Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081616\
Data File : BF089741.D
Acq On : 17 Aug 2016 4:03
Operator : UM/SJ
Sample : PB92811BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PB92811BS

Quant Time: Aug 17 04:31:00 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 16 19:45:04 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	737013	20.00	ng		0.00
21) Naphthalene-d8	7.99	136	3081241	20.00	ng		0.00
38) Acenaphthene-d10	9.74	164	1438976	20.00	ng		0.00
63) Phenanthrene-d10	11.22	188	2766115	20.00	ng		0.01
75) Chrysene-d12	13.87	240	2073956	20.00	ng		-0.02
86) Perylene-d12	15.35	264	2039921	20.00	ng		-0.06
System Monitoring Compounds							
5) 2-Fluorophenol	5.29	112	4029599	91.22	ng		0.01
7) Phenol-d6	6.34	99	5343170	95.10	ng		0.01
23) Nitrobenzene-d5	7.27	82	3337701	66.14	ng		0.00
41) 2,4,6-Tribromophenol	10.52	330	1402060	100.72	ng		0.00
44) 2-Fluorobiphenyl	9.07	172	5743739	64.05	ng		0.00
78) Terphenyl-d14	12.81	244	5240760	75.49	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.30	88	589624	25.86	ng		100
3) Pyridine	2.94	79	1747027	29.73	ng		94
4) n-Nitrosodimethylamine	2.89	42	743655	31.53	ng		90
6) Aniline	6.36	93	1903183	25.20	ng		98
8) 2-Chlorophenol	6.48	128	1622802	30.89	ng		99
9) Benzaldehyde	6.24	77	330031	8.86	ng		85
10) Phenol	6.35	94	2407352	34.42	ng		97
11) bis(2-Chloroethyl)ether	6.44	93	1771938	34.20	ng		98
12) 1,3-Dichlorobenzene	6.64	146	1719785	30.62	ng		97
13) 1,4-Dichlorobenzene	6.72	146	1814874	31.90	ng		96
14) 1,2-Dichlorobenzene	6.72	146	1814874	33.46	ng		97
15) Benzyl Alcohol	6.84	79	1247854	33.24	ng		98
16) 2,2'-oxybis(1-Chloropropan	6.99	45	2002167	29.45	ng		93
17) 2-Methylphenol	6.96	107	1422594	34.08	ng		99
18) Hexachloroethane	7.21	117	651576	31.25	ng	#	85
19) n-Nitroso-di-n-propylamine	7.13	70	1266388	34.42	ng		92
20) 3+4-Methylphenols	7.12	107	1643265	30.74	ng	#	77
22) Acetophenone	7.12	105	2097404	29.28	ng	#	94
24) Nitrobenzene	7.29	77	1862024	32.80	ng	#	86
25) Isophorone	7.53	82	3135307	31.05	ng		97
26) 2-Nitrophenol	7.60	139	806693	30.20	ng	#	74
27) 2,4-Dimethylphenol	7.66	122	1714329	33.86	ng		98
28) bis(2-Chloroethoxy)methane	7.75	93	1934434	31.53	ng		97
29) 2,4-Dichlorophenol	7.85	162	1410365	33.46	ng		97
30) 1,2,4-Trichlorobenzene	7.93	180	1427449	31.55	ng		99
31) Naphthalene	8.01	128	4624993	33.44	ng		96
32) Benzoic acid	7.78	122	1045756	26.57	ng	#	85
33) 4-Chloroaniline	8.06	127	1231871	19.25	ng	#	87
34) Hexachlorobutadiene	8.14	225	757736	31.88	ng		99
35) Caprolactam	8.43	113	319379	24.59	ng		95
36) 4-Chloro-3-methylphenol	8.55	107	1437838	31.34	ng		94
37) 2-Methylnaphthalene	8.70	142	3117662	33.12	ng	#	96
39) 1,2,4,5-Tetrachlorobenzene	8.87	216	1048315	22.66	ng		98
40) Hexachlorocyclopentadiene	8.87	237	1516937	73.58	ng		96

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081616\
Data File : BF089741.D
Acq On : 17 Aug 2016 4:03
Operator : UM/SJ
Sample : PB92811BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PB92811BS

Quant Time: Aug 17 04:31:00 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 16 19:45:04 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	8.98	196	1072616	35.89	ng		100
43) 2,4,5-Trichlorophenol	9.02	196	916249	32.16	ng	#	90
45) 1,1'-Biphenyl	9.16	154	3116085	26.15	ng		99
46) 2-Chloronaphthalene	9.19	162	2842904	31.83	ng		98
47) 2-Nitroaniline	9.28	65	879362	32.32	ng		94
48) Acenaphthylene	9.60	152	4261327	31.00	ng		97
49) Dimethylphthalate	9.47	163	3274867	31.45	ng		99
50) 2,6-Dinitrotoluene	9.53	165	767201	32.56	ng		92
51) Acenaphthene	9.77	154	3142758	33.88	ng		99
52) 3-Nitroaniline	9.69	138	586070	21.39	ng		97
53) 2,4-Dinitrophenol	9.80	184	865204	82.15	ng	#	67
54) Dibenzofuran	9.94	168	3929344	34.42	ng		99
55) 4-Nitrophenol	9.86	139	1602290	76.01	ng		95
56) 2,4-Dinitrotoluene	9.93	165	1026129	33.87	ng	#	66
57) Fluorene	10.28	166	2763052	29.96	ng		99
58) 2,3,4,6-Tetrachlorophenol	10.07	232	860001	38.65	ng	#	97
59) Diethylphthalate	10.18	149	3622516	34.31	ng		97
60) 4-Chlorophenyl-phenylether	10.28	204	1317210	29.09	ng		96
61) 4-Nitroaniline	10.31	138	829048	31.16	ng		95
62) Azobenzene	10.44	77	3829015	38.38	ng		97
64) 4,6-Dinitro-2-methylphenol	10.33	198	484475	30.16	ng		75
65) n-Nitrosodiphenylamine	10.41	169	2926425	33.71	ng		99
66) 4-Bromophenyl-phenylether	10.78	248	971438	33.91	ng	#	92
67) Hexachlorobenzene	10.83	284	1060447	33.30	ng	#	90
68) Atrazine	10.94	200	827486	31.47	ng		97
69) Pentachlorophenol	11.03	266	1290512	65.05	ng		99
70) Phenanthrene	11.25	178	4803017	35.33	ng		94
71) Anthracene	11.29	178	4177327	29.41	ng		96
72) Carbazole	11.45	167	4722445	35.09	ng		96
73) Di-n-butylphthalate	11.79	149	4904529	29.96	ng		97
74) Fluoranthene	12.42	202	4346849	31.82	ng		92
76) Benzidine	12.55	184	1438958	19.33	ng		99
77) Pyrene	12.65	202	4723962	34.81	ng		93
79) Butylbenzylphthalate	13.30	149	2443406	35.89	ng		88
80) Benzo(a)anthracene	13.86	228	4235608	35.15	ng		98
81) 3,3'-Dichlorobenzidine	13.84	252	1352531	30.81	ng	#	93
82) Chrysene	13.91	228	3795861	35.00	ng		95
83) Bis(2-ethylhexyl)phthalate	13.89	149	3264481	36.23	ng	#	98
84) Di-n-octyl phthalate	14.56	149	5076823	36.25	ng		98
85) Indeno(1,2,3-cd)pyrene	16.65	276	3410776	36.92	ng		99
87) Benzo(b)fluoranthene	14.99	252	7592338	58.74	ng	#	94
88) Benzo(k)fluoranthene	14.99	252	7597663	71.42	ng		97
89) Benzo(a)pyrene	15.29	252	3498266	32.78	ng		97
90) Dibenzo(a,h)anthracene	16.67	278	2840739	33.81	ng		99
91) Benzo(g,h,i)perylene	17.04	276	2815351	32.92	ng		96

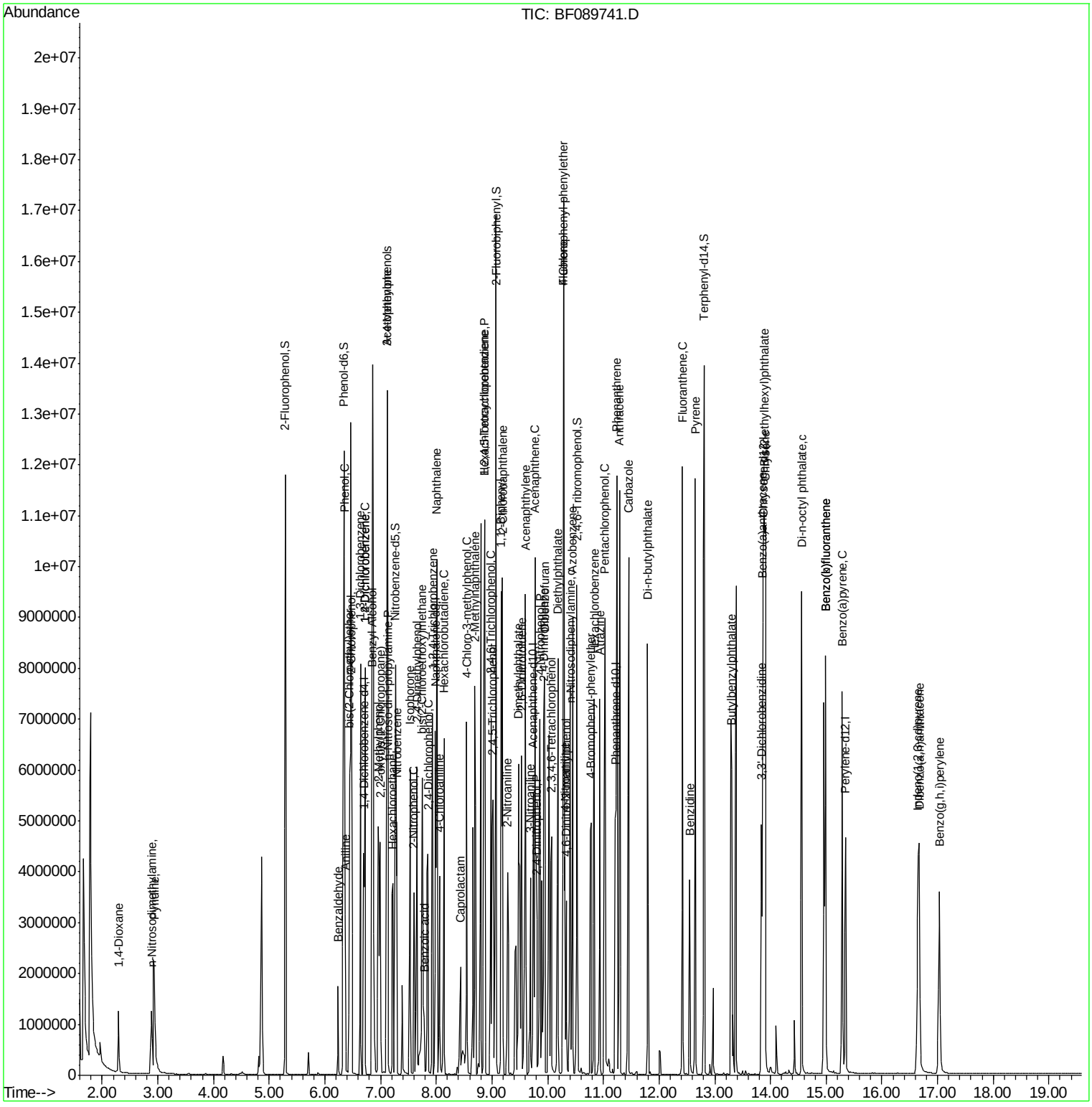
(#) = qualifier out of range (m) = manual integration (+) = signals summed

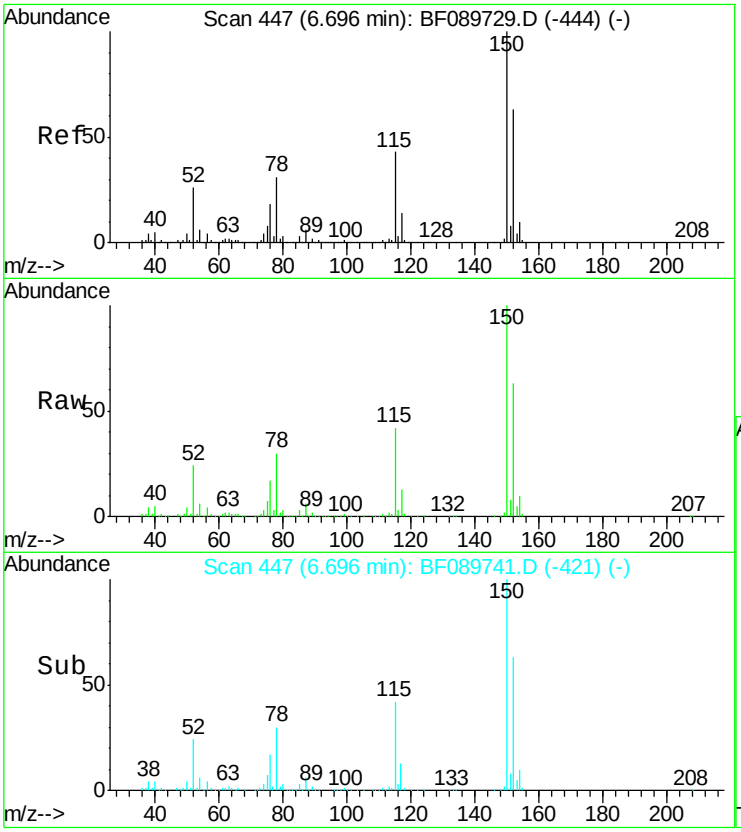
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081616\
Data File : BF089741.D
Acq On : 17 Aug 2016 4:03
Operator : UM/SJ
Sample : PB92811BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB92811BS

Quant Time: Aug 17 04:31:00 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 16 19:45:04 2016
Response via : Initial Calibration



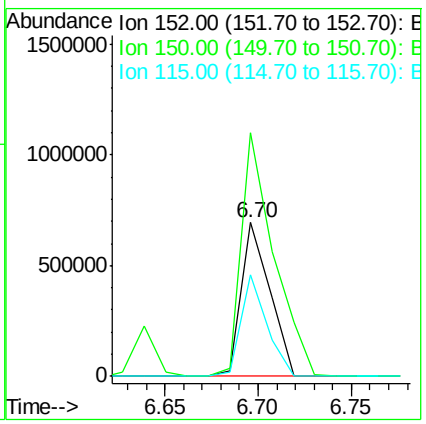


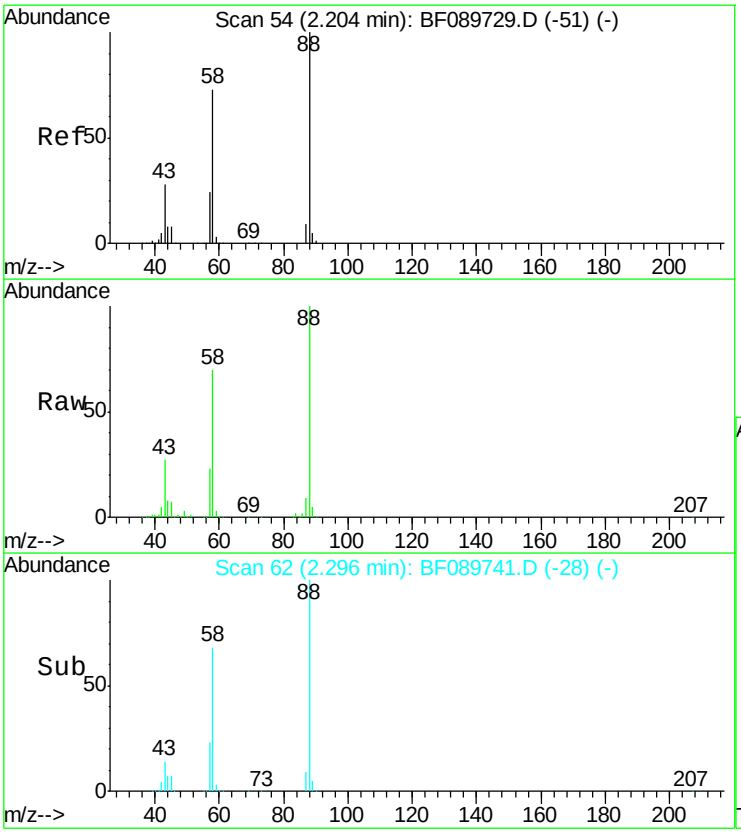
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF089741.D
Acq: 17 Aug 2016 4:03

Instrument :
BNA_F
ClientSampleId :
PB92811BS

Tgt Ion:152 Resp: 737013

Ion	Ratio	Lower	Upper
152	100		
150	158.3	125.3	187.9
115	66.4	40.9	61.3#

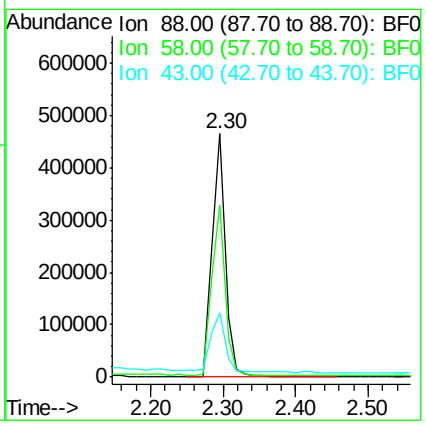


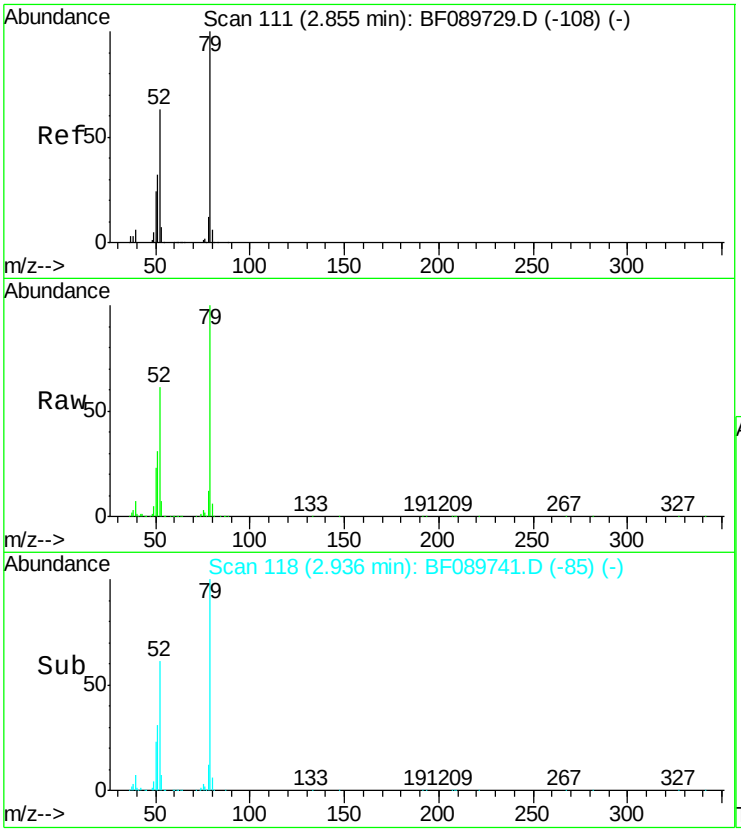


#2
1,4-Dioxane
Concen: 25.86 ng
RT: 2.30 min Scan# 62
Delta R.T. 0.09 min
Lab File: BF089741.D
Acq: 17 Aug 2016 4:03

Tgt Ion: 88 Resp: 589624

Ion	Ratio	Lower	Upper
88	100		
58	71.6	57.0	85.4
43	27.4	21.8	32.8



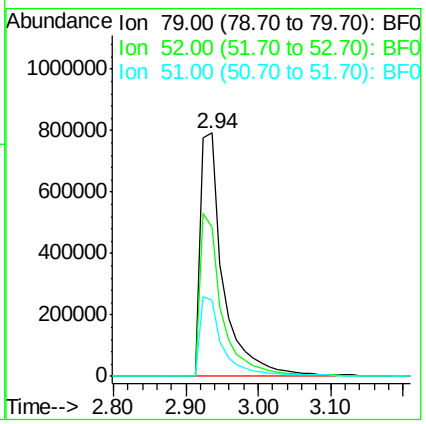


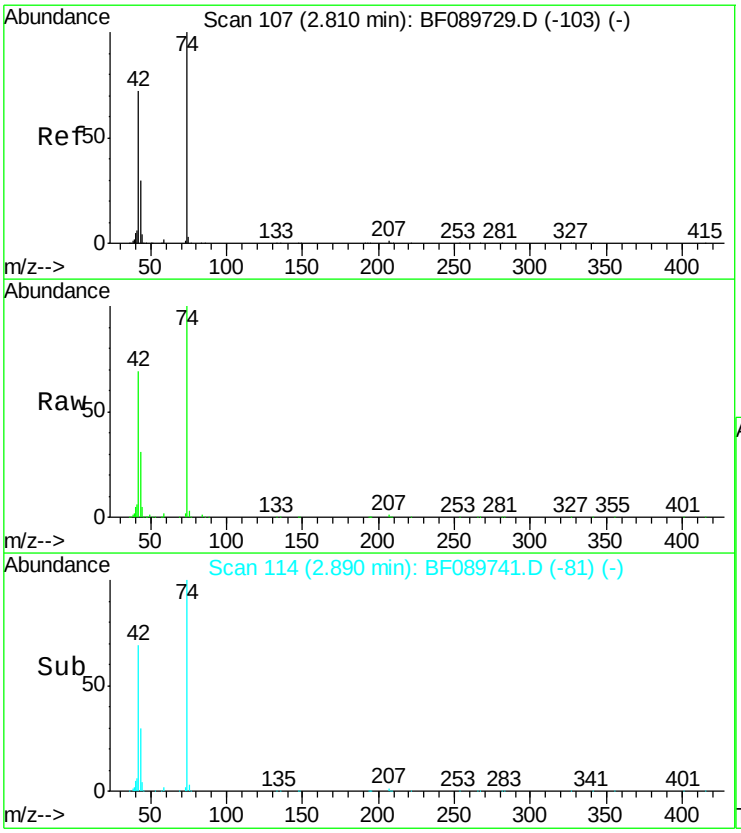
#3
Pyridine
Concen: 29.73 ng
RT: 2.94 min Scan# 118
Delta R.T. 0.08 min
Lab File: BF089741.D
Acq: 17 Aug 2016 4:03

Instrument :
BNA_F
ClientSampleId :
PB92811BS

Tgt Ion: 79 Resp: 1747027

Ion	Ratio	Lower	Upper
79	100		
52	61.0	53.6	80.4
51	31.2	26.6	39.8

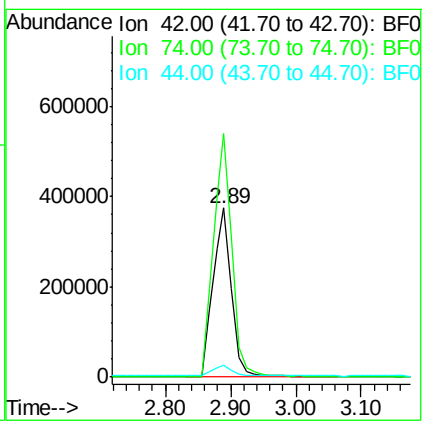


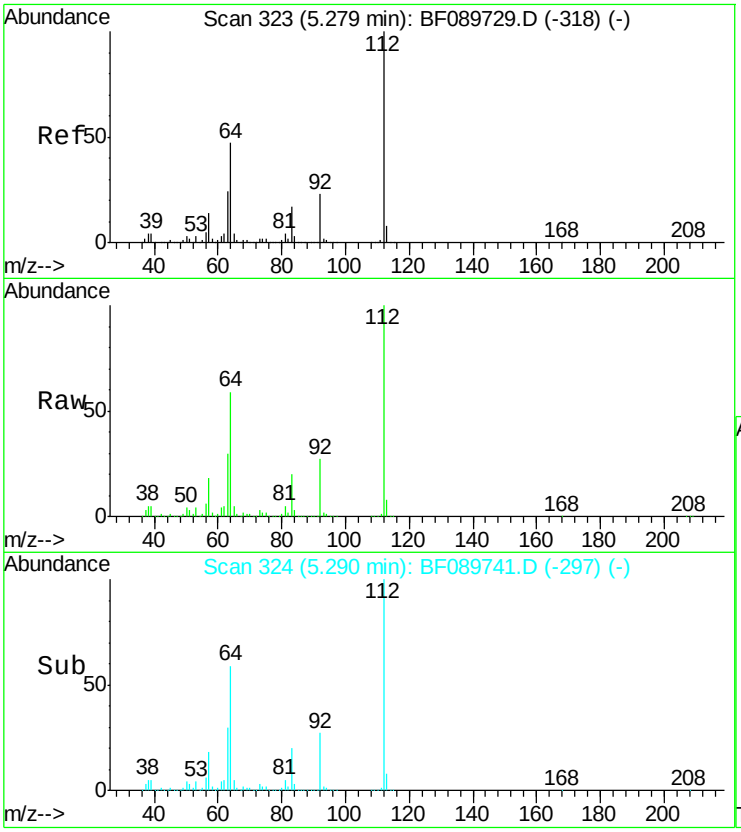


#4
n-Nitrosodimethylamine
Concen: 31.53 ng
RT: 2.89 min Scan# 114
Delta R.T. 0.08 min
Lab File: BF089741.D
Acq: 17 Aug 2016 4:03

Tgt Ion: 42 Resp: 743655

Ion	Ratio	Lower	Upper
42	100		
74	144.3	106.2	159.2
44	7.0	6.9	10.3



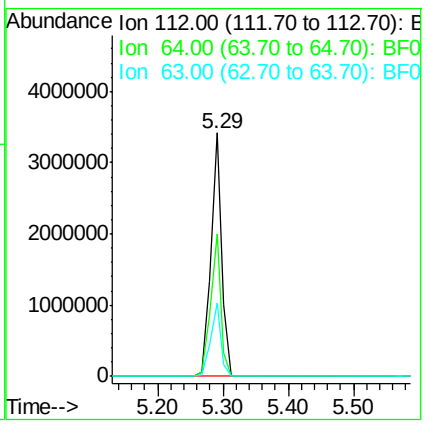


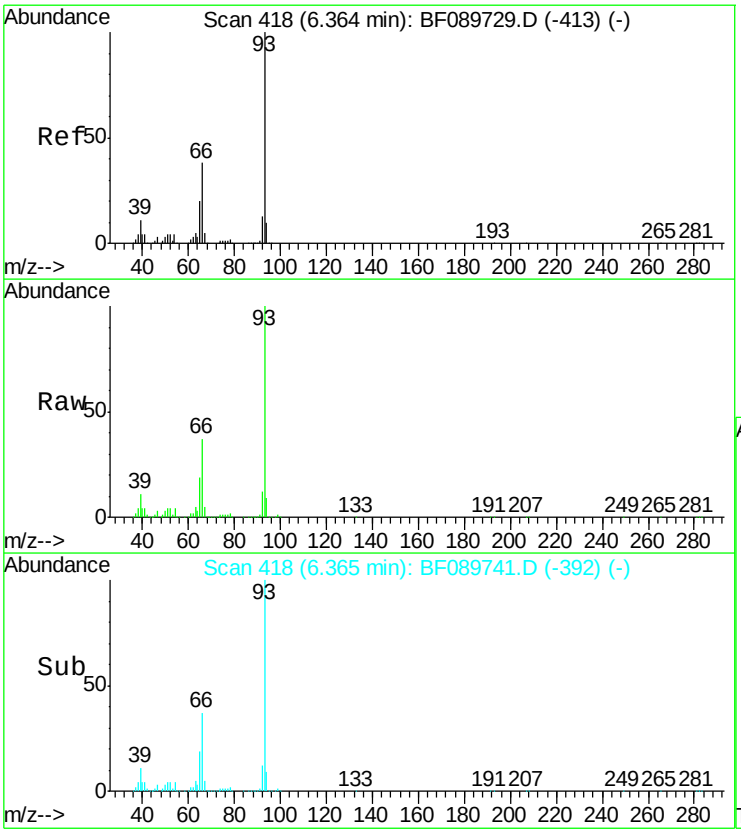
#5
2-Fluorophenol
Concen: 91.22 ng
RT: 5.29 min Scan# 324
Delta R.T. 0.01 min
Lab File: BF089741.D
Acq: 17 Aug 2016 4:03

Instrument :
BNA_F
ClientSampleId :
PB92811BS

Tgt Ion:112 Resp: 4029599

Ion	Ratio	Lower	Upper
112	100		
64	58.6	45.0	67.4
63	30.4	23.1	34.7

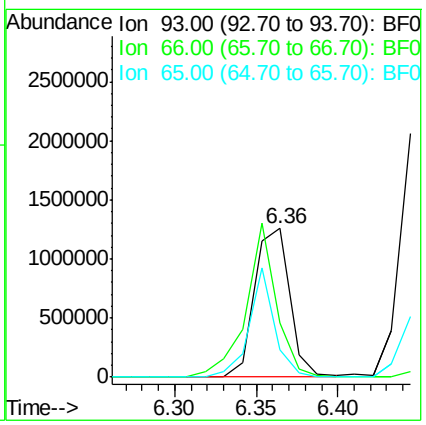


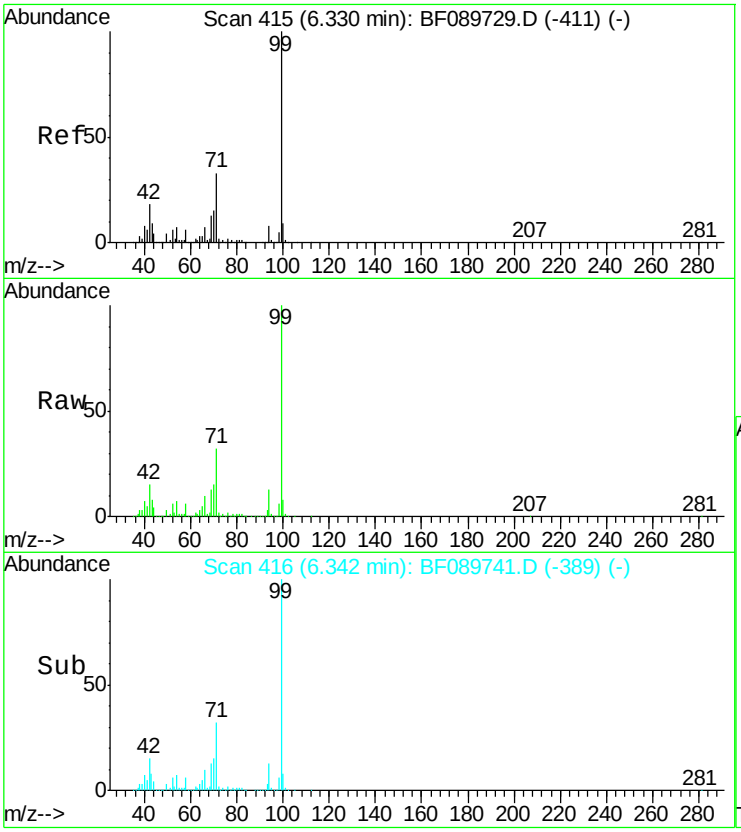


#6
Aniline
Concen: 25.20 ng
RT: 6.36 min Scan# 418
Delta R.T. 0.00 min
Lab File: BF089741.D
Acq: 17 Aug 2016 4:03

Tgt Ion: 93 Resp: 1903183

Ion	Ratio	Lower	Upper
93	100		
66	36.6	30.6	46.0
65	18.6	15.4	23.2



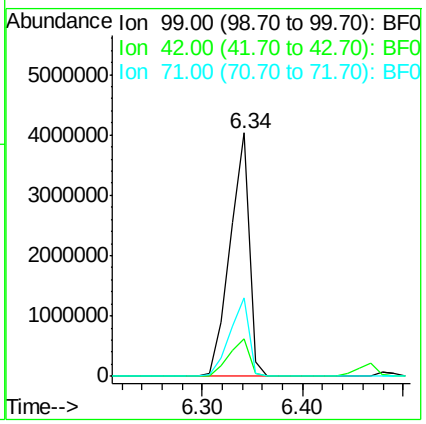


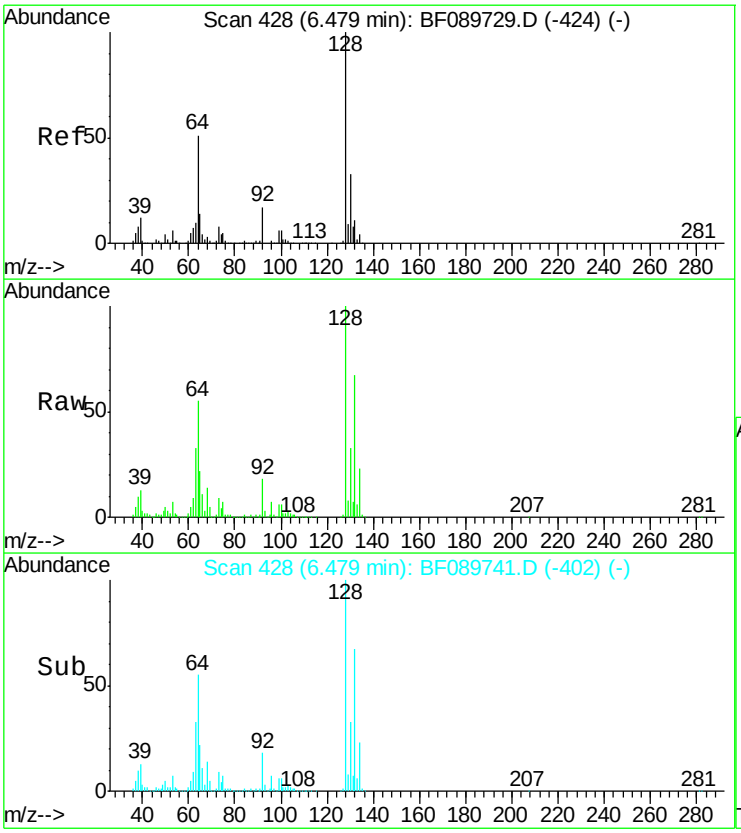
#7
Phenol-d6
Concen: 95.10 ng
RT: 6.34 min Scan# 416
Delta R.T. 0.01 min
Lab File: BF089741.D
Acq: 17 Aug 2016 4:03

Instrument :
BNA_F
ClientSampleId :
PB92811BS

Tgt Ion: 99 Resp: 5343170

Ion	Ratio	Lower	Upper
99	100		
42	15.5	12.2	18.4
71	32.1	23.8	35.8

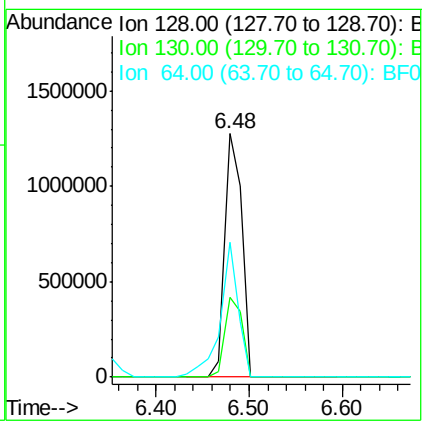


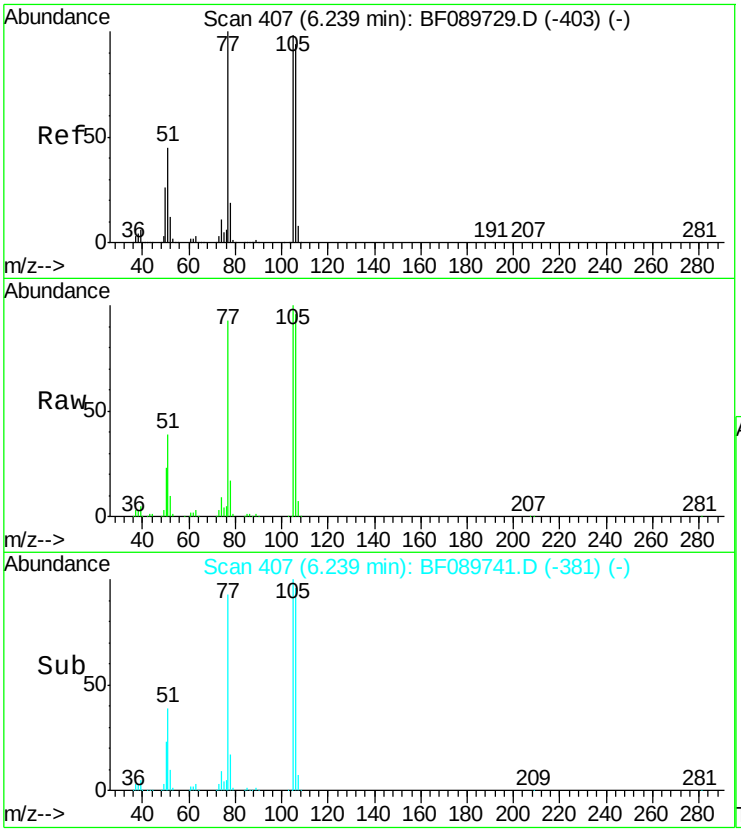


#8
2-Chlorophenol
Concen: 30.89 ng
RT: 6.48 min Scan# 428
Delta R.T. 0.00 min
Lab File: BF089741.D
Acq: 17 Aug 2016 4:03

Tgt Ion:128 Resp: 1622802

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.0	52.0
64	55.2	35.1	75.1



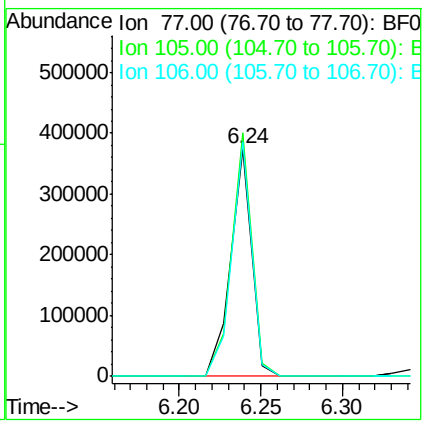


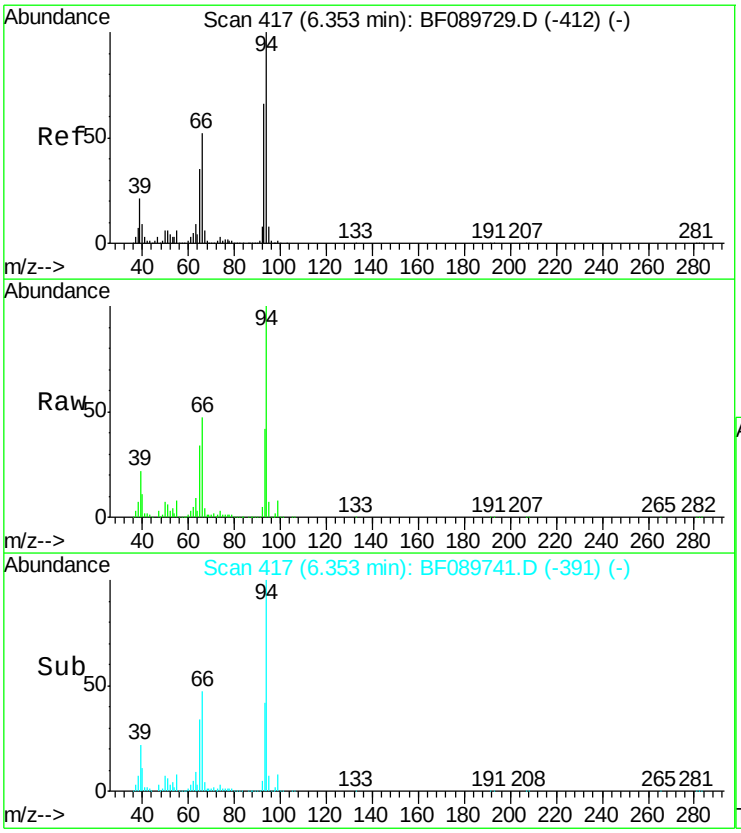
#9
Benzaldehyde
Concen: 8.86 ng
RT: 6.24 min Scan# 407
Delta R.T. 0.00 min
Lab File: BF089741.D
Acq: 17 Aug 2016 4:03

Instrument :
BNA_F
ClientSampleId :
PB92811BS

Tgt Ion: 77 Resp: 330031

Ion	Ratio	Lower	Upper
77	100		
105	107.2	73.3	113.3
106	103.3	68.6	108.6

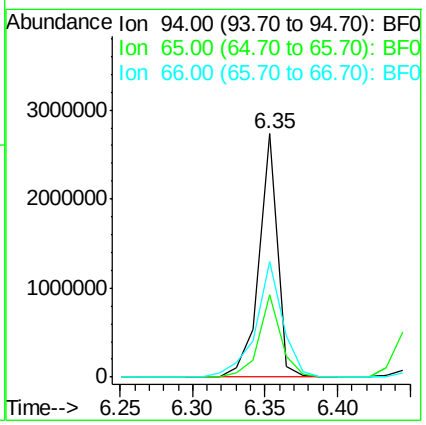


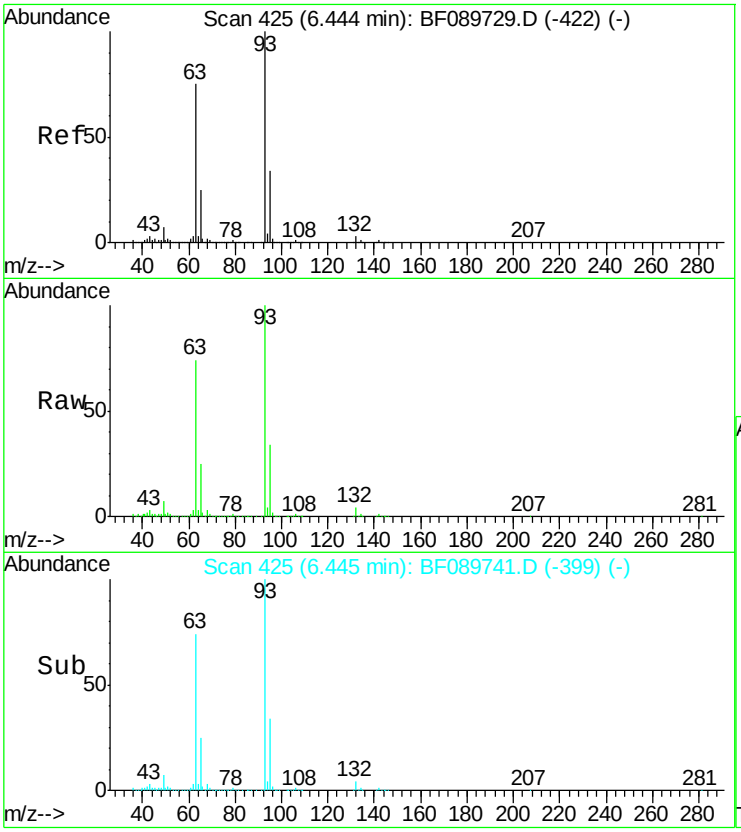


#10
Phenol
Concen: 34.42 ng
RT: 6.35 min Scan# 417
Delta R.T. 0.00 min
Lab File: BF089741.D
Acq: 17 Aug 2016 4:03

Tgt Ion: 94 Resp: 2407352

Ion	Ratio	Lower	Upper
94	100		
65	33.8	14.0	54.0
66	47.5	31.2	71.2



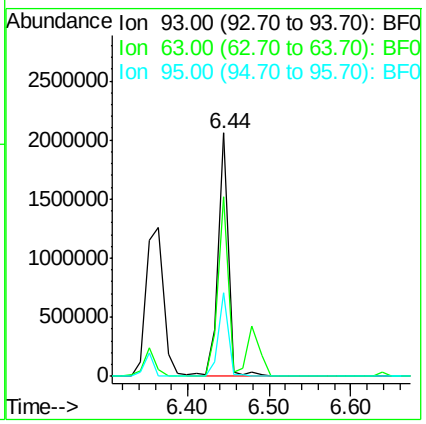


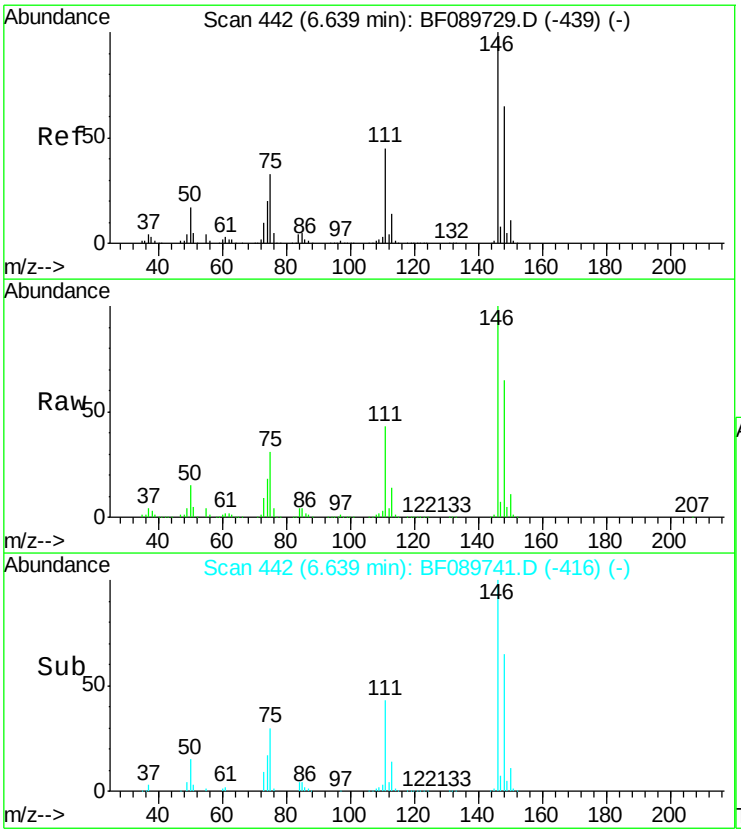
#11
bis(2-Chloroethyl)ether
Concen: 34.20 ng
RT: 6.44 min Scan# 425
Delta R.T. 0.00 min
Lab File: BF089741.D
Acq: 17 Aug 2016 4:03

Instrument :
BNA_F
ClientSampleId :
PB92811BS

Tgt Ion: 93 Resp: 1771938

Ion	Ratio	Lower	Upper
93	100		
63	73.8	55.8	95.8
95	34.2	13.0	53.0

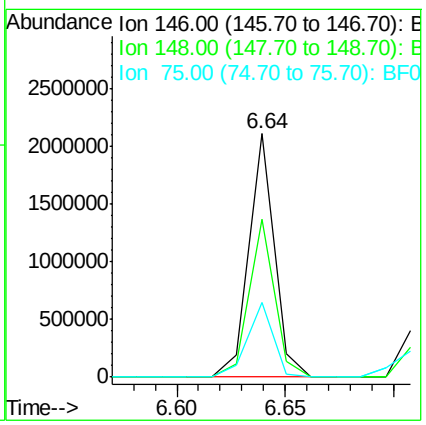


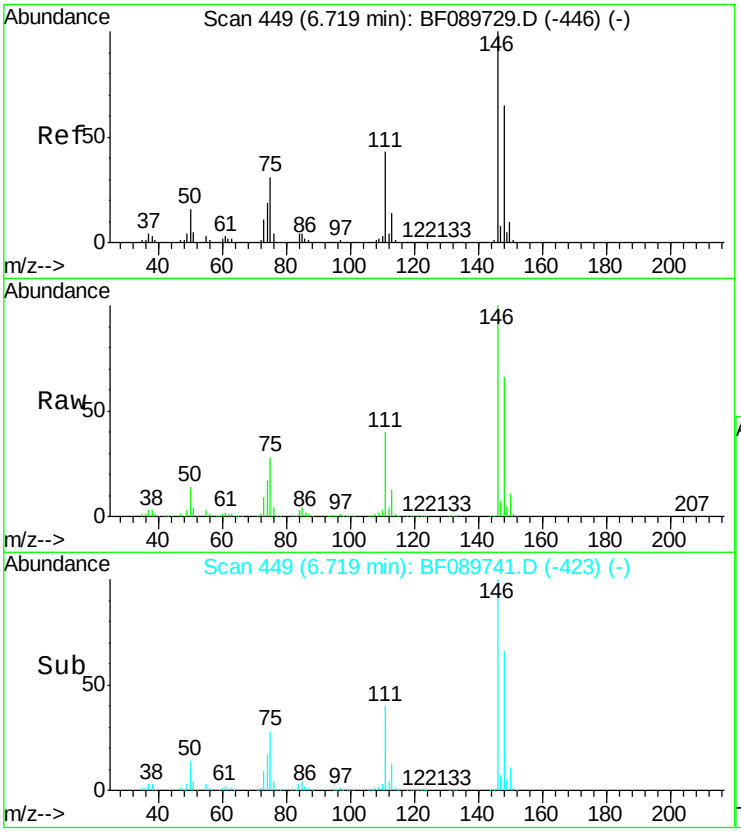


#12
1,3-Dichlorobenzene
Concen: 30.62 ng
RT: 6.64 min Scan# 442
Delta R.T. 0.00 min
Lab File: BF089741.D
Acq: 17 Aug 2016 4:03

Tgt Ion:146 Resp: 1719785

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.0	76.4
75	30.8	27.0	40.6



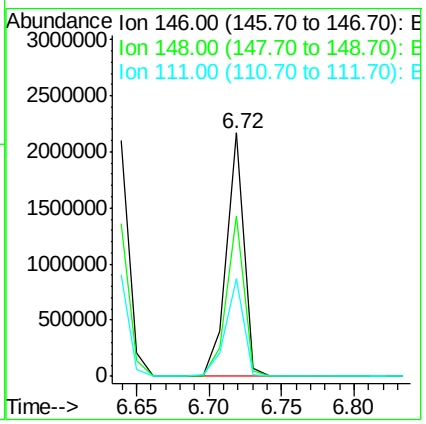


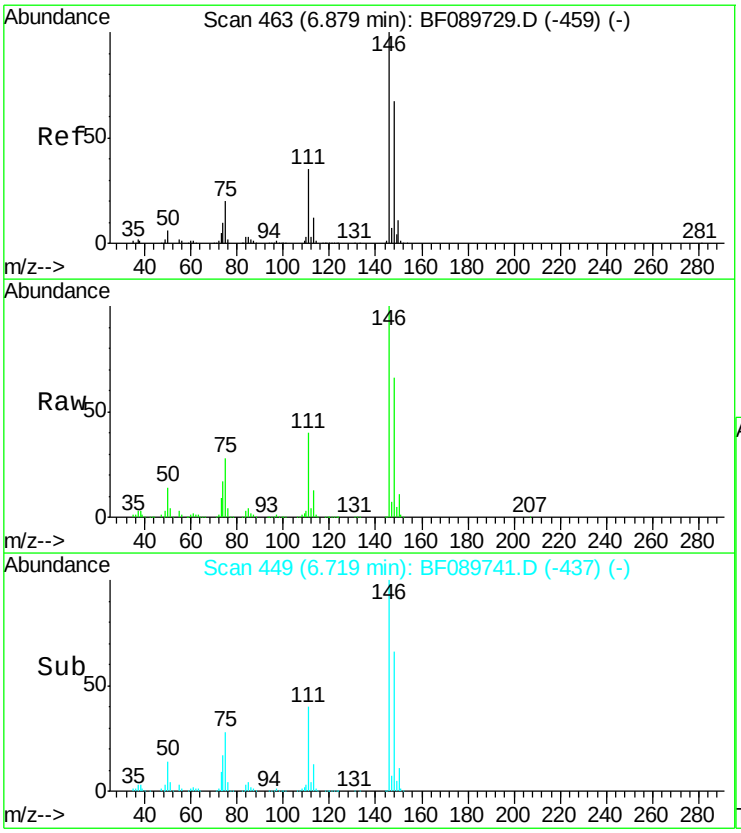
#13
1,4-Dichlorobenzene
Concen: 31.90 ng
RT: 6.72 min Scan# 449
Delta R.T. 0.00 min
Lab File: BF089741.D
Acq: 17 Aug 2016 4:03

Instrument :
BNA_F
ClientSampleId :
PB92811BS

Tgt Ion:146 Resp: 1814874

Ion	Ratio	Lower	Upper
146	100		
148	66.1	51.0	76.6
111	40.2	34.6	52.0

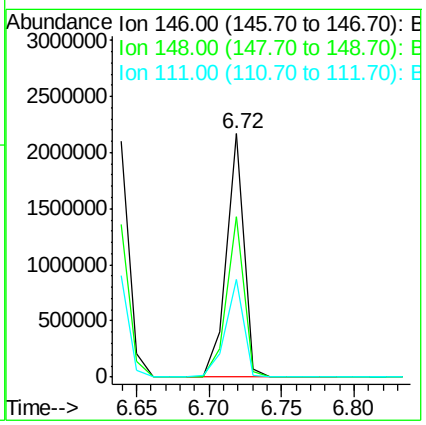


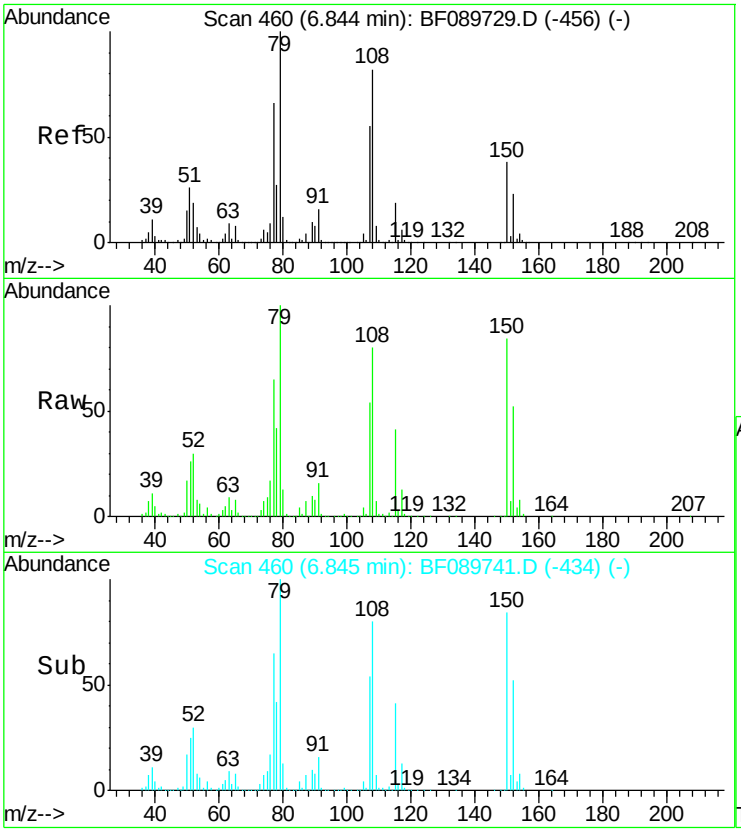


#14
1,2-Dichlorobenzene
Concen: 33.46 ng
RT: 6.72 min Scan# 449
Delta R.T. -0.16 min
Lab File: BF089741.D
Acq: 17 Aug 2016 4:03

Tgt Ion:146 Resp: 1814874

Ion	Ratio	Lower	Upper
146	100		
148	66.1	52.2	78.2
111	40.2	29.8	44.6



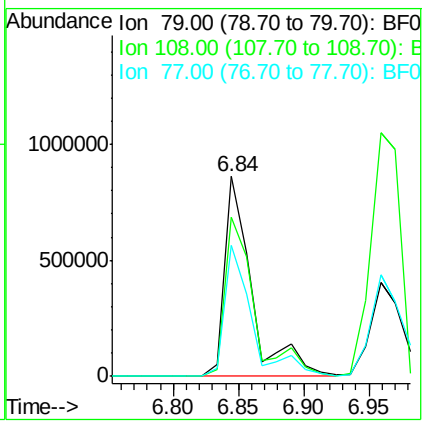


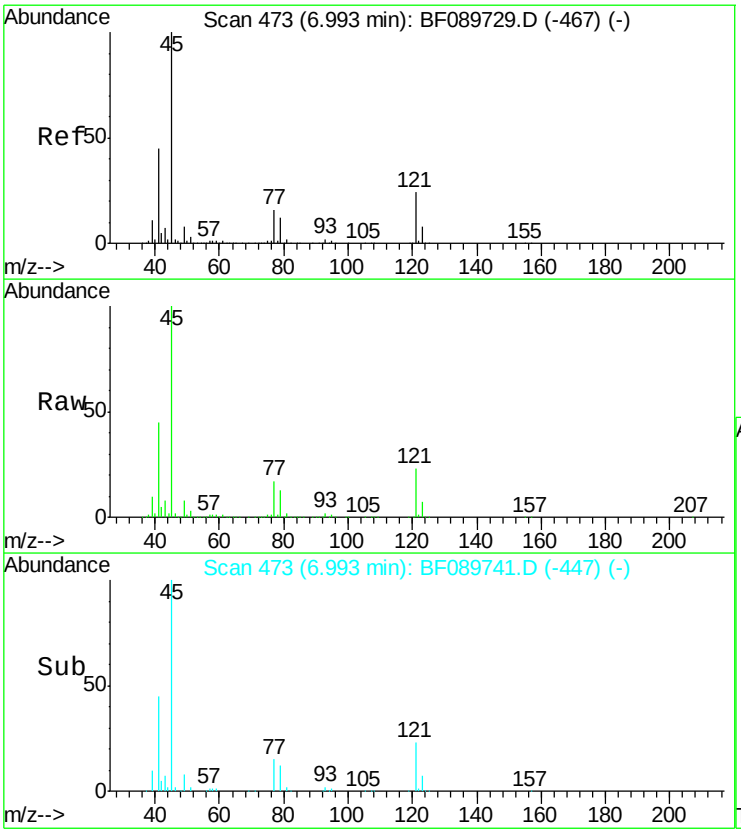
#15
Benzyl Alcohol
Concen: 33.24 ng
RT: 6.84 min Scan# 460
Delta R.T. 0.00 min
Lab File: BF089741.D
Acq: 17 Aug 2016 4:03

Instrument :
BNA_F
ClientSampleId :
PB92811BS

Tgt Ion: 79 Resp: 1247854

Ion	Ratio	Lower	Upper
79	100		
108	79.6	62.5	93.7
77	65.4	51.5	77.3

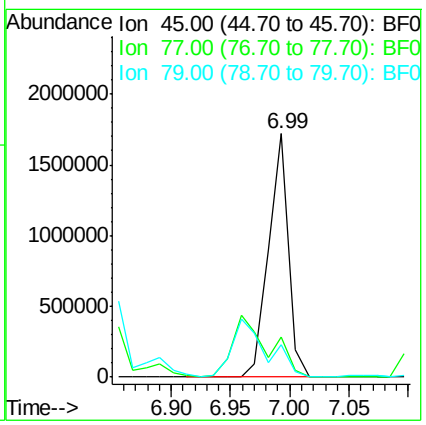


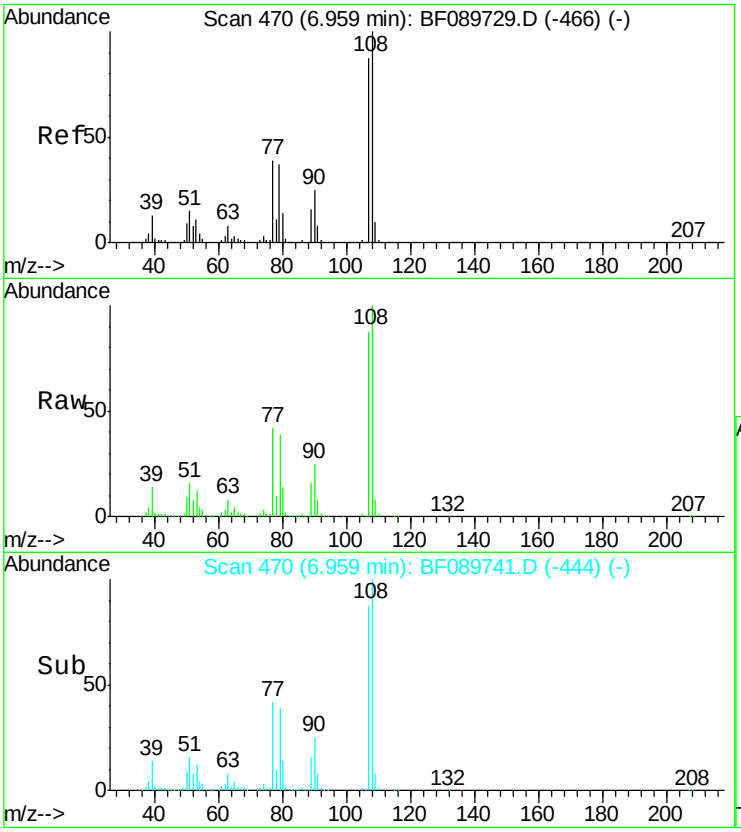


#16
2,2'-oxybis(1-Chloropropane)
Concen: 29.45 ng
RT: 6.99 min Scan# 473
Delta R.T. 0.00 min
Lab File: BF089741.D
Acq: 17 Aug 2016 4:03

Tgt Ion: 45 Resp: 2002167

Ion	Ratio	Lower	Upper
45	100		
77	16.5	0.0	33.5
79	13.3	0.0	30.7



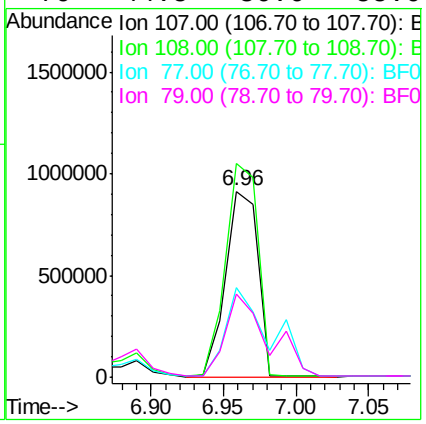


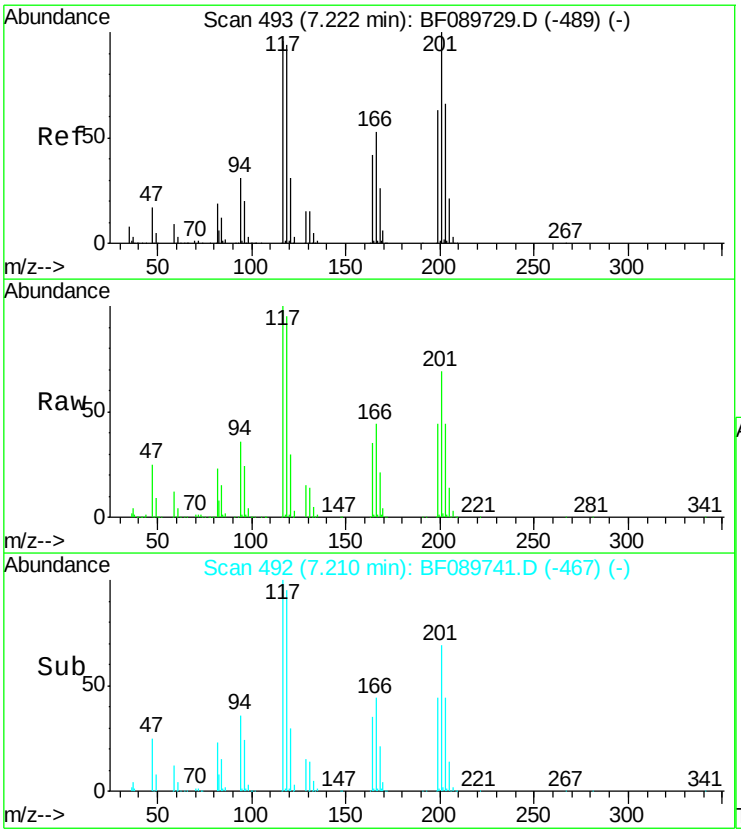
#17
2-Methylphenol
Concen: 34.08 ng
RT: 6.96 min Scan# 470
Delta R.T. 0.00 min
Lab File: BF089741.D
Acq: 17 Aug 2016 4:03

Instrument :
BNA_F
ClientSampleId :
PB92811BS

Tgt Ion:107 Resp: 1422594

Ion	Ratio	Lower	Upper
107	100		
108	114.7	91.0	136.4
77	48.0	37.4	56.0
79	44.5	36.6	55.0

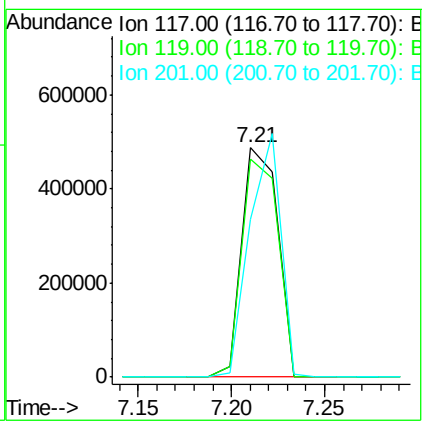


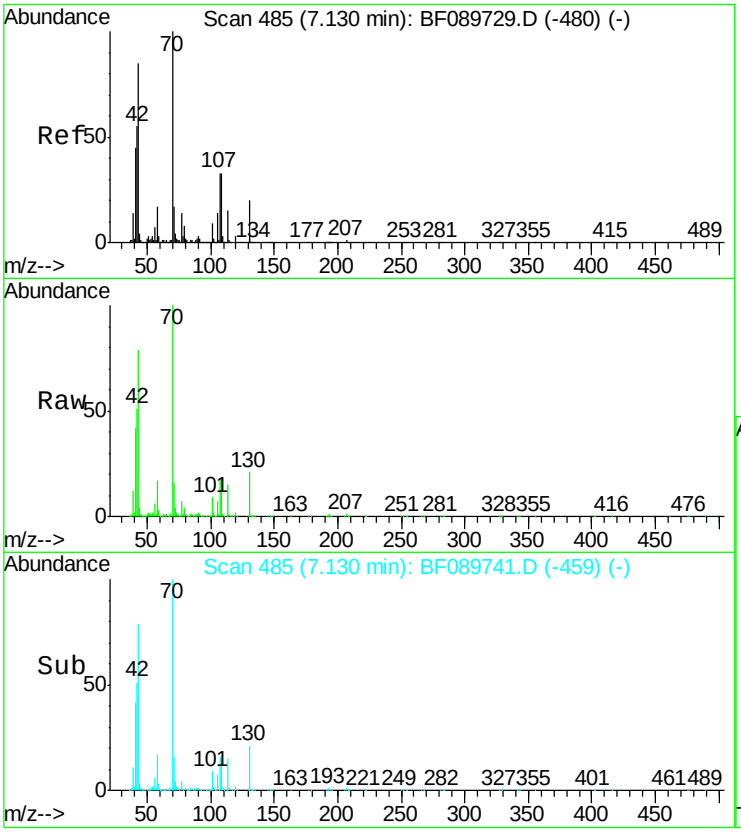


#18
Hexachloroethane
Concen: 31.25 ng
RT: 7.21 min Scan# 492
Delta R.T. -0.01 min
Lab File: BF089741.D
Acq: 17 Aug 2016 4:03

Tgt Ion:117 Resp: 651576

Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.1	115.7
201	68.9	76.9	115.3#



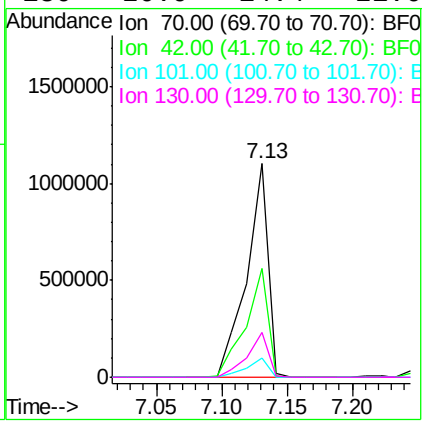


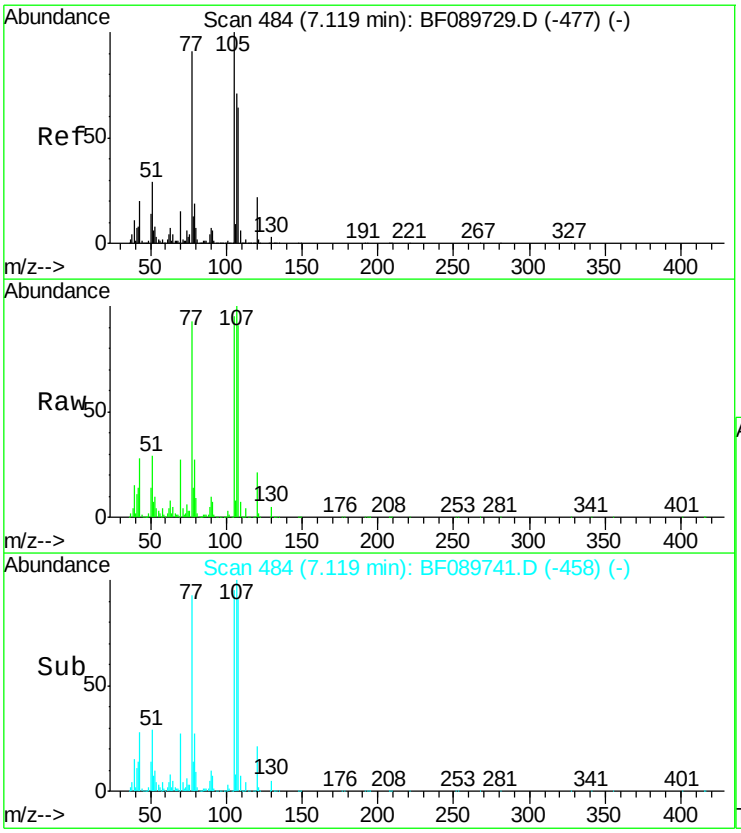
#19
n-Nitroso-di-n-propylamine
Concen: 34.42 ng
RT: 7.13 min Scan# 485
Delta R.T. 0.00 min
Lab File: BF089741.D
Acq: 17 Aug 2016 4:03

Instrument :
BNA_F
ClientSampleId :
PB92811BS

Tgt Ion: 70 Resp: 1266388

Ion	Ratio	Lower	Upper
70	100		
42	50.8	46.3	69.5
101	9.3	7.0	10.6
130	20.9	14.4	21.6

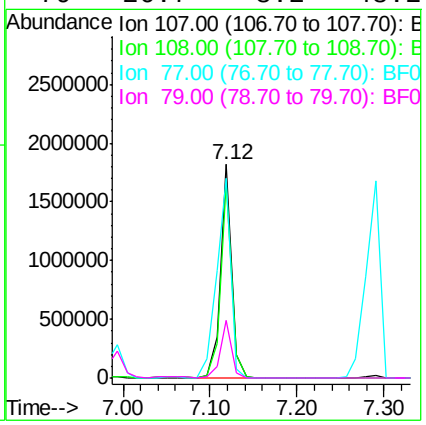


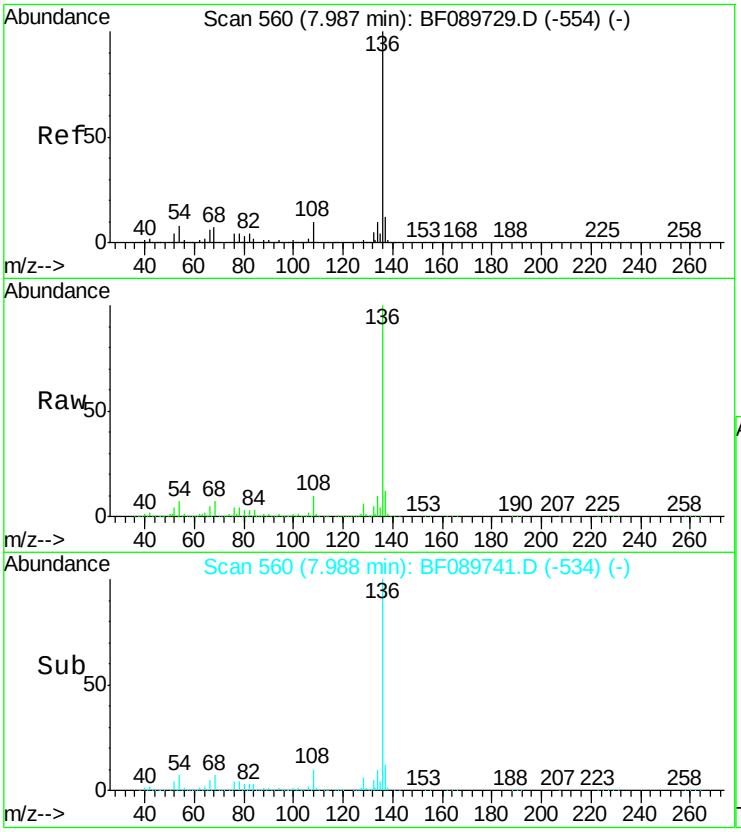


#20
3+4-Methylphenols
Concen: 30.74 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.00 min
Lab File: BF089741.D
Acq: 17 Aug 2016 4:03

Tgt Ion:107 Resp: 1643265

Ion	Ratio	Lower	Upper
107	100		
108	91.2	68.2	108.2
77	93.5	122.3	162.3#
79	26.7	8.2	48.2



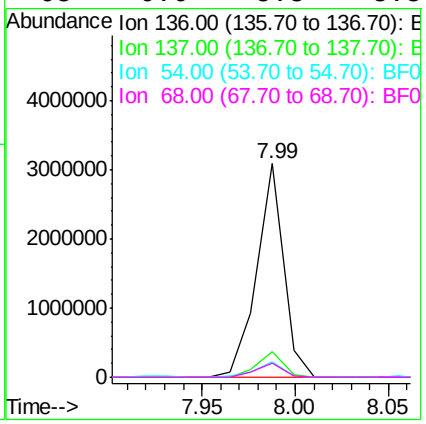


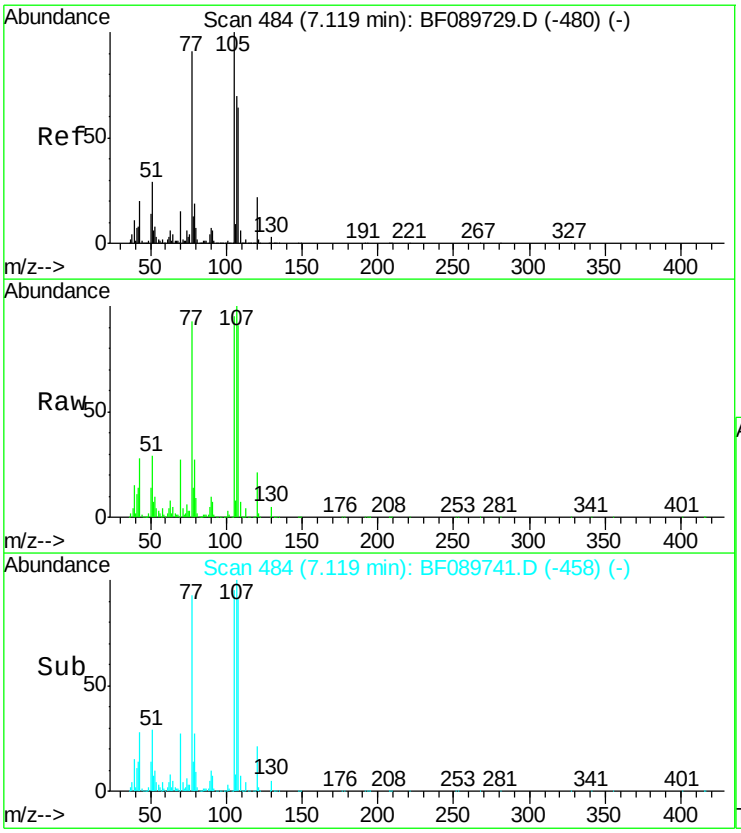
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF089741.D
Acq: 17 Aug 2016 4:03

Instrument :
BNA_F
ClientSampleId :
PB92811BS

Tgt Ion:136 Resp: 3081241

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.2	13.8
54	7.3	7.2	10.8
68	6.6	5.8	8.8





#22
Acetophenone
Concen: 29.28 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.00 min
Lab File: BF089741.D
Acq: 17 Aug 2016 4:03

Tgt Ion:105 Resp: 2097404

Ion	Ratio	Lower	Upper
105	100		
71	4.5	1.9	2.9#
51	30.7	28.5	42.7
120	21.6	16.6	25.0