

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072715\
 Data File : BF080696.D
 Acq On : 28 Jul 2015 3:57
 Operator : TP/UM
 Sample : G3084-03MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-7

Quant Time: Jul 28 09:24:48 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 28 05:06:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	31370	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	100335	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	34241	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	50853	20.00	ng	0.00
75) Chrysene-d12	14.19	240	26211	20.00	ng	-0.06
86) Perylene-d12	15.80	264	15707	20.00	ng	-0.11

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	288032	146.23	ng	0.01
7) Phenol-d6	6.53	99	314895	148.60	ng	0.00
23) Nitrobenzene-d5	7.48	82	211856	108.48	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	39597	132.13	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	272691	100.34	ng	0.00
78) Terphenyl-d14	13.06	244	137202	89.67	ng	-0.01

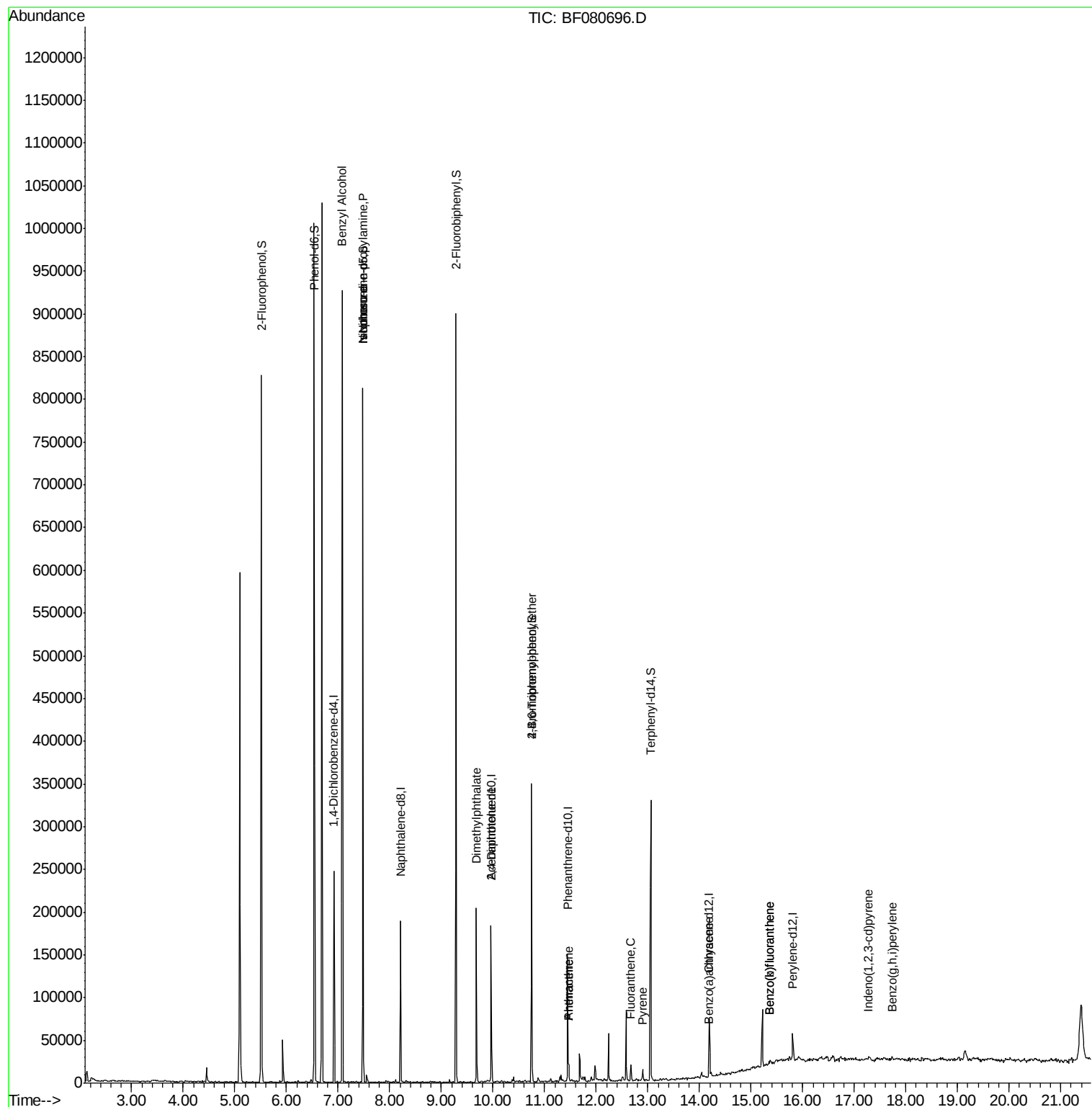
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.08	79	4121	2.38	ng	# 33
19) n-Nitroso-di-n-propylamine	7.48	70	29137	23.36	ng	# 64
25) Isophorone	7.48	82	193606	63.69	ng	# 63
49) Dimethylphthalate	9.68	163	72478	32.56	ng	99
56) 2,4-Dinitrotoluene	9.96	165	3899	7.76	ng	# 33
66) 4-Bromophenyl-phenylether	10.75	248	2825	5.20	ng	# 1
70) Phenanthrene	11.47	178	8134	2.80	ng	99
71) Anthracene	11.47	178	8134	2.88	ng	95
74) Fluoranthene	12.67	202	7932	3.48	ng	91
77) Pyrene	12.90	202	7343	3.35	ng	# 95
80) Benzo(a)anthracene	14.18	228	3183	2.10	ng	# 83
85) Indeno(1,2,3-cd)pyrene	17.28	276	2251	3.52	ng	# 76
87) Benzo(b)fluoranthene	15.37	252	3237	2.83	ng	# 53
88) Benzo(k)fluoranthene	15.37	252	3237	3.09	ng	# 53
91) Benzo(a,h,i)perylene	17.73	276	2967	5.09	ng	# 85

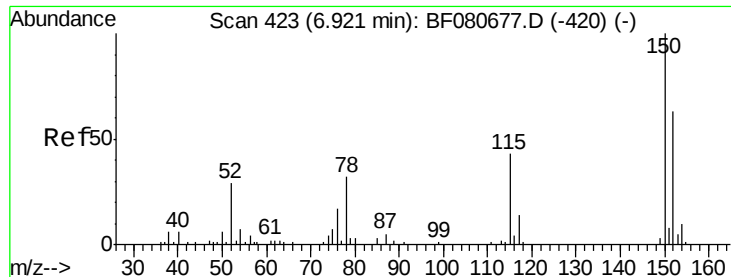
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF080696.D

Acq: 28 Jul 2015 3:57

Instrument :

BNA_F

ClientSampleId :

DUMBO-EP-7

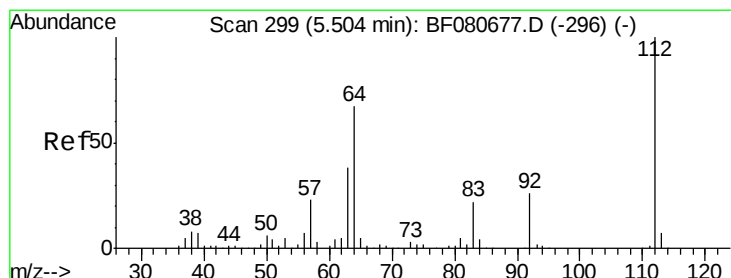
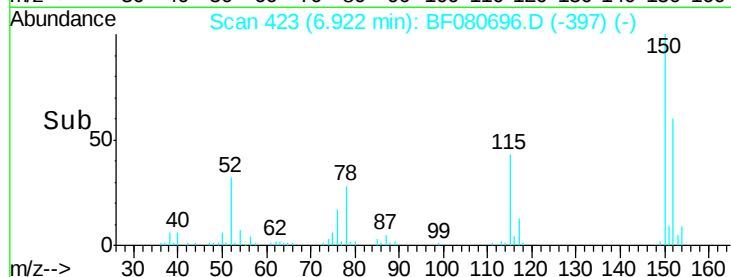
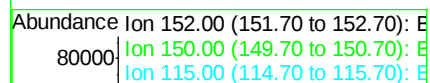
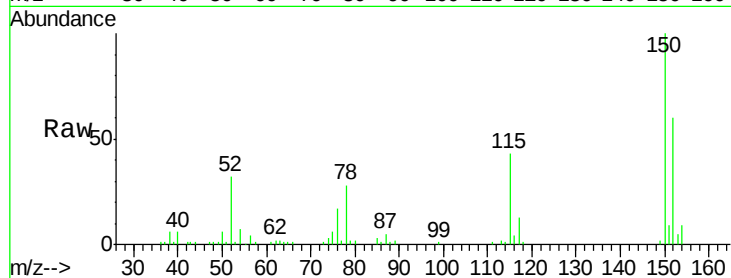
Tot Ion:152 Resp: 31370

Ion Ratio Lower Upper

152 100

150 166.3 127.7 191.5

115 71.8 54.2 81.4



#5

2-Fluorophenol

Concen: 146.23 ng

RT: 5.52 min Scan# 300

Delta R.T. 0.01 min

Lab File: BF080696.D

Acq: 28 Jul 2015 3:57

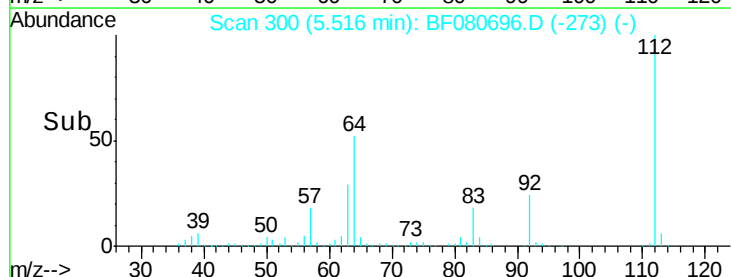
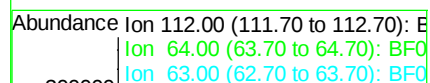
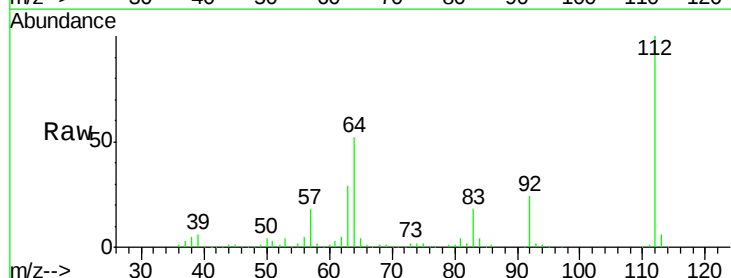
Tgt Ion:112 Resp: 288032

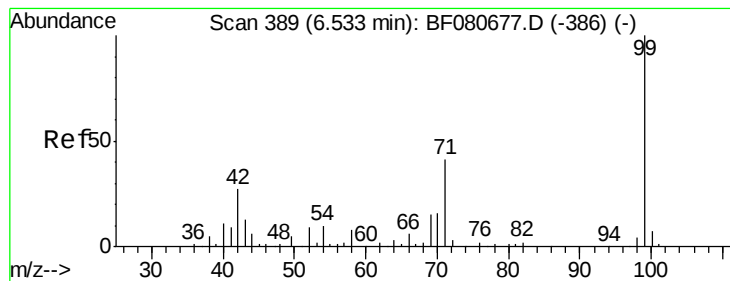
Ion Ratio Lower Upper

112 100

64 52.2 53.2 79.8#

63 28.8 30.4 45.6#





#7

Phenol-d6

Concen: 148.60 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF080696.D

Acq: 28 Jul 2015 3:57

Instrument :

BNA_F

ClientSampleId :

DUMBO-EP-7

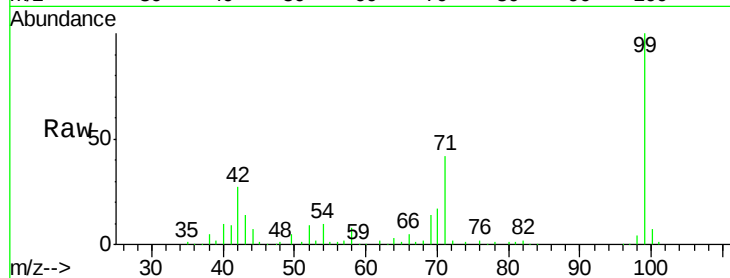
Tot Ion: 99 Resp: 314895

Ion Ratio Lower Upper

99 100

42 27.1 21.8 32.8

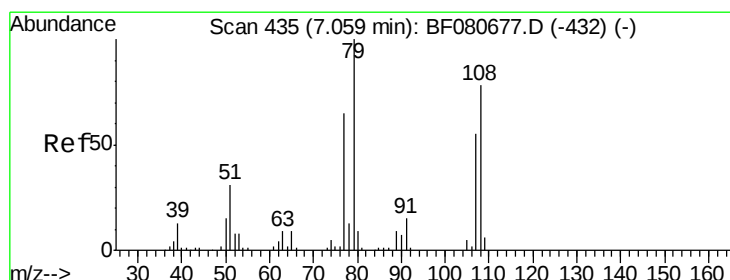
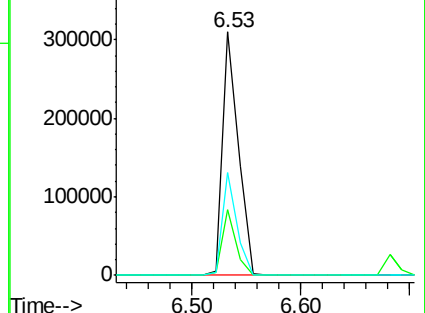
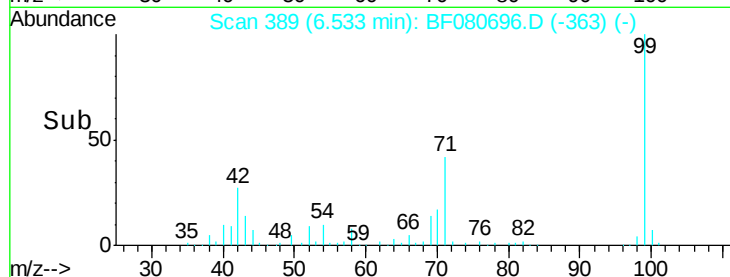
71 42.1 32.9 49.3



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



#15

Benzyl Alcohol

Concen: 2.38 ng

RT: 7.08 min Scan# 437

Delta R.T. 0.02 min

Lab File: BF080696.D

Acq: 28 Jul 2015 3:57

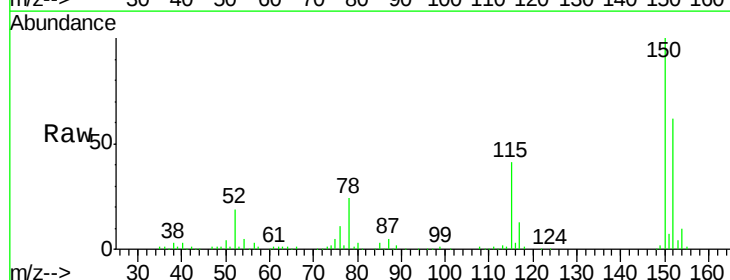
Tgt Ion: 79 Resp: 4121

Ion Ratio Lower Upper

79 100

108 37.7 62.7 94.1#

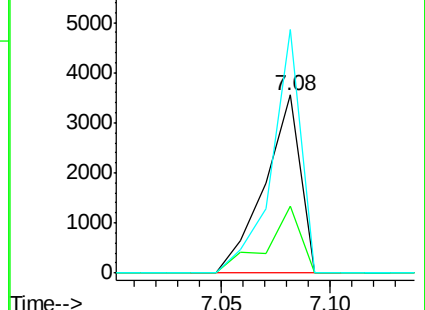
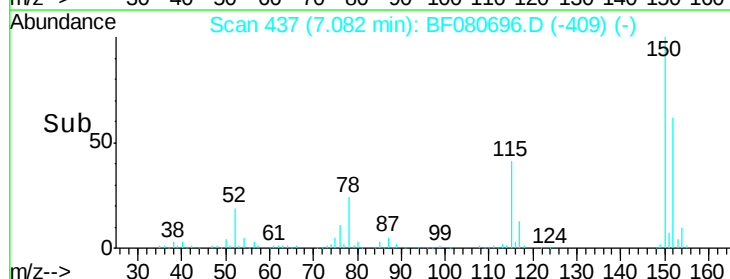
77 136.7 51.8 77.8#

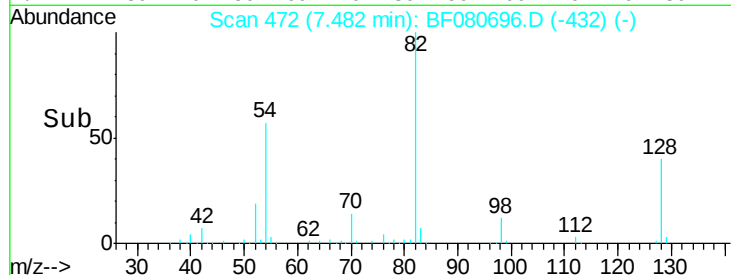
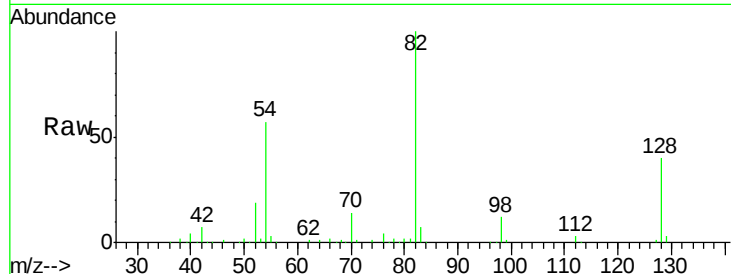
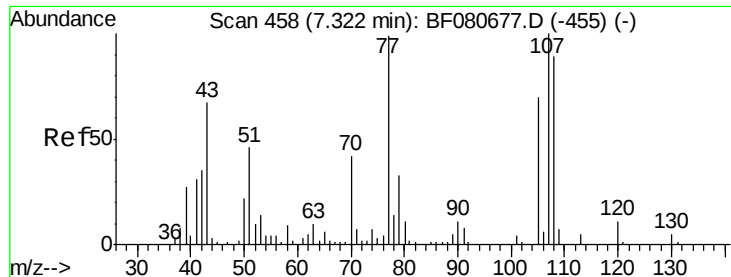


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

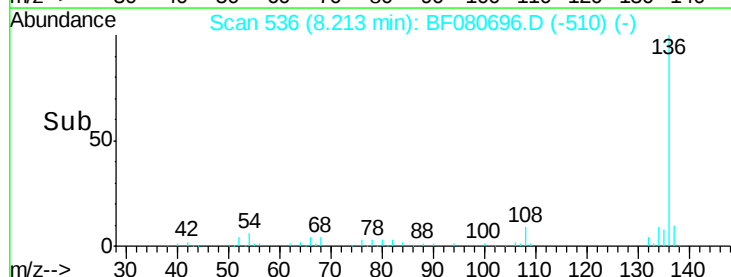
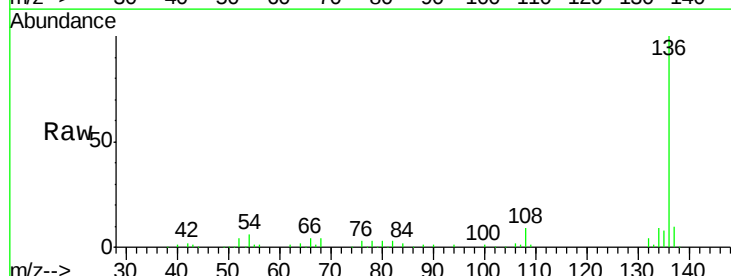
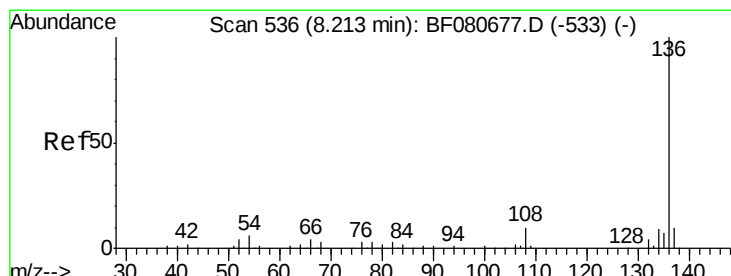
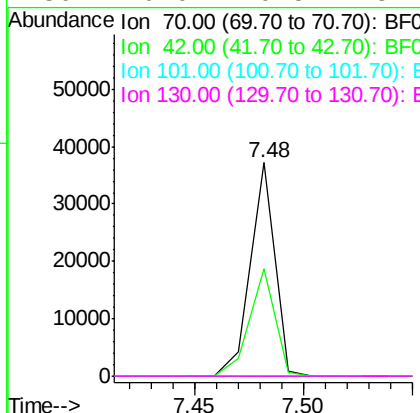




#19
n-Nitroso-di-n-propylamine
Concen: 23.36 ng
RT: 7.48 min Scan# 472
Delta R.T. 0.16 min
Lab File: BF080696.D
Acq: 28 Jul 2015 3:57

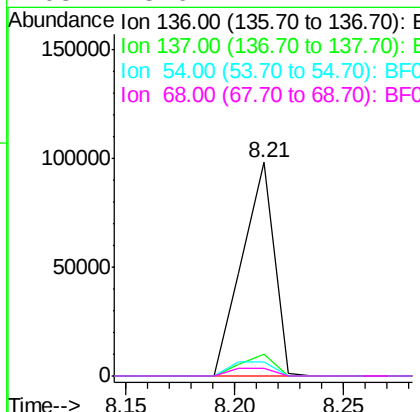
Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-7

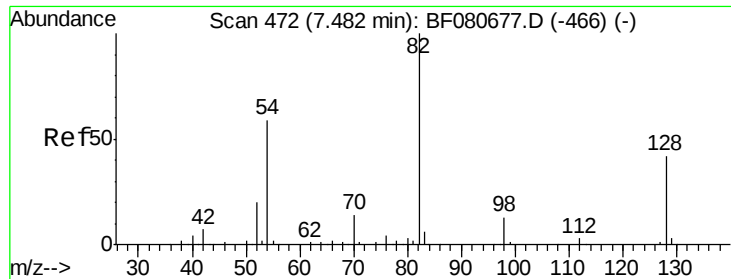
Tot Ion: 70 Resp: 29137
Ion Ratio Lower Upper
70 100
42 50.3 67.4 101.2#
101 0.0 7.3 10.9#
130 0.0 10.5 15.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 536
Delta R.T. 0.00 min
Lab File: BF080696.D
Acq: 28 Jul 2015 3:57

Tgt Ion:136 Resp: 100335
Ion Ratio Lower Upper
136 100
137 9.9 8.2 12.2
54 6.5 5.0 7.4
68 3.6 2.7 4.1

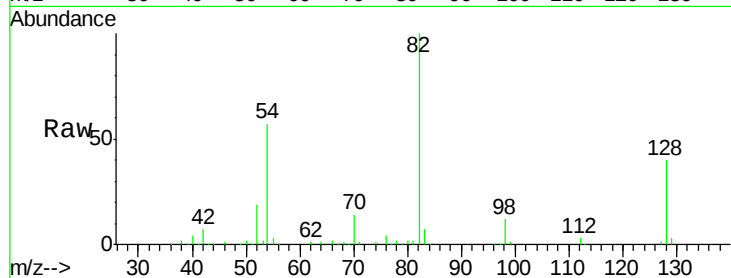




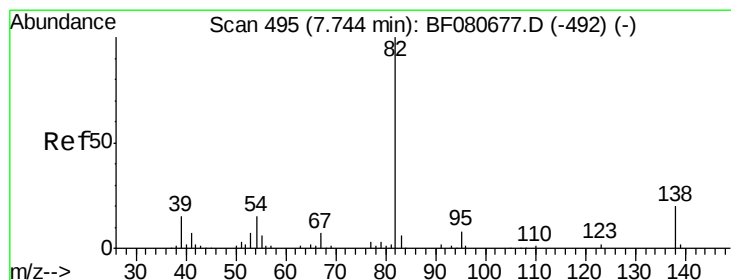
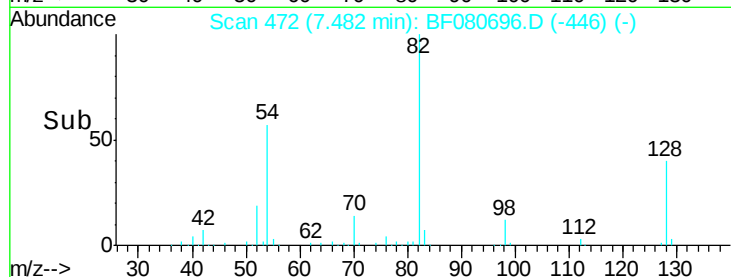
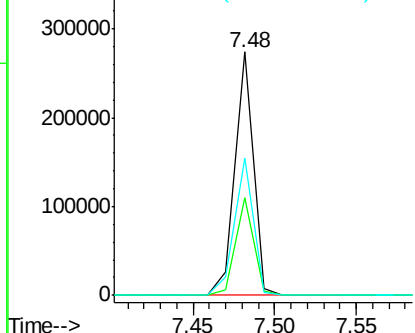
#23
 Nitrobenzene-d5
 Concen: 108.48 ng
 RT: 7.48 min Scan# 472
 Delta R.T. 0.00 min
 Lab File: BF080696.D
 Acq: 28 Jul 2015 3:57

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-7

Tot Ion	82	Resp	211856
Ion Ratio	100	Lower	Upper
128	39.9	33.7	50.5
54	56.6	47.3	70.9

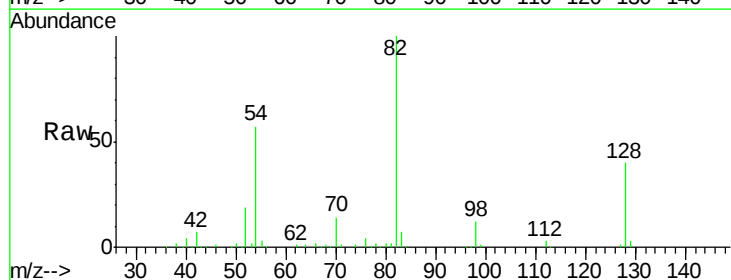


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

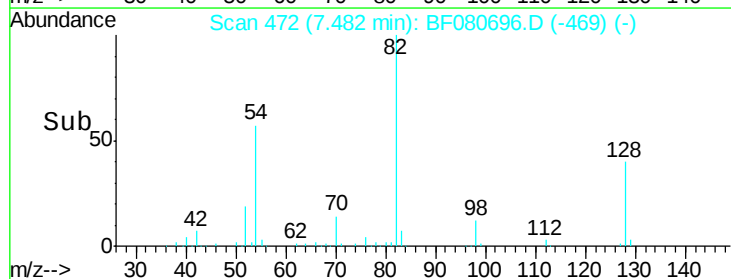
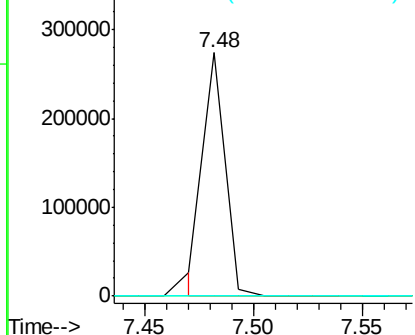


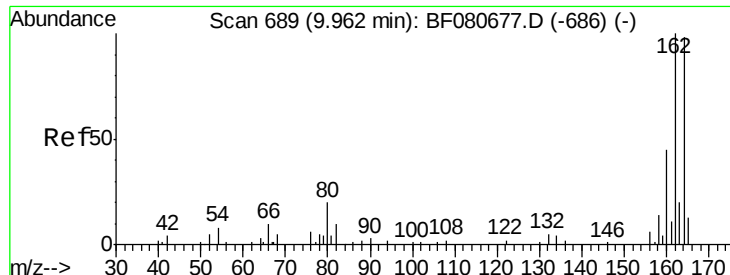
#25
 Isophorone
 Concen: 63.69 ng
 RT: 7.48 min Scan# 472
 Delta R.T. -0.26 min
 Lab File: BF080696.D
 Acq: 28 Jul 2015 3:57

Tgt Ion	82	Resp	193606
Ion Ratio	100	Lower	Upper
95	0.0	6.2	9.2#
138	0.0	15.8	23.6#



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

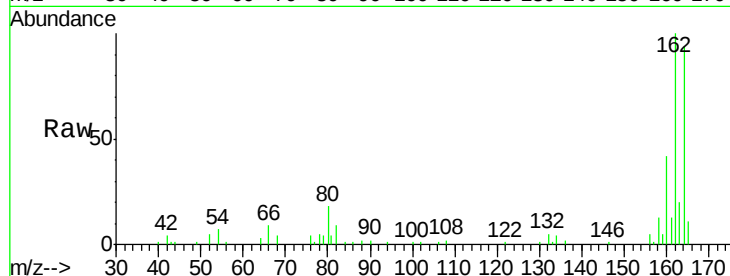




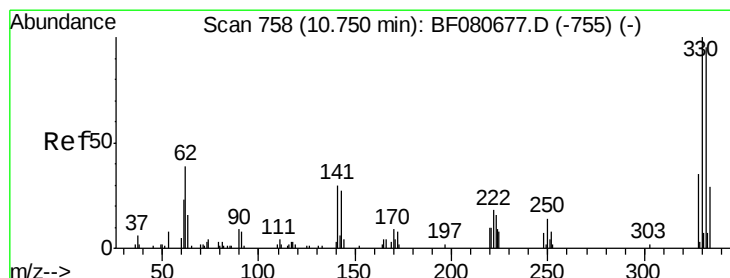
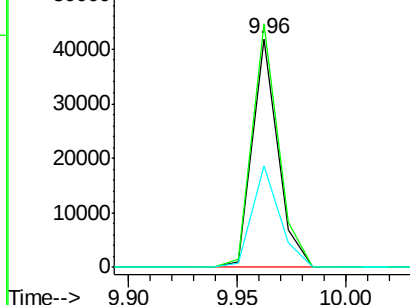
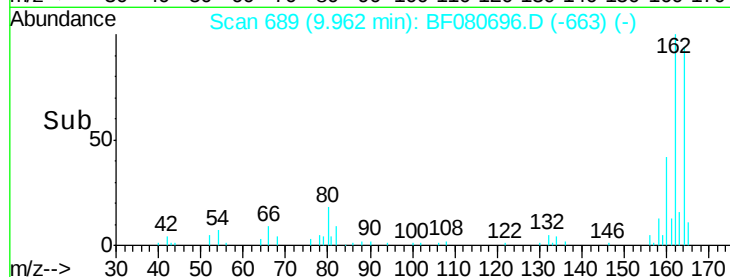
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.96 min Scan# 689
Delta R.T. 0.00 min
Lab File: BF080696.D
Acq: 28 Jul 2015 3:57

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-7

Tot Ion:164 Resp: 34241
Ion Ratio Lower Upper
164 100
162 106.6 82.0 123.0
160 44.4 36.7 55.1

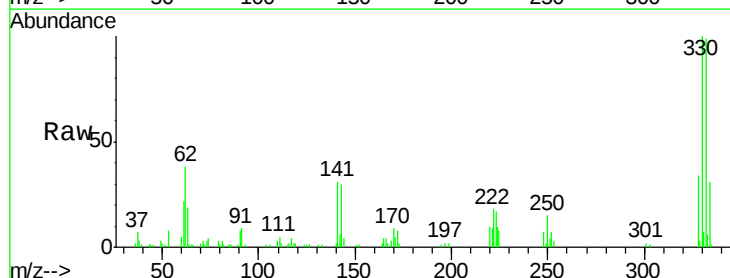


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

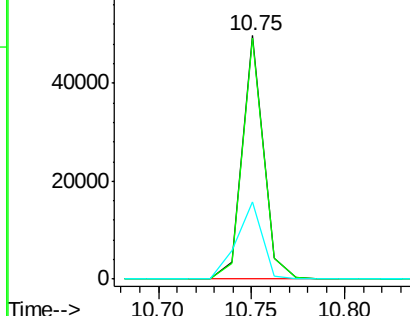
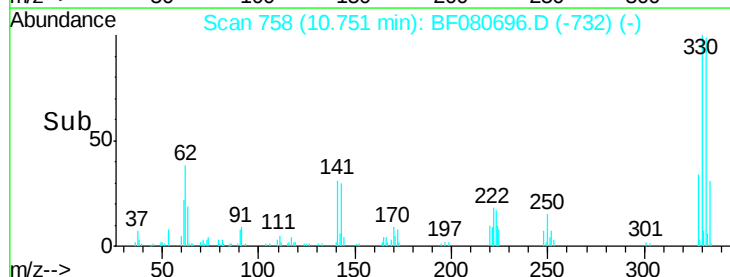


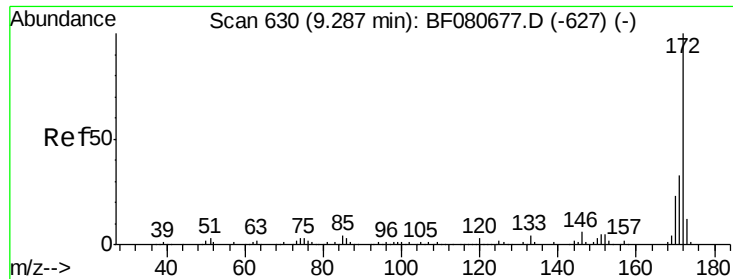
#41
2,4,6-Tribromophenol
Concen: 132.13 ng
RT: 10.75 min Scan# 758
Delta R.T. 0.00 min
Lab File: BF080696.D
Acq: 28 Jul 2015 3:57

Tgt Ion:330 Resp: 39597
Ion Ratio Lower Upper
330 100
332 98.3 76.9 115.3
141 38.0 30.6 45.8



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

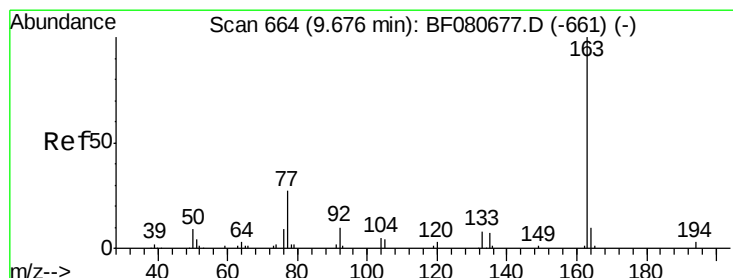
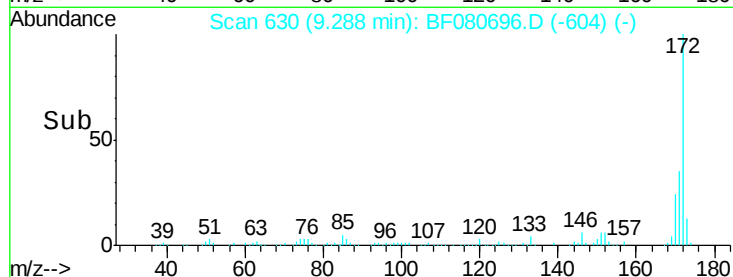
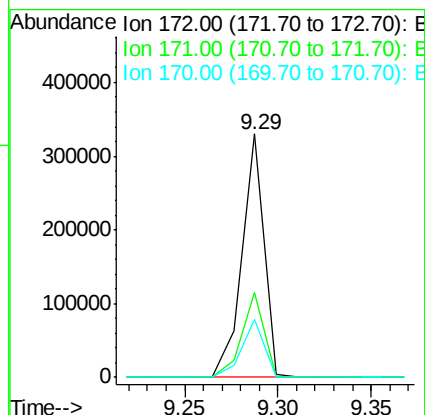
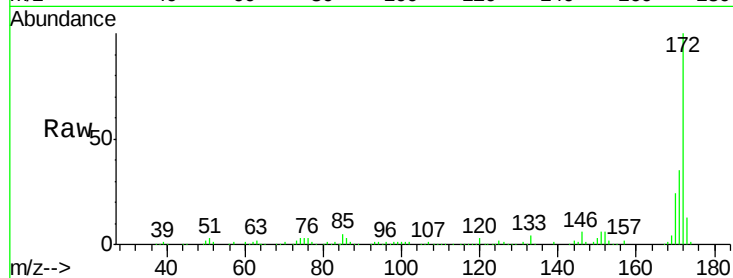




#44
2-Fluorobiphenyl
Concen: 100.34 ng
RT: 9.29 min Scan# 630
Delta R.T. 0.00 min
Lab File: BF080696.D
Acq: 28 Jul 2015 3:57

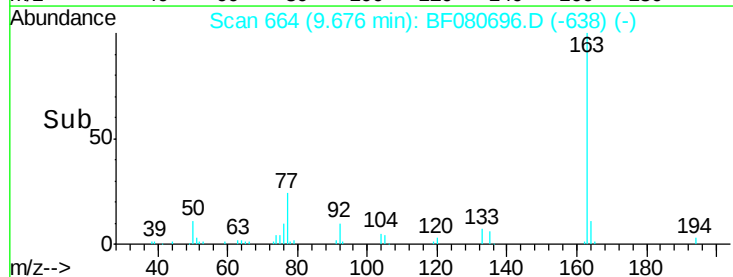
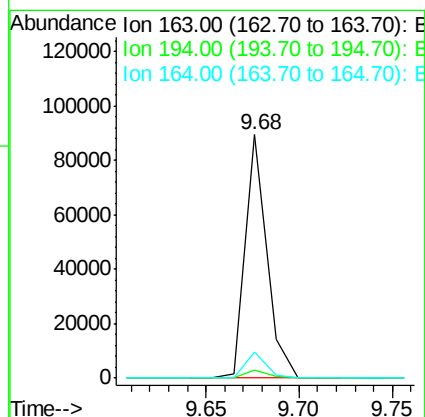
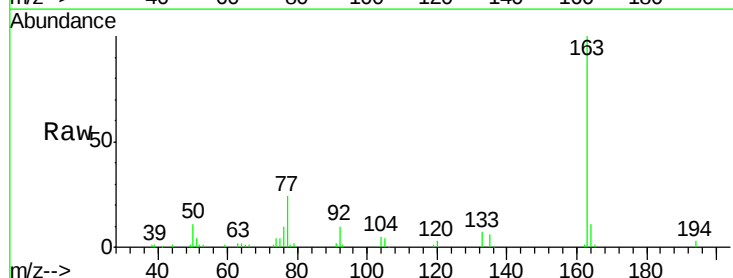
Instrument :
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DUMBO-EP-7

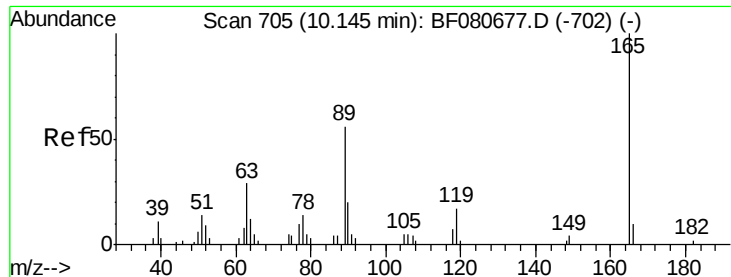
Tot Ion:172 Resp: 272691
Ion Ratio Lower Upper
172 100
171 35.0 26.6 39.8
170 23.6 18.6 28.0



#49
Dimethylphthalate
Concen: 32.56 ng
RT: 9.68 min Scan# 664
Delta R.T. 0.00 min
Lab File: BF080696.D
Acq: 28 Jul 2015 3:57

Tgt Ion:163 Resp: 72478
Ion Ratio Lower Upper
163 100
194 3.4 2.4 3.6
164 10.6 8.1 12.1

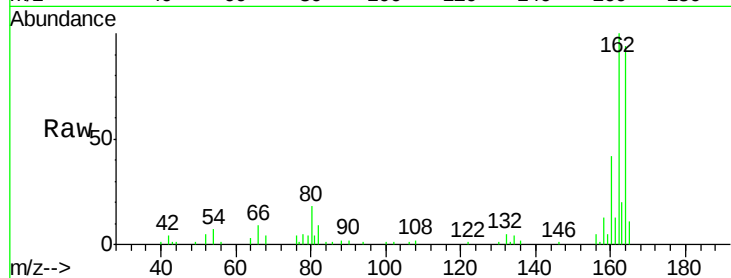




#56
 2,4-Dinitrotoluene
 Concen: 7.76 ng
 RT: 9.96 min Scan# 689
 Delta R.T. -0.18 min
 Lab File: BF080696.D
 Acq: 28 Jul 2015 3:57

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-7

Tot Ion:165	Resp:	3899
Ion Ratio	Lower	Upper
165	100	
63	0.0	23.2 34.8#
89	0.0	44.6 67.0#
182	0.0	1.9 2.9#

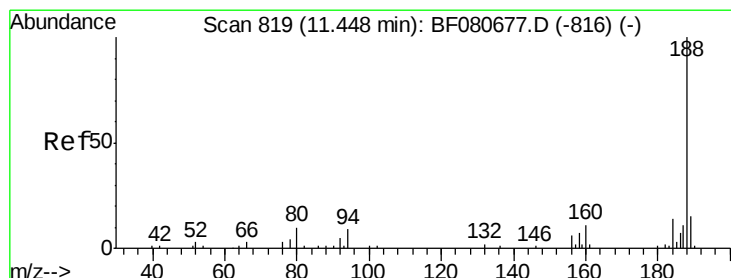
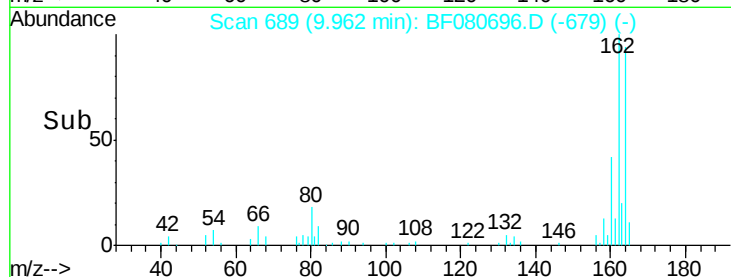
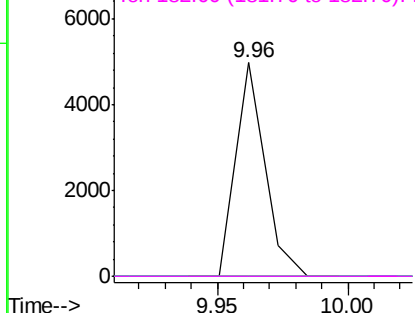


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

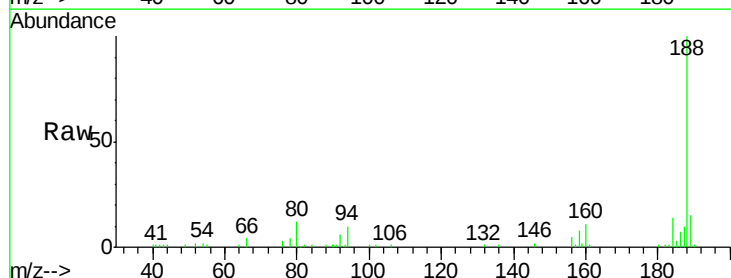
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.45 min Scan# 819
 Delta R.T. 0.00 min
 Lab File: BF080696.D
 Acq: 28 Jul 2015 3:57

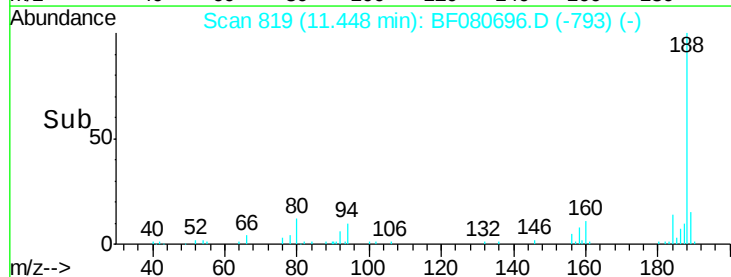
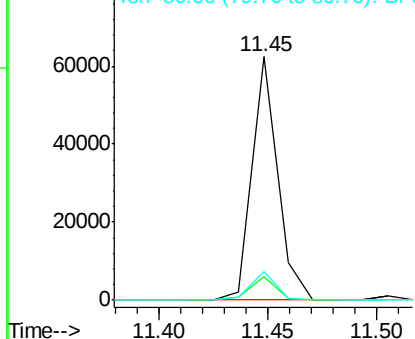
Tgt Ion:188	Resp:	50853
Ion Ratio	Lower	Upper
188	100	
94	9.9	7.2 10.8
80	11.7	8.2 12.2

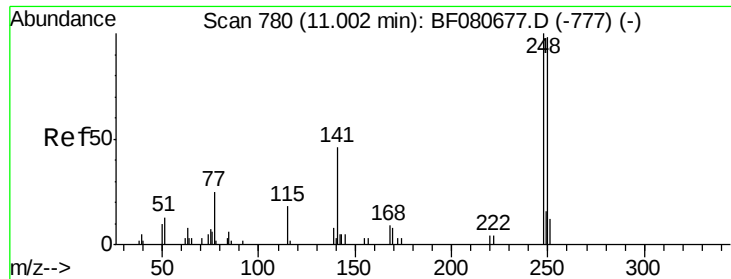


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

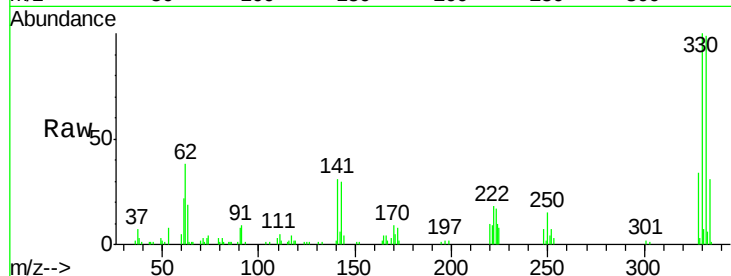




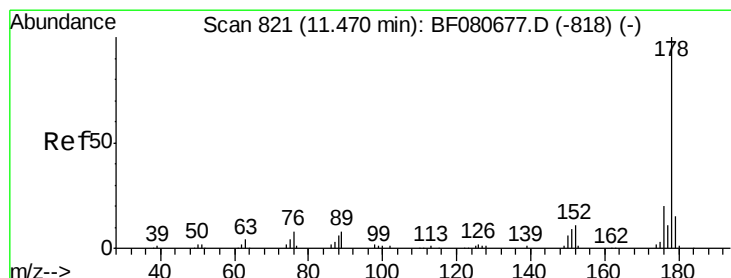
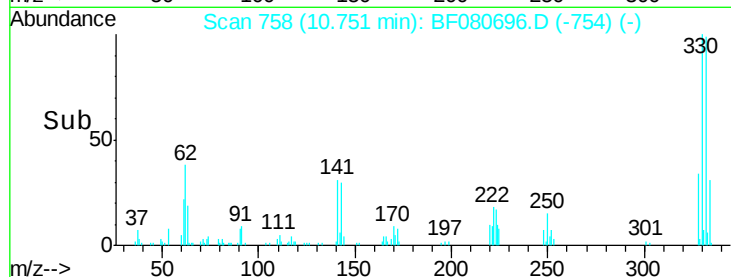
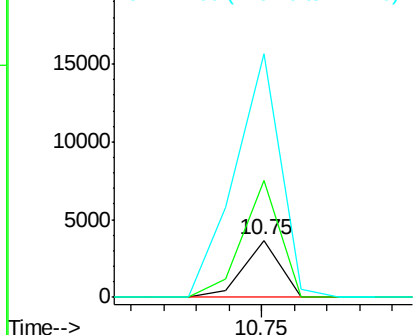
#66
4-Bromophenyl-phenylether
Concen: 5.20 ng
RT: 10.75 min Scan# 758
Delta R.T. -0.25 min
Lab File: BF080696.D
Acq: 28 Jul 2015 3:57

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-7

Tot Ion:248 Resp: 2825
Ion Ratio Lower Upper
248 100
250 205.0 78.5 117.7#
141 426.1 36.8 55.2#

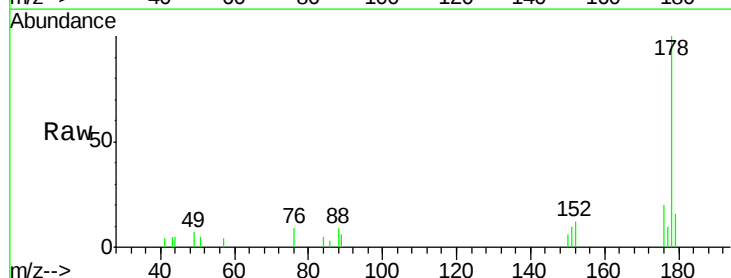


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

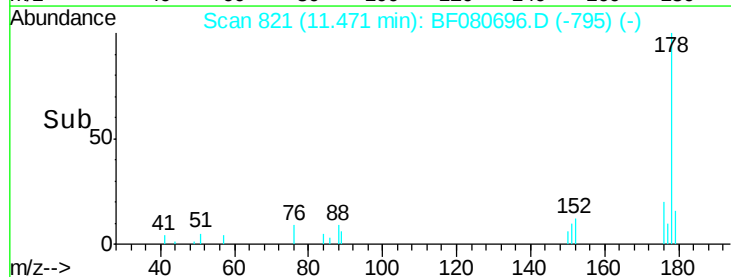
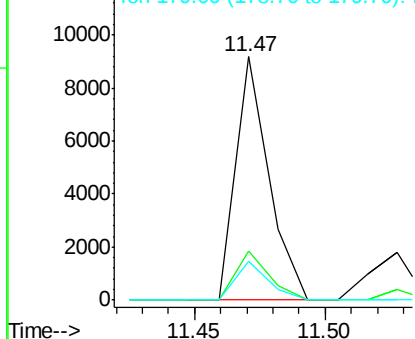


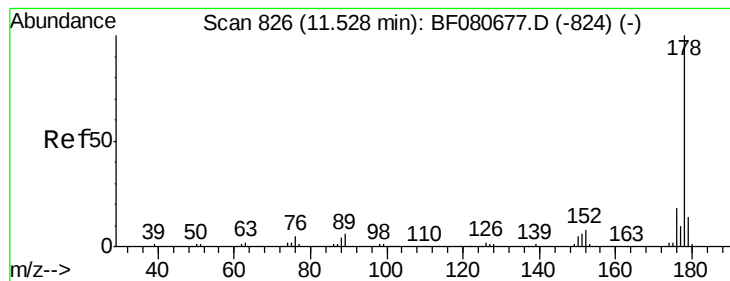
#70
Phenanthrene
Concen: 2.80 ng
RT: 11.47 min Scan# 821
Delta R.T. 0.00 min
Lab File: BF080696.D
Acq: 28 Jul 2015 3:57

Tgt Ion:178 Resp: 8134
Ion Ratio Lower Upper
178 100
176 20.2 15.6 23.4
179 15.7 12.3 18.5



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: 2.88 ng

RT: 11.47 min Scan# 821

Delta R.T. -0.06 min

Lab File: BF080696.D

Acq: 28 Jul 2015 3:57

Instrument :

BNA_F

ClientSampleId :

DUMBO-EP-7

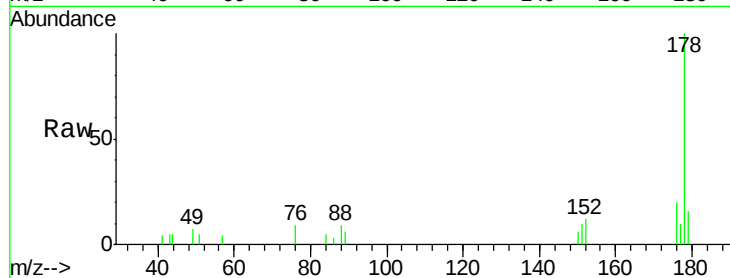
Tot Ion:178 Resp: 8134

Ion Ratio Lower Upper

178 100

176 20.2 14.3 21.5

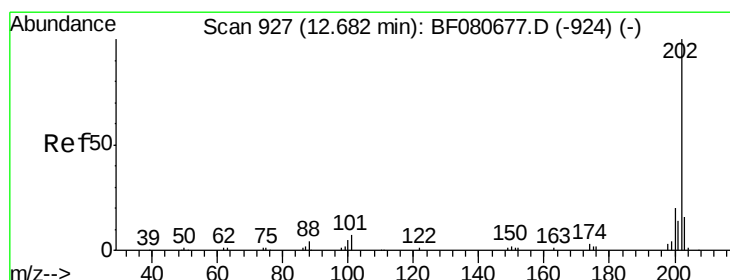
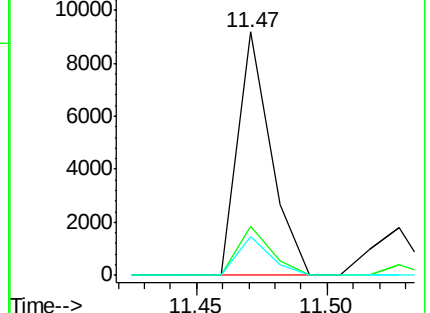
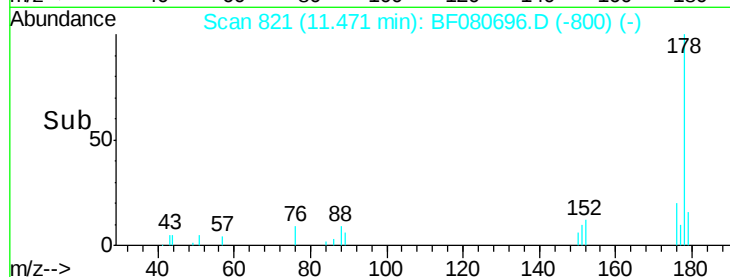
179 15.7 10.8 16.2



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: 3.48 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF080696.D

Acq: 28 Jul 2015 3:57

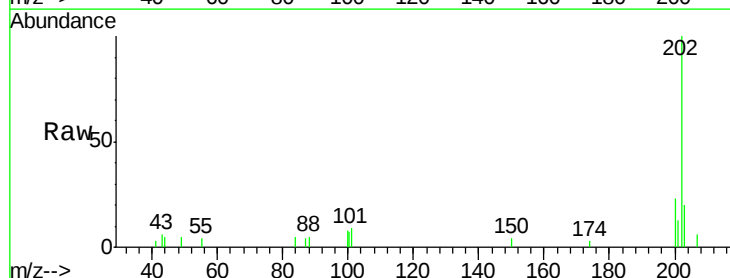
Tgt Ion:202 Resp: 7932

Ion Ratio Lower Upper

202 100

101 9.1 0.0 27.3

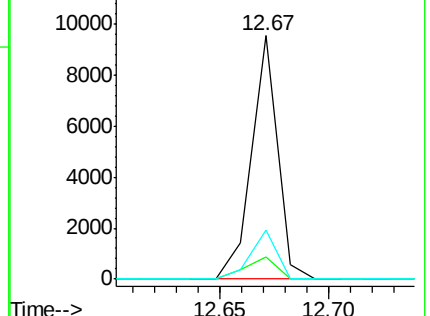
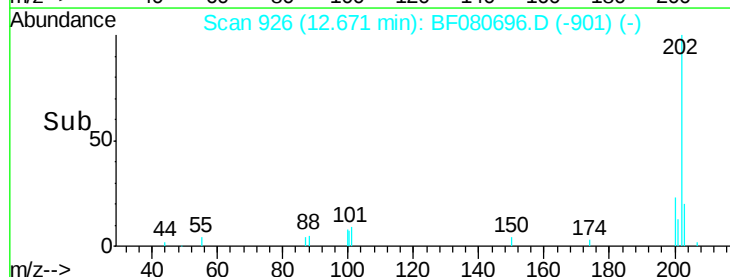
203 20.4 0.0 36.0

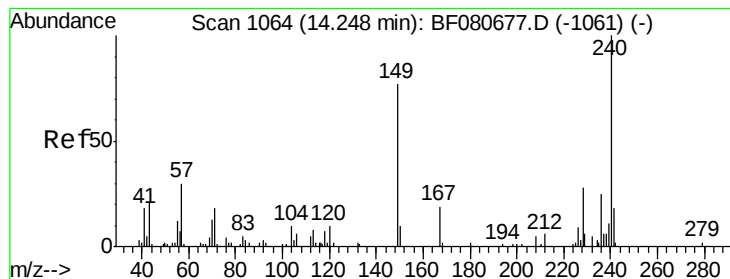


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.19 min Scan# 1059

Delta R.T. -0.06 min

Lab File: BF080696.D

Acq: 28 Jul 2015 3:57

Instrument :

BNA_F

ClientSampleId :

DUMBO-EP-7

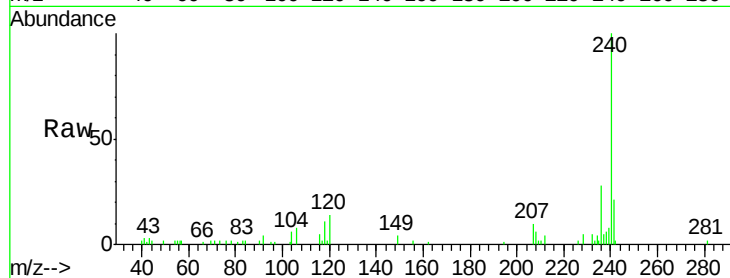
Tot Ion:240 Resp: 26211

Ion Ratio Lower Upper

240 100

120 13.7 8.0 12.0#

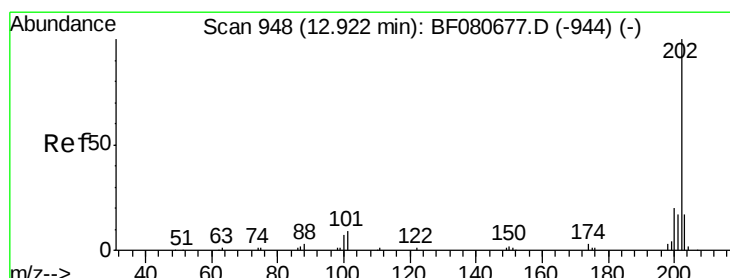
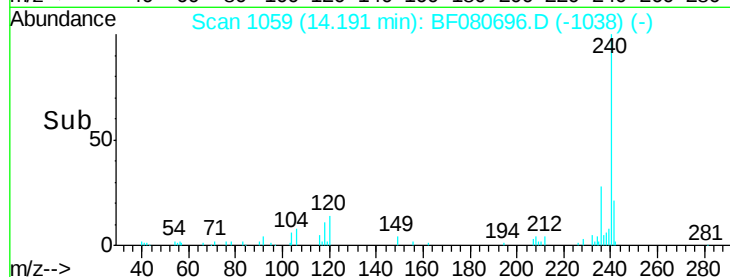
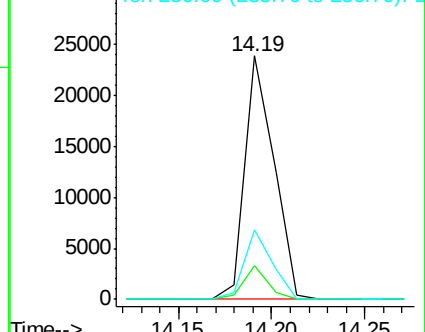
236 28.4 20.0 30.0



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: 3.35 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF080696.D

Acq: 28 Jul 2015 3:57

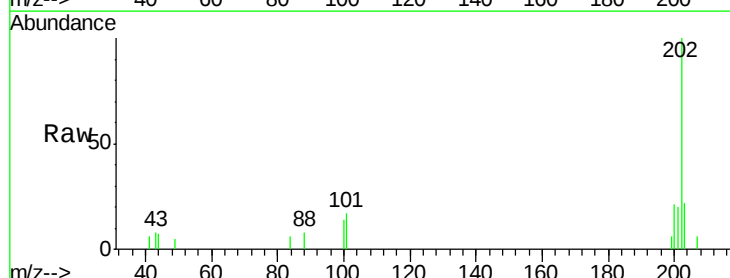
Tgt Ion:202 Resp: 7343

Ion Ratio Lower Upper

202 100

200 20.8 16.3 24.5

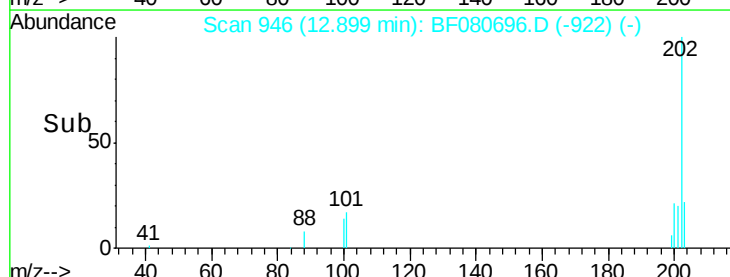
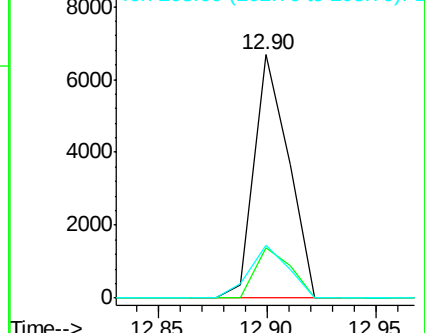
203 21.5 13.4 20.2#

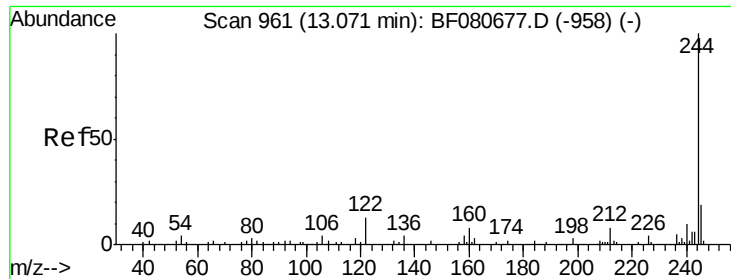


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

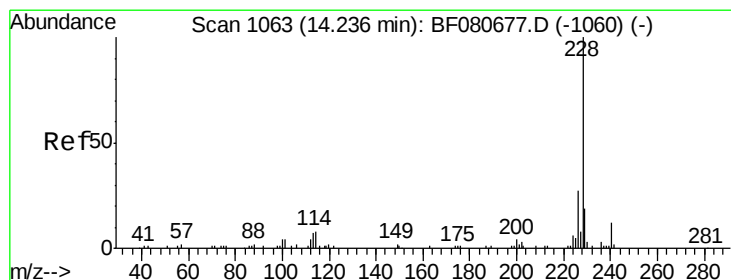
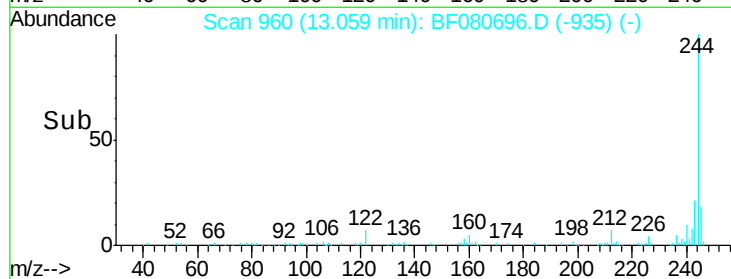
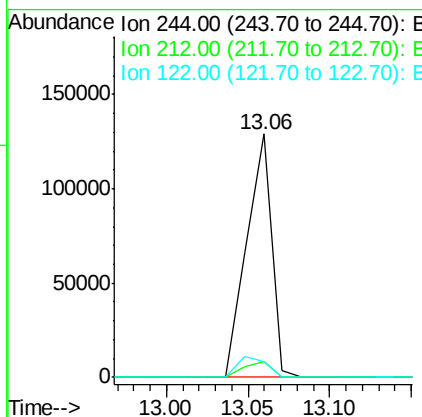
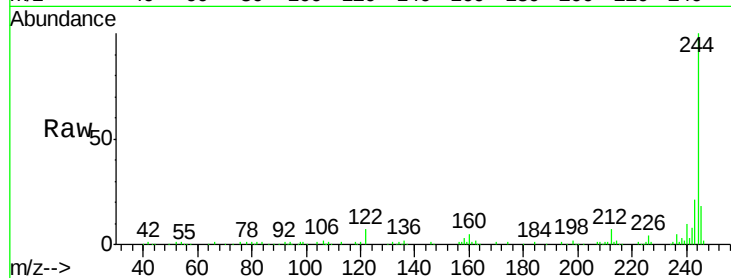




#78
 Terphenyl-d14
 Concen: 89.67 ng
 RT: 13.06 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF080696.D
 Acq: 28 Jul 2015 3:57

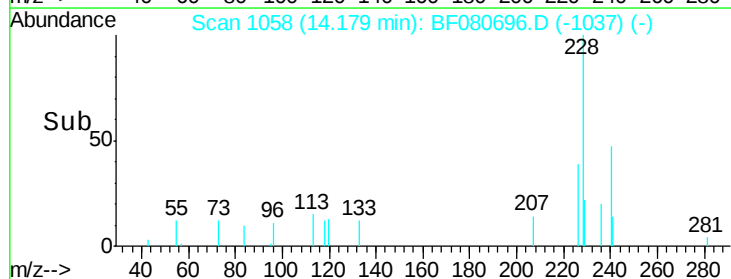
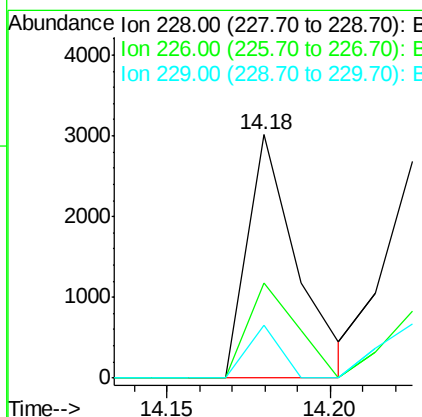
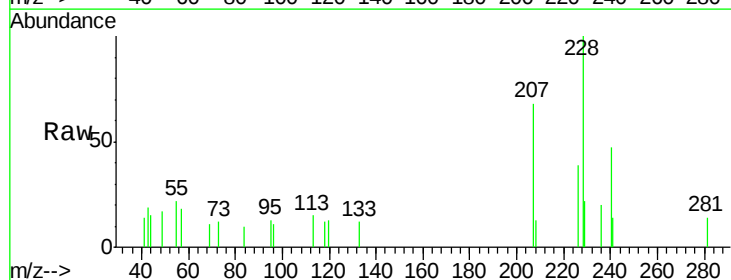
Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-7

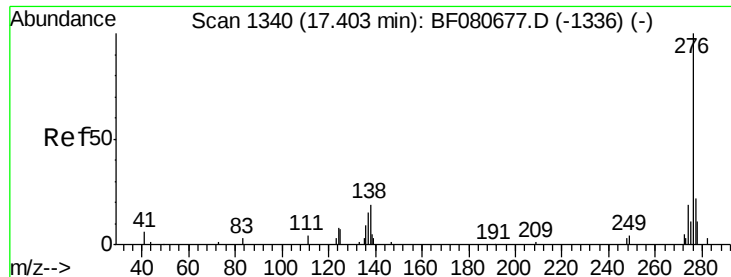
Tot Ion:244 Resp: 137202
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.1 9.1
 122 6.6 10.2 15.2#



#80
 Benzo(a)anthracene
 Concen: 2.10 ng
 RT: 14.18 min Scan# 1058
 Delta R.T. -0.06 min
 Lab File: BF080696.D
 Acq: 28 Jul 2015 3:57

Tgt Ion:228 Resp: 3183
 Ion Ratio Lower Upper
 228 100
 226 39.1 21.8 32.6#
 229 21.9 14.9 22.3

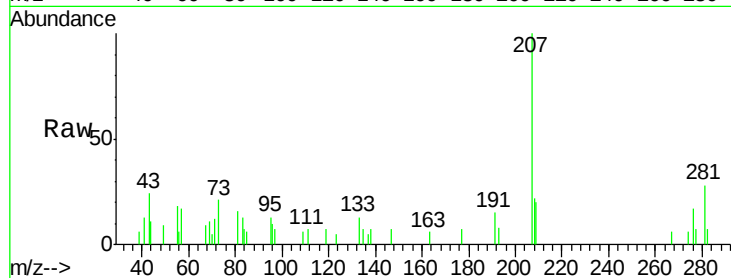




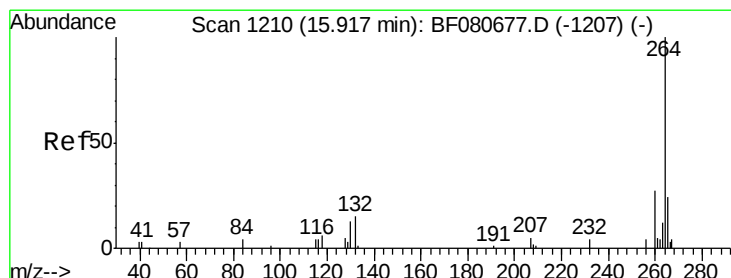
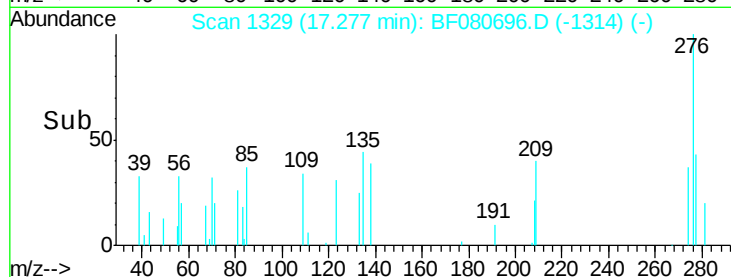
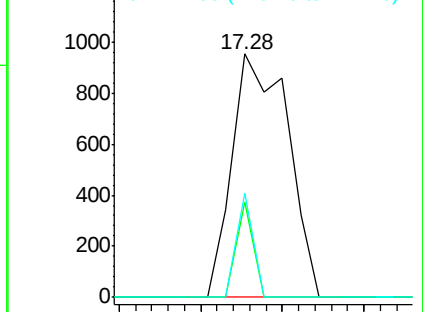
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.52 ng
 RT: 17.28 min Scan# 1329
 Delta R.T. -0.13 min
 Lab File: BF080696.D
 Acq: 28 Jul 2015 3:57

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-7

Tot Ion:276 Resp: 2251
 Ion Ratio Lower Upper
 276 100
 138 11.4 19.7 29.5#
 277 12.4 18.2 27.4#

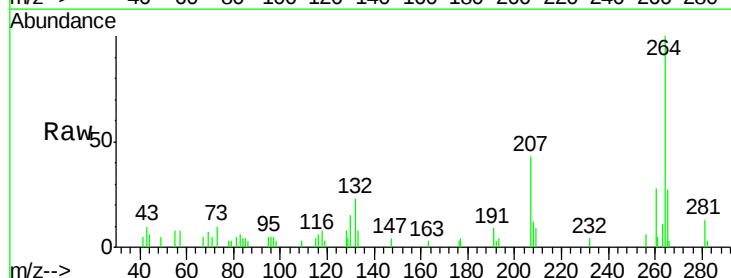


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

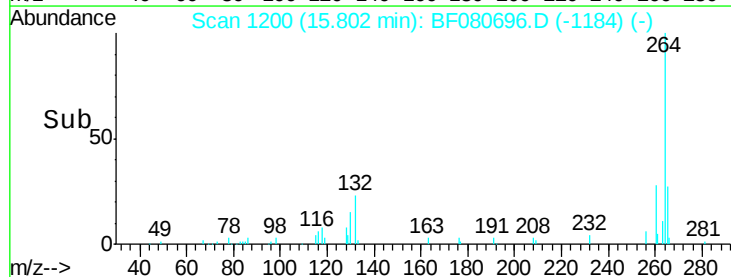
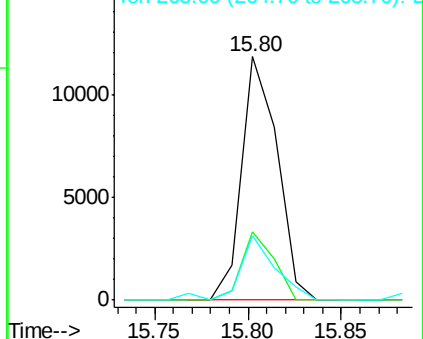


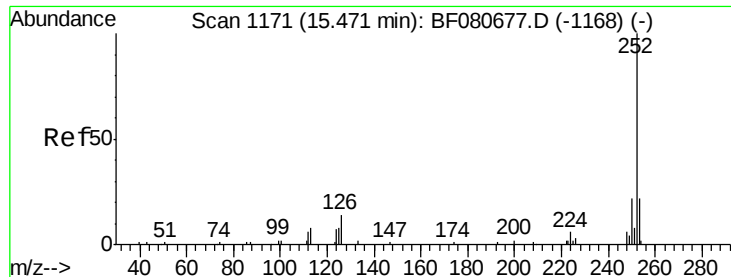
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.80 min Scan# 1200
 Delta R.T. -0.11 min
 Lab File: BF080696.D
 Acq: 28 Jul 2015 3:57

Tgt Ion:264 Resp: 15707
 Ion Ratio Lower Upper
 264 100
 260 28.3 21.6 32.4
 265 26.5 19.3 28.9



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

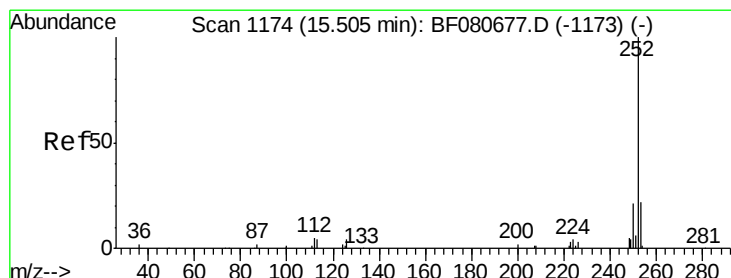
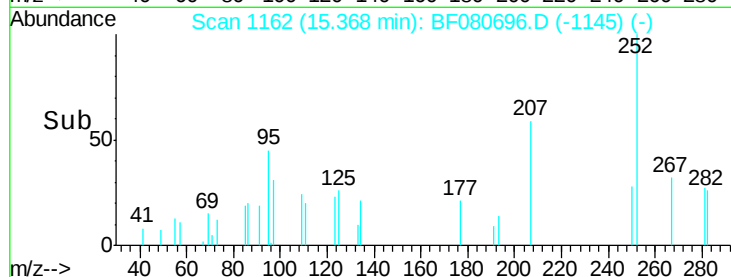
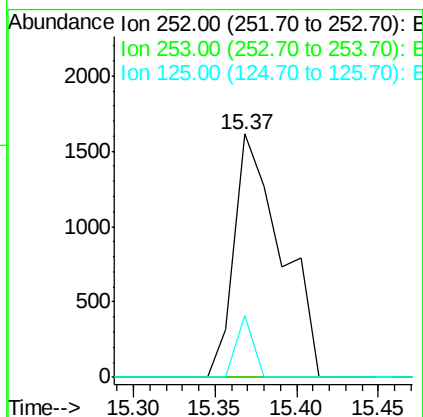
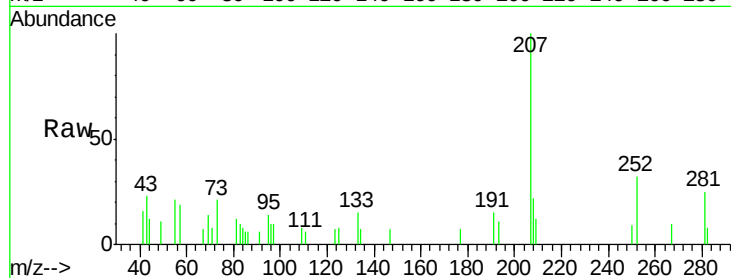




#87
Benzo(b)fluoranthene
Concen: 2.83 ng
RT: 15.37 min Scan# 1162
Delta R.T. -0.10 min
Lab File: BF080696.D
Acq: 28 Jul 2015 3:57

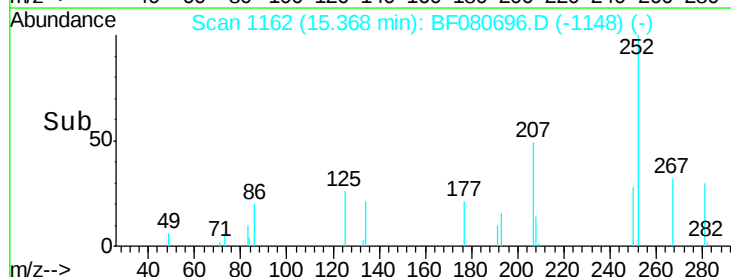
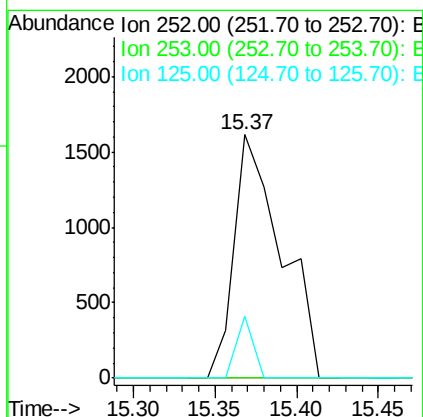
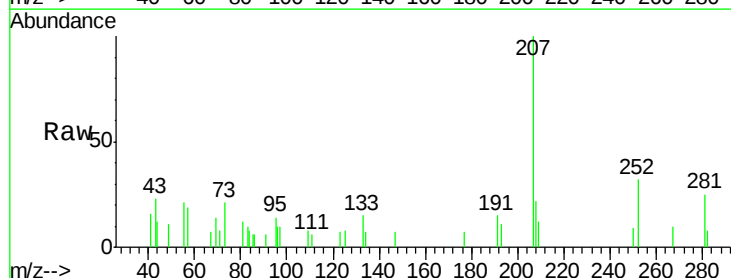
Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-7

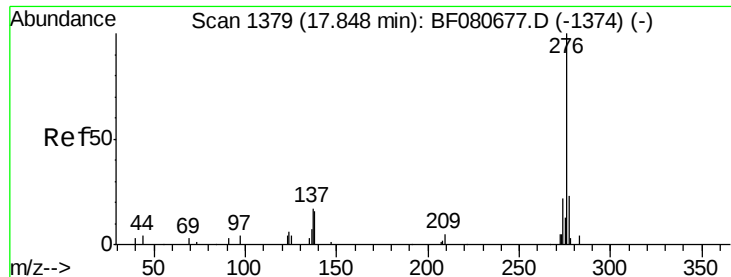
Tot Ion:252 Resp: 3237
Ion Ratio Lower Upper
252 100
253 0.0 17.8 26.8#
125 25.6 6.7 10.1#



#88
Benzo(k)fluoranthene
Concen: 3.09 ng
RT: 15.37 min Scan# 1162
Delta R.T. -0.14 min
Lab File: BF080696.D
Acq: 28 Jul 2015 3:57

Tgt Ion:252 Resp: 3237
Ion Ratio Lower Upper
252 100
253 0.0 17.8 26.6#
125 25.6 6.7 10.1#





#91
 Benzo(a,h,i)perylene
 Concen: 5.09 ng
 RT: 17.73 min Scan# 1369
 Delta R.T. -0.11 min
 Lab File: BF080696.D
 Acq: 28 Jul 2015 3:57

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-7

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.7	28.1
138	0.0	12.7	19.1

