

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081915\
 Data File : BF081092.D
 Acq On : 19 Aug 2015 20:55
 Operator : UM/IZ
 Sample : G3224-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

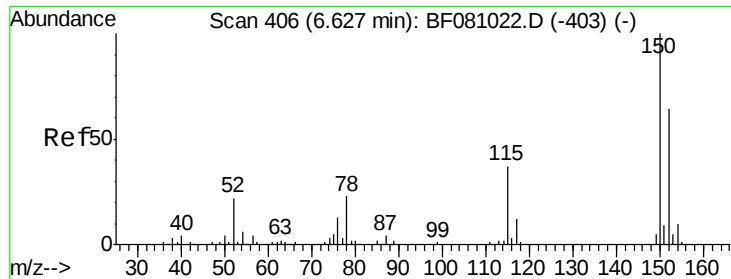
Quant Time: Aug 20 00:49:30 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 17:57:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	52862	20.00	ng	-0.02
21) Naphthalene-d8	7.97	136	150389	20.00	ng	0.06
38) Acenaphthene-d10	9.62	164	104801	20.00	ng	-0.03
63) Phenanthrene-d10	11.09	188	227434	20.00	ng	-0.04
75) Chrysene-d12	13.71	240	211338	20.00	ng	-0.04
86) Perylene-d12	15.04	264	165923	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.14	112	57339	16.31	ng	-0.04
7) Phenol-d6	6.23	99	74596	16.27	ng	-0.03
23) Nitrobenzene-d5	7.18	82	65925	20.03	ng	0.00
41) 2,4,6-Tribromophenol	10.40	330	11209	12.34	ng	-0.04
44) 2-Fluorobiphenyl	8.96	172	71617	8.95	ng	-0.03
78) Terphenyl-d14	12.66	244	75921	7.70	ng	-0.04

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.14	77	16855	5.70	ng	# 1
15) Benzyl Alcohol	6.80	79	54177	14.60	ng	# 56
18) Hexachloroethane	7.21	117	30989	18.74	ng	# 1
19) n-Nitroso-di-n-propylamine	6.98	70	579584	182.46	ng	# 81
20) 3+4-Methylphenols	7.27	107	33536	8.00	ng	# 1
22) Acetophenone	7.18	105	14713	3.73	ng	# 1
24) Nitrobenzene	7.22	77	131715	38.26	ng	# 1
25) Isophorone	7.54	82	293628	47.83	ng	# 1
26) 2-Nitrophenol	7.57	139	38692	27.03	ng	# 1
27) 2,4-Dimethylphenol	7.67	122	55752	22.02	ng	# 1
28) bis(2-Chloroethoxy)methane	7.82	93	26139	7.21	ng	# 1
29) 2,4-Dichlorophenol	7.96	162	5170	2.42	ng	# 1
30) 1,2,4-Trichlorobenzene	7.92	180	17180	7.25	ng	# 54
31) Naphthalene	7.99	128	46676	5.57	ng	# 1
32) Benzoic acid	7.67	122	55752	39.14	ng	# 1
33) 4-Chloroaniline	8.05	127	135472	38.30	ng	# 74
35) Caprolactam	8.38	113	164325	220.52	ng	# 52
36) 4-Chloro-3-methylphenol	8.49	107	20254	7.97	ng	# 25
37) 2-Methylnaphthalene	8.72	142	21633	4.09	ng	98
45) 1,1'-Biphenyl	9.06	154	20863	2.26	ng	99

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

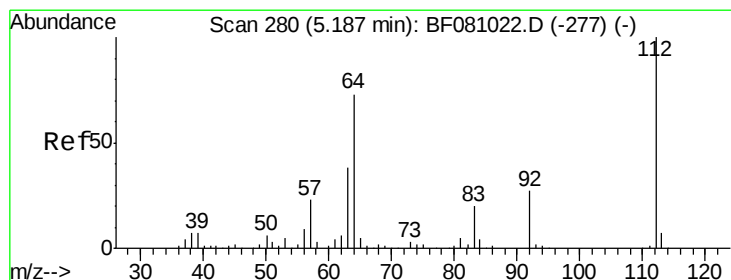
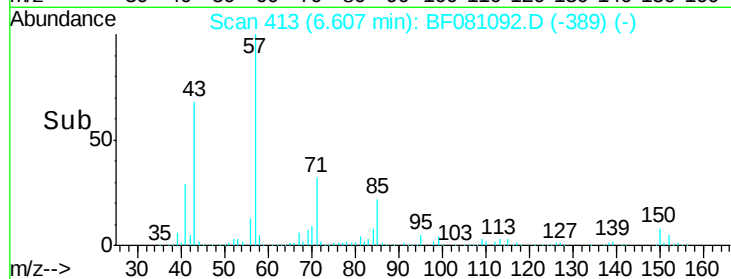
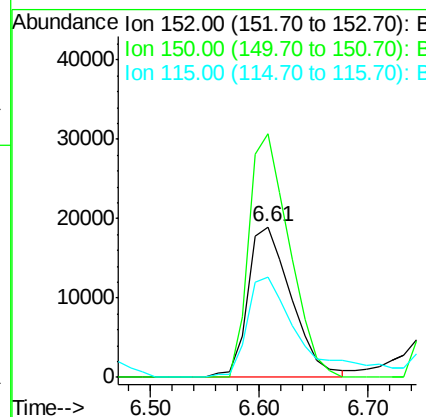
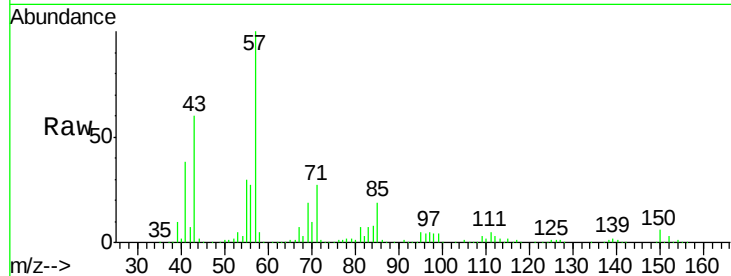


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.61 min Scan# 413
Delta R.T. -0.02 min
Lab File: BF081092.D
Acq: 19 Aug 2015 20:55

Instrument :
BNA_F
ClientSampleId :

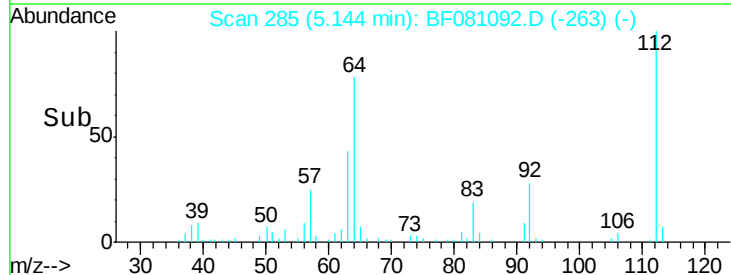
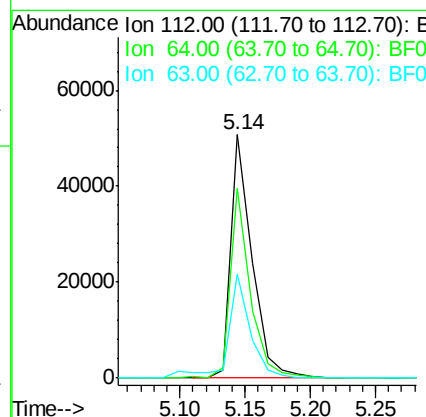
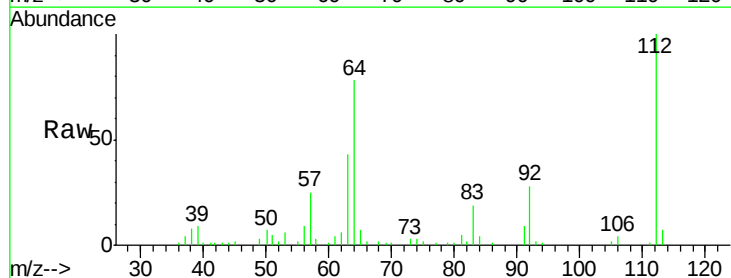
Tot Ion:152 Resp: 52862
Ion Ratio Lower Upper
152 100
150 161.6 123.8 185.6
115 66.6 52.1 78.1

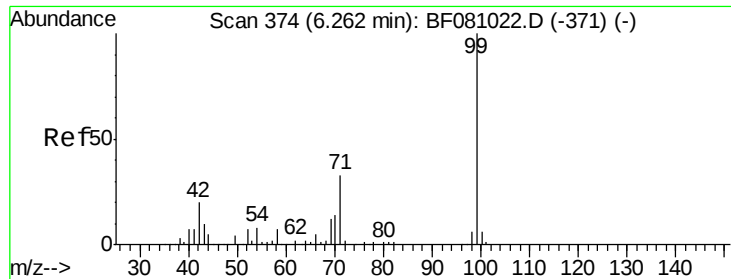


#5

2-Fluorophenol
Concen: 16.31 ng
RT: 5.14 min Scan# 285
Delta R.T. -0.04 min
Lab File: BF081092.D
Acq: 19 Aug 2015 20:55

Tgt Ion:112 Resp: 57339
Ion Ratio Lower Upper
112 100
64 78.0 66.9 100.3
63 42.5 38.1 57.1





#7

Phenol-d6

Concen: 16.27 ng

RT: 6.23 min Scan# 380

Delta R.T. -0.03 min

Lab File: BF081092.D

Acq: 19 Aug 2015 20:55

Instrument :

BNA_F

ClientSampleId :

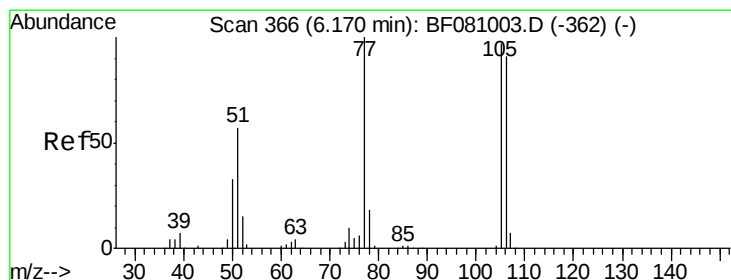
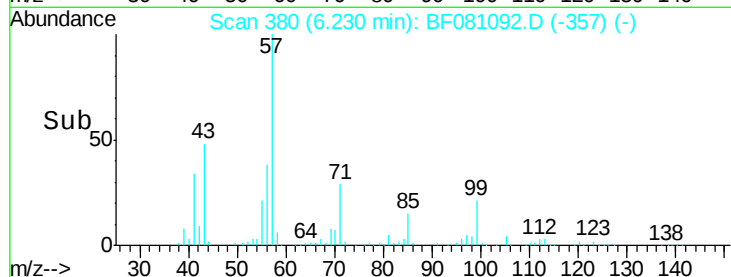
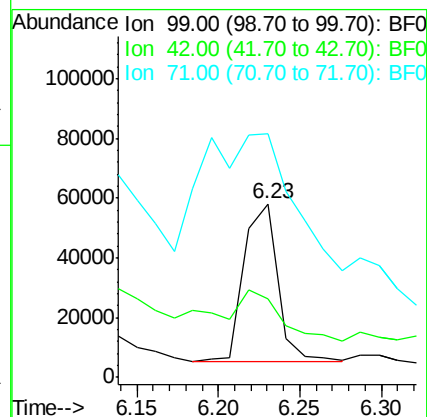
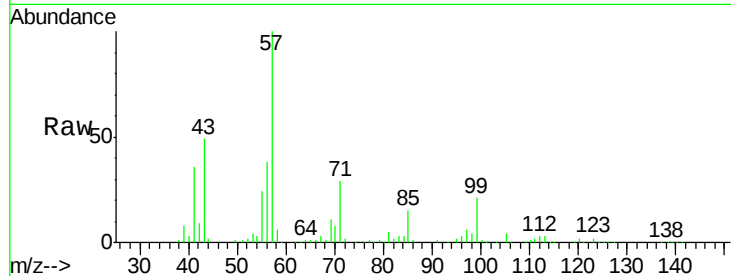
Tot Ion: 99 Resp: 74596

Ion Ratio Lower Upper

99 100

42 45.6 19.6 29.4#

71 140.4 31.2 46.8#



#9

Benzaldehyde

Concen: 5.70 ng

RT: 6.14 min Scan# 372

Delta R.T. -0.02 min

Lab File: BF081092.D

Acq: 19 Aug 2015 20:55

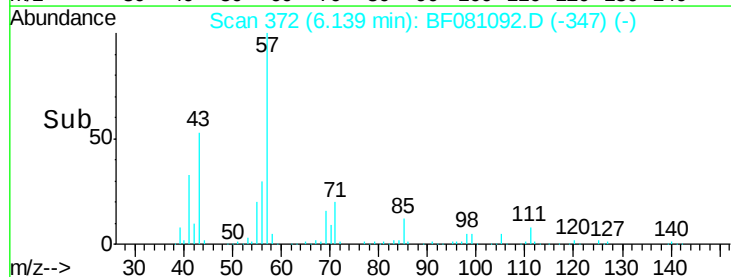
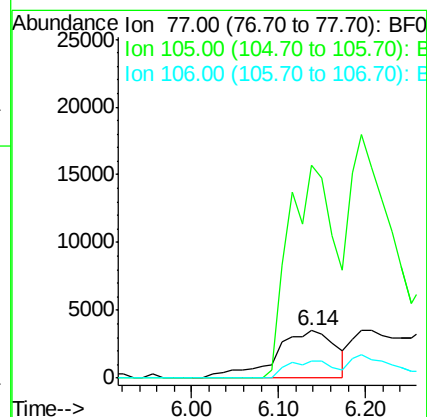
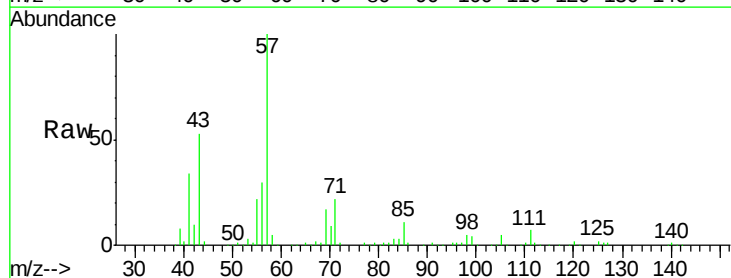
Tgt Ion: 77 Resp: 16855

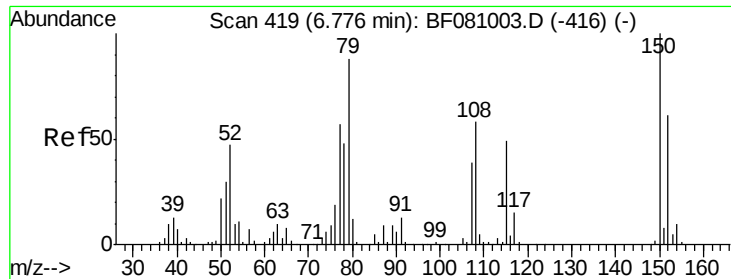
Ion Ratio Lower Upper

77 100

105 446.9 69.6 109.6#

106 36.0 64.0 104.0#

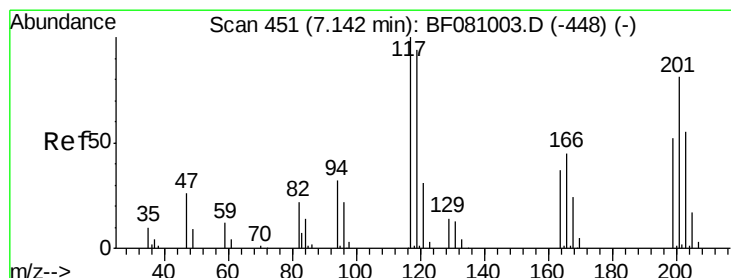
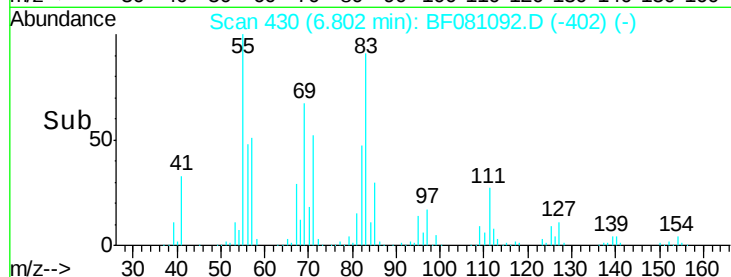
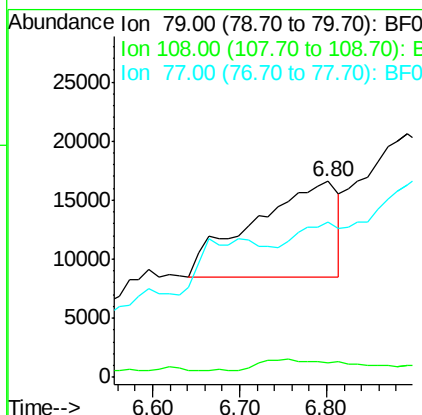
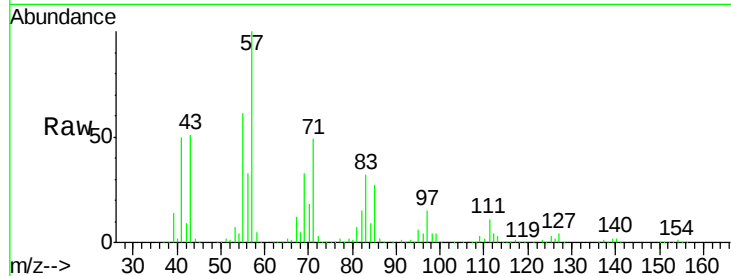




#15
Benzyl Alcohol
Concen: 14.60 ng
RT: 6.80 min Scan# 430
Delta R.T. 0.03 min
Lab File: BF081092.D
Acq: 19 Aug 2015 20:55

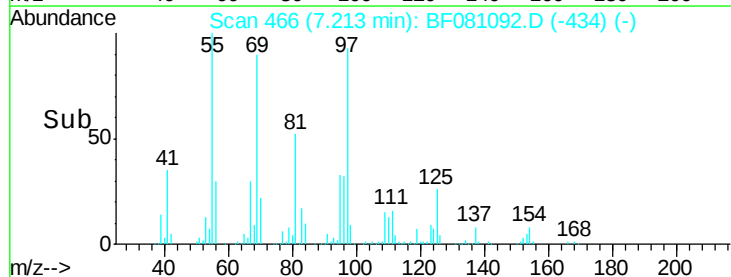
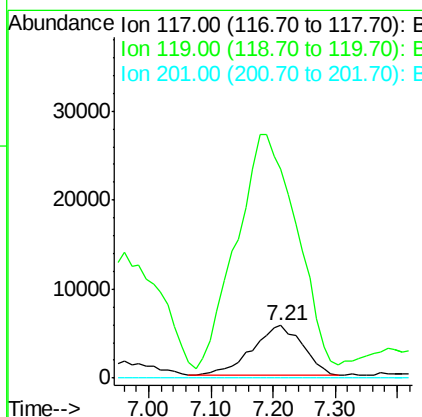
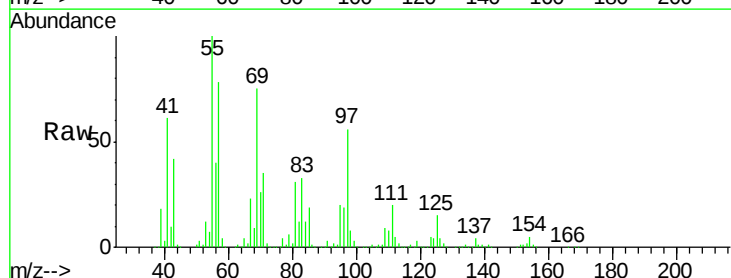
Instrument :
BNA_F
ClientSampled :

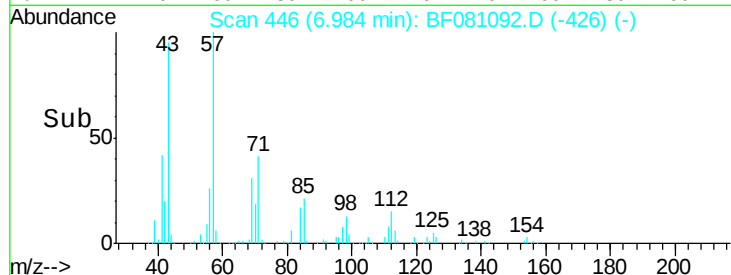
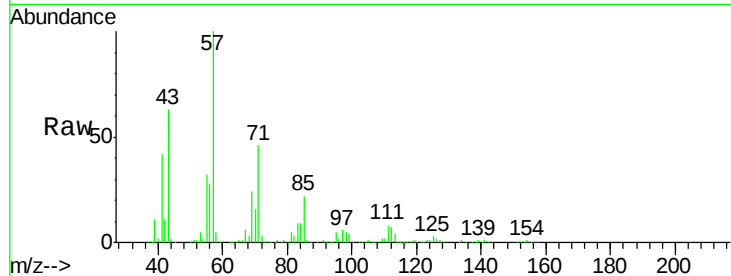
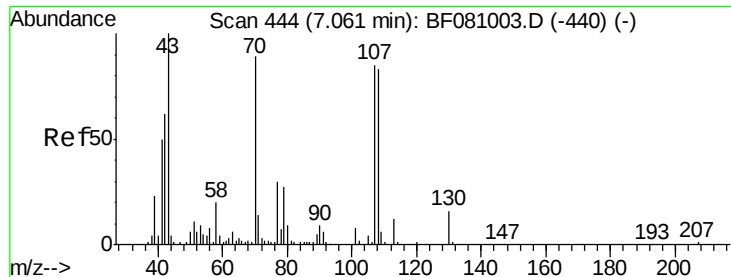
Tot Ion: 79 Resp: 54177
Ion Ratio Lower Upper
79 100
108 7.7 49.4 74.2#
77 79.3 51.4 77.0#



#18
Hexachloroethane
Concen: 18.74 ng
RT: 7.21 min Scan# 466
Delta R.T. 0.07 min
Lab File: BF081092.D
Acq: 19 Aug 2015 20:55

Tgt Ion: 117 Resp: 30989
Ion Ratio Lower Upper
117 100
119 396.2 77.9 116.9#
201 0.0 61.3 91.9#

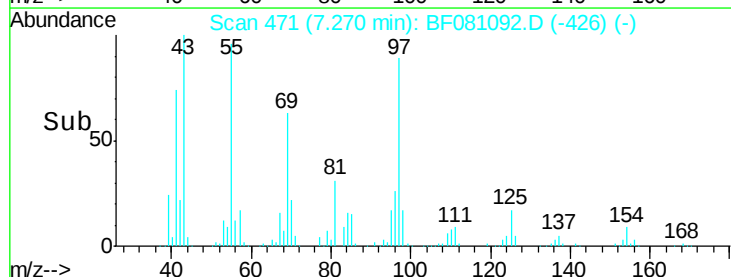
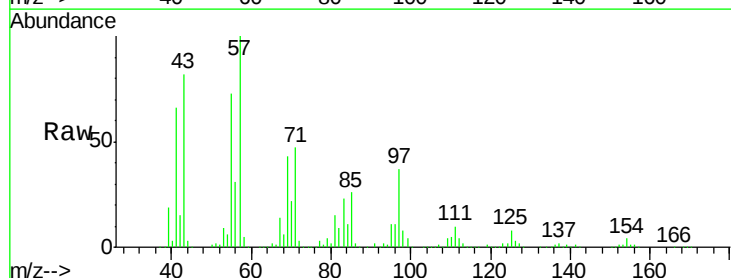
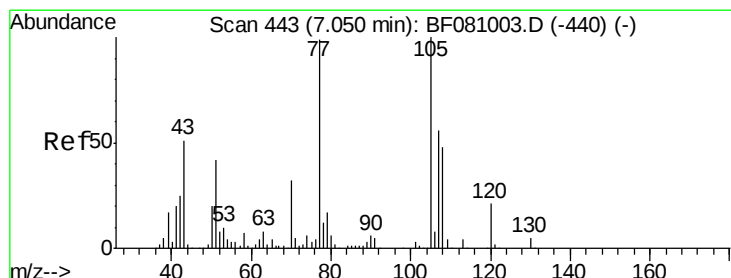
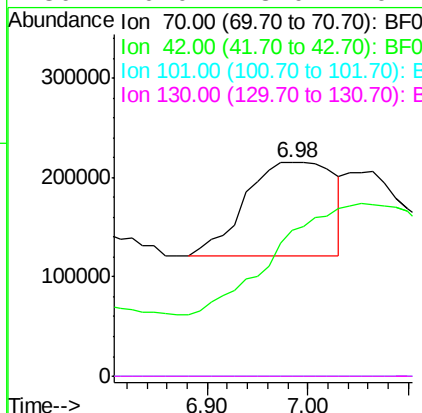




#19
n-Nitroso-di-n-propylamine
Concen: 182.46 ng
RT: 6.98 min Scan# 446
Delta R.T. -0.07 min
Lab File: BF081092.D
Acq: 19 Aug 2015 20:55

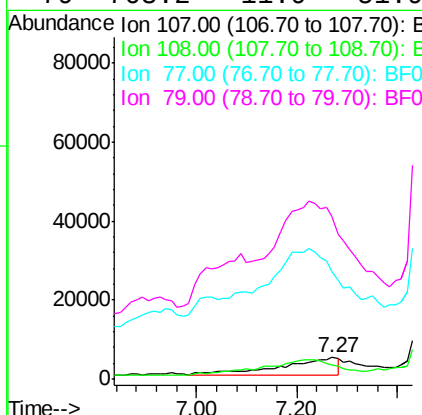
Instrument :
BNA_F
ClientSampleId :

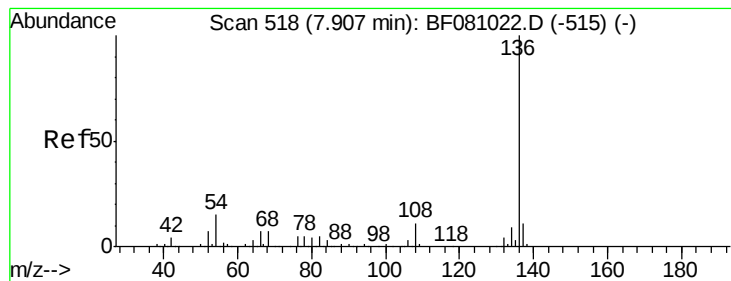
Tot Ion:	70	Resp:	579584
Ion	Ratio	Lower	Upper
70	100		
42	68.4	65.0	97.4
101	0.0	7.4	11.2#
130	0.0	13.0	19.4#



#20
3+4-Methylphenols
Concen: 8.00 ng
RT: 7.27 min Scan# 471
Delta R.T. 0.22 min
Lab File: BF081092.D
Acq: 19 Aug 2015 20:55

Tgt Ion:	107	Resp:	33536
Ion	Ratio	Lower	Upper
107	100		
108	68.0	66.1	106.1
77	501.3	139.3	179.3#
79	763.2	11.9	51.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.97 min Scan# 532

Delta R.T. 0.06 min

Lab File: BF081092.D

Acq: 19 Aug 2015 20:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 150389

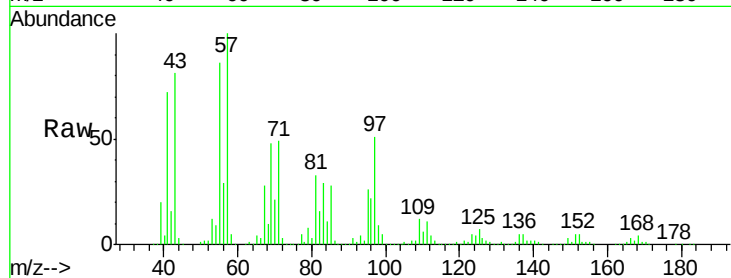
Ion Ratio Lower Upper

136 100

137 96.9 8.2 12.2#

54 173.5 7.7 11.5#

68 182.8 3.4 5.2#



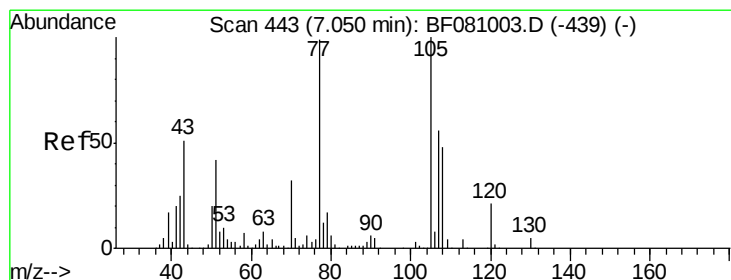
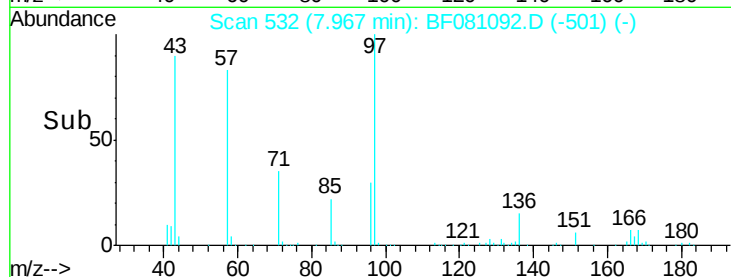
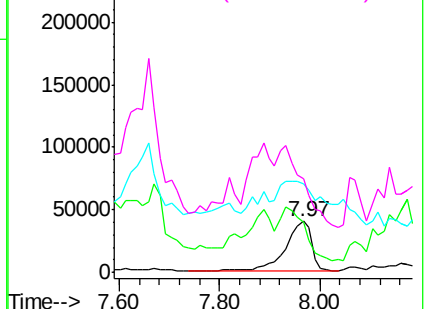
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 3.73 ng

RT: 7.18 min Scan# 463

Delta R.T. 0.14 min

Lab File: BF081092.D

Acq: 19 Aug 2015 20:55

Tgt Ion:105 Resp: 14713

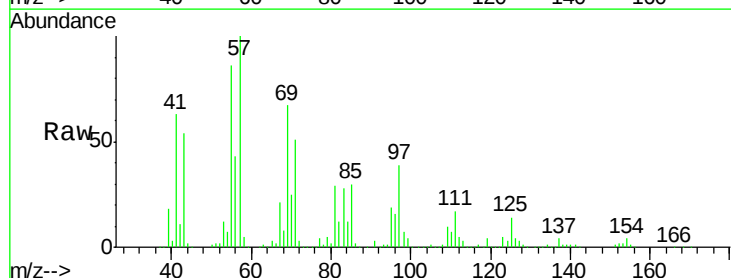
Ion Ratio Lower Upper

105 100

71 8560.7 3.0 4.6#

51 415.7 39.8 59.8#

120 58.9 15.8 23.8#



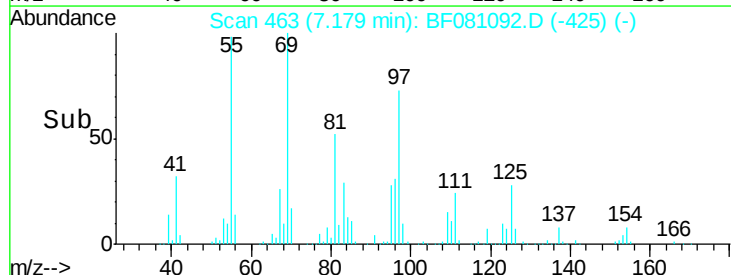
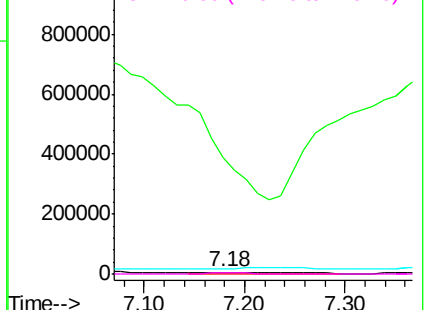
Abundance

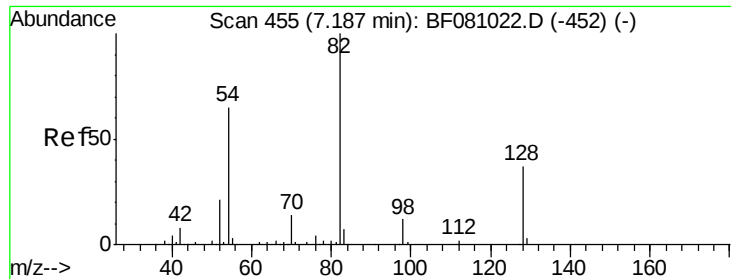
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

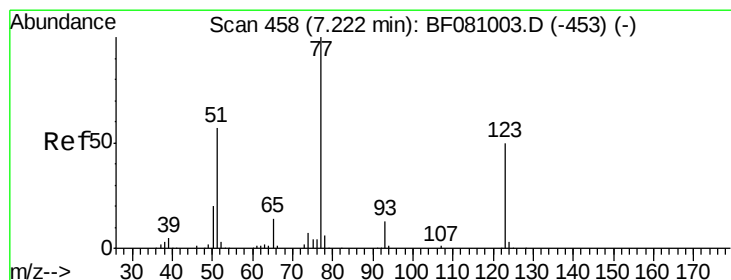
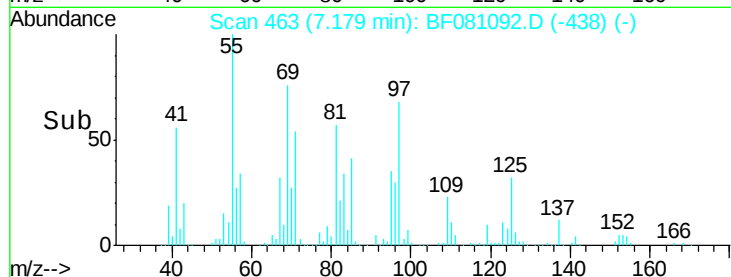
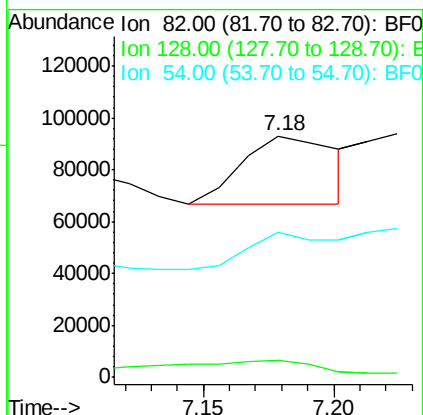
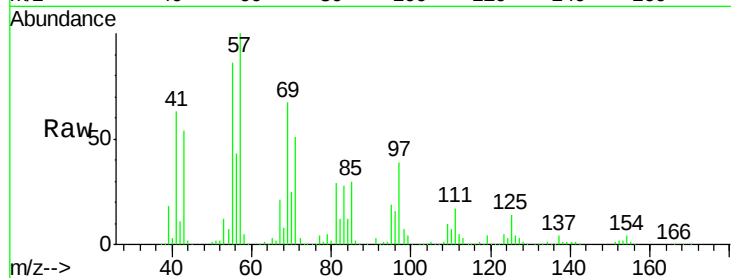




#23
Nitrobenzene-d5
Concen: 20.03 ng
RT: 7.18 min Scan# 463
Delta R.T. -0.01 min
Lab File: BF081092.D
Acq: 19 Aug 2015 20:55

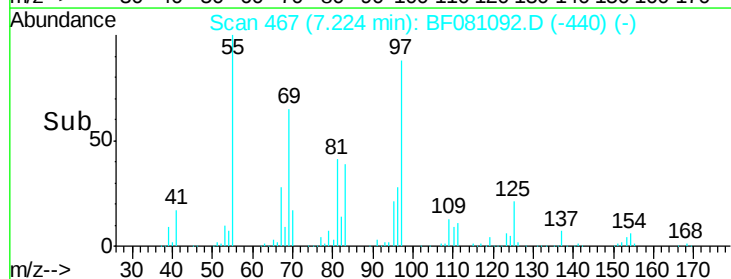
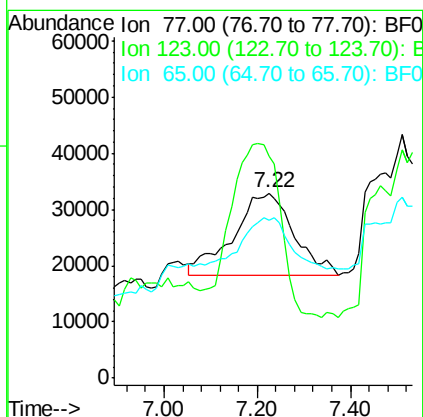
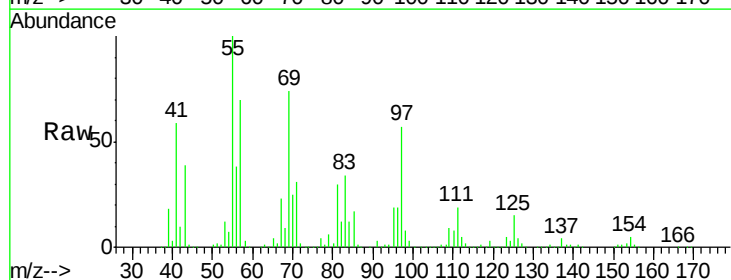
Instrument :
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ClientSampled :

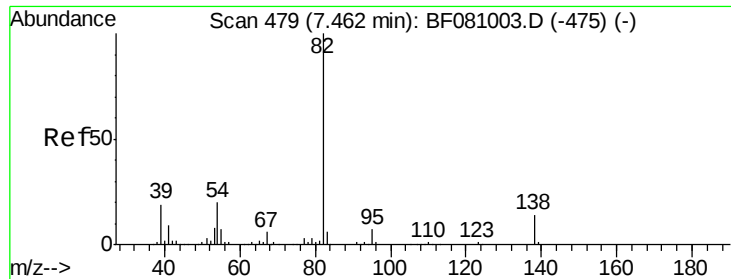
Tot Ion	82	Resp	65925
Ion Ratio	Lower	Upper	
82	100		
128	7.3	28.6	42.8#
54	60.2	55.1	82.7



#24
Nitrobenzene
Concen: 38.26 ng
RT: 7.22 min Scan# 467
Delta R.T. 0.01 min
Lab File: BF081092.D
Acq: 19 Aug 2015 20:55

Tgt Ion	77	Resp	131715
Ion Ratio	Lower	Upper	
77	100		
123	119.9	32.9	49.3#
65	85.1	12.5	18.7#





#25

Isophorone

Concen: 47.83 ng

RT: 7.54 min Scan# 495

Delta R.T. 0.09 min

Lab File: BF081092.D

Acq: 19 Aug 2015 20:55

Instrument :

BNA_F

ClientSampleId :

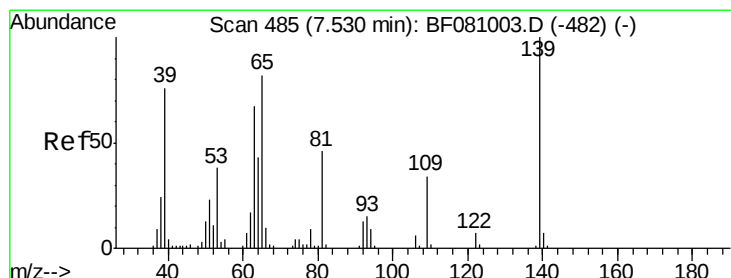
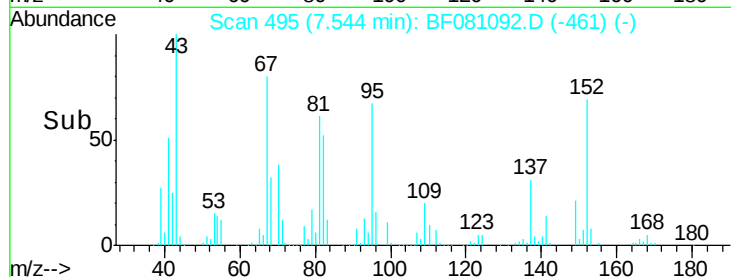
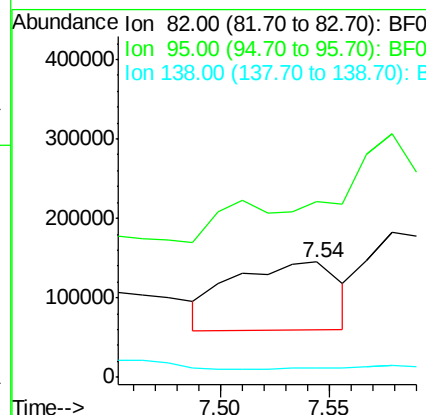
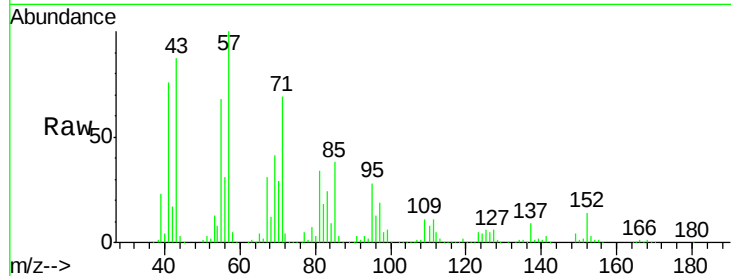
Tot Ion: 82 Resp: 293628

Ion Ratio Lower Upper

82 100

95 152.0 6.2 9.2#

138 8.1 10.5 15.7#



#26

2-Nitrophenol

Concen: 27.03 ng

RT: 7.57 min Scan# 497

Delta R.T. 0.04 min

Lab File: BF081092.D

Acq: 19 Aug 2015 20:55

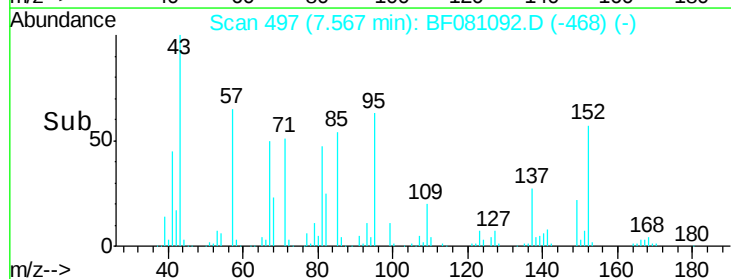
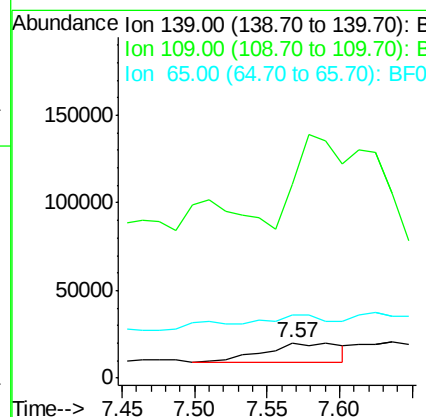
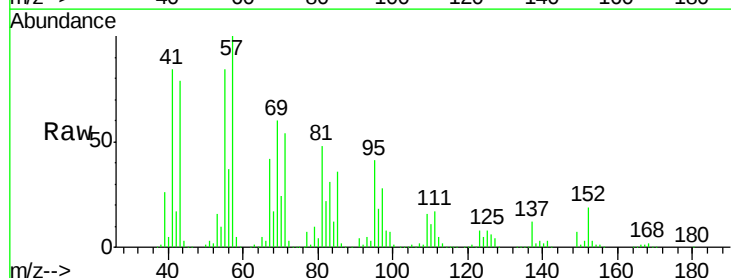
Tgt Ion: 139 Resp: 38692

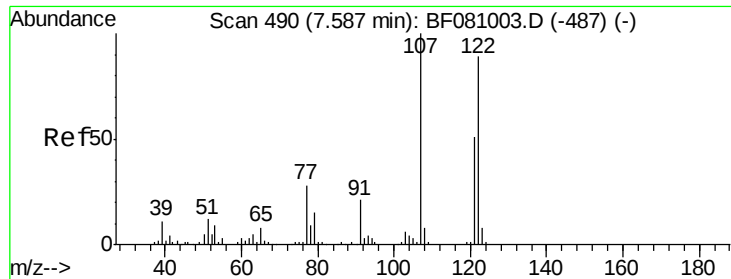
Ion Ratio Lower Upper

139 100

109 554.4 32.1 48.1#

65 179.8 69.9 104.9#





#27

2,4-Dimethylphenol

Concen: 22.02 ng

RT: 7.67 min Scan# 506

Delta R.T. 0.09 min

Lab File: BF081092.D

Acq: 19 Aug 2015 20:55

Instrument :

BNA_F

ClientSampleId :

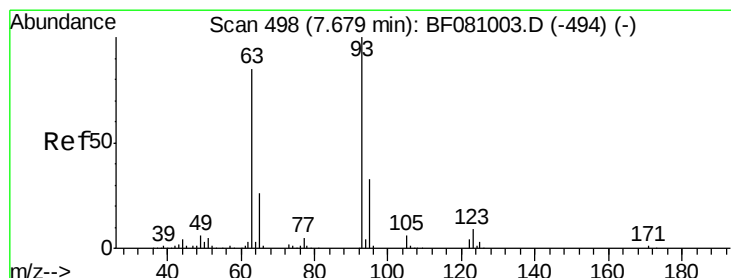
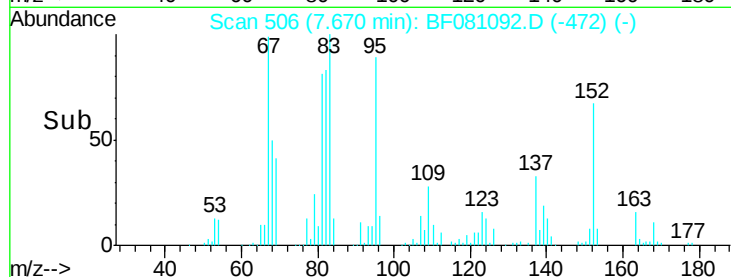
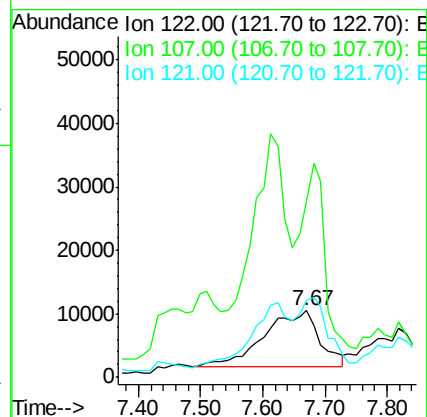
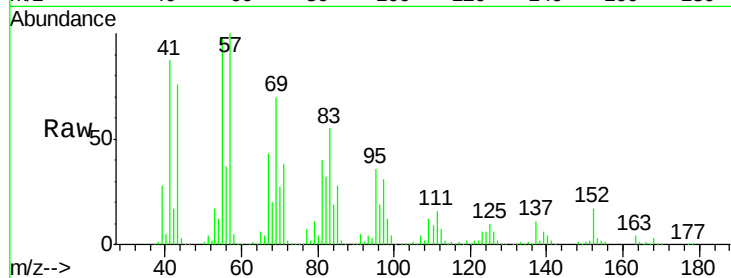
Tot Ion:122 Resp: 55752

Ion Ratio Lower Upper

122 100

107 263.2 103.8 155.6#

121 114.6 47.0 70.4#



#28

bis(2-Chloroethoxy)methane

Concen: 7.21 ng

RT: 7.82 min Scan# 519

Delta R.T. 0.14 min

Lab File: BF081092.D

Acq: 19 Aug 2015 20:55

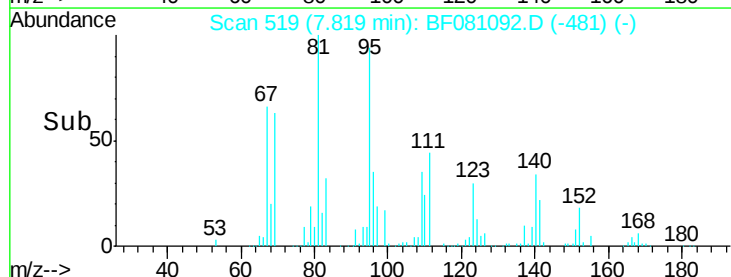
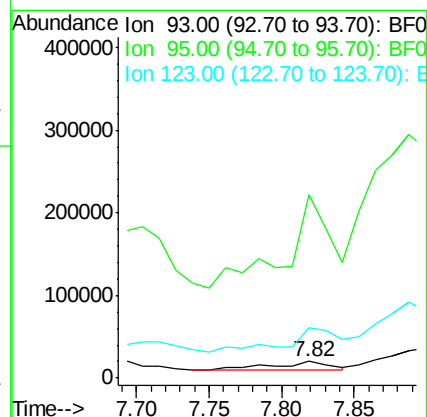
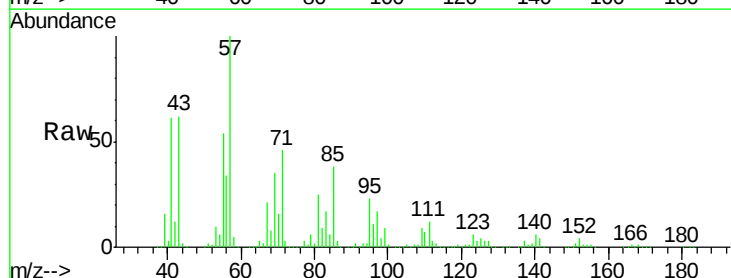
Tgt Ion: 93 Resp: 26139

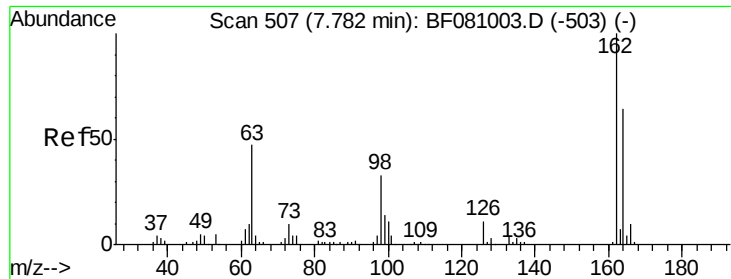
Ion Ratio Lower Upper

93 100

95 1104.9 25.8 38.8#

123 299.2 7.4 11.0#





#29

2,4-Dichlorophenol

Concen: 2.42 ng

RT: 7.96 min Scan# 531

Delta R.T. 0.19 min

Lab File: BF081092.D

Acq: 19 Aug 2015 20:55

Instrument :

BNA_F

ClientSampled :

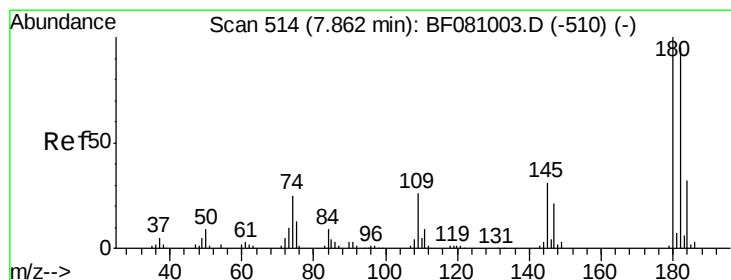
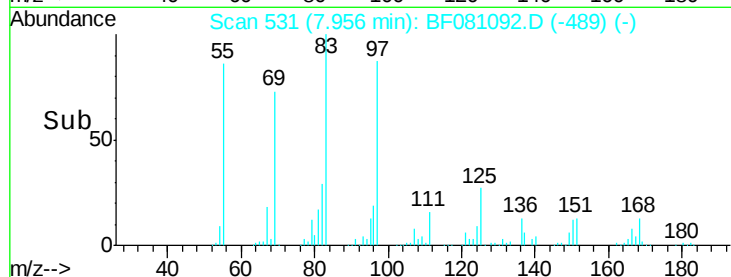
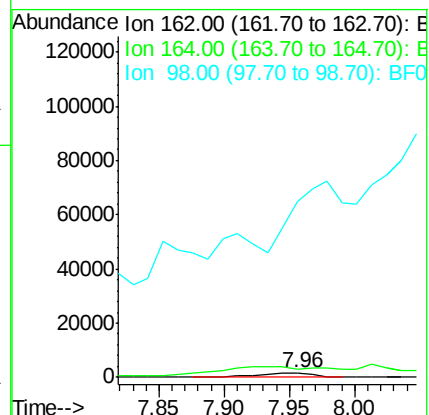
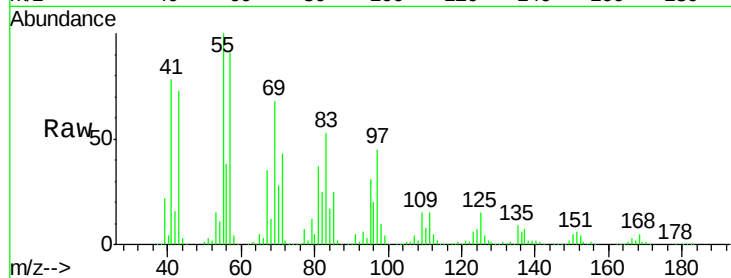
Tot Ion:162 Resp: 5170

Ion Ratio Lower Upper

162 100

164 163.0 43.2 83.2#

98 3680.6 12.3 52.3#



#30

1,2,4-Trichlorobenzene

Concen: 7.25 ng

RT: 7.92 min Scan# 528

Delta R.T. 0.06 min

Lab File: BF081092.D

Acq: 19 Aug 2015 20:55

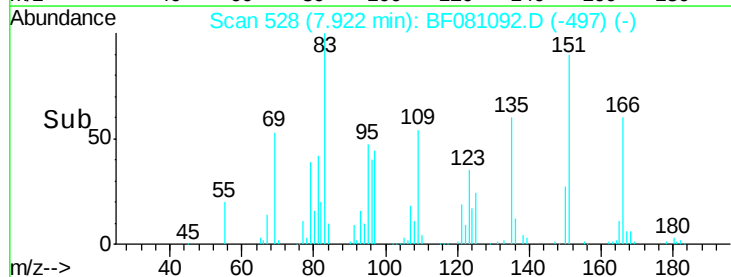
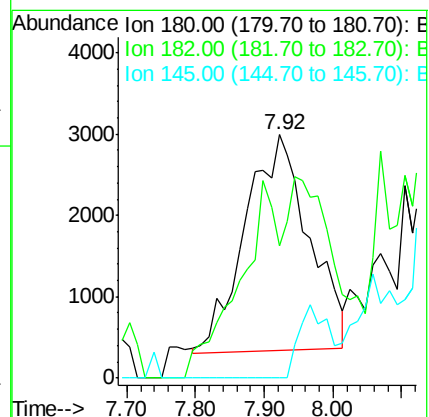
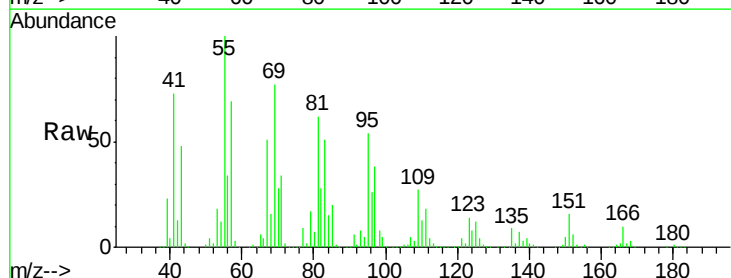
Tgt Ion:180 Resp: 17180

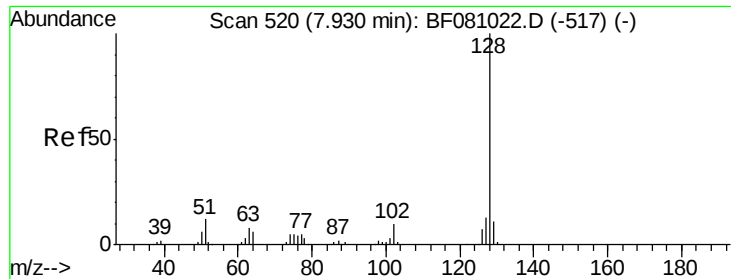
Ion Ratio Lower Upper

180 100

182 54.2 76.4 114.6#

145 0.0 25.4 38.2#

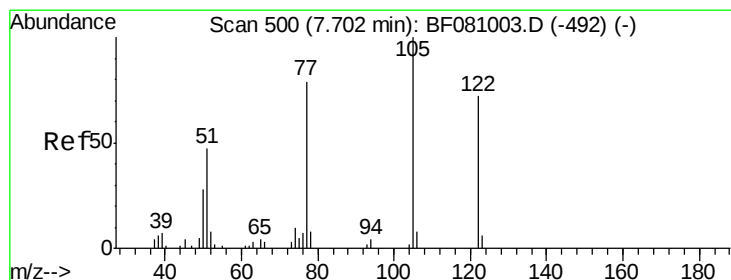
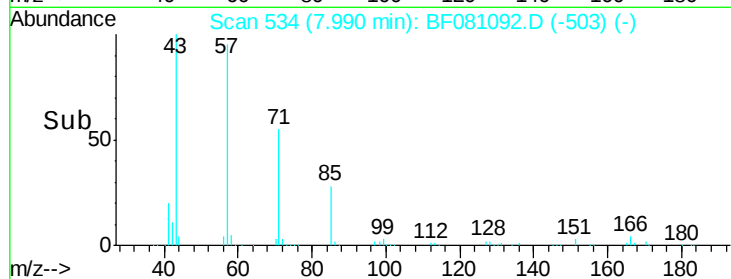
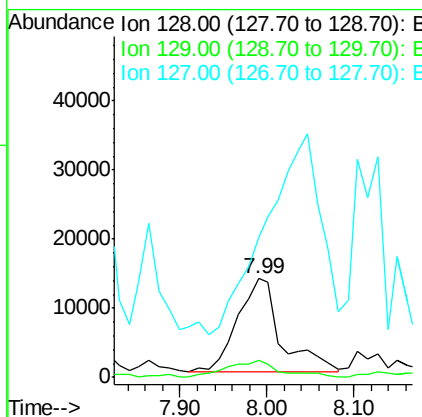
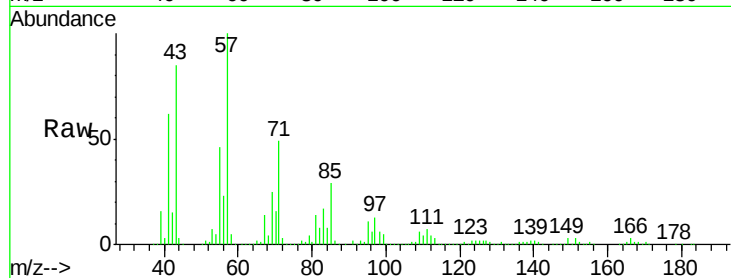




#31
Naphthalene
Concen: 5.57 ng
RT: 7.99 min Scan# 534
Delta R.T. 0.06 min
Lab File: BF081092.D
Acq: 19 Aug 2015 20:55

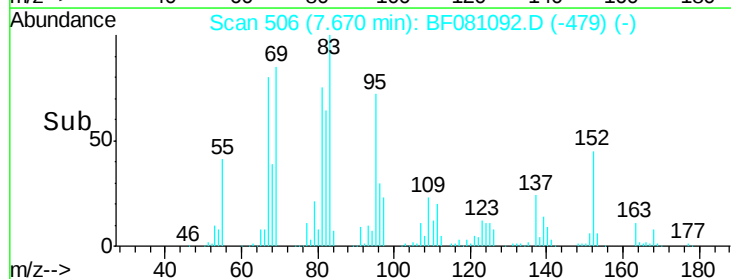
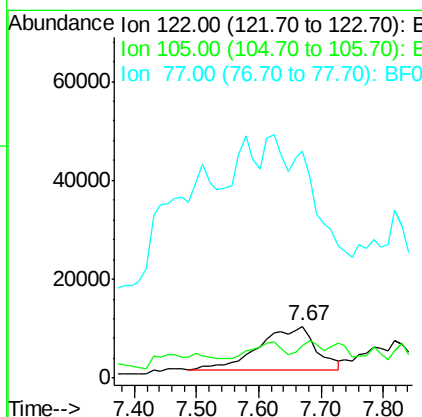
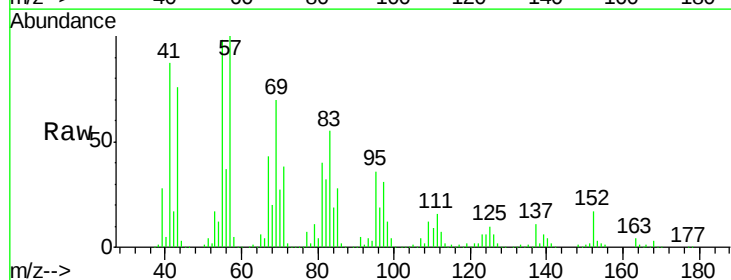
Instrument :
BNA_F
ClientSampleId :

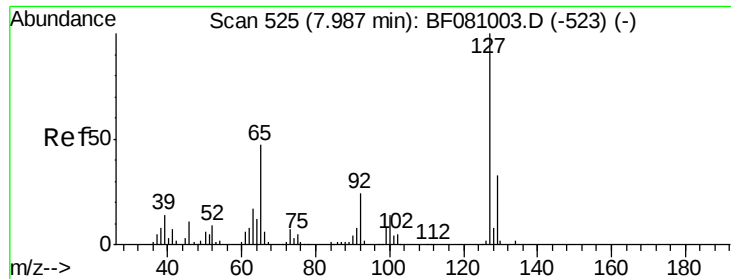
Tot Ion:128 Resp: 46676
Ion Ratio Lower Upper
128 100
129 17.5 8.4 12.6#
127 141.8 10.6 16.0#



#32
Benzoic acid
Concen: 39.14 ng
RT: 7.67 min Scan# 506
Delta R.T. 0.01 min
Lab File: BF081092.D
Acq: 19 Aug 2015 20:55

Tgt Ion:122 Resp: 55752
Ion Ratio Lower Upper
122 100
105 63.1 113.8 153.8#
77 436.2 93.8 133.8#

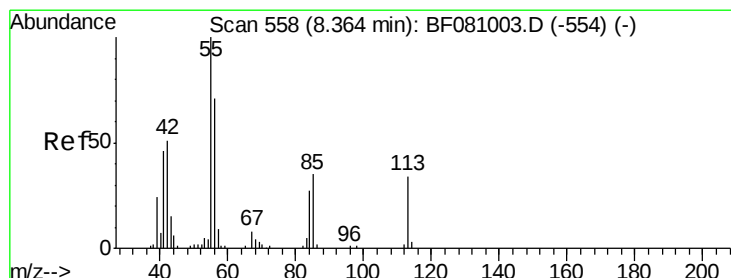
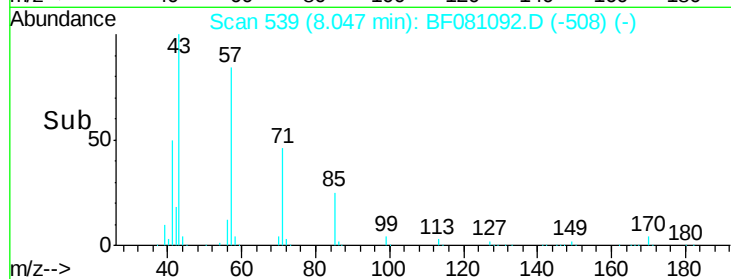
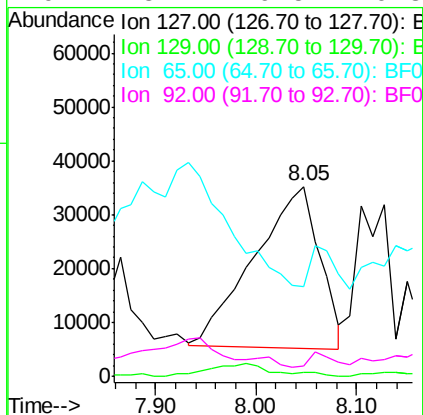
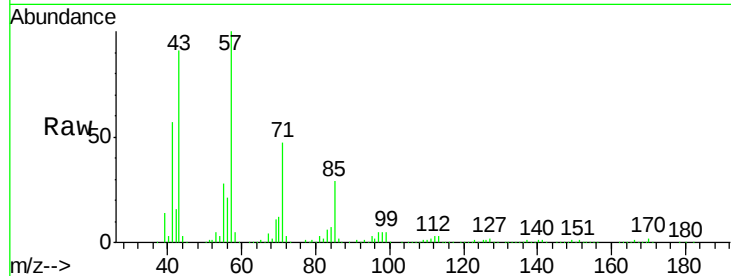




#33
4-Chloroaniline
Concen: 38.30 ng
RT: 8.05 min Scan# 539
Delta R.T. 0.06 min
Lab File: BF081092.D
Acq: 19 Aug 2015 20:55

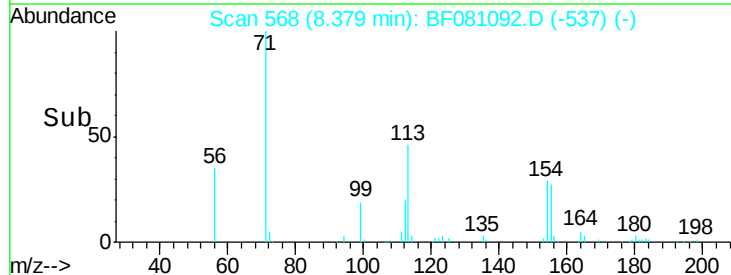
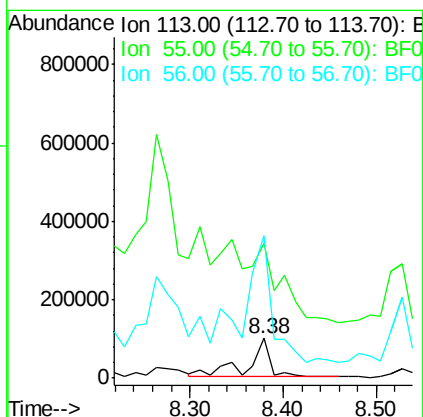
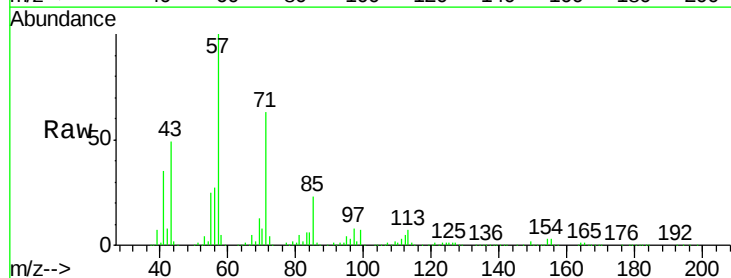
Instrument :
BNA_F
ClientSampleId :

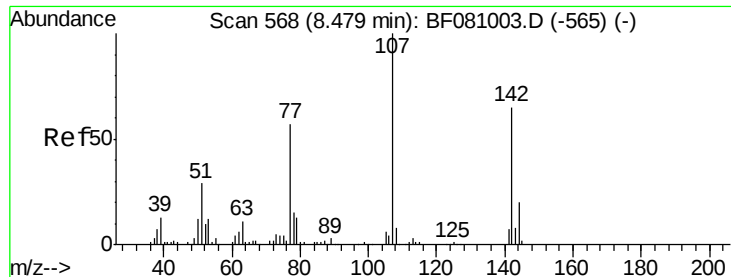
Tot Ion:127	Resp:	135472
Ion Ratio	Lower	Upper
127	100	
129	1.8	25.2 37.8#
65	47.5	37.8 56.6
92	5.2	19.5 29.3#



#35
Caprolactam
Concen: 220.52 ng
RT: 8.38 min Scan# 568
Delta R.T. 0.05 min
Lab File: BF081092.D
Acq: 19 Aug 2015 20:55

Tgt Ion:113	Resp:	164325
Ion Ratio	Lower	Upper
113	100	
55	342.0	280.4 320.4#
56	361.1	205.9 245.9#

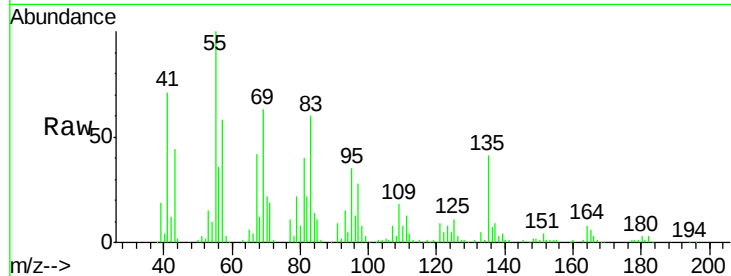




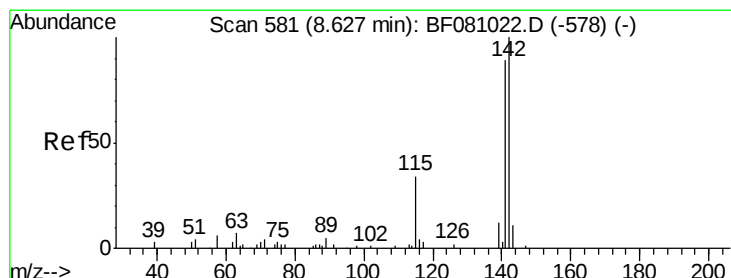
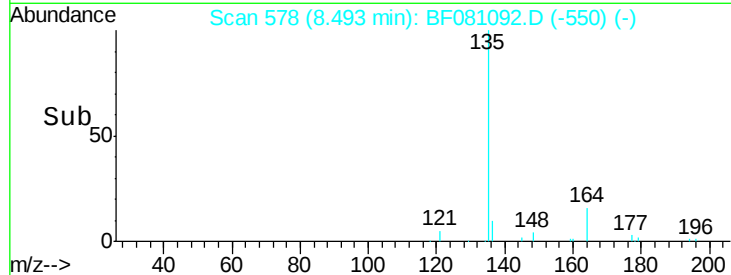
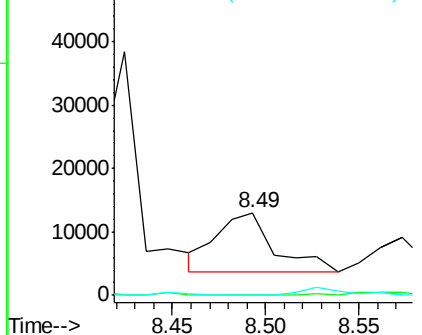
#36
 4-Chloro-3-methylphenol
 Concen: 7.97 ng
 RT: 8.49 min Scan# 578
 Delta R.T. 0.03 min
 Lab File: BF081092.D
 Acq: 19 Aug 2015 20:55

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:107 Resp: 20254
 Ion Ratio Lower Upper
 107 100
 144 0.0 17.2 25.8#
 142 0.0 54.9 82.3#

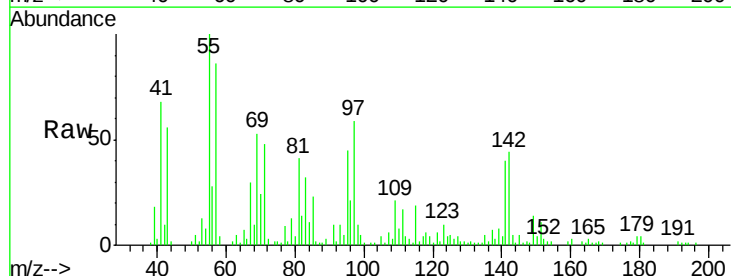


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

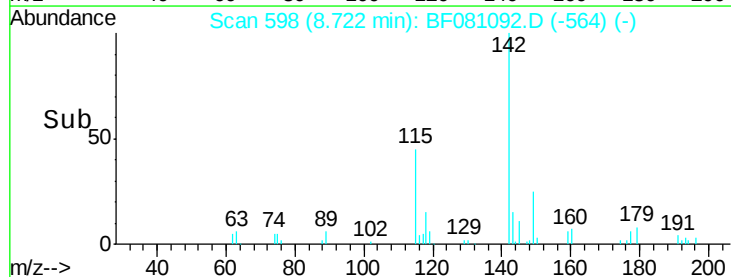
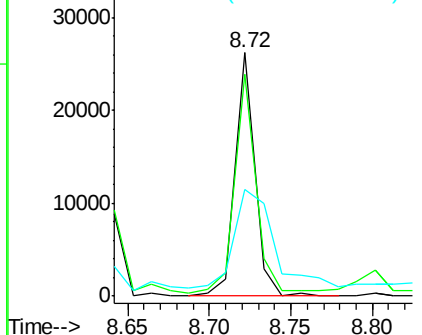


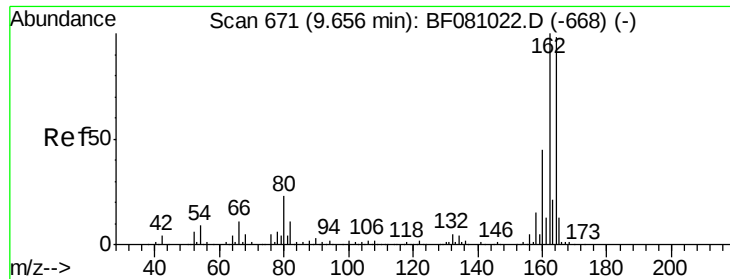
#37
 2-Methylnaphthalene
 Concen: 4.09 ng
 RT: 8.72 min Scan# 598
 Delta R.T. 0.09 min
 Lab File: BF081092.D
 Acq: 19 Aug 2015 20:55

Tgt Ion:142 Resp: 21633
 Ion Ratio Lower Upper
 142 100
 141 91.0 71.4 107.2
 115 44.0 33.4 50.0



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

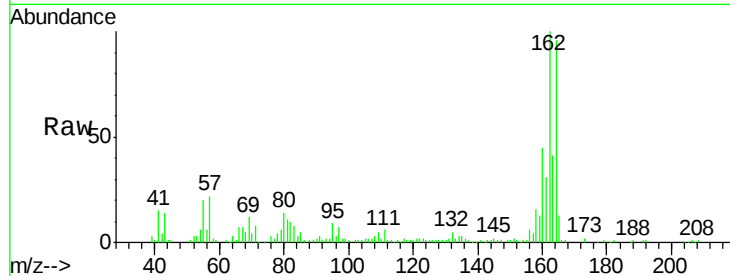




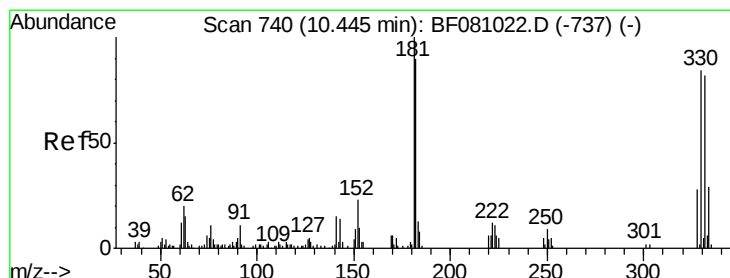
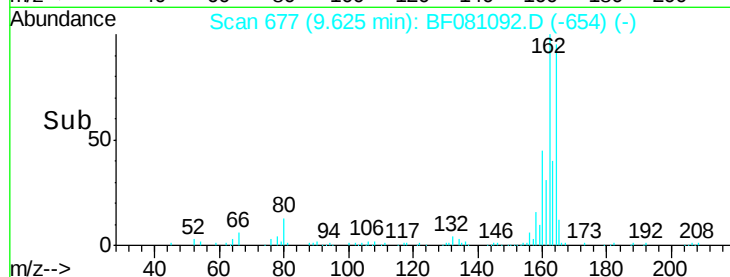
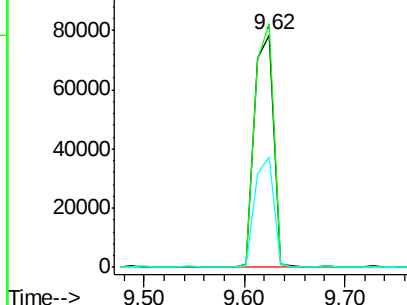
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.62 min Scan# 677
Delta R.T. -0.03 min
Lab File: BF081092.D
Acq: 19 Aug 2015 20:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 104801
Ion Ratio Lower Upper
164 100
162 104.7 83.8 125.8
160 47.3 39.8 59.8

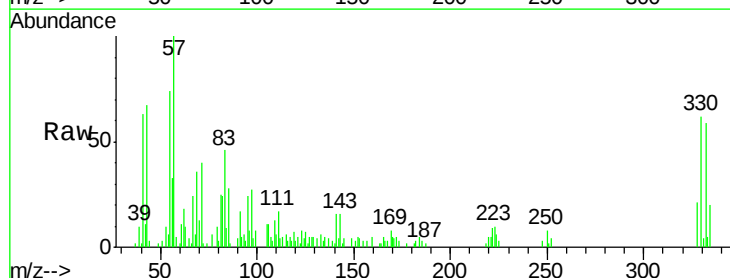


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

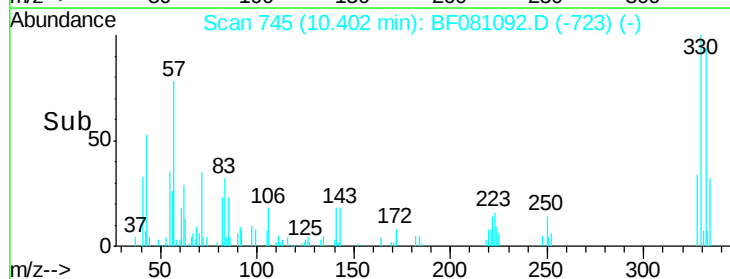
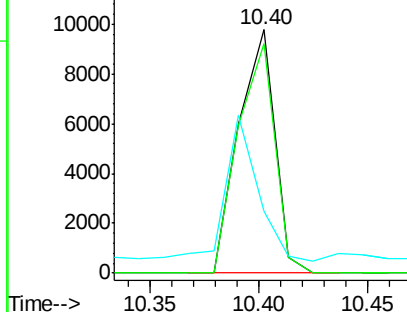


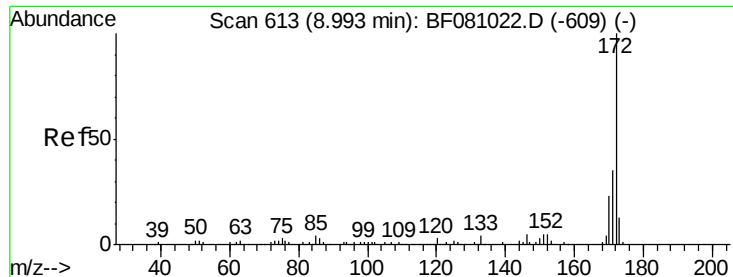
#41
2,4,6-Tribromophenol
Concen: 12.34 ng
RT: 10.40 min Scan# 745
Delta R.T. -0.04 min
Lab File: BF081092.D
Acq: 19 Aug 2015 20:55

Tgt Ion:330 Resp: 11209
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 54.6 44.9 67.3



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

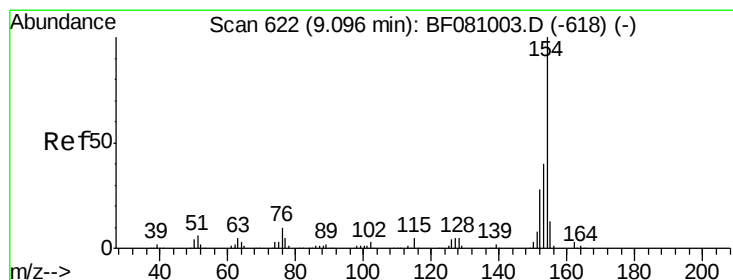
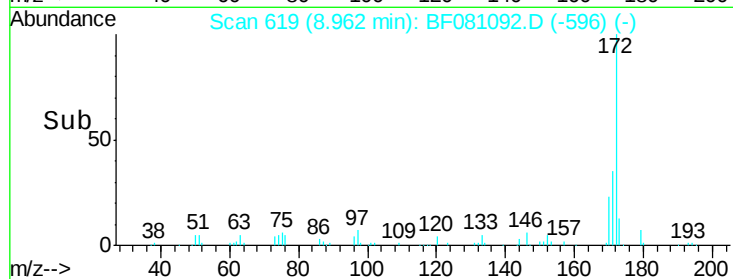
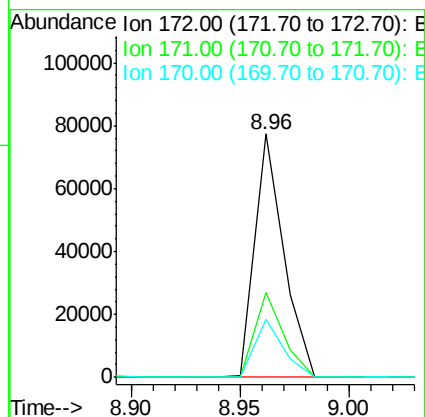
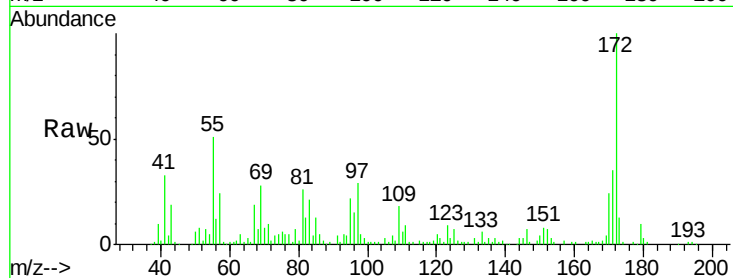




#44
 2-Fluorobiphenyl
 Concen: 8.95 ng
 RT: 8.96 min Scan# 619
 Delta R.T. -0.03 min
 Lab File: BF081092.D
 Acq: 19 Aug 2015 20:55

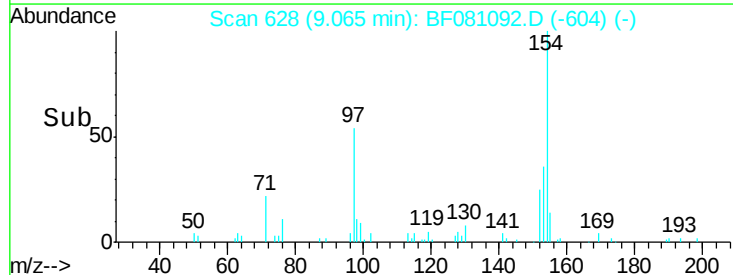
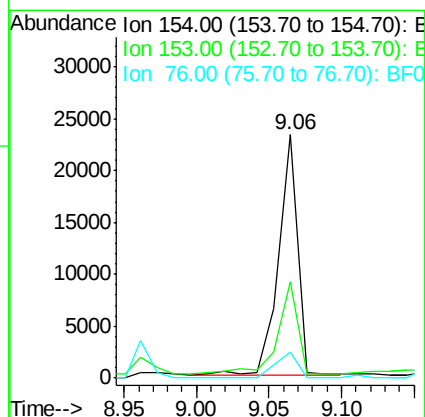
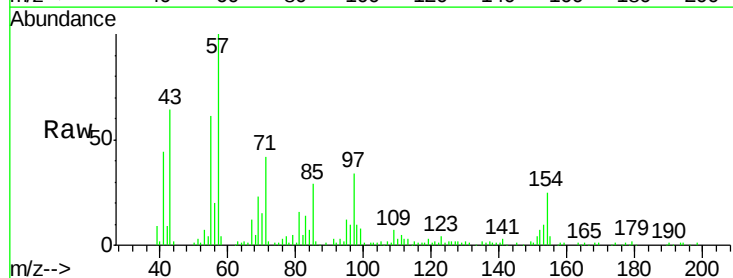
Instrument :
 BNA_F
 ClientSampleId :

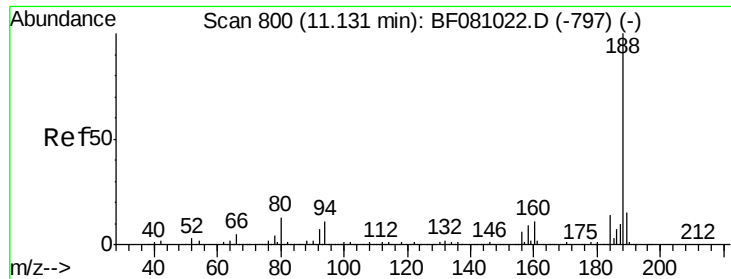
Tot Ion:172 Resp: 71617
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.9 43.3
 170 23.6 19.4 29.2



#45
 1,1'-Biphenyl
 Concen: 2.26 ng
 RT: 9.06 min Scan# 628
 Delta R.T. -0.02 min
 Lab File: BF081092.D
 Acq: 19 Aug 2015 20:55

Tgt Ion:154 Resp: 20863
 Ion Ratio Lower Upper
 154 100
 153 39.5 19.5 59.5
 76 10.5 0.0 29.3

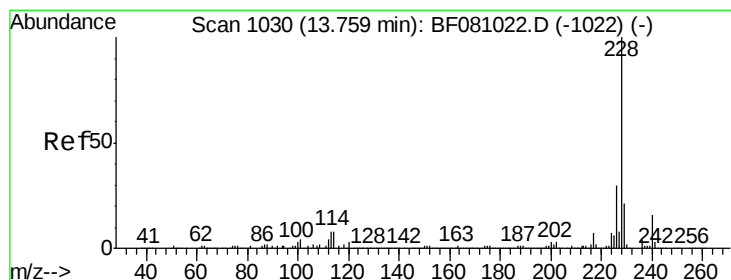
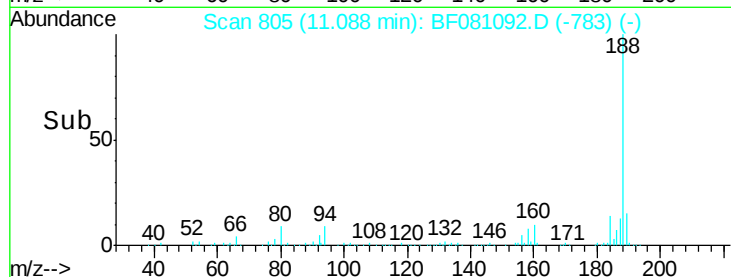
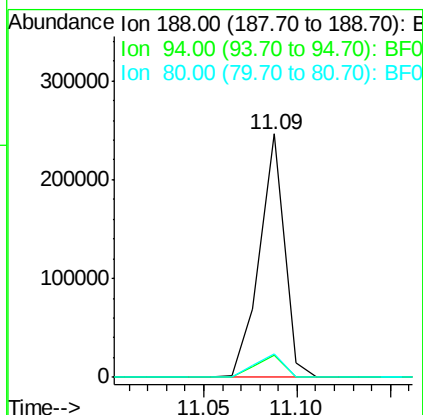
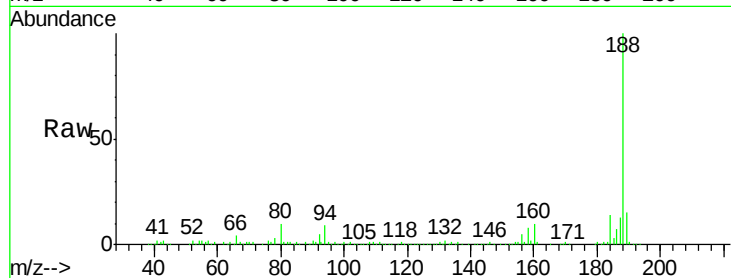




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.09 min Scan# 805
Delta R.T. -0.04 min
Lab File: BF081092.D
Acq: 19 Aug 2015 20:55

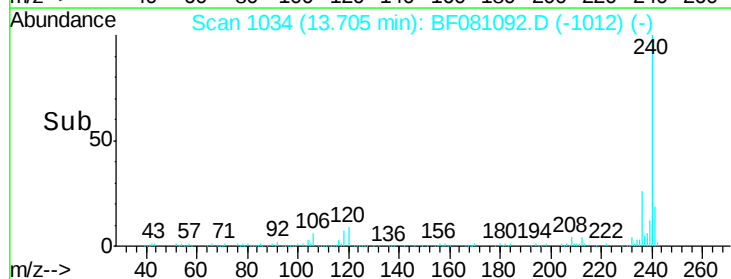
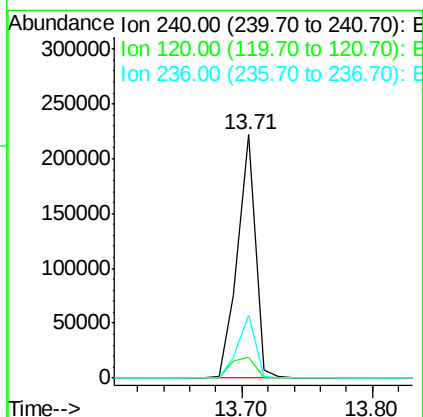
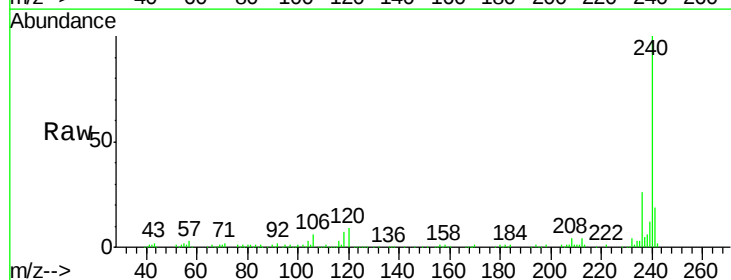
Instrument :
BNA_F
ClientSampleId :

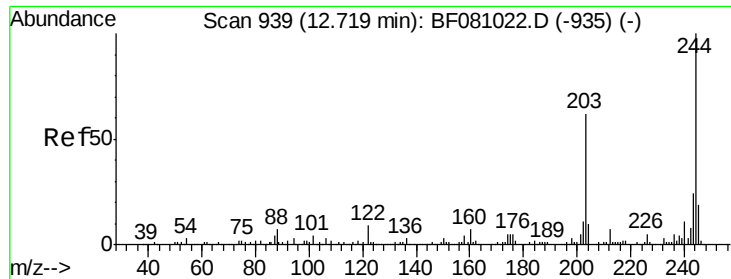
Tot Ion:188 Resp: 227434
Ion Ratio Lower Upper
188 100
94 9.0 8.2 12.2
80 9.6 9.5 14.3



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.71 min Scan# 1034
Delta R.T. -0.04 min
Lab File: BF081092.D
Acq: 19 Aug 2015 20:55

Tgt Ion:240 Resp: 211338
Ion Ratio Lower Upper
240 100
120 8.7 5.6 8.4#
236 26.0 20.6 30.8

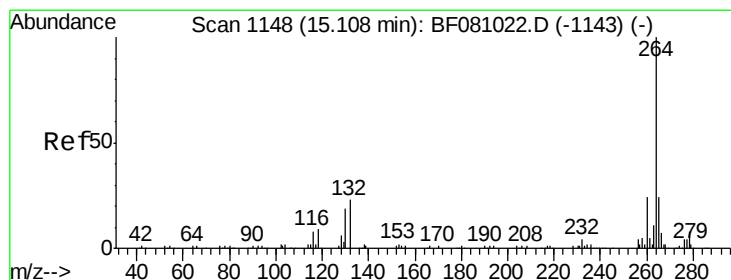
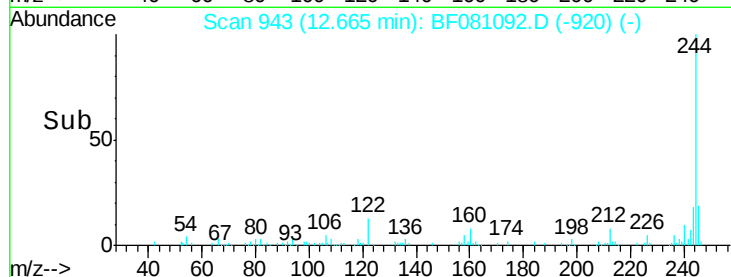
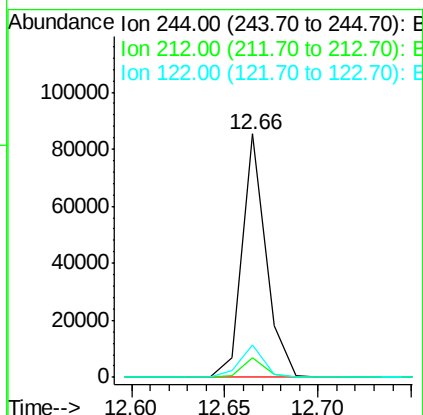
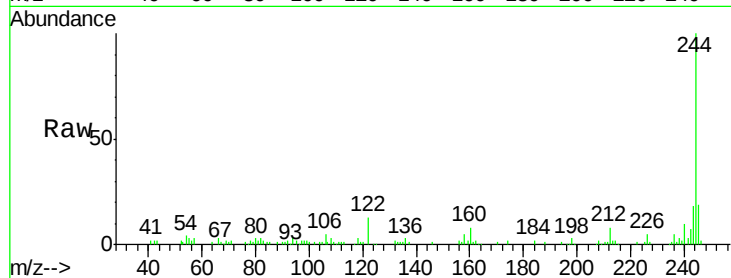




#78
 Terphenyl-d14
 Concen: 7.70 ng
 RT: 12.66 min Scan# 943
 Delta R.T. -0.04 min
 Lab File: BF081092.D
 Acq: 19 Aug 2015 20:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 75921
 Ion Ratio Lower Upper
 244 100
 212 8.2 5.8 8.8
 122 13.1 8.2 12.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.04 min Scan# 1151
 Delta R.T. -0.05 min
 Lab File: BF081092.D
 Acq: 19 Aug 2015 20:55

Tgt Ion:264 Resp: 165923
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.6 29.4
 265 21.8 17.5 26.3

