

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042315\
 Data File : BF078767.D
 Acq On : 24 Apr 2015 3:15
 Operator : TP/IZ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Apr 24 04:15:25 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 08:49:33 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	24253	20.00	ng	-0.02
21) Naphthalene-d8	7.92	136	104406	20.00	ng	-0.02
38) Acenaphthene-d10	11.10	164	50996	20.00	ng	-0.03
63) Phenanthrene-d10	13.83	188	105942	20.00	ng	-0.03
75) Chrysene-d12	17.71	240	116369	20.00	ng	-0.02
86) Perylene-d12	19.42	264	120900	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	3.77	112	111633	75.89	ng	-0.02
7) Phenol-d6	5.27	99	149002	80.83	ng	-0.02
23) Nitrobenzene-d5	6.70	82	135326	78.56	ng	-0.03
41) 2,4,6-Tribromophenol	12.57	330	36580	86.49	ng	-0.03
44) 2-Fluorobiphenyl	9.93	172	286894	80.42	ng	-0.03
78) Terphenyl-d14	16.38	244	375266	72.87	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	1.32	88	20478	30.79	ng	96
3) Pyridine	1.82	79	66721	38.29	ng	# 93
4) n-Nitrosodimethylamine	1.77	42	27039	40.32	ng	89
6) Aniline	5.24	93	106918	40.90	ng	# 87
8) 2-Chlorophenol	5.42	128	67410	38.76	ng	99
9) Benzaldehyde	5.06	77	40126	32.84	ng	92
10) Phenol	5.28	94	85554	38.73	ng	90
11) bis(2-Chloroethyl)ether	5.39	93	60775	38.26	ng	99
12) 1,3-Dichlorobenzene	5.66	146	72433	37.91	ng	# 92
13) 1,4-Dichlorobenzene	5.78	146	76047	39.54	ng	96
14) 1,2-Dichlorobenzene	6.02	146	69485	38.53	ng	95
15) Benzyl Alcohol	6.03	79	56029	43.25	ng	94
16) 2,2'-oxybis(1-Chloropropan	6.27	45	79202	37.38	ng	# 43
17) 2-Methylphenol	6.26	107	54590	40.42	ng	94
18) Hexachloroethane	6.56	117	23864	36.80	ng	# 79
19) n-Nitroso-di-n-propylamine	6.49	70	49831	40.97	ng	91
20) 3+4-Methylphenols	6.54	107	68505	38.03	ng	100
22) Acetophenone	6.46	105	93724	38.53	ng	# 91
24) Nitrobenzene	6.73	77	70632	39.22	ng	87
25) Isophorone	7.16	82	131669	40.28	ng	100
26) 2-Nitrophenol	7.28	139	29691	34.60	ng	94
27) 2,4-Dimethylphenol	7.44	122	58337	36.56	ng	93
28) bis(2-Chloroethoxy)methane	7.60	93	77854	37.14	ng	99
29) 2,4-Dichlorophenol	7.72	162	56221	38.73	ng	93
30) 1,2,4-Trichlorobenzene	7.84	180	61015	36.66	ng	96
31) Naphthalene	7.95	128	206323	37.97	ng	99
32) Benzoic acid	7.67	122	22588	32.26	ng	97
33) 4-Chloroaniline	8.11	127	88534	39.26	ng	99
34) Hexachlorobutadiene	8.20	225	34945	38.24	ng	98
35) Caprolactam	8.76	113	18693	43.14	ng	90
36) 4-Chloro-3-methylphenol	9.08	107	60464	41.28	ng	# 88
37) 2-Methylnaphthalene	9.21	142	139948	37.93	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.52	216	62786	39.73	ng	99
40) Hexachlorocyclopentadiene	9.51	237	6313	15.31	ng	93

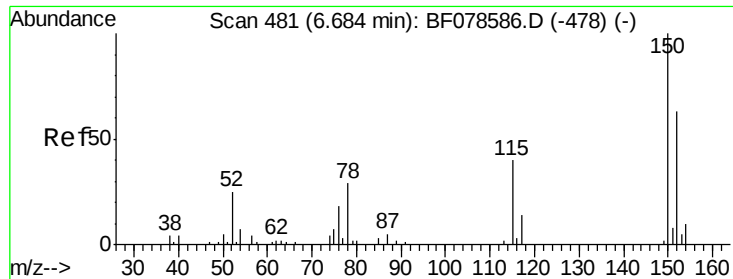
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042315\
 Data File : BF078767.D
 Acq On : 24 Apr 2015 3:15
 Operator : TP/IZ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Apr 24 04:15:25 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 08:49:33 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.78	196	43491	43.64	ng	99
43) 2,4,5-Trichlorophenol	9.85	196	41662	40.02	ng	# 91
45) 1,1'-Biphenyl	10.09	154	160837	38.56	ng	97
46) 2-Chloronaphthalene	10.09	162	129393	39.43	ng	96
47) 2-Nitroaniline	10.34	65	38263	47.12	ng	# 73
48) Acenaphthylene	10.83	152	218771	41.28	ng	99
49) Dimethylphthalate	10.74	163	155931	40.70	ng	98
50) 2,6-Dinitrotoluene	10.83	165	31323	39.74	ng	# 46
51) Acenaphthene	11.15	154	122045	40.90	ng	100
52) 3-Nitroaniline	11.11	138	39643	44.23	ng	91
53) 2,4-Dinitrophenol	11.36	184	276	8.93	ng	# 18
54) Dibenzofuran	11.49	168	186581	40.94	ng	98
55) 4-Nitrophenol	11.57	139	14784	24.39	ng	# 69
56) 2,4-Dinitrotoluene	11.57	165	42931	42.05	ng	# 73
57) Fluorene	12.11	166	154977	41.95	ng	98
58) 2,3,4,6-Tetrachlorophenol	11.76	232	27406	35.51	ng	91
59) Diethylphthalate	12.06	149	154212	41.75	ng	97
60) 4-Chlorophenyl-phenylether	12.18	204	69154	40.69	ng	# 86
61) 4-Nitroaniline	12.24	138	41028	45.28	ng	97
62) Azobenzene	12.47	77	141438	41.95	ng	92
64) 4,6-Dinitro-2-methylphenol	12.32	198	4737	15.96	ng	78
65) n-Nitrosodiphenylamine	12.42	169	138893	37.90	ng	98
66) 4-Bromophenyl-phenylether	13.07	248	43492	38.76	ng	96
67) Hexachlorobenzene	13.12	284	45405	36.93	ng	99
68) Atrazine	13.50	200	40873	38.51	ng	97
69) Pentachlorophenol	13.53	266	7719	20.54	ng	95
70) Phenanthrene	13.87	178	232681	37.97	ng	100
71) Anthracene	13.97	178	237234	39.29	ng	100
72) Carbazole	14.31	167	221623	39.16	ng	99
73) Di-n-butylphthalate	14.99	149	265143	41.36	ng	99
74) Fluoranthene	15.77	202	264394	40.91	ng	96
76) Benzidine	16.05	184	188185	42.00	ng	99
77) Pyrene	16.09	202	276131	37.80	ng	99
79) Butylbenzylphthalate	17.09	149	121754	43.73	ng	# 79
80) Benzo(a)anthracene	17.70	228	263206	38.02	ng	99
81) 3,3'-Dichlorobenzidine	17.71	252	92516	39.90	ng	# 97
82) Chrysene	17.75	228	257709	39.62	ng	99
83) Bis(2-ethylhexyl)phthalate	17.85	149	178456	40.87	ng	98
84) Di-n-octyl phthalate	18.63	149	319807	44.60	ng	# 100
85) Indeno(1,2,3-cd)pyrene	20.57	276	307931	41.72	ng	# 88
87) Benzo(b)fluoranthene	18.99	252	270565	36.21	ng	99
88) Benzo(k)fluoranthene	18.99	252	270545	40.74	ng	# 95
89) Benzo(a)pyrene	19.35	252	257242	39.45	ng	# 95
90) Dibenzo(a,h)anthracene	20.59	278	246915	37.82	ng	100
91) Benzo(g,h,i)perylene	20.88	276	243301	37.17	ng	98

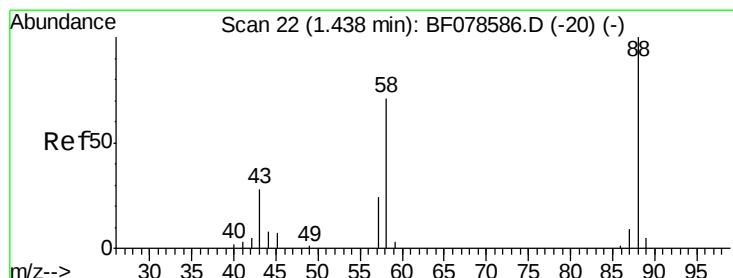
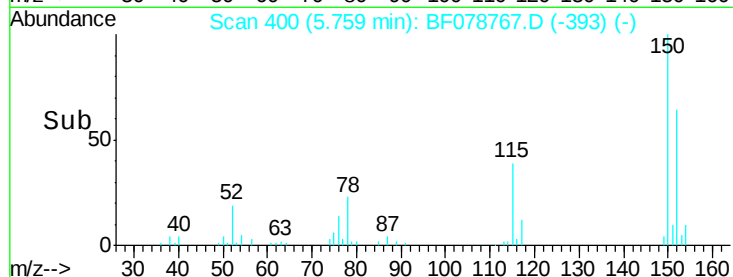
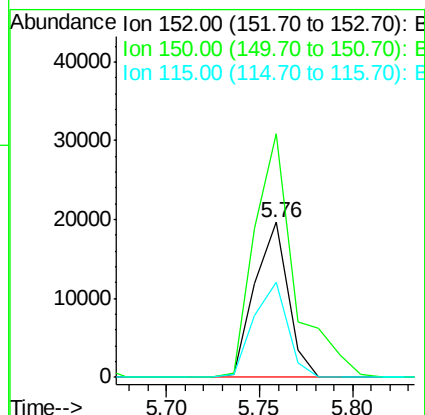
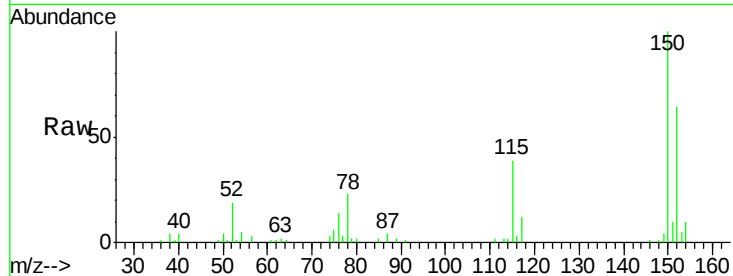
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.76 min Scan# 400
 Delta R.T. -0.02 min
 Lab File: BF078767.D
 Acq: 24 Apr 2015 3:15

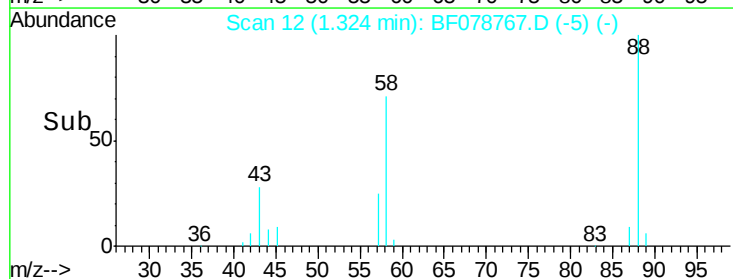
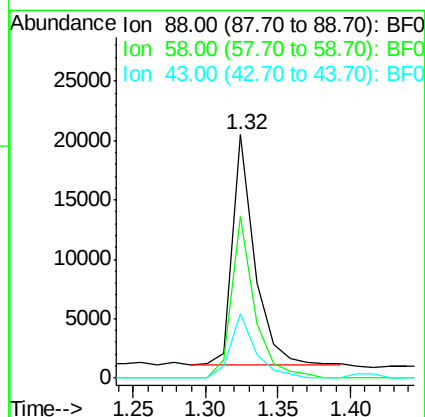
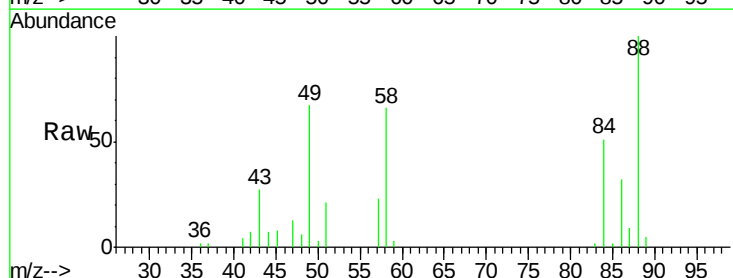
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

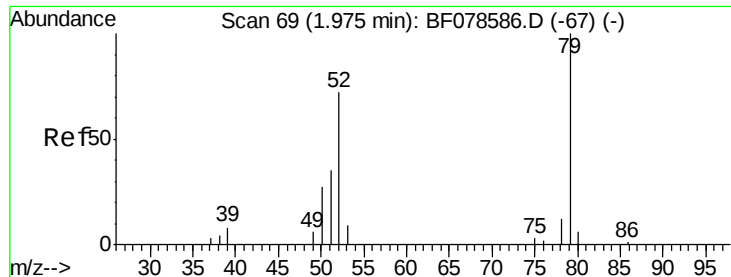
Tgt Ion:152 Resp: 24253
 Ion Ratio Lower Upper
 152 100
 150 157.4 125.9 188.9
 115 61.1 52.7 79.1



#2
 1,4-Dioxane
 Concen: 30.79 ng
 RT: 1.32 min Scan# 12
 Delta R.T. -0.02 min
 Lab File: BF078767.D
 Acq: 24 Apr 2015 3:15

Tgt Ion: 88 Resp: 20478
 Ion Ratio Lower Upper
 88 100
 58 72.9 56.9 85.3
 43 31.4 21.4 32.2

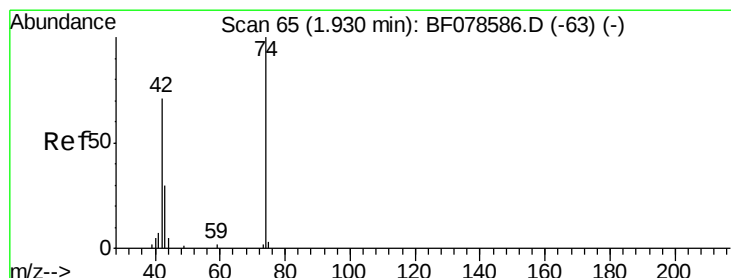
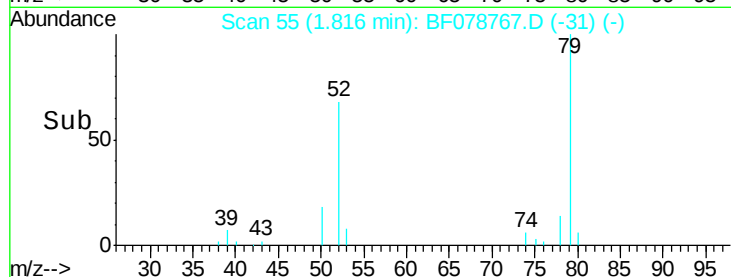
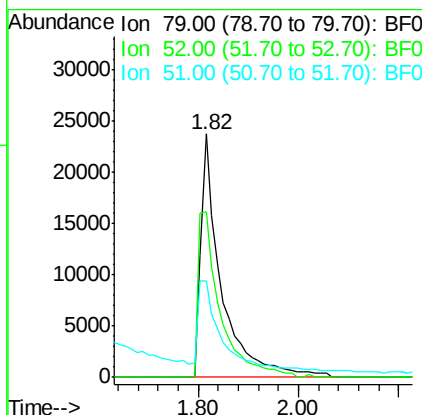
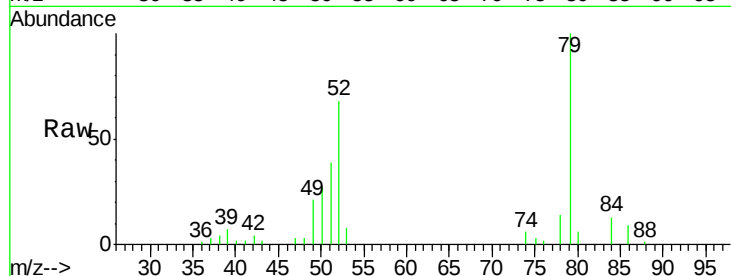




#3
 Pyridine
 Concen: 38.29 ng
 RT: 1.82 min Scan# 55
 Delta R.T. -0.02 min
 Lab File: BF078767.D
 Acq: 24 Apr 2015 3:15

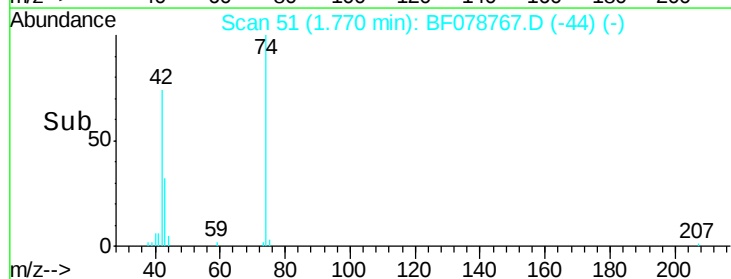
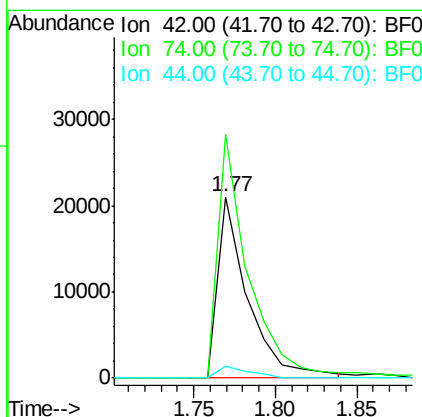
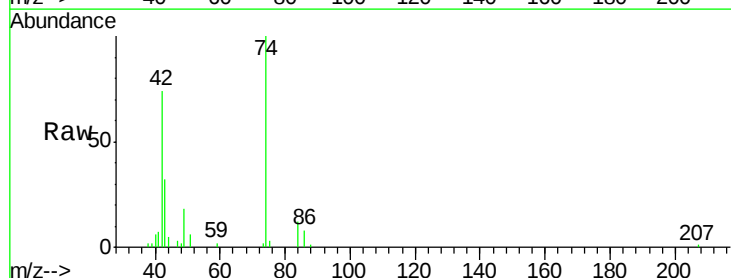
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

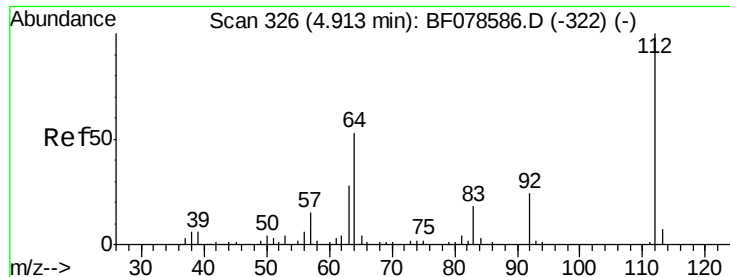
Tgt Ion: 79 Resp: 66721
 Ion Ratio Lower Upper
 79 100
 52 68.2 52.4 78.6
 51 39.5 24.9 37.3#



#4
 n-Nitrosodimethylamine
 Concen: 40.32 ng
 RT: 1.77 min Scan# 51
 Delta R.T. -0.02 min
 Lab File: BF078767.D
 Acq: 24 Apr 2015 3:15

Tgt Ion: 42 Resp: 27039
 Ion Ratio Lower Upper
 42 100
 74 134.6 118.7 178.1
 44 6.3 5.9 8.9





#5

2-Fluorophenol

Concen: 75.89 ng

RT: 3.77 min Scan# 226

Delta R.T. -0.02 min

Lab File: BF078767.D

Acq: 24 Apr 2015 3:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

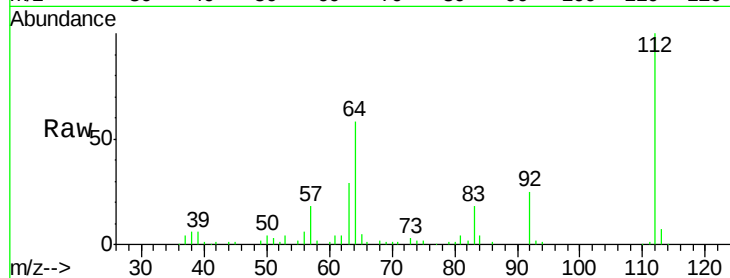
Tgt Ion: 112 Resp: 111633

Ion Ratio Lower Upper

112 100

64 57.7 39.9 59.9

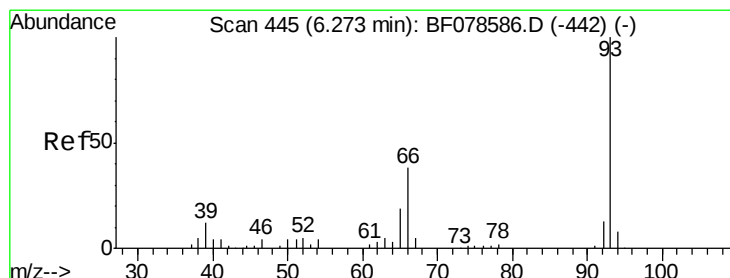
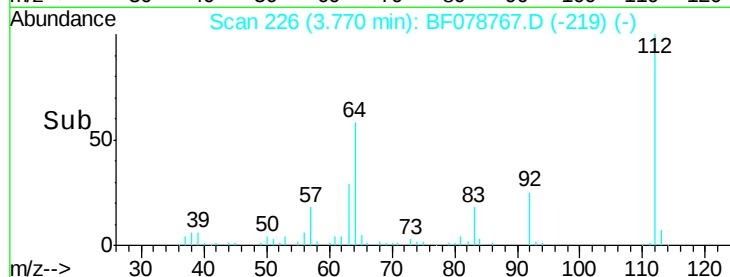
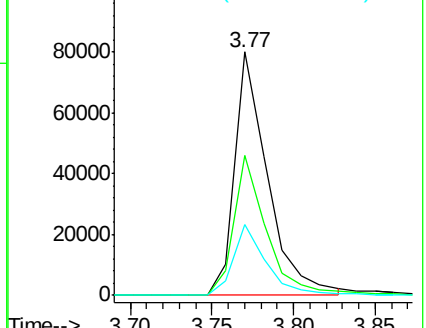
63 29.3 20.2 30.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 40.90 ng

RT: 5.24 min Scan# 355

Delta R.T. -0.02 min

Lab File: BF078767.D

Acq: 24 Apr 2015 3:15

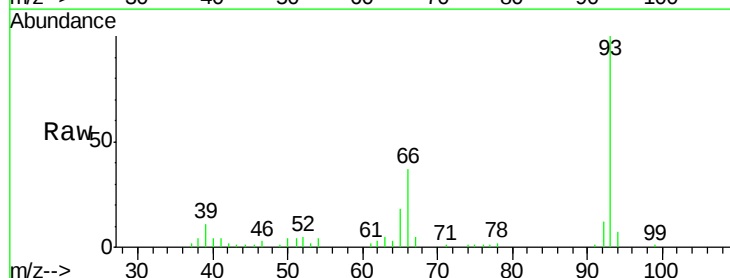
Tgt Ion: 93 Resp: 106918

Ion Ratio Lower Upper

93 100

66 36.5 38.0 57.0#

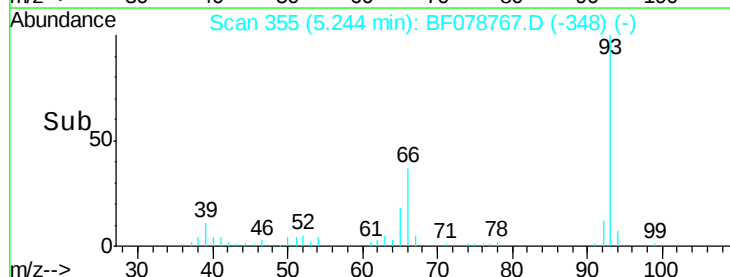
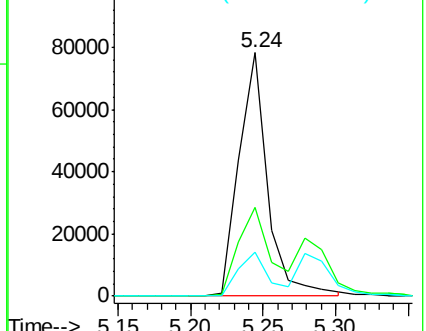
65 18.2 16.3 24.5

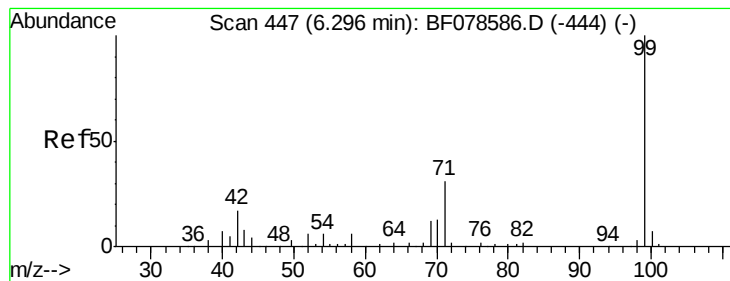


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 80.83 ng

RT: 5.27 min Scan# 357

Delta R.T. -0.02 min

Lab File: BF078767.D

Acq: 24 Apr 2015 3:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

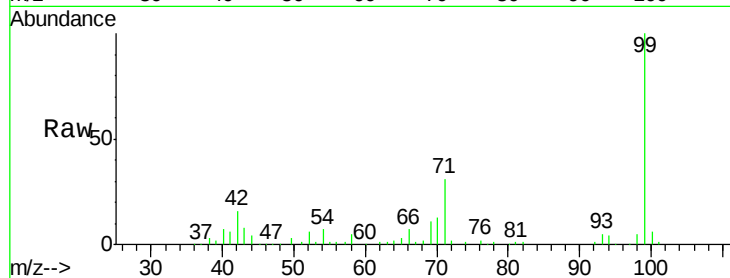
Tgt Ion: 99 Resp: 149002

Ion Ratio Lower Upper

99 100

42 15.8 14.8 22.2

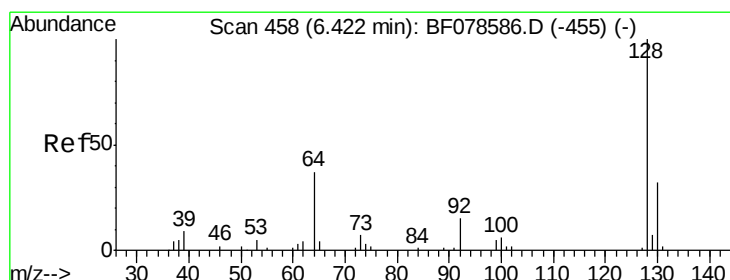
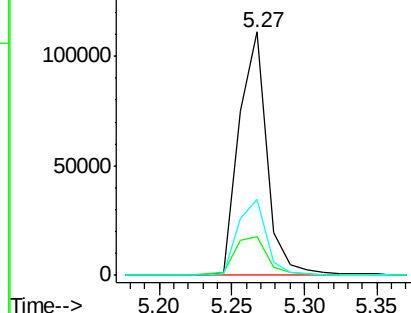
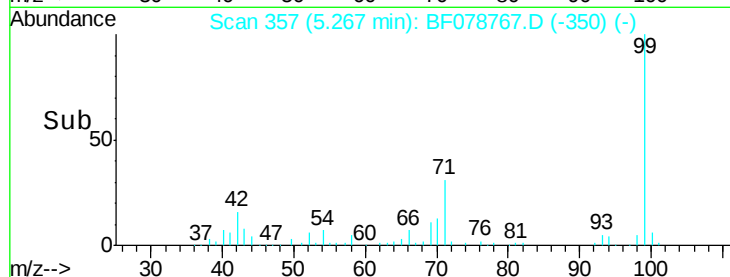
71 31.2 26.6 39.8



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: 38.76 ng

RT: 5.42 min Scan# 370

Delta R.T. -0.03 min

Lab File: BF078767.D

Acq: 24 Apr 2015 3:15

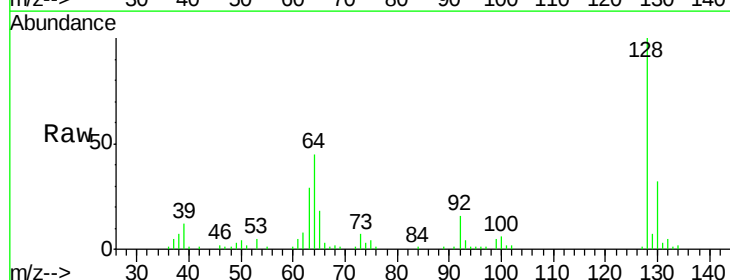
Tgt Ion: 128 Resp: 67410

Ion Ratio Lower Upper

128 100

130 31.7 12.3 52.3

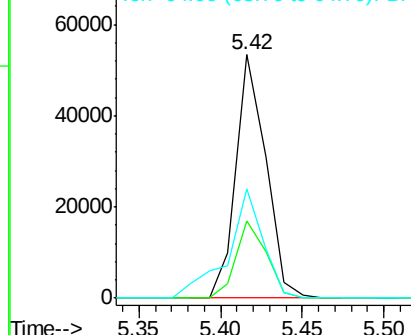
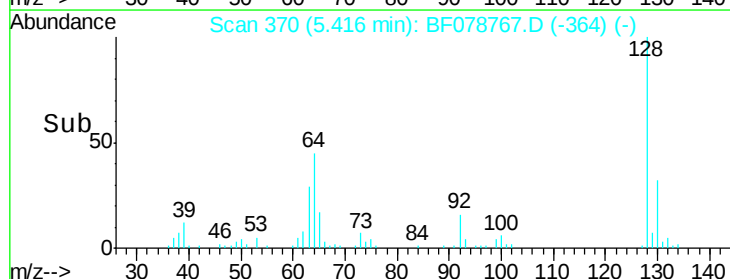
64 44.8 23.8 63.8

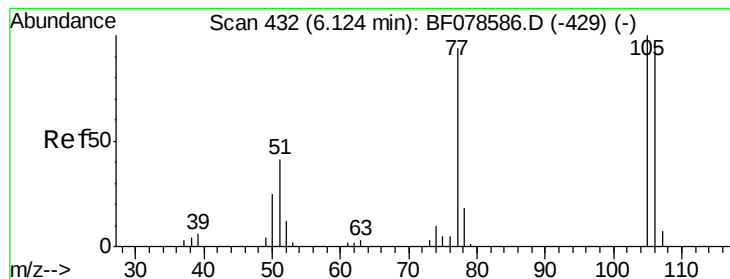


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 32.84 ng

RT: 5.06 min Scan# 339

Delta R.T. -0.03 min

Lab File: BF078767.D

Acq: 24 Apr 2015 3:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

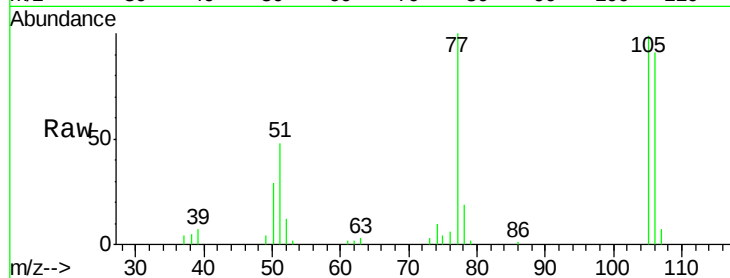
Tgt Ion: 77 Resp: 40126

Ion Ratio Lower Upper

77 100

105 99.4 85.4 125.4

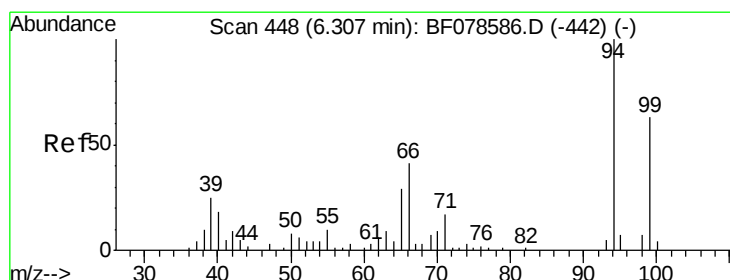
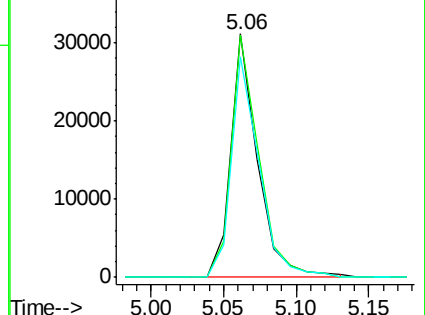
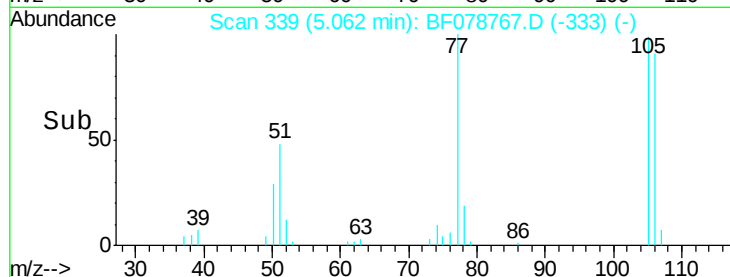
106 90.9 80.8 120.8



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 38.73 ng

RT: 5.28 min Scan# 358

Delta R.T. -0.03 min

Lab File: BF078767.D

Acq: 24 Apr 2015 3:15

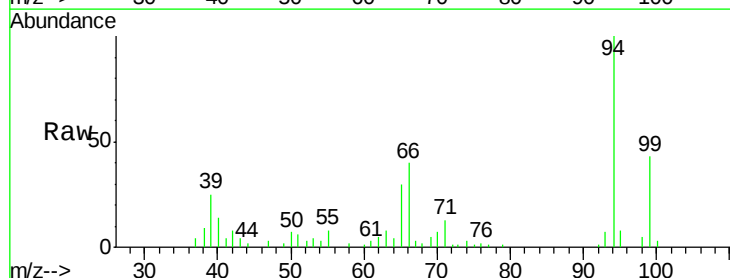
Tgt Ion: 94 Resp: 85554

Ion Ratio Lower Upper

94 100

65 29.5 4.9 44.9

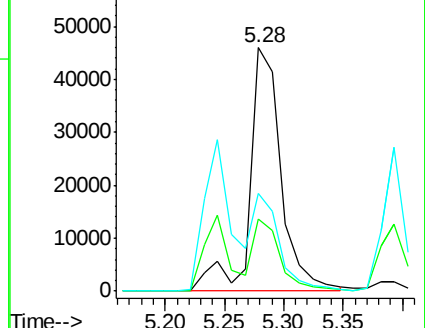
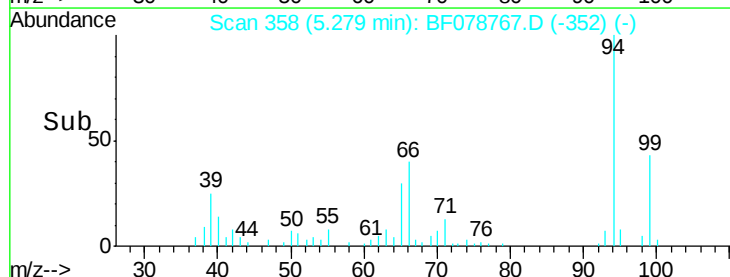
66 40.2 13.8 53.8

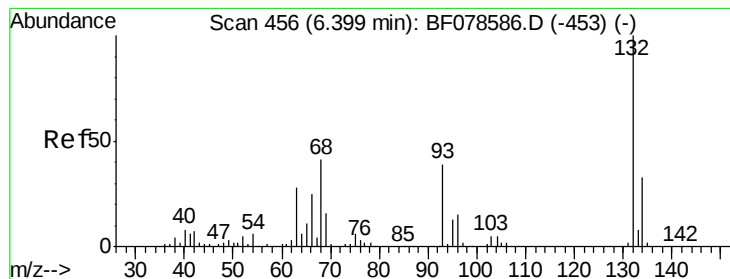


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

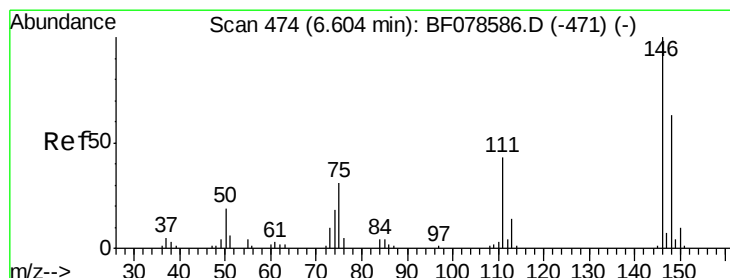
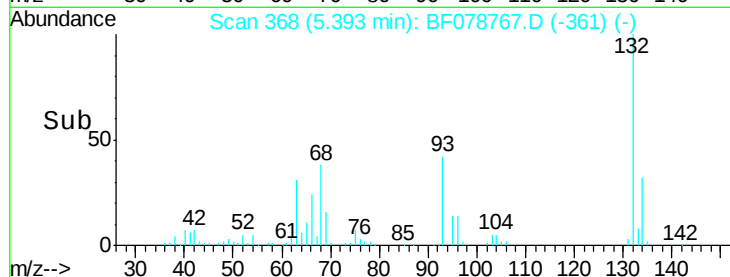
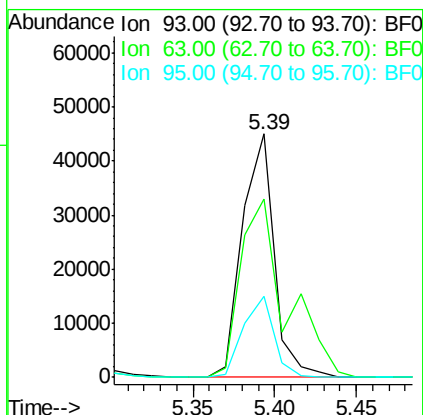
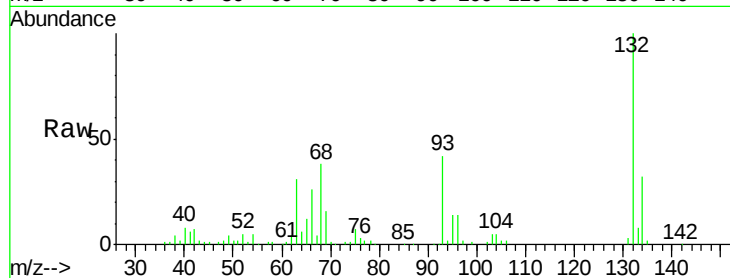




#11
bis(2-Chloroethyl)ether
Concen: 38.26 ng
RT: 5.39 min Scan# 368
Delta R.T. -0.02 min
Lab File: BF078767.D
Acq: 24 Apr 2015 3:15

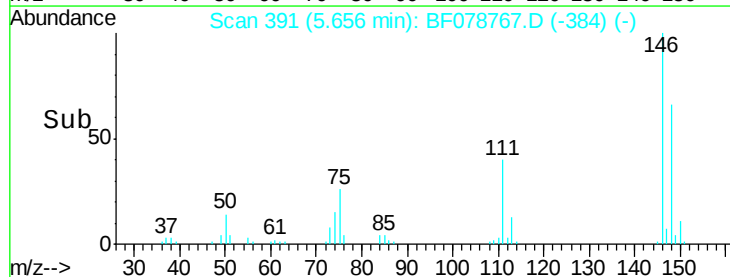
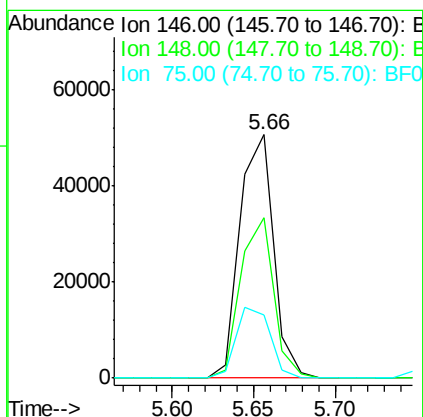
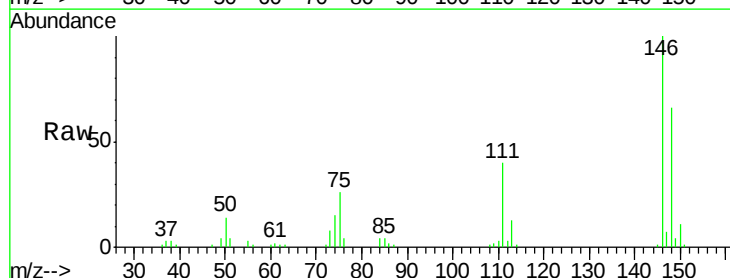
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 60775
Ion Ratio Lower Upper
93 100
63 73.0 54.6 94.6
95 33.2 13.6 53.6



#12
1,3-Dichlorobenzene
Concen: 37.91 ng
RT: 5.66 min Scan# 391
Delta R.T. -0.02 min
Lab File: BF078767.D
Acq: 24 Apr 2015 3:15

Tgt Ion: 146 Resp: 72433
Ion Ratio Lower Upper
146 100
148 65.8 49.1 73.7
75 25.9 26.6 40.0#

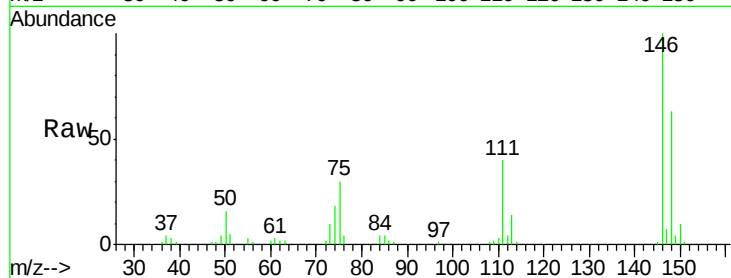




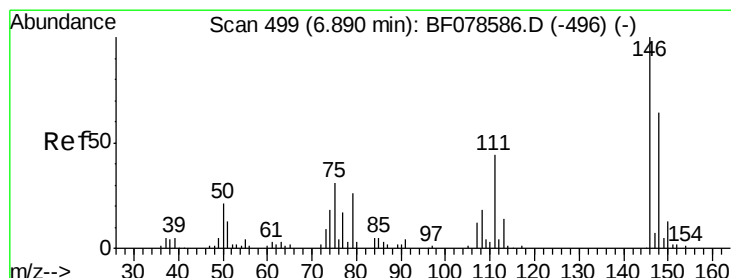
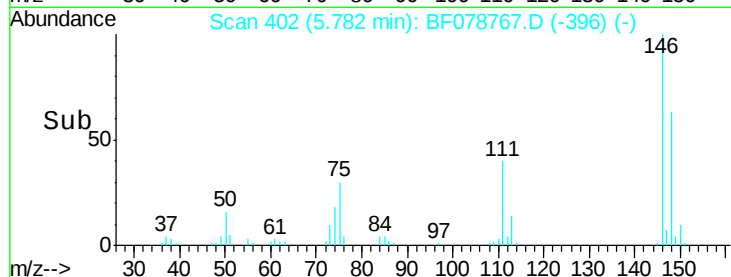
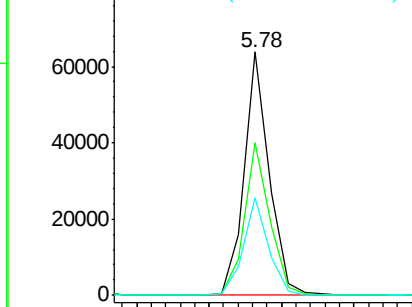
#13
 1,4-Dichlorobenzene
 Concen: 39.54 ng
 RT: 5.78 min Scan# 402
 Delta R.T. -0.03 min
 Lab File: BF078767.D
 Acq: 24 Apr 2015 3:15

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tgt Ion:146 Resp: 76047
 Ion Ratio Lower Upper
 146 100
 148 62.5 51.4 77.0
 111 40.1 35.0 52.4

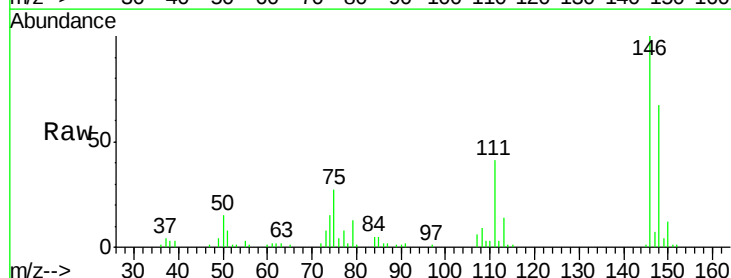


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

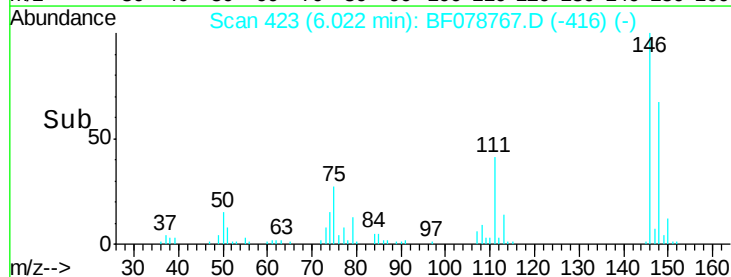
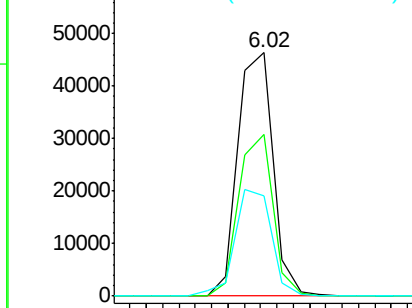


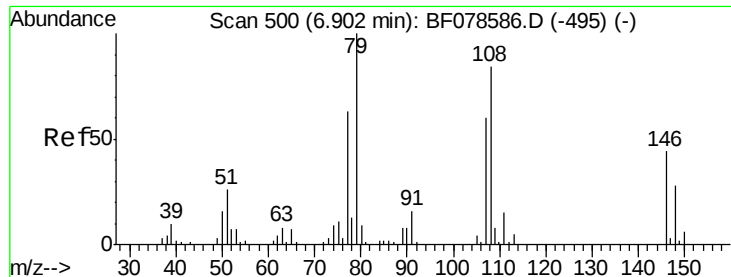
#14
 1,2-Dichlorobenzene
 Concen: 38.53 ng
 RT: 6.02 min Scan# 423
 Delta R.T. -0.02 min
 Lab File: BF078767.D
 Acq: 24 Apr 2015 3:15

Tgt Ion:146 Resp: 69485
 Ion Ratio Lower Upper
 146 100
 148 66.6 50.2 75.4
 111 41.1 36.1 54.1



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





#15

Benzyl Alcohol

Concen: 43.25 ng

RT: 6.03 min Scan# 424

Delta R.T. -0.03 min

Lab File: BF078767.D

Acq: 24 Apr 2015 3:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

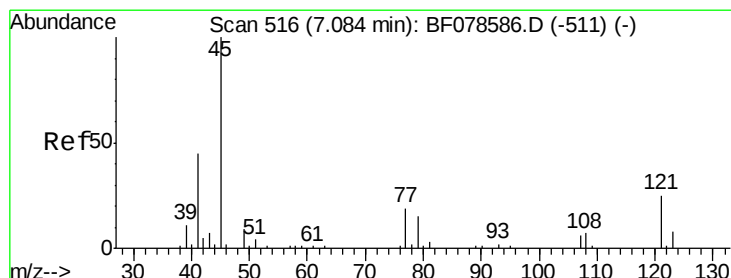
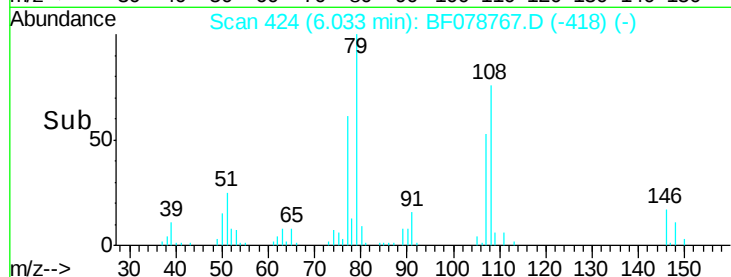
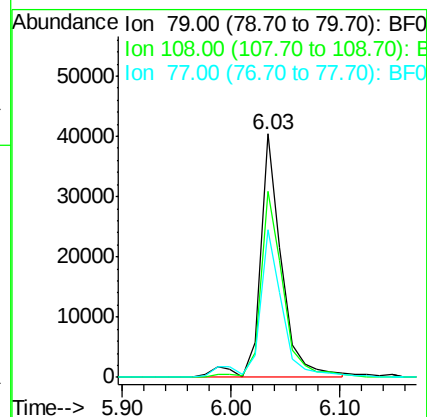
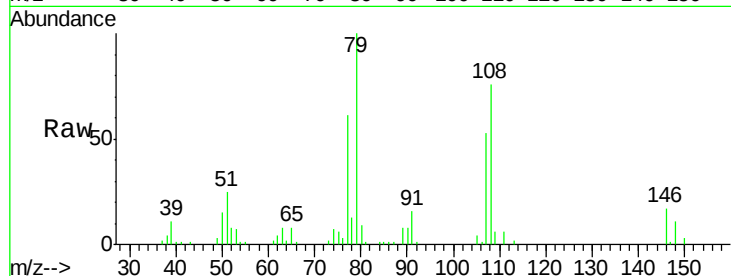
Tgt Ion: 79 Resp: 56029

Ion Ratio Lower Upper

79 100

108 76.2 57.6 86.4

77 60.9 53.5 80.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.38 ng

RT: 6.27 min Scan# 445

Delta R.T. -0.03 min

Lab File: BF078767.D

Acq: 24 Apr 2015 3:15

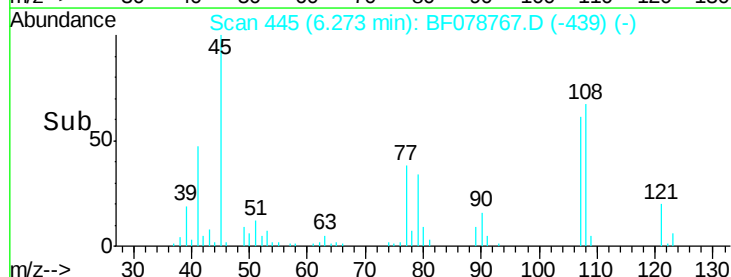
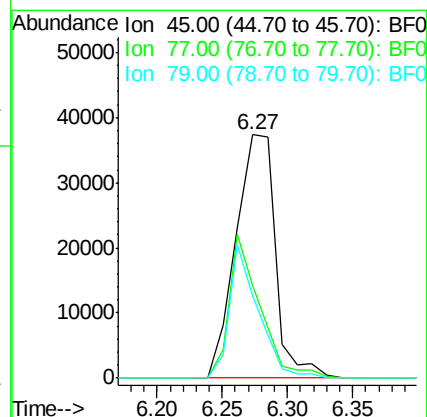
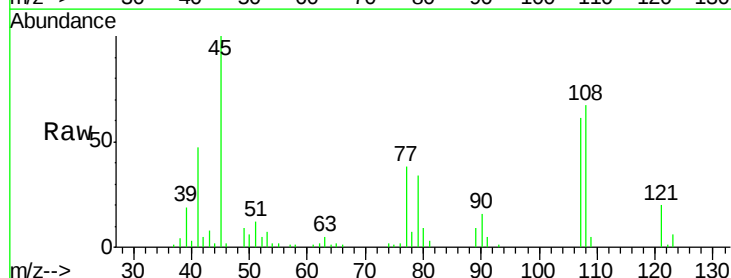
Tgt Ion: 45 Resp: 79202

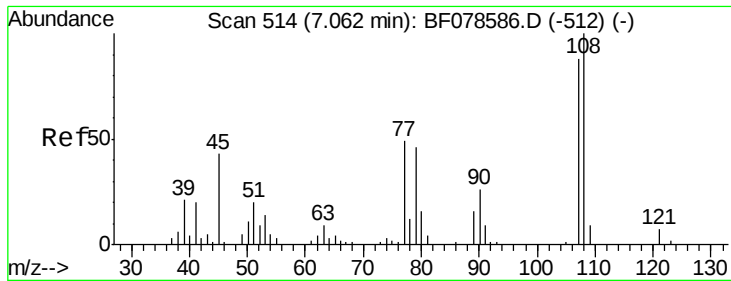
Ion Ratio Lower Upper

45 100

77 37.9 0.0 34.5#

79 33.9 0.0 31.9#

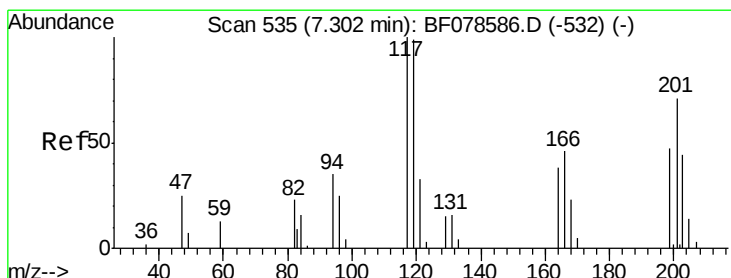
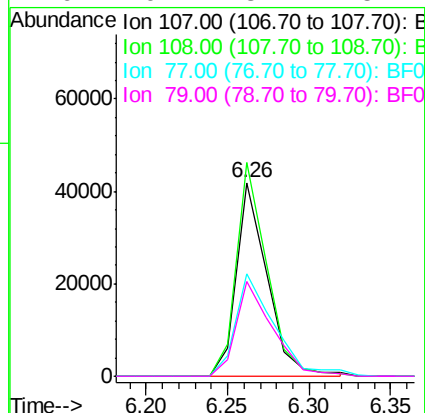
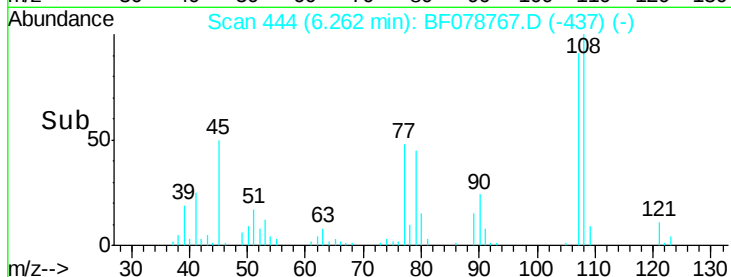
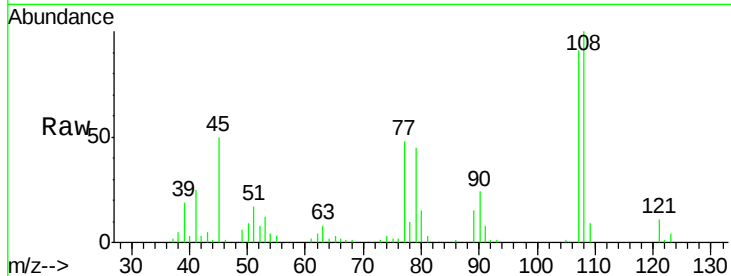




#17
2-Methylphenol
Concen: 40.42 ng
RT: 6.26 min Scan# 444
Delta R.T. -0.02 min
Lab File: BF078767.D
Acq: 24 Apr 2015 3:15

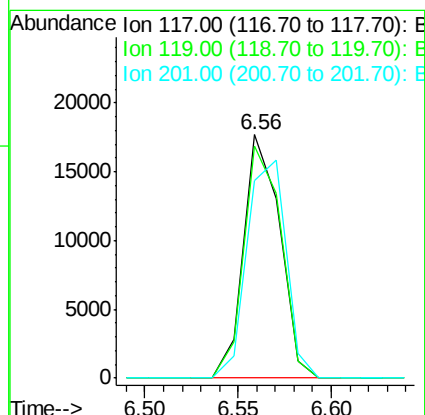
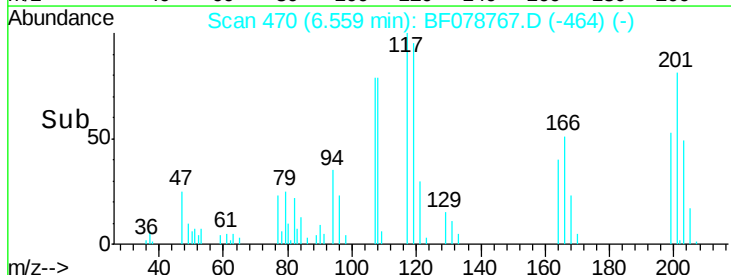
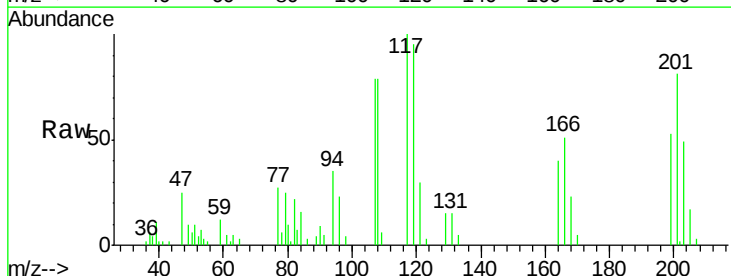
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

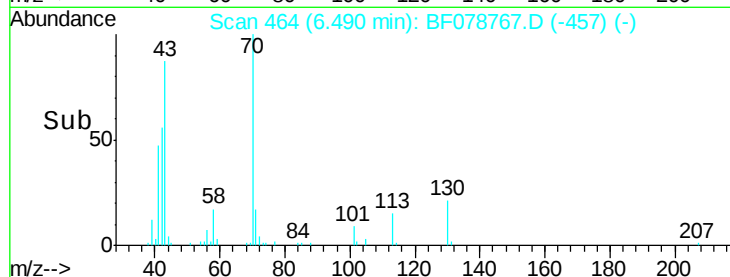
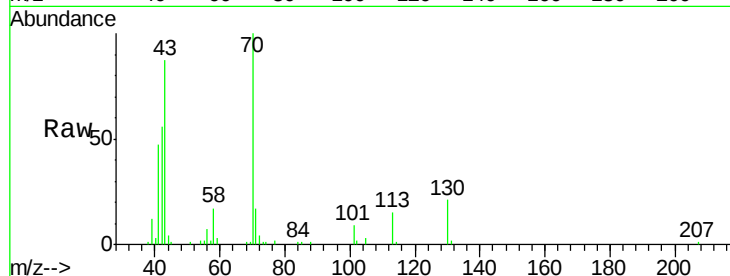
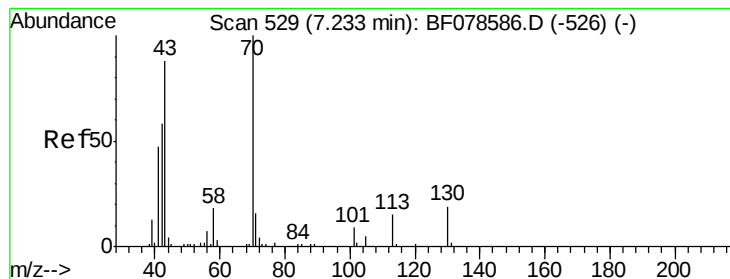
Tgt Ion:	107	Resp:	54590
Ion	Ratio	Lower	Upper
107	100		
108	110.1	90.3	135.5
77	52.7	35.5	53.3
79	49.1	34.2	51.4



#18
Hexachloroethane
Concen: 36.80 ng
RT: 6.56 min Scan# 470
Delta R.T. -0.03 min
Lab File: BF078767.D
Acq: 24 Apr 2015 3:15

Tgt Ion:	117	Resp:	23864
Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.0	115.6
201	81.1	98.1	147.1#





#19

n-Nitroso-di-n-propylamine

Concen: 40.97 ng

RT: 6.49 min Scan# 464

Delta R.T. -0.02 min

Lab File: BF078767.D

Acq: 24 Apr 2015 3:15

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 49831

Ion Ratio Lower Upper

70 100

42 56.0 38.9 58.3

101 8.6 8.3 12.5

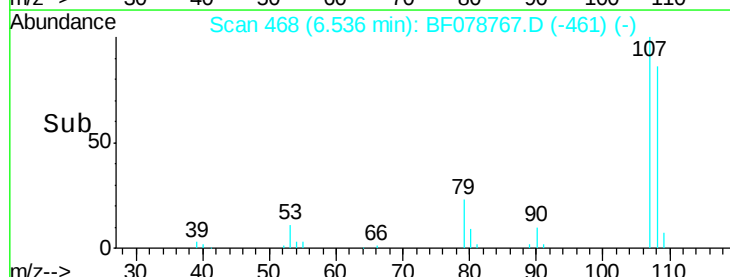
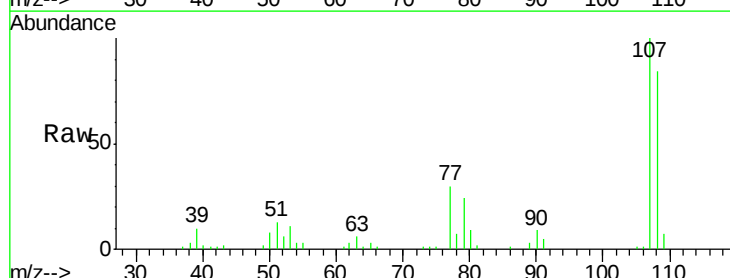
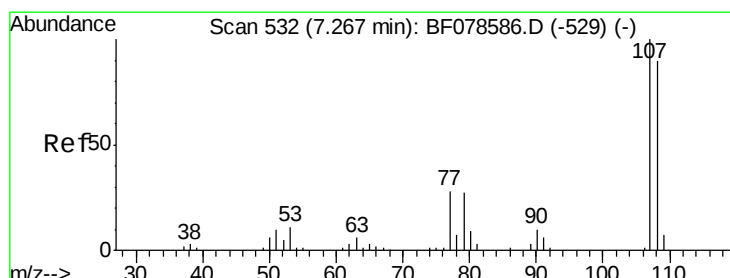
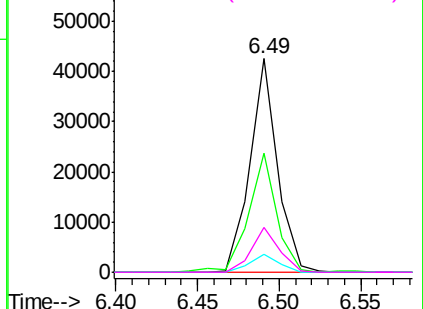
130 20.9 19.8 29.8

Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20

3+4-Methylphenols

Concen: 38.03 ng

RT: 6.54 min Scan# 468

Delta R.T. -0.02 min

Lab File: BF078767.D

Acq: 24 Apr 2015 3:15

Tgt Ion: 107 Resp: 68505

Ion Ratio Lower Upper

107 100

108 84.4 64.4 104.4

77 30.3 9.7 49.7

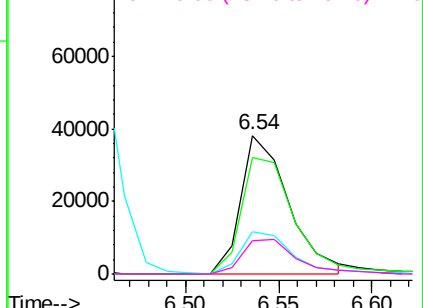
79 24.0 4.0 44.0

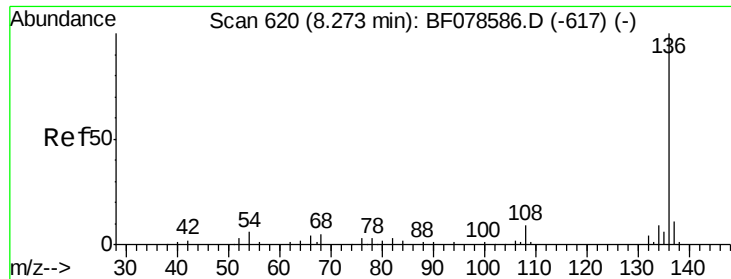
Abundance Ion 107.00 (106.70 to 107.70): E

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

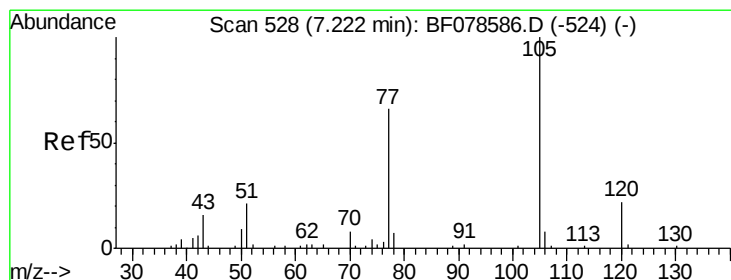
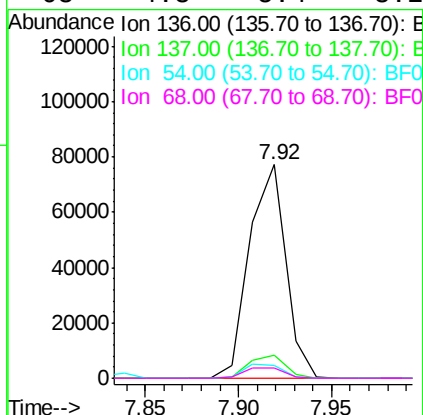
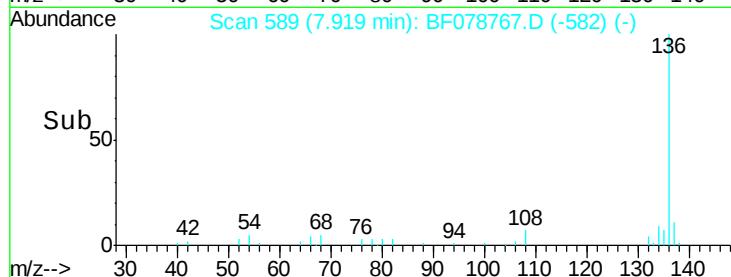
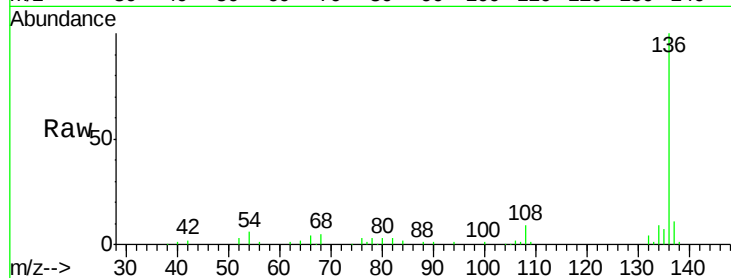




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 589
Delta R.T. -0.02 min
Lab File: BF078767.D
Acq: 24 Apr 2015 3:15

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:	136	Resp:	104406
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	6.3	7.0	10.6#
68	4.8	5.4	8.2#



#22
Acetophenone
Concen: 38.53 ng
RT: 6.46 min Scan# 461
Delta R.T. -0.03 min
Lab File: BF078767.D
Acq: 24 Apr 2015 3:15

Tgt Ion:	105	Resp:	93724
Ion	Ratio	Lower	Upper
105	100		
71	0.0	5.5	8.3#
51	24.8	16.0	24.0#
120	20.4	17.8	26.6

