

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\
 Data File : BF087913.D
 Acq On : 11 Jun 2016 20:33
 Operator : UM/SJ
 Sample : H3446-01MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-50-060616MS

Quant Time: Jun 12 05:31:26 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	308817	20.00	ng	0.11
21) Naphthalene-d8	8.41	136	245	20.00	ng	0.29
38) Acenaphthene-d10	10.30	164	6301	20.00	ng	0.41
63) Phenanthrene-d10	0.00	188	0	0.00	ng	-11.36
75) Chrysene-d12	0.00	240	0	0.00	ng	-13.99
86) Perylene-d12	15.29	264	433	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	748473	41.43	ng	-0.02
7) Phenol-d6	6.44	99	906845	41.42	ng	-0.03
23) Nitrobenzene-d5	7.63	82	660204	157355.29	ng	0.22
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
78) Terphenyl-d14	12.91	244	1107171	0.00	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	2.52	88	86752	9.88	ng	# 87
3) Pyridine	3.20	79	210256	10.15	ng	94
4) n-Nitrosodimethylamine	3.12	42	111176	12.67	ng	91
6) Aniline	6.55	93	339063	10.88	ng	# 57
8) 2-Chlorophenol	6.59	128	332615	15.56	ng	86
10) Phenol	6.46	94	330484	12.84	ng	89
11) bis(2-Chloroethyl)ether	6.55	93	339149	17.67	ng	87
12) 1,3-Dichlorobenzene	6.97	146	289232	12.61	ng	96
13) 1,4-Dichlorobenzene	6.97	146	289232	12.52	ng	94
14) 1,2-Dichlorobenzene	6.97	146	289232	13.76	ng	# 90
15) Benzyl Alcohol	6.95	79	268250	15.66	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.10	45	404706	15.60	ng	90
17) 2-Methylphenol	7.07	107	283148	16.33	ng	97
19) n-Nitroso-di-n-propylamine	7.37	70	84362	6.02	ng	# 72
20) 3+4-Methylphenols	7.22	107	321762	15.90	ng	# 83
22) Acetophenone	7.76	105	11899	2173.28	ng	# 1
24) Nitrobenzene	7.63	77	21488	5287.23	ng	# 76
27) 2,4-Dimethylphenol	7.88	122	226185	56427.59	ng	# 9
30) 1,2,4-Trichlorobenzene	8.26	180	1947	534.27	ng	93
31) Naphthalene	8.17	128	8263	681.53	ng	# 1
32) Benzoic acid	8.24	122	6149	2785.86	ng	# 5
33) 4-Chloroaniline	8.66	127	925	170.85	ng	# 1
35) Caprolactam	8.90	113	14398	12987.91	ng	# 1
36) 4-Chloro-3-methylphenol	8.97	107	21404	5980.15	ng	# 13
37) 2-Methylnaphthalene	8.90	142	631871	79070.51	ng	# 94
42) 2,4,6-Trichlorophenol	9.28	196	2543	20.18	ng	96
45) 1,1'-Biphenyl	9.88	154	771527	1885.02	ng	# 14
46) 2-Chloronaphthalene	9.77	162	943	2.31	ng	# 36
47) 2-Nitroaniline	9.79	65	57742	480.06	ng	# 74
48) Acenaphthylene	9.88	152	337937	521.06	ng	# 1
49) Dimethylphthalate	10.00	163	236556	518.27	ng	# 96
50) 2,6-Dinitrotoluene	10.04	165	270447	2587.27	ng	# 79
51) Acenaphthene	10.51	154	16725	41.34	ng	# 27
52) 3-Nitroaniline	10.42	138	177257	1469.58	ng	# 27

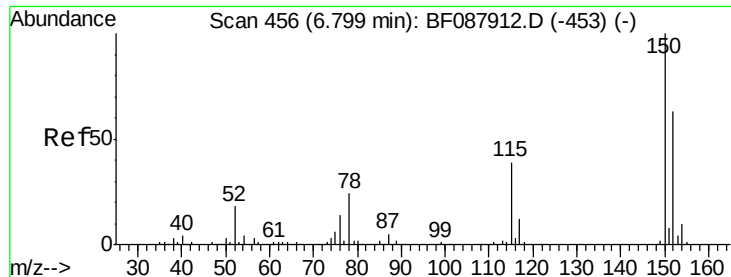
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\
 Data File : BF087913.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) 2,4-Dinitrophenol	10.55	184	1520	32.45	nq	# 1
54) Dibenzofuran	10.51	168	454959	816.51	nq	# 1
55) 4-Nitrophenol	10.40	139	100634	1074.95	nq	# 22
56) 2,4-Dinitrotoluene	10.40	165	725792	5402.82	nq	# 40
57) Fluorene	10.64	166	13790	35.62	nq	# 86
61) 4-Nitroaniline	10.88	138	1542	13.48	nq	# 1
62) Azobenzene	10.88	77	134997	295.48	nq	# 53
87) Benzo(b)fluoranthene	15.01	252	1497264	49611.67	nq	# 96
88) Benzo(k)fluoranthene	15.01	252	1498642	65828.31	nq	99
89) Benzo(a)pvrene	15.01	252	747848	30627.91	nq	98
90) Dibenzo(a,h)anthracene	16.77	278	590983	26059.55	nq	98
91) Benzo(a,h,i)perylene	17.17	276	619218	26543.84	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.96 min Scan# 470

Delta R.T. 0.11 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MS

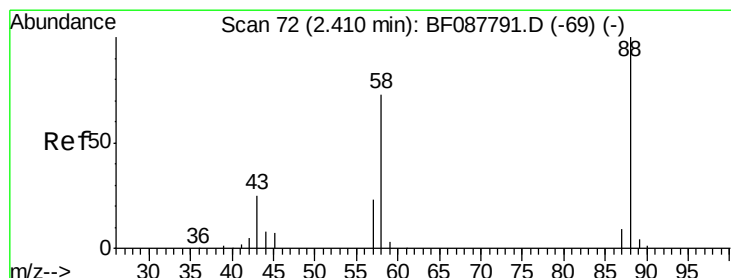
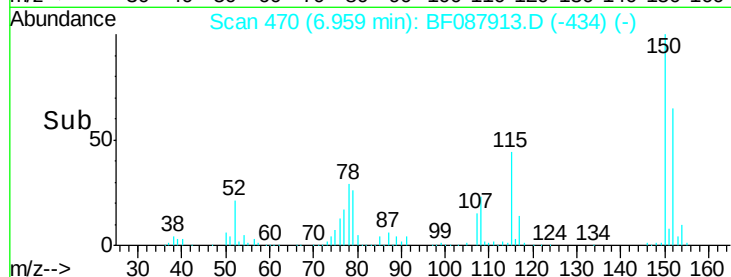
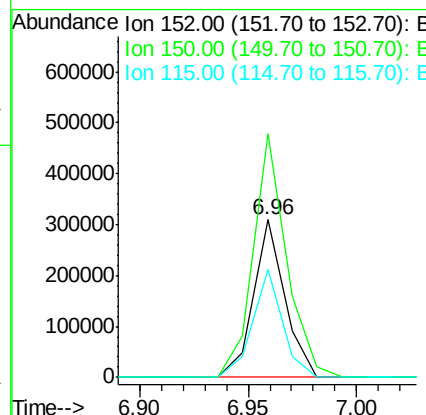
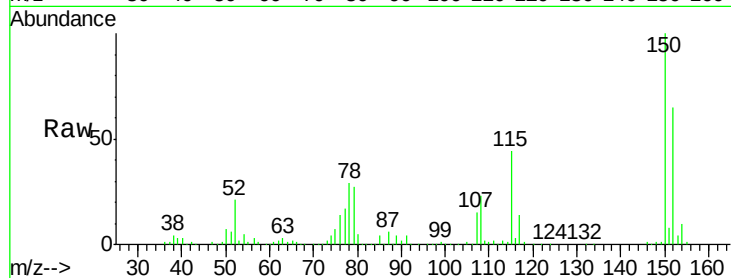
Tot Ion:152 Resp: 308817

Ion Ratio Lower Upper

152 100

150 154.8 123.8 185.6

115 68.2 39.6 59.4#



#2

1,4-Dioxane

Concen: 9.88 ng

RT: 2.52 min Scan# 82

Delta R.T. 0.11 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

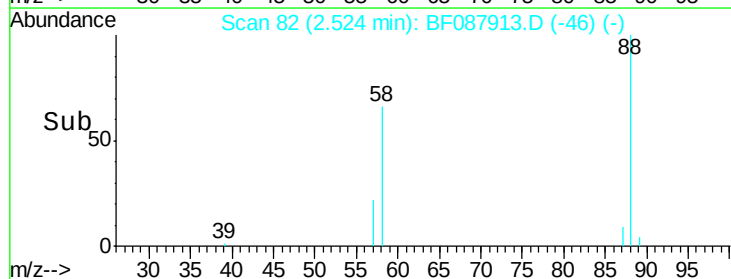
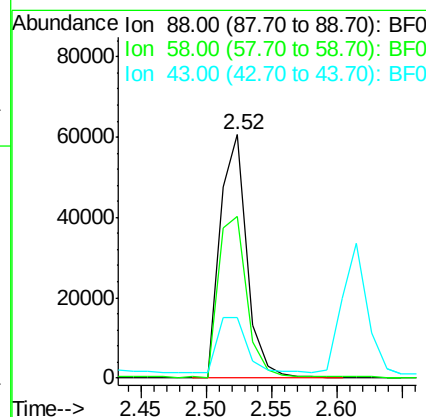
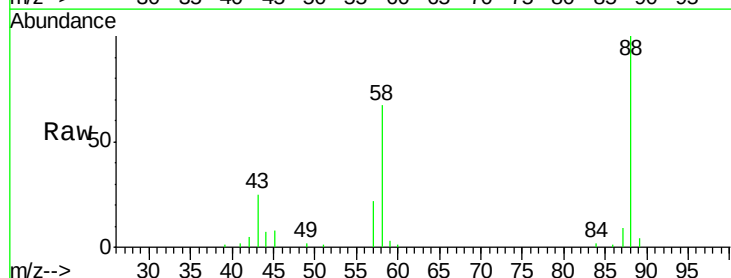
Tgt Ion: 88 Resp: 86752

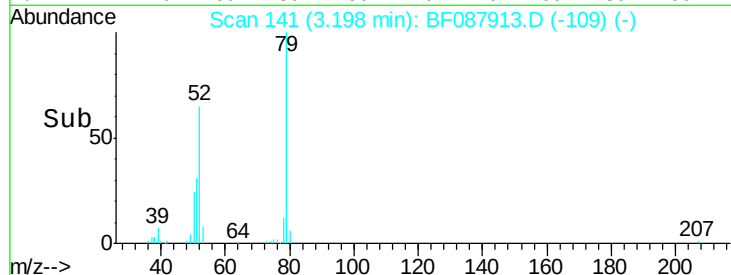
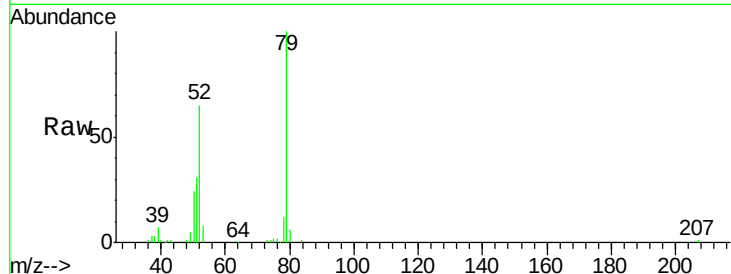
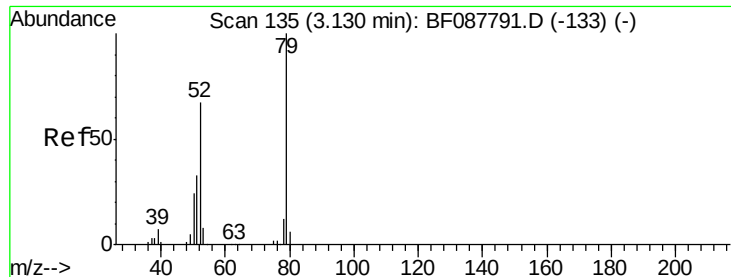
Ion Ratio Lower Upper

88 100

58 72.2 0.0 0.0#

43 0.0 3.4 5.2#

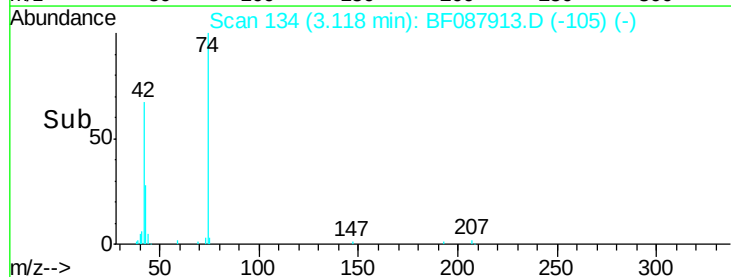
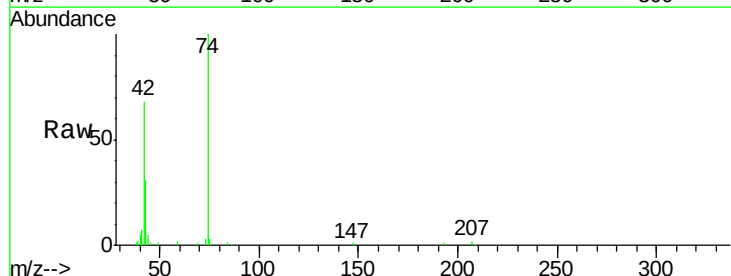
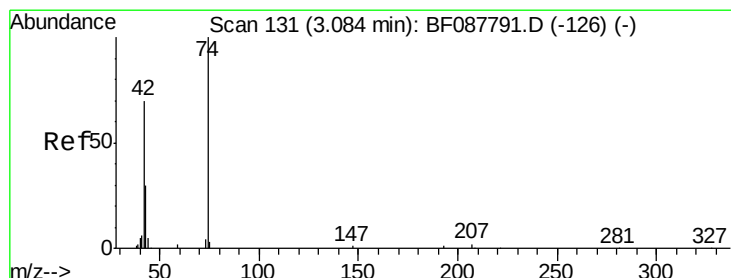
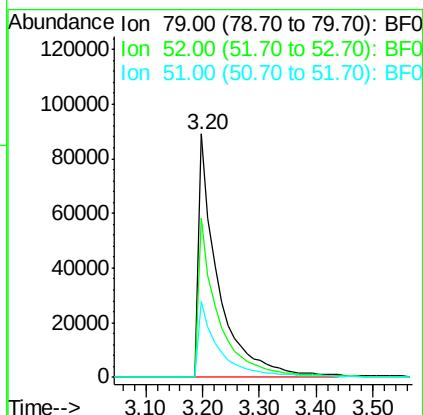




#3
 Pvridine
 Concen: 10.15 ng
 RT: 3.20 min Scan# 141
 Delta R.T. 0.07 min
 Lab File: BF087913.D
 Acq: 11 Jun 2016 20:33

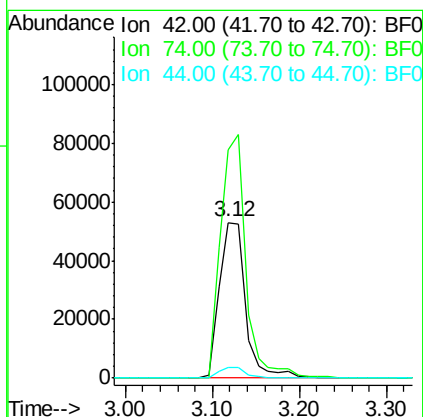
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-50-060616MS

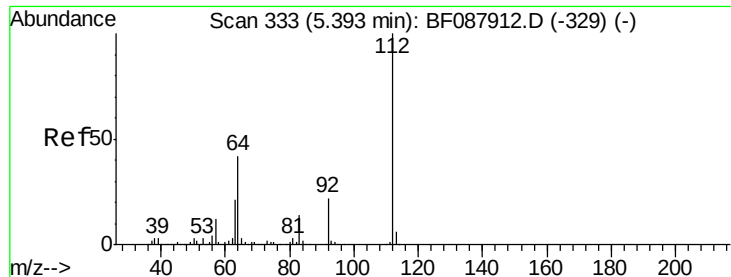
Tot Ion: 79 Resp: 210256
 Ion Ratio Lower Upper
 79 100
 52 65.4 56.3 84.5
 51 31.4 27.4 41.2



#4
 n-Nitrosodimethylamine
 Concen: 12.67 ng
 RT: 3.12 min Scan# 134
 Delta R.T. 0.03 min
 Lab File: BF087913.D
 Acq: 11 Jun 2016 20:33

Tgt Ion: 42 Resp: 111176
 Ion Ratio Lower Upper
 42 100
 74 147.1 108.6 163.0
 44 7.1 5.5 8.3





#5

2-Fluorophenol

Concen: 41.43 ng

RT: 5.40 min Scan# 334

Delta R.T. -0.02 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MS

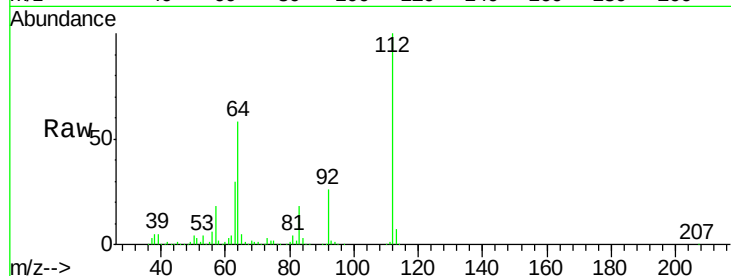
Tot Ion:112 Resp: 748473

Ion Ratio Lower Upper

112 100

64 58.4 42.2 63.2

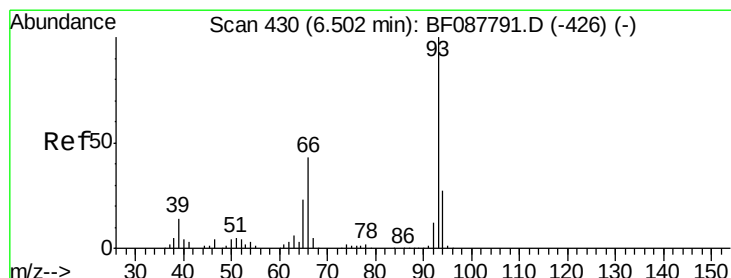
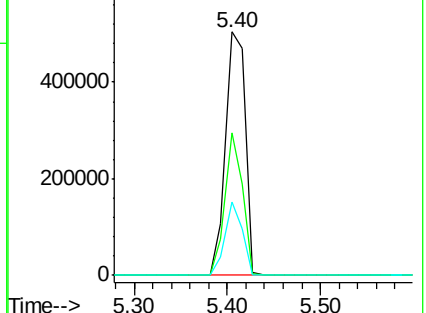
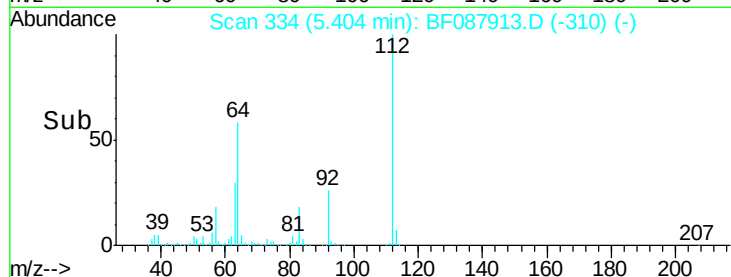
63 29.9 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 10.88 ng

RT: 6.55 min Scan# 434

Delta R.T. 0.05 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

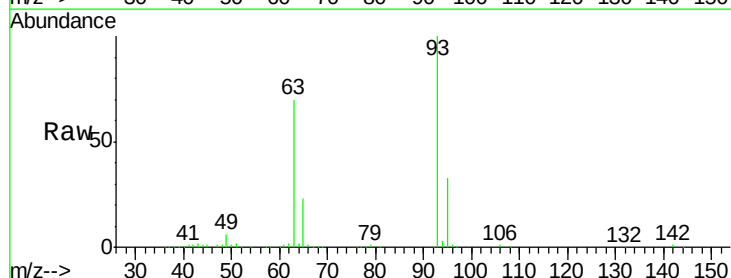
Tgt Ion: 93 Resp: 339063

Ion Ratio Lower Upper

93 100

66 1.2 29.8 44.8#

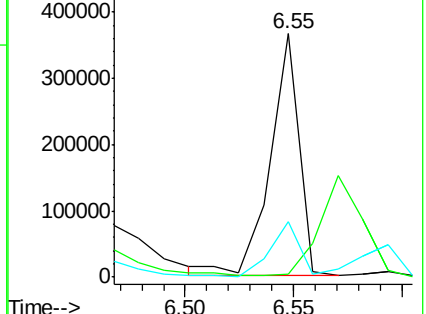
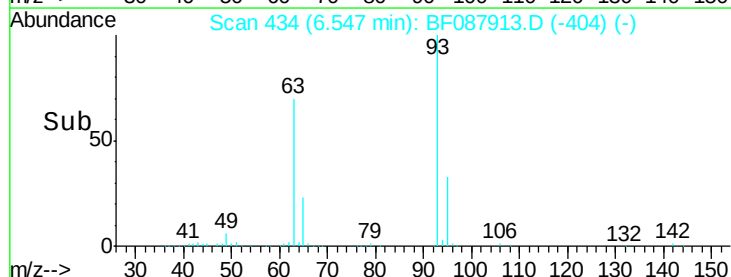
65 22.8 14.9 22.3#

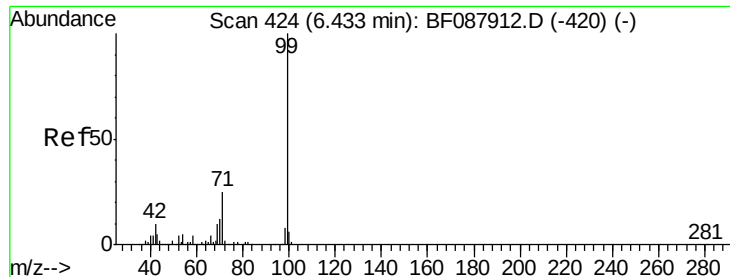


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 41.42 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MS

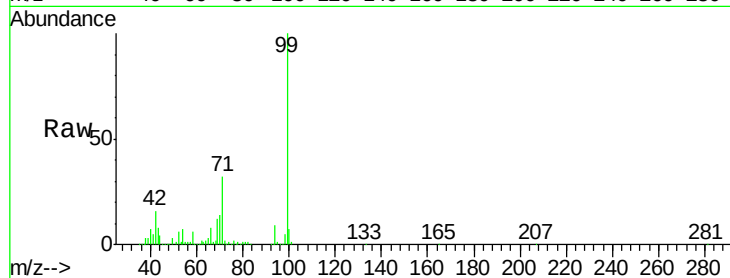
Tot Ion: 99 Resp: 906845

Ion Ratio Lower Upper

99 100

42 15.7 12.2 18.2

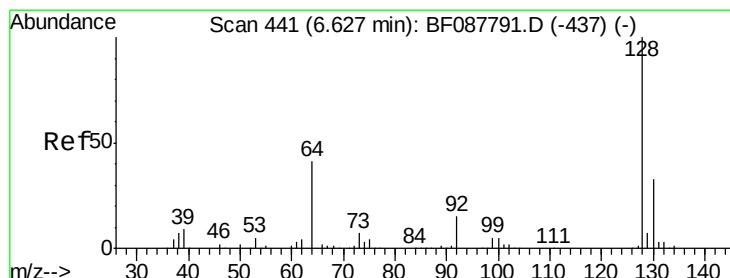
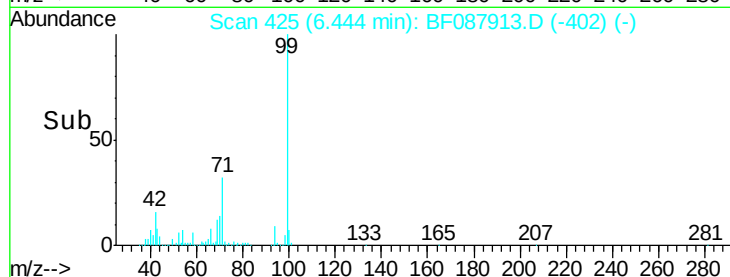
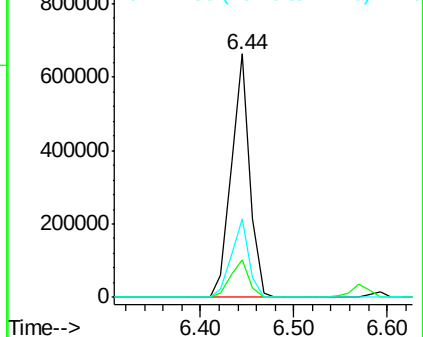
71 32.0 23.4 35.0



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



#8

2-Chlorophenol

Concen: 15.56 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.03 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

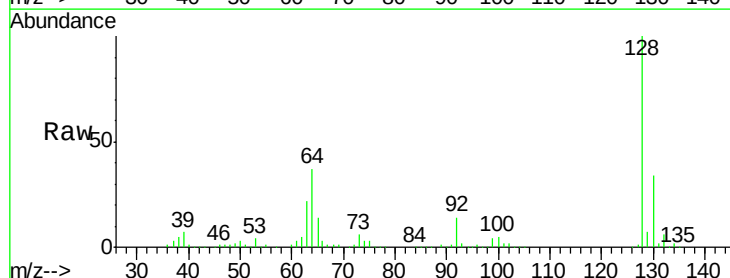
Tgt Ion: 128 Resp: 332615

Ion Ratio Lower Upper

128 100

130 33.9 12.0 52.0

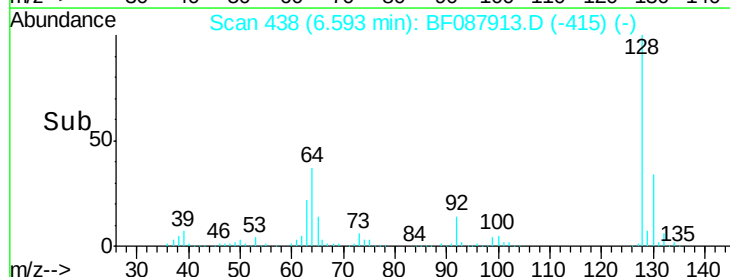
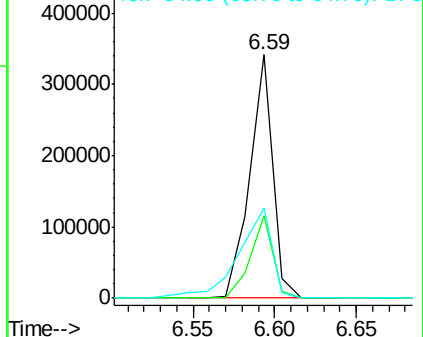
64 36.9 30.8 70.8

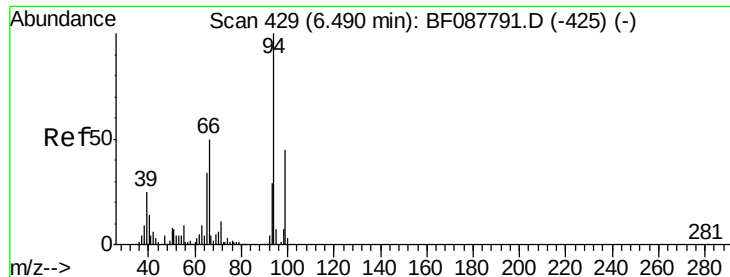


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#10

Phenol

Concen: 12.84 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.03 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MS

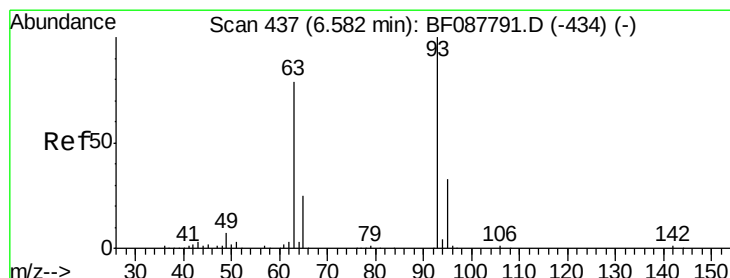
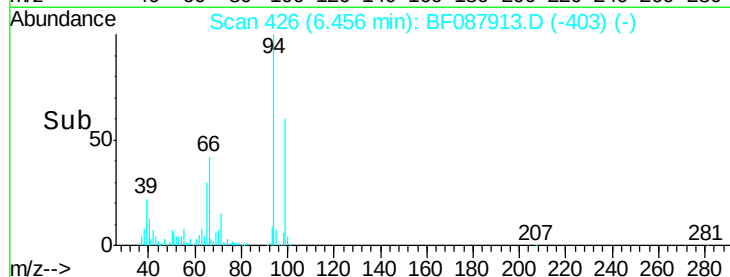
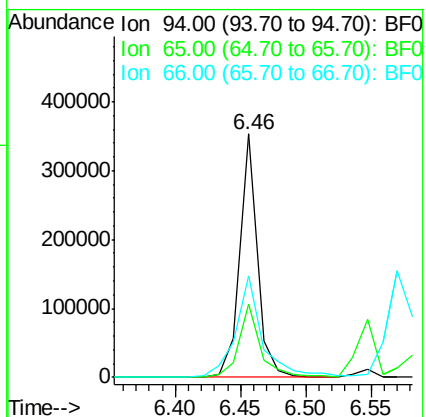
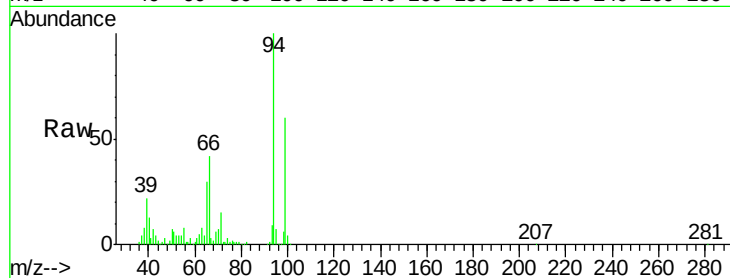
Tot Ion: 94 Resp: 330484

Ion Ratio Lower Upper

94 100

65 30.2 5.9 45.9

66 41.9 14.0 54.0



#11

bis(2-Chloroethyl)ether

Concen: 17.67 ng

RT: 6.55 min Scan# 434

Delta R.T. -0.03 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

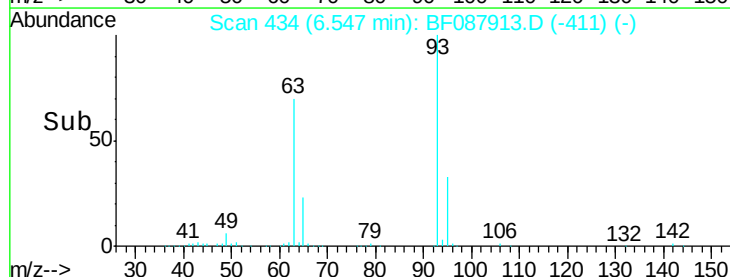
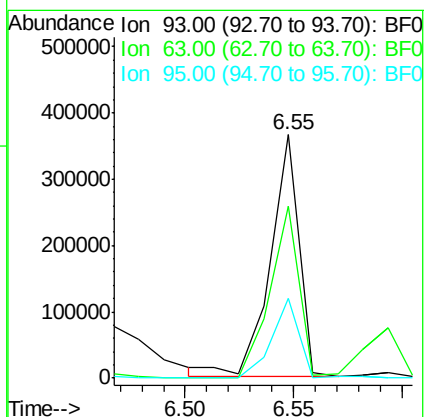
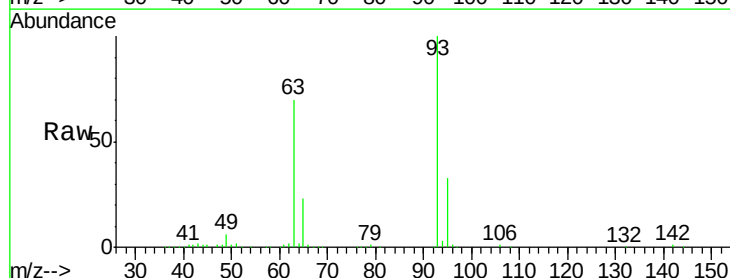
Tgt Ion: 93 Resp: 339149

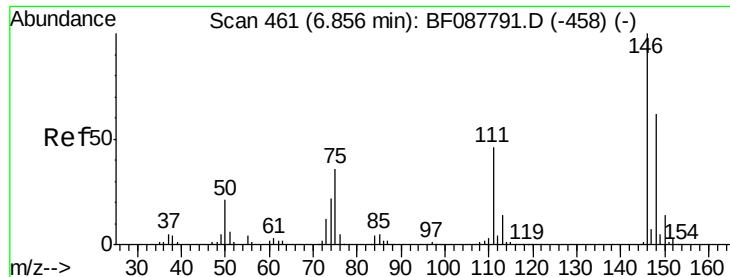
Ion Ratio Lower Upper

93 100

63 70.5 67.6 107.6

95 32.6 12.5 52.5

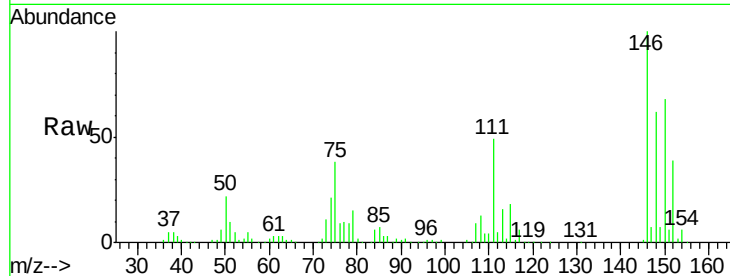




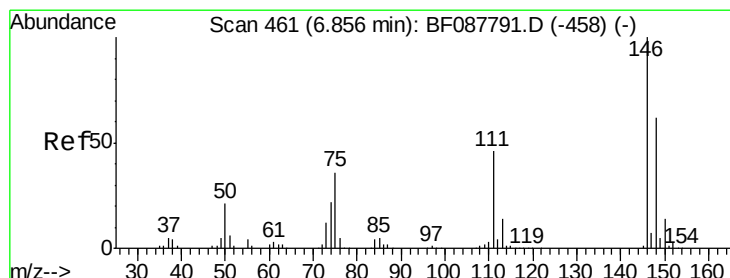
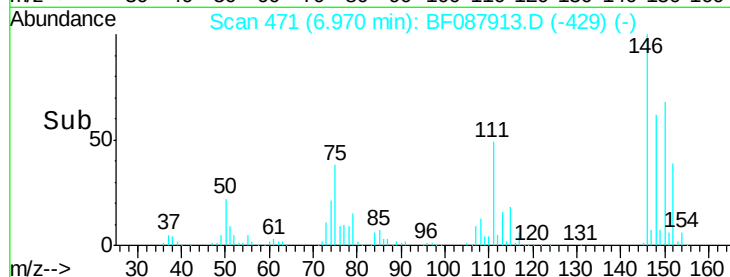
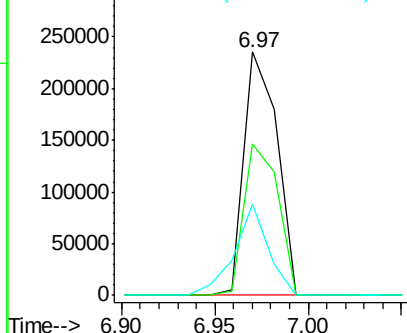
#12
 1,3-Dichlorobenzene
 Concen: 12.61 ng
 RT: 6.97 min Scan# 471
 Delta R.T. 0.18 min
 Lab File: BF087913.D
 Acq: 11 Jun 2016 20:33

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-50-060616MS

Tot Ion:146 Resp: 289232
 Ion Ratio Lower Upper
 146 100
 148 62.4 50.9 76.3
 75 37.6 25.6 38.4

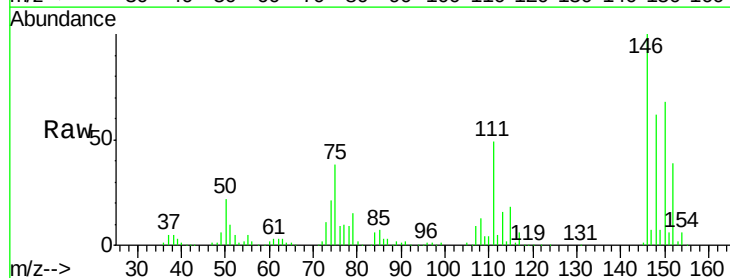


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

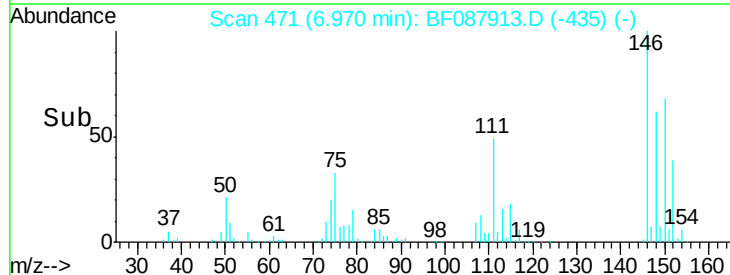
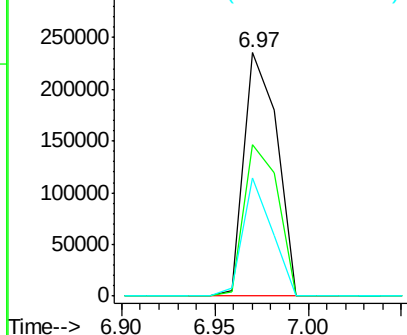


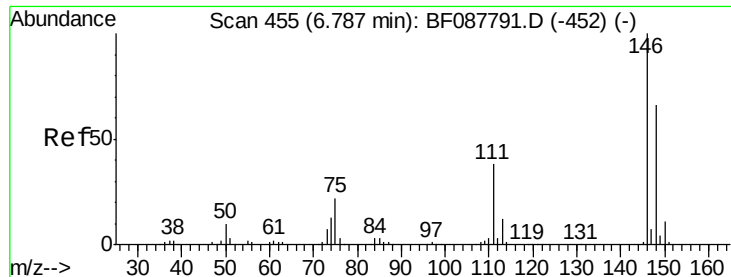
#13
 1,4-Dichlorobenzene
 Concen: 12.52 ng
 RT: 6.97 min Scan# 471
 Delta R.T. 0.11 min
 Lab File: BF087913.D
 Acq: 11 Jun 2016 20:33

Tgt Ion:146 Resp: 289232
 Ion Ratio Lower Upper
 146 100
 148 62.4 52.0 78.0
 111 48.7 33.8 50.8



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

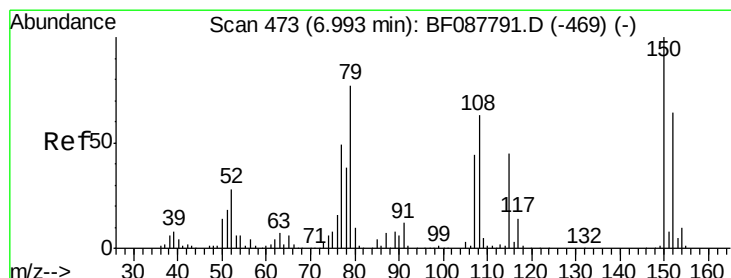
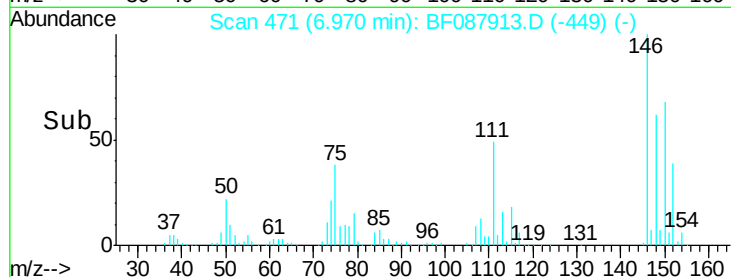
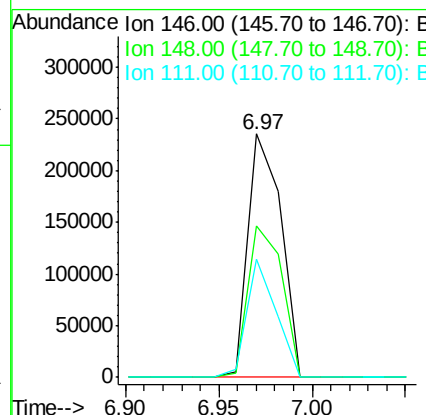
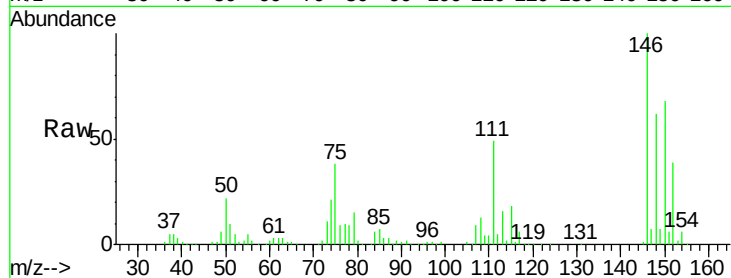




#14
 1,2-Dichlorobenzene
 Concen: 13.76 ng
 RT: 6.97 min Scan# 471
 Delta R.T. -0.05 min
 Lab File: BF087913.D
 Acq: 11 Jun 2016 20:33

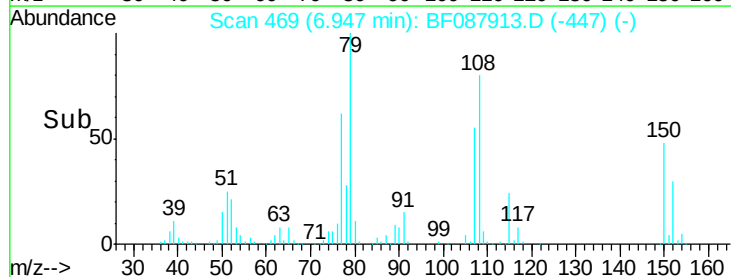
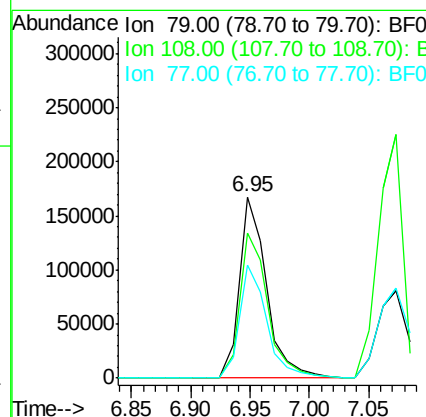
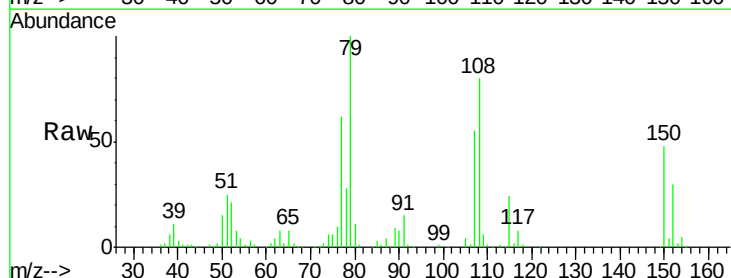
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-50-060616MS

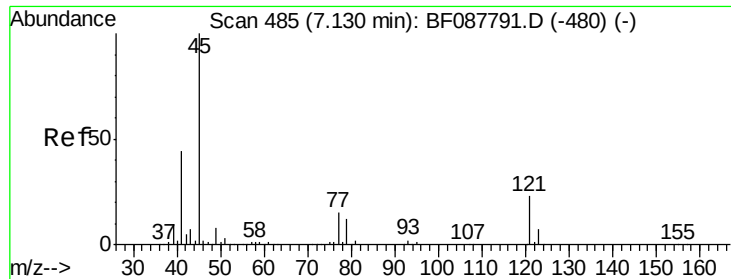
Tot Ion:146 Resp: 289232
 Ion Ratio Lower Upper
 146 100
 148 62.4 52.3 78.5
 111 48.7 28.7 43.1#



#15
 Benzyl Alcohol
 Concen: 15.66 ng
 RT: 6.95 min Scan# 469
 Delta R.T. -0.05 min
 Lab File: BF087913.D
 Acq: 11 Jun 2016 20:33

Tgt Ion: 79 Resp: 268250
 Ion Ratio Lower Upper
 79 100
 108 80.0 65.0 97.6
 77 62.1 50.3 75.5

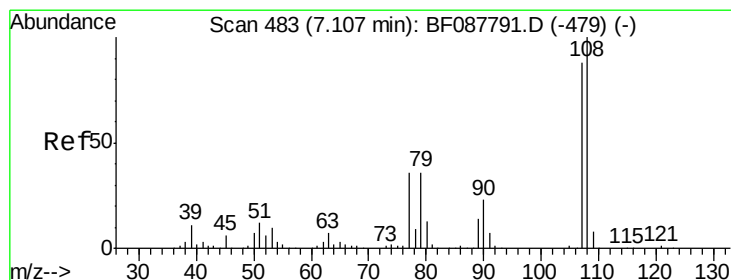
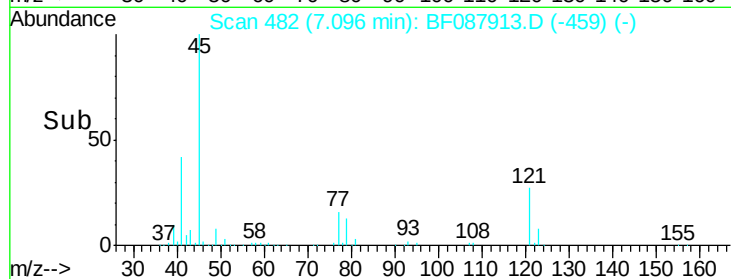
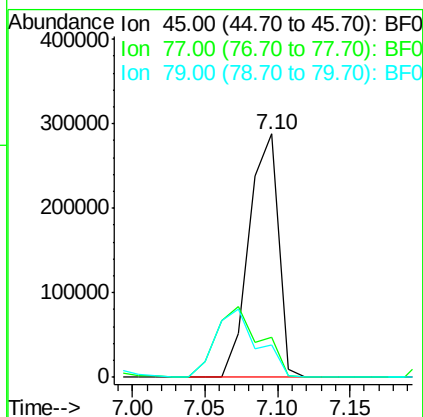
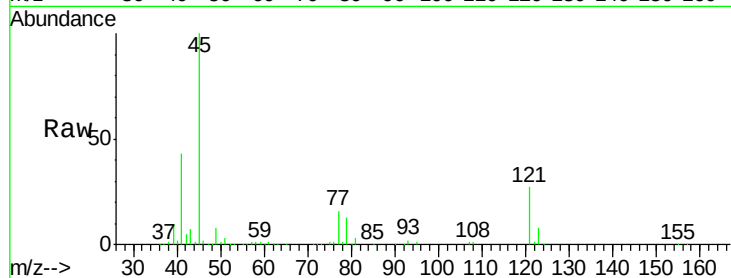




#16
2,2'-oxybis(1-Chloropropane)
Concen: 15.60 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.03 min
Lab File: BF087913.D
Acq: 11 Jun 2016 20:33

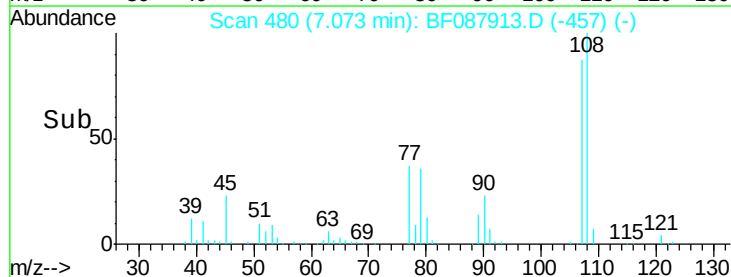
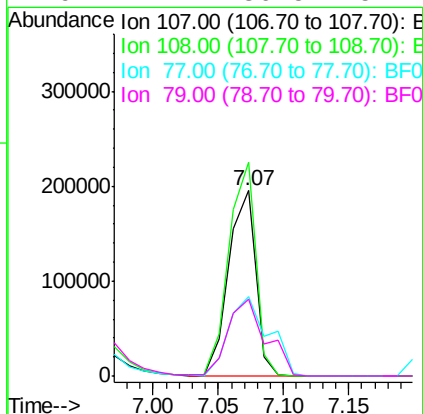
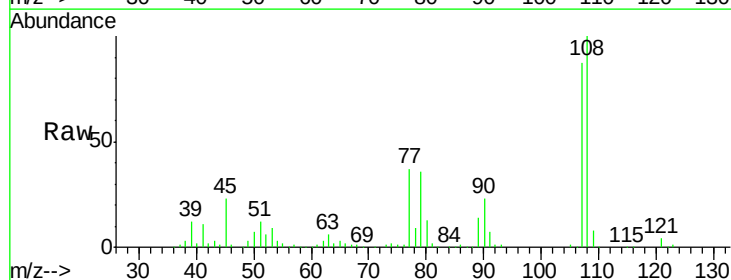
Instrument :
BNA_F
ClientSampleId :
HSR-WC-50-060616MS

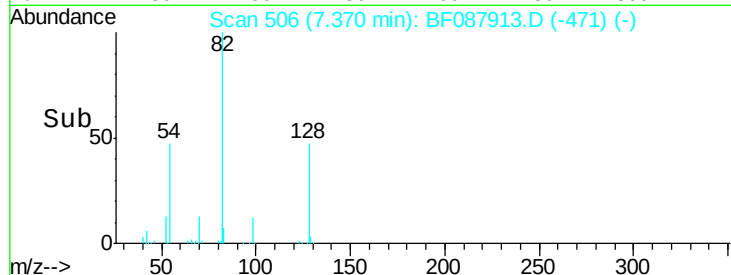
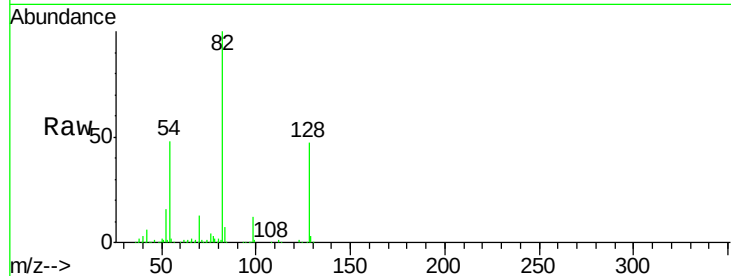
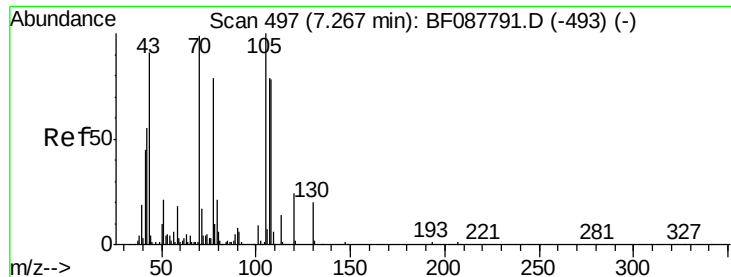
Tot Ion	Ratio	Lower	Upper
45	100		
77	16.2	0.0	32.5
79	13.3	0.0	29.5



#17
2-Methylphenol
Concen: 16.33 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.03 min
Lab File: BF087913.D
Acq: 11 Jun 2016 20:33

Tgt Ion	Ratio	Lower	Upper
107	100		
108	115.2	90.9	136.3
77	42.7	36.6	55.0
79	41.2	36.5	54.7

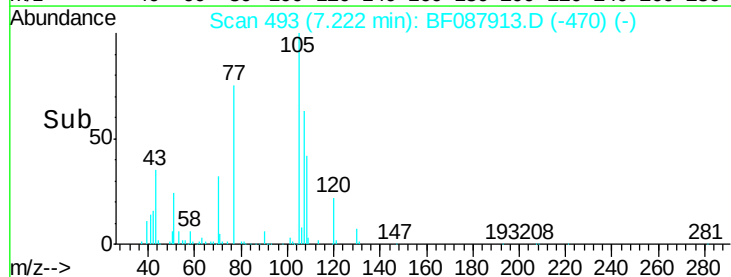
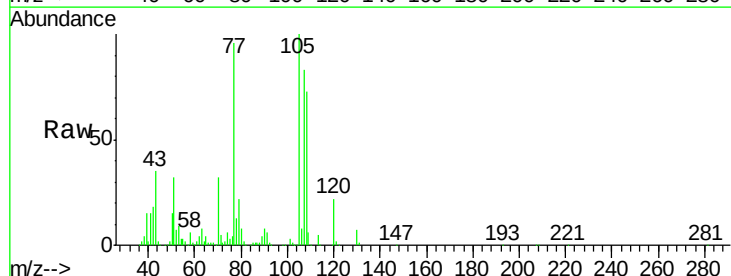
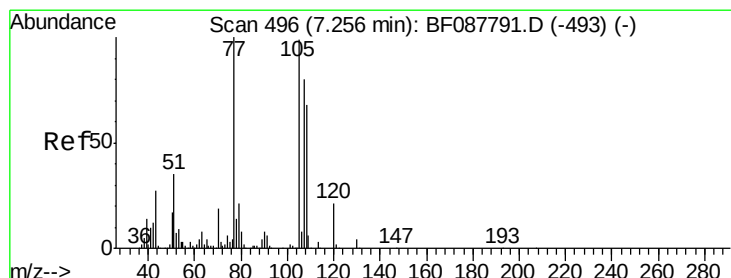
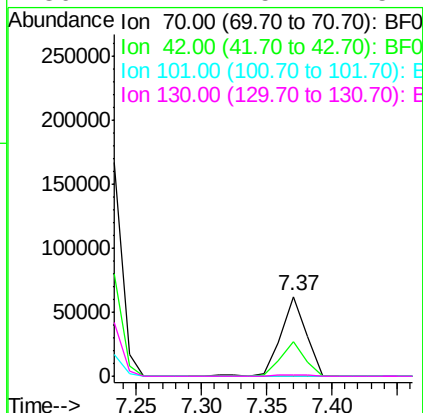




#19
n-Nitroso-di-n-propylamine
Concen: 6.02 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.10 min
Lab File: BF087913.D
Acq: 11 Jun 2016 20:33

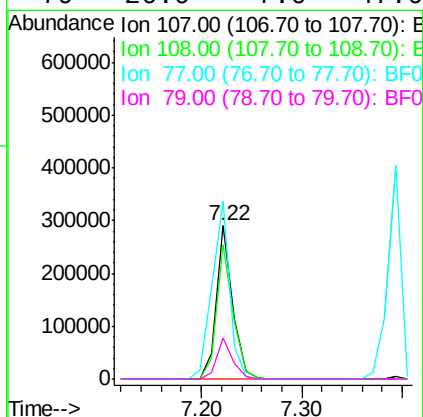
Instrument :
BNA_F
ClientSampleId :
HSR-WC-50-060616MS

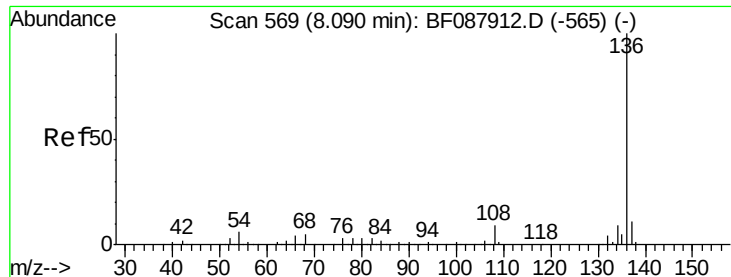
Tot Ion: 70 Resp: 84362
Ion Ratio Lower Upper
70 100
42 42.8 49.6 74.4#
101 0.0 7.1 10.7#
130 2.4 15.4 23.2#



#20
3+4-Methylphenols
Concen: 15.90 ng
RT: 7.22 min Scan# 493
Delta R.T. -0.03 min
Lab File: BF087913.D
Acq: 11 Jun 2016 20:33

Tgt Ion: 107 Resp: 321762
Ion Ratio Lower Upper
107 100
108 87.8 67.8 107.8
77 116.3 59.3 99.3#
79 26.9 7.0 47.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.41 min Scan# 597

Delta R.T. 0.29 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MS

Tot Ion:136 Resp: 245

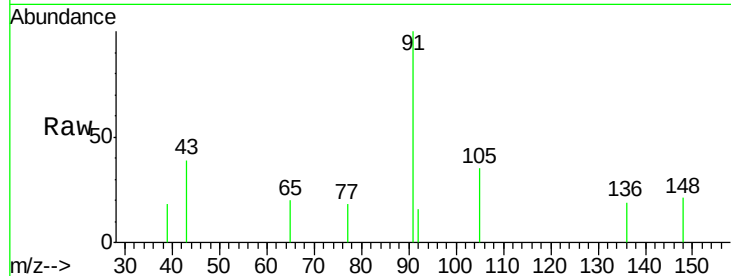
Ion Ratio Lower Upper

136 100

137 0.0 9.1 13.7#

54 0.0 6.6 10.0#

68 0.0 5.1 7.7#

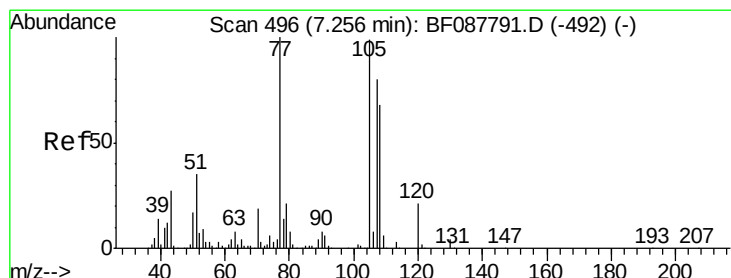
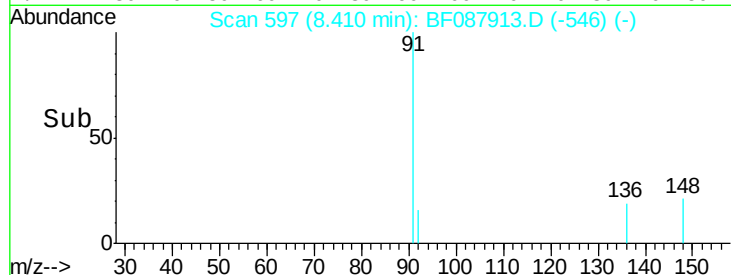
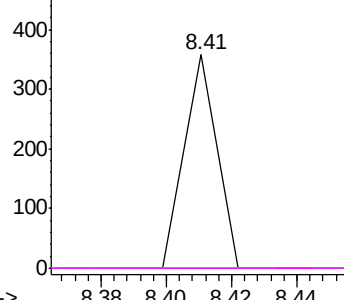


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2173.28 ng

RT: 7.76 min Scan# 540

Delta R.T. 0.50 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

Tgt Ion:105 Resp: 11899

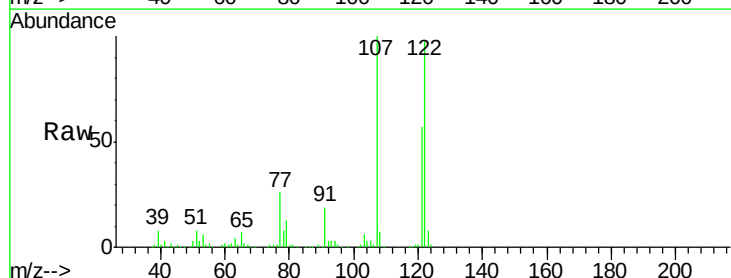
Ion Ratio Lower Upper

105 100

71 0.0 5.3 7.9#

51 234.7 18.2 27.4#

120 32.1 18.0 27.0#

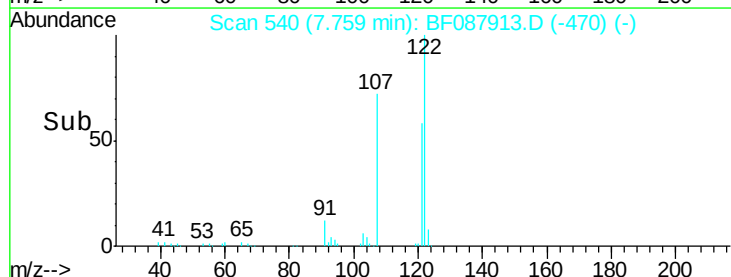
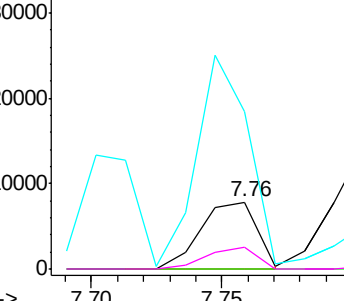


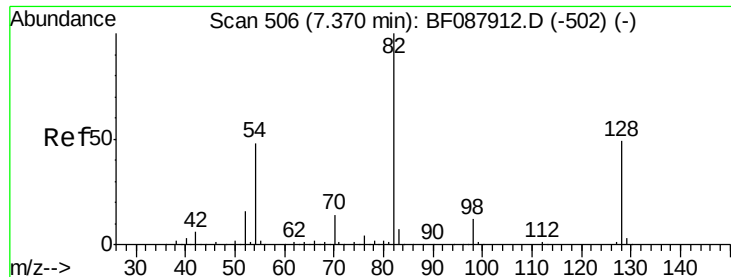
Abundance Ion 105.00 (104.70 to 105.70): E

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

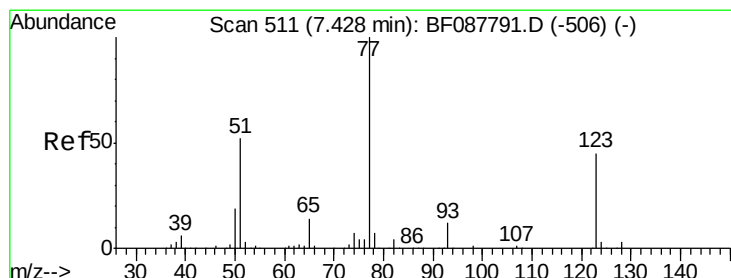
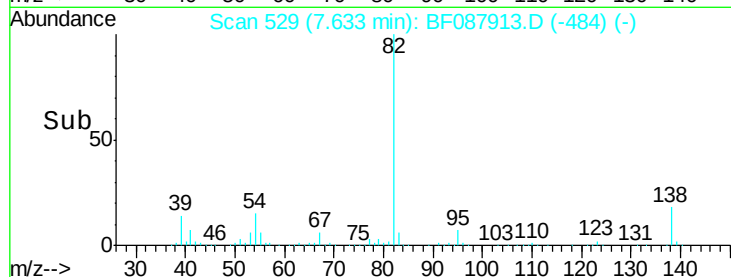
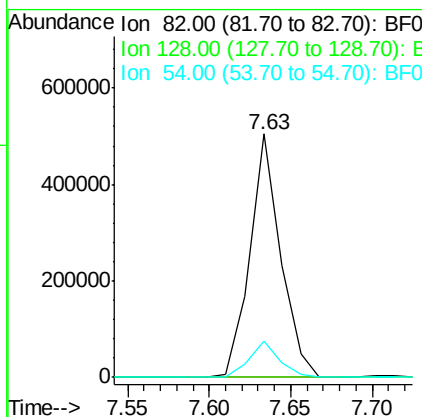
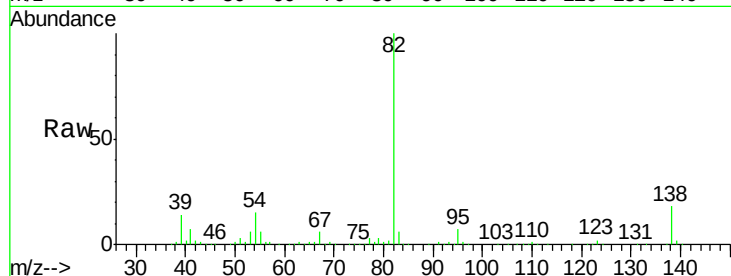




#23
 Nitrobenzene-d5
 Concen: 157355.29 ng
 RT: 7.63 min Scan# 529
 Delta R.T. 0.22 min
 Lab File: BF087913.D
 Acq: 11 Jun 2016 20:33

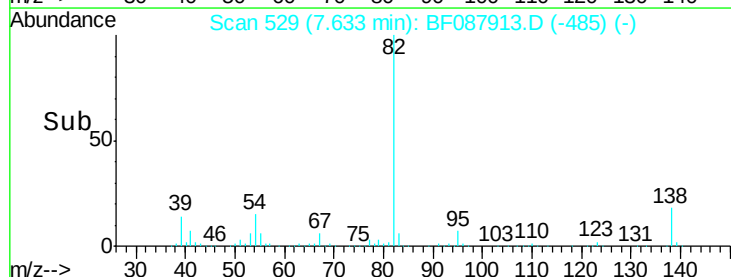
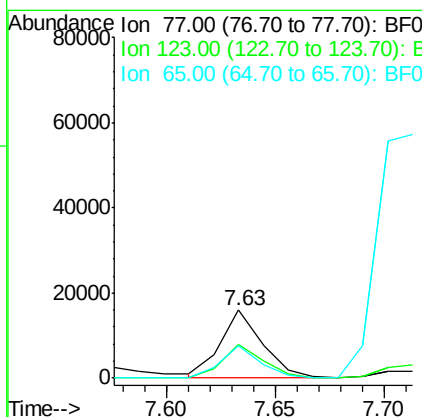
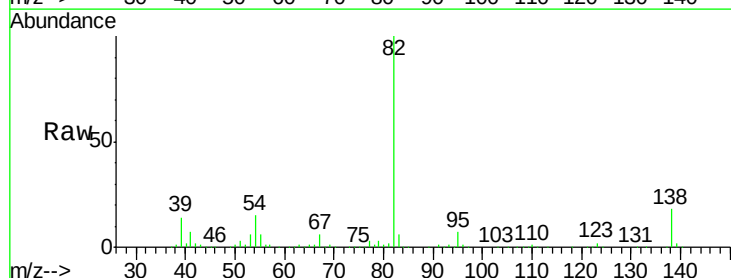
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-50-060616MS

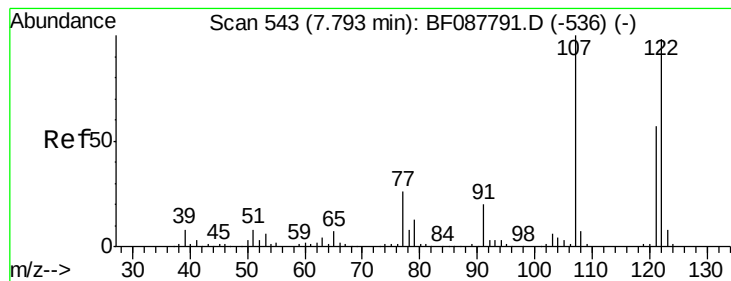
Tot Ion: 82 Resp: 660204
 Ion Ratio Lower Upper
 82 100
 128 0.0 35.9 53.9#
 54 15.0 40.9 61.3#



#24
 Nitrobenzene
 Concen: 5287.23 ng
 RT: 7.63 min Scan# 529
 Delta R.T. 0.21 min
 Lab File: BF087913.D
 Acq: 11 Jun 2016 20:33

Tgt Ion: 77 Resp: 21488
 Ion Ratio Lower Upper
 77 100
 123 48.9 45.0 67.4
 65 46.8 10.2 15.2#





#27

2,4-Dimethylphenol

Concen: 56427.59 ng

RT: 7.88 min Scan# 551

Delta R.T. 0.09 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MS

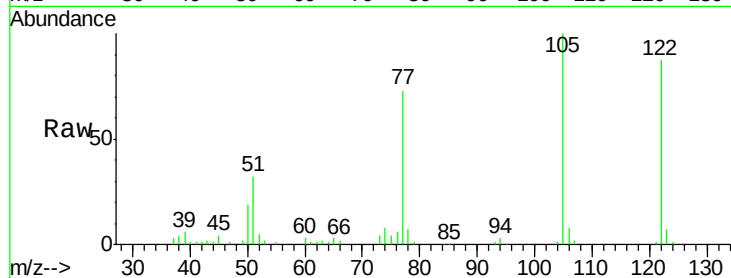
Tot Ion:122 Resp: 226185

Ion Ratio Lower Upper

122 100

107 2.5 82.4 123.6#

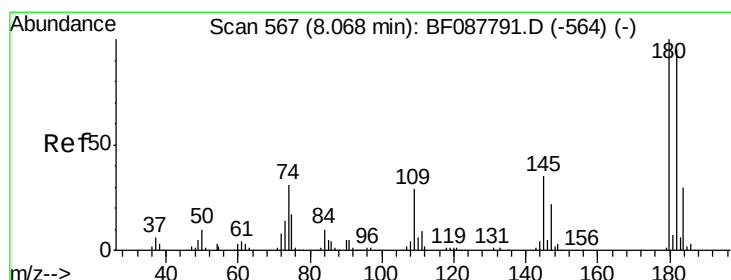
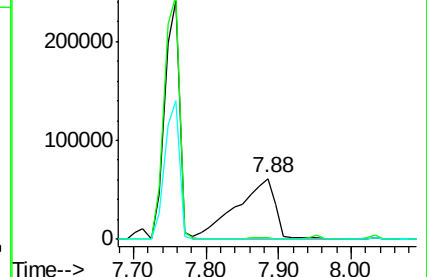
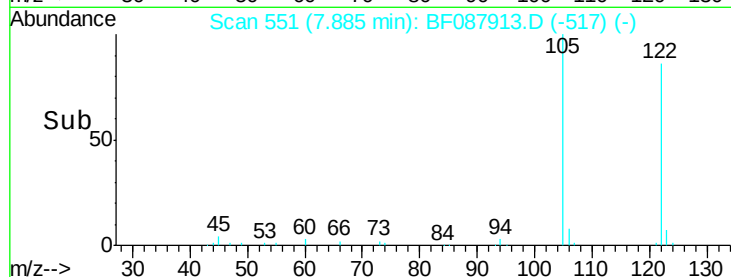
121 1.6 46.3 69.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#30

1,2,4-Trichlorobenzene

Concen: 534.27 ng

RT: 8.26 min Scan# 584

Delta R.T. 0.19 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

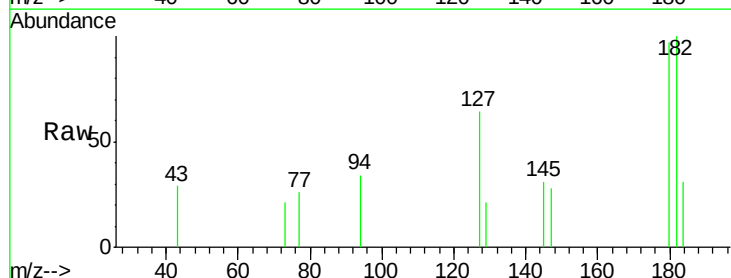
Tgt Ion:180 Resp: 1947

Ion Ratio Lower Upper

180 100

182 102.9 76.0 114.0

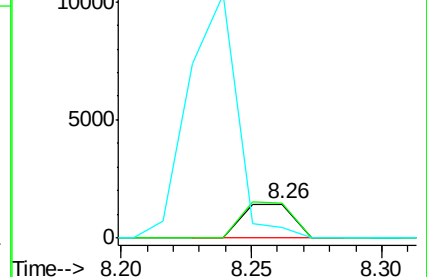
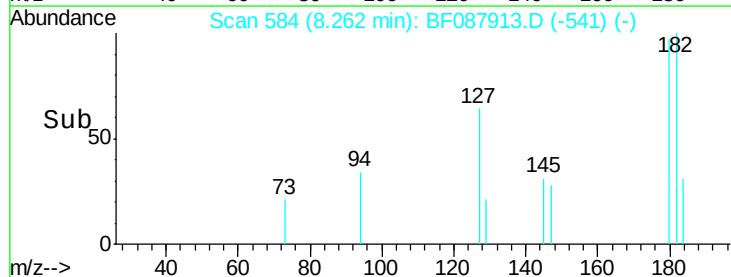
145 31.5 26.5 39.7

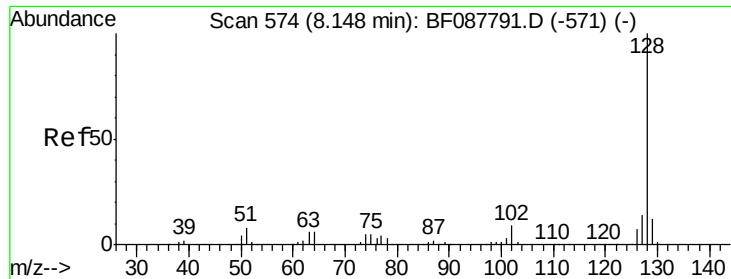


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 681.53 ng

RT: 8.17 min Scan# 576

Delta R.T. 0.02 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MS

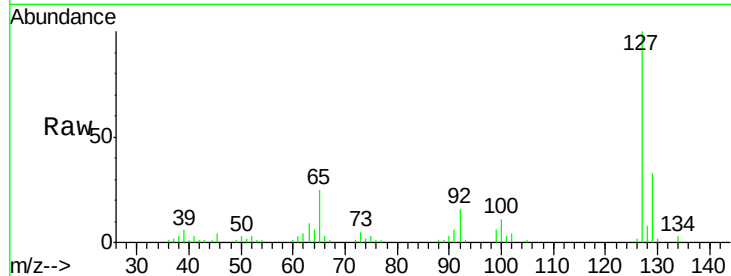
Tot Ion:128 Resp: 8263

Ion Ratio Lower Upper

128 100

129 394.0 9.4 14.2#

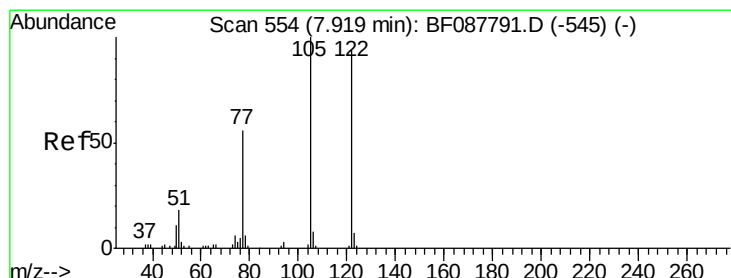
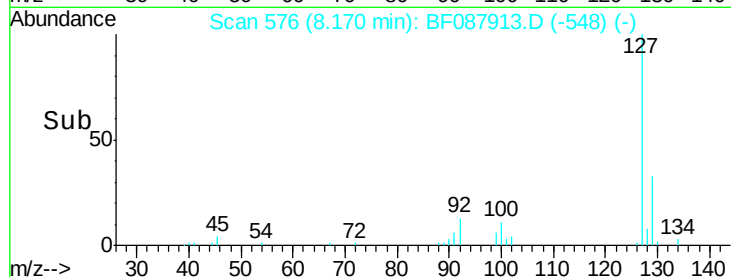
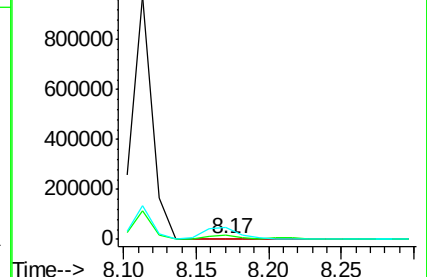
127 1202.5 10.9 16.3#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 2785.86 ng

RT: 8.24 min Scan# 582

Delta R.T. 0.32 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

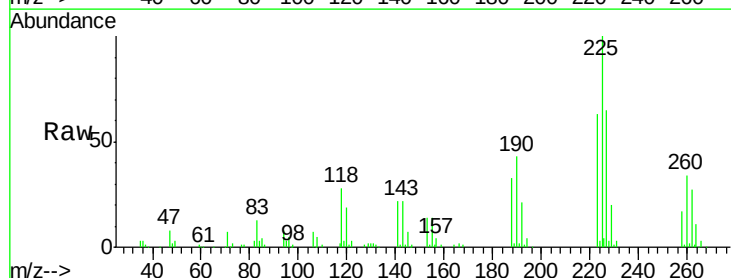
Tgt Ion:122 Resp: 6149

Ion Ratio Lower Upper

122 100

105 0.0 101.6 141.6#

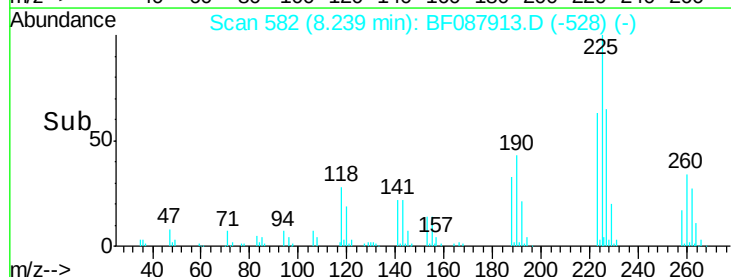
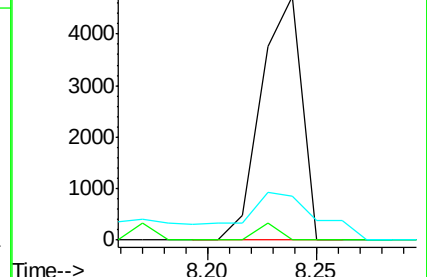
77 18.0 70.6 110.6#

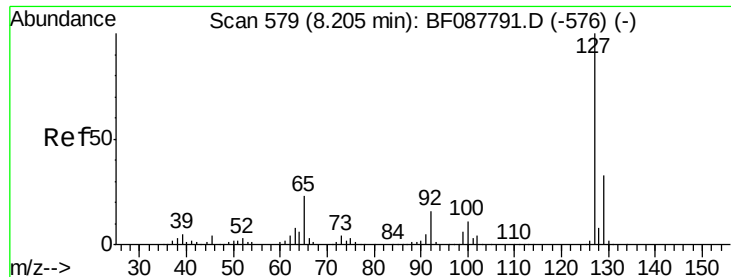


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

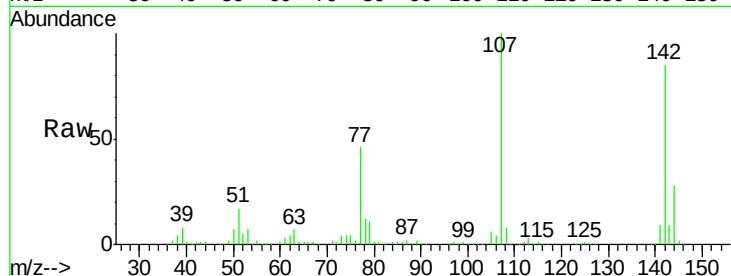




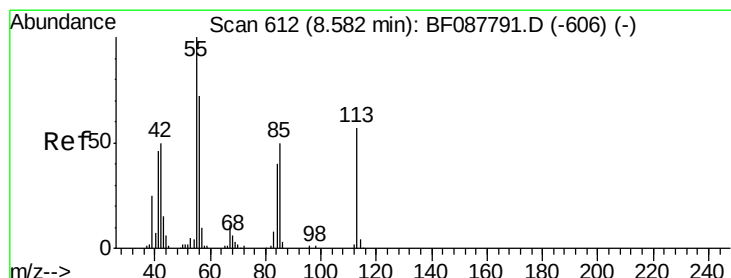
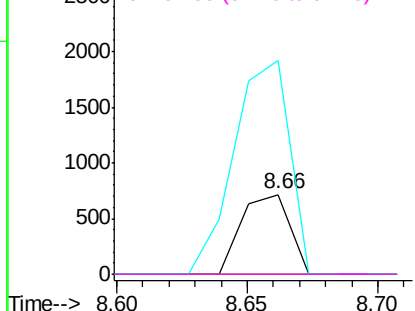
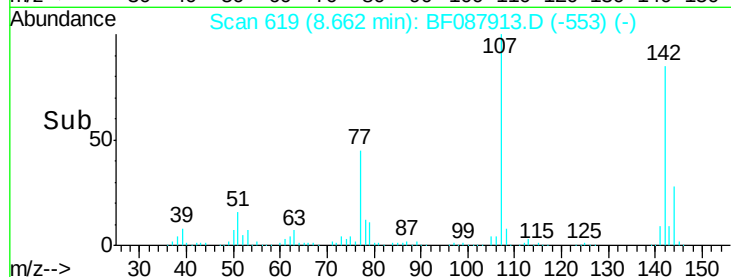
#33
4-Chloroaniline
Concen: 170.85 ng
RT: 8.66 min Scan# 619
Delta R.T. 0.46 min
Lab File: BF087913.D
Acq: 11 Jun 2016 20:33

Instrument :
BNA_F
ClientSampleId :
HSR-WC-50-060616MS

Tot Ion:	127	Resp:	925
Ion	Ratio	Lower	Upper
127	100		
129	0.0	26.3	39.5#
65	267.6	24.7	37.1#
92	0.0	15.4	23.0#

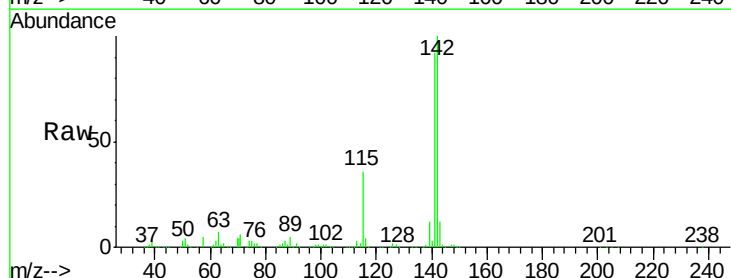


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

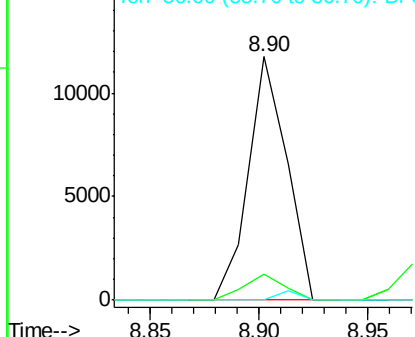
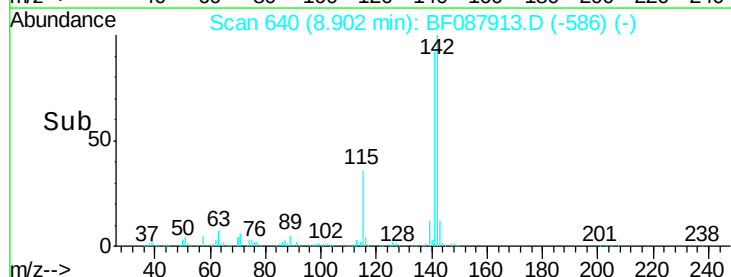


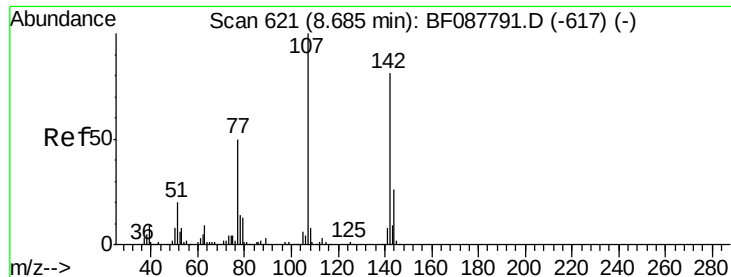
#35
Caprolactam
Concen: 12987.91 ng
RT: 8.90 min Scan# 640
Delta R.T. 0.32 min
Lab File: BF087913.D
Acq: 11 Jun 2016 20:33

Tgt Ion:	113	Resp:	14398
Ion	Ratio	Lower	Upper
113	100		
55	10.5	158.6	198.6#
56	0.0	110.6	150.6#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

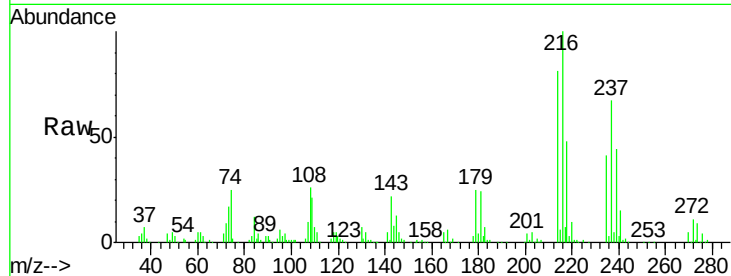




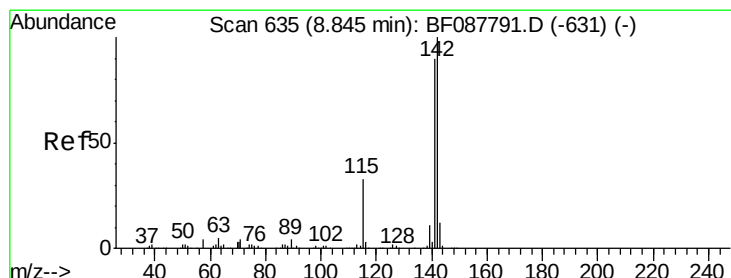
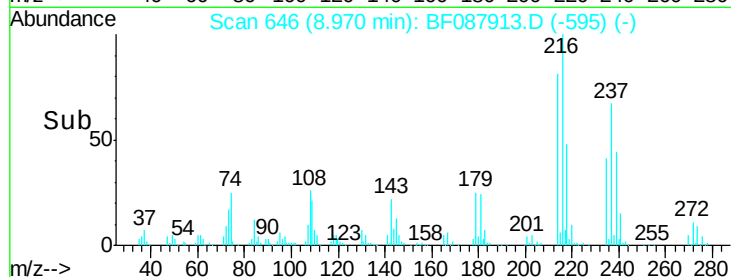
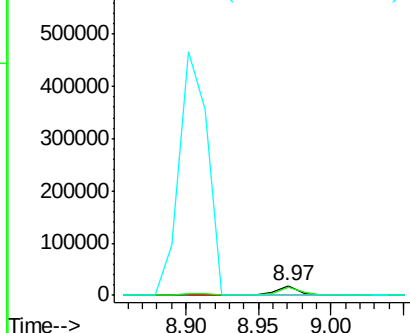
#36
 4-Chloro-3-methylphenol
 Concen: 5980.15 ng
 RT: 8.97 min Scan# 646
 Delta R.T. 0.29 min
 Lab File: BF087913.D
 Acq: 11 Jun 2016 20:33

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-50-060616MS

Tot Ion:107 Resp: 21404
 Ion Ratio Lower Upper
 107 100
 144 85.4 20.8 31.2#
 142 10.9 63.4 95.2#

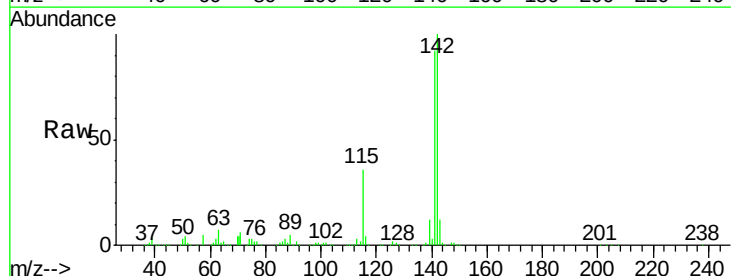


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

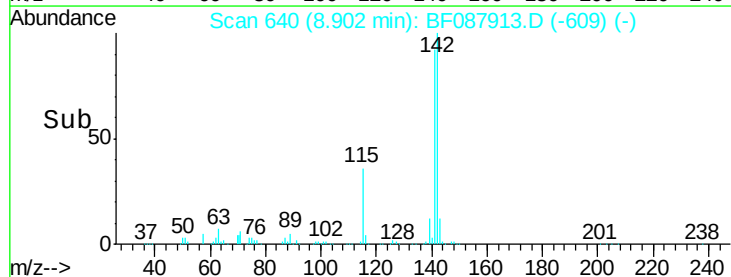
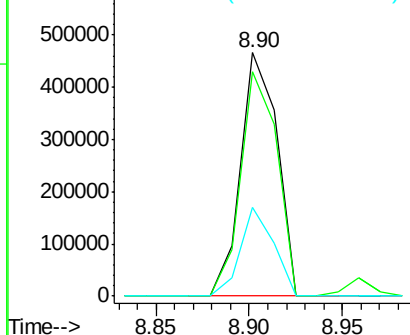


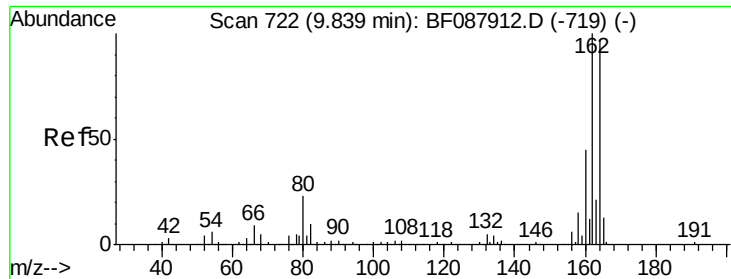
#37
 2-Methylnaphthalene
 Concen: 79070.51 ng
 RT: 8.90 min Scan# 640
 Delta R.T. 0.06 min
 Lab File: BF087913.D
 Acq: 11 Jun 2016 20:33

Tgt Ion:142 Resp: 631871
 Ion Ratio Lower Upper
 142 100
 141 92.1 71.0 106.6
 115 36.4 22.6 33.8#



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: 10.30 min Scan# 762

Delta R.T. 0.41 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MS

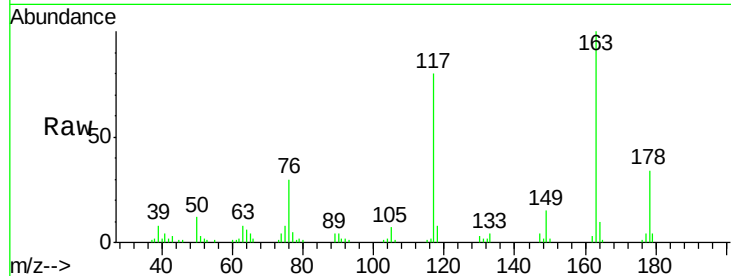
Tot Ion:164 Resp: 6301

Ion Ratio Lower Upper

164 100

162 28.8 85.4 128.2#

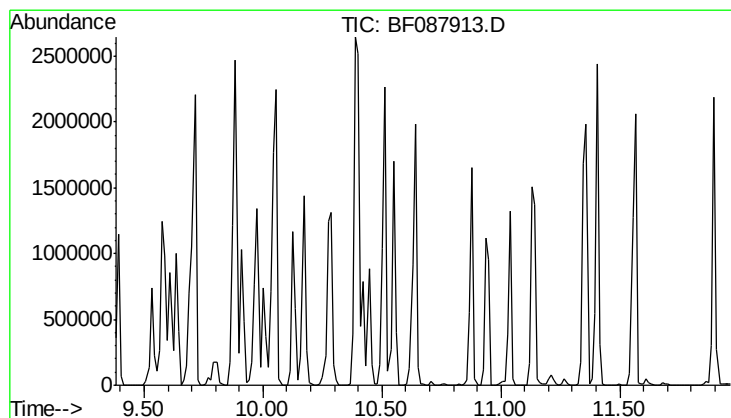
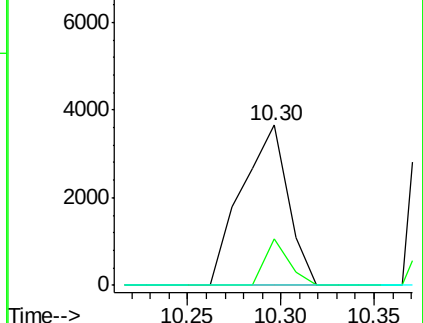
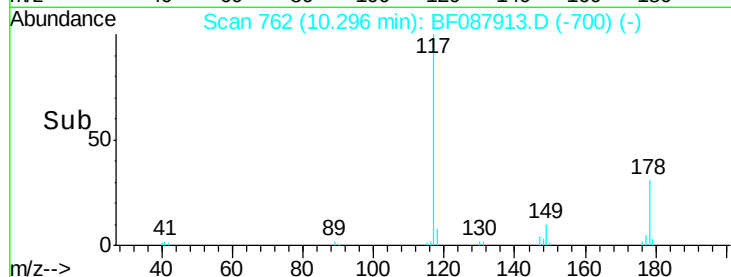
160 0.0 39.5 59.3#



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: 0.00 ng

Expected RT: 10.67 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

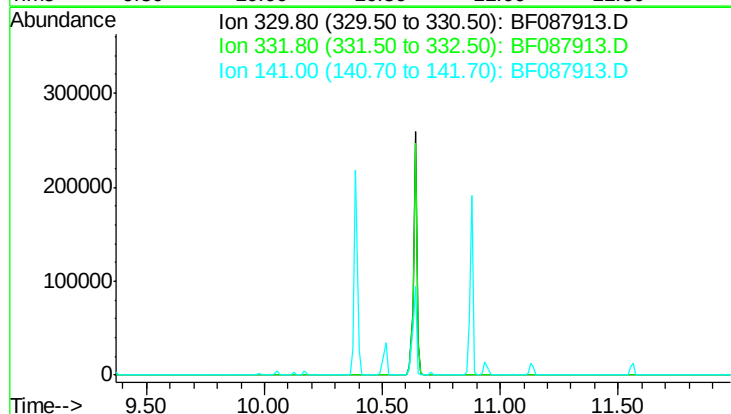
Tgt Ion: 330

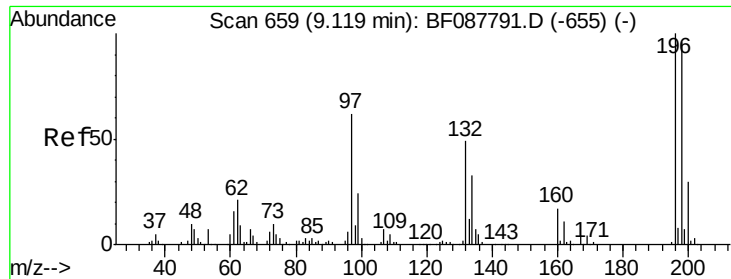
Sig Exp Ratio

330 100

332 0.0

141 0.0

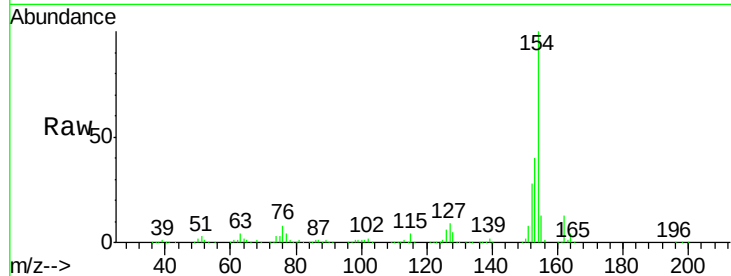




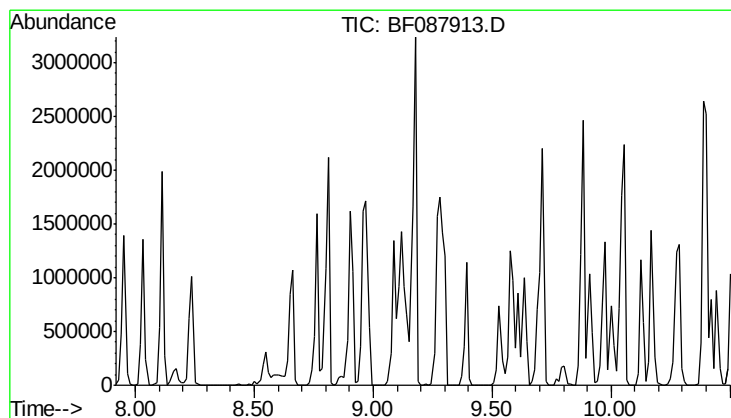
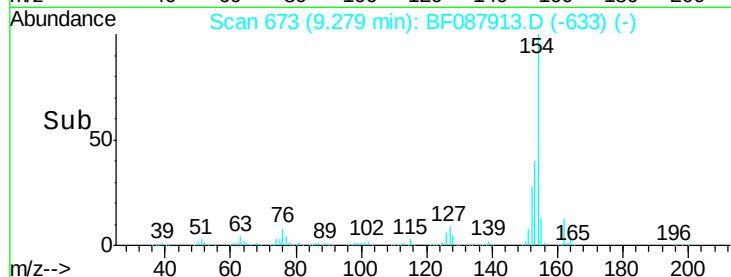
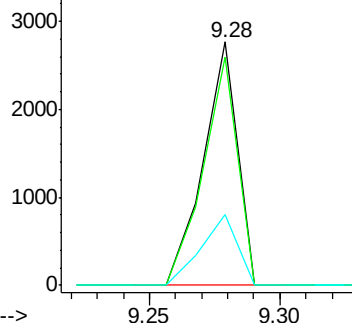
#42
 2,4,6-Trichlorophenol
 Concen: 20.18 ng
 RT: 9.28 min Scan# 673
 Delta R.T. 0.16 min
 Lab File: BF087913.D
 Acq: 11 Jun 2016 20:33

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-50-060616MS

Tot Ion:196 Resp: 2543
 Ion Ratio Lower Upper
 196 100
 198 93.5 78.0 117.0
 200 29.3 25.4 38.2



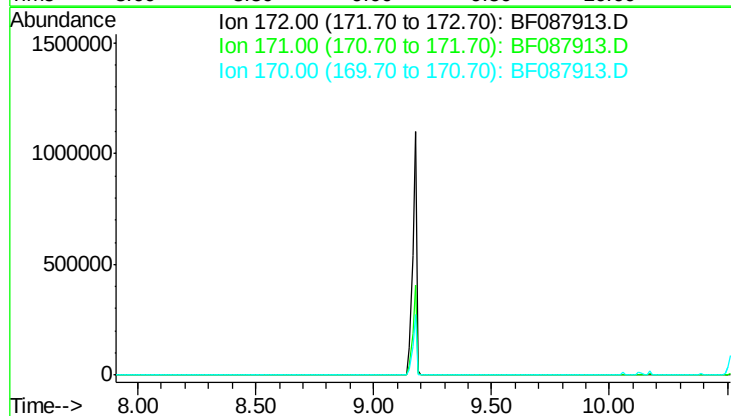
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

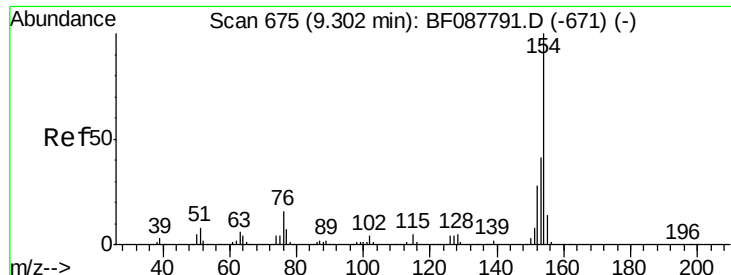


#44
 2-Fluorobiphenyl
 Concen: 0.00 ng
 Expected RT: 9.21 min

Lab File: BF087913.D
 Acq: 11 Jun 2016 20:33

Tgt Ion: 172
 Sig Exp Ratio
 172 100
 171 35.8
 170 24.0





#45

1,1'-Biphenyl

Concen: 1885.02 ng

RT: 9.88 min Scan# 726

Delta R.T. 0.58 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MS

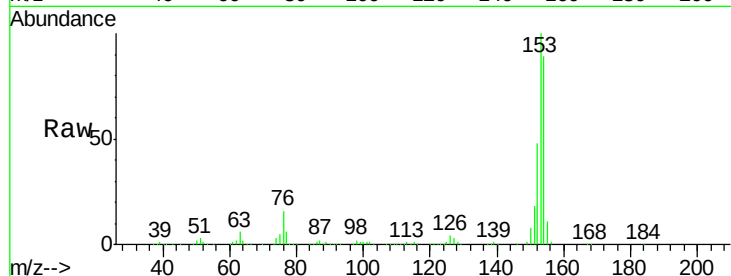
Tot Ion:154 Resp: 771527

Ion Ratio Lower Upper

154 100

153 112.4 20.6 60.6#

76 18.2 0.0 35.1

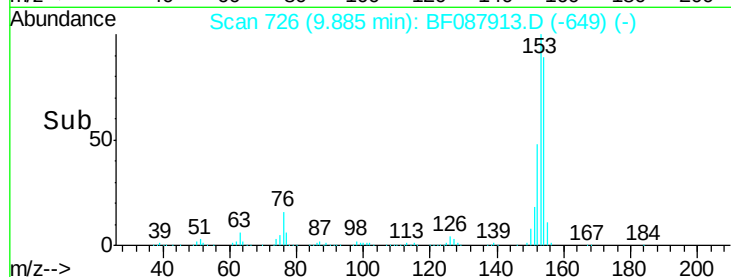


Abundance Ion 154.00 (153.70 to 154.70): E

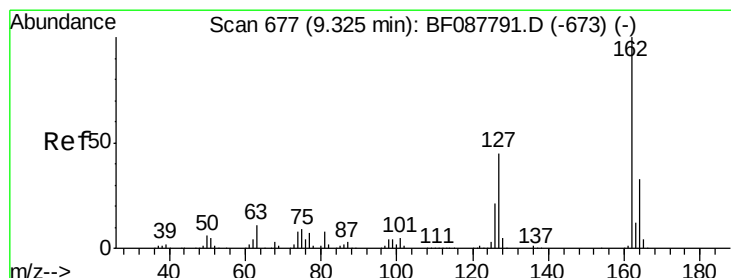
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

9.88



Time-->



#46

2-Chloronaphthalene

Concen: 2.31 ng

RT: 9.77 min Scan# 716

Delta R.T. 0.45 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

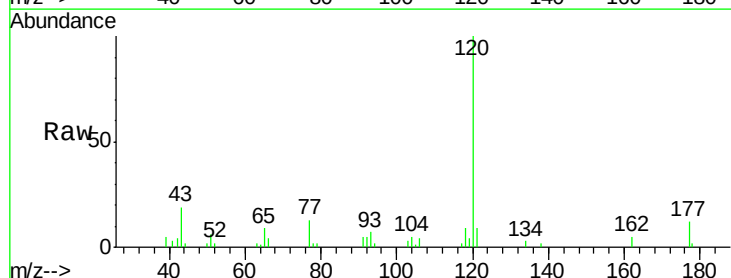
Tgt Ion:162 Resp: 943

Ion Ratio Lower Upper

162 100

127 0.0 35.2 52.8#

164 0.0 26.6 39.8#

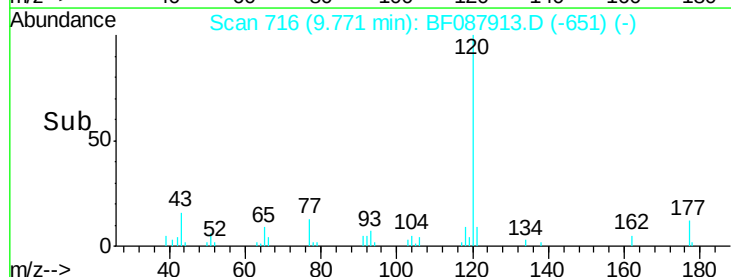


Abundance Ion 162.00 (161.70 to 162.70): E

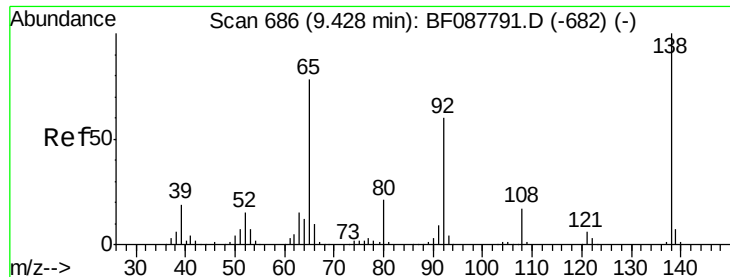
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

9.77



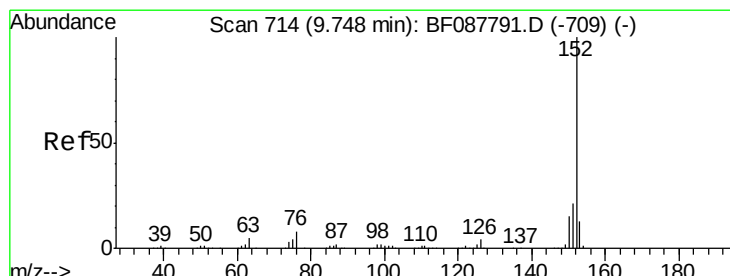
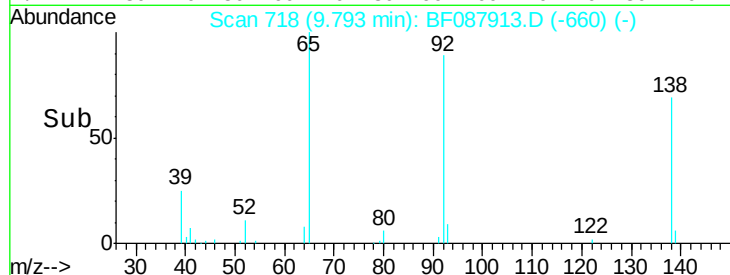
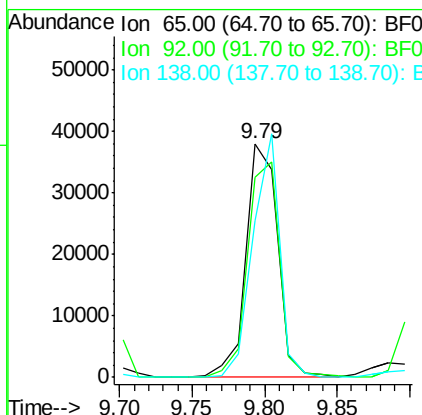
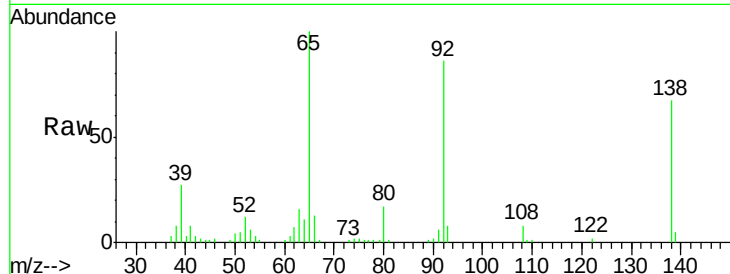
Time-->



#47
 2-Nitroaniline
 Concen: 480.06 ng
 RT: 9.79 min Scan# 718
 Delta R.T. 0.37 min
 Lab File: BF087913.D
 Acq: 11 Jun 2016 20:33

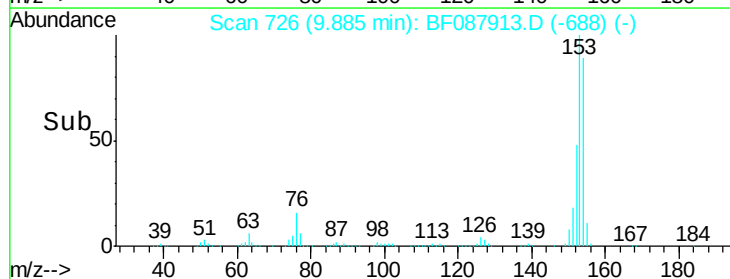
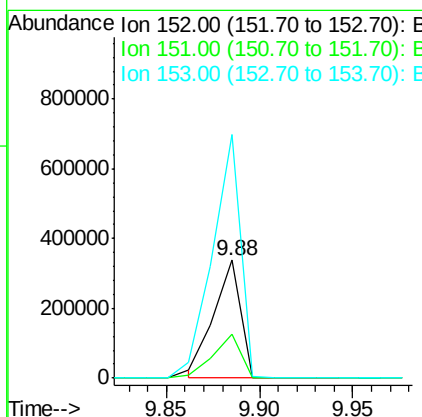
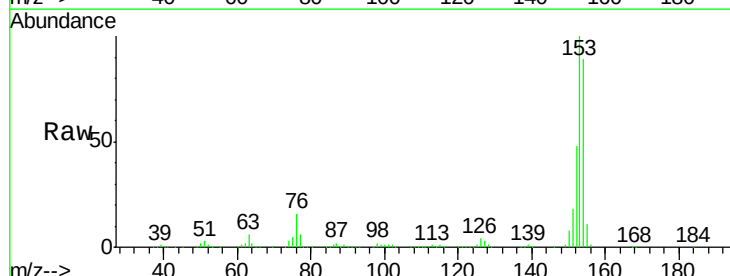
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-50-060616MS

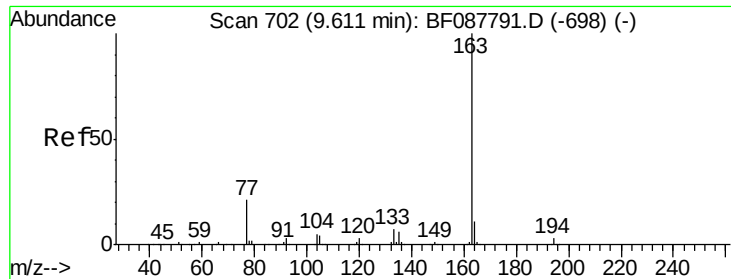
Tot Ion: 65 Resp: 57742
 Ion Ratio Lower Upper
 65 100
 92 85.6 54.6 82.0#
 138 66.8 77.0 115.4#



#48
 Acenaphthylene
 Concen: 521.06 ng
 RT: 9.88 min Scan# 726
 Delta R.T. 0.14 min
 Lab File: BF087913.D
 Acq: 11 Jun 2016 20:33

Tgt Ion:152 Resp: 337937
 Ion Ratio Lower Upper
 152 100
 151 37.5 16.2 24.4#
 153 206.4 11.0 16.6#

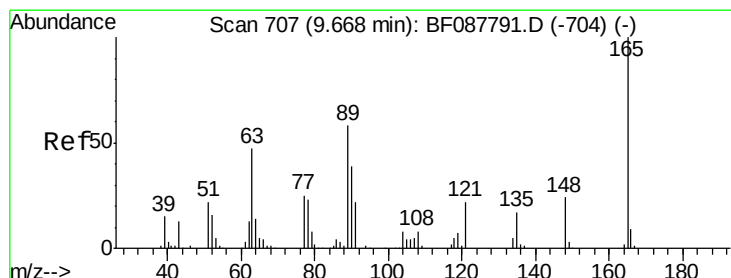
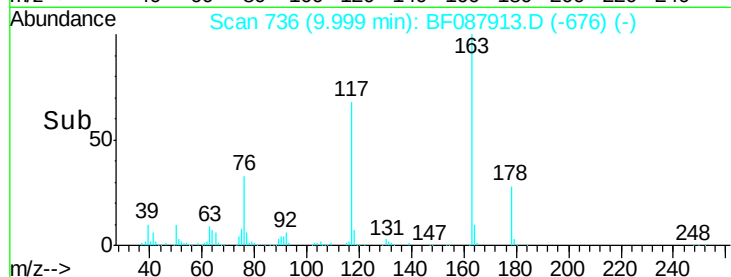
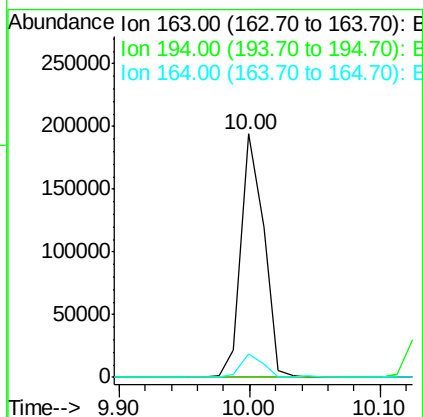
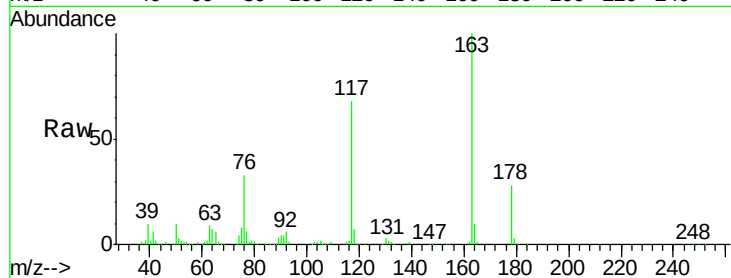




#49
Dimethylphthalate
Concen: 518.27 ng
RT: 10.00 min Scan# 736
Delta R.T. 0.39 min
Lab File: BF087913.D
Acq: 11 Jun 2016 20:33

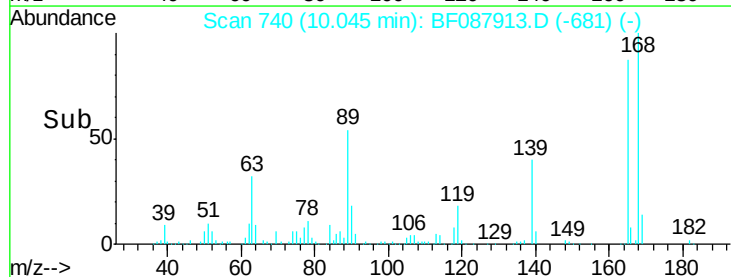
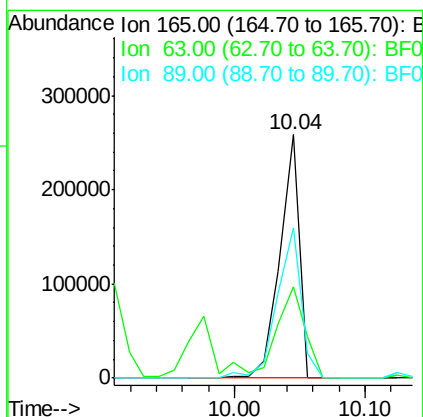
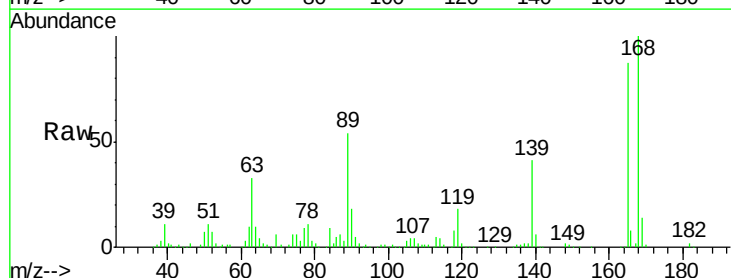
Instrument :
BNA_F
ClientSampleId :
HSR-WC-50-060616MS

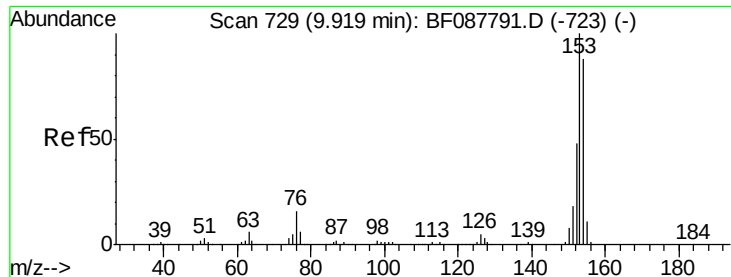
Tot Ion:163 Resp: 236556
Ion Ratio Lower Upper
163 100
194 0.0 2.8 4.2#
164 9.8 8.3 12.5



#50
2,6-Dinitrotoluene
Concen: 2587.27 ng
RT: 10.04 min Scan# 740
Delta R.T. 0.38 min
Lab File: BF087913.D
Acq: 11 Jun 2016 20:33

Tgt Ion:165 Resp: 270447
Ion Ratio Lower Upper
165 100
63 37.7 28.1 42.1
89 61.7 32.2 48.2#





#51

Acenaphthene

Concen: 41.34 ng

RT: 10.51 min Scan# 781

Delta R.T. 0.59 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MS

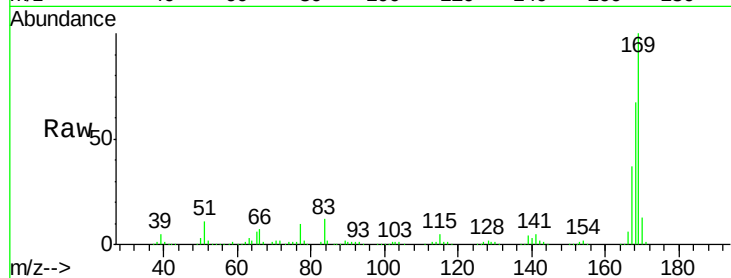
Tot Ion:154 Resp: 16725

Ion Ratio Lower Upper

154 100

153 23.5 89.5 134.3#

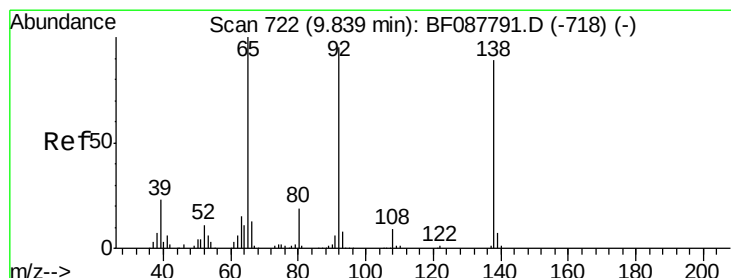
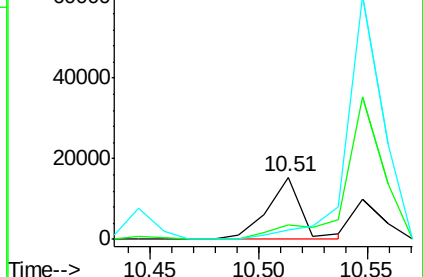
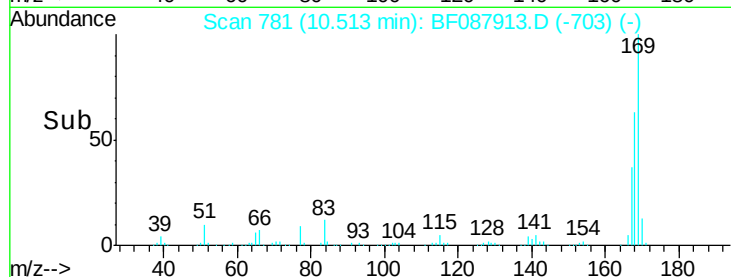
152 15.1 42.7 64.1#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 1469.58 ng

RT: 10.42 min Scan# 773

Delta R.T. 0.58 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

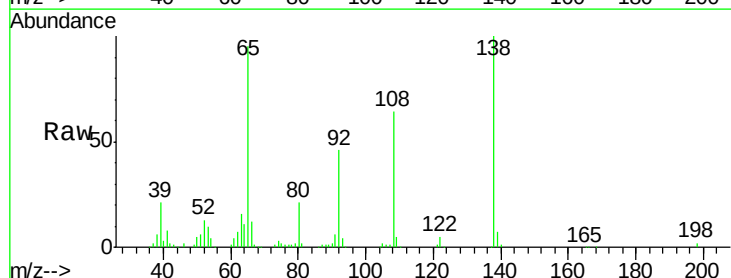
Tgt Ion:138 Resp: 177257

Ion Ratio Lower Upper

138 100

108 63.9 8.5 12.7#

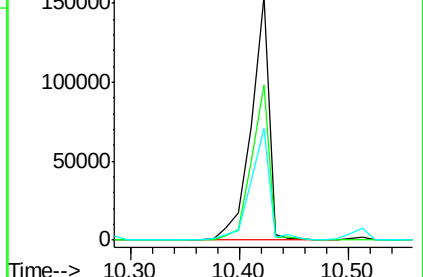
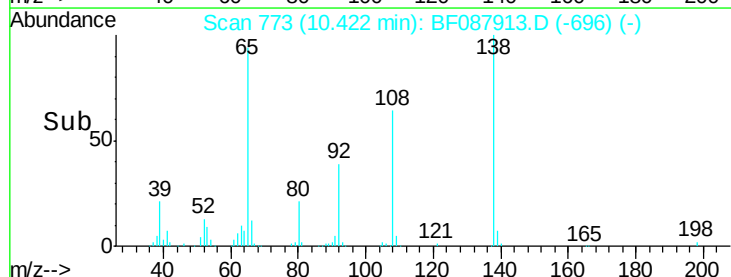
92 45.8 95.7 143.5#

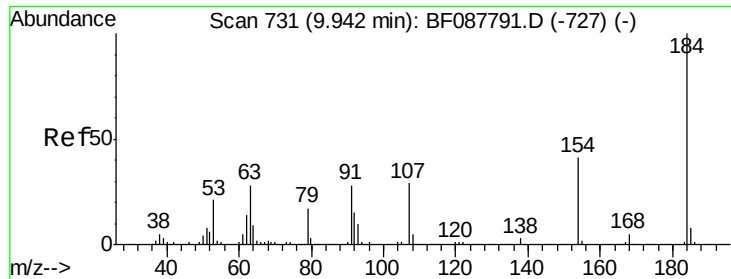


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

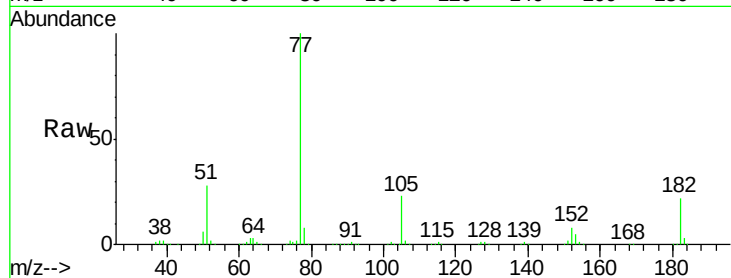




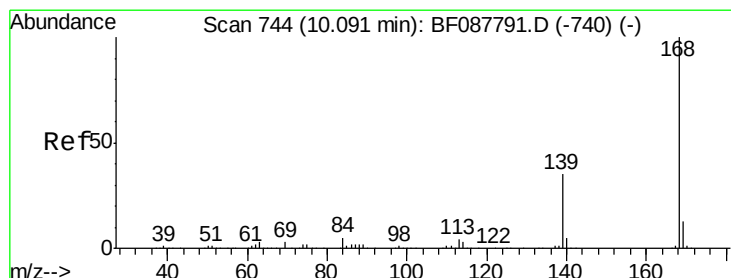
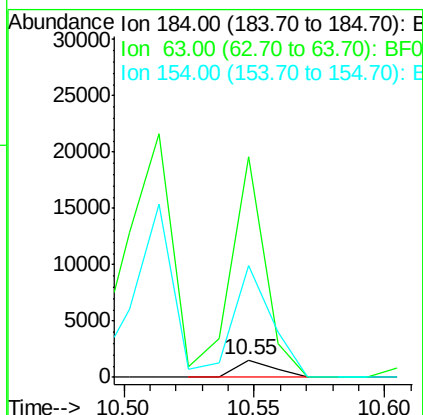
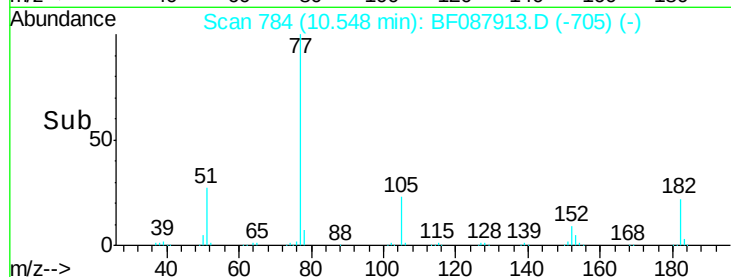
#53
 2,4-Dinitrophenol
 Concen: 32.45 ng
 RT: 10.55 min Scan# 784
 Delta R.T. 0.61 min
 Lab File: BF087913.D
 Acq: 11 Jun 2016 20:33

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-50-060616MS

Tot Ion:184 Resp: 1520
 Ion Ratio Lower Upper
 184 100
 63 1277.6 57.6 86.4#
 154 649.5 53.5 80.3#

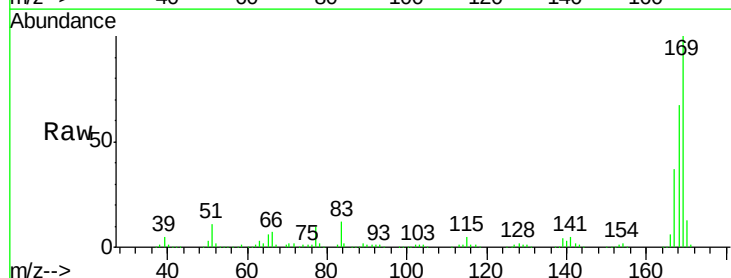


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

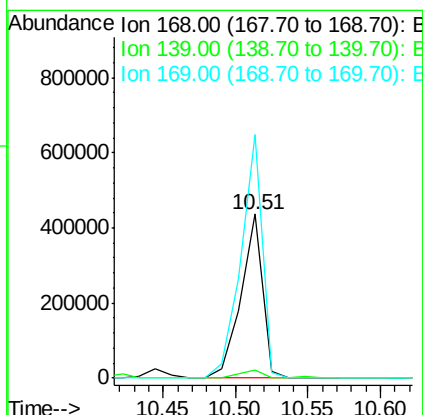
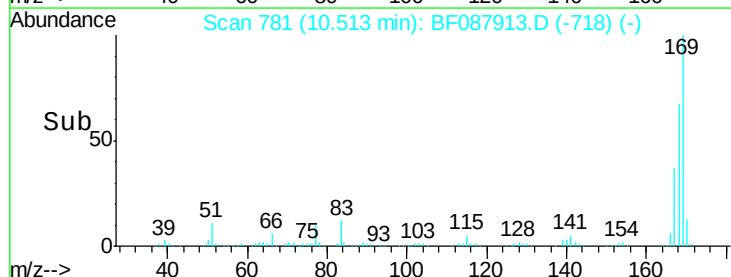


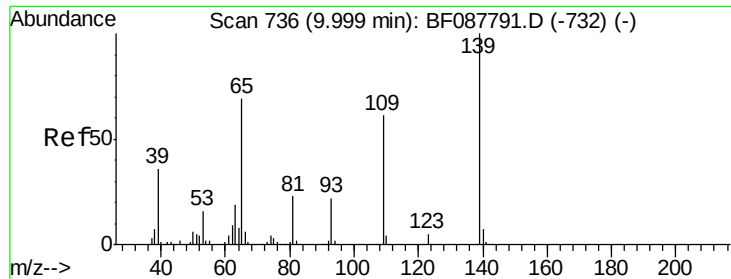
#54
 Dibenzofuran
 Concen: 816.51 ng
 RT: 10.51 min Scan# 781
 Delta R.T. 0.42 min
 Lab File: BF087913.D
 Acq: 11 Jun 2016 20:33

Tgt Ion:168 Resp: 454959
 Ion Ratio Lower Upper
 168 100
 139 5.2 26.4 39.6#
 169 148.4 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 1074.95 ng

RT: 10.40 min Scan# 771

Delta R.T. 0.40 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MS

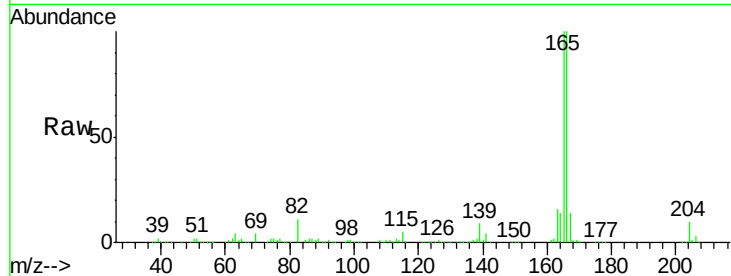
Tot Ion:139 Resp: 100634

Ion Ratio Lower Upper

139 100

109 3.6 48.9 88.9#

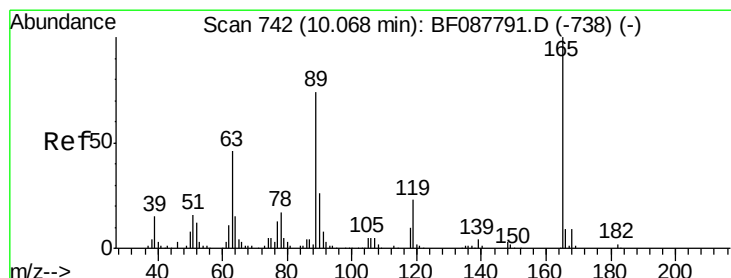
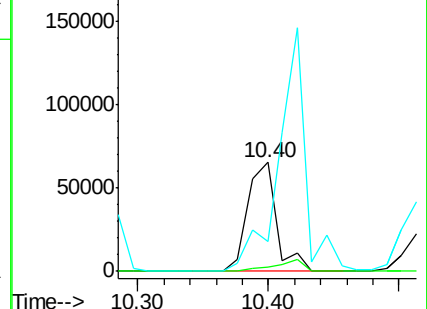
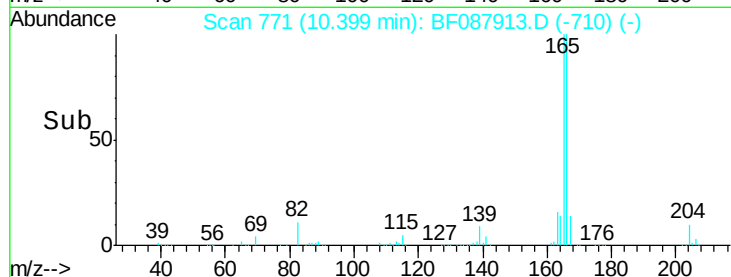
65 26.9 84.9 124.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 5402.82 ng

RT: 10.40 min Scan# 771

Delta R.T. 0.33 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

Tgt Ion:165 Resp: 725792

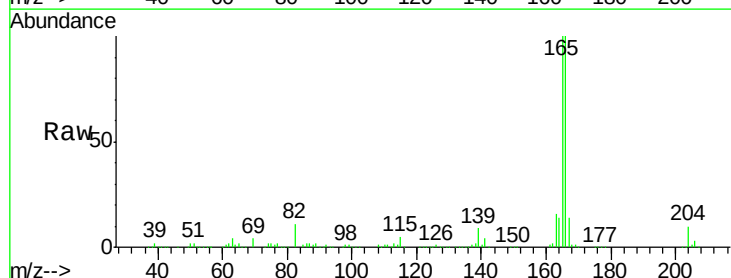
Ion Ratio Lower Upper

165 100

63 4.1 22.0 33.0#

89 2.1 41.1 61.7#

182 0.0 2.0 3.0#

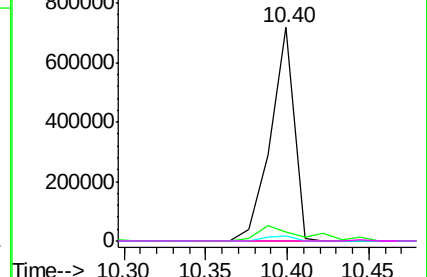
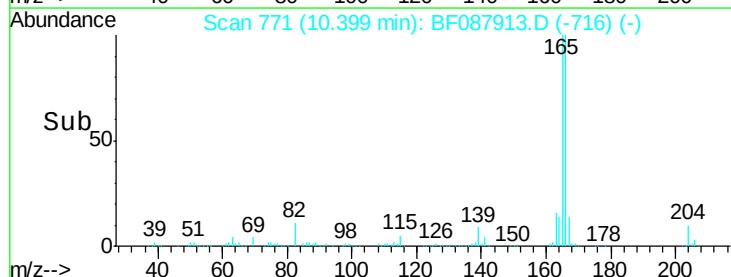


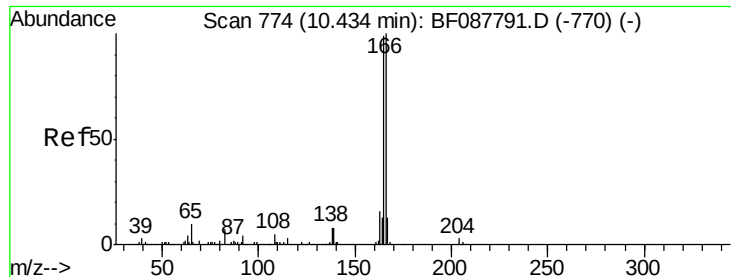
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: 35.62 ng

RT: 10.64 min Scan# 792

Delta R.T. 0.21 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MS

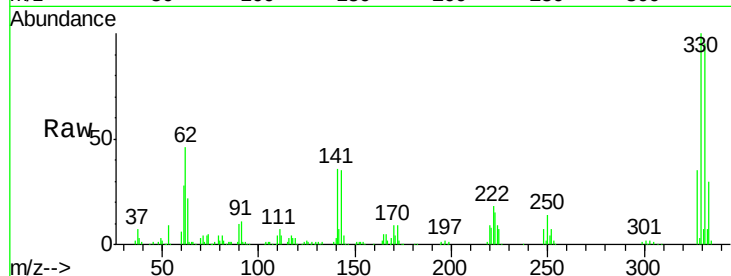
Tot Ion:166 Resp: 13790

Ion Ratio Lower Upper

166 100

165 105.7 77.8 116.8

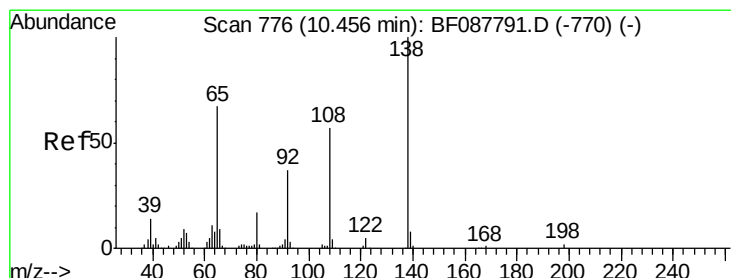
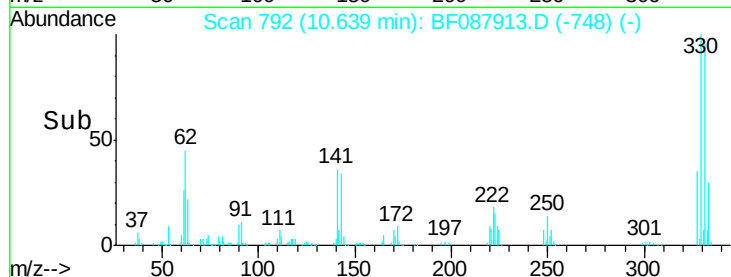
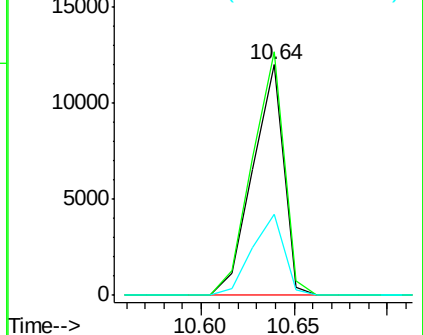
167 35.2 11.2 16.8#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#61

4-Nitroaniline

Concen: 13.48 ng

RT: 10.88 min Scan# 813

Delta R.T. 0.42 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

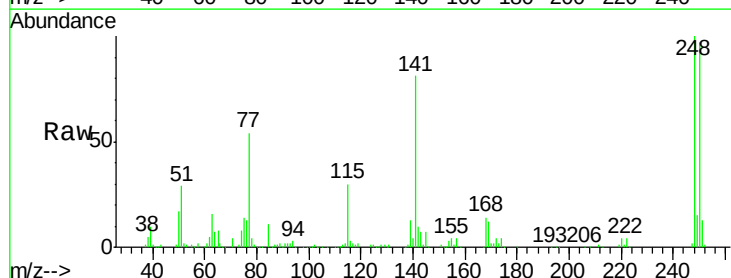
Tgt Ion:138 Resp: 1542

Ion Ratio Lower Upper

138 100

92 345.3 27.3 67.3#

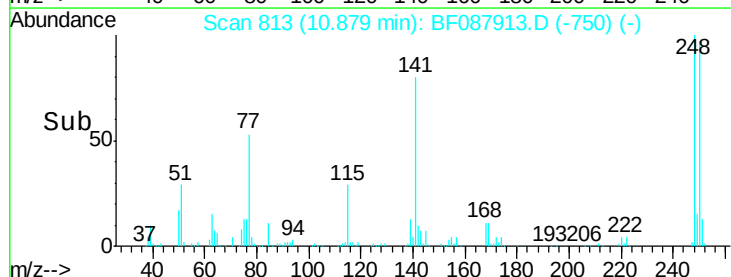
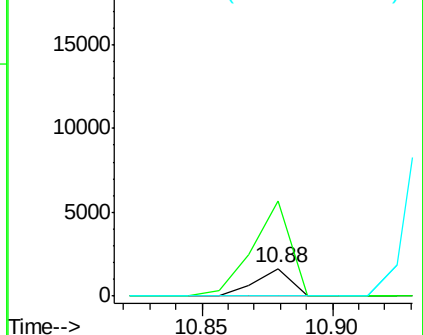
108 0.0 46.7 86.7#

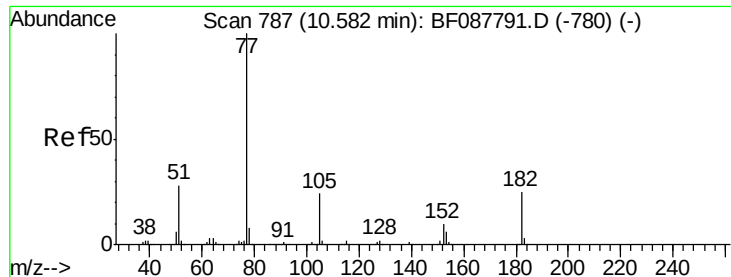


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 295.48 ng

RT: 10.88 min Scan# 813

Delta R.T. 0.30 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MS

Tot Ion: 77 Resp: 134997

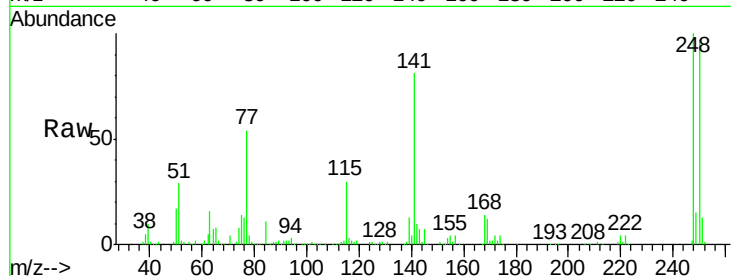
Ion Ratio Lower Upper

77 100

182 0.0 4.4 44.4#

105 0.7 3.8 43.8#

51 53.7 9.3 49.3#

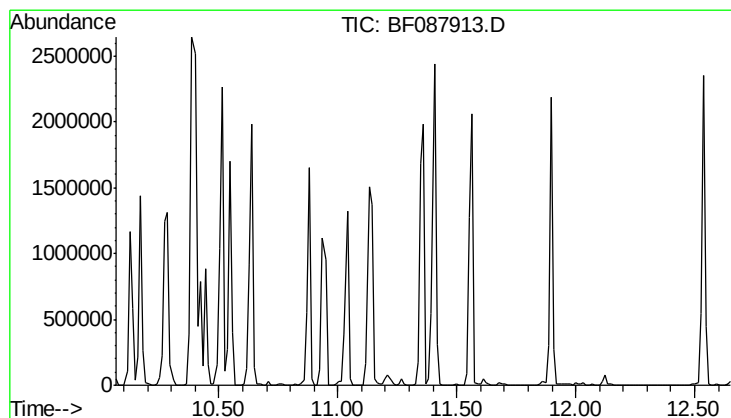
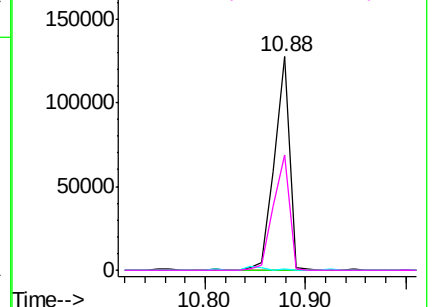
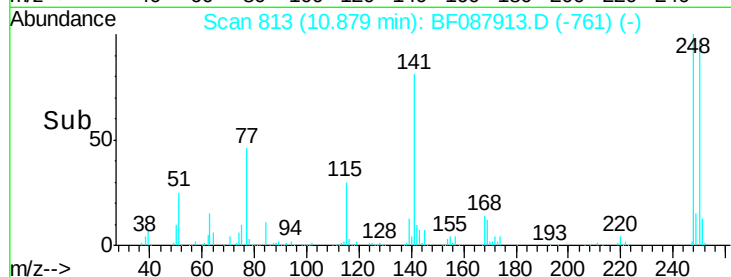


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 0.00 ng

Expected RT: 11.36 min

Lab File: BF087913.D

Acq: 11 Jun 2016 20:33

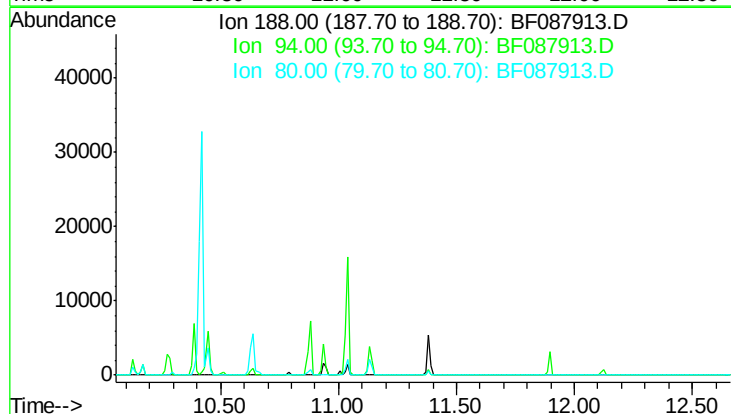
Tgt Ion: 188

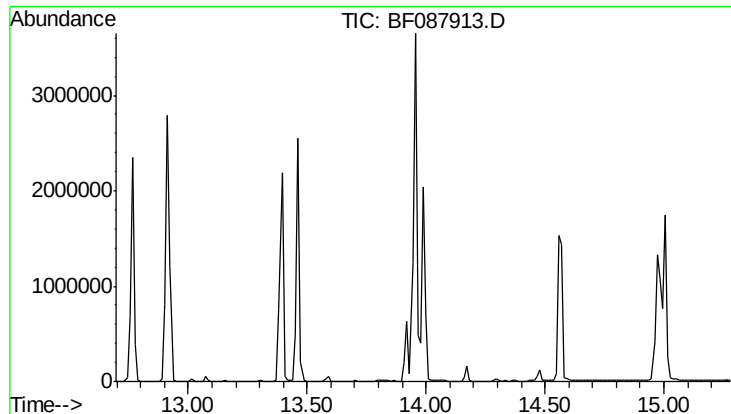
Sig Exp Ratio

188 100

94 11.3

80 12.5

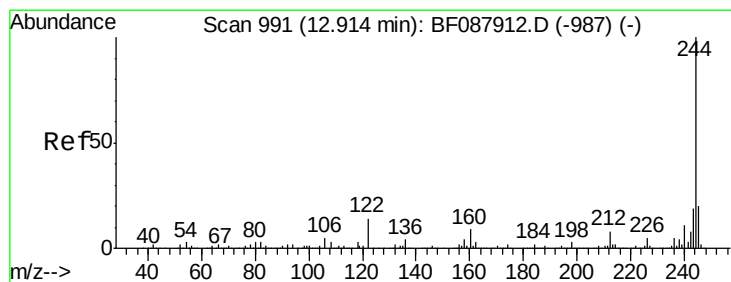
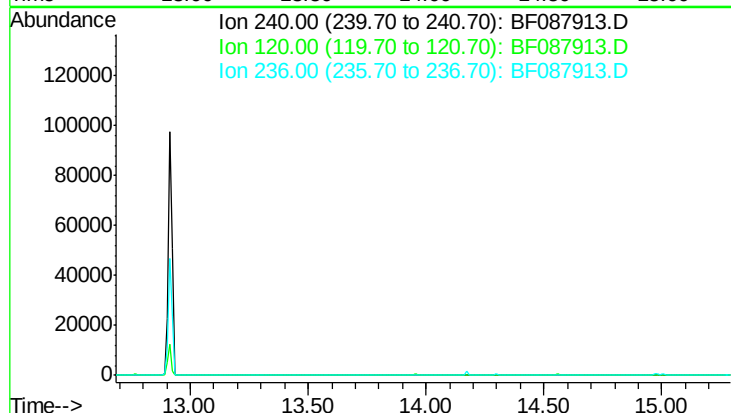




#75
 Chrvsene-d12
 Concen: 0.00 ng
 Expected RT: 13.99 min
 Lab File: BF087913.D
 Acq: 11 Jun 2016 20:33

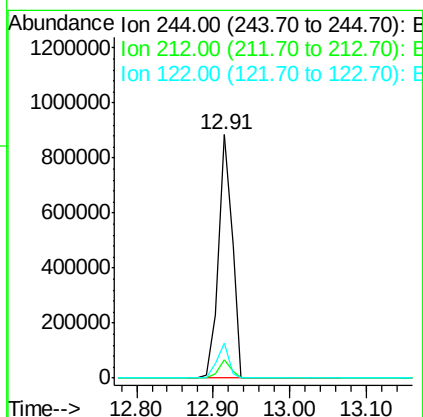
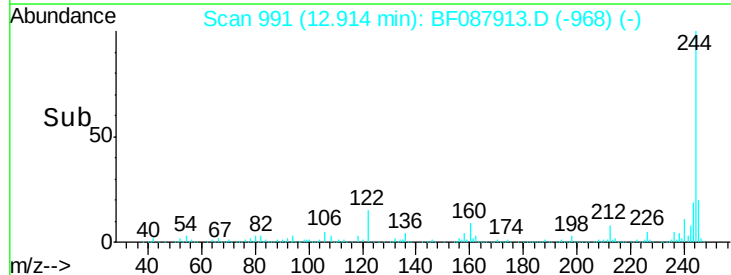
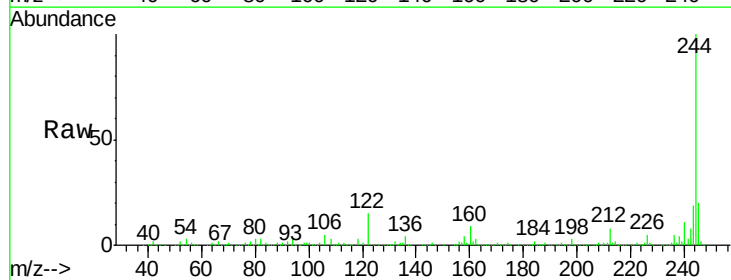
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-50-060616MS

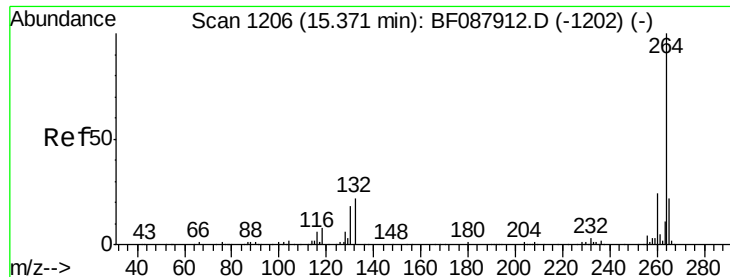
Tot Ion: 240
 Sig Exp Ratio
 240 100
 120 8.5
 236 25.2



#78
 Terphenyl-d14
 Concen: 0.00 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: BF087913.D
 Acq: 11 Jun 2016 20:33

Tgt Ion: 244 Resp: 1107171
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 14.6 11.2 16.8

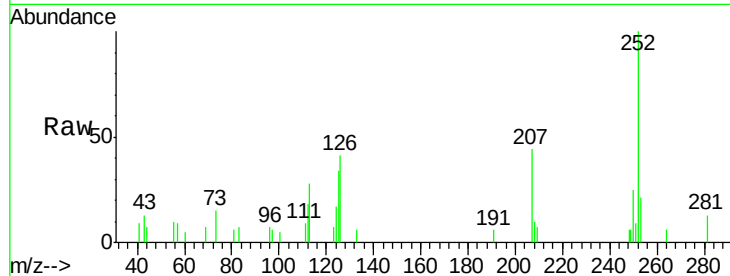




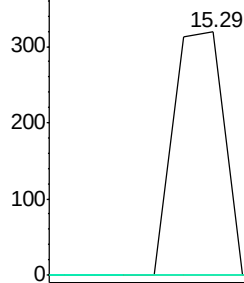
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1199
Delta R.T. -0.10 min
Lab File: BF087913.D
Acq: 11 Jun 2016 20:33

Instrument :
BNA_F
ClientSampleId :
HSR-WC-50-060616MS

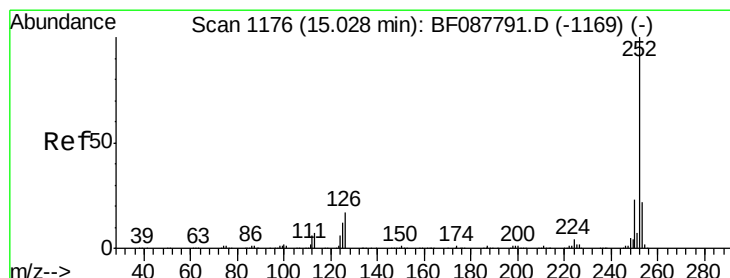
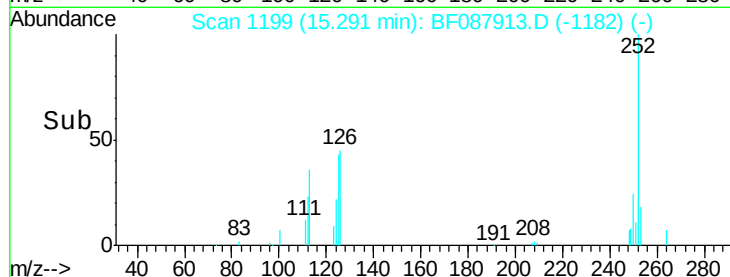
Tot Ion:264 Resp: 433
Ion Ratio Lower Upper
264 100
260 0.0 19.2 28.8#
265 0.0 16.9 25.3#



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

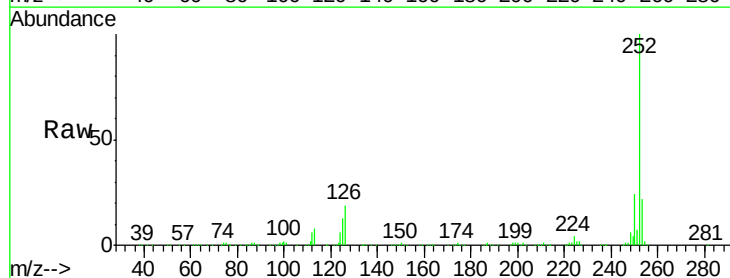


Time-->

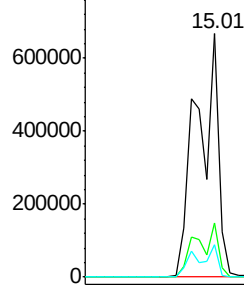


#87
Benzo(b)fluoranthene
Concen: 49611.67 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF087913.D
Acq: 11 Jun 2016 20:33

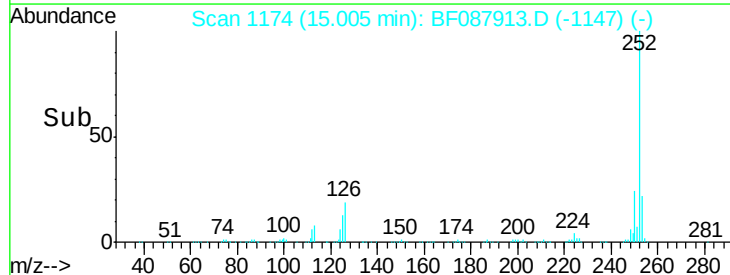
Tgt Ion:252 Resp: 1497264
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 13.2 7.1 10.7#

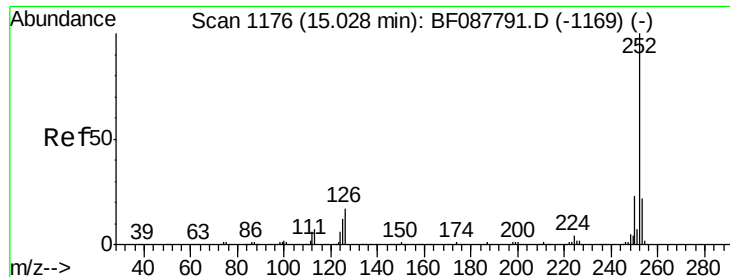


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->

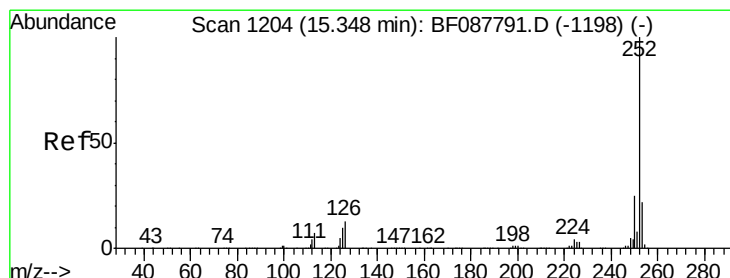
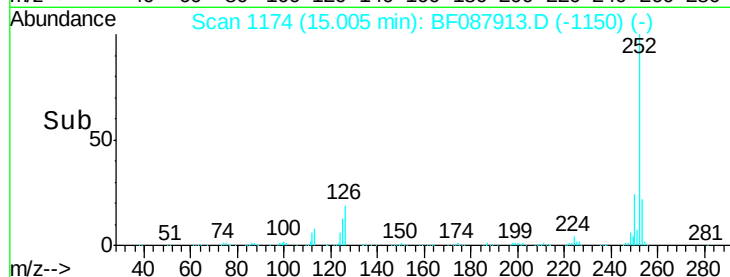
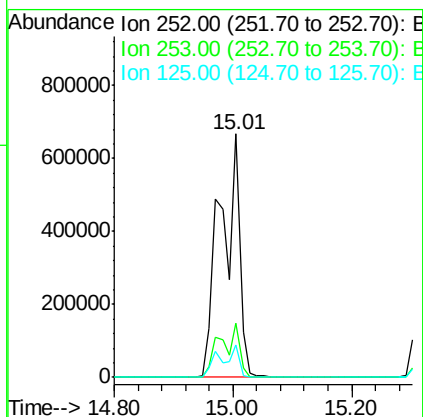
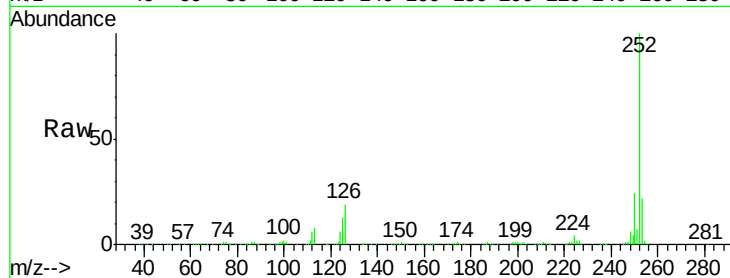




#88
Benzo(k)fluoranthene
Concen: 65828.31 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.02 min
Lab File: BF087913.D
Acq: 11 Jun 2016 20:33

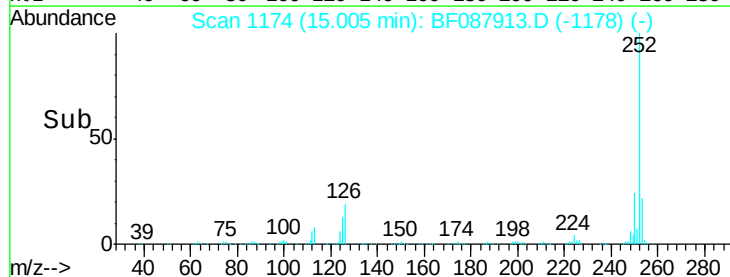
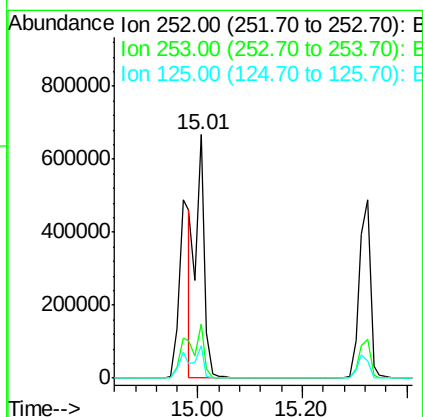
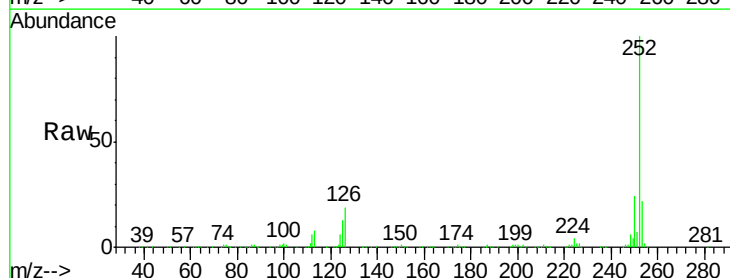
Instrument :
BNA_F
ClientSampleId :
HSR-WC-50-060616MS

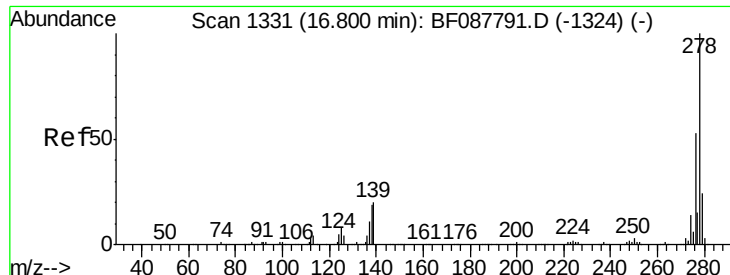
Tot Ion:252 Resp: 1498642
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 13.2 11.2 16.8



#89
Benzo(a)pyrene
Concen: 30627.91 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.34 min
Lab File: BF087913.D
Acq: 11 Jun 2016 20:33

Tgt Ion:252 Resp: 747848
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 13.2 12.5 18.7

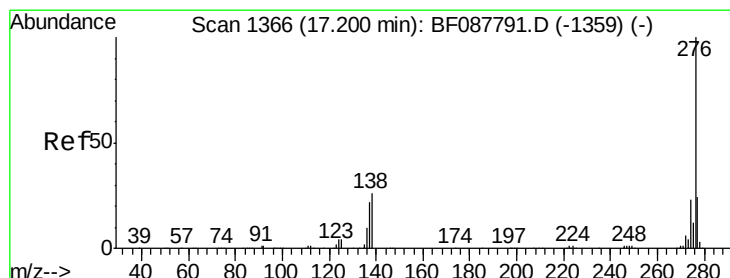
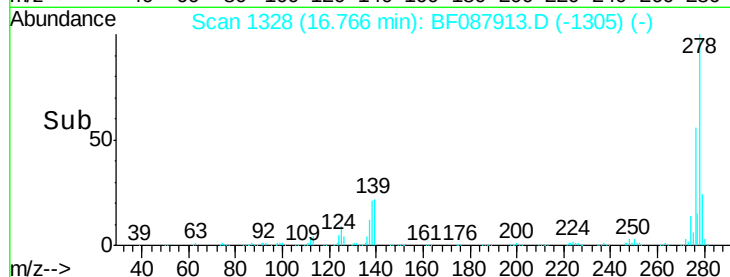
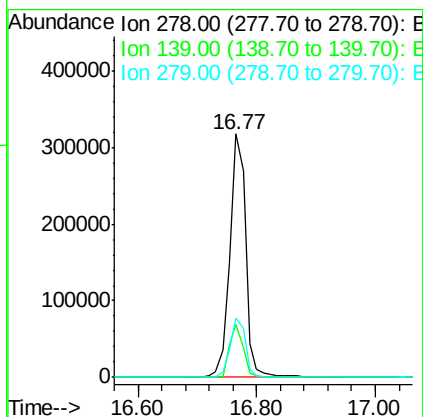
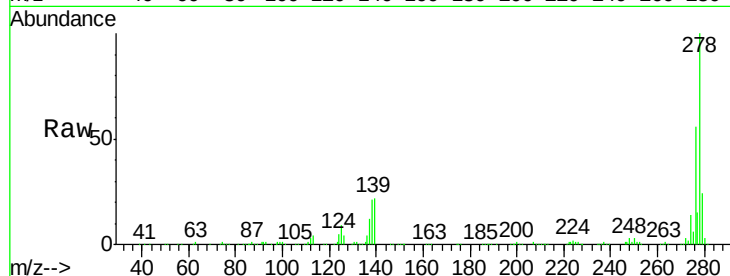




#90
Dibenzo(a,h)anthracene
Concen: 26059.55 ng
RT: 16.77 min Scan# 1328
Delta R.T. -0.03 min
Lab File: BF087913.D
Acq: 11 Jun 2016 20:33

Instrument :
BNA_F
ClientSampleId :
HSR-WC-50-060616MS

Tot Ion:278 Resp: 590983
Ion Ratio Lower Upper
278 100
139 21.5 15.7 23.5
279 24.5 19.4 29.2



#91
Benzo(g,h,i)perylene
Concen: 26543.84 ng
RT: 17.17 min Scan# 1363
Delta R.T. -0.03 min
Lab File: BF087913.D
Acq: 11 Jun 2016 20:33

Tgt Ion:276 Resp: 619218
Ion Ratio Lower Upper
276 100
277 24.0 18.9 28.3
138 25.7 21.4 32.2

