Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080216\
Data File : BF089544.D
Acq On : 2 Aug 2016 13:44
Operator : UM/SJ
Sample : PB92601BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PB92601BS

Quant Time: Aug 03 01:01:58 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 16:02:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	165202	20.00	ng		0.08
21) Naphthalene-d8	7.76	136	179487	20.00	ng		-0.07
38) Acenaphthene-d10	9.51	164	86209	20.00	ng		-0.07
63) Phenanthrene-d10	10.97	188	172163	20.00	ng		-0.08
75) Chrysene-d12	13.60	240	126212	20.00	ng		-0.07
86) Perylene-d12	14.91	264	103431	20.00	ng		-0.09
System Monitoring Compounds							
5) 2-Fluorophenol	5.05	112	336574	32.53	ng		-0.06
7) Phenol-d6	6.15	99	448920	32.83	ng		-0.06
23) Nitrobenzene-d5	7.05	82	287769	94.64	ng		-0.07
41) 2,4,6-Tribromophenol	10.30	330	101606	142.31	ng		-0.07
44) 2-Fluorobiphenyl	8.84	172	543852	92.58	ng		-0.07
78) Terphenyl-d14	12.56	244	511455	94.84	ng		-0.07
Target Compounds							Qvalue
2) 1,4-Dioxane	1.94	88	45469	6.78	ng	#	74
3) Pyridine	2.52	79	126128	12.46	ng		97
4) n-Nitrosodimethylamine	2.49	42	50286	17.85	ng		99
6) Aniline	6.23	93	143056	9.69	ng	#	54
8) 2-Chlorophenol	6.26	128	137259	11.73	ng		98
9) Benzaldehyde	6.01	77	53519	8.02	ng		94
10) Phenol	6.16	94	182101	12.07	ng		80
11) bis(2-Chloroethyl)ether	6.23	93	150506	11.74	ng		99
12) 1,3-Dichlorobenzene	6.64	146	135404	11.06	ng		99
13) 1,4-Dichlorobenzene	6.64	146	140316	10.39	ng		99
14) 1,2-Dichlorobenzene	6.64	146	140316	11.09	ng	#	94
15) Benzyl Alcohol	6.64	79	114002	13.44	ng		98
16) 2,2'-oxybis(1-Chloropropan	6.78	45	149849	10.72	ng		89
17) 2-Methylphenol	6.76	107	104910	11.60	ng		97
18) Hexachloroethane	6.98	117	55388	10.69	ng	#	86
19) n-Nitroso-di-n-propylamine	6.91	70	106116	12.87	ng		97
20) 3+4-Methylphenols	6.92	107	136268	11.73	ng	#	84
22) Acetophenone	6.90	105	177715	41.59	ng		99
24) Nitrobenzene	7.07	77	140058	40.47	ng		97
25) Isophorone	7.31	82	265692	43.38	ng		99
26) 2-Nitrophenol	7.38	139	67192	43.42	ng	#	72
27) 2,4-Dimethylphenol	7.45	122	114249	46.35	ng		95
28) bis(2-Chloroethoxy)methane	7.53	93	162256	47.85	ng		100
29) 2,4-Dichlorophenol	7.63	162	109389	48.70	ng		94
30) 1,2,4-Trichlorobenzene	7.71	180	112292	43.82	ng		98
31) Naphthalene	7.78	128	397120	44.68	ng		100
32) Benzoic acid	7.61	122	65745	38.28	ng		96
33) 4-Chloroaniline	7.85	127	128593	38.00	ng		99
34) Hexachlorobutadiene	7.91	225	61627	41.99	ng		97
35) Caprolactam	8.23	113	16633	24.53	ng		97
36) 4-Chloro-3-methylphenol	8.35	107	131518	49.27	ng		95
37) 2-Methylnaphthalene	8.47	142	242269	45.24	ng		97
39) 1,2,4,5-Tetrachlorobenzene	8.64	216	96579	32.01	ng		98
40) Hexachlorocyclopentadiene	8.63	237	76804	88.27	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080216\
Data File : BF089544.D
Acq On : 2 Aug 2016 13:44
Operator : UM/SJ
Sample : PB92601BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PB92601BS

Quant Time: Aug 03 01:01:58 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 16:02:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	8.76	196	70113	48.88	ng		100
43) 2,4,5-Trichlorophenol	8.81	196	81979	45.12	ng		97
45) 1,1'-Biphenyl	8.94	154	281854	38.40	ng		98
46) 2-Chloronaphthalene	8.96	162	252891	45.88	ng		96
47) 2-Nitroaniline	9.07	65	79692	48.82	ng		95
48) Acenaphthylene	9.37	152	381208	43.90	ng		100
49) Dimethylphthalate	9.26	163	298151	45.44	ng		100
50) 2,6-Dinitrotoluene	9.31	165	64454	47.81	ng	#	83
51) Acenaphthene	9.54	154	229055	45.17	ng		98
52) 3-Nitroaniline	9.48	138	54729	38.47	ng		95
53) 2,4-Dinitrophenol	9.60	184	58055	88.10	ng		93
54) Dibenzofuran	9.71	168	350711	50.76	ng		97
55) 4-Nitrophenol	9.71	139	227761	309.50	ng	#	11
56) 2,4-Dinitrotoluene	9.72	165	84701	47.73	ng	#	58
57) Fluorene	10.04	166	263469	43.68	ng		99
58) 2,3,4,6-Tetrachlorophenol	9.84	232	66298	54.65	ng		99
59) Diethylphthalate	9.94	149	290515	43.68	ng		99
60) 4-Chlorophenyl-phenylether	10.04	204	114795	41.49	ng	#	78
61) 4-Nitroaniline	10.10	138	68552	46.75	ng		87
62) Azobenzene	10.20	77	331783	48.43	ng		96
64) 4,6-Dinitro-2-methylphenol	10.14	198	42445	41.49	ng		87
65) n-Nitrosodiphenylamine	10.17	169	236454	44.02	ng		99
66) 4-Bromophenyl-phenylether	10.54	248	67525	41.08	ng	#	90
67) Hexachlorobenzene	10.59	284	71729	42.58	ng	#	88
68) Atrazine	10.71	200	69613	42.18	ng		98
69) Pentachlorophenol	10.80	266	69453	84.72	ng		98
70) Phenanthrene	11.00	178	389277	43.84	ng		99
71) Anthracene	11.05	178	430906	43.65	ng		100
72) Carbazole	11.21	167	372352	44.81	ng		98
73) Di-n-butylphthalate	11.55	149	448823	40.25	ng		100
74) Fluoranthene	12.17	202	403762	43.23	ng		94
76) Benzidine	12.31	184	177379	38.04	ng		96
77) Pyrene	12.40	202	430191	44.97	ng		100
79) Butylbenzylphthalate	13.04	149	218466	50.24	ng		92
80) Benzo(a)anthracene	13.59	228	341022	47.88	ng		99
81) 3,3'-Dichlorobenzidine	13.55	252	97081	37.88	ng	#	94
82) Chrysene	13.62	228	351926	46.42	ng		100
83) Bis(2-ethylhexyl)phthalate	13.60	149	274283	43.63	ng	#	99
84) Di-n-octyl phthalate	14.21	149	446816	45.55	ng		99
85) Indeno(1,2,3-cd)pyrene	16.08	276	244274	45.32	ng		99
87) Benzo(b)fluoranthene	14.61	252	582223	90.64	ng		98
88) Benzo(k)fluoranthene	14.61	252	582816	98.69	ng		98
89) Benzo(a)pyrene	14.87	252	251586	43.66	ng		100
90) Dibenzo(a,h)anthracene	16.09	278	203400	44.81	ng		96
91) Benzo(g,h,i)perylene	16.42	276	204270	45.78	ng		97

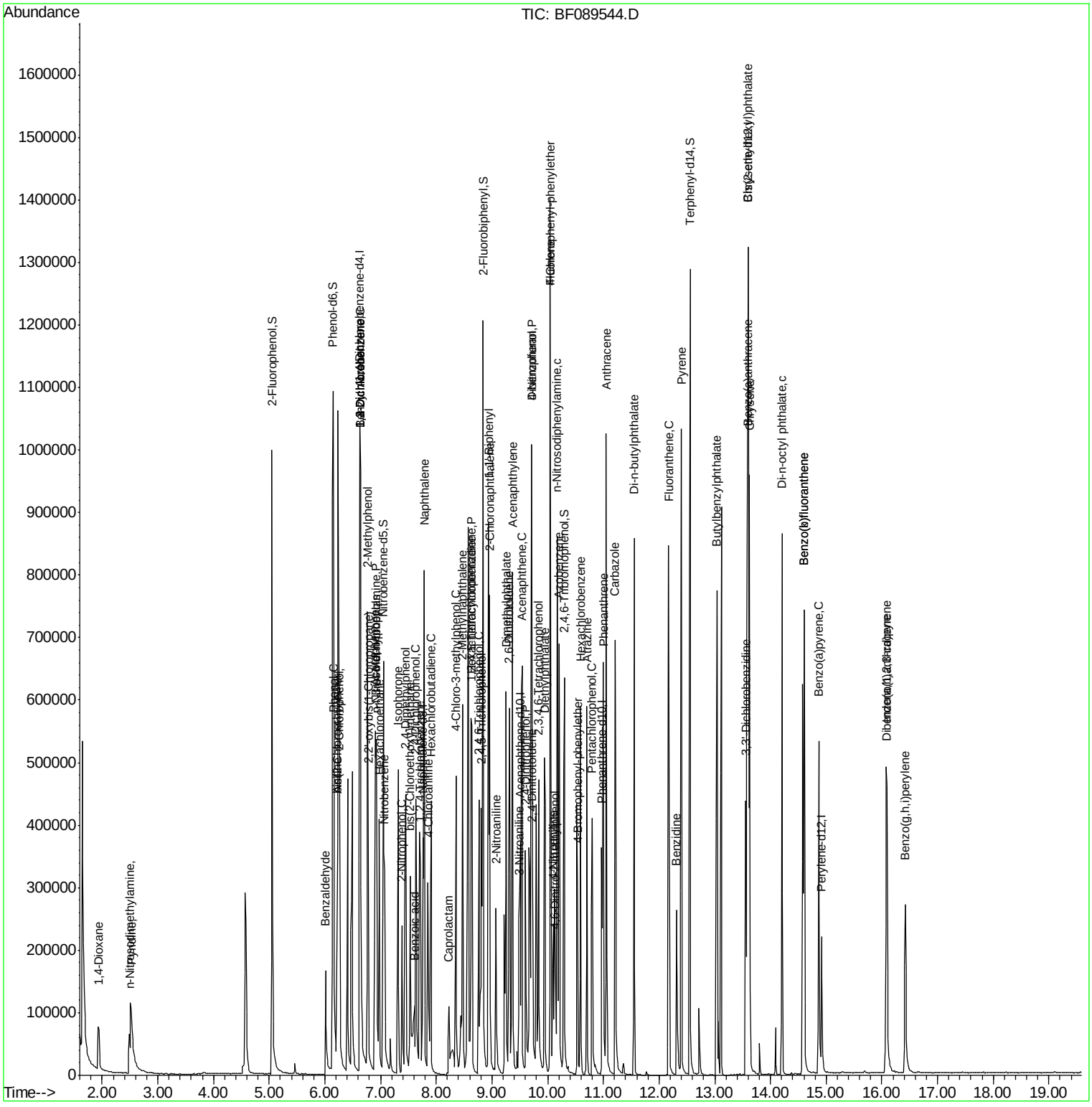
(#) = qualifier out of range (m) = manual integration (+) = signals summed

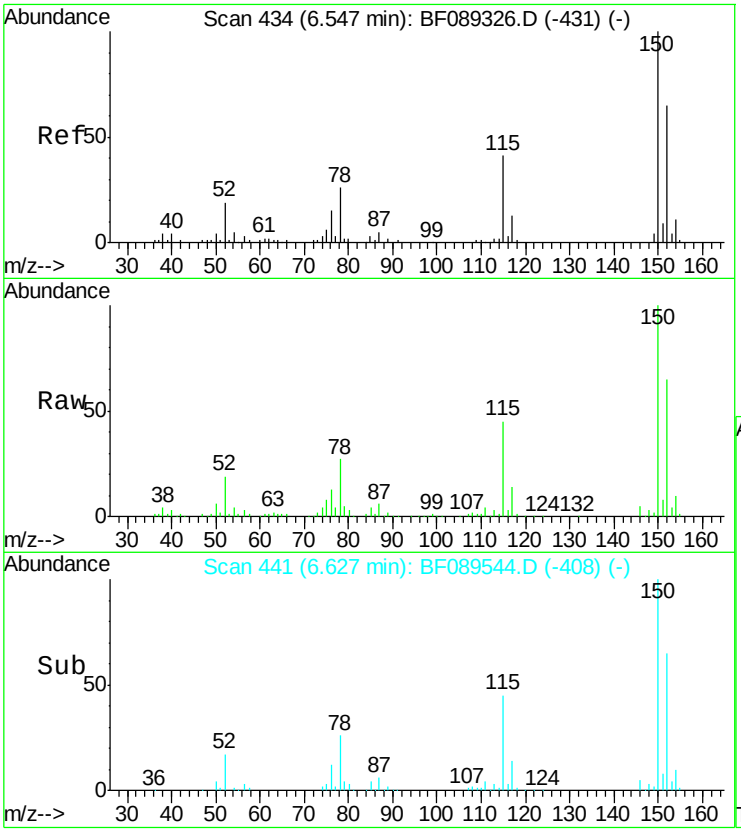
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080216\
Data File : BF089544.D
Acq On : 2 Aug 2016 13:44
Operator : UM/SJ
Sample : PB92601BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB92601BS

Quant Time: Aug 03 01:01:58 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 16:02:32 2016
Response via : Initial Calibration



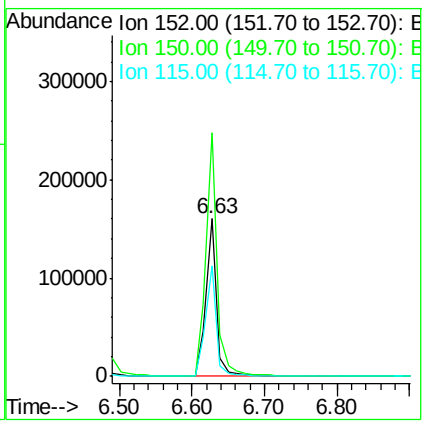


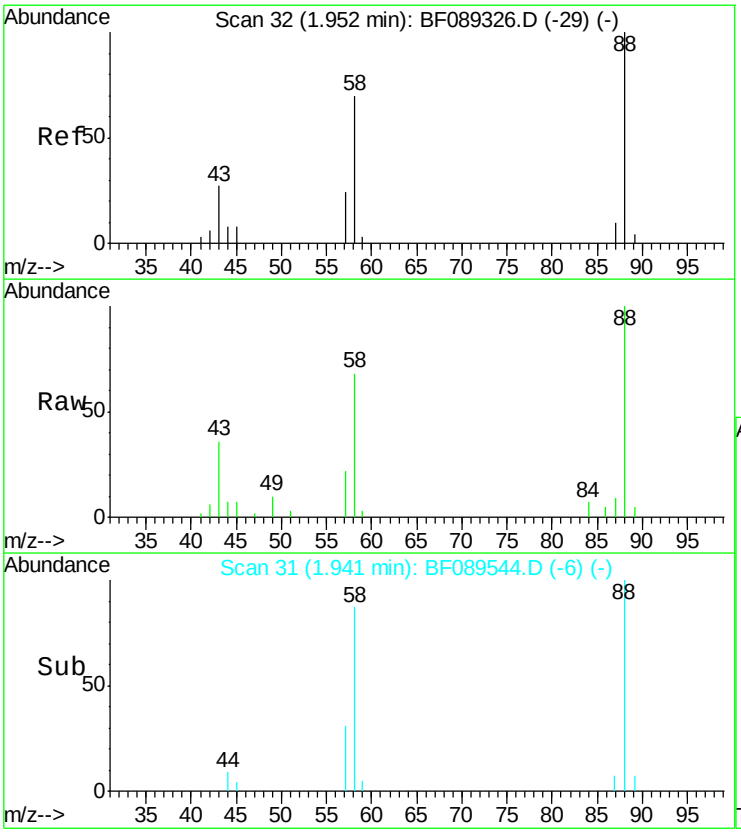
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.63 min Scan# 441
Delta R.T. 0.08 min
Lab File: BF089544.D
Acq: 2 Aug 2016 13:44

Instrument :
BNA_F
ClientSampleId :
PB92601BS

Tgt Ion:152 Resp: 165202

Ion	Ratio	Lower	Upper
152	100		
150	154.7	129.5	194.3
115	70.3	51.4	77.2

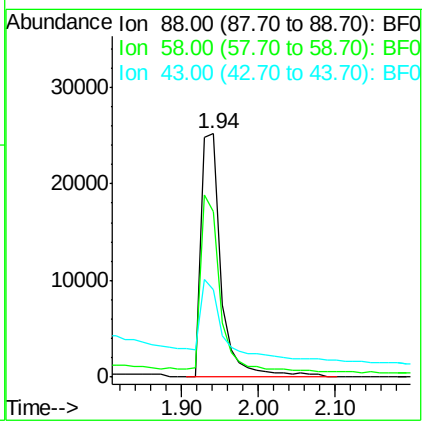


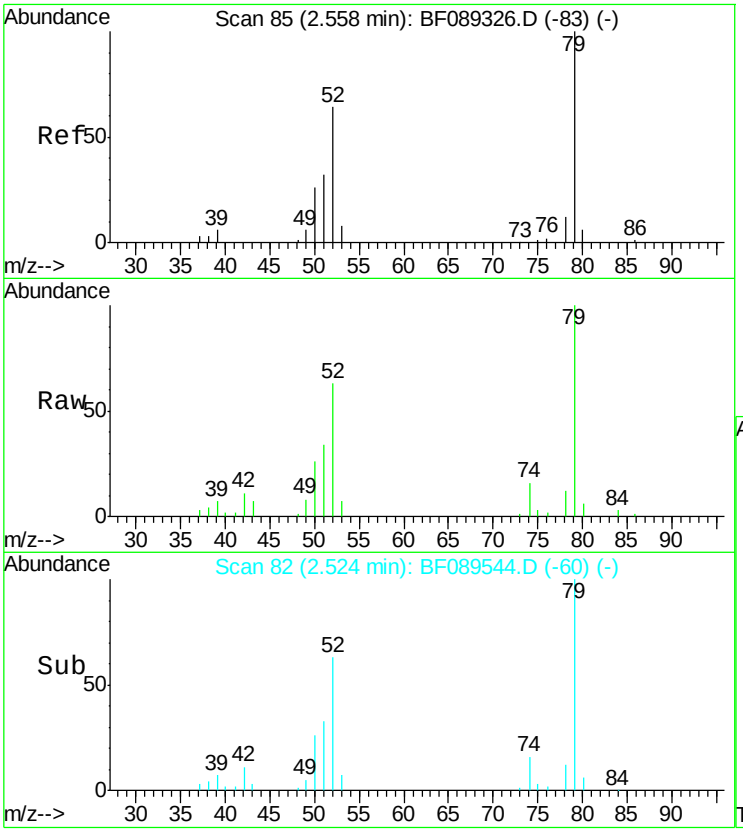


#2
1,4-Dioxane
Concen: 6.78 ng
RT: 1.94 min Scan# 31
Delta R.T. -0.01 min
Lab File: BF089544.D
Acq: 2 Aug 2016 13:44

Tgt Ion: 88 Resp: 45469

Ion	Ratio	Lower	Upper
88	100		
58	75.5	53.2	79.8
43	57.8	20.6	31.0#



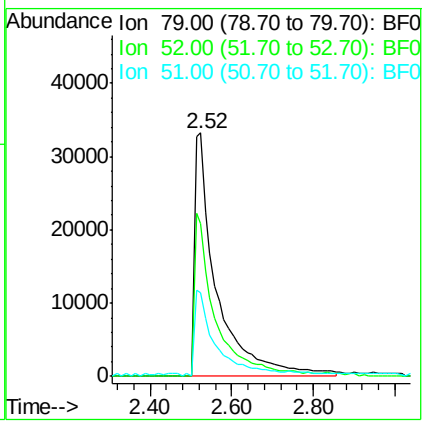


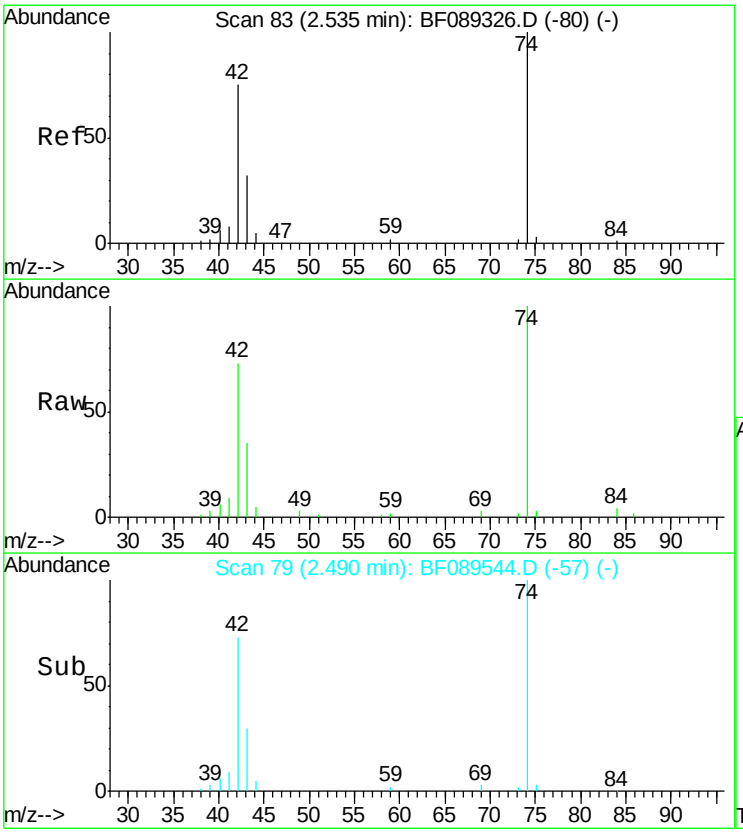
#3
Pyridine
Concen: 12.46 ng
RT: 2.52 min Scan# 82
Delta R.T. -0.05 min
Lab File: BF089544.D
Acq: 2 Aug 2016 13:44

Instrument :
BNA_F
ClientSampleId :
PB92601BS

Tgt Ion: 79 Resp: 126128

Ion	Ratio	Lower	Upper
79	100		
52	62.7	51.9	77.9
51	34.1	28.2	42.4

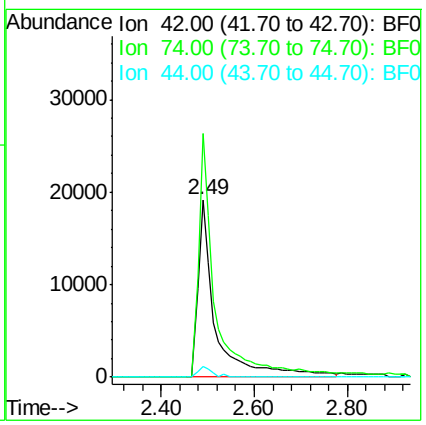


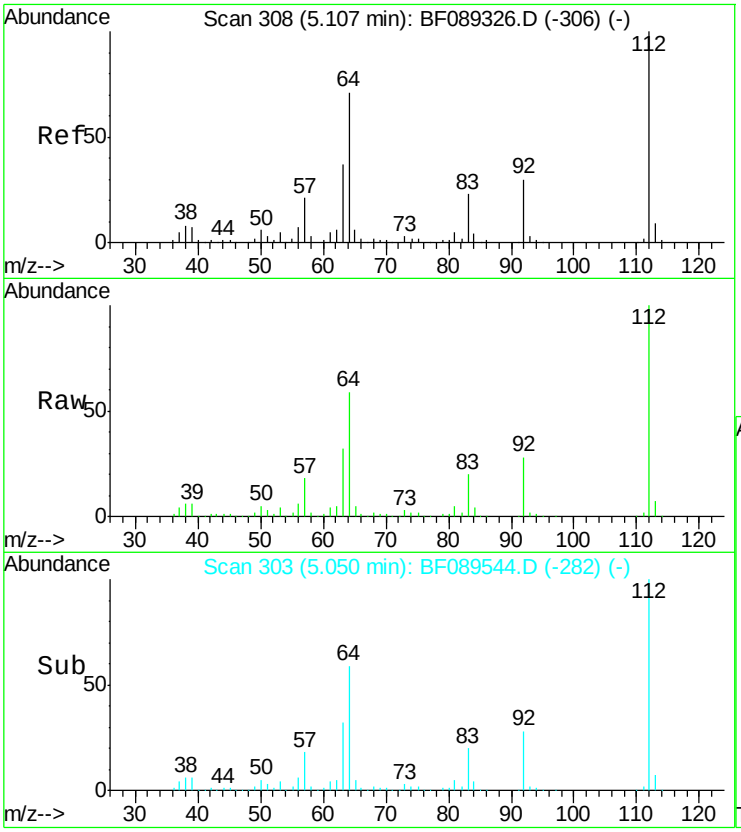


#4
n-Nitrosodimethylamine
Concen: 17.85 ng
RT: 2.49 min Scan# 79
Delta R.T. -0.05 min
Lab File: BF089544.D
Acq: 2 Aug 2016 13:44

Tgt Ion: 42 Resp: 50286

Ion	Ratio	Lower	Upper
42	100		
74	137.0	110.8	166.2
44	6.4	5.2	7.8



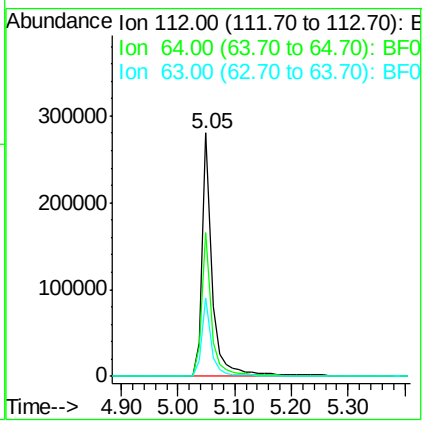


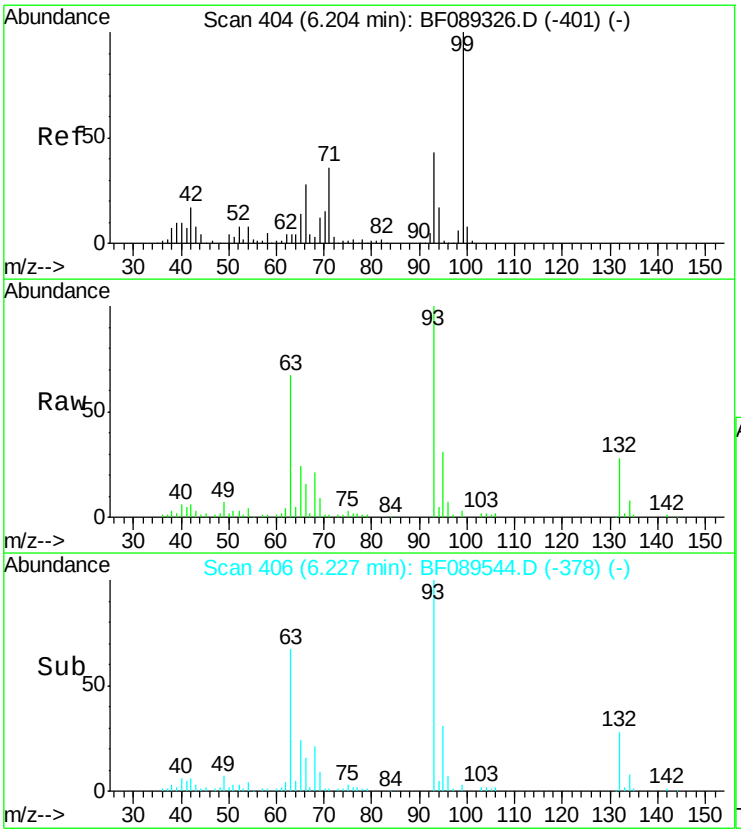
#5
2-Fluorophenol
Concen: 32.53 ng
RT: 5.05 min Scan# 303
Delta R.T. -0.06 min
Lab File: BF089544.D
Acq: 2 Aug 2016 13:44

Instrument :
BNA_F
ClientSampleId :
PB92601BS

Tgt Ion:112 Resp: 336574

Ion	Ratio	Lower	Upper
112	100		
64	59.2	55.0	82.6
63	32.1	29.4	44.2

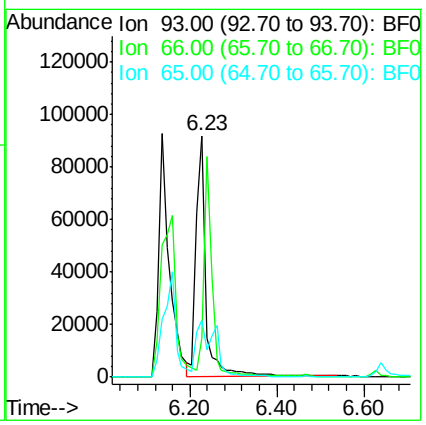


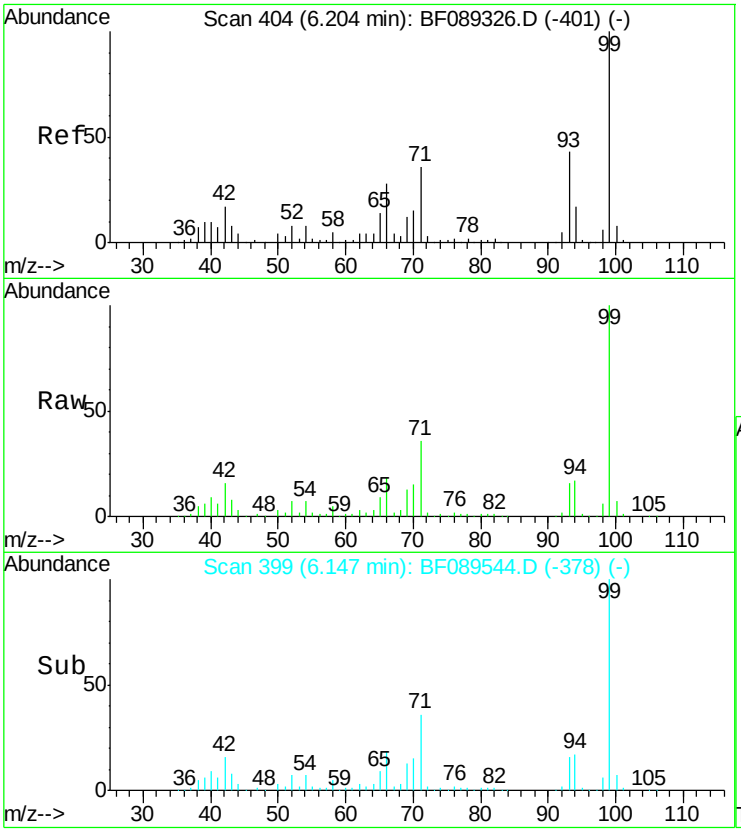


#6
Aniline
Concen: 9.69 ng
RT: 6.23 min Scan# 406
Delta R.T. 0.02 min
Lab File: BF089544.D
Acq: 2 Aug 2016 13:44

Tgt Ion: 93 Resp: 143056

Ion	Ratio	Lower	Upper
93	100		
66	16.1	51.6	77.4#
65	23.7	24.7	37.1#



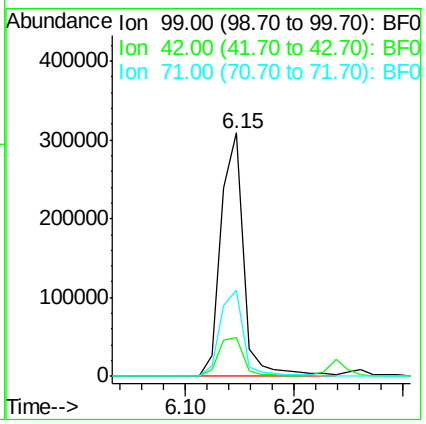


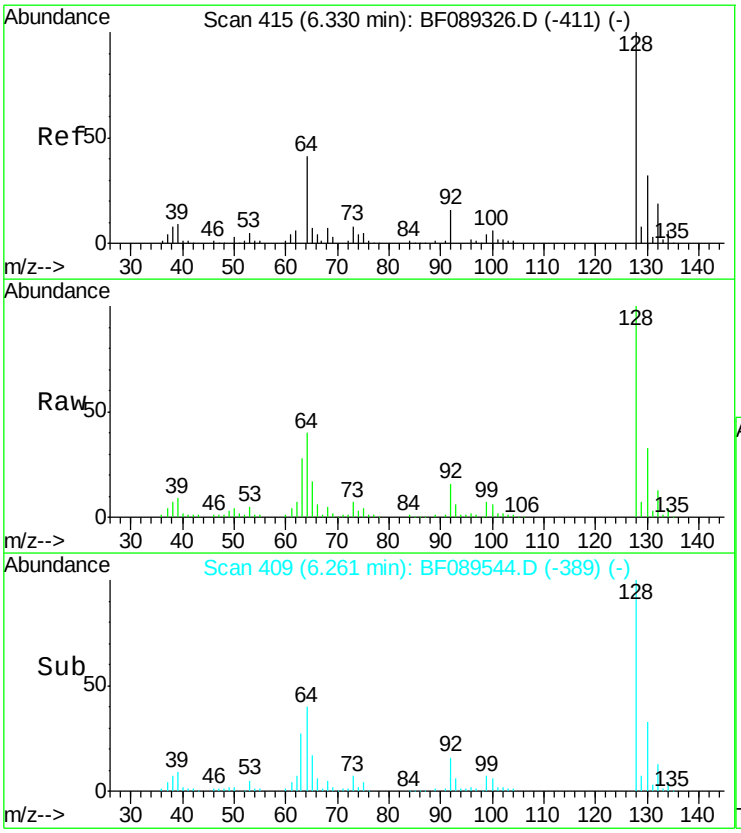
#7
Phenol-d6
Concen: 32.83 ng
RT: 6.15 min Scan# 399
Delta R.T. -0.06 min
Lab File: BF089544.D
Acq: 2 Aug 2016 13:44

Instrument :
BNA_F
ClientSampleId :
PB92601BS

Tgt Ion: 99 Resp: 448920

Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.6	20.4
71	35.6	29.4	44.2

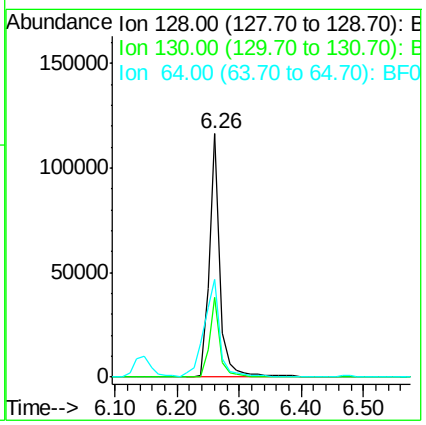


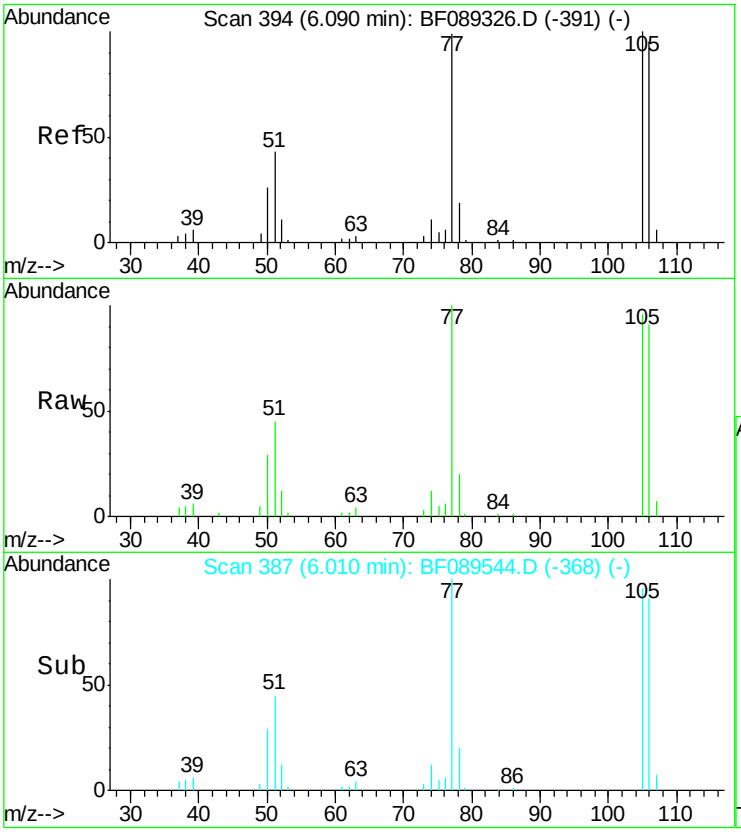


#8
2-Chlorophenol
Concen: 11.73 ng
RT: 6.26 min Scan# 409
Delta R.T. -0.07 min
Lab File: BF089544.D
Acq: 2 Aug 2016 13:44

Tgt Ion:128 Resp: 137259

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	40.1	22.1	62.1



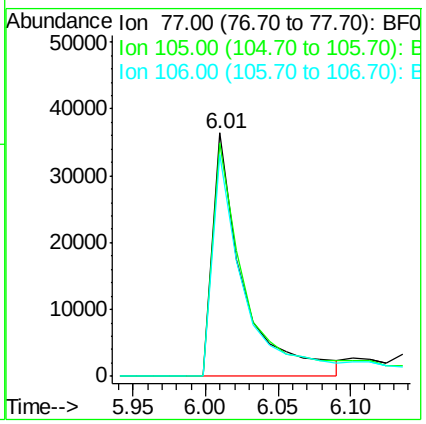


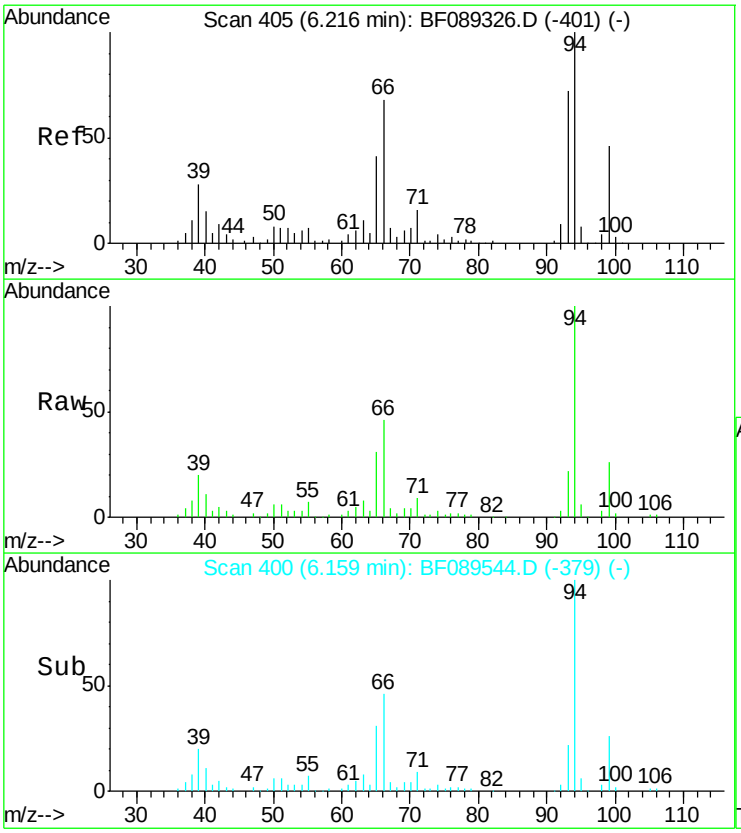
#9
Benzaldehyde
Concen: 8.02 ng
RT: 6.01 min Scan# 387
Delta R.T. -0.08 min
Lab File: BF089544.D
Acq: 2 Aug 2016 13:44

Instrument :
BNA_F
ClientSampleId :
PB92601BS

Tgt Ion: 77 Resp: 53519

Ion	Ratio	Lower	Upper
77	100		
105	96.0	82.9	122.9
106	90.9	75.9	115.9

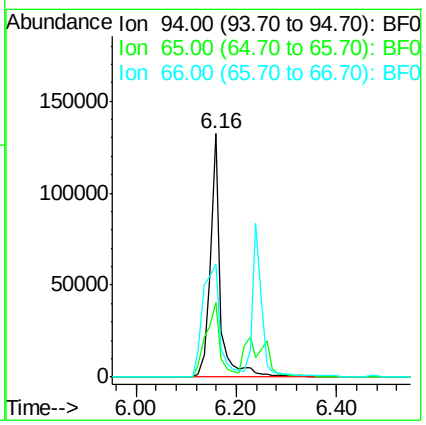


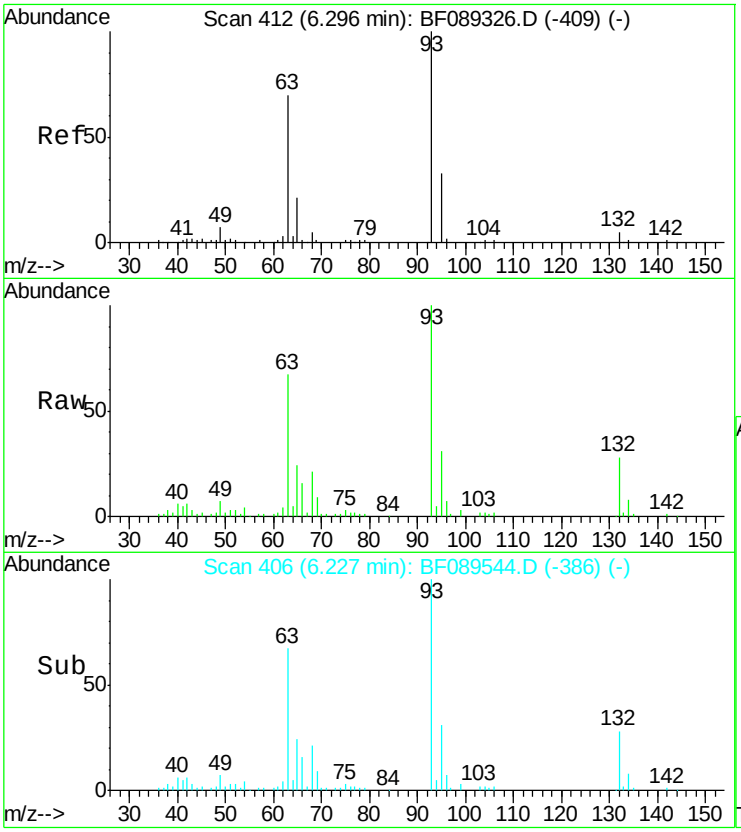


#10
Phenol
Concen: 12.07 ng
RT: 6.16 min Scan# 400
Delta R.T. -0.06 min
Lab File: BF089544.D
Acq: 2 Aug 2016 13:44

Tgt Ion: 94 Resp: 182101

Ion	Ratio	Lower	Upper
94	100		
65	30.5	19.1	59.1
66	46.4	44.4	84.4



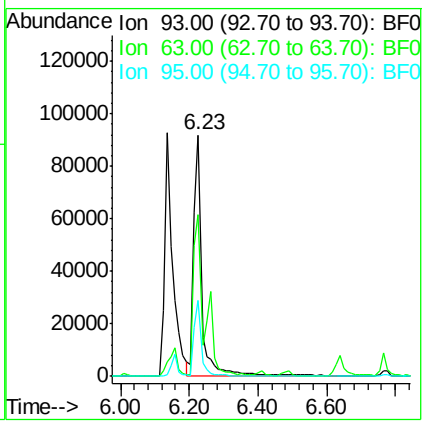


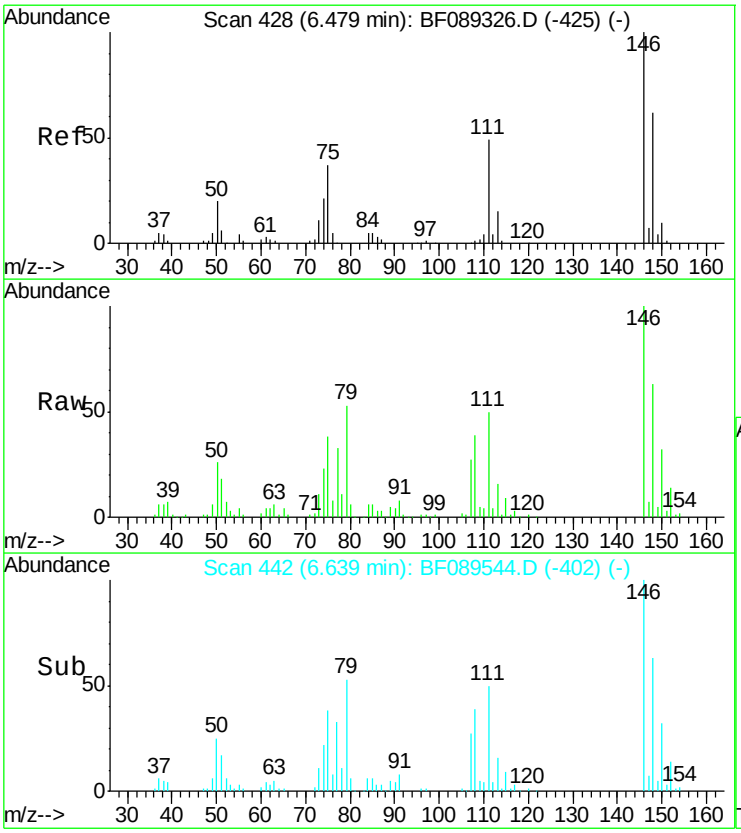
#11
bis(2-Chloroethyl)ether
Concen: 11.74 ng
RT: 6.23 min Scan# 406
Delta R.T. -0.07 min
Lab File: BF089544.D
Acq: 2 Aug 2016 13:44

Instrument :
BNA_F
ClientSampleId :
PB92601BS

Tgt Ion: 93 Resp: 150506

Ion	Ratio	Lower	Upper
93	100		
63	66.9	45.6	85.6
95	31.3	11.1	51.1

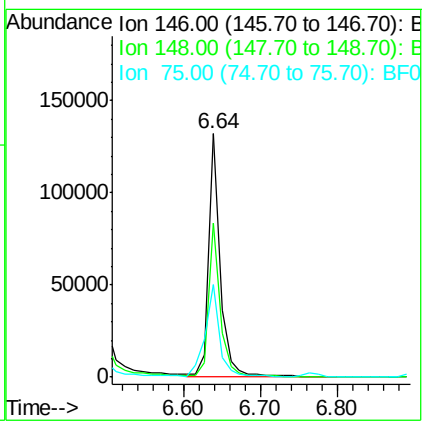


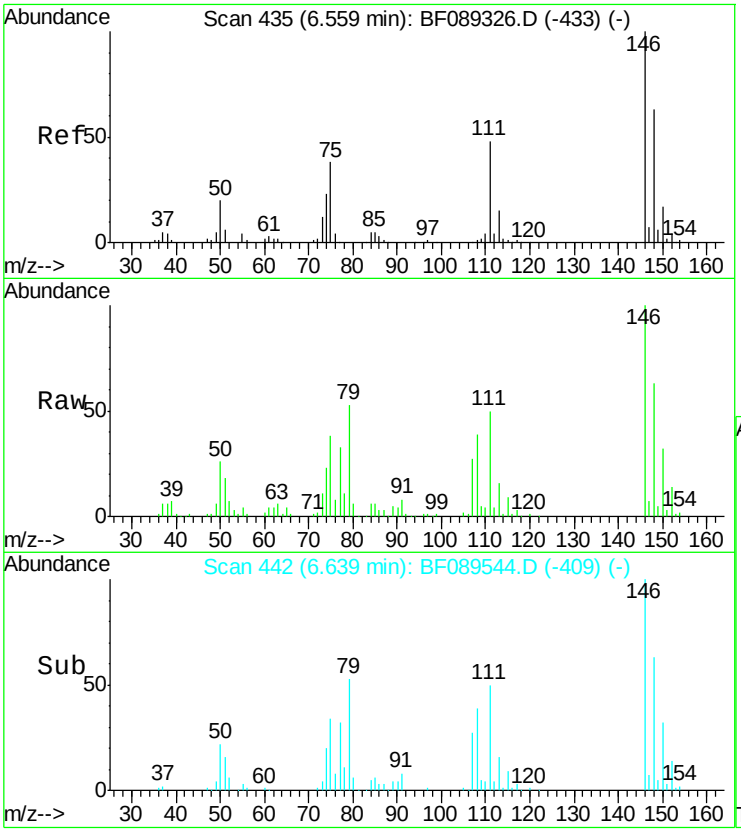


#12
1,3-Dichlorobenzene
Concen: 11.06 ng
RT: 6.64 min Scan# 442
Delta R.T. 0.16 min
Lab File: BF089544.D
Acq: 2 Aug 2016 13:44

Tgt Ion:146 Resp: 135404

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.5	75.7
75	38.2	30.0	45.0



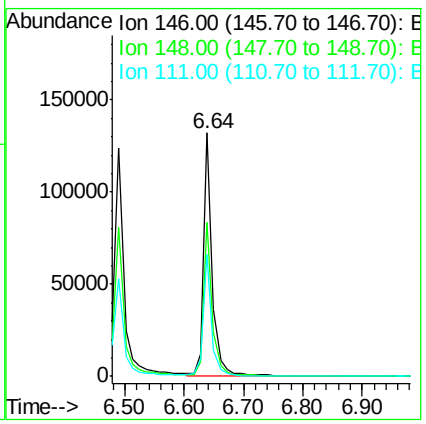


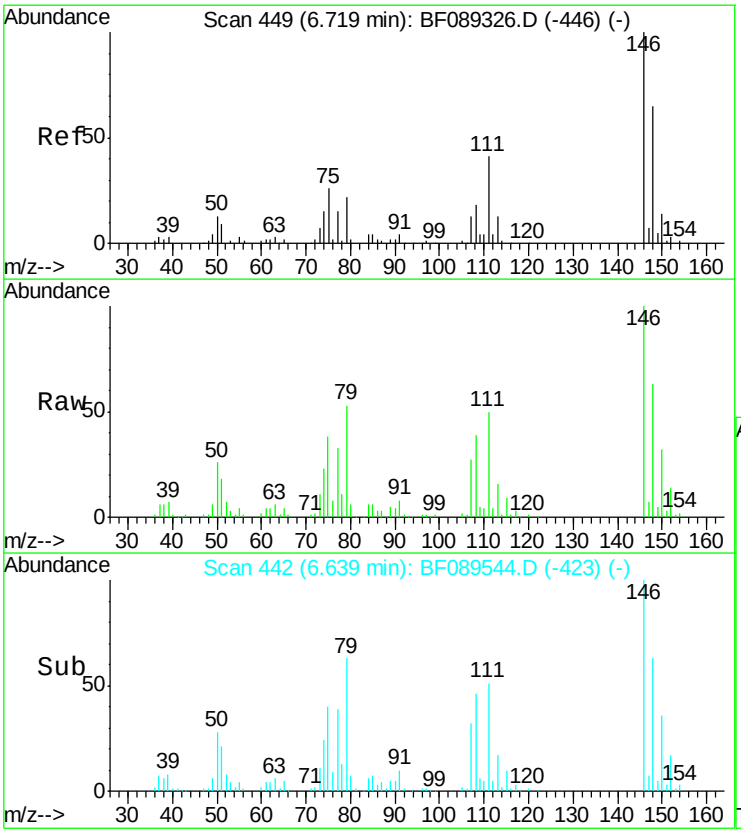
#13
1,4-Dichlorobenzene
Concen: 10.39 ng
RT: 6.64 min Scan# 442
Delta R.T. 0.08 min
Lab File: BF089544.D
Acq: 2 Aug 2016 13:44

Instrument :
BNA_F
ClientSampleId :
PB92601BS

Tgt Ion:146 Resp: 140316

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.8	76.2
111	49.9	38.6	57.8

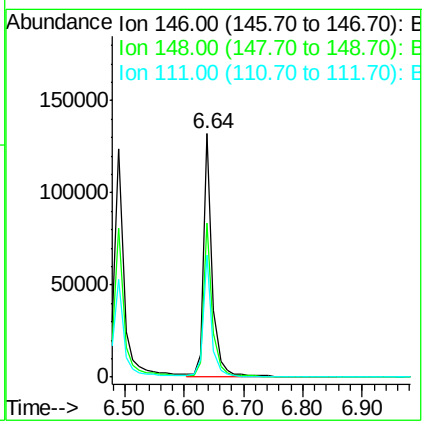


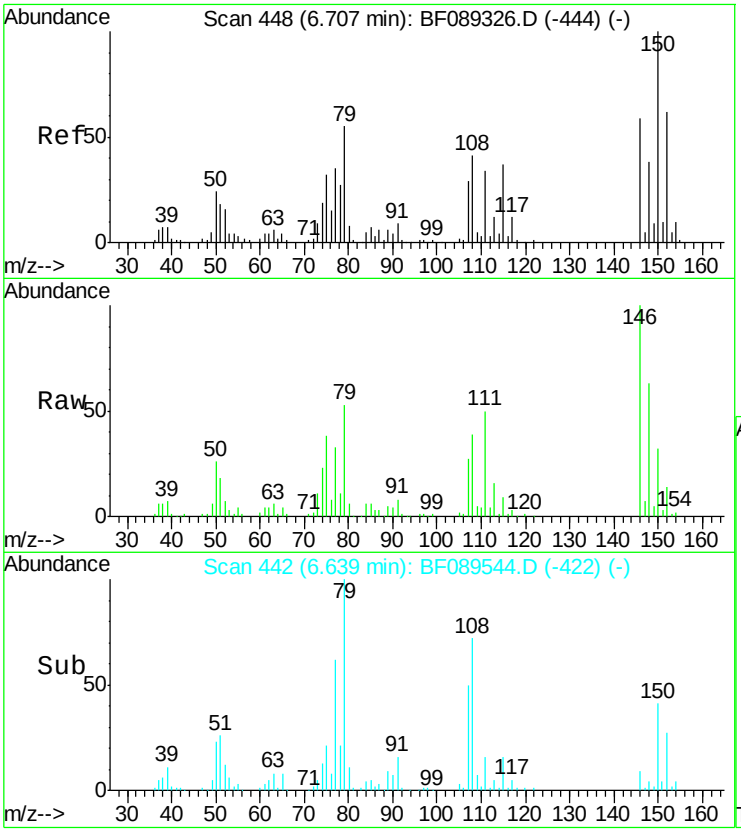


#14
1,2-Dichlorobenzene
Concen: 11.09 ng
RT: 6.64 min Scan# 442
Delta R.T. -0.08 min
Lab File: BF089544.D
Acq: 2 Aug 2016 13:44

Tgt Ion:146 Resp: 140316

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.4	75.6
111	49.9	33.0	49.4#



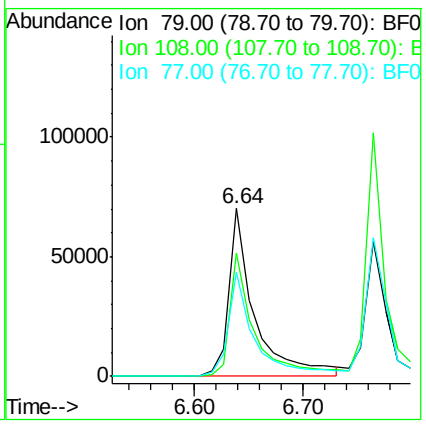


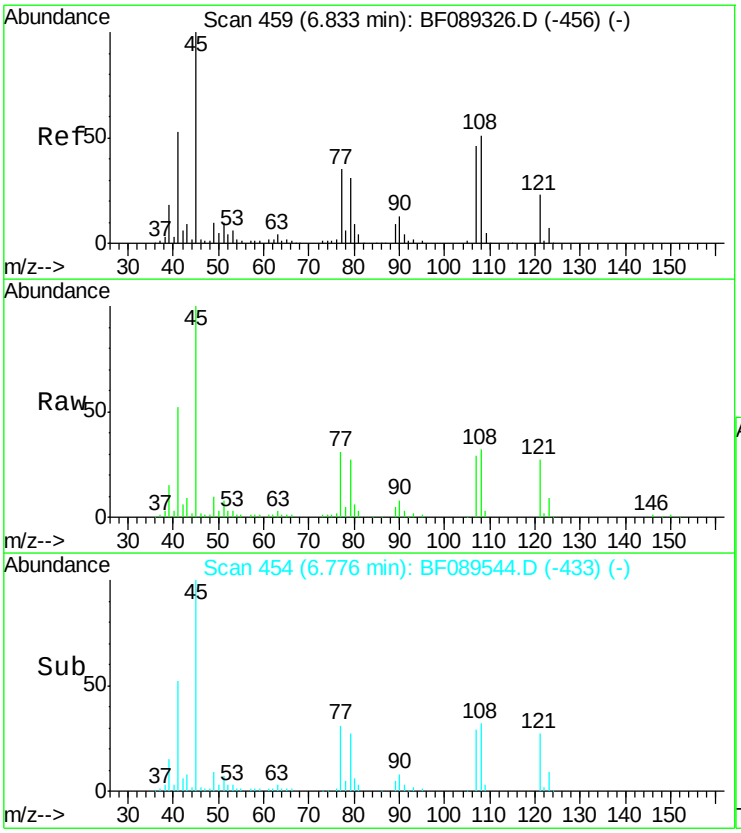
#15
Benzyl Alcohol
Concen: 13.44 ng
RT: 6.64 min Scan# 442
Delta R.T. -0.07 min
Lab File: BF089544.D
Acq: 2 Aug 2016 13:44

Instrument :
BNA_F
ClientSampleId :
PB92601BS

Tgt Ion: 79 Resp: 114002

Ion	Ratio	Lower	Upper
79	100		
108	73.4	59.8	89.6
77	62.3	51.7	77.5

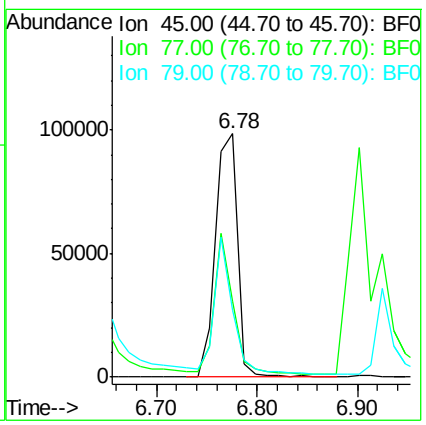


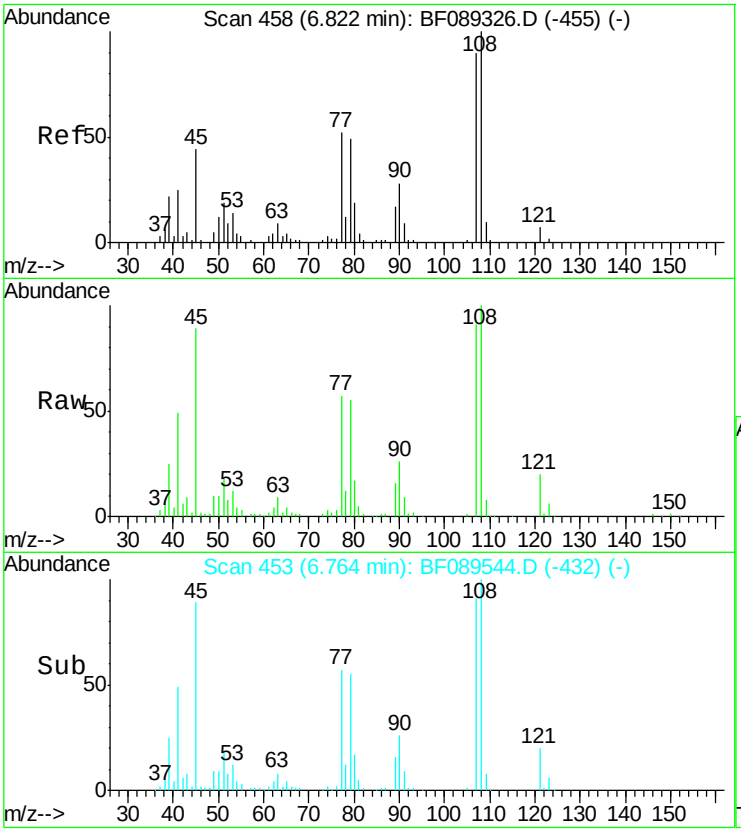


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.72 ng
RT: 6.78 min Scan# 454
Delta R.T. -0.06 min
Lab File: BF089544.D
Acq: 2 Aug 2016 13:44

Tgt Ion: 45 Resp: 149849

Ion	Ratio	Lower	Upper
45	100		
77	31.1	17.3	57.3
79	27.3	13.9	53.9



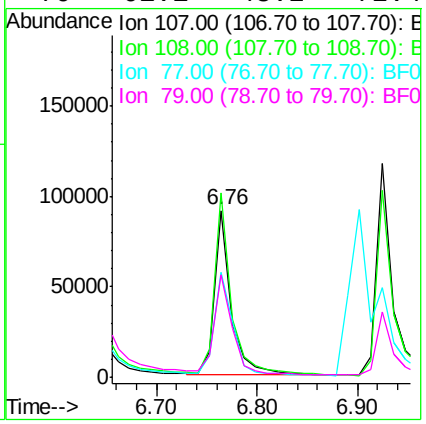


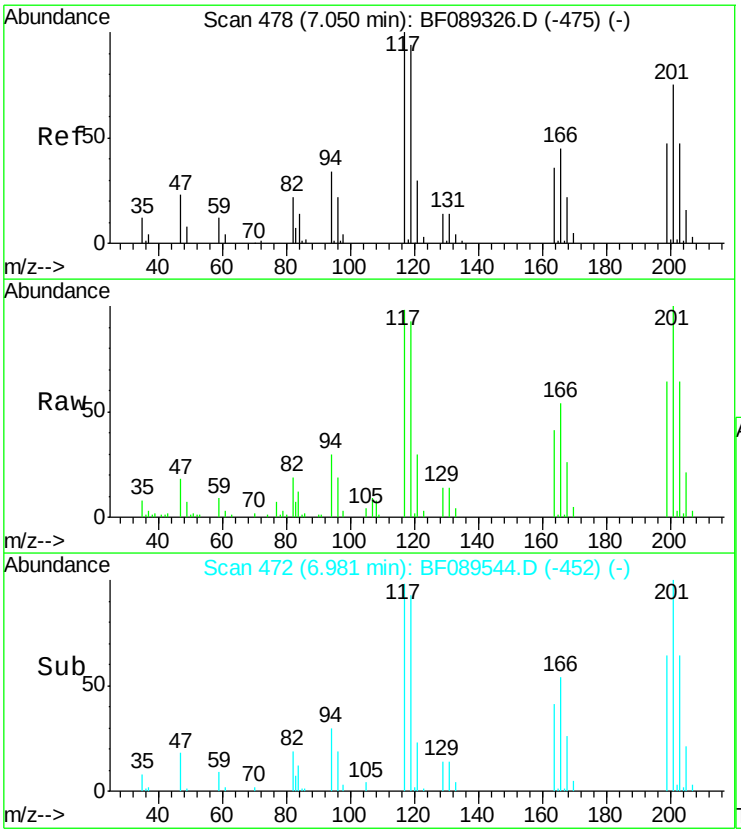
#17
2-Methylphenol
Concen: 11.60 ng
RT: 6.76 min Scan# 453
Delta R.T. -0.06 min
Lab File: BF089544.D
Acq: 2 Aug 2016 13:44

Instrument :
BNA_F
ClientSampleId :
PB92601BS

Tgt Ion:107 Resp: 104910

Ion	Ratio	Lower	Upper
107	100		
108	110.2	91.4	137.0
77	63.0	48.6	73.0
79	61.1	48.2	72.4

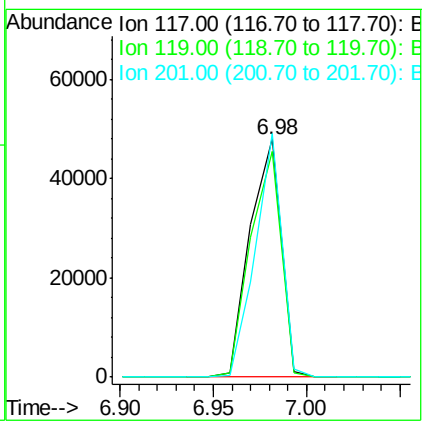


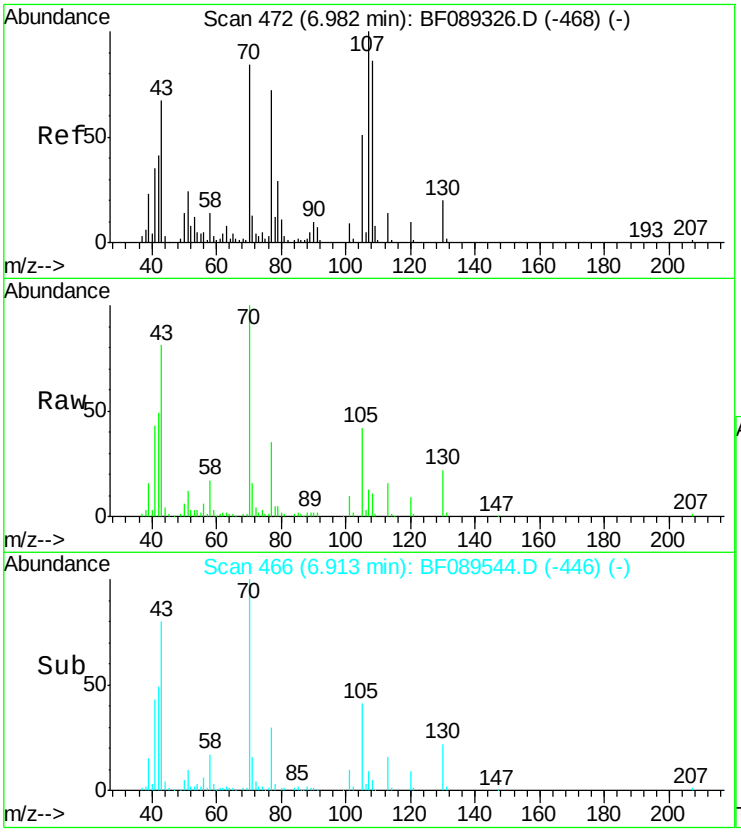


#18
Hexachloroethane
Concen: 10.69 ng
RT: 6.98 min Scan# 472
Delta R.T. -0.07 min
Lab File: BF089544.D
Acq: 2 Aug 2016 13:44

Tgt Ion:117 Resp: 55388

Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.0	114.0
201	102.1	60.0	90.0#



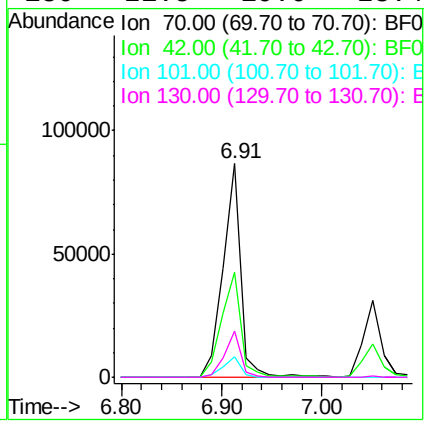


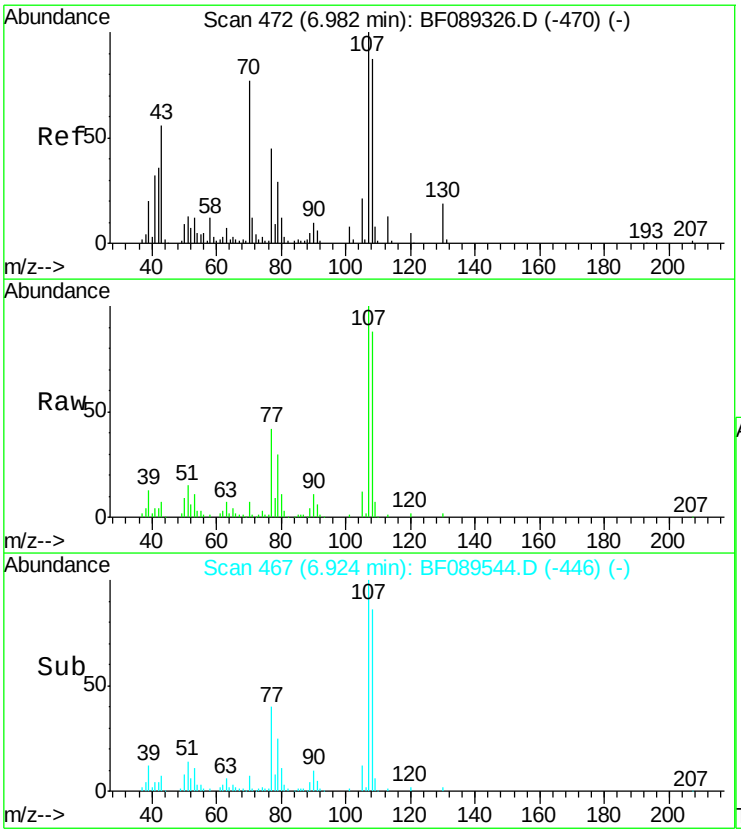
#19
n-Nitroso-di-n-propylamine
Concen: 12.87 ng
RT: 6.91 min Scan# 466
Delta R.T. -0.07 min
Lab File: BF089544.D
Acq: 2 Aug 2016 13:44

Instrument :
BNA_F
ClientSampleId :
PB92601BS

Tgt Ion: 70 Resp: 106116

Ion	Ratio	Lower	Upper
70	100		
42	49.4	38.6	57.8
101	9.7	8.3	12.5
130	21.5	19.0	28.4

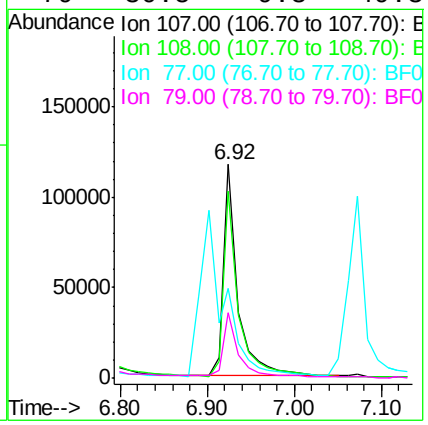


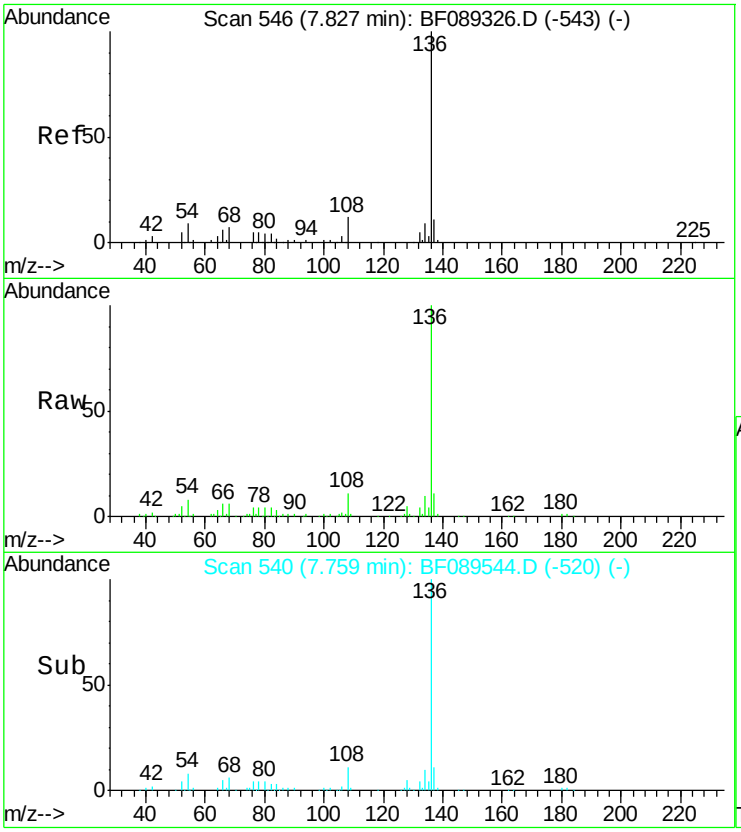


#20
3+4-Methylphenols
Concen: 11.73 ng
RT: 6.92 min Scan# 467
Delta R.T. -0.06 min
Lab File: BF089544.D
Acq: 2 Aug 2016 13:44

Tgt Ion:107 Resp: 136268

Ion	Ratio	Lower	Upper
107	100		
108	87.6	63.3	103.3
77	42.0	51.1	91.1#
79	30.5	9.3	49.3



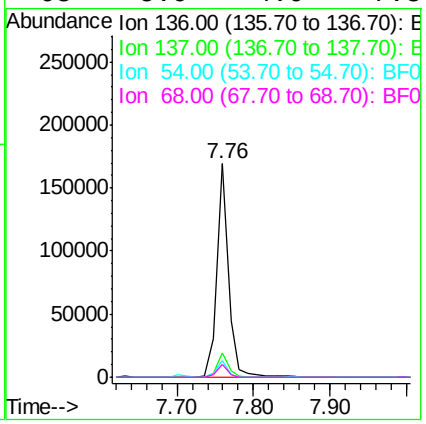


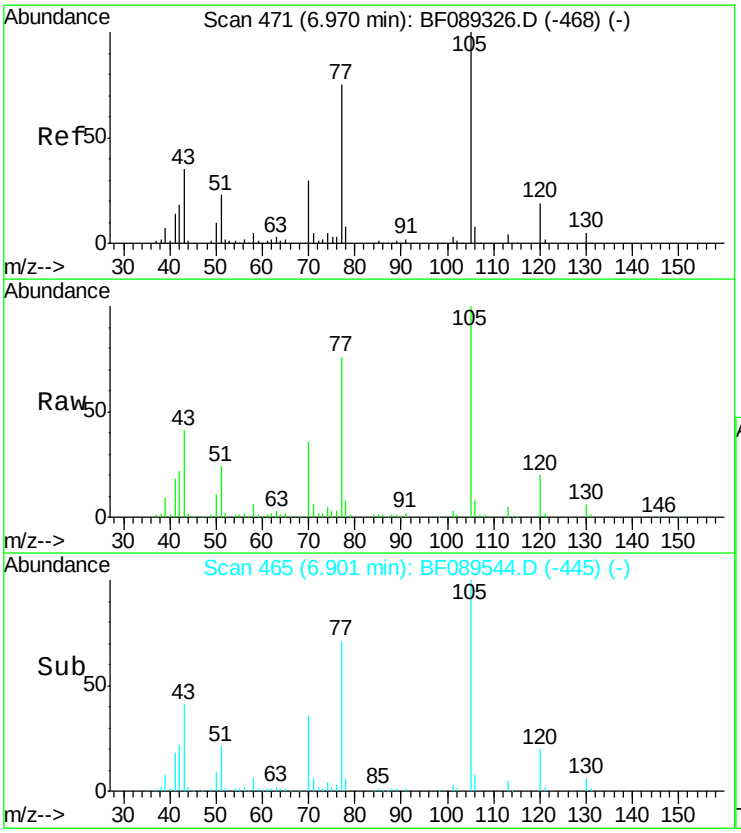
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.76 min Scan# 540
Delta R.T. -0.07 min
Lab File: BF089544.D
Acq: 2 Aug 2016 13:44

Instrument :
BNA_F
ClientSampleId :
PB92601BS

Tgt Ion:136 Resp: 179487

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	7.7	7.0	10.4
68	5.9	4.9	7.3





#22
Acetophenone
Concen: 41.59 ng
RT: 6.90 min Scan# 465
Delta R.T. -0.07 min
Lab File: BF089544.D
Acq: 2 Aug 2016 13:44

Tgt Ion:105 Resp: 177715

Ion	Ratio	Lower	Upper
105	100		
71	6.2	4.2	6.2
51	23.7	18.7	28.1
120	19.6	15.8	23.6