

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
 Data File : BF083766.D
 Acq On : 14 Dec 2015 8:49
 Operator : UM/IZ
 Sample : G4648-13
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 10:00:49 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 14 01:30:12 2015
 Response via : Initial Calibration

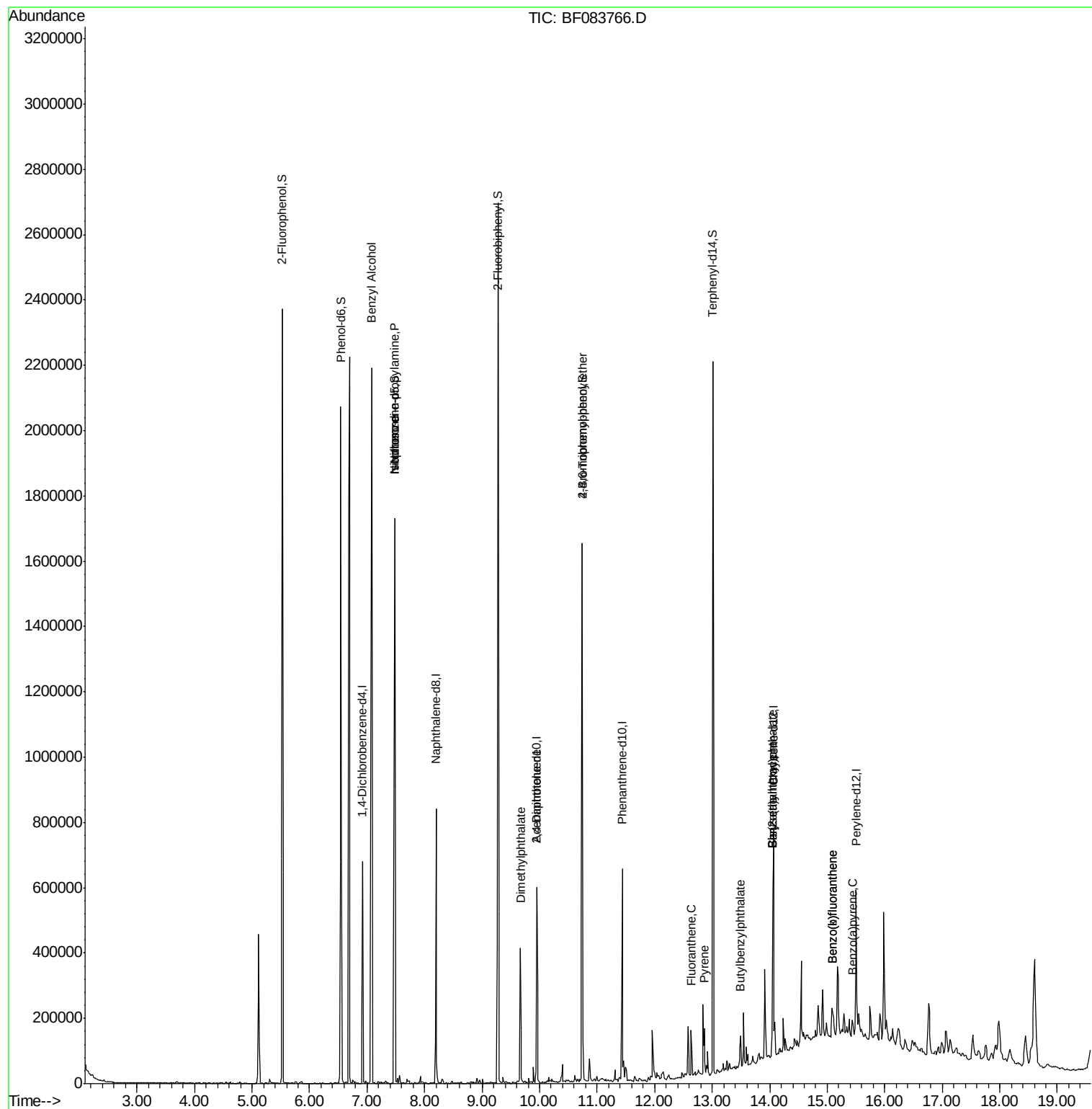
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	100434	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	350995	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	133786	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	248180	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	249973	20.00	ng	-0.01
86) Perylene-d12	15.51	264	201135	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	780426	125.36	ng	0.00
7) Phenol-d6	6.54	99	907041	115.05	ng	0.00
23) Nitrobenzene-d5	7.48	82	651722	103.88	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	187867	137.81	ng	-0.01
44) 2-Fluorobiphenyl	9.28	172	852776	98.04	ng	-0.01
78) Terphenyl-d14	13.01	244	742108	63.86	ng	-0.01
Target Compounds						Qvalue
15) Benzyl Alcohol	7.08	79	12250	2.11	ng	# 46
19) n-Nitroso-di-n-propylamine	7.48	70	87928	18.21	ng	# 69
25) Isophorone	7.48	82	633396	51.46	ng	# 69
49) Dimethylphthalate	9.66	163	189600	18.18	ng	99
56) 2,4-Dinitrotoluene	9.95	165	17550	6.07	ng	# 11
66) 4-Bromophenyl-phenylether	10.74	248	13379	4.82	ng	# 1
74) Fluoranthene	12.64	202	63453	4.66	ng	92
77) Pyrene	12.86	202	55504	2.81	ng	99
79) Butylbenzylphthalate	13.49	149	26900	3.17	ng	# 83
80) Benzo(a)anthracene	14.05	228	34879	2.45	ng	# 90
82) Chrysene	14.05	228	34879	2.52	ng	94
83) Bis(2-ethylhexyl)phthalate	14.05	149	28059	2.91	ng	# 99
87) Benzo(b)fluoranthene	15.08	252	62011	4.83	ng	# 91
88) Benzo(k)fluoranthene	15.08	252	62011	5.33	ng	# 95
89) Benzo(a)pyrene	15.44	252	27276	2.38	ng	# 89

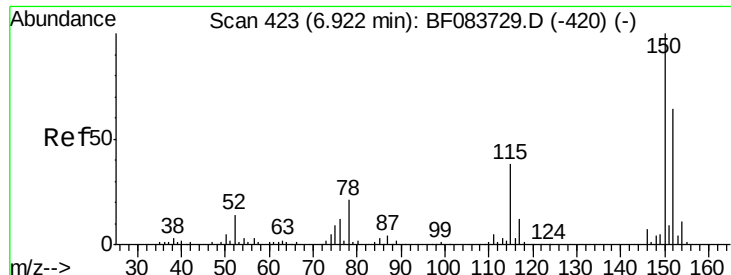
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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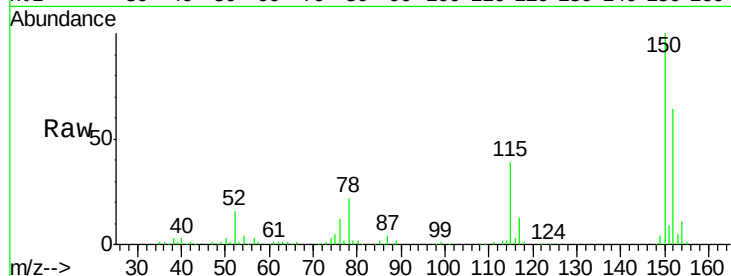


#1

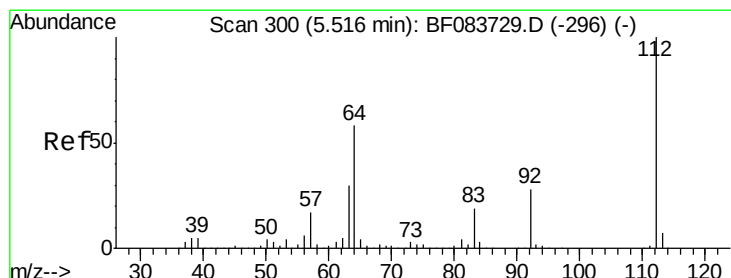
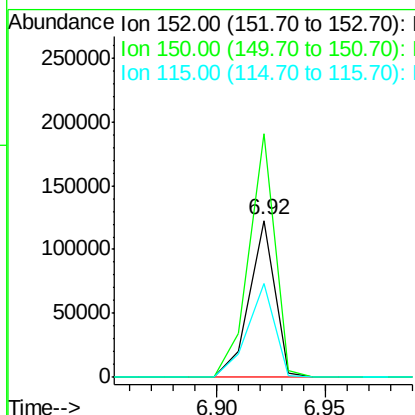
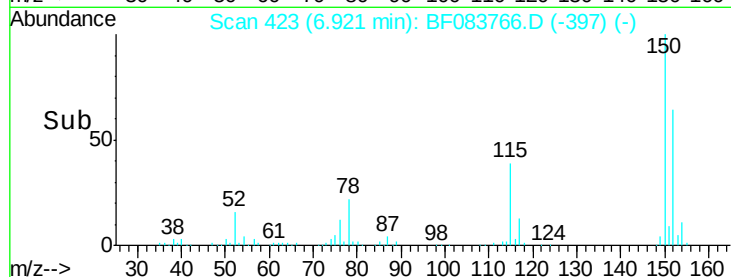
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 423
Delta R.T. 0.00 min
Lab File: BF083766.D
Acq: 14 Dec 2015 8:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 100434
Ion Ratio Lower Upper
152 100
150 155.3 126.5 189.7
115 60.1 52.3 78.5



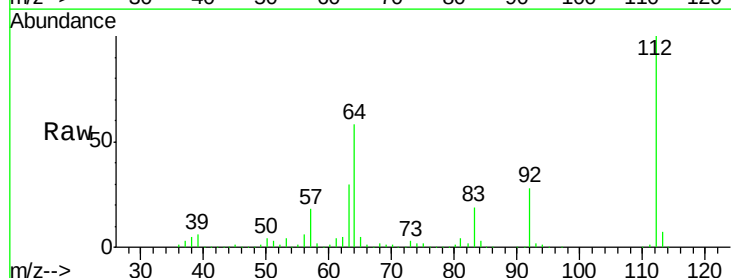
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



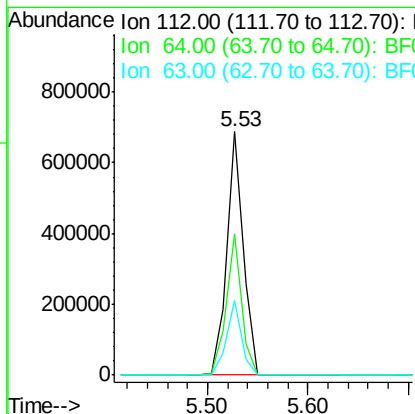
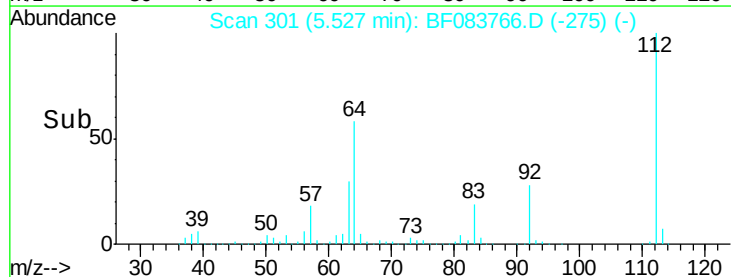
#5

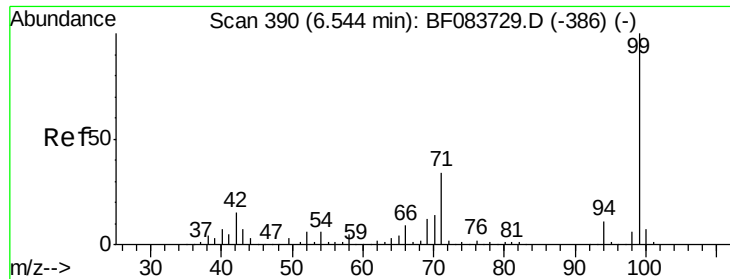
2-Fluorophenol
Concen: 125.36 ng
RT: 5.53 min Scan# 301
Delta R.T. 0.00 min
Lab File: BF083766.D
Acq: 14 Dec 2015 8:49

Tgt Ion:112 Resp: 780426
Ion Ratio Lower Upper
112 100
64 57.8 50.5 75.7
63 30.4 25.8 38.6



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: 115.05 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF083766.D

Acq: 14 Dec 2015 8:49

Instrument :

BNA_F

ClientSampled :

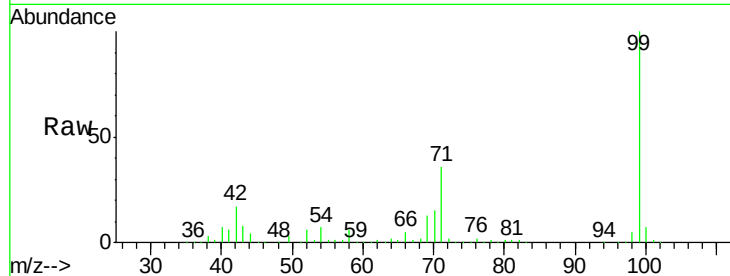
Tot Ion: 99 Resp: 907041

Ion Ratio Lower Upper

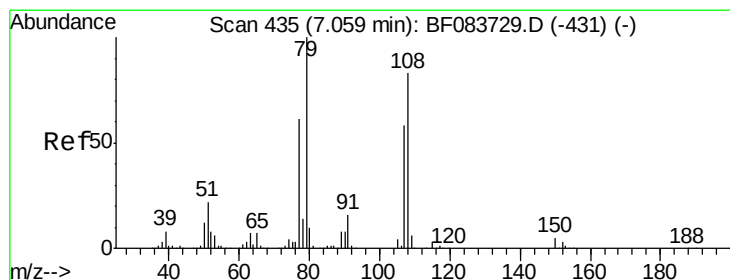
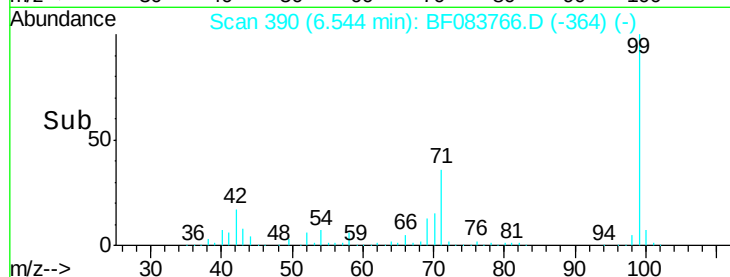
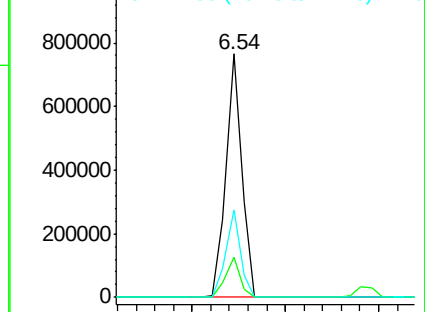
99 100

42 16.6 17.3 25.9#

71 36.1 26.6 40.0



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: 2.11 ng

RT: 7.08 min Scan# 437

Delta R.T. 0.02 min

Lab File: BF083766.D

Acq: 14 Dec 2015 8:49

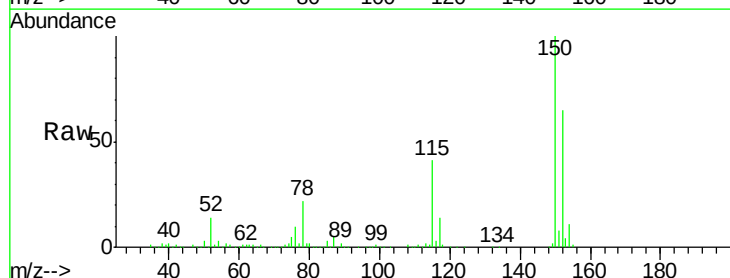
Tgt Ion: 79 Resp: 12250

Ion Ratio Lower Upper

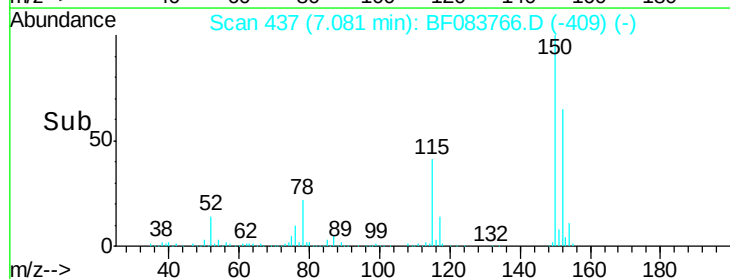
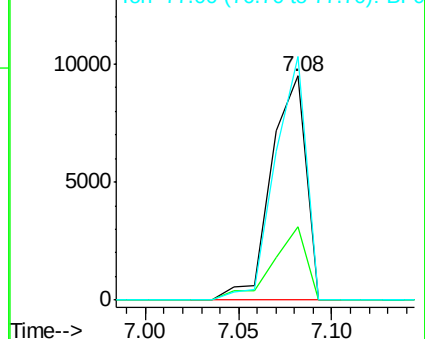
79 100

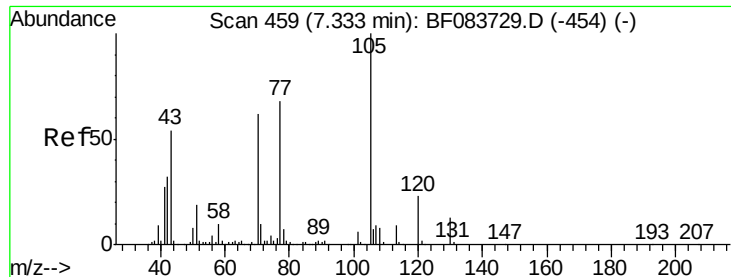
108 32.9 59.6 89.4#

77 108.5 49.8 74.6#



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

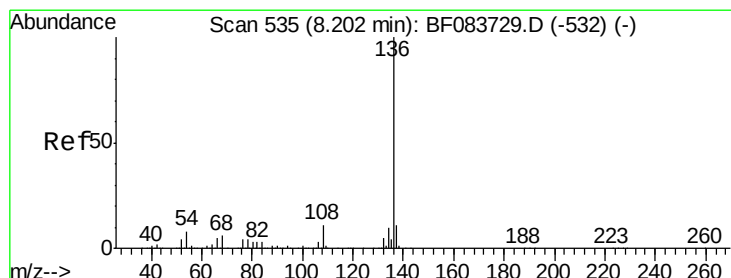
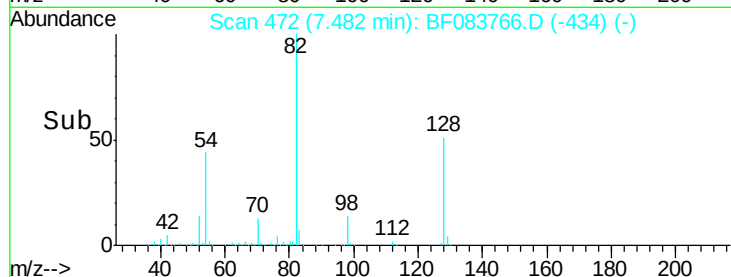
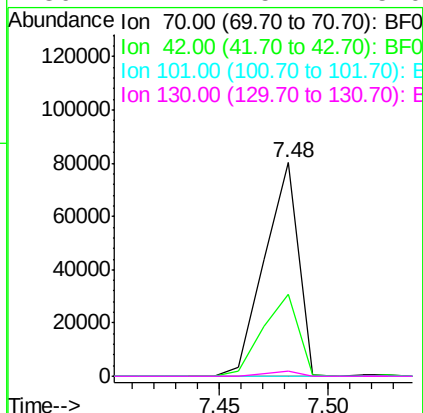
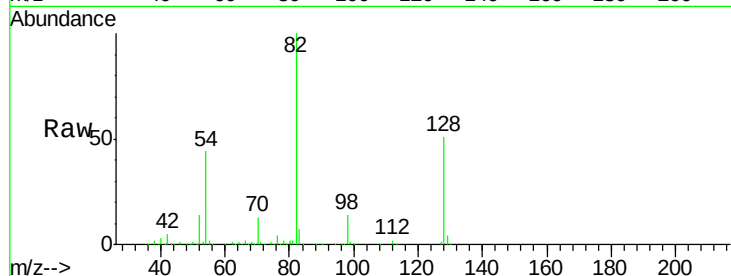




#19
n-Nitroso-di-n-propylamine
Concen: 18.21 ng
RT: 7.48 min Scan# 472
Delta R.T. 0.14 min
Lab File: BF083766.D
Acq: 14 Dec 2015 8:49

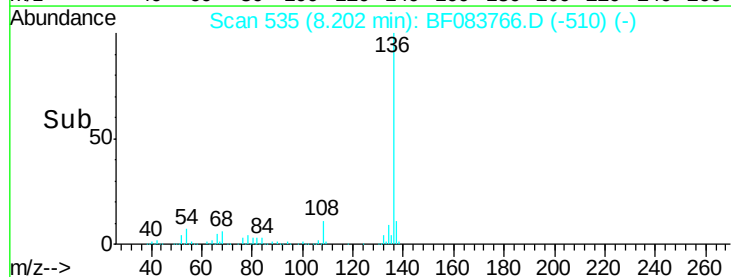
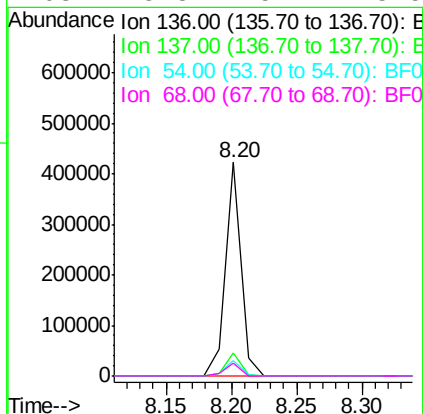
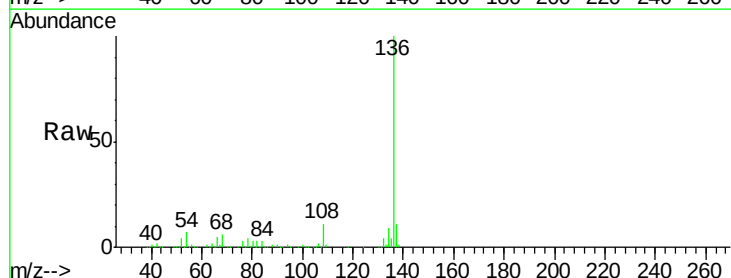
Instrument :
BNA_F
ClientSampleId :

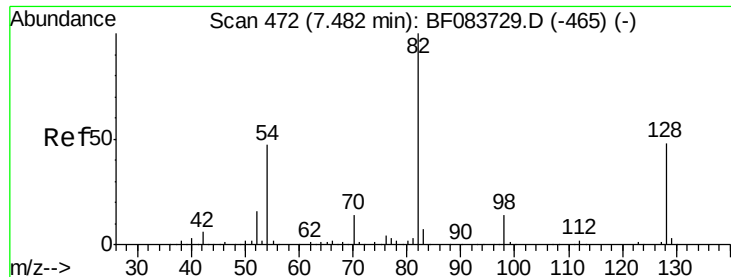
Tot Ion: 70 Resp: 87928
Ion Ratio Lower Upper
70 100
42 38.2 49.2 73.8#
101 0.0 7.1 10.7#
130 2.4 15.4 23.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF083766.D
Acq: 14 Dec 2015 8:49

Tgt Ion: 136 Resp: 350995
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.1 7.8 11.6#
68 5.8 5.7 8.5

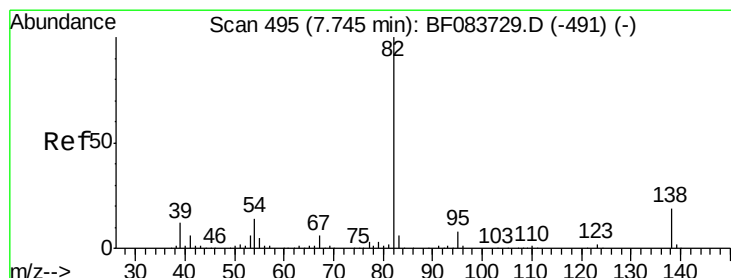
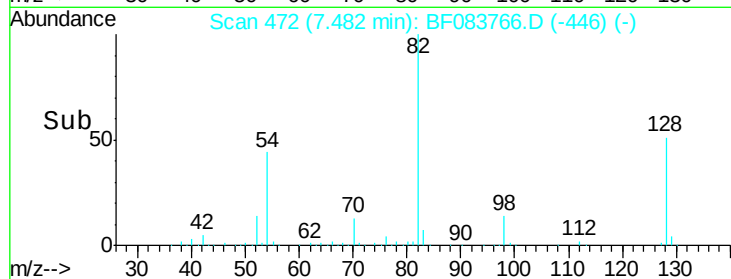
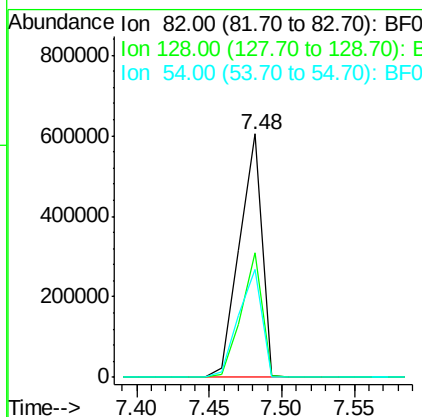
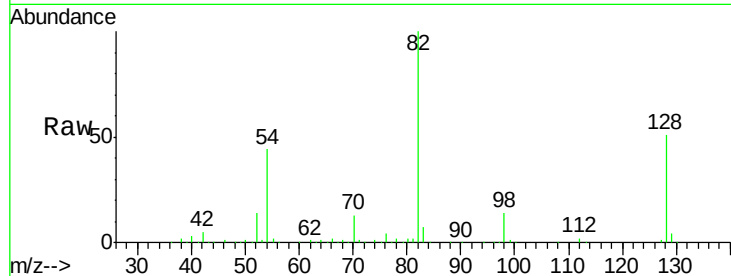




#23
 Nitrobenzene-d5
 Concen: 103.88 ng
 RT: 7.48 min Scan# 472
 Delta R.T. 0.00 min
 Lab File: BF083766.D
 Acq: 14 Dec 2015 8:49

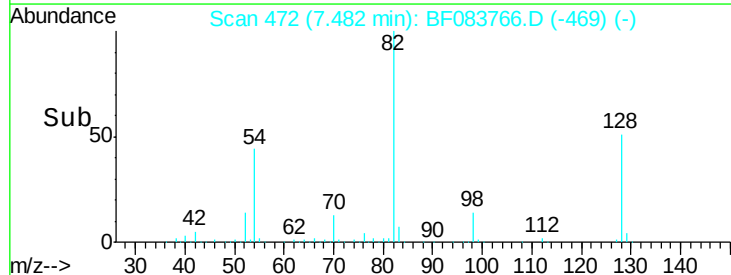
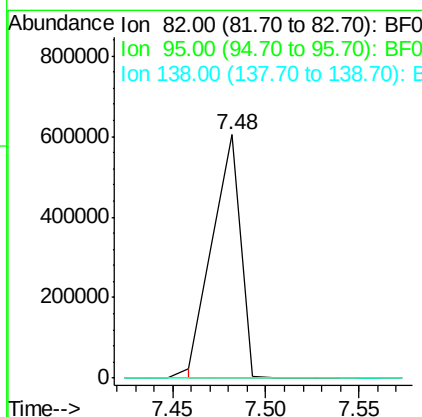
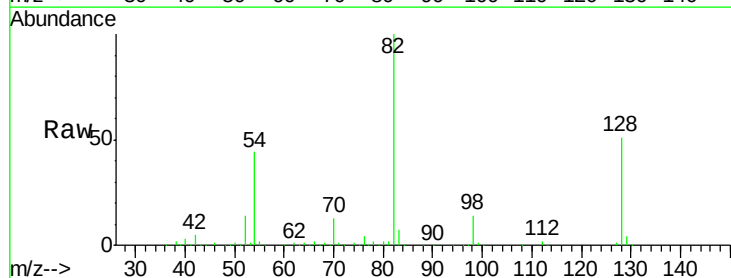
Instrument :
 BNA_F
 ClientSampleId :

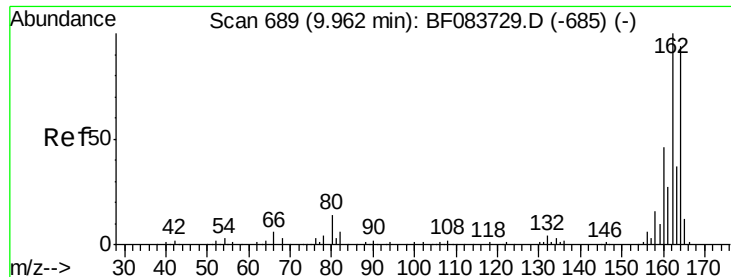
Tot Ion	82	Resp	651722
Ion Ratio	100	Lower	Upper
128	50.9	30.7	46.1#
54	44.1	42.5	63.7



#25
 Isophorone
 Concen: 51.46 ng
 RT: 7.48 min Scan# 472
 Delta R.T. -0.26 min
 Lab File: BF083766.D
 Acq: 14 Dec 2015 8:49

Tgt Ion	82	Resp	633396
Ion Ratio	100	Lower	Upper
95	0.0	5.0	7.4#
138	0.0	12.1	18.1#

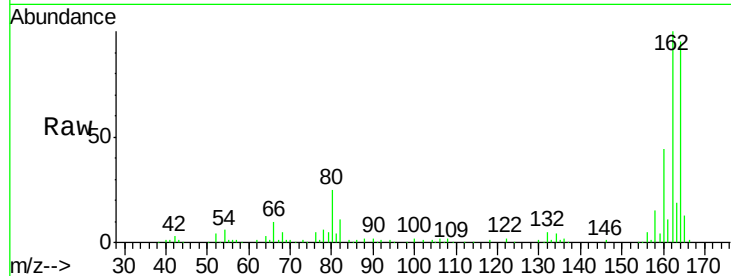




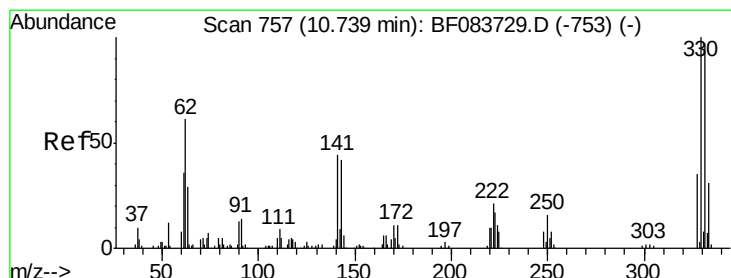
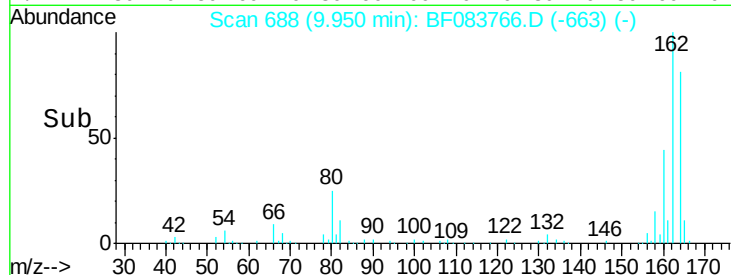
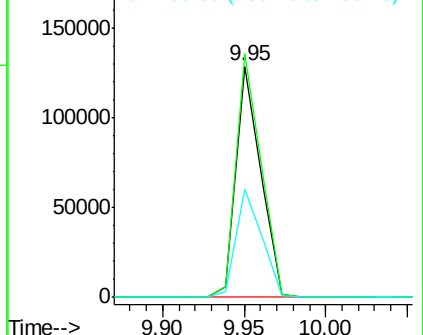
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF083766.D
Acq: 14 Dec 2015 8:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 133786
Ion Ratio Lower Upper
164 100
162 105.5 78.8 118.2
160 46.6 33.4 50.2

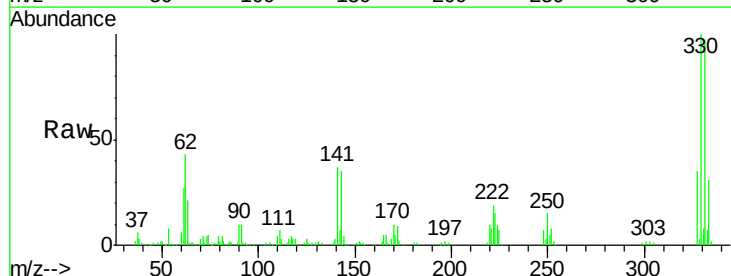


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

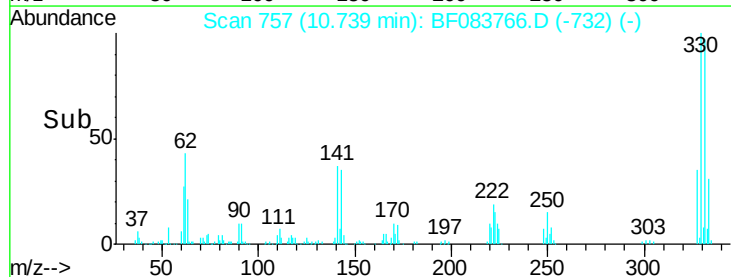
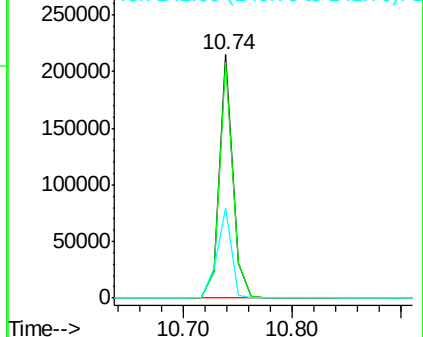


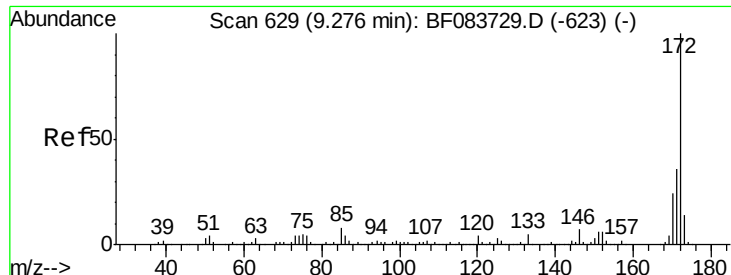
#41
2,4,6-Tribromophenol
Concen: 137.81 ng
RT: 10.74 min Scan# 757
Delta R.T. -0.01 min
Lab File: BF083766.D
Acq: 14 Dec 2015 8:49

Tgt Ion:330 Resp: 187867
Ion Ratio Lower Upper
330 100
332 97.2 0.0 0.0#
141 40.0 0.0 0.0#



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

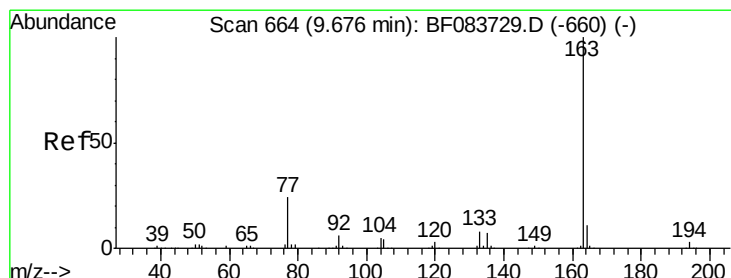
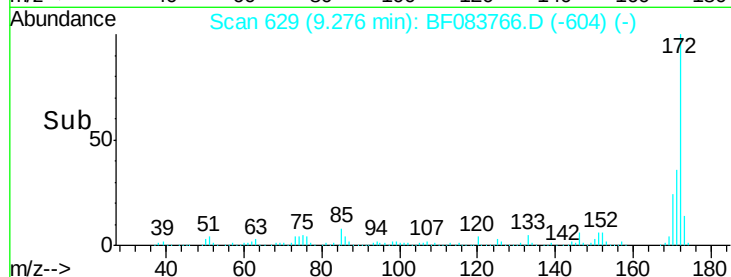
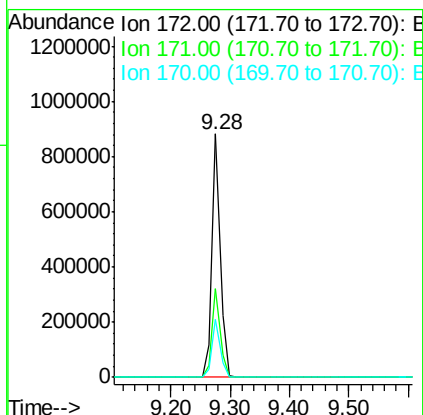
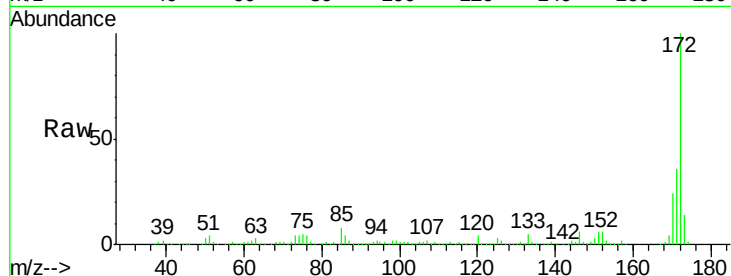




#44
 2-Fluorobiphenyl
 Concen: 98.04 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF083766.D
 Acq: 14 Dec 2015 8:49

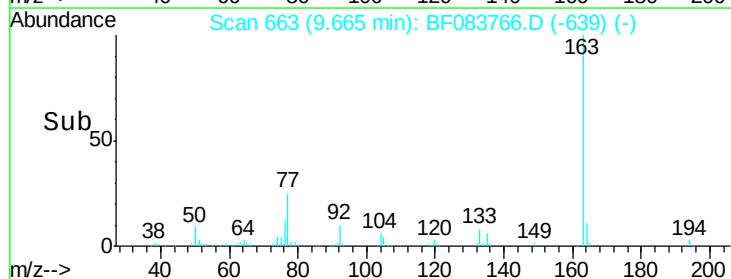
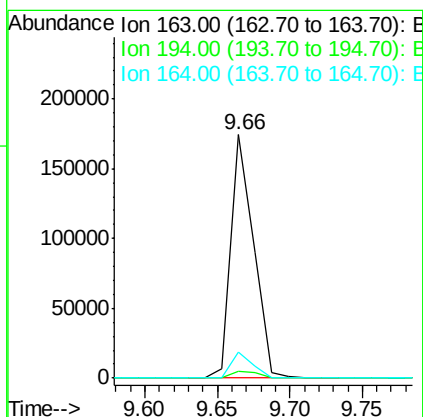
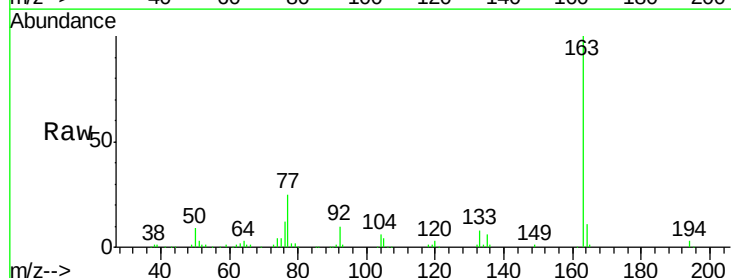
Instrument :
 BNA_F
 ClientSampled :

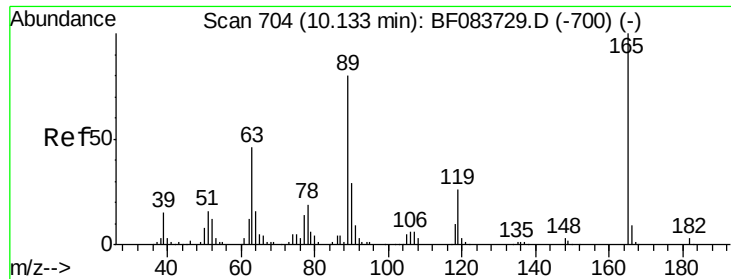
Tot Ion:172 Resp: 852776
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.6 42.8
 170 24.1 19.4 29.0



#49
 Dimethylphthalate
 Concen: 18.18 ng
 RT: 9.66 min Scan# 663
 Delta R.T. -0.02 min
 Lab File: BF083766.D
 Acq: 14 Dec 2015 8:49

Tgt Ion:163 Resp: 189600
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.8 4.2
 164 10.7 8.6 13.0





#56

2,4-Dinitrotoluene

Concen: 6.07 ng

RT: 9.95 min Scan# 688

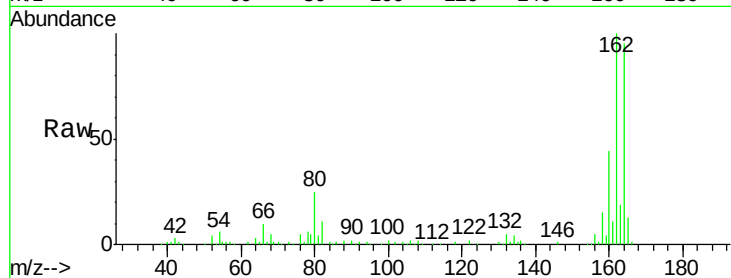
Delta R.T. -0.19 min

Lab File: BF083766.D

Acq: 14 Dec 2015 8:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	17550
Ion Ratio	Lower	Upper
165	100	
63	0.0	51.4 77.2#
89	0.0	72.6 108.8#
182	0.0	1.4 2.0#

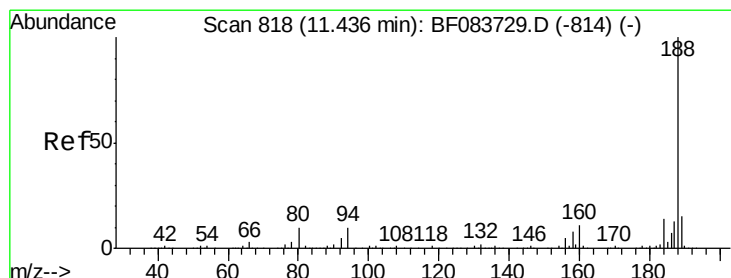
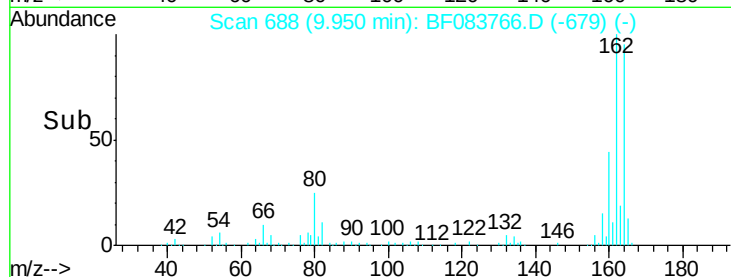
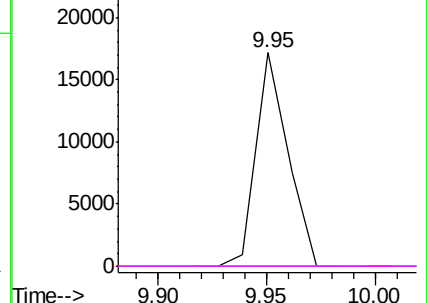


Abundance Ion 165.00 (164.70 to 165.70): E

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

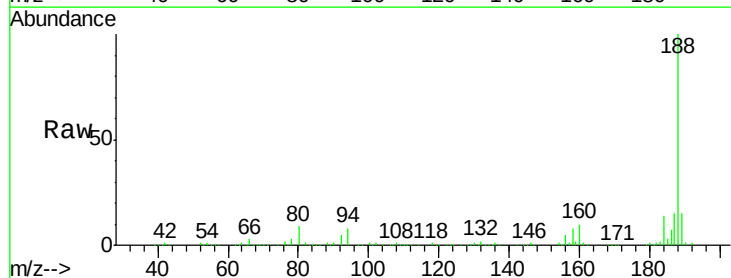
RT: 11.44 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF083766.D

Acq: 14 Dec 2015 8:49

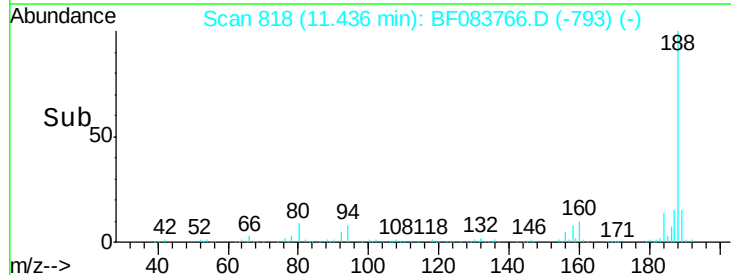
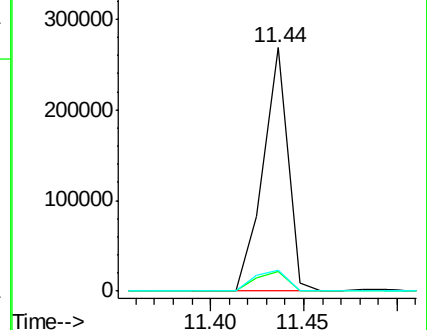
Tgt Ion:188	Resp:	248180
Ion Ratio	Lower	Upper
188	100	
94	8.3	9.4 14.2#
80	8.7	10.6 16.0#

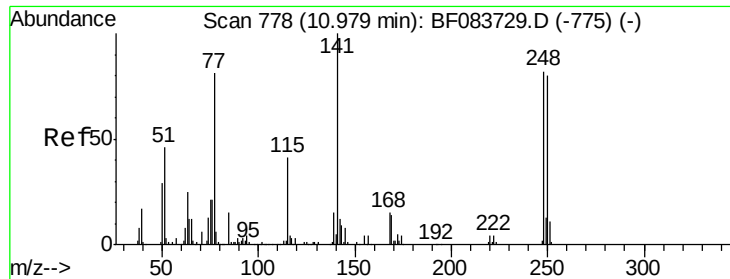


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

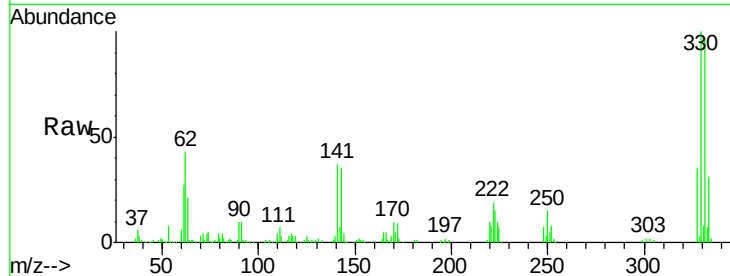




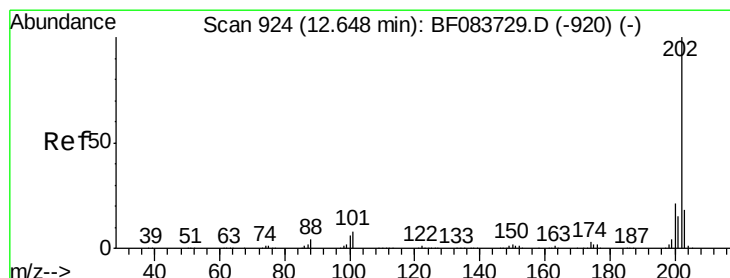
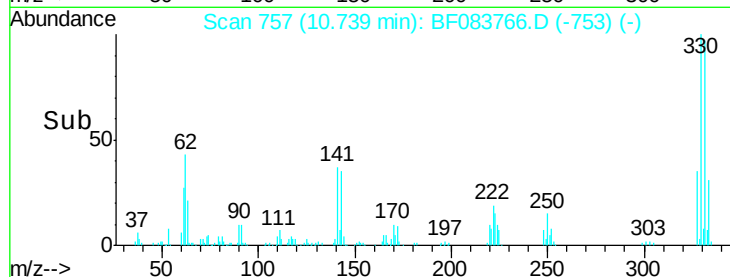
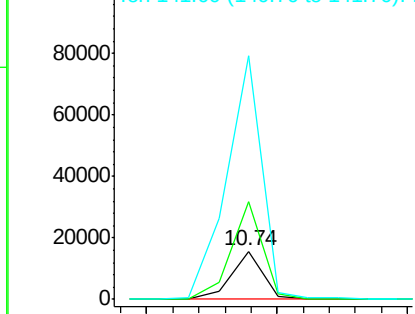
#66
4-Bromophenyl-phenylether
Concen: 4.82 ng
RT: 10.74 min Scan# 757
Delta R.T. -0.25 min
Lab File: BF083766.D
Acq: 14 Dec 2015 8:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13379
Ion Ratio Lower Upper
248 100
250 204.3 79.2 118.8#
141 505.9 58.2 87.4#

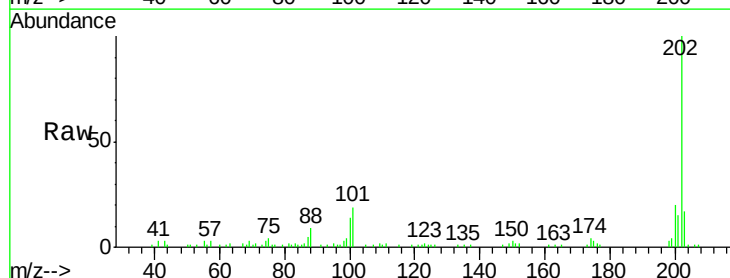


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

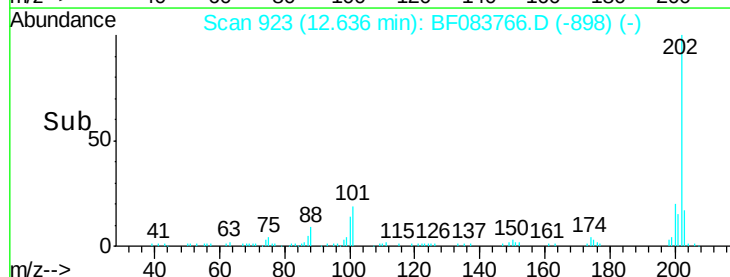
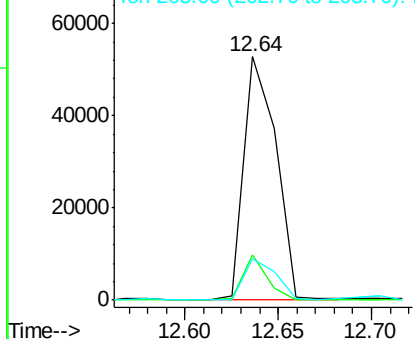


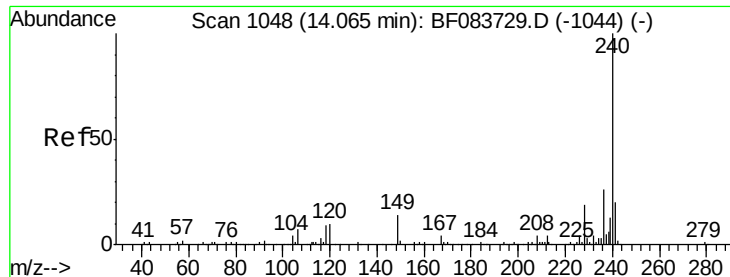
#74
Fluoranthene
Concen: 4.66 ng
RT: 12.64 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF083766.D
Acq: 14 Dec 2015 8:49

Tgt Ion:202 Resp: 63453
Ion Ratio Lower Upper
202 100
101 18.6 0.0 31.5
203 17.1 0.0 37.6



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: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF083766.D

Acq: 14 Dec 2015 8:49

Instrument :

BNA_F

ClientSampleId :

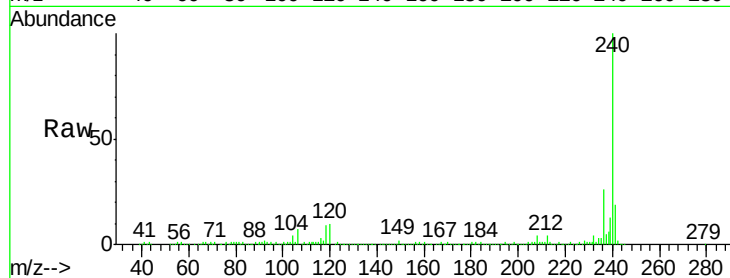
Tot Ion:240 Resp: 249973

Ion Ratio Lower Upper

240 100

120 9.8 8.1 12.1

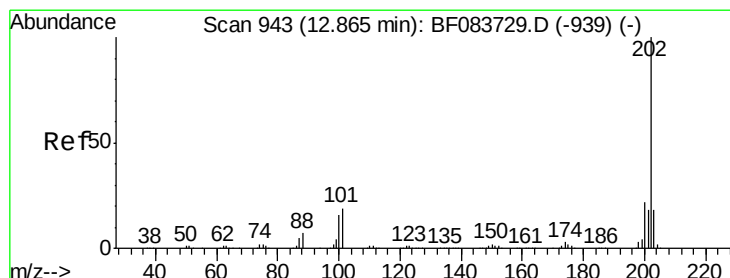
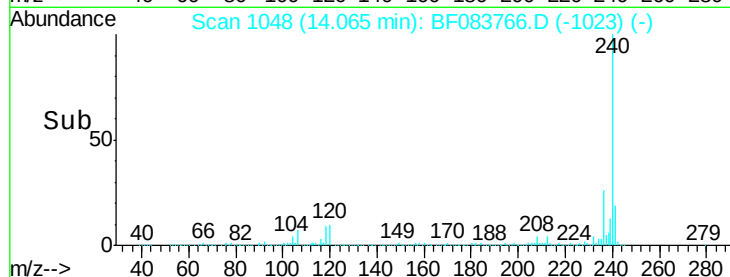
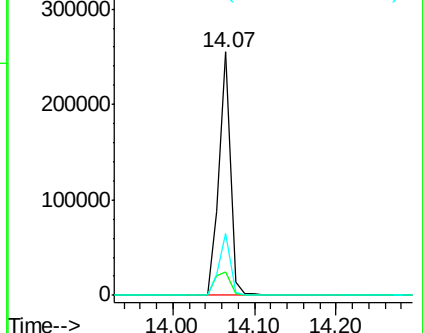
236 25.5 20.8 31.2



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: 2.81 ng

RT: 12.86 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF083766.D

Acq: 14 Dec 2015 8:49

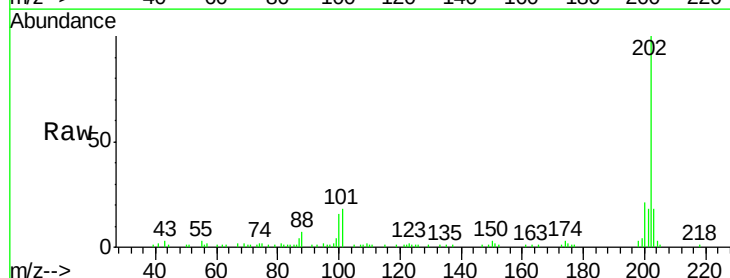
Tgt Ion:202 Resp: 55504

Ion Ratio Lower Upper

202 100

200 21.4 16.7 25.1

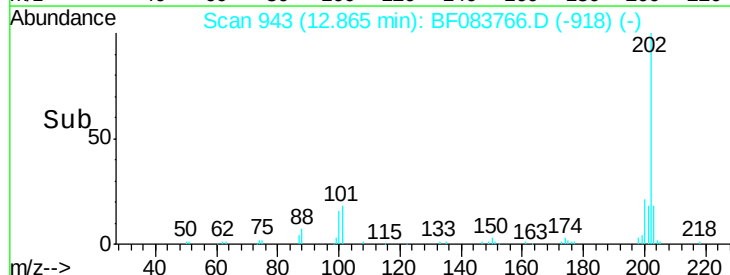
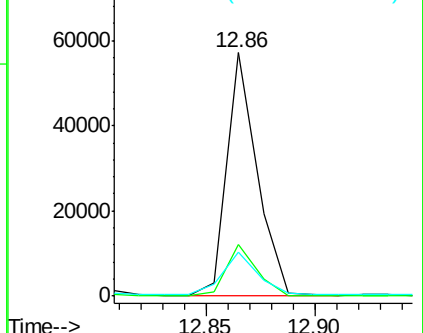
203 18.3 14.3 21.5

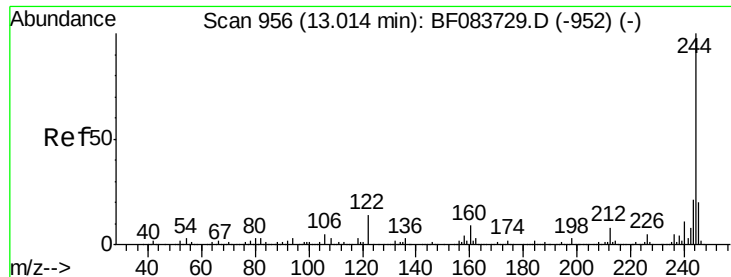


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

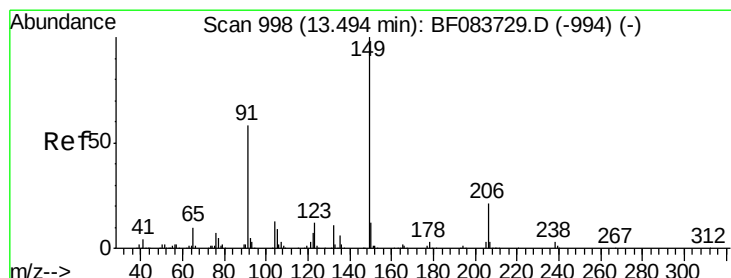
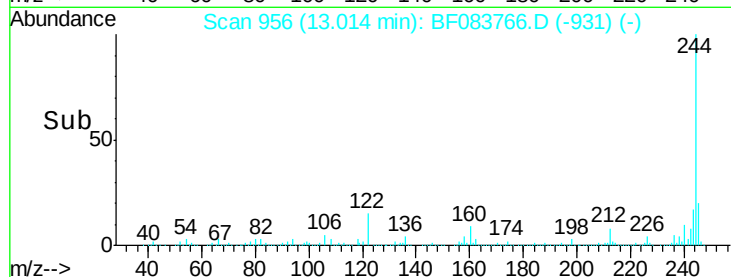
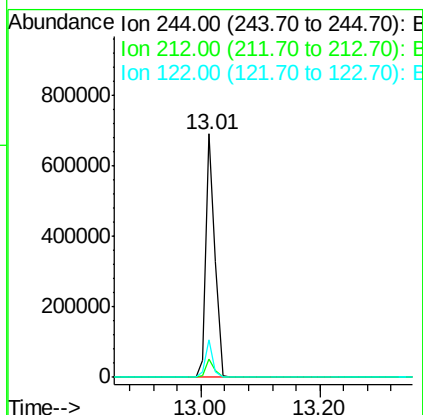
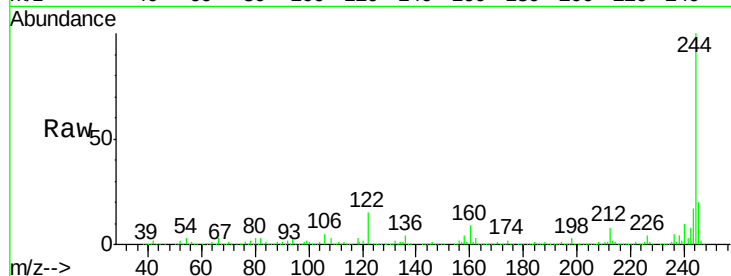




#78
 Terphenyl-d14
 Concen: 63.86 ng
 RT: 13.01 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: BF083766.D
 Acq: 14 Dec 2015 8:49

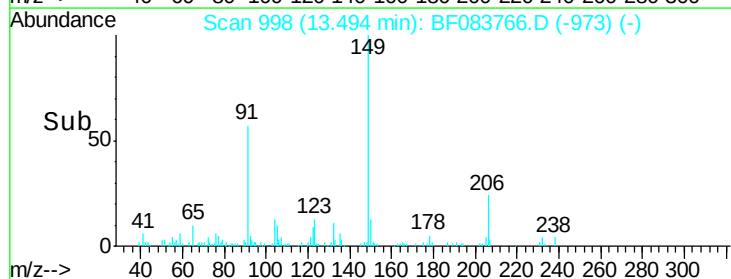
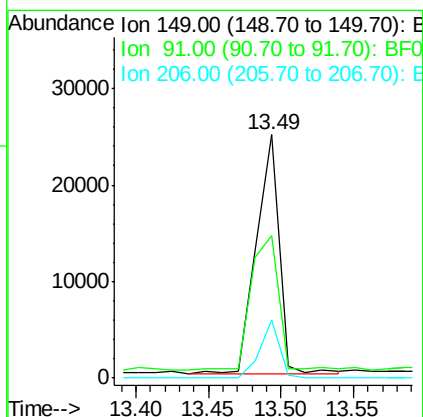
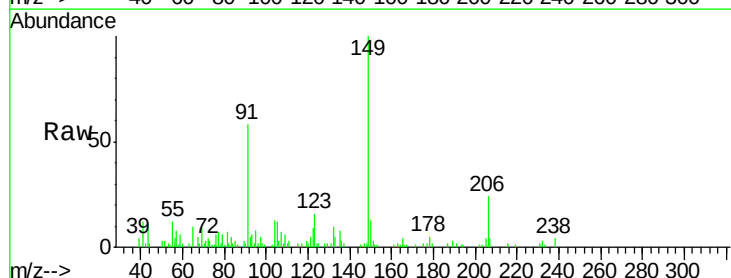
Instrument :
 BNA_F
 ClientSampleId :

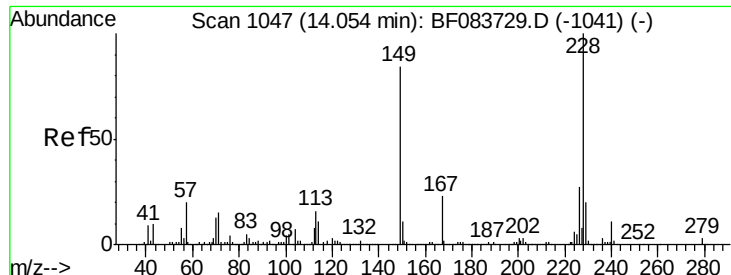
Tot Ion:244 Resp: 742108
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 15.4 11.0 16.6



#79
 Butylbenzylphthalate
 Concen: 3.17 ng
 RT: 13.49 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: BF083766.D
 Acq: 14 Dec 2015 8:49

Tgt Ion:149 Resp: 26900
 Ion Ratio Lower Upper
 149 100
 91 58.3 60.0 90.0#
 206 23.7 16.2 24.4





#80

Benzo(a)anthracene

Concen: 2.45 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF083766.D

Acq: 14 Dec 2015 8:49

Instrument :

BNA_F

ClientSampled :

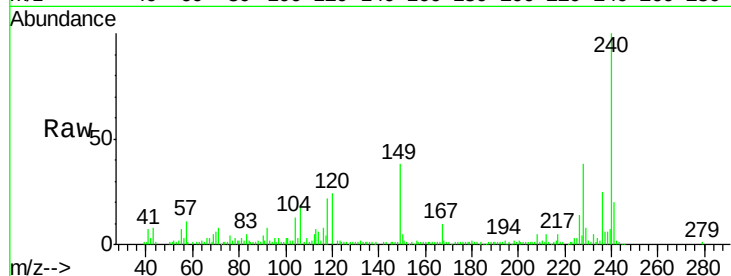
Tot Ion:228 Resp: 34879

Ion Ratio Lower Upper

228 100

226 35.4 22.3 33.5#

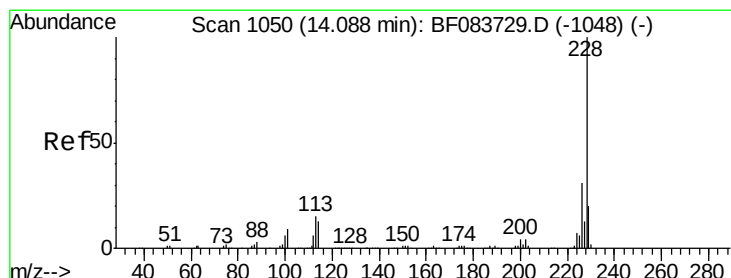
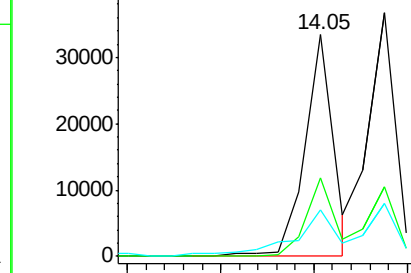
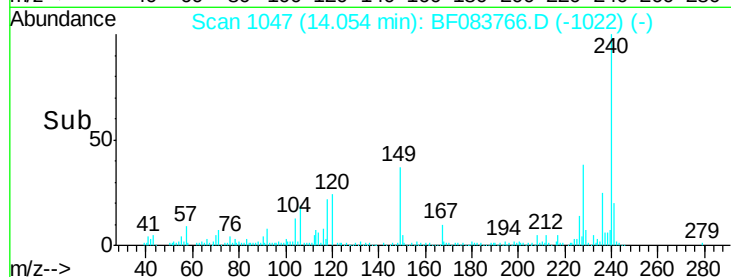
229 21.1 15.7 23.5



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: 2.52 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.05 min

Lab File: BF083766.D

Acq: 14 Dec 2015 8:49

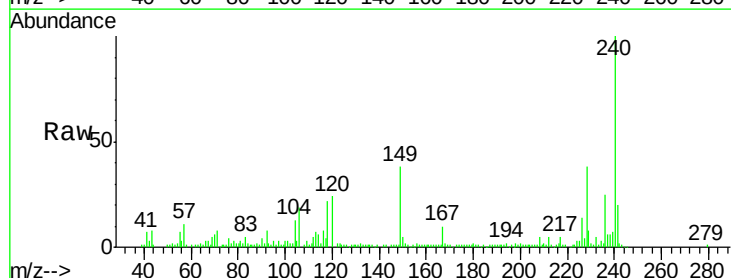
Tgt Ion:228 Resp: 34879

Ion Ratio Lower Upper

228 100

226 35.4 24.7 37.1

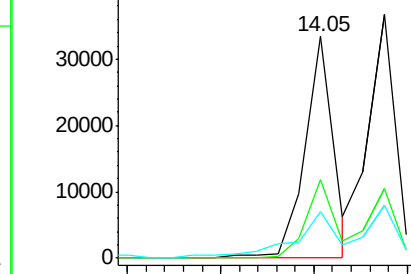
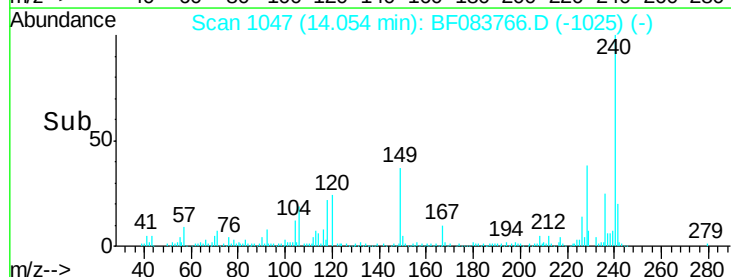
229 21.1 16.3 24.5

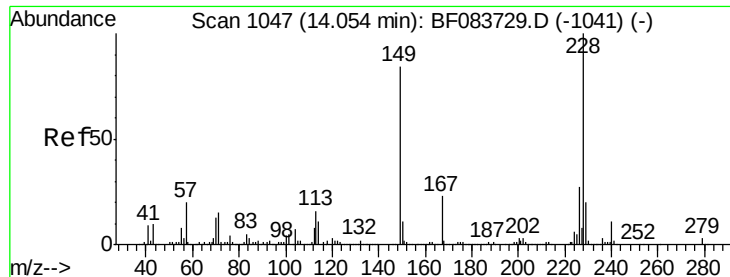


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

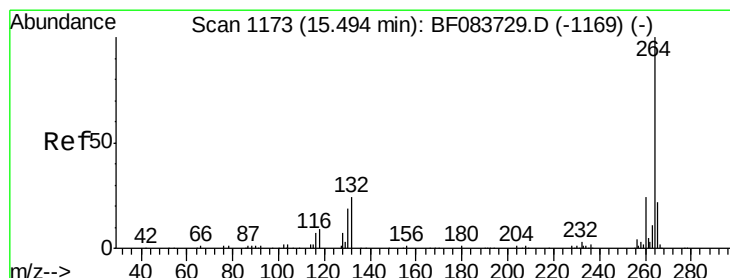
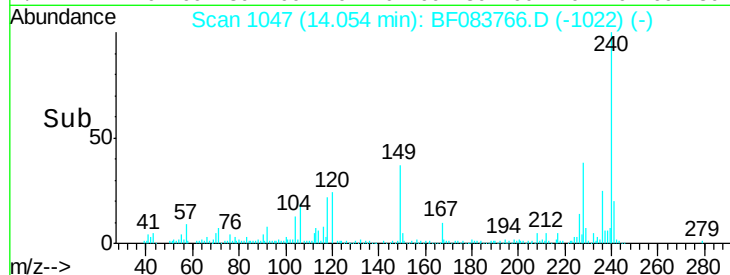
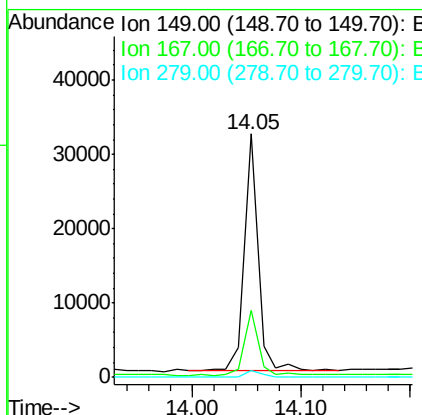
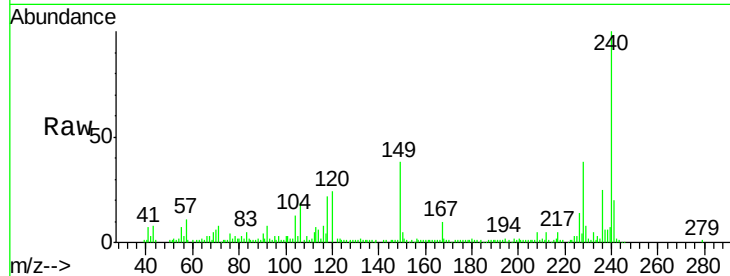




#83
Bis(2-ethylhexyl)phthalate
Concen: 2.91 ng
RT: 14.05 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF083766.D
Acq: 14 Dec 2015 8:49

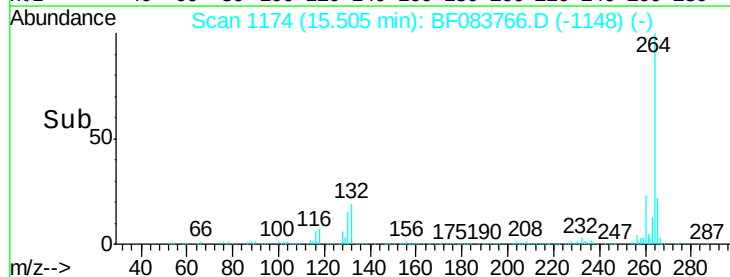
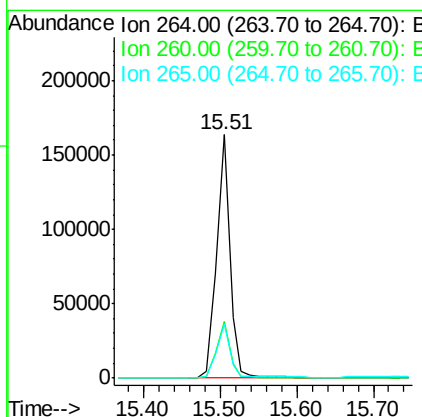
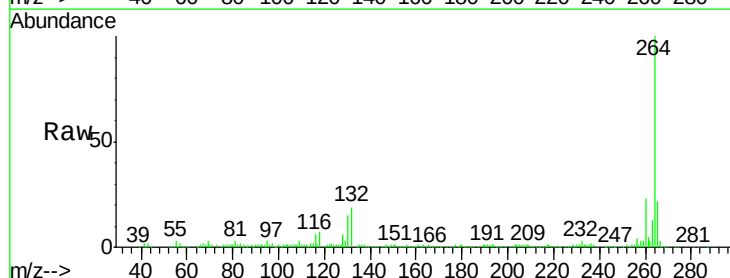
Instrument :
BNA_F
ClientSampleId :

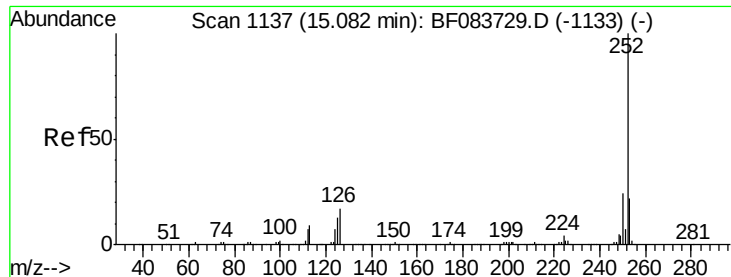
Tot Ion:149 Resp: 28059
Ion Ratio Lower Upper
149 100
167 27.5 21.8 32.8
279 2.9 3.0 4.4#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF083766.D
Acq: 14 Dec 2015 8:49

Tgt Ion:264 Resp: 201135
Ion Ratio Lower Upper
264 100
260 23.3 19.4 29.0
265 22.1 17.8 26.6

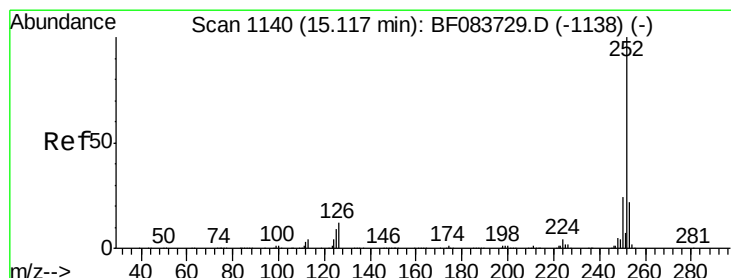
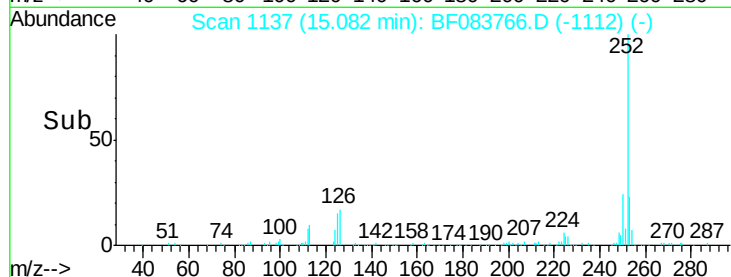
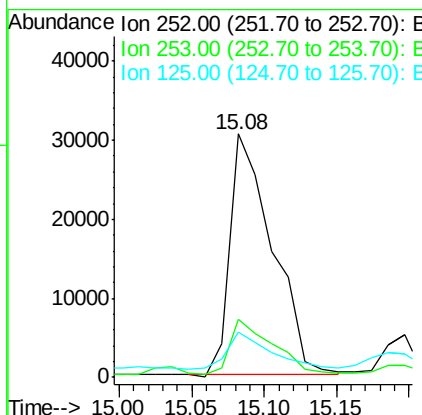
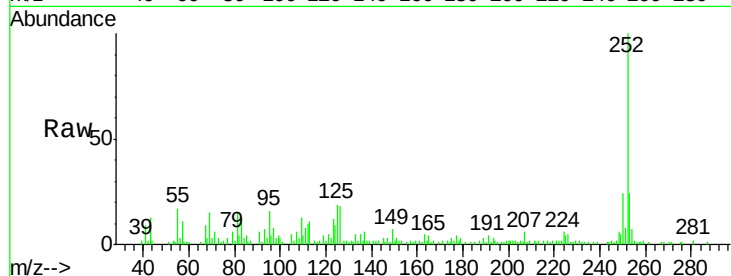




#87
Benzo(b)fluoranthene
Concen: 4.83 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF083766.D
Acq: 14 Dec 2015 8:49

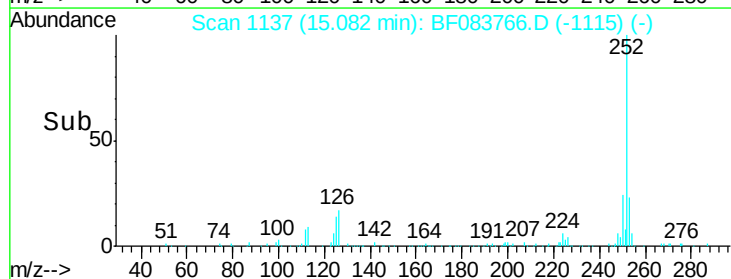
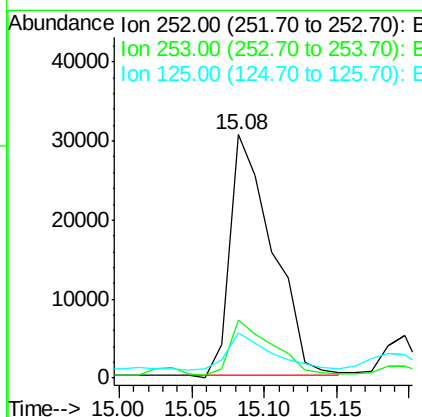
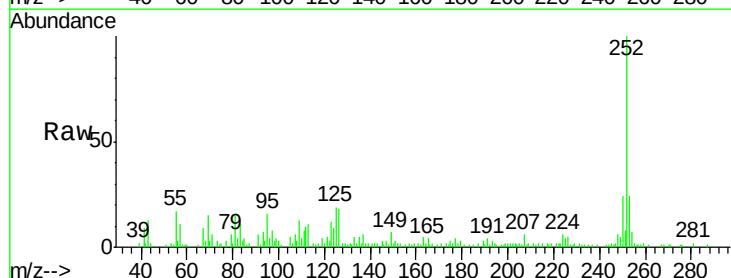
Instrument :
BNA_F
ClientSampleId :

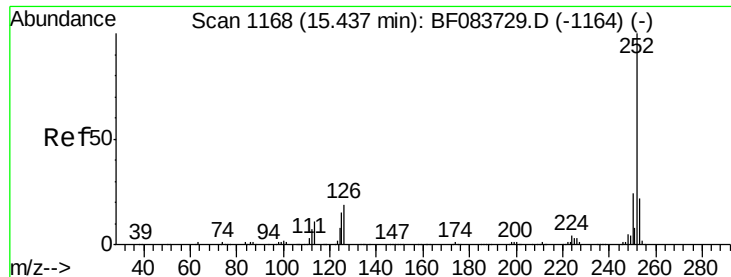
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.4
125	18.8	8.2	12.4



#88
Benzo(k)fluoranthene
Concen: 5.33 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.05 min
Lab File: BF083766.D
Acq: 14 Dec 2015 8:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.6	27.8
125	18.8	11.5	17.3

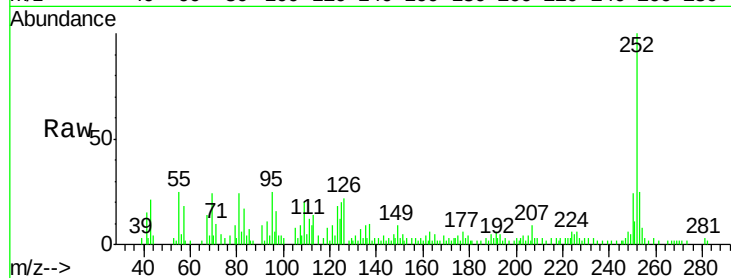




#89
 Benzo(a)pyrene
 Concen: 2.38 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF083766.D
 Acq: 14 Dec 2015 8:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.5	26.3
125	20.2	11.0	16.6



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

