Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086931.D
Acq On : 12 May 2016 15:32
Operator : UM/SJ
Sample : PB90495BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PB90495BS

Quant Time: May 13 00:47:38 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 09 16:04:56 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng		-6.69
21) Naphthalene-d8	7.91	136	650429	20.00	ng		-0.08
38) Acenaphthene-d10	9.66	164	316096	20.00	ng		-0.08
63) Phenanthrene-d10	11.14	188	625831	20.00	ng		-0.07
75) Chrysene-d12	13.76	240	401033	20.00	ng		-0.08
86) Perylene-d12	15.12	264	328302	20.00	ng		-0.09
System Monitoring Compounds							
5) 2-Fluorophenol	5.23	112	1003240	0.00	ng		-0.05
7) Phenol-d6	6.30	99	1242323	0.00	ng		-0.07
23) Nitrobenzene-d5	7.20	82	879267	67.88	ng		-0.07
41) 2,4,6-Tribromophenol	10.46	330	360880	107.84	ng		-0.07
44) 2-Fluorobiphenyl	8.99	172	1467948	78.05	ng		-0.07
78) Terphenyl-d14	12.72	244	1195323	63.24	ng		-0.08
Target Compounds							Qvalue
22) Acetophenone	7.04	105	537775	35.00	ng	#	94
24) Nitrobenzene	7.22	77	422756	31.73	ng	#	87
25) Isophorone	7.46	82	783045	32.58	ng		96
26) 2-Nitrophenol	7.53	139	183219	31.28	ng	#	66
27) 2,4-Dimethylphenol	7.59	122	323136	32.39	ng		87
28) bis(2-Chloroethoxy)methane	7.68	93	493716	38.08	ng		98
29) 2,4-Dichlorophenol	7.78	162	303668	34.58	ng		94
30) 1,2,4-Trichlorobenzene	7.85	180	321711	32.76	ng		94
31) Naphthalene	7.93	128	1056250	32.42	ng		99
32) Benzoic acid	7.74	122	157484	26.87	ng	#	81
33) 4-Chloroaniline	8.00	127	87173	6.89	ng		96
34) Hexachlorobutadiene	8.06	225	187731	32.95	ng		99
35) Caprolactam	8.36	113	67533	22.60	ng	#	44
36) 4-Chloro-3-methylphenol	8.50	107	367884	34.54	ng		94
37) 2-Methylnaphthalene	8.63	142	752913	39.53	ng		99
39) 1,2,4,5-Tetrachlorobenzene	8.79	216	289552	31.51	ng	#	98
40) Hexachlorocyclopentadiene	8.78	237	291499	66.82	ng		95
42) 2,4,6-Trichlorophenol	8.91	196	203913	33.18	ng		92
43) 2,4,5-Trichlorophenol	8.96	196	203884	32.08	ng	#	81
45) 1,1'-Biphenyl	9.08	154	827364	32.91	ng		96
46) 2-Chloronaphthalene	9.11	162	625617	31.76	ng		93
47) 2-Nitroaniline	9.22	65	267291	37.13	ng		86
48) Acenaphthylene	9.52	152	981614	33.88	ng		99
49) Dimethylphthalate	9.40	163	833520	34.56	ng		99
50) 2,6-Dinitrotoluene	9.46	165	173358	34.16	ng	#	84
51) Acenaphthene	9.69	154	597190	33.13	ng		99
52) 3-Nitroaniline	9.63	138	57675	10.79	ng		93
53) 2,4-Dinitrophenol	9.75	184	151808	60.60	ng	#	80
54) Dibenzofuran	9.86	168	865532	37.41	ng		92
55) 4-Nitrophenol	9.83	139	227197	64.70	ng	#	73
56) 2,4-Dinitrotoluene	9.86	165	208242	33.16	ng	#	57
57) Fluorene	10.20	166	649291	32.91	ng		98
58) 2,3,4,6-Tetrachlorophenol	10.00	232	177747	37.15	ng		97
59) Diethylphthalate	10.10	149	800718	34.07	ng		96

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086931.D
Acq On : 12 May 2016 15:32
Operator : UM/SJ
Sample : PB90495BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PB90495BS

Quant Time: May 13 00:47:38 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 09 16:04:56 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
60) 4-Chlorophenyl-phenylether	10.20	204	338261	37.86	ng		89
61) 4-Nitroaniline	10.25	138	182802	35.62	ng	#	80
62) Azobenzene	10.36	77	976434	38.51	ng		88
64) 4,6-Dinitro-2-methylphenol	10.27	198	118355	30.44	ng	#	67
65) n-Nitrosodiphenylamine	10.33	169	662445	34.46	ng		98
66) 4-Bromophenyl-phenylether	10.68	248	201650	31.78	ng		88
67) Hexachlorobenzene	10.75	284	246989	33.31	ng		95
68) Atrazine	10.86	200	193228	30.08	ng		94
69) Pentachlorophenol	10.96	266	223645	65.26	ng		97
70) Phenanthrene	11.16	178	1120524	33.55	ng		99
71) Anthracene	11.21	178	997500	29.20	ng		99
72) Carbazole	11.37	167	962026	32.76	ng		98
73) Di-n-butylphthalate	11.71	149	1231025	34.33	ng		99
74) Fluoranthene	12.34	202	1114874	32.46	ng		95
76) Benzidine	12.48	184	229150	22.41	ng		95
77) Pyrene	12.57	202	1157439	37.70	ng		99
79) Butylbenzylphthalate	13.20	149	479278	36.91	ng	#	76
80) Benzo(a)anthracene	13.75	228	827511	36.76	ng		98
81) 3,3'-Dichlorobenzidine	13.73	252	133051	9.30	ng	#	96
82) Chrysene	13.79	228	888190	38.78	ng		98
83) Bis(2-ethylhexyl)phthalate	13.76	149	540595	34.61	ng	#	98
84) Di-n-octyl phthalate	14.37	149	887334	34.29	ng	#	85
85) Indeno(1,2,3-cd)pyrene	16.38	276	666857	35.00	ng		95
87) Benzo(b)fluoranthene	14.75	252	1330525	62.36	ng	#	96
88) Benzo(k)fluoranthene	14.75	252	1331230	76.20	ng		99
89) Benzo(a)pyrene	15.07	252	652011	35.43	ng	#	97
90) Dibenzo(a,h)anthracene	16.38	278	557563	35.95	ng		97
91) Benzo(g,h,i)perylene	16.74	276	568505	36.07	ng		95

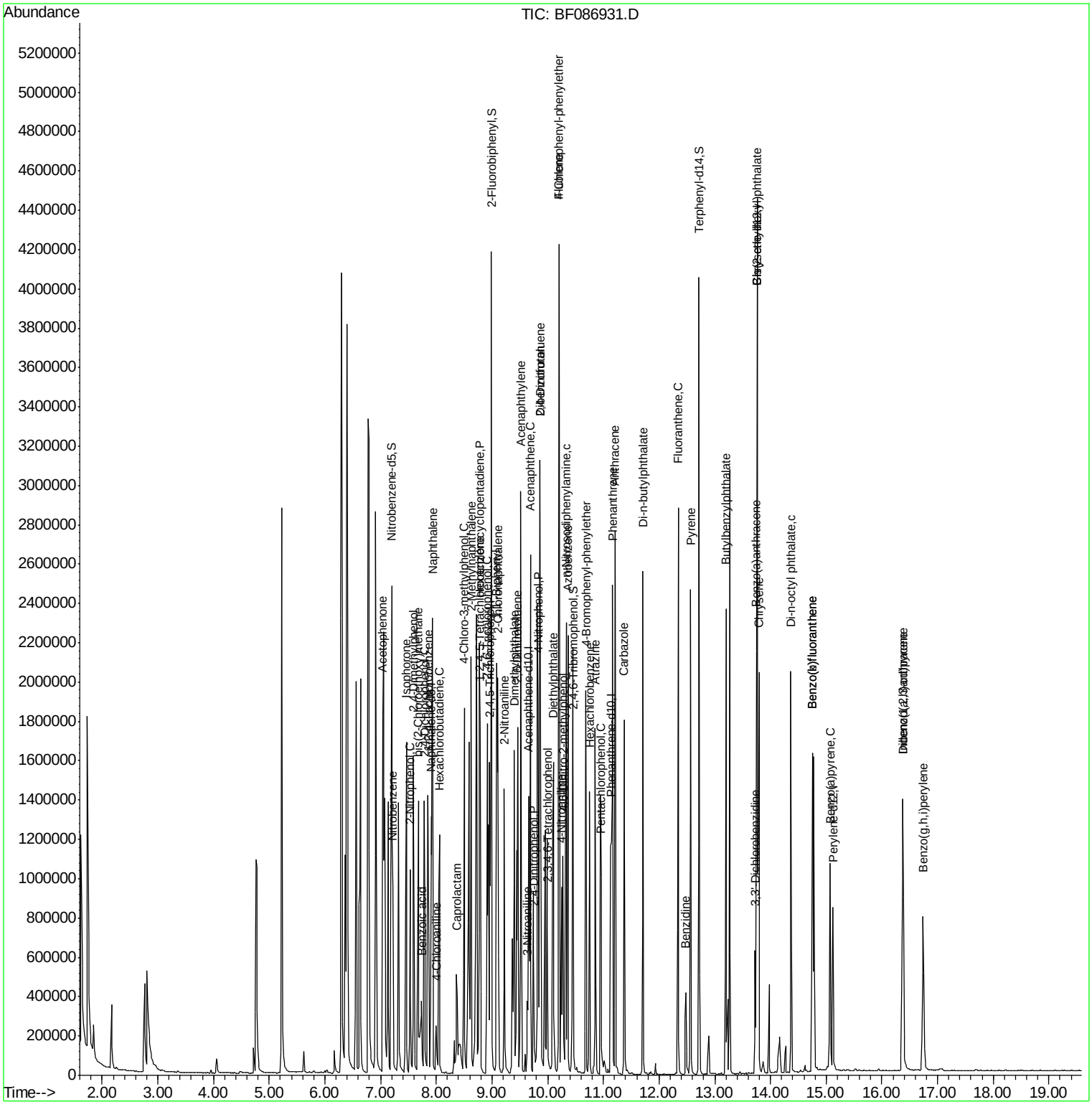
(#) = qualifier out of range (m) = manual integration (+) = signals summed

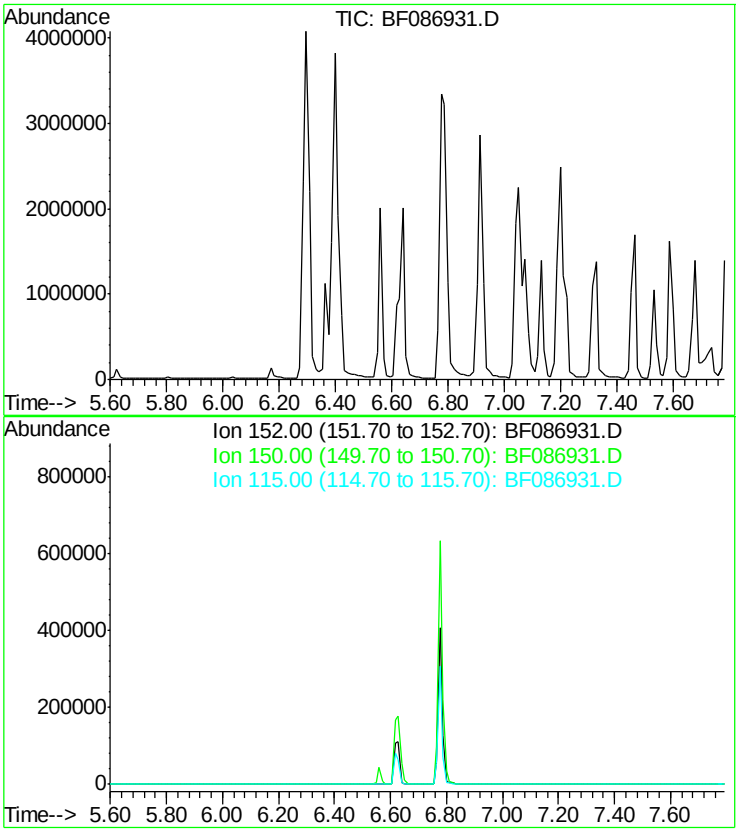
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086931.D
Acq On : 12 May 2016 15:32
Operator : UM/SJ
Sample : PB90495BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB90495BS

Quant Time: May 13 00:47:38 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 09 16:04:56 2016
Response via : Initial Calibration





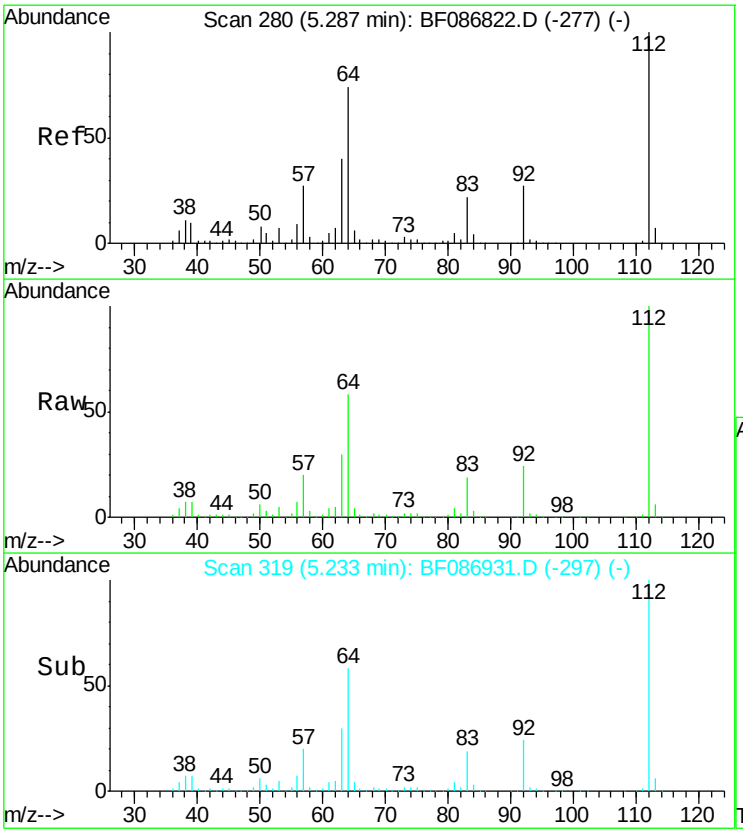
#1
1,4-Dichlorobenzene-d4
Concen: 0.00 ng
Expected RT: 6.69 min

Lab File: BF086931.D
Acq: 12 May 2016 15:32

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	157.2
115	64.4

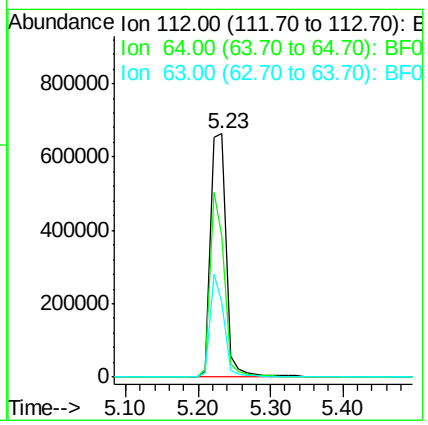
Instrument :
BNA_F
ClientSampleId :
PB90495BS

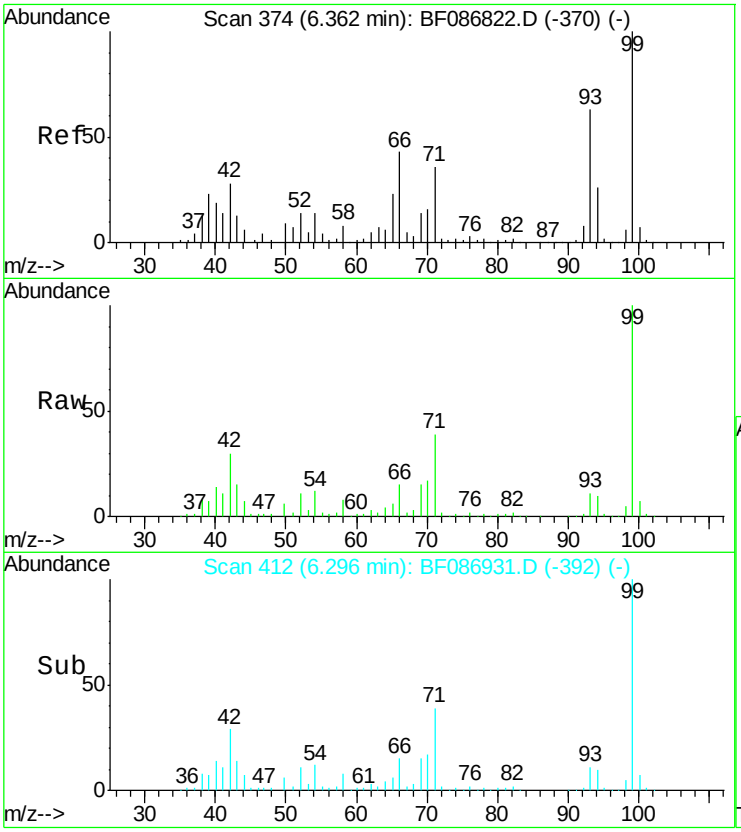


#5
2-Fluorophenol
Concen: 0.00 ng
RT: 5.23 min Scan# 319
Delta R.T. -0.05 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Tgt Ion:112 Resp: 1003240

Ion	Ratio	Lower	Upper
112	100		
64	58.1	52.1	78.1
63	30.5	25.7	38.5



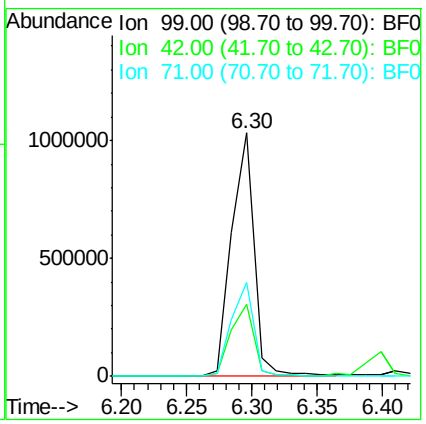


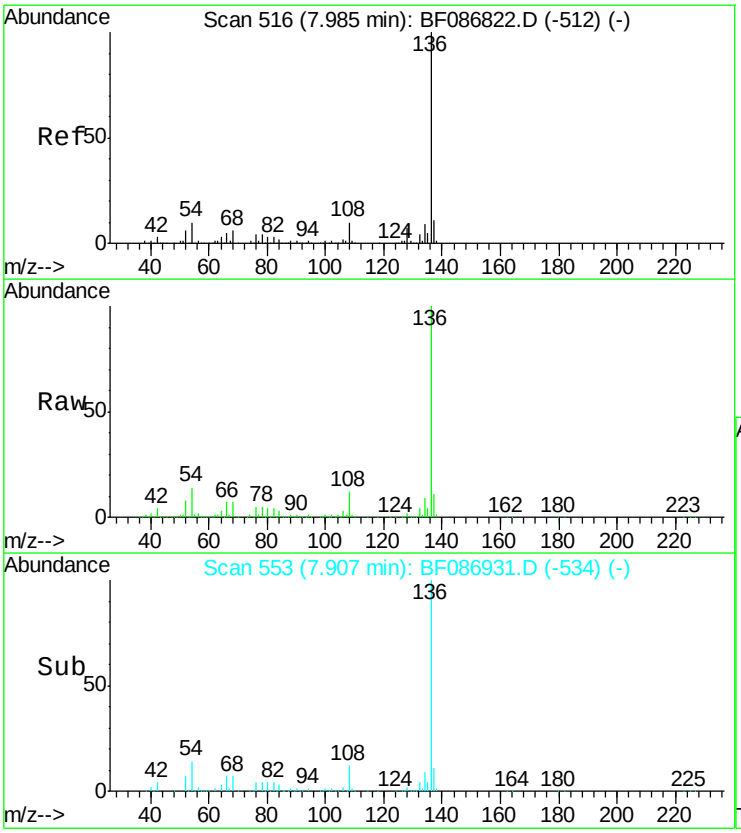
#7
Phenol-d6
Concen: 0.00 ng
RT: 6.30 min Scan# 412
Delta R.T. -0.07 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Instrument :
BNA_F
ClientSampleId :
PB90495BS

Tgt Ion: 99 Resp: 1242323

Ion	Ratio	Lower	Upper
99	100		
42	29.5	13.6	20.4#
71	38.6	24.6	36.8#

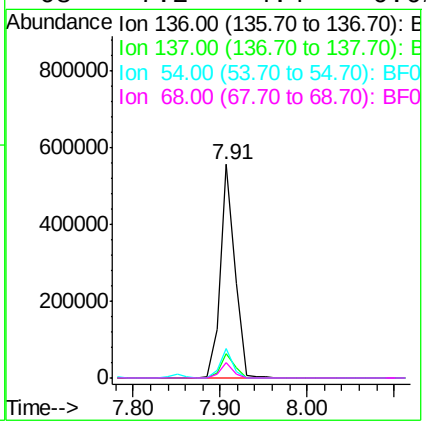


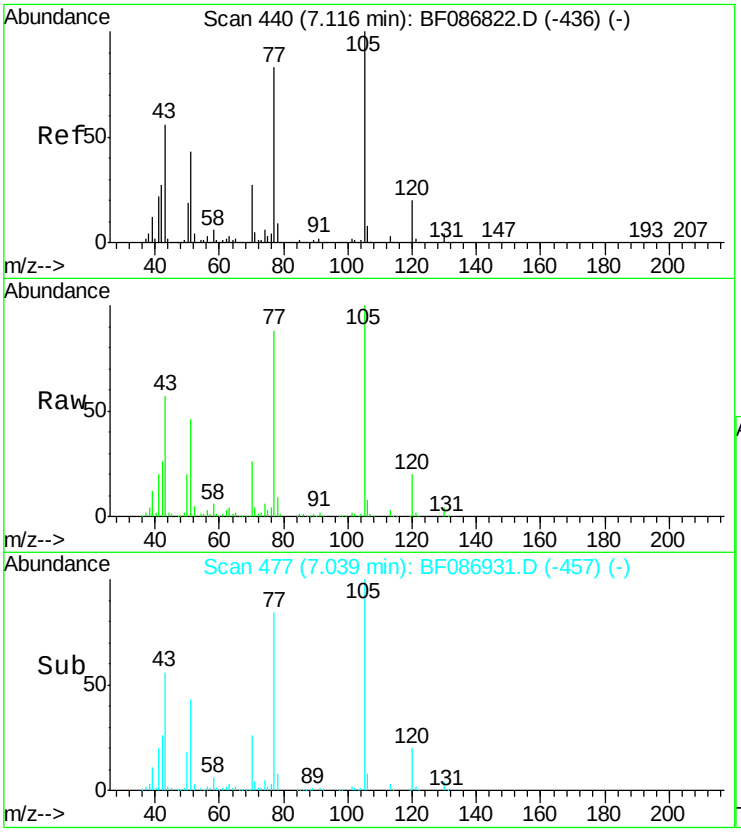


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.08 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Tgt Ion:136 Resp: 650429

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	13.8	5.0	7.4#
68	7.2	4.4	6.6#



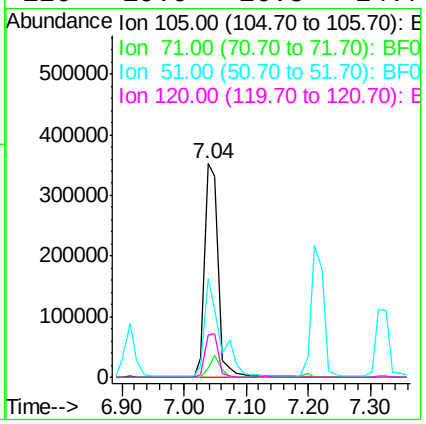


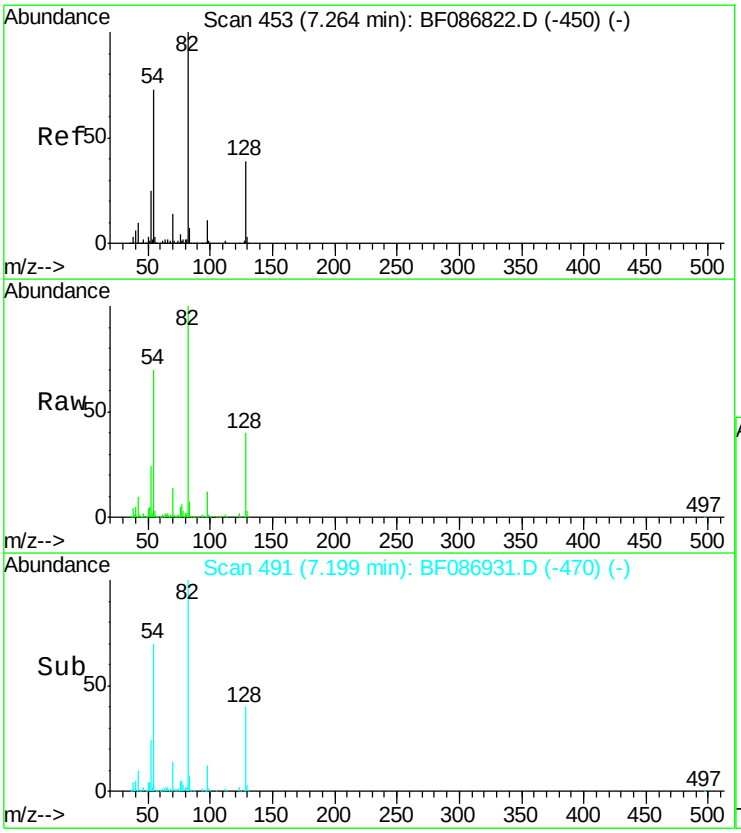
#22
Acetophenone
Concen: 35.00 ng
RT: 7.04 min Scan# 477
Delta R.T. -0.08 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Instrument :
BNA_F
ClientSampleId :
PB90495BS

Tgt Ion:105 Resp: 537775

Ion	Ratio	Lower	Upper
105	100		
71	4.5	4.8	7.2#
51	45.9	32.6	49.0
120	19.9	16.5	24.7

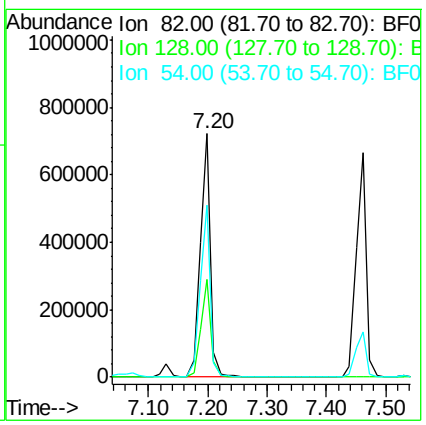


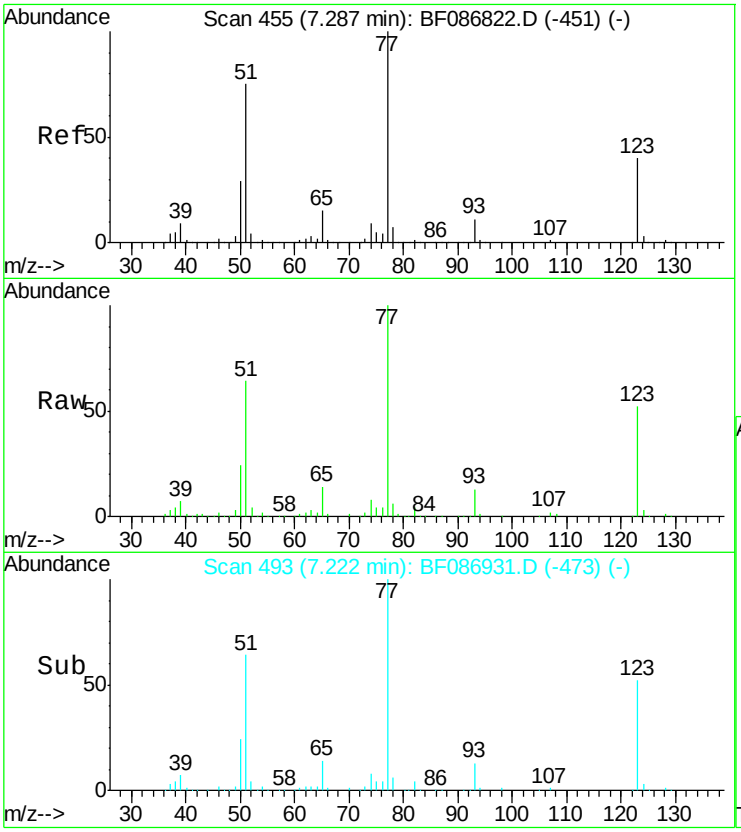


#23
Nitrobenzene-d5
Concen: 67.88 ng
RT: 7.20 min Scan# 491
Delta R.T. -0.07 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Tgt Ion: 82 Resp: 879267

Ion	Ratio	Lower	Upper
82	100		
128	40.2	40.6	61.0#
54	70.4	38.1	57.1#



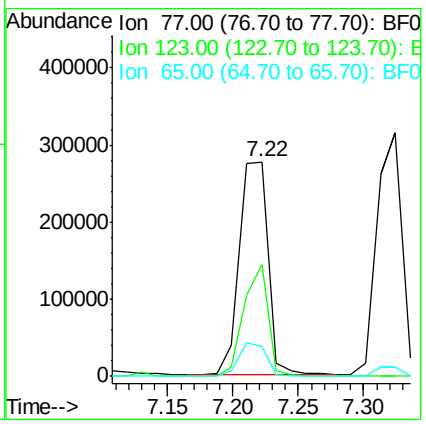


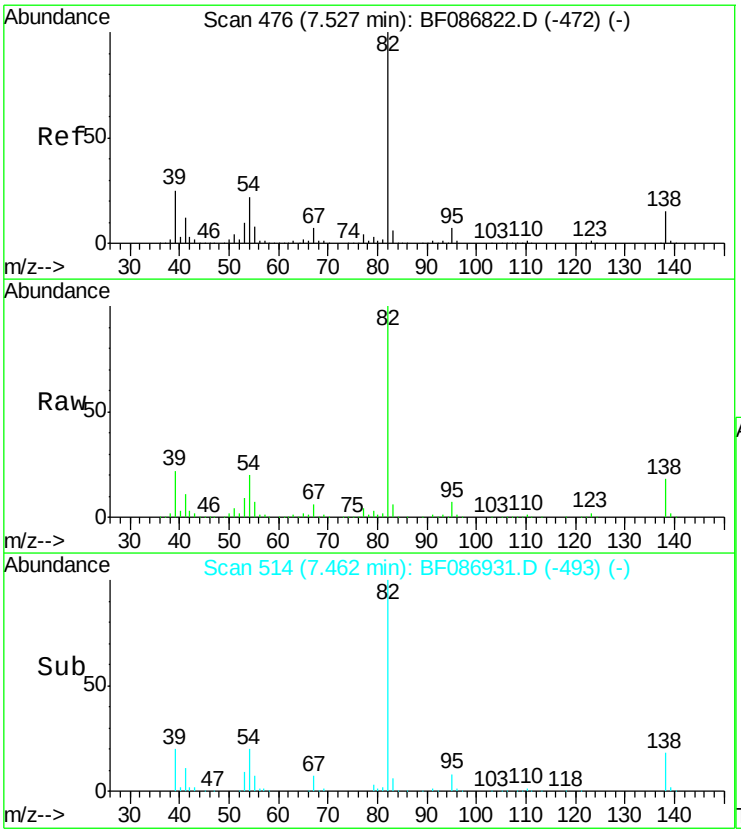
#24
Nitrobenzene
Concen: 31.73 ng
RT: 7.22 min Scan# 493
Delta R.T. -0.07 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Instrument :
BNA_F
ClientSampleId :
PB90495BS

Tgt Ion: 77 Resp: 422756

Ion	Ratio	Lower	Upper
77	100		
123	52.1	33.0	49.4#
65	13.9	10.8	16.2

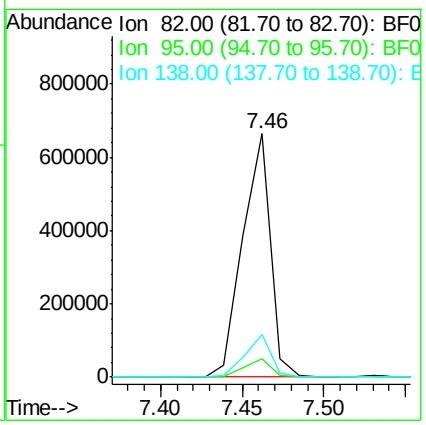


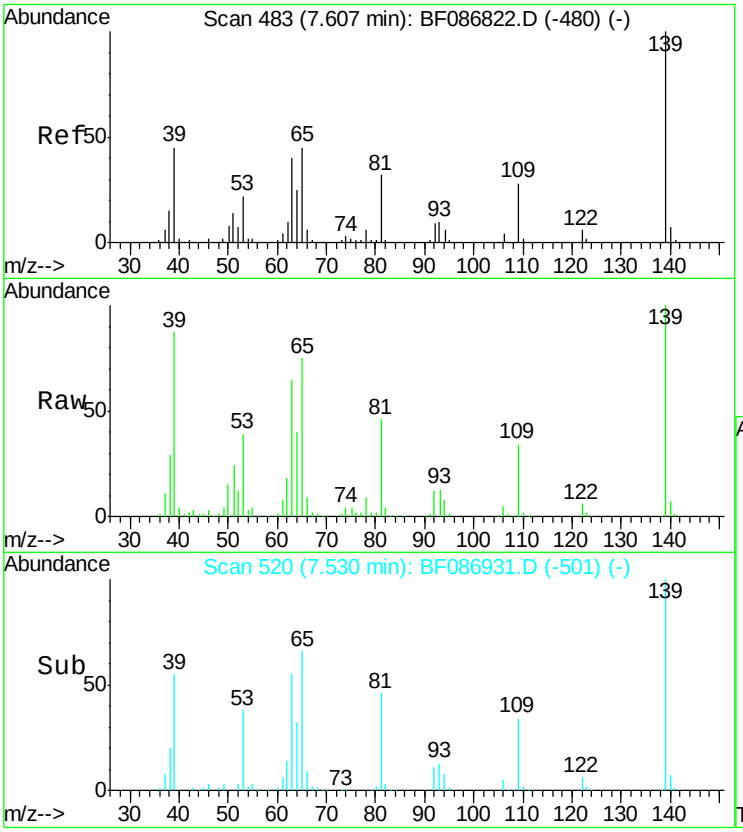


#25
Isophorone
Concen: 32.58 ng
RT: 7.46 min Scan# 514
Delta R.T. -0.07 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Tgt Ion: 82 Resp: 783045

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.1	7.7
138	17.5	12.4	18.6



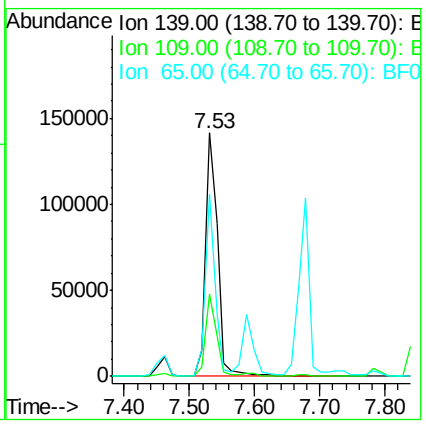


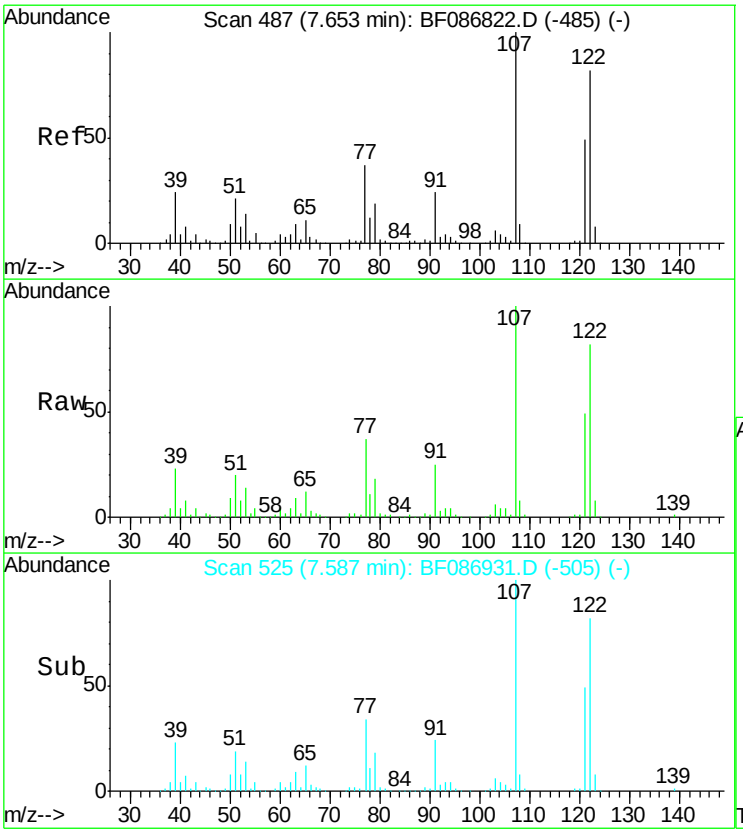
#26
2-Nitrophenol
Concen: 31.28 ng
RT: 7.53 min Scan# 520
Delta R.T. -0.08 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Instrument :
BNA_F
ClientSampleId :
PB90495BS

Tgt Ion:139 Resp: 183219

Ion	Ratio	Lower	Upper
139	100		
109	33.8	19.5	29.3#
65	74.6	37.5	56.3#

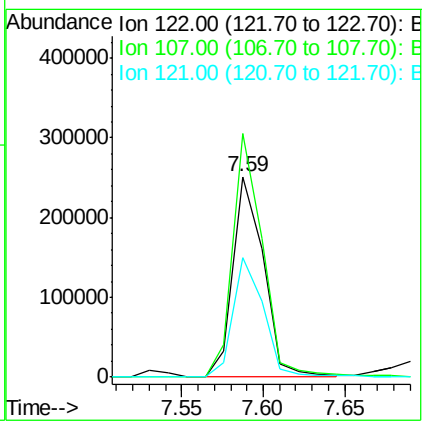


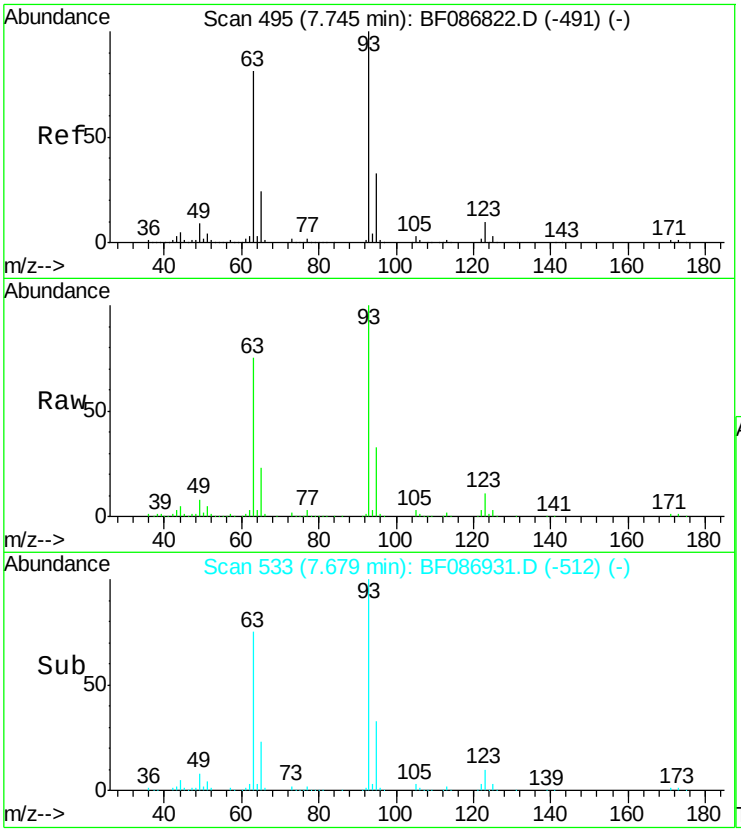


#27
2,4-Dimethylphenol
Concen: 32.39 ng
RT: 7.59 min Scan# 525
Delta R.T. -0.07 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Tgt Ion:122 Resp: 323136

Ion	Ratio	Lower	Upper
122	100		
107	121.5	82.0	123.0
121	59.9	46.1	69.1



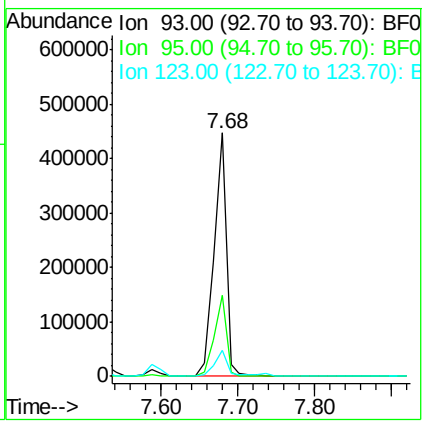


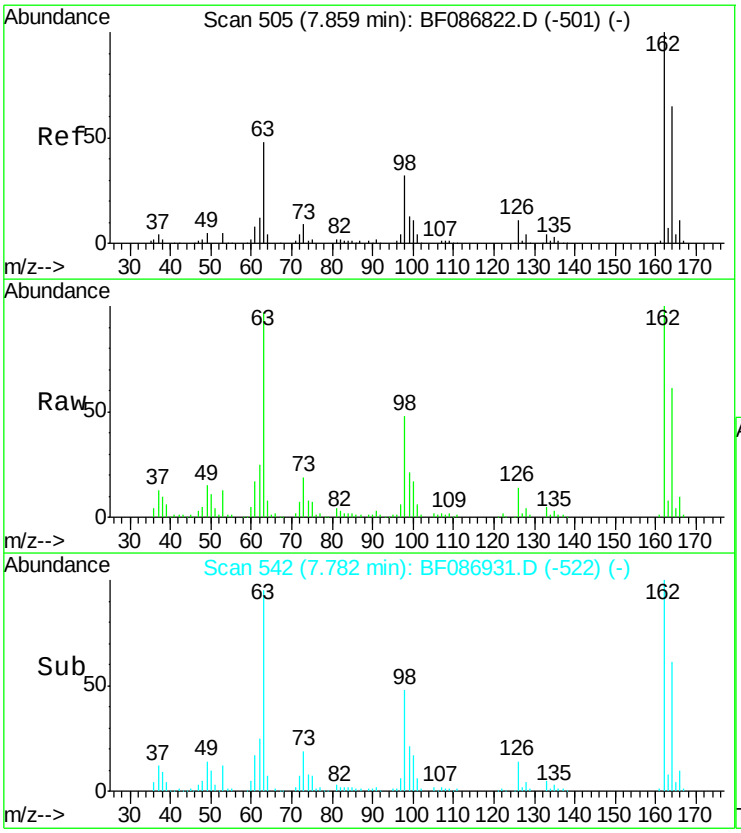
#28
bis(2-Chloroethoxy)methane
Concen: 38.08 ng
RT: 7.68 min Scan# 533
Delta R.T. -0.07 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Instrument :
BNA_F
ClientSampleId :
PB90495BS

Tgt Ion: 93 Resp: 493716

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.0	39.0
123	10.6	9.5	14.3

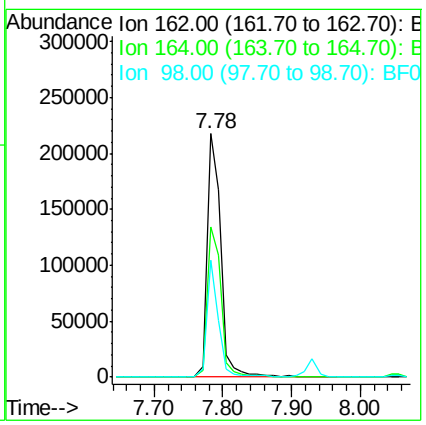


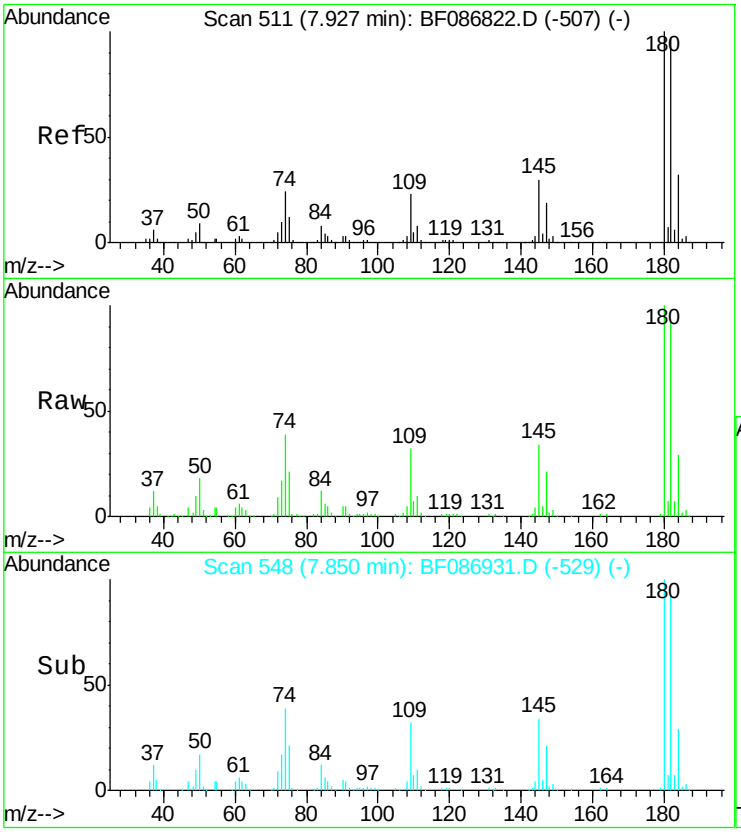


#29
2,4-Dichlorophenol
Concen: 34.58 ng
RT: 7.78 min Scan# 542
Delta R.T. -0.08 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Tgt Ion:162 Resp: 303668

Ion	Ratio	Lower	Upper
162	100		
164	61.5	42.2	82.2
98	48.2	19.0	59.0



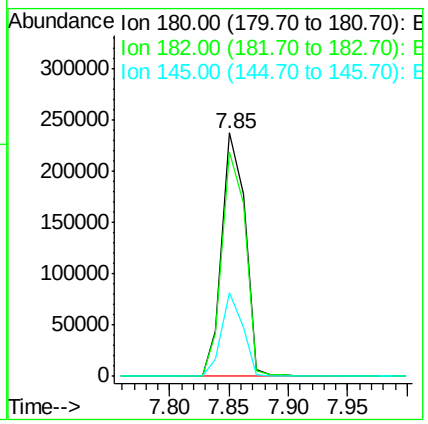


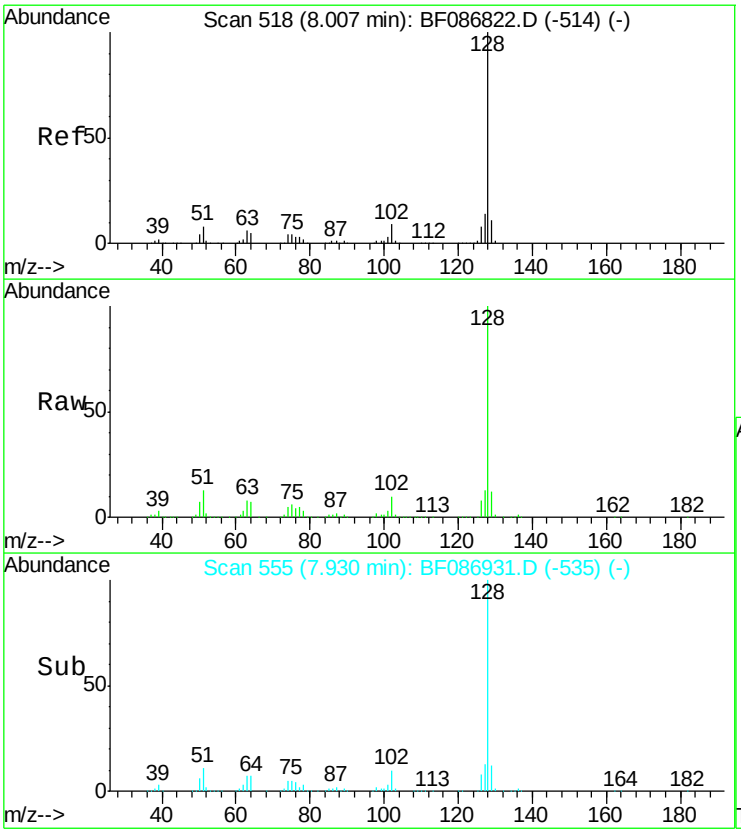
#30
1,2,4-Trichlorobenzene
Concen: 32.76 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.08 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Instrument :
BNA_F
ClientSampleId :
PB90495BS

Tgt Ion:180 Resp: 321711

Ion	Ratio	Lower	Upper
180	100		
182	92.2	78.0	117.0
145	34.3	24.2	36.2

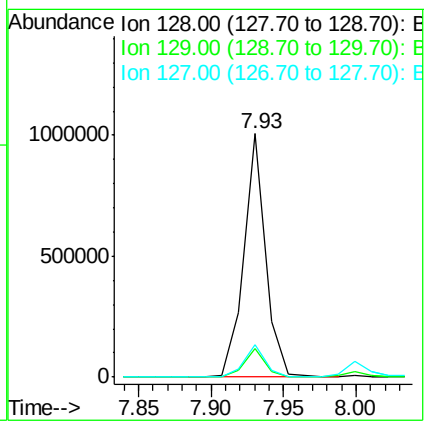


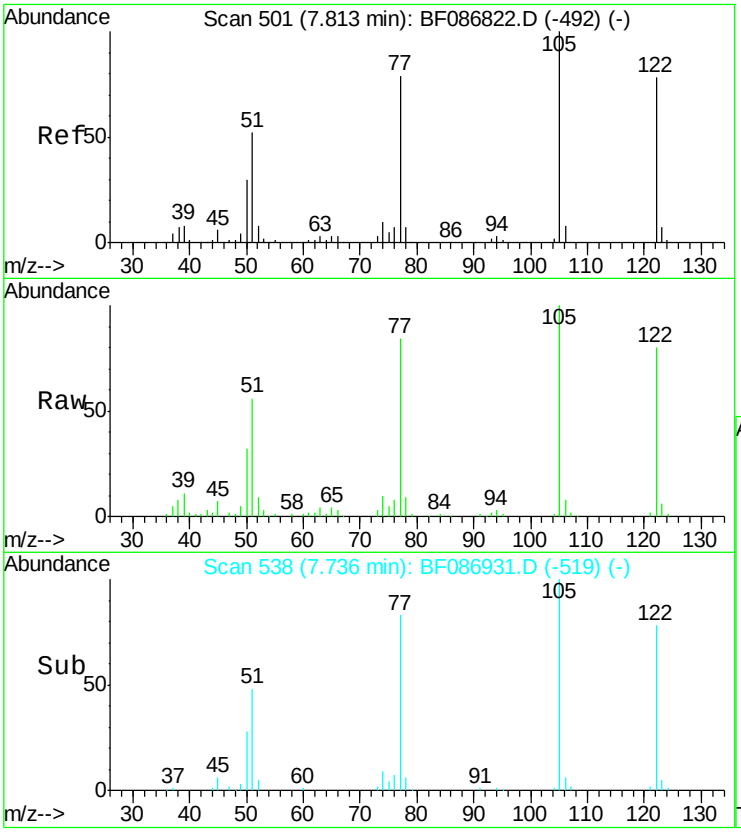


#31
Naphthalene
Concen: 32.42 ng
RT: 7.93 min Scan# 555
Delta R.T. -0.08 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Tgt Ion:128 Resp: 1056250

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.6	13.0
127	13.3	10.8	16.2



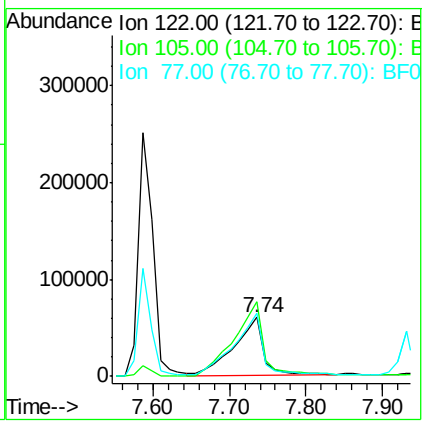


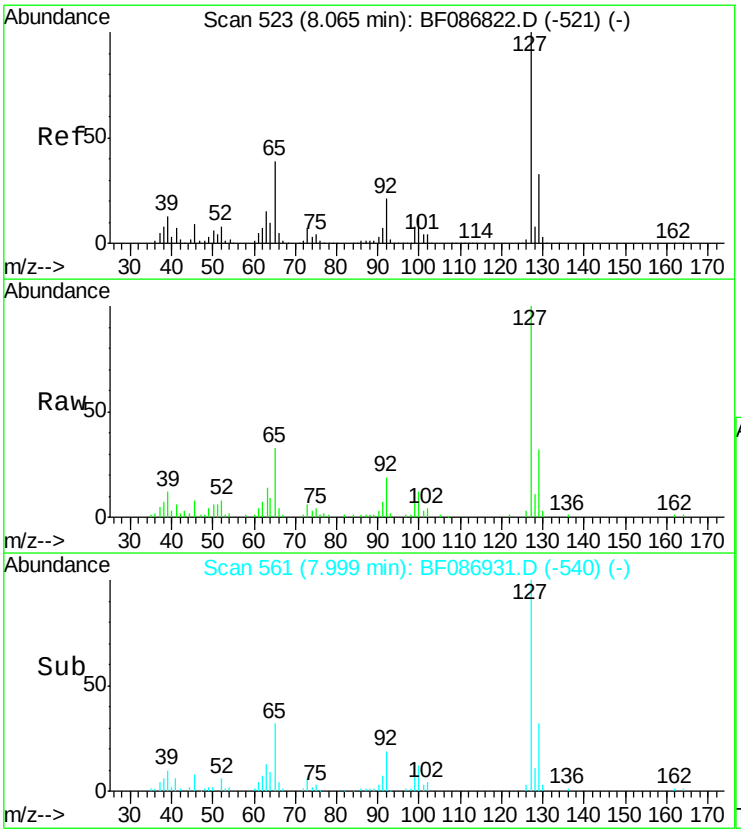
#32
Benzoic acid
Concen: 26.87 ng
RT: 7.74 min Scan# 538
Delta R.T. -0.08 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Instrument :
BNA_F
ClientSampleId :
PB90495BS

Tgt Ion:122 Resp: 157484

Ion	Ratio	Lower	Upper
122	100		
105	125.7	92.6	132.6
77	106.0	60.0	100.0#

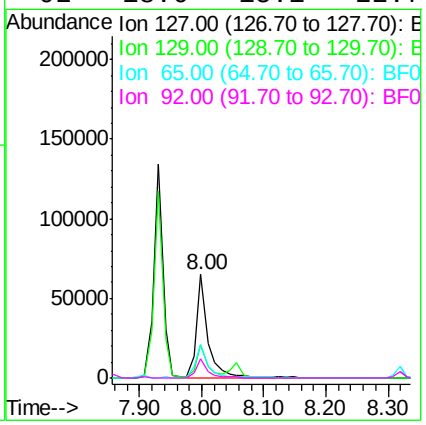


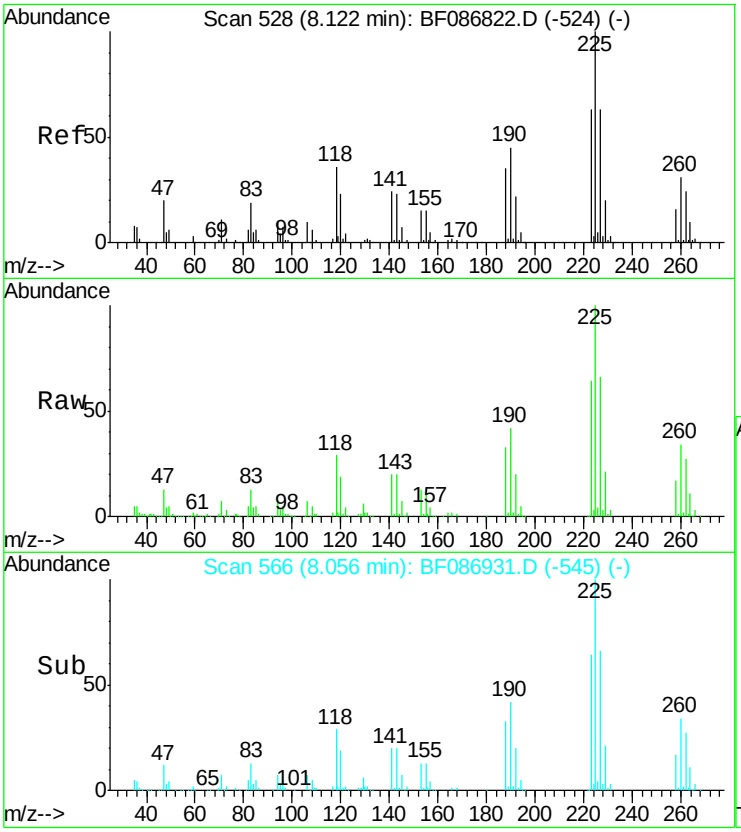


#33
4-Chloroaniline
Concen: 6.89 ng
RT: 8.00 min Scan# 561
Delta R.T. -0.07 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Tgt Ion:127 Resp: 87173

Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.2	39.4
65	32.8	23.0	34.4
92	18.6	15.1	22.7



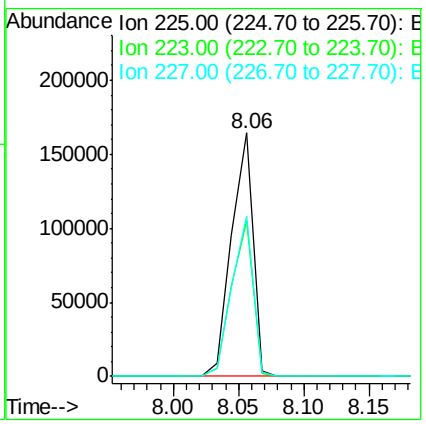


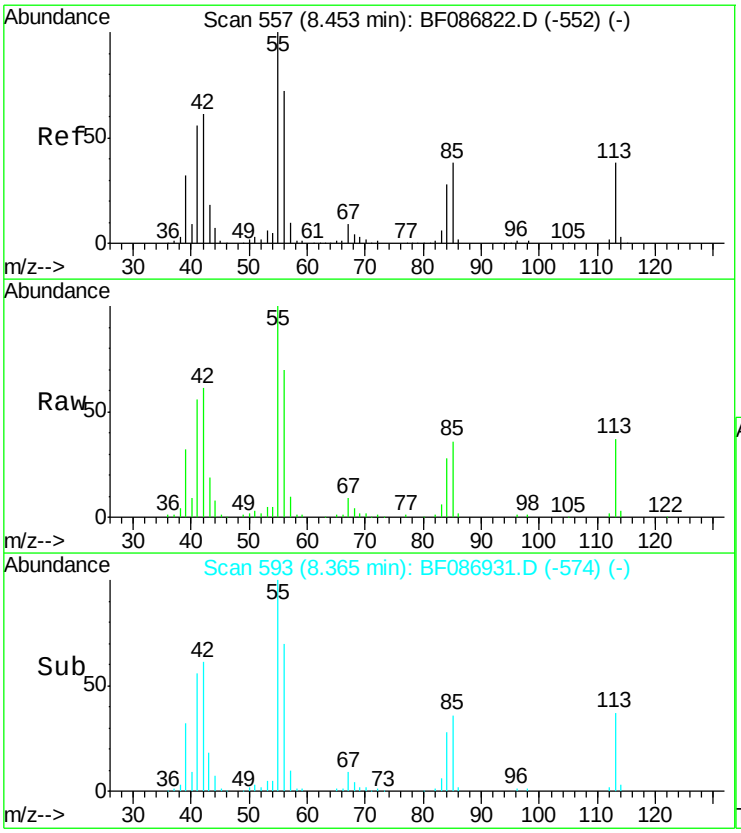
#34
Hexachlorobutadiene
Concen: 32.95 ng
RT: 8.06 min Scan# 566
Delta R.T. -0.07 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Instrument :
BNA_F
ClientSampleId :
PB90495BS

Tgt Ion:225 Resp: 187731

Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.5	77.3
227	66.1	52.2	78.2

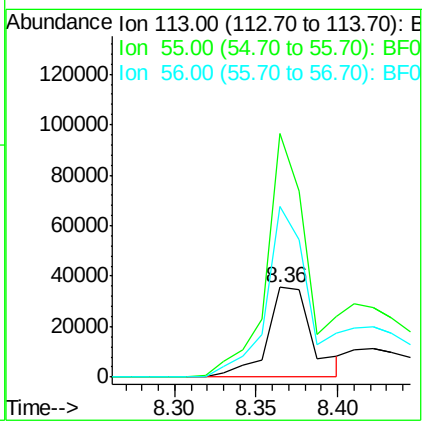


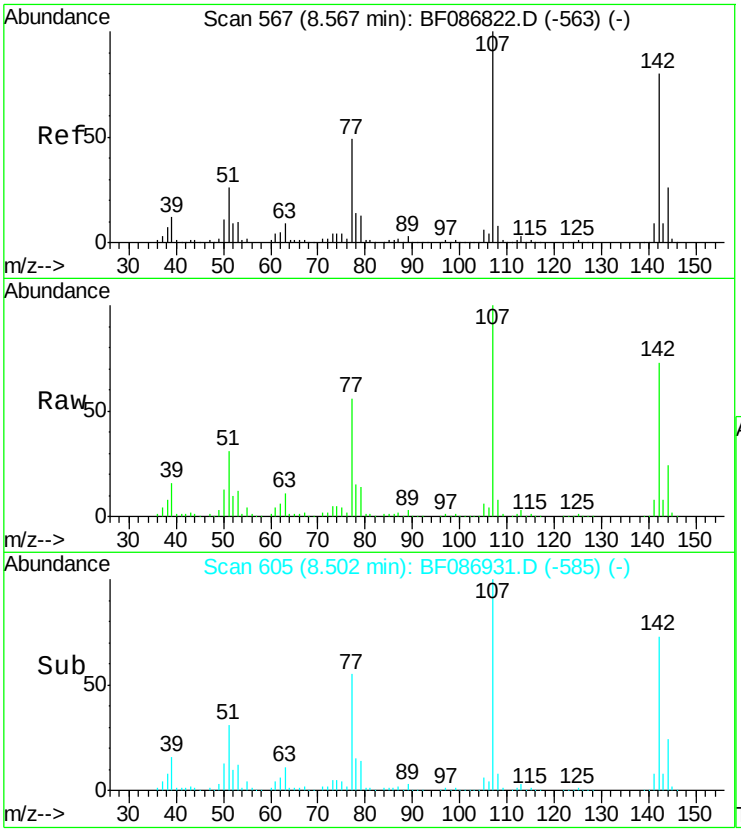


#35
Caprolactam
Concen: 22.60 ng
RT: 8.36 min Scan# 593
Delta R.T. -0.09 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Tgt Ion:113 Resp: 67533

Ion	Ratio	Lower	Upper
113	100		
55	272.2	162.0	202.0#
56	190.8	115.3	155.3#



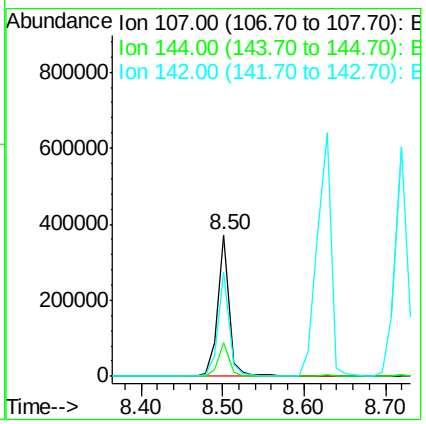


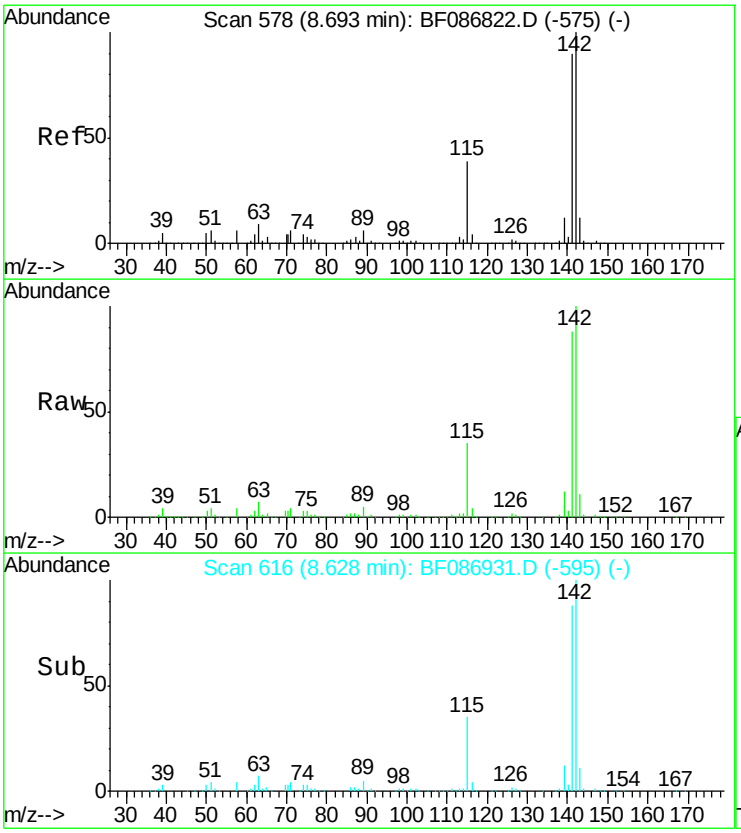
#36
4-Chloro-3-methylphenol
Concen: 34.54 ng
RT: 8.50 min Scan# 605
Delta R.T. -0.07 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Instrument :
BNA_F
ClientSampleId :
PB90495BS

Tgt Ion:107 Resp: 367884

Ion	Ratio	Lower	Upper
107	100		
144	24.0	20.7	31.1
142	73.3	63.2	94.8

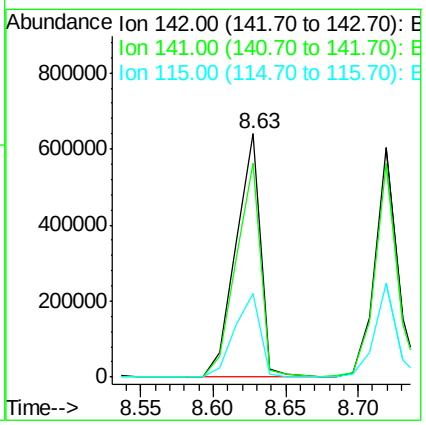


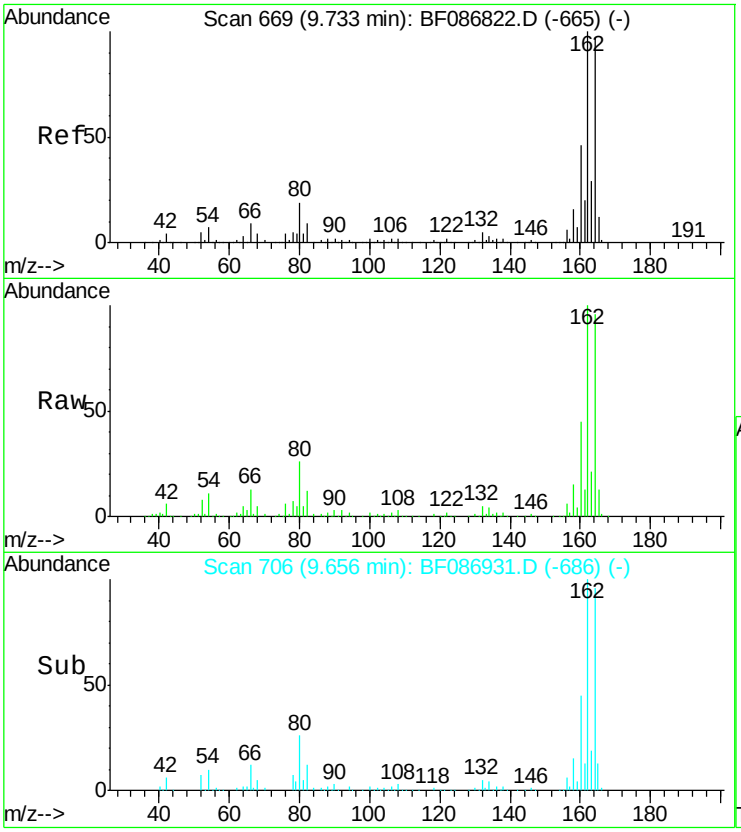


#37
2-Methylnaphthalene
Concen: 39.53 ng
RT: 8.63 min Scan# 616
Delta R.T. -0.07 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Tgt Ion:142 Resp: 752913

Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.0	106.6
115	34.5	26.6	39.8



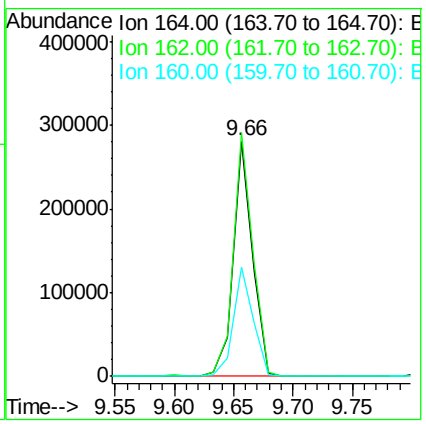


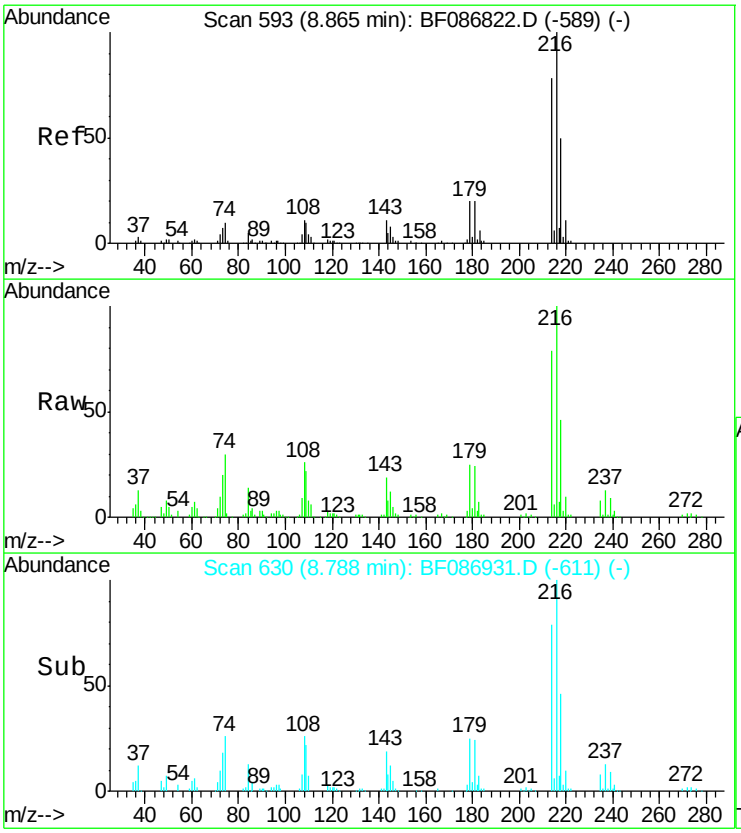
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.66 min Scan# 706
Delta R.T. -0.08 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Instrument :
BNA_F
ClientSampleId :
PB90495BS

Tgt Ion:164 Resp: 316096

Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.8	124.2
160	46.6	36.9	55.3

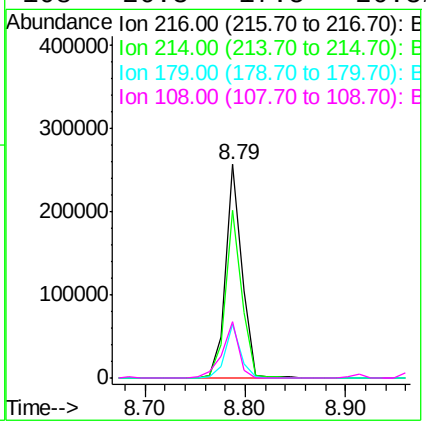


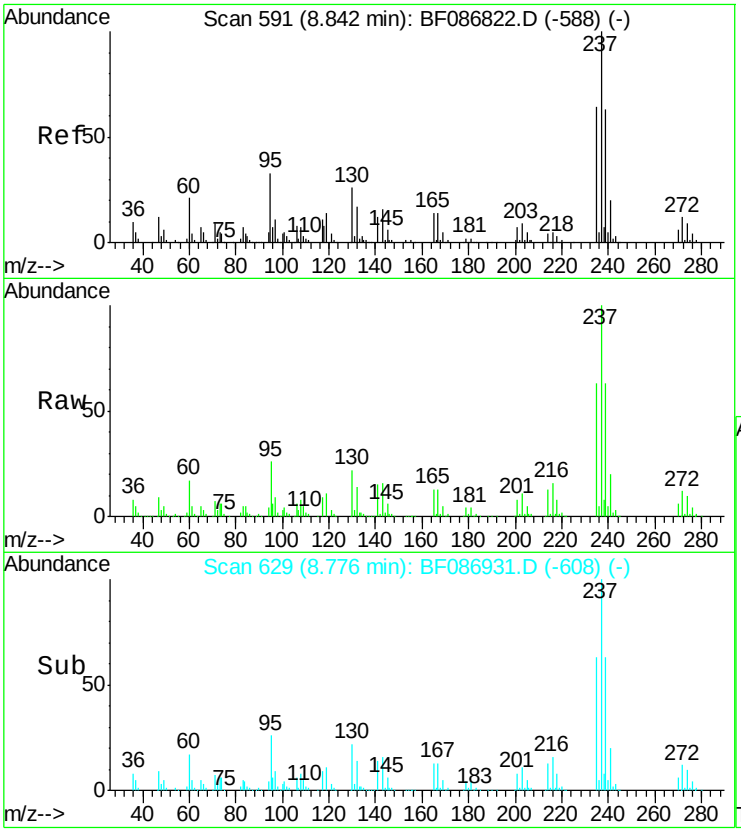


#39
1,2,4,5-Tetrachlorobenzene
Concen: 31.51 ng
RT: 8.79 min Scan# 630
Delta R.T. -0.08 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Tgt Ion:216 Resp: 289552

Ion	Ratio	Lower	Upper
216	100		
214	77.9	62.6	93.8
179	23.0	18.2	27.4
108	26.3	17.5	26.3#



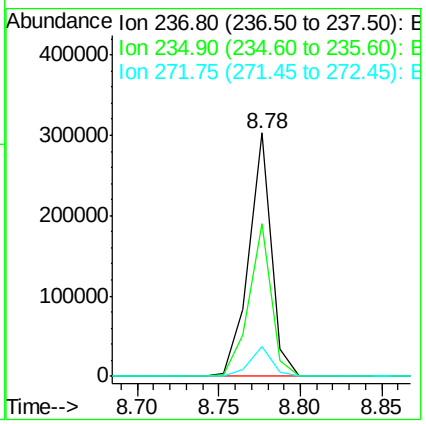


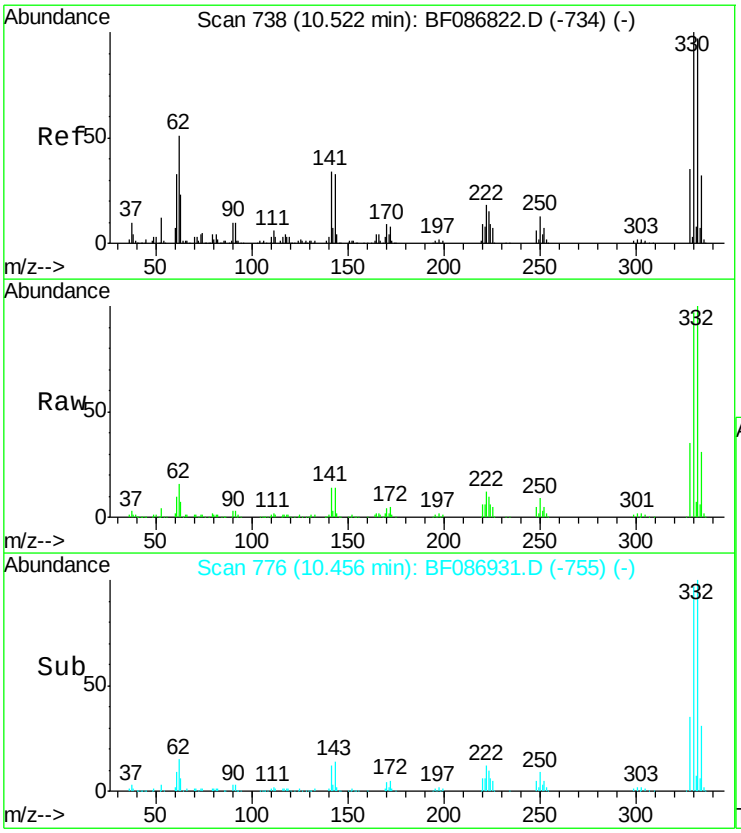
#40
Hexachlorocyclopentadiene
Concen: 66.82 ng
RT: 8.78 min Scan# 629
Delta R.T. -0.07 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Instrument :
BNA_F
ClientSampleId :
PB90495BS

Tgt Ion:237 Resp: 291499

Ion	Ratio	Lower	Upper
237	100		
235	62.6	47.2	87.2
272	12.5	0.0	31.1

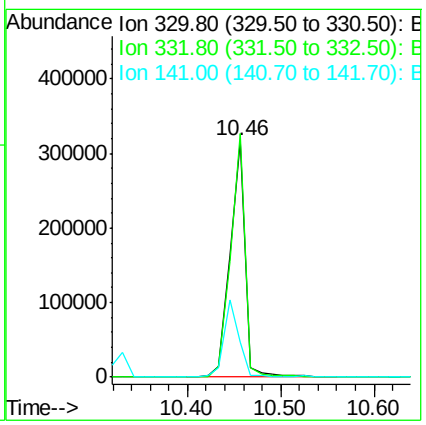


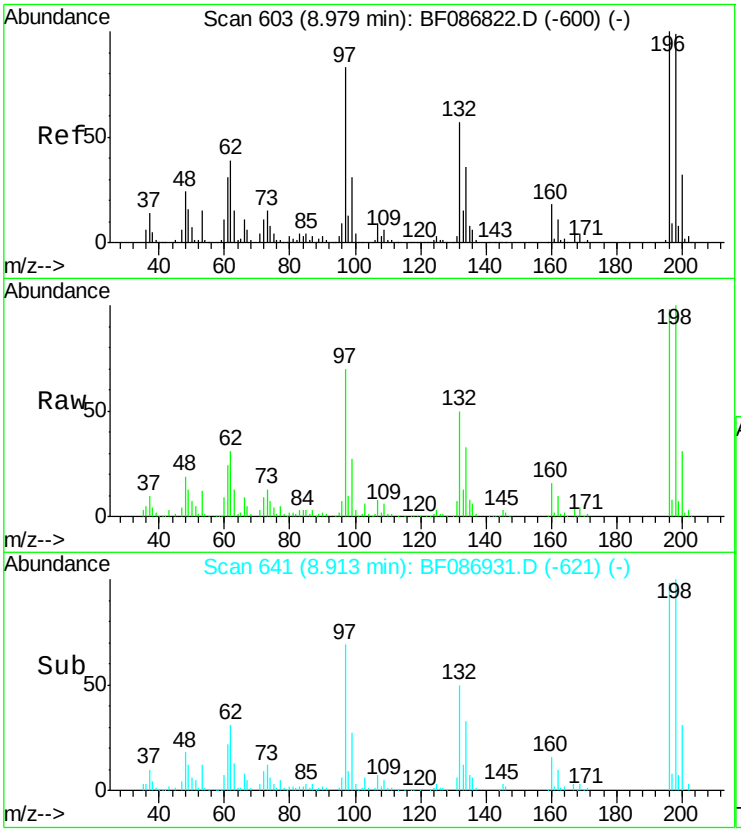


#41
2,4,6-Tribromophenol
Concen: 107.84 ng
RT: 10.46 min Scan# 776
Delta R.T. -0.07 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Tgt Ion:330 Resp: 360880

Ion	Ratio	Lower	Upper
330	100		
332	100.6	79.0	118.4
141	32.6	31.2	46.8



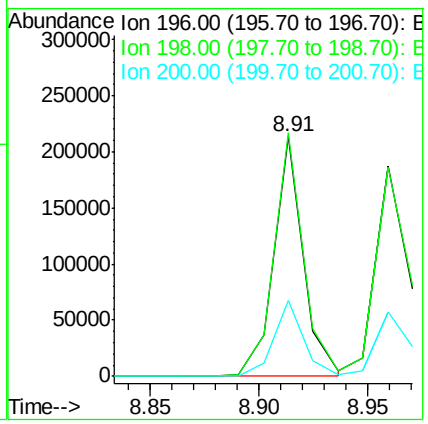


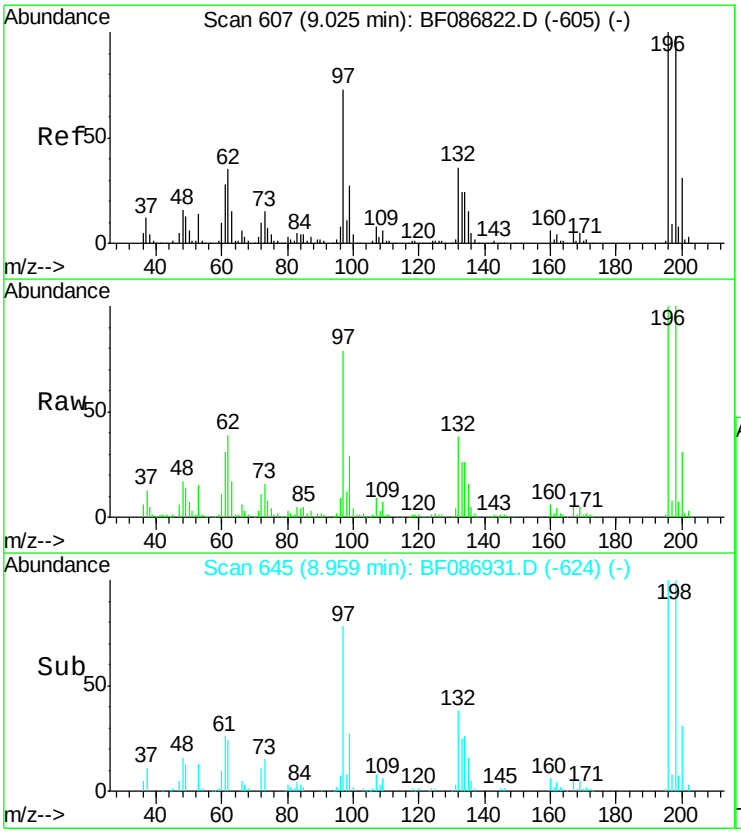
#42
2,4,6-Trichlorophenol
Concen: 33.18 ng
RT: 8.91 min Scan# 641
Delta R.T. -0.07 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Instrument :
BNA_F
ClientSampleId :
PB90495BS

Tgt Ion:196 Resp: 203913

Ion	Ratio	Lower	Upper
196	100		
198	101.8	74.7	112.1
200	31.7	23.8	35.6

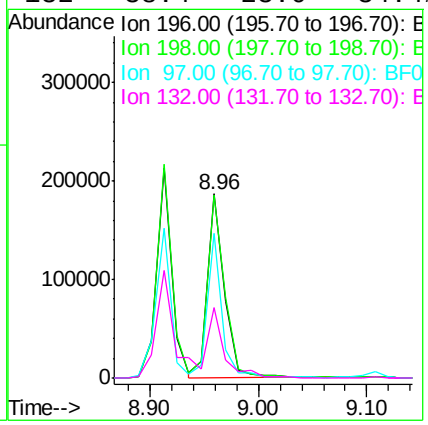


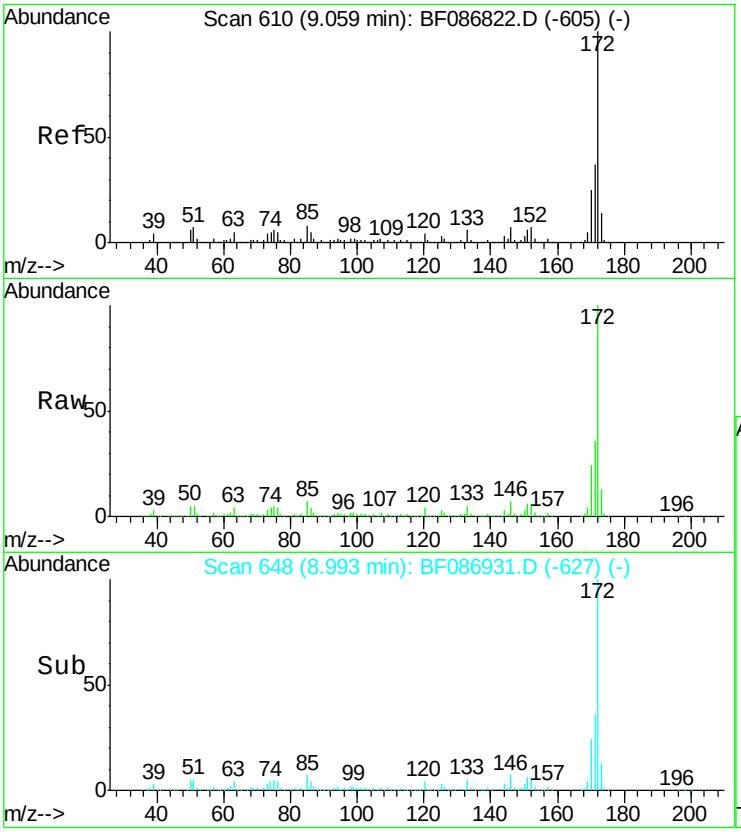


#43
2,4,5-Trichlorophenol
Concen: 32.08 ng
RT: 8.96 min Scan# 645
Delta R.T. -0.07 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Tgt Ion:196 Resp: 203884

Ion	Ratio	Lower	Upper
196	100		
198	99.7	77.5	116.3
97	78.8	34.8	52.2#
132	38.4	23.0	34.4#



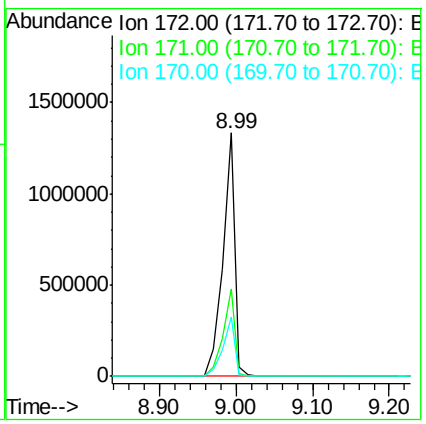


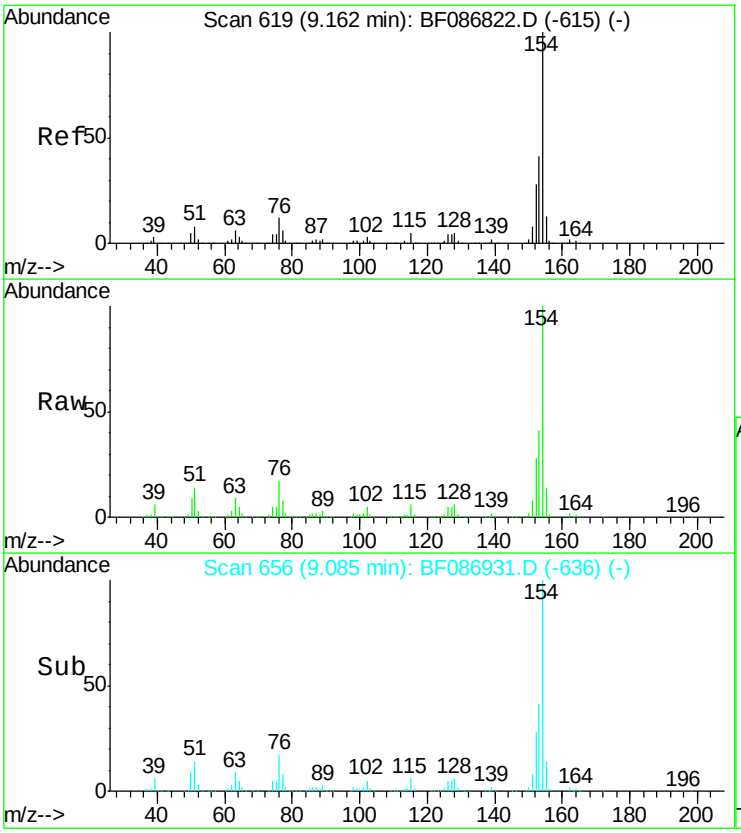
#44
2-Fluorobiphenyl
Concen: 78.05 ng
RT: 8.99 min Scan# 648
Delta R.T. -0.07 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Instrument :
BNA_F
ClientSampleId :
PB90495BS

Tgt Ion:172 Resp: 1467948

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.6
170	24.2	19.8	29.8

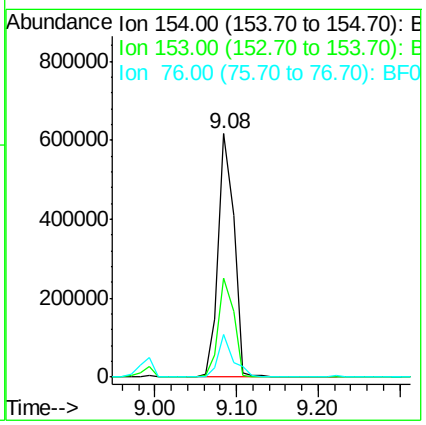


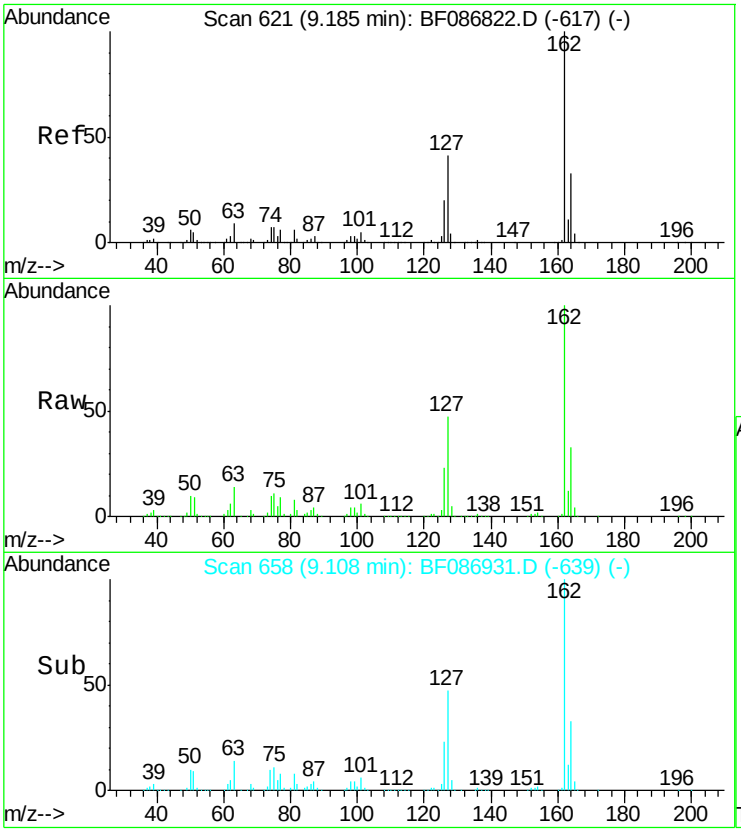


#45
1,1'-Biphenyl
Concen: 32.91 ng
RT: 9.08 min Scan# 656
Delta R.T. -0.08 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Tgt Ion:154 Resp: 827364

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.3	60.3
76	17.3	0.0	30.2



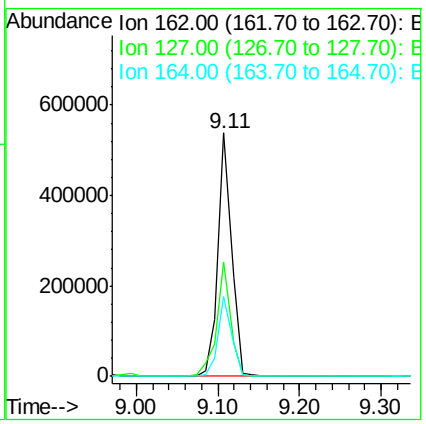


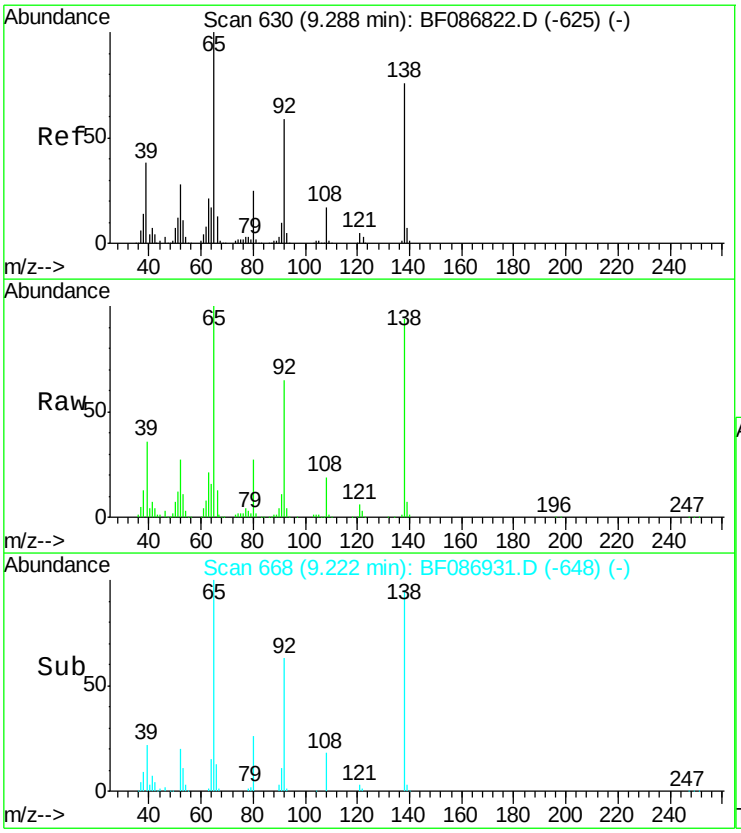
#46
2-Chloronaphthalene
Concen: 31.76 ng
RT: 9.11 min Scan# 658
Delta R.T. -0.08 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Instrument :
BNA_F
ClientSampleId :
PB90495BS

Tgt Ion:162 Resp: 625617

Ion	Ratio	Lower	Upper
162	100		
127	46.7	31.8	47.6
164	32.7	27.0	40.6





#47
2-Nitroaniline
Concen: 37.13 ng
RT: 9.22 min Scan# 668
Delta R.T. -0.07 min
Lab File: BF086931.D
Acq: 12 May 2016 15:32

Tgt Ion: 65 Resp: 267291

Ion	Ratio	Lower	Upper
65	100		
92	64.6	57.4	86.2
138	93.8	90.1	135.1