

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042016\
 Data File : BF086311.D
 Acq On : 20 Apr 2016 16:21
 Operator : UM/SJ
 Sample : PB89932BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB89932BS

Quant Time: Apr 21 00:53:28 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	264829	20.00	ng	-0.03
21) Naphthalene-d8	8.14	136	1069378	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	479702	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	793316	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	430611	20.00	ng	-0.03
86) Perylene-d12	15.44	264	451300	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	1694658	111.65	ng	-0.01
7) Phenol-d6	6.50	99	2131676	107.32	ng	-0.02
23) Nitrobenzene-d5	7.42	82	1487606	79.67	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	427821	114.42	ng	-0.03
44) 2-Fluorobiphenyl	9.23	172	2231164	90.10	ng	-0.03
78) Terphenyl-d14	12.97	244	1434805	79.31	ng	-0.03

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.56	88	259389	31.55	ng	98
3) Pyridine	3.28	79	690265	32.79	ng	97
4) n-Nitrosodimethylamine	3.22	42	270996	37.36	ng	# 70
6) Aniline	6.53	93	389752	14.58	ng	# 89
8) 2-Chlorophenol	6.65	128	665071	36.89	ng	90
9) Benzaldehyde	6.41	77	162523	11.54	ng	97
10) Phenol	6.51	94	871345	38.28	ng	99
11) bis(2-Chloroethyl)ether	6.60	93	733835	36.91	ng	90
12) 1,3-Dichlorobenzene	6.88	146	742417	37.53	ng	99
13) 1,4-Dichlorobenzene	6.88	146	752745	35.61	ng	99
14) 1,2-Dichlorobenzene	7.04	146	679755	36.25	ng	98
15) Benzyl Alcohol	7.01	79	499976	40.51	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.15	45	1062573	37.98	ng	92
17) 2-Methylphenol	7.12	107	583173	38.70	ng	99
18) Hexachloroethane	7.38	117	257315	40.84	ng	100
19) n-Nitroso-di-n-propylamine	7.28	70	452105	37.58	ng	# 82
20) 3+4-Methylphenols	7.28	107	645321	39.48	ng	# 79
22) Acetophenone	7.28	105	888410	39.55	ng	# 88
24) Nitrobenzene	7.45	77	740977	37.09	ng	98
25) Isophorone	7.69	82	1354738	38.29	ng	99
26) 2-Nitrophenol	7.77	139	390071	43.66	ng	# 76
27) 2,4-Dimethylphenol	7.80	122	676496	38.60	ng	96
28) bis(2-Chloroethoxy)methane	7.90	93	892221	43.12	ng	99
29) 2,4-Dichlorophenol	8.01	162	587226	42.49	ng	97
30) 1,2,4-Trichlorobenzene	8.09	180	573603	38.48	ng	99
31) Naphthalene	8.17	128	1960159	38.45	ng	99
32) Benzoic acid	7.93	122	406131	39.00	ng	96
33) 4-Chloroaniline	8.22	127	184387	8.74	ng	93
34) Hexachlorobutadiene	8.29	225	285515	38.00	ng	99
35) Caprolactam	8.59	113	191241	42.73	ng	# 69
36) 4-Chloro-3-methylphenol	8.70	107	619204	39.85	ng	95
37) 2-Methylnaphthalene	8.86	142	1269859	40.34	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.02	216	467912	36.65	ng	96
40) Hexachlorocyclopentadiene	9.01	237	309780	98.34	ng	99

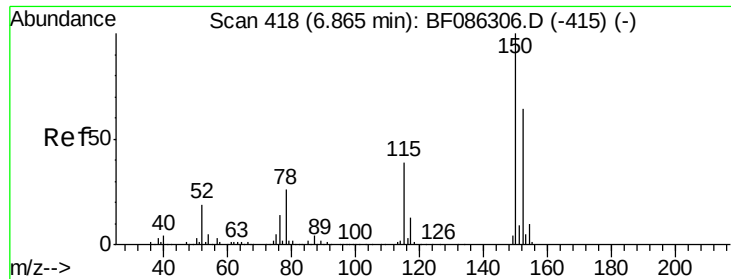
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042016\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.14	196	346473	39.12	ng	97
43) 2,4,5-Trichlorophenol	9.18	196	412605	42.77	ng	# 91
45) 1,1'-Biphenyl	9.33	154	1481051	39.31	ng	95
46) 2-Chloronaphthalene	9.36	162	1167095	40.88	ng	93
47) 2-Nitroaniline	9.45	65	401122	41.34	ng	86
48) Acenaphthylene	9.77	152	1805720	40.51	ng	99
49) Dimethylphthalate	9.63	163	1365151	37.38	ng	99
50) 2,6-Dinitrotoluene	9.69	165	298035	39.66	ng	# 72
51) Acenaphthene	9.94	154	1139732	43.58	ng	98
52) 3-Nitroaniline	9.86	138	150798	15.78	ng	86
53) 2,4-Dinitrophenol	9.96	184	189538	117.43	ng	90
54) Dibenzofuran	10.11	168	1520536	42.76	ng	95
55) 4-Nitrophenol	10.02	139	478020	80.66	ng	89
56) 2,4-Dinitrotoluene	10.09	165	375530	40.20	ng	# 64
57) Fluorene	10.45	166	1100220	41.76	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.22	232	285220	44.06	ng	# 99
59) Diethylphthalate	10.33	149	1302030	36.54	ng	98
60) 4-Chlorophenyl-phenylether	10.44	204	461379	37.81	ng	92
61) 4-Nitroaniline	10.48	138	298891	33.41	ng	# 81
62) Azobenzene	10.60	77	1442605	41.06	ng	96
64) 4,6-Dinitro-2-methylphenol	10.50	198	133478	52.81	ng	# 62
65) n-Nitrosodiphenylamine	10.57	169	1062668	40.66	ng	99
66) 4-Bromophenyl-phenylether	10.93	248	318410	37.35	ng	# 90
67) Hexachlorobenzene	11.00	284	335738	39.24	ng	# 70
68) Atrazine	11.09	200	326246	40.61	ng	96
69) Pentachlorophenol	11.20	266	356540	79.56	ng	97
70) Phenanthrene	11.41	178	1564812	41.62	ng	99
71) Anthracene	11.46	178	1583913	39.34	ng	99
72) Carbazole	11.62	167	1574068	41.32	ng	98
73) Di-n-butylphthalate	11.95	149	1922086	39.18	ng	100
74) Fluoranthene	12.59	202	1322786	37.95	ng	100
76) Benzidine	12.72	184	497471	26.17	ng	97
77) Pyrene	12.82	202	1288017	40.32	ng	99
79) Butylbenzylphthalate	13.45	149	734238	43.54	ng	99
80) Benzo(a)anthracene	14.01	228	994554	43.85	ng	99
81) 3,3'-Dichlorobenzidine	13.97	252	282764	18.02	ng	# 97
82) Chrysene	14.04	228	890458	36.32	ng	99
83) Bis(2-ethylhexyl)phthalate	14.01	149	805761	40.81	ng	99
84) Di-n-octyl phthalate	14.61	149	1486661	41.78	ng	98
85) Indeno(1,2,3-cd)pyrene	16.84	276	1046555	41.51	ng	97
87) Benzo(b)fluoranthene	15.04	252	1065511	40.82	ng	99
88) Benzo(k)fluoranthene	15.04	252	1065511	48.49	ng	# 98
89) Benzo(a)pyrene	15.39	252	1005038	41.77	ng	# 96
90) Dibenzo(a,h)anthracene	16.87	278	876416	41.73	ng	99
91) Benzo(g,h,i)perylene	17.27	276	844265	41.93	ng	97

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

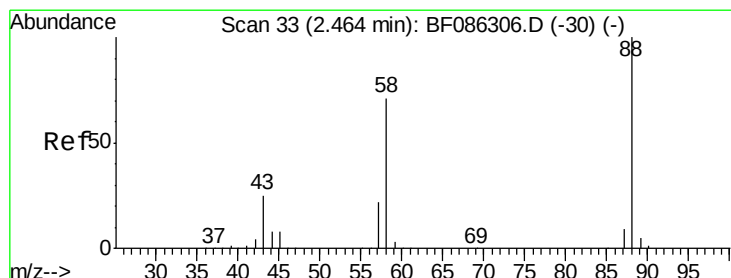
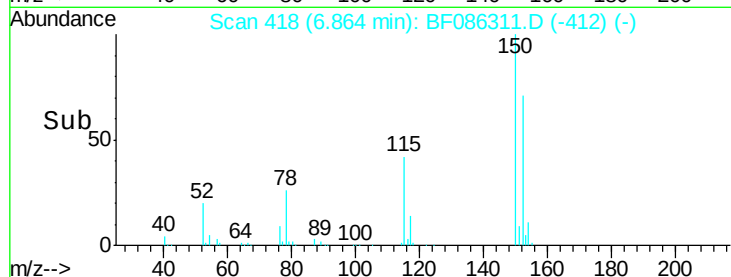
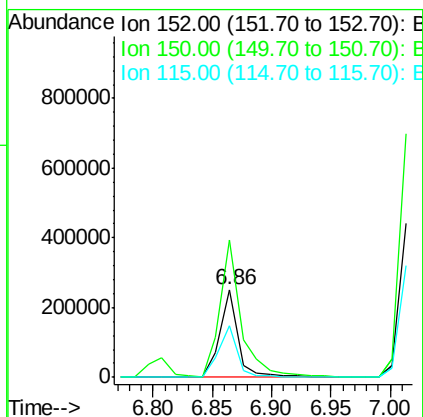
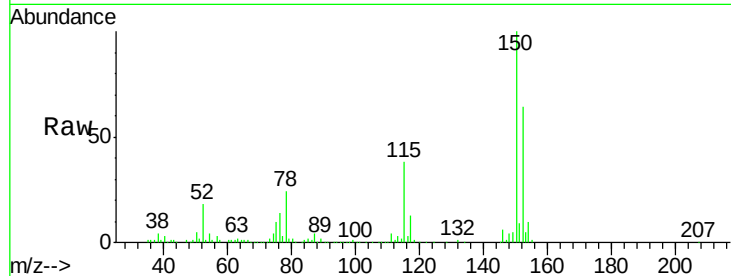


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 418
Delta R.T. -0.03 min
Lab File: BF086311.D
Acq: 20 Apr 2016 16:21

Instrument :
BNA_F
ClientSampleId :
PB89932BS

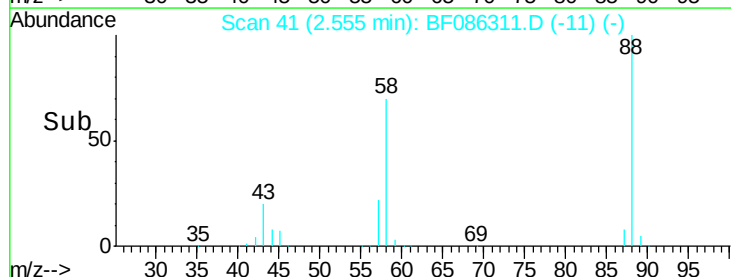
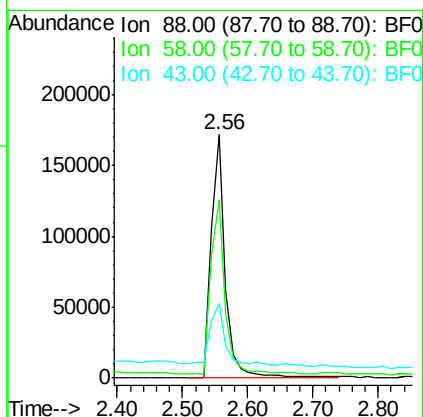
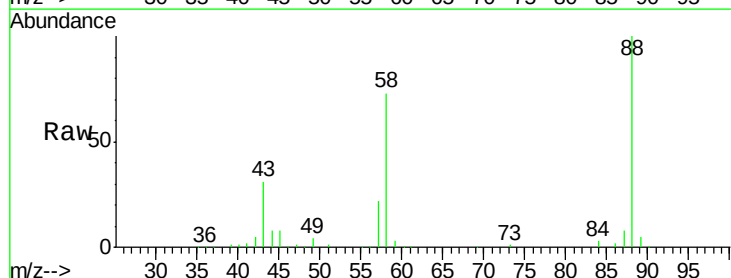
Tgt Ion:152 Resp: 264829
Ion Ratio Lower Upper
152 100
150 157.2 124.1 186.1
115 59.1 43.9 65.9

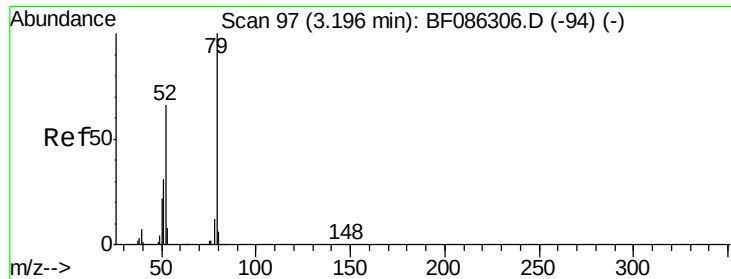


#2

1,4-Dioxane
Concen: 31.55 ng
RT: 2.56 min Scan# 41
Delta R.T. 0.05 min
Lab File: BF086311.D
Acq: 20 Apr 2016 16:21

Tgt Ion: 88 Resp: 259389
Ion Ratio Lower Upper
88 100
58 72.1 58.4 87.6
43 26.3 23.3 34.9





#3

Pyridine

Concen: 32.79 ng

RT: 3.28 min Scan# 104

Delta R.T. 0.02 min

Lab File: BF086311.D

Acq: 20 Apr 2016 16:21

Instrument :

BNA_F

ClientSampleId :

PB89932BS

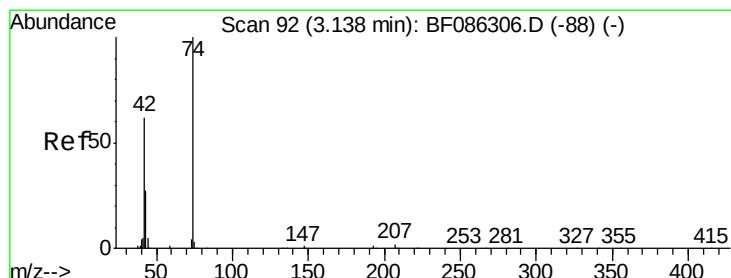
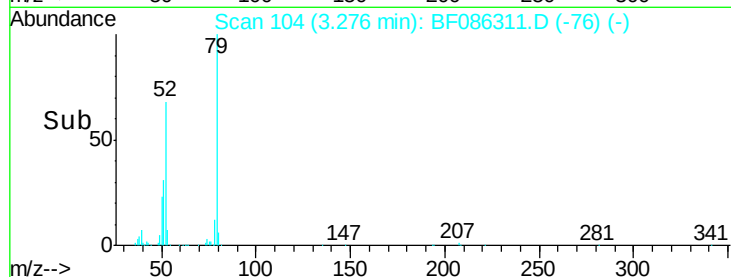
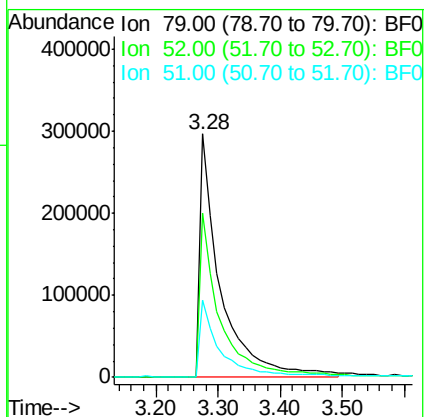
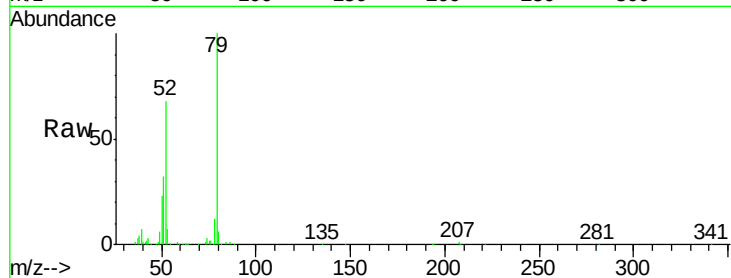
Tgt Ion: 79 Resp: 690265

Ion Ratio Lower Upper

79 100

52 67.6 55.4 83.2

51 31.7 28.1 42.1



#4

n-Nitrosodimethylamine

Concen: 37.36 ng

RT: 3.22 min Scan# 99

Delta R.T. 0.02 min

Lab File: BF086311.D

Acq: 20 Apr 2016 16:21

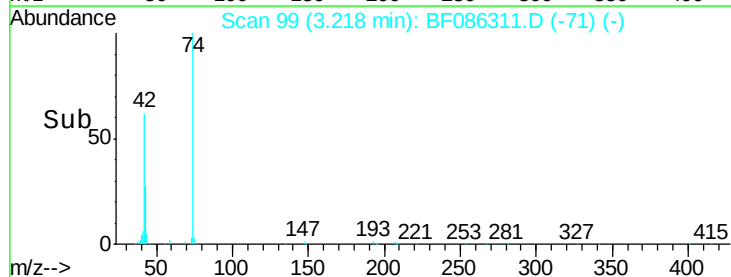
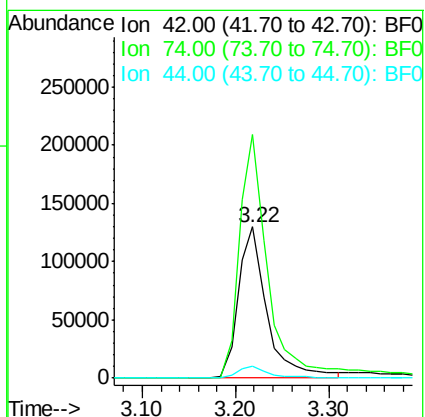
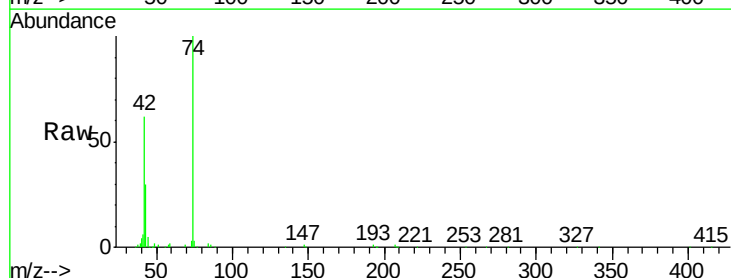
Tgt Ion: 42 Resp: 270996

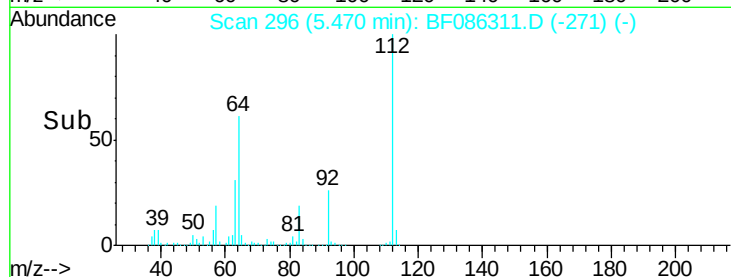
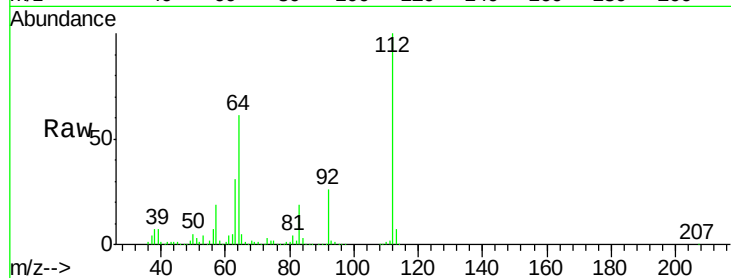
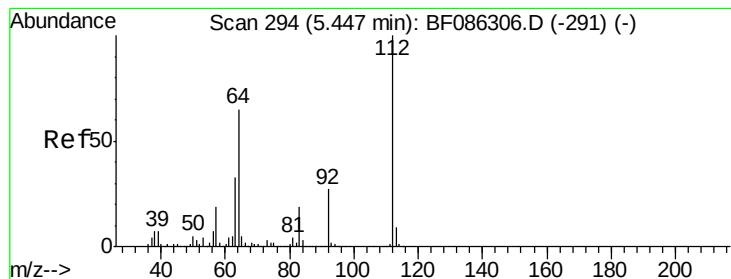
Ion Ratio Lower Upper

42 100

74 161.4 100.5 150.7#

44 7.9 5.4 8.0





#5

2-Fluorophenol

Concen: 111.65 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.01 min

Lab File: BF086311.D

Acq: 20 Apr 2016 16:21

Instrument :

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ClientSampleId :

PB89932BS

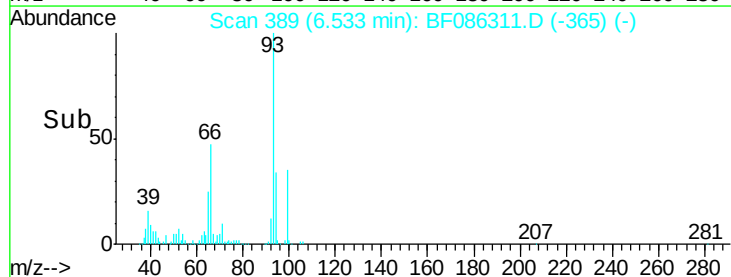
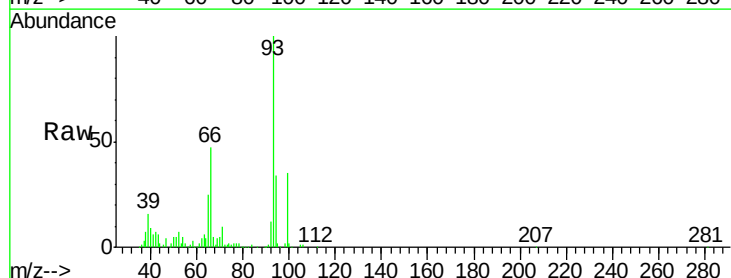
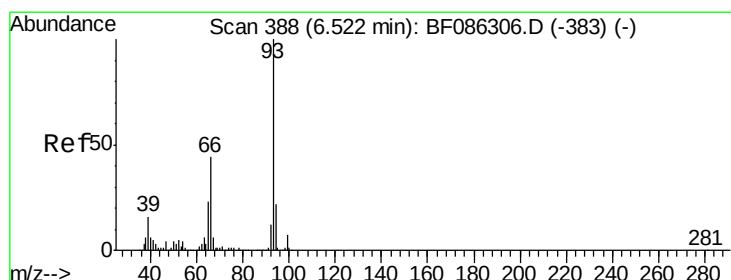
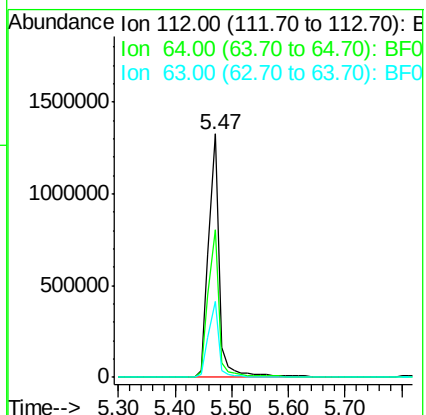
Tgt Ion:112 Resp: 1694658

Ion Ratio Lower Upper

112 100

64 60.9 48.1 72.1

63 31.2 25.5 38.3



#6

Aniline

Concen: 14.58 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.02 min

Lab File: BF086311.D

Acq: 20 Apr 2016 16:21

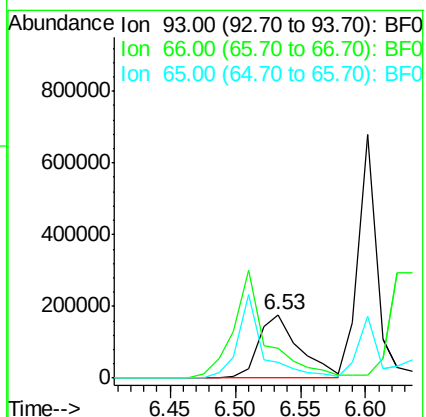
Tgt Ion: 93 Resp: 389752

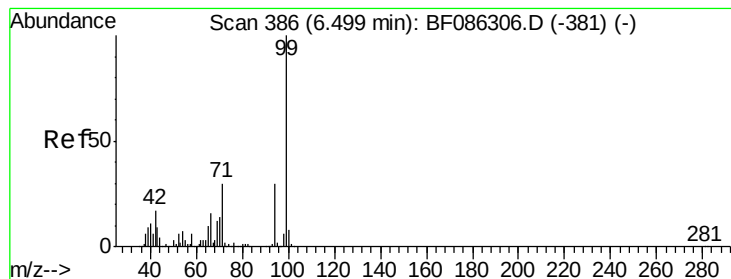
Ion Ratio Lower Upper

93 100

66 47.0 32.2 48.2

65 25.0 16.4 24.6#





#7

Phenol-d6

Concen: 107.32 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF086311.D

Acq: 20 Apr 2016 16:21

Instrument :

BNA_F

ClientSampleId :

PB89932BS

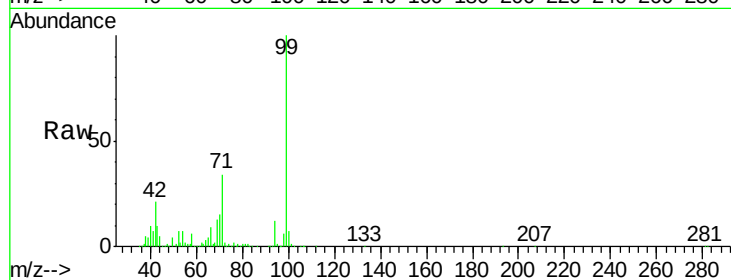
Tgt Ion: 99 Resp: 2131676

Ion Ratio Lower Upper

99 100

42 20.7 15.4 23.2

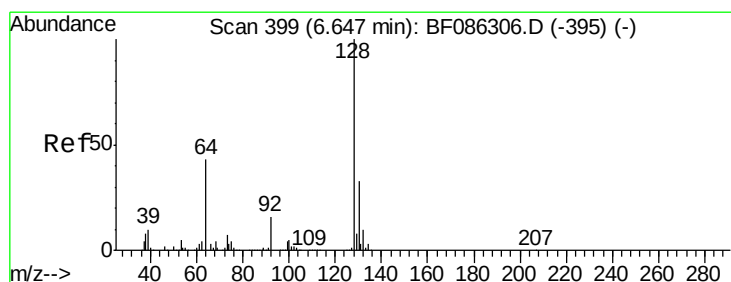
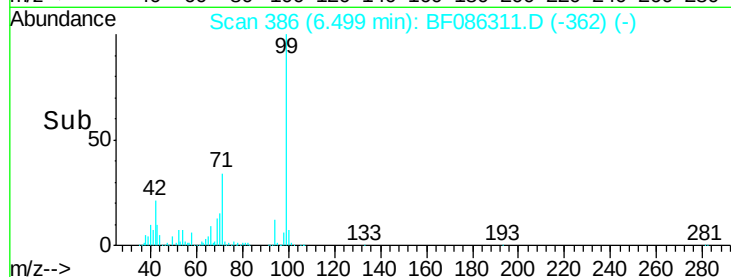
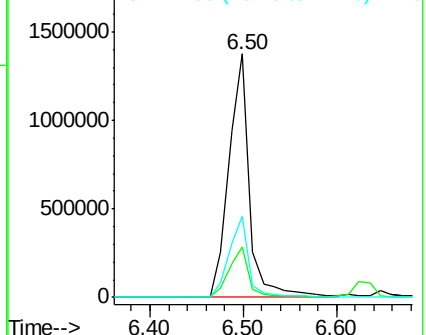
71 33.5 25.6 38.4



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: 36.89 ng

RT: 6.65 min Scan# 399

Delta R.T. -0.02 min

Lab File: BF086311.D

Acq: 20 Apr 2016 16:21

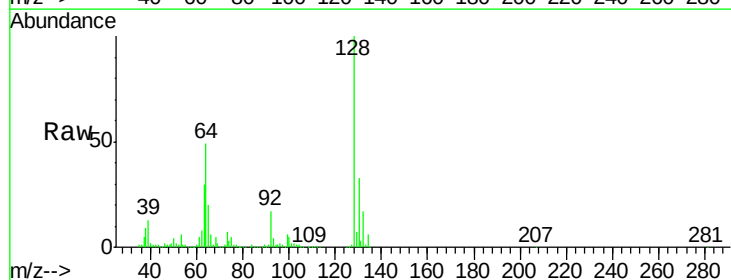
Tgt Ion: 128 Resp: 665071

Ion Ratio Lower Upper

128 100

130 33.4 11.8 51.8

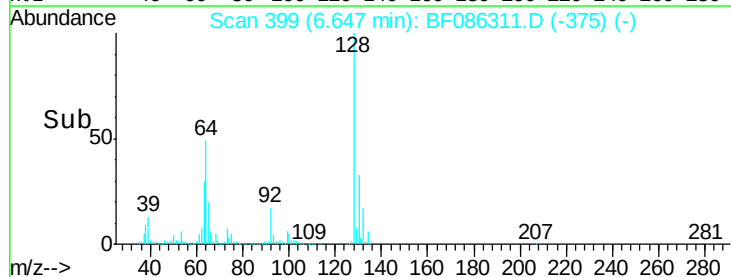
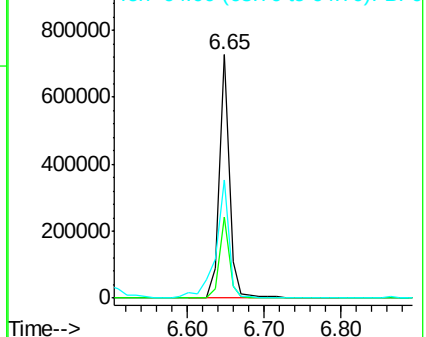
64 48.8 39.5 79.5

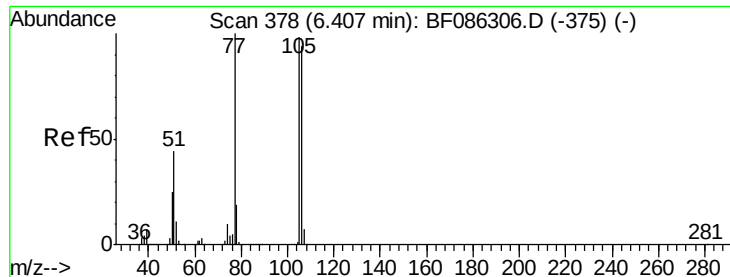


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 11.54 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.03 min

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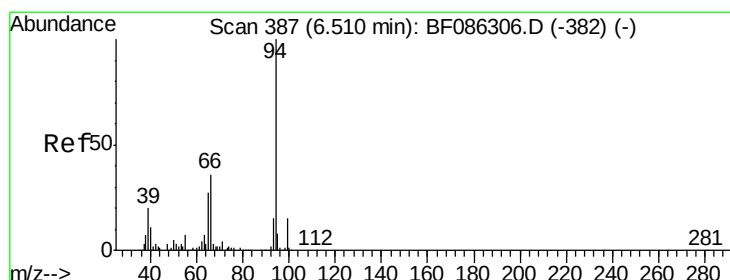
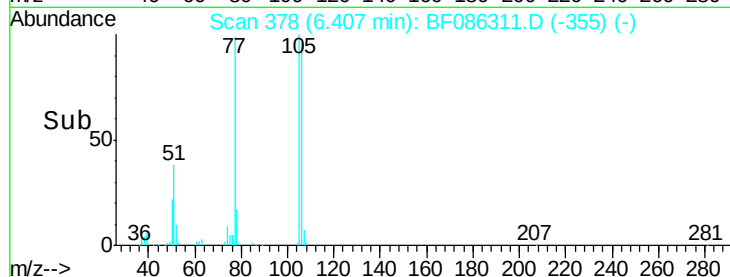
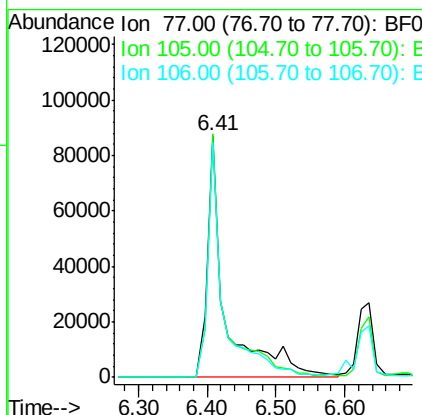
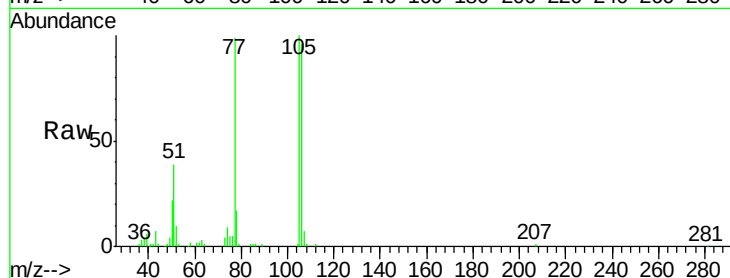
Tgt Ion: 77 Resp: 162523

Ion Ratio Lower Upper

77 100

105 100.7 84.6 124.6

106 96.9 78.6 118.6



#10

Phenol

Concen: 38.28 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF086311.D

Acq: 20 Apr 2016 16:21

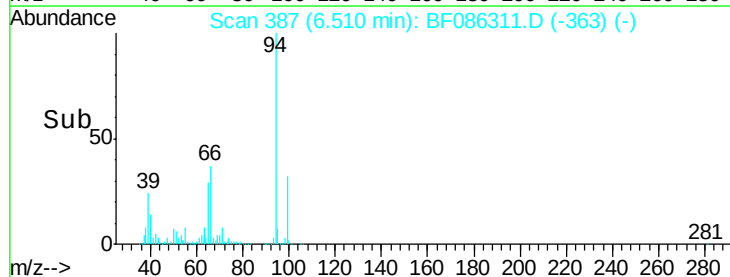
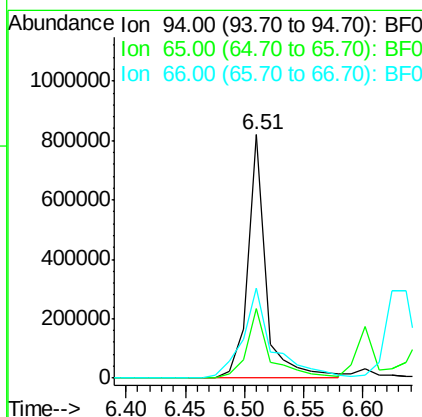
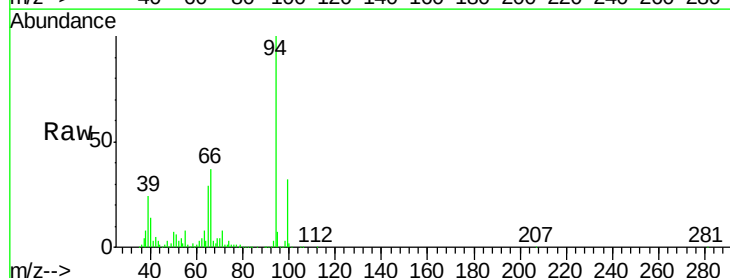
Tgt Ion: 94 Resp: 871345

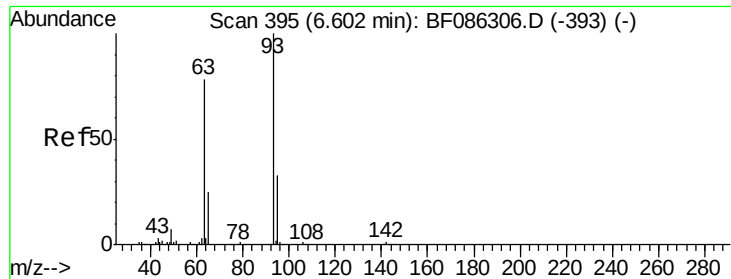
Ion Ratio Lower Upper

94 100

65 28.5 7.9 47.9

66 36.9 16.5 56.5

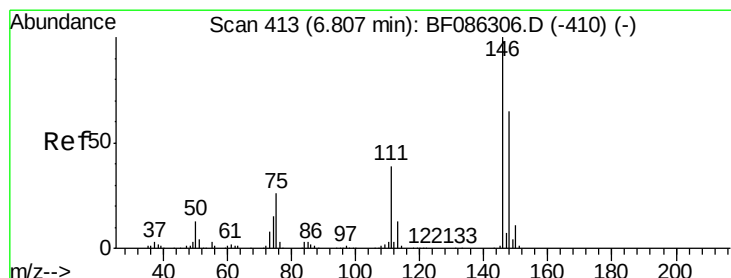
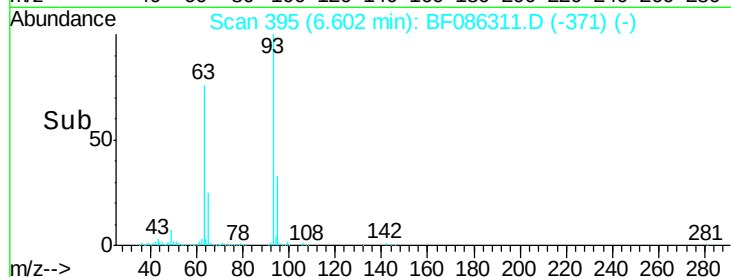
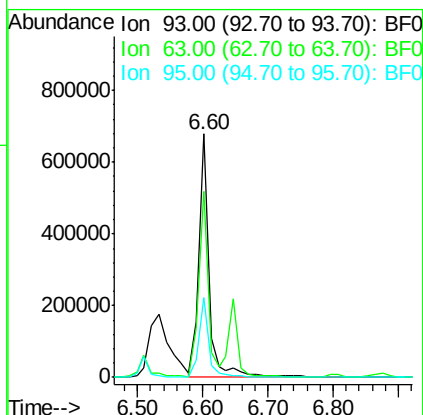
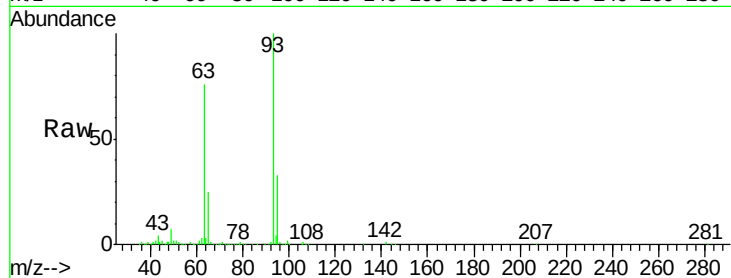




#11
bis(2-Chloroethyl)ether
Concen: 36.91 ng
RT: 6.60 min Scan# 395
Delta R.T. -0.02 min
Lab File: BF086311.D
Acq: 20 Apr 2016 16:21

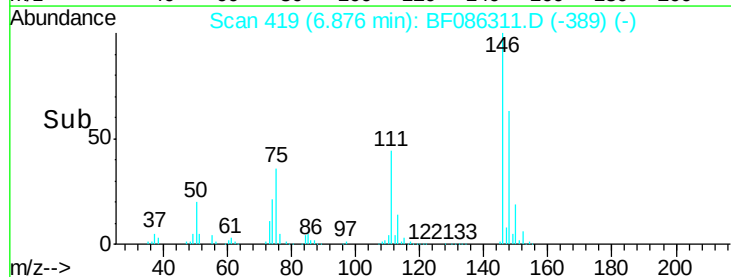
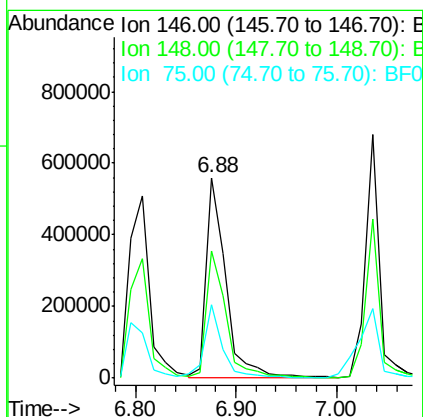
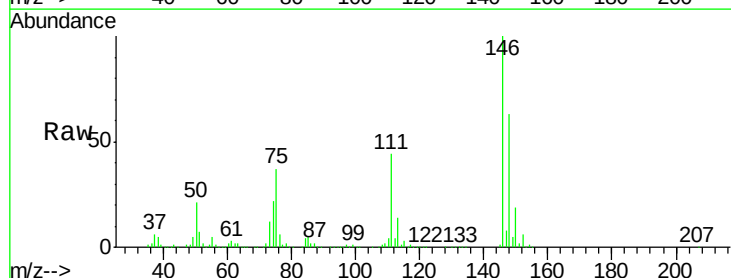
Instrument :
BNA_F
ClientSampleId :
PB89932BS

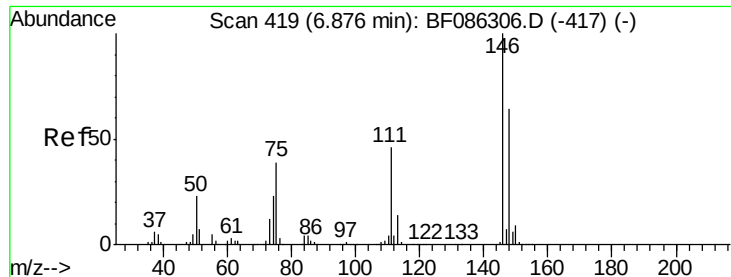
Tgt Ion	Ratio	Lower	Upper
93	100		
63	76.5	44.4	84.4
95	32.8	13.1	53.1



#12
1,3-Dichlorobenzene
Concen: 37.53 ng
RT: 6.88 min Scan# 419
Delta R.T. 0.05 min
Lab File: BF086311.D
Acq: 20 Apr 2016 16:21

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.0	76.4
75	36.5	29.9	44.9

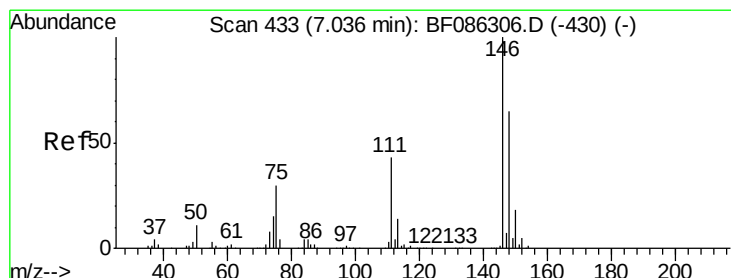
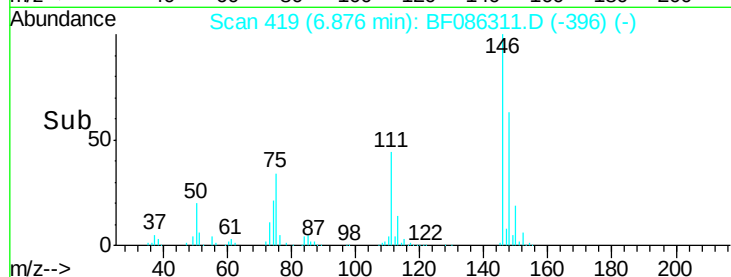
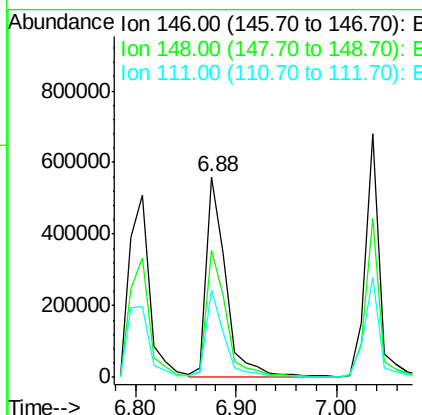
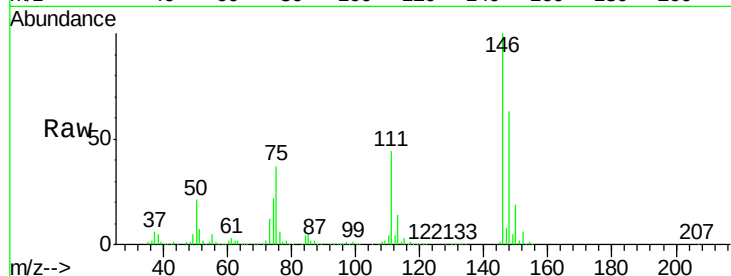




#13
 1,4-Dichlorobenzene
 Concen: 35.61 ng
 RT: 6.88 min Scan# 419
 Delta R.T. -0.03 min
 Lab File: BF086311.D
 Acq: 20 Apr 2016 16:21

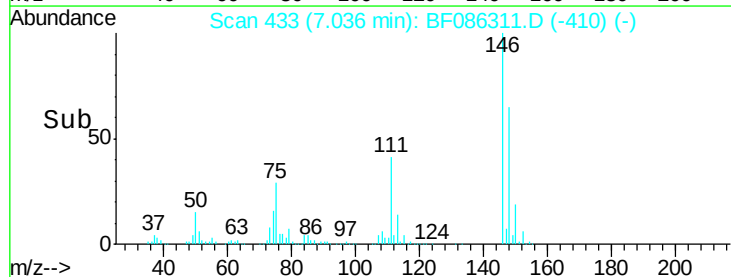
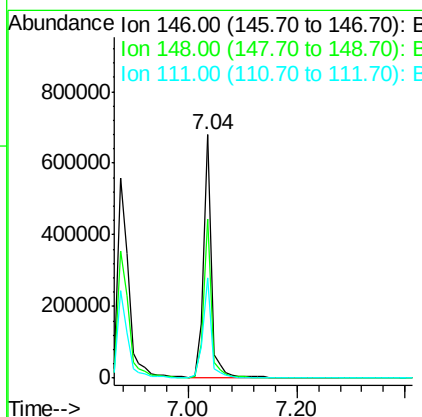
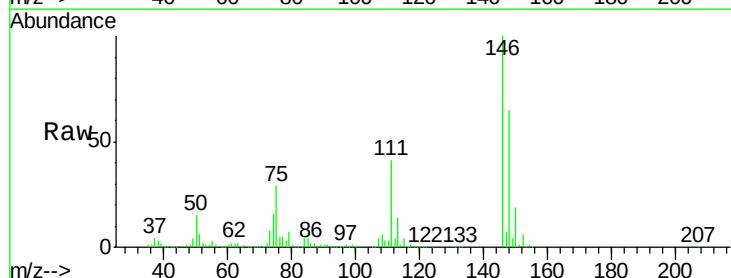
Instrument :
 BNA_F
 ClientSampleId :
 PB89932BS

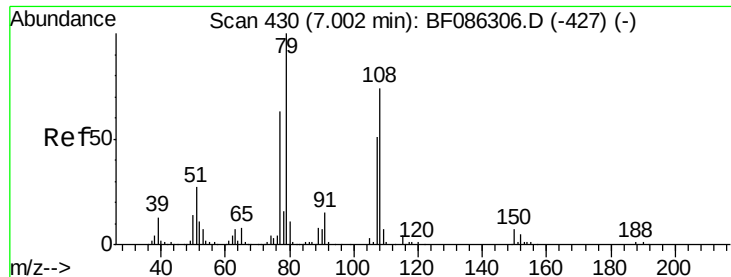
Tgt Ion:146 Resp: 752745
 Ion Ratio Lower Upper
 146 100
 148 63.3 51.8 77.6
 111 43.7 34.9 52.3



#14
 1,2-Dichlorobenzene
 Concen: 36.25 ng
 RT: 7.04 min Scan# 433
 Delta R.T. -0.03 min
 Lab File: BF086311.D
 Acq: 20 Apr 2016 16:21

Tgt Ion:146 Resp: 679755
 Ion Ratio Lower Upper
 146 100
 148 65.2 52.2 78.2
 111 41.3 31.0 46.4





#15

Benzyl Alcohol

Concen: 40.51 ng

RT: 7.01 min Scan# 431

Delta R.T. -0.02 min

Lab File: BF086311.D

Acq: 20 Apr 2016 16:21

Instrument :

BNA_F

ClientSampleID :

PB89932BS

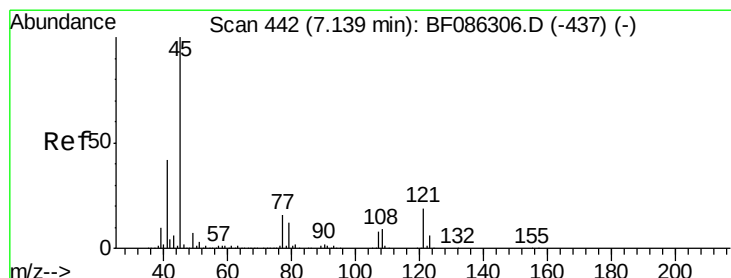
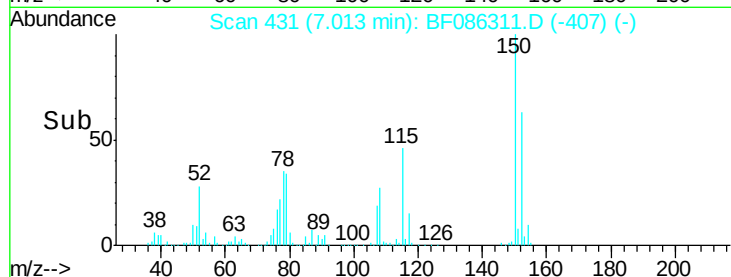
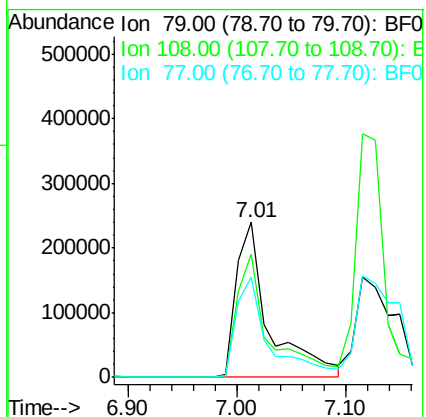
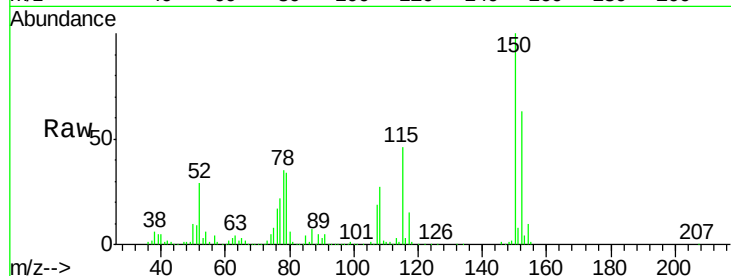
Tgt Ion: 79 Resp: 499976

Ion Ratio Lower Upper

79 100

108 79.6 64.8 97.2

77 65.1 51.9 77.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.98 ng

RT: 7.15 min Scan# 443

Delta R.T. -0.02 min

Lab File: BF086311.D

Acq: 20 Apr 2016 16:21

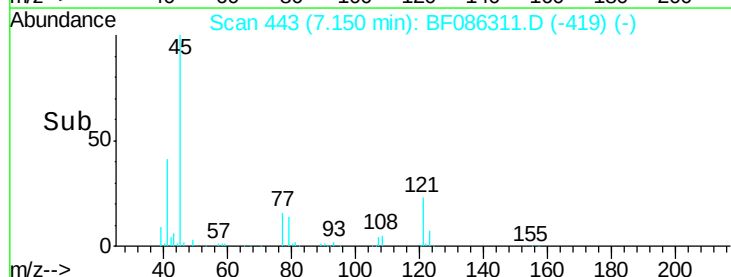
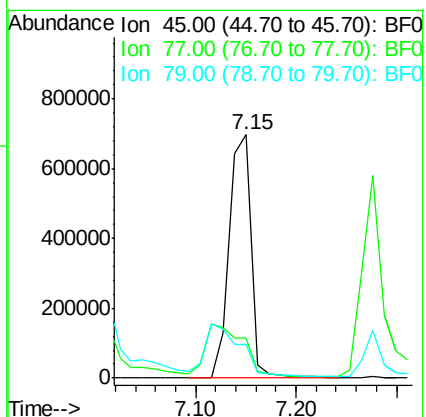
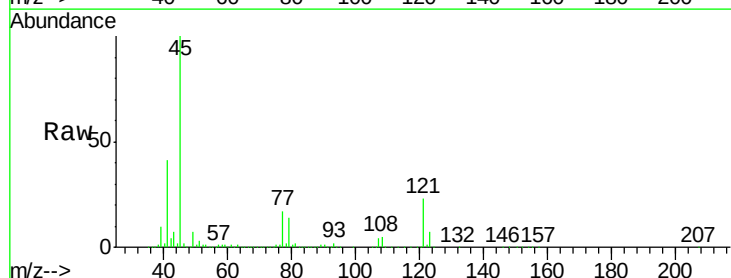
Tgt Ion: 45 Resp: 1062573

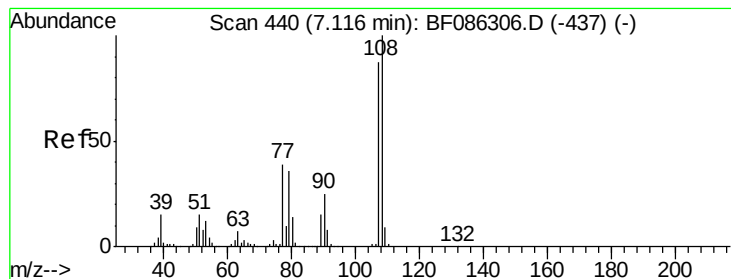
Ion Ratio Lower Upper

45 100

77 16.5 0.0 33.7

79 13.9 0.0 30.1





#17

2-Methylphenol

Concen: 38.70 ng

RT: 7.12 min Scan# 440

Delta R.T. -0.02 min

Lab File: BF086311.D

Acq: 20 Apr 2016 16:21

Instrument :

BNA_F

ClientSampleId :

PB89932BS

Tgt Ion:107 Resp: 583173

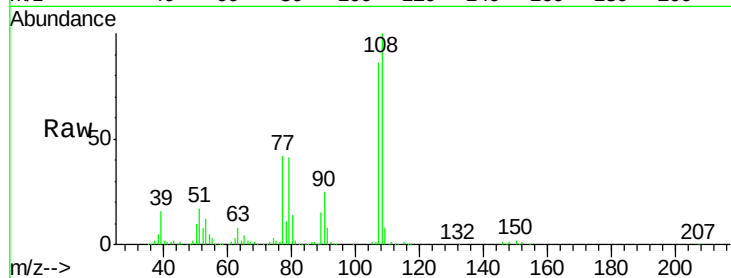
Ion Ratio Lower Upper

107 100

108 116.6 92.7 139.1

77 48.5 39.6 59.4

79 47.8 37.4 56.2

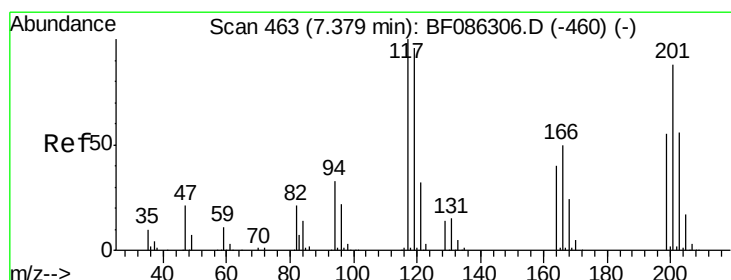
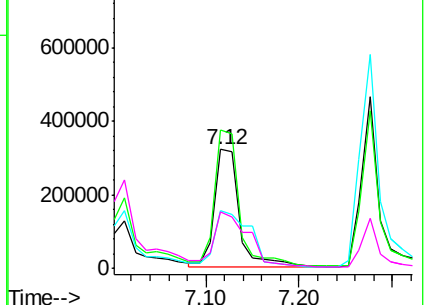
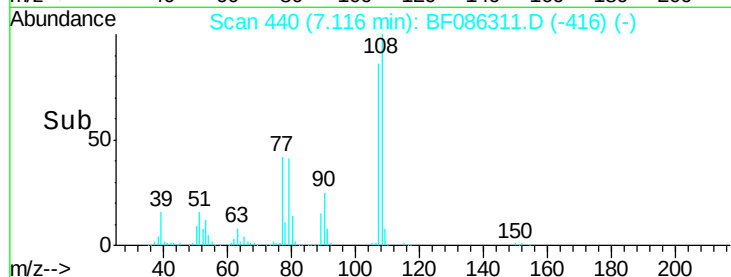


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 40.84 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.03 min

Lab File: BF086311.D

Acq: 20 Apr 2016 16:21

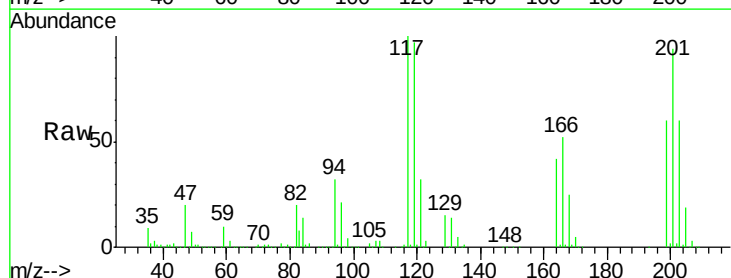
Tgt Ion:117 Resp: 257315

Ion Ratio Lower Upper

117 100

119 97.3 78.2 117.4

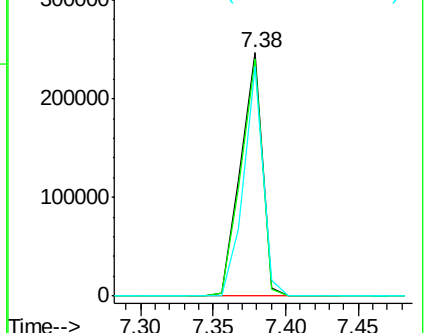
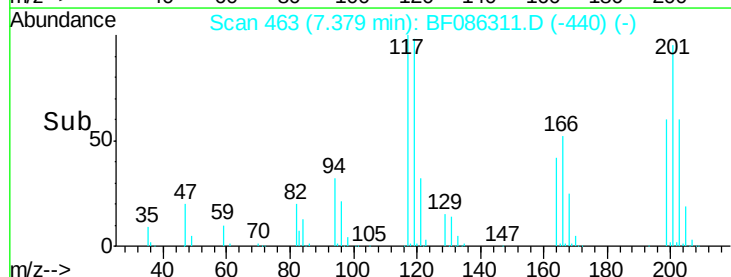
201 94.4 75.7 113.5

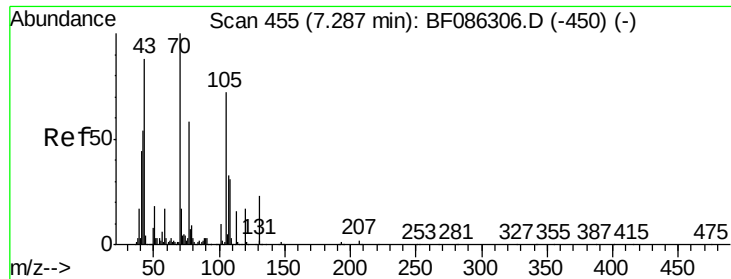


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

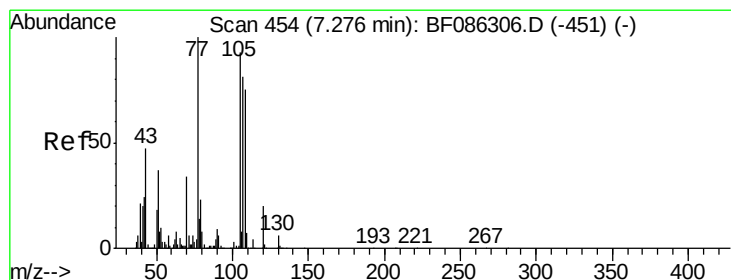
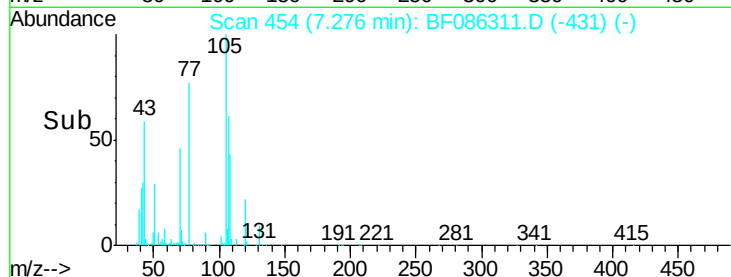
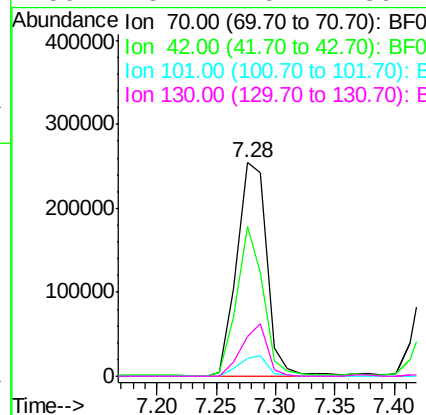
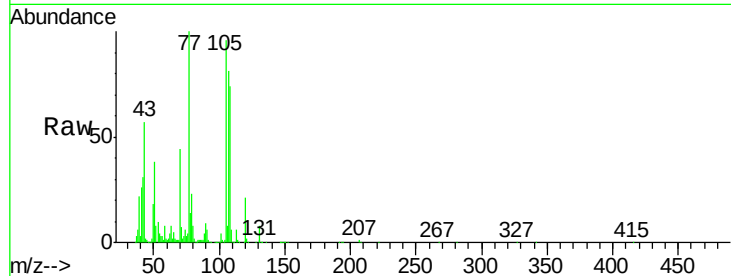




#19
n-Nitroso-di-n-propylamine
Concen: 37.58 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.03 min
Lab File: BF086311.D
Acq: 20 Apr 2016 16:21

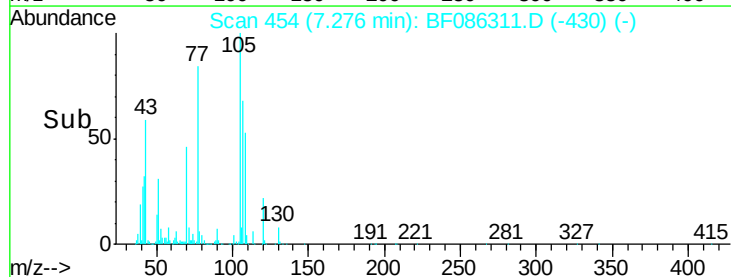
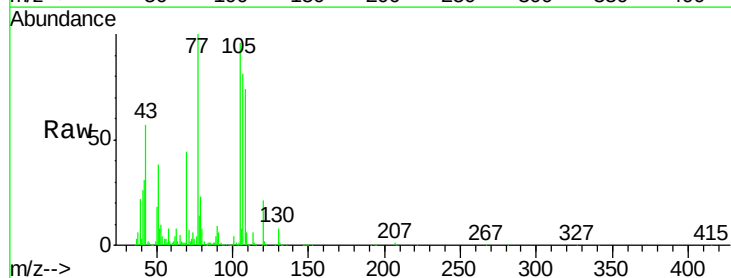
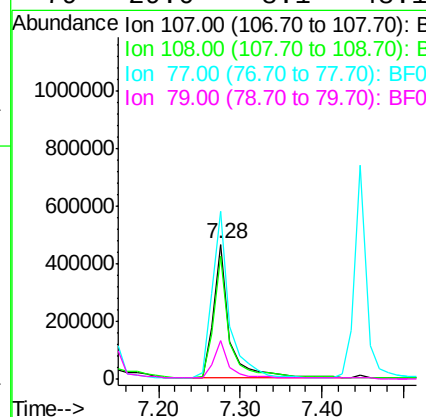
Instrument :
BNA_F
ClientSampleId :
PB89932BS

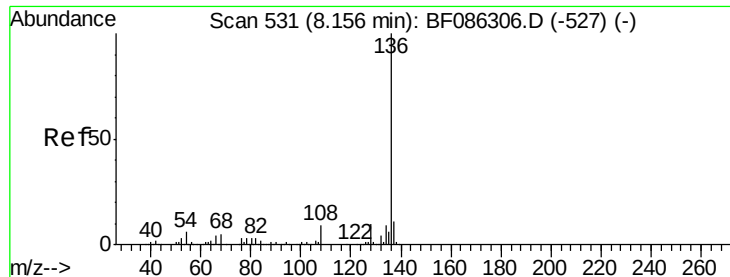
Tgt Ion	Ratio	Lower	Upper
70	100		
42	70.3	43.0	64.4#
101	8.6	8.1	12.1
130	18.4	20.1	30.1#



#20
3+4-Methylphenols
Concen: 39.48 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.02 min
Lab File: BF086311.D
Acq: 20 Apr 2016 16:21

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.3	69.7	109.7
77	124.2	60.5	100.5#
79	29.0	8.1	48.1

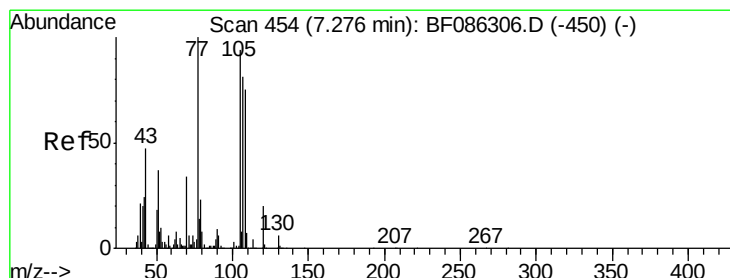
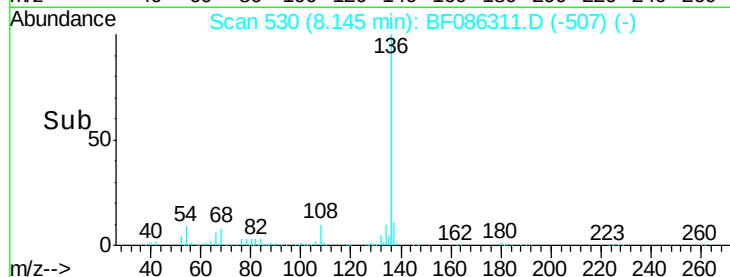
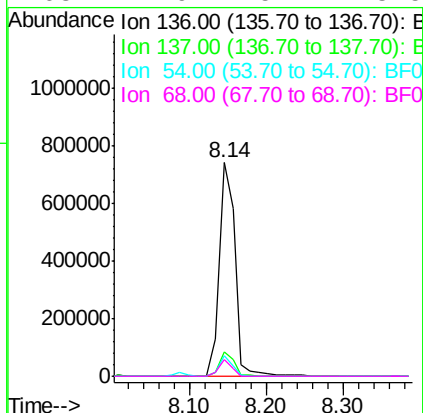
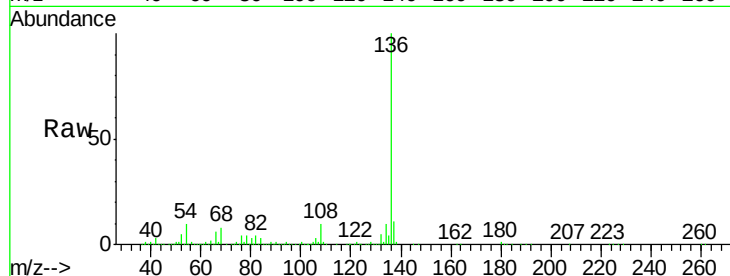




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.03 min
Lab File: BF086311.D
Acq: 20 Apr 2016 16:21

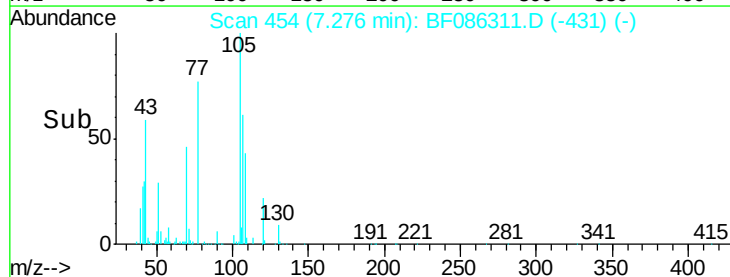
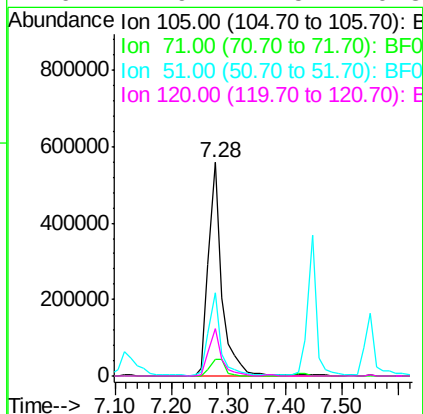
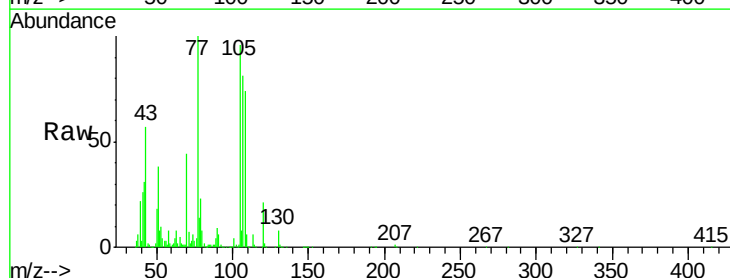
Instrument :
BNA_F
ClientSampled :
PB89932BS

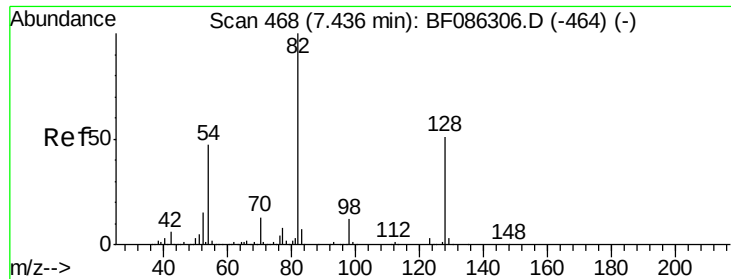
Tgt Ion:	136	Resp:	1069378
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	9.6	7.3	10.9
68	7.9	5.7	8.5



#22
Acetophenone
Concen: 39.55 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.03 min
Lab File: BF086311.D
Acq: 20 Apr 2016 16:21

Tgt Ion:	105	Resp:	888410
Ion	Ratio	Lower	Upper
105	100		
71	7.6	4.0	6.0#
51	39.1	22.0	33.0#
120	21.9	17.5	26.3

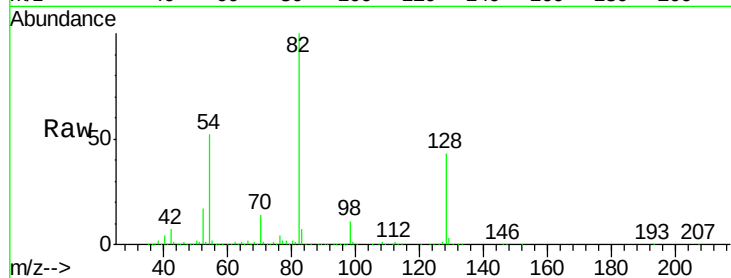




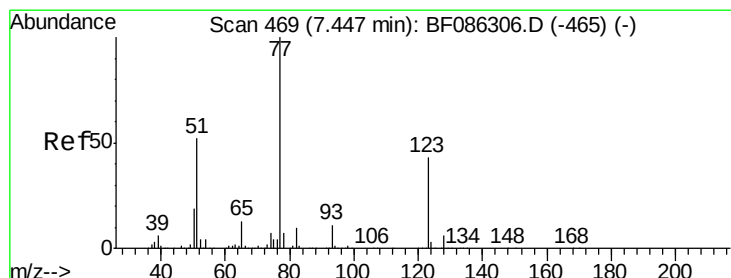
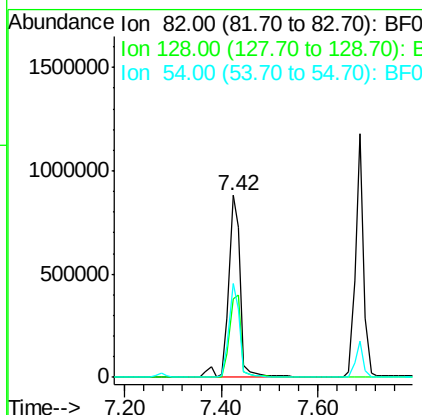
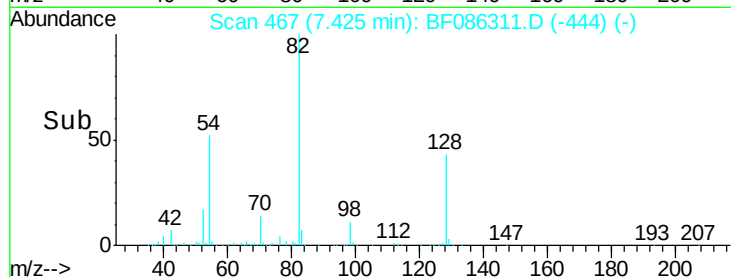
#23
 Nitrobenzene-d5
 Concen: 79.67 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.03 min
 Lab File: BF086311.D
 Acq: 20 Apr 2016 16:21

Instrument :
 BNA_F
 ClientSampleId :
 PB89932BS

Tgt Ion: 82 Resp: 1487606
 Ion Ratio Lower Upper
 82 100
 128 43.1 35.4 53.2
 54 51.9 43.4 65.0

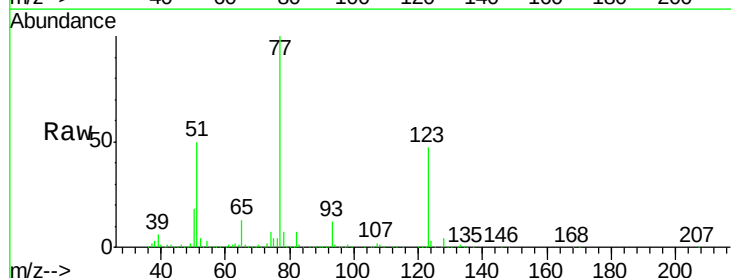


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

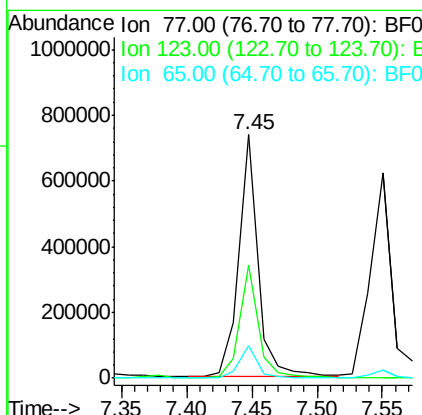
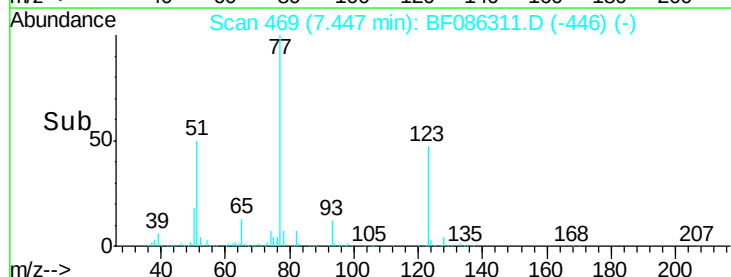


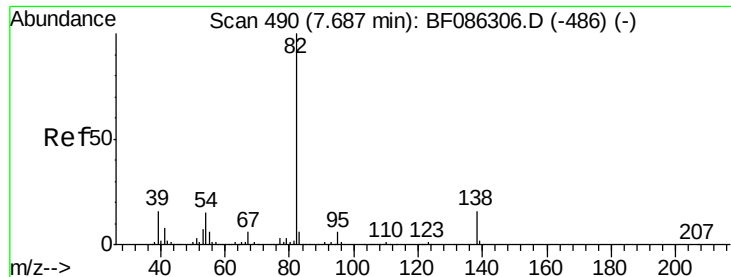
#24
 Nitrobenzene
 Concen: 37.09 ng
 RT: 7.45 min Scan# 469
 Delta R.T. -0.03 min
 Lab File: BF086311.D
 Acq: 20 Apr 2016 16:21

Tgt Ion: 77 Resp: 740977
 Ion Ratio Lower Upper
 77 100
 123 46.7 38.3 57.5
 65 13.2 11.3 16.9



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 38.29 ng

RT: 7.69 min Scan# 490

Delta R.T. -0.03 min

Lab File: BF086311.D

Acq: 20 Apr 2016 16:21

Instrument :

BNA_F

ClientSampleId :

PB89932BS

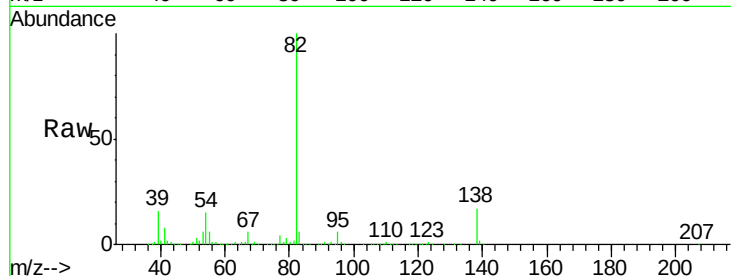
Tgt Ion: 82 Resp: 1354738

Ion Ratio Lower Upper

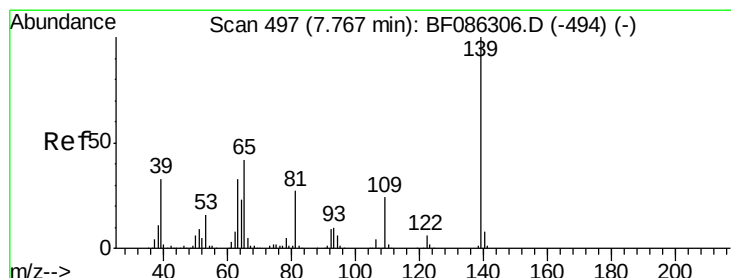
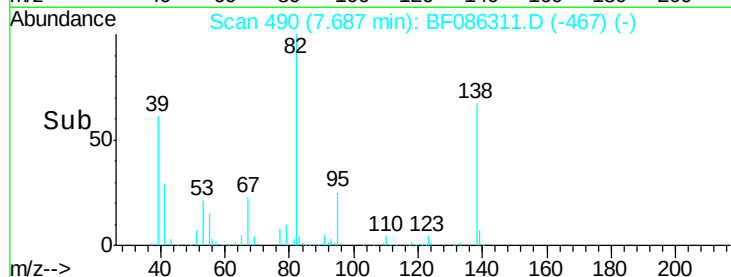
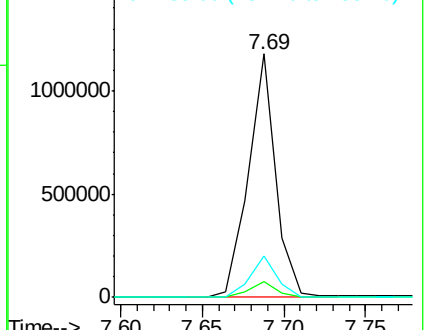
82 100

95 6.4 5.4 8.2

138 17.1 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): BF0



#26

2-Nitrophenol

Concen: 43.66 ng

RT: 7.77 min Scan# 497

Delta R.T. -0.02 min

Lab File: BF086311.D

Acq: 20 Apr 2016 16:21

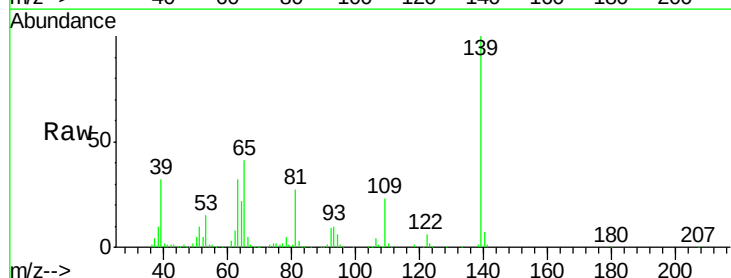
Tgt Ion: 139 Resp: 390071

Ion Ratio Lower Upper

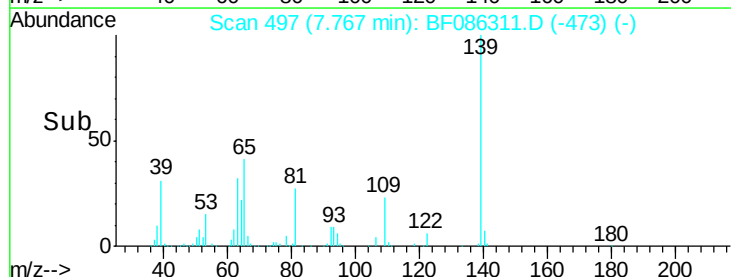
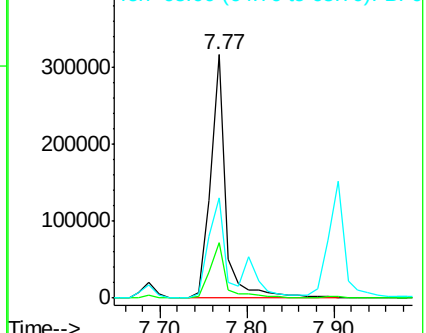
139 100

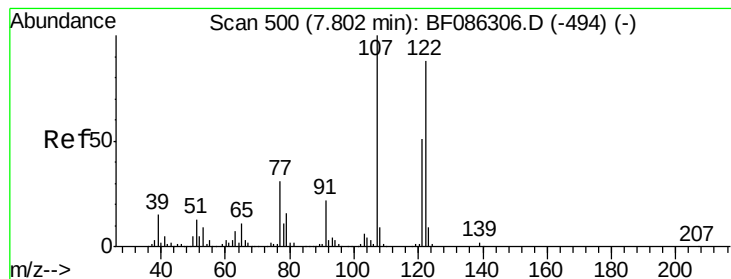
109 23.0 25.8 38.8#

65 41.2 50.2 75.2#



Abundance Ion 139.00 (138.70 to 139.70): BF0
Ion 109.00 (108.70 to 109.70): BF0
Ion 65.00 (64.70 to 65.70): BF0

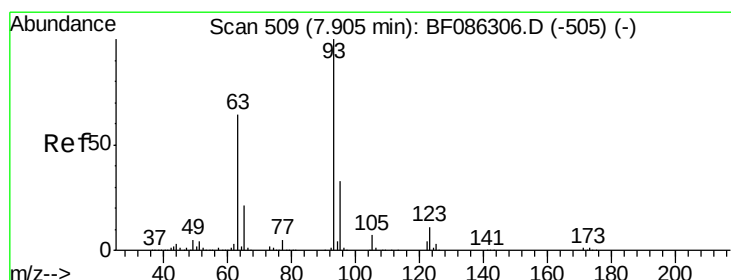
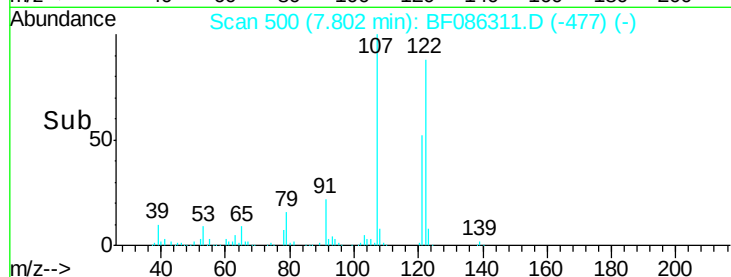
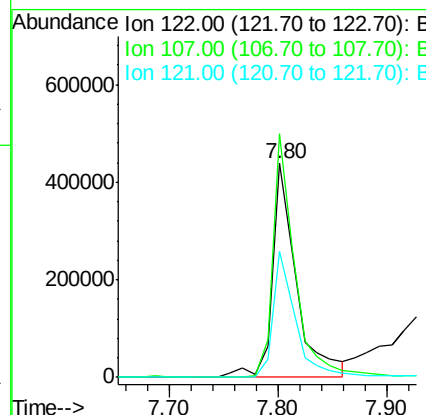
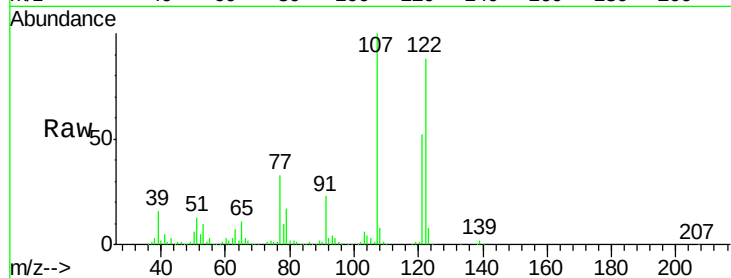




#27
 2,4-Dimethylphenol
 Concen: 38.60 ng
 RT: 7.80 min Scan# 500
 Delta R.T. -0.03 min
 Lab File: BF086311.D
 Acq: 20 Apr 2016 16:21

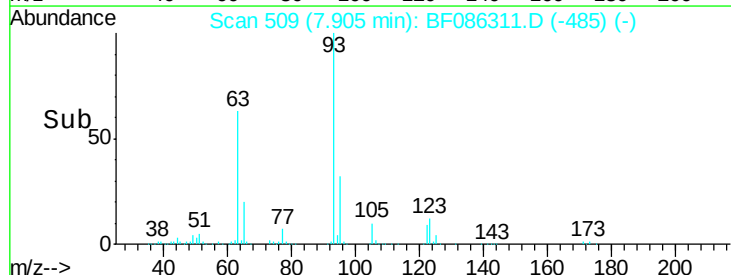
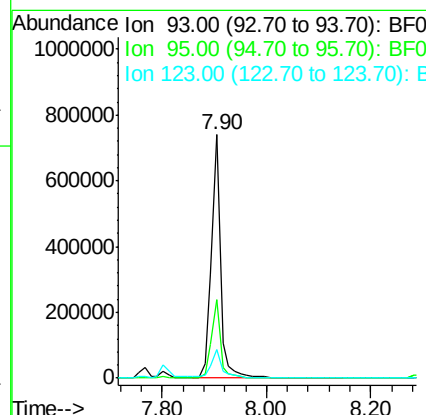
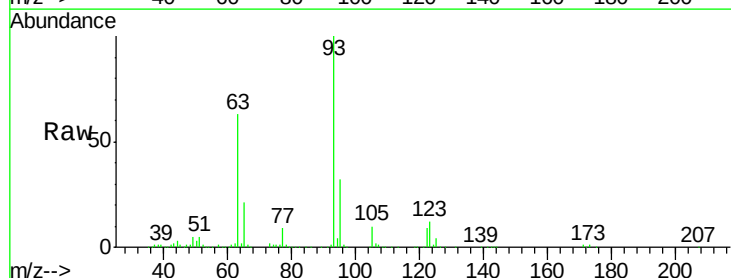
Instrument :
 BNA_F
 ClientSampleId :
 PB89932BS

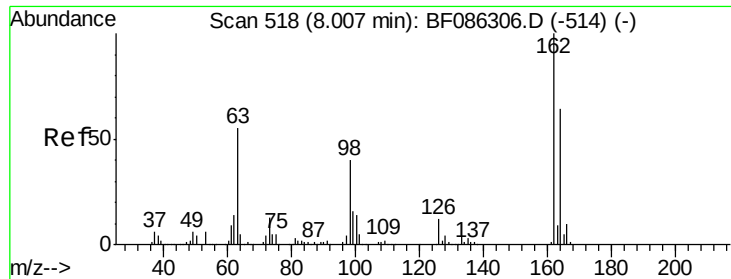
Tgt Ion	Ratio	Lower	Upper
122	100		
107	113.9	85.8	128.6
121	58.8	47.1	70.7



#28
 bis(2-Chloroethoxy)methane
 Concen: 43.12 ng
 RT: 7.90 min Scan# 509
 Delta R.T. -0.02 min
 Lab File: BF086311.D
 Acq: 20 Apr 2016 16:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.8	38.8
123	11.9	8.9	13.3

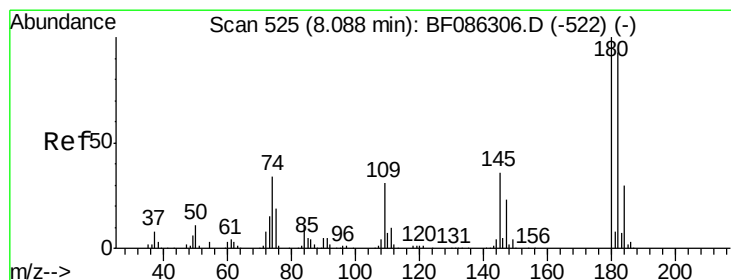
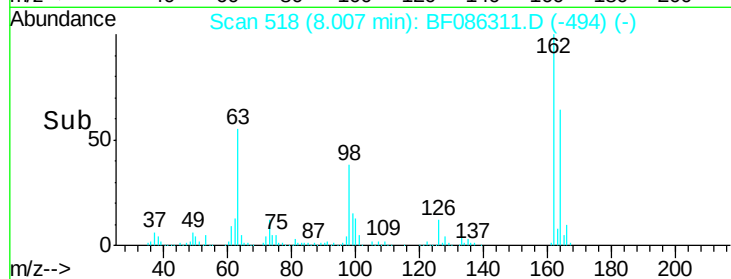
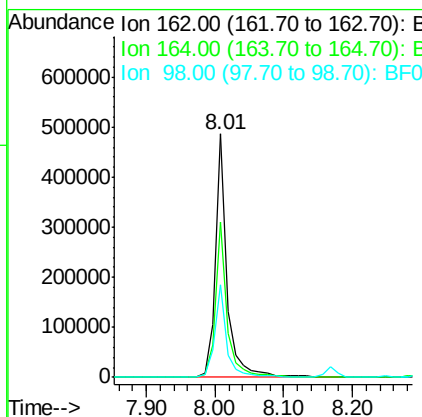
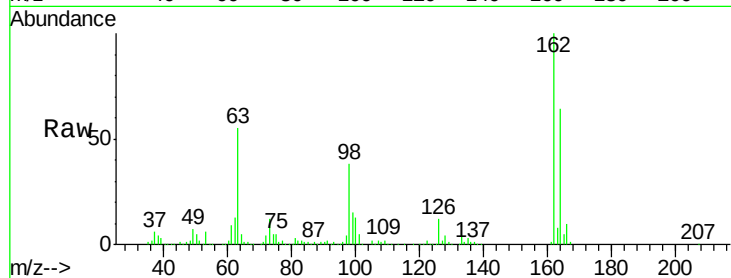




#29
 2,4-Dichlorophenol
 Concen: 42.49 ng
 RT: 8.01 min Scan# 518
 Delta R.T. -0.02 min
 Lab File: BF086311.D
 Acq: 20 Apr 2016 16:21

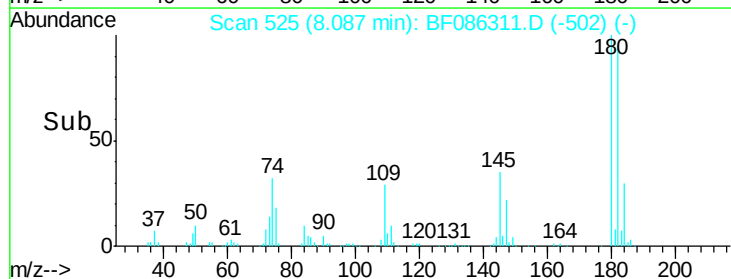
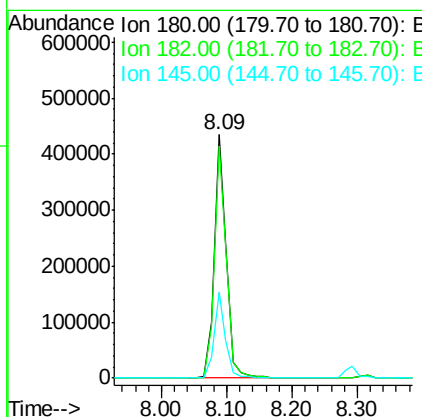
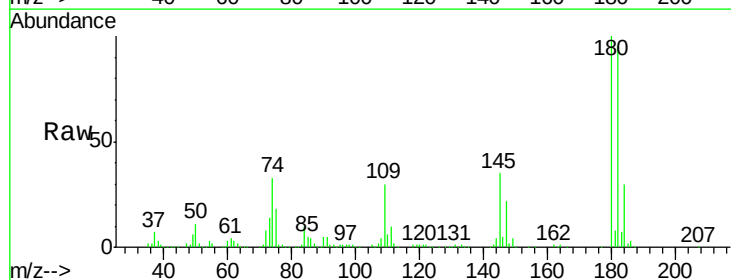
Instrument :
 BNA_F
 ClientSampleId :
 PB89932BS

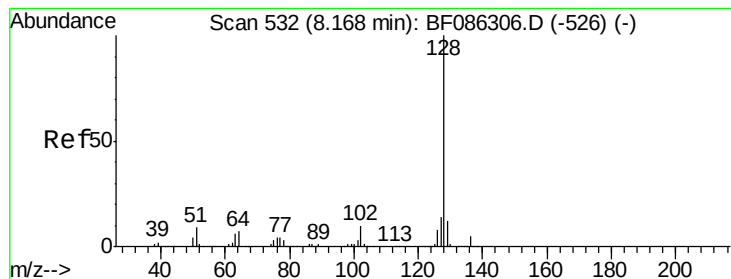
Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.6	43.3	83.3
98	38.0	22.9	62.9



#30
 1,2,4-Trichlorobenzene
 Concen: 38.48 ng
 RT: 8.09 min Scan# 525
 Delta R.T. -0.03 min
 Lab File: BF086311.D
 Acq: 20 Apr 2016 16:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.3	114.5
145	35.3	27.4	41.2





#31

Naphthalene

Concen: 38.45 ng

RT: 8.17 min Scan# 532

Delta R.T. -0.03 min

Lab File: BF086311.D

Acq: 20 Apr 2016 16:21

Instrument :

BNA_F

ClientSampleId :

PB89932BS

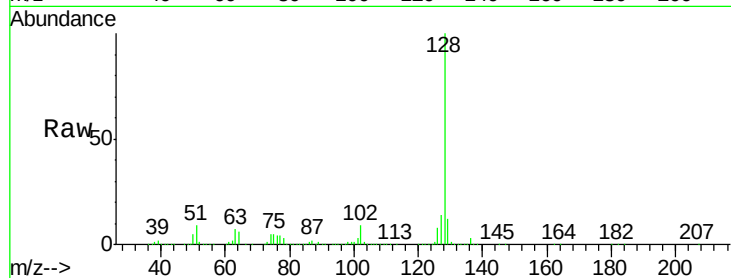
Tgt Ion:128 Resp: 1960159

Ion Ratio Lower Upper

128 100

129 11.7 9.6 14.4

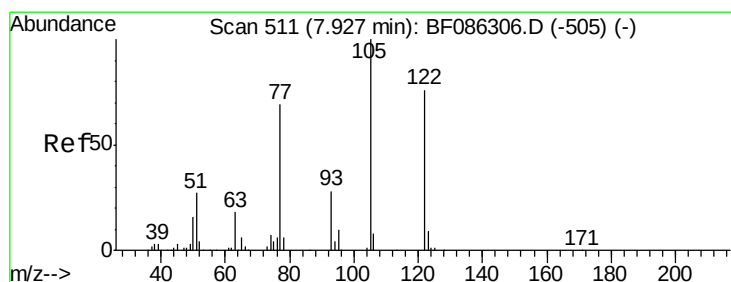
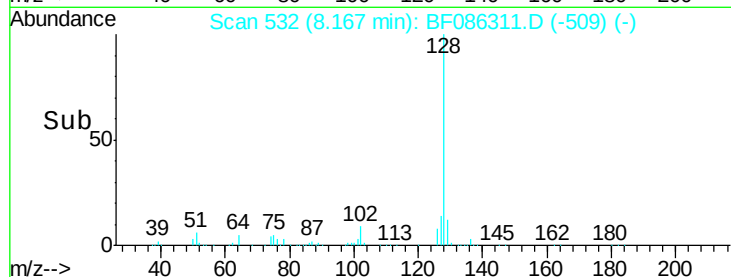
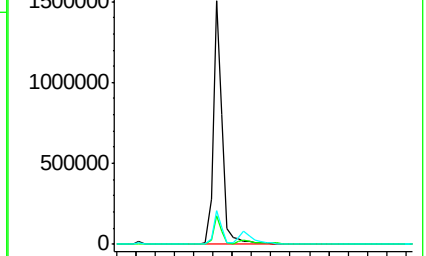
127 13.9 11.4 17.2



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: 39.00 ng

RT: 7.93 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF086311.D

Acq: 20 Apr 2016 16:21

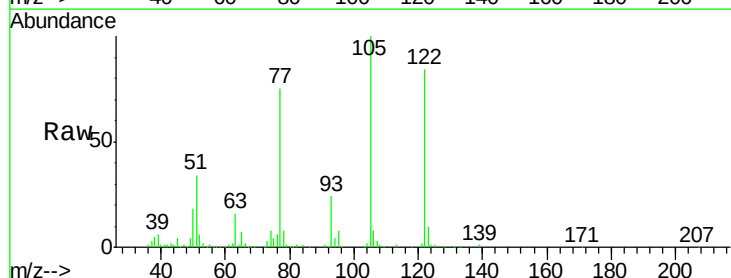
Tgt Ion:122 Resp: 406131

Ion Ratio Lower Upper

122 100

105 119.7 103.7 143.7

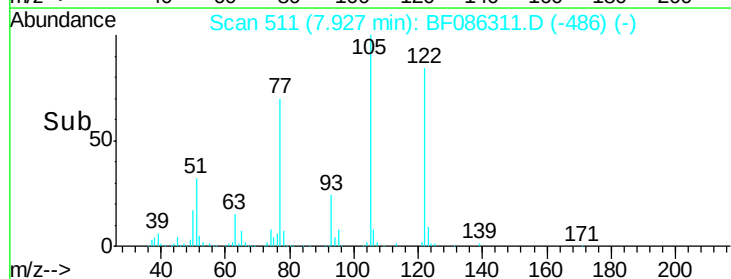
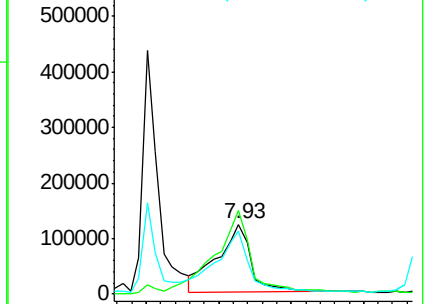
77 90.4 74.9 114.9

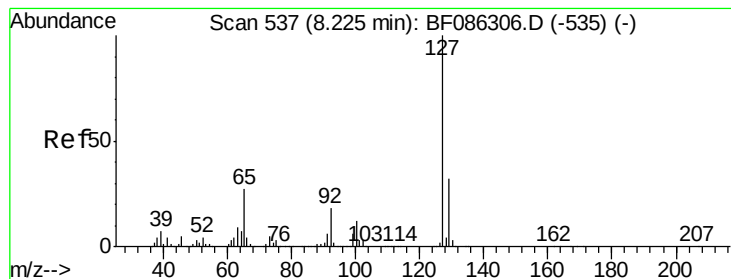


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 8.74 ng

RT: 8.22 min Scan# 537

Delta R.T. -0.02 min

Lab File: BF086311.D

Acq: 20 Apr 2016 16:21

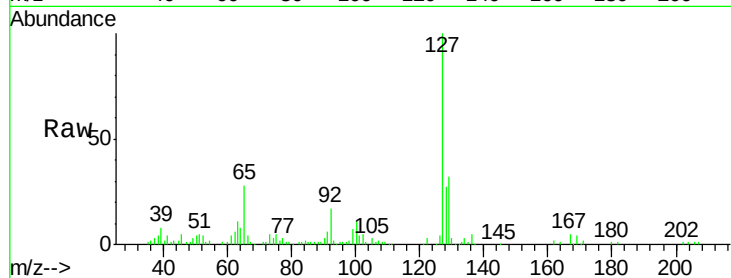
Instrument :

BNA_F

ClientSampleId :

PB89932BS

Tgt Ion:	127	Resp:	184387
Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.8	40.2
65	27.9	27.1	40.7
92	17.2	16.2	24.2

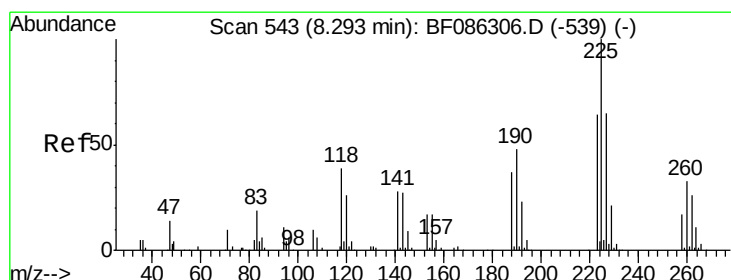
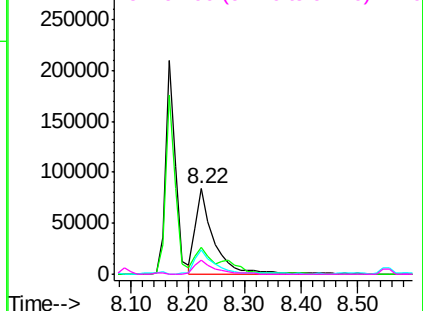
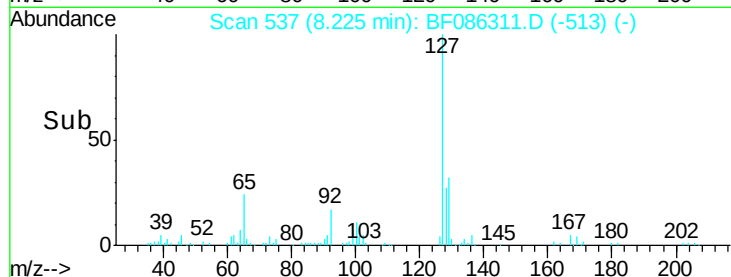


Abundance Ion 127.00 (126.70 to 127.70): E

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: 38.00 ng

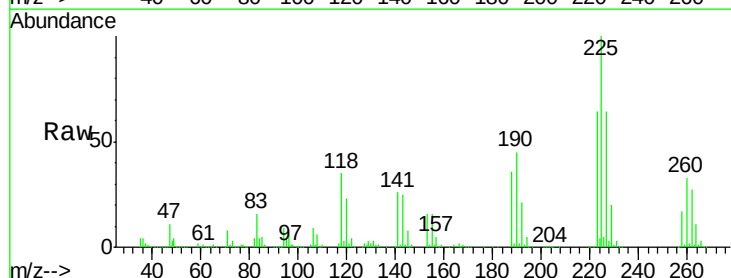
RT: 8.29 min Scan# 543

Delta R.T. -0.03 min

Lab File: BF086311.D

Acq: 20 Apr 2016 16:21

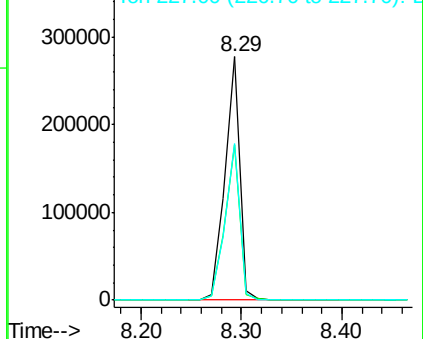
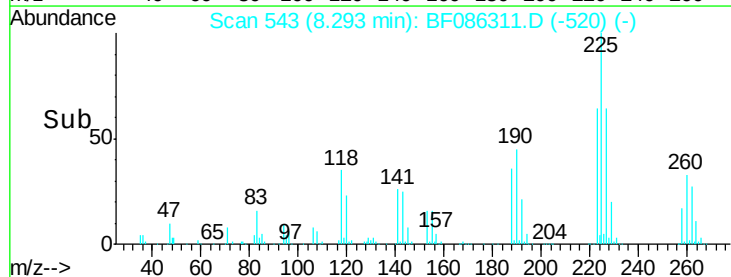
Tgt Ion:	225	Resp:	285515
Ion	Ratio	Lower	Upper
225	100		
223	63.5	49.4	74.0
227	64.4	51.1	76.7

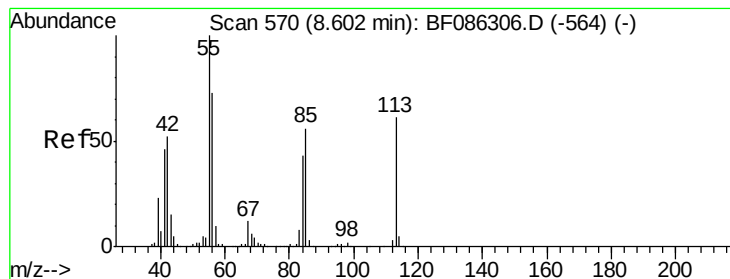


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 42.73 ng

RT: 8.59 min Scan# 569

Delta R.T. -0.03 min

Lab File: BF086311.D

Acq: 20 Apr 2016 16:21

Instrument :

BNA_F

ClientSampleId :

PB89932BS

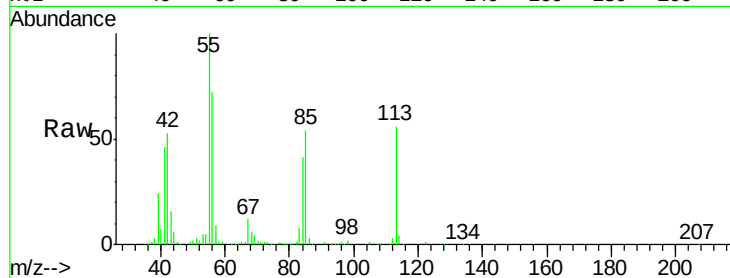
Tgt Ion:113 Resp: 191241

Ion Ratio Lower Upper

113 100

55 179.1 117.5 157.5#

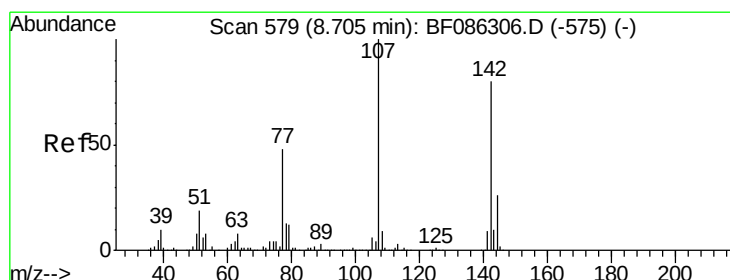
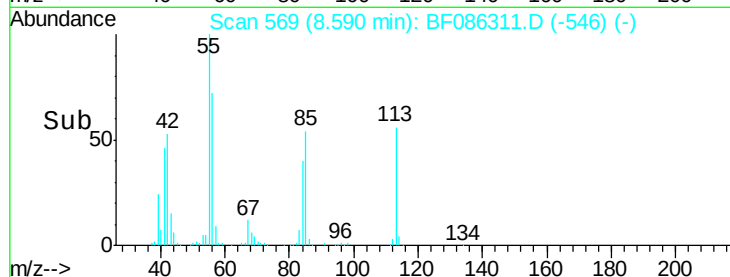
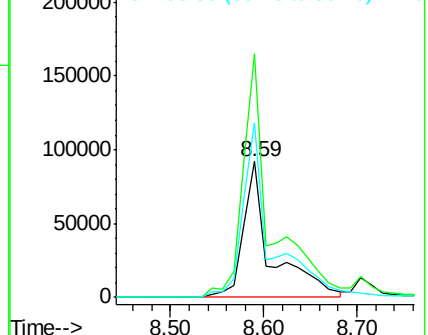
56 128.2 82.5 122.5#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 39.85 ng

RT: 8.70 min Scan# 579

Delta R.T. -0.02 min

Lab File: BF086311.D

Acq: 20 Apr 2016 16:21

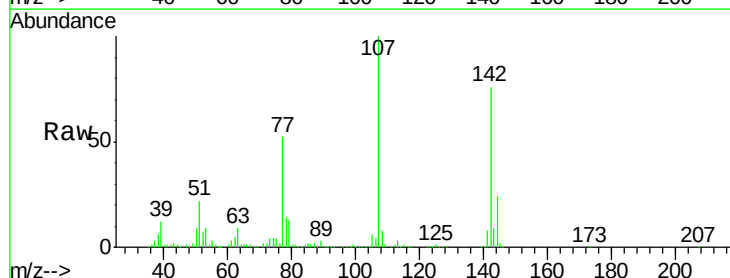
Tgt Ion:107 Resp: 619204

Ion Ratio Lower Upper

107 100

144 24.4 20.7 31.1

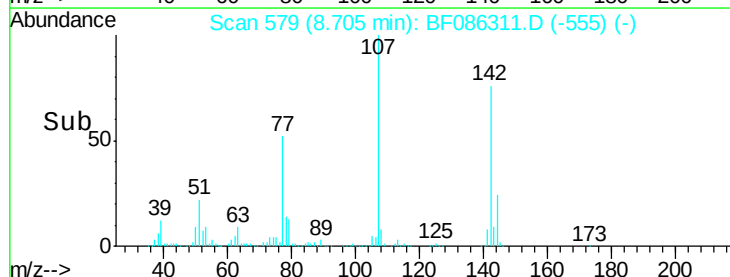
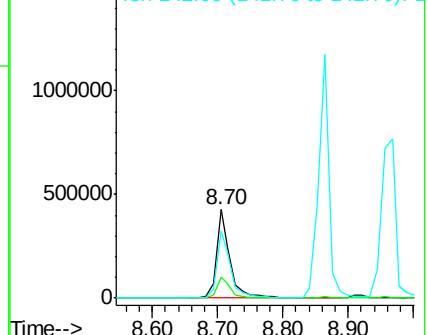
142 75.7 64.5 96.7

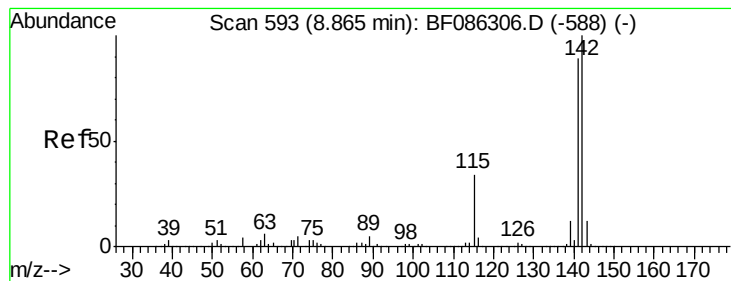


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 40.34 ng

RT: 8.86 min Scan# 593

Delta R.T. -0.03 min

Lab File: BF086311.D

Acq: 20 Apr 2016 16:21

Instrument :

BNA_F

ClientSampleId :

PB89932BS

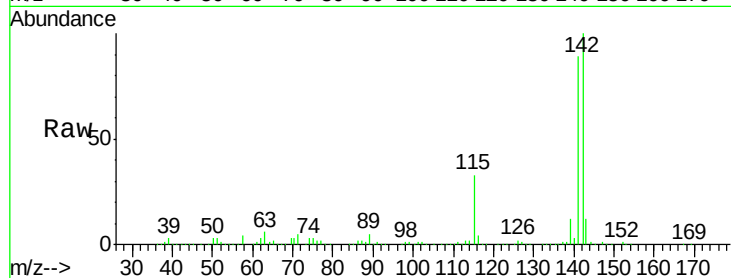
Tgt Ion:142 Resp: 1269859

Ion Ratio Lower Upper

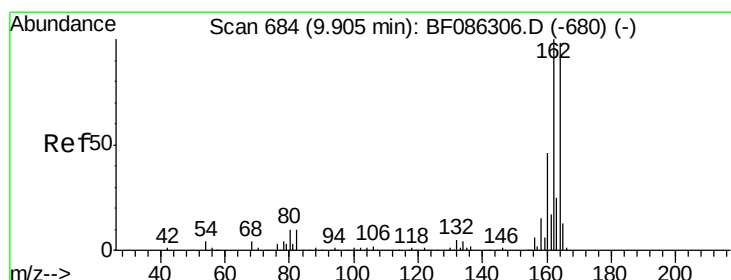
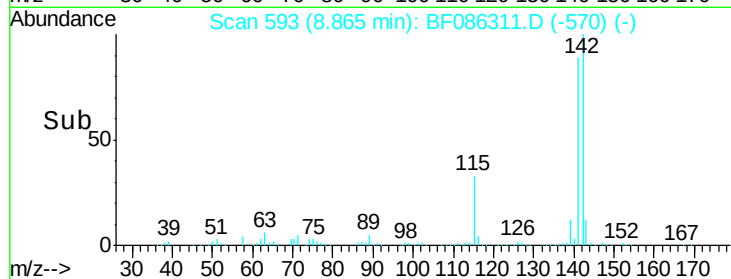
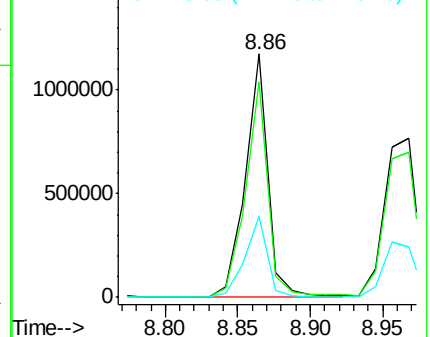
142 100

141 88.5 71.1 106.7

115 33.3 25.1 37.7



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.03 min

Lab File: BF086311.D

Acq: 20 Apr 2016 16:21

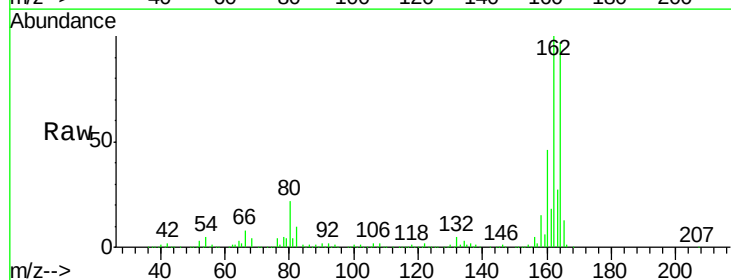
Tgt Ion:164 Resp: 479702

Ion Ratio Lower Upper

164 100

162 103.2 82.8 124.2

160 47.1 38.9 58.3



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

