

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080115\
 Data File : BF080801.D
 Acq On : 2 Aug 2015 1:42
 Operator : TP/UM
 Sample : G3125-01
 Misc :
 ALS Vial : 87 Sample Multiplier: 1

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

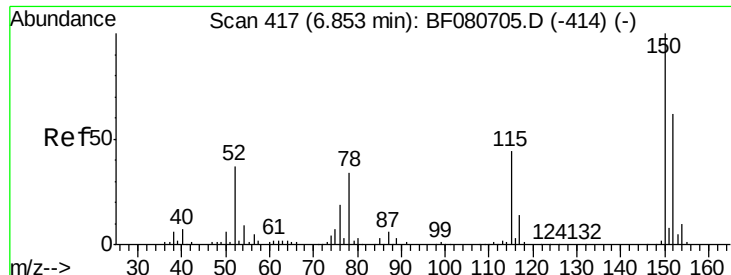
Quant Time: Aug 03 03:52:37 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF073015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 31 01:45:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	189680	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	654178	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	286850	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	422345	20.00	ng	0.00
75) Chrysene-d12	14.00	240	256325	20.00	ng	0.00
86) Perylene-d12	15.43	264	366949	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	952893	86.18	ng	0.01
7) Phenol-d6	6.49	99	1376800	91.46	ng	0.00
23) Nitrobenzene-d5	7.41	82	769939	56.99	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	253614	85.21	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	1580396	82.20	ng	0.00
78) Terphenyl-d14	12.96	244	943289	69.60	ng	0.00

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	106403	10.50	ng	# 75
25) Isophorone	7.41	82	761445	31.70	ng	# 71
27) 2,4-Dimethylphenol	7.87	122	103557	10.03	ng	# 3
32) Benzoic acid	7.87	122	103557	14.53	ng	97
49) Dimethylphthalate	9.61	163	557607	27.58	ng	99
56) 2,4-Dinitrotoluene	9.89	165	36987	6.57	ng	# 17
60) 4-Chlorophenyl-phenylether	10.59	204	2050	Below Cal		# 45
66) 4-Bromophenyl-phenylether	10.67	248	16606	3.81	ng	# 1
70) Phenanthrene	11.39	178	42722	2.01	ng	96
71) Anthracene	11.39	178	42722	2.04	ng	97
74) Fluoranthene	12.58	202	87499	4.25	ng	96
77) Pyrene	12.81	202	75939	3.82	ng	99
79) Butylbenzylphthalate	13.43	149	4104	2.16	ng	# 55
80) Benzo(a)anthracene	13.99	228	36281	2.35	ng	96
82) Chrysene	13.99	228	36281	2.42	ng	98
84) Di-n-octyl phthalate	14.60	149	63774	3.84	ng	# 1
85) Indeno(1,2,3-cd)pyrene	16.80	276	29072	4.65	ng	# 88
87) Benzo(b)fluoranthene	15.01	252	97443	4.45	ng	# 85
88) Benzo(k)fluoranthene	15.01	252	97443	5.40	ng	# 86
89) Benzo(a)pyrene	15.36	252	38671	2.15	ng	# 78

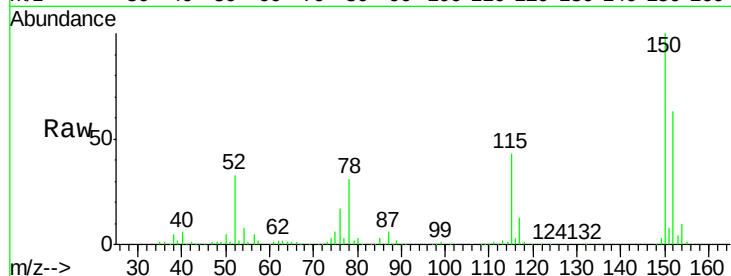
(#) = qualifier out of range (m) = manual integration (+) = signals summed



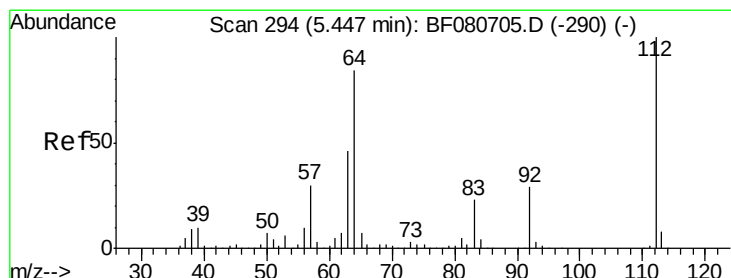
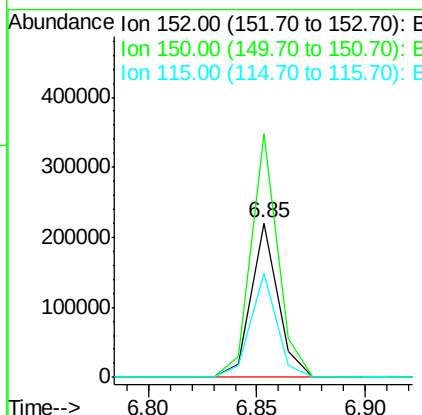
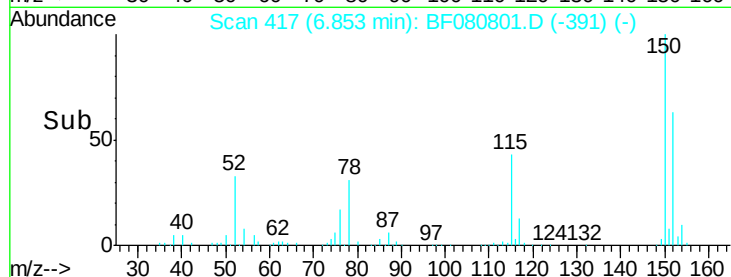
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: BF080801.D
 Acq: 2 Aug 2015 1:42

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

Tot Ion:152 Resp: 189680
 Ion Ratio Lower Upper
 152 100
 150 157.6 129.6 194.4
 115 67.7 56.6 85.0

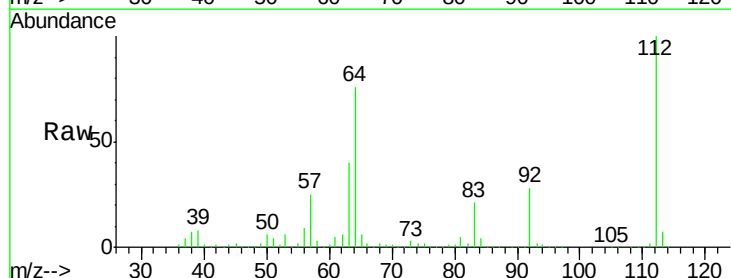


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

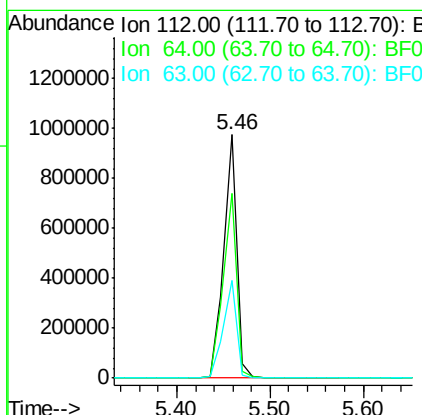
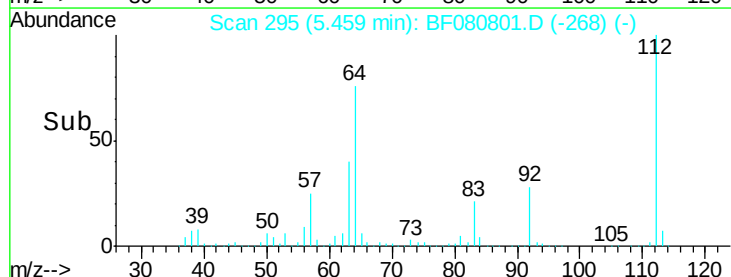


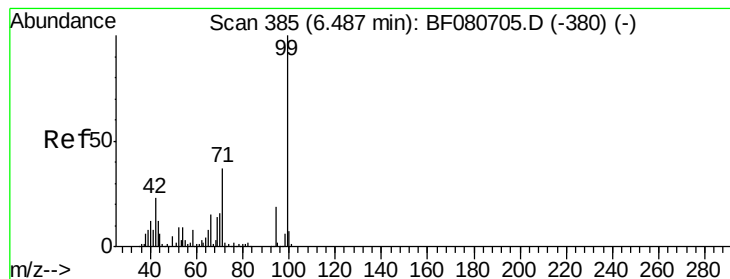
#5
 2-Fluorophenol
 Concen: 86.18 ng
 RT: 5.46 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: BF080801.D
 Acq: 2 Aug 2015 1:42

Tgt Ion:112 Resp: 952893
 Ion Ratio Lower Upper
 112 100
 64 75.9 66.8 100.2
 63 40.0 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: 91.46 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF080801.D

Acq: 2 Aug 2015 1:42

Instrument :

BNA_F

ClientSampleId :

WEST-ABUT-2(0-2)

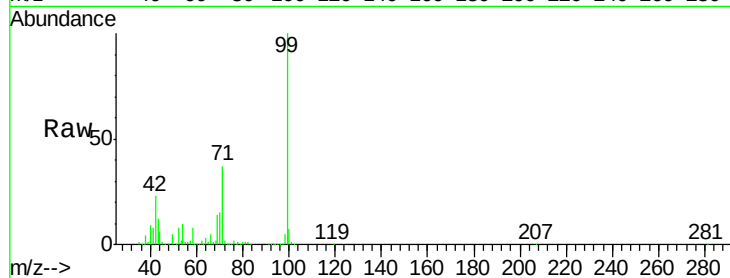
Tot Ion: 99 Resp: 1376800

Ion Ratio Lower Upper

99 100

42 23.3 18.2 27.2

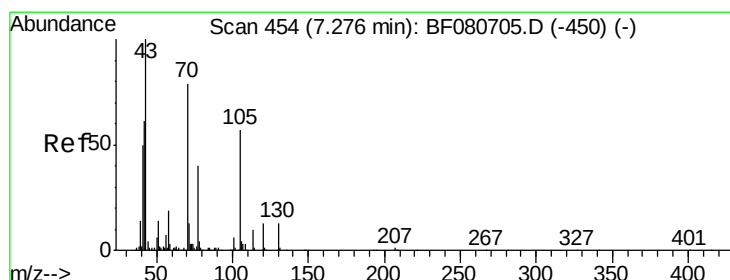
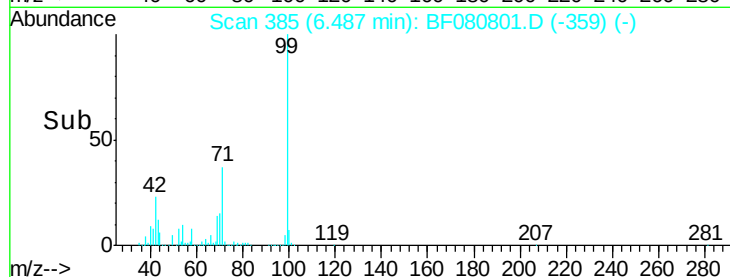
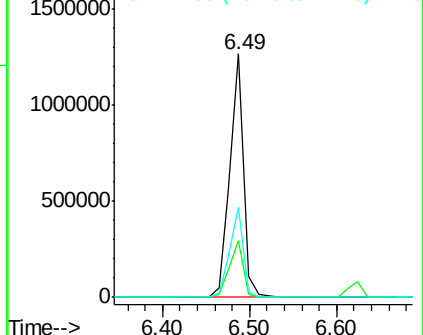
71 36.9 29.5 44.3



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: 10.50 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF080801.D

Acq: 2 Aug 2015 1:42

Tgt Ion: 70 Resp: 106403

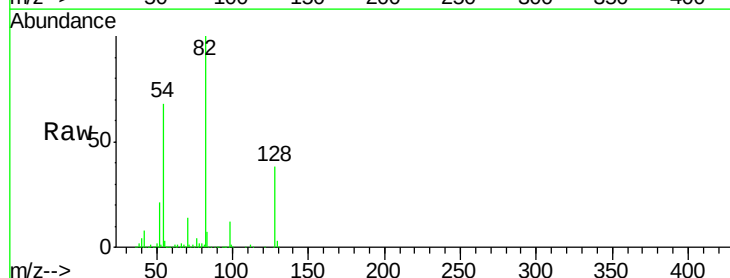
Ion Ratio Lower Upper

70 100

42 56.9 61.8 92.6#

101 0.0 6.1 9.1#

130 2.0 12.9 19.3#

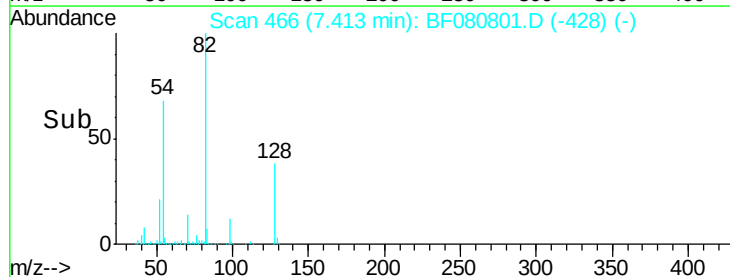
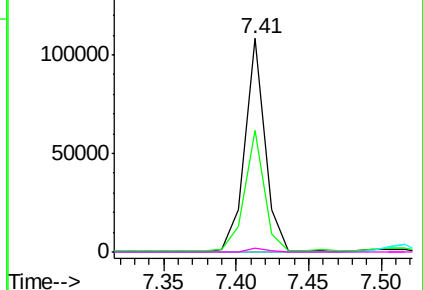


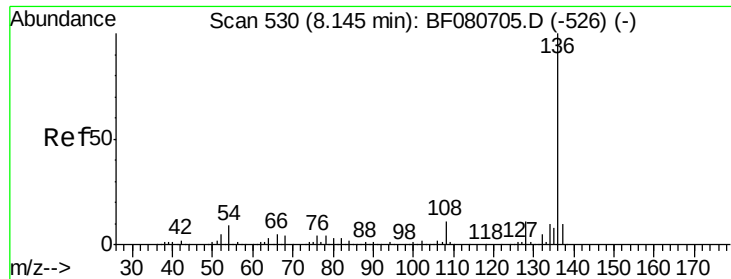
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

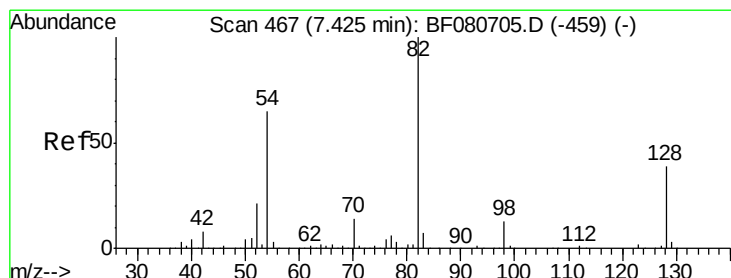
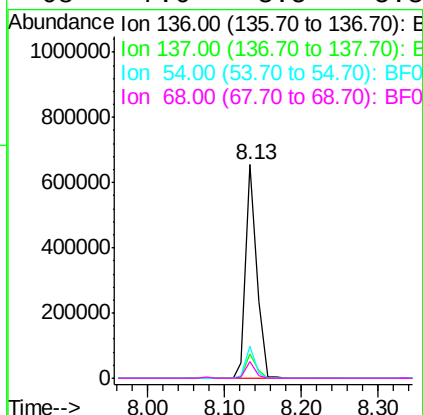
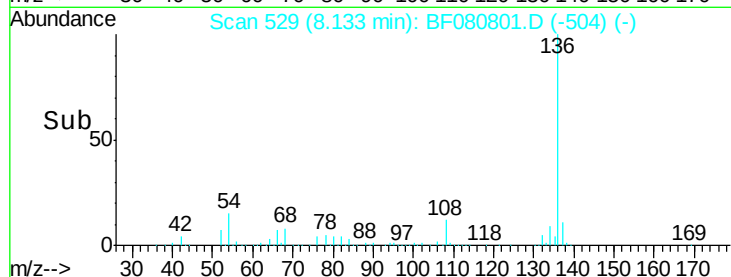
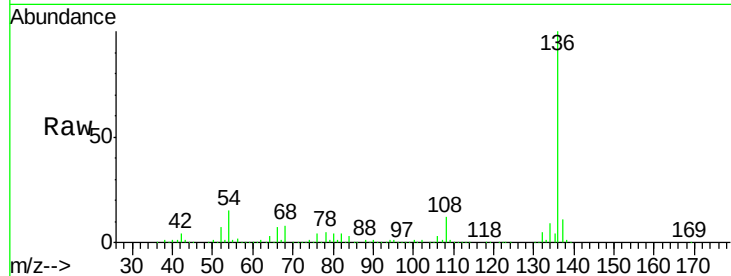




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF080801.D
Acq: 2 Aug 2015 1:42

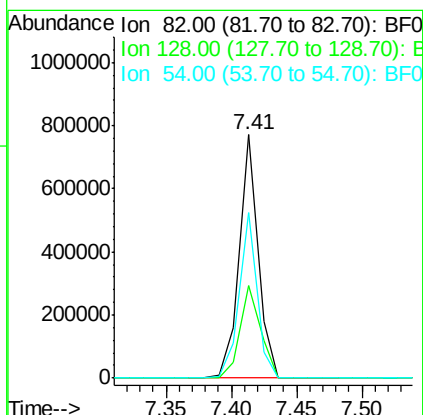
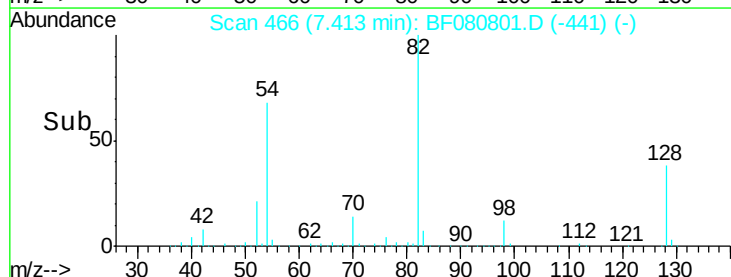
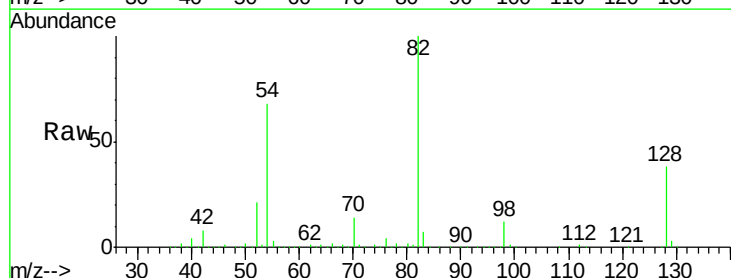
Instrument :
BNA_F
ClientSampleId :
WEST-ABUT-2(0-2)

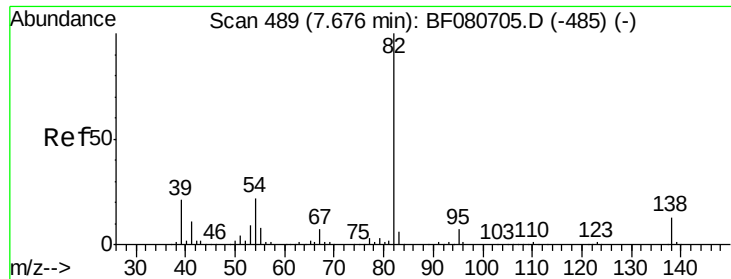
Tot Ion:136	Resp:	654178
Ion	Ratio	Lower Upper
136	100	
137	11.5	8.4 12.6
54	14.9	6.9 10.3#
68	7.6	3.5 5.3#



#23
Nitrobenzene-d5
Concen: 56.99 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF080801.D
Acq: 2 Aug 2015 1:42

Tgt Ion: 82	Resp:	769939
Ion	Ratio	Lower Upper
82	100	
128	38.1	31.5 47.3
54	68.1	51.8 77.8





#25

Isophorone

Concen: 31.70 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.26 min

Lab File: BF080801.D

Acq: 2 Aug 2015 1:42

Instrument :

BNA_F

ClientSampleId :

WEST-ABUT-2(0-2)

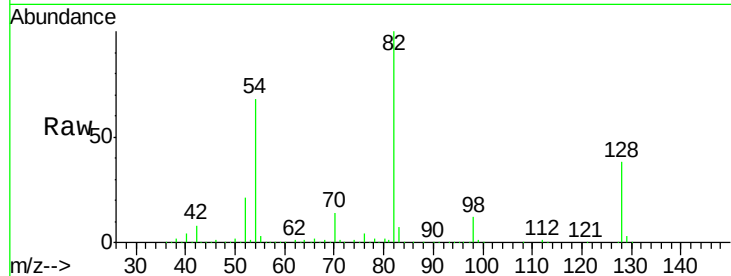
Tot Ion: 82 Resp: 761445

Ion Ratio Lower Upper

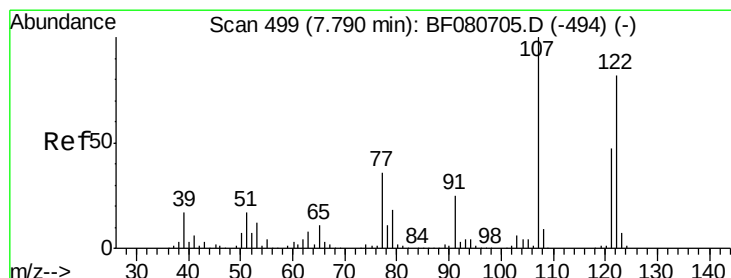
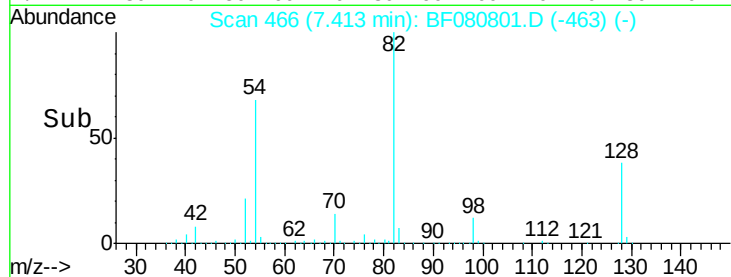
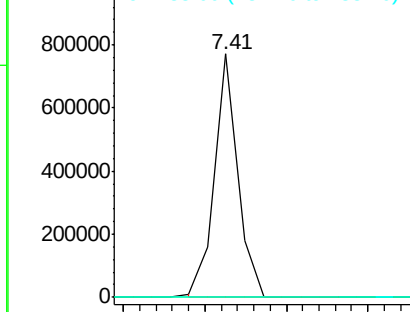
82 100

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: 10.03 ng

RT: 7.87 min Scan# 506

Delta R.T. 0.08 min

Lab File: BF080801.D

Acq: 2 Aug 2015 1:42

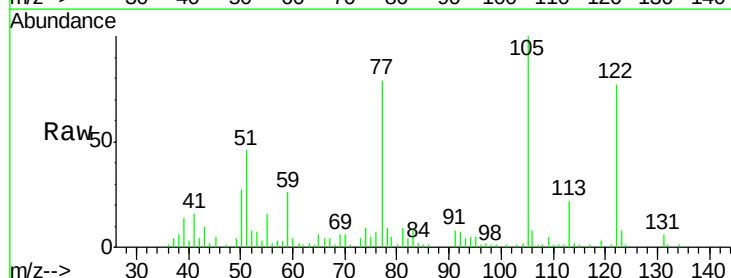
Tgt Ion:122 Resp: 103557

Ion Ratio Lower Upper

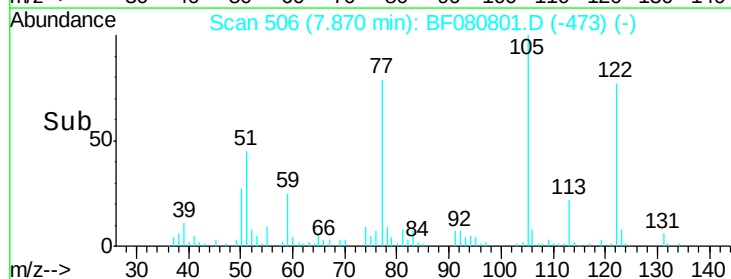
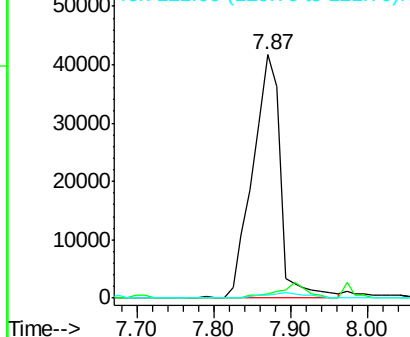
122 100

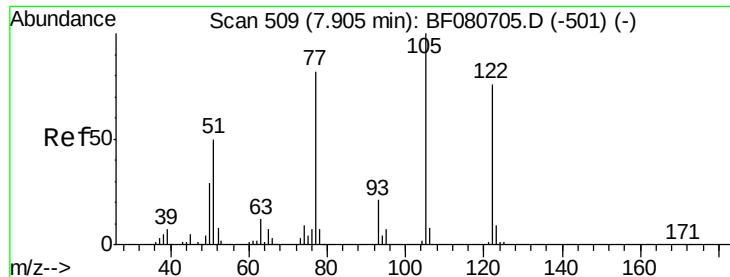
107 1.8 98.1 147.1#

121 1.5 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

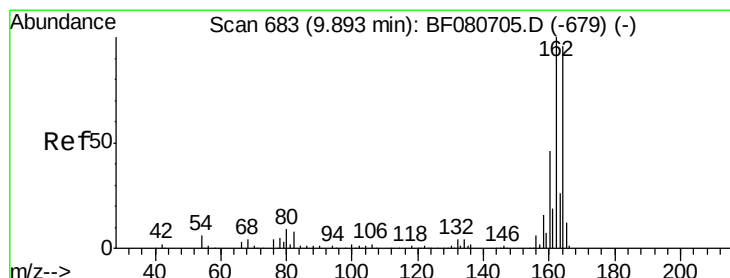
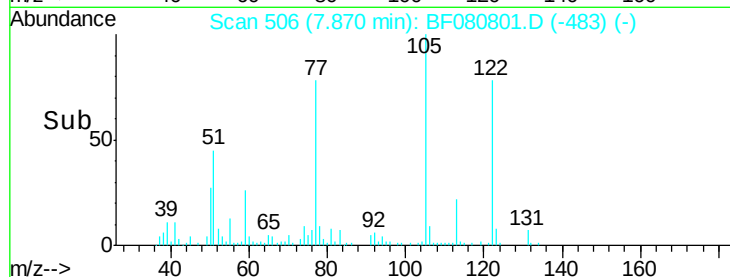
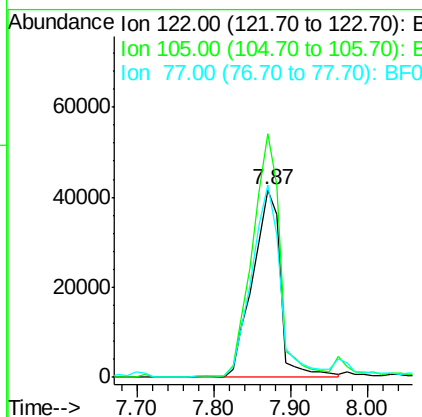
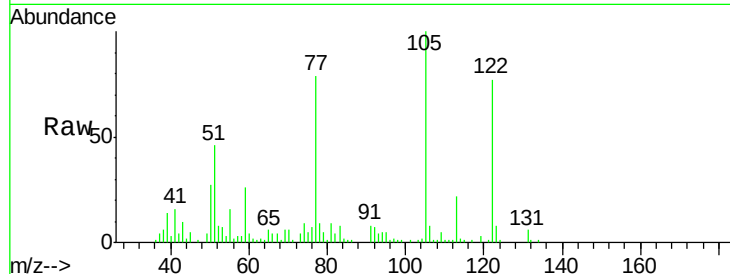




#32
Benzoic acid
Concen: 14.53 ng
RT: 7.87 min Scan# 506
Delta R.T. -0.03 min
Lab File: BF080801.D
Acq: 2 Aug 2015 1:42

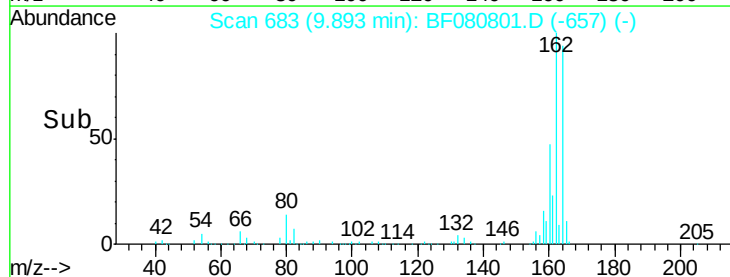
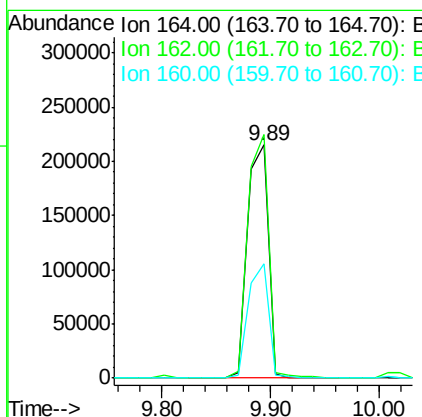
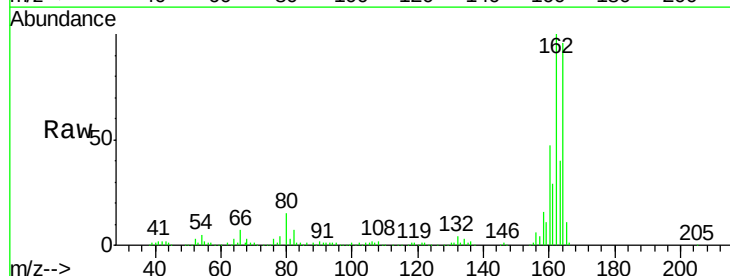
Instrument :
BNA_F
ClientSampleId :
WEST-ABUT-2(0-2)

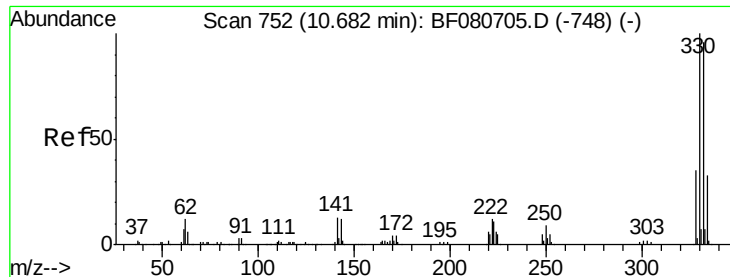
Tot Ion	Ratio	Lower	Upper
122	100		
105	129.6	111.3	151.3
77	102.2	88.1	128.1



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.00 min
Lab File: BF080801.D
Acq: 2 Aug 2015 1:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	83.4	125.0
160	48.8	38.0	57.0

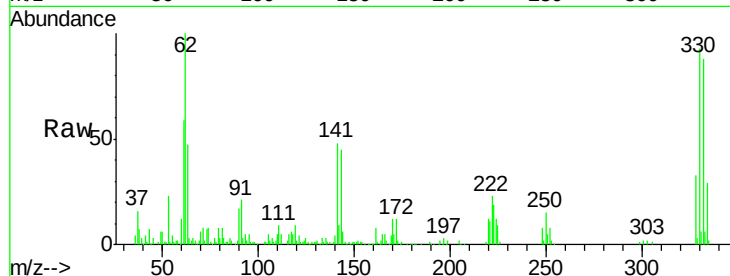




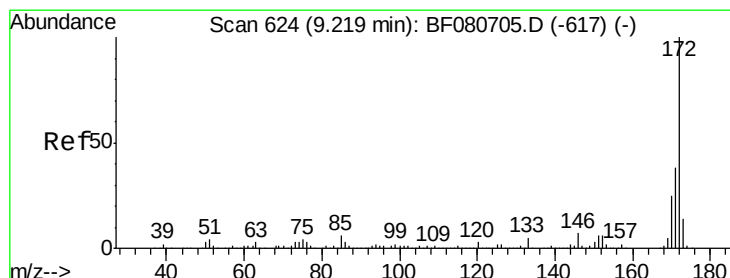
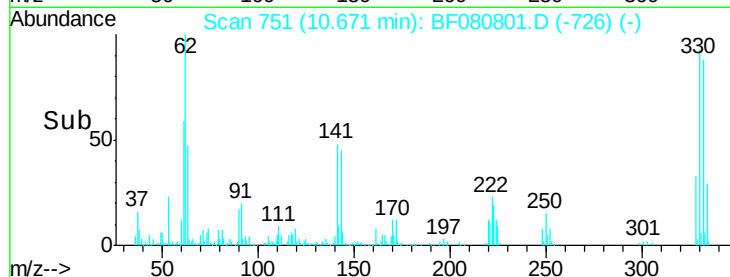
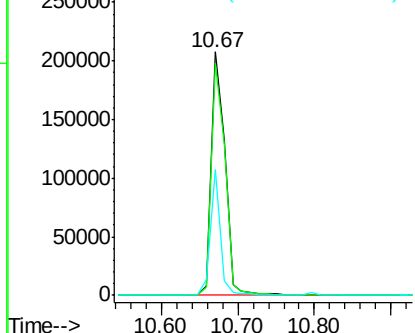
#41
 2,4,6-Tribromophenol
 Concen: 85.21 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF080801.D
 Acq: 2 Aug 2015 1:42

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

Tot Ion:330 Resp: 253614
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 114.8
 141 38.3 26.0 39.0

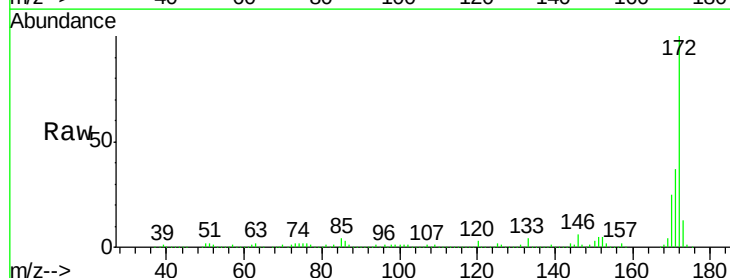


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

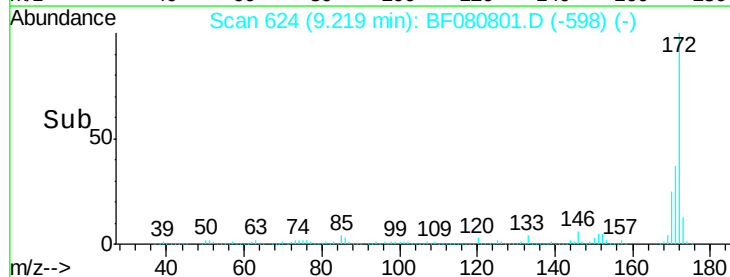
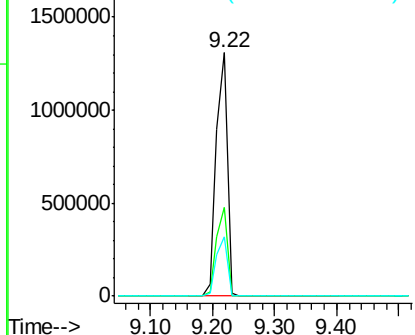


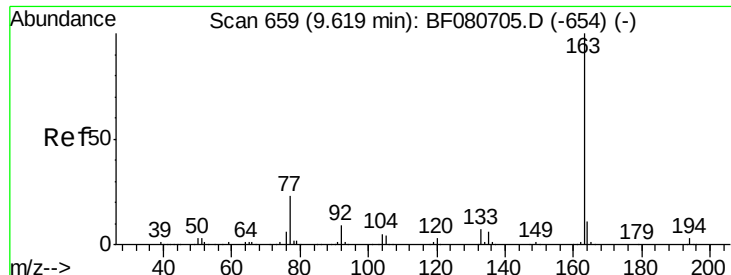
#44
 2-Fluorobiphenyl
 Concen: 82.20 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF080801.D
 Acq: 2 Aug 2015 1:42

Tgt Ion:172 Resp: 1580396
 Ion Ratio Lower Upper
 172 100
 171 36.5 30.2 45.4
 170 24.5 20.2 30.2



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

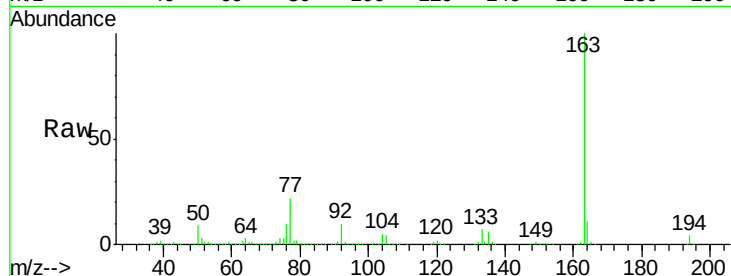




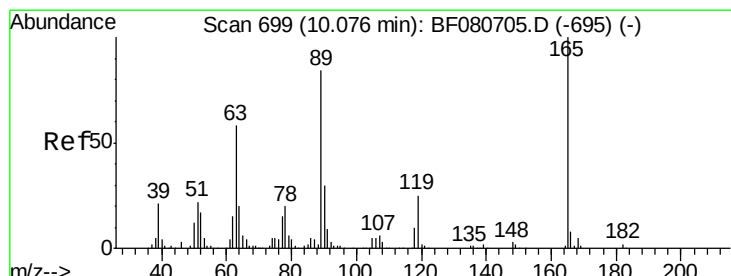
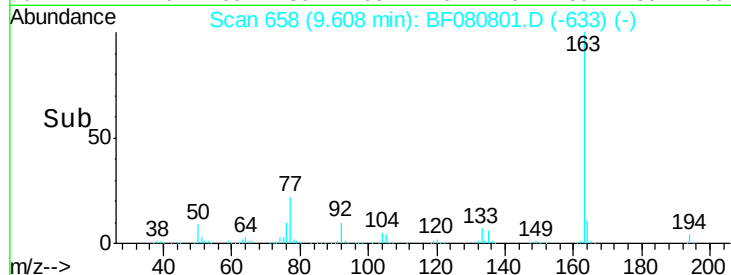
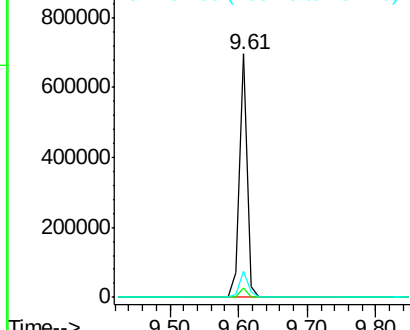
#49
Dimethylphthalate
Concen: 27.58 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF080801.D
Acq: 2 Aug 2015 1:42

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

Tot Ion:163 Resp: 557607
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.7 8.7 13.1

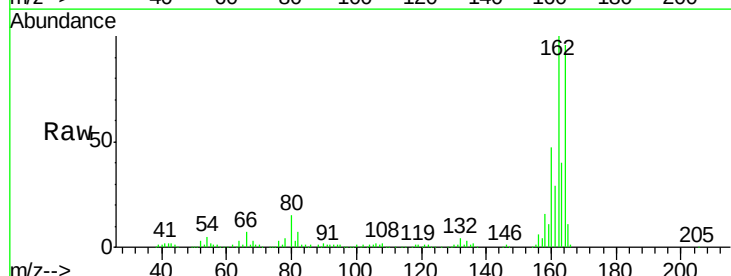


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

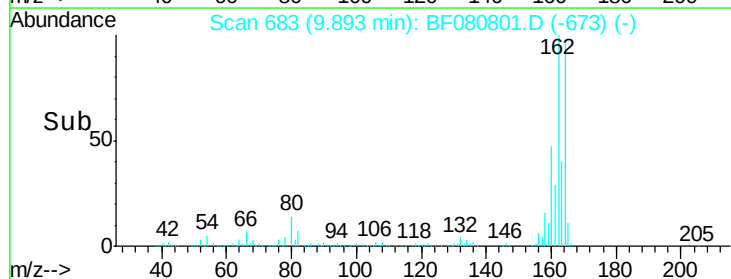
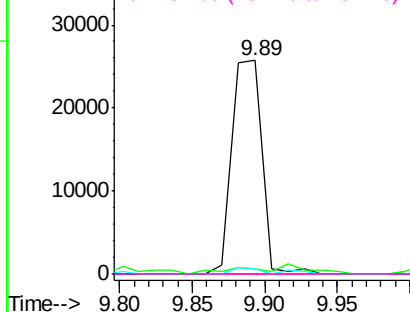


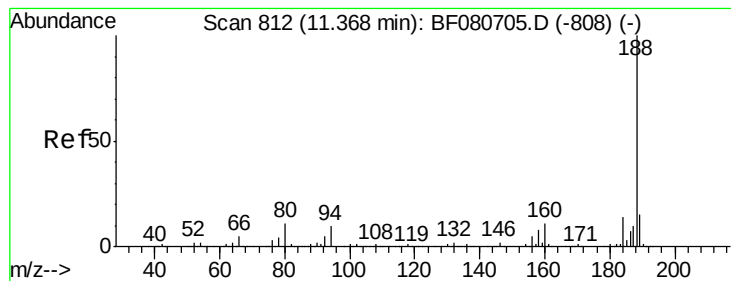
#56
2,4-Dinitrotoluene
Concen: 6.57 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.18 min
Lab File: BF080801.D
Acq: 2 Aug 2015 1:42

Tgt Ion:165 Resp: 36987
Ion Ratio Lower Upper
165 100
63 2.4 46.7 70.1#
89 2.3 67.4 101.2#
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: 11.37 min Scan# 812

Delta R.T. -0.00 min

Lab File: BF080801.D

Acq: 2 Aug 2015 1:42

Instrument :

BNA_F

ClientSampleId :

WEST-ABUT-2(0-2)

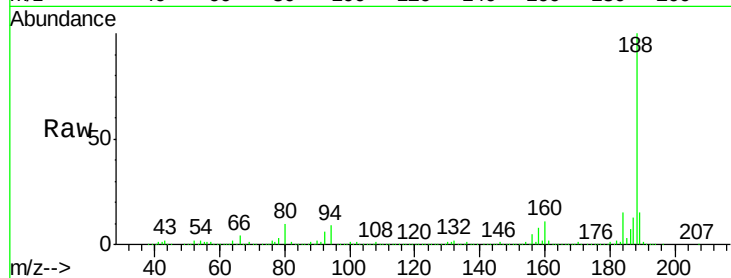
Tot Ion:188 Resp: 422345

Ion Ratio Lower Upper

188 100

94 9.5 8.1 12.1

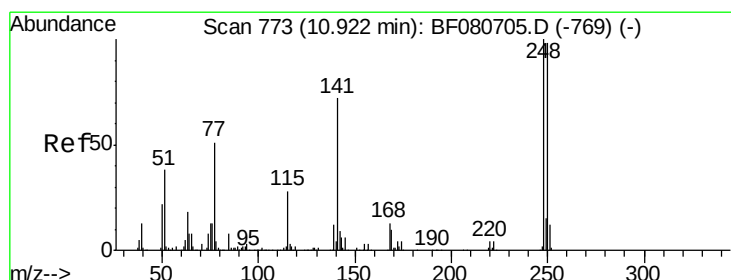
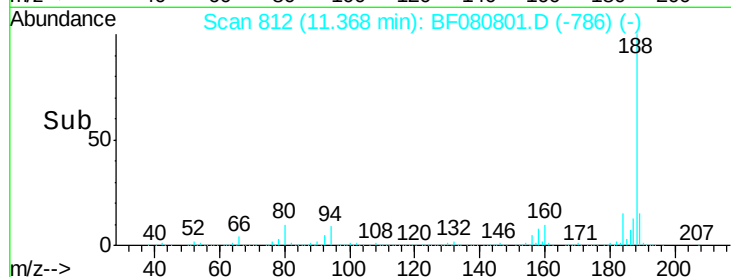
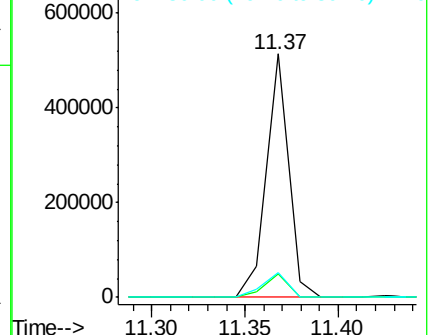
80 10.0 9.1 13.7



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: 3.81 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.25 min

Lab File: BF080801.D

Acq: 2 Aug 2015 1:42

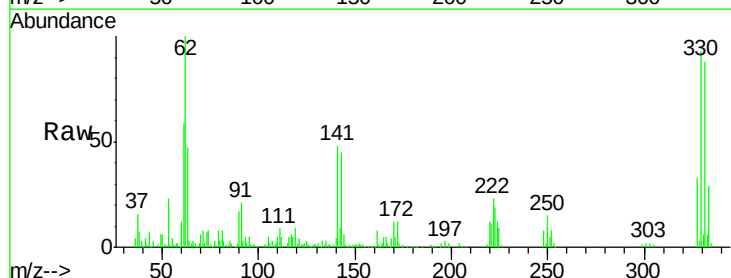
Tgt Ion:248 Resp: 16606

Ion Ratio Lower Upper

248 100

250 194.1 78.4 117.6#

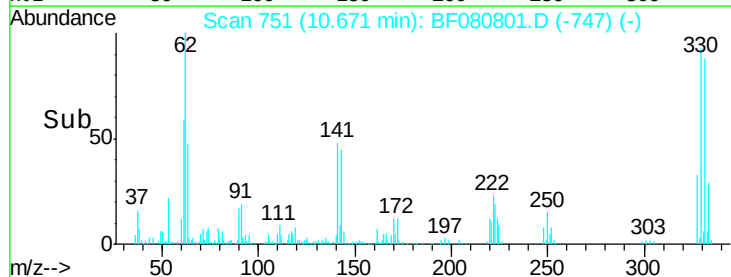
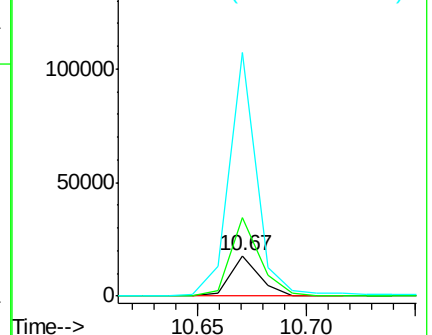
141 606.6 57.5 86.3#

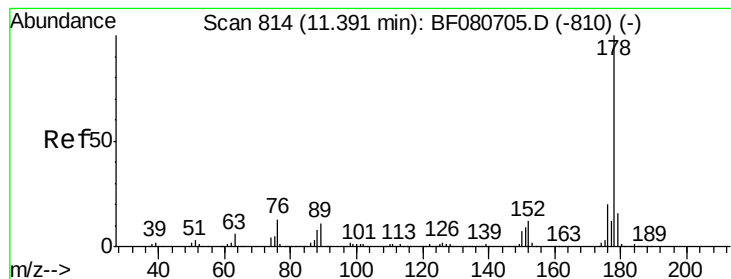


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 2.01 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.00 min

Lab File: BF080801.D

Acq: 2 Aug 2015 1:42

Instrument :

BNA_F

ClientSampleId :

WEST-ABUT-2(0-2)

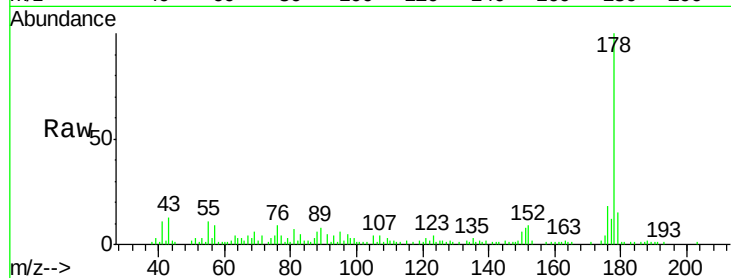
Tot Ion:178 Resp: 42722

Ion Ratio Lower Upper

178 100

176 18.2 16.2 24.4

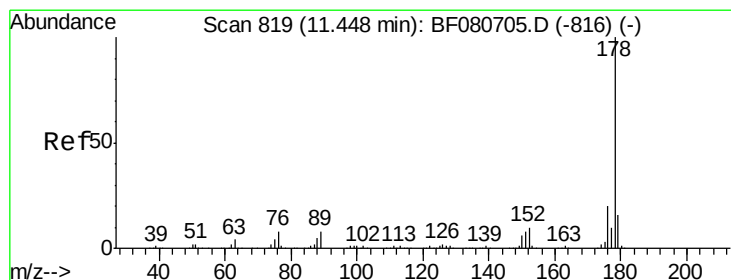
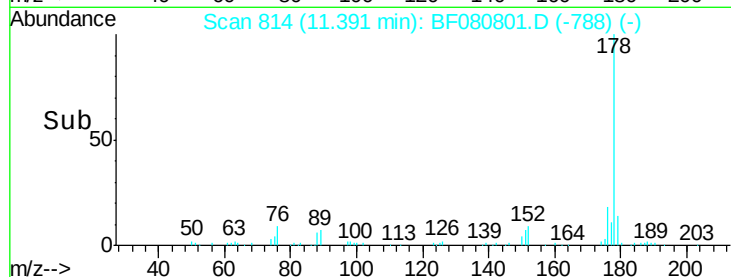
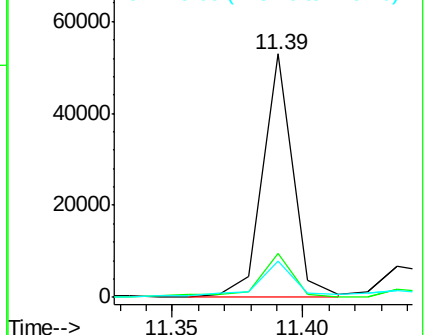
179 14.6 13.0 19.4



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: 2.04 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.06 min

Lab File: BF080801.D

Acq: 2 Aug 2015 1:42

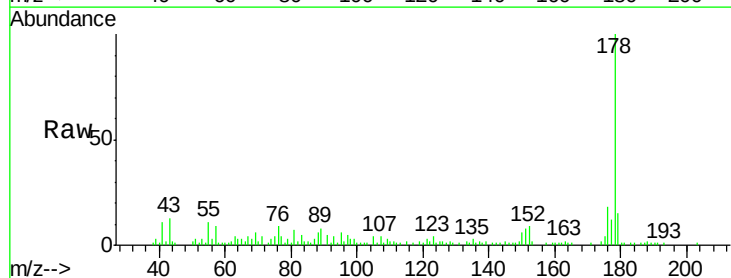
Tgt Ion:178 Resp: 42722

Ion Ratio Lower Upper

178 100

176 18.2 15.9 23.9

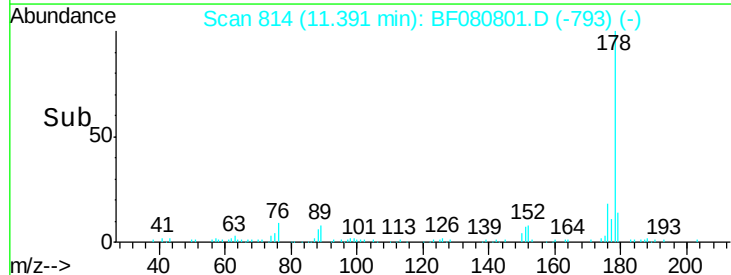
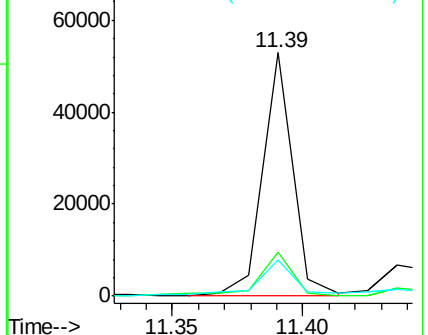
179 14.6 12.7 19.1

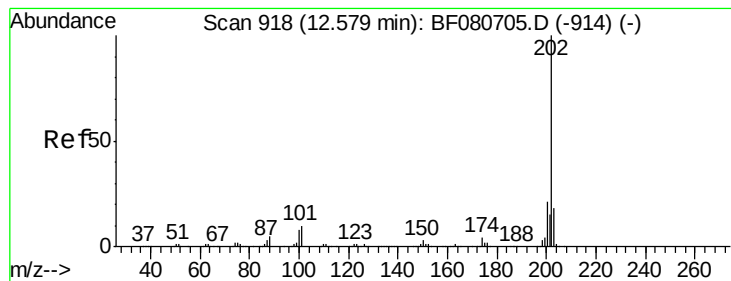


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.25 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF080801.D

Acq: 2 Aug 2015 1:42

Instrument :

BNA_F

ClientSampleId :

WEST-ABUT-2(0-2)

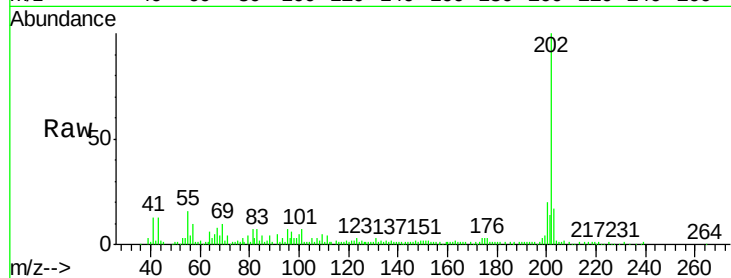
Tot Ion:202 Resp: 87499

Ion Ratio Lower Upper

202 100

101 7.3 0.0 29.6

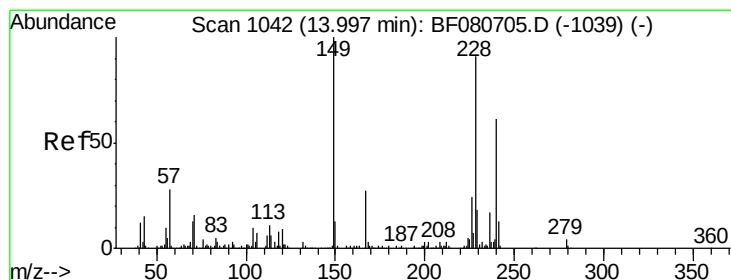
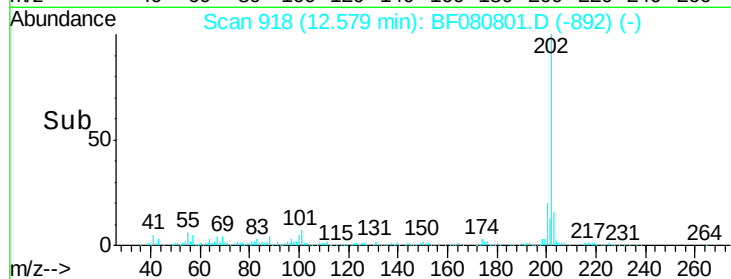
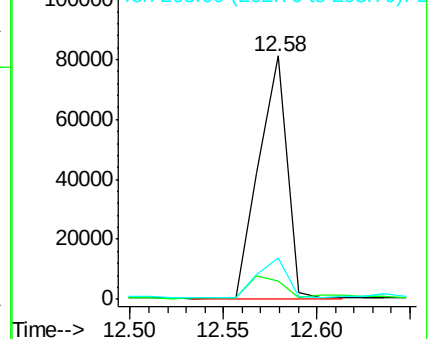
203 16.7 0.0 37.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF080801.D

Acq: 2 Aug 2015 1:42

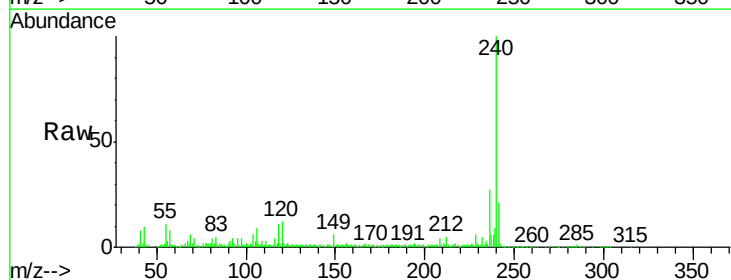
Tgt Ion:240 Resp: 256325

Ion Ratio Lower Upper

240 100

120 12.1 11.8 17.8

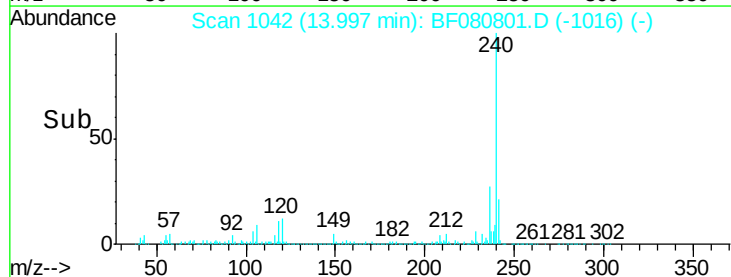
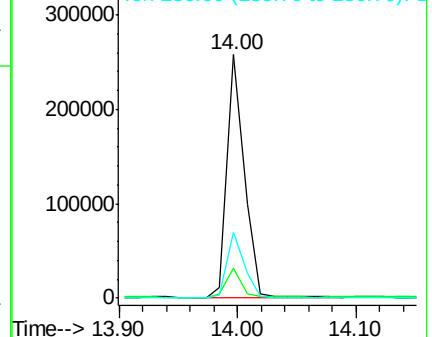
236 26.8 21.8 32.8

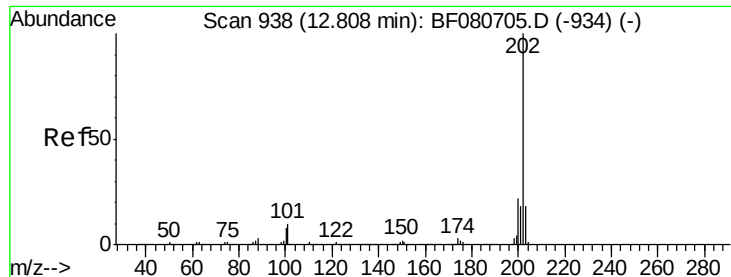


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.82 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.00 min

Lab File: BF080801.D

Acq: 2 Aug 2015 1:42

Instrument :

BNA_F

ClientSampleId :

WEST-ABUT-2(0-2)

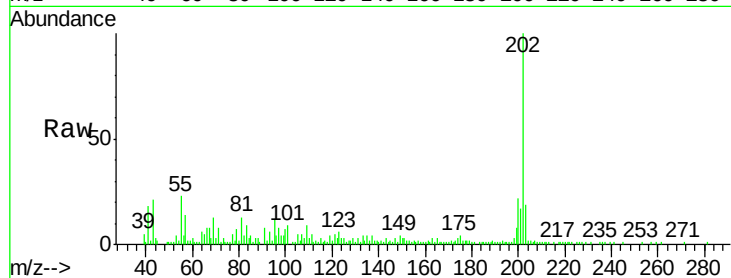
Tot Ion:202 Resp: 75939

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

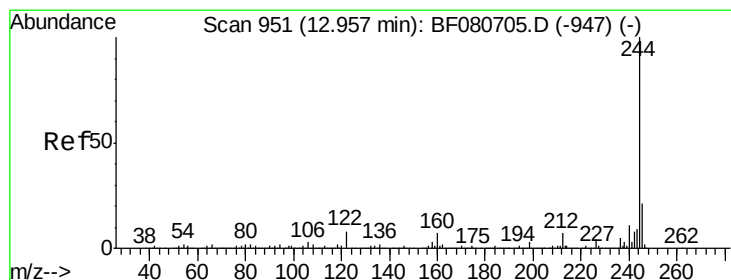
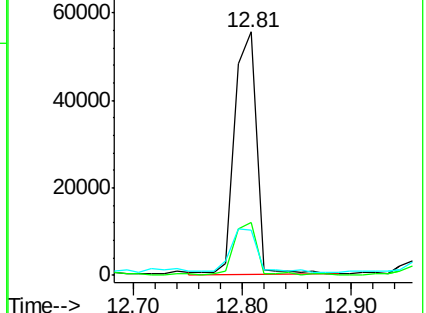
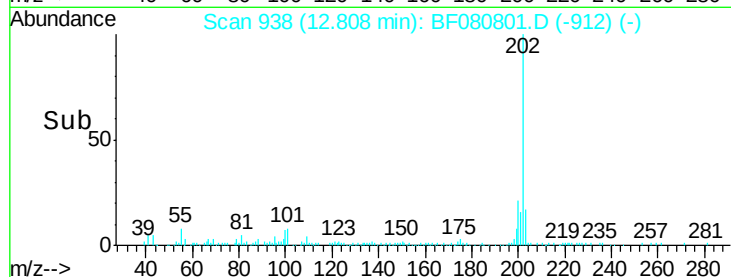
203 18.6 14.2 21.2



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: 69.60 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.00 min

Lab File: BF080801.D

Acq: 2 Aug 2015 1:42

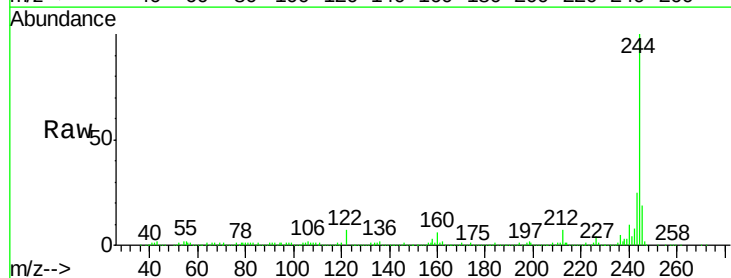
Tgt Ion:244 Resp: 943289

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

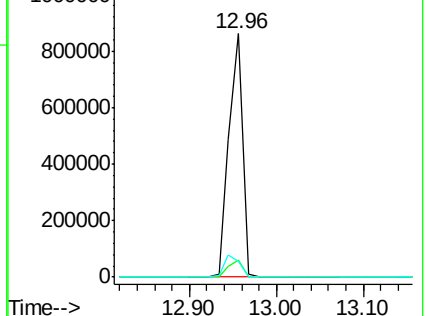
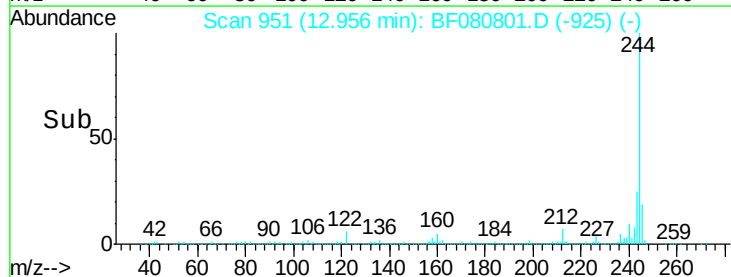
122 6.5 6.6 9.8#

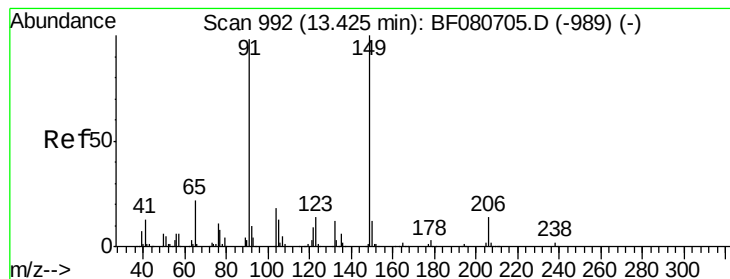


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 2.16 ng

RT: 13.43 min Scan# 992

Delta R.T. 0.00 min

Lab File: BF080801.D

Acq: 2 Aug 2015 1:42

Instrument :

BNA_F

ClientSampleId :

WEST-ABUT-2(0-2)

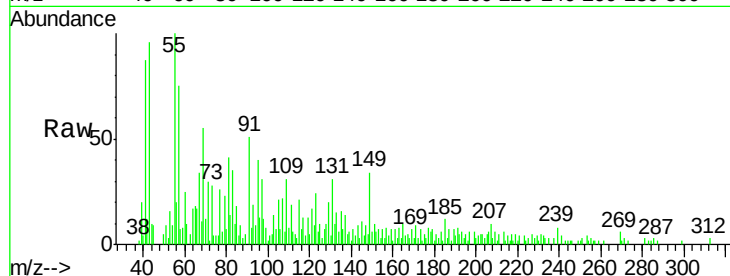
Tot Ion:149 Resp: 4104

Ion Ratio Lower Upper

149 100

91 147.8 78.6 118.0#

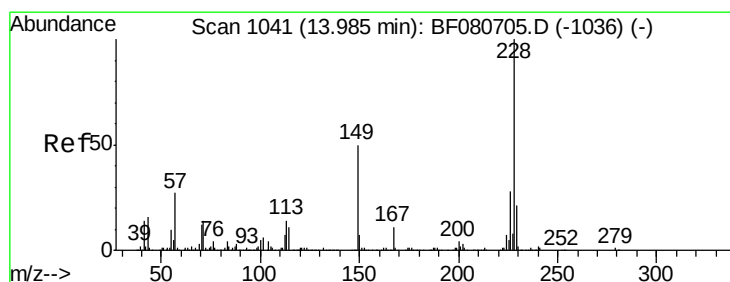
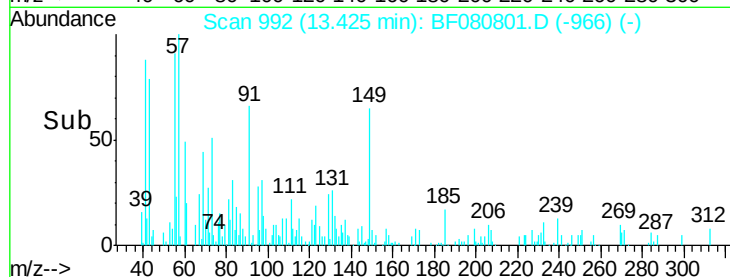
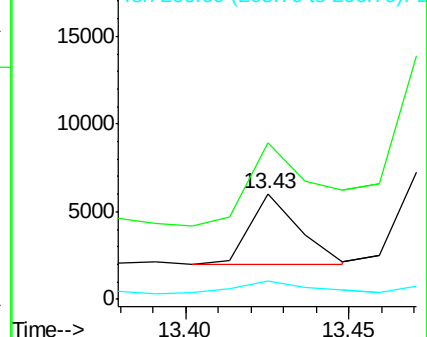
206 17.1 11.4 17.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 2.35 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF080801.D

Acq: 2 Aug 2015 1:42

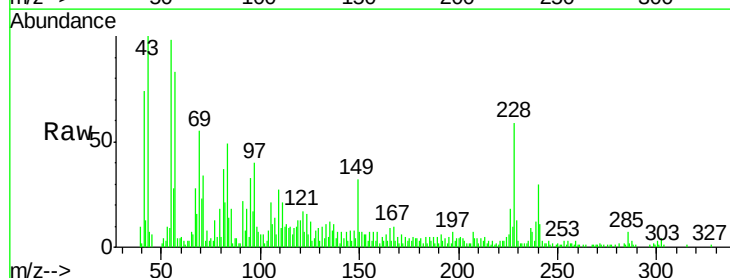
Tgt Ion:228 Resp: 36281

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

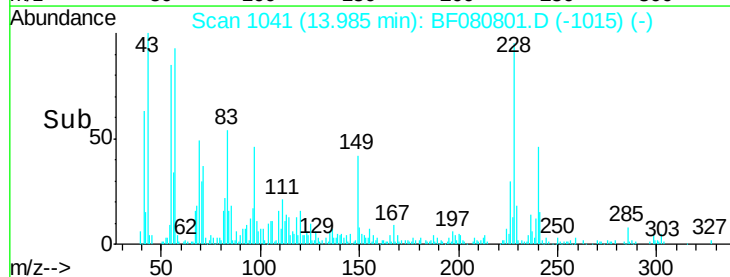
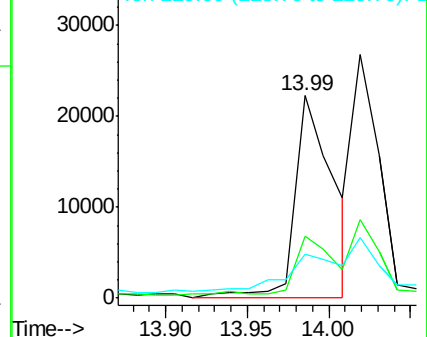
229 21.9 16.6 25.0

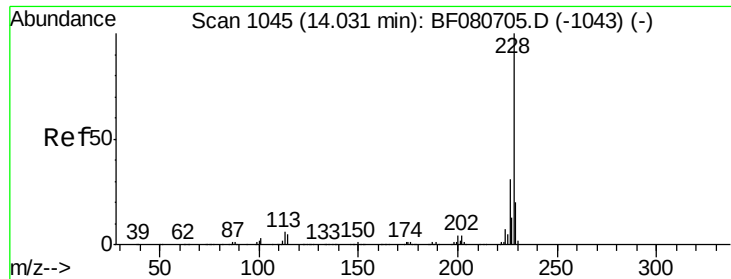


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

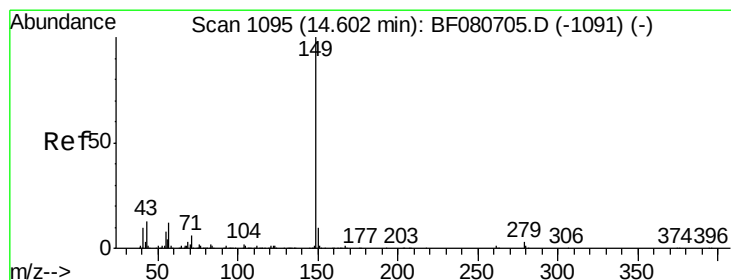
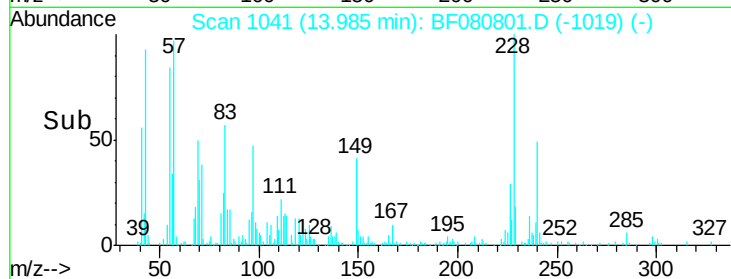
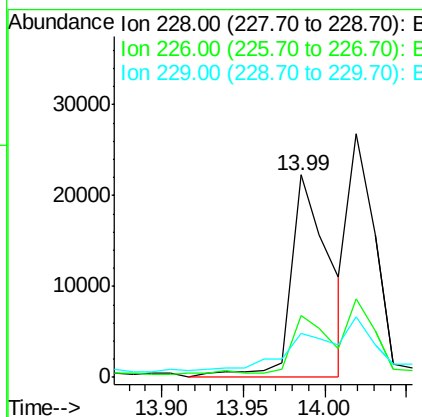
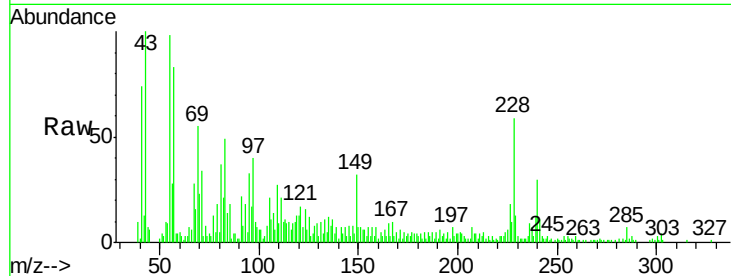




#82
Chrysene
Concen: 2.42 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.05 min
Lab File: BF080801.D
Acq: 2 Aug 2015 1:42

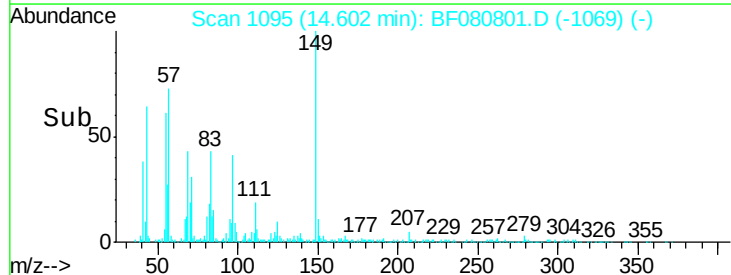
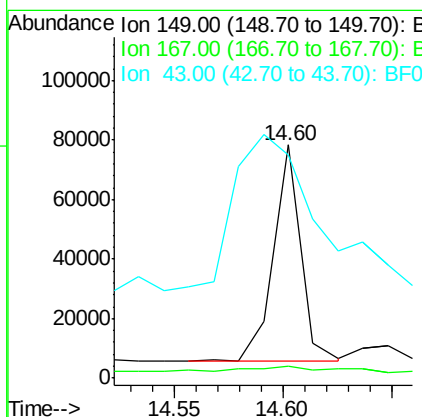
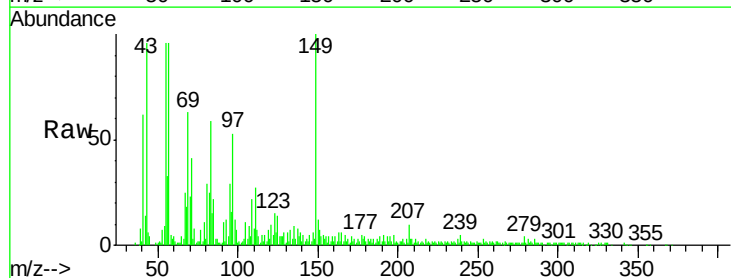
Instrument :
BNA_F
ClientSampleId :
WEST-ABUT-2(0-2)

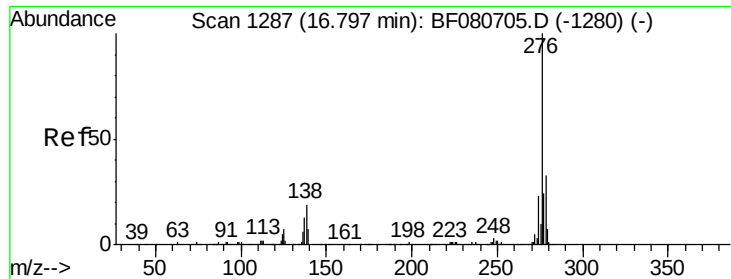
Tot Ion:228 Resp: 36281
Ion Ratio Lower Upper
228 100
226 30.8 25.1 37.7
229 21.9 15.8 23.8



#84
Di-n-octyl phthalate
Concen: 3.84 ng
RT: 14.60 min Scan# 1095
Delta R.T. 0.00 min
Lab File: BF080801.D
Acq: 2 Aug 2015 1:42

Tgt Ion:149 Resp: 63774
Ion Ratio Lower Upper
149 100
167 9.3 1.1 1.7#
43 272.3 12.2 18.4#

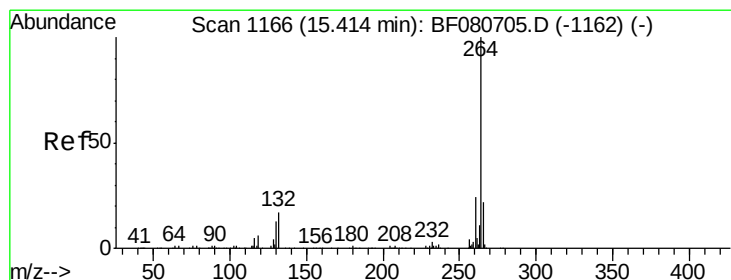
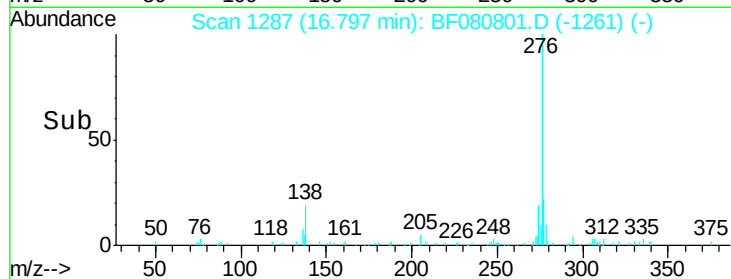
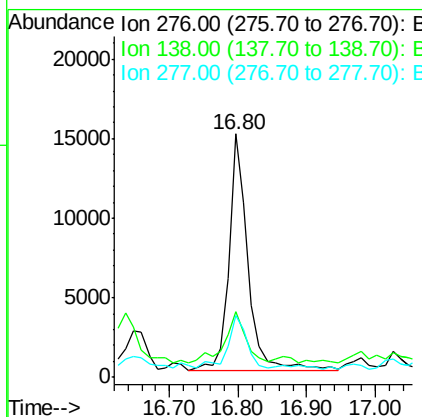
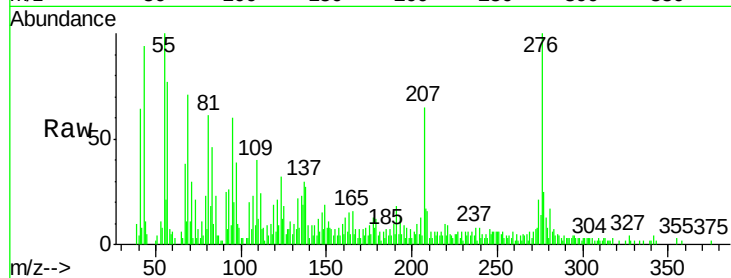




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.65 ng
RT: 16.80 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BF080801.D
Acq: 2 Aug 2015 1:42

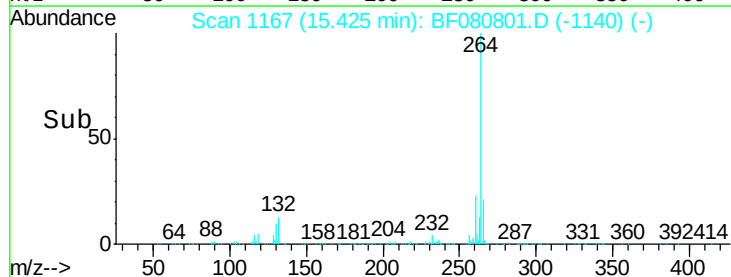
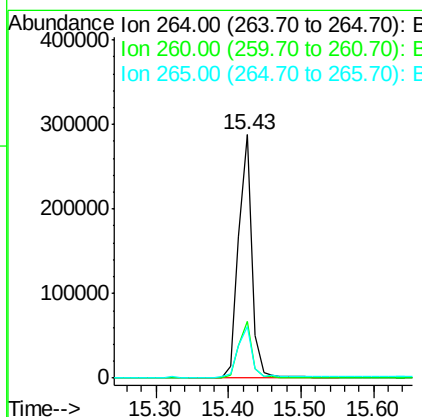
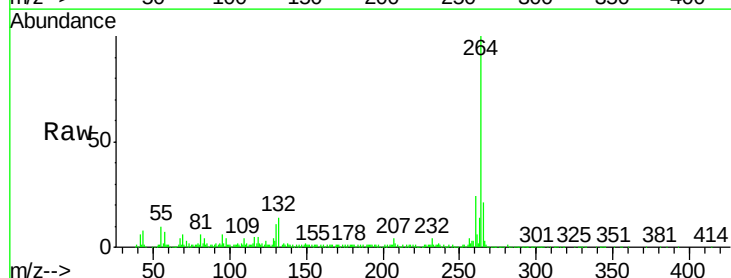
Instrument :
BNA_F
ClientSampleId :
WEST-ABUT-2(0-2)

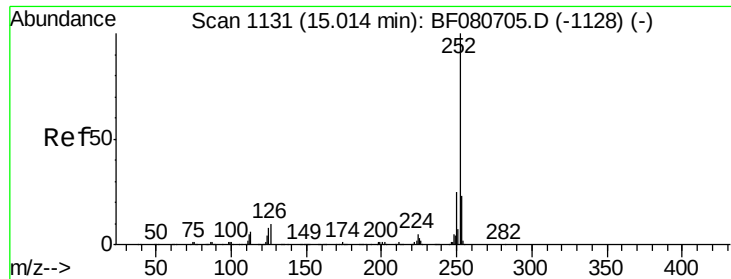
Tot Ion:276 Resp: 29072
Ion Ratio Lower Upper
276 100
138 24.3 13.2 19.8#
277 22.0 15.4 23.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. 0.01 min
Lab File: BF080801.D
Acq: 2 Aug 2015 1:42

Tgt Ion:264 Resp: 366949
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.0
265 21.1 17.3 25.9

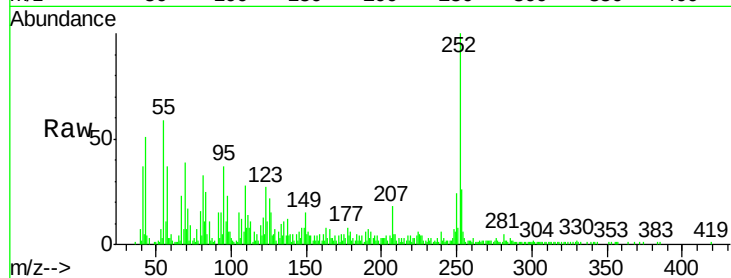




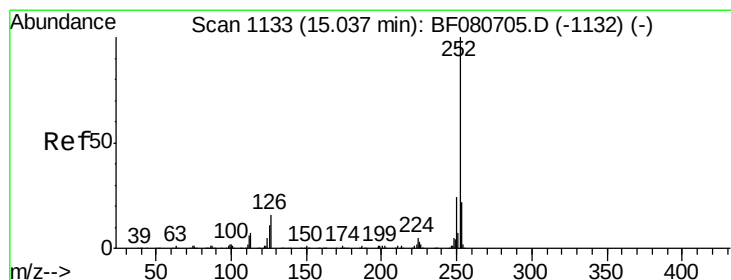
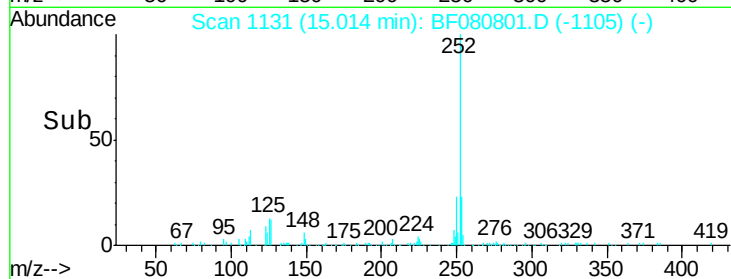
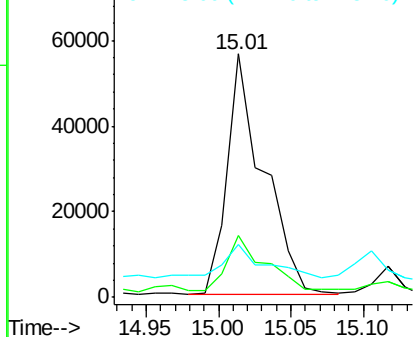
#87
Benzo(b)fluoranthene
Concen: 4.45 ng
RT: 15.01 min Scan# 1131
Delta R.T. -0.00 min
Lab File: BF080801.D
Acq: 2 Aug 2015 1:42

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

Tot Ion:252 Resp: 97443
Ion Ratio Lower Upper
252 100
253 25.5 18.1 27.1
125 21.9 6.2 9.2#

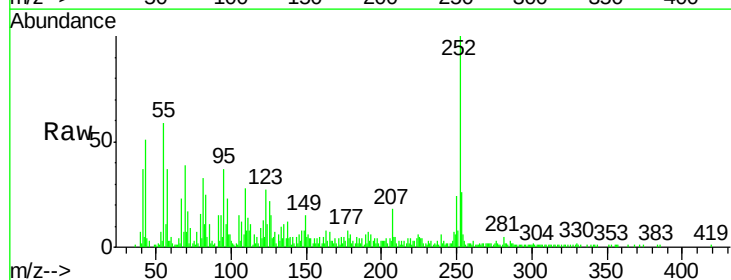


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

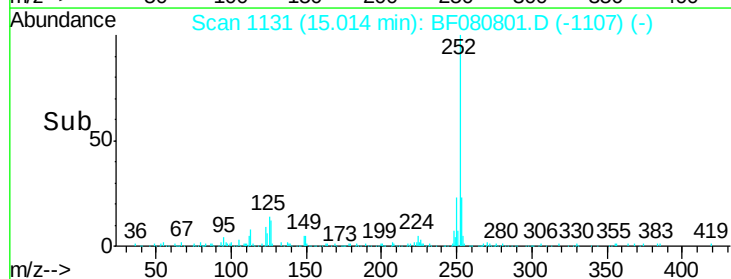
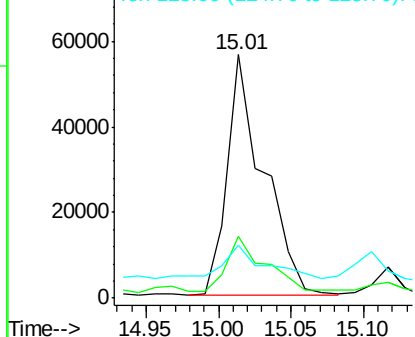


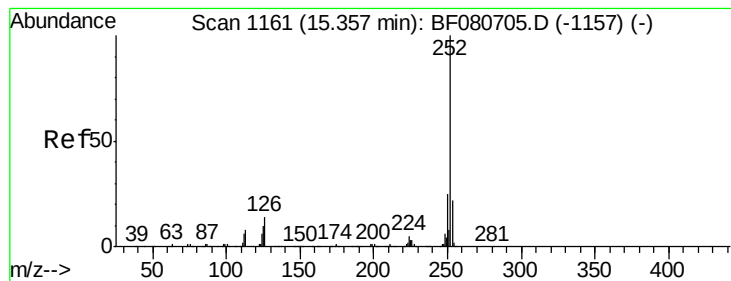
#88
Benzo(k)fluoranthene
Concen: 5.40 ng
RT: 15.01 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF080801.D
Acq: 2 Aug 2015 1:42

Tgt Ion:252 Resp: 97443
Ion Ratio Lower Upper
252 100
253 25.5 17.8 26.6
125 21.9 9.0 13.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.15 ng

RT: 15.36 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BF080801.D

Acq: 2 Aug 2015 1:42

Instrument :

BNA_F

ClientSampleId :

WEST-ABUT-2(0-2)

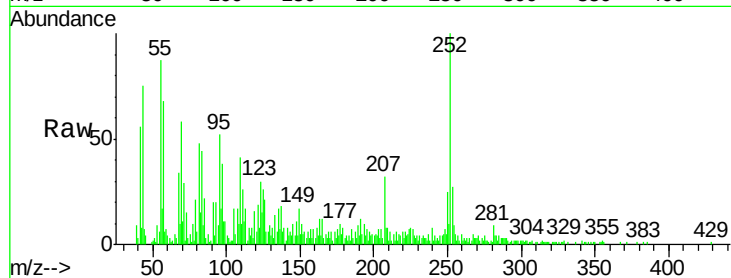
Tot Ion: 252 Resp: 38671

Ion Ratio Lower Upper

252 100

253 27.3 17.2 25.8#

125 25.5 8.2 12.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

