

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051316\
 Data File : BF086990.D
 Acq On : 14 May 2016 00:46
 Operator : UM/SJ
 Sample : H2945-01MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MS

Quant Time: May 14 01:39:33 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 23:02:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	139111	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	559478	20.00	ng	-0.01
38) Acenaphthene-d10	9.64	164	273113	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	543729	20.00	ng	0.00
75) Chrysene-d12	13.76	240	415372	20.00	ng	0.00
86) Perylene-d12	15.11	264	317006	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.22	112	1066907	129.88	ng	0.02
7) Phenol-d6	6.28	99	1389474	126.57	ng	0.00
23) Nitrobenzene-d5	7.19	82	1032755	92.69	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	436699	151.04	ng	0.00
44) 2-Fluorobiphenyl	8.98	172	1499225	92.26	ng	0.00
78) Terphenyl-d14	12.72	244	1657801	84.68	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.25	88	147113	36.48	ng	# 67
3) Pyridine	2.90	79	114624	11.63	ng	# 63
4) n-Nitrosodimethylamine	2.80	42	317881	44.46	ng	# 52
6) Aniline	6.30	93	73369	5.53	ng	# 1
8) 2-Chlorophenol	6.41	128	421886	42.56	ng	96
9) Benzaldehyde	6.17	77	29217	4.60	ng	97
10) Phenol	6.30	94	506321	38.80	ng	# 70
11) bis(2-Chloroethyl)ether	6.36	93	475270	46.71	ng	89
12) 1,3-Dichlorobenzene	6.79	146	337860	31.50	ng	99
13) 1,4-Dichlorobenzene	6.79	146	342289	31.29	ng	97
14) 1,2-Dichlorobenzene	6.79	146	345570	36.25	ng	97
15) Benzyl Alcohol	6.78	79	405676	53.51	ng	# 87
16) 2,2'-oxybis(1-Chloropropan	6.90	45	879261	39.75	ng	56
17) 2-Methylphenol	6.90	107	354558	44.95	ng	# 79
18) Hexachloroethane	7.12	117	134254	32.62	ng	98
19) n-Nitroso-di-n-propylamine	7.05	70	388523	50.64	ng	# 74
20) 3+4-Methylphenols	7.06	107	484944	47.08	ng	# 61
22) Acetophenone	7.04	105	642797	48.64	ng	100
24) Nitrobenzene	7.21	77	558027	48.69	ng	97
25) Isophorone	7.45	82	936681	45.31	ng	98
26) 2-Nitrophenol	7.53	139	240990	47.83	ng	# 95
27) 2,4-Dimethylphenol	7.59	122	402894	46.94	ng	92
28) bis(2-Chloroethoxy)methane	7.67	93	551008	49.41	ng	98
29) 2,4-Dichlorophenol	7.78	162	364296	48.23	ng	94
30) 1,2,4-Trichlorobenzene	7.85	180	345604	40.92	ng	98
31) Naphthalene	7.92	128	1130603	40.35	ng	99
32) Benzoic acid	7.75	122	247035	49.01	ng	# 81
33) 4-Chloroaniline	7.99	127	78016	7.16	ng	# 90
34) Hexachlorobutadiene	8.04	225	183224	37.39	ng	99
35) Caprolactam	8.38	113	60081	23.38	ng	# 43
36) 4-Chloro-3-methylphenol	8.49	107	408462	44.59	ng	90
37) 2-Methylnaphthalene	8.62	142	812296	49.58	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.78	216	319321	40.21	ng	97
40) Hexachlorocyclopentadiene	8.76	237	249058	66.08	ng	96

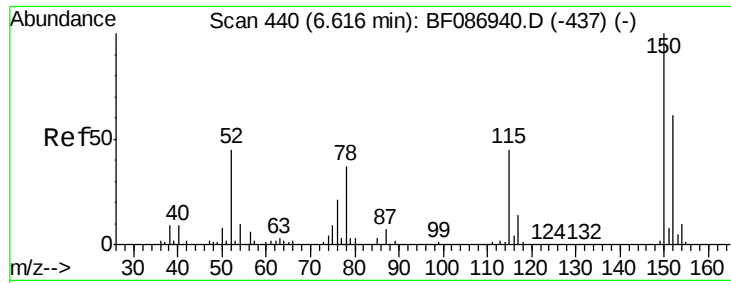
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.90	196	239896	45.18	ng	95
43) 2,4,5-Trichlorophenol	8.96	196	268079	48.82	ng	96
45) 1,1'-Biphenyl	9.08	154	1030871	47.45	ng	100
46) 2-Chloronaphthalene	9.10	162	757706	44.52	ng	92
47) 2-Nitroaniline	9.21	65	297838	47.88	ng	# 74
48) Acenaphthylene	9.52	152	1198463	47.87	ng	99
49) Dimethylphthalate	9.39	163	950954	45.64	ng	99
50) 2,6-Dinitrotoluene	9.45	165	209683	47.82	ng	# 68
51) Acenaphthene	9.68	154	739565	47.49	ng	98
52) 3-Nitroaniline	9.62	138	104357	22.61	ng	# 81
53) 2,4-Dinitrophenol	9.74	184	223010	97.64	ng	# 76
54) Dibenzofuran	9.86	168	1097025	54.88	ng	99
55) 4-Nitrophenol	9.82	139	273084	88.22	ng	# 48
56) 2,4-Dinitrotoluene	9.86	165	284450	52.42	ng	# 92
57) Fluorene	10.19	166	826098	48.46	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.99	232	234675	56.76	ng	99
59) Diethylphthalate	10.09	149	916305	45.13	ng	98
60) 4-Chlorophenyl-phenylether	10.19	204	368803	51.55	ng	97
61) 4-Nitroaniline	10.24	138	212227	47.87	ng	# 67
62) Azobenzene	10.35	77	1142669	52.16	ng	88
64) 4,6-Dinitro-2-methylphenol	10.27	198	165565	49.02	ng	90
65) n-Nitrosodiphenylamine	10.32	169	754724	45.18	ng	99
66) 4-Bromophenyl-phenylether	10.68	248	253930	46.06	ng	# 81
67) Hexachlorobenzene	10.74	284	279867	43.44	ng	# 78
68) Atrazine	10.86	200	252239	45.20	ng	94
69) Pentachlorophenol	10.95	266	313320	105.23	ng	96
70) Phenanthrene	11.15	178	1285462	44.30	ng	99
71) Anthracene	11.21	178	1397811	47.10	ng	99
72) Carbazole	11.37	167	1290463	50.59	ng	99
73) Di-n-butylphthalate	11.70	149	1359754	43.65	ng	# 98
74) Fluoranthene	12.33	202	1275070	42.72	ng	99
76) Benzidine	12.47	184	53239	5.03	ng	99
77) Pyrene	12.56	202	1286675	40.46	ng	98
79) Butylbenzylphthalate	13.19	149	587402	43.67	ng	# 66
80) Benzo(a)anthracene	13.75	228	1067375	45.77	ng	99
81) 3,3'-Dichlorobenzidine	13.71	252	178399	12.04	ng	99
82) Chrysene	13.78	228	1014892	42.79	ng	99
83) Bis(2-ethylhexyl)phthalate	13.75	149	727960	44.99	ng	# 94
84) Di-n-octyl phthalate	14.37	149	1320775	49.28	ng	# 86
85) Indeno(1,2,3-cd)pyrene	16.37	276	863144	43.74	ng	95
87) Benzo(b)fluoranthene	14.78	252	1922735	93.33	ng	# 94
88) Benzo(k)fluoranthene	14.78	252	1923772	114.04	ng	# 96
89) Benzo(a)pyrene	15.06	252	851658	47.93	ng	98
90) Dibenzo(a,h)anthracene	16.38	278	723126	48.28	ng	# 92
91) Benzo(g,h,i)perylene	16.73	276	743247	48.84	ng	94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. 0.00 min

Lab File: BF086990.D

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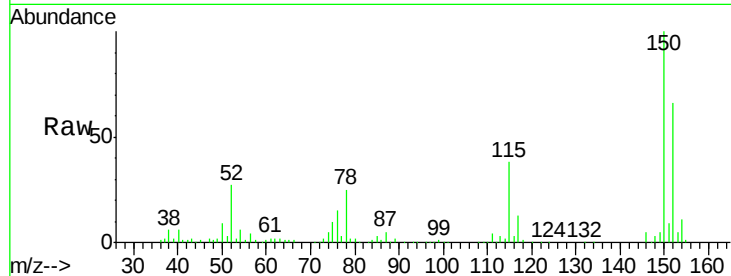
Tgt Ion: 152 Resp: 139111

Ion Ratio Lower Upper

152 100

150 152.3 125.8 188.6

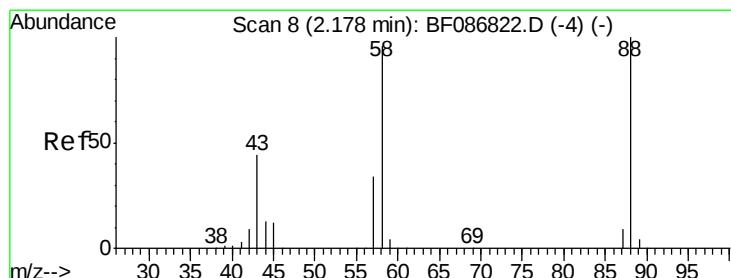
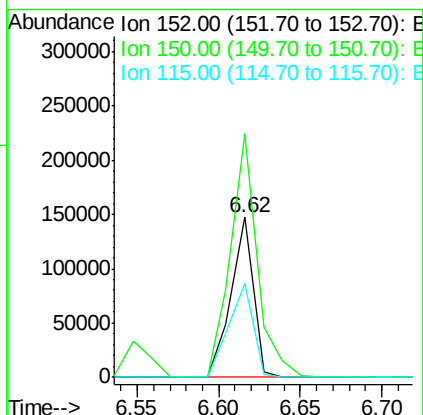
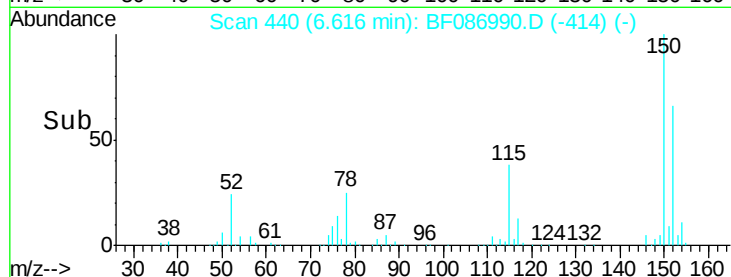
115 58.5 51.5 77.3



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



#2

1,4-Dioxane

Concen: 36.48 ng

RT: 2.25 min Scan# 58

Delta R.T. 0.22 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

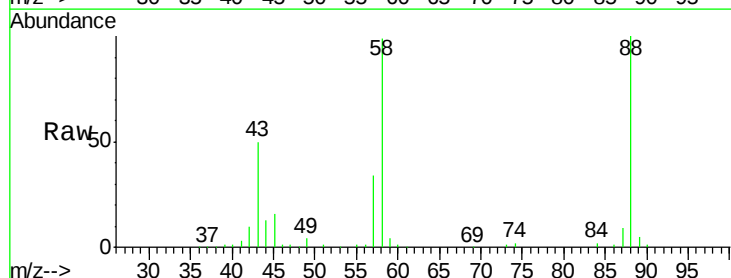
Tgt Ion: 88 Resp: 147113

Ion Ratio Lower Upper

88 100

58 96.6 59.6 89.4#

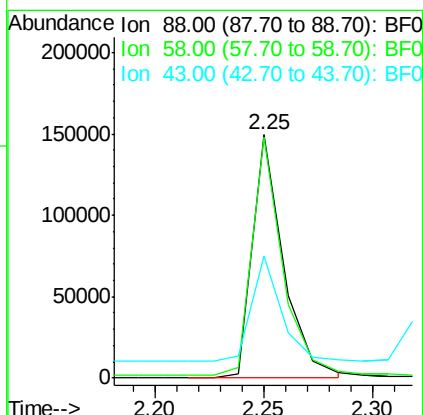
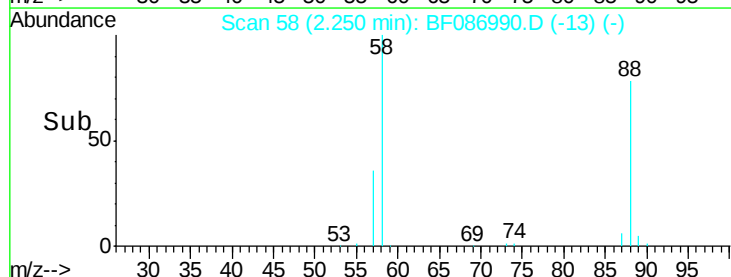
43 0.0 21.8 32.6#

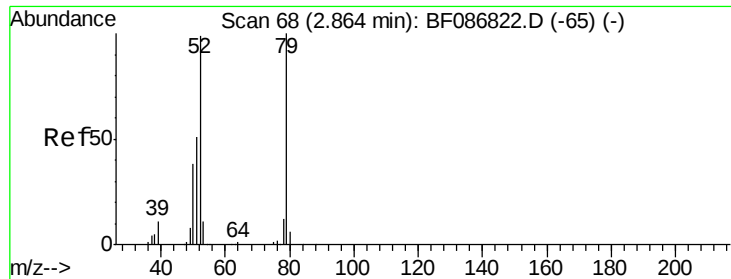


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 11.63 ng

RT: 2.90 min Scan# 115

Delta R.T. 0.23 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

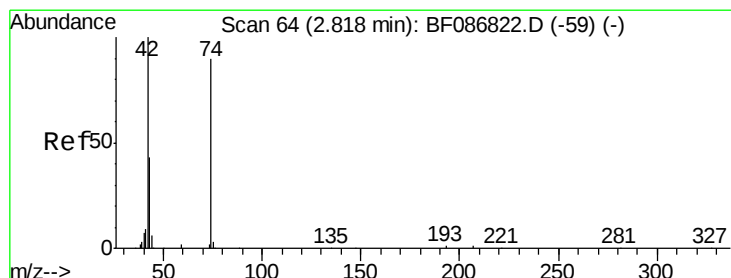
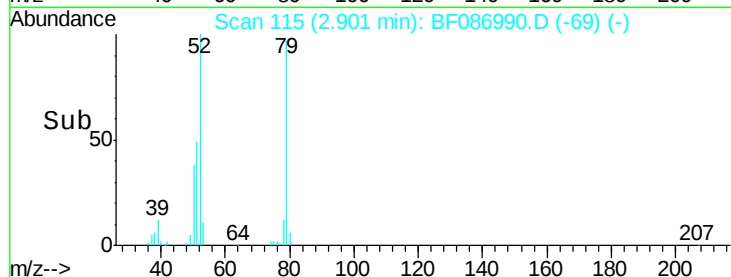
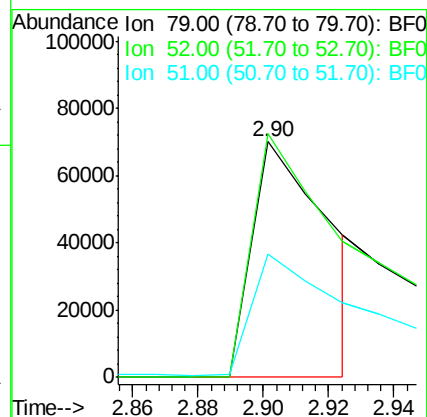
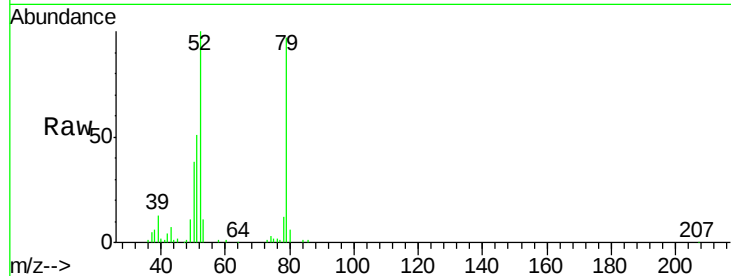
Tgt Ion: 79 Resp: 114624

Ion Ratio Lower Upper

79 100

52 103.4 55.9 83.9#

51 52.3 28.1 42.1#



#4

n-Nitrosodimethylamine

Concen: 44.46 ng

RT: 2.80 min Scan# 106

Delta R.T. 0.16 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

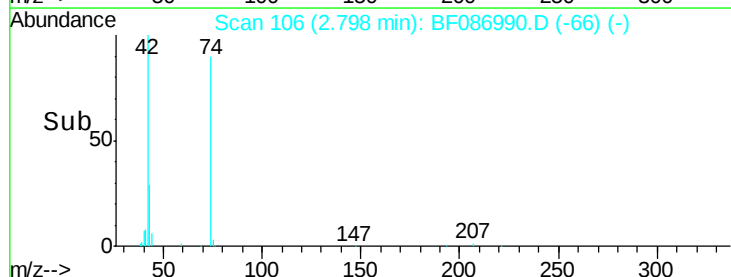
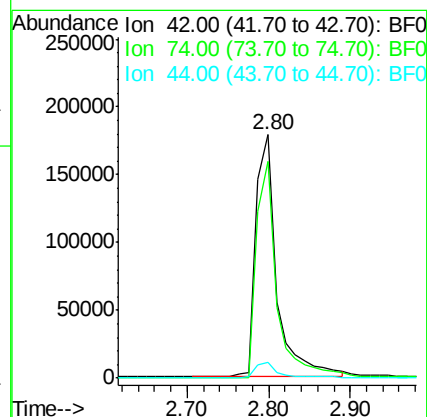
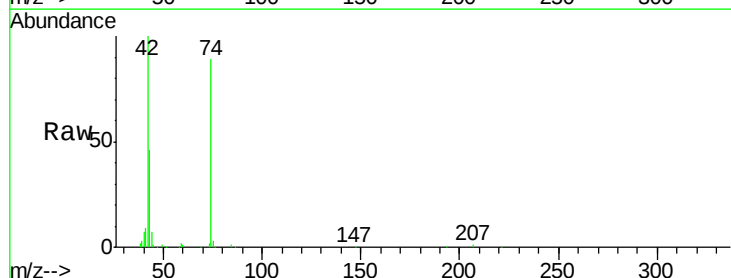
Tgt Ion: 42 Resp: 317881

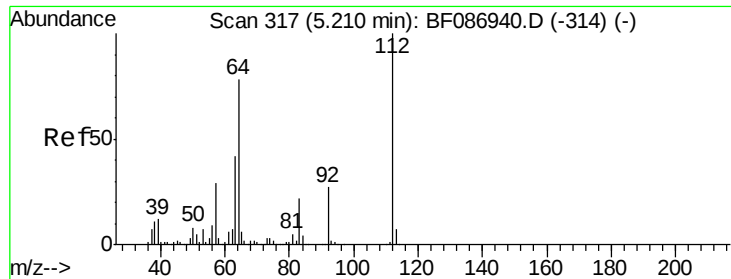
Ion Ratio Lower Upper

42 100

74 89.0 123.4 185.0#

44 6.6 5.8 8.6





#5

2-Fluorophenol

Concen: 129.88 ng

RT: 5.22 min Scan# 318

Delta R.T. 0.02 min

Lab File: BF086990.D

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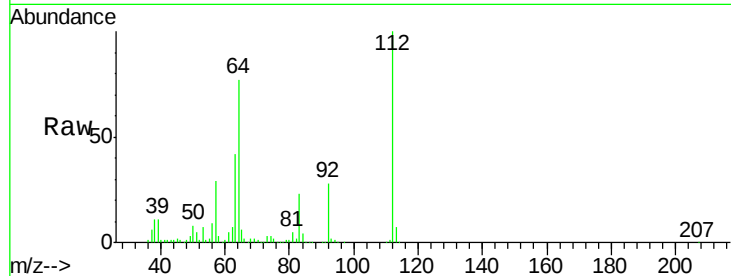
Tgt Ion:112 Resp: 1066907

Ion Ratio Lower Upper

112 100

64 77.4 52.1 78.1

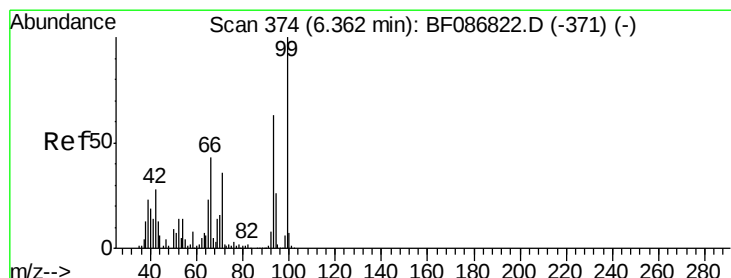
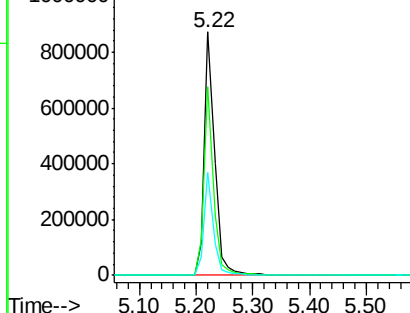
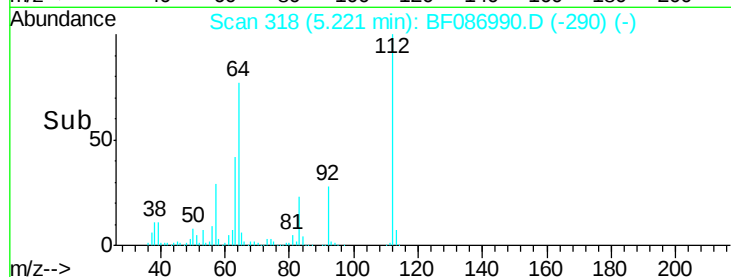
63 42.2 25.7 38.5#



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: 5.53 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.01 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

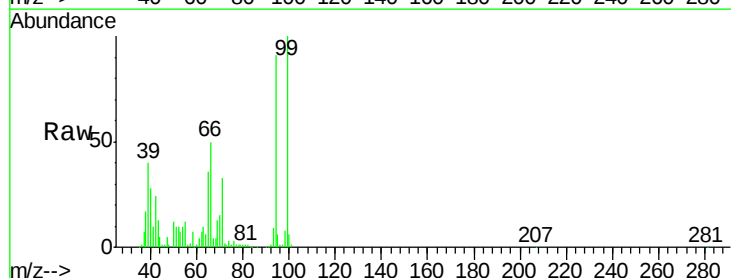
Tgt Ion: 93 Resp: 73369

Ion Ratio Lower Upper

93 100

66 581.1 39.0 58.6#

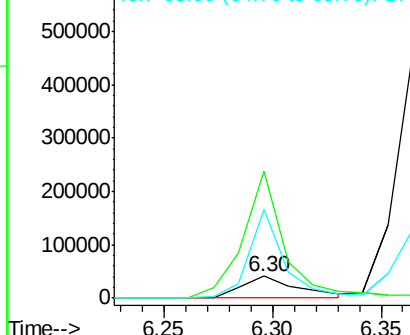
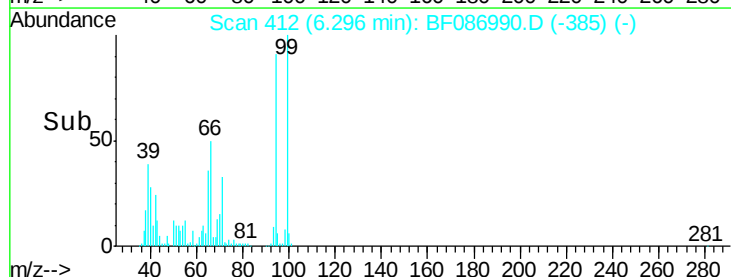
65 409.7 20.6 31.0#

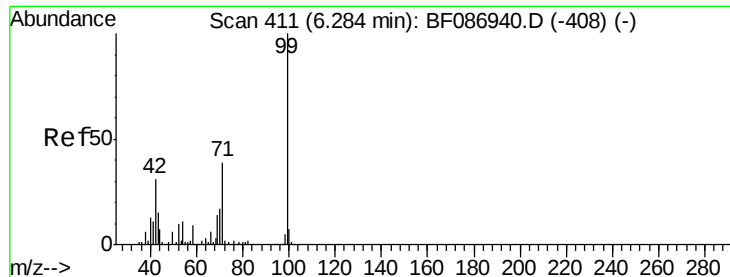


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 126.57 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF086990.D

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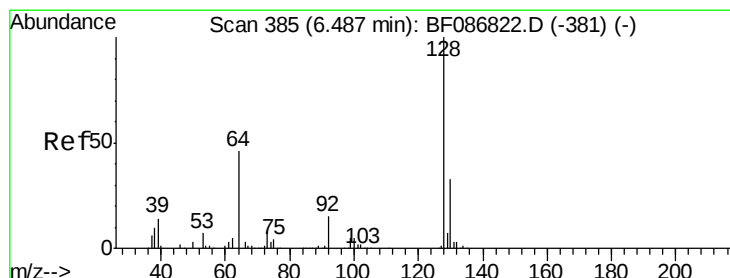
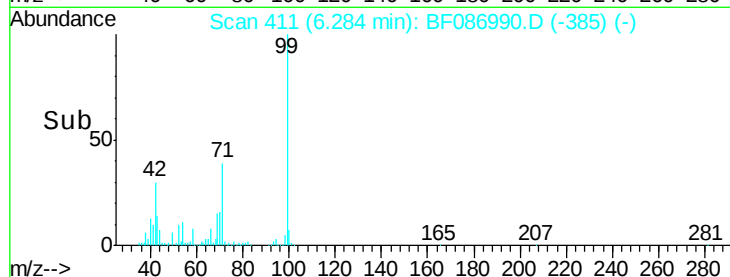
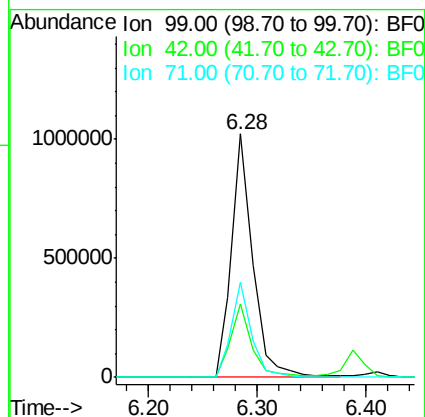
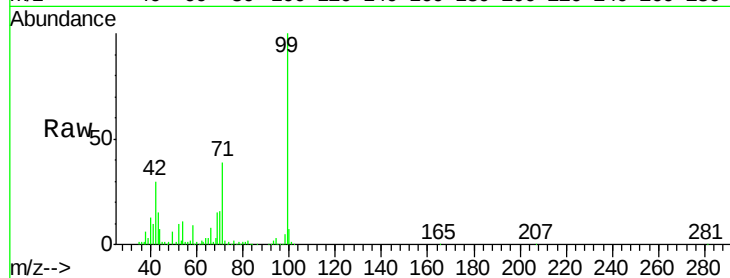
Tgt Ion: 99 Resp: 1389474

Ion Ratio Lower Upper

99 100

42 30.2 13.6 20.4#

71 38.9 24.6 36.8#



#8

2-Chlorophenol

Concen: 42.56 ng

RT: 6.41 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

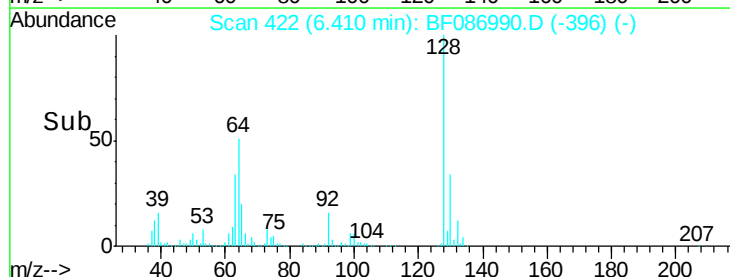
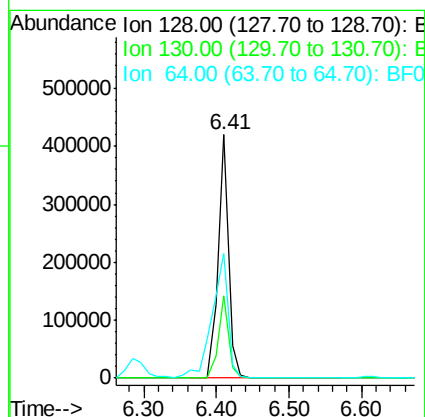
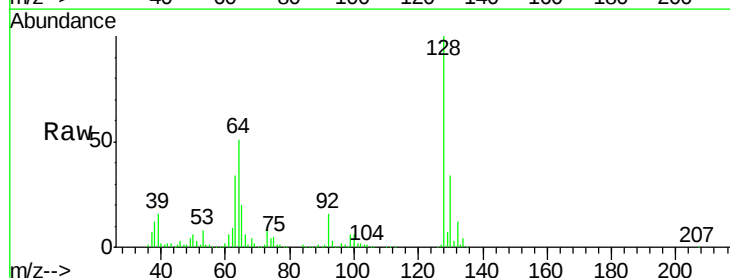
Tgt Ion: 128 Resp: 421886

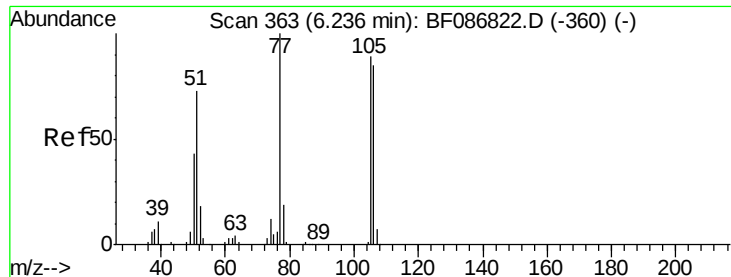
Ion Ratio Lower Upper

128 100

130 33.8 12.5 52.5

64 51.3 27.3 67.3





#9

Benzaldehyde

Concen: 4.60 ng

RT: 6.17 min Scan# 401

Delta R.T. 0.01 min

Lab File: BF086990.D

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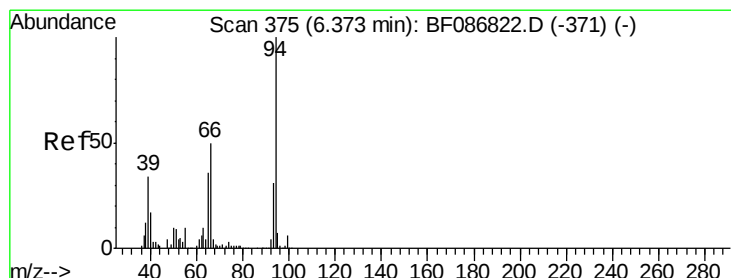
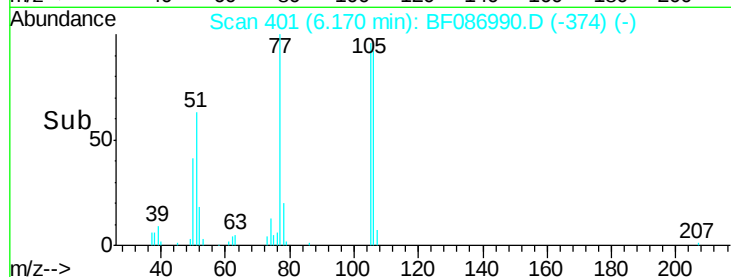
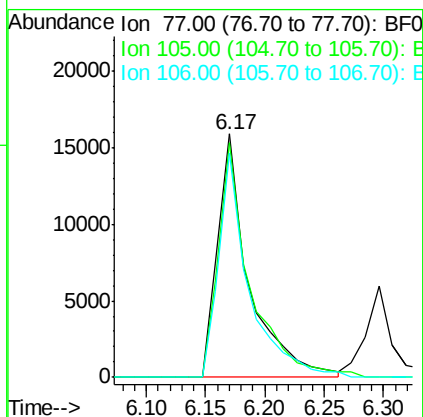
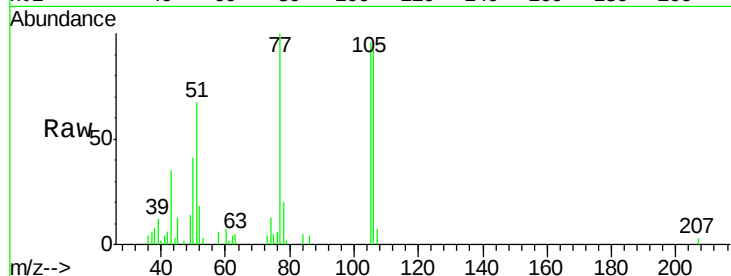
Tgt Ion: 77 Resp: 29217

Ion Ratio Lower Upper

77 100

105 96.4 72.7 112.7

106 92.2 70.8 110.8



#10

Phenol

Concen: 38.80 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

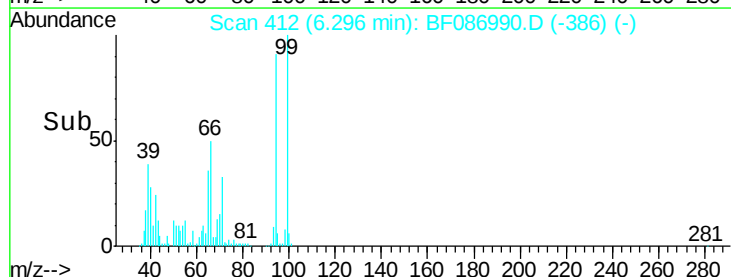
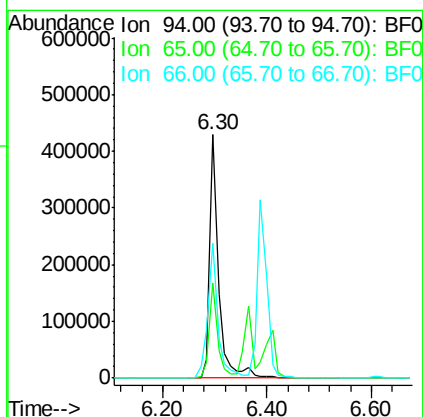
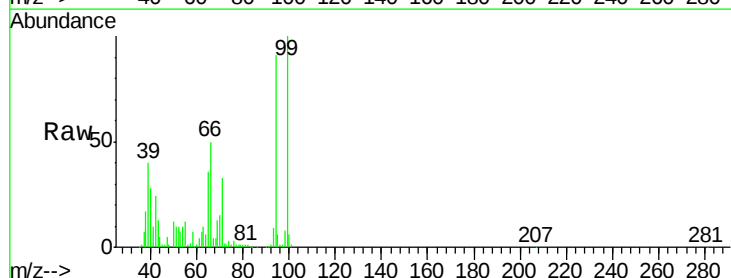
Tgt Ion: 94 Resp: 506321

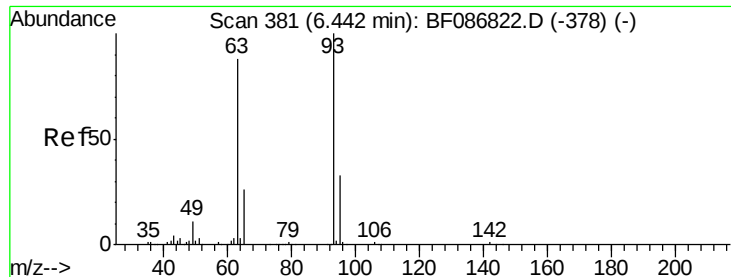
Ion Ratio Lower Upper

94 100

65 39.0 7.2 47.2

66 55.3 14.9 54.9#

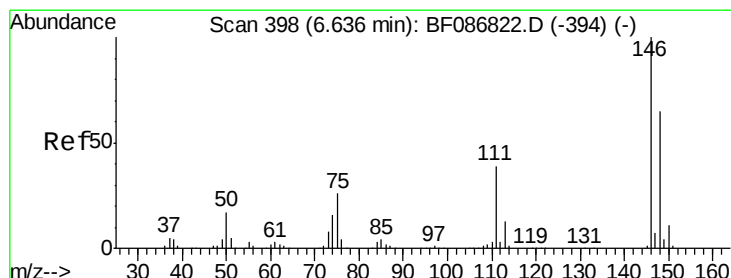
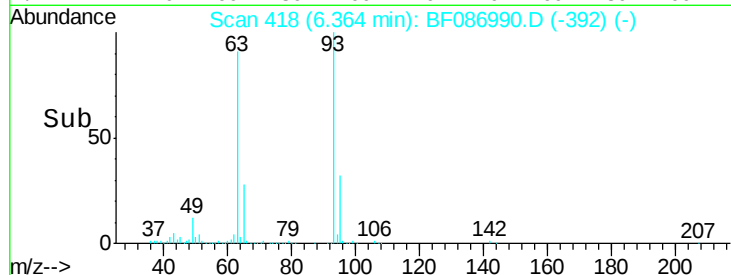
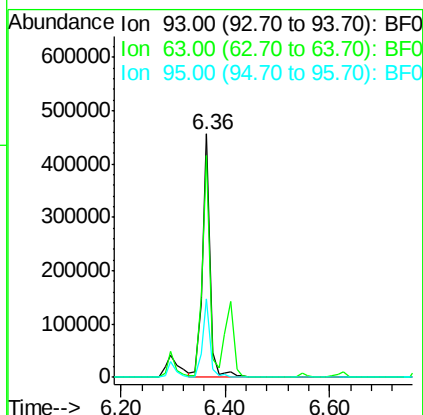
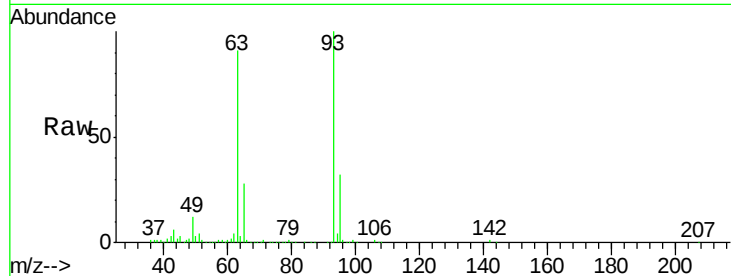




#11
bis(2-Chloroethyl)ether
Concen: 46.71 ng
RT: 6.36 min Scan# 418
Delta R.T. 0.00 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

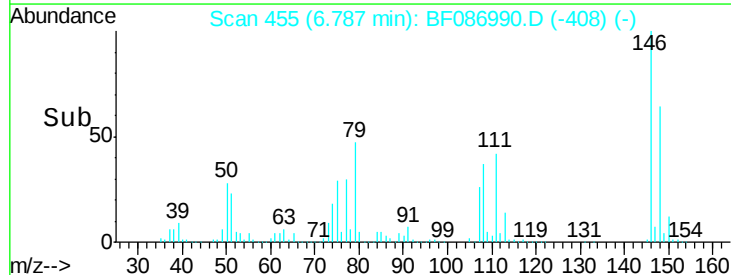
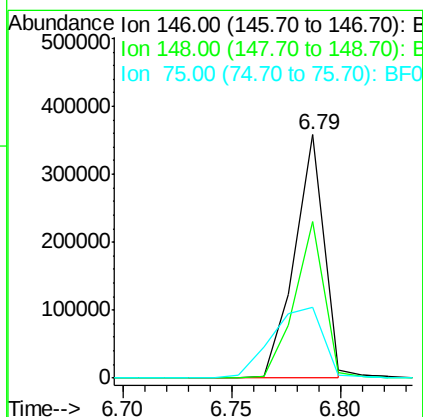
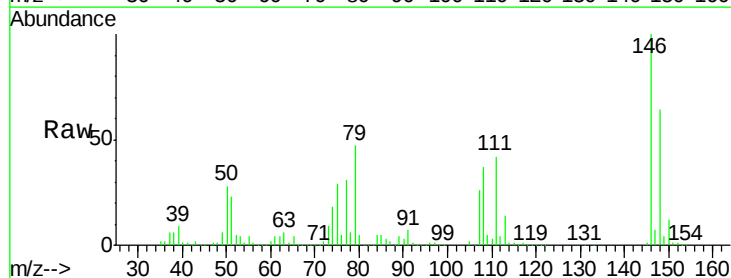
Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

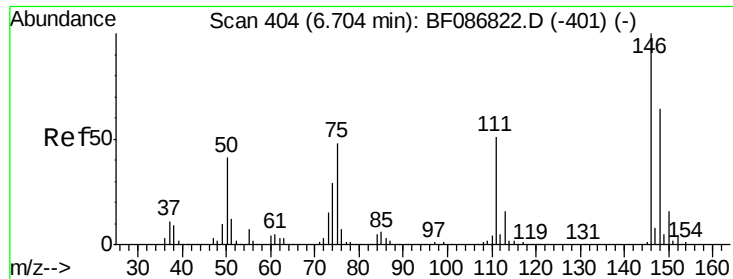
Tgt Ion: 93 Resp: 475270
Ion Ratio Lower Upper
93 100
63 90.9 58.0 98.0
95 32.4 11.9 51.9



#12
1,3-Dichlorobenzene
Concen: 31.50 ng
RT: 6.79 min Scan# 455
Delta R.T. 0.24 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

Tgt Ion: 146 Resp: 337860
Ion Ratio Lower Upper
146 100
148 64.4 52.4 78.6
75 29.0 22.8 34.2





#13

1,4-Dichlorobenzene

Concen: 31.29 ng

RT: 6.79 min Scan# 455

Delta R.T. 0.16 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

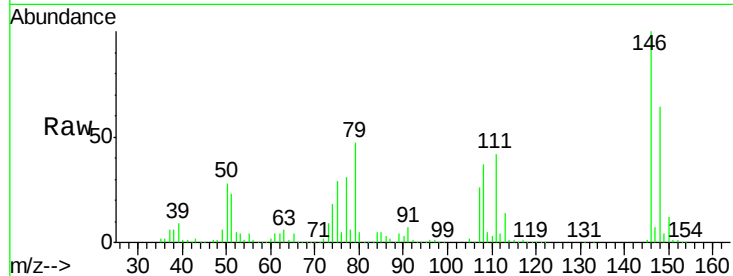
Tgt Ion:146 Resp: 342289

Ion Ratio Lower Upper

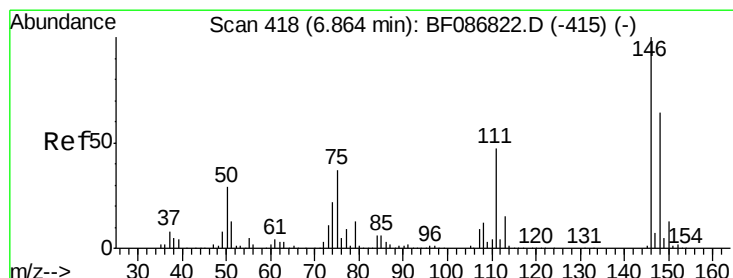
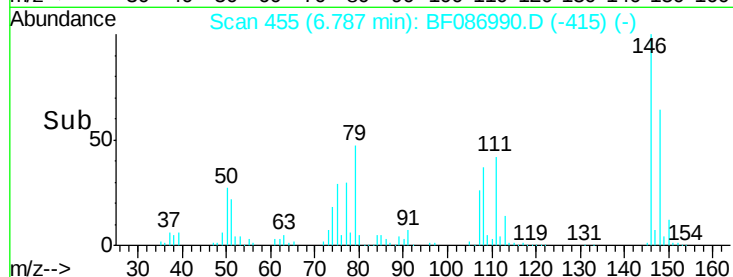
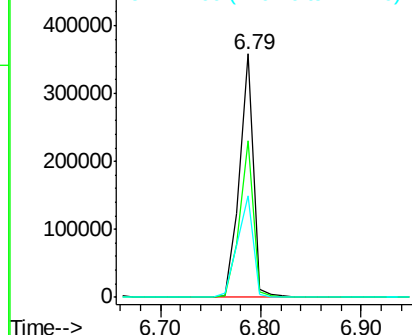
146 100

148 64.4 52.2 78.4

111 41.6 30.7 46.1



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: 36.25 ng

RT: 6.79 min Scan# 455

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

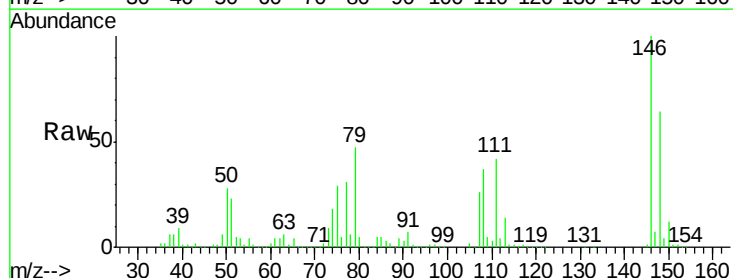
Tgt Ion:146 Resp: 345570

Ion Ratio Lower Upper

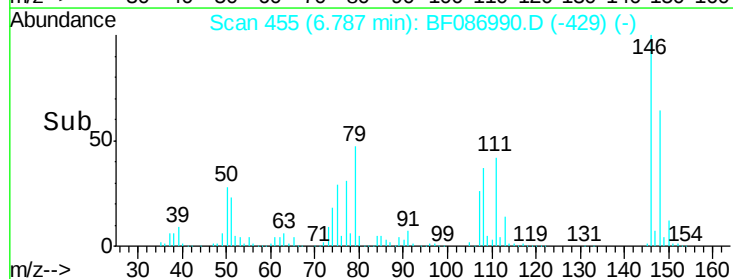
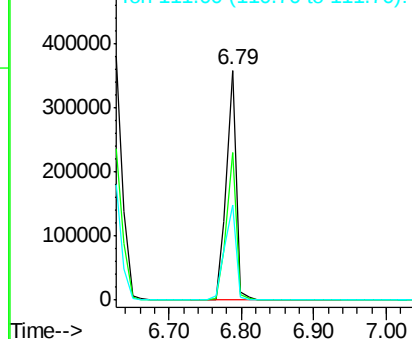
146 100

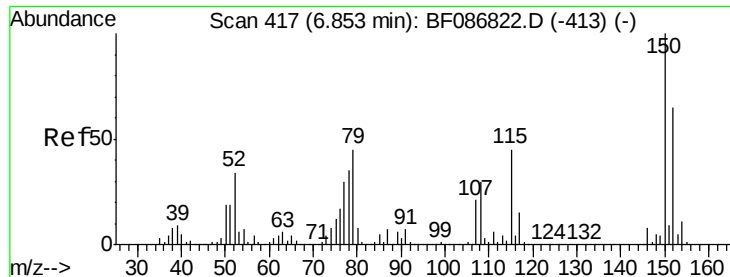
148 64.4 51.0 76.6

111 41.6 36.2 54.4



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

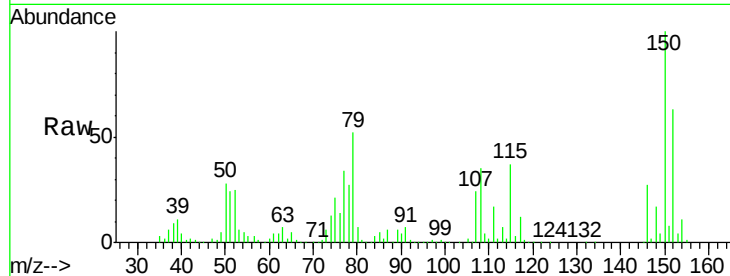




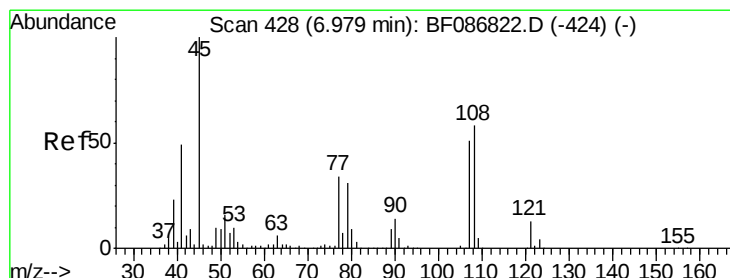
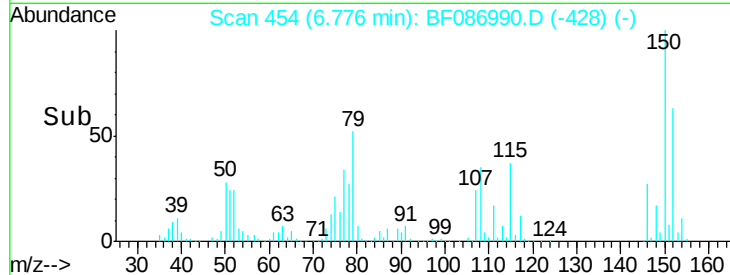
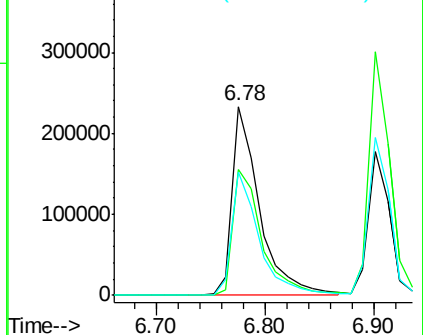
#15
Benzyl Alcohol
Concen: 53.51 ng
RT: 6.78 min Scan# 454
Delta R.T. 0.00 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

Tgt Ion: 79 Resp: 405676
Ion Ratio Lower Upper
79 100
108 66.5 68.4 102.6#
77 65.1 50.6 76.0

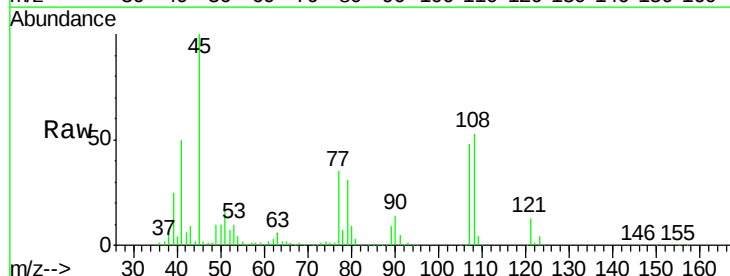


Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

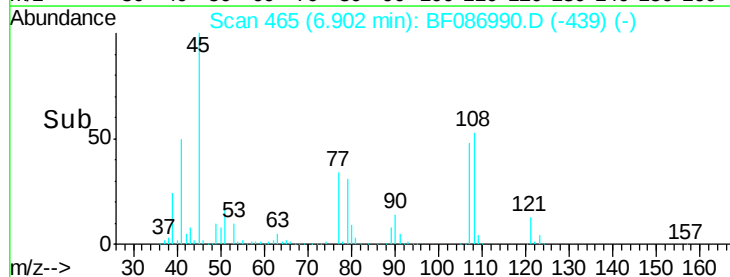
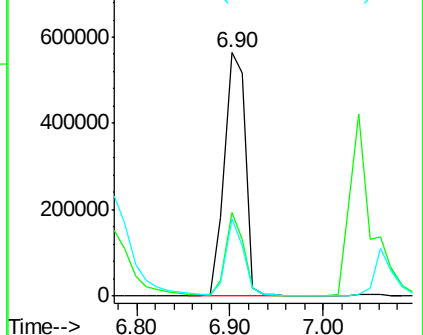


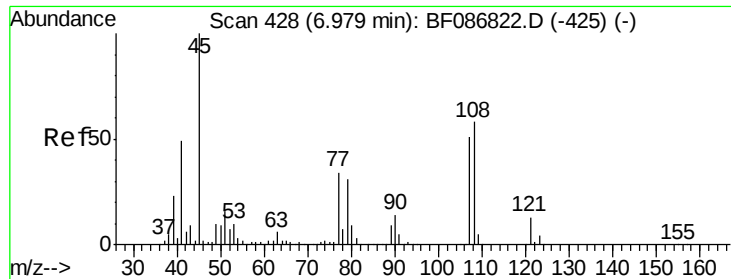
#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.75 ng
RT: 6.90 min Scan# 465
Delta R.T. 0.00 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

Tgt Ion: 45 Resp: 879261
Ion Ratio Lower Upper
45 100
77 34.5 0.0 36.4
79 31.5 0.0 33.4



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 44.95 ng

RT: 6.90 min Scan# 465

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

Tgt Ion:107 Resp: 354558

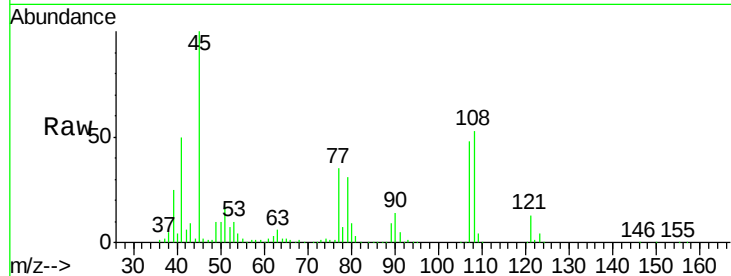
Ion Ratio Lower Upper

107 100

108 111.9 93.7 140.5

77 72.5 33.4 50.0#

79 66.1 34.3 51.5#



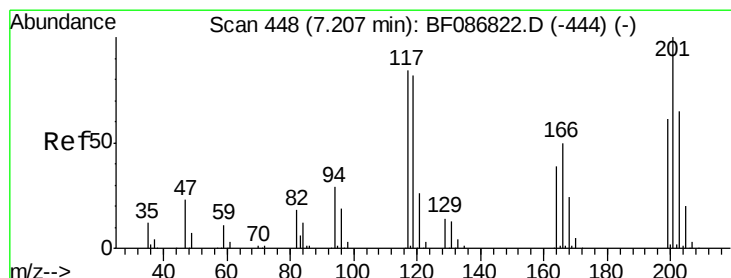
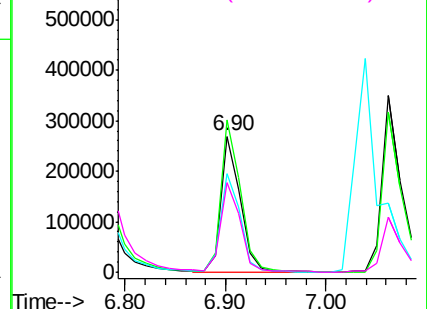
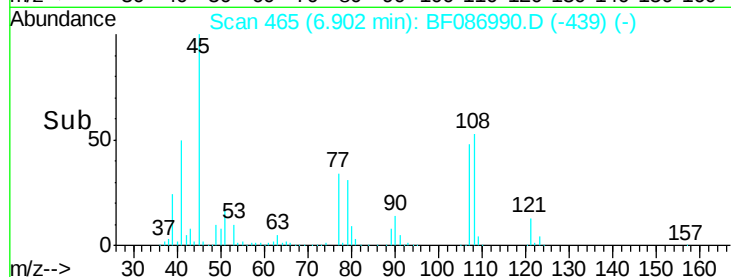
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 32.62 ng

RT: 7.12 min Scan# 484

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

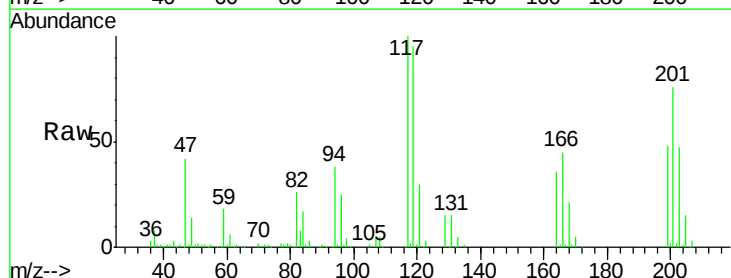
Tgt Ion:117 Resp: 134254

Ion Ratio Lower Upper

117 100

119 94.6 76.5 114.7

201 76.4 63.0 94.6

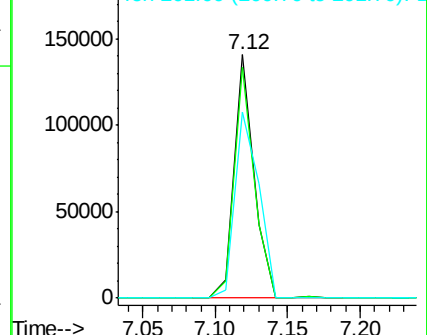
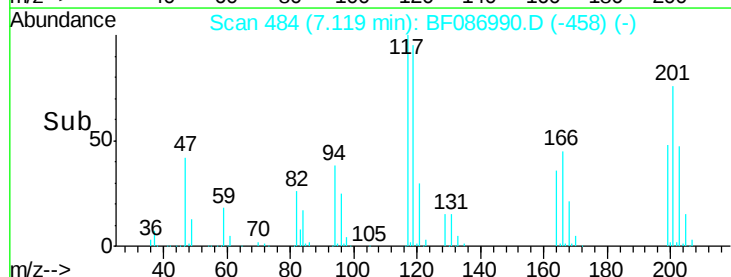


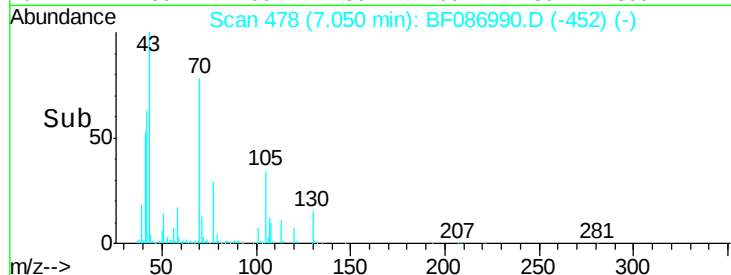
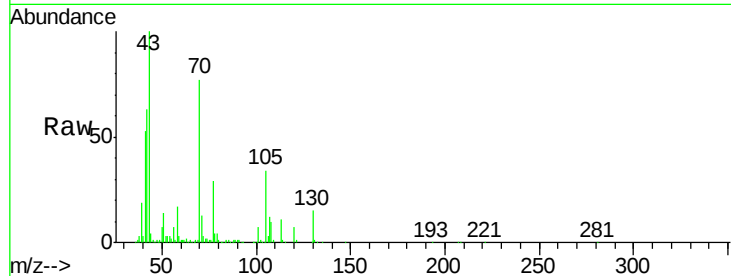
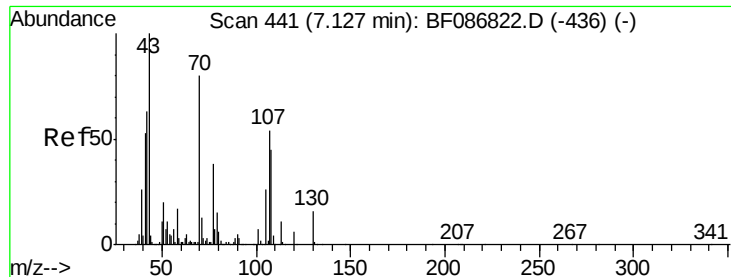
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

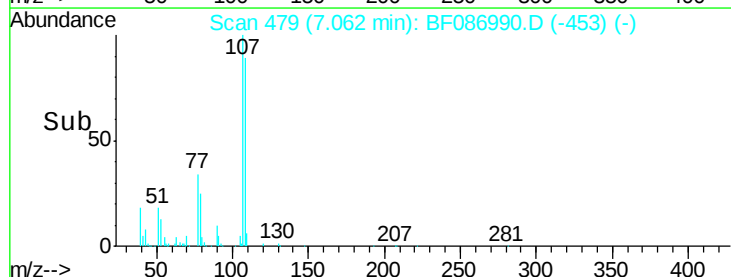
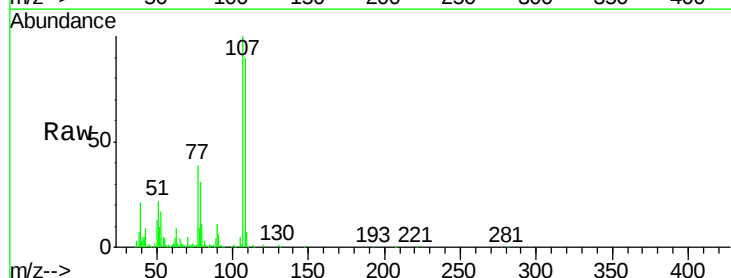
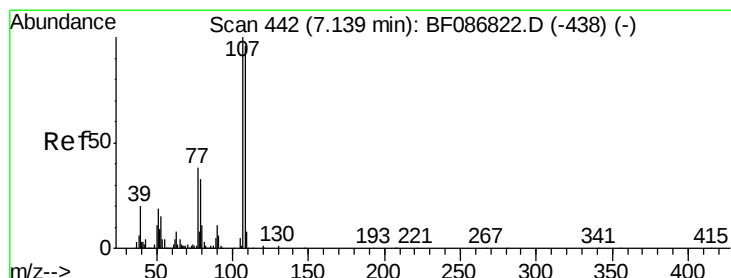
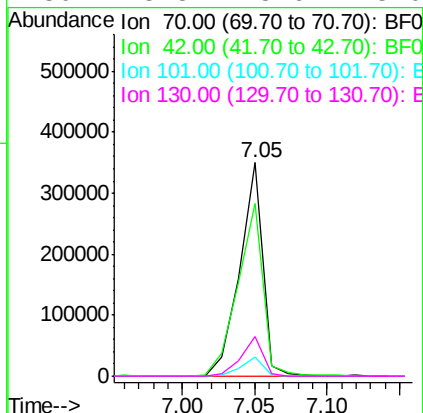




#19
n-Nitroso-di-n-propylamine
Concen: 50.64 ng
RT: 7.05 min Scan# 478
Delta R.T. 0.00 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

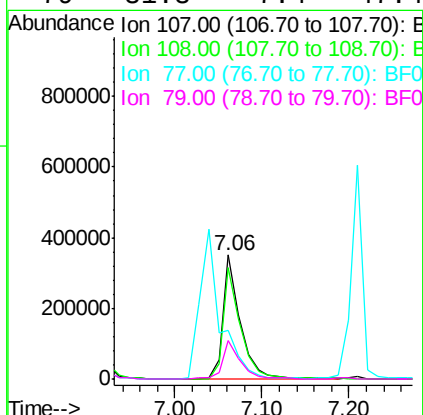
Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

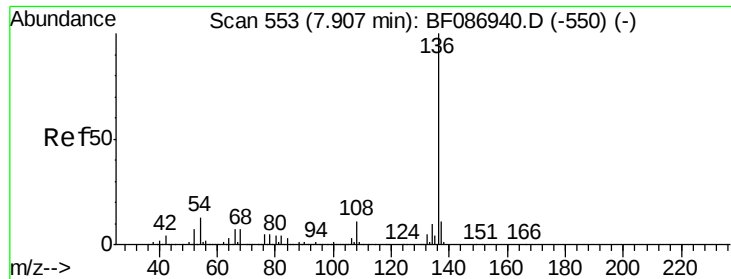
Tgt Ion: 70 Resp: 388523
Ion Ratio Lower Upper
70 100
42 81.0 43.1 64.7#
101 9.1 8.1 12.1
130 18.8 18.6 28.0



#20
3+4-Methylphenols
Concen: 47.08 ng
RT: 7.06 min Scan# 479
Delta R.T. 0.00 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

Tgt Ion: 107 Resp: 484944
Ion Ratio Lower Upper
107 100
108 90.3 68.5 108.5
77 39.3 101.6 141.6#
79 31.3 7.4 47.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

Tgt Ion:136 Resp: 559478

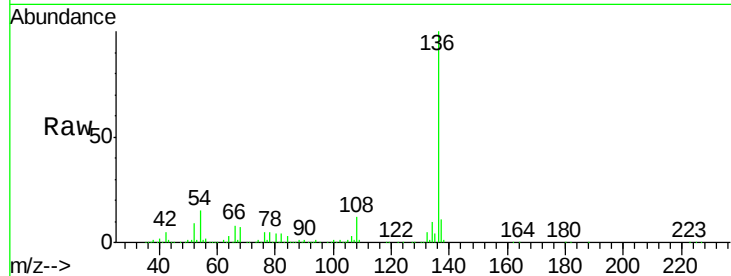
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 14.9 5.0 7.4#

68 7.4 4.4 6.6#

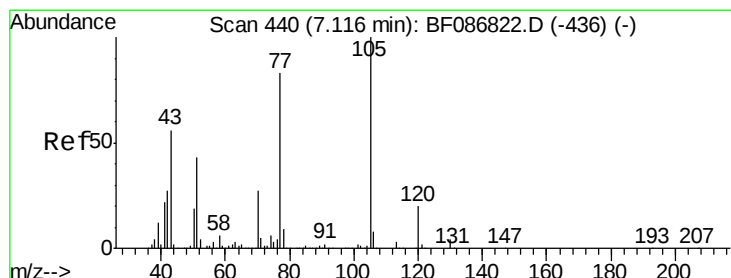
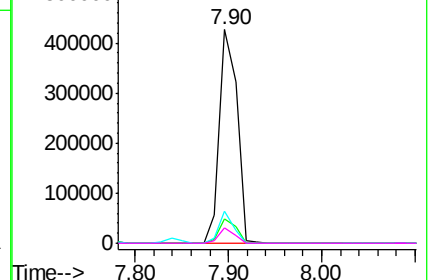
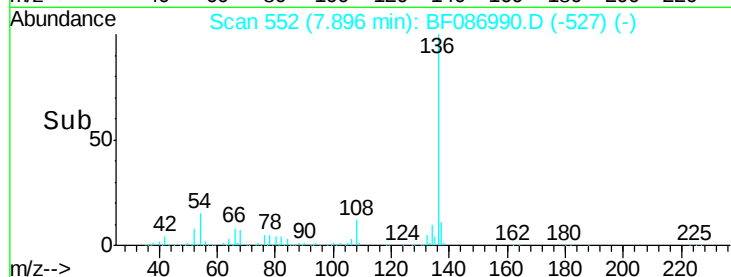


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 48.64 ng

RT: 7.04 min Scan# 477

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

Tgt Ion:105 Resp: 642797

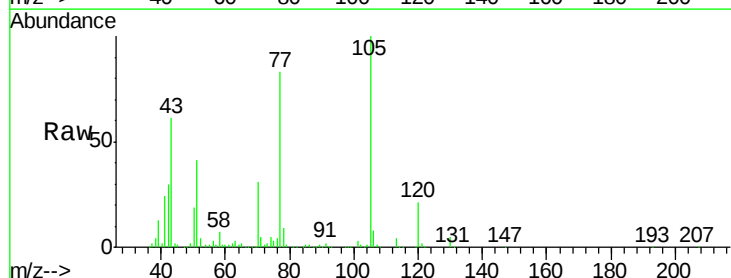
Ion Ratio Lower Upper

105 100

71 5.3 4.8 7.2

51 41.0 32.6 49.0

120 20.8 16.5 24.7

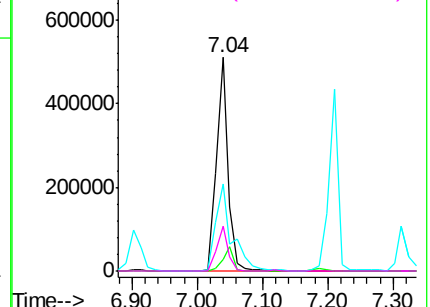
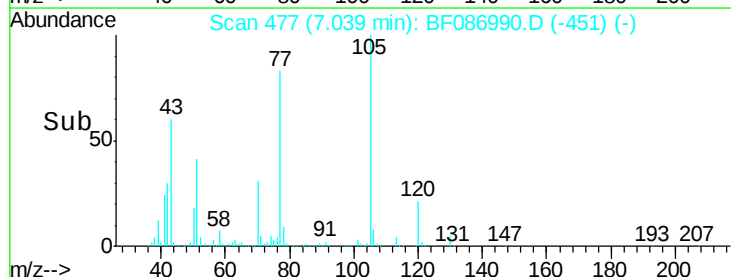


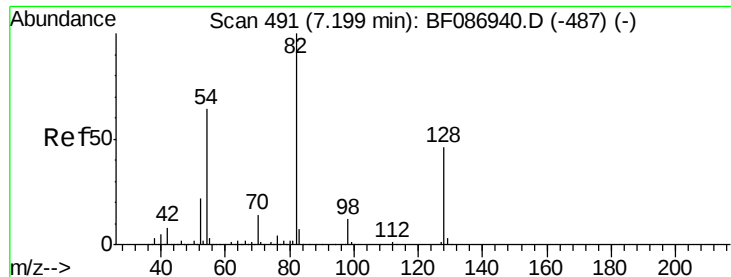
Abundance Ion 105.00 (104.70 to 105.70): E

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

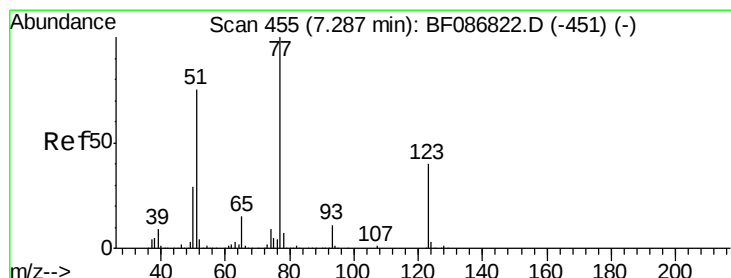
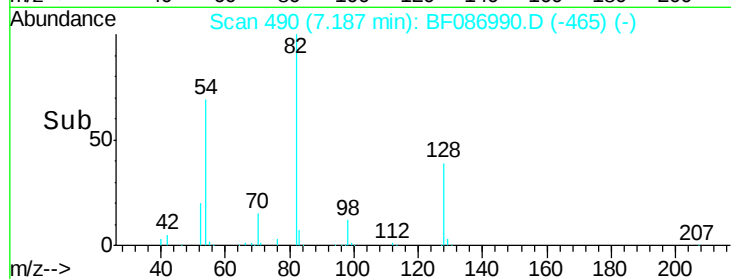
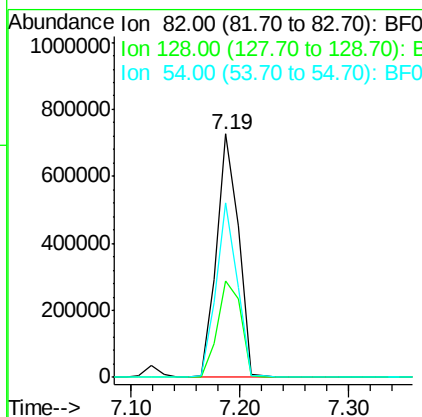
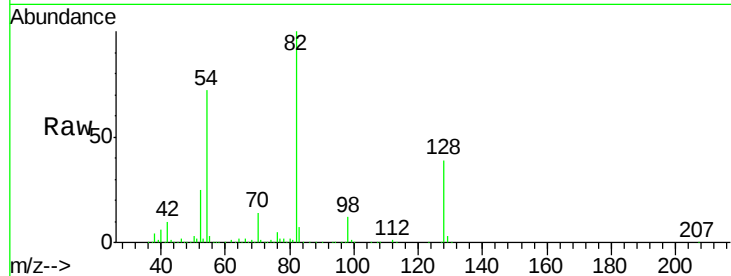




#23
 Nitrobenzene-d5
 Concen: 92.69 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.01 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

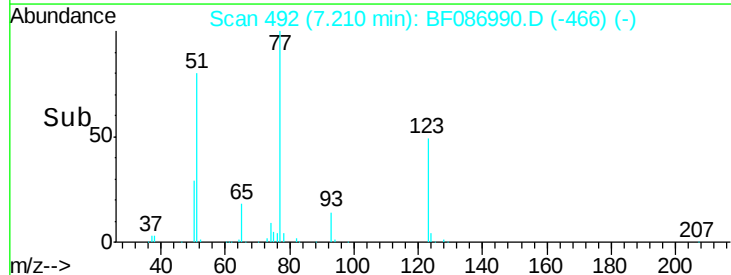
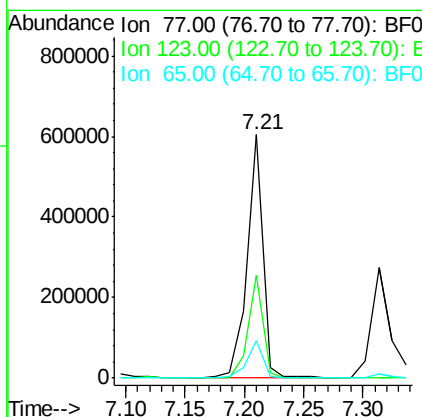
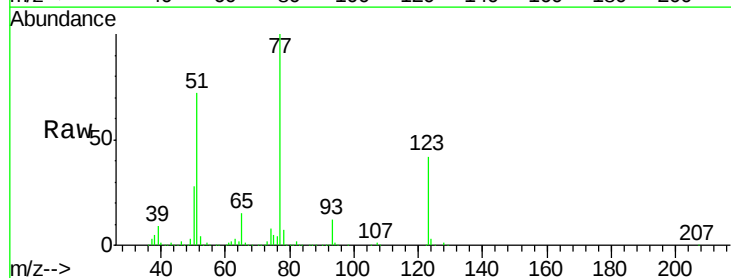
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MS

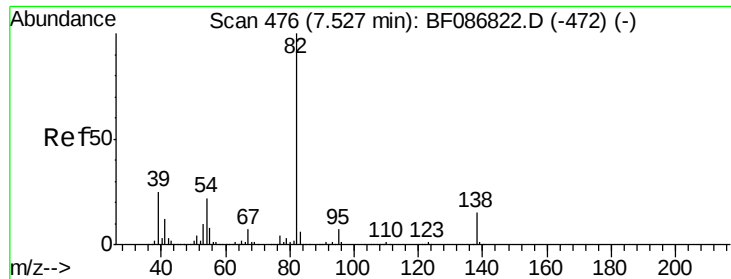
Tgt Ion: 82 Resp: 1032755
 Ion Ratio Lower Upper
 82 100
 128 39.4 40.6 61.0#
 54 71.7 38.1 57.1#



#24
 Nitrobenzene
 Concen: 48.69 ng
 RT: 7.21 min Scan# 492
 Delta R.T. 0.00 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

Tgt Ion: 77 Resp: 558027
 Ion Ratio Lower Upper
 77 100
 123 42.4 33.0 49.4
 65 15.3 10.8 16.2





#25

Isophorone

Concen: 45.31 ng

RT: 7.45 min Scan# 513

Delta R.T. -0.01 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

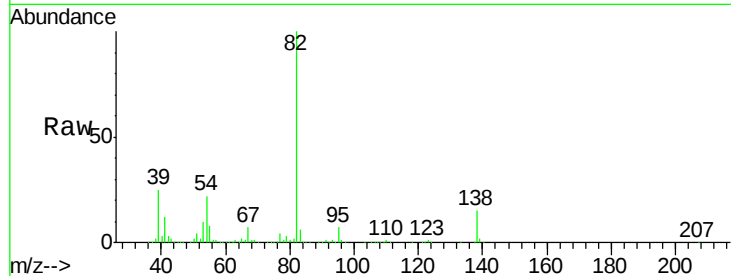
Tgt Ion: 82 Resp: 936681

Ion Ratio Lower Upper

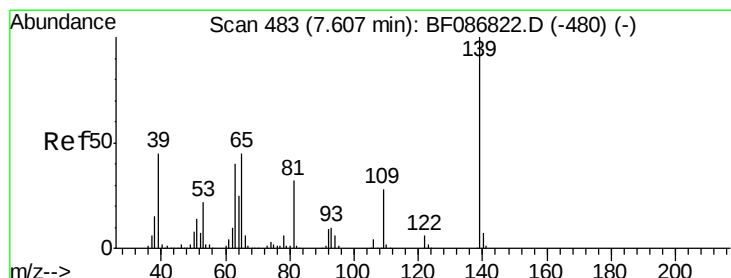
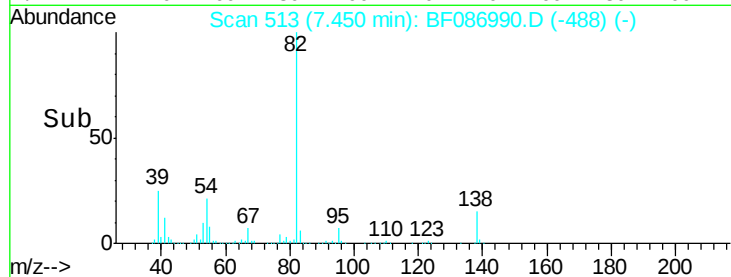
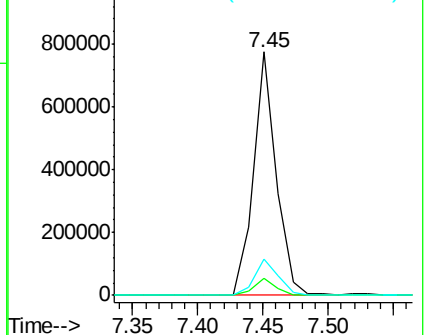
82 100

95 7.2 5.1 7.7

138 14.9 12.4 18.6



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



#26

2-Nitrophenol

Concen: 47.83 ng

RT: 7.53 min Scan# 520

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

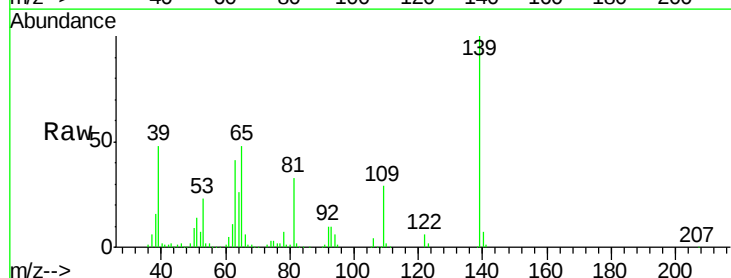
Tgt Ion: 139 Resp: 240990

Ion Ratio Lower Upper

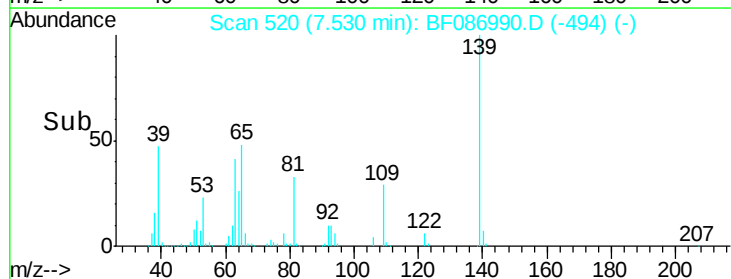
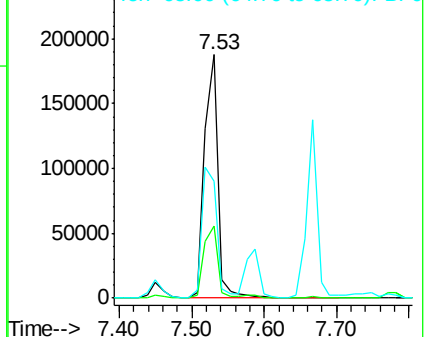
139 100

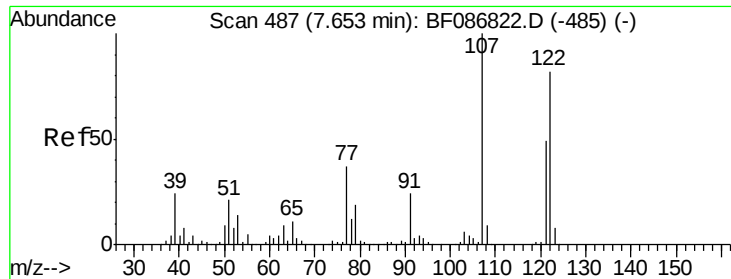
109 29.4 19.5 29.3#

65 48.1 37.5 56.3



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

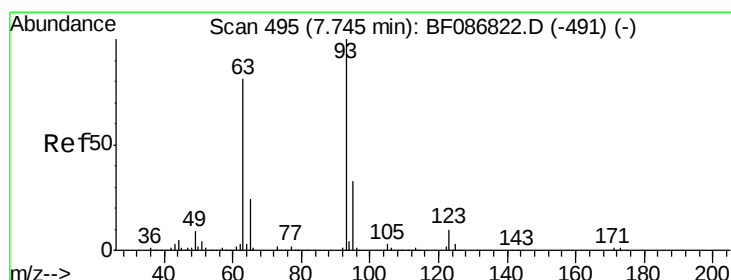
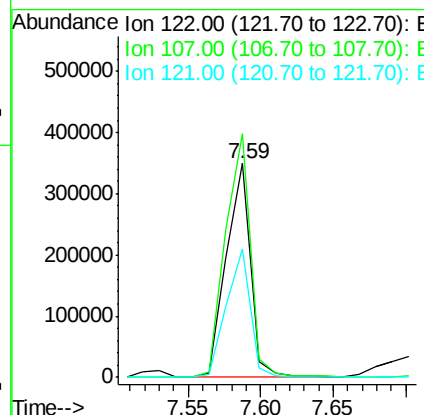
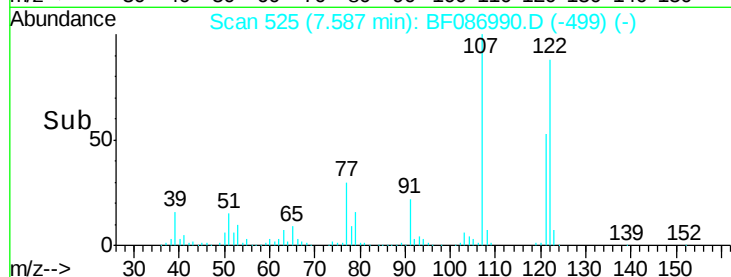
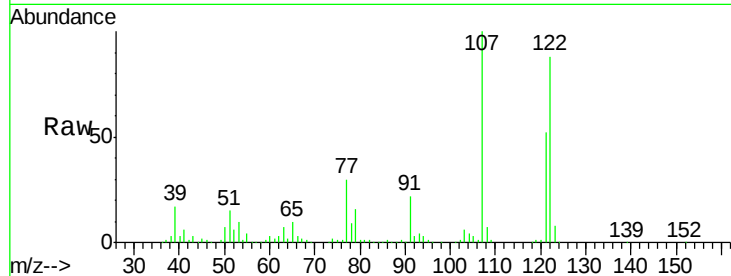




#27
 2,4-Dimethylphenol
 Concen: 46.94 ng
 RT: 7.59 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

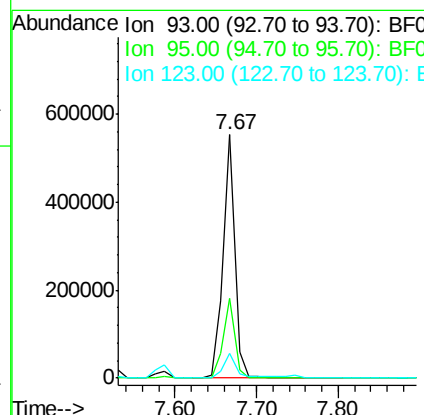
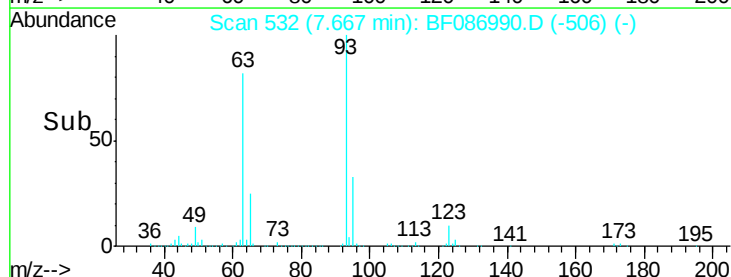
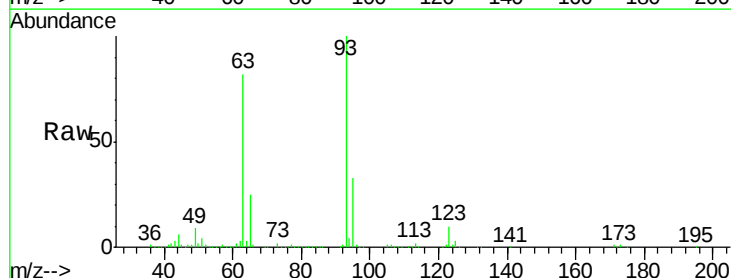
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MS

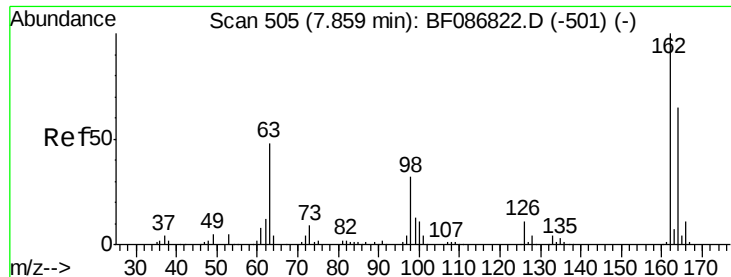
Tgt Ion:122 Resp: 402894
 Ion Ratio Lower Upper
 122 100
 107 114.0 82.0 123.0
 121 59.8 46.1 69.1



#28
 bis(2-Chloroethoxy)methane
 Concen: 49.41 ng
 RT: 7.67 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

Tgt Ion: 93 Resp: 551008
 Ion Ratio Lower Upper
 93 100
 95 32.7 26.0 39.0
 123 10.0 9.5 14.3

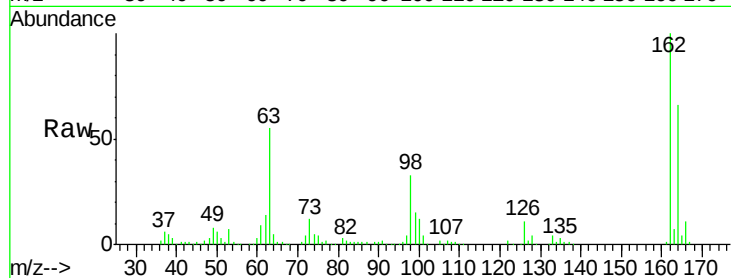




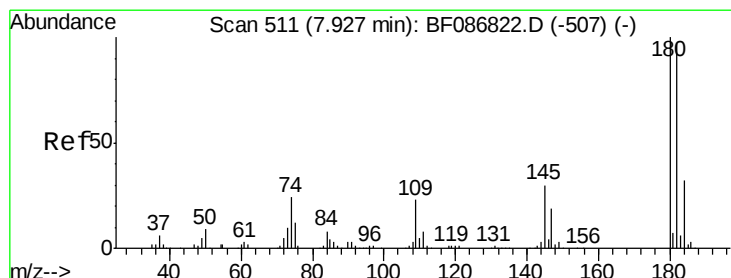
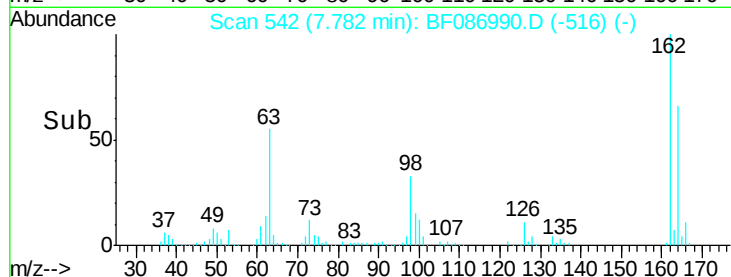
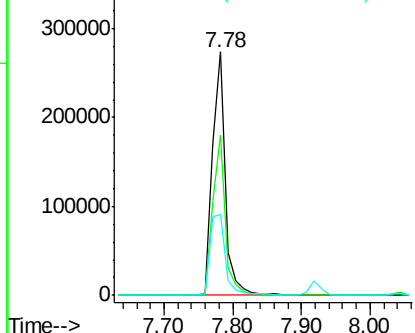
#29
 2,4-Dichlorophenol
 Concen: 48.23 ng
 RT: 7.78 min Scan# 542
 Delta R.T. 0.00 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MS

Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.8	42.2	82.2
98	33.5	19.0	59.0

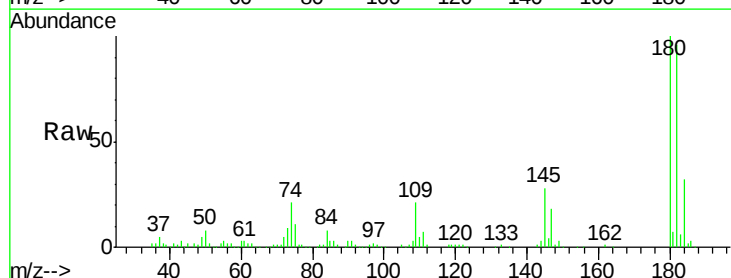


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

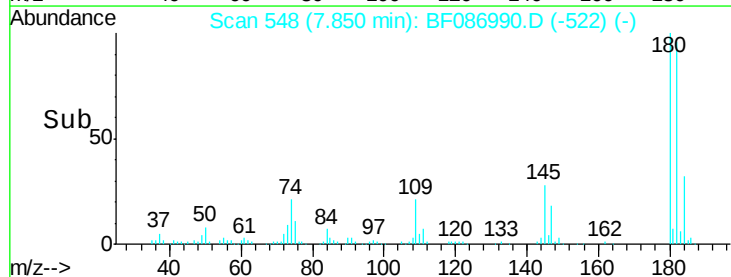
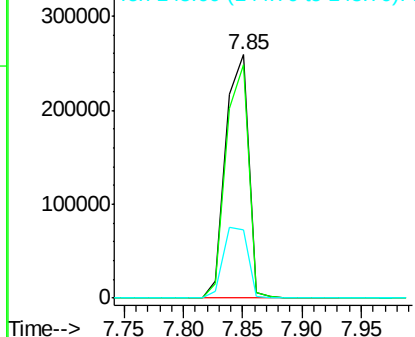


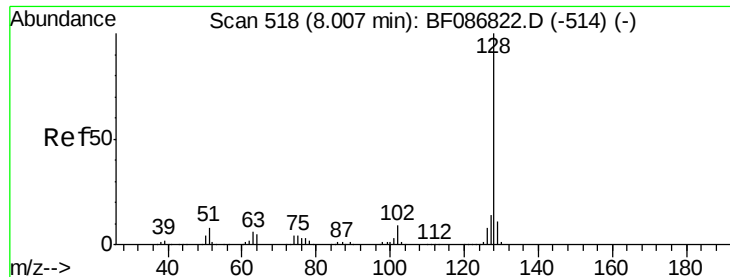
#30
 1,2,4-Trichlorobenzene
 Concen: 40.92 ng
 RT: 7.85 min Scan# 548
 Delta R.T. 0.00 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	78.0	117.0
145	28.1	24.2	36.2



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

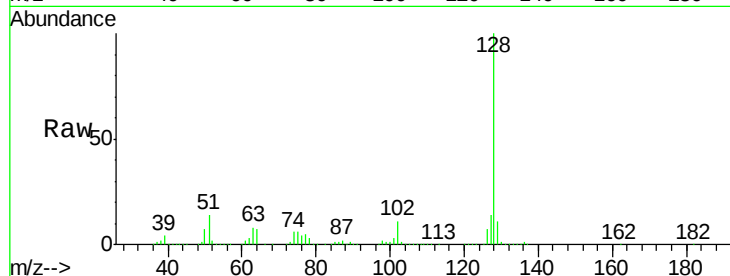




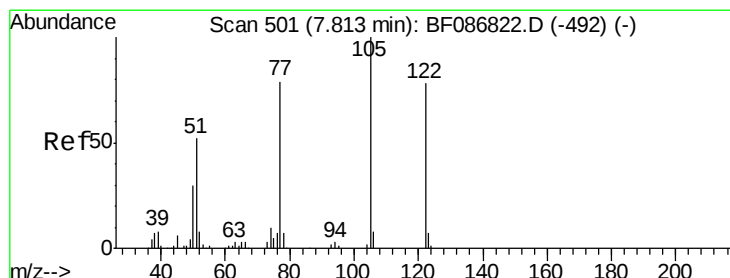
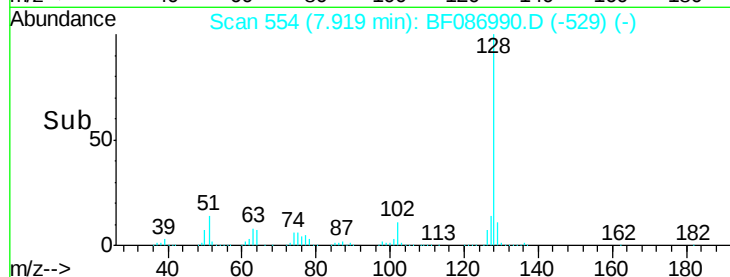
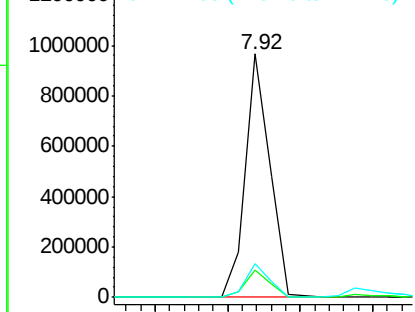
#31
Naphthalene
Concen: 40.35 ng
RT: 7.92 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

Tgt Ion:128 Resp: 1130603
Ion Ratio Lower Upper
128 100
129 11.4 8.6 13.0
127 13.7 10.8 16.2

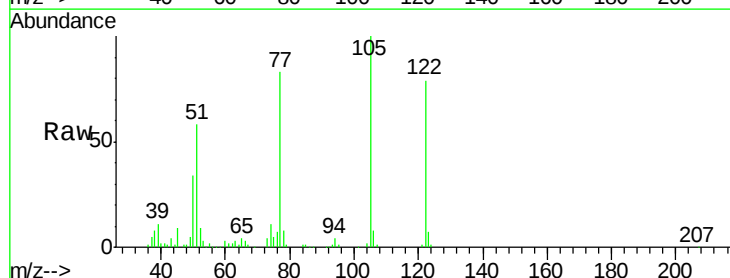


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

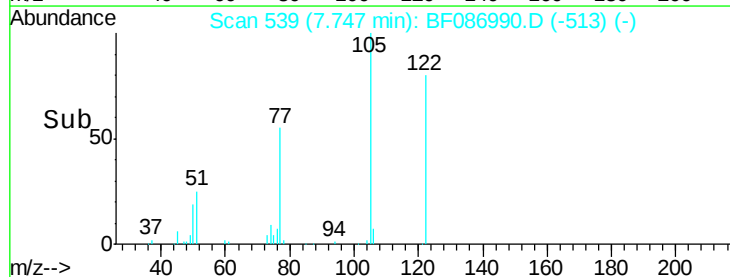
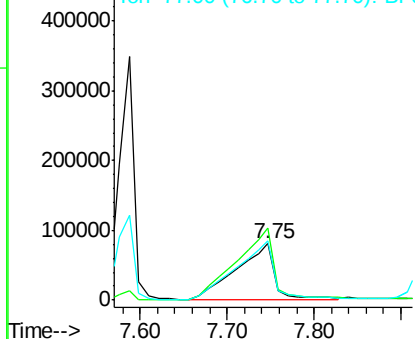


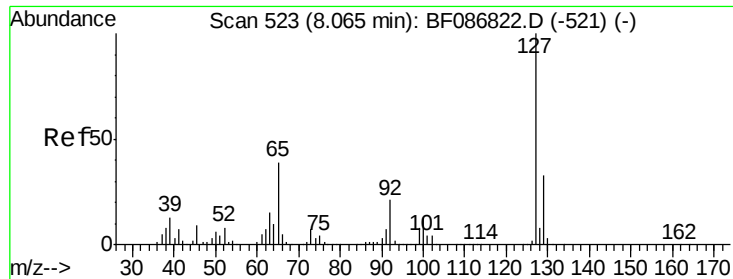
#32
Benzoic acid
Concen: 49.01 ng
RT: 7.75 min Scan# 539
Delta R.T. 0.00 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

Tgt Ion:122 Resp: 247035
Ion Ratio Lower Upper
122 100
105 126.4 92.6 132.6
77 104.9 60.0 100.0#



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

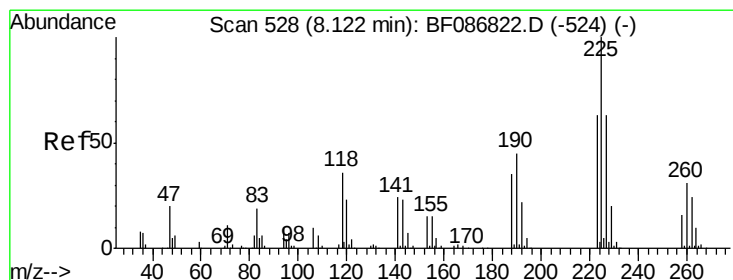
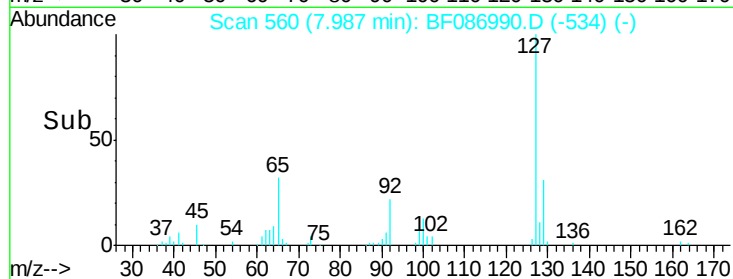
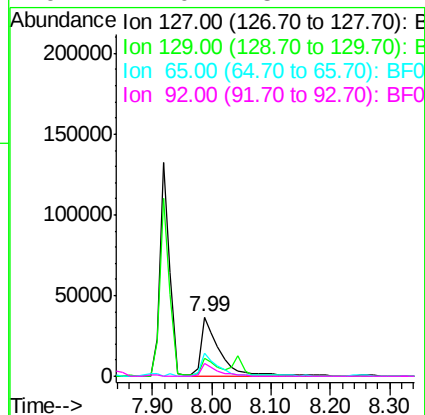
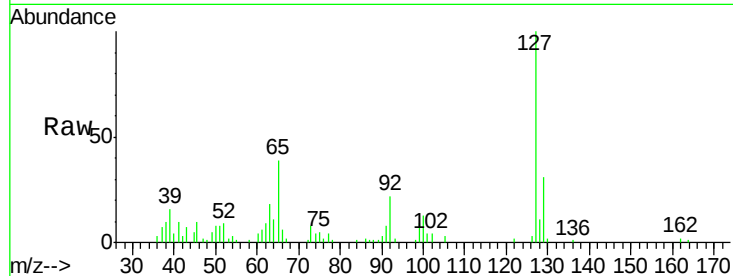




#33
4-Chloroaniline
Concen: 7.16 ng
RT: 7.99 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

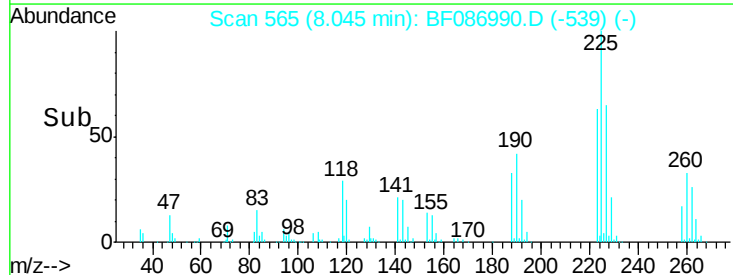
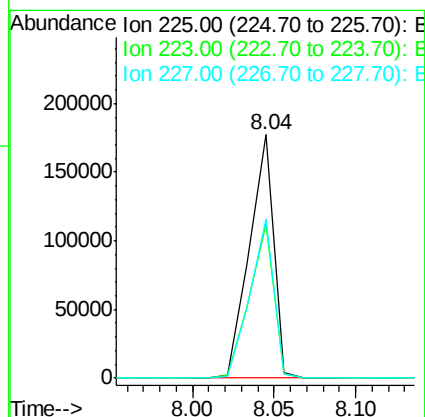
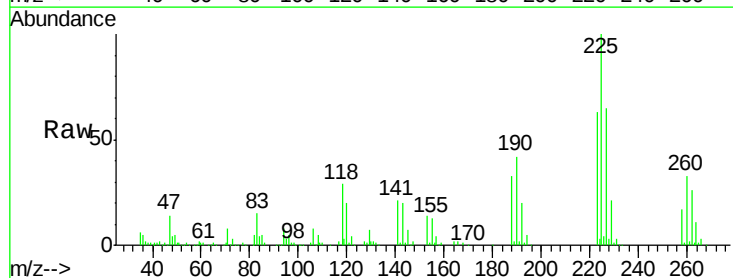
Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

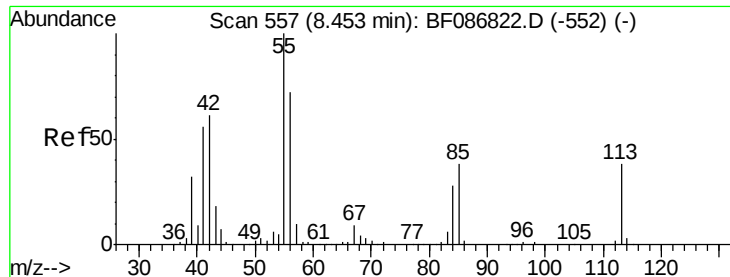
Tgt Ion:	127	Resp:	78016
Ion	Ratio	Lower	Upper
127	100		
129	30.7	26.2	39.4
65	39.5	23.0	34.4
92	22.0	15.1	22.7



#34
Hexachlorobutadiene
Concen: 37.39 ng
RT: 8.04 min Scan# 565
Delta R.T. 0.00 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

Tgt Ion:	225	Resp:	183224
Ion	Ratio	Lower	Upper
225	100		
223	63.4	51.5	77.3
227	65.2	52.2	78.2

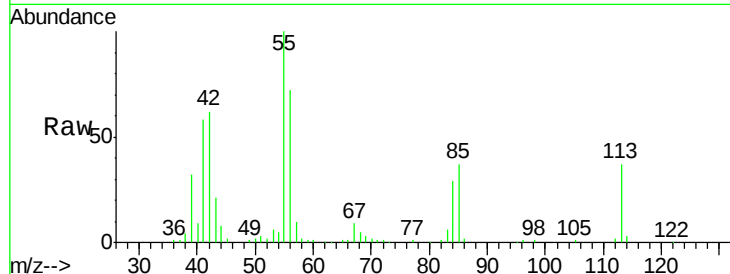




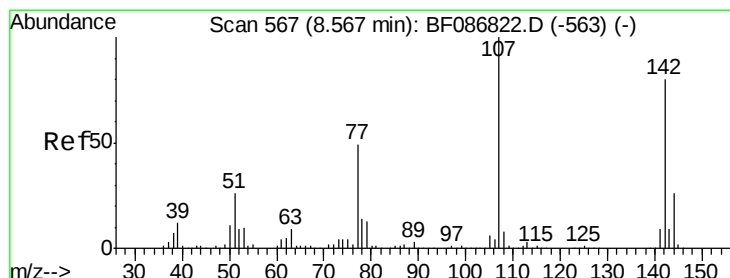
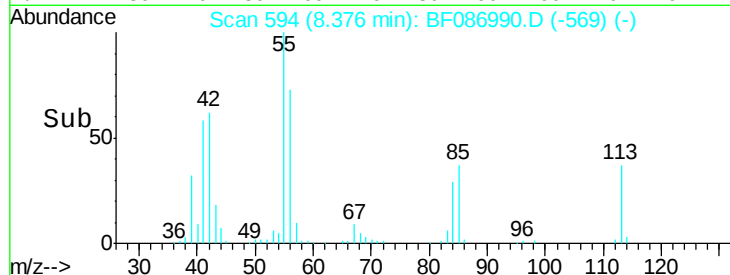
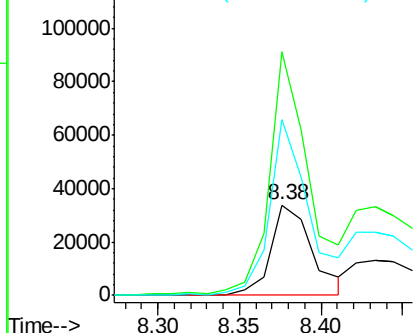
#35
 Caprolactam
 Concen: 23.38 ng
 RT: 8.38 min Scan# 594
 Delta R.T. -0.01 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MS

Tgt Ion:113 Resp: 60081
 Ion Ratio Lower Upper
 113 100
 55 270.6 162.0 202.0#
 56 196.1 115.3 155.3#

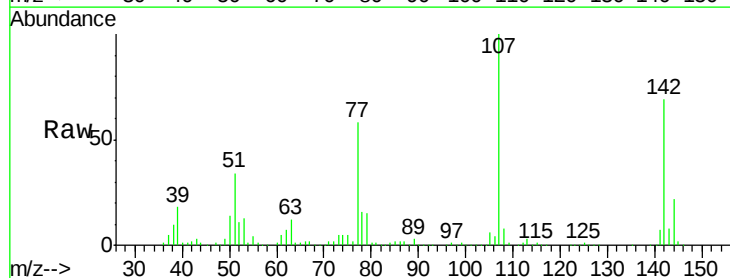


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

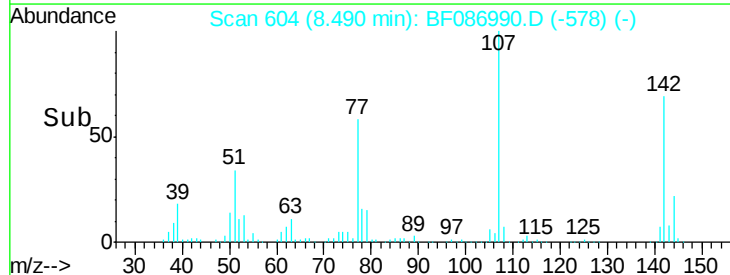
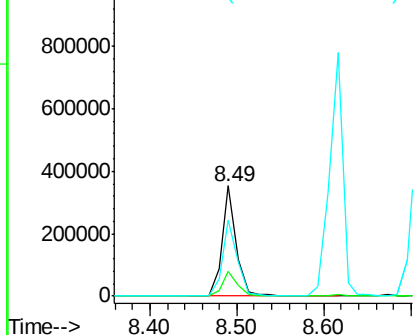


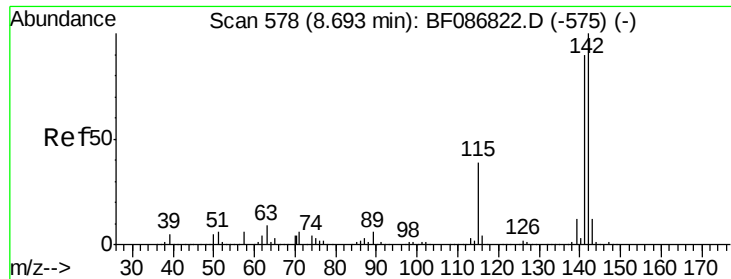
#36
 4-Chloro-3-methylphenol
 Concen: 44.59 ng
 RT: 8.49 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

Tgt Ion:107 Resp: 408462
 Ion Ratio Lower Upper
 107 100
 144 22.3 20.7 31.1
 142 68.9 63.2 94.8



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

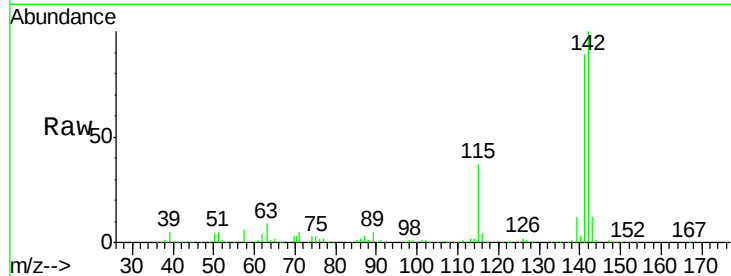




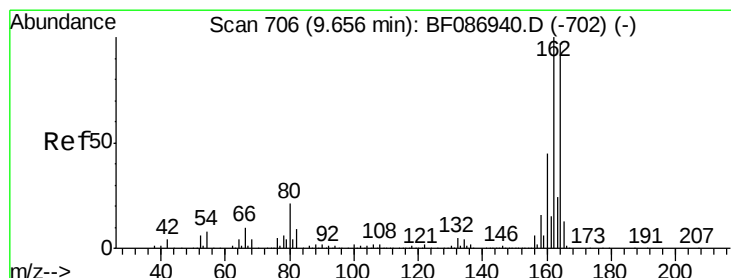
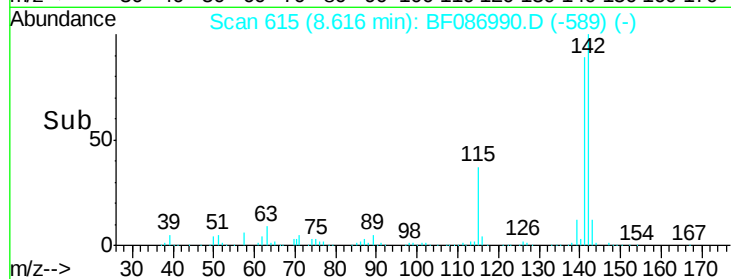
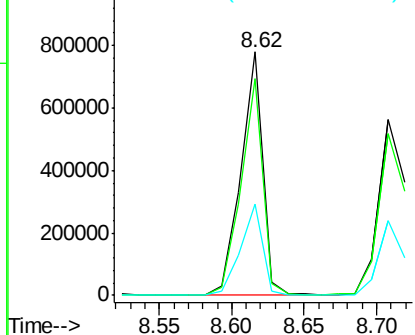
#37
 2-Methylnaphthalene
 Concen: 49.58 ng
 RT: 8.62 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MS

Tgt Ion:142 Resp: 812296
 Ion Ratio Lower Upper
 142 100
 141 89.2 71.0 106.6
 115 37.5 26.6 39.8

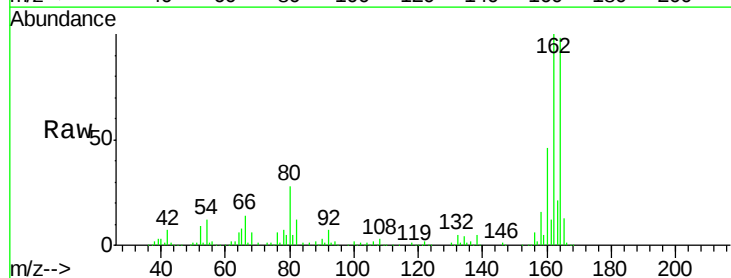


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

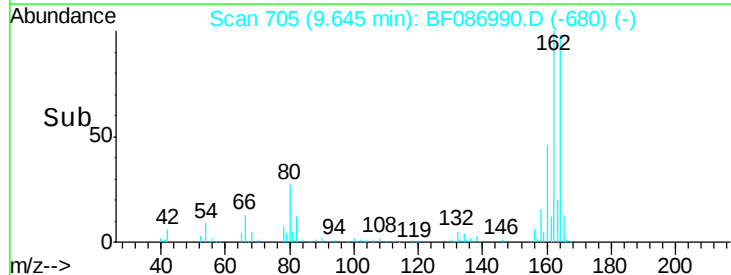
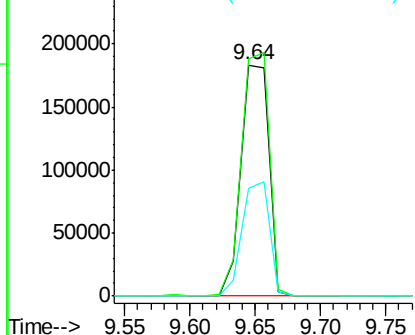


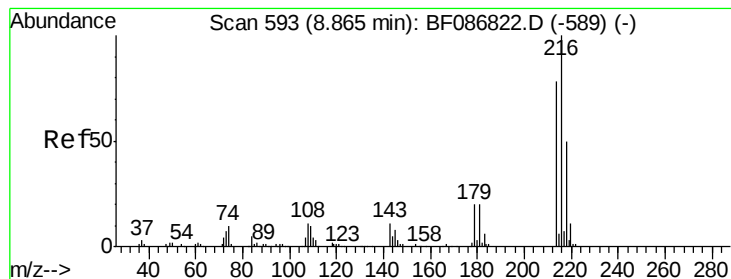
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

Tgt Ion:164 Resp: 273113
 Ion Ratio Lower Upper
 164 100
 162 102.5 82.8 124.2
 160 46.9 36.9 55.3



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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.21 ng

RT: 8.78 min Scan# 629

Delta R.T. -0.01 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

Tgt Ion:216 Resp: 319321

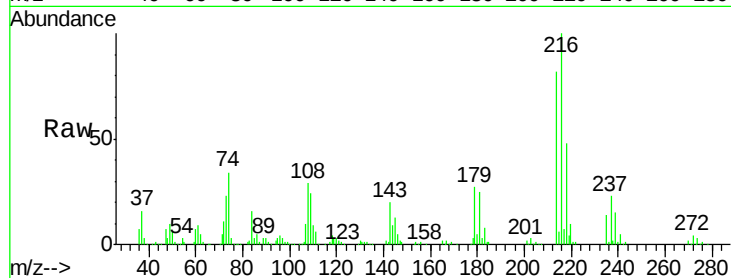
Ion Ratio Lower Upper

216 100

214 80.0 62.6 93.8

179 23.4 18.2 27.4

108 24.9 17.5 26.3

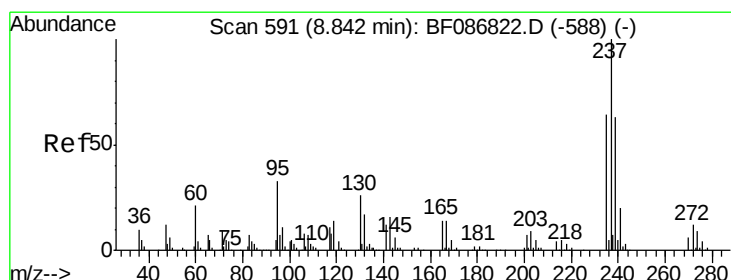
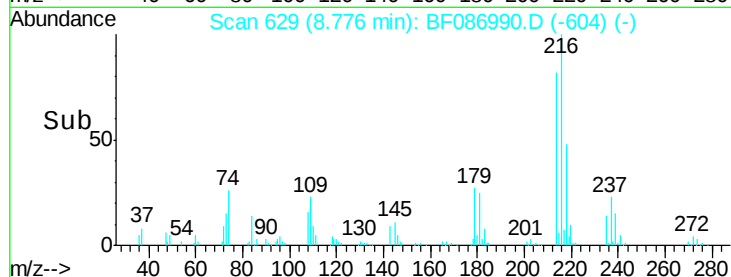
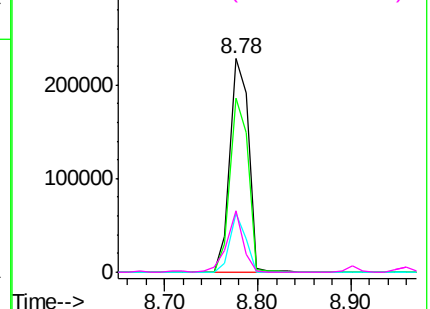


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 66.08 ng

RT: 8.76 min Scan# 628

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

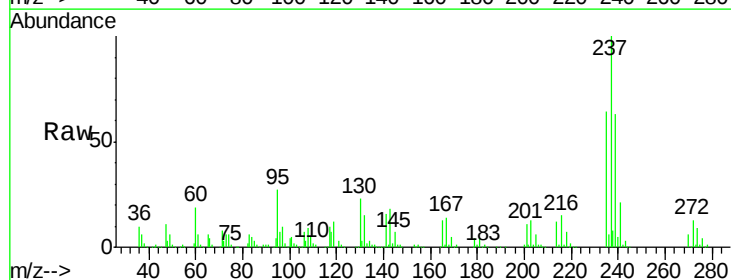
Tgt Ion:237 Resp: 249058

Ion Ratio Lower Upper

237 100

235 63.8 47.2 87.2

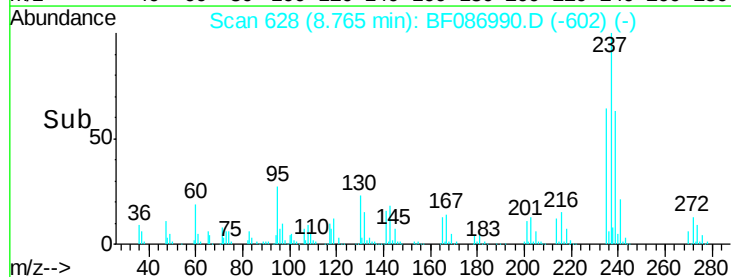
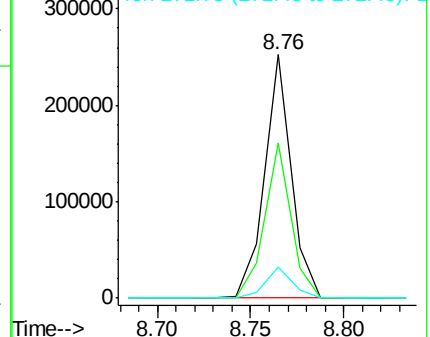
272 12.6 0.0 31.1

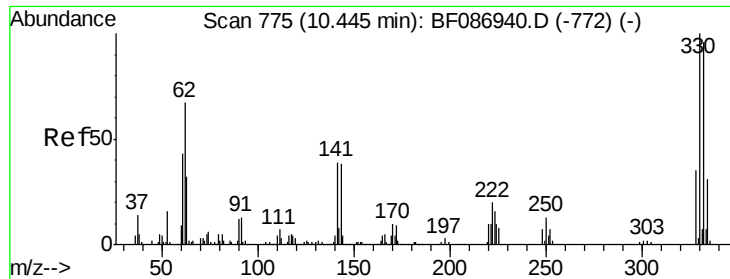


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

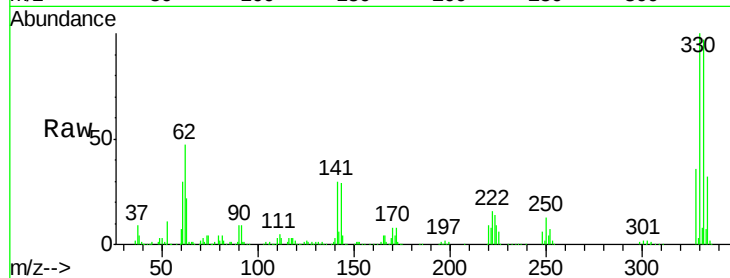




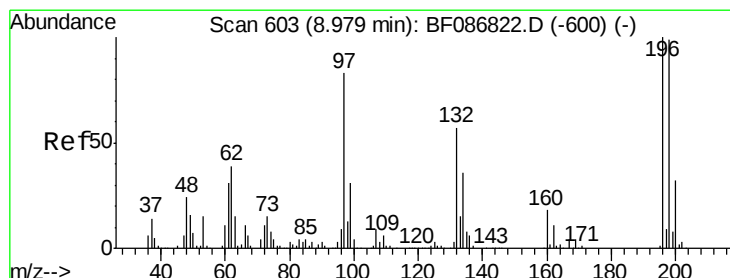
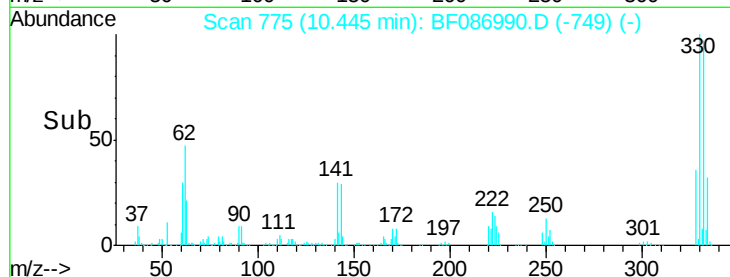
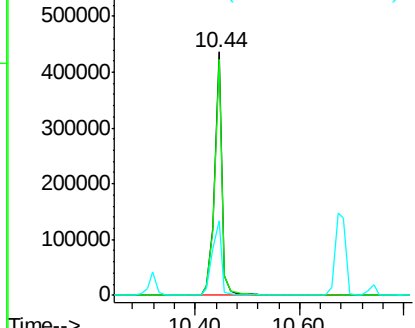
#41
 2,4,6-Tribromophenol
 Concen: 151.04 ng
 RT: 10.44 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MS

Tgt Ion:330 Resp: 436699
 Ion Ratio Lower Upper
 330 100
 332 97.0 79.0 118.4
 141 37.9 31.2 46.8

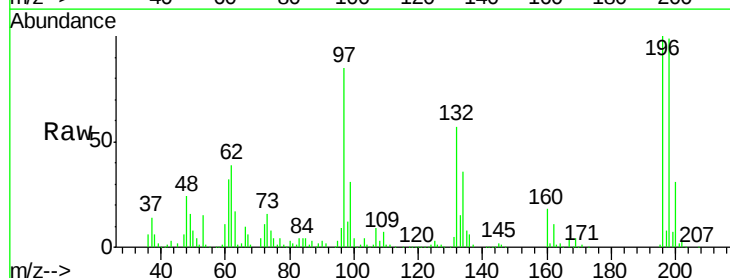


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

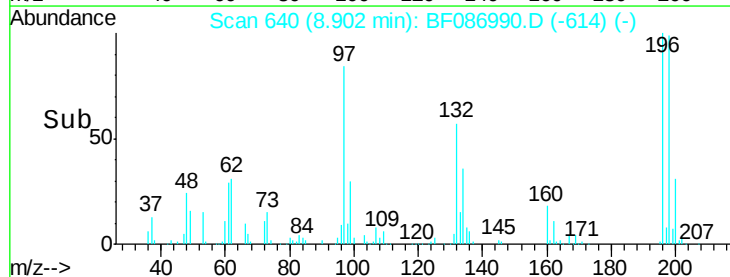
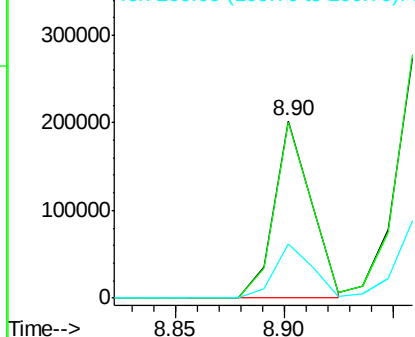


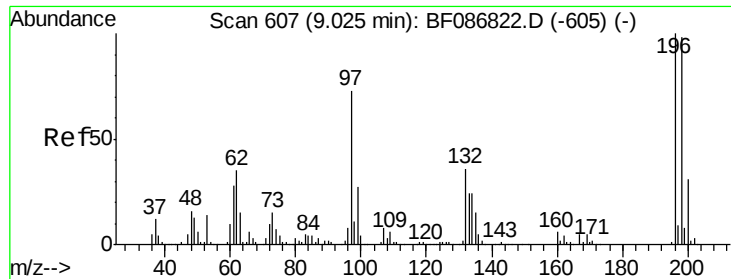
#42
 2,4,6-Trichlorophenol
 Concen: 45.18 ng
 RT: 8.90 min Scan# 640
 Delta R.T. 0.00 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

Tgt Ion:196 Resp: 239896
 Ion Ratio Lower Upper
 196 100
 198 98.7 74.7 112.1
 200 30.8 23.8 35.6



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

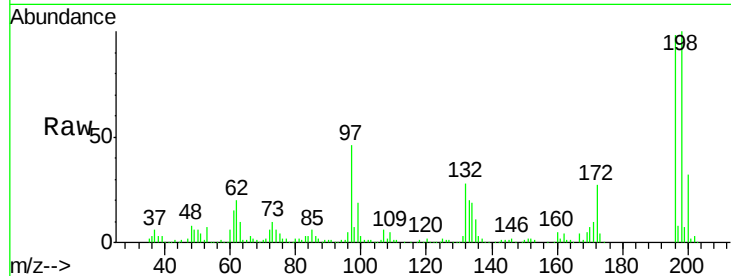




#43
 2,4,5-Trichlorophenol
 Concen: 48.82 ng
 RT: 8.96 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MS

Tgt Ion	Resp	Lower	Upper
196	268079		
196	100		
198	101.7	77.5	116.3
97	46.9	34.8	52.2
132	28.0	23.0	34.4



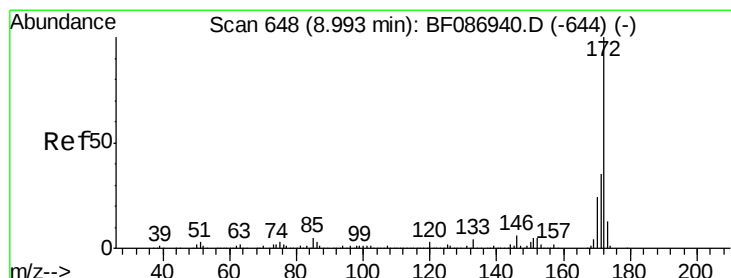
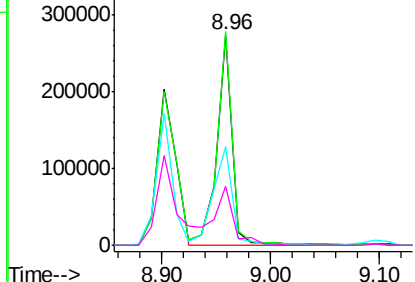
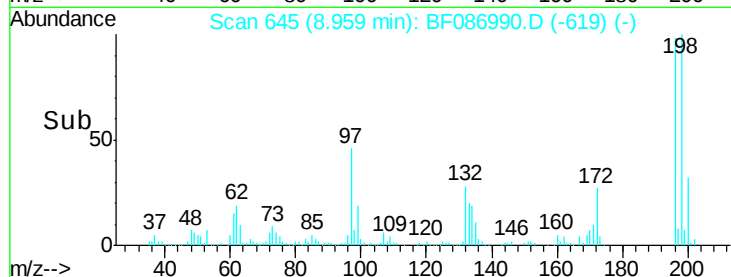
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

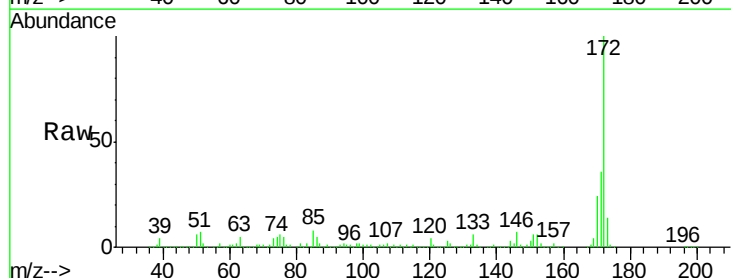
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 92.26 ng
 RT: 8.98 min Scan# 647
 Delta R.T. 0.00 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

Tgt Ion	Resp	Lower	Upper
172	1499225		
172	100		
171	36.2	29.0	43.6
170	24.5	19.8	29.8

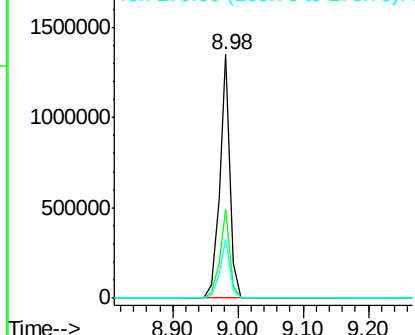
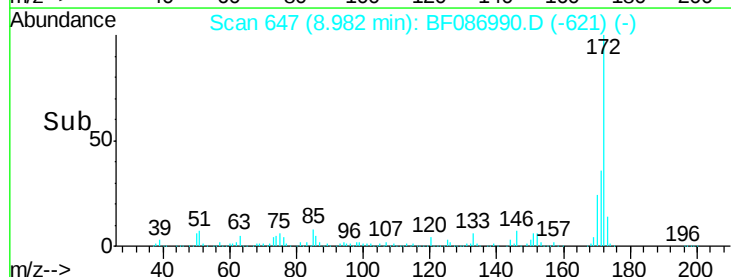


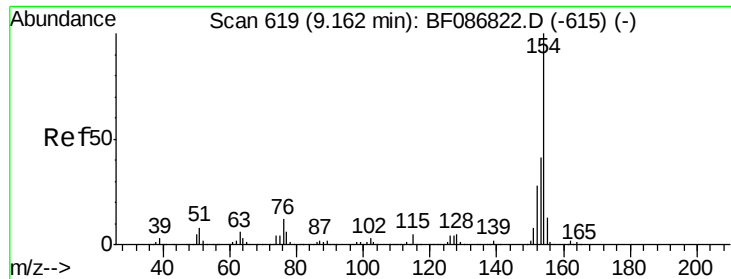
Abundance

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

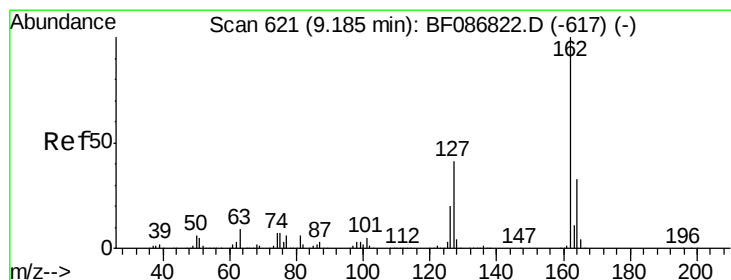
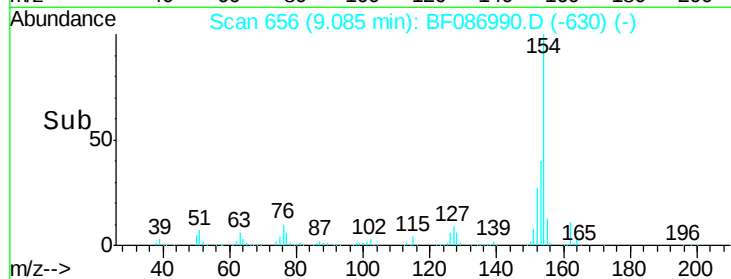
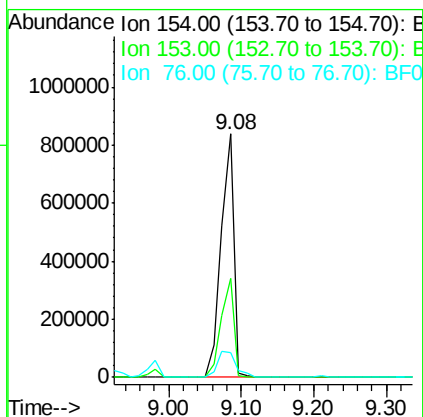
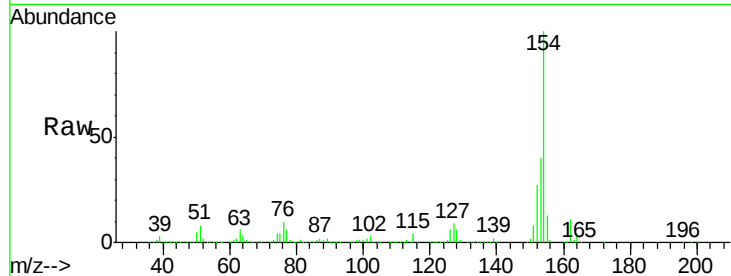




#45
 1,1'-Biphenyl
 Concen: 47.45 ng
 RT: 9.08 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

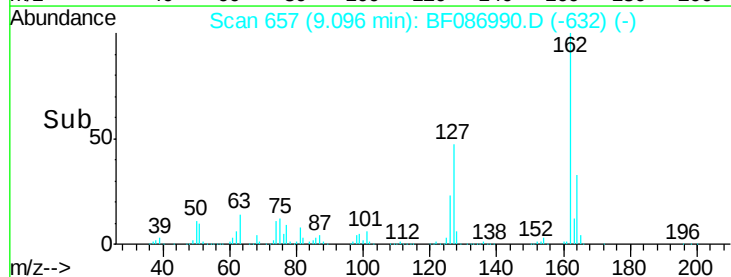
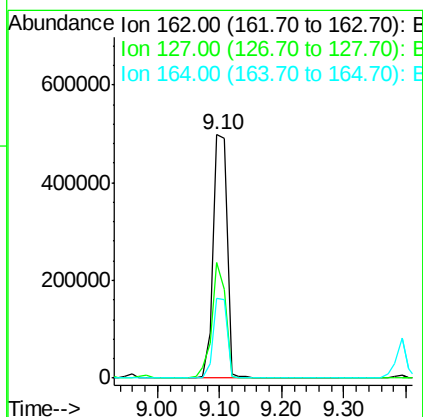
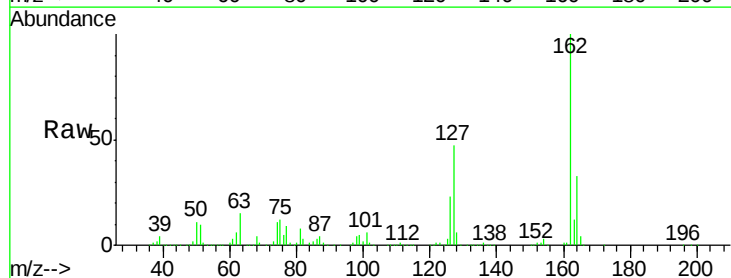
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MS

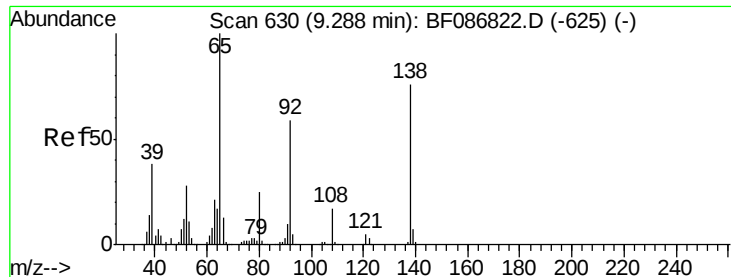
Tgt Ion:154 Resp: 1030871
 Ion Ratio Lower Upper
 154 100
 153 40.4 20.3 60.3
 76 10.2 0.0 30.2



#46
 2-Chloronaphthalene
 Concen: 44.52 ng
 RT: 9.10 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

Tgt Ion:162 Resp: 757706
 Ion Ratio Lower Upper
 162 100
 127 47.5 31.8 47.6
 164 33.0 27.0 40.6





#47

2-Nitroaniline

Concen: 47.88 ng

RT: 9.21 min Scan# 667

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

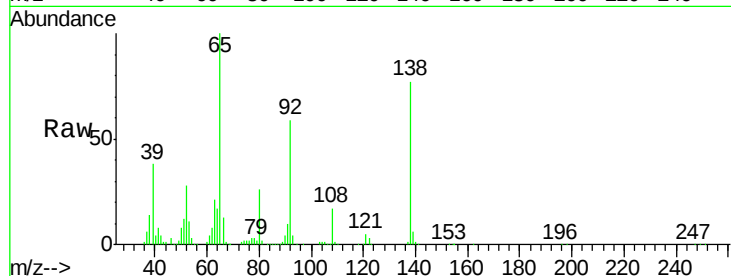
Tgt Ion: 65 Resp: 297838

Ion Ratio Lower Upper

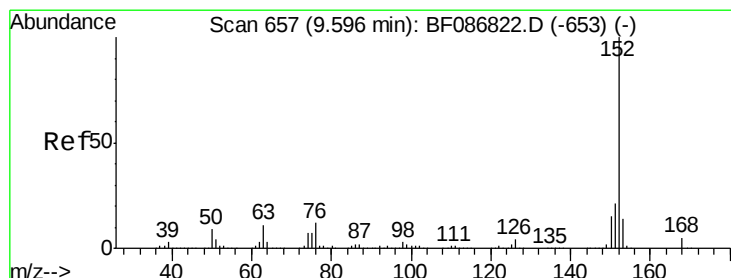
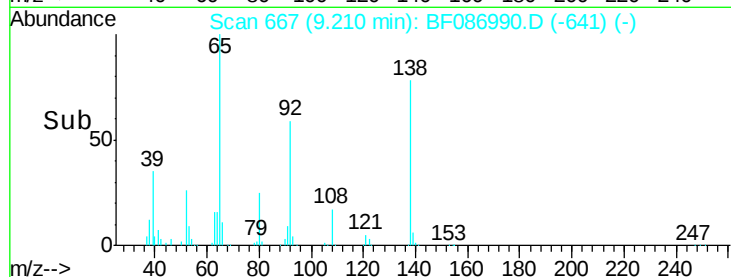
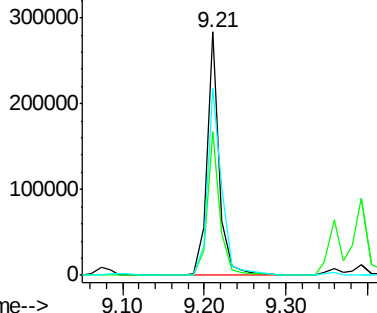
65 100

92 58.9 57.4 86.2

138 77.1 90.1 135.1#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 47.87 ng

RT: 9.52 min Scan# 694

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

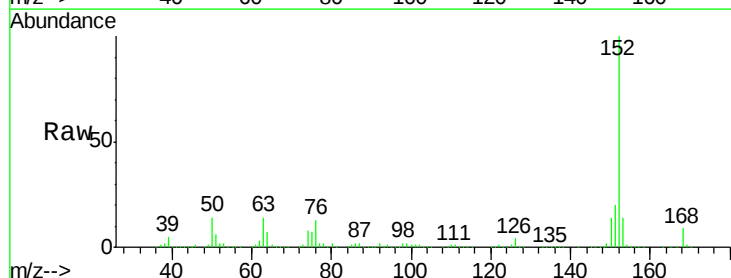
Tgt Ion: 152 Resp: 1198463

Ion Ratio Lower Upper

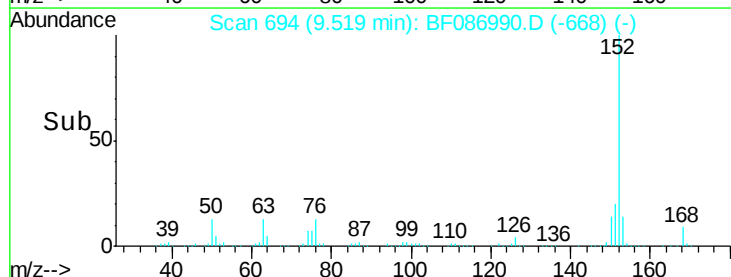
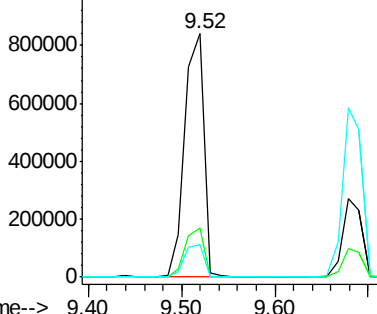
152 100

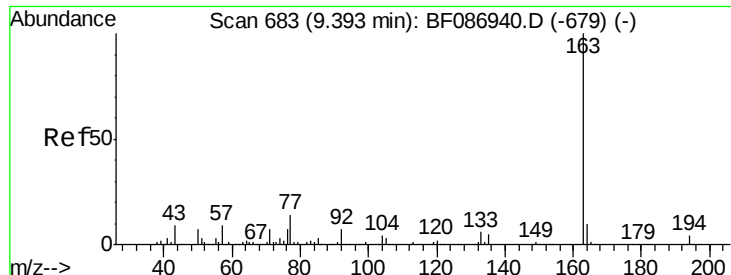
151 20.3 16.8 25.2

153 13.6 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 45.64 ng

RT: 9.39 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

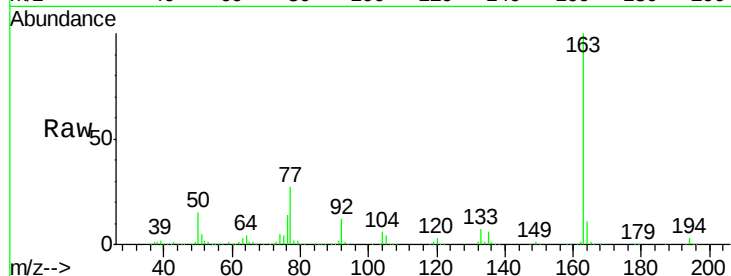
Tgt Ion:163 Resp: 950954

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

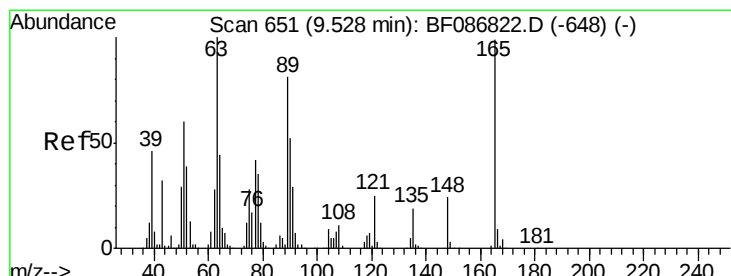
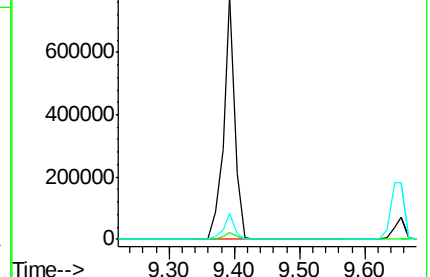
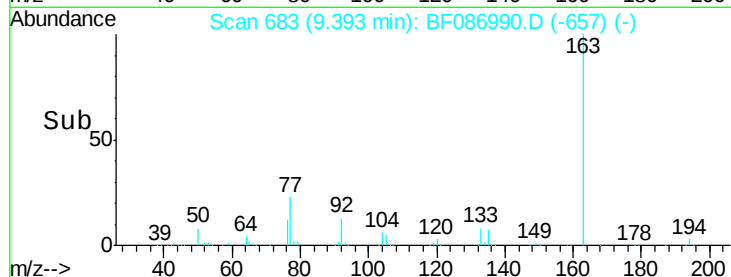
164 10.5 8.2 12.4



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: 47.82 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

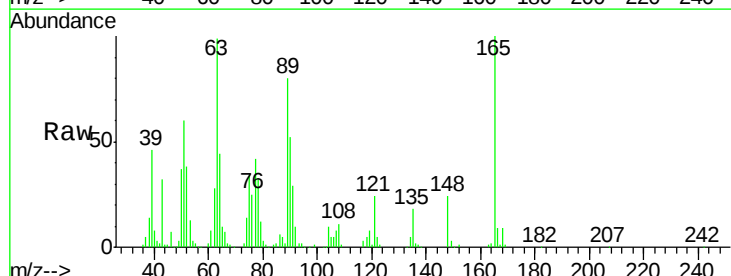
Tgt Ion:165 Resp: 209683

Ion Ratio Lower Upper

165 100

63 98.7 51.8 77.8#

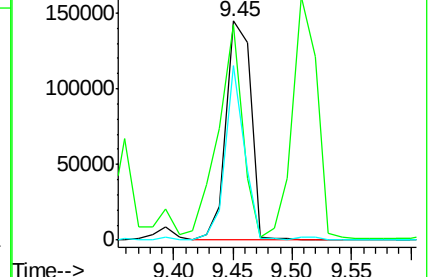
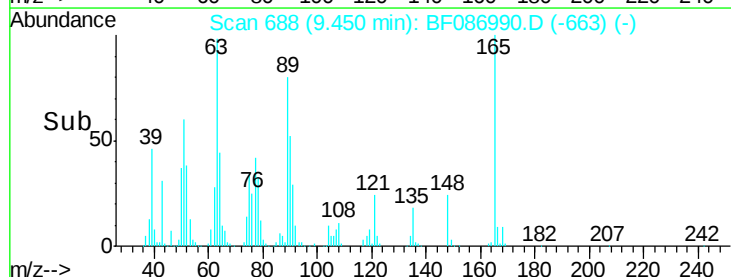
89 79.6 50.7 76.1#

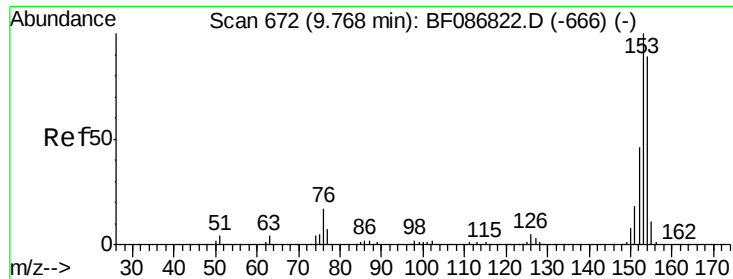


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 47.49 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

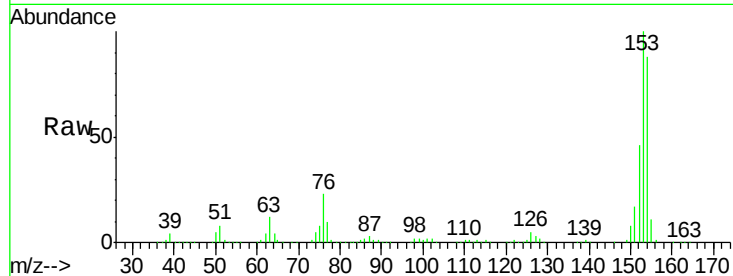
Tgt Ion:154 Resp: 739565

Ion Ratio Lower Upper

154 100

153 113.9 89.8 134.6

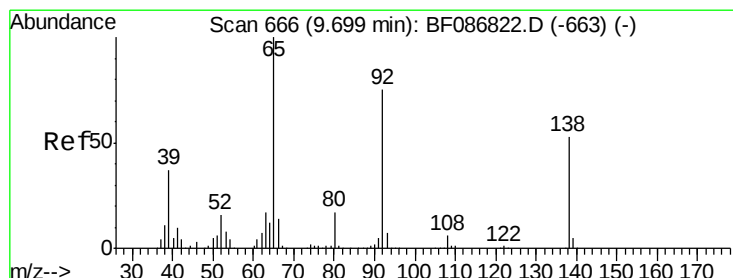
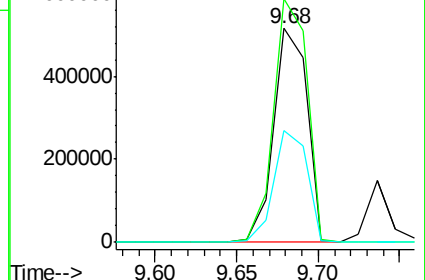
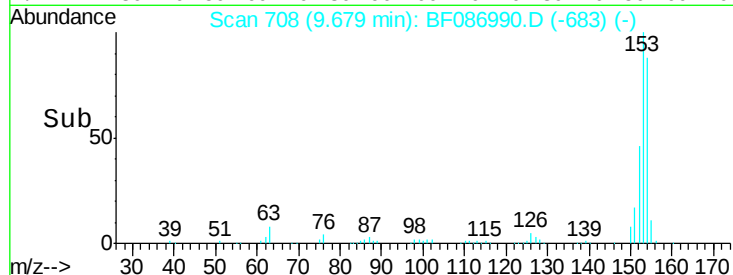
152 52.6 43.4 65.0



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: 22.61 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

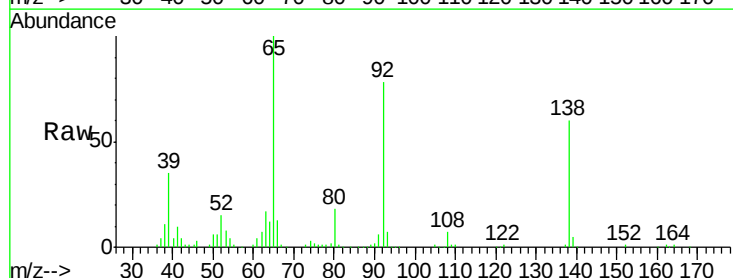
Tgt Ion:138 Resp: 104357

Ion Ratio Lower Upper

138 100

108 12.0 7.8 11.6#

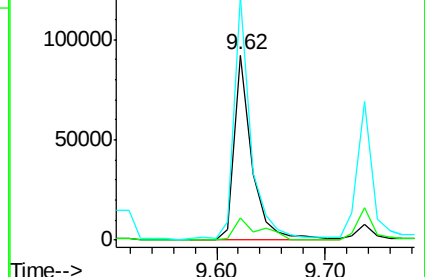
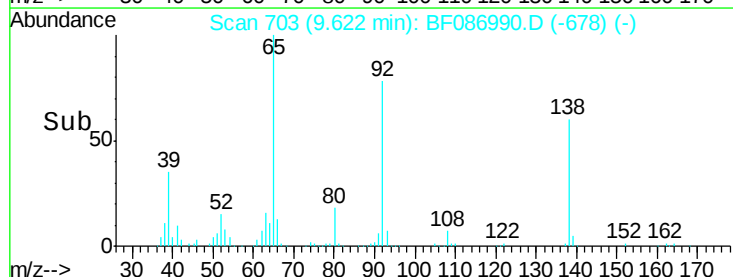
92 131.5 87.8 131.8

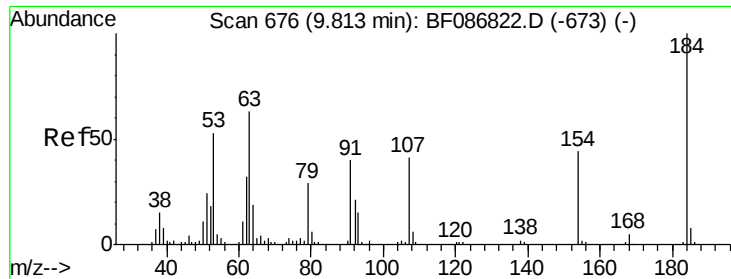


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

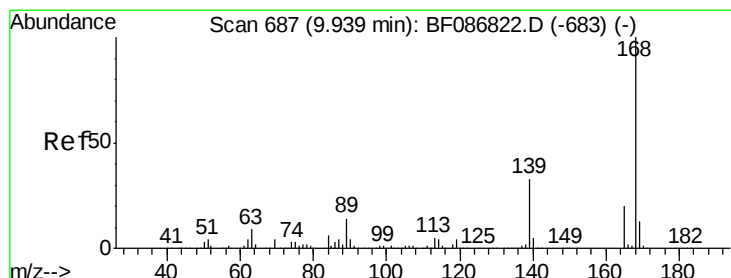
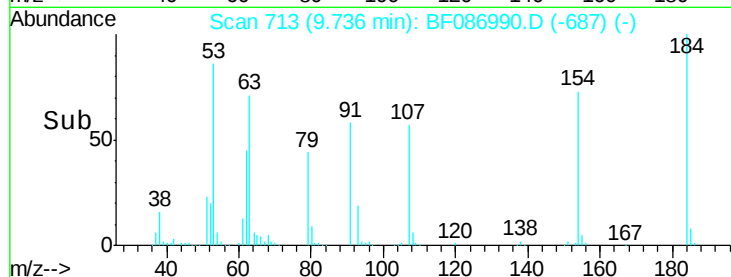
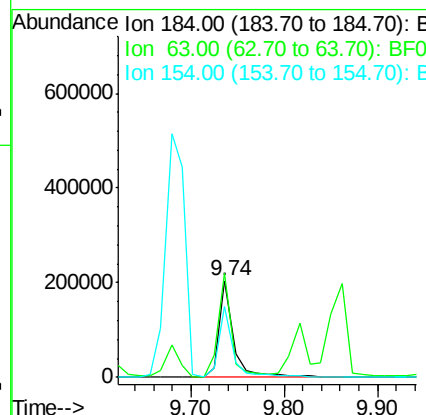
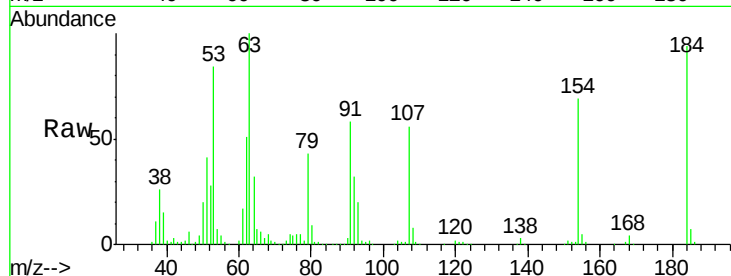




#53
 2,4-Dinitrophenol
 Concen: 97.64 ng
 RT: 9.74 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

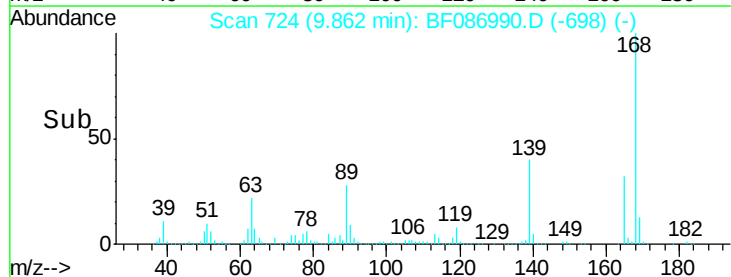
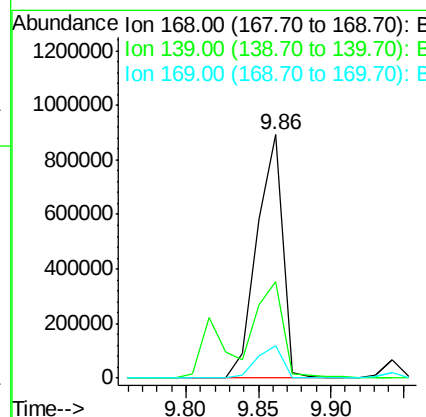
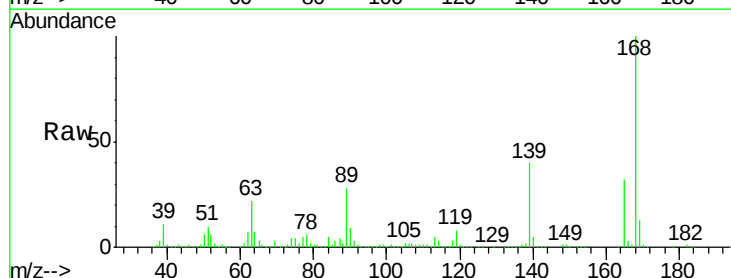
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MS

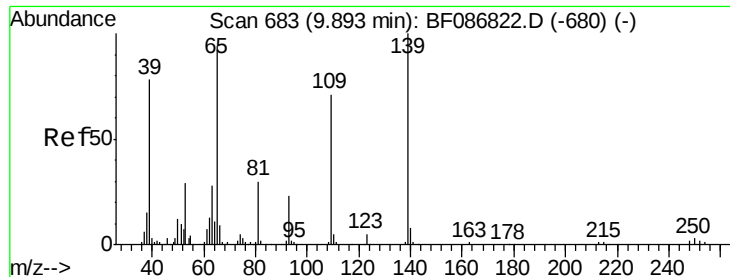
Tgt Ion:184 Resp: 223010
 Ion Ratio Lower Upper
 184 100
 63 106.6 55.8 83.8#
 154 73.2 62.4 93.6



#54
 Dibenzofuran
 Concen: 54.88 ng
 RT: 9.86 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

Tgt Ion:168 Resp: 1097025
 Ion Ratio Lower Upper
 168 100
 139 39.8 31.4 47.0
 169 13.1 10.7 16.1

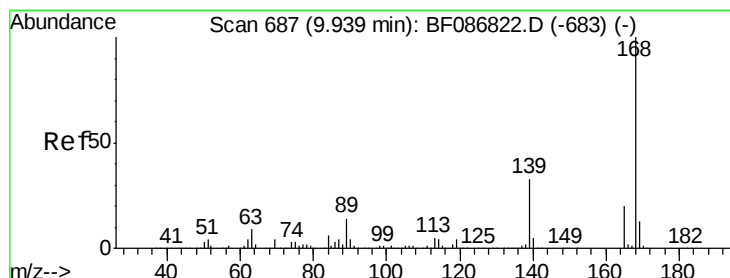
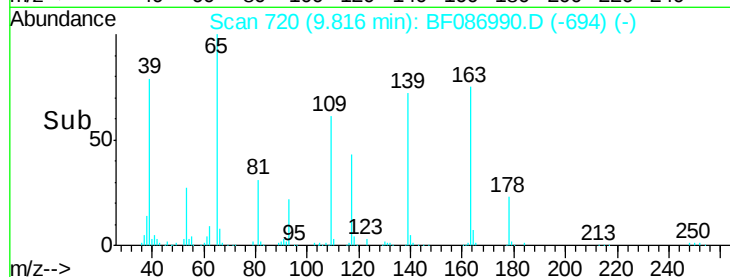
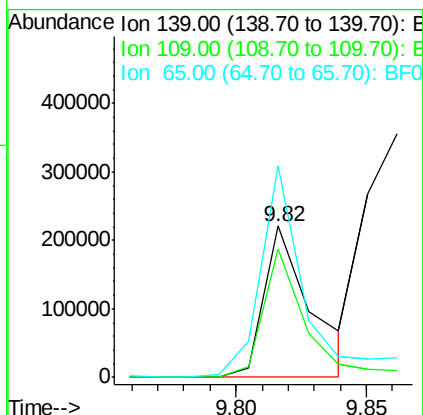
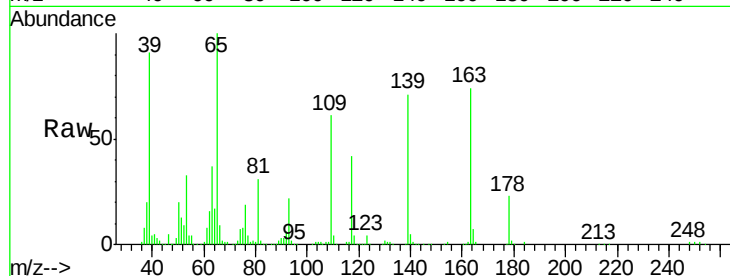




#55
4-Nitrophenol
Concen: 88.22 ng
RT: 9.82 min Scan# 720
Delta R.T. 0.00 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

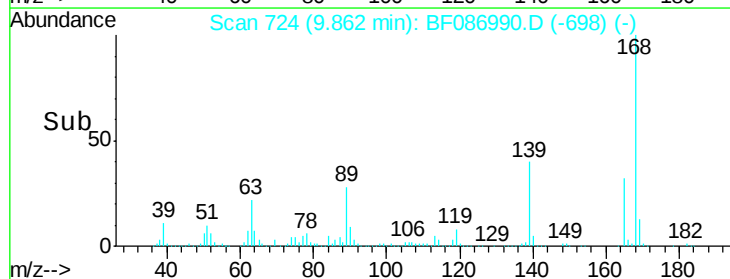
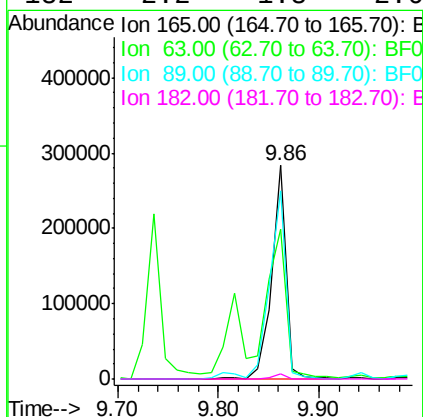
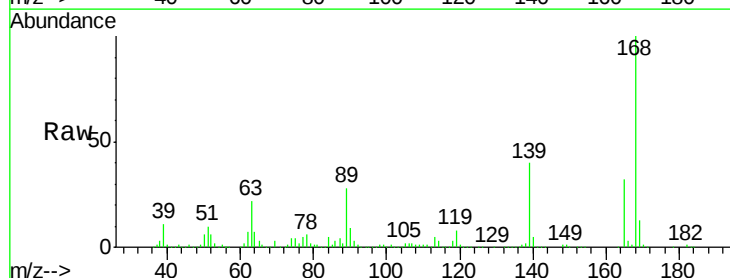
Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

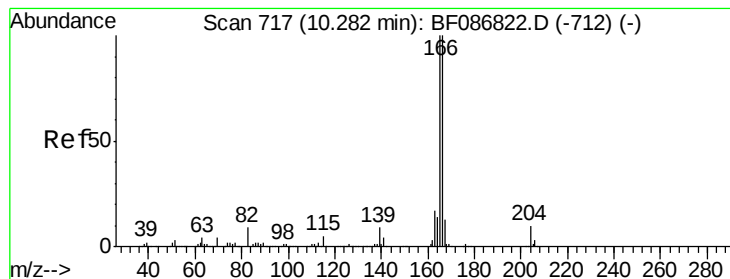
Tgt Ion:139 Resp: 273084
Ion Ratio Lower Upper
139 100
109 84.9 36.9 76.9#
65 140.3 64.0 104.0#



#56
2,4-Dinitrotoluene
Concen: 52.42 ng
RT: 9.86 min Scan# 724
Delta R.T. 0.00 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

Tgt Ion:165 Resp: 284450
Ion Ratio Lower Upper
165 100
63 70.1 44.3 66.5#
89 88.0 70.0 105.0
182 2.2 1.8 2.6





#57

Fluorene

Concen: 48.46 ng

RT: 10.19 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

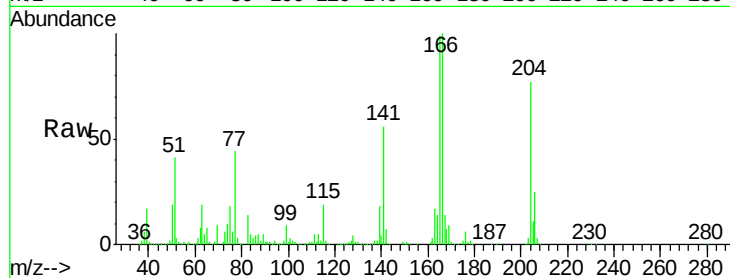
Tgt Ion:166 Resp: 826098

Ion Ratio Lower Upper

166 100

165 99.1 79.0 118.6

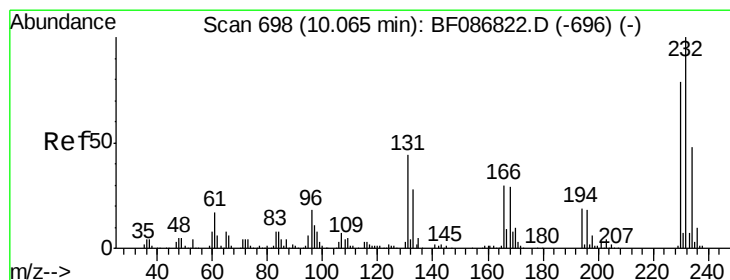
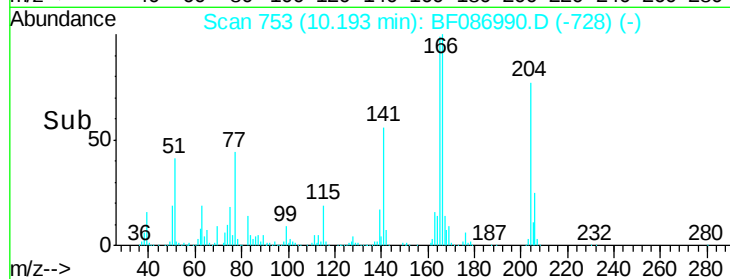
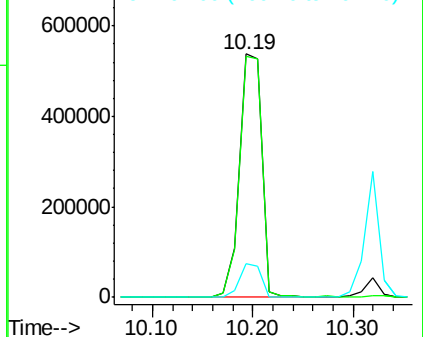
167 14.1 10.6 15.8



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



#58

2,3,4,6-Tetrachlorophenol

Concen: 56.76 ng

RT: 9.99 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

Tgt Ion:232 Resp: 234675

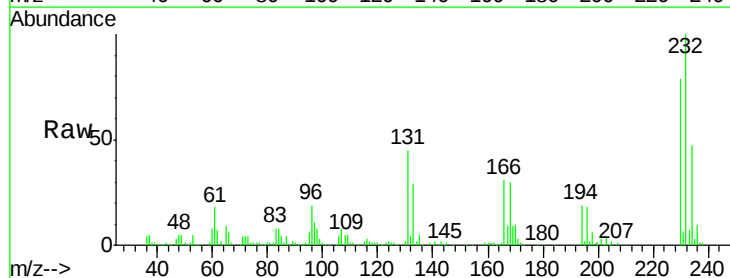
Ion Ratio Lower Upper

232 100

131 52.4 41.9 62.9

130 2.6 2.2 3.4

166 32.1 26.8 40.2

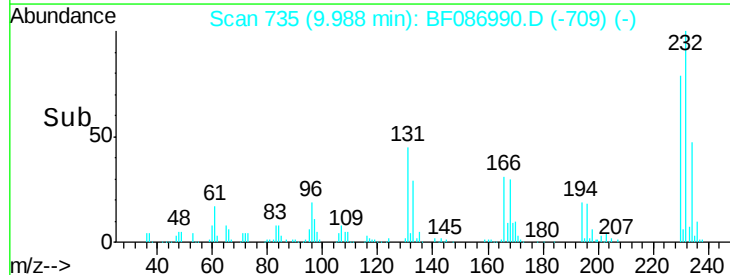
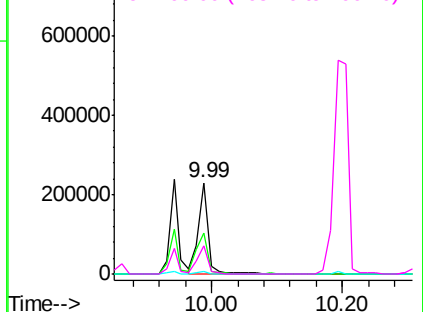


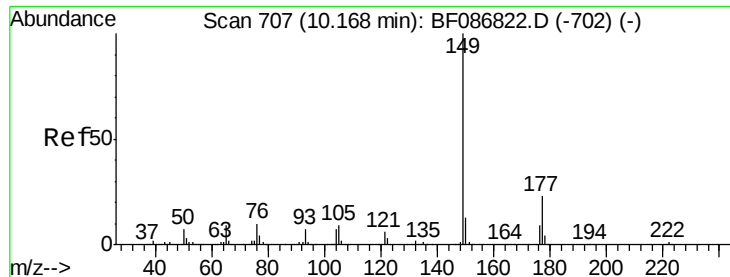
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

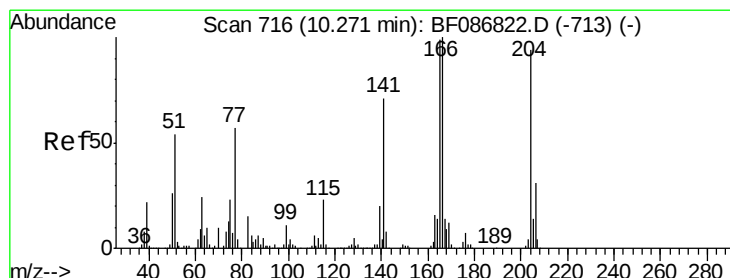
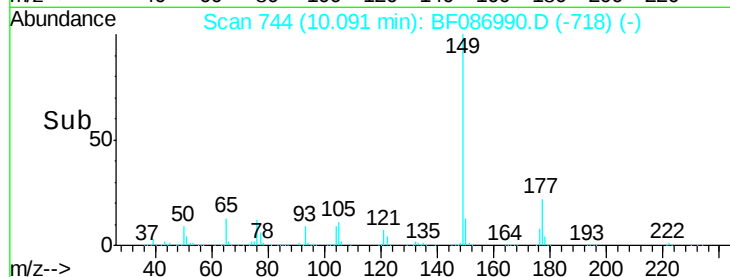
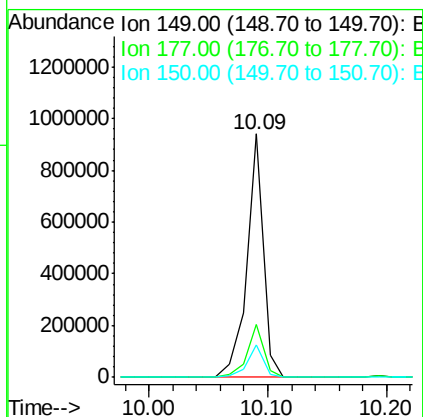
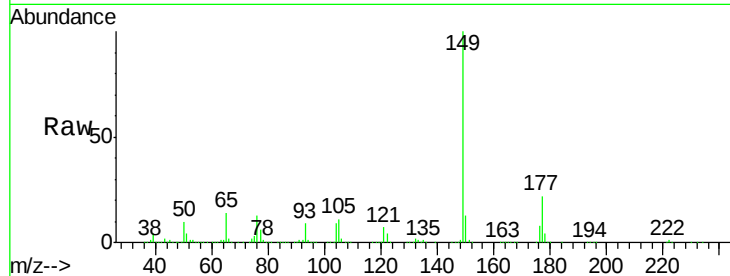




#59
Diethylphthalate
Concen: 45.13 ng
RT: 10.09 min Scan# 744
Delta R.T. 0.00 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

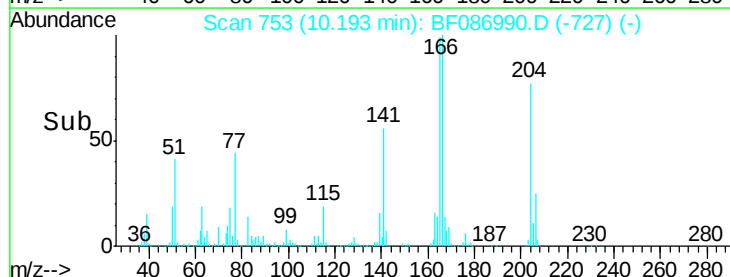
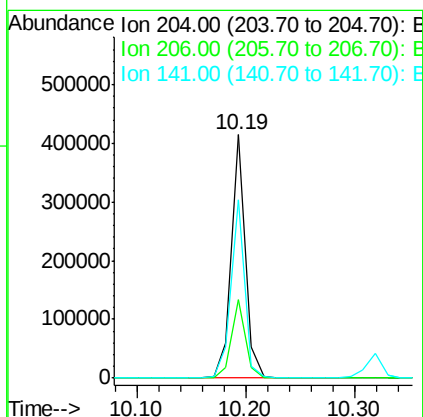
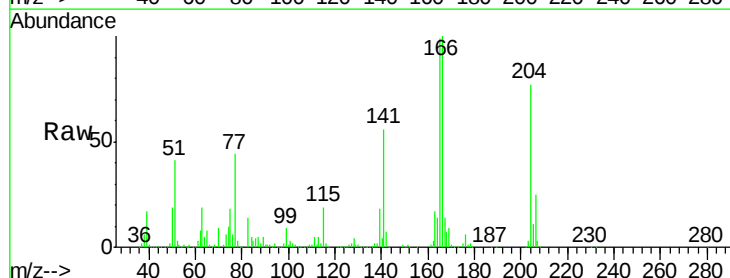
Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

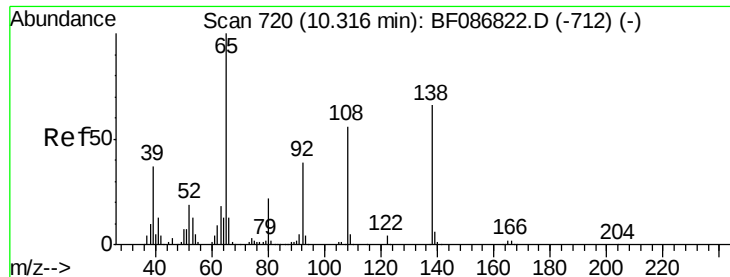
Tgt Ion:149 Resp: 916305
Ion Ratio Lower Upper
149 100
177 21.5 16.6 24.8
150 13.1 10.0 15.0



#60
4-Chlorophenyl-phenylether
Concen: 51.55 ng
RT: 10.19 min Scan# 753
Delta R.T. 0.00 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

Tgt Ion:204 Resp: 368803
Ion Ratio Lower Upper
204 100
206 32.0 25.4 38.0
141 73.1 61.6 92.4

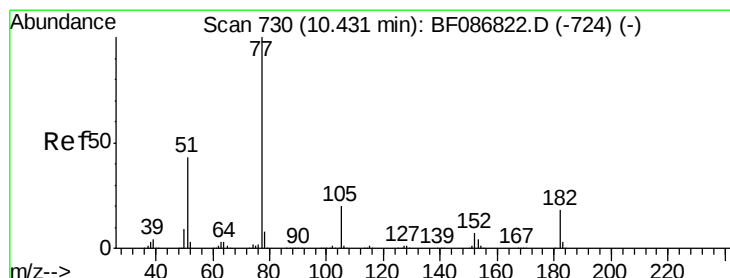
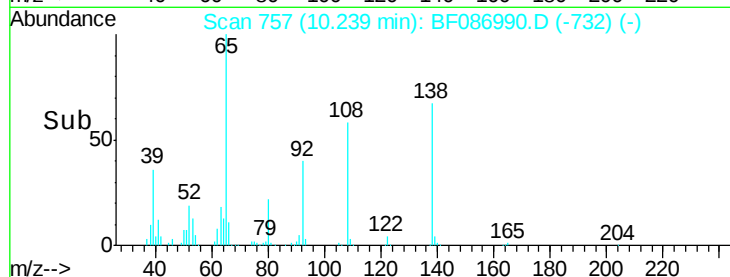
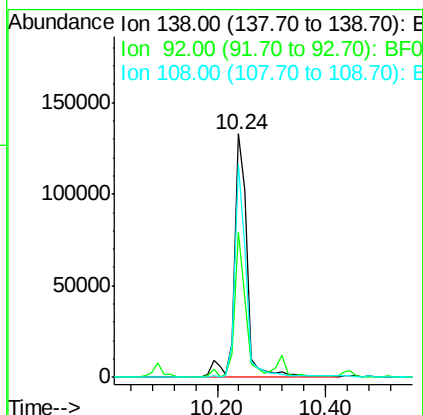
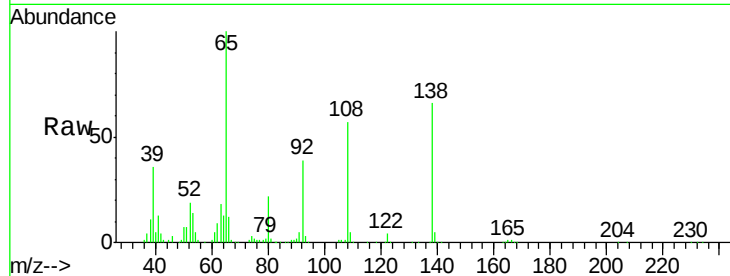




#61
4-Nitroaniline
Concen: 47.87 ng
RT: 10.24 min Scan# 757
Delta R.T. -0.01 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

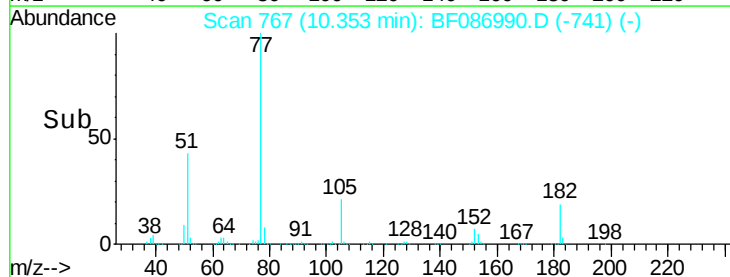
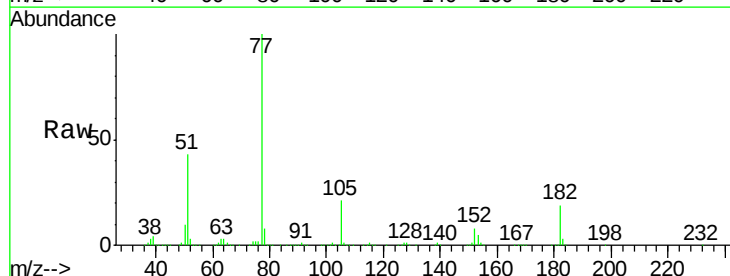
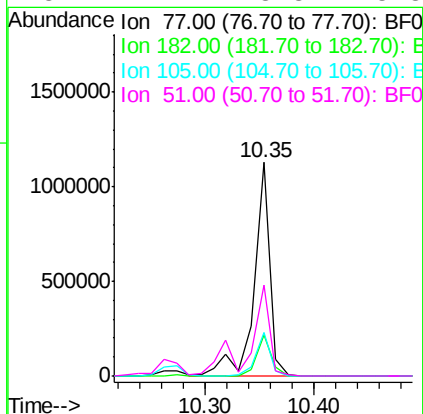
Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

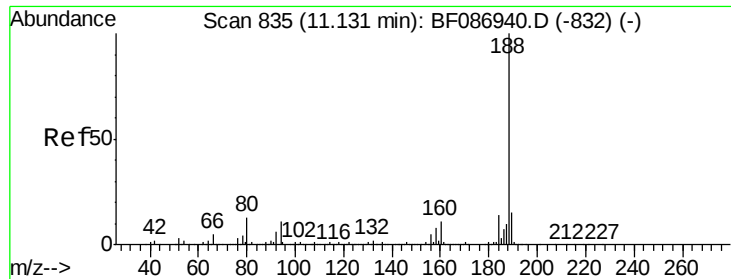
Tgt Ion:138 Resp: 212227
Ion Ratio Lower Upper
138 100
92 59.7 24.7 64.7
108 87.3 37.4 77.4#



#62
Azobenzene
Concen: 52.16 ng
RT: 10.35 min Scan# 767
Delta R.T. 0.00 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

Tgt Ion: 77 Resp: 1142669
Ion Ratio Lower Upper
77 100
182 19.0 0.0 38.8
105 20.6 3.2 43.2
51 42.7 8.8 48.8

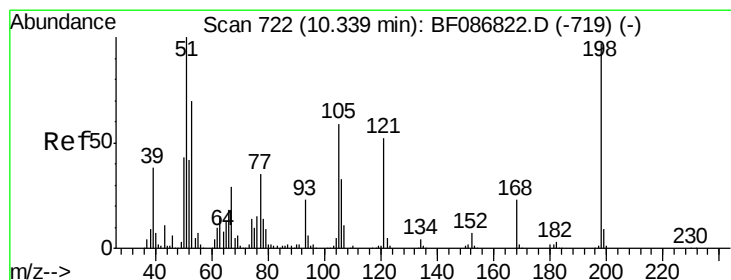
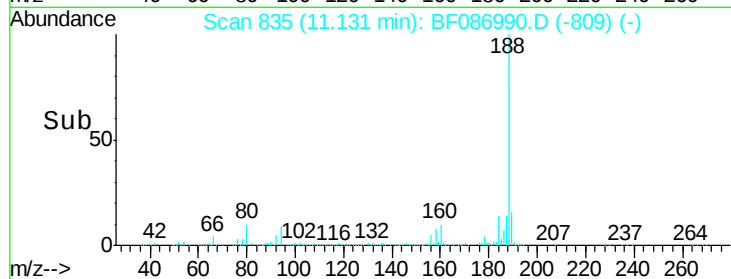
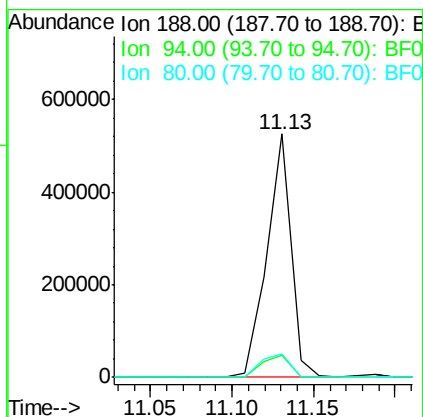
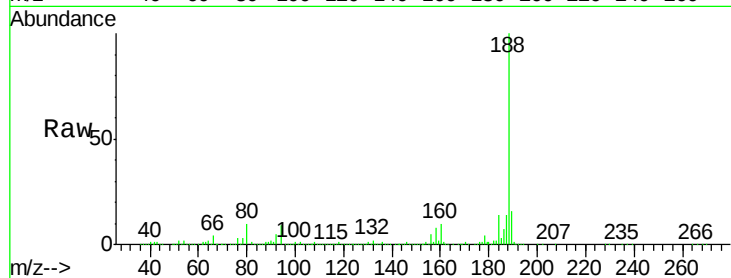




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. 0.00 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

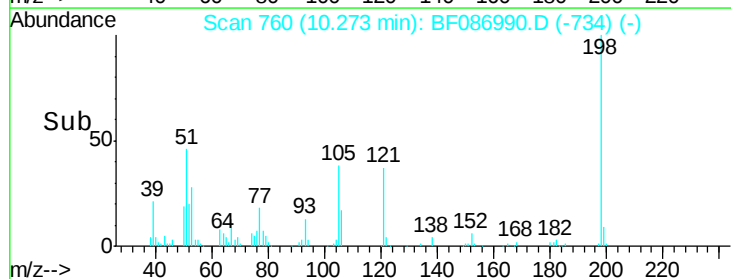
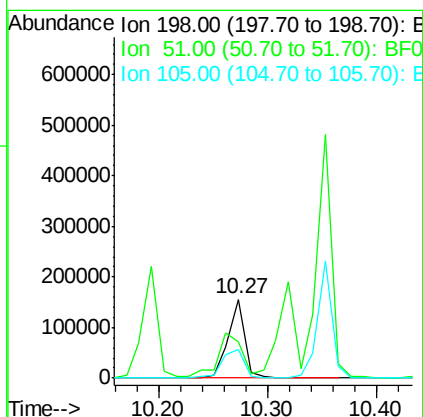
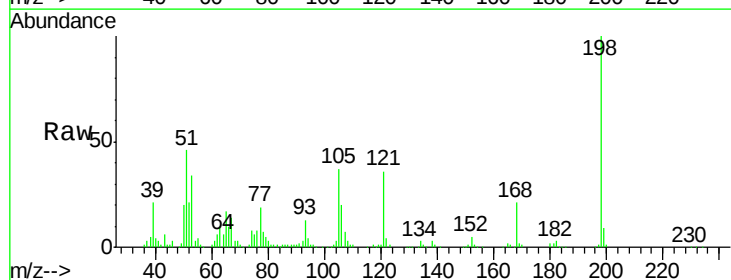
Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

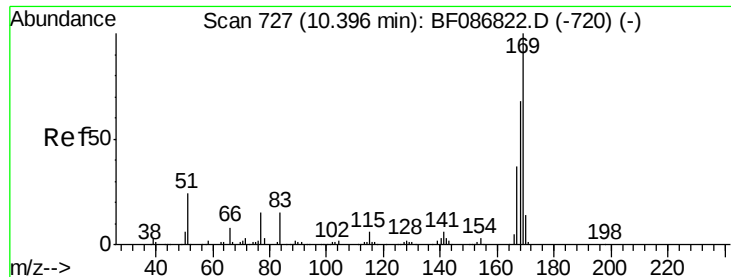
Tgt Ion:188 Resp: 543729
Ion Ratio Lower Upper
188 100
94 9.0 6.8 10.2
80 9.6 7.1 10.7



#64
4,6-Dinitro-2-methylphenol
Concen: 49.02 ng
RT: 10.27 min Scan# 760
Delta R.T. 0.00 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

Tgt Ion:198 Resp: 165565
Ion Ratio Lower Upper
198 100
51 45.5 20.5 60.5
105 36.7 24.5 64.5

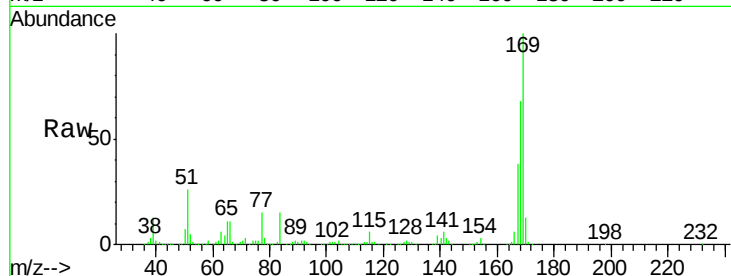




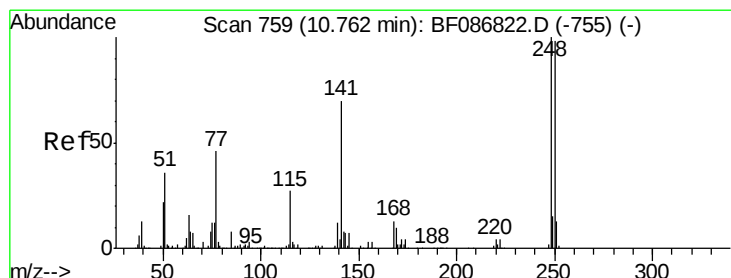
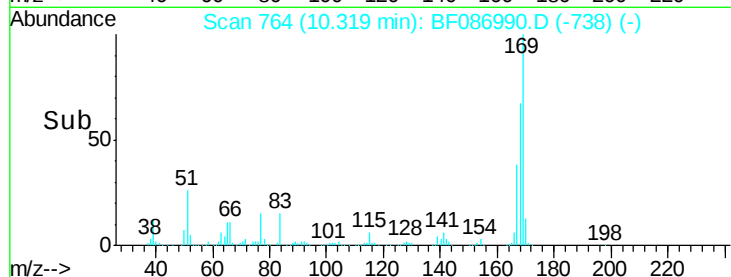
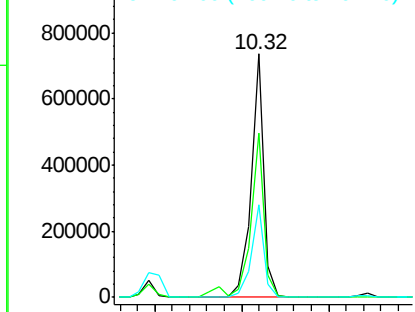
#65
n-Nitrosodiphenylamine
Concen: 45.18 ng
RT: 10.32 min Scan# 764
Delta R.T. 0.00 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

Tgt Ion:169 Resp: 754724
Ion Ratio Lower Upper
169 100
168 67.6 53.8 80.6
167 37.8 29.5 44.3

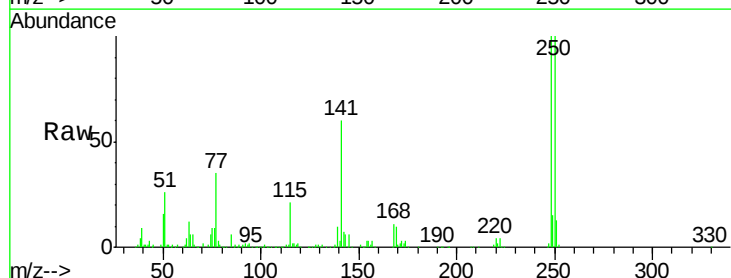


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

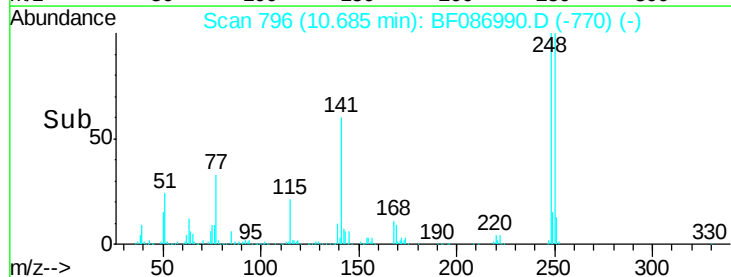
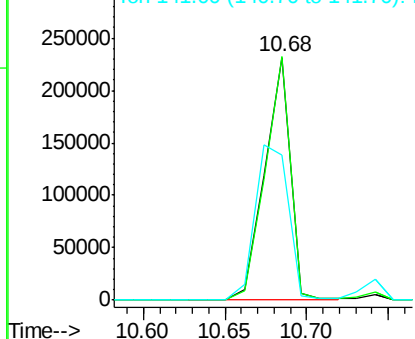


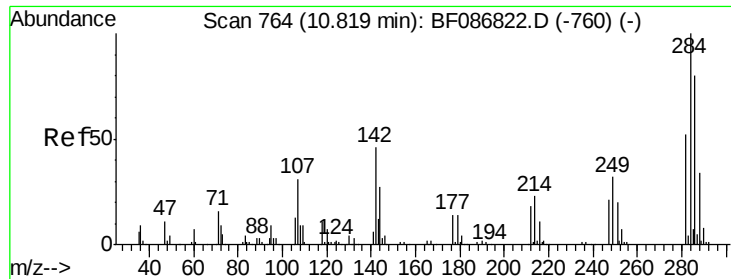
#66
4-Bromophenyl-phenylether
Concen: 46.06 ng
RT: 10.68 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

Tgt Ion:248 Resp: 253930
Ion Ratio Lower Upper
248 100
250 100.3 78.6 117.8
141 59.9 76.0 114.0#



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

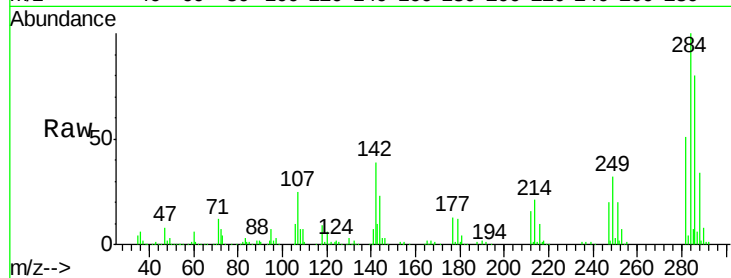




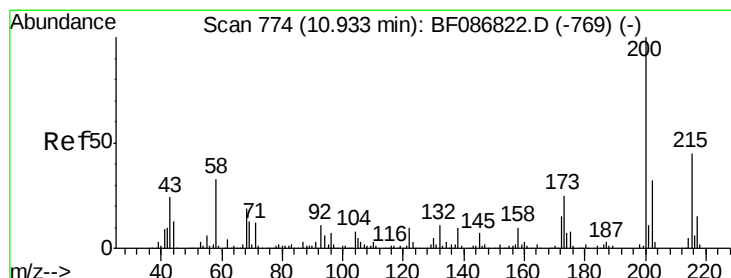
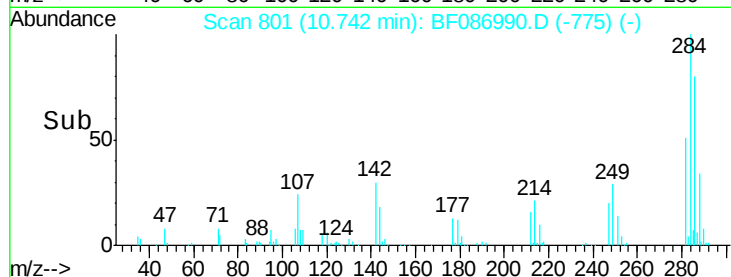
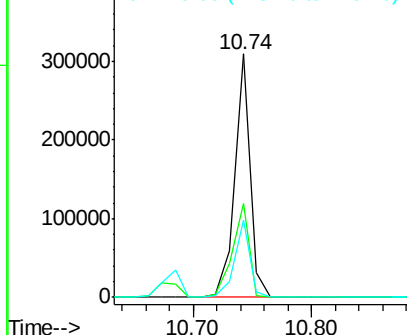
#67
Hexachlorobenzene
Concen: 43.44 ng
RT: 10.74 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

Tgt Ion:284 Resp: 279867
Ion Ratio Lower Upper
284 100
142 38.6 16.7 25.1#
249 31.9 21.3 31.9

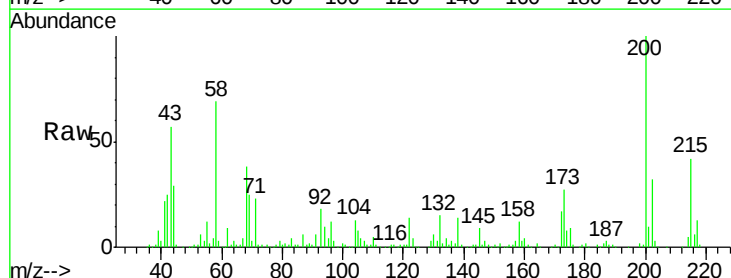


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

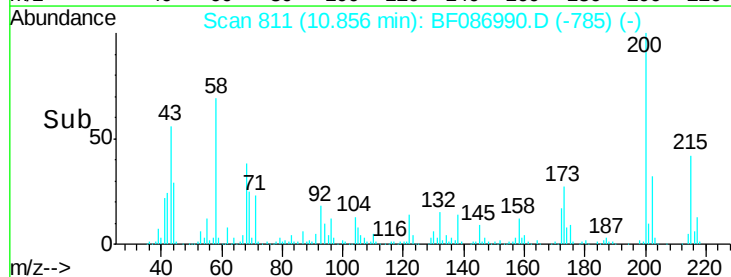
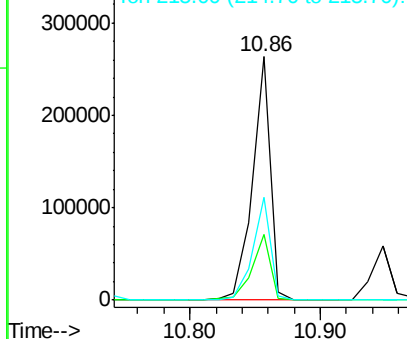


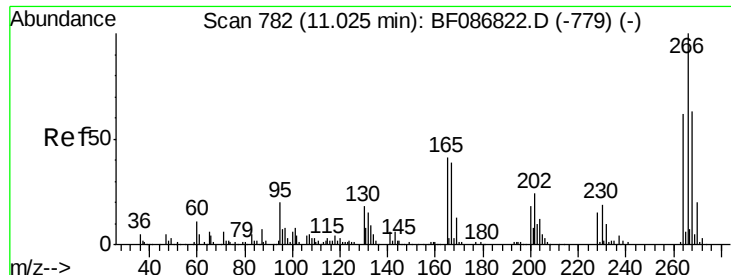
#68
Atrazine
Concen: 45.20 ng
RT: 10.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

Tgt Ion:200 Resp: 252239
Ion Ratio Lower Upper
200 100
173 27.0 8.5 48.5
215 42.1 27.2 67.2



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

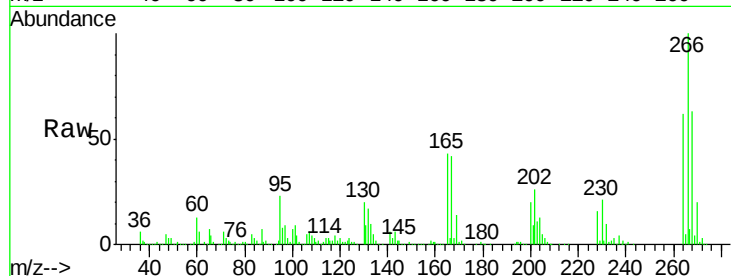




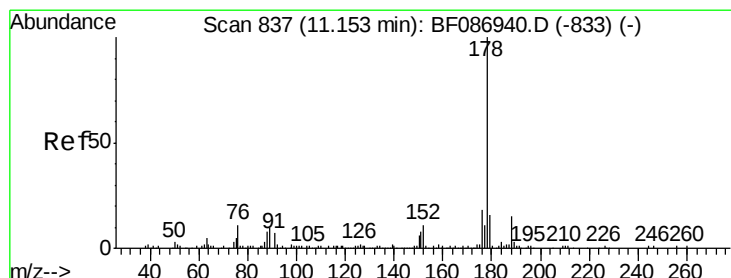
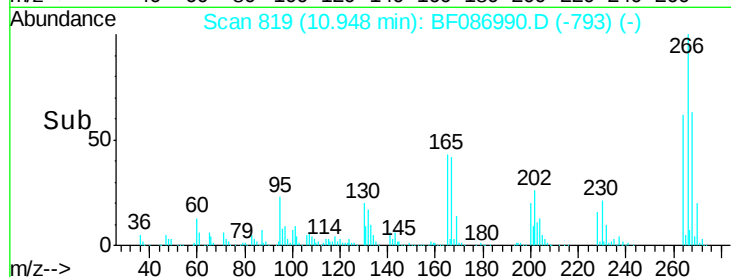
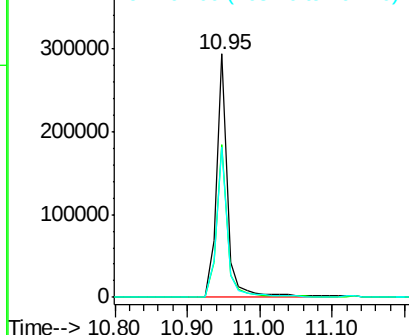
#69
 Pentachlorophenol
 Concen: 105.23 ng
 RT: 10.95 min Scan# 819
 Delta R.T. 0.00 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MS

Tgt Ion:266 Resp: 313320
 Ion Ratio Lower Upper
 266 100
 268 62.9 51.5 77.3
 264 61.8 52.9 79.3

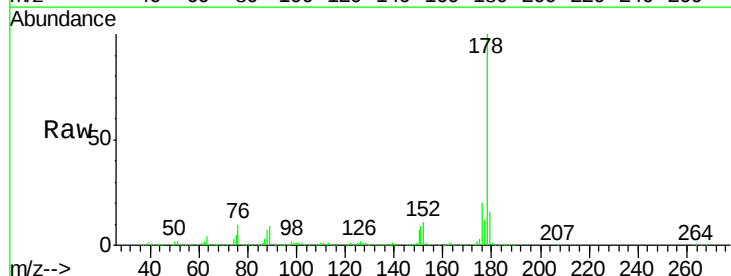


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

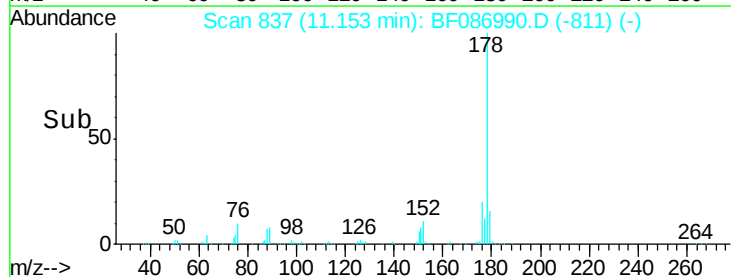
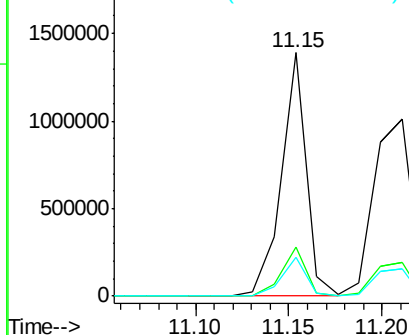


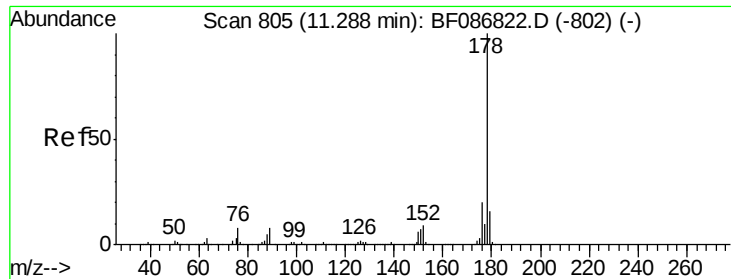
#70
 Phenanthrene
 Concen: 44.30 ng
 RT: 11.15 min Scan# 837
 Delta R.T. 0.00 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

Tgt Ion:178 Resp: 1285462
 Ion Ratio Lower Upper
 178 100
 176 20.4 16.0 24.0
 179 16.0 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

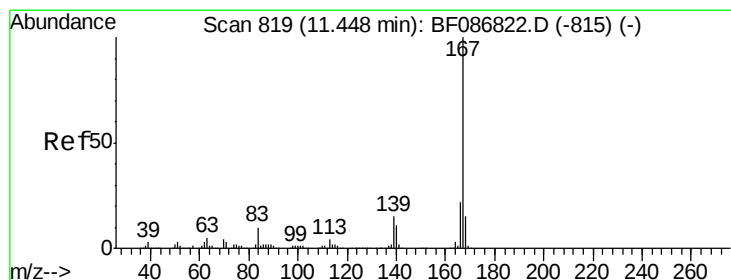
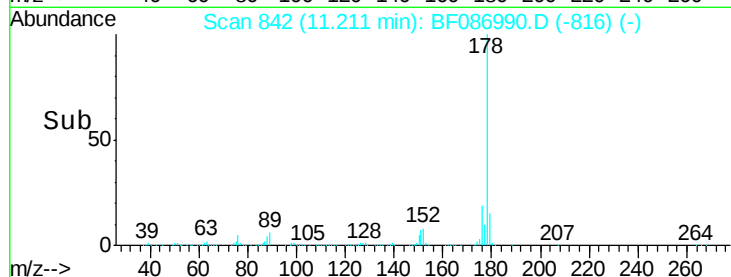
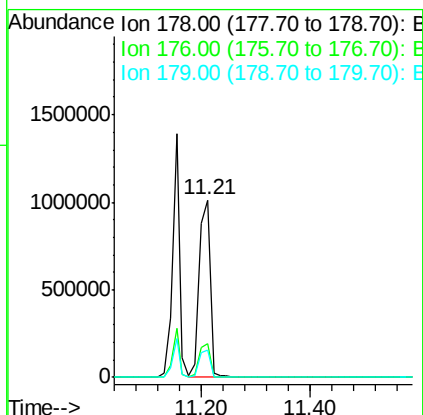
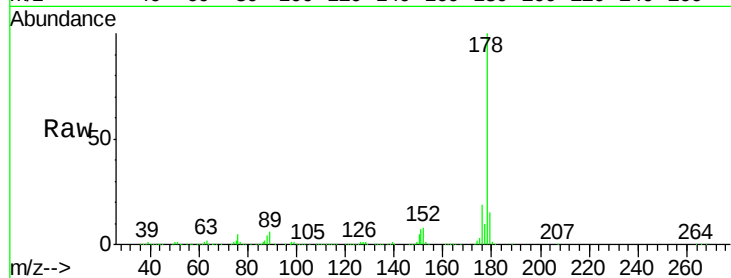




#71
 Anthracene
 Concen: 47.10 ng
 RT: 11.21 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

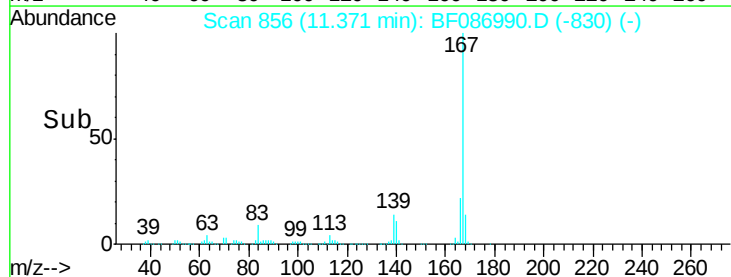
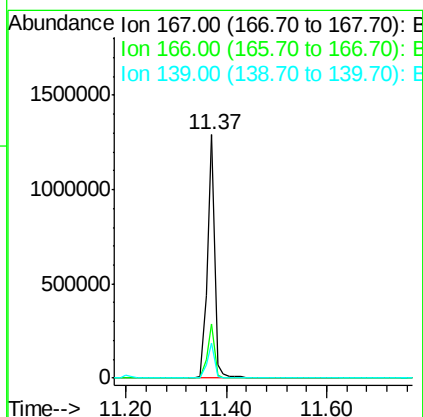
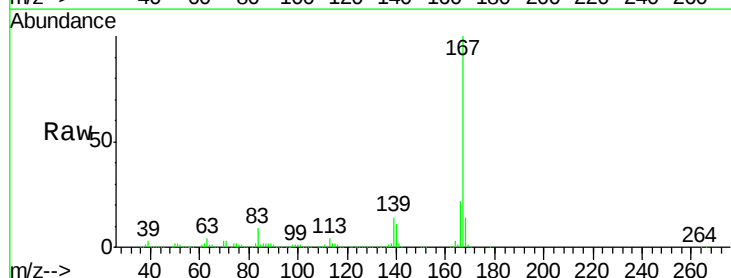
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MS

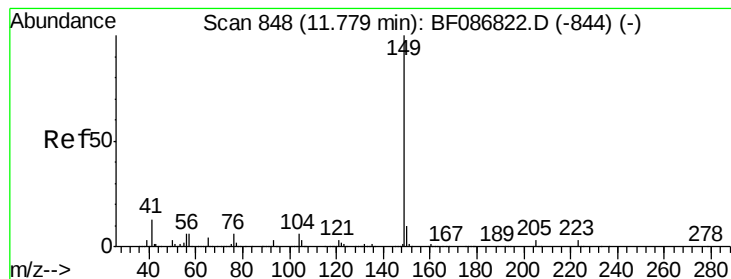
Tgt Ion:178 Resp: 1397811
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.6 23.4
 179 15.2 12.7 19.1



#72
 Carbazole
 Concen: 50.59 ng
 RT: 11.37 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

Tgt Ion:167 Resp: 1290463
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.7 26.5
 139 14.4 10.8 16.2





#73

Di-n-butylphthalate

Concen: 43.65 ng

RT: 11.70 min Scan# 885

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

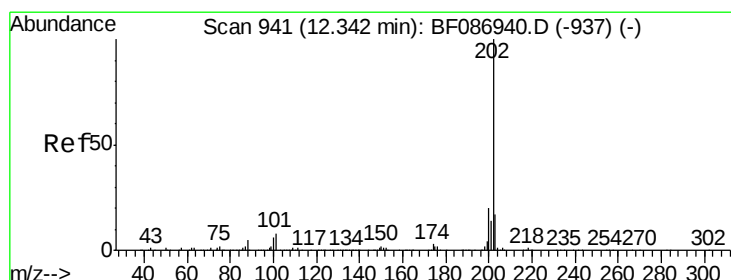
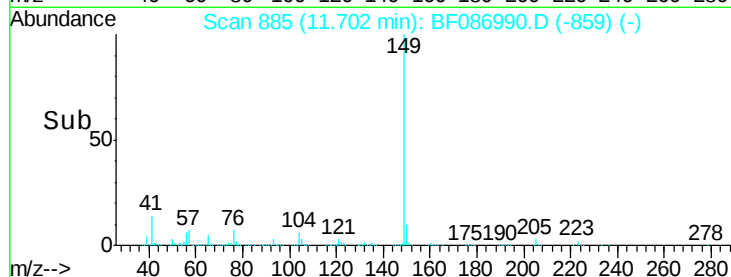
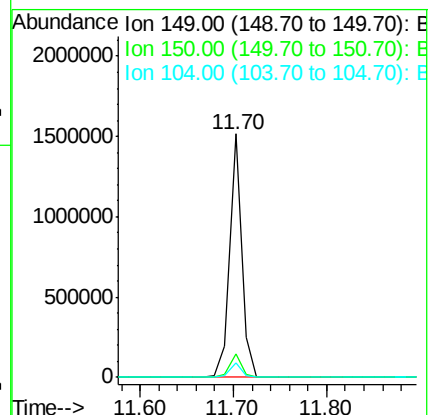
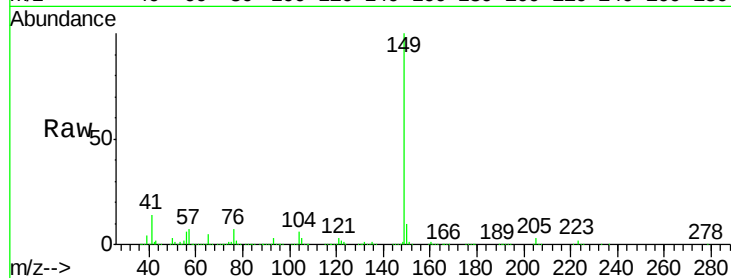
Tgt Ion:149 Resp: 1359754

Ion Ratio Lower Upper

149 100

150 9.6 7.6 11.4

104 6.2 3.8 5.6#



#74

Fluoranthene

Concen: 42.72 ng

RT: 12.33 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

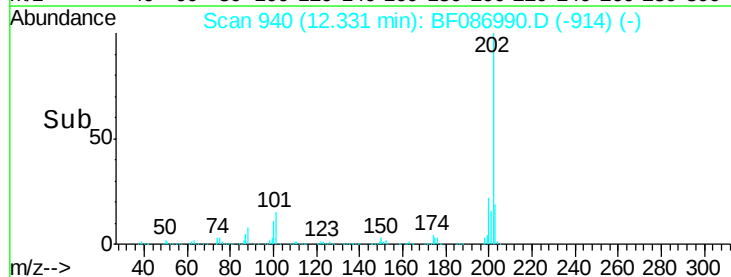
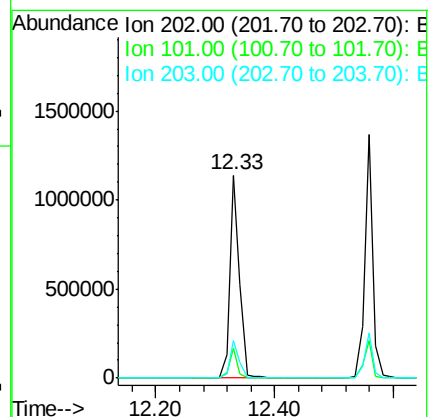
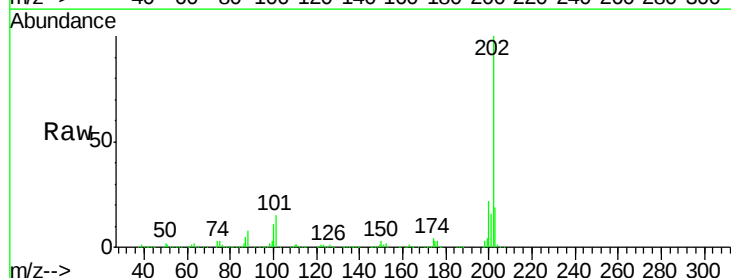
Tgt Ion:202 Resp: 1275070

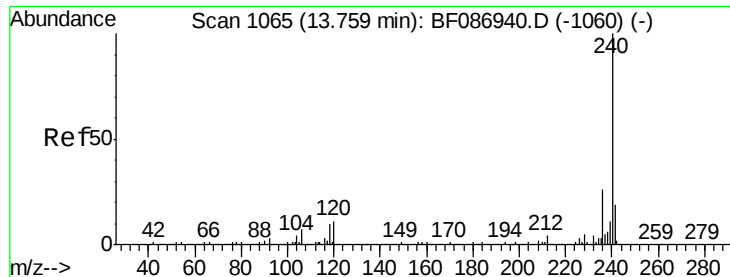
Ion Ratio Lower Upper

202 100

101 14.9 0.0 35.4

203 18.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

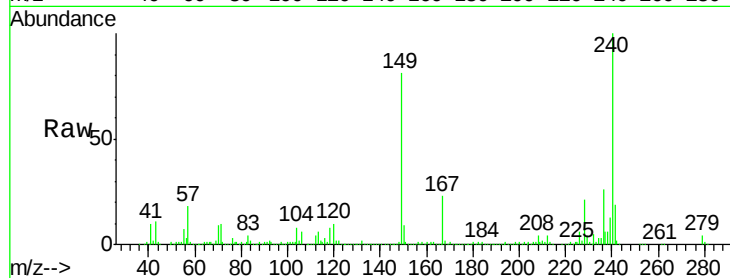
Tgt Ion:240 Resp: 415372

Ion Ratio Lower Upper

240 100

120 9.6 11.2 16.8#

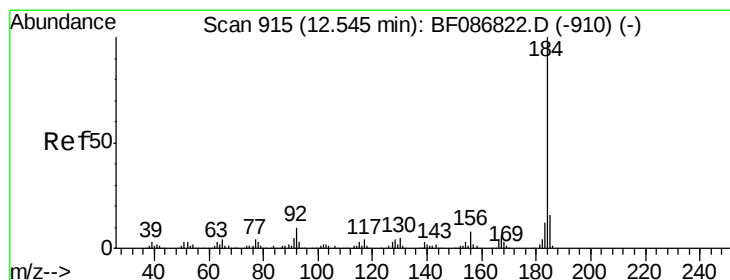
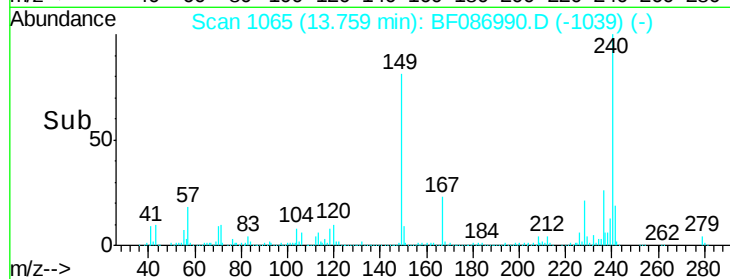
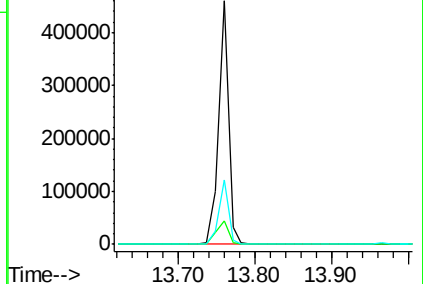
236 26.4 21.2 31.8



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



#76

Benzidine

Concen: 5.03 ng

RT: 12.47 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

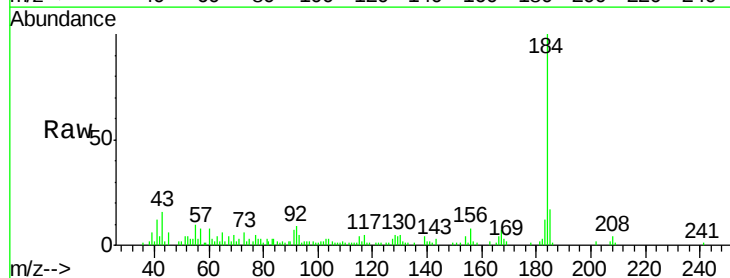
Tgt Ion:184 Resp: 53239

Ion Ratio Lower Upper

184 100

185 16.6 13.6 20.4

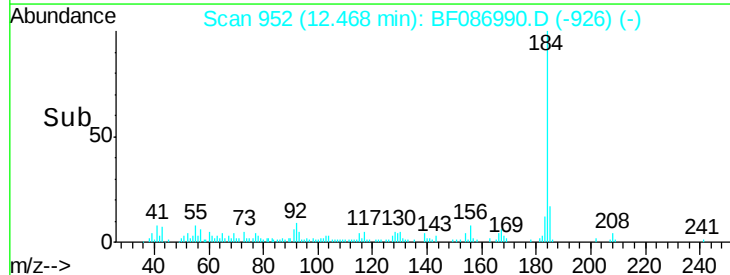
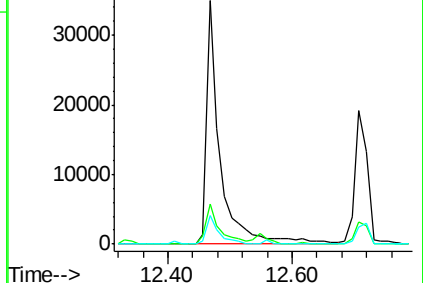
183 11.9 9.8 14.6

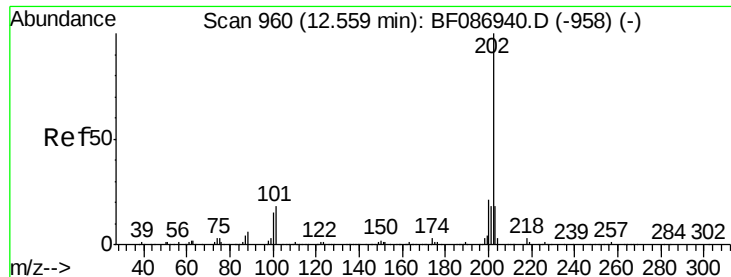


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 40.46 ng

RT: 12.56 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

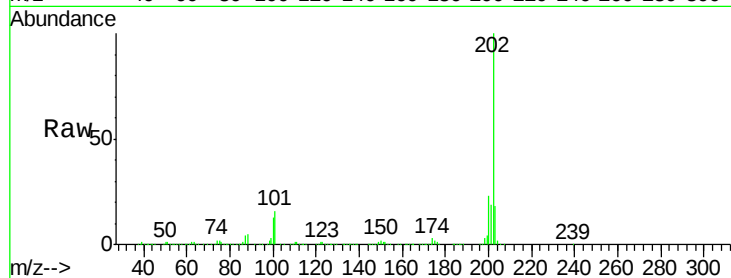
Tgt Ion:202 Resp: 1286675

Ion Ratio Lower Upper

202 100

200 23.0 17.7 26.5

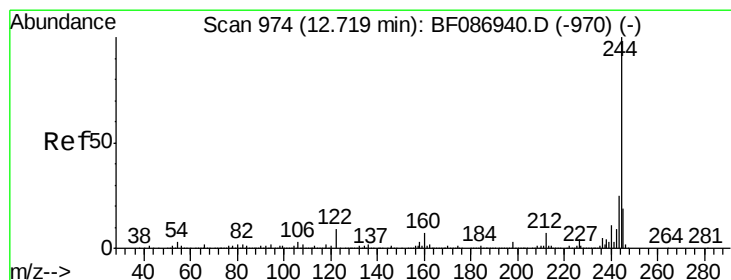
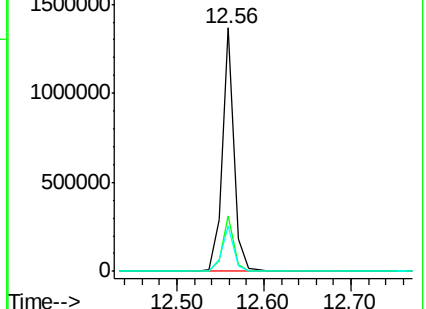
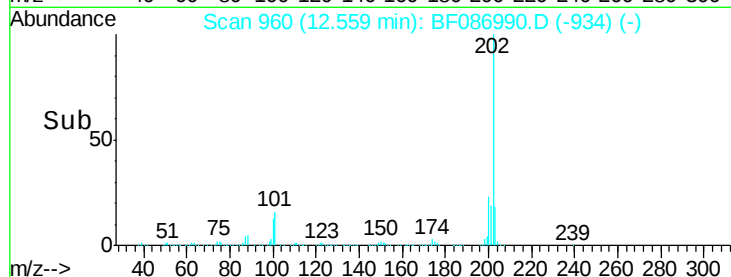
203 18.4 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 84.68 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

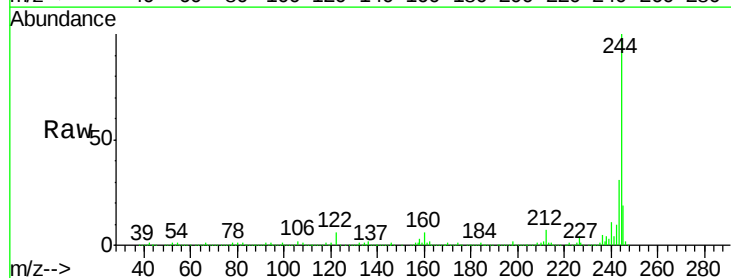
Tgt Ion:244 Resp: 1657801

Ion Ratio Lower Upper

244 100

212 6.7 6.2 9.2

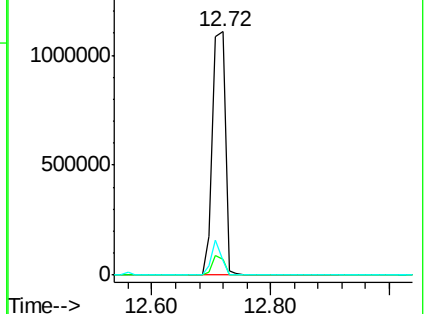
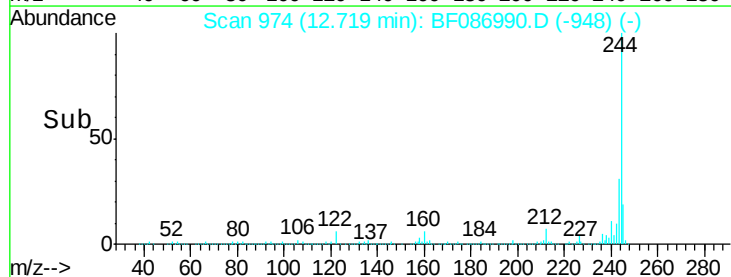
122 5.8 12.0 18.0#

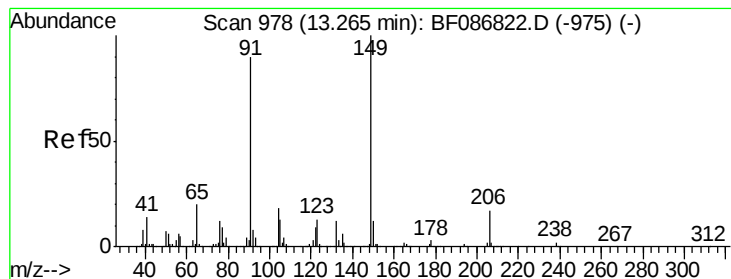


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 43.67 ng

RT: 13.19 min Scan# 1015

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

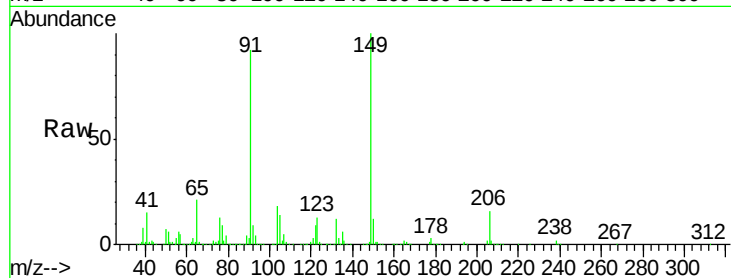
Tgt Ion:149 Resp: 587402

Ion Ratio Lower Upper

149 100

91 91.6 48.0 72.0#

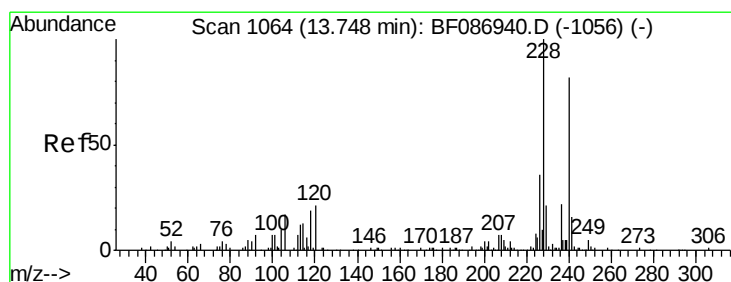
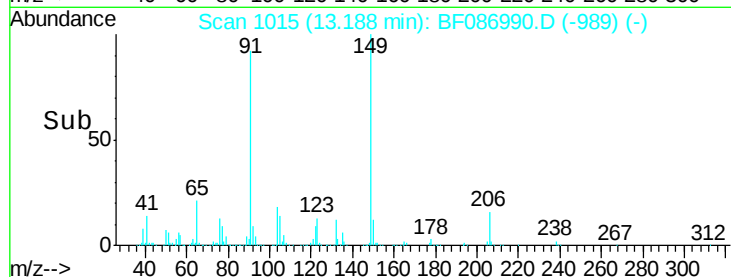
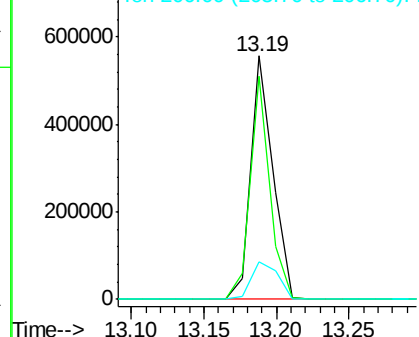
206 15.6 15.8 23.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 45.77 ng

RT: 13.75 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

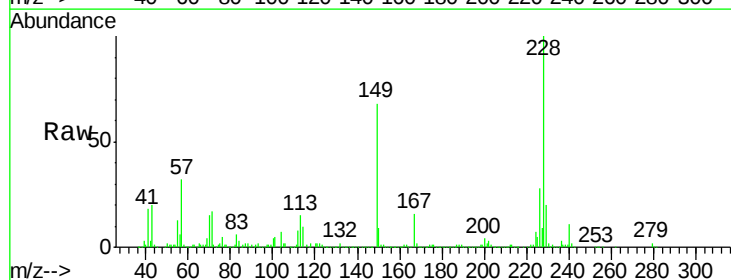
Tgt Ion:228 Resp: 1067375

Ion Ratio Lower Upper

228 100

226 27.7 22.5 33.7

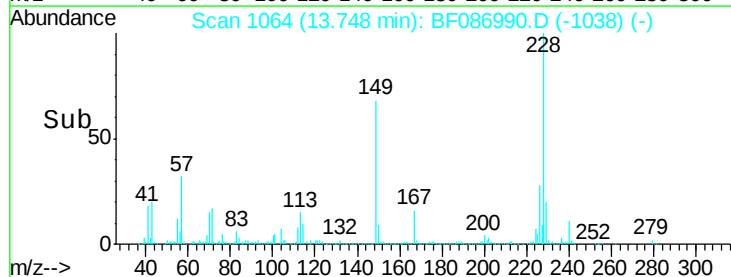
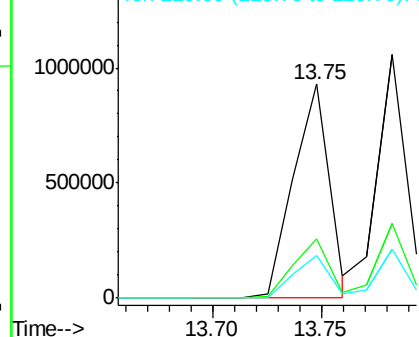
229 19.9 16.6 25.0

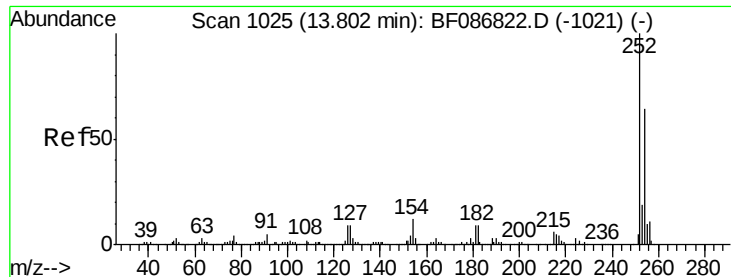


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#81

3,3'-Dichlorobenzidine

Concen: 12.04 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.01 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

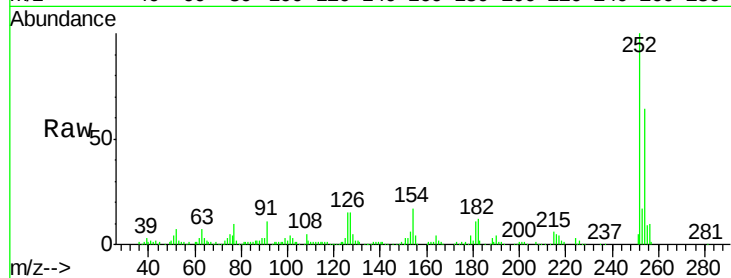
Tgt Ion:252 Resp: 178399

Ion Ratio Lower Upper

252 100

254 64.1 50.7 76.1

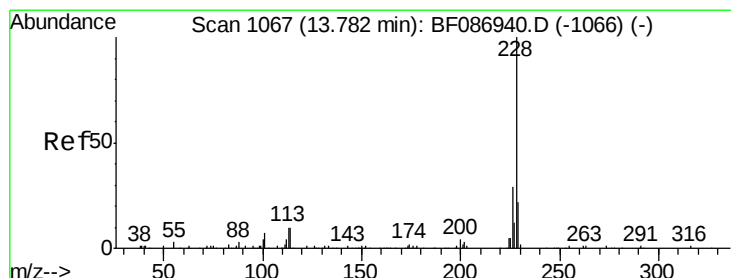
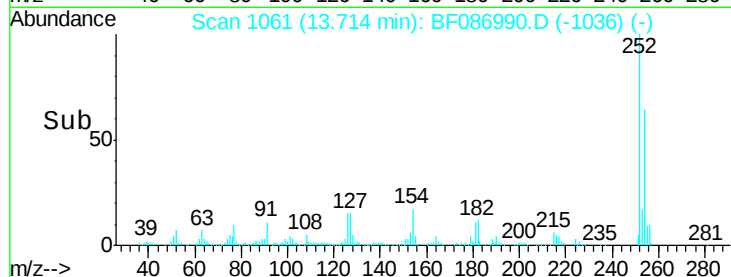
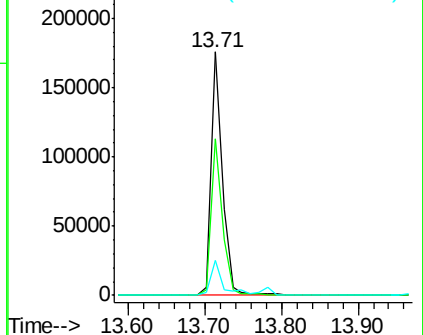
126 14.6 12.7 19.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 42.79 ng

RT: 13.78 min Scan# 1067

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

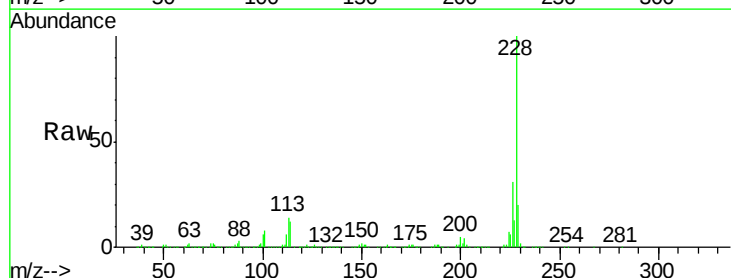
Tgt Ion:228 Resp: 1014892

Ion Ratio Lower Upper

228 100

226 30.9 24.4 36.6

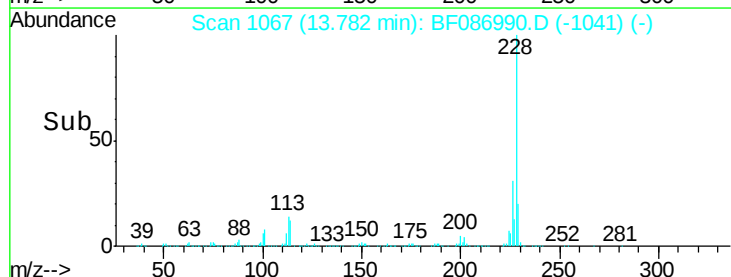
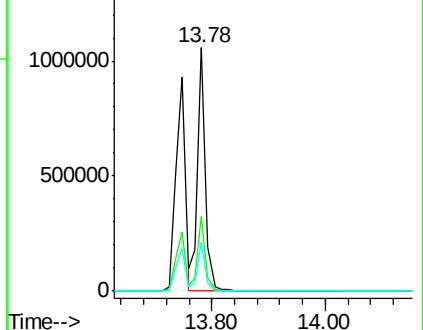
229 20.0 15.8 23.8

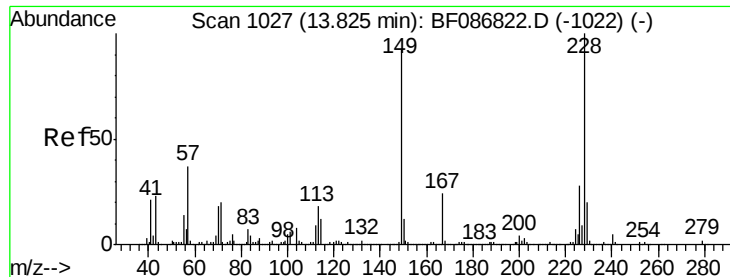


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 44.99 ng

RT: 13.75 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

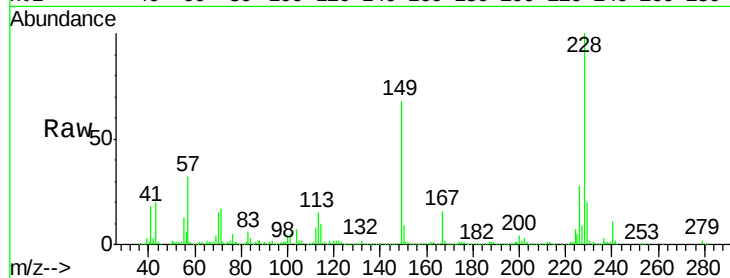
Tgt Ion:149 Resp: 727960

Ion Ratio Lower Upper

149 100

167 24.1 21.8 32.6

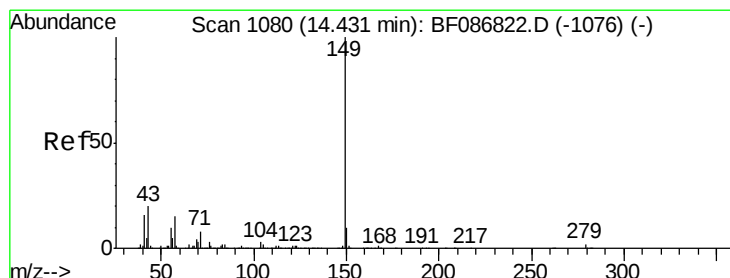
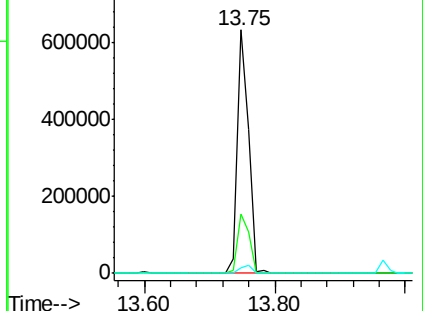
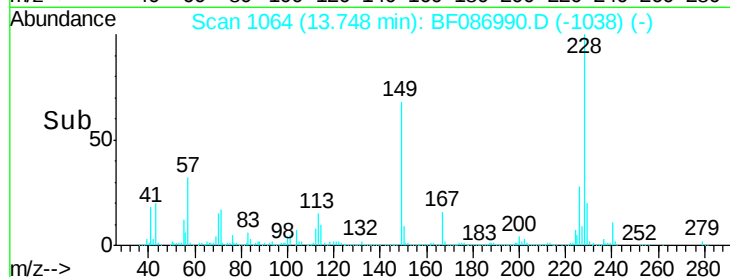
279 2.2 2.6 4.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 49.28 ng

RT: 14.37 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

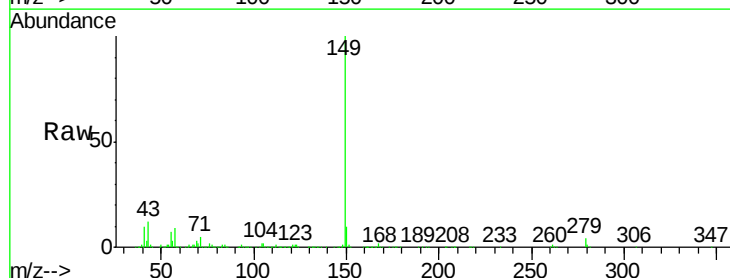
Tgt Ion:149 Resp: 1320775

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

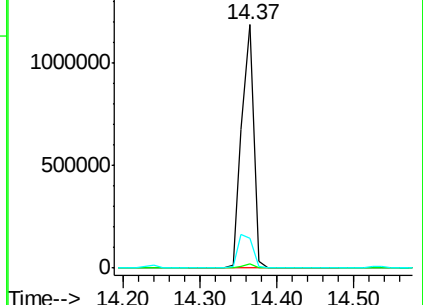
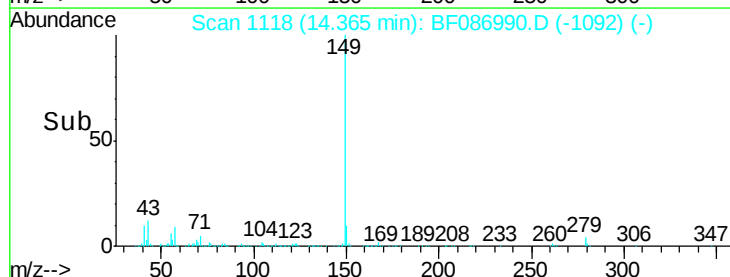
43 16.2 8.2 12.4#

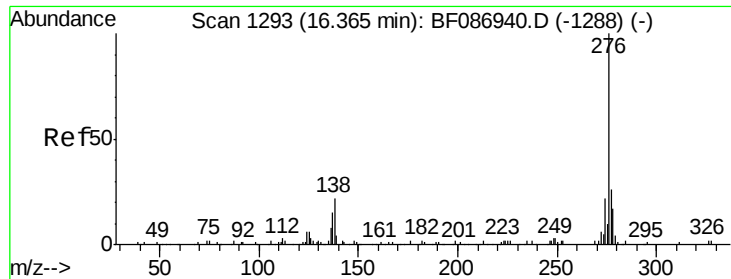


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





#85

Indeno(1,2,3-cd)pyrene

Concen: 43.74 ng

RT: 16.37 min Scan# 1293

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

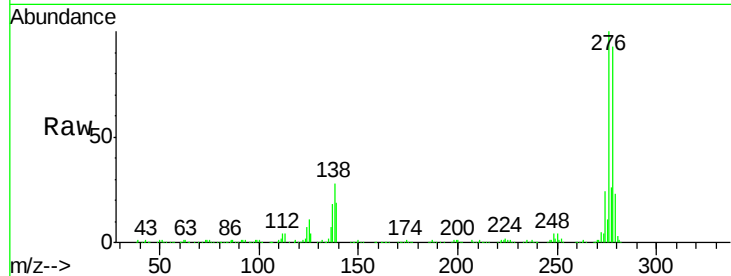
Tgt Ion:276 Resp: 863144

Ion Ratio Lower Upper

276 100

138 26.8 25.6 38.4

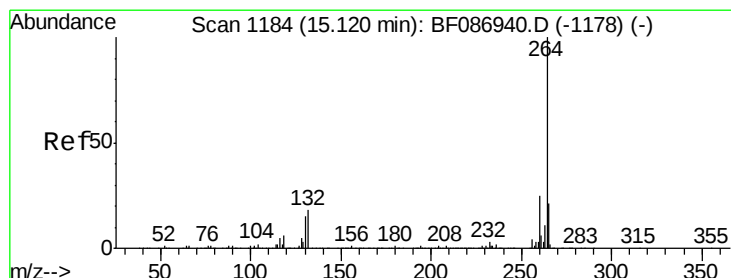
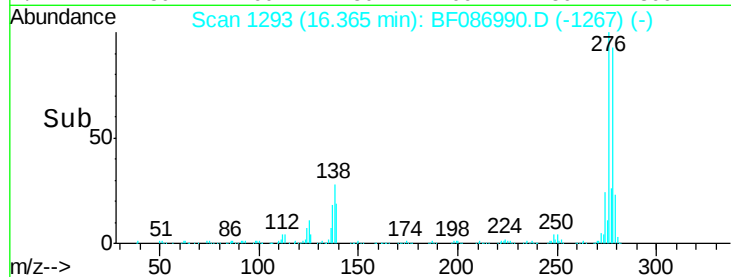
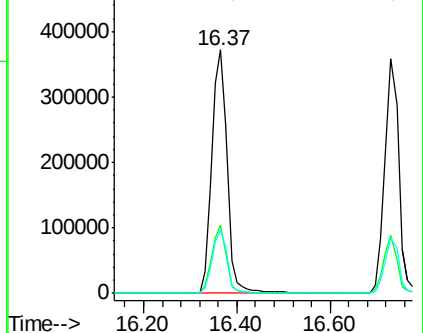
277 25.5 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.11 min Scan# 1183

Delta R.T. -0.01 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

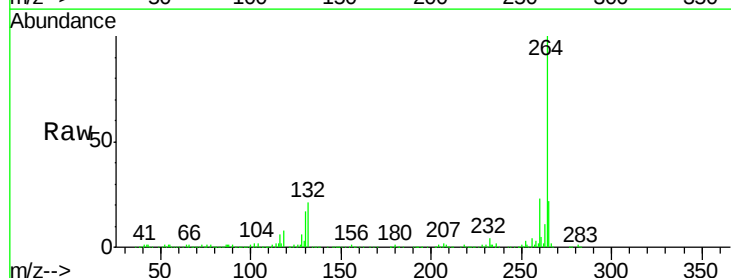
Tgt Ion:264 Resp: 317006

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

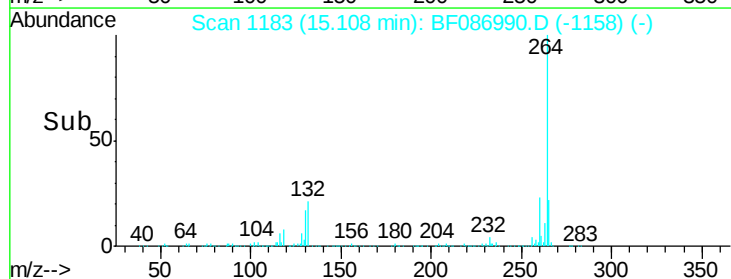
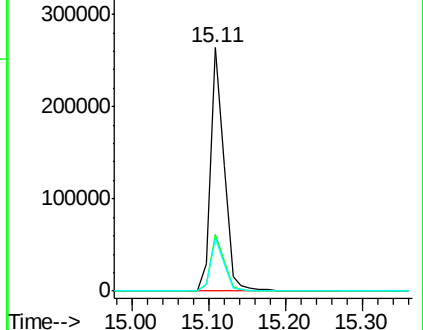
265 21.8 17.3 25.9

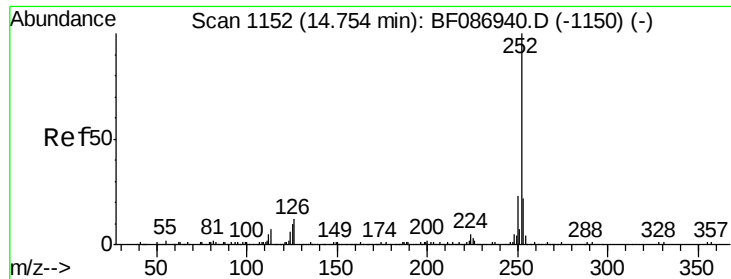


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

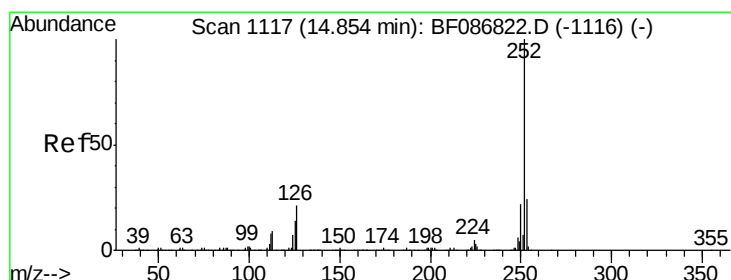
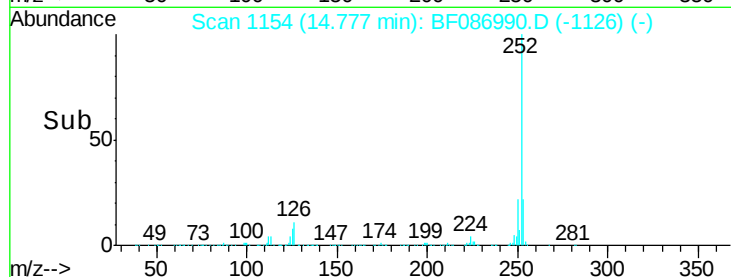
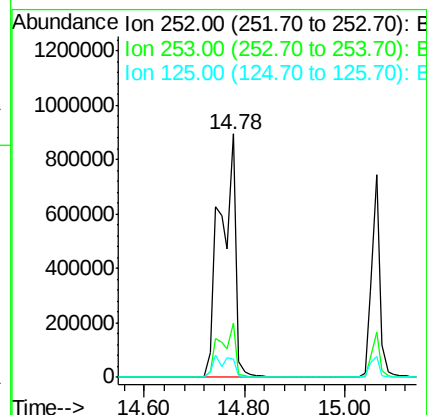
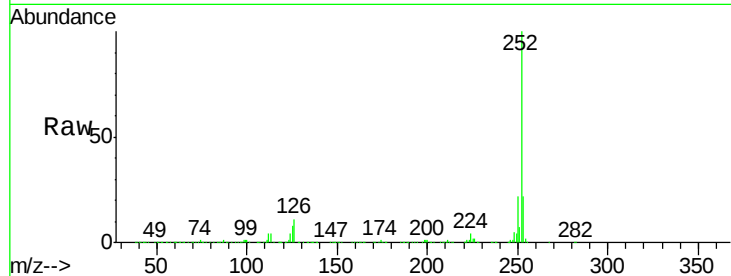




#87
Benzo(b)fluoranthene
Concen: 93.33 ng
RT: 14.78 min Scan# 1154
Delta R.T. 0.02 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

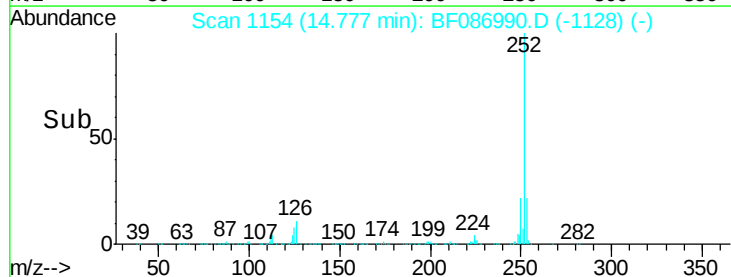
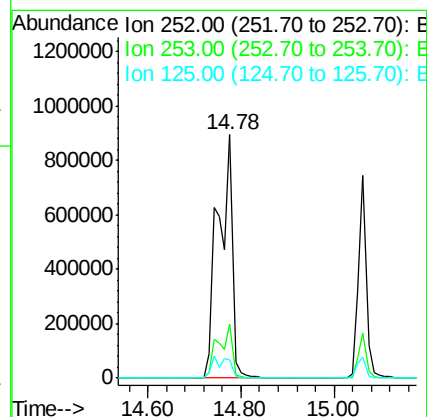
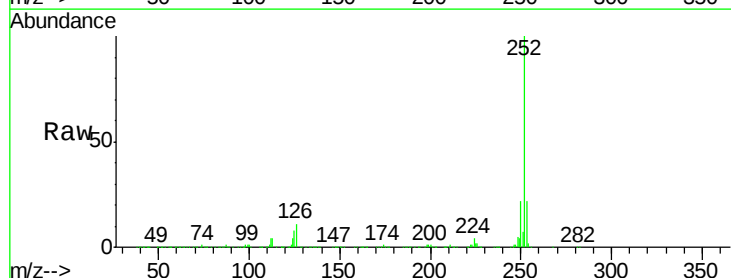
Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

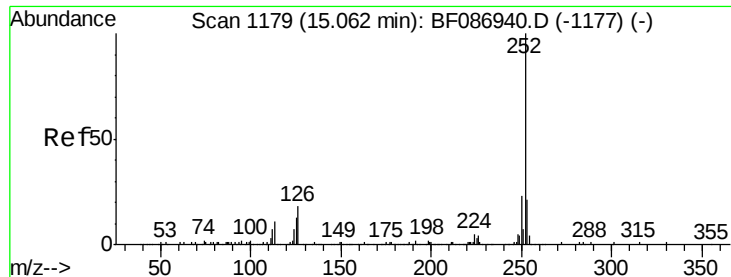
Tgt Ion:252 Resp: 1922735
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 7.6 11.4 17.0#



#88
Benzo(k)fluoranthene
Concen: 114.04 ng
RT: 14.78 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF086990.D
Acq: 14 May 2016 00:46

Tgt Ion:252 Resp: 1923772
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 7.6 9.1 13.7#





#89

Benzo(a)pyrene

Concen: 47.93 ng

RT: 15.06 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

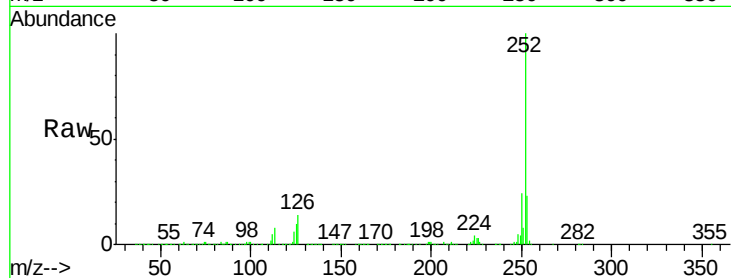
Tgt Ion: 252 Resp: 851658

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

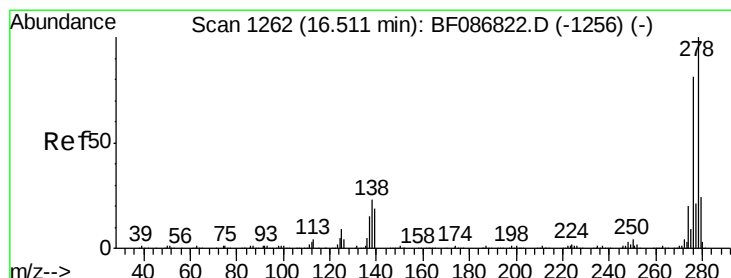
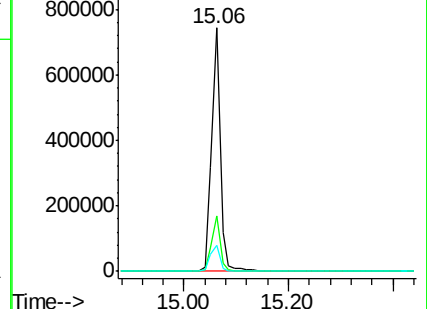
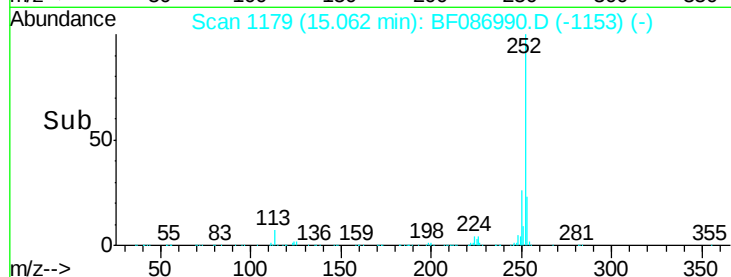
125 10.5 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 48.28 ng

RT: 16.38 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BF086990.D

Acq: 14 May 2016 00:46

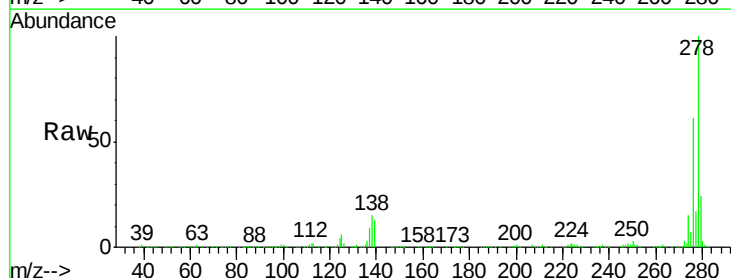
Tgt Ion: 278 Resp: 723126

Ion Ratio Lower Upper

278 100

139 12.8 16.6 24.8#

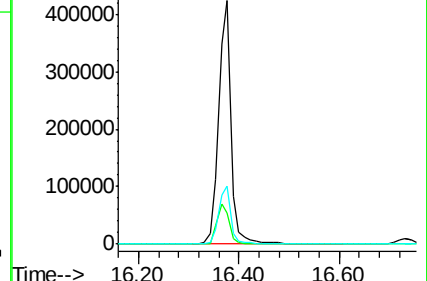
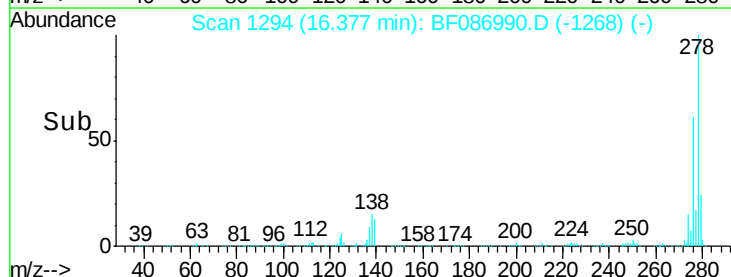
279 24.0 19.6 29.4

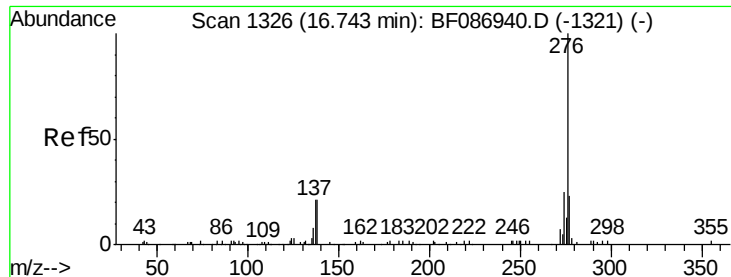


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

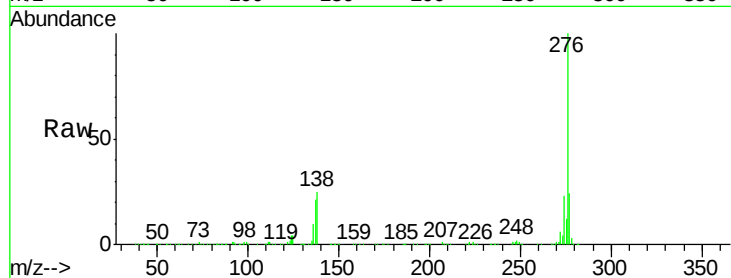




#91
 Benzo(g,h,i)perylene
 Concen: 48.84 ng
 RT: 16.73 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF086990.D
 Acq: 14 May 2016 00:46

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MS

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.6	29.4
138	24.7	23.6	35.4



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

