

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051316\
 Data File : BF087011.D
 Acq On : 14 May 2016 10:53
 Operator : UM/SJ
 Sample : H2947-09
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-22

Quant Time: May 16 01:04:33 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

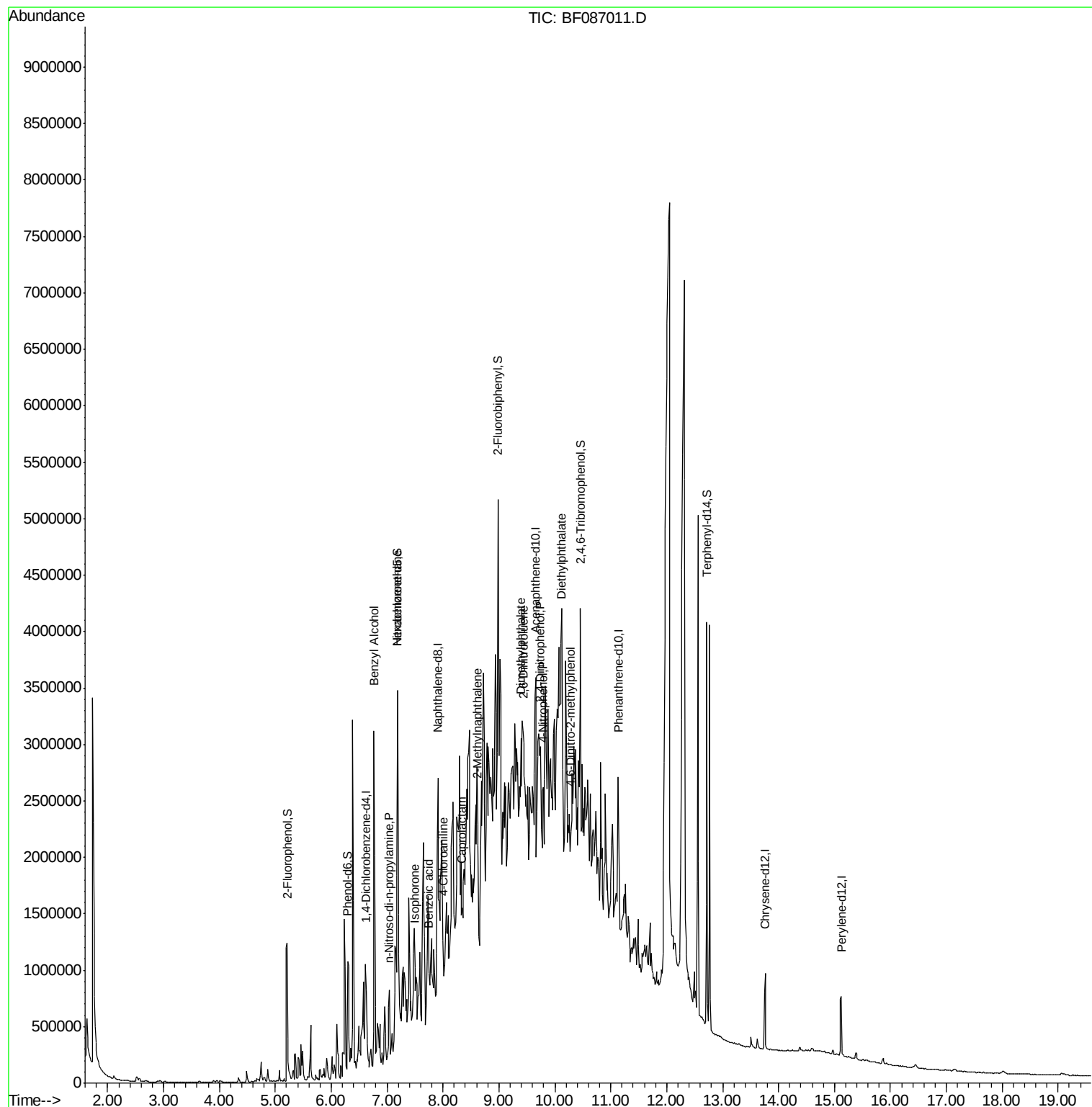
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	141551	20.00	ng	-0.08
21) Naphthalene-d8	7.91	136	516471	20.00	ng	-0.08
38) Acenaphthene-d10	9.66	164	360088	20.00	ng	-0.08
63) Phenanthrene-d10	11.13	188	408073	20.00	ng	-0.08
75) Chrysene-d12	13.76	240	304681	20.00	ng	-0.08
86) Perylene-d12	15.12	264	290905	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	530309	63.45	ng	-0.08
7) Phenol-d6	6.30	99	441500	39.52	ng	-0.07
23) Nitrobenzene-d5	7.19	82	964020	93.72	ng	-0.08
41) 2,4,6-Tribromophenol	10.46	330	353137	92.63	ng	-0.07
44) 2-Fluorobiphenyl	8.98	172	1477455	68.96	ng	-0.08
78) Terphenyl-d14	12.72	244	1064010	74.09	ng	-0.08
Target Compounds						Qvalue
15) Benzyl Alcohol	6.76	79	20403	2.65	ng	# 44
18) Hexachloroethane	7.19	117	142702	34.08	ng	# 12
19) n-Nitroso-di-n-propylamine	7.03	70	34074	4.36	ng	# 1
25) Isophorone	7.50	82	94006	4.93	ng	# 1
32) Benzoic acid	7.75	122	12478	2.68	ng	# 69
33) 4-Chloroaniline	8.00	127	32130	3.20	ng	# 62
35) Caprolactam	8.34	113	5824	2.45	ng	# 1
37) 2-Methylnaphthalene	8.62	142	63457	4.20	ng	# 85
49) Dimethylphthalate	9.39	163	155304	5.65	ng	# 78
50) 2,6-Dinitrotoluene	9.44	165	22571	3.90	ng	# 1
53) 2,4-Dinitrophenol	9.74	184	2839	8.56	ng	# 1
55) 4-Nitrophenol	9.79	139	9974	6.88	ng	# 1
59) Diethylphthalate	10.11	149	147919	5.53	ng	# 76
60) 4-Chlorophenyl-phenylether	10.19	204	14059	Below Cal		# 90
64) 4,6-Dinitro-2-methylphenol	10.28	198	5074	2.00	ng	# 1

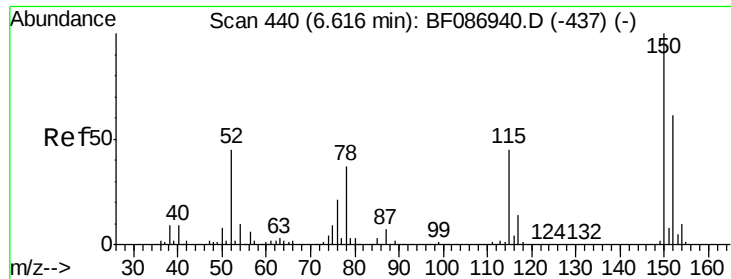
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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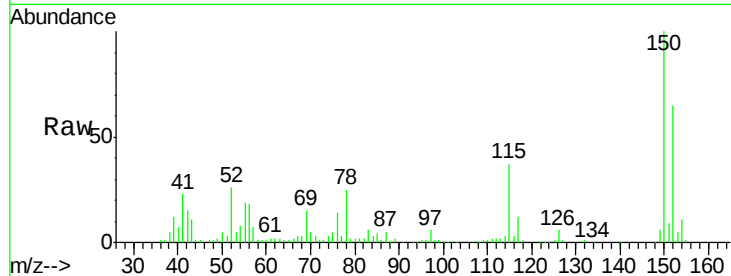




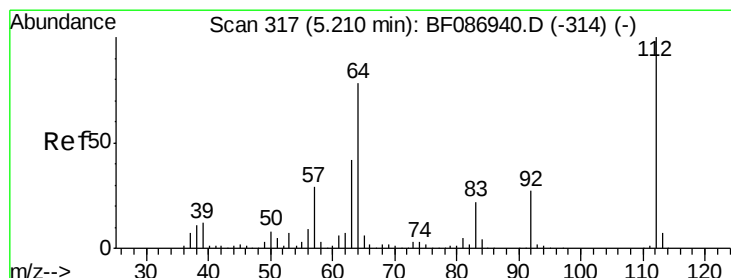
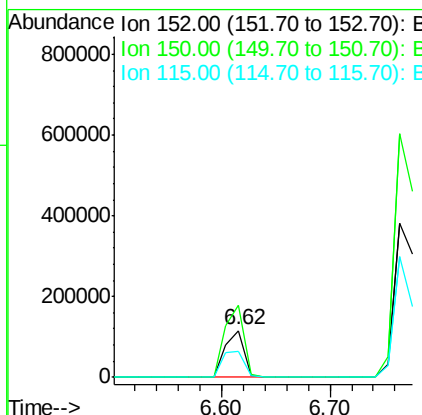
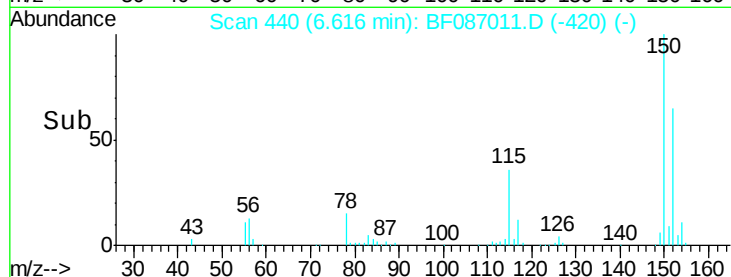
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.62 min Scan# 440
 Delta R.T. -0.08 min
 Lab File: BF087011.D
 Acq: 14 May 2016 10:53

Instrument :
 BNA_F
 ClientSampleId :
 MW-22

Tgt Ion:152 Resp: 141551
 Ion Ratio Lower Upper
 152 100
 150 152.9 125.8 188.6
 115 56.4 51.5 77.3

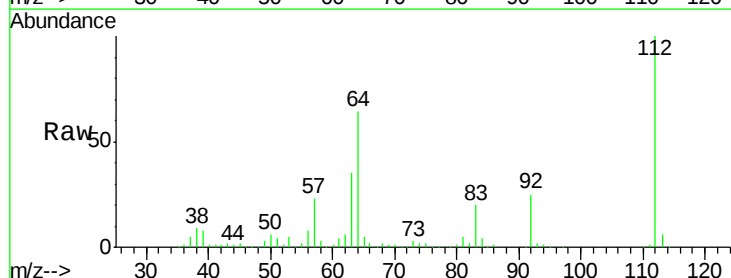


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

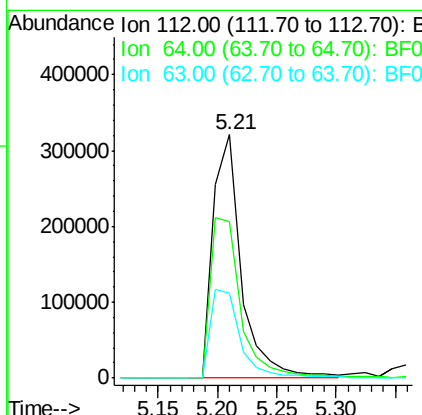
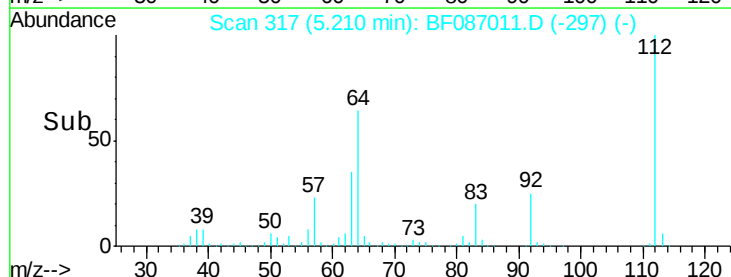


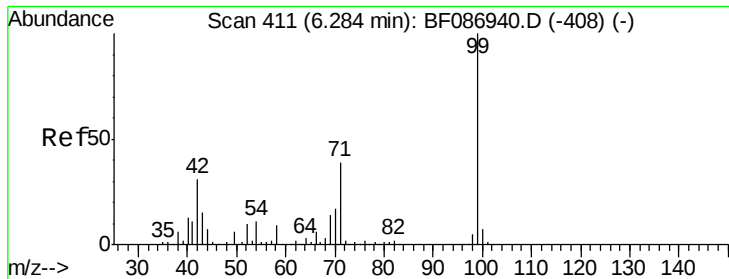
#5
 2-Fluorophenol
 Concen: 63.45 ng
 RT: 5.21 min Scan# 317
 Delta R.T. -0.08 min
 Lab File: BF087011.D
 Acq: 14 May 2016 10:53

Tgt Ion:112 Resp: 530309
 Ion Ratio Lower Upper
 112 100
 64 64.5 52.1 78.1
 63 34.7 25.7 38.5



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: 39.52 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.07 min

Lab File: BF087011.D

Acq: 14 May 2016 10:53

Instrument :

BNA_F

ClientSampleId :

MW-22

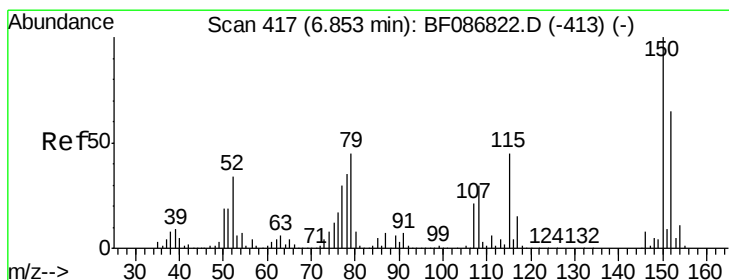
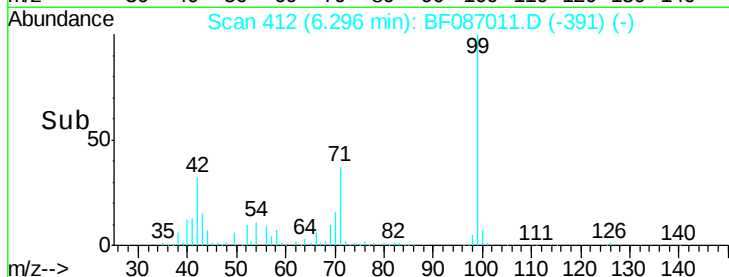
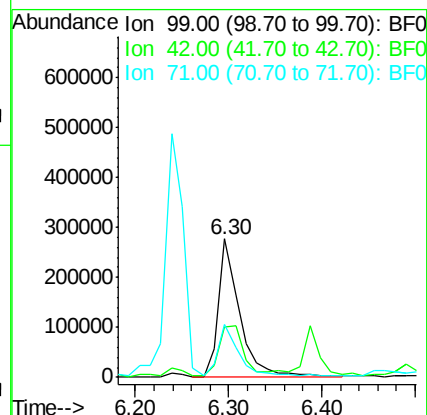
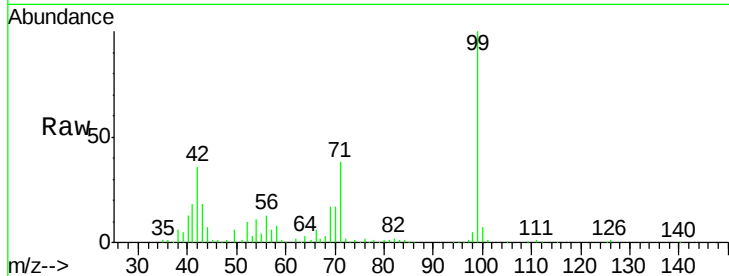
Tgt Ion: 99 Resp: 441500

Ion Ratio Lower Upper

99 100

42 36.2 13.6 20.4#

71 38.2 24.6 36.8#



#15

Benzyl Alcohol

Concen: 2.65 ng

RT: 6.76 min Scan# 453

Delta R.T. -0.09 min

Lab File: BF087011.D

Acq: 14 May 2016 10:53

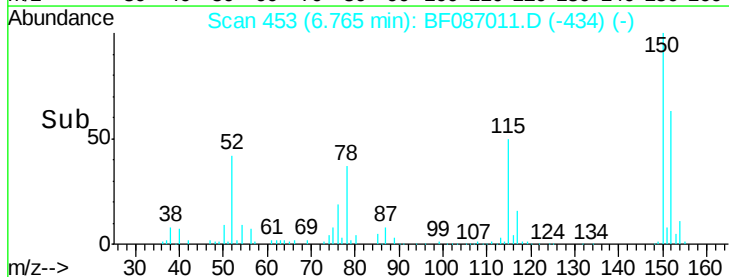
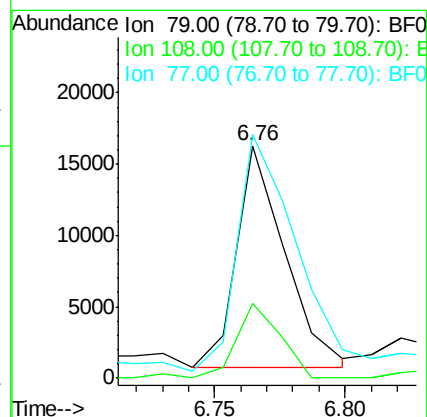
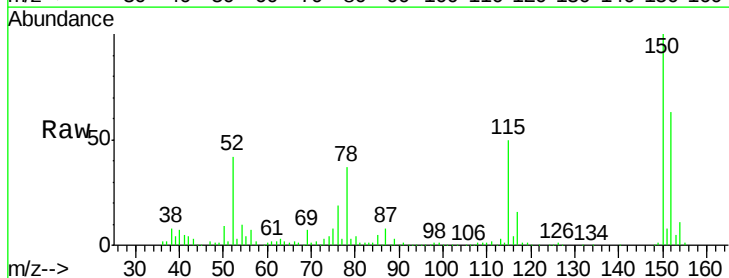
Tgt Ion: 79 Resp: 20403

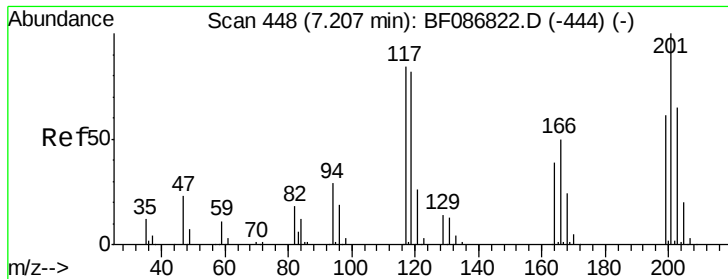
Ion Ratio Lower Upper

79 100

108 32.0 68.4 102.6#

77 104.8 50.6 76.0#

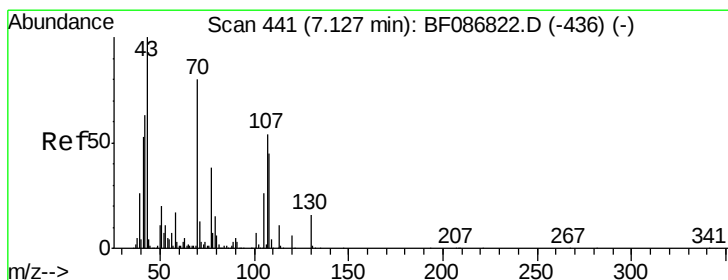
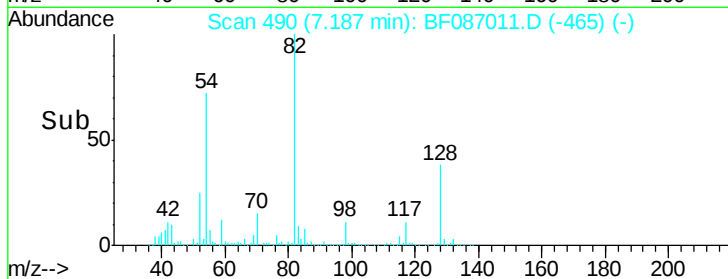
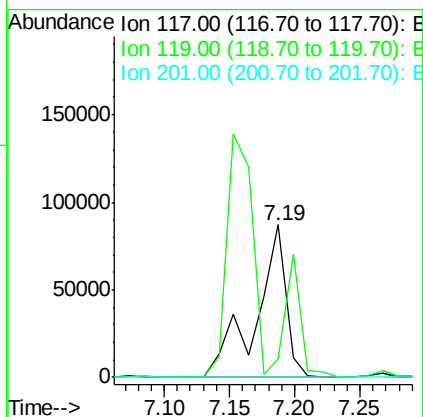
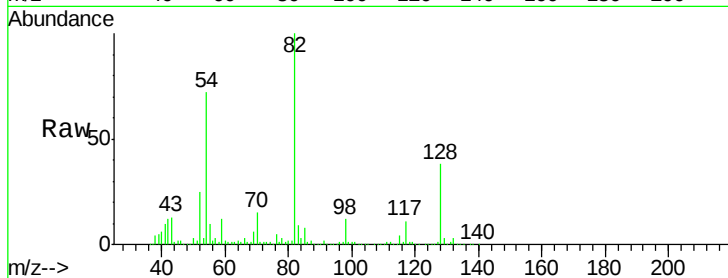




#18
Hexachloroethane
Concen: 34.08 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.02 min
Lab File: BF087011.D
Acq: 14 May 2016 10:53

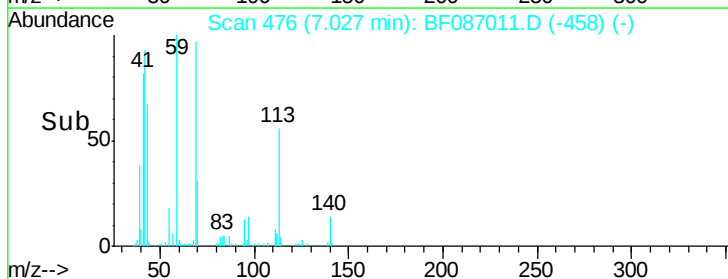
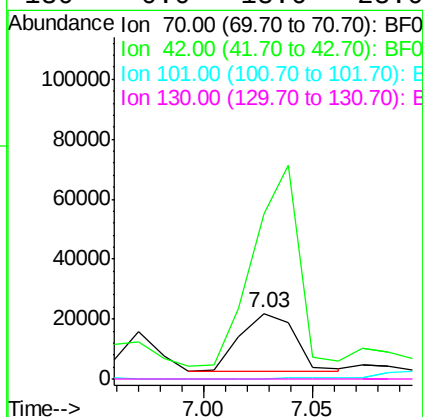
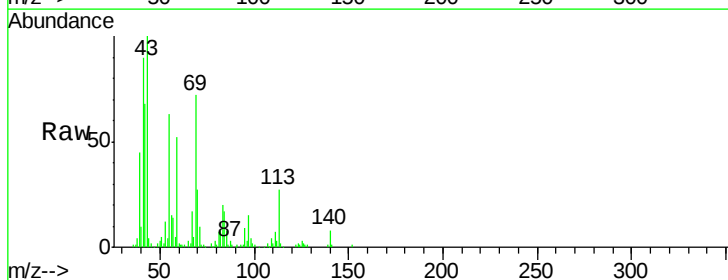
Instrument :
BNA_F
ClientSampleId :
MW-22

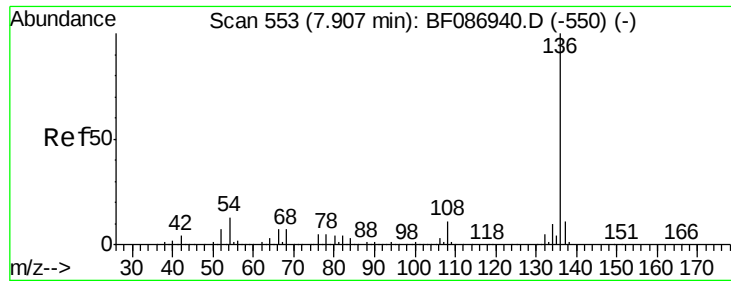
Tgt Ion: 117 Resp: 142702
Ion Ratio Lower Upper
117 100
119 11.7 76.5 114.7#
201 0.0 63.0 94.6#



#19
n-Nitroso-di-n-propylamine
Concen: 4.36 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.10 min
Lab File: BF087011.D
Acq: 14 May 2016 10:53

Tgt Ion: 70 Resp: 34074
Ion Ratio Lower Upper
70 100
42 250.8 43.1 64.7#
101 0.0 8.1 12.1#
130 0.0 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.08 min

Lab File: BF087011.D

Acq: 14 May 2016 10:53

Instrument :

BNA_F

ClientSampleId :

MW-22

Tgt Ion: 136 Resp: 516471

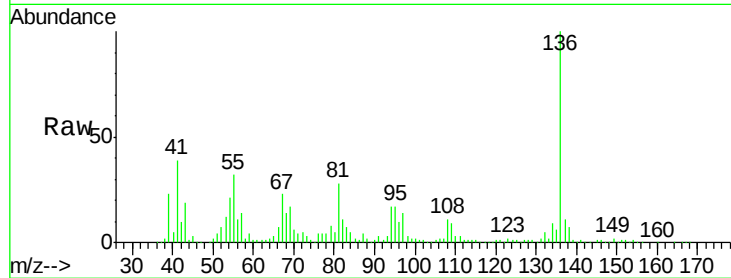
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 21.4 5.0 7.4#

68 14.0 4.4 6.6#

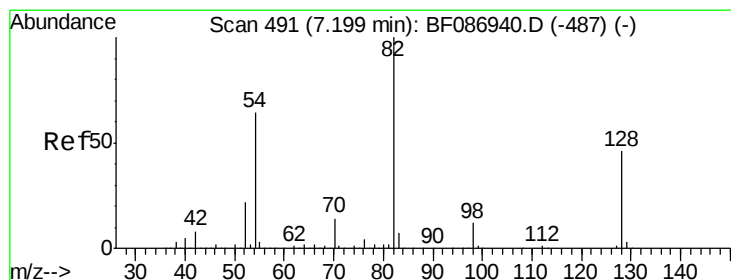
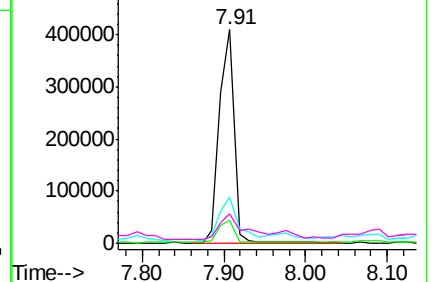
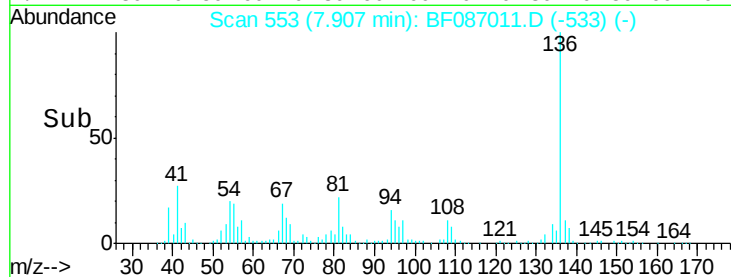


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 93.72 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.08 min

Lab File: BF087011.D

Acq: 14 May 2016 10:53

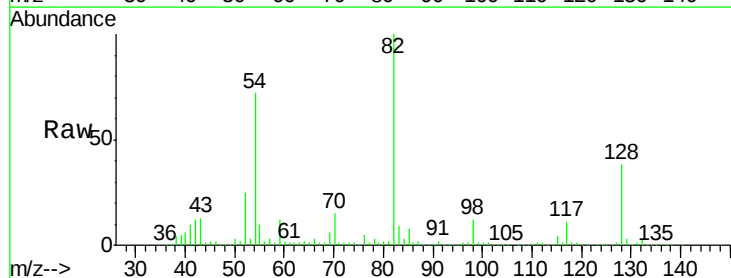
Tgt Ion: 82 Resp: 964020

Ion Ratio Lower Upper

82 100

128 37.7 40.6 61.0#

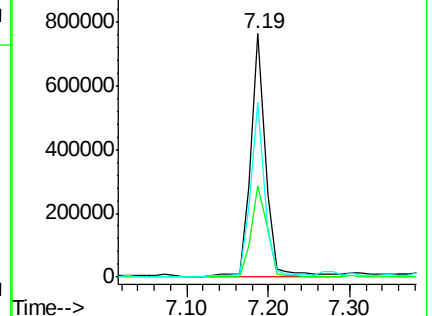
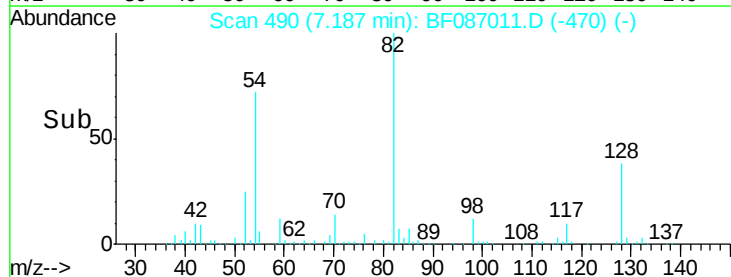
54 71.9 38.1 57.1#

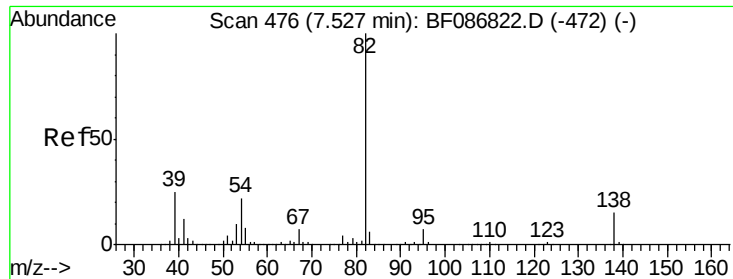


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 4.93 ng

RT: 7.50 min Scan# 517

Delta R.T. -0.03 min

Lab File: BF087011.D

Acq: 14 May 2016 10:53

Instrument :

BNA_F

ClientSampleId :

MW-22

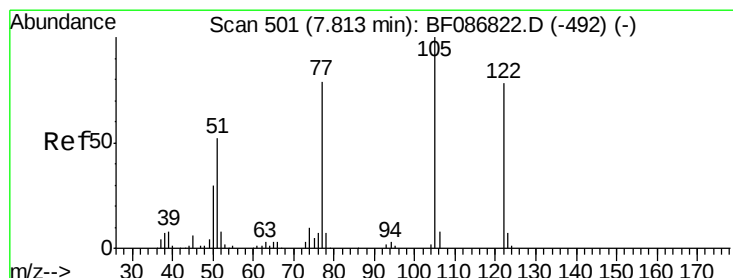
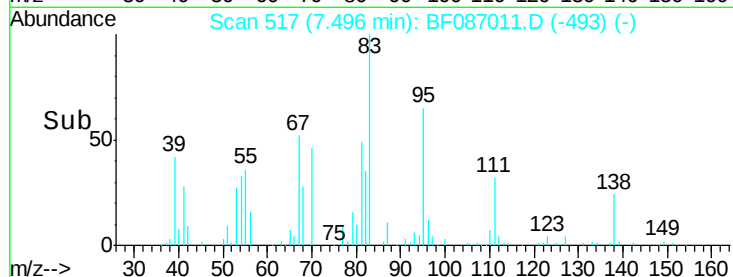
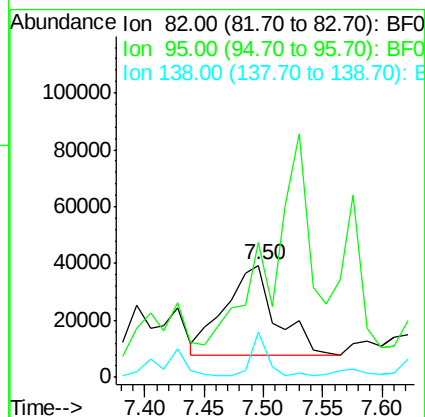
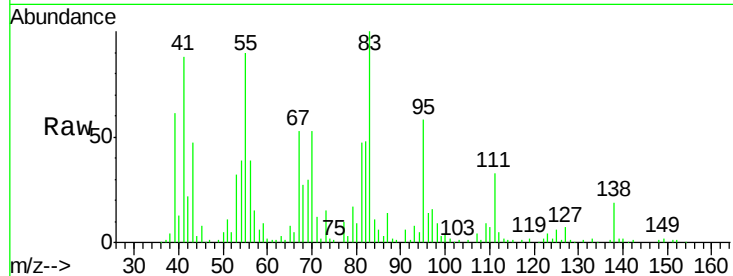
Tgt Ion: 82 Resp: 94006

Ion Ratio Lower Upper

82 100

95 120.6 5.1 7.7#

138 39.8 12.4 18.6#



#32

Benzoic acid

Concen: 2.68 ng

RT: 7.75 min Scan# 539

Delta R.T. -0.07 min

Lab File: BF087011.D

Acq: 14 May 2016 10:53

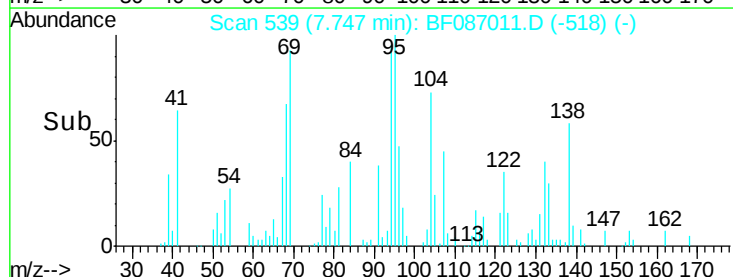
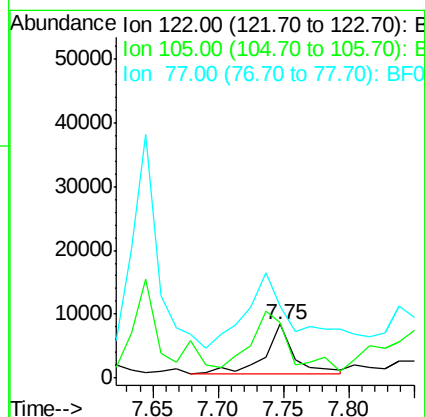
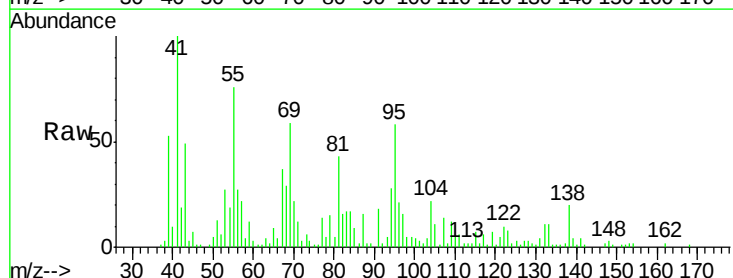
Tgt Ion: 122 Resp: 12478

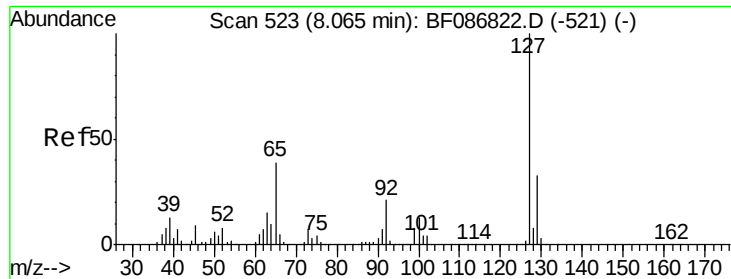
Ion Ratio Lower Upper

122 100

105 103.2 92.6 132.6

77 135.4 60.0 100.0#

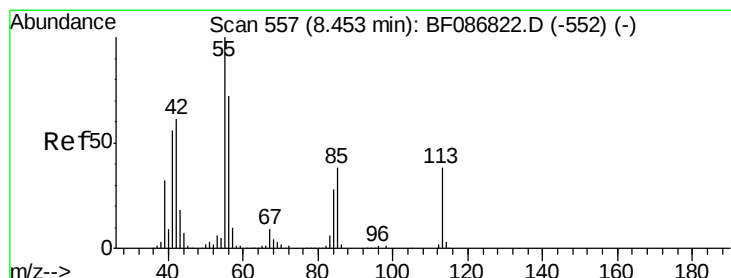
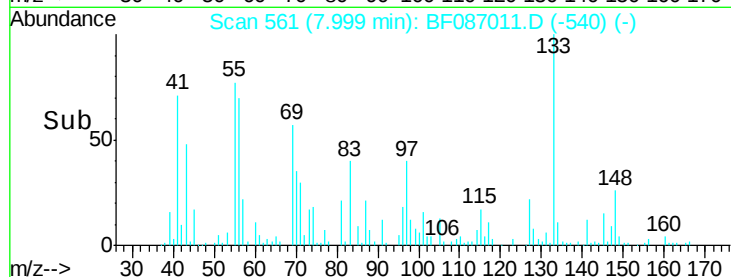
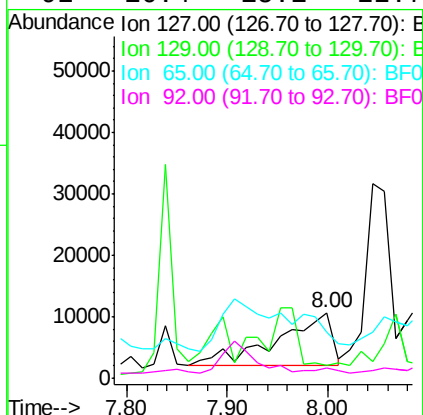
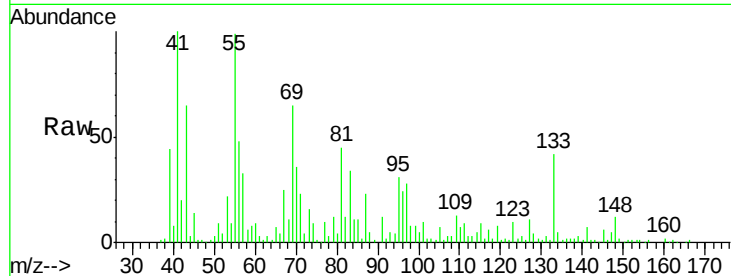




#33
4-Chloroaniline
Concen: 3.20 ng
RT: 8.00 min Scan# 561
Delta R.T. -0.07 min
Lab File: BF087011.D
Acq: 14 May 2016 10:53

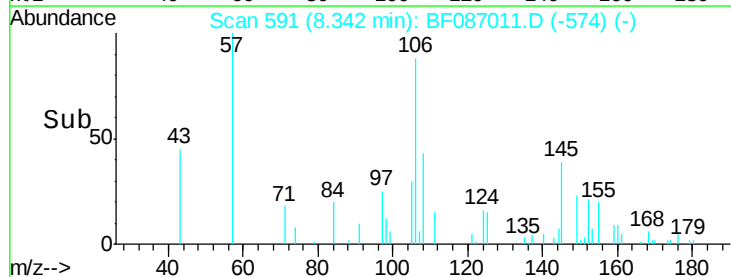
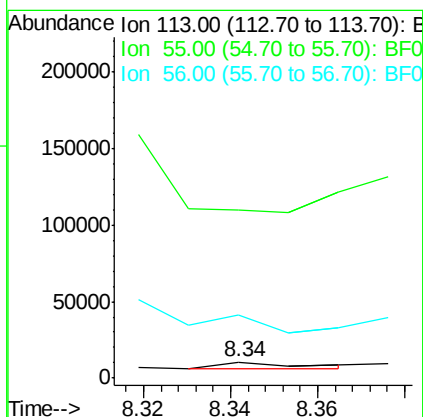
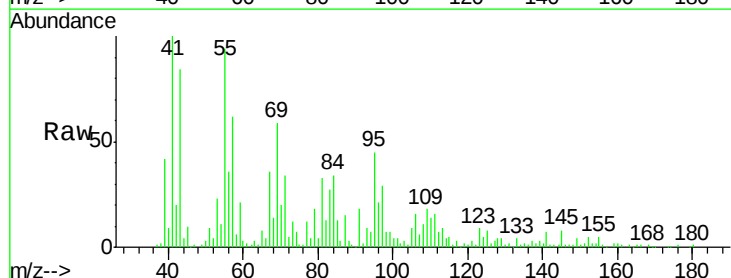
Instrument :
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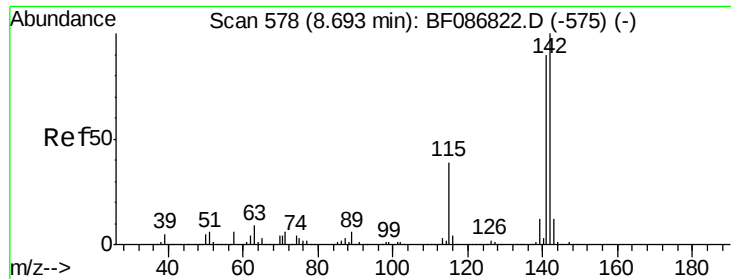
Tgt Ion:	127	Resp:	32130
Ion	Ratio	Lower	Upper
127	100		
129	20.5	26.2	39.4#
65	70.8	23.0	34.4#
92	16.4	15.1	22.7



#35
Caprolactam
Concen: 2.45 ng
RT: 8.34 min Scan# 591
Delta R.T. -0.11 min
Lab File: BF087011.D
Acq: 14 May 2016 10:53

Tgt Ion:	113	Resp:	5824
Ion	Ratio	Lower	Upper
113	100		
55	1041.7	162.0	202.0#
56	393.4	115.3	155.3#

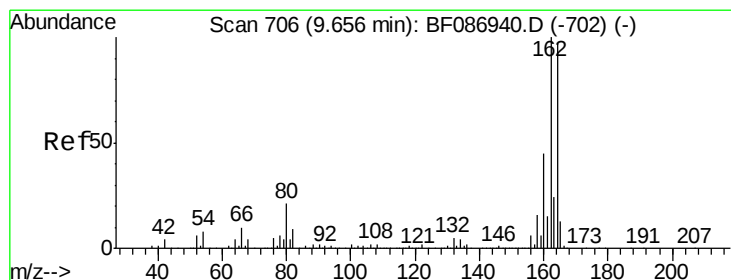
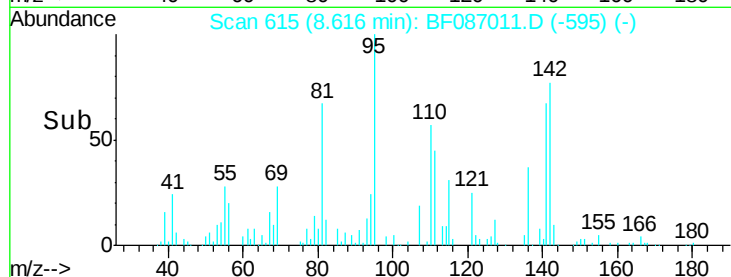
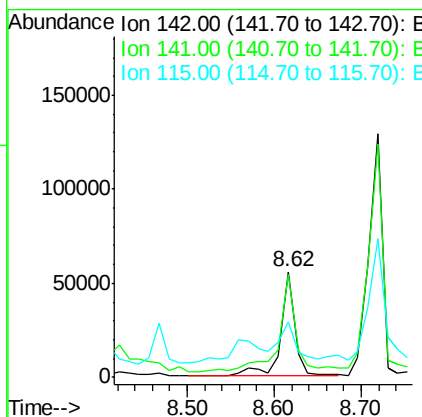
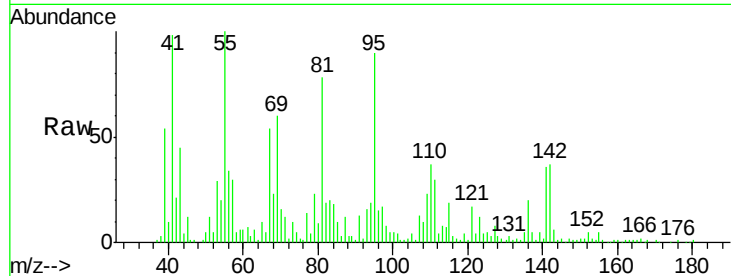




#37
 2-Methylnaphthalene
 Concen: 4.20 ng
 RT: 8.62 min Scan# 615
 Delta R.T. -0.08 min
 Lab File: BF087011.D
 Acq: 14 May 2016 10:53

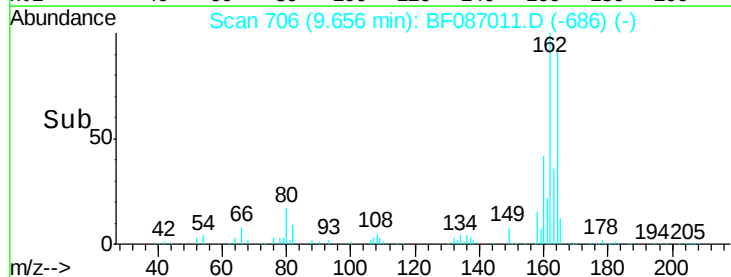
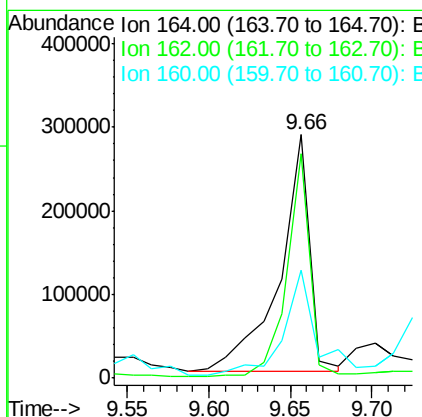
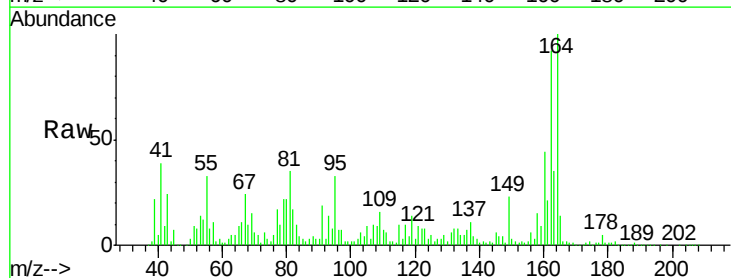
Instrument :
 BNA_F
 ClientSampled :
 MW-22

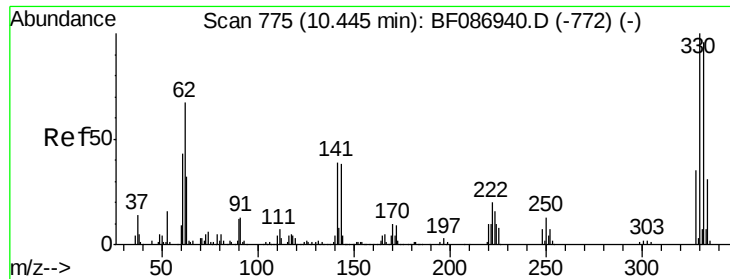
Tgt Ion:142 Resp: 63457
 Ion Ratio Lower Upper
 142 100
 141 96.7 71.0 106.6
 115 52.2 26.6 39.8#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.08 min
 Lab File: BF087011.D
 Acq: 14 May 2016 10:53

Tgt Ion:164 Resp: 360088
 Ion Ratio Lower Upper
 164 100
 162 92.2 82.8 124.2
 160 44.1 36.9 55.3

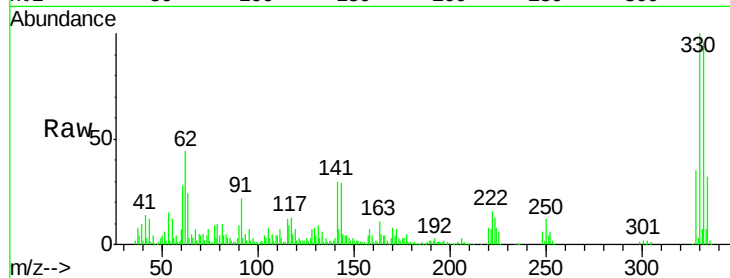




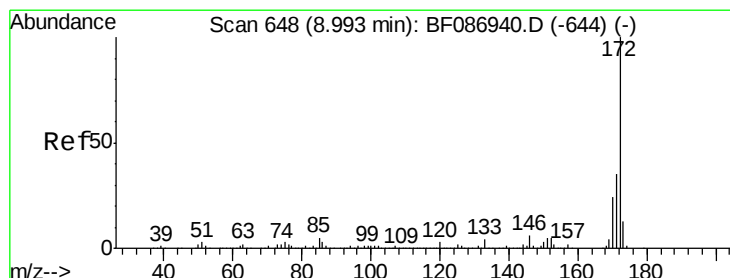
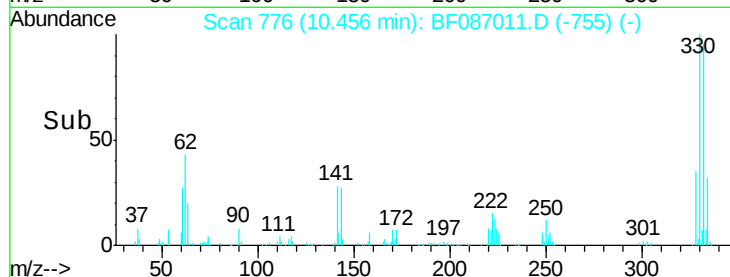
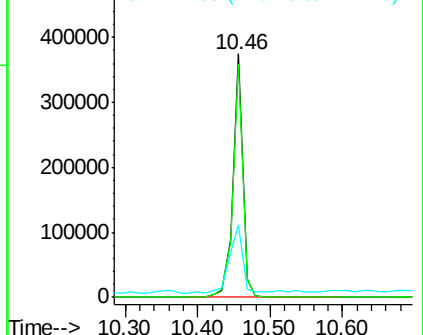
#41
 2,4,6-Tribromophenol
 Concen: 92.63 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.07 min
 Lab File: BF087011.D
 Acq: 14 May 2016 10:53

Instrument :
 BNA_F
 ClientSampled :
 MW-22

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	79.0	118.4
141	36.0	31.2	46.8

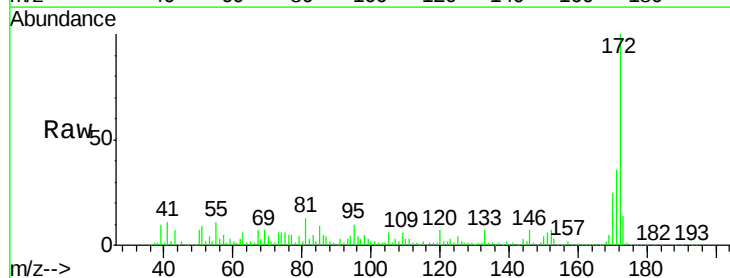


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

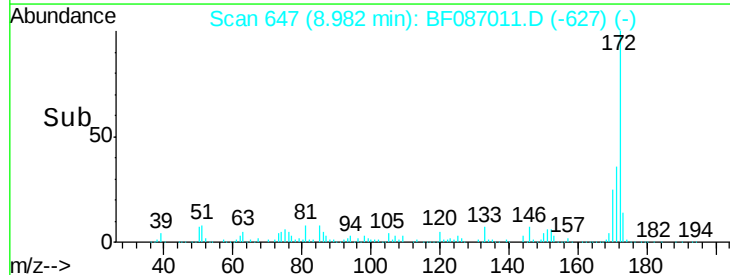
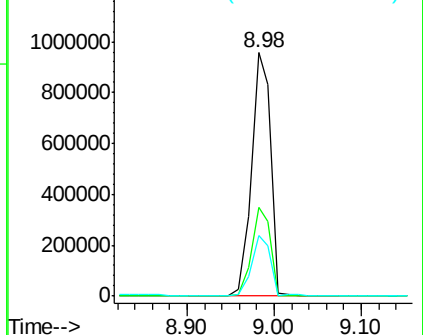


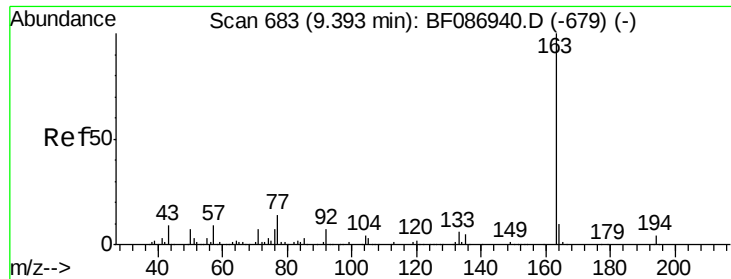
#44
 2-Fluorobiphenyl
 Concen: 68.96 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087011.D
 Acq: 14 May 2016 10:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.6
170	24.7	19.8	29.8



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: 5.65 ng

RT: 9.39 min Scan# 683

Delta R.T. -0.08 min

Lab File: BF087011.D

Acq: 14 May 2016 10:53

Instrument :

BNA_F

ClientSampleId :

MW-22

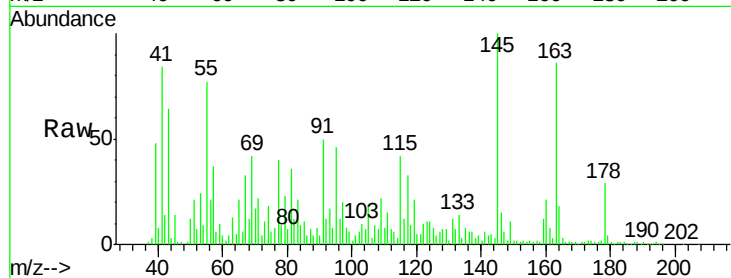
Tgt Ion:163 Resp: 155304

Ion Ratio Lower Upper

163 100

194 1.7 2.6 4.0#

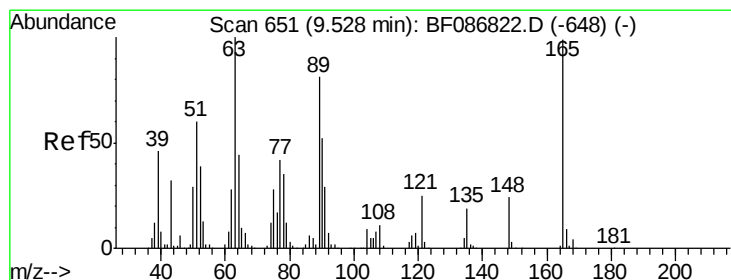
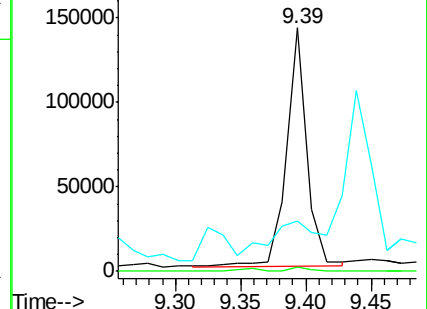
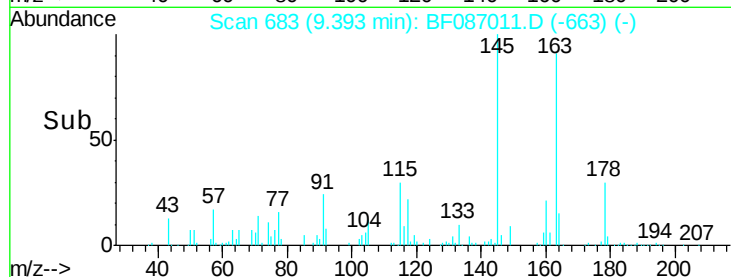
164 20.5 8.2 12.4#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 3.90 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.09 min

Lab File: BF087011.D

Acq: 14 May 2016 10:53

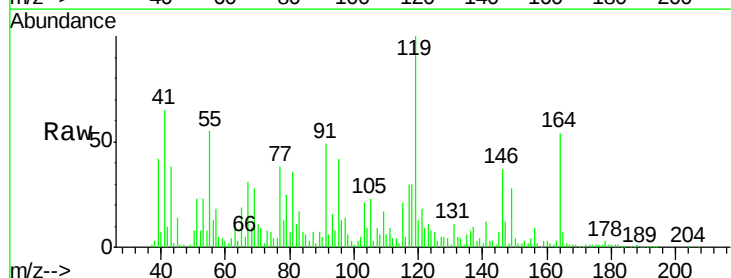
Tgt Ion:165 Resp: 22571

Ion Ratio Lower Upper

165 100

63 190.1 51.8 77.8#

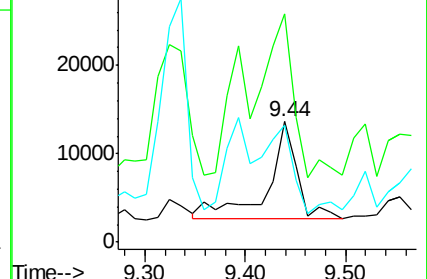
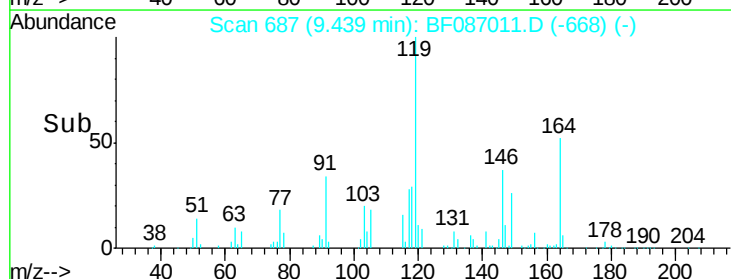
89 97.5 50.7 76.1#

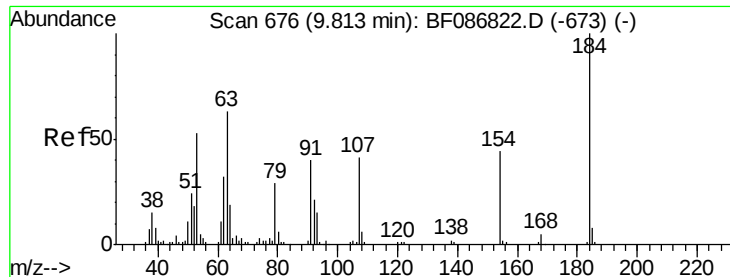


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

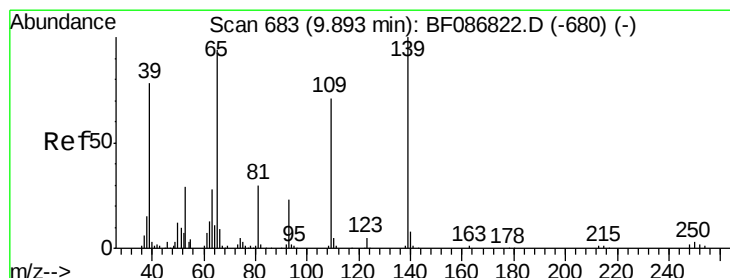
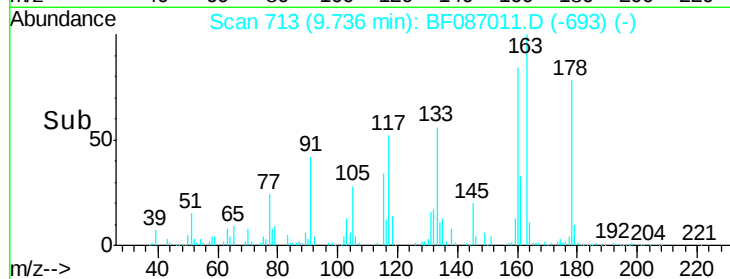
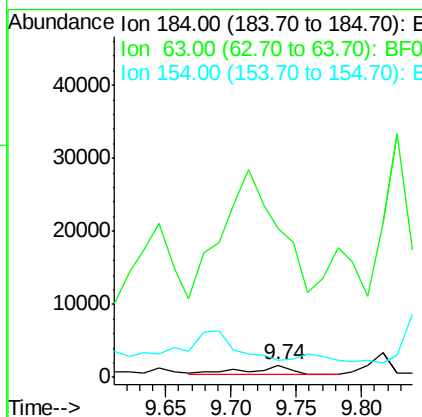
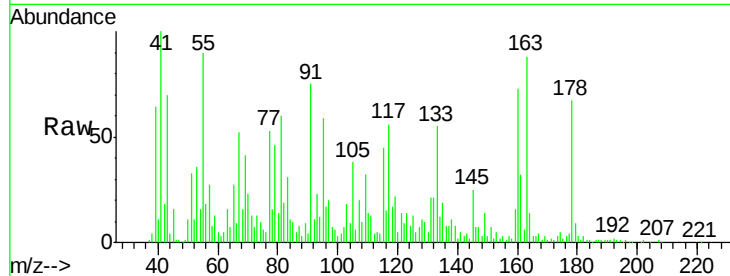




#53
 2,4-Dinitrophenol
 Concen: 8.56 ng
 RT: 9.74 min Scan# 713
 Delta R.T. -0.08 min
 Lab File: BF087011.D
 Acq: 14 May 2016 10:53

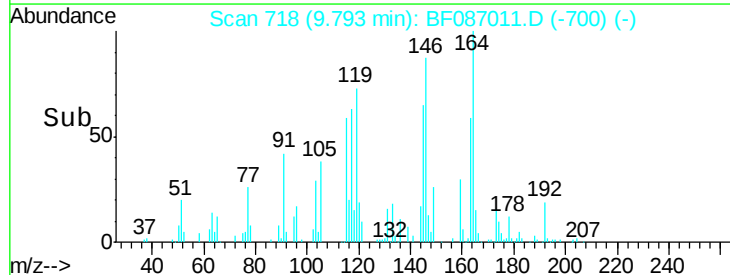
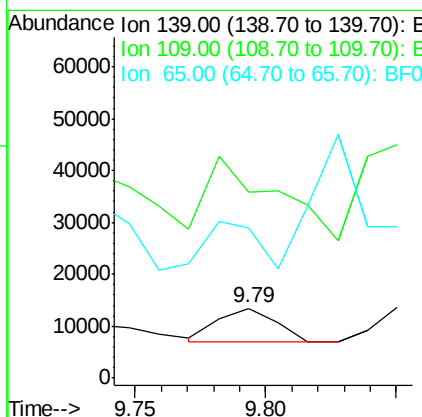
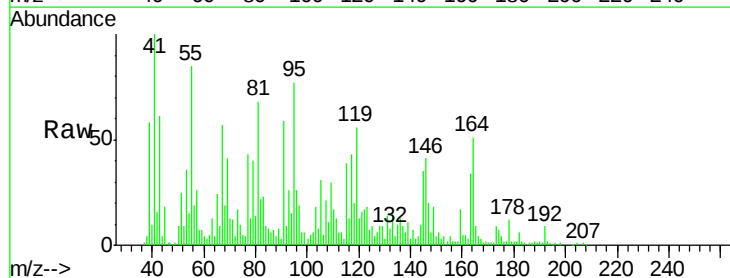
Instrument :
 BNA_F
 ClientSampleId :
 MW-22

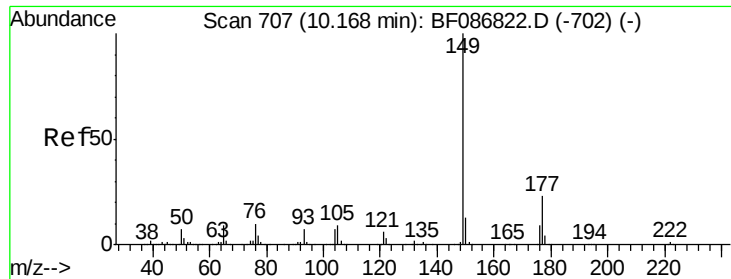
Tgt Ion:184 Resp: 2839
 Ion Ratio Lower Upper
 184 100
 63 1239.1 55.8 83.8#
 154 140.2 62.4 93.6#



#55
 4-Nitrophenol
 Concen: 6.88 ng
 RT: 9.79 min Scan# 718
 Delta R.T. -0.10 min
 Lab File: BF087011.D
 Acq: 14 May 2016 10:53

Tgt Ion:139 Resp: 9974
 Ion Ratio Lower Upper
 139 100
 109 265.9 36.9 76.9#
 65 215.0 64.0 104.0#

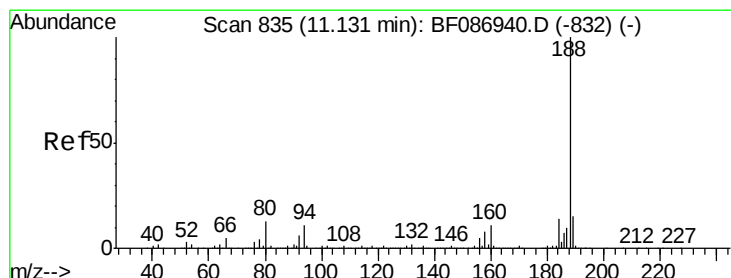
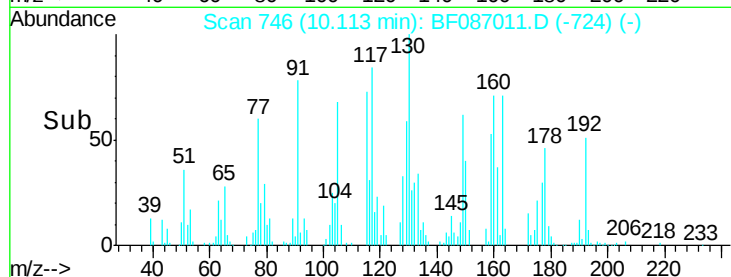
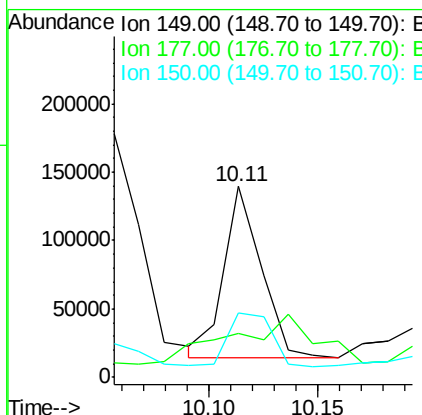
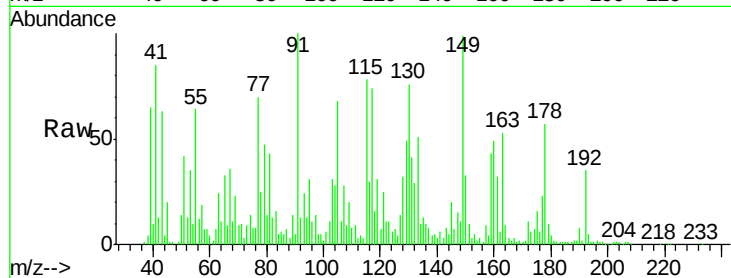




#59
Diethylphthalate
Concen: 5.53 ng
RT: 10.11 min Scan# 746
Delta R.T. -0.05 min
Lab File: BF087011.D
Acq: 14 May 2016 10:53

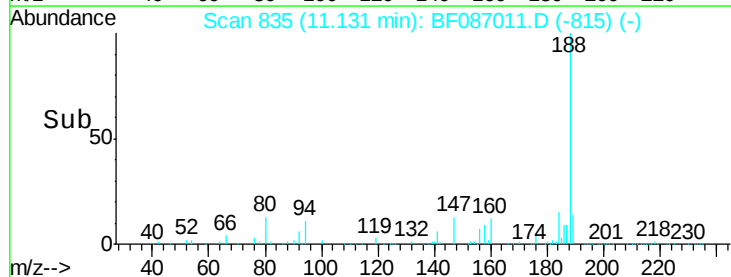
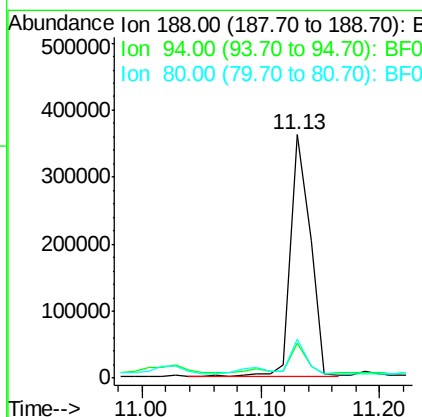
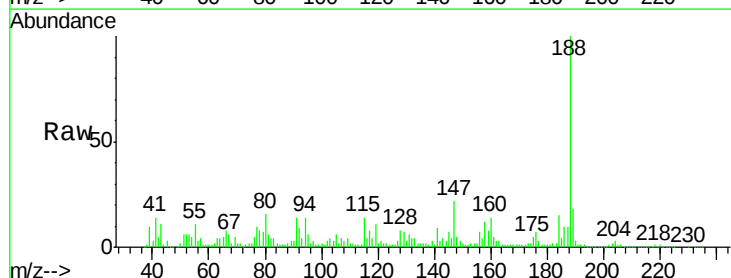
Instrument :
BNA_F
ClientSampleId :
MW-22

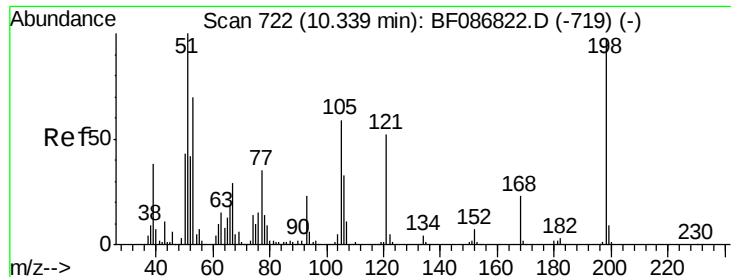
Tgt Ion:149 Resp: 147919
Ion Ratio Lower Upper
149 100
177 23.2 16.6 24.8
150 33.6 10.0 15.0#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.08 min
Lab File: BF087011.D
Acq: 14 May 2016 10:53

Tgt Ion:188 Resp: 408073
Ion Ratio Lower Upper
188 100
94 14.3 6.8 10.2#
80 16.0 7.1 10.7#





#64

4,6-Dinitro-2-methylphenol

Concen: 2.00 ng

RT: 10.28 min Scan# 761

Delta R.T. -0.05 min

Lab File: BF087011.D

Acq: 14 May 2016 10:53

Instrument :

BNA_F

ClientSampled :

MW-22

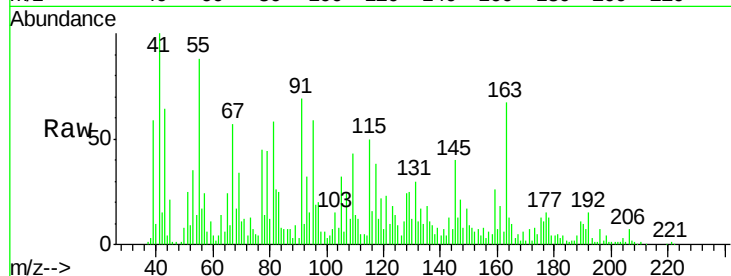
Tgt Ion:198 Resp: 5074

Ion Ratio Lower Upper

198 100

51 590.9 20.5 60.5#

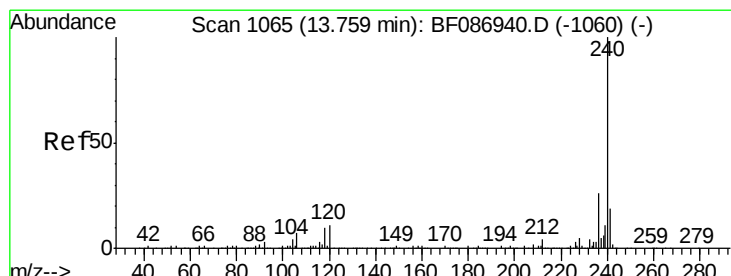
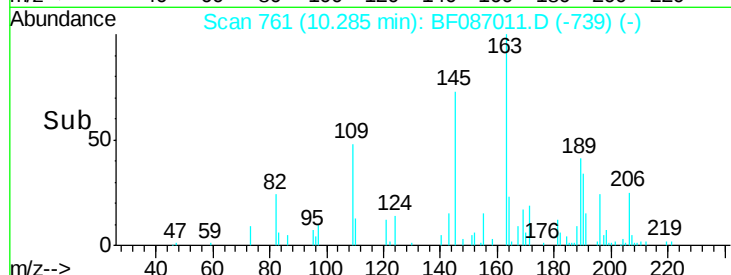
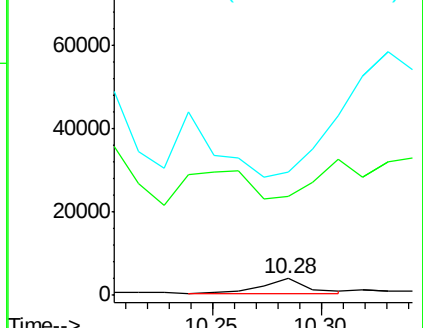
105 738.9 24.5 64.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.08 min

Lab File: BF087011.D

Acq: 14 May 2016 10:53

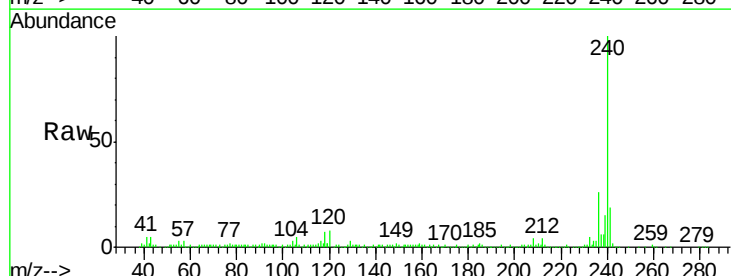
Tgt Ion:240 Resp: 304681

Ion Ratio Lower Upper

240 100

120 7.9 11.2 16.8#

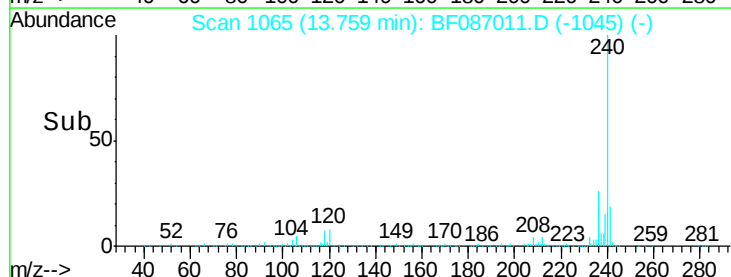
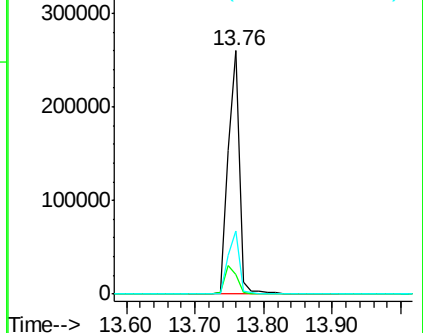
236 26.2 21.2 31.8

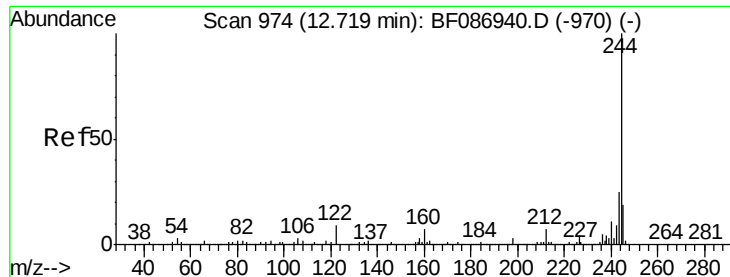


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 74.09 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.08 min

Lab File: BF087011.D

Acq: 14 May 2016 10:53

Instrument :

BNA_F

ClientSampleId :

MW-22

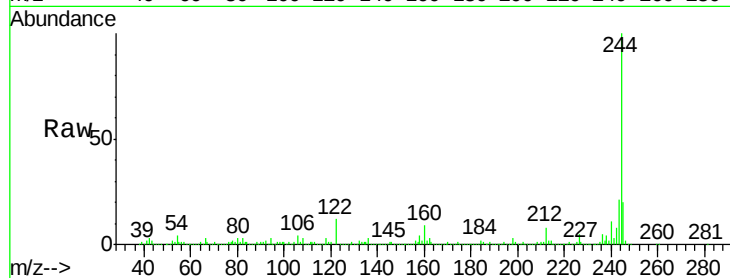
Tgt Ion:244 Resp: 1064010

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

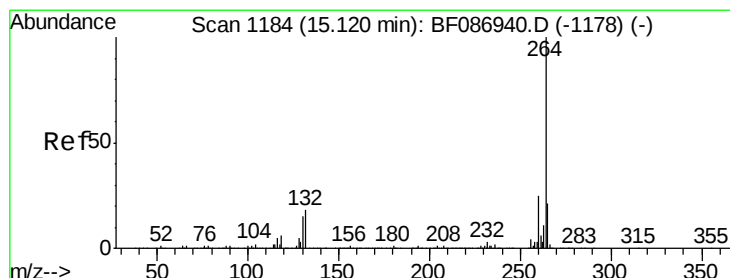
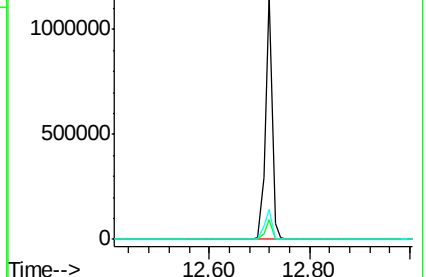
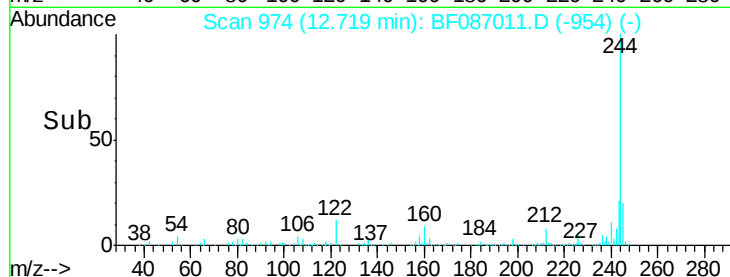
122 12.5 12.0 18.0



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.12 min Scan# 1184

Delta R.T. -0.09 min

Lab File: BF087011.D

Acq: 14 May 2016 10:53

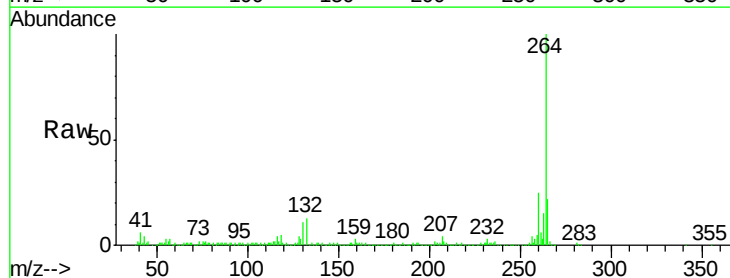
Tgt Ion:264 Resp: 290905

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

265 22.2 17.3 25.9



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

