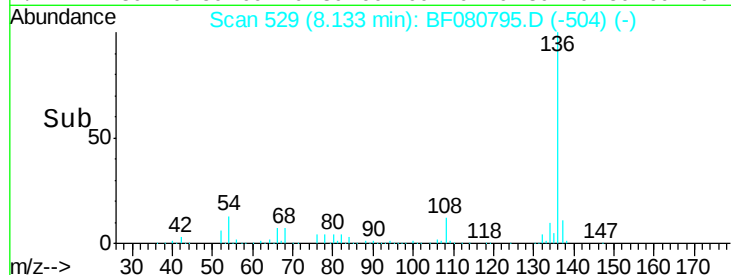
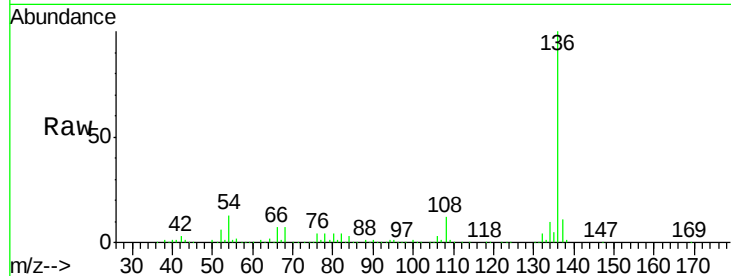
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 13.4 6.9 10.3#

68 6.9 3.5 5.3#

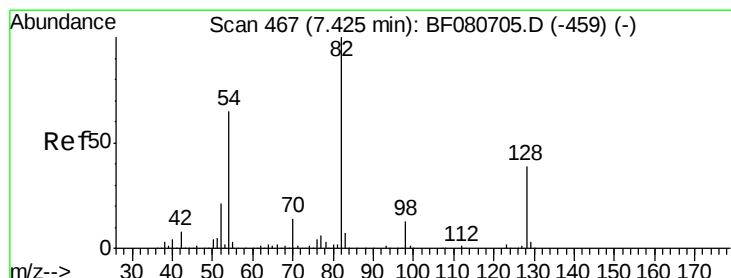
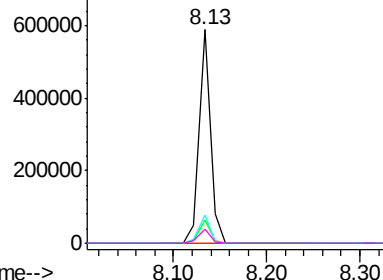


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.36 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.01 min

Lab File: BF080795.D

Acq: 1 Aug 2015 22:38

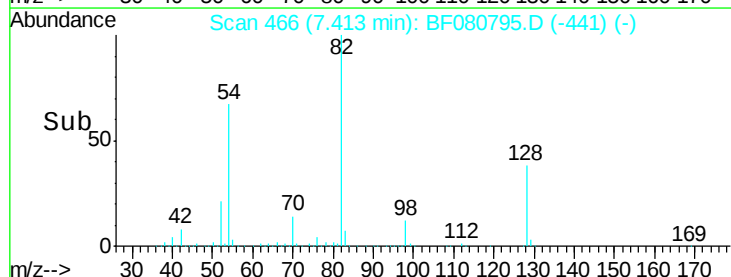
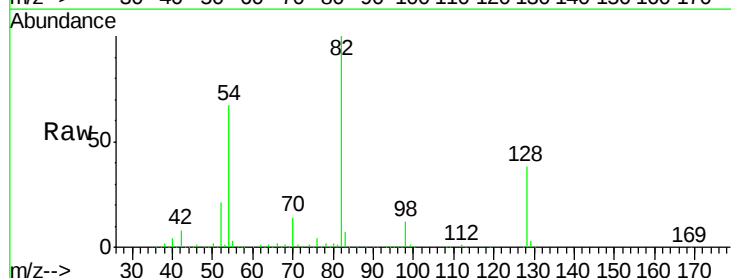
Tgt Ion: 82 Resp: 750354

Ion Ratio Lower Upper

82 100

128 38.0 31.5 47.3

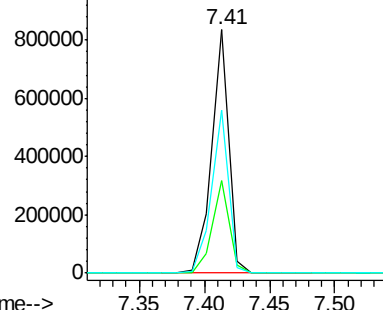
54 66.8 51.8 77.8

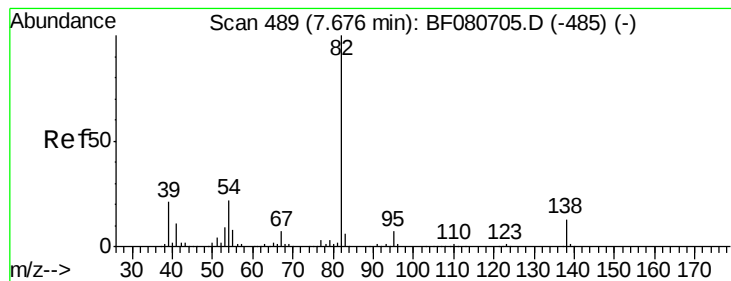


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 40.13 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.26 min

Lab File: BF080795.D

Acq: 1 Aug 2015 22:38

Instrument :

BNA_F

ClientSampleId :

WEST-ABUT-3(0-2)

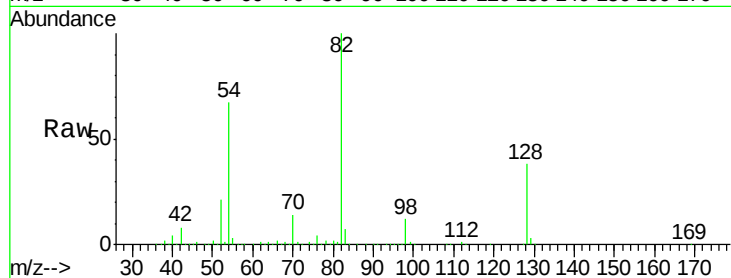
Tot Ion: 82 Resp: 740025

Ion Ratio Lower Upper

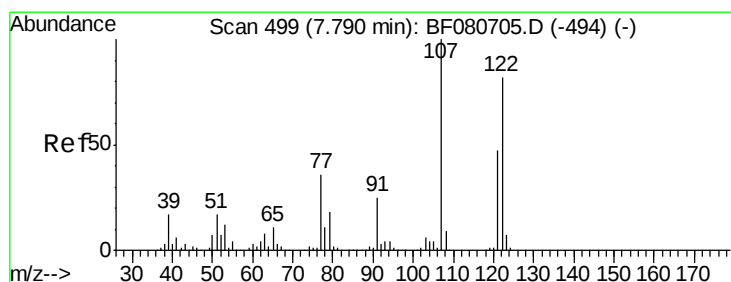
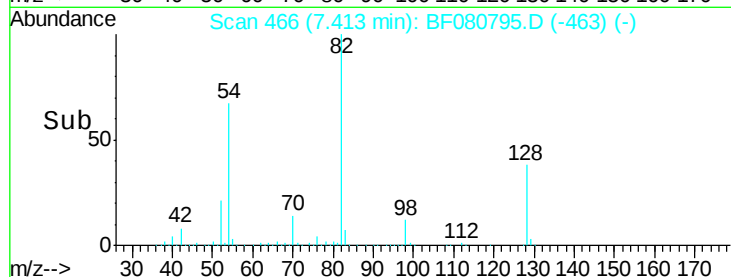
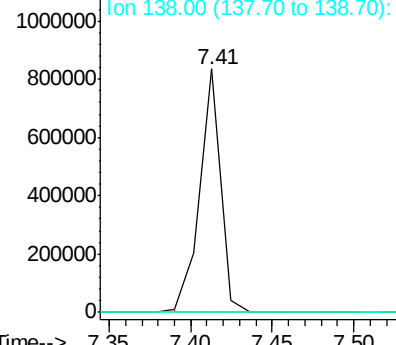
82 100

95 0.1 5.8 8.6#

138 0.0 10.7 16.1#



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): E



#27

2,4-Dimethylphenol

Concen: 24.21 ng

RT: 7.89 min Scan# 508

Delta R.T. 0.10 min

Lab File: BF080795.D

Acq: 1 Aug 2015 22:38

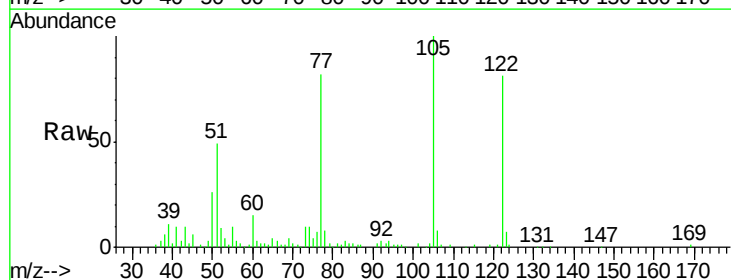
Tgt Ion:122 Resp: 191791

Ion Ratio Lower Upper

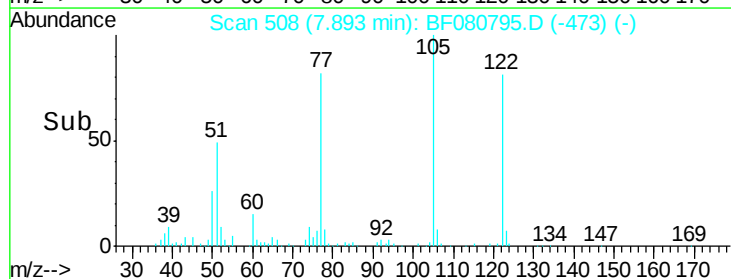
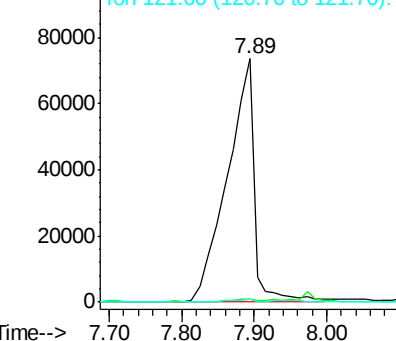
122 100

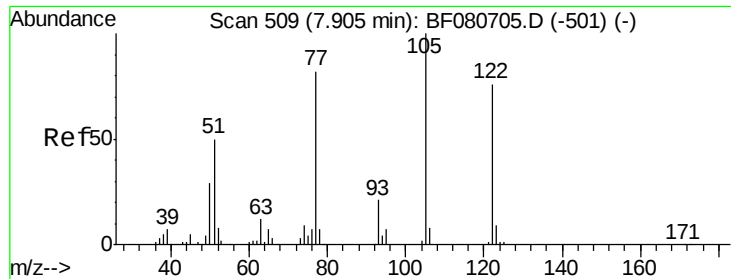
107 1.0 98.1 147.1#

121 1.2 45.8 68.8#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E





#32

Benzoic acid

Concen: 34.61 ng

RT: 7.89 min Scan# 508

Delta R.T. -0.01 min

Lab File: BF080795.D

Acq: 1 Aug 2015 22:38

Instrument :

BNA_F

ClientSampleId :

WEST-ABUT-3(0-2)

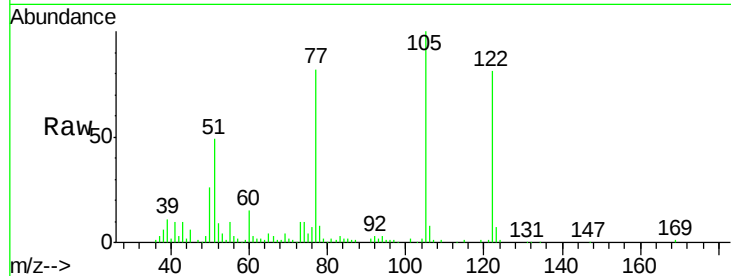
Tot Ion:122 Resp: 191791

Ion Ratio Lower Upper

122 100

105 123.1 111.3 151.3

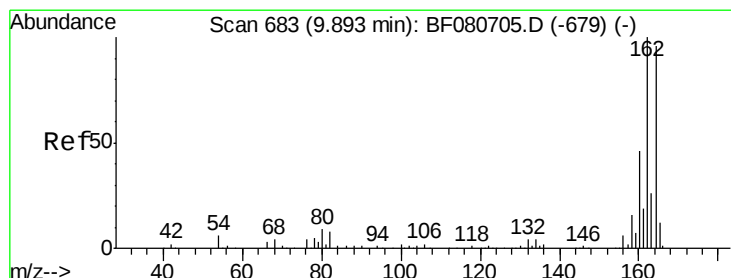
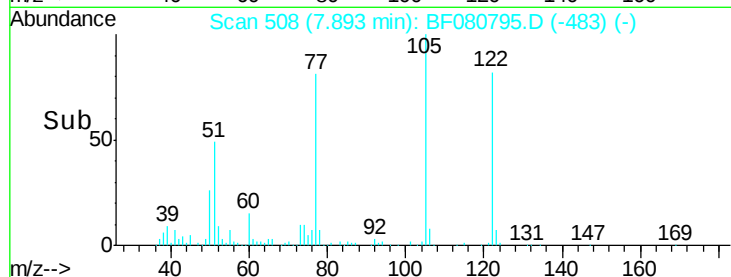
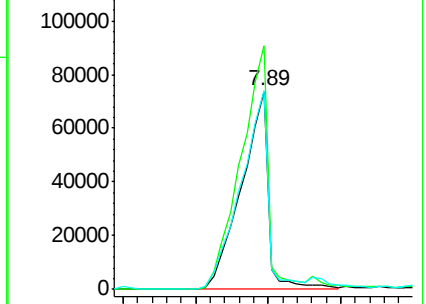
77 100.7 88.1 128.1



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF080795.D

Acq: 1 Aug 2015 22:38

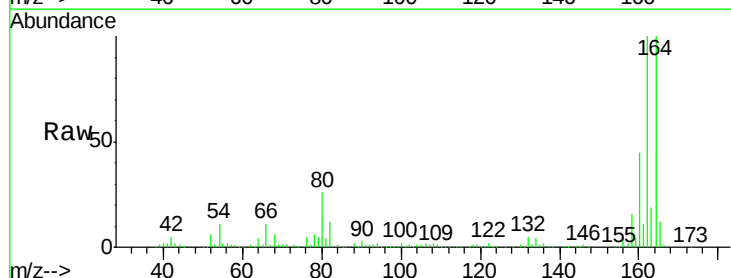
Tgt Ion:164 Resp: 195266

Ion Ratio Lower Upper

164 100

162 99.9 83.4 125.0

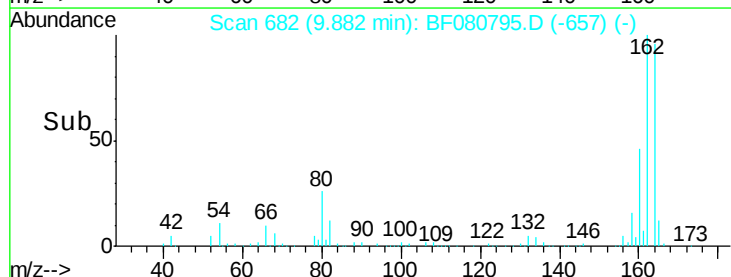
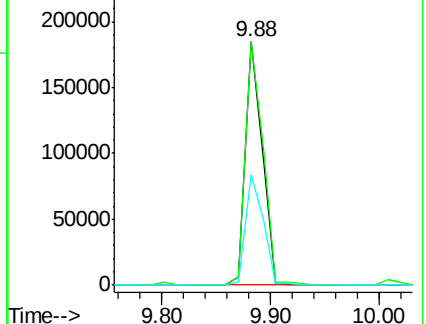
160 45.3 38.0 57.0

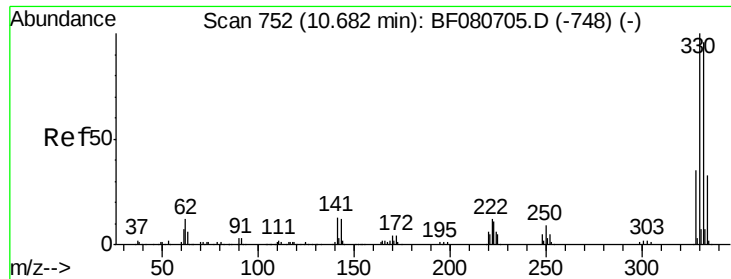


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

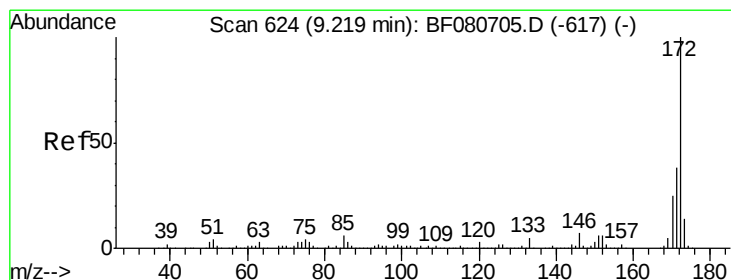
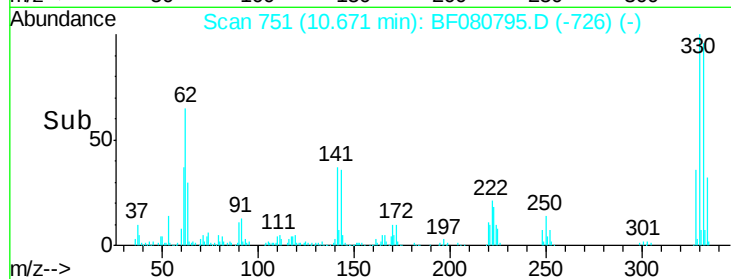
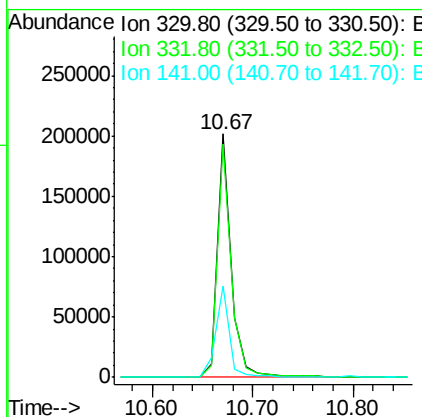
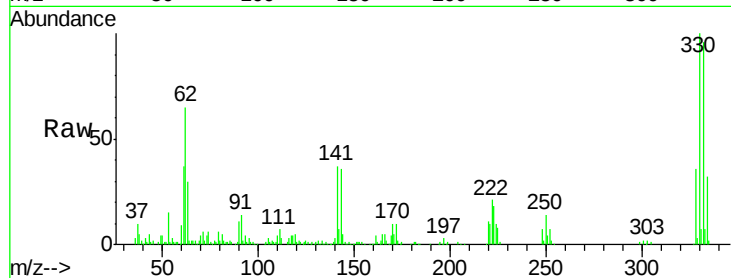




#41
 2,4,6-Tribromophenol
 Concen: 95.56 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF080795.D
 Acq: 1 Aug 2015 22:38

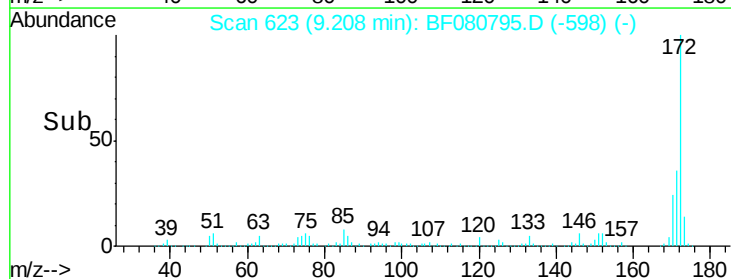
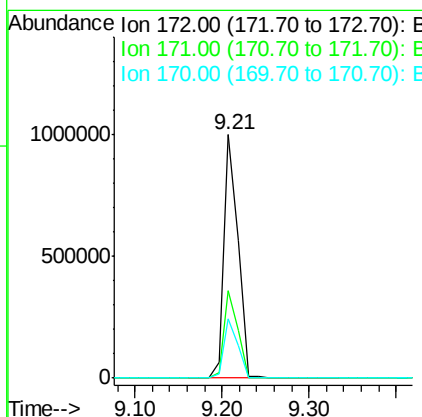
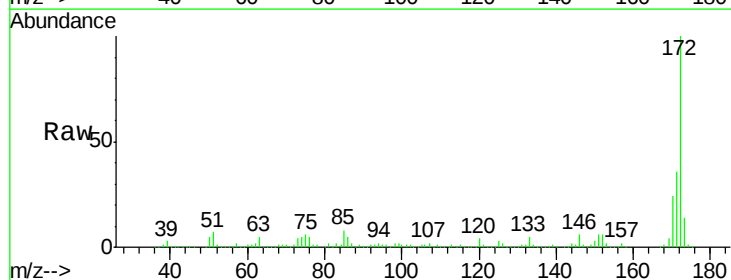
Instrument :
 BNA_F
 ClientSampleId :
 WEST-ABUT-3(0-2)

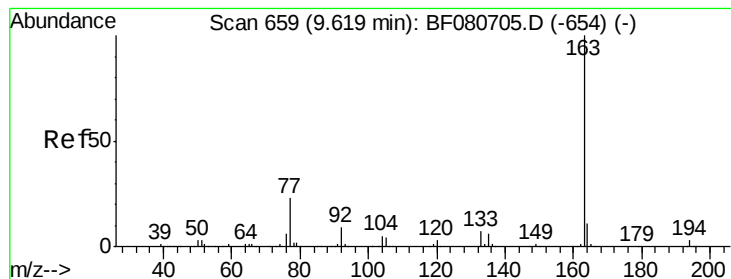
Tot Ion:330 Resp: 193628
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.6 114.8
 141 37.8 26.0 39.0



#44
 2-Fluorobiphenyl
 Concen: 87.01 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF080795.D
 Acq: 1 Aug 2015 22:38

Tgt Ion:172 Resp: 1138806
 Ion Ratio Lower Upper
 172 100
 171 35.9 30.2 45.4
 170 24.4 20.2 30.2





#49

Dimethylphthalate

Concen: 29.32 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF080795.D

Acq: 1 Aug 2015 22:38

Instrument :

BNA_F

ClientSampleId :

WEST-ABUT-3(0-2)

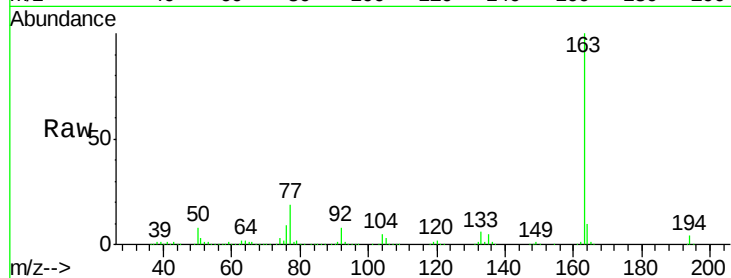
Tot Ion:163 Resp: 403385

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

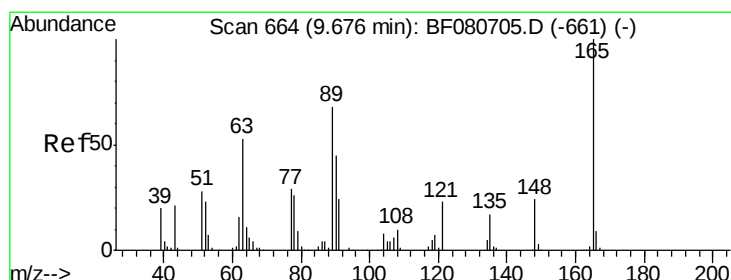
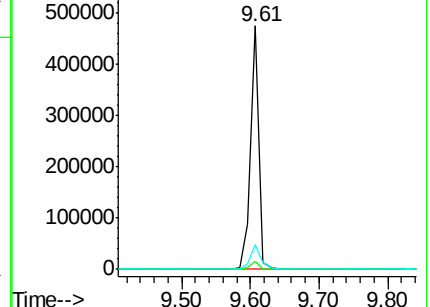
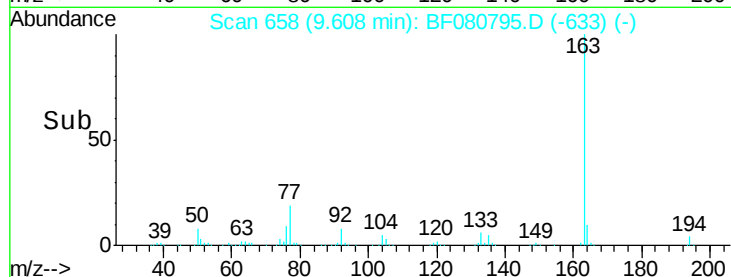
164 10.3 8.7 13.1



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



#50

2,6-Dinitrotoluene

Concen: 2.02 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.07 min

Lab File: BF080795.D

Acq: 1 Aug 2015 22:38

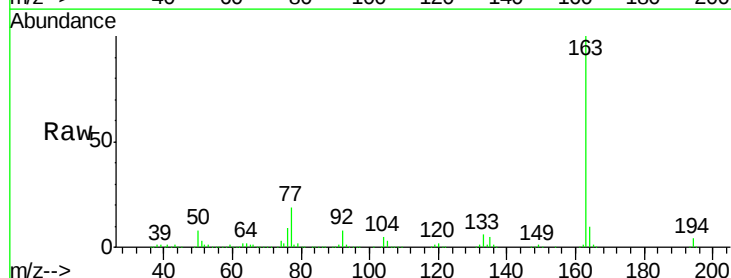
Tgt Ion:165 Resp: 5896

Ion Ratio Lower Upper

165 100

63 141.1 62.3 93.5#

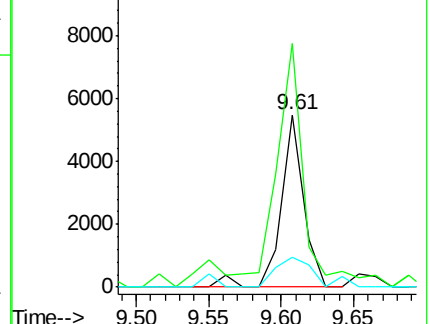
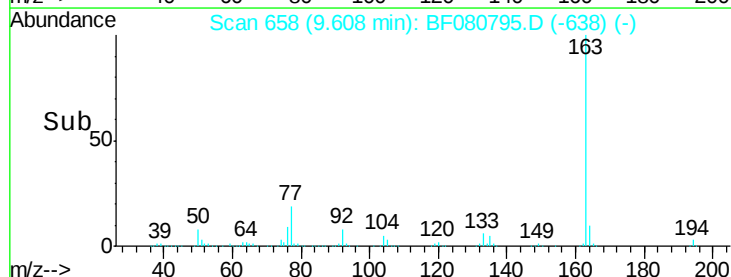
89 17.3 54.8 82.2#

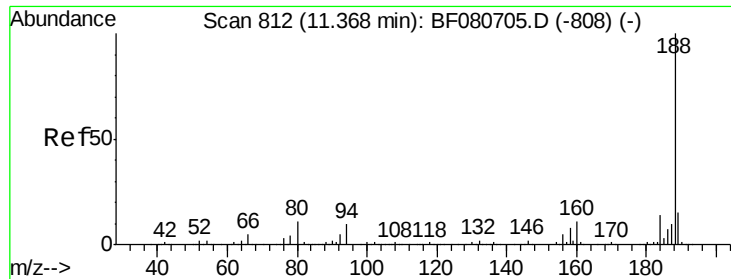


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

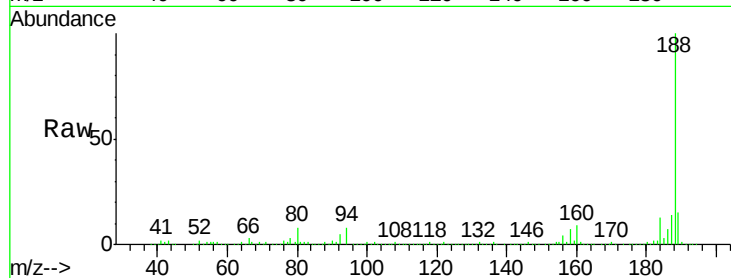




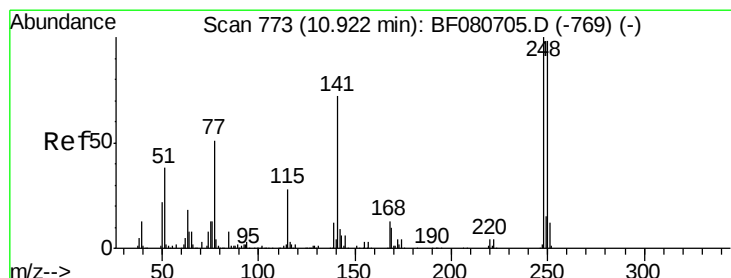
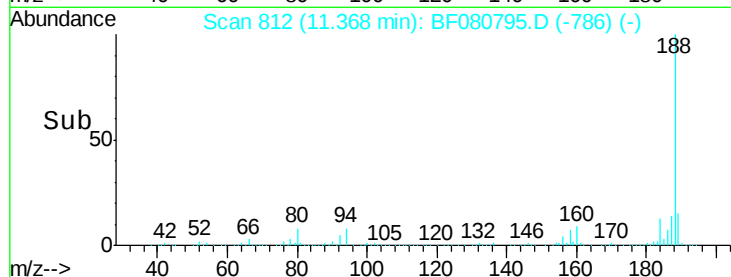
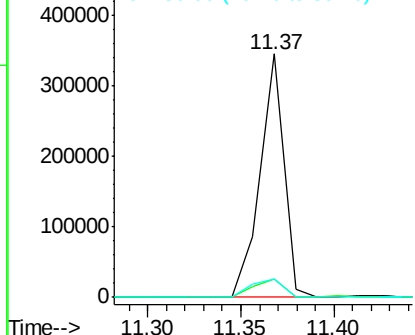
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF080795.D
Acq: 1 Aug 2015 22:38

Instrument :
BNA_F
ClientSampleId :
WEST-ABUT-3(0-2)

Tot Ion:188 Resp: 305433
Ion Ratio Lower Upper
188 100
94 7.7 8.1 12.1#
80 7.6 9.1 13.7#

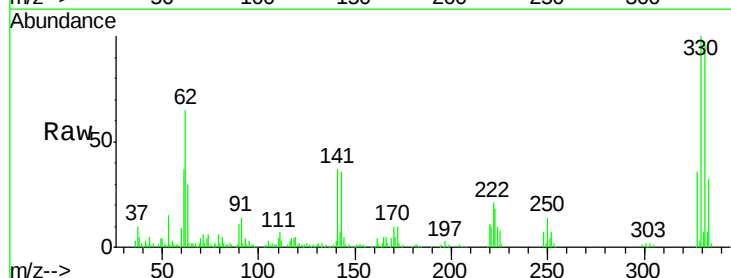


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

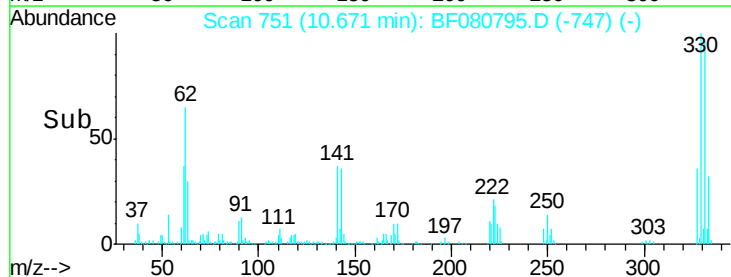
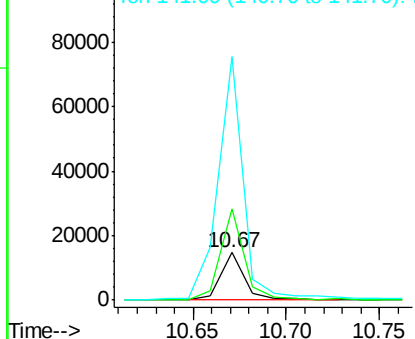


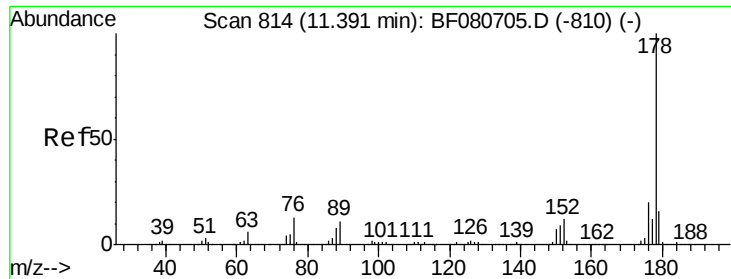
#66
4-Bromophenyl-phenylether
Concen: 4.14 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.25 min
Lab File: BF080795.D
Acq: 1 Aug 2015 22:38

Tgt Ion:248 Resp: 13040
Ion Ratio Lower Upper
248 100
250 194.0 78.4 117.6#
141 514.9 57.5 86.3#



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

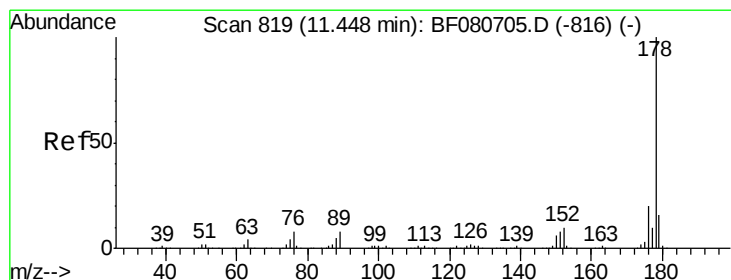
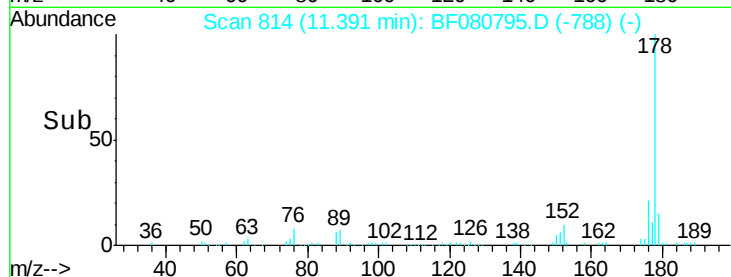
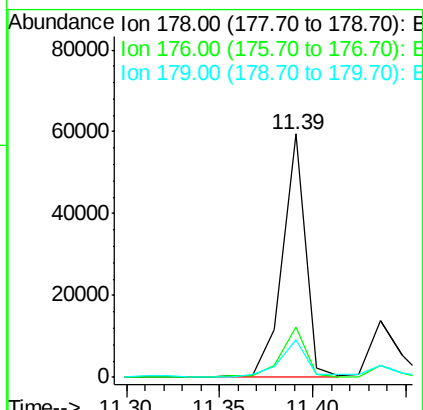
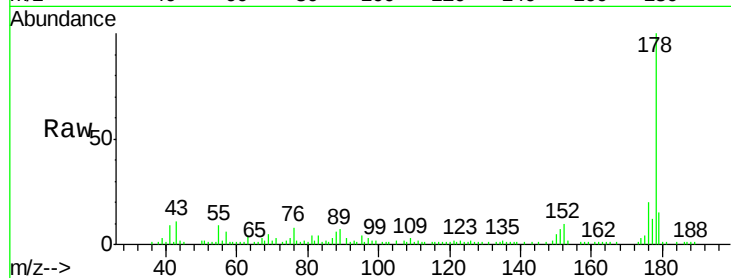




#70
Phenanthrene
Concen: 3.33 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF080795.D
Acq: 1 Aug 2015 22:38

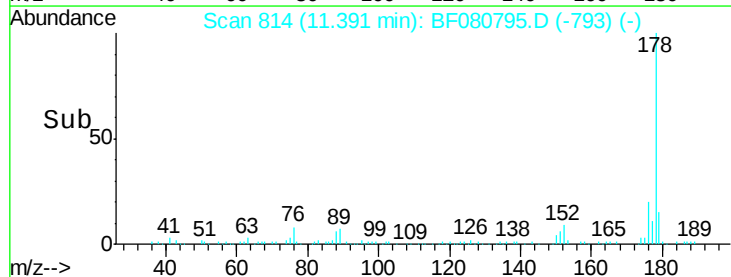
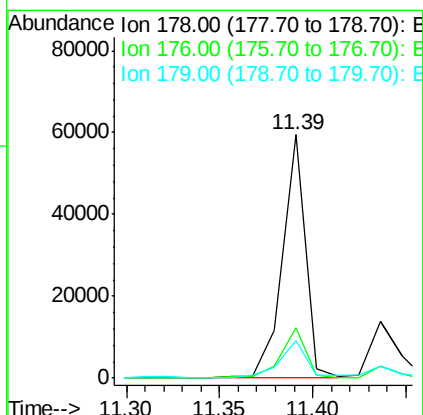
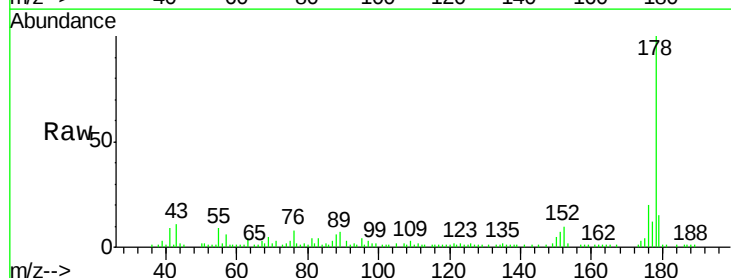
Instrument :
BNA_F
ClientSampleId :
WEST-ABUT-3(0-2)

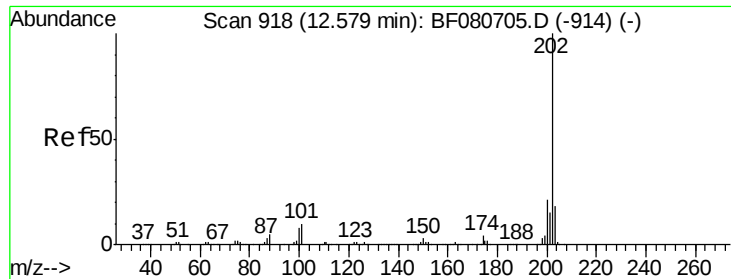
Tot Ion:178 Resp: 51287
Ion Ratio Lower Upper
178 100
176 20.4 16.2 24.4
179 15.2 13.0 19.4



#71
Anthracene
Concen: 3.39 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.06 min
Lab File: BF080795.D
Acq: 1 Aug 2015 22:38

Tgt Ion:178 Resp: 51287
Ion Ratio Lower Upper
178 100
176 20.4 15.9 23.9
179 15.2 12.7 19.1

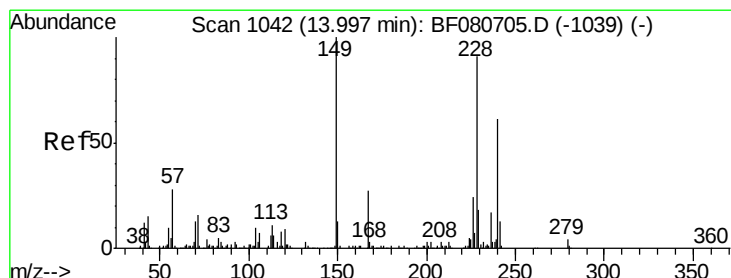
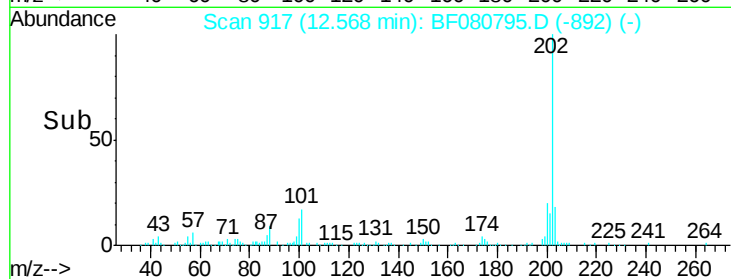
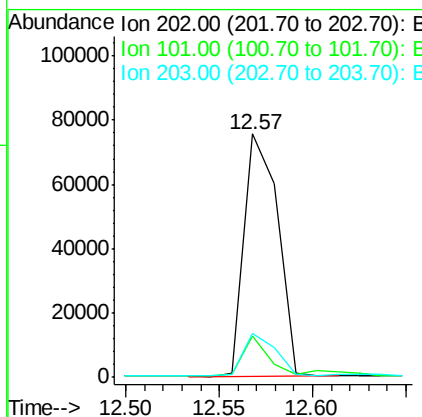
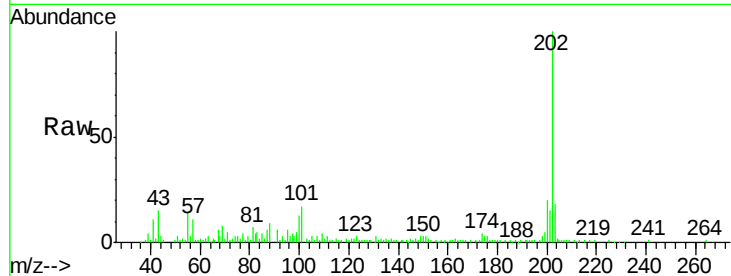




#74
 Fluoranthene
 Concen: 6.35 ng
 RT: 12.57 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: BF080795.D
 Acq: 1 Aug 2015 22:38

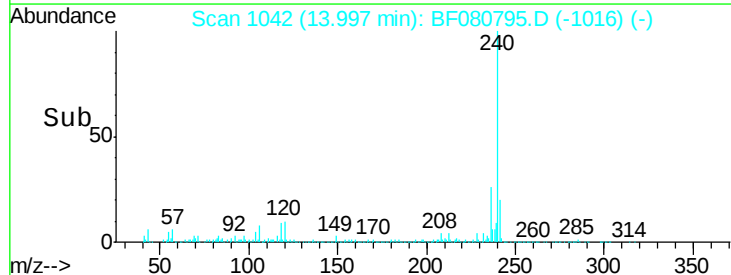
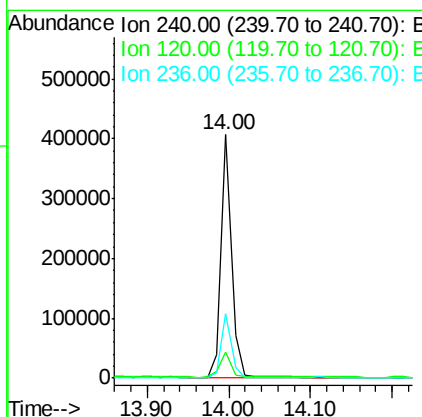
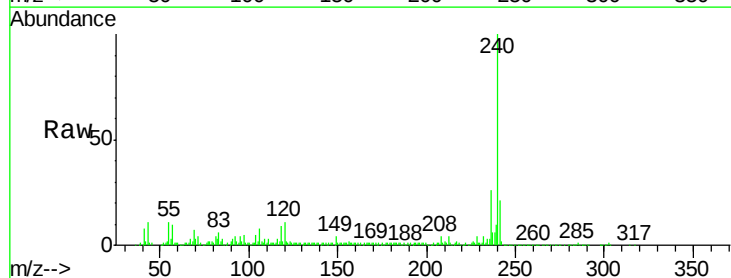
Instrument :
 BNA_F
 ClientSampleId :
 WEST-ABUT-3(0-2)

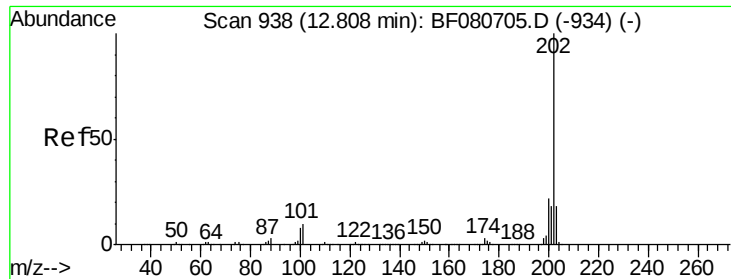
Tot Ion	Ratio	Lower	Upper
202	100		
101	17.1	0.0	29.6
203	18.1	0.0	37.8



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BF080795.D
 Acq: 1 Aug 2015 22:38

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.8	11.8	17.8#
236	26.5	21.8	32.8





#77

Pvrene

Concen: 3.21 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF080795.D

Acq: 1 Aug 2015 22:38

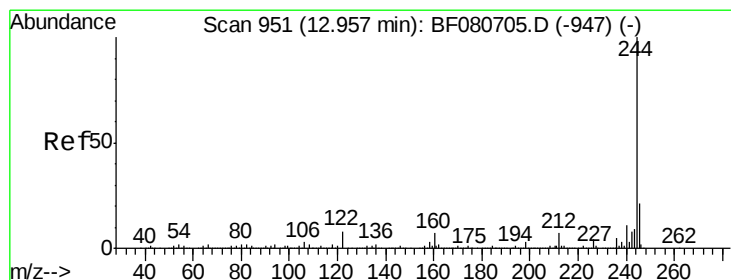
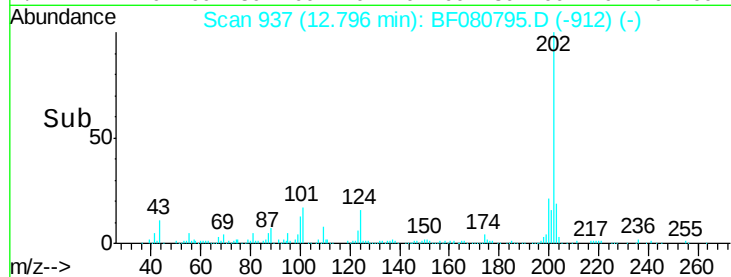
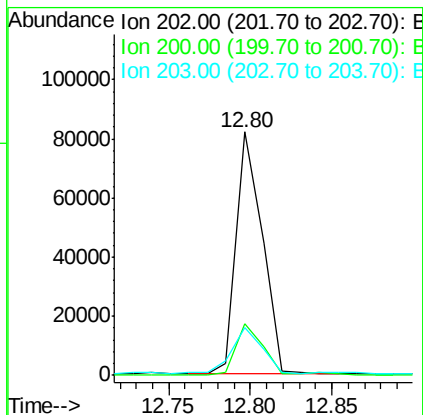
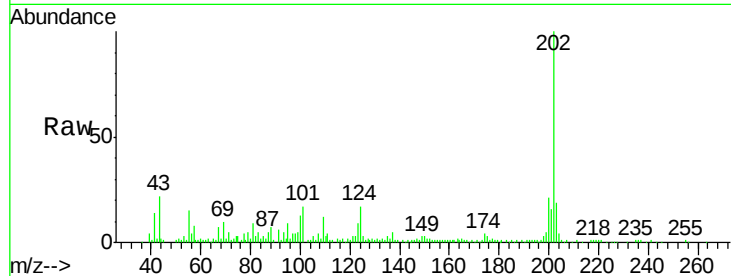
Instrument :

BNA_F

ClientSampleId :

WEST-ABUT-3(0-2)

Tot Ion:	202	Resp:	90507
Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	19.5	14.2	21.2



#78

Terphenyl-d14

Concen: 46.62 ng

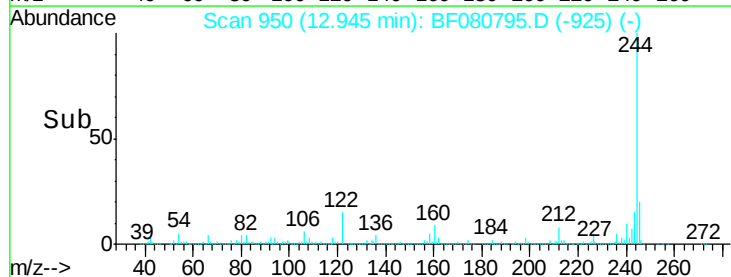
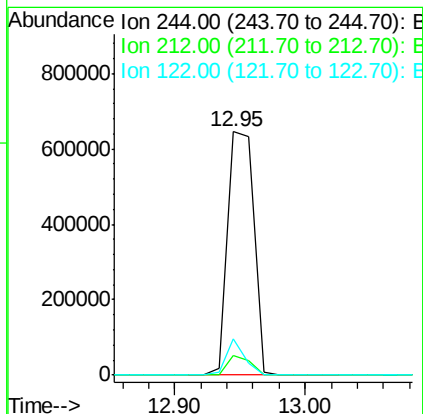
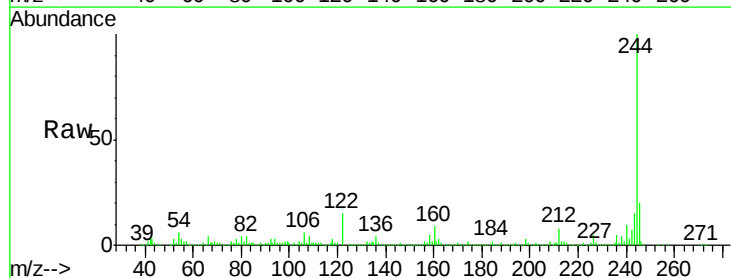
RT: 12.95 min Scan# 950

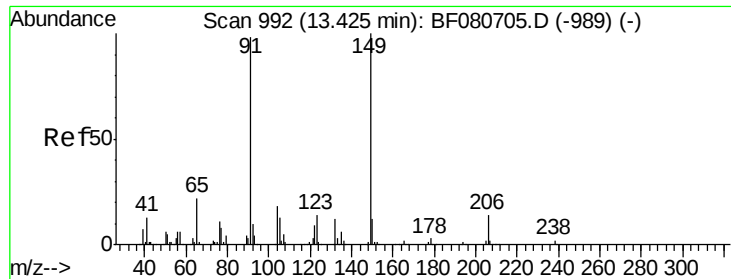
Delta R.T. -0.01 min

Lab File: BF080795.D

Acq: 1 Aug 2015 22:38

Tgt Ion:	244	Resp:	896328
Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.9	8.9
122	15.0	6.6	9.8#

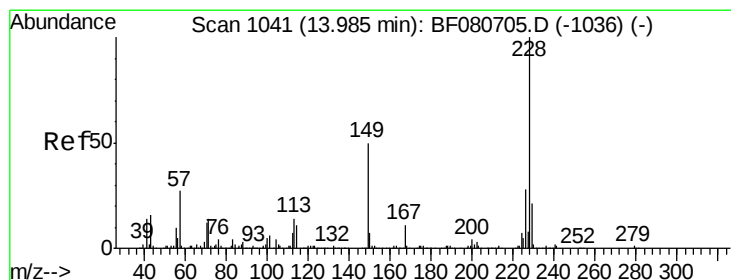
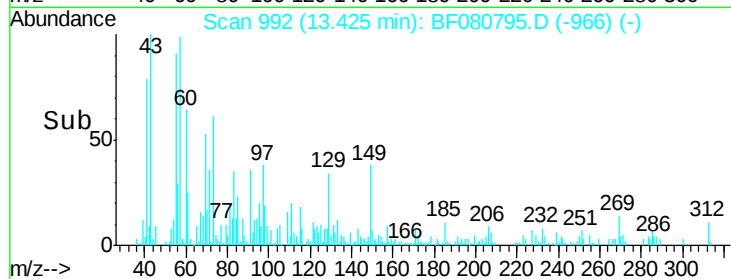
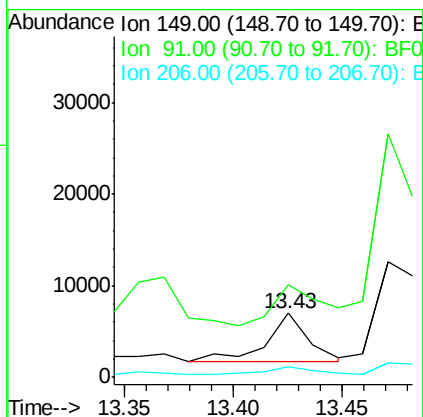
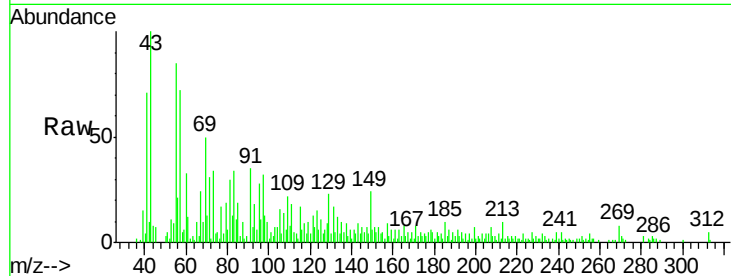




#79
Butylbenzylphthalate
Concen: 2.25 ng
RT: 13.43 min Scan# 992
Delta R.T. 0.00 min
Lab File: BF080795.D
Acq: 1 Aug 2015 22:38

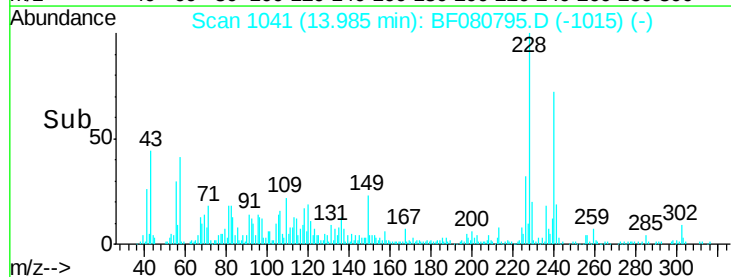
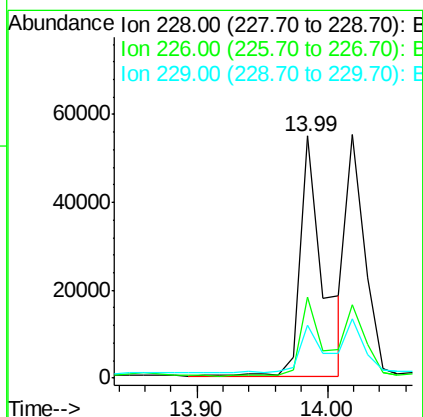
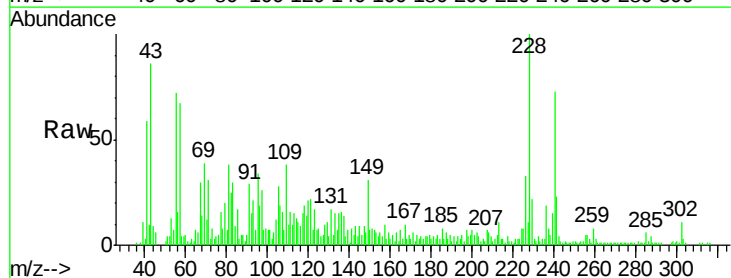
Instrument :
BNA_F
ClientSampleId :
WEST-ABUT-3(0-2)

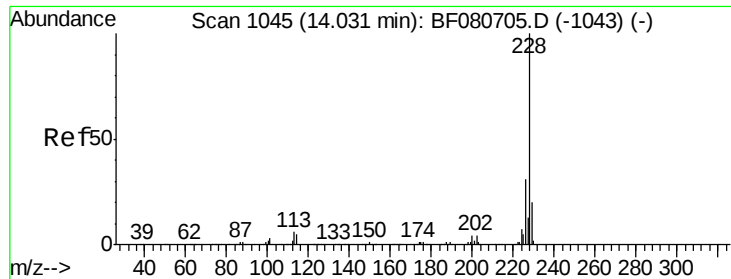
Tot Ion:149 Resp: 6996
Ion Ratio Lower Upper
149 100
91 144.2 78.6 118.0#
206 16.5 11.4 17.2



#80
Benzo(a)anthracene
Concen: 3.05 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF080795.D
Acq: 1 Aug 2015 22:38

Tgt Ion:228 Resp: 66713
Ion Ratio Lower Upper
228 100
226 33.4 22.6 33.8
229 21.6 16.6 25.0





#82

Chrysene

Concen: 3.14 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.05 min

Lab File: BF080795.D

Acq: 1 Aug 2015 22:38

Instrument :

BNA_F

ClientSampleId :

WEST-ABUT-3(0-2)

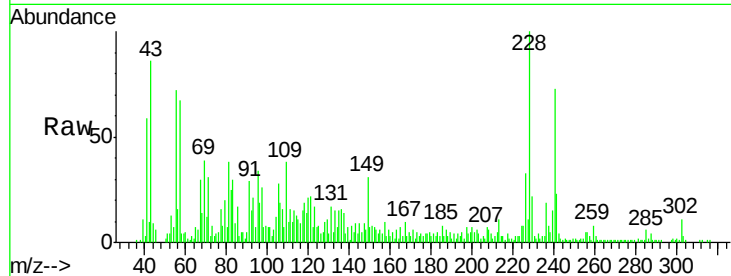
Tot Ion:228 Resp: 66713

Ion Ratio Lower Upper

228 100

226 33.4 25.1 37.7

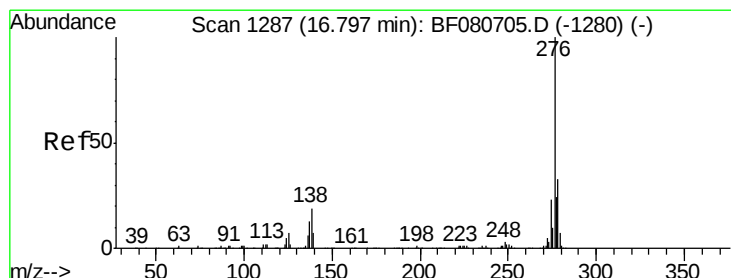
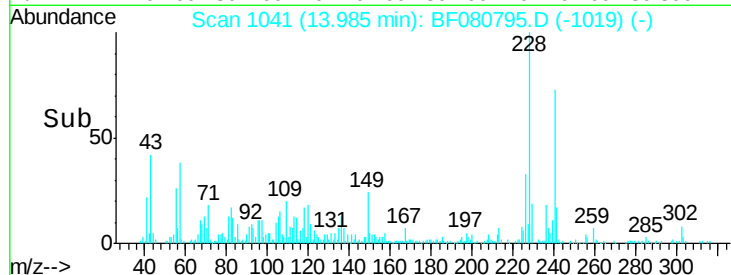
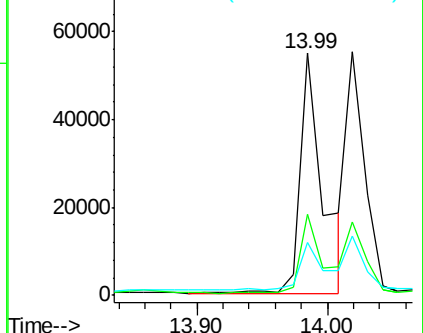
229 21.6 15.8 23.8



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: 3.96 ng

RT: 16.80 min Scan# 1287

Delta R.T. 0.00 min

Lab File: BF080795.D

Acq: 1 Aug 2015 22:38

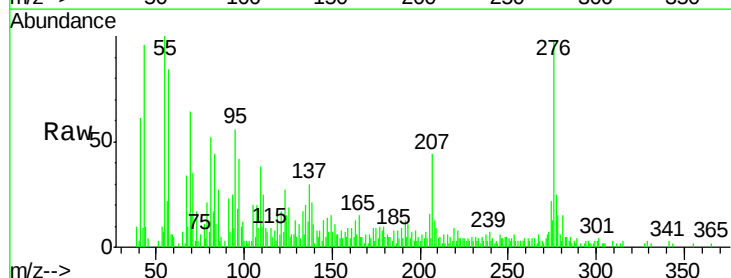
Tgt Ion:276 Resp: 27209

Ion Ratio Lower Upper

276 100

138 20.1 13.2 19.8#

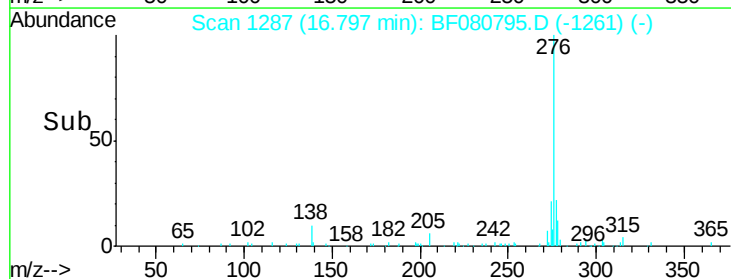
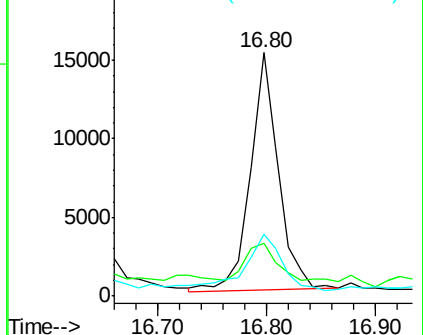
277 33.3 15.4 23.2#

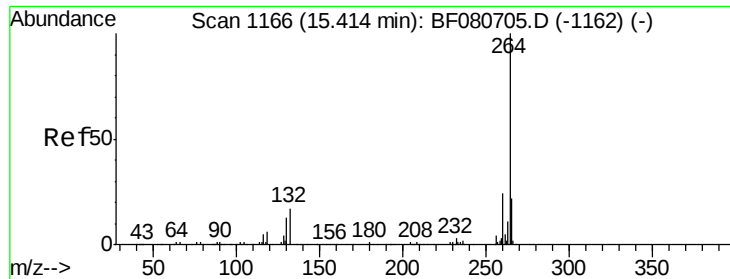


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

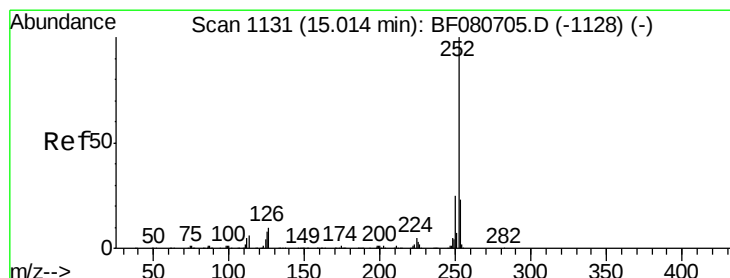
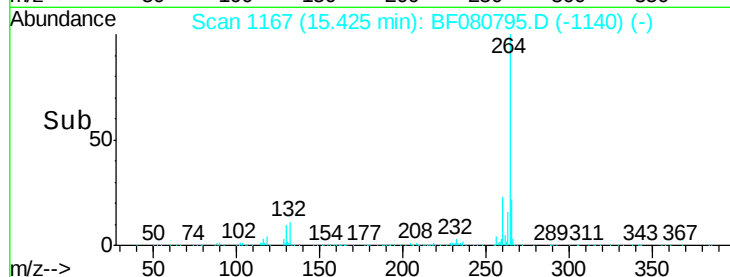
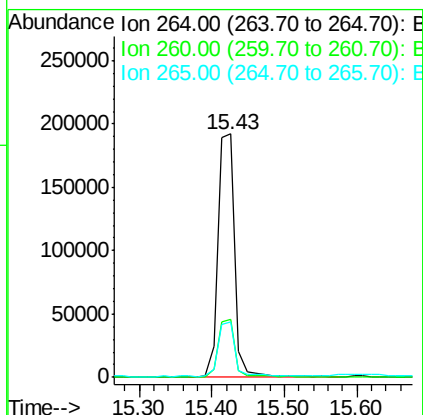
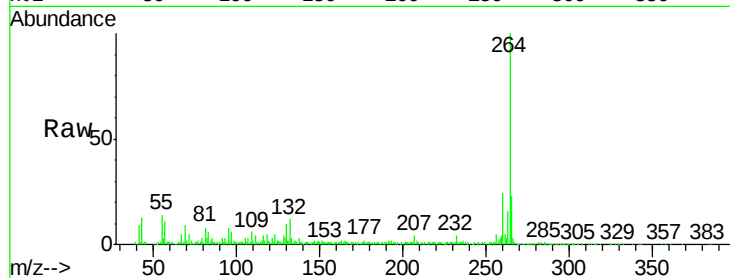




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. 0.01 min
Lab File: BF080795.D
Acq: 1 Aug 2015 22:38

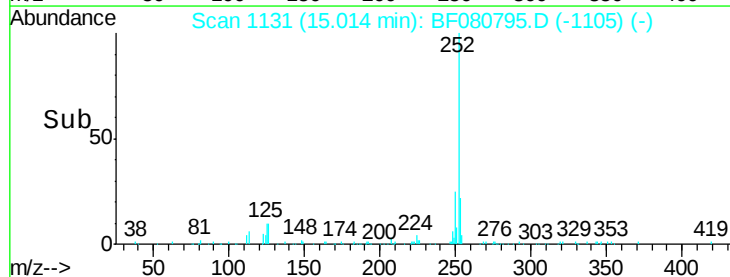
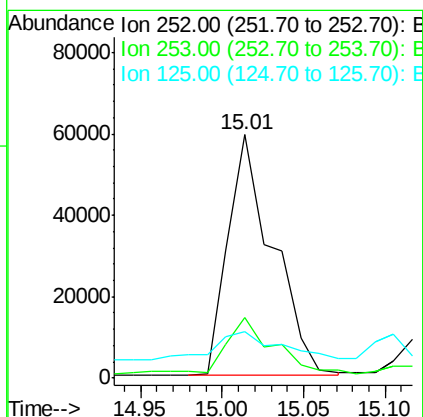
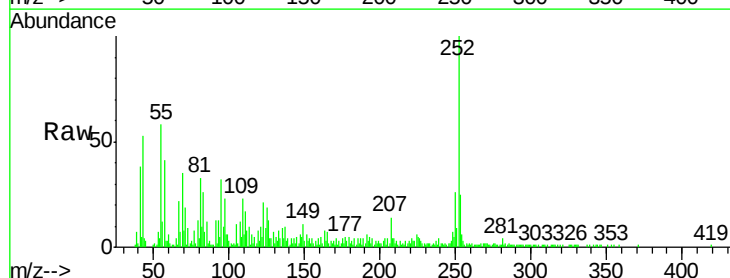
Instrument :
BNA_F
ClientSampleId :
WEST-ABUT-3(0-2)

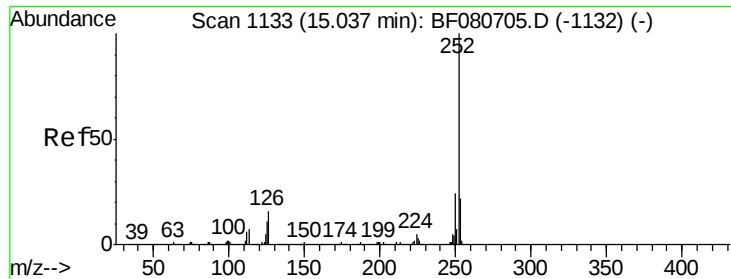
Tot Ion:264 Resp: 299039
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.0
265 22.7 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 6.30 ng
RT: 15.01 min Scan# 1131
Delta R.T. -0.00 min
Lab File: BF080795.D
Acq: 1 Aug 2015 22:38

Tgt Ion:252 Resp: 112513
Ion Ratio Lower Upper
252 100
253 24.8 18.1 27.1
125 19.1 6.2 9.2#

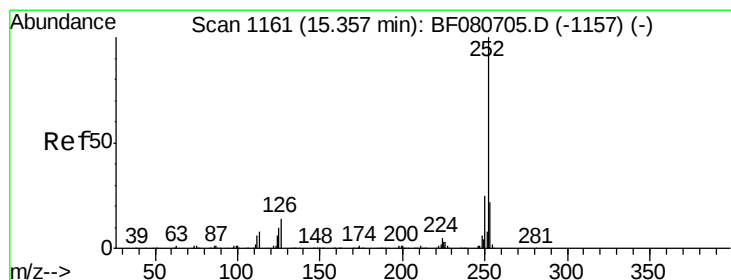
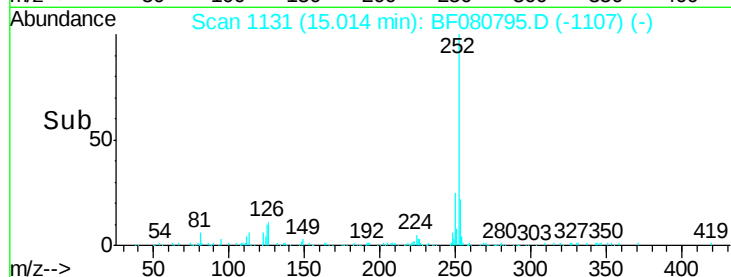
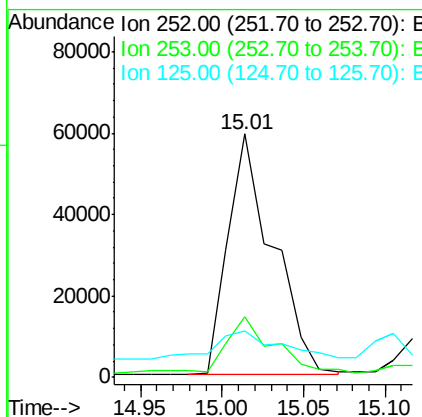
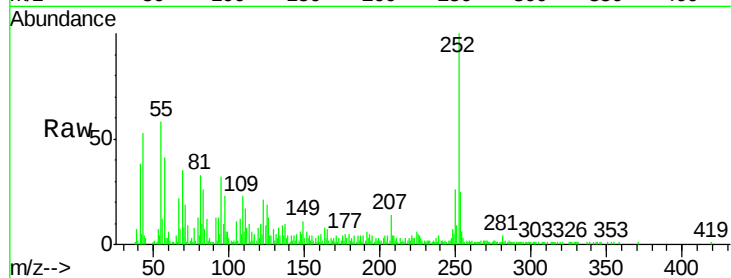




#88
Benzo(k)fluoranthene
Concen: 7.65 ng
RT: 15.01 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF080795.D
Acq: 1 Aug 2015 22:38

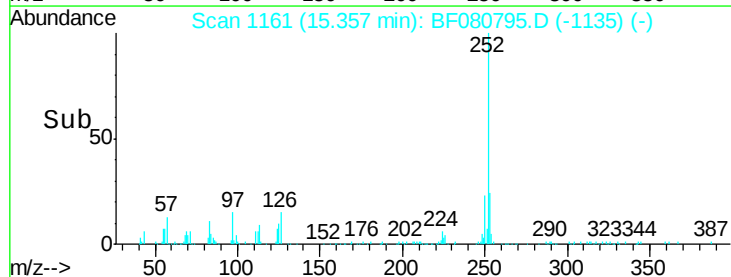
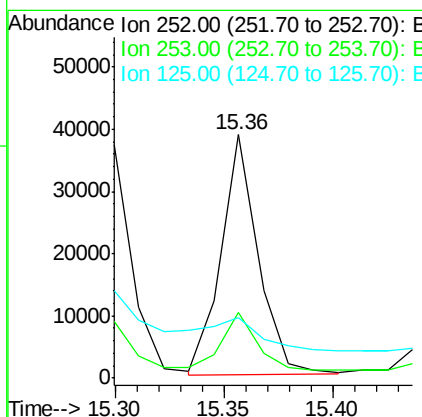
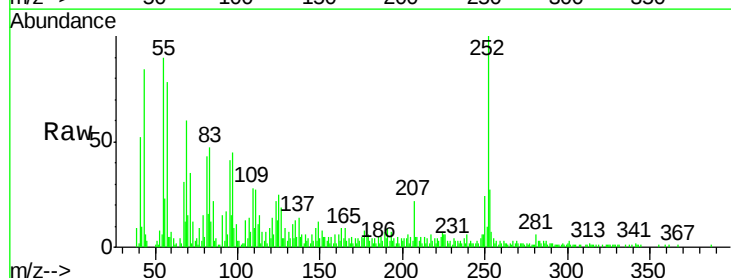
Instrument :
BNA_F
ClientSampleId :
WEST-ABUT-3(0-2)

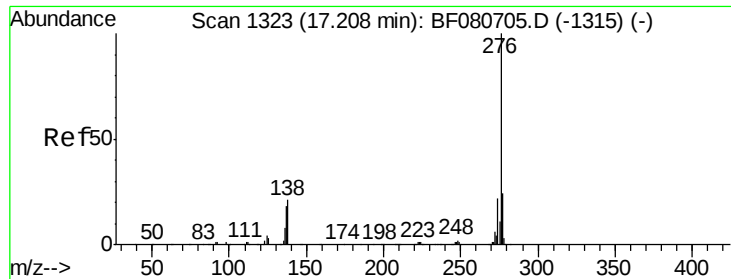
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.6
125	19.1	9.0	13.4



#89
Benzo(a)pyrene
Concen: 3.11 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF080795.D
Acq: 1 Aug 2015 22:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.2	25.8
125	25.1	8.2	12.4





#91
 Benzo(a,h,i)perylene
 Concen: 3.20 ng
 RT: 17.22 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: BF080795.D
 Acq: 1 Aug 2015 22:38

Instrument :
 BNA_F
 ClientSampleId :
 WEST-ABUT-3(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.9	28.3
138	25.0	16.9	25.3

