

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042016\
 Data File : BF086343.D
 Acq On : 21 Apr 2016 7:40
 Operator : UM/SJ
 Sample : H2617-05MSD
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-931WB(N)(19)MSD

Quant Time: Apr 21 08:28:16 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 20 15:45:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	211098	20.00	ng	-0.03
21) Naphthalene-d8	8.16	136	790045	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	282022	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	480014	20.00	ng	-0.02
75) Chrysene-d12	14.03	240	332450	20.00	ng	-0.02
86) Perylene-d12	15.46	264	252402	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1643948	135.87	ng	0.01
7) Phenol-d6	6.51	99	1833861	115.82	ng	-0.01
23) Nitrobenzene-d5	7.44	82	1225355	88.83	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	335761	152.75	ng	-0.02
44) 2-Fluorobiphenyl	9.23	172	1718667	130.30	ng	-0.03
78) Terphenyl-d14	12.98	244	1403018	100.46	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.66	88	261972	39.97	ng	# 82
3) Pyridine	3.36	79	678722	40.45	ng	98
4) n-Nitrosodimethylamine	3.29	42	291740	50.46	ng	# 76
6) Aniline	6.53	93	287718	13.50	ng	# 63
8) 2-Chlorophenol	6.66	128	611741	42.57	ng	85
9) Benzaldehyde	6.42	77	124979	11.14	ng	100
10) Phenol	6.52	94	707432	38.99	ng	94
11) bis(2-Chloroethyl)ether	6.61	93	717241	45.26	ng	96
12) 1,3-Dichlorobenzene	6.81	146	618134	39.20	ng	98
13) 1,4-Dichlorobenzene	6.89	146	664226	39.42	ng	98
14) 1,2-Dichlorobenzene	6.89	146	668657	44.74	ng	97
15) Benzyl Alcohol	7.01	79	447156	45.45	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.15	45	912076	40.90	ng	92
17) 2-Methylphenol	7.13	107	508699	42.35	ng	99
18) Hexachloroethane	7.38	117	112016	22.31	ng	# 88
19) n-Nitroso-di-n-propylamine	7.29	70	406878	42.42	ng	# 86
20) 3+4-Methylphenols	7.29	107	581022	44.59	ng	# 83
22) Acetophenone	7.28	105	813772	49.03	ng	# 93
24) Nitrobenzene	7.46	77	650287	44.06	ng	93
25) Isophorone	7.70	82	1239623	47.43	ng	94
26) 2-Nitrophenol	7.77	139	209377	31.72	ng	# 87
27) 2,4-Dimethylphenol	7.81	122	547293	42.27	ng	98
28) bis(2-Chloroethoxy)methane	7.90	93	774015	50.64	ng	99
29) 2,4-Dichlorophenol	8.02	162	470090	46.04	ng	93
30) 1,2,4-Trichlorobenzene	8.10	180	497390	45.16	ng	98
31) Naphthalene	8.18	128	1731645	45.98	ng	99
32) Benzoic acid	7.93	122	302881	39.37	ng	94
33) 4-Chloroaniline	8.22	127	179774	11.53	ng	97
34) Hexachlorobutadiene	8.29	225	237754	42.83	ng	98
35) Caprolactam	8.59	113	133353	40.33	ng	# 68
36) 4-Chloro-3-methylphenol	8.72	107	486465	42.37	ng	100
37) 2-Methylnaphthalene	8.86	142	1002181	43.09	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.04	216	410993	54.75	ng	# 96
40) Hexachlorocyclopentadiene	9.01	237	17038	10.93	ng	99

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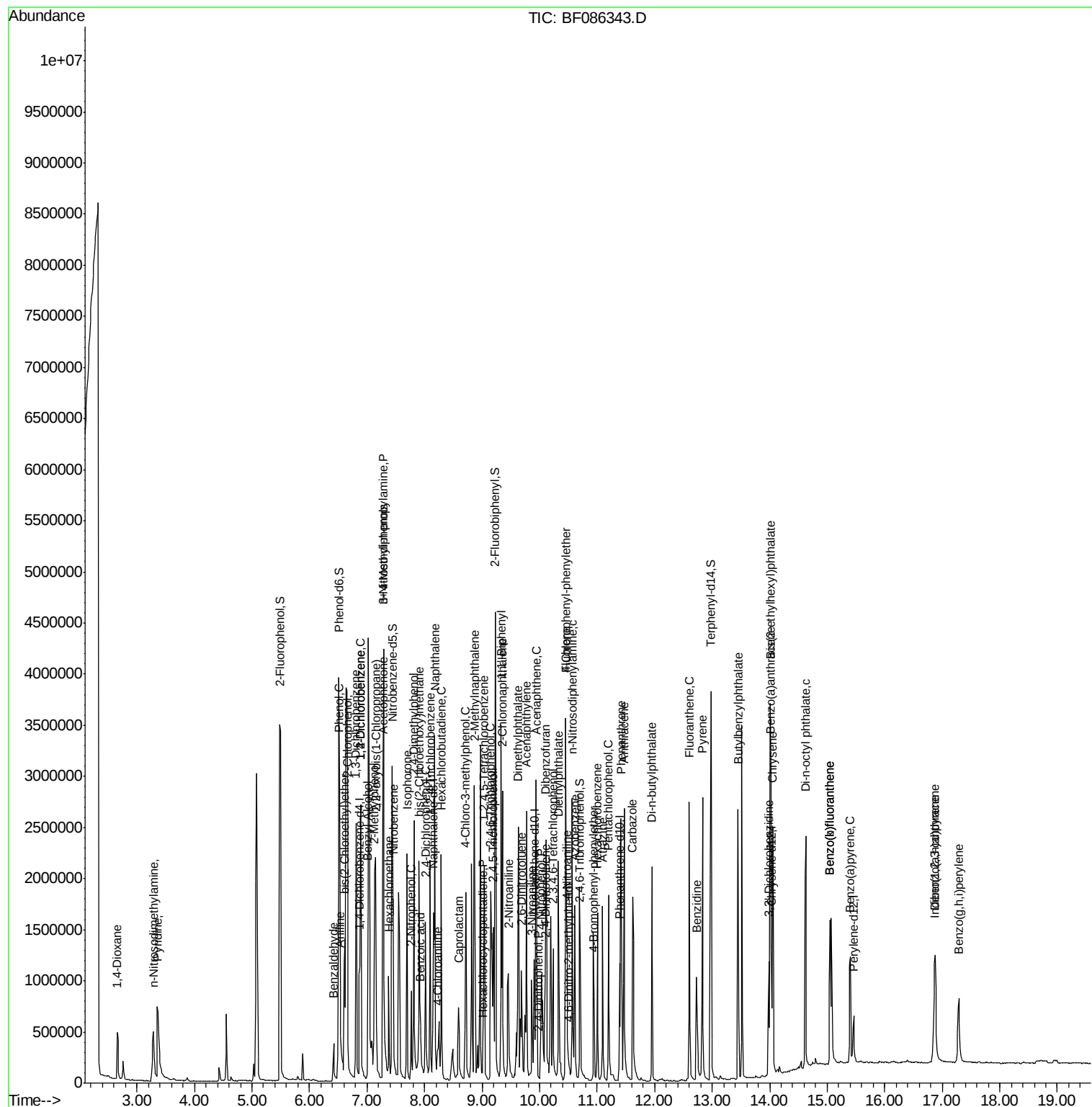
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.15	196	264592	50.81	ng	99
43) 2,4,5-Trichlorophenol	9.20	196	280767	49.50	ng	96
45) 1,1'-Biphenyl	9.33	154	1172679	52.95	ng	98
46) 2-Chloronaphthalene	9.36	162	866617	51.64	ng	98
47) 2-Nitroaniline	9.46	65	324005	56.80	ng	# 63
48) Acenaphthylene	9.77	152	1297980	49.53	ng	99
49) Dimethylphthalate	9.63	163	1069373	49.80	ng	100
50) 2,6-Dinitrotoluene	9.69	165	172129	38.96	ng	# 58
51) Acenaphthene	9.94	154	759461	49.39	ng	99
52) 3-Nitroaniline	9.86	138	248710	44.26	ng	98
53) 2,4-Dinitrophenol	9.97	184	2131	8.76	ng	# 1
54) Dibenzofuran	10.11	168	1116076	53.39	ng	93
55) 4-Nitrophenol	10.03	139	269898	77.47	ng	80
56) 2,4-Dinitrotoluene	10.10	165	195971	35.69	ng	95
57) Fluorene	10.45	166	755194	48.75	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.24	232	211805	55.66	ng	# 89
59) Diethylphthalate	10.33	149	1005114	47.97	ng	98
60) 4-Chlorophenyl-phenylether	10.45	204	367976	51.29	ng	90
61) 4-Nitroaniline	10.48	138	299123	56.87	ng	87
62) Azobenzene	10.61	77	1022204	49.49	ng	89
64) 4,6-Dinitro-2-methylphenol	10.51	198	2357	7.42	ng	# 27
65) n-Nitrosodiphenylamine	10.57	169	735705	46.52	ng	99
66) 4-Bromophenyl-phenylether	10.94	248	234819	45.53	ng	# 90
67) Hexachlorobenzene	11.00	284	228080	44.06	ng	98
68) Atrazine	11.09	200	180358	37.10	ng	99
69) Pentachlorophenol	11.20	266	251384	92.70	ng	96
70) Phenanthrene	11.41	178	1133121	49.81	ng	99
71) Anthracene	11.47	178	1254554	51.50	ng	97
72) Carbazole	11.62	167	1194086	51.80	ng	99
73) Di-n-butylphthalate	11.95	149	1453583	48.97	ng	100
74) Fluoranthene	12.60	202	1210093	57.38	ng	99
76) Benzidine	12.73	184	602057	41.02	ng	95
77) Pyrene	12.83	202	1186646	48.12	ng	99
79) Butylbenzylphthalate	13.45	149	628602	48.29	ng	# 82
80) Benzo(a)anthracene	14.02	228	824878	47.10	ng	99
81) 3,3'-Dichlorobenzidine	13.99	252	328430	27.11	ng	# 96
82) Chrysene	14.05	228	909368	48.04	ng	98
83) Bis(2-ethylhexyl)phthalate	14.01	149	781515	51.26	ng	# 98
84) Di-n-octyl phthalate	14.63	149	1512606	55.05	ng	97
85) Indeno(1,2,3-cd)pyrene	16.87	276	717564	36.87	ng	97
87) Benzo(b)fluoranthene	15.05	252	1457289	99.82	ng	99
88) Benzo(k)fluoranthene	15.05	252	1457732	118.61	ng	# 98
89) Benzo(a)pyrene	15.40	252	679849	50.53	ng	96
90) Dibenzo(a,h)anthracene	16.88	278	607691	51.74	ng	97
91) Benzo(g,h,i)perylene	17.29	276	598457	53.14	ng	99

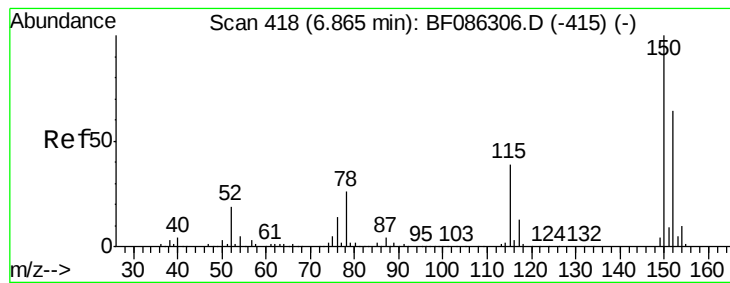
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.03 min

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Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

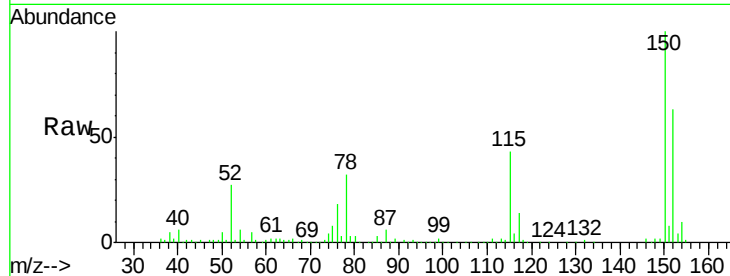
Tgt Ion: 152 Resp: 211098

Ion Ratio Lower Upper

152 100

150 159.0 124.1 186.1

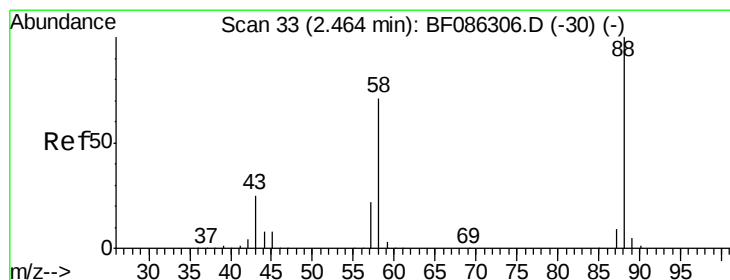
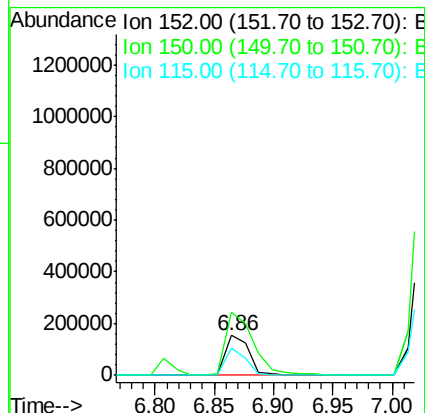
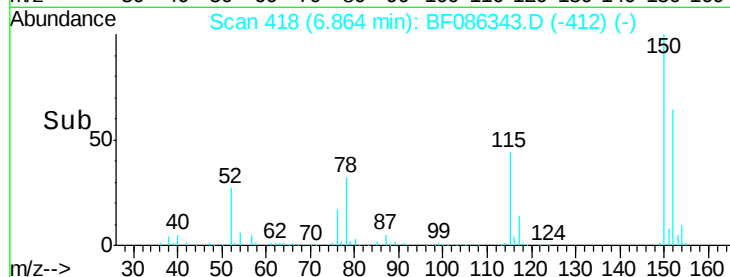
115 68.7 43.9 65.9#



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: 39.97 ng

RT: 2.66 min Scan# 50

Delta R.T. 0.15 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

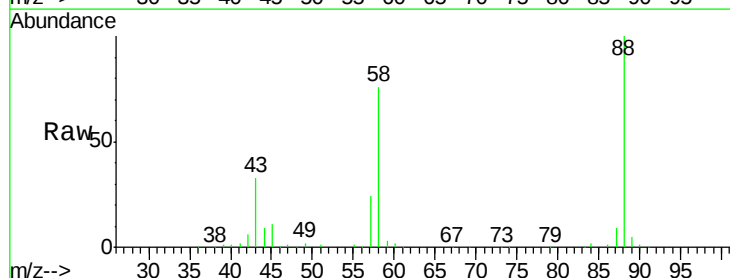
Tgt Ion: 88 Resp: 261972

Ion Ratio Lower Upper

88 100

58 70.7 58.4 87.6

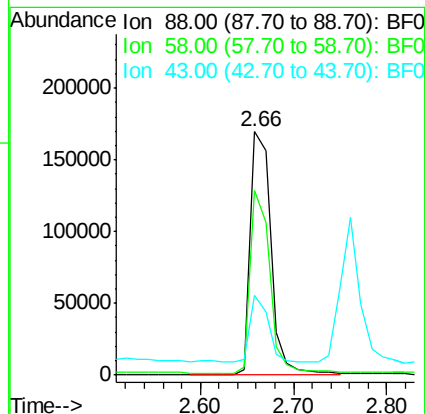
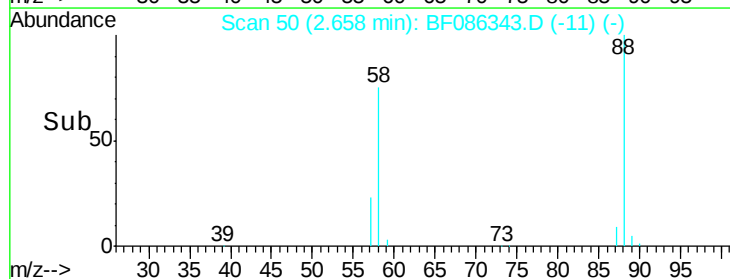
43 0.0 23.3 34.9#

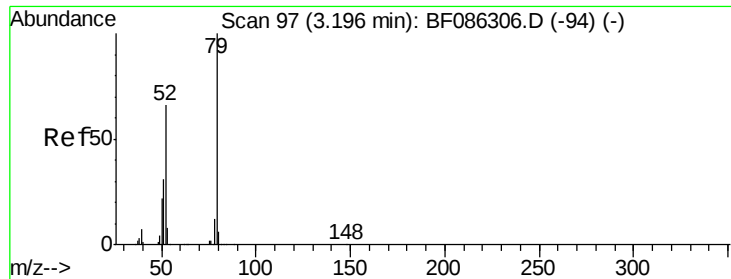


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 40.45 ng

RT: 3.36 min Scan# 111

Delta R.T. 0.10 min

Lab File: BF086343.D

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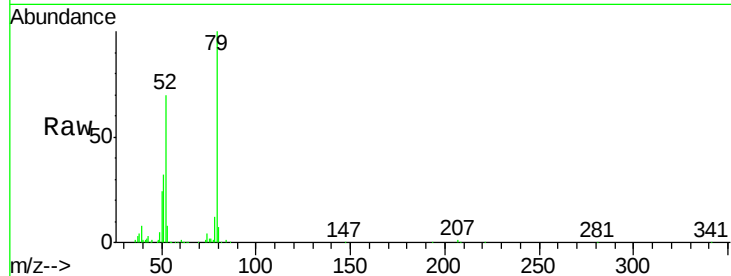
Tgt Ion: 79 Resp: 678722

Ion Ratio Lower Upper

79 100

52 70.0 55.4 83.2

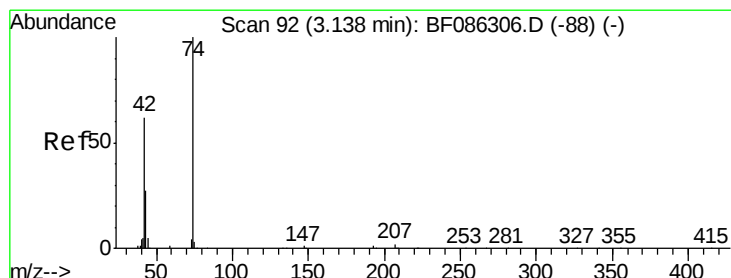
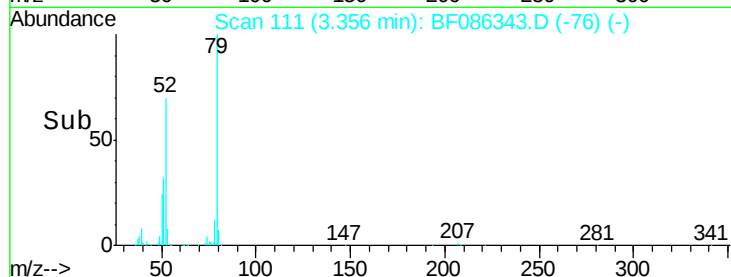
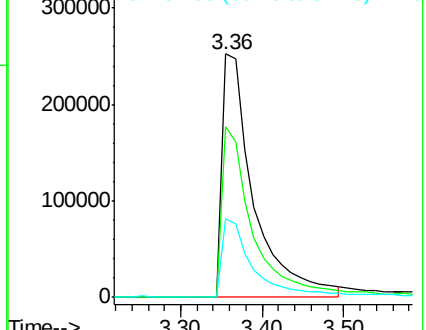
51 32.1 28.1 42.1



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 50.46 ng

RT: 3.29 min Scan# 105

Delta R.T. 0.09 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

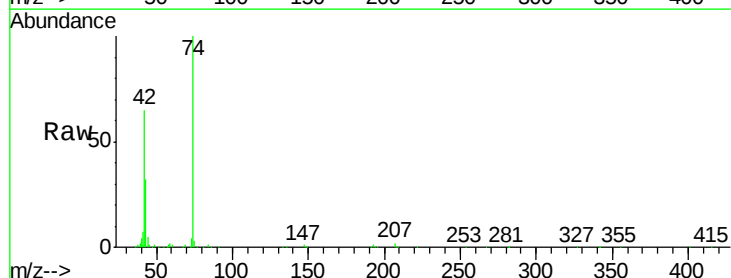
Tgt Ion: 42 Resp: 291740

Ion Ratio Lower Upper

42 100

74 154.3 100.5 150.7#

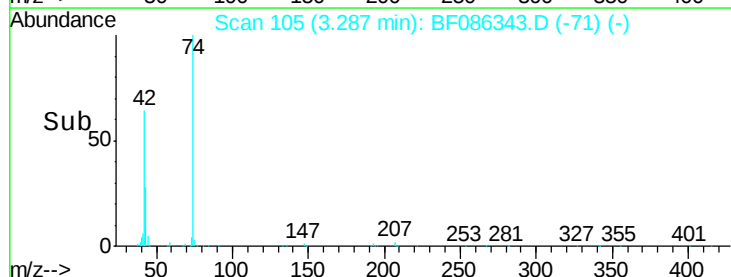
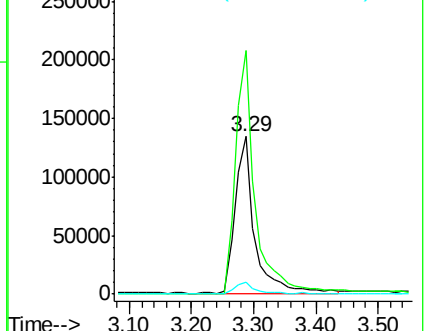
44 7.7 5.4 8.0

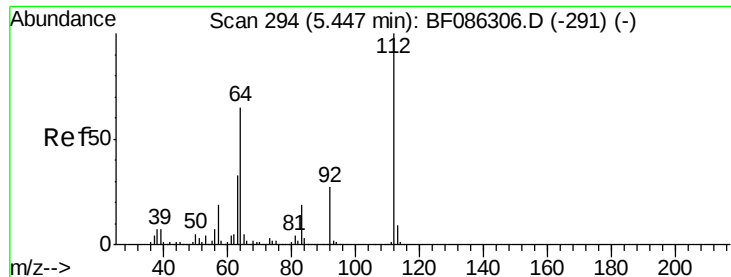


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 135.87 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.01 min

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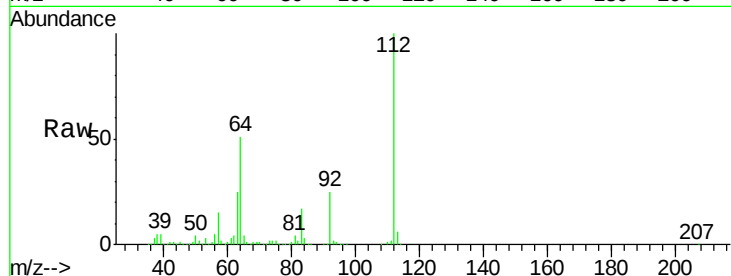
Tgt Ion:112 Resp: 1643948

Ion Ratio Lower Upper

112 100

64 50.7 48.1 72.1

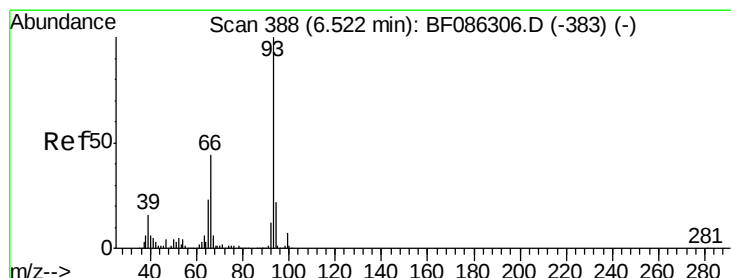
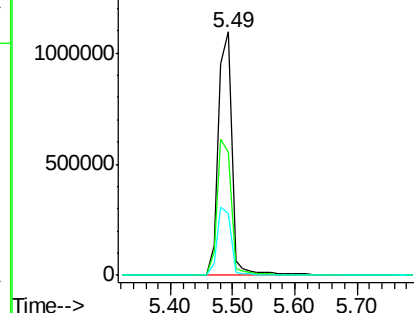
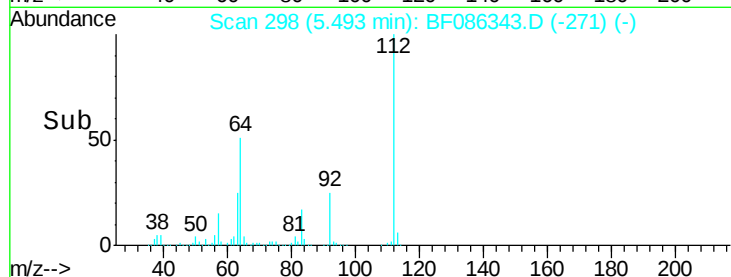
63 25.3 25.5 38.3#



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: 13.50 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

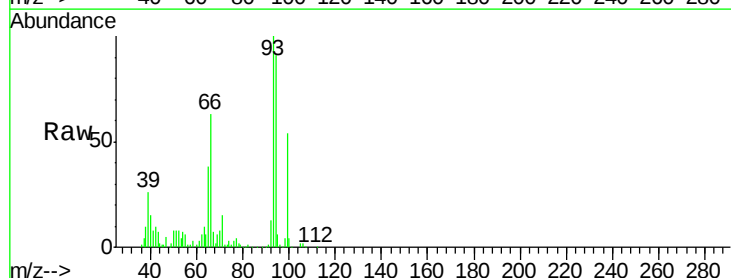
Tgt Ion: 93 Resp: 287718

Ion Ratio Lower Upper

93 100

66 62.6 32.2 48.2#

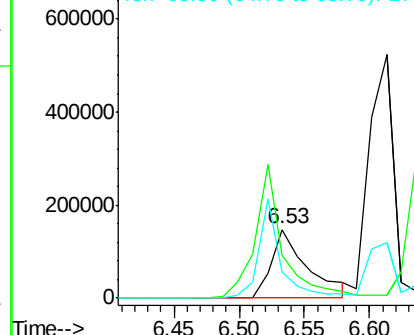
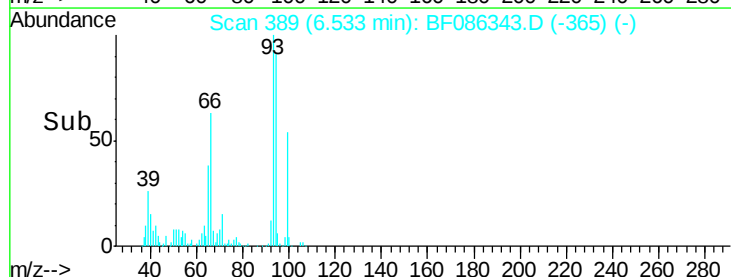
65 38.4 16.4 24.6#

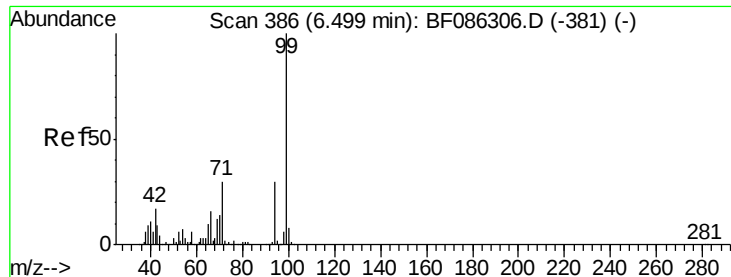


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 115.82 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

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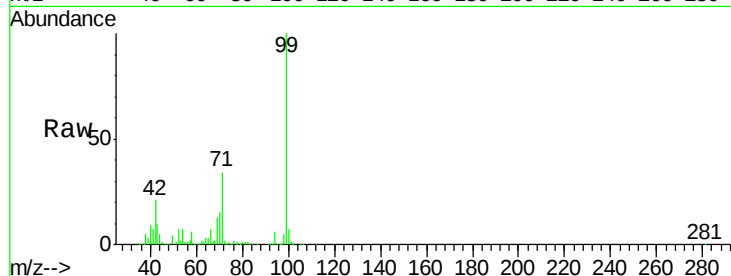
Tgt Ion: 99 Resp: 1833861

Ion Ratio Lower Upper

99 100

42 20.6 15.4 23.2

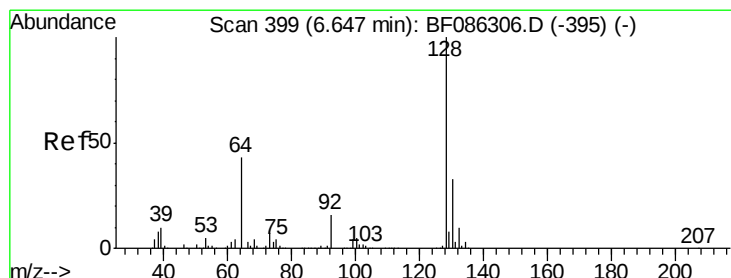
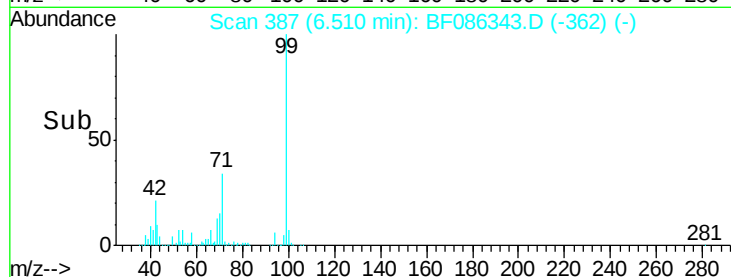
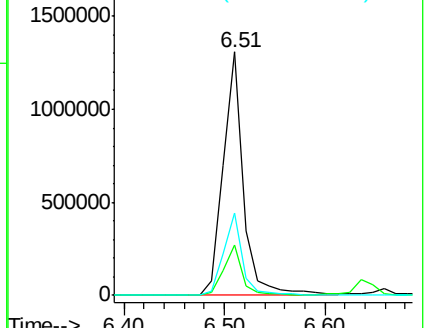
71 33.8 25.6 38.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 42.57 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.01 min

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Acq: 21 Apr 2016 7:40

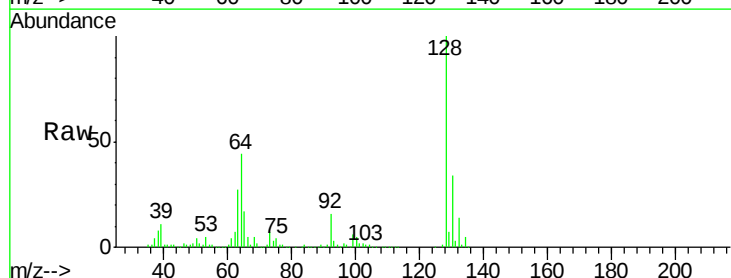
Tgt Ion: 128 Resp: 611741

Ion Ratio Lower Upper

128 100

130 33.6 11.8 51.8

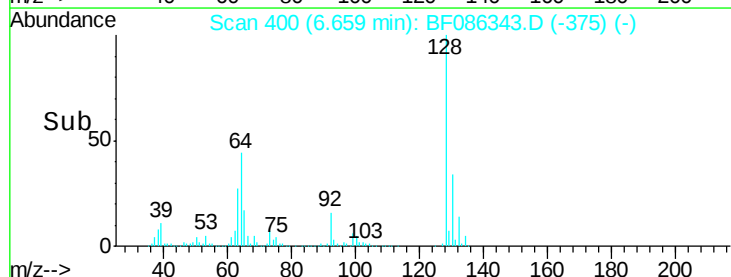
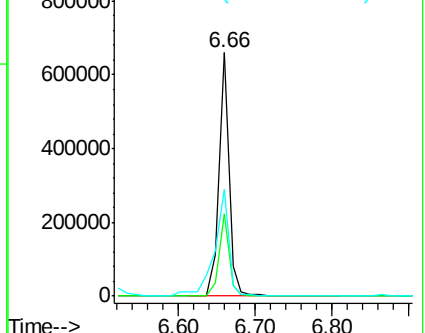
64 43.9 39.5 79.5

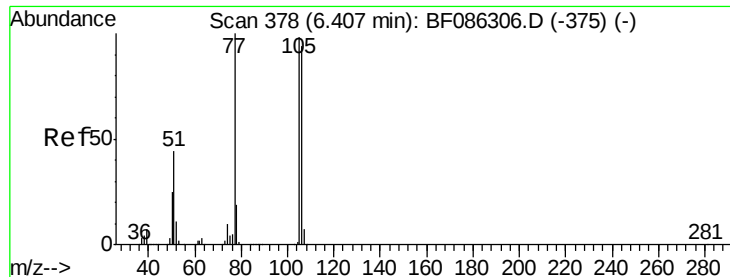


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 11.14 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.02 min

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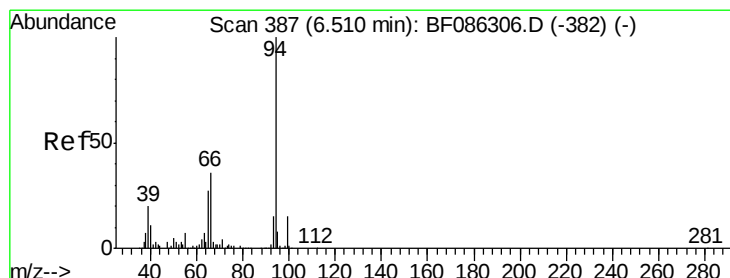
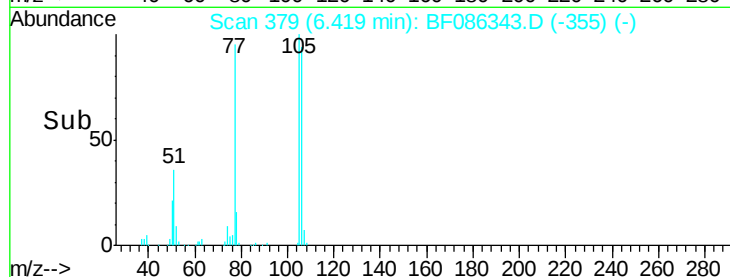
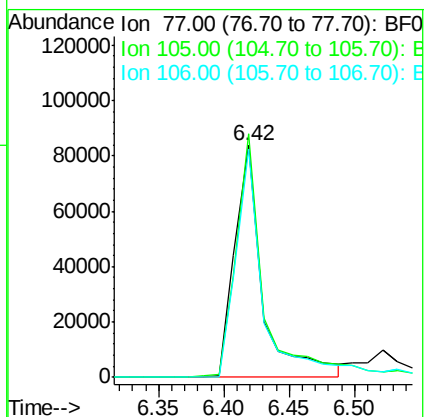
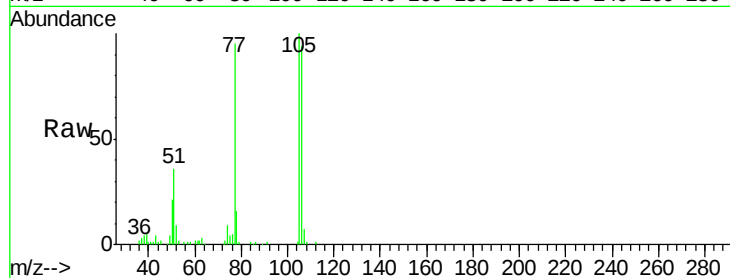
Tgt Ion: 77 Resp: 124979

Ion Ratio Lower Upper

77 100

105 105.2 84.6 124.6

106 98.7 78.6 118.6



#10

Phenol

Concen: 38.99 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

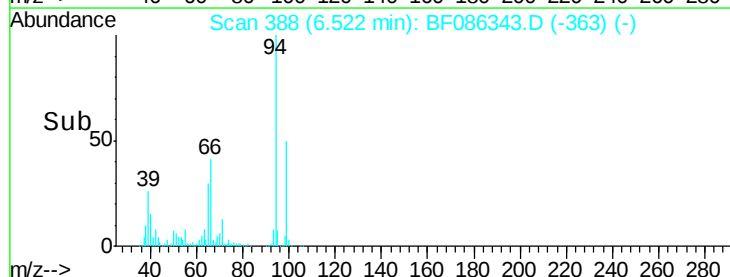
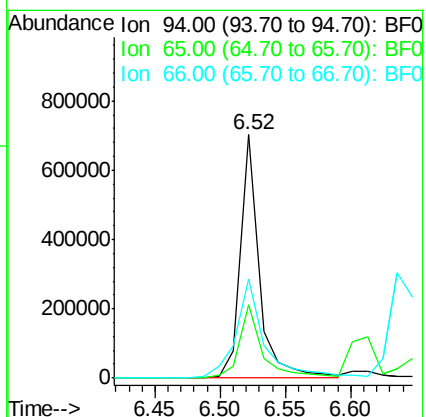
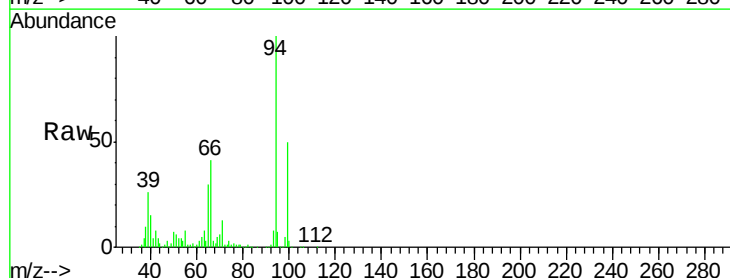
Tgt Ion: 94 Resp: 707432

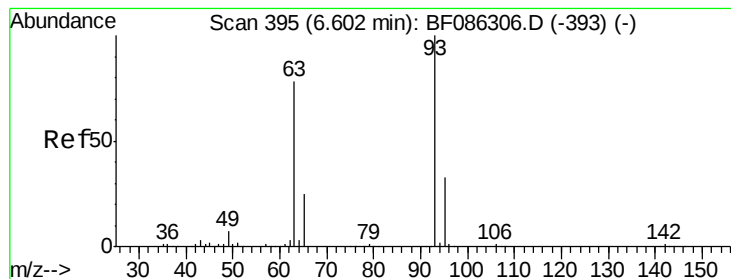
Ion Ratio Lower Upper

94 100

65 30.2 7.9 47.9

66 40.9 16.5 56.5





#11

bis(2-Chloroethyl)ether

Concen: 45.26 ng

RT: 6.61 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

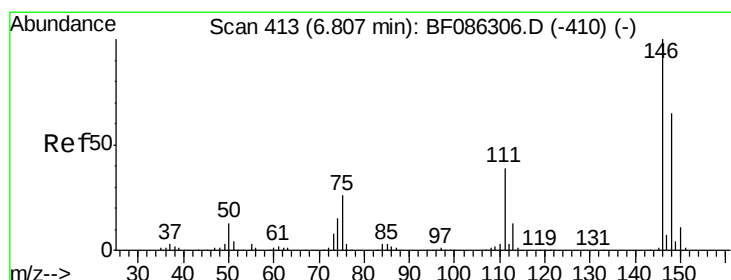
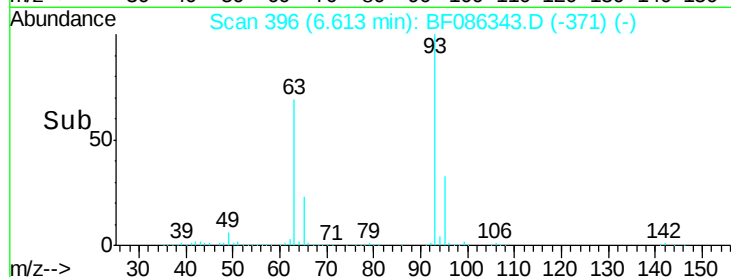
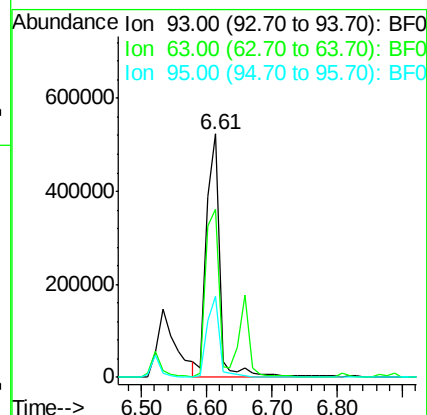
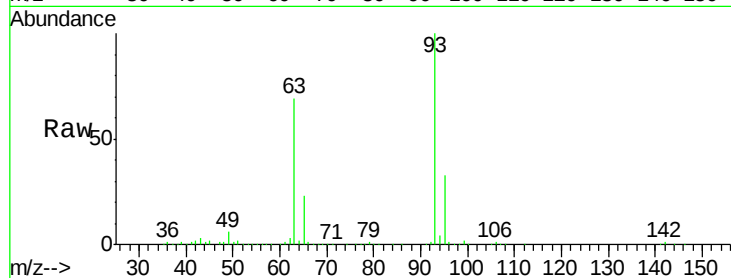
Tgt Ion: 93 Resp: 717241

Ion Ratio Lower Upper

93 100

63 68.8 44.4 84.4

95 33.2 13.1 53.1



#12

1,3-Dichlorobenzene

Concen: 39.20 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

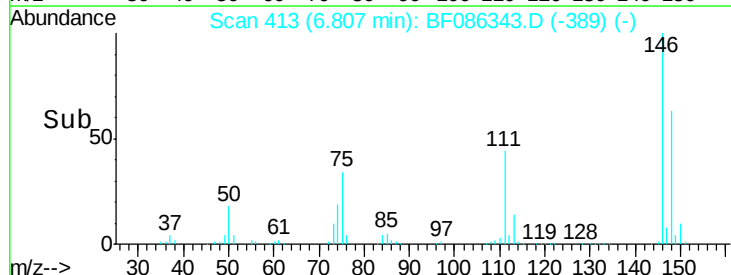
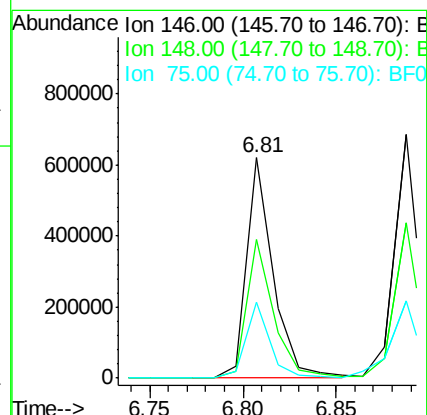
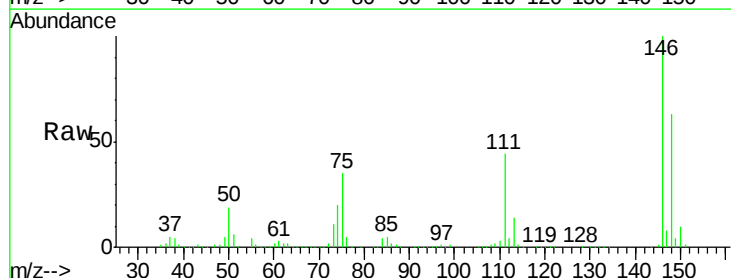
Tgt Ion: 146 Resp: 618134

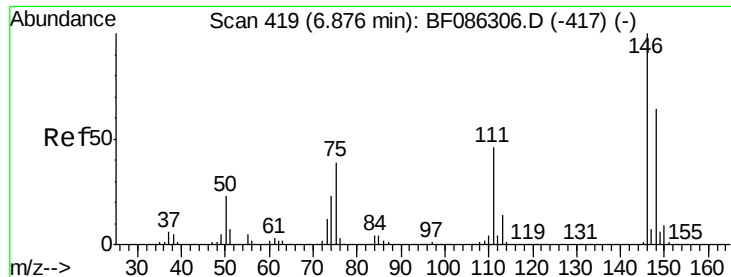
Ion Ratio Lower Upper

146 100

148 63.1 51.0 76.4

75 34.6 29.9 44.9

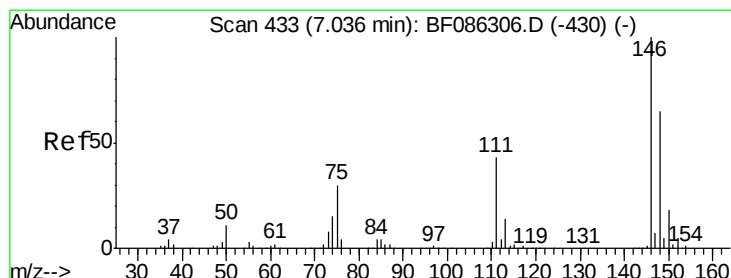
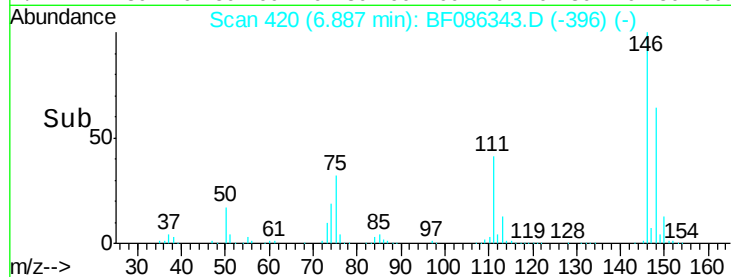
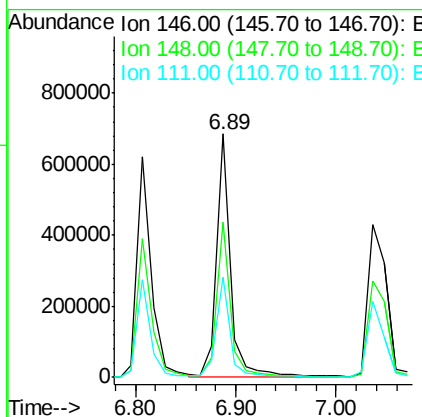
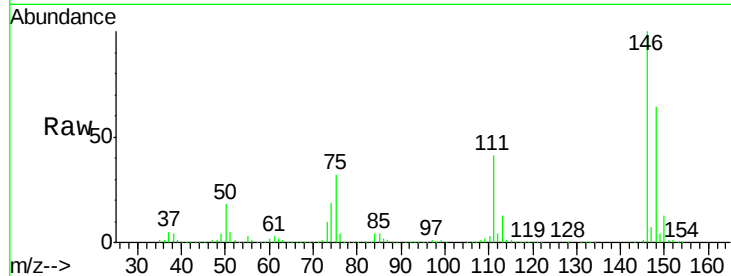




#13
 1,4-Dichlorobenzene
 Concen: 39.42 ng
 RT: 6.89 min Scan# 420
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

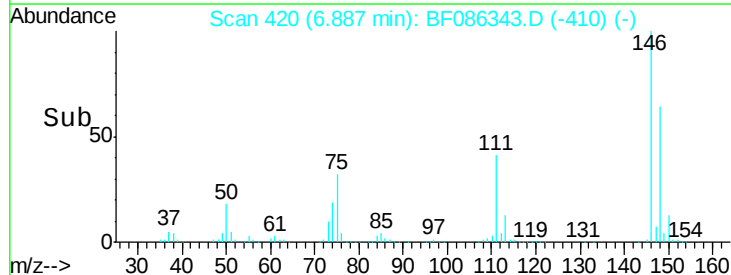
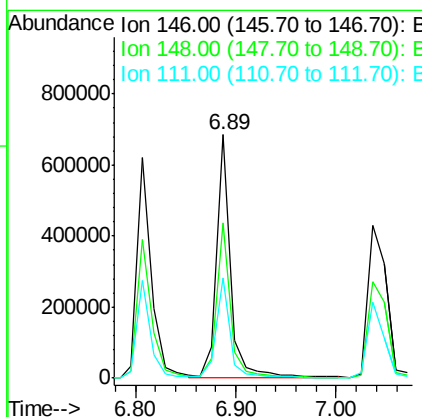
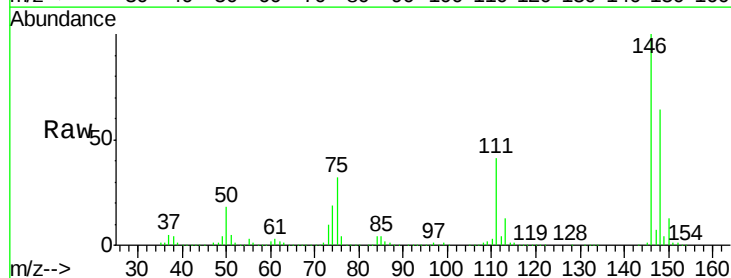
Instrument :
 BNA_F
 ClientSampleId :
 B-931WB(N)(19)MSD

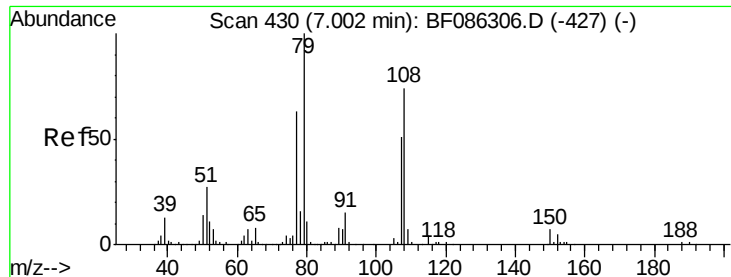
Tgt Ion:146 Resp: 664226
 Ion Ratio Lower Upper
 146 100
 148 64.0 51.8 77.6
 111 41.4 34.9 52.3



#14
 1,2-Dichlorobenzene
 Concen: 44.74 ng
 RT: 6.89 min Scan# 420
 Delta R.T. -0.18 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Tgt Ion:146 Resp: 668657
 Ion Ratio Lower Upper
 146 100
 148 64.0 52.2 78.2
 111 41.4 31.0 46.4





#15

Benzyl Alcohol

Concen: 45.45 ng

RT: 7.01 min Scan# 431

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

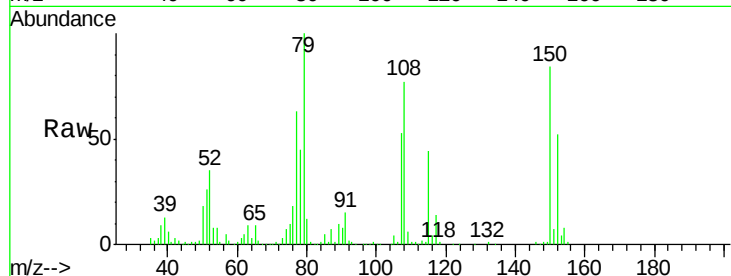
Tgt Ion: 79 Resp: 447156

Ion Ratio Lower Upper

79 100

108 77.4 64.8 97.2

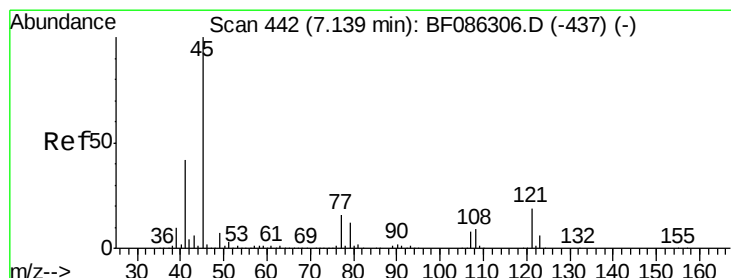
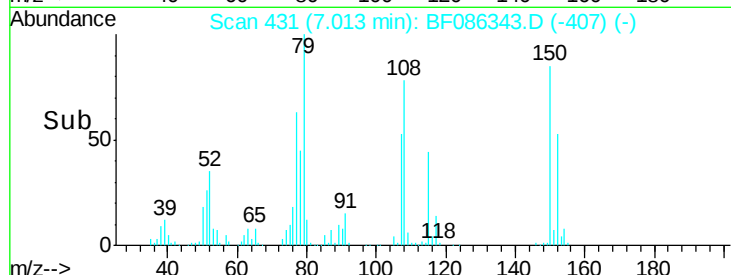
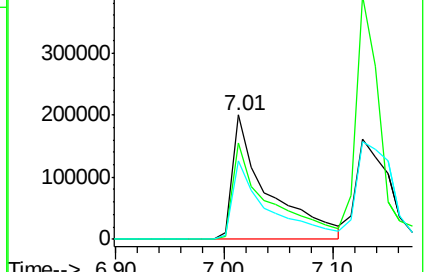
77 63.3 51.9 77.9



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: 40.90 ng

RT: 7.15 min Scan# 443

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

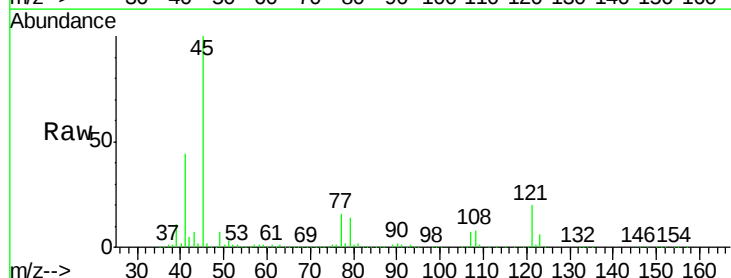
Tgt Ion: 45 Resp: 912076

Ion Ratio Lower Upper

45 100

77 16.3 0.0 33.7

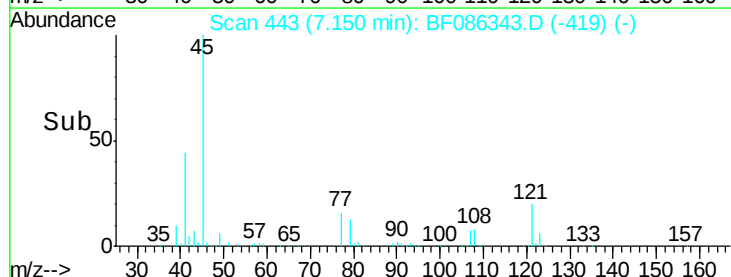
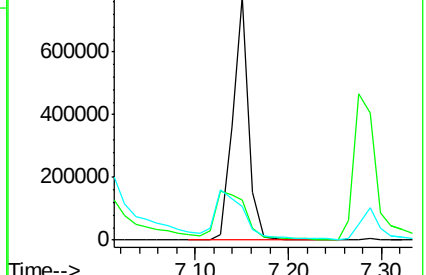
79 13.7 0.0 30.1

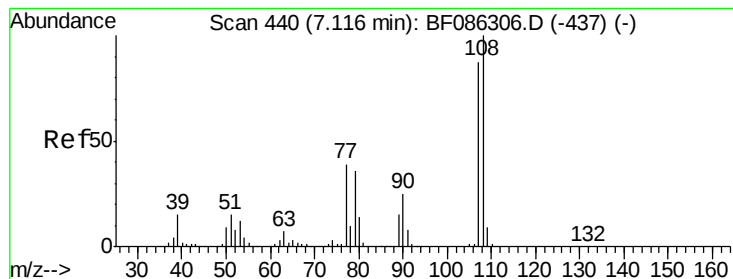


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

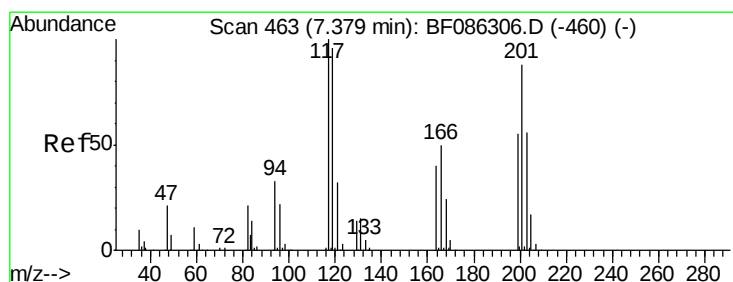
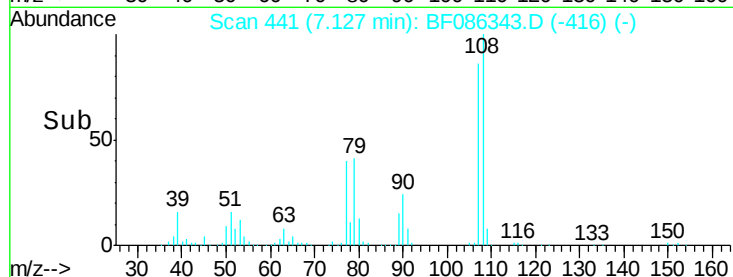
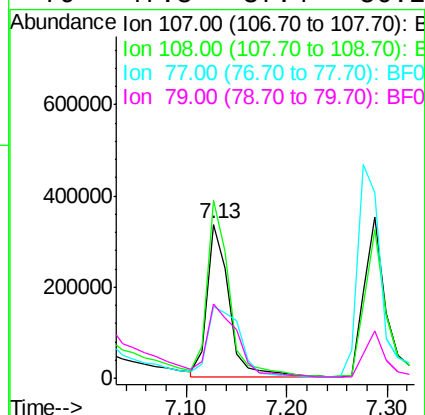
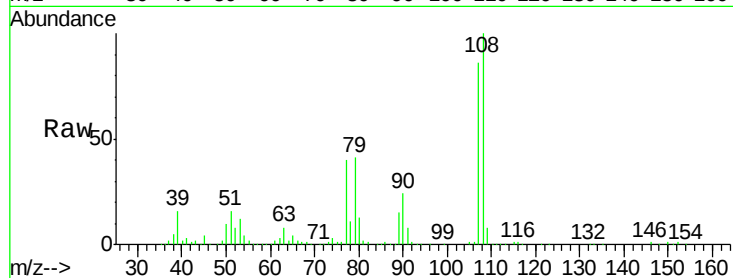




#17
2-Methylphenol
Concen: 42.35 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.01 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

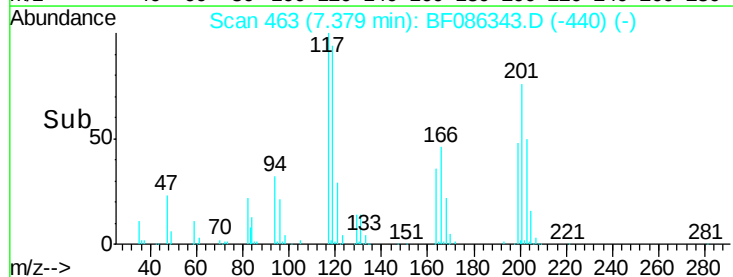
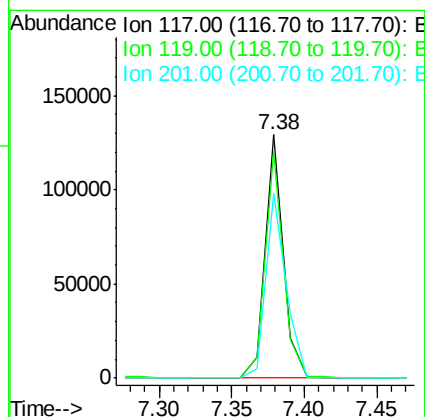
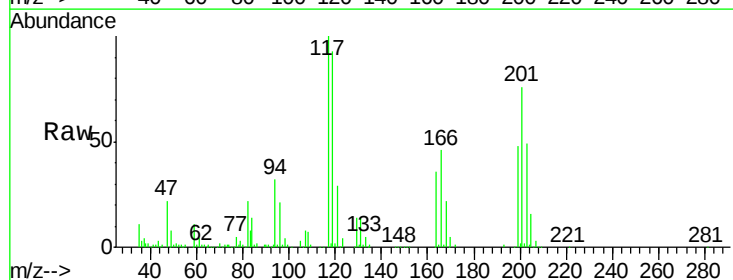
Instrument :
BNA_F
ClientSampleId :
B-931WB(N)(19)MSD

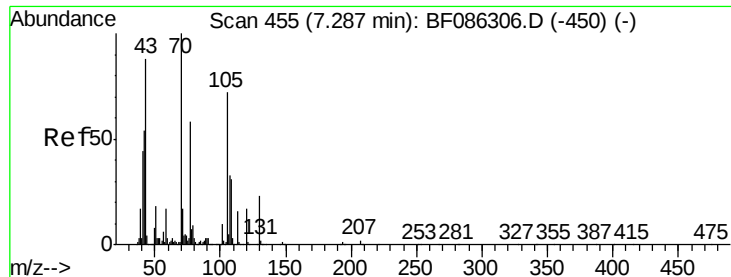
Tgt Ion:107 Resp: 508699
Ion Ratio Lower Upper
107 100
108 115.8 92.7 139.1
77 46.5 39.6 59.4
79 47.8 37.4 56.2



#18
Hexachloroethane
Concen: 22.31 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.03 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tgt Ion:117 Resp: 112016
Ion Ratio Lower Upper
117 100
119 93.1 78.2 117.4
201 75.6 75.7 113.5#

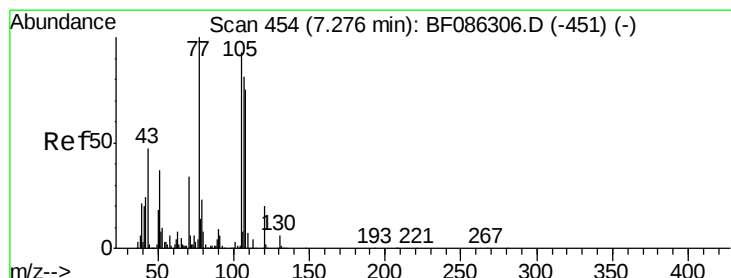
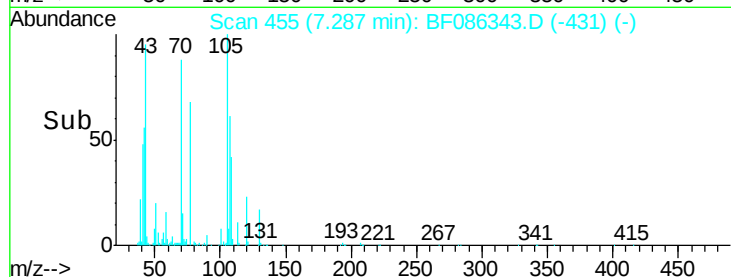
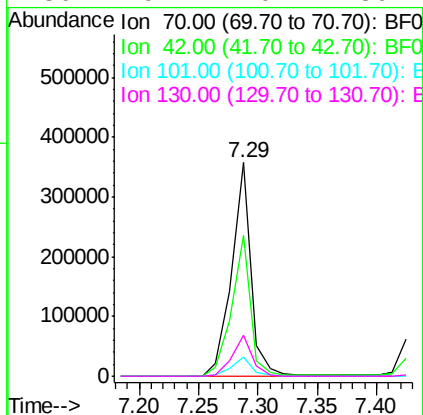
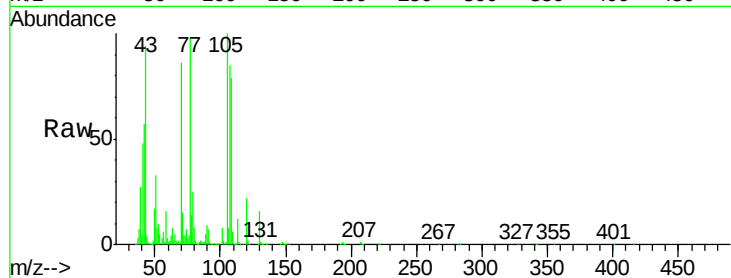




#19
n-Nitroso-di-n-propylamine
Concen: 42.42 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.02 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

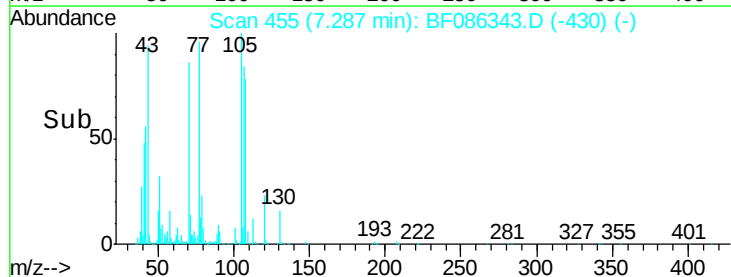
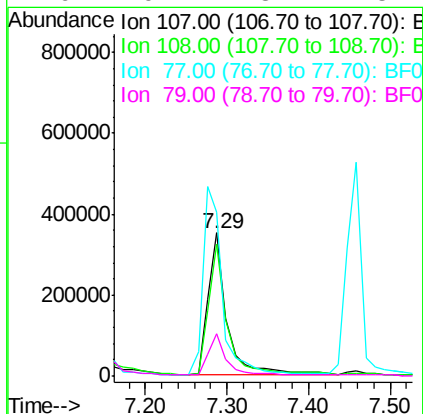
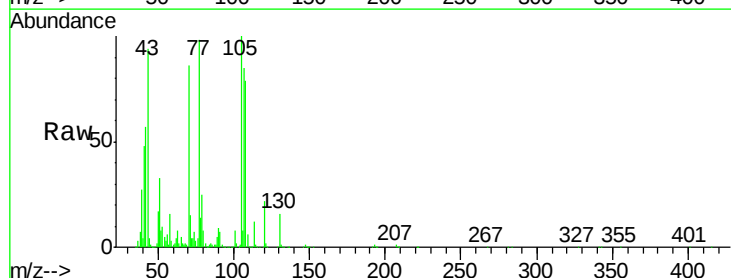
Instrument :
BNA_F
ClientSampleId :
B-931WB(N)(19)MSD

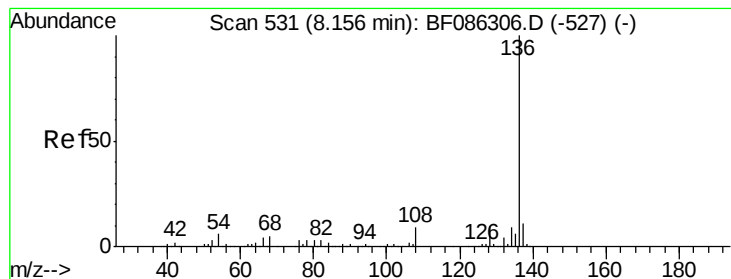
Tgt Ion: 70 Resp: 406878
Ion Ratio Lower Upper
70 100
42 65.7 43.0 64.4#
101 9.0 8.1 12.1
130 19.1 20.1 30.1#



#20
3+4-Methylphenols
Concen: 44.59 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tgt Ion: 107 Resp: 581022
Ion Ratio Lower Upper
107 100
108 92.5 69.7 109.7
77 114.8 60.5 100.5#
79 29.4 8.1 48.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

Tgt Ion:136 Resp: 790045

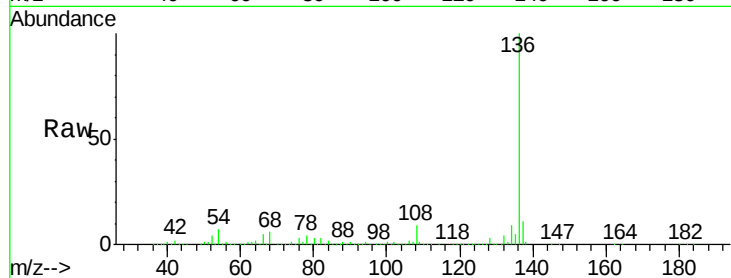
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.4 7.3 10.9

68 6.3 5.7 8.5

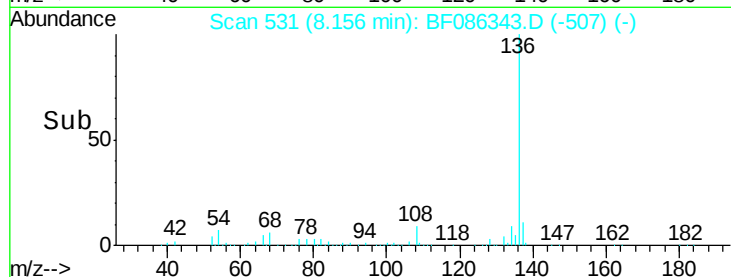


Abundance Ion 136.00 (135.70 to 136.70): E

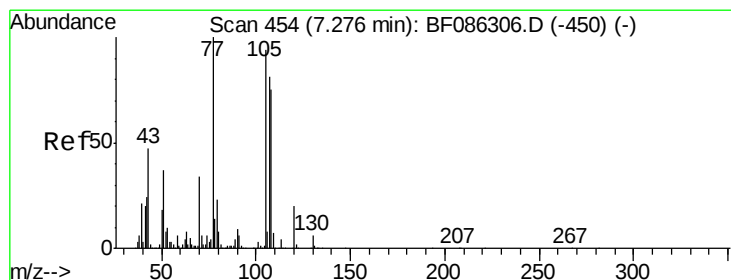
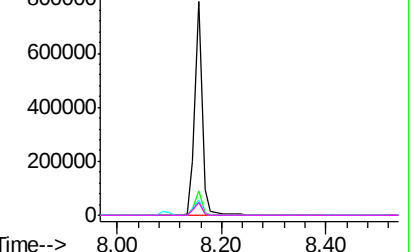
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 49.03 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Tgt Ion:105 Resp: 813772

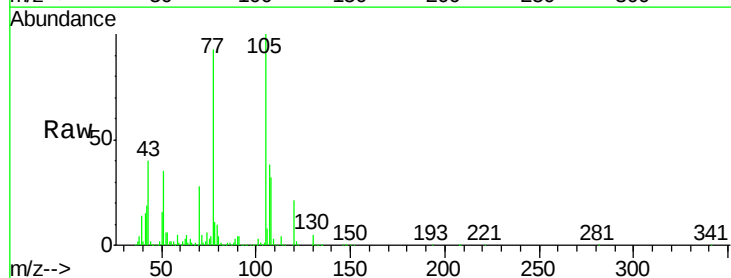
Ion Ratio Lower Upper

105 100

71 5.0 4.0 6.0

51 34.5 22.0 33.0#

120 21.5 17.5 26.3

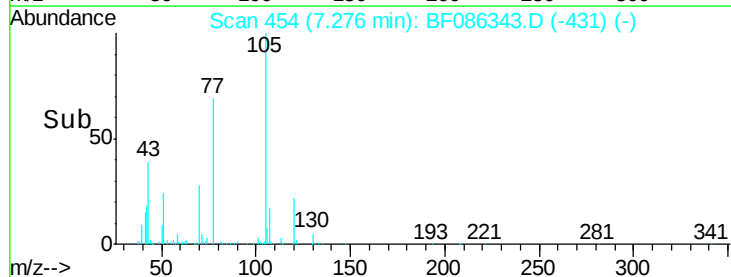


Abundance Ion 105.00 (104.70 to 105.70): E

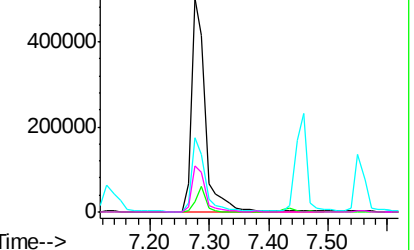
Ion 71.00 (70.70 to 71.70): BF0

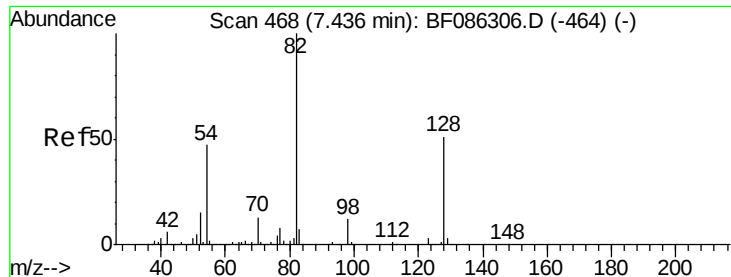
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->

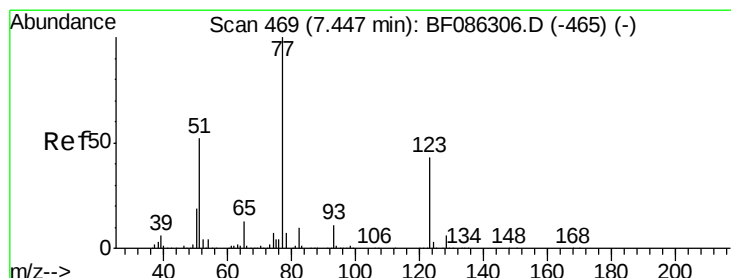
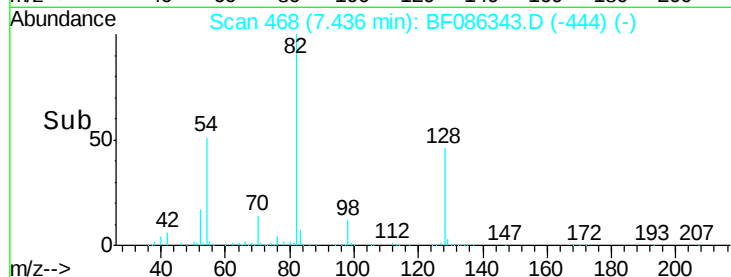
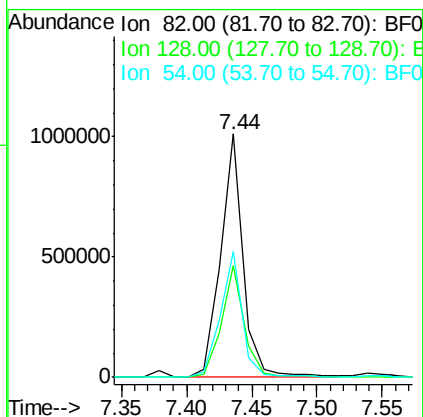
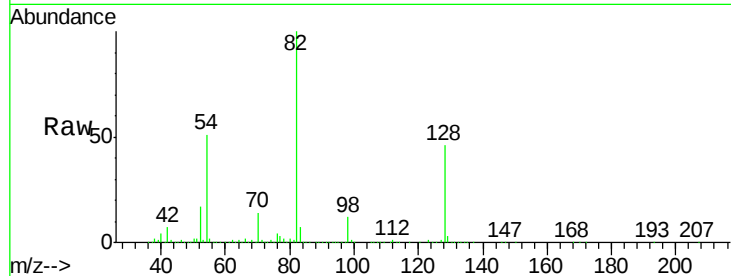




#23
 Nitrobenzene-d5
 Concen: 88.83 ng
 RT: 7.44 min Scan# 468
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

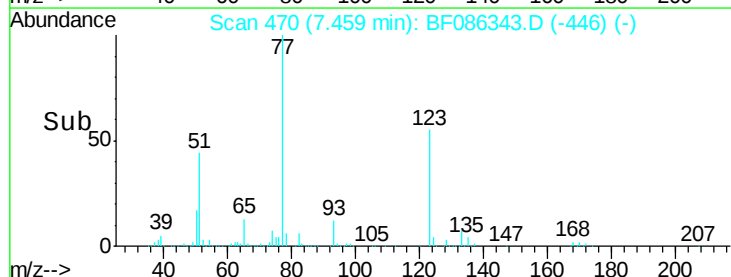
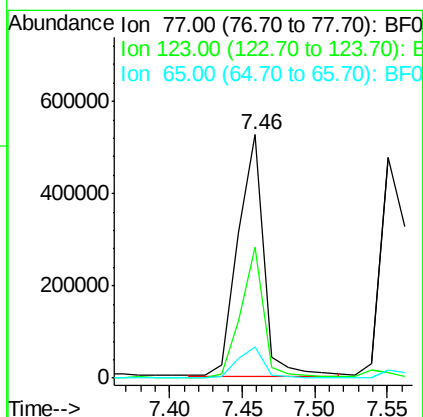
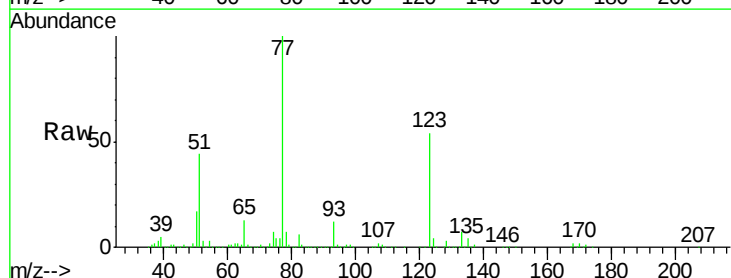
Instrument :
 BNA_F
 ClientSampleId :
 B-931WB(N)(19)MSD

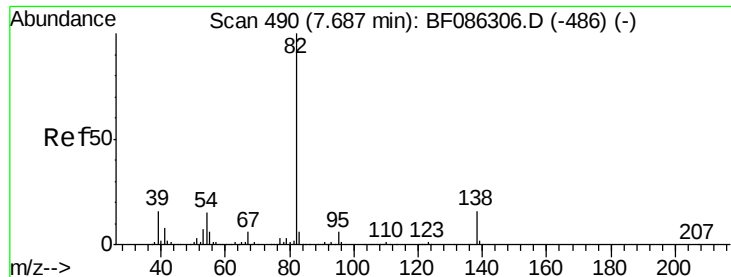
Tgt Ion: 82 Resp: 1225355
 Ion Ratio Lower Upper
 82 100
 128 45.8 35.4 53.2
 54 51.5 43.4 65.0



#24
 Nitrobenzene
 Concen: 44.06 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Tgt Ion: 77 Resp: 650287
 Ion Ratio Lower Upper
 77 100
 123 53.7 38.3 57.5
 65 12.8 11.3 16.9





#25

Isophorone

Concen: 47.43 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

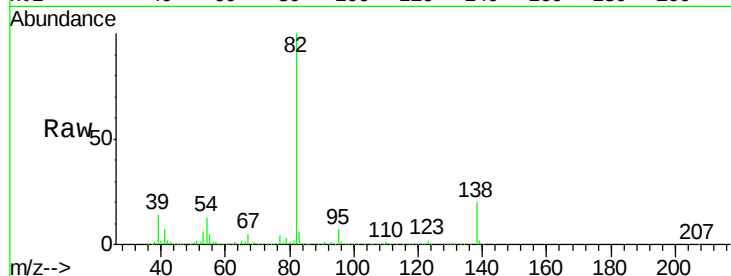
Tgt Ion: 82 Resp: 1239623

Ion Ratio Lower Upper

82 100

95 6.9 5.4 8.2

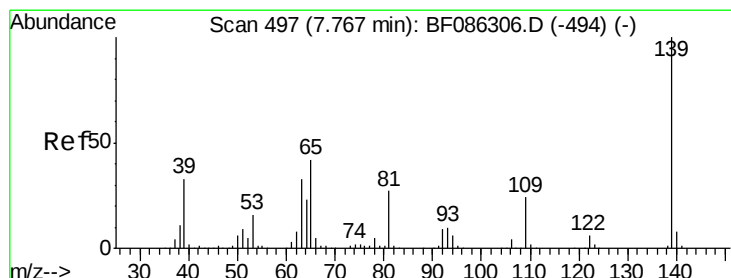
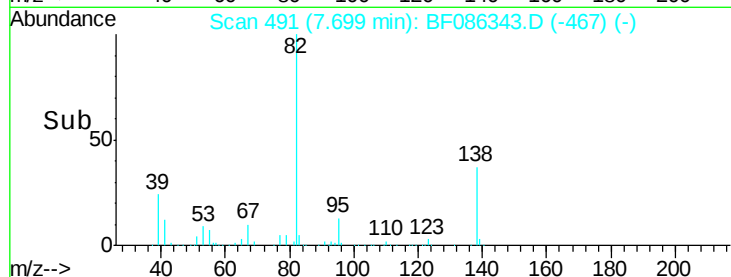
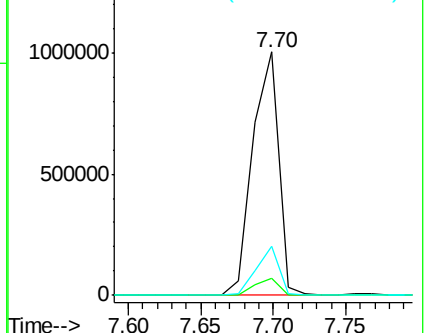
138 20.1 13.4 20.2



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): E



#26

2-Nitrophenol

Concen: 31.72 ng

RT: 7.77 min Scan# 497

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

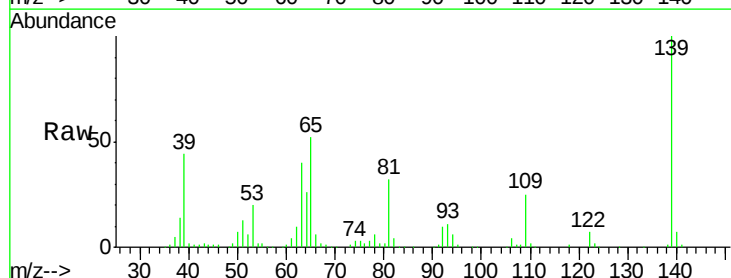
Tgt Ion: 139 Resp: 209377

Ion Ratio Lower Upper

139 100

109 25.1 25.8 38.8#

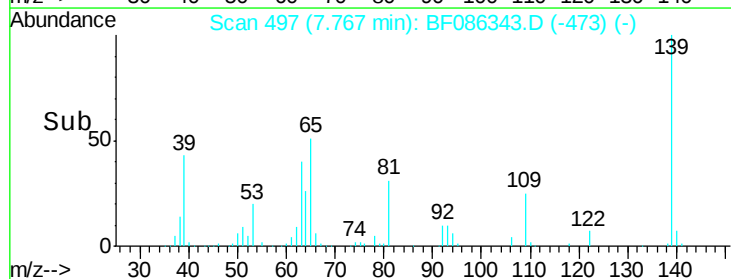
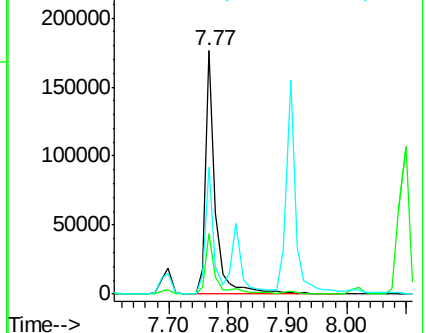
65 52.1 50.2 75.2

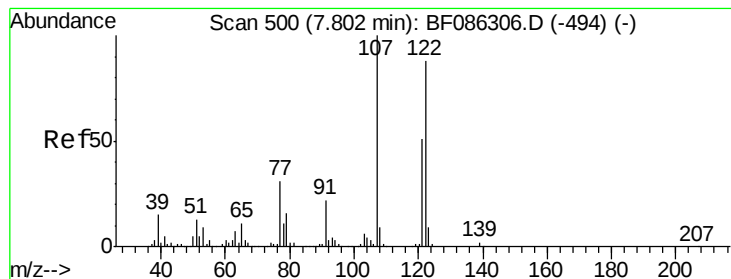


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 42.27 ng

RT: 7.81 min Scan# 501

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

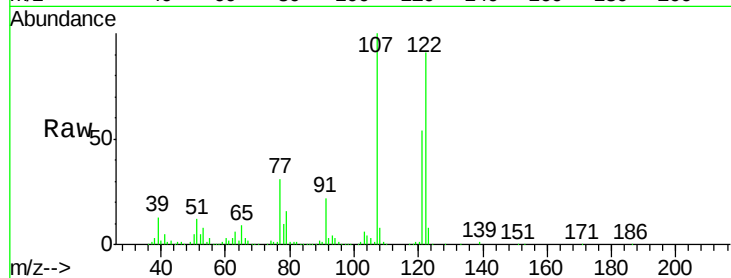
Tgt Ion:122 Resp: 547293

Ion Ratio Lower Upper

122 100

107 110.1 85.8 128.6

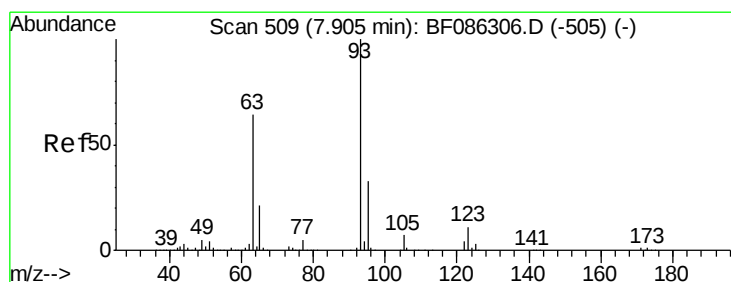
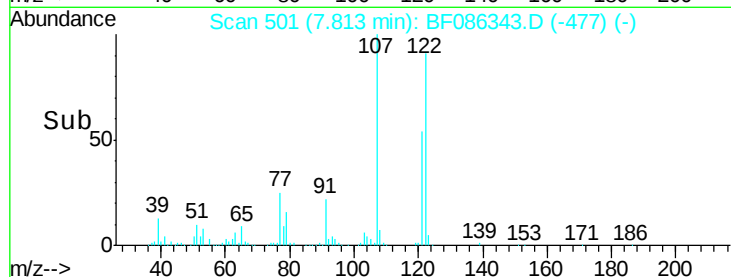
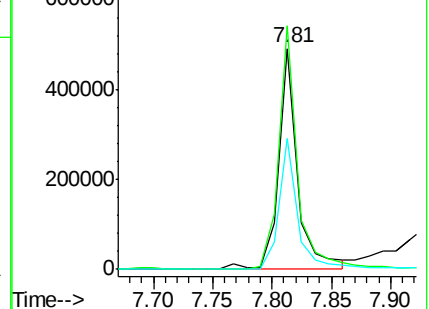
121 59.2 47.1 70.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 50.64 ng

RT: 7.90 min Scan# 509

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

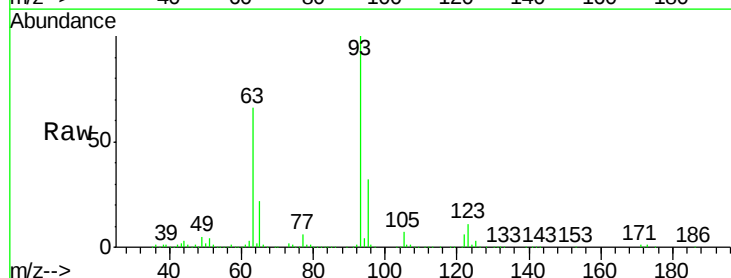
Tgt Ion: 93 Resp: 774015

Ion Ratio Lower Upper

93 100

95 32.1 25.8 38.8

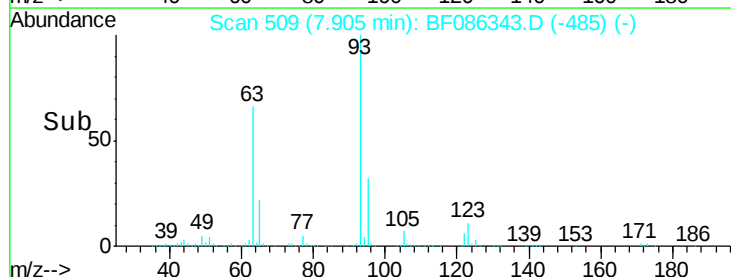
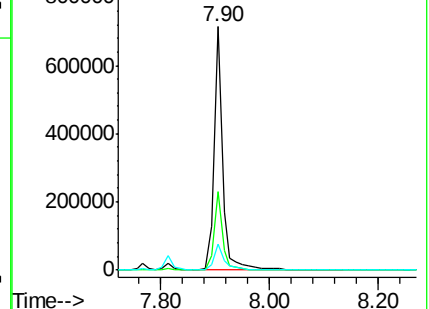
123 10.7 8.9 13.3

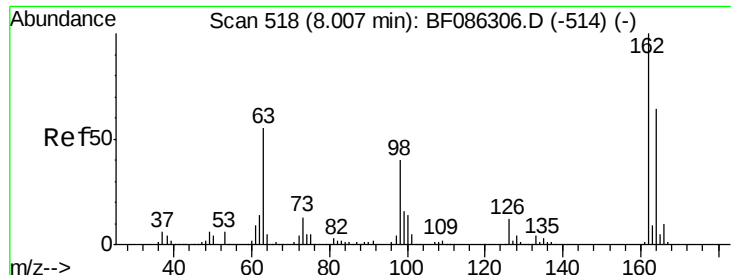


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

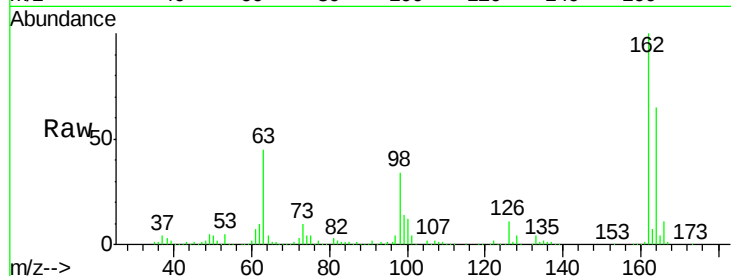




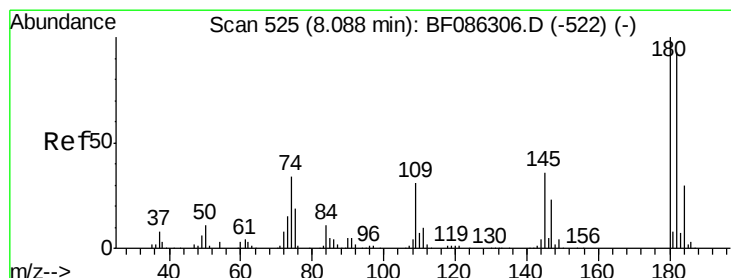
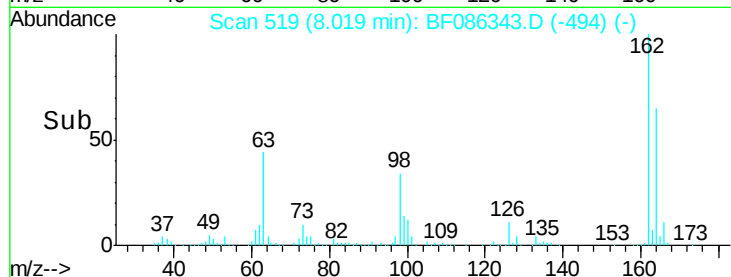
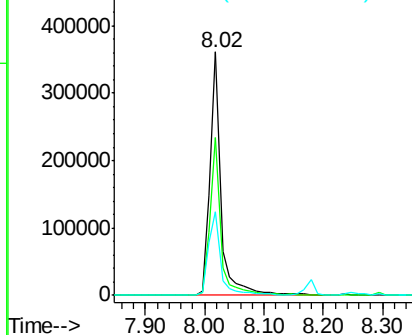
#29
 2,4-Dichlorophenol
 Concen: 46.04 ng
 RT: 8.02 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Instrument :
 BNA_F
 ClientSampleId :
 B-931WB(N)(19)MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.0	43.3	83.3
98	34.2	22.9	62.9

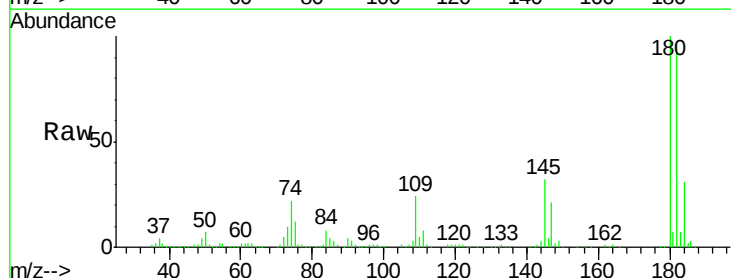


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

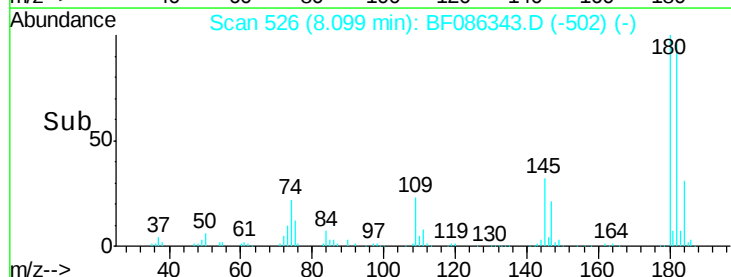
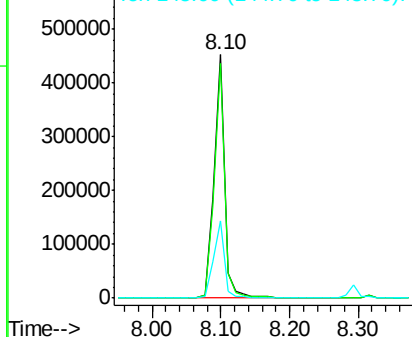


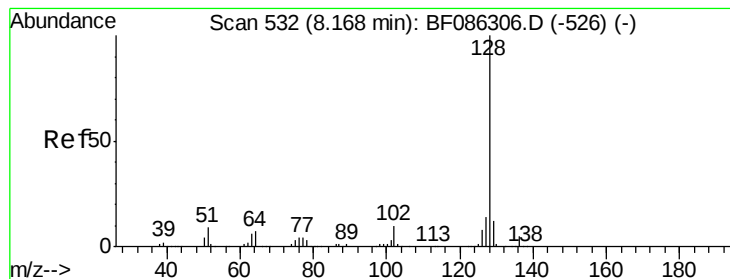
#30
 1,2,4-Trichlorobenzene
 Concen: 45.16 ng
 RT: 8.10 min Scan# 526
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.3	114.5
145	31.9	27.4	41.2



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: 45.98 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

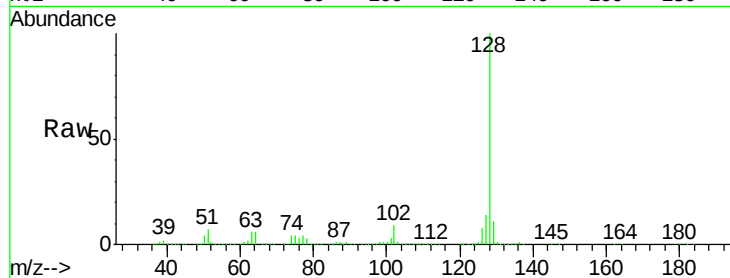
Tgt Ion:128 Resp: 1731645

Ion Ratio Lower Upper

128 100

129 11.4 9.6 14.4

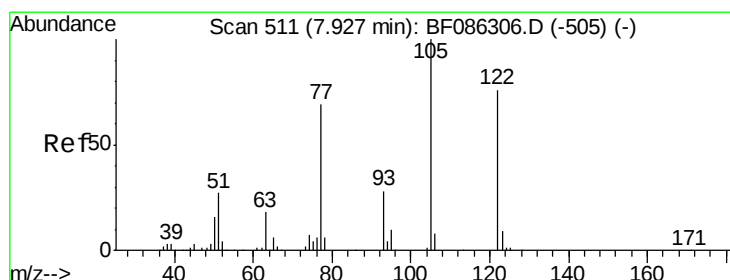
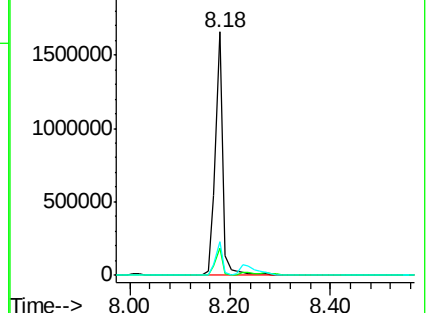
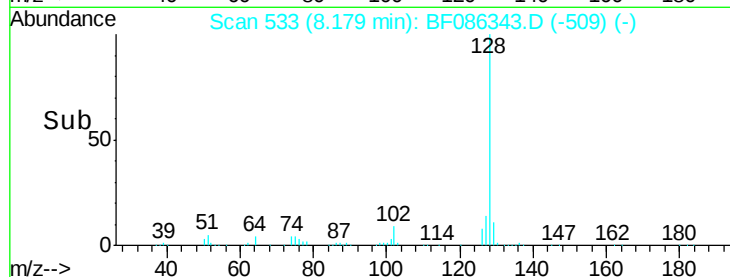
127 13.9 11.4 17.2



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: 39.37 ng

RT: 7.93 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

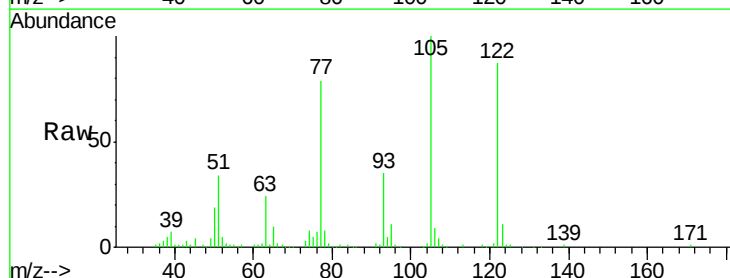
Tgt Ion:122 Resp: 302881

Ion Ratio Lower Upper

122 100

105 115.4 103.7 143.7

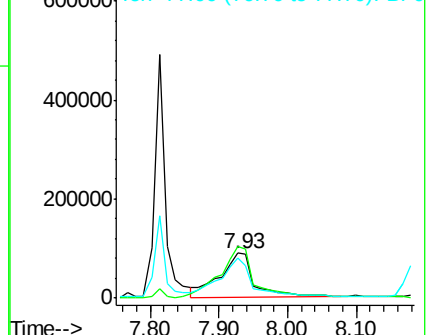
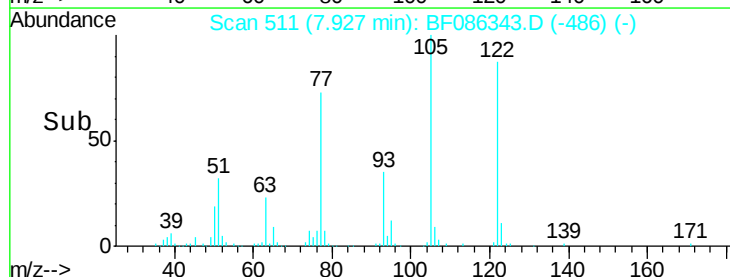
77 90.7 74.9 114.9

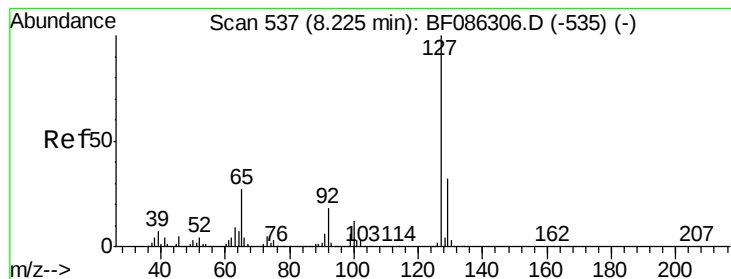


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 11.53 ng

RT: 8.22 min Scan# 537

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

Tgt Ion:127 Resp: 179774

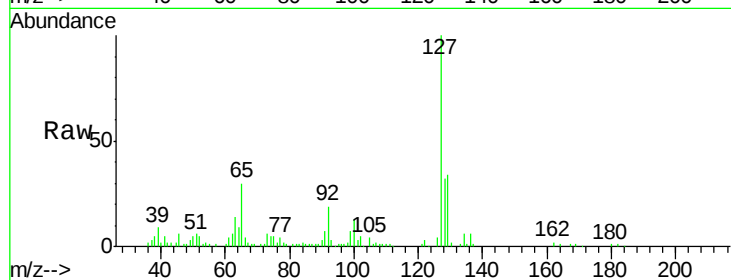
Ion Ratio Lower Upper

127 100

129 33.7 26.8 40.2

65 30.0 27.1 40.7

92 19.0 16.2 24.2

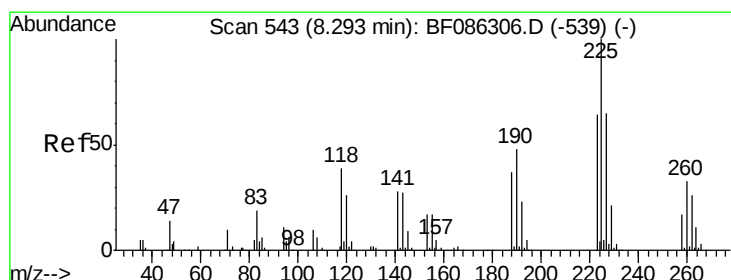
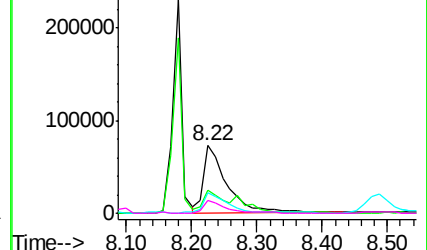
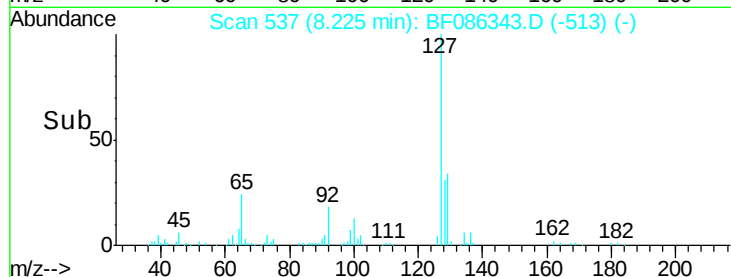


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 42.83 ng

RT: 8.29 min Scan# 543

Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

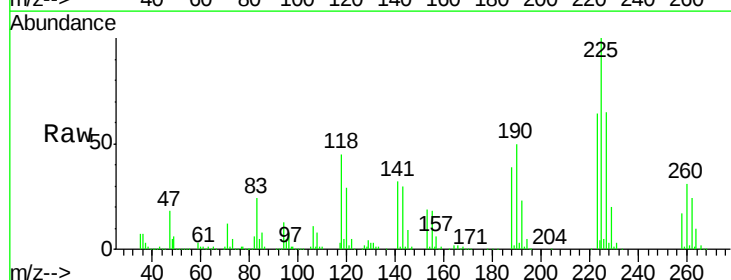
Tgt Ion:225 Resp: 237754

Ion Ratio Lower Upper

225 100

223 64.1 49.4 74.0

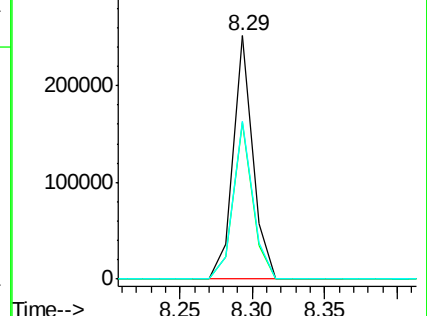
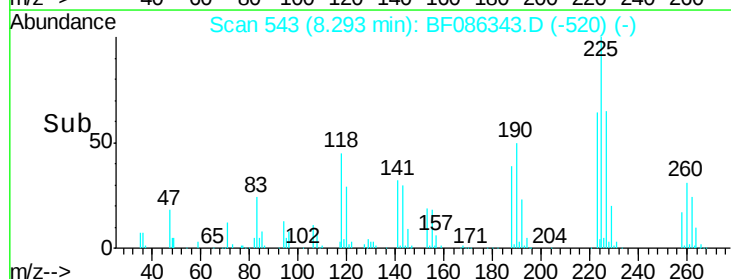
227 64.6 51.1 76.7

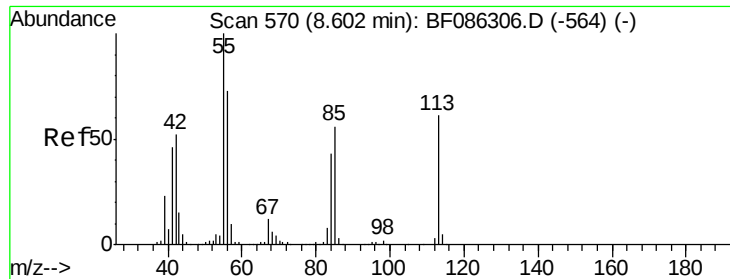


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

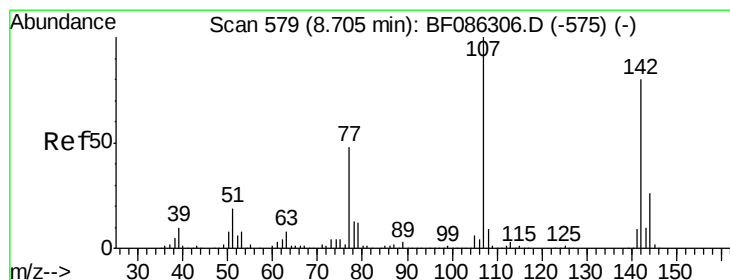
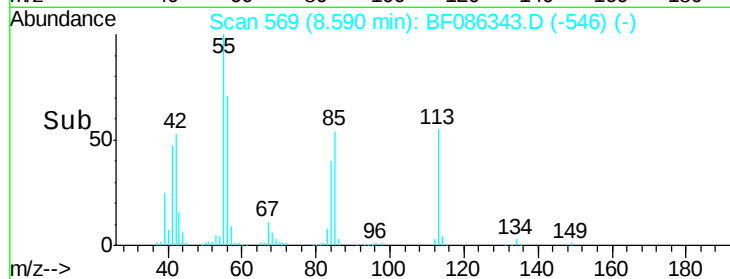
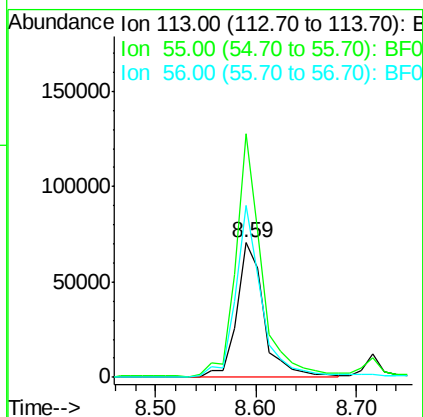
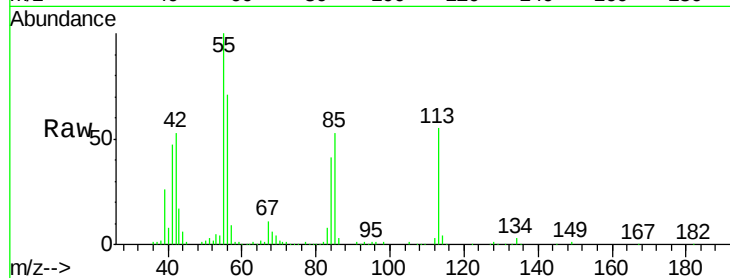




#35
 Caprolactam
 Concen: 40.33 ng
 RT: 8.59 min Scan# 569
 Delta R.T. -0.03 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

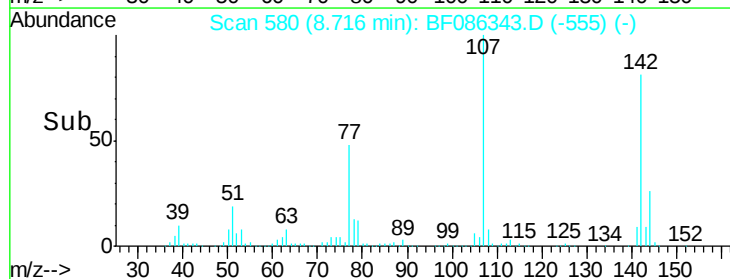
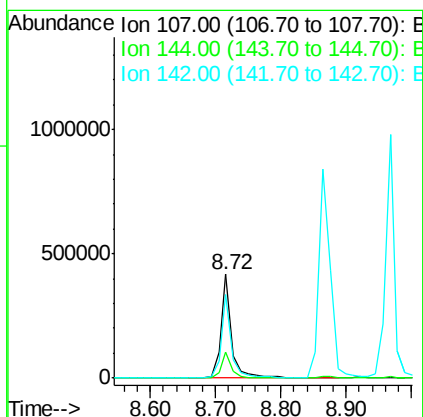
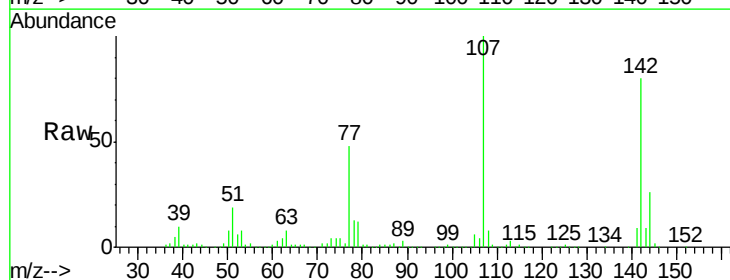
Instrument :
 BNA_F
 ClientSampleId :
 B-931WB(N)(19)MSD

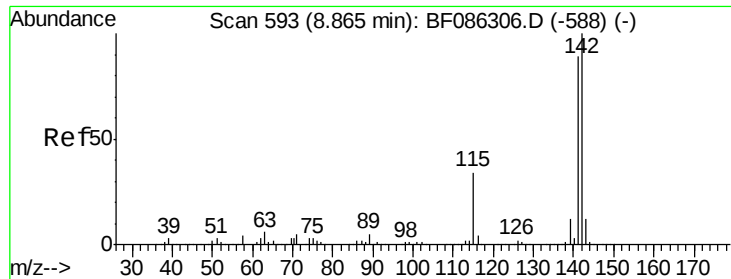
Tgt Ion:113 Resp: 133353
 Ion Ratio Lower Upper
 113 100
 55 181.3 117.5 157.5#
 56 128.0 82.5 122.5#



#36
 4-Chloro-3-methylphenol
 Concen: 42.37 ng
 RT: 8.72 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Tgt Ion:107 Resp: 486465
 Ion Ratio Lower Upper
 107 100
 144 25.7 20.7 31.1
 142 80.4 64.5 96.7

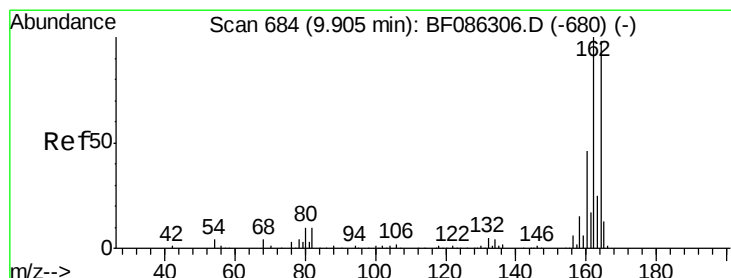
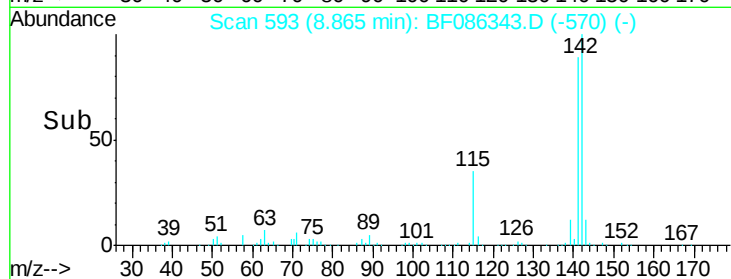
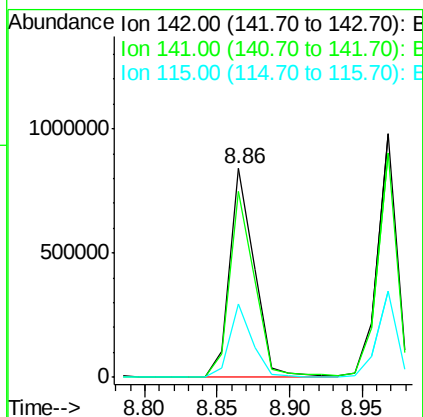
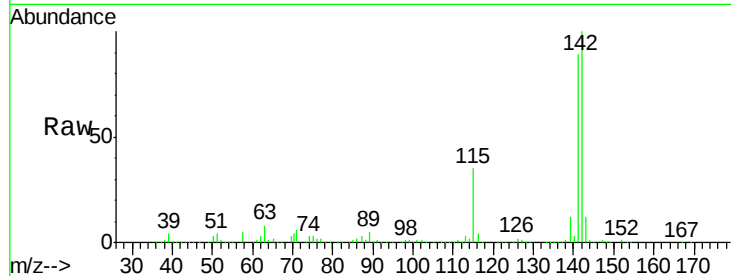




#37
2-Methylnaphthalene
Concen: 43.09 ng
RT: 8.86 min Scan# 593
Delta R.T. -0.03 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

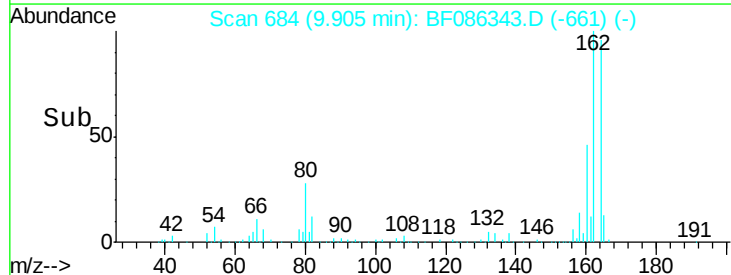
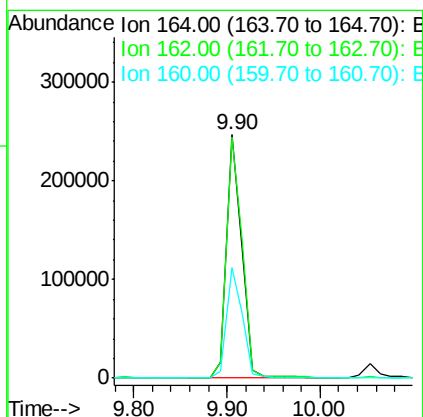
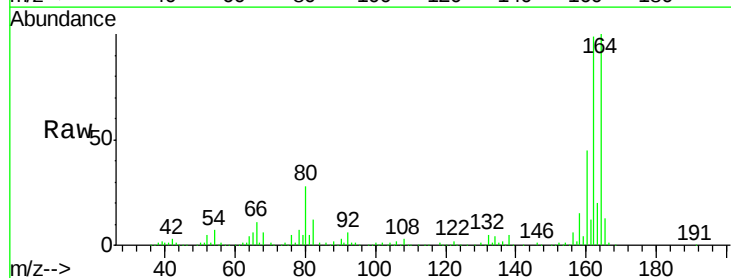
Instrument :
BNA_F
ClientSampleId :
B-931WB(N)(19)MSD

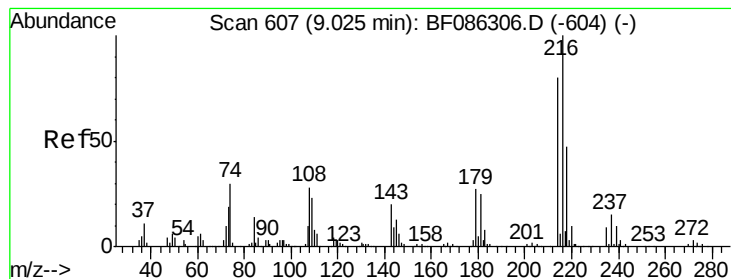
Tgt Ion:142 Resp: 1002181
Ion Ratio Lower Upper
142 100
141 89.1 71.1 106.7
115 35.3 25.1 37.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.03 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tgt Ion:164 Resp: 282022
Ion Ratio Lower Upper
164 100
162 99.2 82.8 124.2
160 45.2 38.9 58.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 54.75 ng

RT: 9.04 min Scan# 608

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

Tgt Ion:216 Resp: 410993

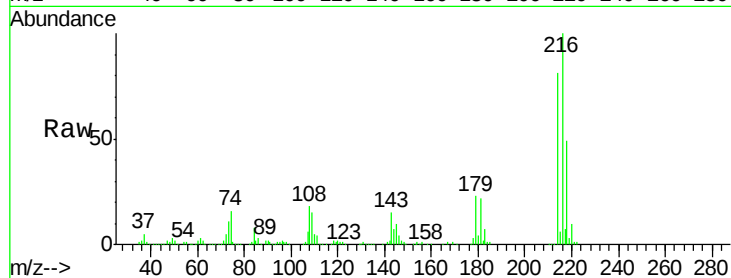
Ion Ratio Lower Upper

216 100

214 79.9 64.9 97.3

179 23.3 19.8 29.6

108 20.3 21.0 31.4#

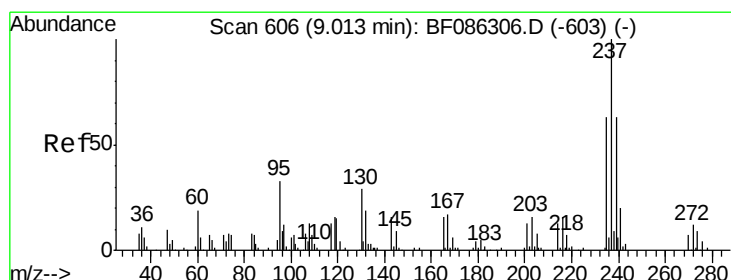
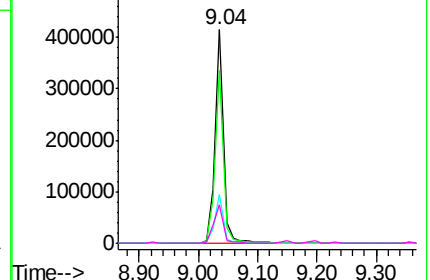
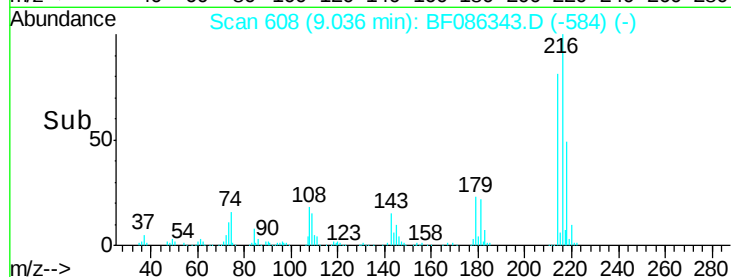


Abundance Ion 216.00 (215.70 to 216.70): E

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: 10.93 ng

RT: 9.01 min Scan# 606

Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

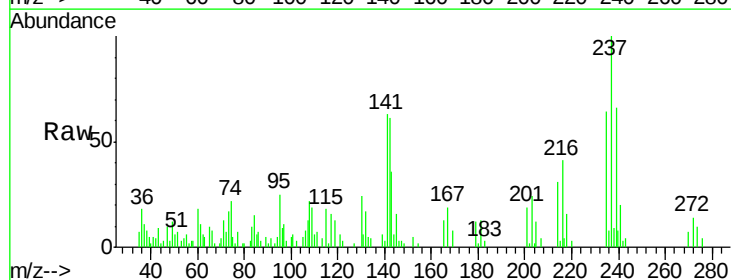
Tgt Ion:237 Resp: 17038

Ion Ratio Lower Upper

237 100

235 64.2 44.0 84.0

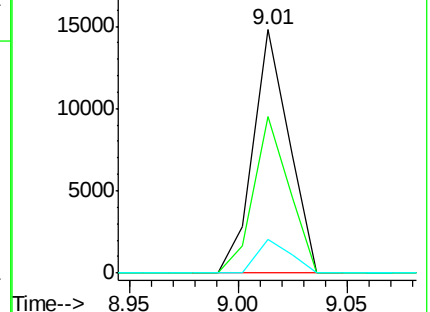
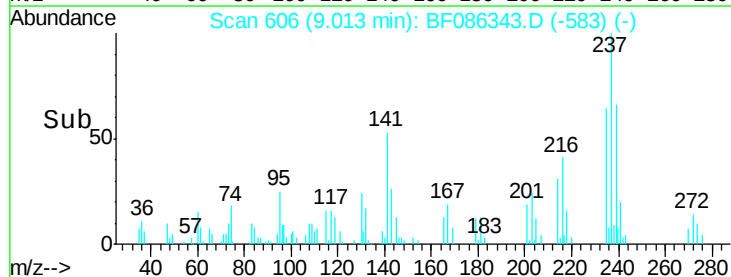
272 13.8 0.0 32.4

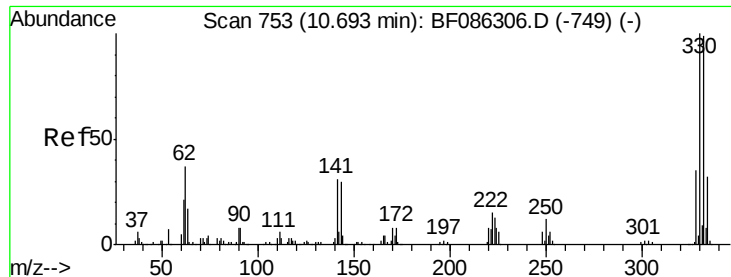


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

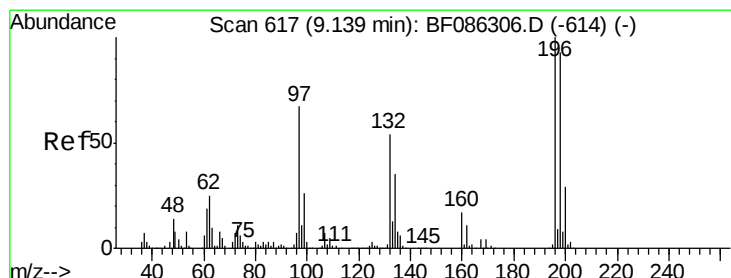
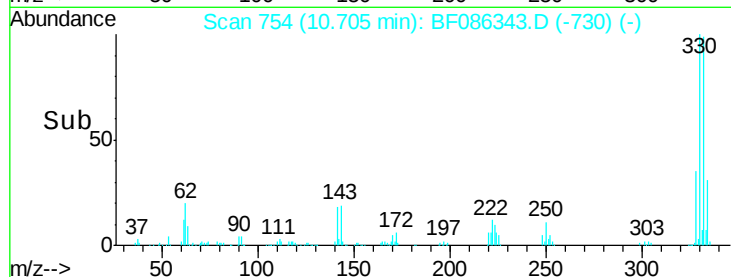
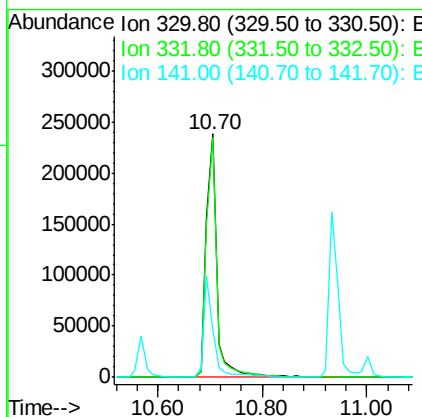
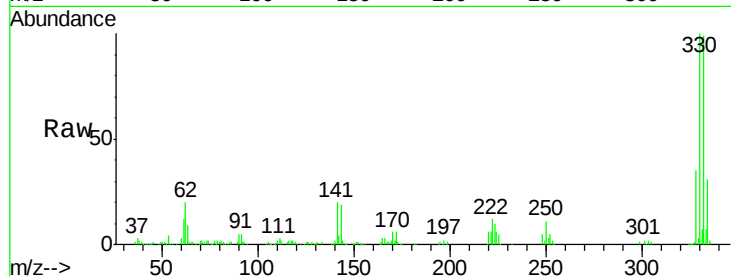




#41
 2,4,6-Tribromophenol
 Concen: 152.75 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

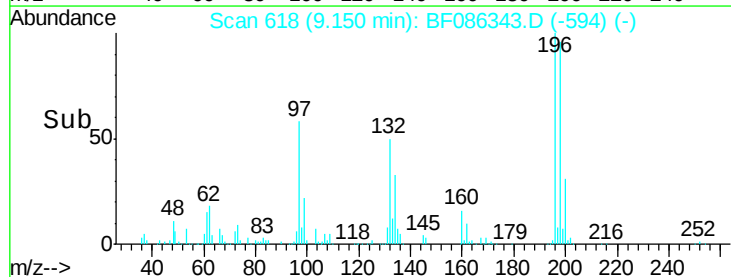
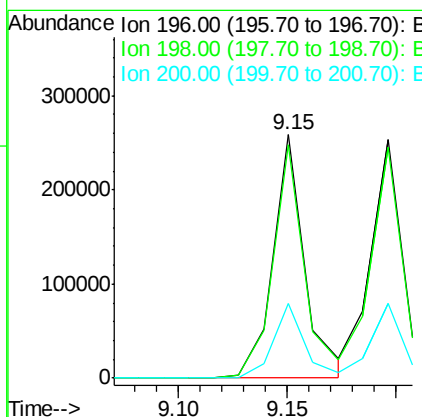
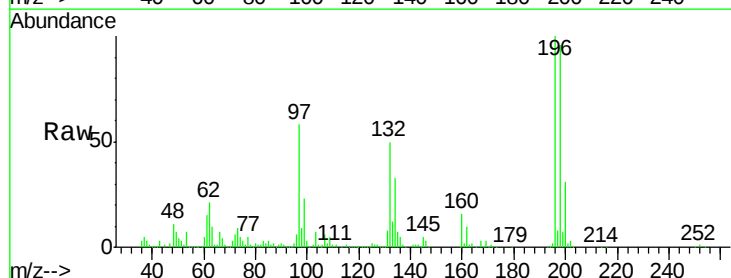
Instrument :
 BNA_F
 ClientSampleId :
 B-931WB(N)(19)MSD

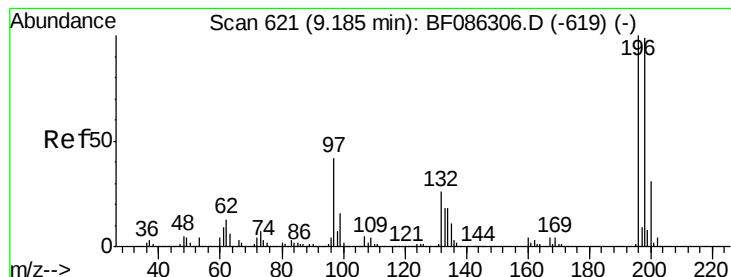
Tgt Ion:330 Resp: 335761
 Ion Ratio Lower Upper
 330 100
 332 97.5 78.7 118.1
 141 37.2 28.6 42.8



#42
 2,4,6-Trichlorophenol
 Concen: 50.81 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Tgt Ion:196 Resp: 264592
 Ion Ratio Lower Upper
 196 100
 198 96.0 76.6 115.0
 200 30.8 25.3 37.9





#43

2,4,5-Trichlorophenol

Concen: 49.50 ng

RT: 9.20 min Scan# 622

Delta R.T. -0.01 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

Tgt Ion:196 Resp: 280767

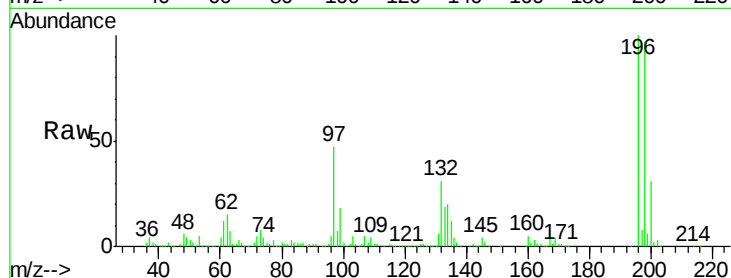
Ion Ratio Lower Upper

196 100

198 96.9 77.7 116.5

97 46.5 32.6 48.8

132 30.6 21.4 32.0

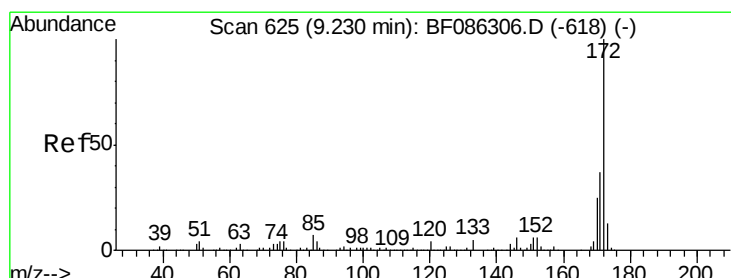
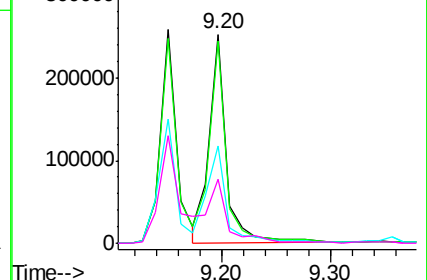
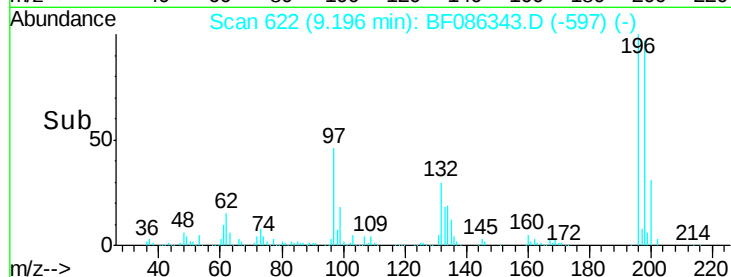


Abundance Ion 196.00 (195.70 to 196.70): E

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: 130.30 ng

RT: 9.23 min Scan# 625

Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

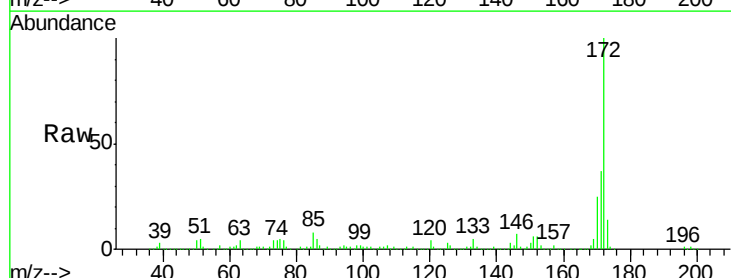
Tgt Ion:172 Resp: 1718667

Ion Ratio Lower Upper

172 100

171 36.9 29.1 43.7

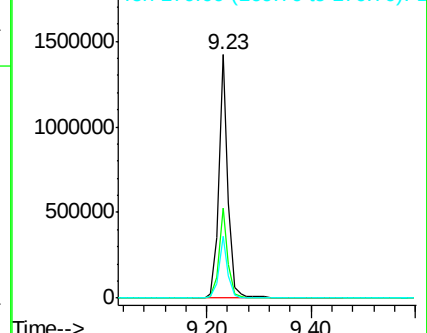
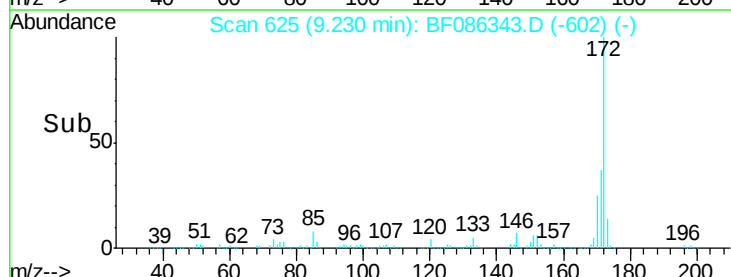
170 25.2 19.9 29.9

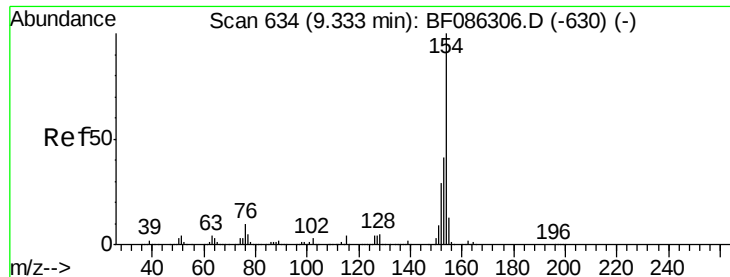


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

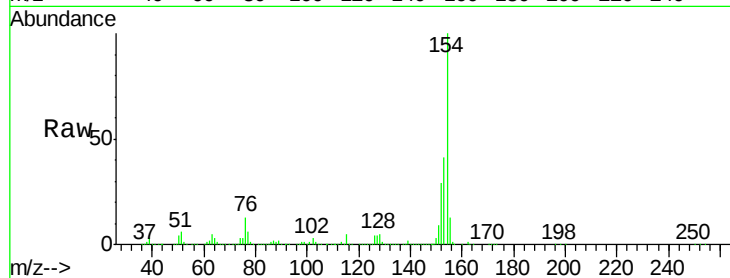




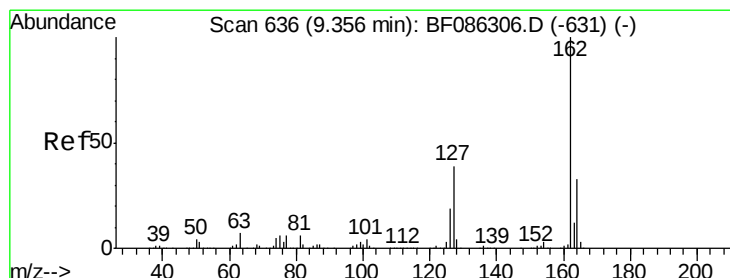
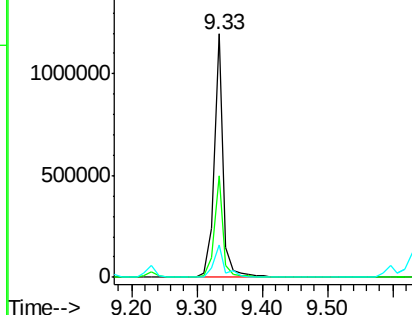
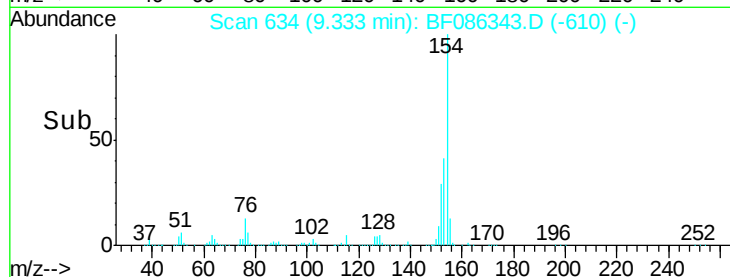
#45
 1,1'-Biphenyl
 Concen: 52.95 ng
 RT: 9.33 min Scan# 634
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Instrument :
 BNA_F
 ClientSampleId :
 B-931WB(N)(19)MSD

Tgt Ion:154 Resp: 1172679
 Ion Ratio Lower Upper
 154 100
 153 41.5 21.3 61.3
 76 13.5 0.0 36.4

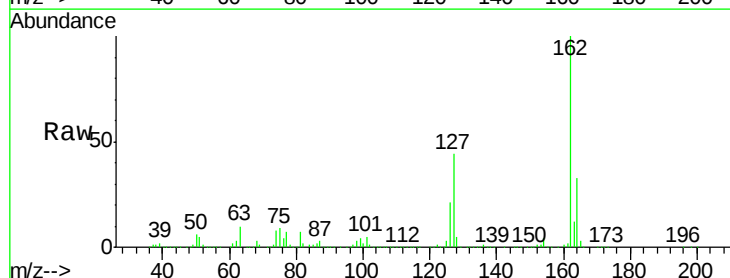


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): E

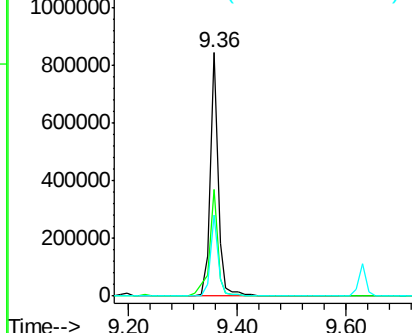
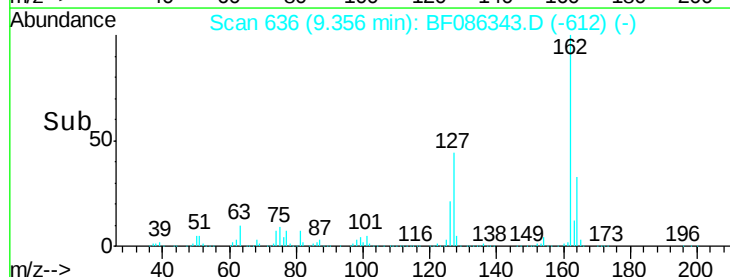


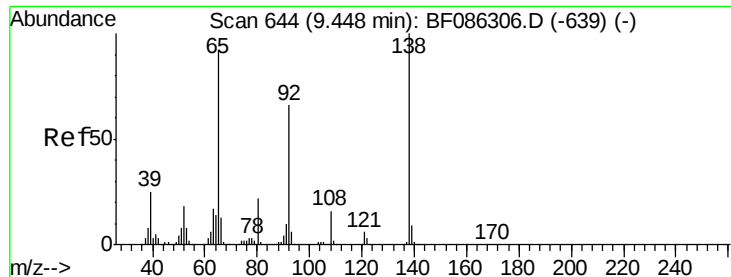
#46
 2-Chloronaphthalene
 Concen: 51.64 ng
 RT: 9.36 min Scan# 636
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Tgt Ion:162 Resp: 866617
 Ion Ratio Lower Upper
 162 100
 127 43.8 36.7 55.1
 164 33.1 26.4 39.6



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 56.80 ng

RT: 9.46 min Scan# 645

Delta R.T. -0.01 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

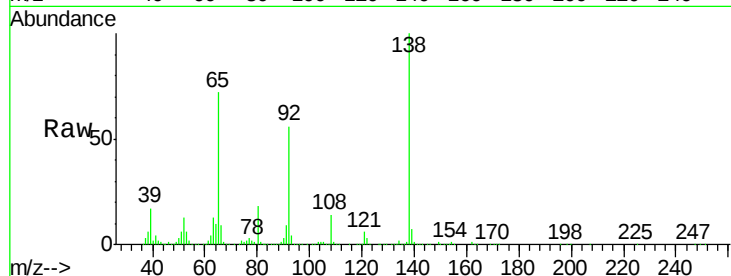
Tgt Ion: 65 Resp: 324005

Ion Ratio Lower Upper

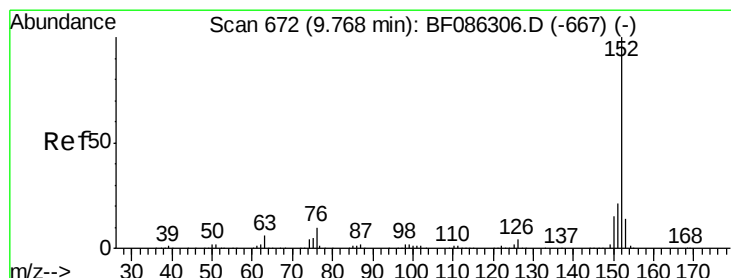
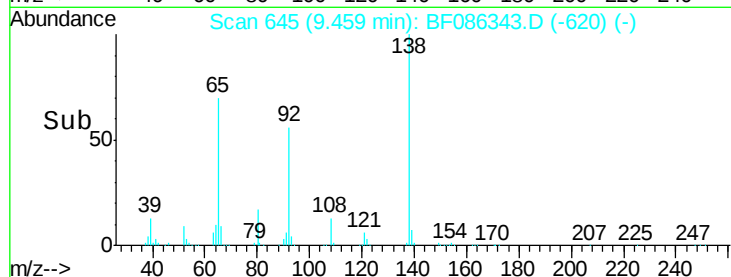
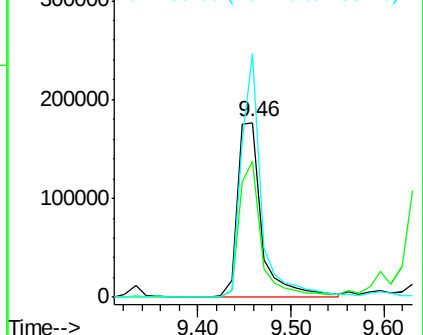
65 100

92 78.0 51.9 77.9#

138 139.2 72.6 108.8#



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: 49.53 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

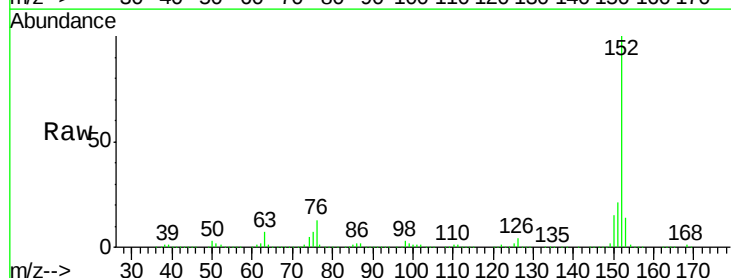
Tgt Ion: 152 Resp: 1297980

Ion Ratio Lower Upper

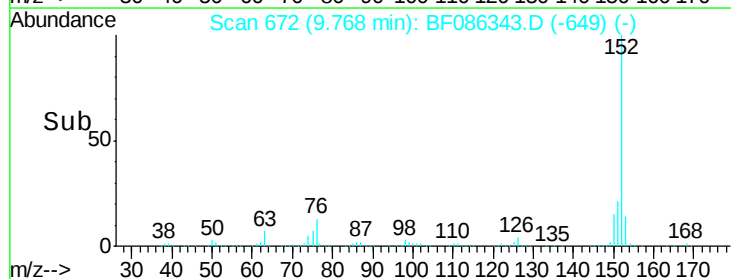
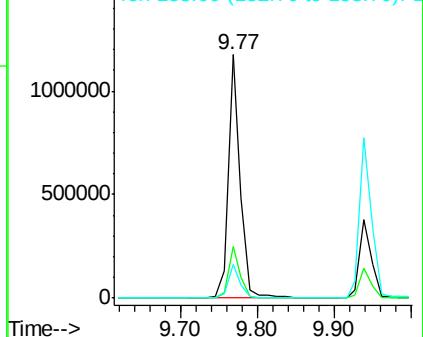
152 100

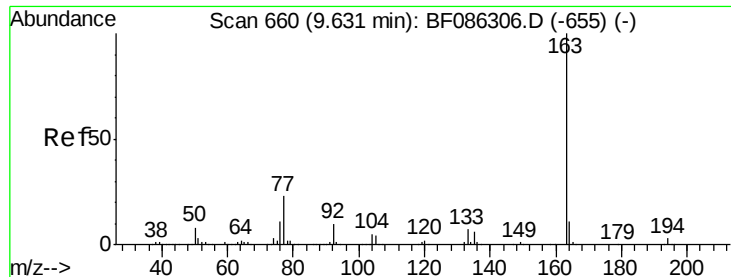
151 21.0 17.2 25.8

153 13.8 10.7 16.1



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

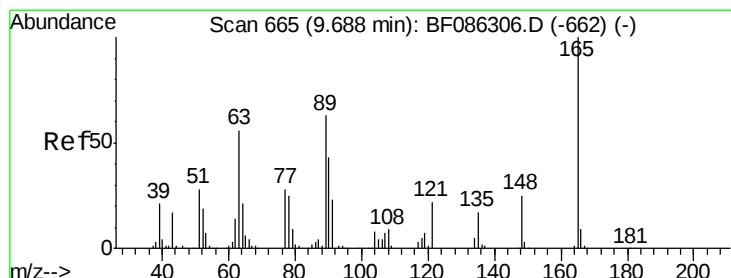
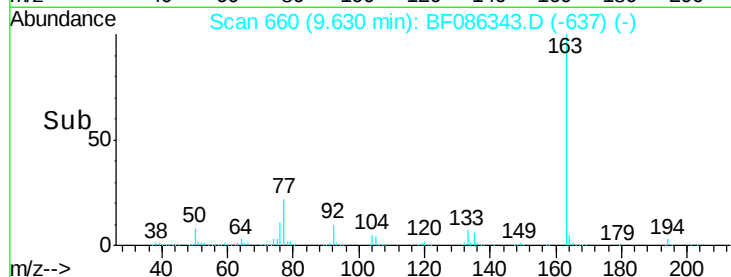
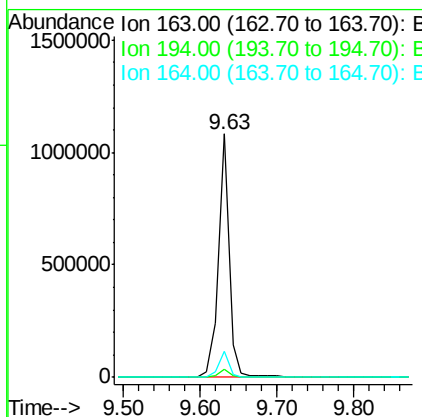
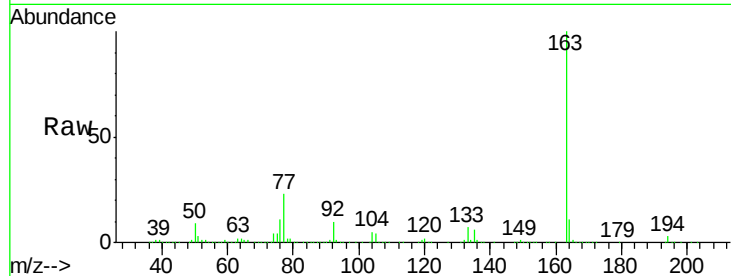




#49
Dimethylphthalate
Concen: 49.80 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.03 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

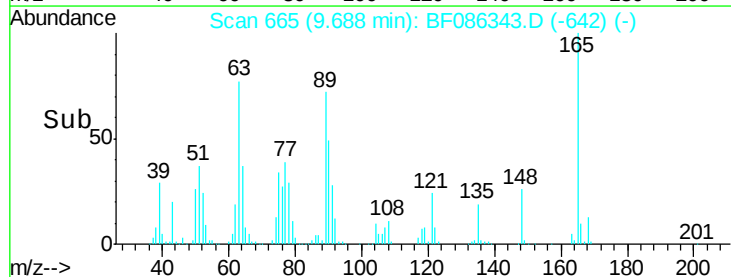
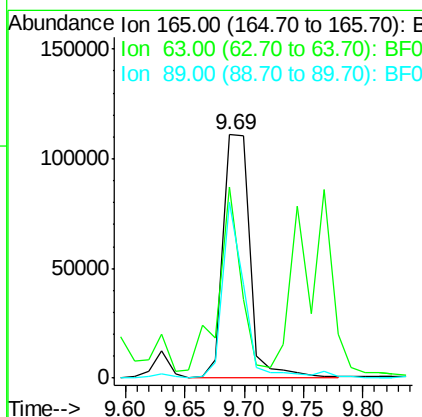
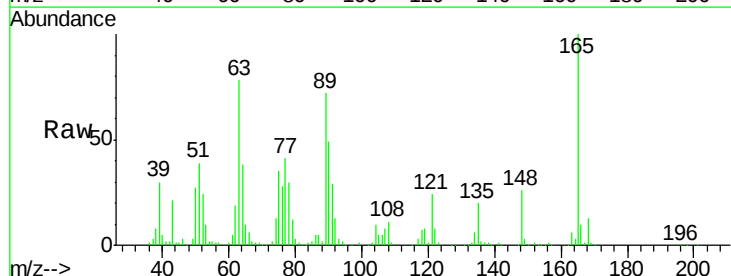
Instrument :
BNA_F
ClientSampleId :
B-931WB(N)(19)MSD

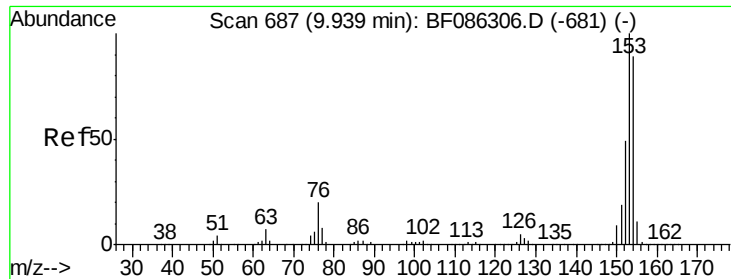
Tgt Ion:163 Resp: 1069373
Ion Ratio Lower Upper
163 100
194 3.1 2.8 4.2
164 10.5 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 38.96 ng
RT: 9.69 min Scan# 665
Delta R.T. -0.03 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tgt Ion:165 Resp: 172129
Ion Ratio Lower Upper
165 100
63 78.5 35.1 52.7#
89 72.0 39.8 59.6#





#51

Acenaphthene

Concen: 49.39 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

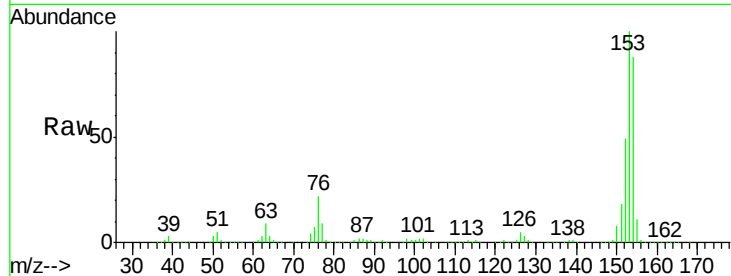
Tgt Ion:154 Resp: 759461

Ion Ratio Lower Upper

154 100

153 113.3 90.0 135.0

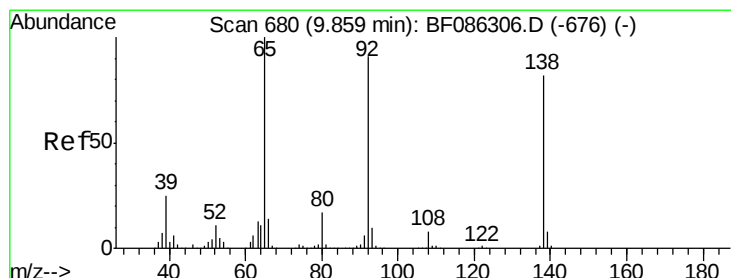
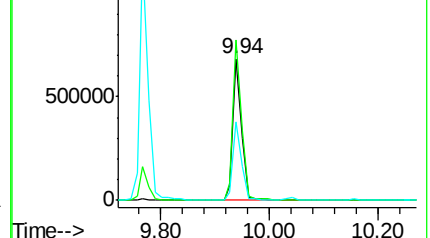
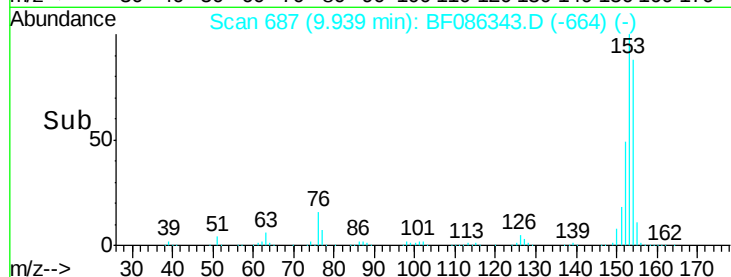
152 55.9 44.3 66.5



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: 44.26 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

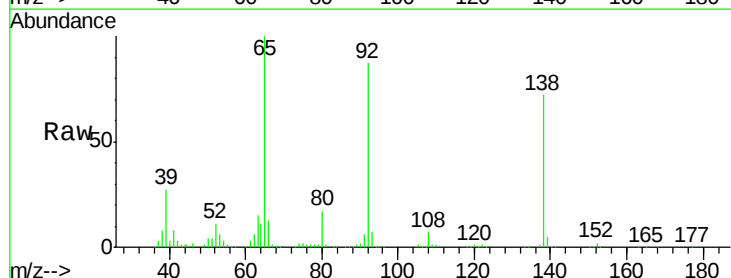
Tgt Ion:138 Resp: 248710

Ion Ratio Lower Upper

138 100

108 10.4 9.0 13.4

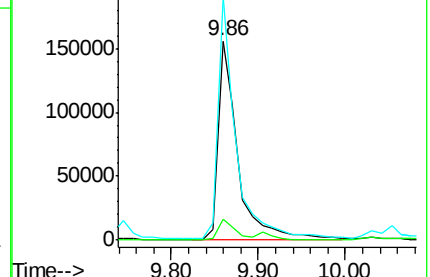
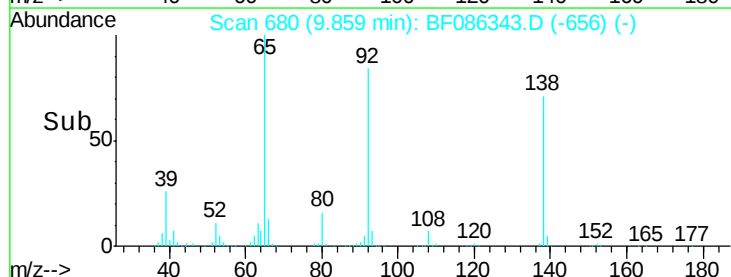
92 122.1 99.3 148.9

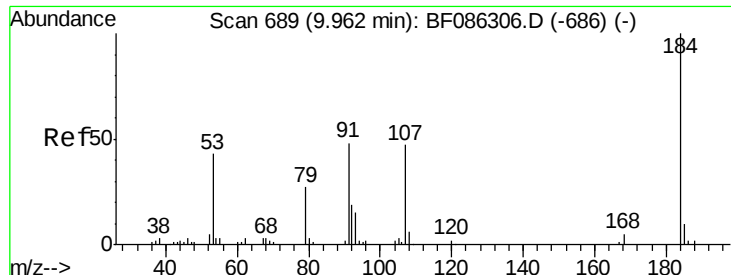


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

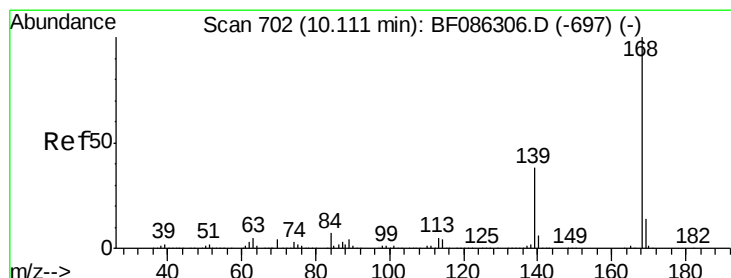
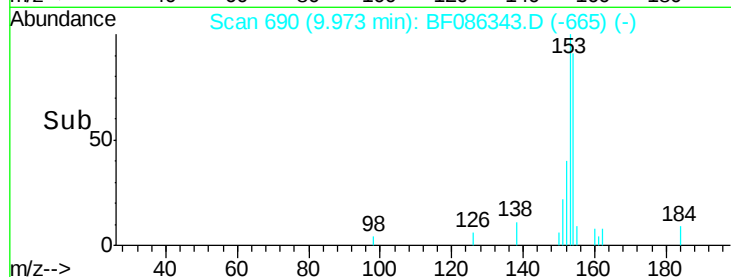
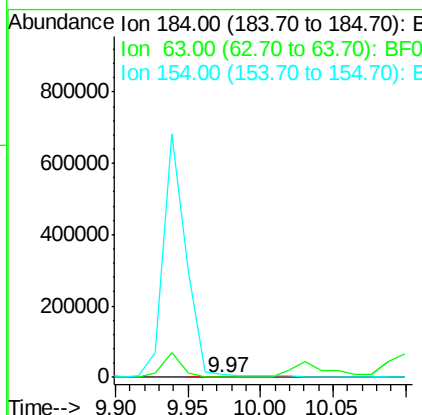
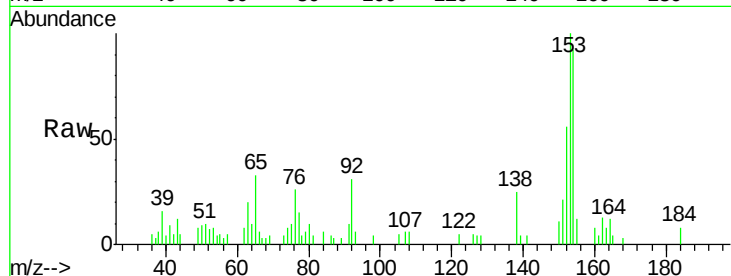




#53
 2,4-Dinitrophenol
 Concen: 8.76 ng
 RT: 9.97 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

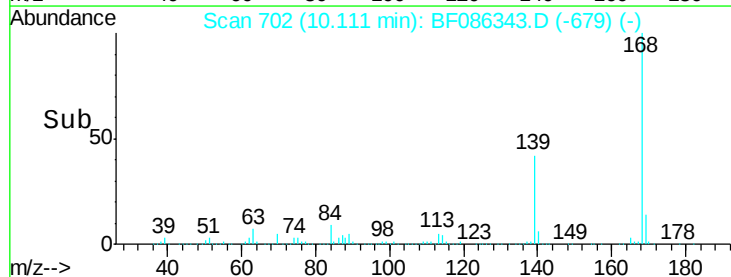
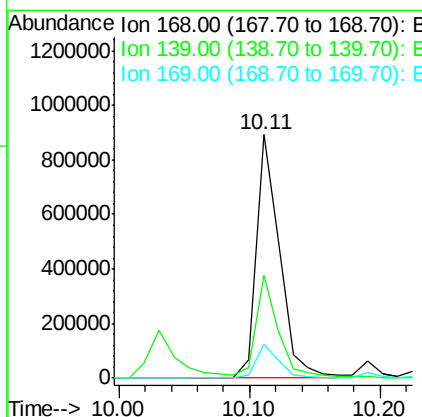
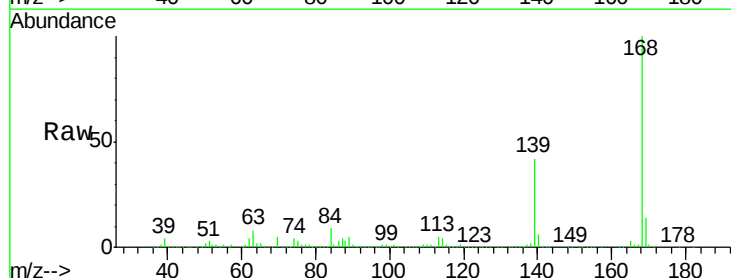
Instrument :
 BNA_F
 ClientSampleId :
 B-931WB(N)(19)MSD

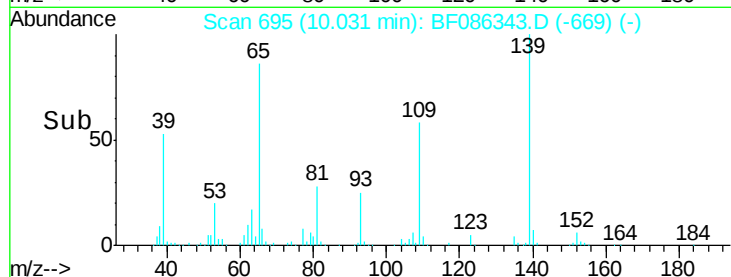
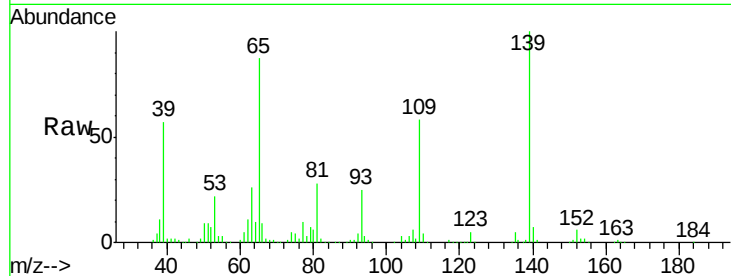
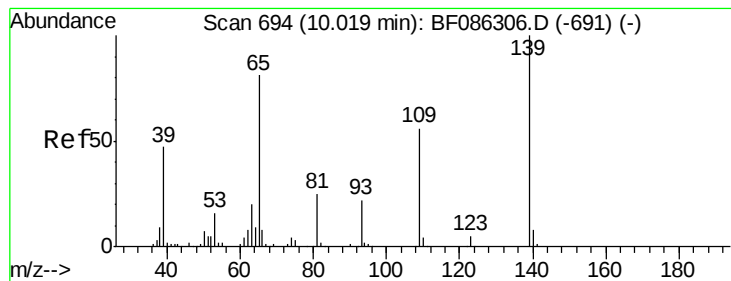
Tgt Ion:184 Resp: 2131
 Ion Ratio Lower Upper
 184 100
 63 240.9 64.7 97.1#
 154 1086.5 59.4 89.2#



#54
 Dibenzofuran
 Concen: 53.39 ng
 RT: 10.11 min Scan# 702
 Delta R.T. -0.03 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Tgt Ion:168 Resp: 1116076
 Ion Ratio Lower Upper
 168 100
 139 42.4 29.5 44.3
 169 13.8 10.6 16.0





#55

4-Nitrophenol

Concen: 77.47 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

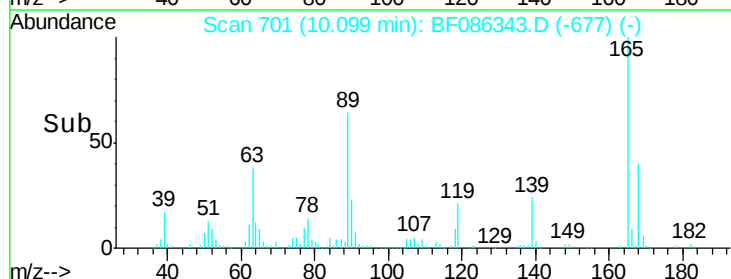
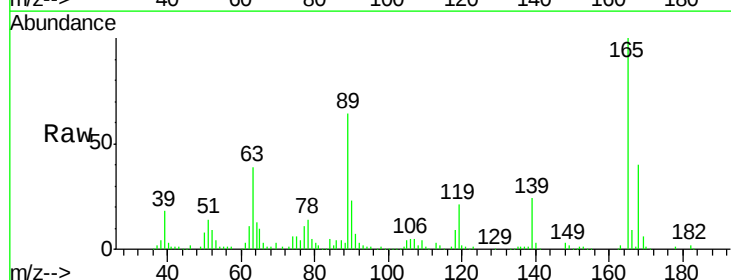
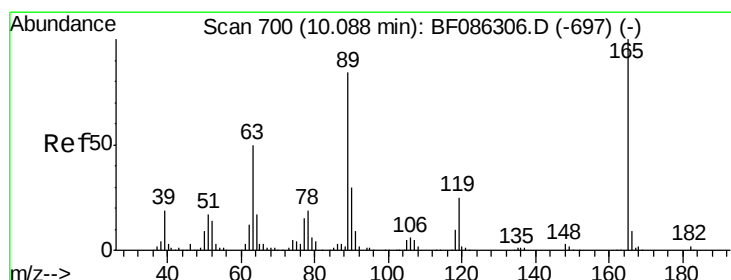
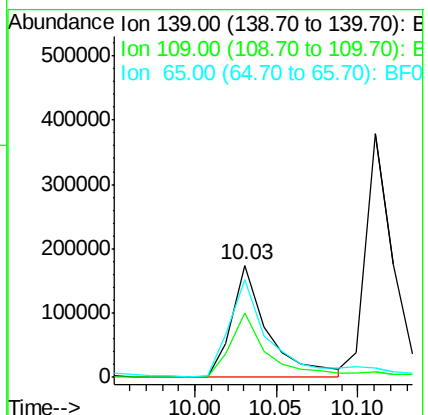
Tgt Ion:139 Resp: 269898

Ion Ratio Lower Upper

139 100

109 57.9 55.0 95.0

65 87.4 87.3 127.3



#56

2,4-Dinitrotoluene

Concen: 35.69 ng

RT: 10.10 min Scan# 701

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Tgt Ion:165 Resp: 195971

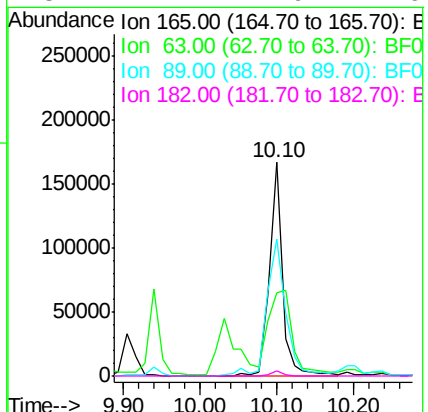
Ion Ratio Lower Upper

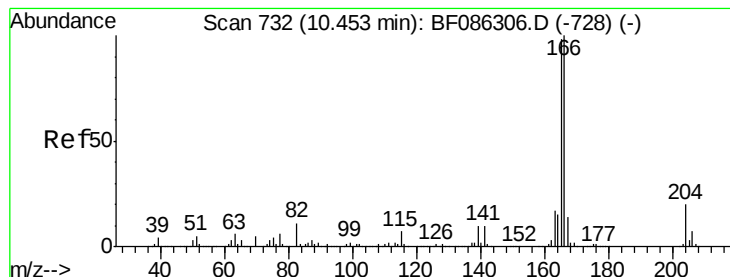
165 100

63 39.1 26.6 40.0

89 63.9 49.5 74.3

182 2.4 1.9 2.9





#57

Fluorene

Concen: 48.75 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

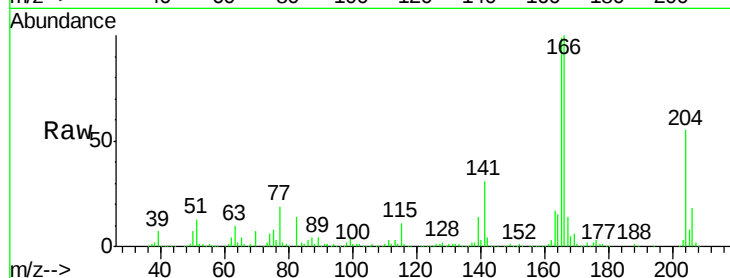
Tgt Ion:166 Resp: 755194

Ion Ratio Lower Upper

166 100

165 99.3 78.6 117.8

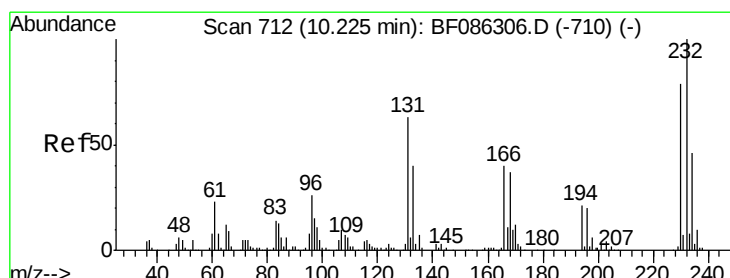
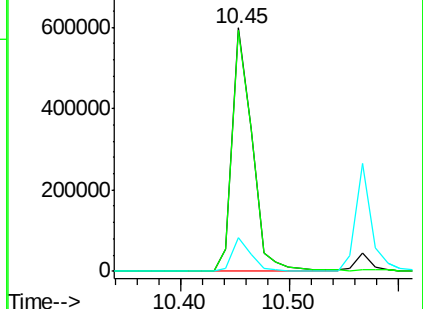
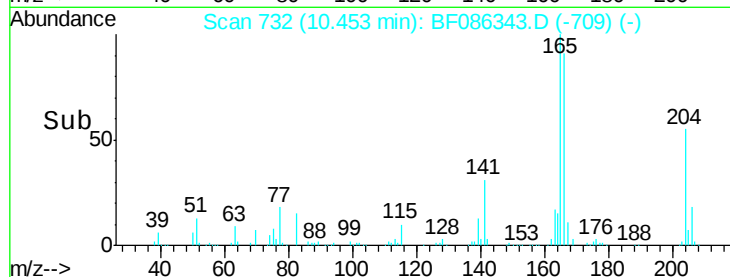
167 14.0 10.4 15.6



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: 55.66 ng

RT: 10.24 min Scan# 713

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Tgt Ion:232 Resp: 211805

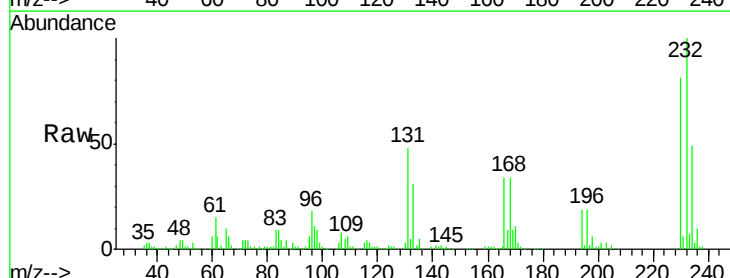
Ion Ratio Lower Upper

232 100

131 47.6 46.6 70.0

130 0.0 2.5 3.7#

166 31.8 28.3 42.5

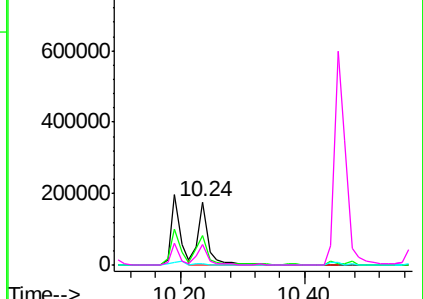
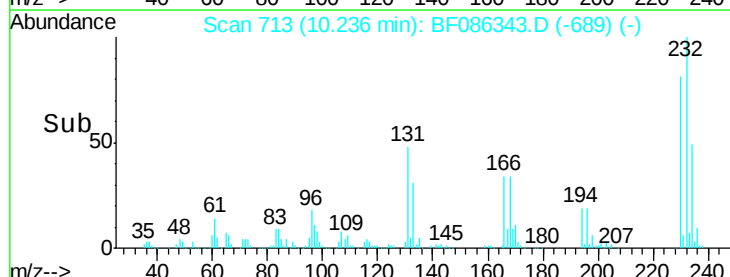


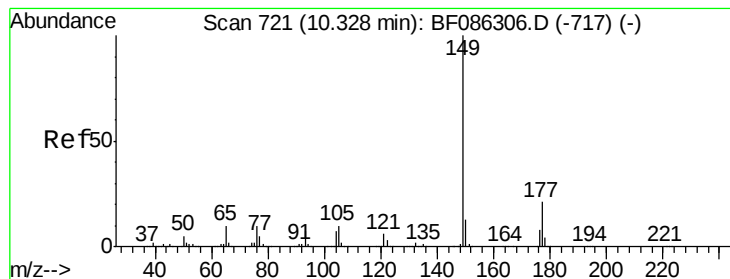
Abundance Ion 232.00 (231.70 to 232.70): E

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: 47.97 ng

RT: 10.33 min Scan# 721

Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

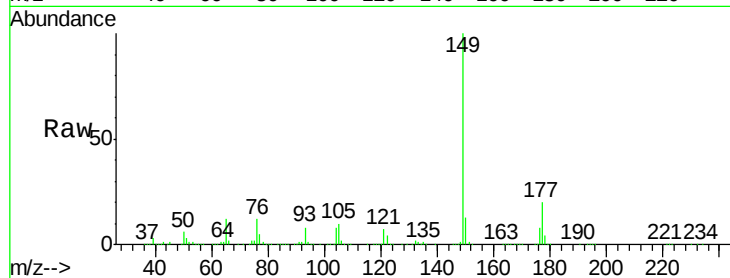
Tgt Ion:149 Resp: 1005114

Ion Ratio Lower Upper

149 100

177 19.8 17.0 25.6

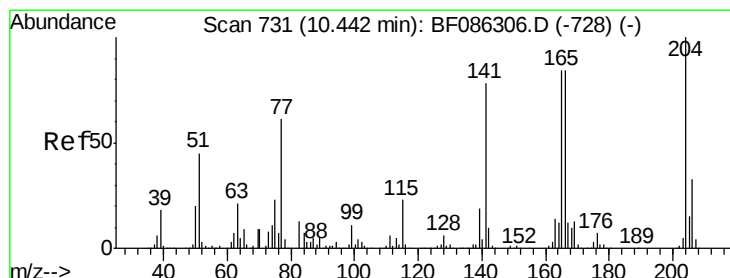
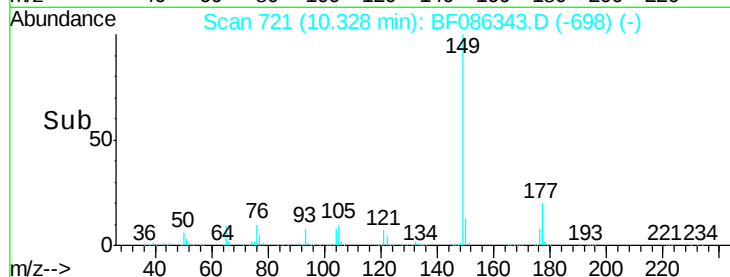
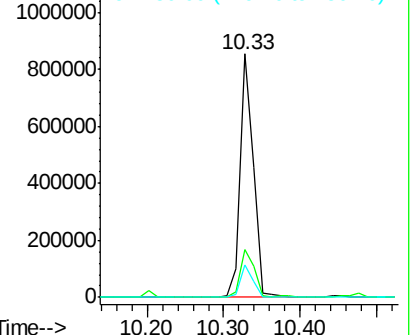
150 13.1 10.2 15.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 51.29 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

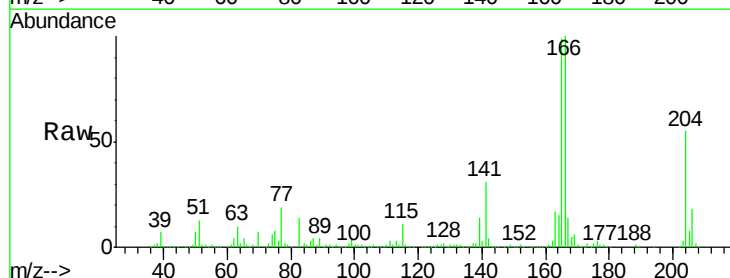
Tgt Ion:204 Resp: 367976

Ion Ratio Lower Upper

204 100

206 33.3 26.2 39.2

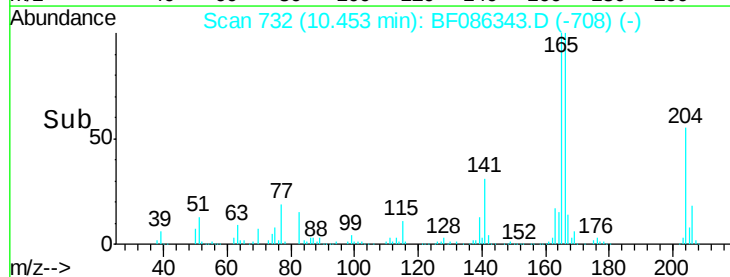
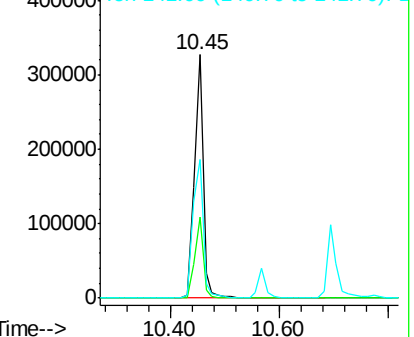
141 57.1 55.4 83.0

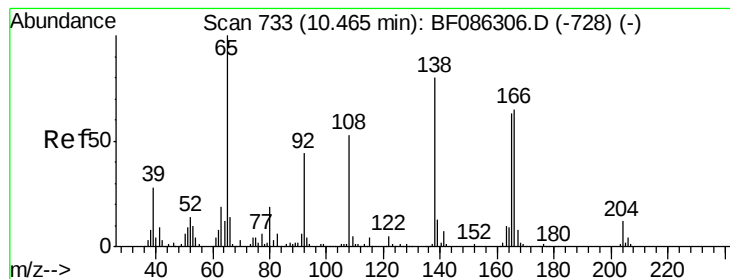


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 56.87 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

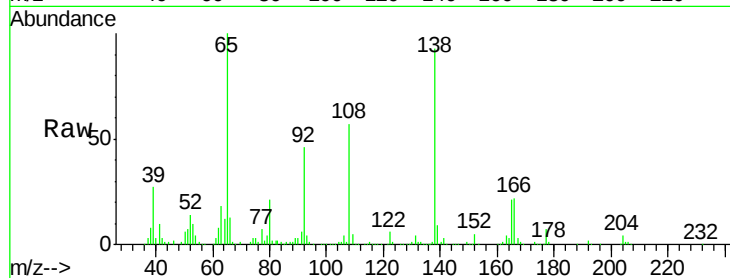
Tgt Ion:138 Resp: 299123

Ion Ratio Lower Upper

138 100

92 50.0 31.9 71.9

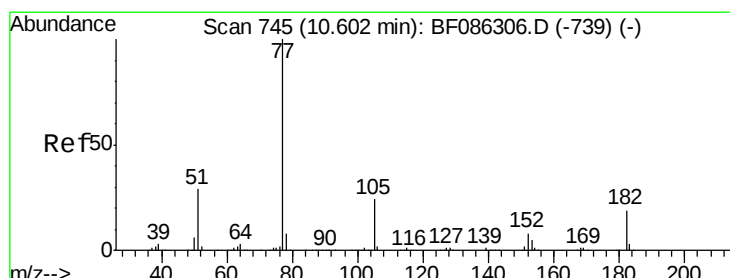
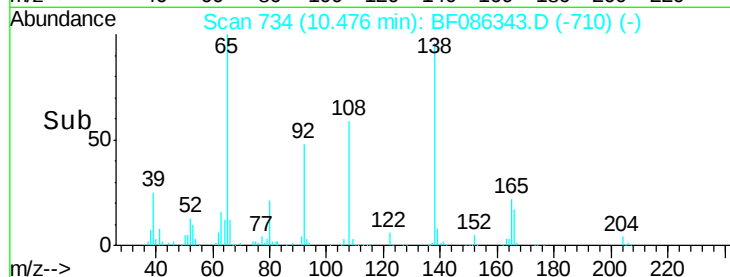
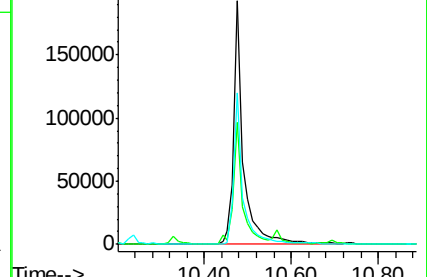
108 62.0 58.7 98.7



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 49.49 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Tgt Ion: 77 Resp: 1022204

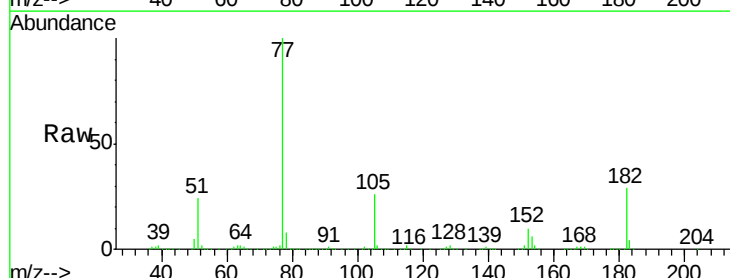
Ion Ratio Lower Upper

77 100

182 28.5 2.3 42.3

105 26.4 3.4 43.4

51 24.0 11.7 51.7

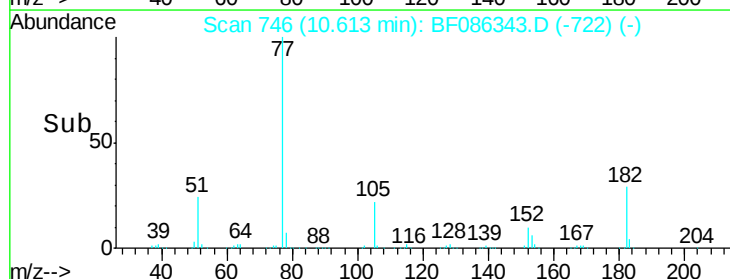
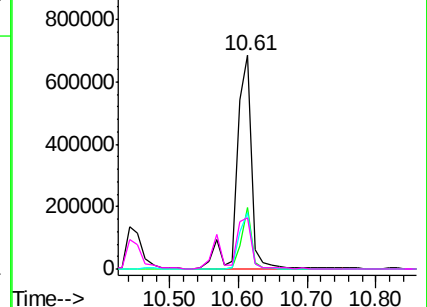


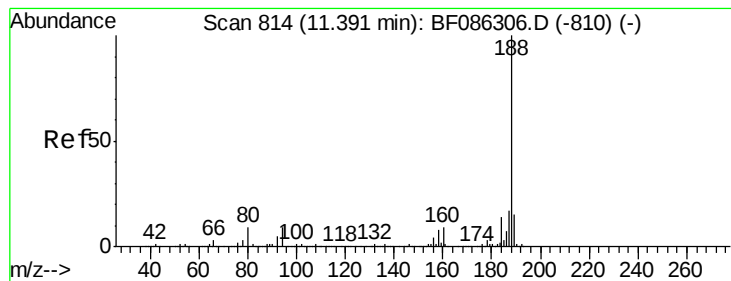
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

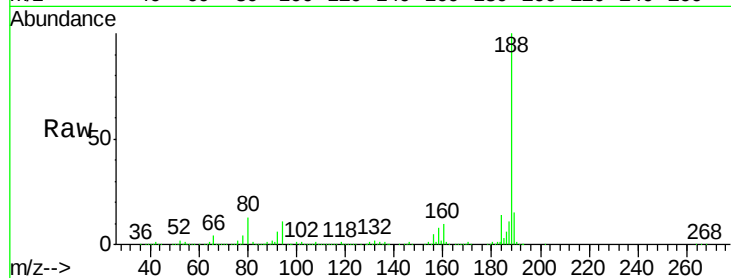
Tgt Ion:188 Resp: 480014

Ion Ratio Lower Upper

188 100

94 11.4 9.8 14.8

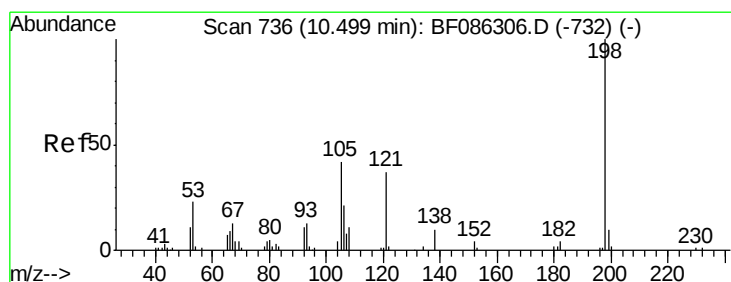
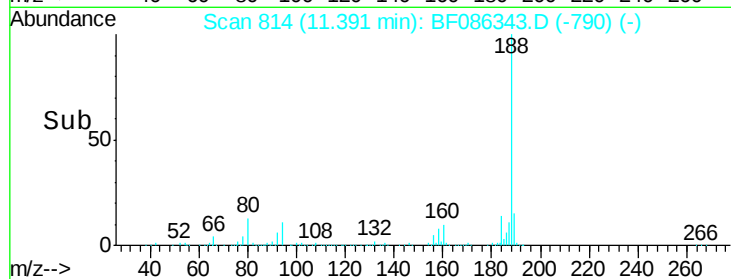
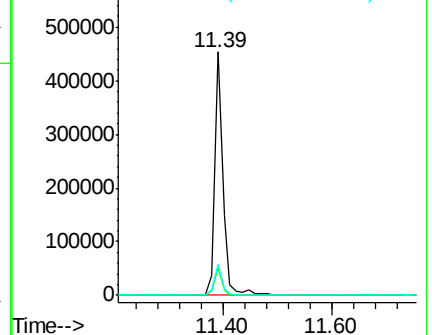
80 12.9 10.5 15.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 7.42 ng

RT: 10.51 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

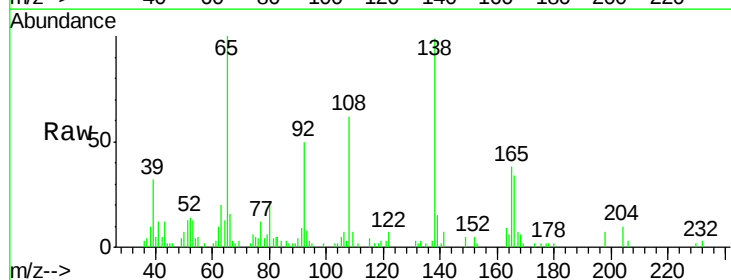
Tgt Ion:198 Resp: 2357

Ion Ratio Lower Upper

198 100

51 189.4 56.5 96.5#

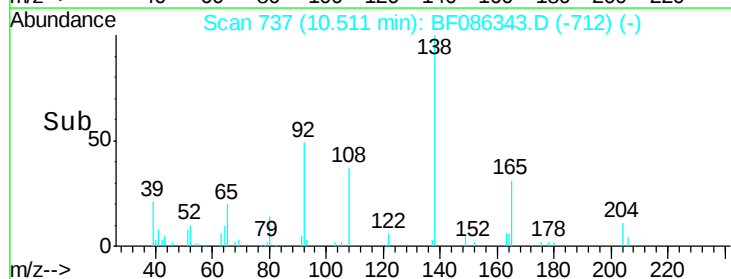
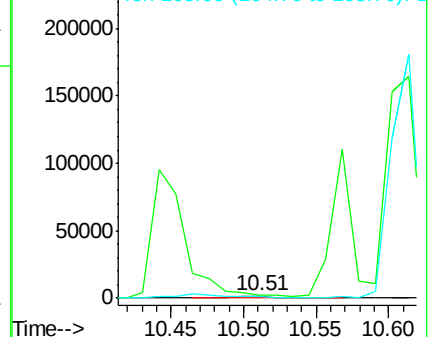
105 74.3 48.0 88.0

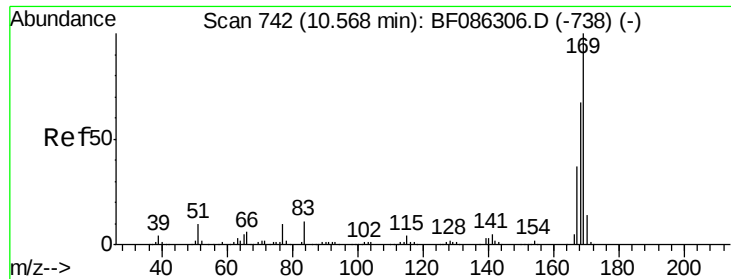


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

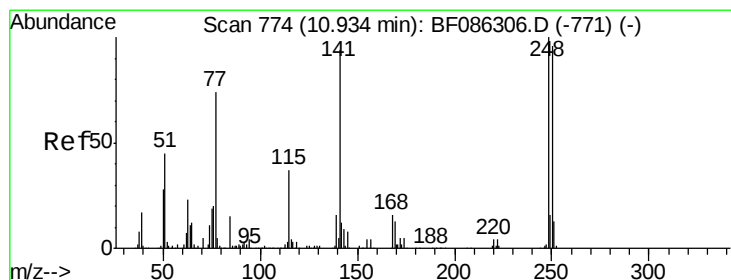
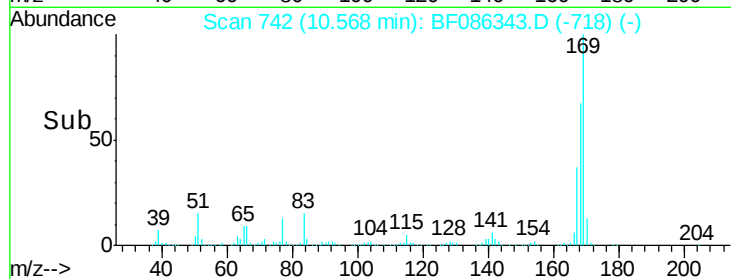
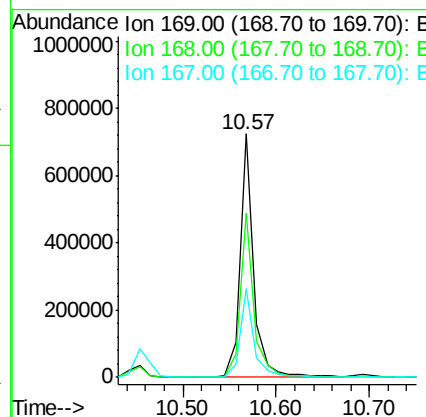
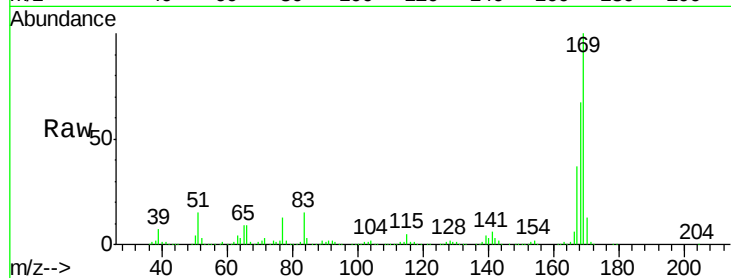




#65
n-Nitrosodiphenylamine
Concen: 46.52 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.02 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

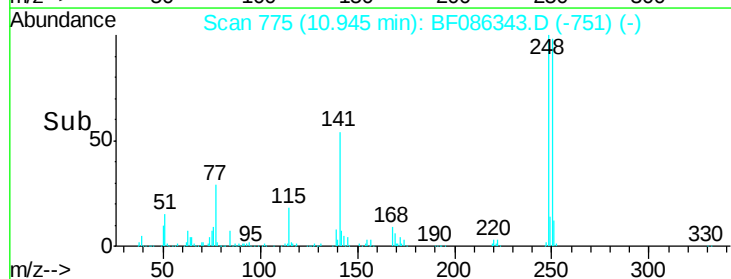
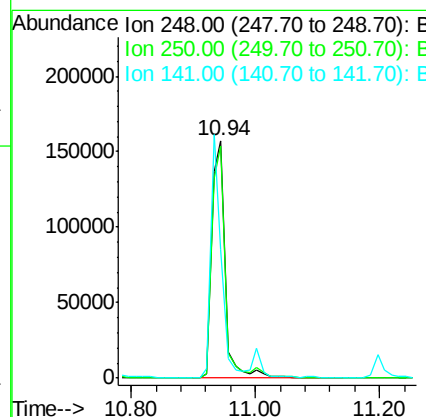
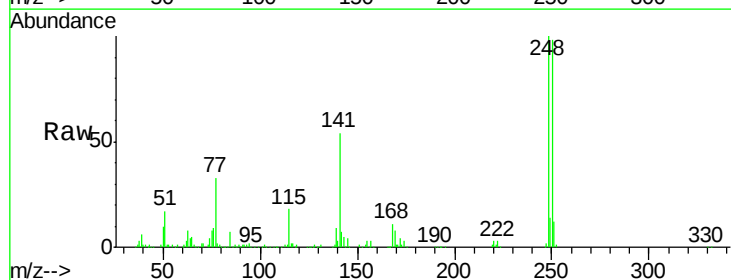
Instrument :
BNA_F
ClientSampleId :
B-931WB(N)(19)MSD

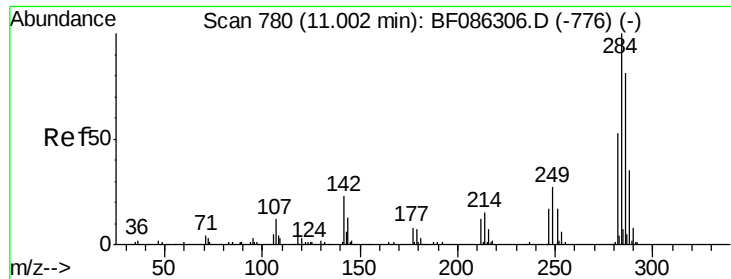
Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.5	54.3	81.5
167	36.7	30.2	45.2



#66
4-Bromophenyl-phenylether
Concen: 45.53 ng
RT: 10.94 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF086343.D
Acq: 21 Apr 2016 7:40

Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.6	118.0
141	54.2	57.9	86.9





#67

Hexachlorobenzene

Concen: 44.06 ng

RT: 11.00 min Scan# 780

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

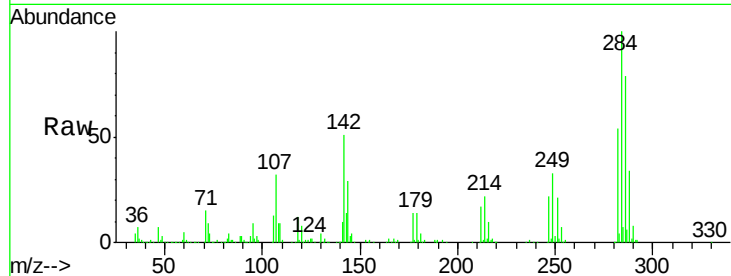
Tgt Ion:284 Resp: 228080

Ion Ratio Lower Upper

284 100

142 51.4 42.6 64.0

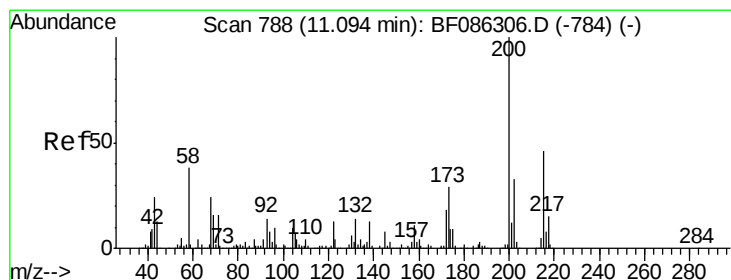
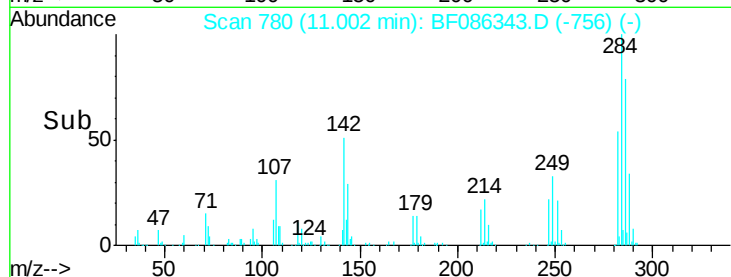
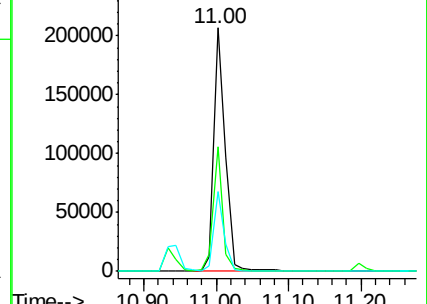
249 32.8 25.9 38.9



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: 37.10 ng

RT: 11.09 min Scan# 788

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

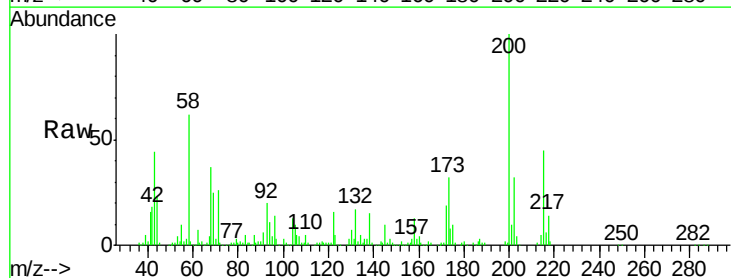
Tgt Ion:200 Resp: 180358

Ion Ratio Lower Upper

200 100

173 31.9 11.2 51.2

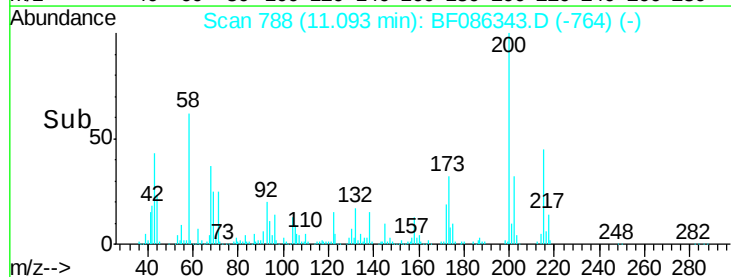
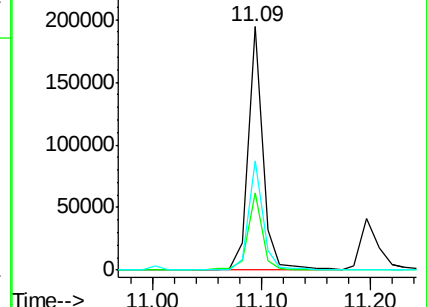
215 44.9 24.0 64.0

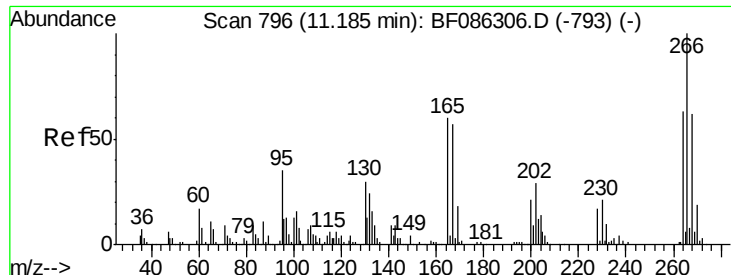


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

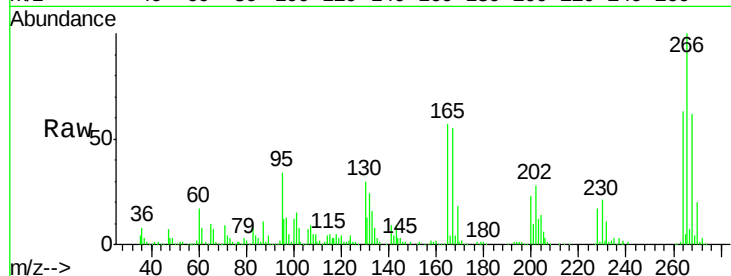




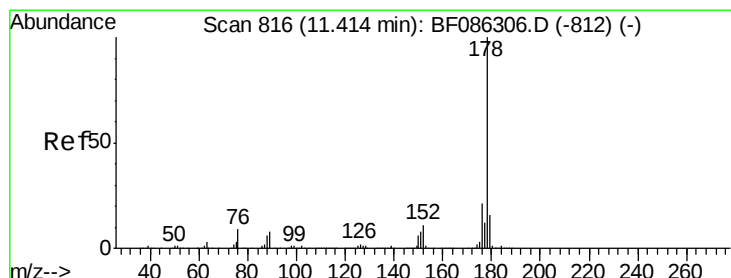
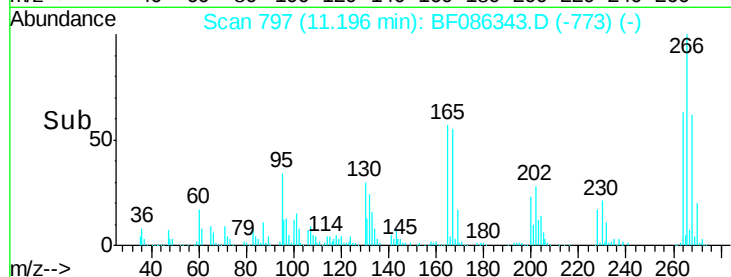
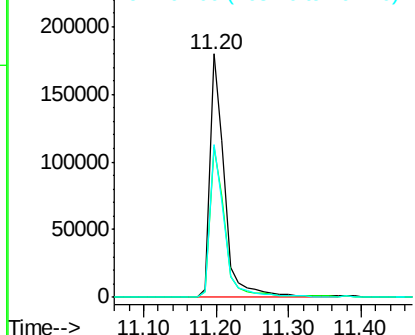
#69
 Pentachlorophenol
 Concen: 92.70 ng
 RT: 11.20 min Scan# 797
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Instrument :
 BNA_F
 ClientSampleId :
 B-931WB(N)(19)MSD

Tgt Ion:266 Resp: 251384
 Ion Ratio Lower Upper
 266 100
 268 61.7 53.0 79.4
 264 62.7 51.3 76.9

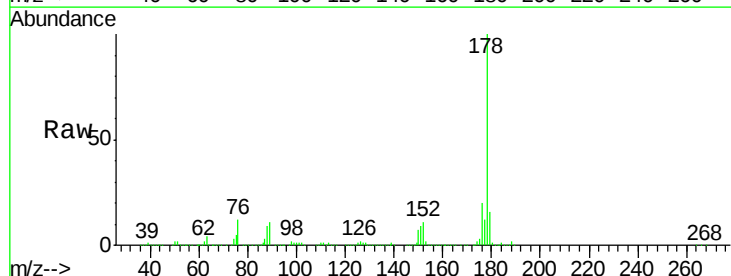


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

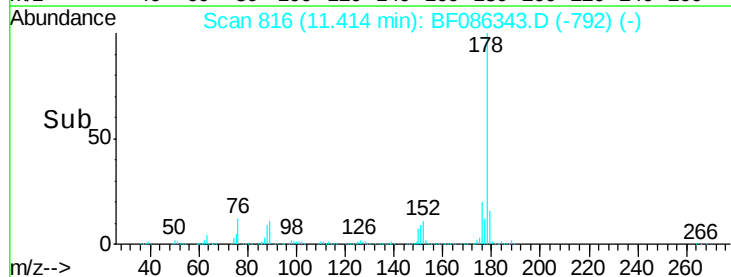
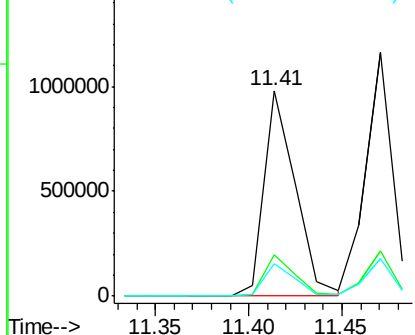


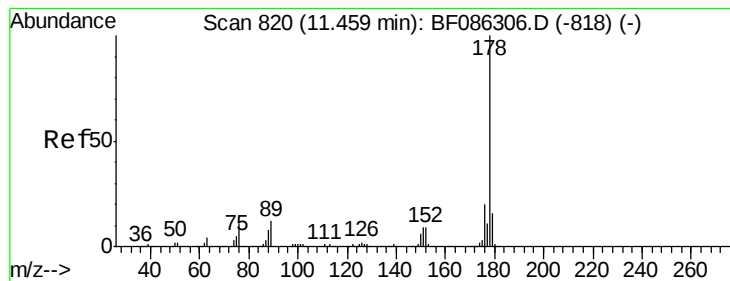
#70
 Phenanthrene
 Concen: 49.81 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Tgt Ion:178 Resp: 1133121
 Ion Ratio Lower Upper
 178 100
 176 19.9 16.3 24.5
 179 15.8 13.0 19.6



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: 51.50 ng

RT: 11.47 min Scan# 821

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

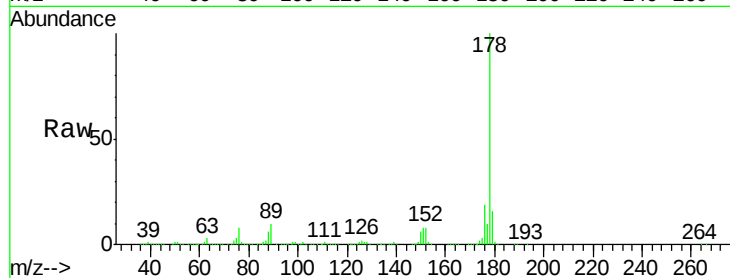
Tgt Ion:178 Resp: 1254554

Ion Ratio Lower Upper

178 100

176 18.7 16.2 24.4

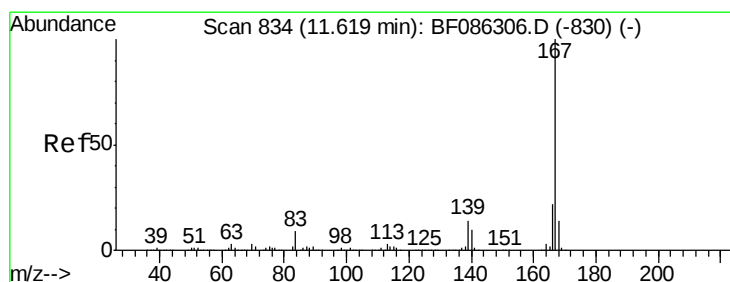
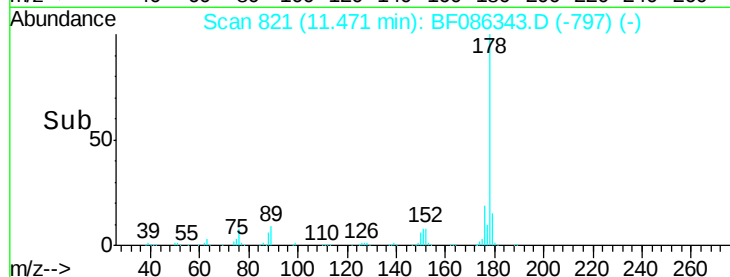
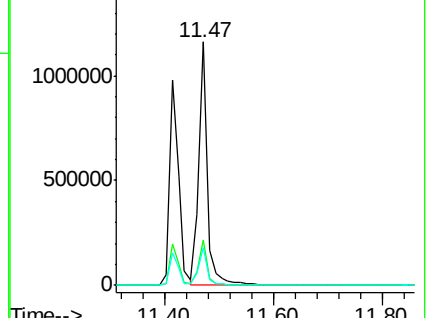
179 15.5 13.2 19.8



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



#72

Carbazole

Concen: 51.80 ng

RT: 11.62 min Scan# 834

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

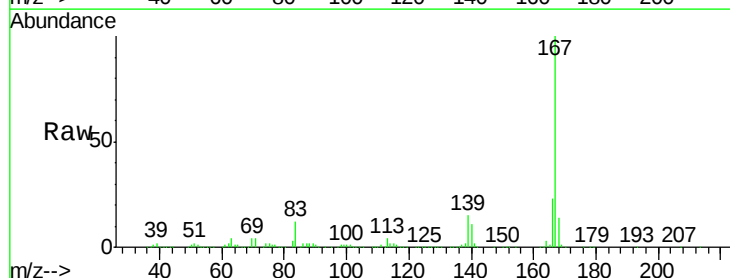
Tgt Ion:167 Resp: 1194086

Ion Ratio Lower Upper

167 100

166 22.6 18.3 27.5

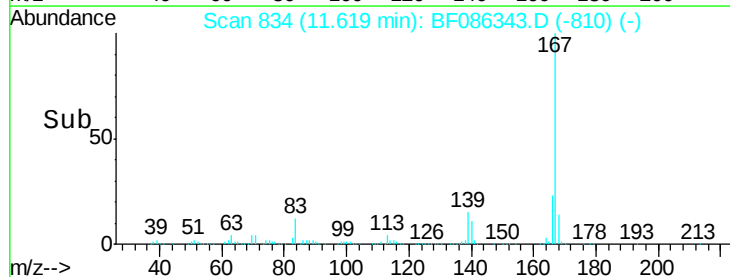
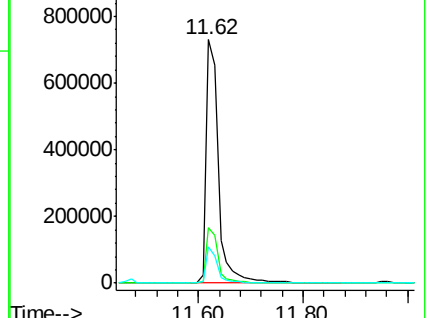
139 15.0 12.3 18.5

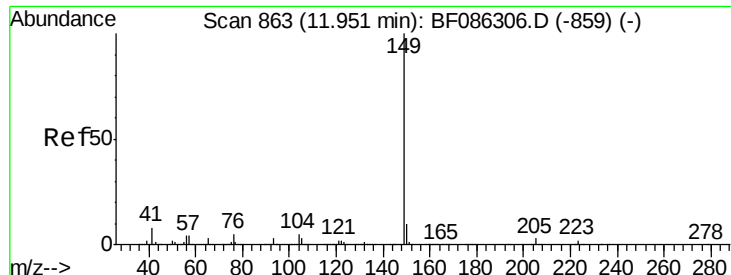


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 48.97 ng

RT: 11.95 min Scan# 863

Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

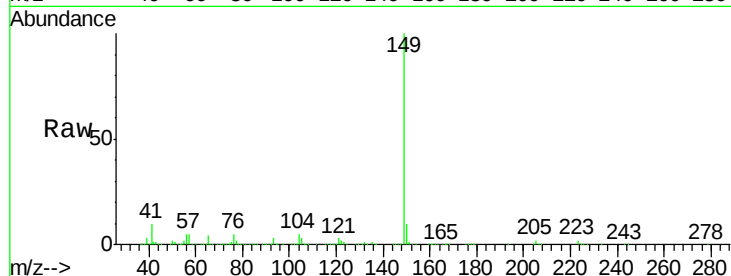
Tgt Ion:149 Resp: 1453583

Ion Ratio Lower Upper

149 100

150 9.8 7.8 11.8

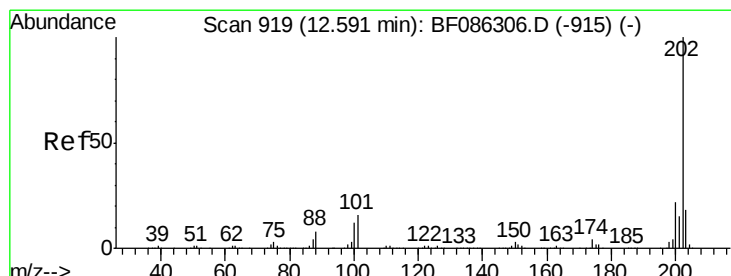
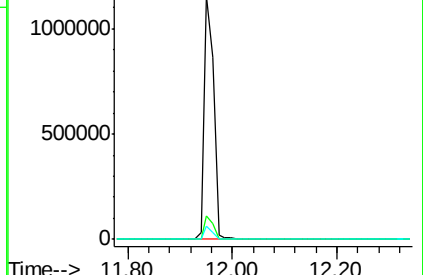
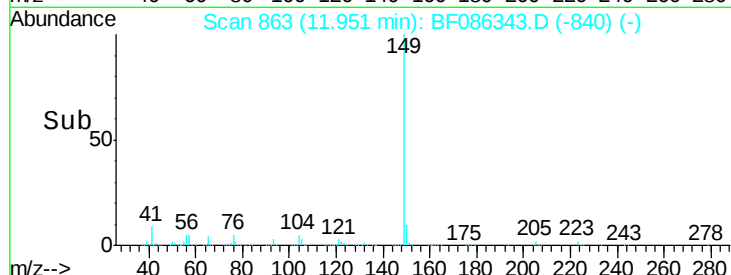
104 5.3 4.1 6.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 57.38 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

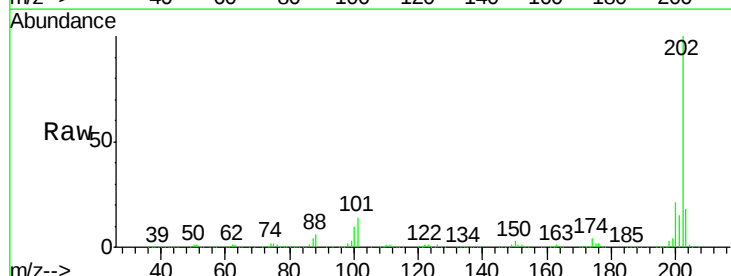
Tgt Ion:202 Resp: 1210093

Ion Ratio Lower Upper

202 100

101 14.2 0.0 35.2

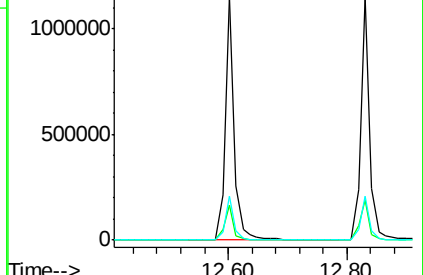
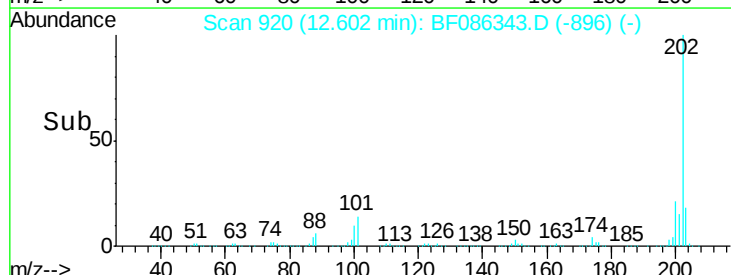
203 17.9 0.0 38.2

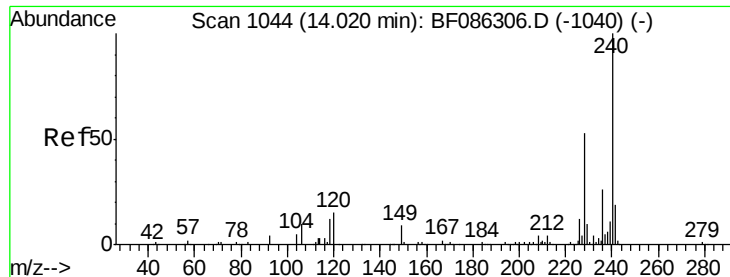


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

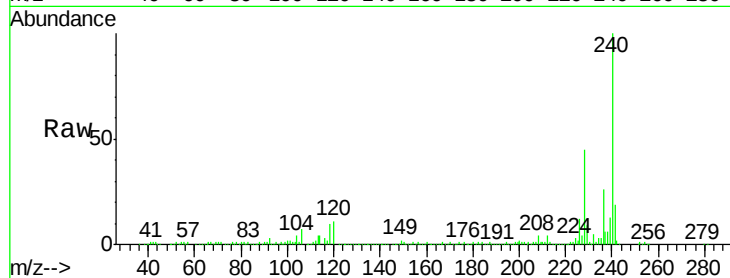
Tgt Ion:240 Resp: 332450

Ion Ratio Lower Upper

240 100

120 11.0 9.3 13.9

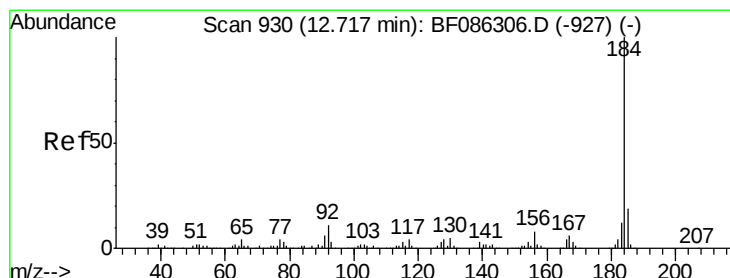
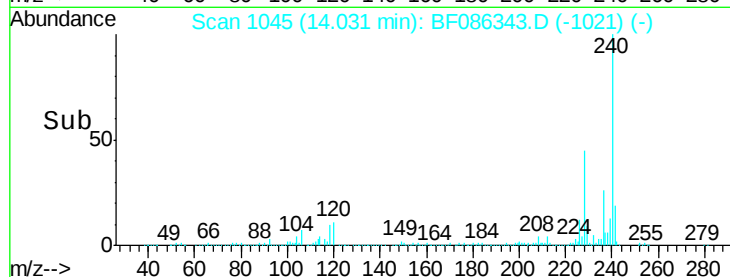
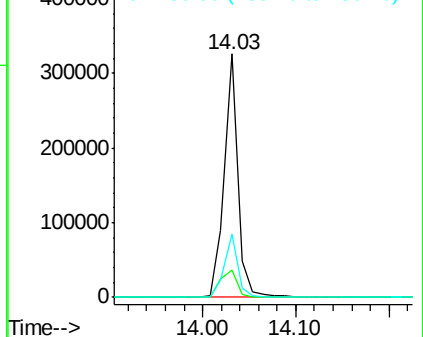
236 25.9 21.1 31.7



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: 41.02 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

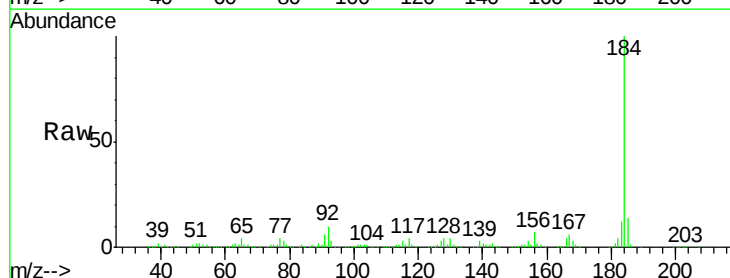
Tgt Ion:184 Resp: 602057

Ion Ratio Lower Upper

184 100

185 14.5 14.2 21.2

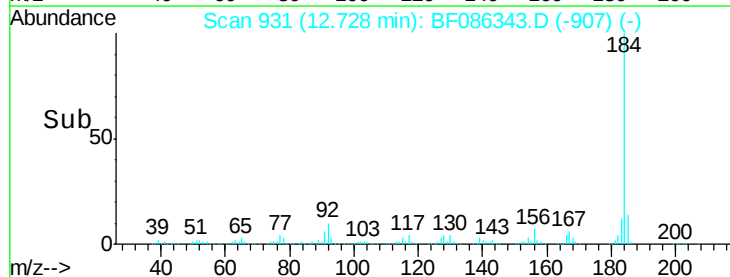
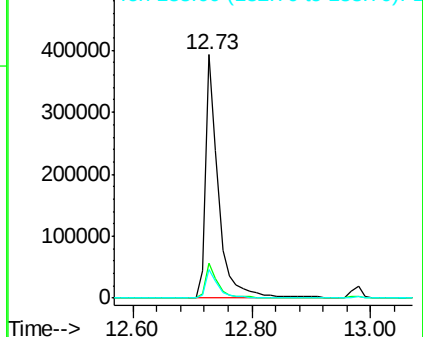
183 11.6 9.8 14.6

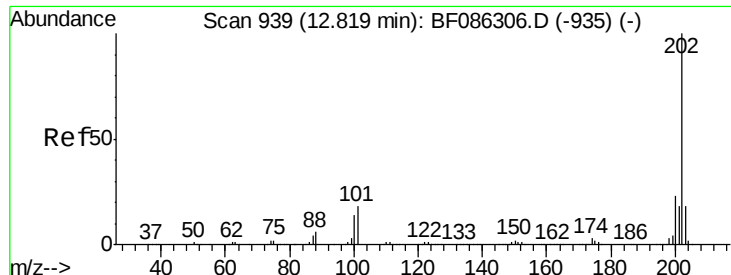


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

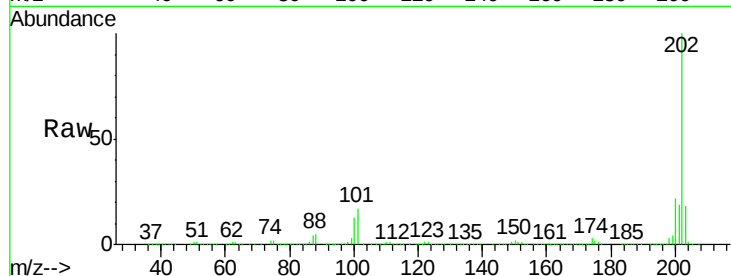




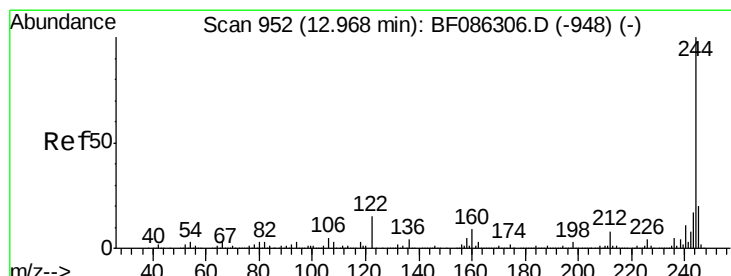
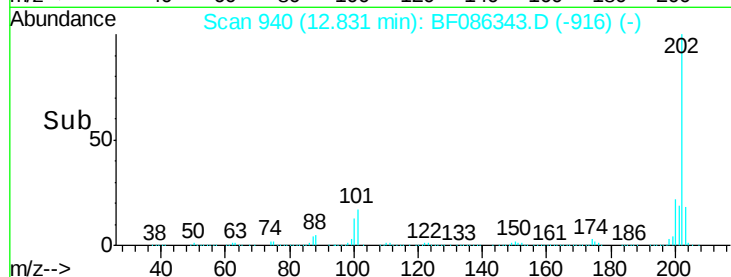
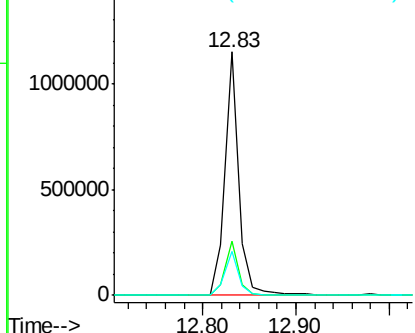
#77
 Pyrene
 Concen: 48.12 ng
 RT: 12.83 min Scan# 940
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Instrument :
 BNA_F
 ClientSampleId :
 B-931WB(N)(19)MSD

Tgt Ion:202 Resp: 1186646
 Ion Ratio Lower Upper
 202 100
 200 22.3 18.3 27.5
 203 18.0 14.9 22.3

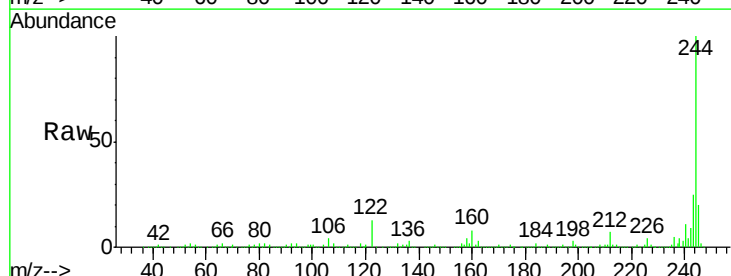


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

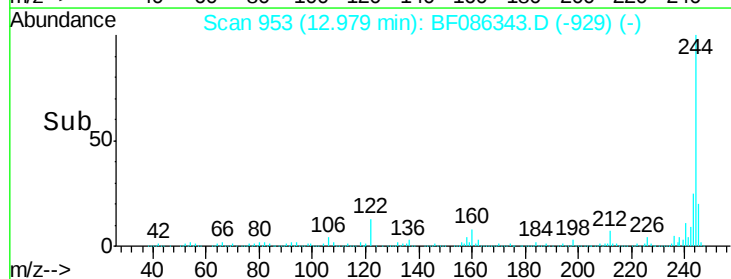
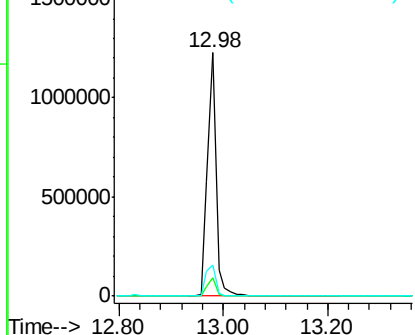


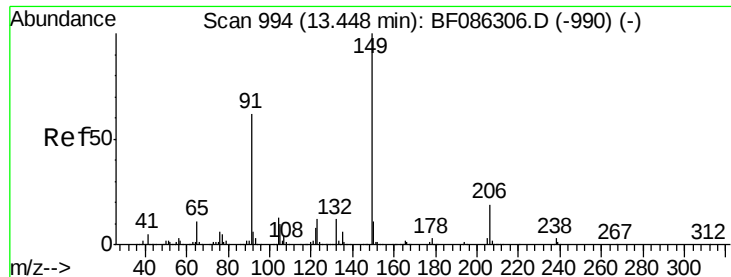
#78
 Terphenyl-d14
 Concen: 100.46 ng
 RT: 12.98 min Scan# 953
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Tgt Ion:244 Resp: 1403018
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.4 9.6
 122 12.7 11.7 17.5



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: 48.29 ng

RT: 13.45 min Scan# 994

Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

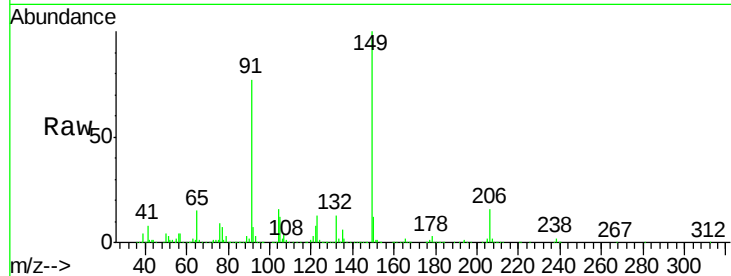
Tgt Ion:149 Resp: 628602

Ion Ratio Lower Upper

149 100

91 77.5 48.7 73.1#

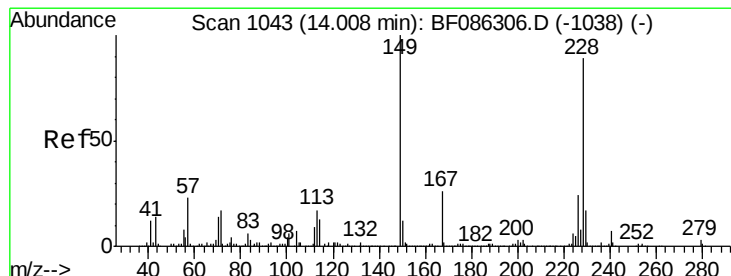
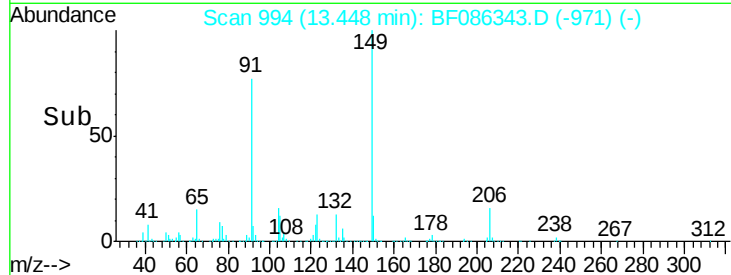
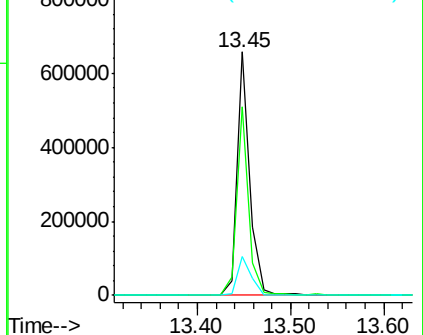
206 16.0 15.7 23.5



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: 47.10 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

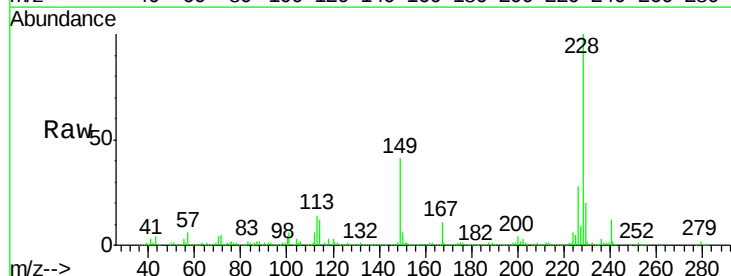
Tgt Ion:228 Resp: 824878

Ion Ratio Lower Upper

228 100

226 27.8 22.5 33.7

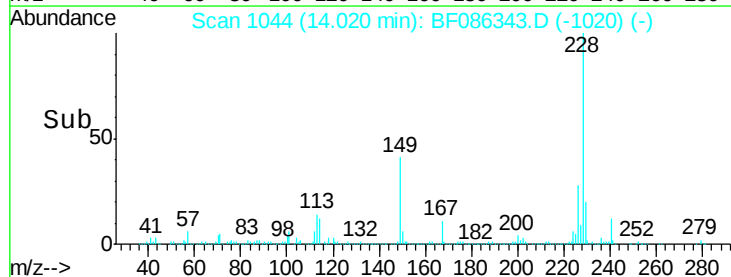
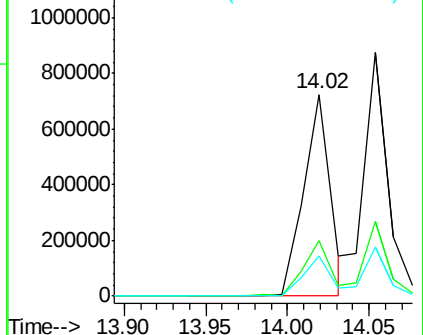
229 19.7 16.2 24.2

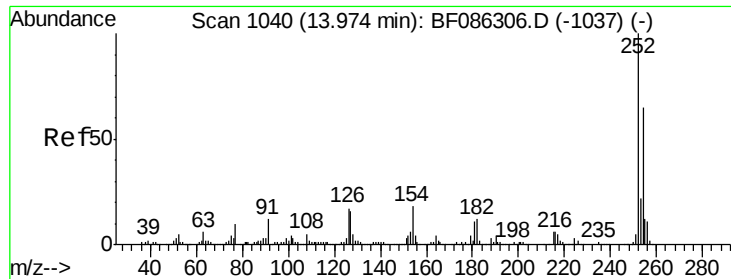


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

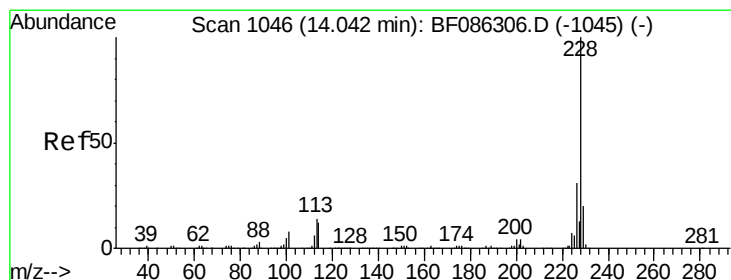
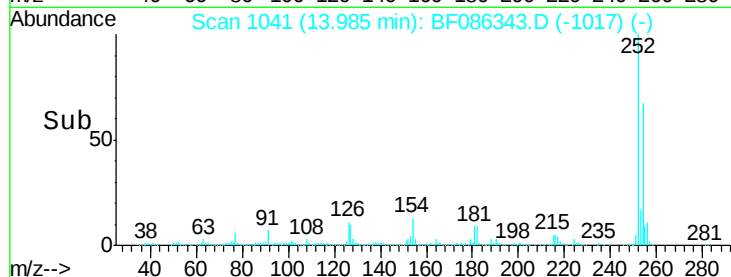
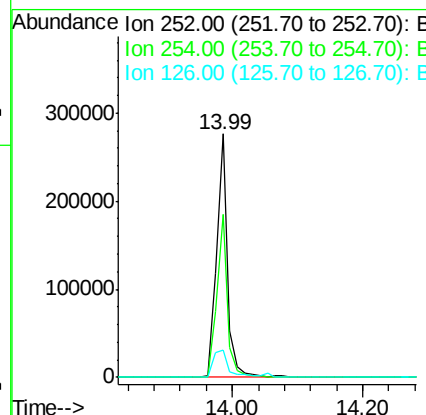
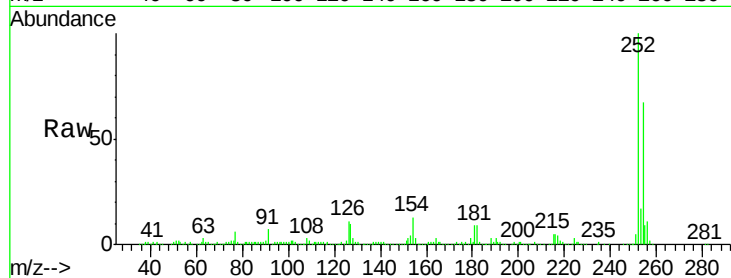




#81
 3,3'-Dichlorobenzidine
 Concen: 27.11 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

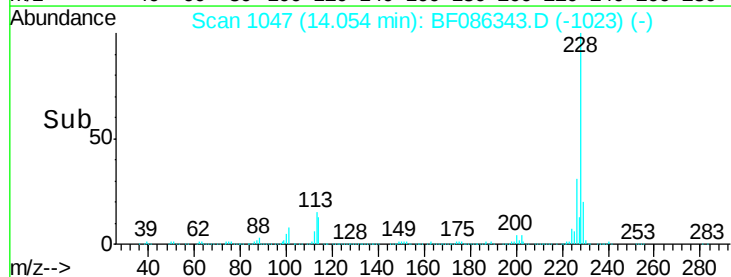
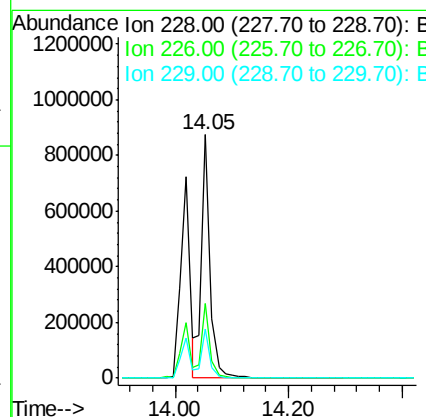
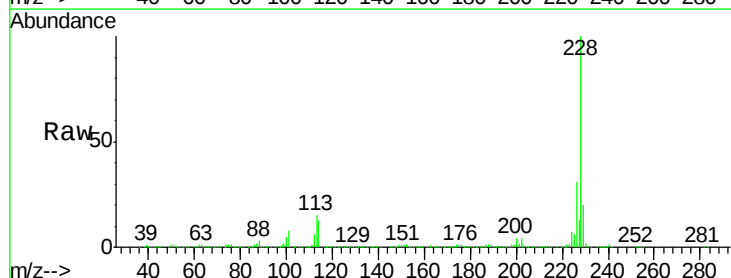
Instrument :
 BNA_F
 ClientSampleId :
 B-931WB(N)(19)MSD

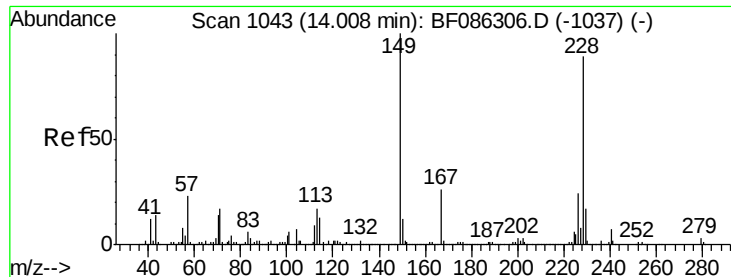
Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.7	52.1	78.1
126	11.3	13.2	19.8



#82
 Chrysene
 Concen: 48.04 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.02 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.4	38.2
229	19.9	16.5	24.7





#83

Bis(2-ethylhexyl)phthalate

Concen: 51.26 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

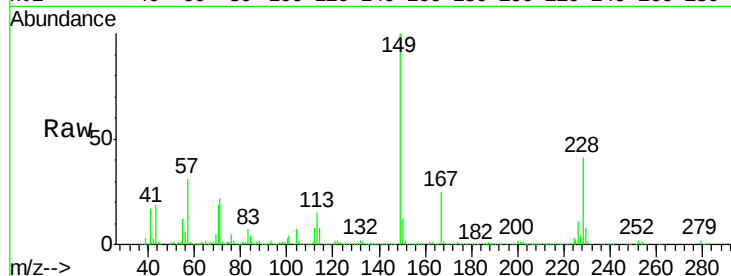
Tgt Ion:149 Resp: 781515

Ion Ratio Lower Upper

149 100

167 25.5 21.0 31.4

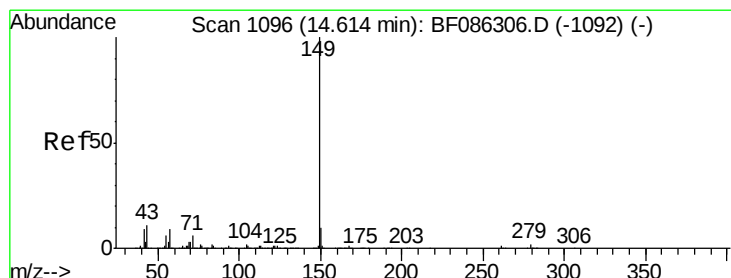
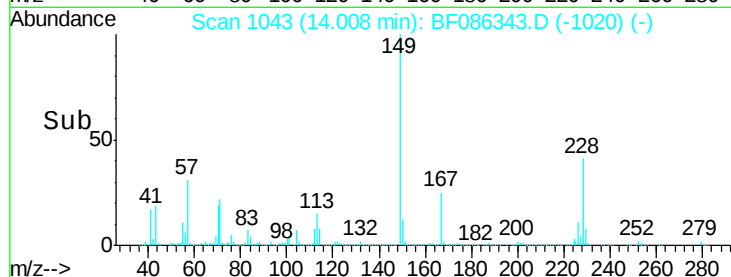
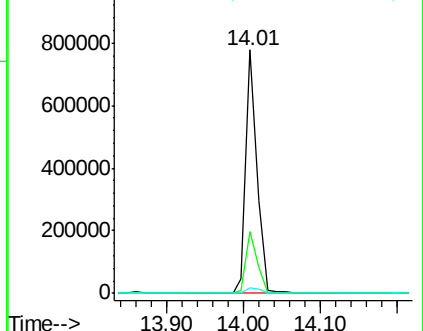
279 2.1 2.4 3.6#



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: 55.05 ng

RT: 14.63 min Scan# 1097

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

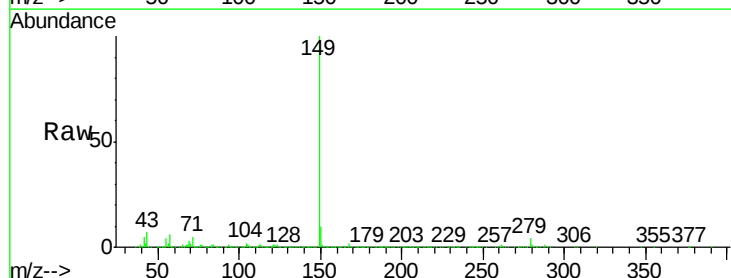
Tgt Ion:149 Resp: 1512606

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

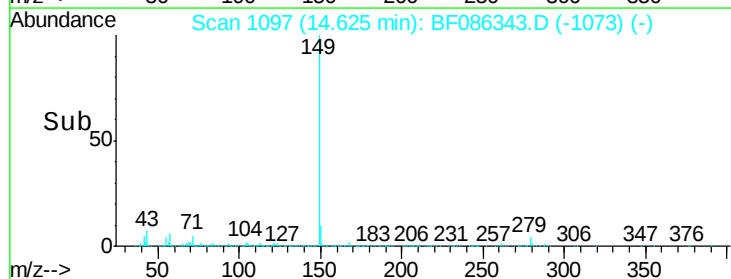
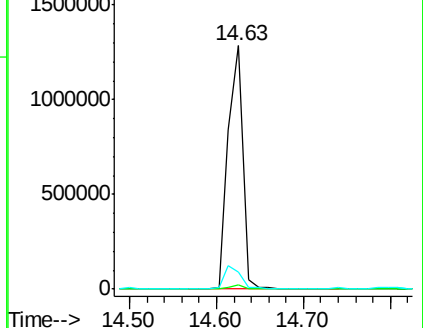
43 9.9 9.1 13.7

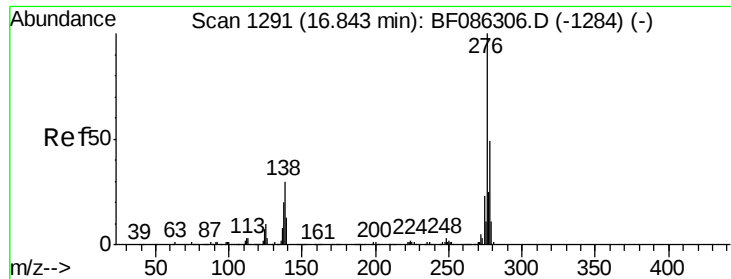


Abundance Ion 149.00 (148.70 to 149.70): E

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: 36.87 ng

RT: 16.87 min Scan# 1293

Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

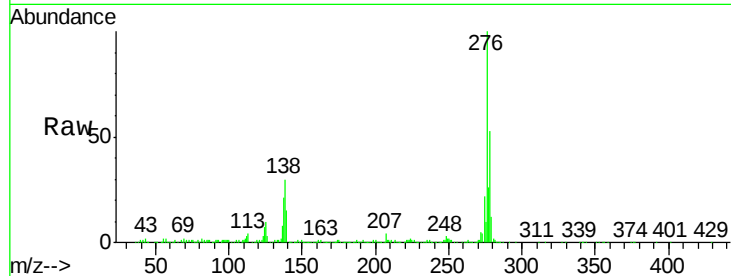
Tgt Ion: 276 Resp: 717564

Ion Ratio Lower Upper

276 100

138 32.1 23.8 35.6

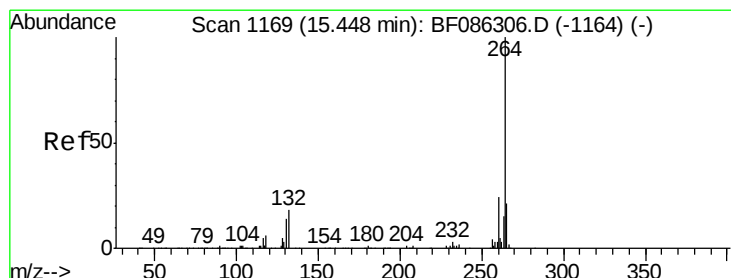
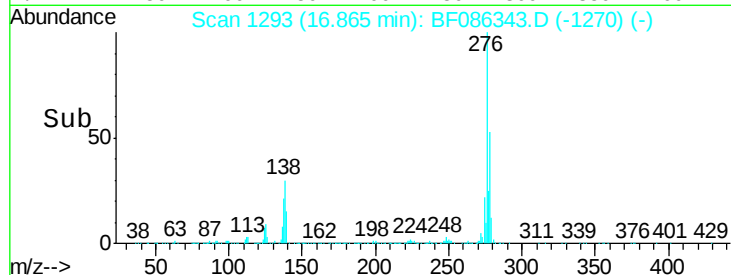
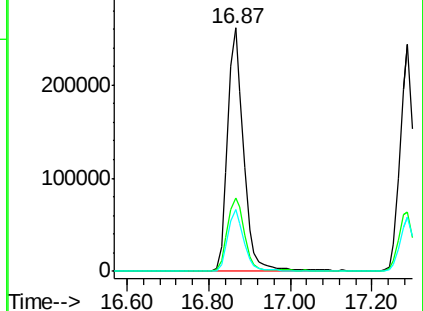
277 25.8 20.2 30.2



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: 15.46 min Scan# 1170

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

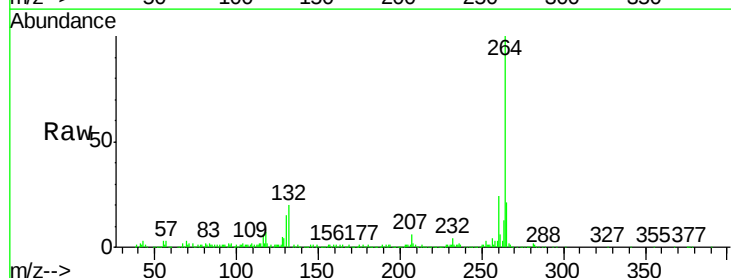
Tgt Ion: 264 Resp: 252402

Ion Ratio Lower Upper

264 100

260 24.2 20.0 30.0

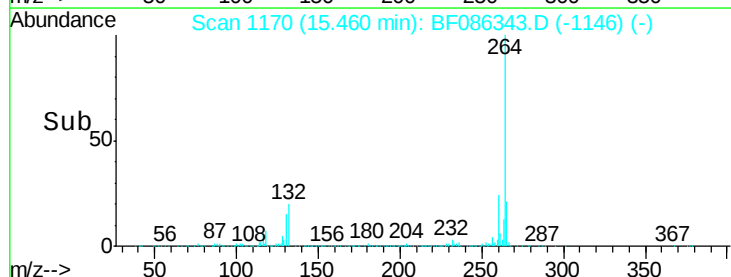
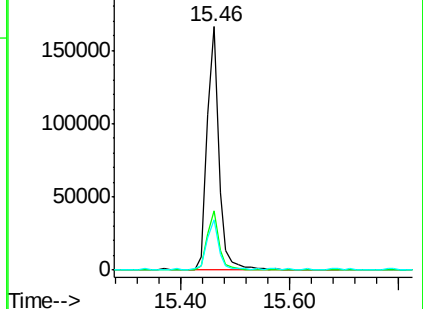
265 20.8 17.4 26.0

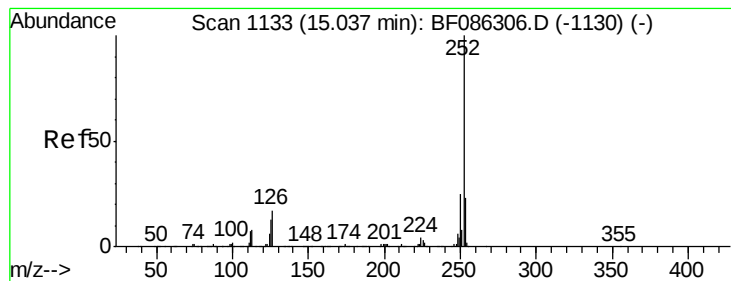


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 99.82 ng

RT: 15.05 min Scan# 1134

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

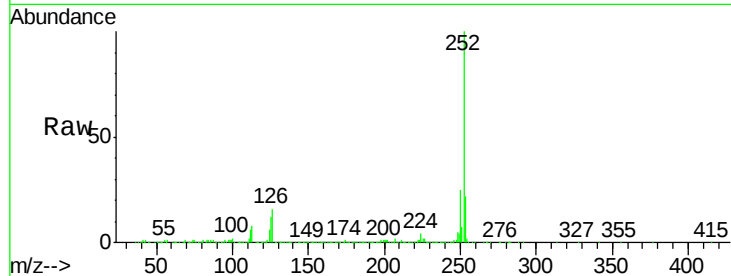
Tgt Ion:252 Resp: 1457289

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

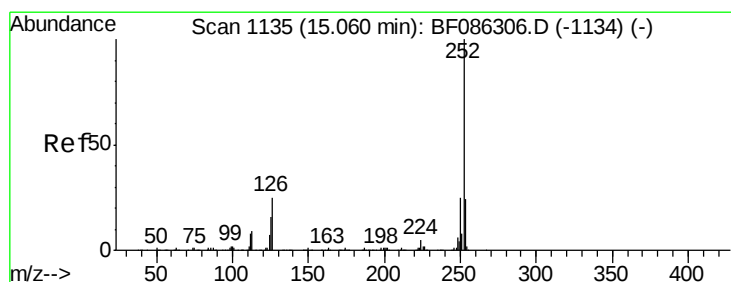
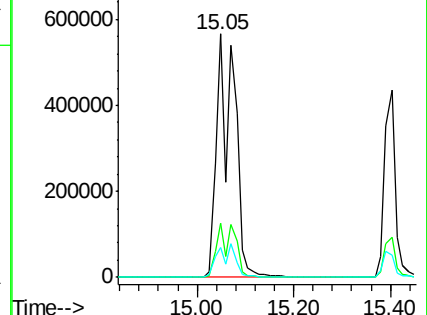
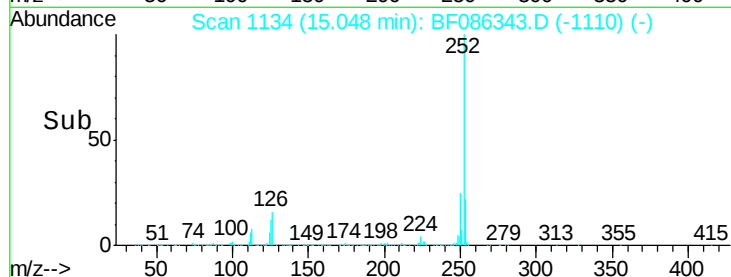
125 12.0 10.3 15.5



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



#88

Benzo(k)fluoranthene

Concen: 118.61 ng

RT: 15.05 min Scan# 1134

Delta R.T. -0.06 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

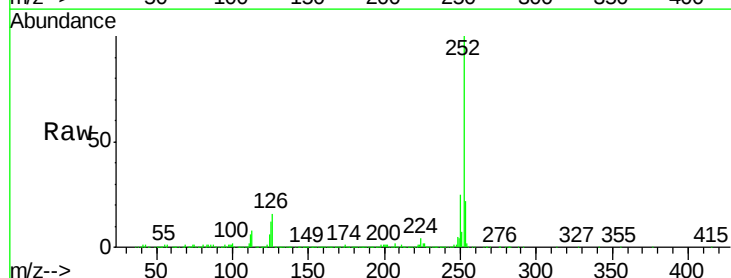
Tgt Ion:252 Resp: 1457732

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

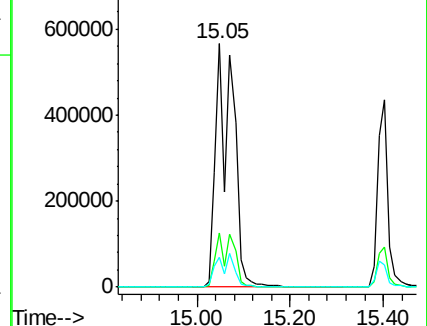
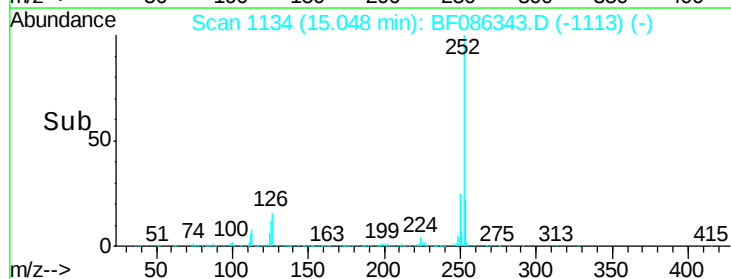
125 12.0 7.8 11.6#

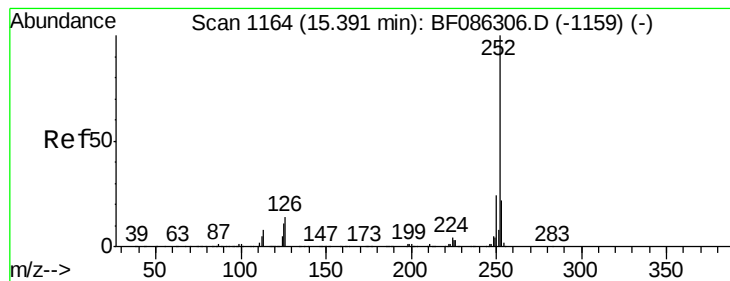


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 50.53 ng

RT: 15.40 min Scan# 1165

Delta R.T. -0.02 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

Instrument :

BNA_F

ClientSampleId :

B-931WB(N)(19)MSD

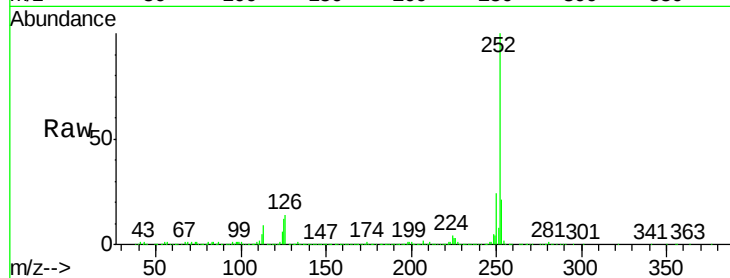
Tgt Ion:252 Resp: 679849

Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.8

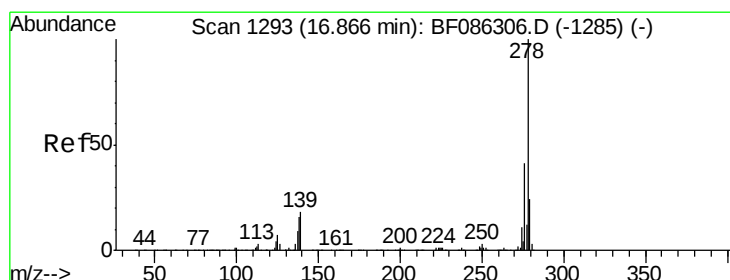
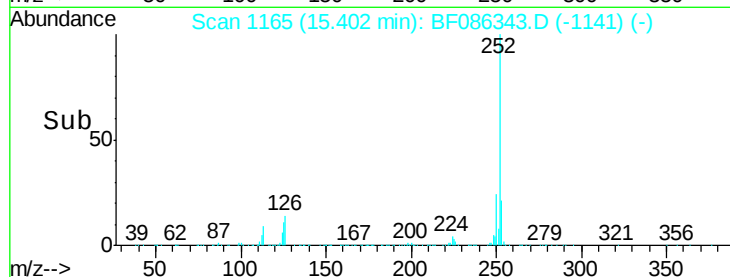
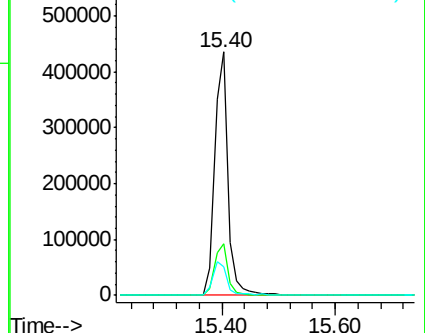
125 11.5 11.2 16.8



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: 51.74 ng

RT: 16.88 min Scan# 1294

Delta R.T. -0.03 min

Lab File: BF086343.D

Acq: 21 Apr 2016 7:40

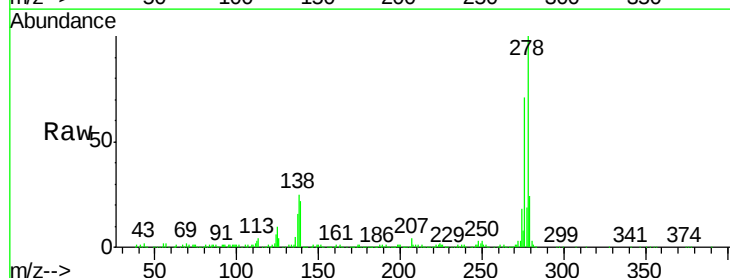
Tgt Ion:278 Resp: 607691

Ion Ratio Lower Upper

278 100

139 22.4 15.3 22.9

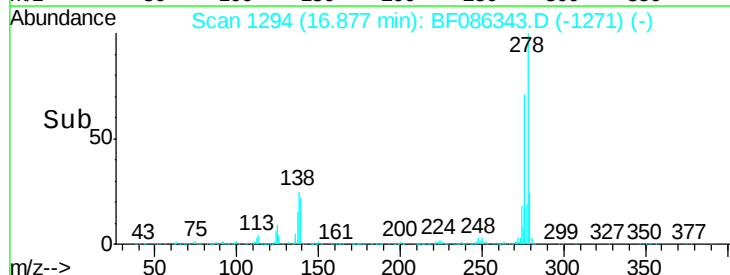
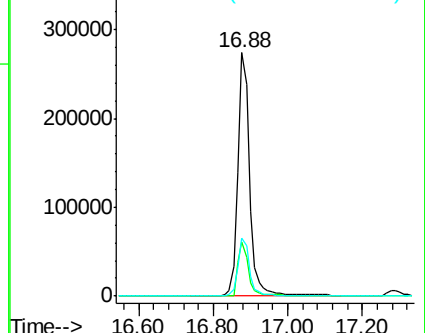
279 23.9 19.1 28.7

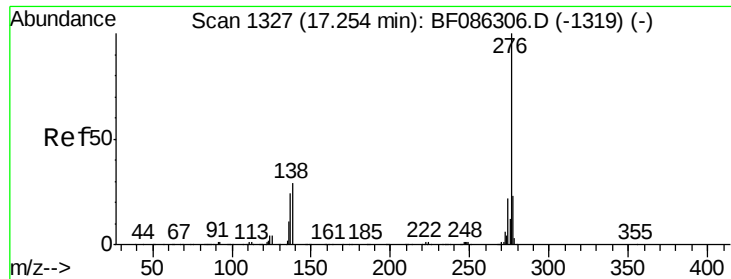


Abundance Ion 278.00 (277.70 to 278.70): E

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: 53.14 ng
 RT: 17.29 min Scan# 1330
 Delta R.T. -0.03 min
 Lab File: BF086343.D
 Acq: 21 Apr 2016 7:40

Instrument :
 BNA_F
 ClientSampleId :
 B-931WB(N)(19)MSD

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	25.9	19.6	29.4

