Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090415\
Data File : BF081433.D
Acq On : 4 Sep 2015 22:26
Operator : UM/IZ
Sample : G3526-05MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-11(5-7)MS

Manual Integrations APPROVED
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9/8/2015 1:57:09 PM

Quant Time: Sep 07 01:45:20 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 07 01:02:00 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.36	152	60589	20.00	ng		0.00
21) Naphthalene-d8	7.64	136	233672	20.00	ng		-0.01
38) Acenaphthene-d10	9.39	164	113336	20.00	ng		0.00
63) Phenanthrene-d10	10.86	188	214255	20.00	ng		0.00
75) Chrysene-d12	13.46	240	156187	20.00	ng		0.00
86) Perylene-d12	14.77	264	112035	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	4.91	112	449967	115.22	ng		0.01
7) Phenol-d6	6.03	99	573188	110.89	ng		0.00
23) Nitrobenzene-d5	6.94	82	365902	75.55	ng		-0.01
41) 2,4,6-Tribromophenol	10.18	330	107145	106.17	ng		0.00
44) 2-Fluorobiphenyl	8.73	172	561002	63.43	ng		-0.01
78) Terphenyl-d14	12.43	244	460848	68.69	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	1.74	88	55724	31.77	ng	#	89
3) Pyridine	2.27	79	173332	35.84	ng		92
4) n-Nitrosodimethylamine	2.24	42	107579	40.04	ng	#	77
6) Aniline	6.02	93	167154	22.90	ng	#	78
8) 2-Chlorophenol	6.15	128	169408	39.37	ng		89
9) Benzaldehyde	5.90	77	21010	6.49	ng	#	75
10) Phenol	6.04	94	218633	36.47	ng	#	49
11) bis(2-Chloroethyl)ether	6.11	93	172657	39.92	ng		86
12) 1,3-Dichlorobenzene	6.30	146	173272	37.69	ng	#	90
13) 1,4-Dichlorobenzene	6.38	146	170472	36.41	ng	#	88
14) 1,2-Dichlorobenzene	6.52	146	144252	34.22	ng	#	86
15) Benzyl Alcohol	6.52	79	154972	36.55	ng	#	70
16) 2,2'-oxybis(1-Chloropropan	6.66	45	343518	41.44	ng	#	2
17) 2-Methylphenol	6.66	107	138987	40.48	ng	#	77
18) Hexachloroethane	6.87	117	65053	35.72	ng		93
19) n-Nitroso-di-n-propylamine	6.80	70	129328	36.76	ng	#	88
20) 3+4-Methylphenols	6.82	107	181585	39.22	ng		89
22) Acetophenone	6.79	105	245515	38.47	ng	#	75
24) Nitrobenzene	6.96	77	219140	43.57	ng	#	67
25) Isophorone	7.20	82	340380	37.78	ng	#	81
26) 2-Nitrophenol	7.28	139	90580	41.32	ng	#	61
27) 2,4-Dimethylphenol	7.34	122	131004	34.60	ng	#	75
28) bis(2-Chloroethoxy)methane	7.43	93	196742	37.81	ng	#	91
29) 2,4-Dichlorophenol	7.53	162	130972	39.89	ng		97
30) 1,2,4-Trichlorobenzene	7.60	180	136955	38.40	ng		97
31) Naphthalene	7.67	128	436178	35.00	ng		98
32) Benzoic acid	7.45	122	14445	7.60	ng	#	63
33) 4-Chloroaniline	7.74	127	96667	19.02	ng	#	84
34) Hexachlorobutadiene	7.79	225	76705	35.34	ng		98
35) Caprolactam	8.11	113	45074m	44.76	ng		
36) 4-Chloro-3-methylphenol	8.25	107	153830	41.86	ng	#	84
37) 2-Methylnaphthalene	8.36	142	316487	39.03	ng	#	91
39) 1,2,4,5-Tetrachlorobenzene	8.52	216	115883	32.33	ng		98
40) Hexachlorocyclopentadiene	8.51	237	108992	61.96	ng		94

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090415\
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Sample : G3526-05MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-11(5-7)MS

Manual Integrations APPROVED
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Quant Time: Sep 07 01:45:20 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 07 01:02:00 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	8.65	196	85920	34.73	ng		99
43) 2,4,5-Trichlorophenol	8.70	196	86483	34.27	ng	#	81
45) 1,1'-Biphenyl	8.83	154	345961	33.18	ng		95
46) 2-Chloronaphthalene	8.84	162	274960	36.52	ng	#	90
47) 2-Nitroaniline	8.96	65	113724	37.06	ng		85
48) Acenaphthylene	9.26	152	443944	33.23	ng		98
49) Dimethylphthalate	9.15	163	416465	47.30	ng	#	97
50) 2,6-Dinitrotoluene	9.20	165	61305	30.67	ng	#	11
51) Acenaphthene	9.43	154	263677	34.70	ng		89
52) 3-Nitroaniline	9.36	138	51321	22.56	ng	#	31
53) 2,4-Dinitrophenol	9.47	184	30776	36.56	ng	#	21
54) Dibenzofuran	9.60	168	391362	35.27	ng		92
55) 4-Nitrophenol	9.56	139	108157	75.67	ng	#	53
56) 2,4-Dinitrotoluene	9.60	165	83736	32.91	ng	#	27
57) Fluorene	9.93	166	287226	34.11	ng		96
58) 2,3,4,6-Tetrachlorophenol	9.72	232	73487	38.14	ng		94
59) Diethylphthalate	9.84	149	323341	34.91	ng		95
60) 4-Chlorophenyl-phenylether	9.94	204	142061	36.20	ng		97
61) 4-Nitroaniline	9.98	138	80144	34.87	ng	#	37
62) Azobenzene	10.09	77	368396	35.77	ng	#	80
64) 4,6-Dinitro-2-methylphenol	10.01	198	38552	32.17	ng	#	73
65) n-Nitrosodiphenylamine	10.06	169	242280	31.08	ng		91
66) 4-Bromophenyl-phenylether	10.42	248	77398	35.73	ng		95
67) Hexachlorobenzene	10.48	284	75112	33.16	ng	#	76
68) Atrazine	10.59	200	78459	34.78	ng	#	82
69) Pentachlorophenol	10.67	266	74501	68.92	ng		99
70) Phenanthrene	10.88	178	420923	35.34	ng		97
71) Anthracene	10.92	178	396145	32.37	ng		97
72) Carbazole	11.10	167	436377	38.00	ng		96
73) Di-n-butylphthalate	11.45	149	519362	38.30	ng	#	98
74) Fluoranthene	12.04	202	410144	31.81	ng		93
76) Benzidine	12.19	184	115788	17.27	ng		98
77) Pyrene	12.27	202	469220	40.56	ng		98
79) Butylbenzylphthalate	12.93	149	196852	39.12	ng		93
80) Benzo(a)anthracene	13.45	228	345729	34.76	ng		97
81) 3,3'-Dichlorobenzidine	13.43	252	72134	21.50	ng	#	96
82) Chrysene	13.49	228	273293	30.65	ng		95
83) Bis(2-ethylhexyl)phthalate	13.49	149	232501	35.01	ng	#	87
84) Di-n-octyl phthalate	14.09	149	350580	32.06	ng		97
85) Indeno(1,2,3-cd)pyrene	15.84	276	258593	39.53	ng	#	90
87) Benzo(b)fluoranthene	14.45	252	324792m	40.61	ng		
88) Benzo(k)fluoranthene	14.47	252	186038m	28.03	ng		
89) Benzo(a)pyrene	14.72	252	240685	35.51	ng	#	86
90) Dibenzo(a,h)anthracene	15.85	278	211941	40.47	ng	#	82
91) Benzo(g,h,i)perylene	16.16	276	218346	43.68	ng	#	74

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

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Quant Time: Sep 07 01:45:20 2015
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QLast Update : Mon Sep 07 01:02:00 2015
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SB-11(5-7)MS

Manual Integrations APPROVED
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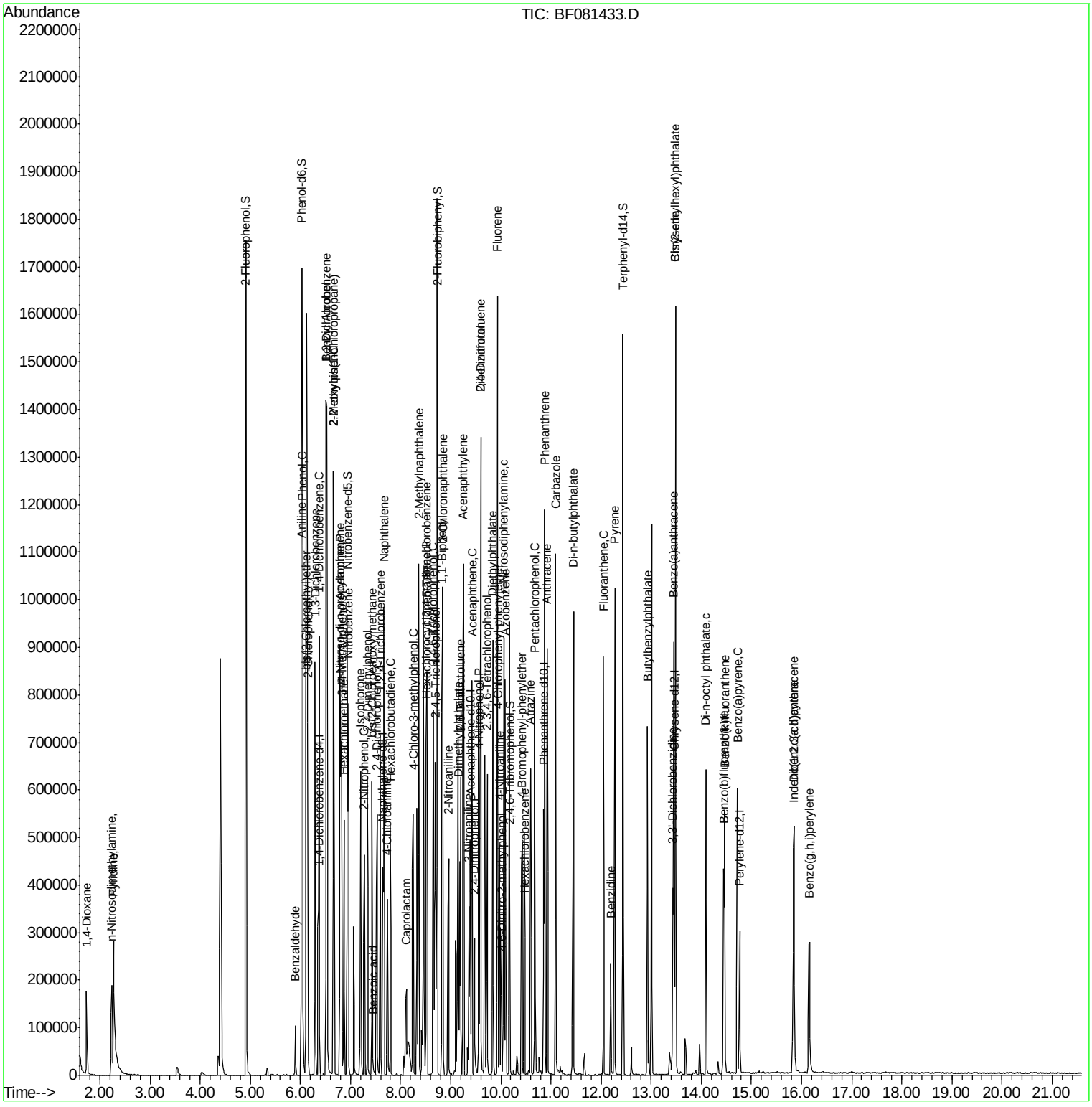
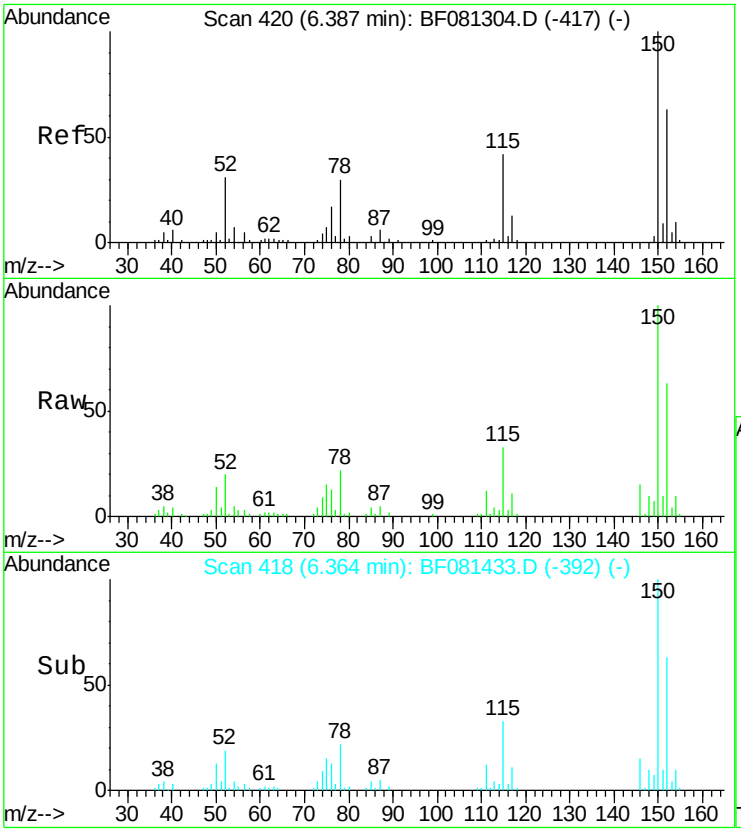
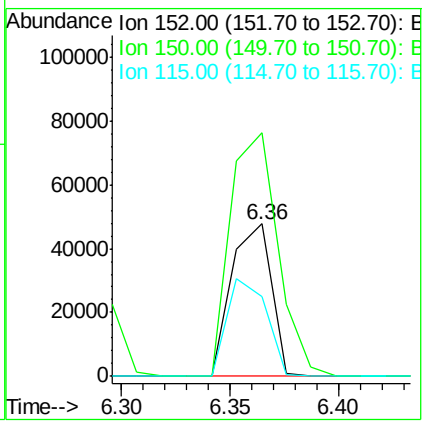




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.36 min Scan# 418
Delta R.T. 0.00 min
Lab File: BF081433.D
Acq: 4 Sep 2015 22:26

Tgt Ion:152 Resp: 60589

Ion	Ratio	Lower	Upper
152	100		
150	159.6	124.7	187.1
115	52.4	39.0	58.4



Instrument :
BNA_F
ClientSampleId :
SB-11(5-7)MS

Manual Integrations APPROVED
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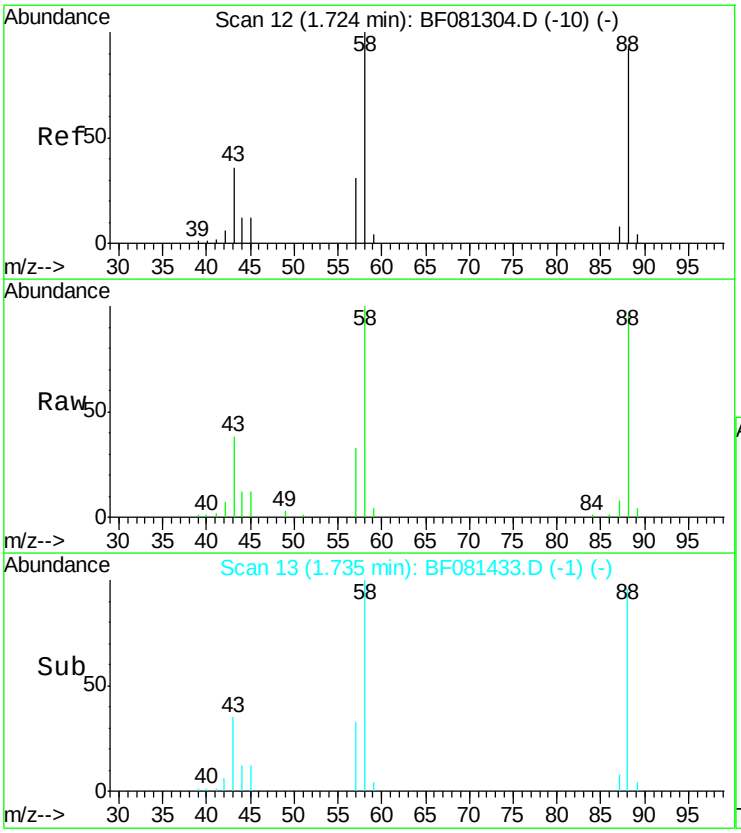
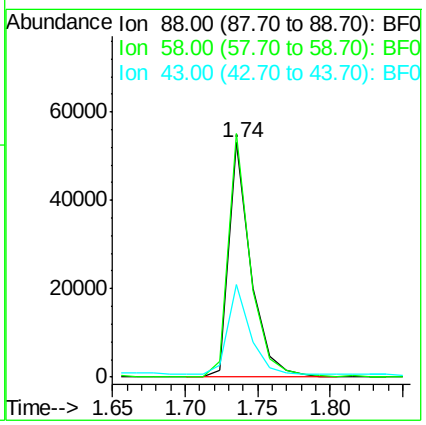
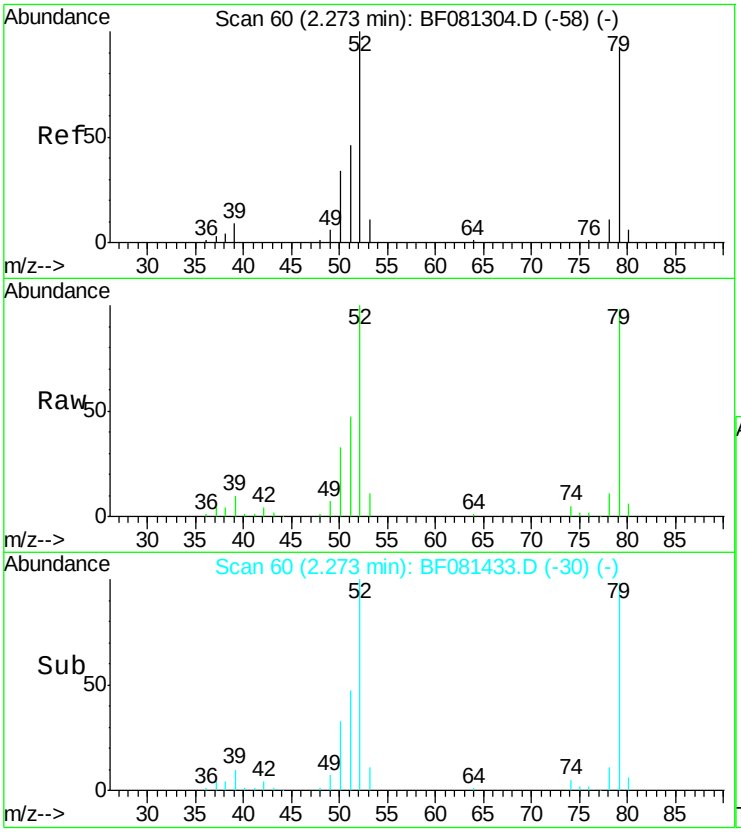


#2
1,4-Dioxane
Concen: 31.77 ng
RT: 1.74 min Scan# 13
Delta R.T. 0.06 min
Lab File: BF081433.D
Acq: 4 Sep 2015 22:26

Tgt Ion: 88 Resp: 55724

Ion	Ratio	Lower	Upper
88	100		
58	105.1	77.7	116.5
43	43.2	26.6	40.0#

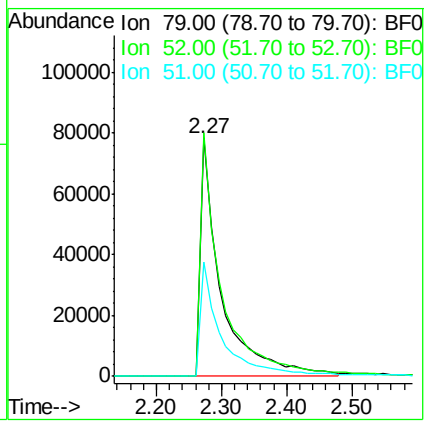




#3
Pyridine
Concen: 35.84 ng
RT: 2.27 min Scan# 60
Delta R.T. 0.05 min
Lab File: BF081433.D
Acq: 4 Sep 2015 22:26

Tgt Ion: 79 Resp: 173332

Ion	Ratio	Lower	Upper
79	100		
52	102.1	76.8	115.2
51	48.2	32.2	48.4



Instrument :
BNA_F
ClientSampleId :
SB-11(5-7)MS

Manual Integrations APPROVED
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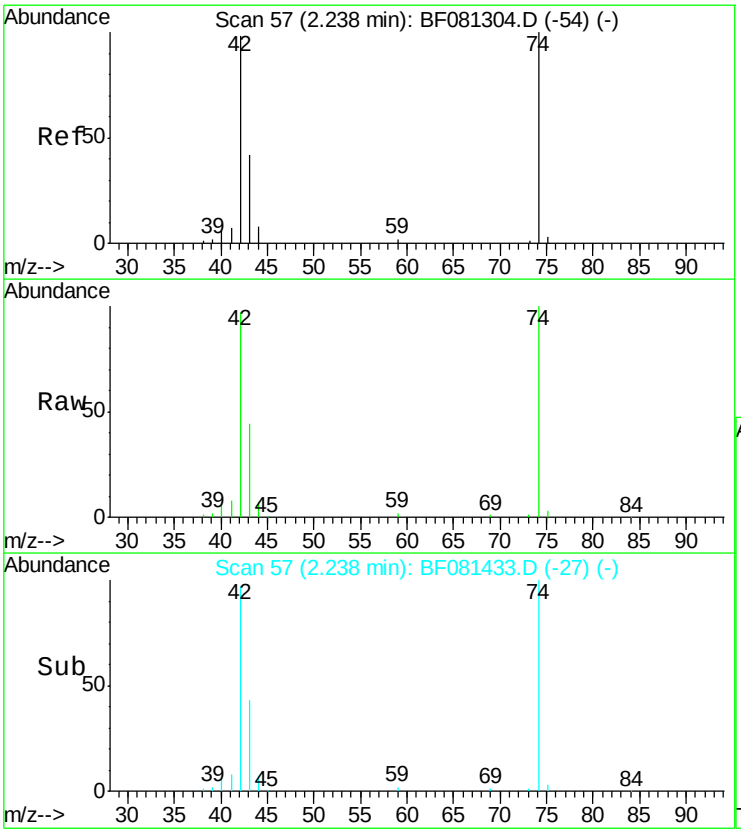
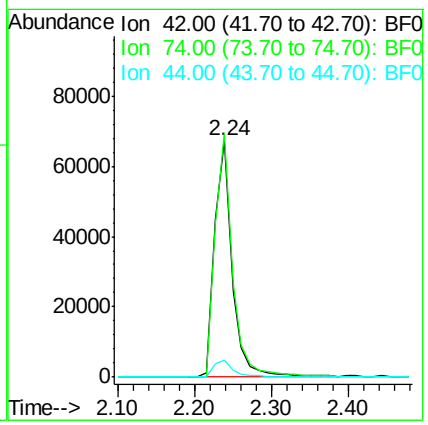
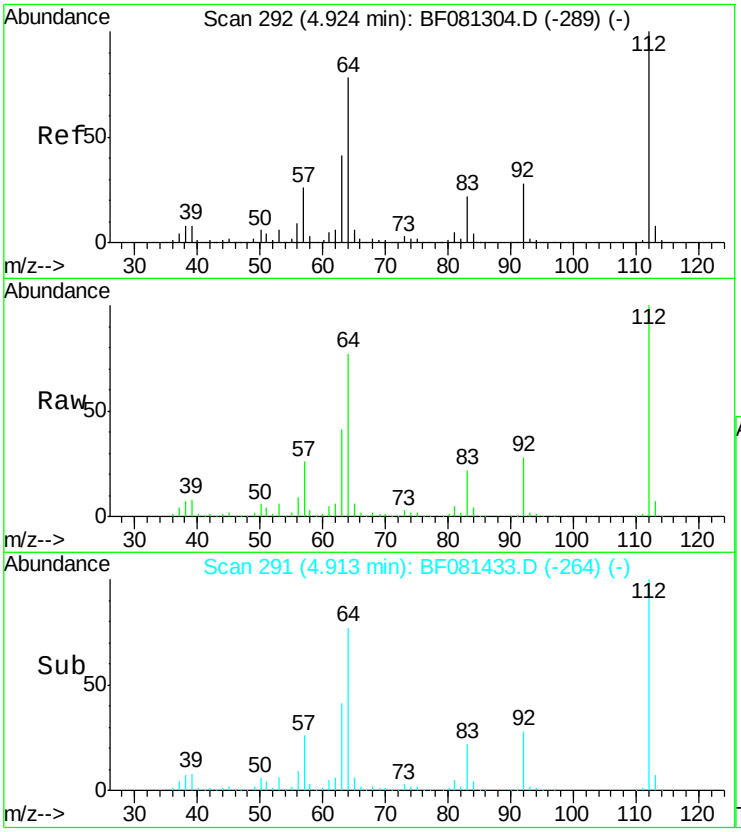


#4
n-Nitrosodimethylamine
Concen: 40.04 ng
RT: 2.24 min Scan# 57
Delta R.T. 0.05 min
Lab File: BF081433.D
Acq: 4 Sep 2015 22:26

Tgt Ion: 42 Resp: 107579

Ion	Ratio	Lower	Upper
42	100		
74	103.2	105.0	157.6#
44	7.2	6.6	10.0





#5
2-Fluorophenol
Concen: 115.22 ng
RT: 4.91 min Scan# 291
Delta R.T. 0.01 min
Lab File: BF081433.D
Acq: 4 Sep 2015 22:26

Tgt Ion:112 Resp: 449967

Ion	Ratio	Lower	Upper
112	100		
64	76.9	39.7	59.5#
63	41.1	17.4	26.0#

Instrument :
BNA_F
ClientSampleId :
SB-11(5-7)MS

Manual Integrations APPROVED
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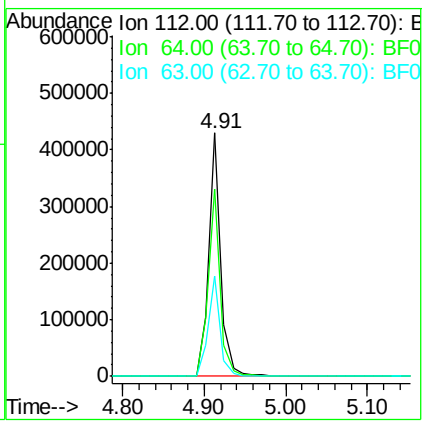
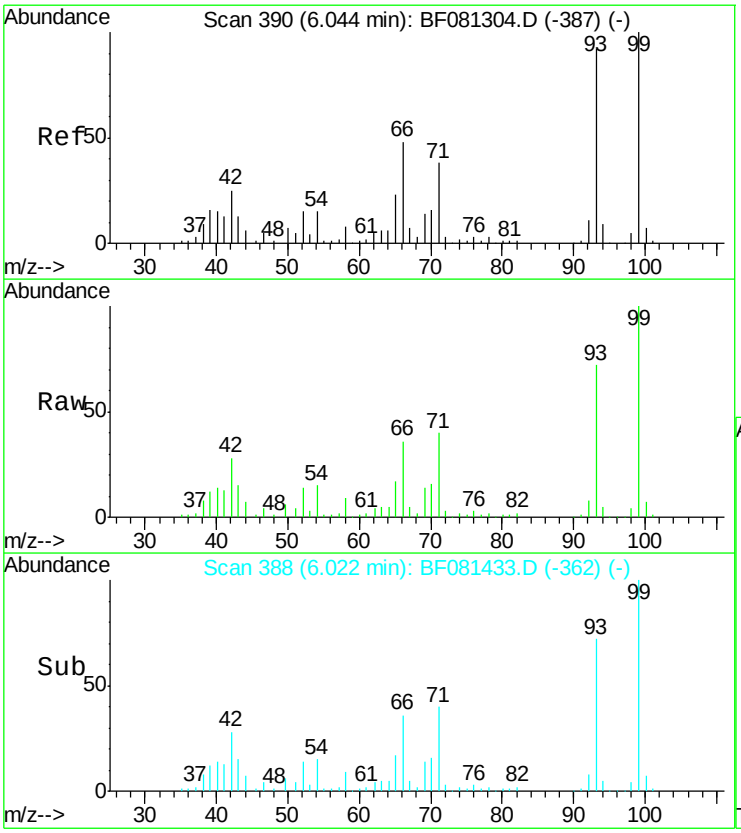
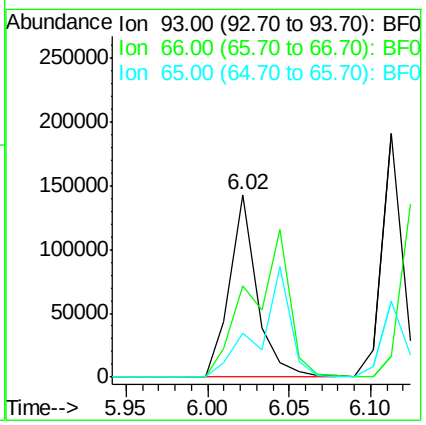


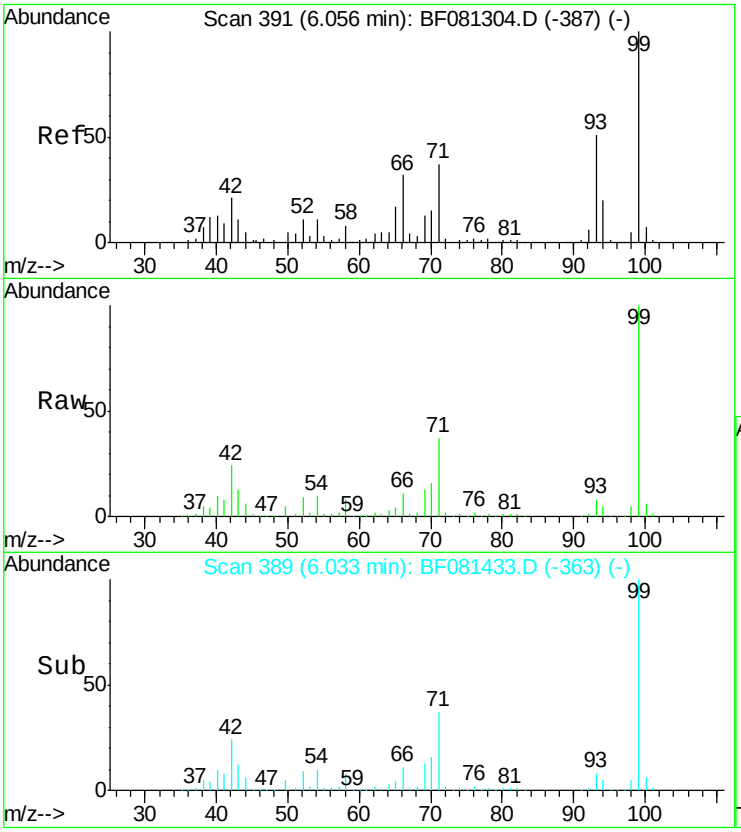


#6
Aniline
Concen: 22.90 ng
RT: 6.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: BF081433.D
Acq: 4 Sep 2015 22:26

Tgt Ion: 93 Resp: 167154

Ion	Ratio	Lower	Upper
93	100		
66	49.9	27.2	40.8#
65	23.8	14.7	22.1#





#7
Phenol-d6
Concen: 110.89 ng
RT: 6.03 min Scan# 389
Delta R.T. 0.00 min
Lab File: BF081433.D
Acq: 4 Sep 2015 22:26

Tgt Ion: 99 Resp: 573188

Ion	Ratio	Lower	Upper
99	100		
42	24.0	13.7	20.5#
71	37.0	14.2	21.2#

Instrument :
BNA_F
ClientSampleId :
SB-11(5-7)MS

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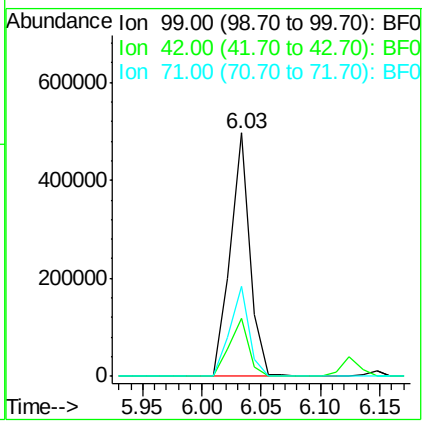
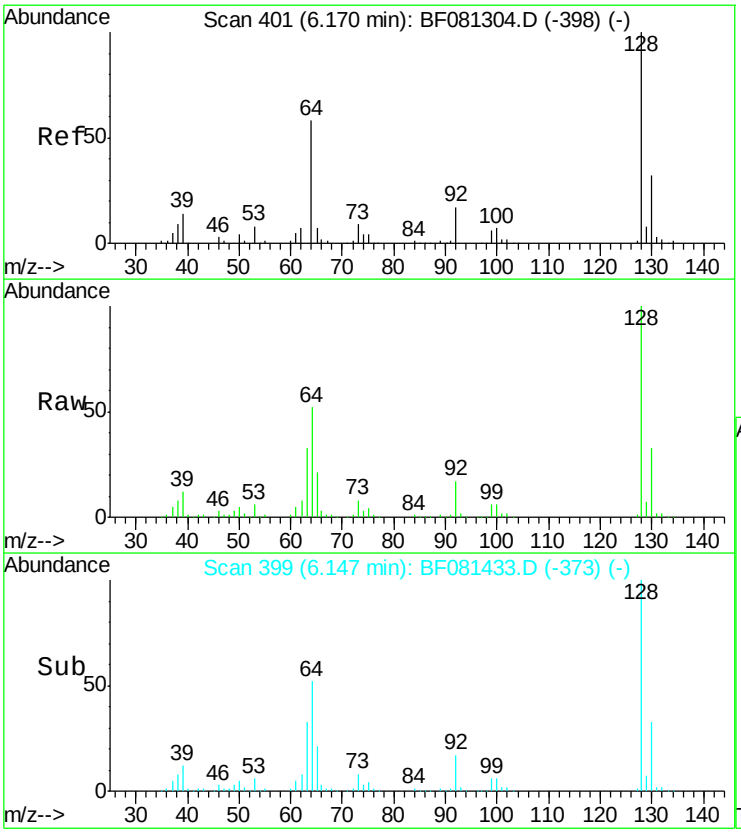
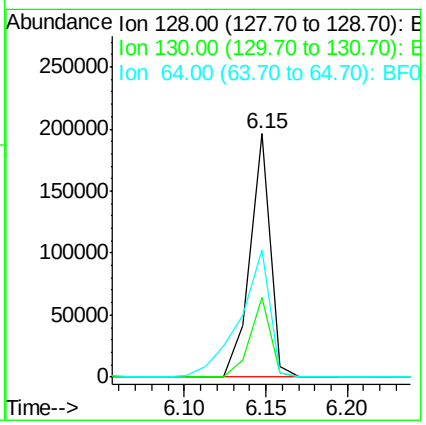


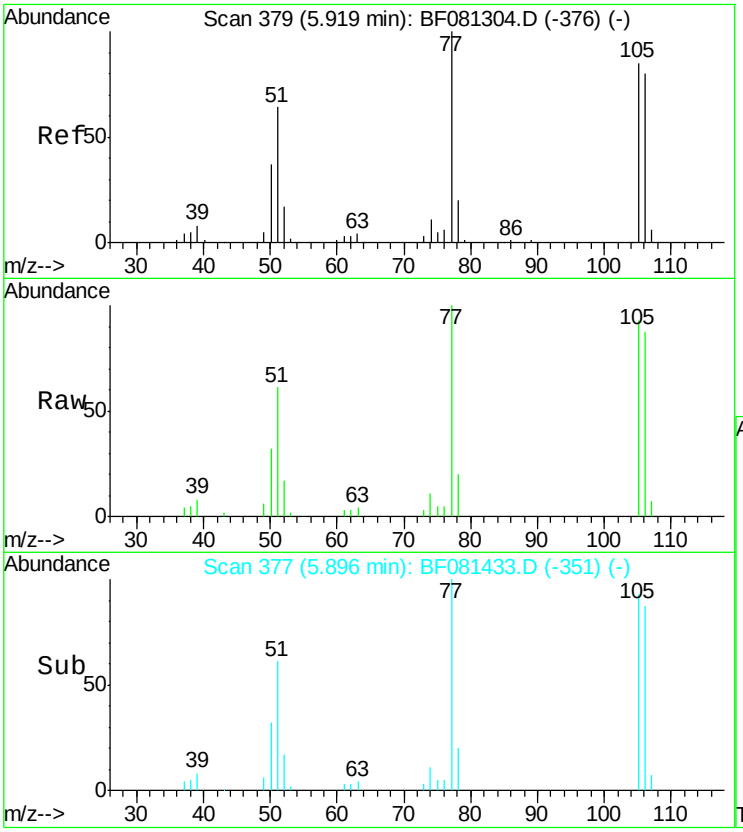


#8
2-Chlorophenol
Concen: 39.37 ng
RT: 6.15 min Scan# 399
Delta R.T. 0.00 min
Lab File: BF081433.D
Acq: 4 Sep 2015 22:26

Tgt Ion:128 Resp: 169408

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.2	52.2
64	52.1	20.5	60.5

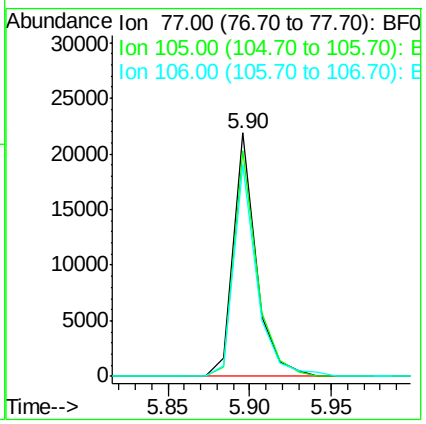




#9
Benzaldehyde
Concen: 6.49 ng
RT: 5.90 min Scan# 377
Delta R.T. 0.00 min
Lab File: BF081433.D
Acq: 4 Sep 2015 22:26

Tgt Ion: 77 Resp: 21010

Ion	Ratio	Lower	Upper
77	100		
105	92.8	91.6	131.6
106	87.1	102.6	142.6#



Instrument :
BNA_F
ClientSampleId :
SB-11(5-7)MS

Manual Integrations APPROVED
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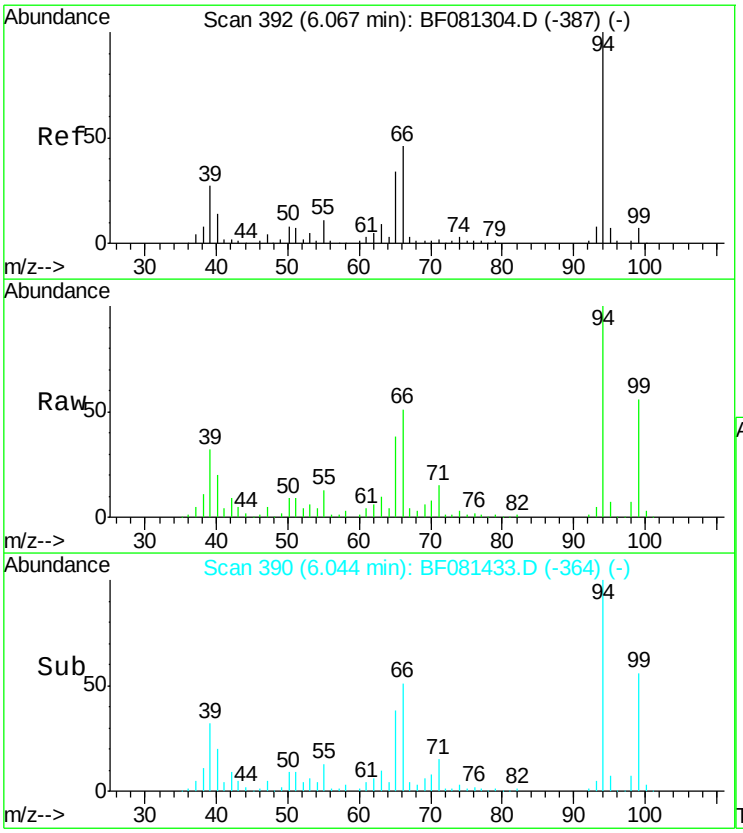
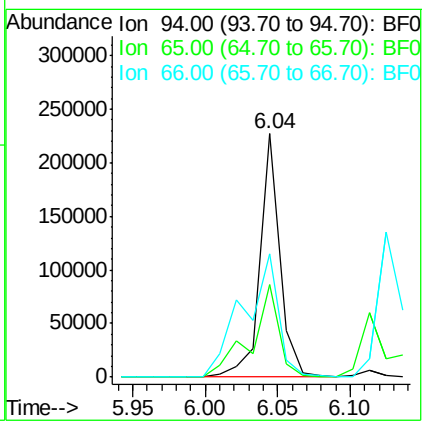
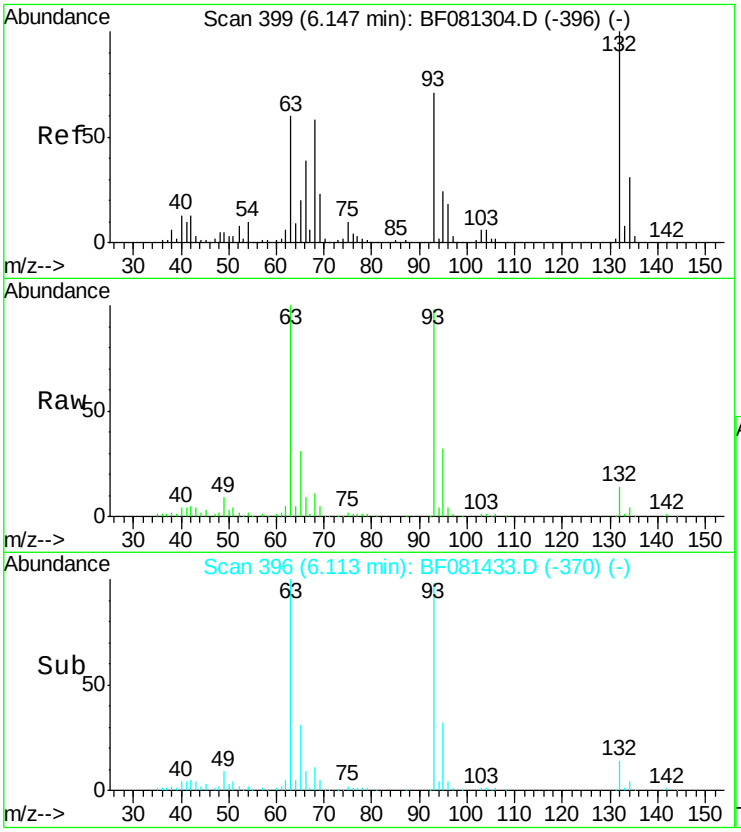


#10
Phenol
Concen: 36.47 ng
RT: 6.04 min Scan# 390
Delta R.T. 0.00 min
Lab File: BF081433.D
Acq: 4 Sep 2015 22:26

Tgt Ion: 94 Resp: 218633

Ion	Ratio	Lower	Upper
94	100		
65	38.2	0.7	40.7
66	50.8	0.8	40.8#

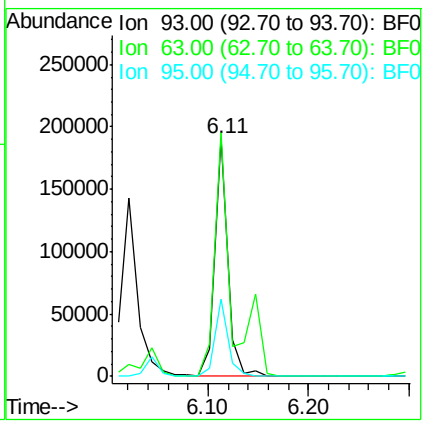




#11
bis(2-Chloroethyl)ether
Concen: 39.92 ng
RT: 6.11 min Scan# 396
Delta R.T. 0.00 min
Lab File: BF081433.D
Acq: 4 Sep 2015 22:26

Tgt Ion: 93 Resp: 172657

Ion	Ratio	Lower	Upper
93	100		
63	102.2	65.6	105.6
95	32.6	13.6	53.6



Instrument :
BNA_F
ClientSampleId :
SB-11(5-7)MS

Manual Integrations APPROVED
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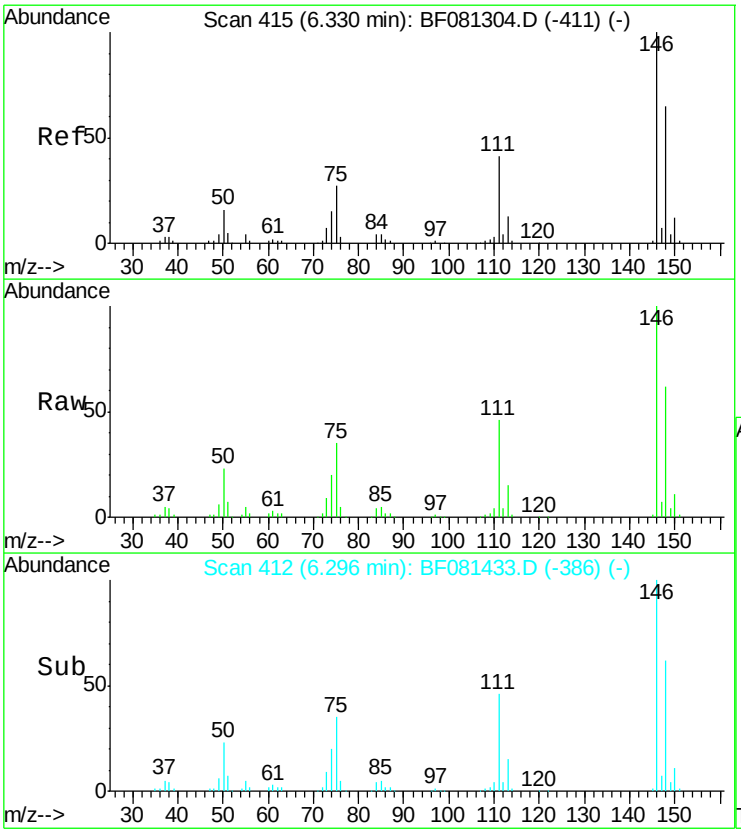
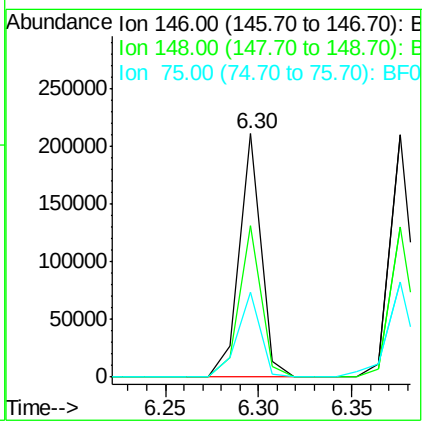
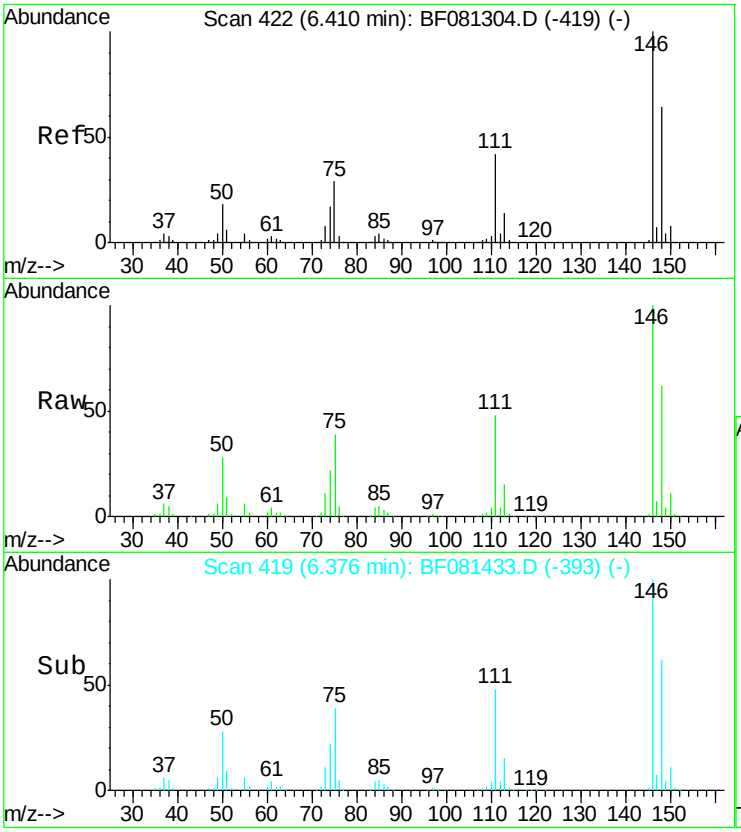


#12
1,3-Dichlorobenzene
Concen: 37.69 ng
RT: 6.30 min Scan# 412
Delta R.T. 0.00 min
Lab File: BF081433.D
Acq: 4 Sep 2015 22:26

Tgt Ion:146 Resp: 173272

Ion	Ratio	Lower	Upper
146	100		
148	62.0	51.0	76.4
75	34.7	15.0	22.6#

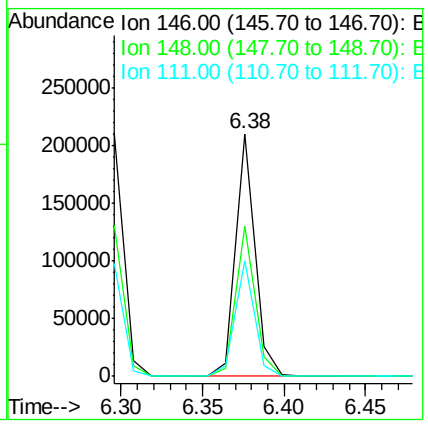




#13
1,4-Dichlorobenzene
Concen: 36.41 ng
RT: 6.38 min Scan# 419
Delta R.T. 0.00 min
Lab File: BF081433.D
Acq: 4 Sep 2015 22:26

Tgt Ion:146 Resp: 170472

Ion	Ratio	Lower	Upper
146	100		
148	61.8	51.8	77.6
111	47.6	24.9	37.3#



Instrument :
BNA_F
ClientSampleId :
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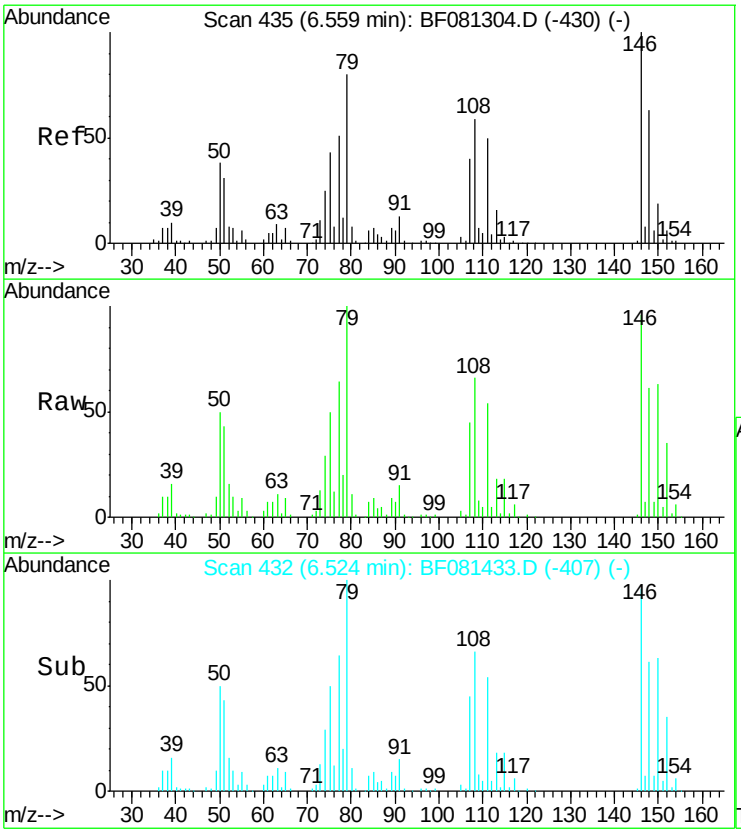
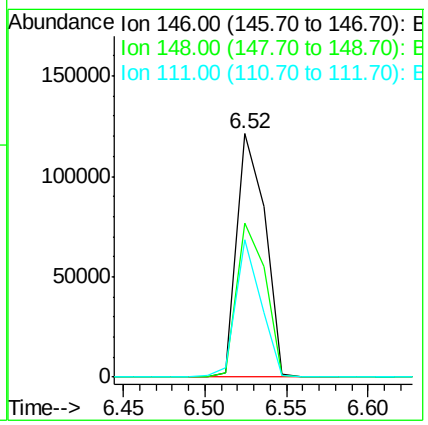
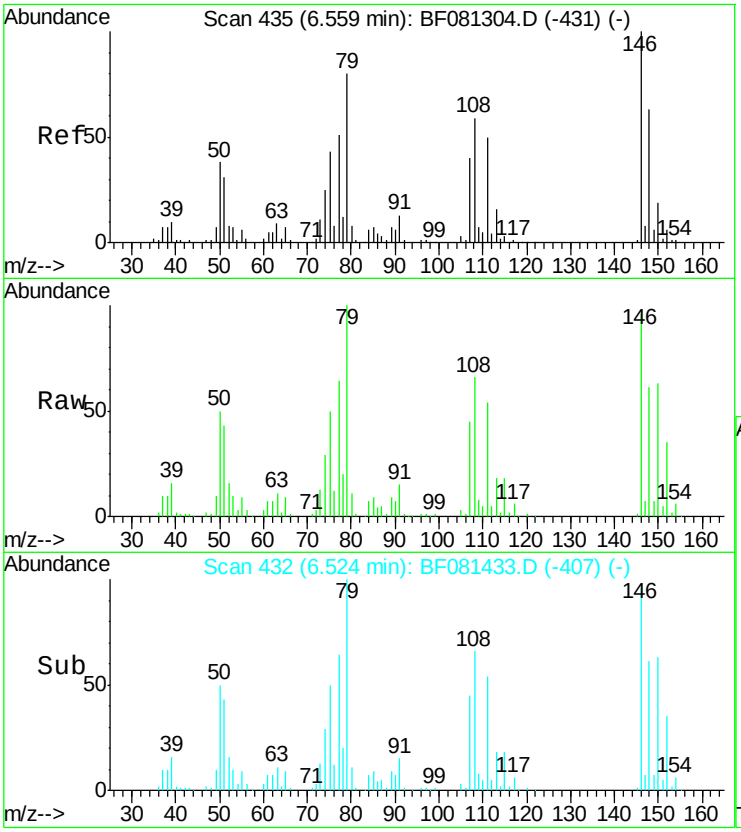


#14
1,2-Dichlorobenzene
Concen: 34.22 ng
RT: 6.52 min Scan# 432
Delta R.T. -0.01 min
Lab File: BF081433.D
Acq: 4 Sep 2015 22:26

Tgt Ion:146 Resp: 144252

Ion	Ratio	Lower	Upper
146	100		
148	63.5	52.7	79.1
111	56.2	28.8	43.2#

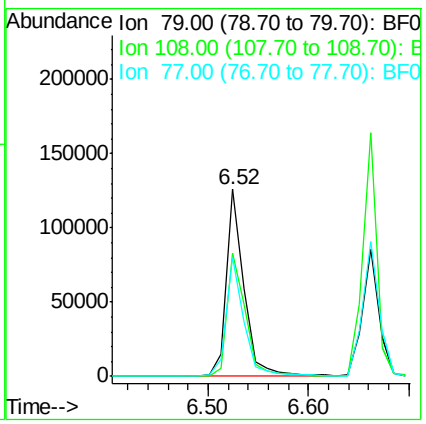




#15
Benzyl Alcohol
Concen: 36.55 ng
RT: 6.52 min Scan# 432
Delta R.T. -0.01 min
Lab File: BF081433.D
Acq: 4 Sep 2015 22:26

Tgt Ion: 79 Resp: 154972

Ion	Ratio	Lower	Upper
79	100		
108	66.0	88.6	132.8#
77	64.1	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
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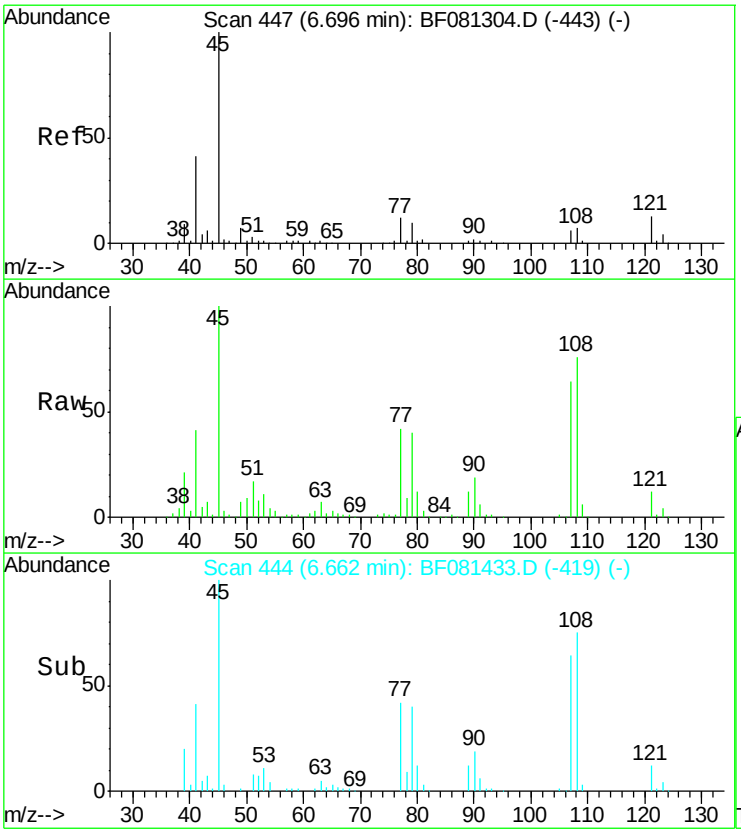
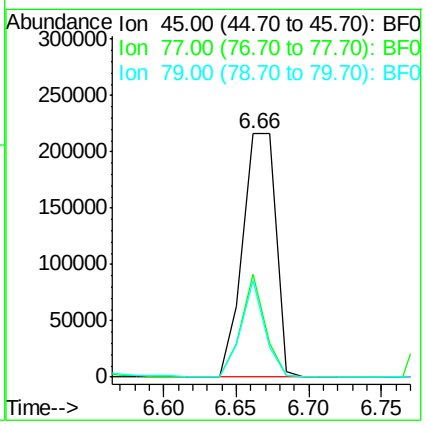
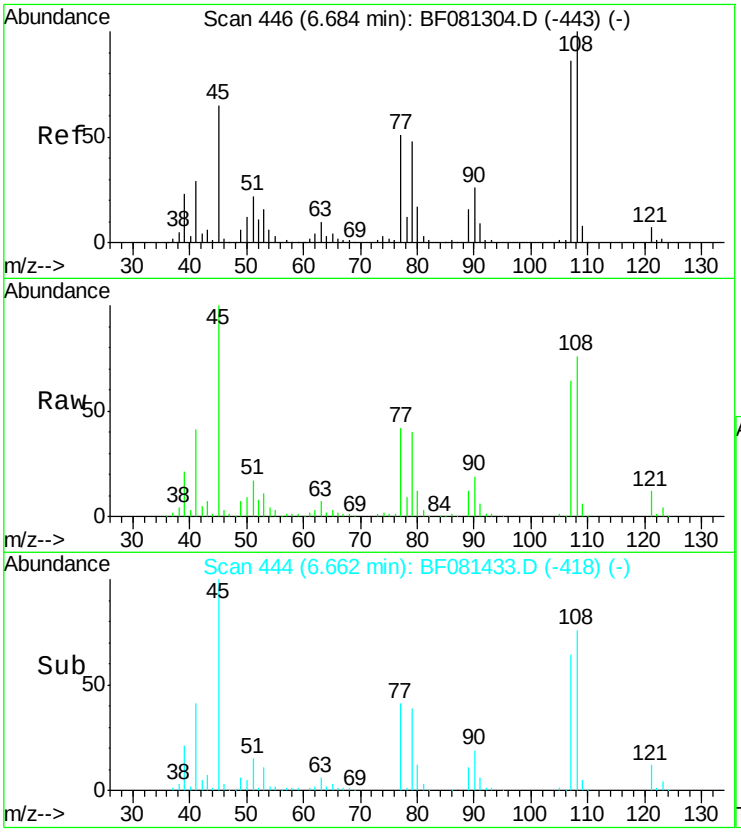


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.44 ng
RT: 6.66 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF081433.D
Acq: 4 Sep 2015 22:26

Tgt Ion: 45 Resp: 343518

Ion	Ratio	Lower	Upper
45	100		
77	42.2	0.0	28.1#
79	39.5	0.0	26.0#

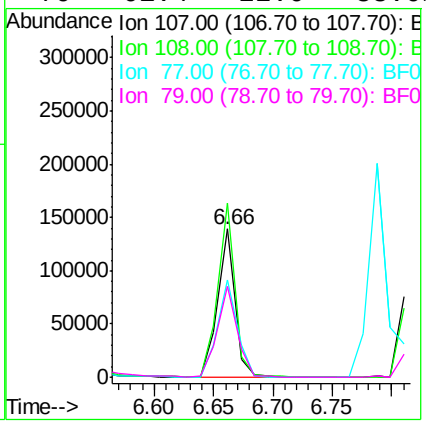




#17
2-Methylphenol
Concen: 40.48 ng
RT: 6.66 min Scan# 444
Delta R.T. 0.00 min
Lab File: BF081433.D
Acq: 4 Sep 2015 22:26

Tgt Ion:107 Resp: 138987

Ion	Ratio	Lower	Upper
107	100		
108	117.9	96.6	145.0
77	65.6	23.3	34.9#
79	61.4	22.0	33.0#



Instrument :
BNA_F
ClientSampleId :
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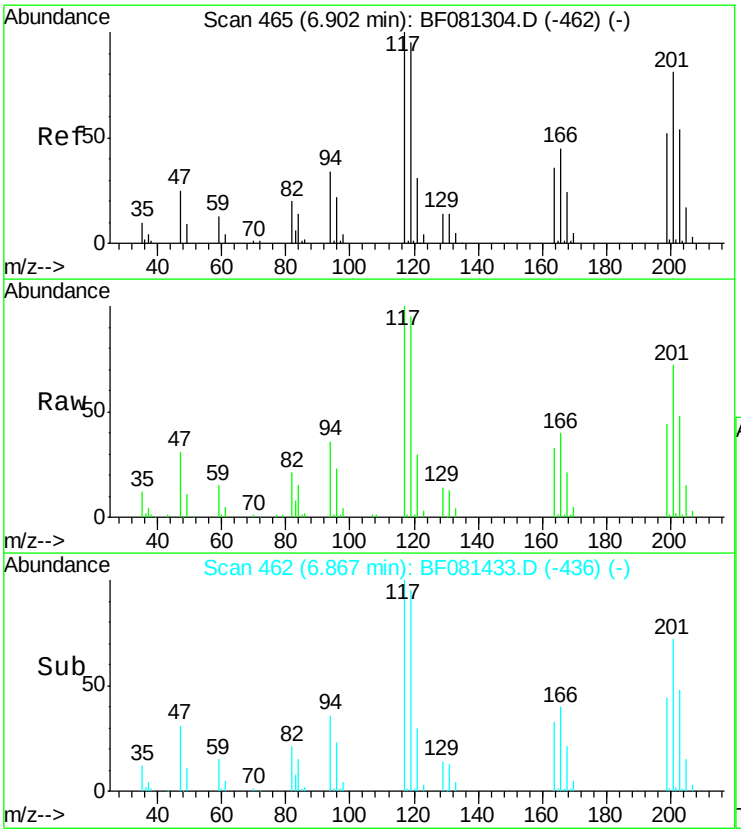
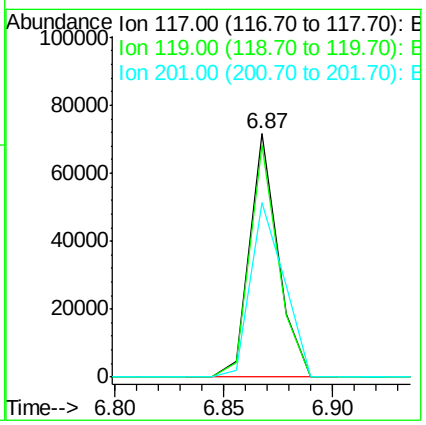
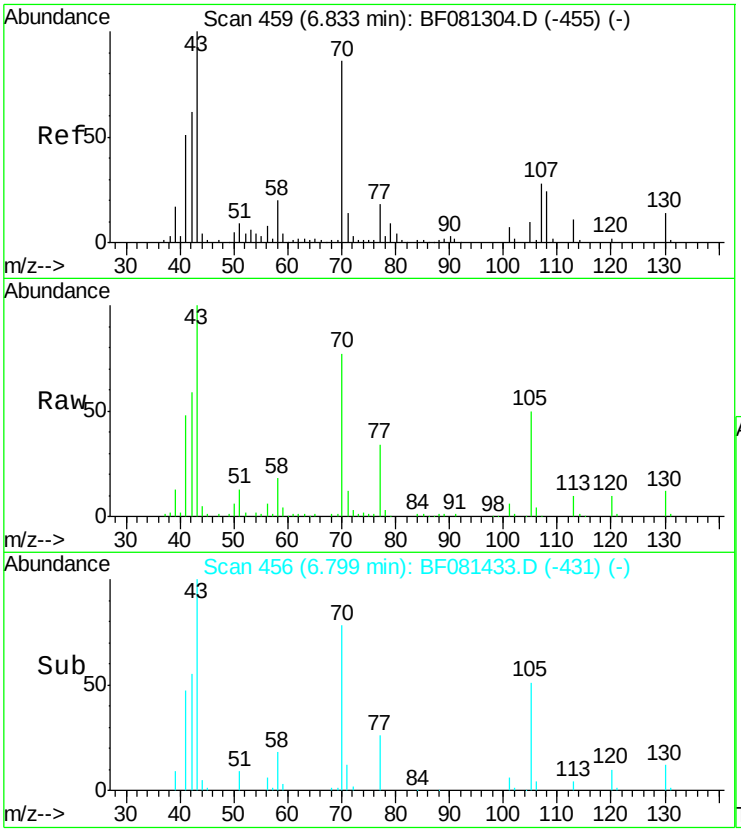


#18
Hexachloroethane
Concen: 35.72 ng
RT: 6.87 min Scan# 462
Delta R.T. 0.00 min
Lab File: BF081433.D
Acq: 4 Sep 2015 22:26

Tgt Ion:117 Resp: 65053

Ion	Ratio	Lower	Upper
117	100		
119	95.4	83.8	125.6
201	71.6	55.1	82.7

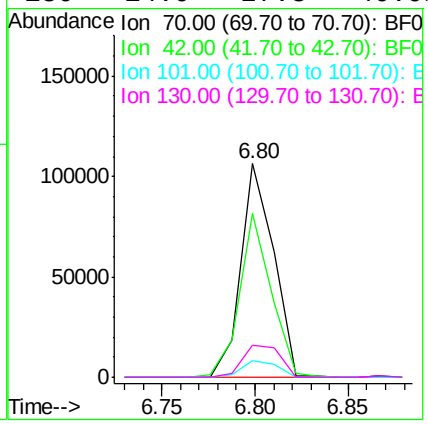




#19
n-Nitroso-di-n-propylamine
Concen: 36.76 ng
RT: 6.80 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF081433.D
Acq: 4 Sep 2015 22:26

Tgt Ion: 70 Resp: 129328

Ion	Ratio	Lower	Upper
70	100		
42	76.7	63.8	95.6
101	8.1	9.2	13.8#
130	14.9	27.3	40.9#



Instrument :
BNA_F
ClientSampleId :
SB-11(5-7)MS

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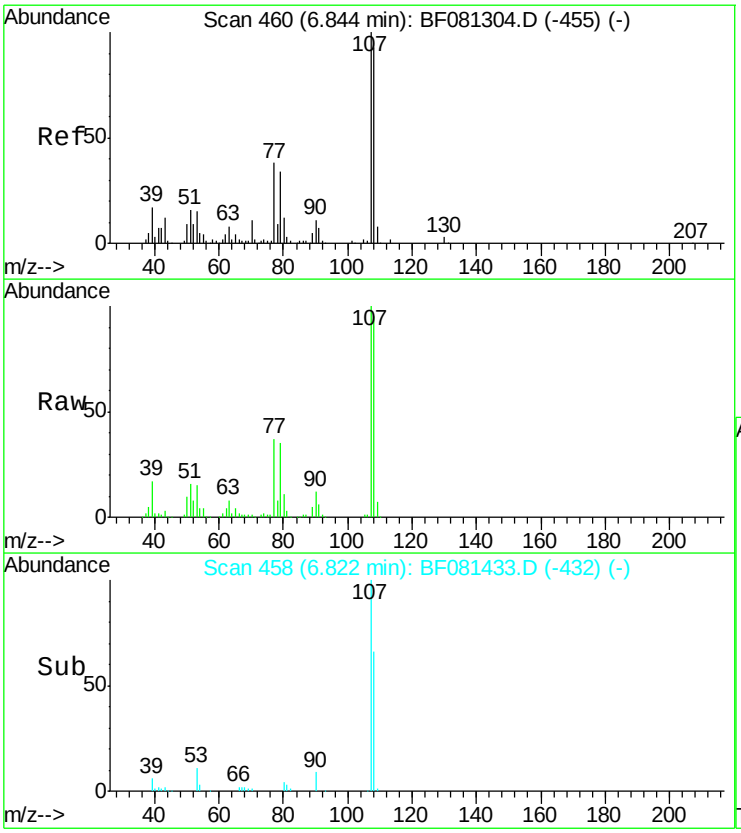
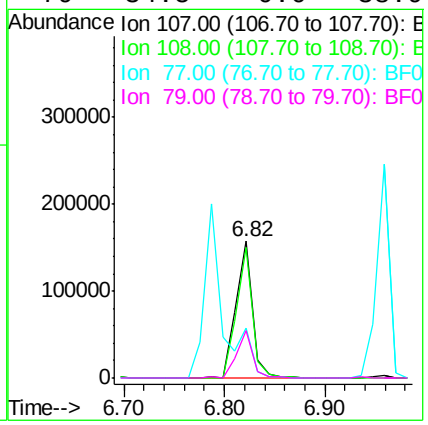
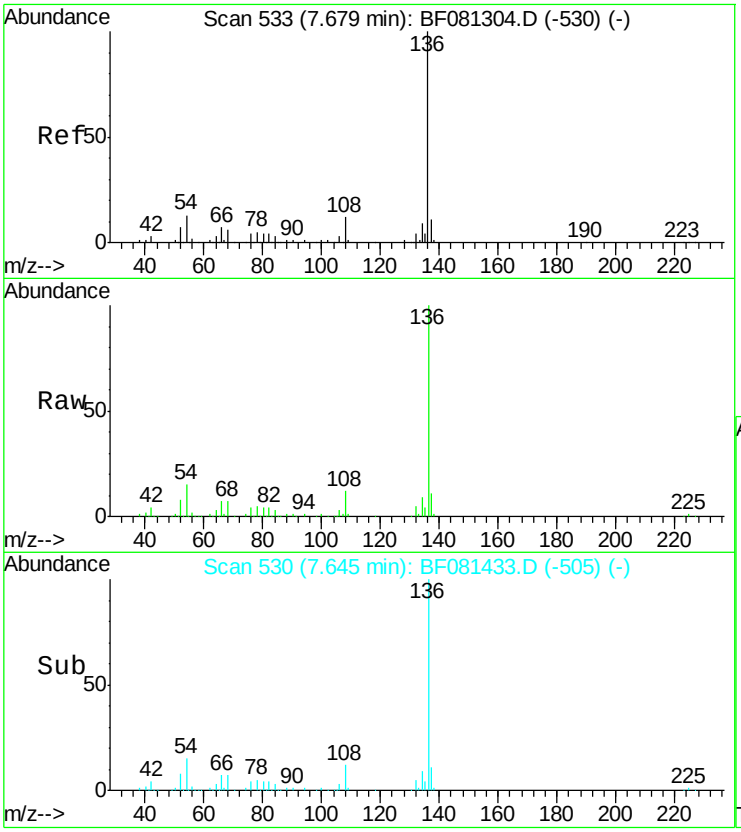


#20
3+4-Methylphenols
Concen: 39.22 ng
RT: 6.82 min Scan# 458
Delta R.T. 0.00 min
Lab File: BF081433.D
Acq: 4 Sep 2015 22:26

Tgt Ion:107 Resp: 181585

Ion	Ratio	Lower	Upper
107	100		
108	95.5	74.6	114.6
77	36.7	0.7	40.7
79	34.5	0.0	38.9

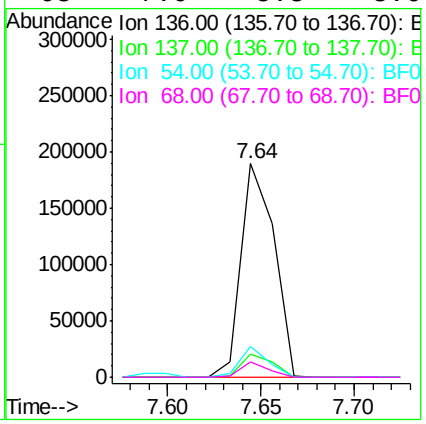




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.64 min Scan# 530
Delta R.T. -0.01 min
Lab File: BF081433.D
Acq: 4 Sep 2015 22:26

Tgt Ion:136 Resp: 233672

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	14.7	8.2	12.2#
68	7.0	5.8	8.6



Instrument :
BNA_F
ClientSampleId :
SB-11(5-7)MS

Manual Integrations APPROVED
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Ref

Raw

Sub

#22
Acetophenone
Concen: 38.47 ng
RT: 6.79 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF081433.D
Acq: 4 Sep 2015 22:26

Tgt Ion:105 Resp: 245515

Ion	Ratio	Lower	Upper
105	100		
71	1.4	4.7	7.1#
51	37.8	22.0	33.0#
120	19.4	30.1	45.1#