Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\
Data File : BF093846.D
Acq On : 22 Mar 2017 21:40
Operator : SJ/MA
Sample : I2296-05
Misc : LOD 2 PPB
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LOD-WATER-05-QT2-2017

Quant Time: Mar 23 13:45:35 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 23 02:02:22 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.99	152	176411	20.00	ng		0.00
21) Naphthalene-d8	7.49	136	731155	20.00	ng		0.00
38) Acenaphthene-d10	9.63	164	334113	20.00	ng		0.00
63) Phenanthrene-d10	11.46	188	588711	20.00	ng		0.00
75) Chrysene-d12	14.71	240	501592	20.00	ng		0.00
86) Perylene-d12	16.34	264	392548	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	4.50	112	1487634	142.43	ng		0.00
7) Phenol-d6	5.57	99	1809416	140.04	ng		0.00
23) Nitrobenzene-d5	6.63	82	1208403	94.32	ng		0.00
41) 2,4,6-Tribromophenol	10.60	330	386226	146.29	ng		0.00
44) 2-Fluorobiphenyl	8.82	172	2091034	95.46	ng		0.00
78) Terphenyl-d14	13.44	244	1764745	78.86	ng		0.00
Target Compounds							Qvalue
17) 2-Methylphenol	6.27	107	22672	2.31	ng		95
19) n-Nitroso-di-n-propylamine	6.46	70	19682	2.37	ng		94
20) 3+4-Methylphenols	6.45	107	30713	2.58	ng	#	85
22) Acetophenone	6.45	105	41608	2.55	ng	#	94
25) Isophorone	6.93	82	52592	2.34	ng		99
26) 2-Nitrophenol	7.03	139	11205	1.86	ng		96
27) 2,4-Dimethylphenol	7.08	122	23356	2.25	ng		99
28) bis(2-Chloroethoxy)methane	7.20	93	35354	2.38	ng		99
29) 2,4-Dichlorophenol	7.31	162	20072	2.07	ng		94
30) 1,2,4-Trichlorobenzene	7.42	180	25009	2.50	ng		96
36) 4-Chloro-3-methylphenol	8.16	107	21320	2.10	ng		89
42) 2,4,6-Trichlorophenol	8.70	196	13399	2.07	ng		89
43) 2,4,5-Trichlorophenol	8.74	196	15146	2.16	ng		90
56) 2,4-Dinitrotoluene	9.86	165	14597	2.13	ng	#	94
60) 4-Chlorophenyl-phenylether	10.31	204	27040	2.75	ng		94
61) 4-Nitroaniline	10.31	138	12811	2.09	ng		91
76) Benzidine	13.11	184	29823	1.50	ng	#	89
81) 3,3'-Dichlorobenzidine	14.66	252	17943	1.72	ng	#	97

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

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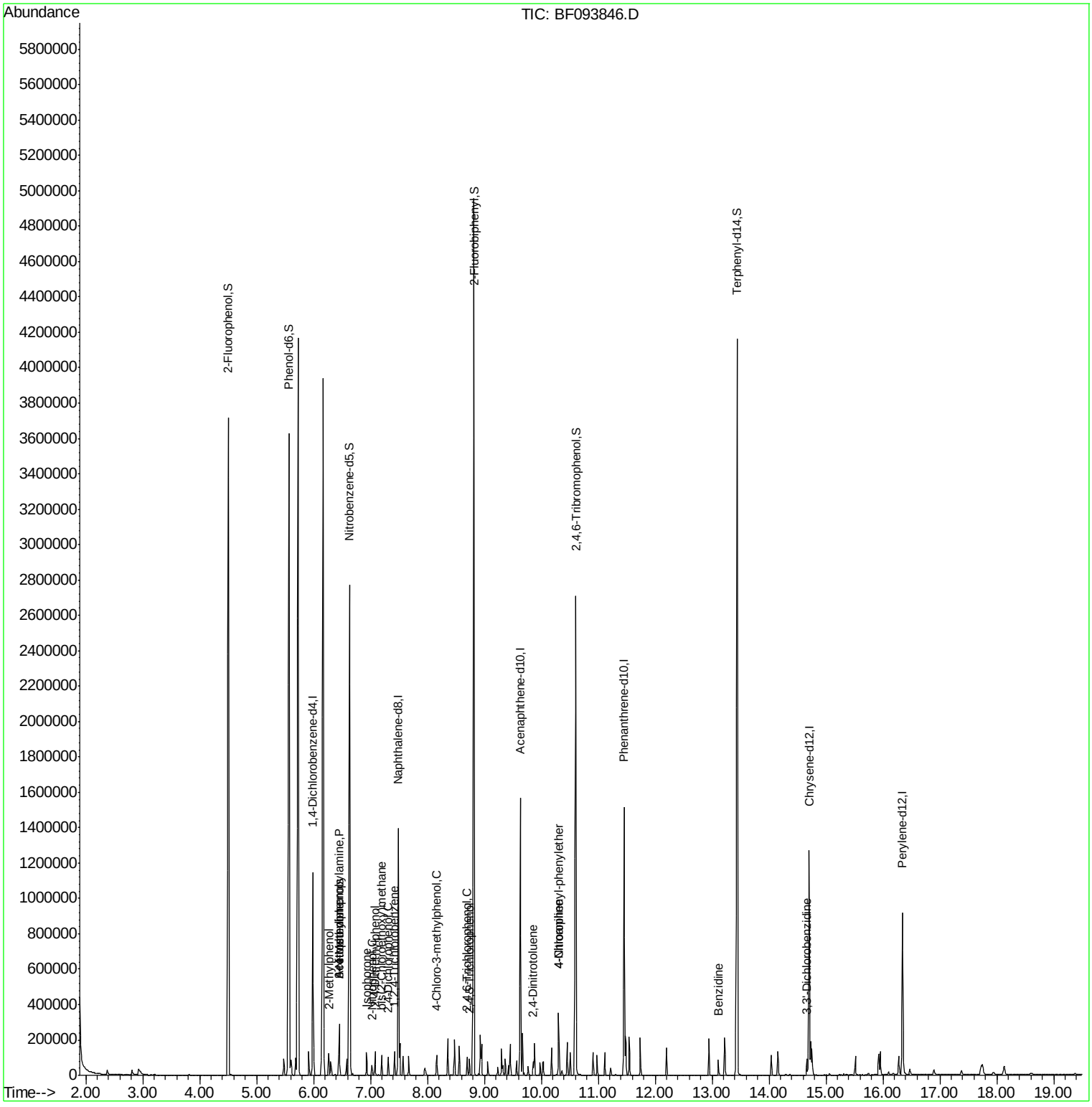
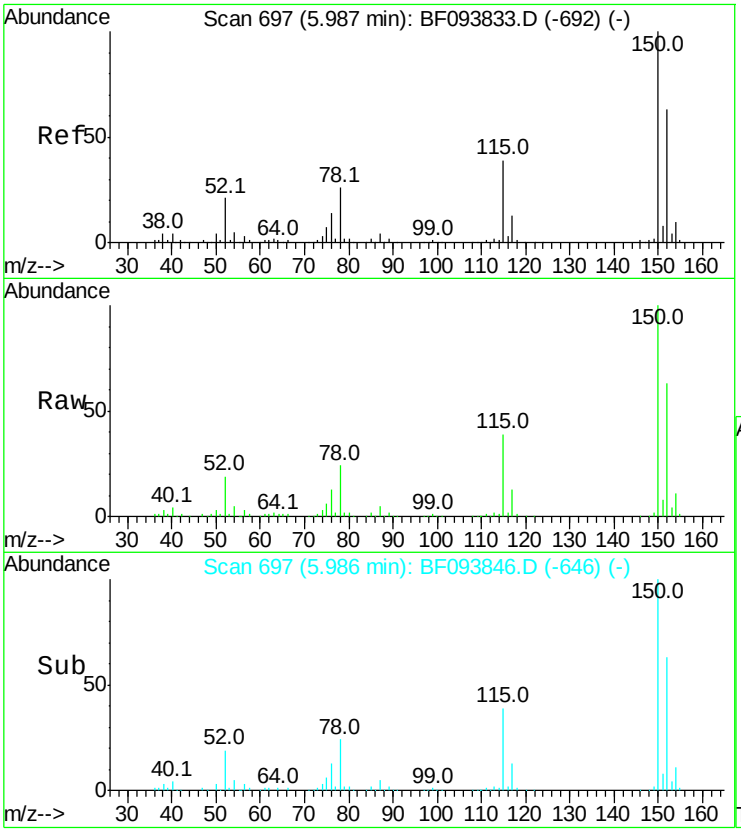


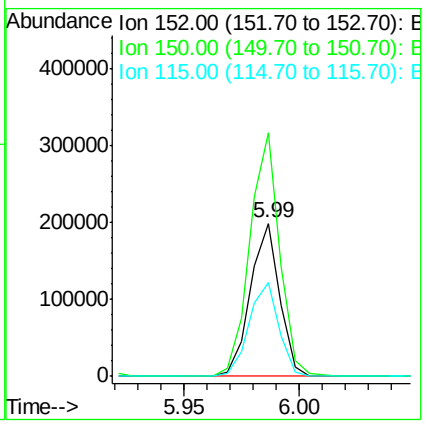


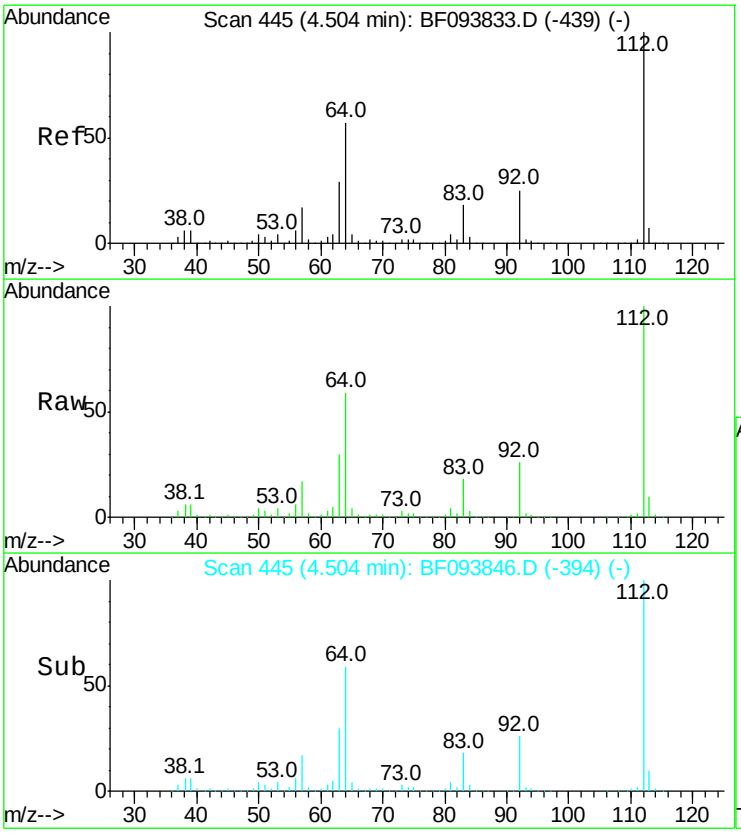
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.99 min Scan# 697
Delta R.T. -0.00 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

Tgt Ion:152 Resp: 176411

Ion	Ratio	Lower	Upper
152	100		
150	159.1	126.2	189.2
115	61.6	52.2	78.2

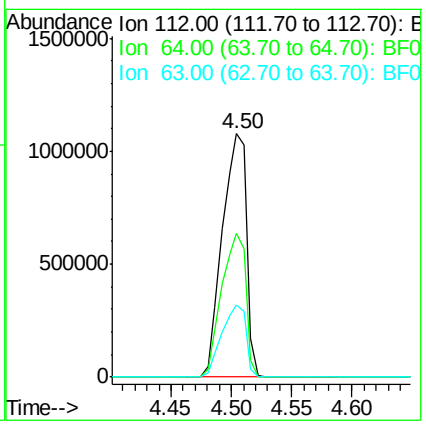


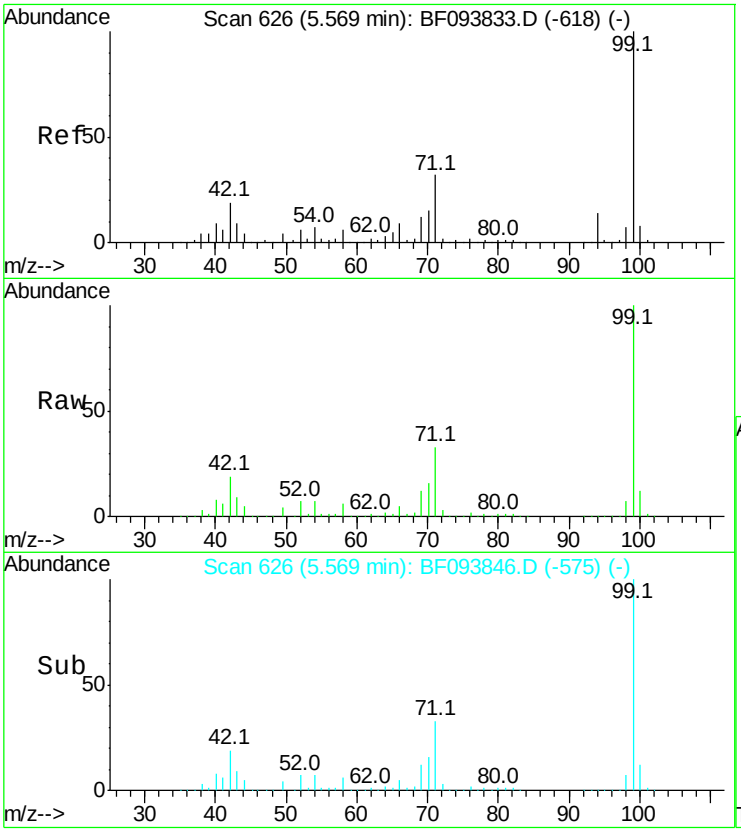


#5
2-Fluorophenol
Concen: 142.43 ng
RT: 4.50 min Scan# 445
Delta R.T. 0.00 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Tgt Ion:112 Resp: 1487634

Ion	Ratio	Lower	Upper
112	100		
64	58.8	46.0	69.0
63	29.6	23.4	35.0



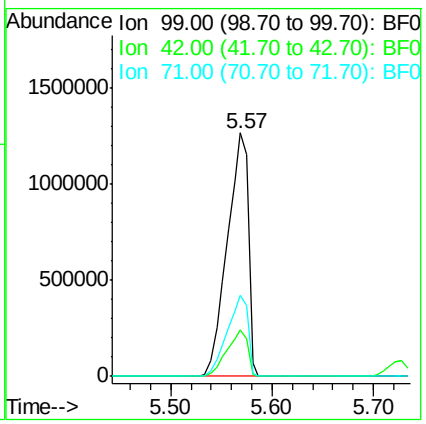


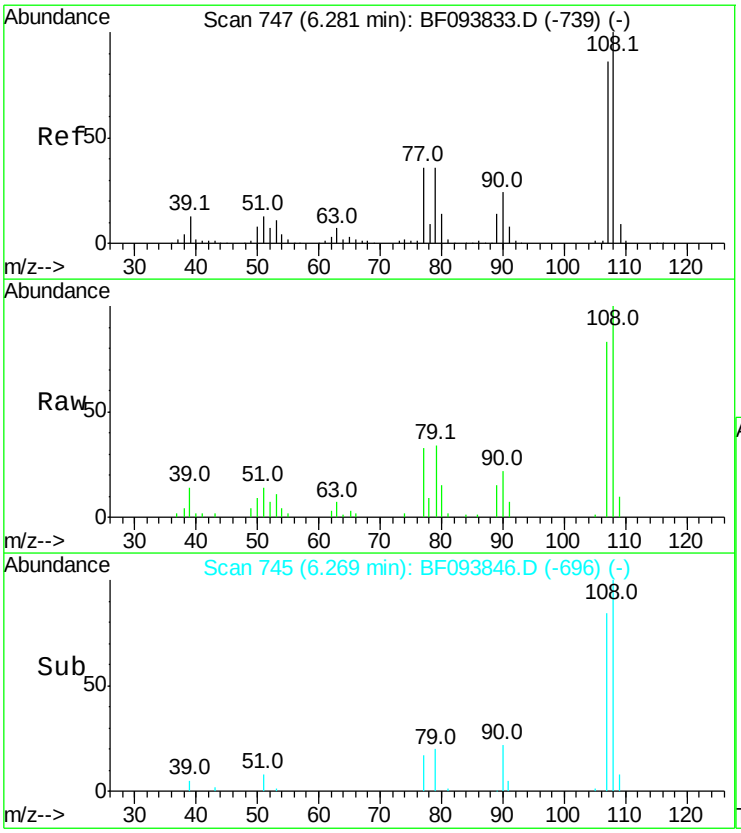
#7
Phenol-d6
Concen: 140.04 ng
RT: 5.57 min Scan# 626
Delta R.T. -0.00 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

Tgt Ion: 99 Resp: 1809416

Ion	Ratio	Lower	Upper
99	100		
42	19.2	13.5	20.3
71	33.4	24.5	36.7

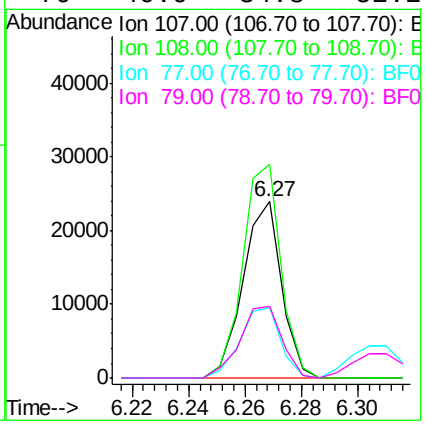


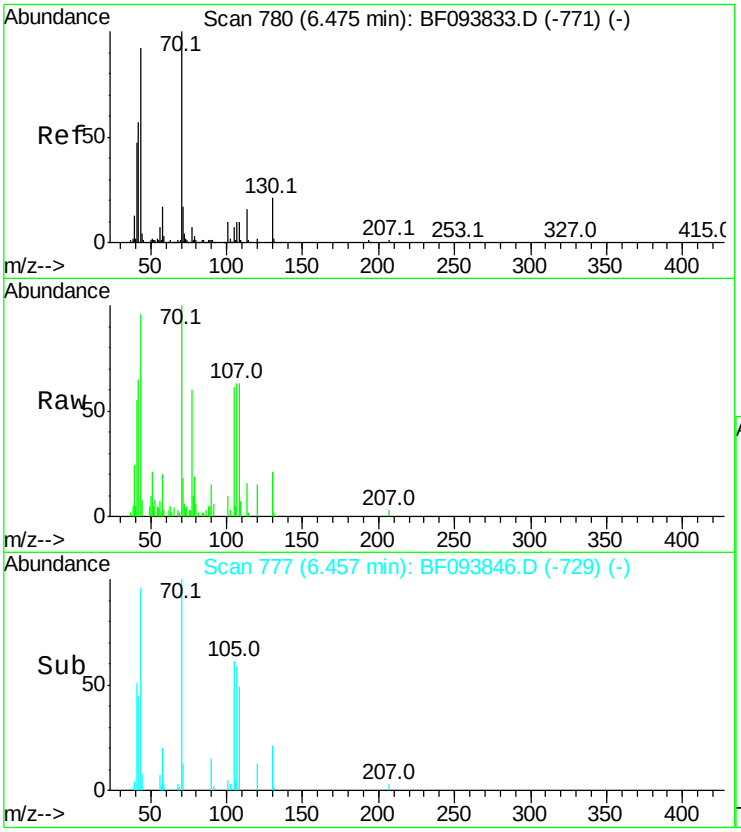


#17
2-Methylphenol
Concen: 2.31 ng
RT: 6.27 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Tgt Ion:107 Resp: 22672

Ion	Ratio	Lower	Upper
107	100		
108	121.0	93.4	140.0
77	39.9	35.8	53.6
79	40.9	34.8	52.2



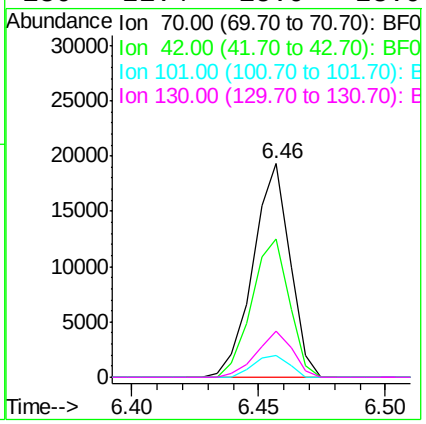


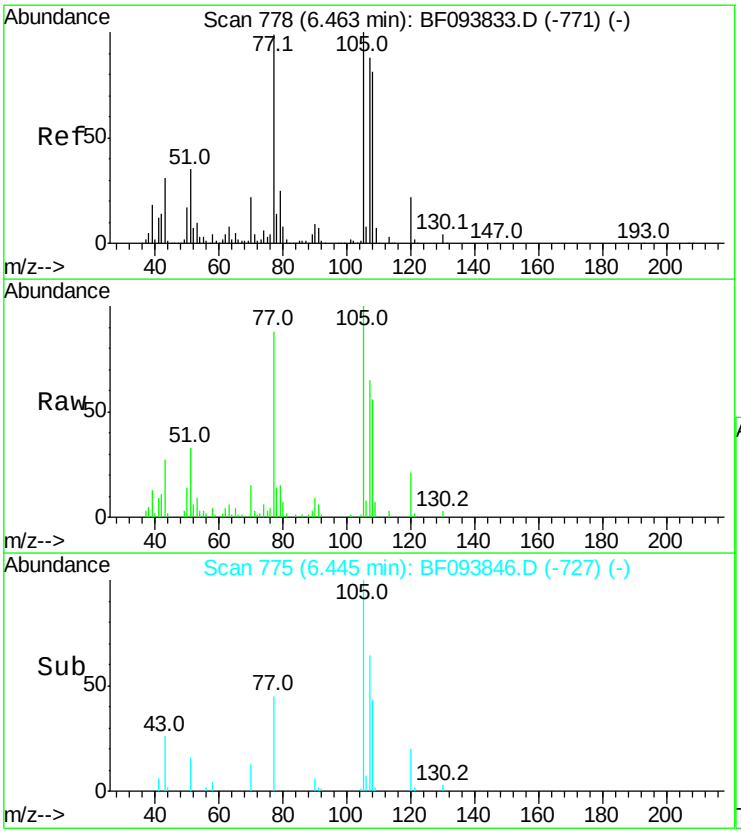
#19
n-Nitroso-di-n-propylamine
Concen: 2.37 ng
RT: 6.46 min Scan# 777
Delta R.T. -0.02 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

Tgt Ion: 70 Resp: 19682

Ion	Ratio	Lower	Upper
70	100		
42	64.6	47.2	70.8
101	10.1	7.2	10.8
130	21.4	15.9	23.9

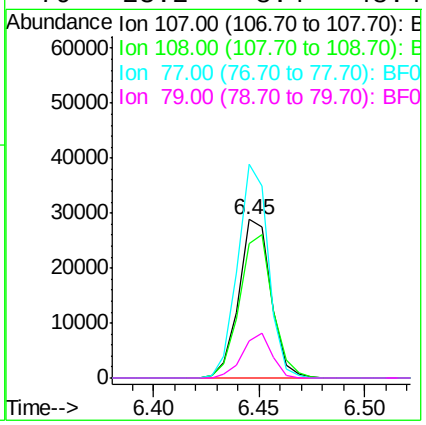


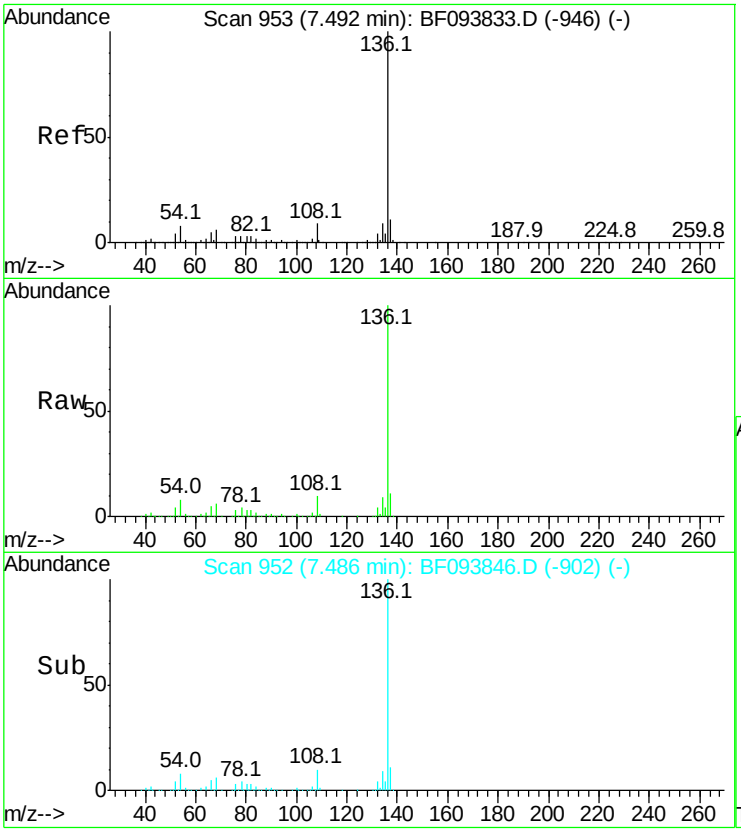


#20
3+4-Methylphenols
Concen: 2.58 ng
RT: 6.45 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Tgt Ion:107 Resp: 30713

Ion	Ratio	Lower	Upper
107	100		
108	85.1	71.0	111.0
77	134.8	90.5	130.5#
79	23.2	8.4	48.4



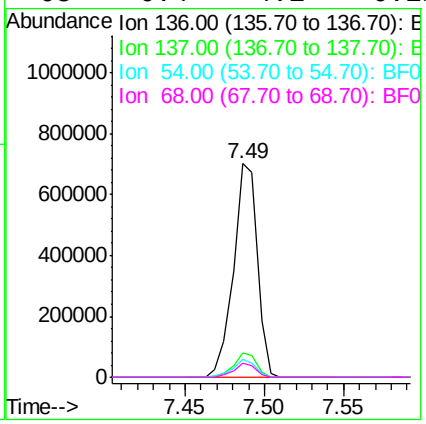


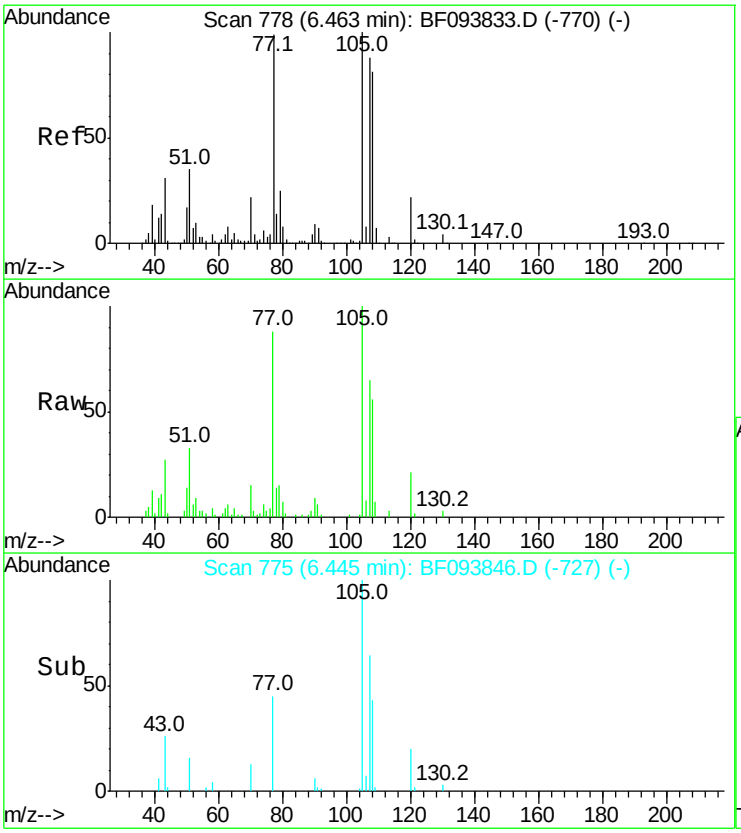
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.49 min Scan# 952
Delta R.T. -0.01 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

Tgt Ion:136 Resp: 731155

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.5	12.7
54	8.3	4.9	7.3#
68	6.4	4.1	6.1#

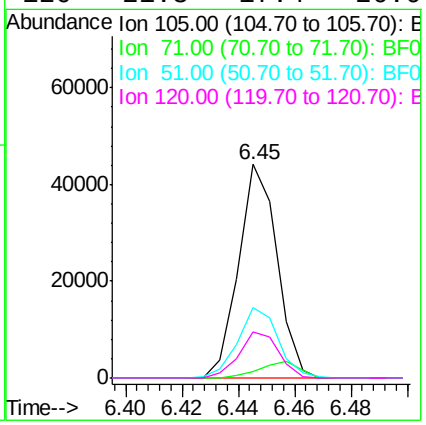


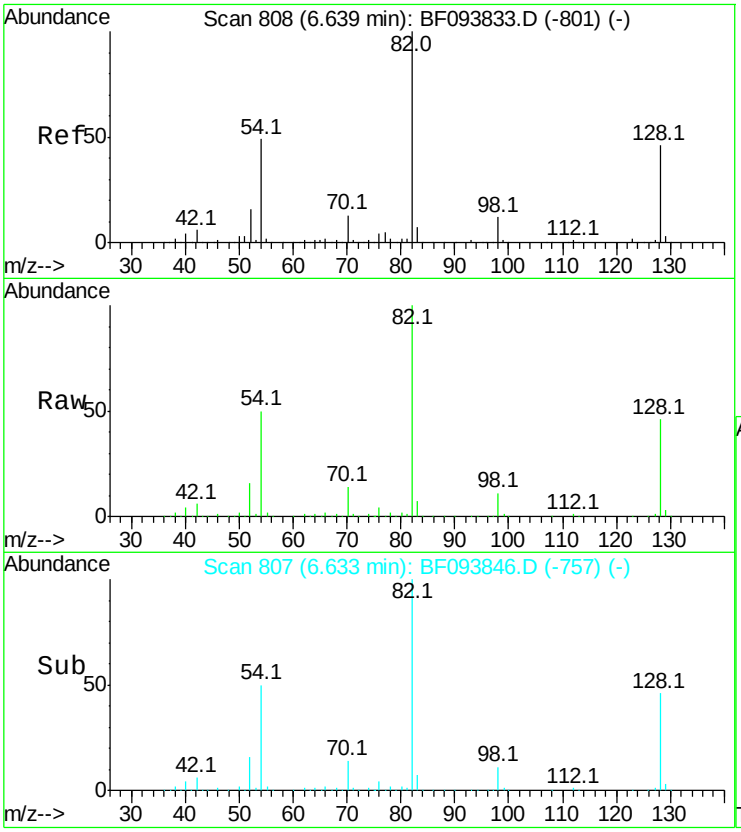


#22
Acetophenone
Concen: 2.55 ng
RT: 6.45 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Tgt Ion:105 Resp: 41608

Ion	Ratio	Lower	Upper
105	100		
71	2.8	2.8	4.2#
51	33.0	30.7	46.1
120	21.3	17.4	26.0



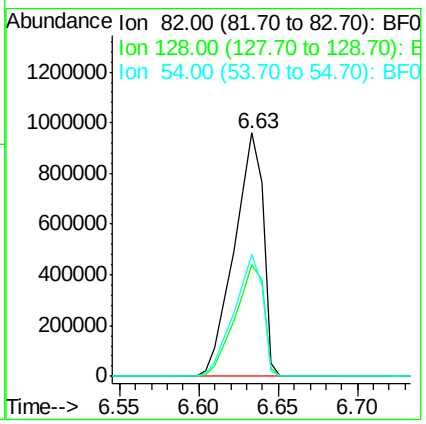


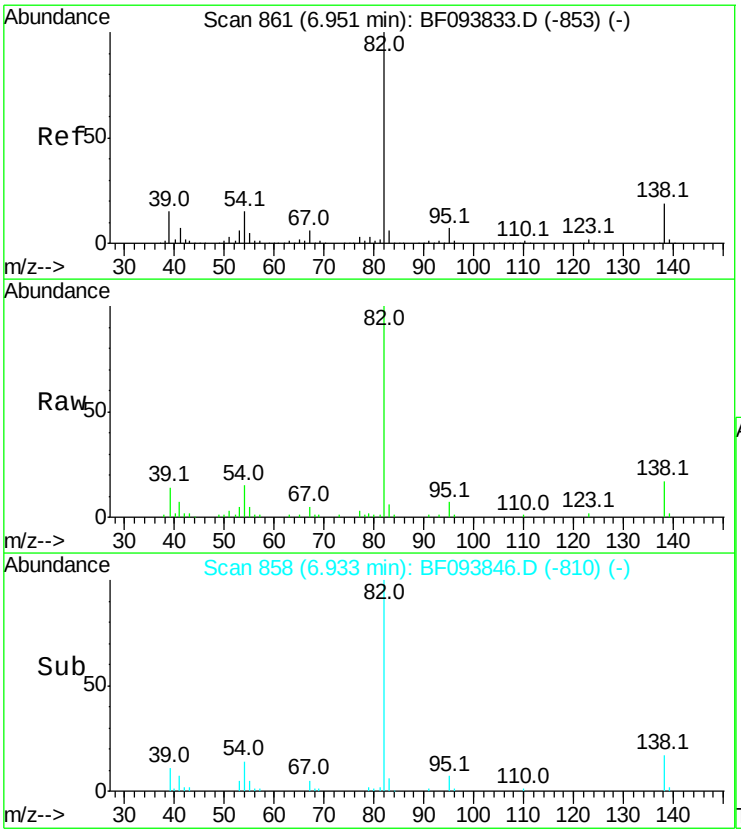
#23
Nitrobenzene-d5
Concen: 94.32 ng
RT: 6.63 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

Tgt Ion: 82 Resp: 1208403

Ion	Ratio	Lower	Upper
82	100		
128	45.9	34.0	51.0
54	50.4	42.2	63.2

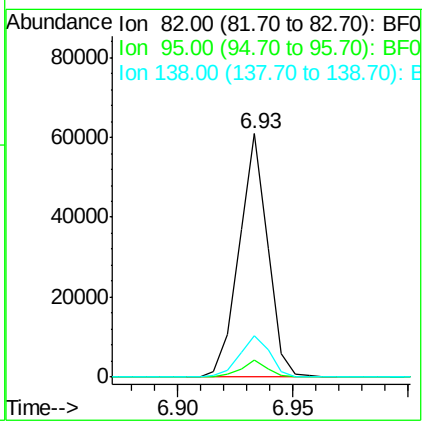


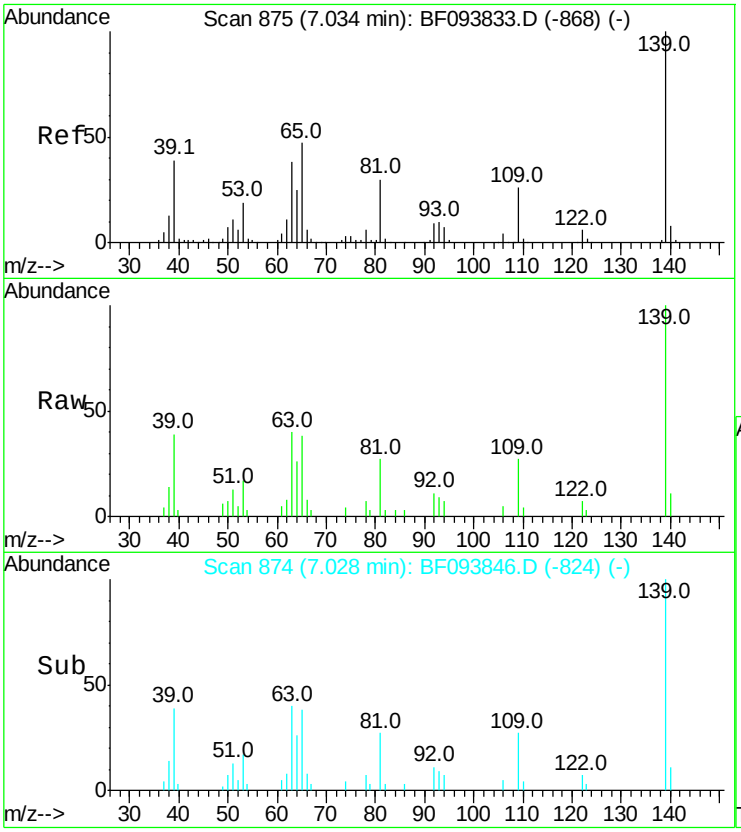


#25
Isophorone
Concen: 2.34 ng
RT: 6.93 min Scan# 858
Delta R.T. -0.02 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Tgt Ion: 82 Resp: 52592

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.3	7.9
138	17.0	13.1	19.7



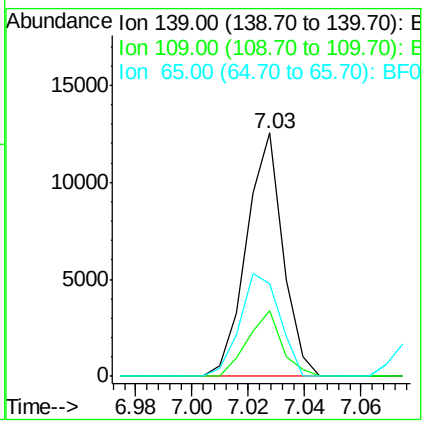


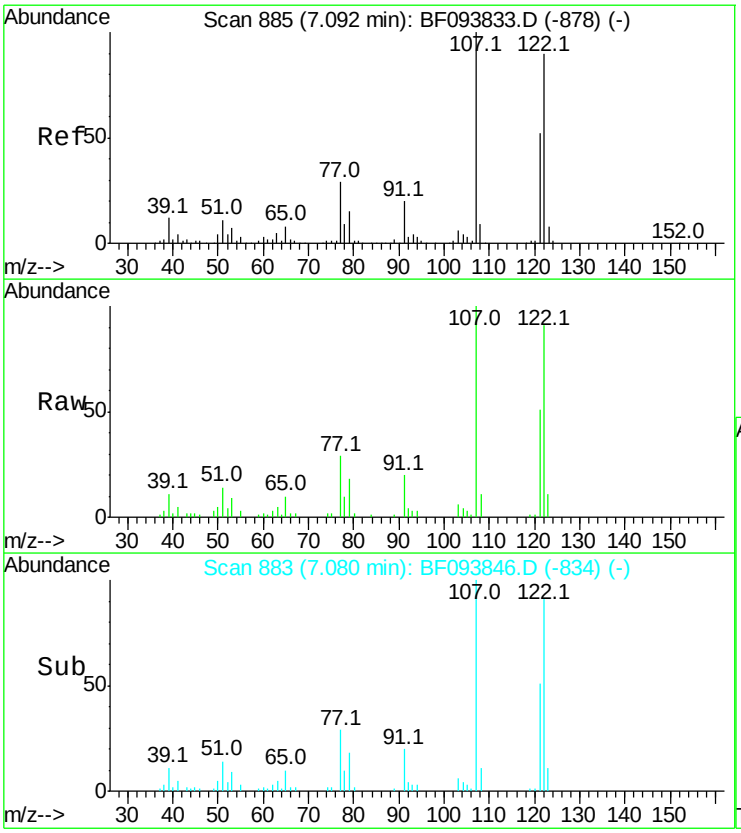
#26
2-Nitrophenol
Concen: 1.86 ng
RT: 7.03 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

Tgt Ion:139 Resp: 11205

Ion	Ratio	Lower	Upper
139	100		
109	27.1	21.0	31.6
65	37.8	33.0	49.6

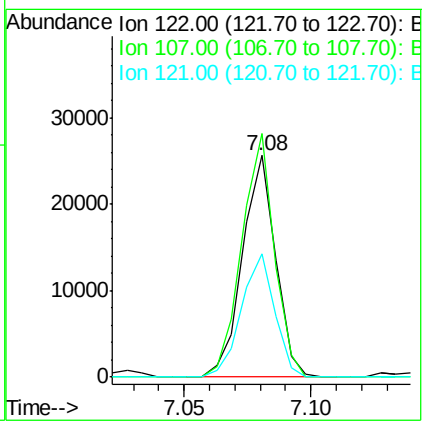


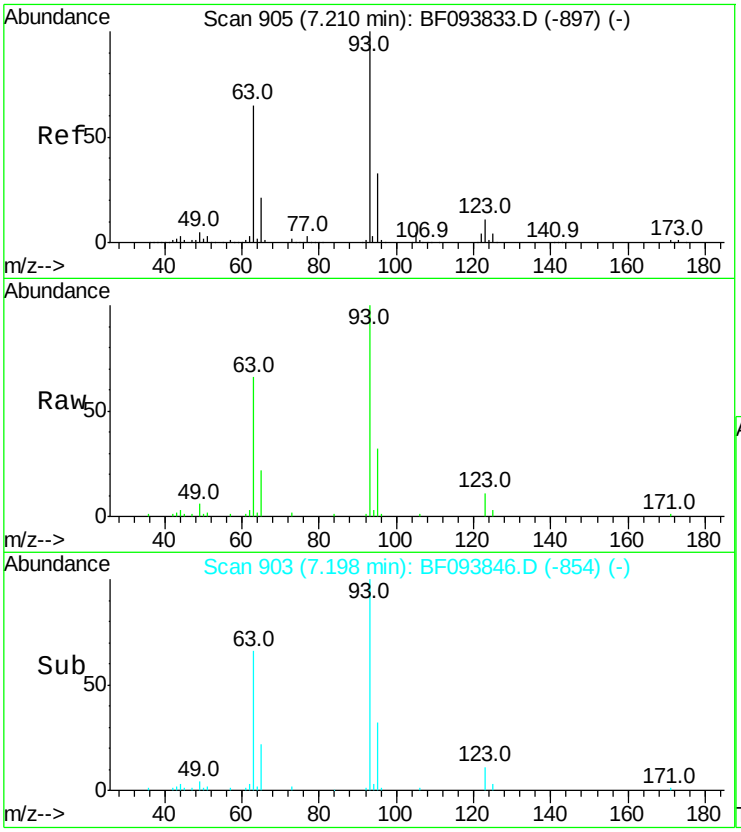


#27
2,4-Dimethylphenol
Concen: 2.25 ng
RT: 7.08 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Tgt Ion:122 Resp: 23356

Ion	Ratio	Lower	Upper
122	100		
107	110.0	89.2	133.8
121	55.9	45.2	67.8



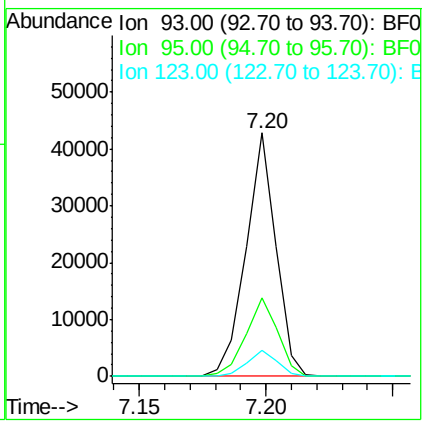


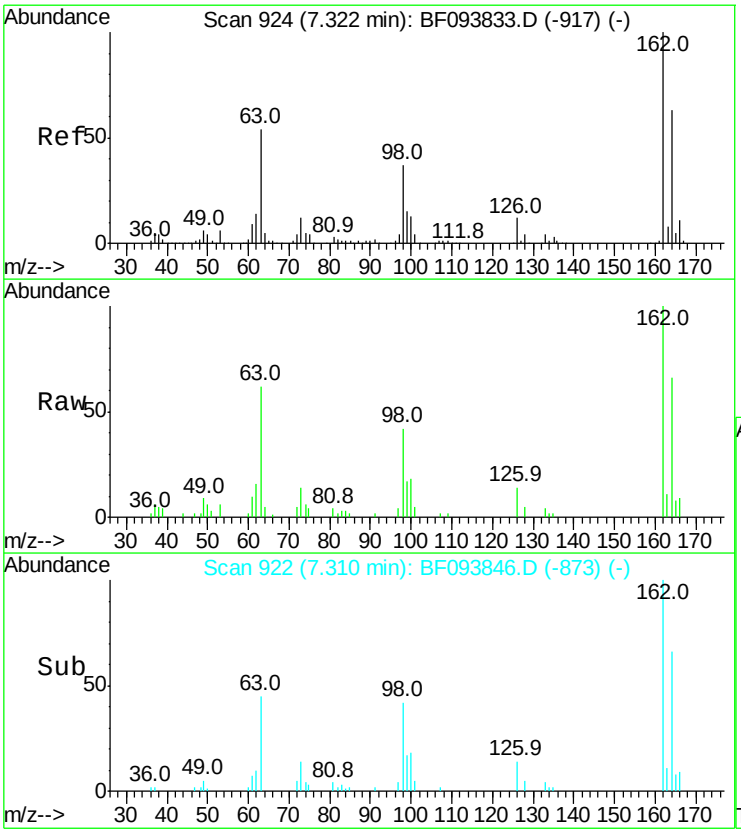
#28
bis(2-Chloroethoxy)methane
Concen: 2.38 ng
RT: 7.20 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

Tgt Ion: 93 Resp: 35354

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.5	39.7
123	10.5	9.0	13.4

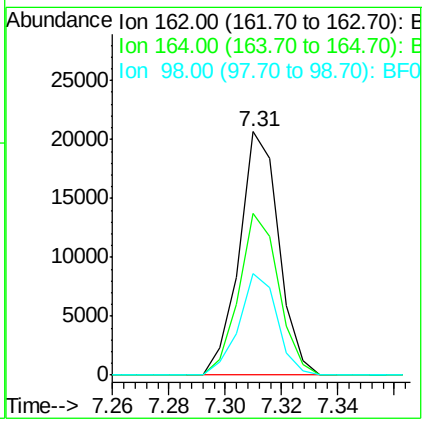


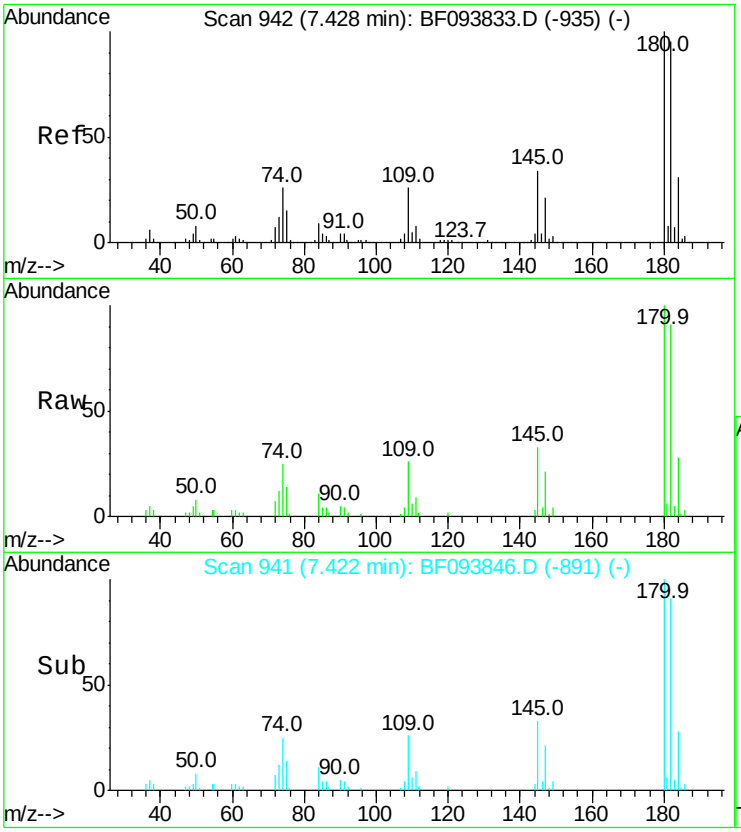


#29
2,4-Dichlorophenol
Concen: 2.07 ng
RT: 7.31 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Tgt Ion:162 Resp: 20072

Ion	Ratio	Lower	Upper
162	100		
164	66.2	44.6	84.6
98	41.8	14.8	54.8



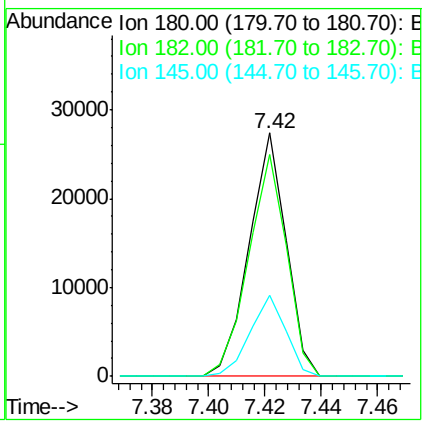


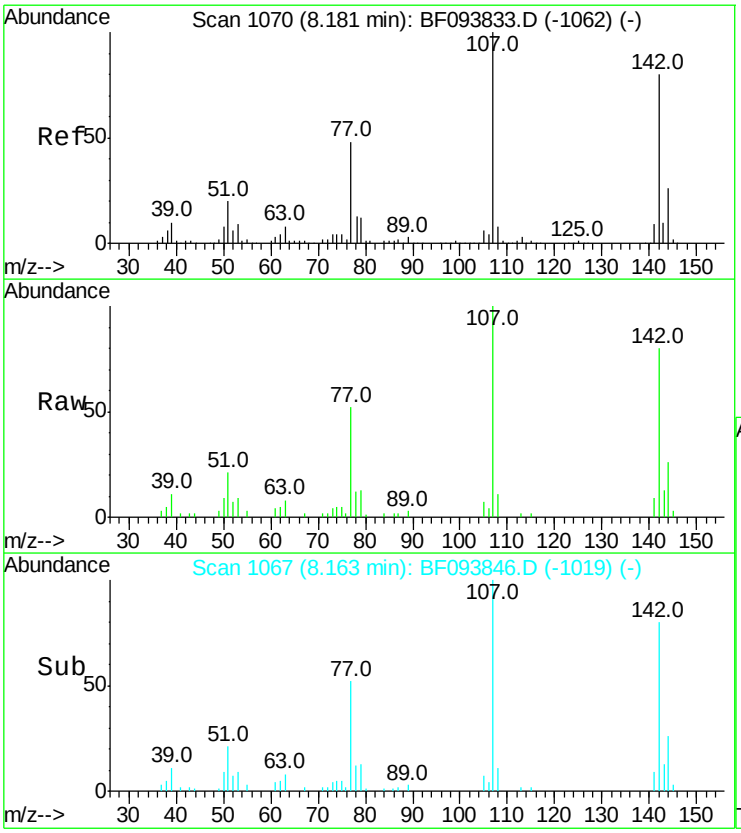
#30
1,2,4-Trichlorobenzene
Concen: 2.50 ng
RT: 7.42 min Scan# 941
Delta R.T. -0.01 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

Tgt Ion:180 Resp: 25009

Ion	Ratio	Lower	Upper
180	100		
182	91.0	75.8	113.6
145	33.1	25.3	37.9

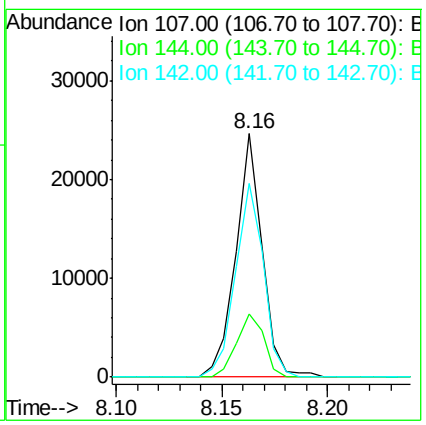


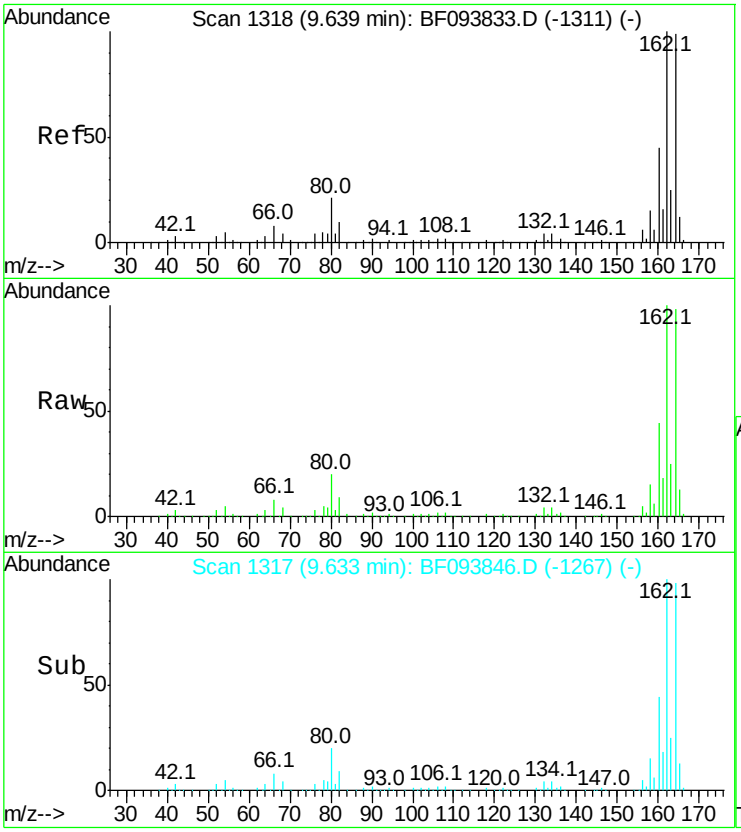


#36
4-Chloro-3-methylphenol
Concen: 2.10 ng
RT: 8.16 min Scan# 1067
Delta R.T. -0.02 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Tgt Ion:107 Resp: 21320

Ion	Ratio	Lower	Upper
107	100		
144	26.1	24.2	36.4
142	79.7	73.4	110.0



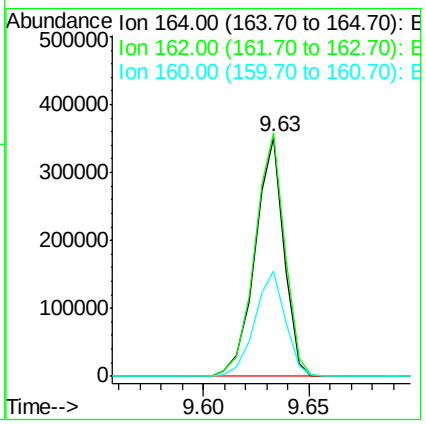


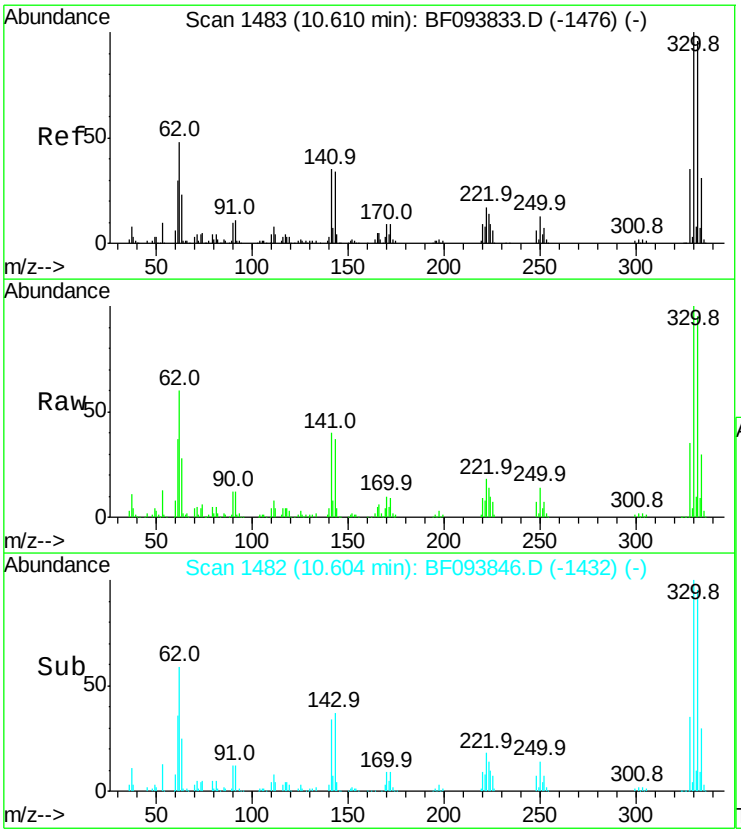
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

Tgt Ion:164 Resp: 334113

Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.6	123.8
160	44.3	36.2	54.2

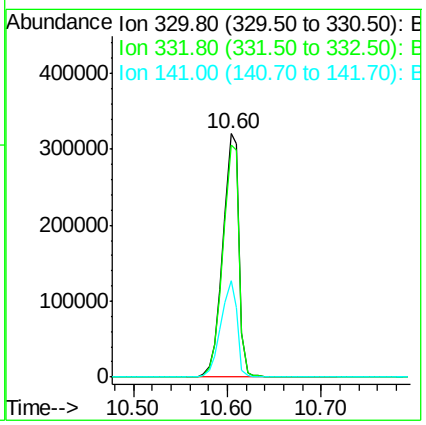


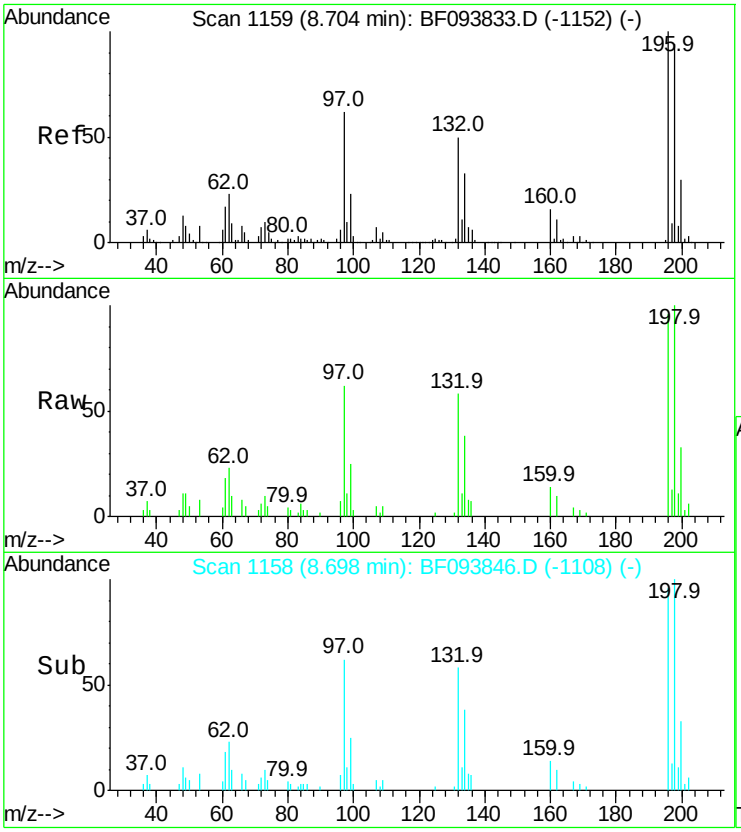


#41
2,4,6-Tribromophenol
Concen: 146.29 ng
RT: 10.60 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Tgt Ion:330 Resp: 386226

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	115.0
141	39.8	31.4	47.2



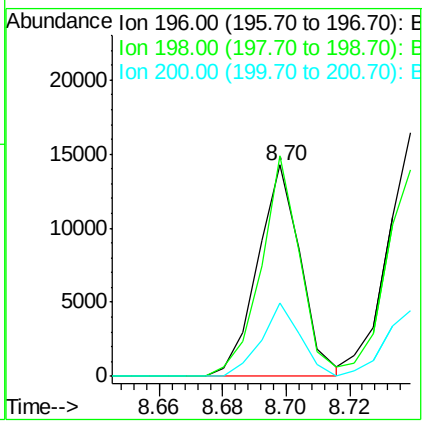


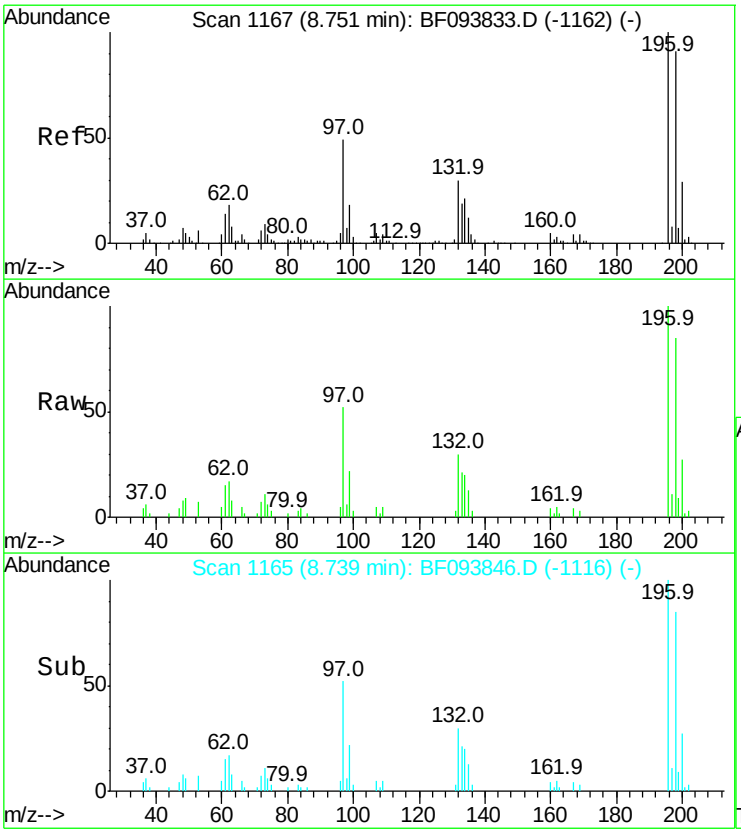
#42
2,4,6-Trichlorophenol
Concen: 2.07 ng
RT: 8.70 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

Tgt Ion:196 Resp: 13399

Ion	Ratio	Lower	Upper
196	100		
198	104.6	74.2	111.4
200	34.5	24.0	36.0

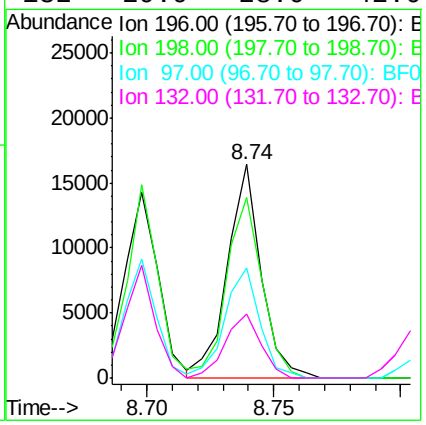


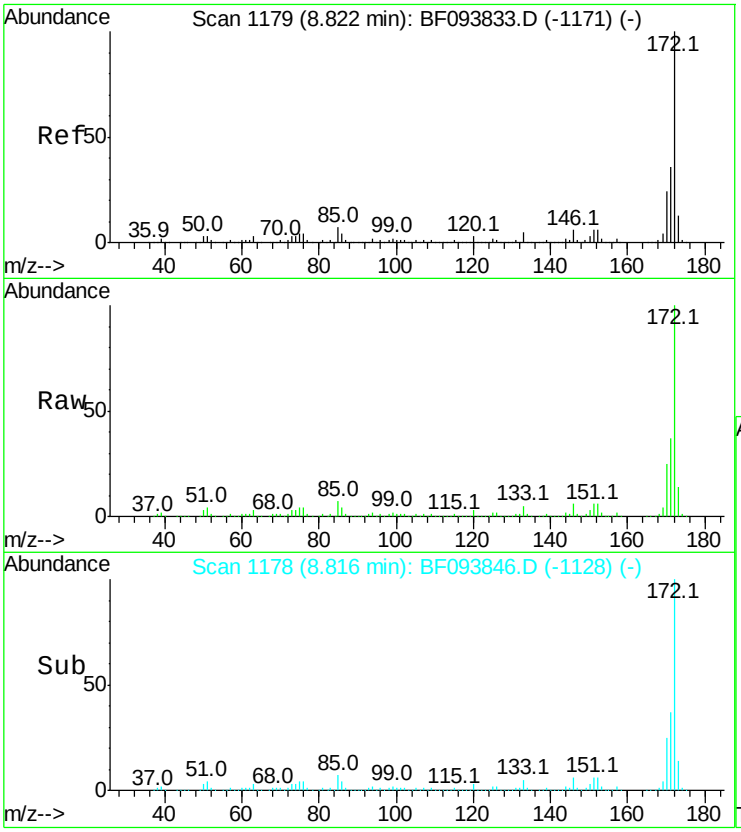


#43
2,4,5-Trichlorophenol
Concen: 2.16 ng
RT: 8.74 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Tgt Ion:196 Resp: 15146

Ion	Ratio	Lower	Upper
196	100		
198	84.6	75.7	113.5
97	51.5	47.7	71.5
132	29.9	28.0	42.0



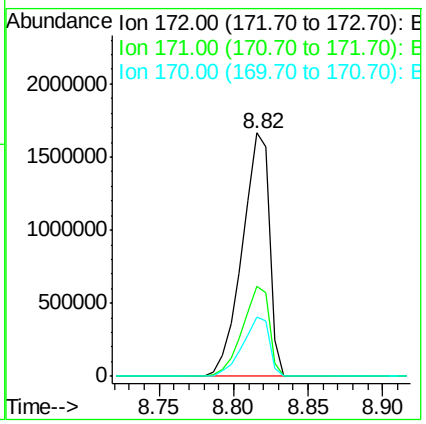


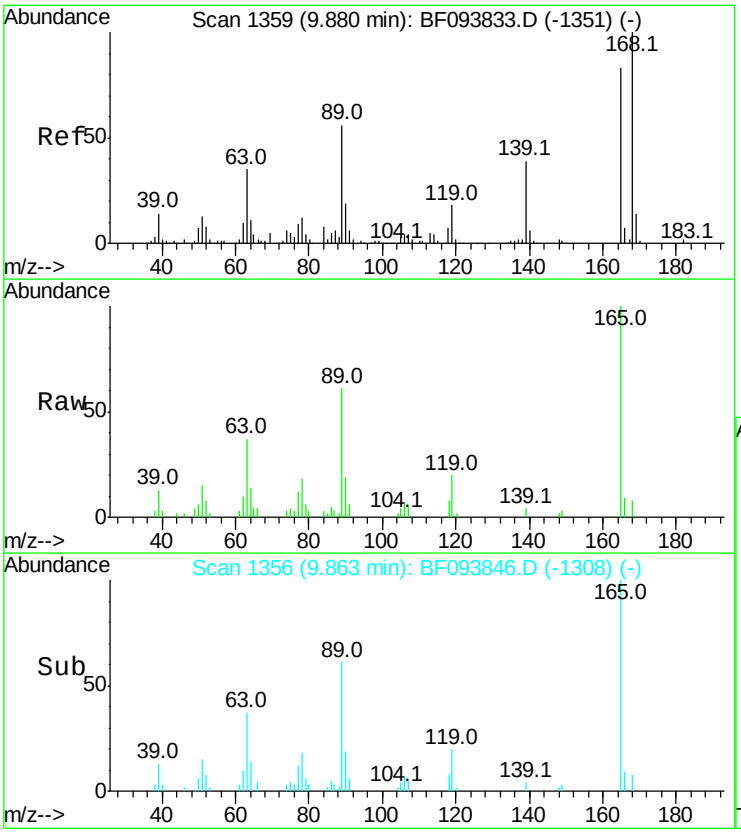
#44
2-Fluorobiphenyl
Concen: 95.46 ng
RT: 8.82 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

Tgt Ion:172 Resp: 2091034

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.6	19.8	29.8

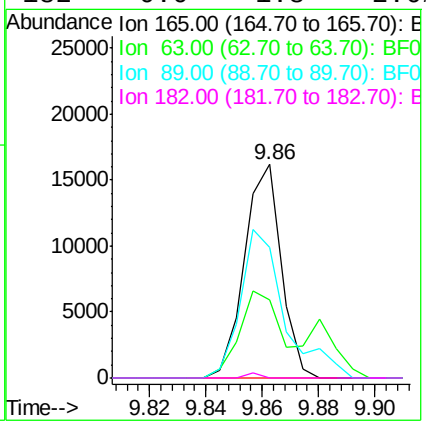


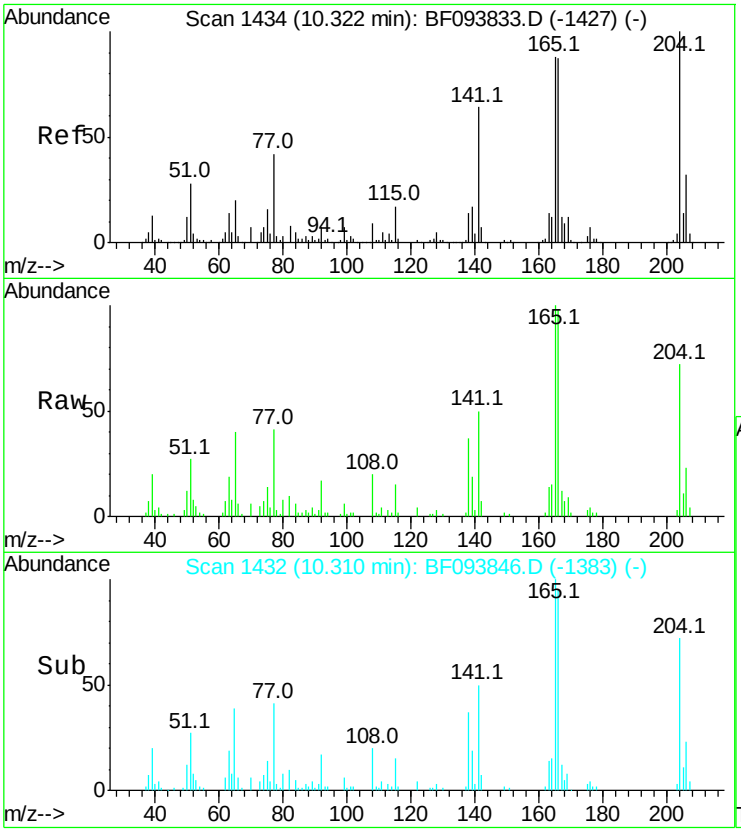


#56
2,4-Dinitrotoluene
Concen: 2.13 ng
RT: 9.86 min Scan# 1356
Delta R.T. -0.02 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Tgt Ion:165 Resp: 14597

Ion	Ratio	Lower	Upper
165	100		
63	36.8	25.4	38.0
89	61.0	46.4	69.6
182	0.0	1.8	2.6#



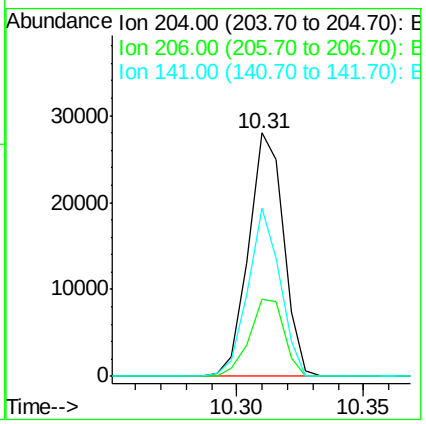


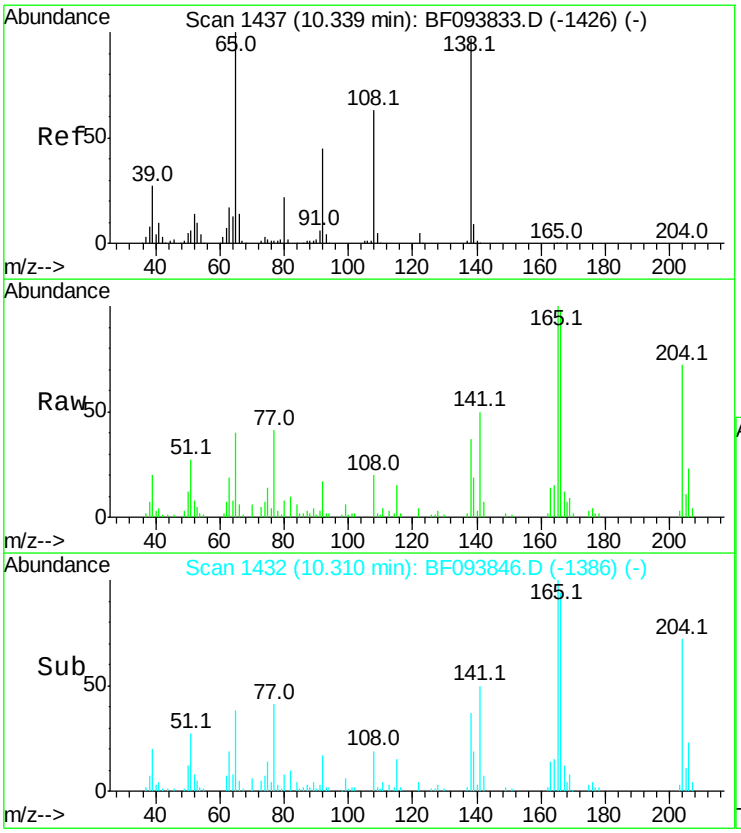
#60
4-Chlorophenyl-phenylether
Concen: 2.75 ng
RT: 10.31 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

Tgt Ion:204 Resp: 27040

Ion	Ratio	Lower	Upper
204	100		
206	31.6	26.2	39.2
141	69.1	60.8	91.2

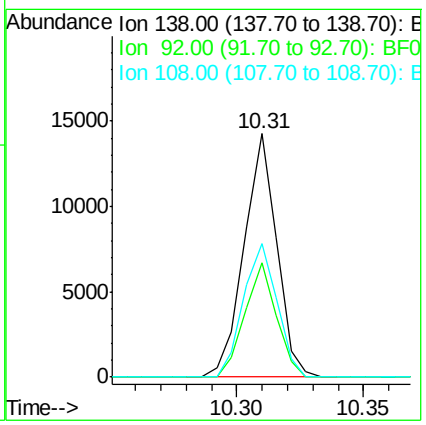


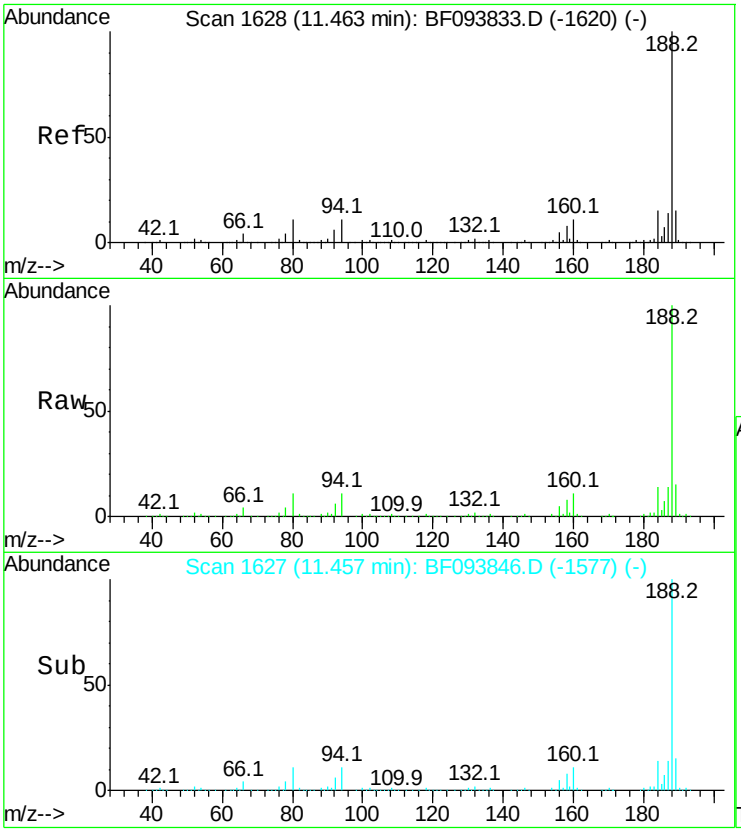


#61
4-Nitroaniline
Concen: 2.09 ng
RT: 10.31 min Scan# 1432
Delta R.T. -0.03 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Tgt Ion:138 Resp: 12811

Ion	Ratio	Lower	Upper
138	100		
92	47.0	21.8	61.8
108	54.9	42.3	82.3



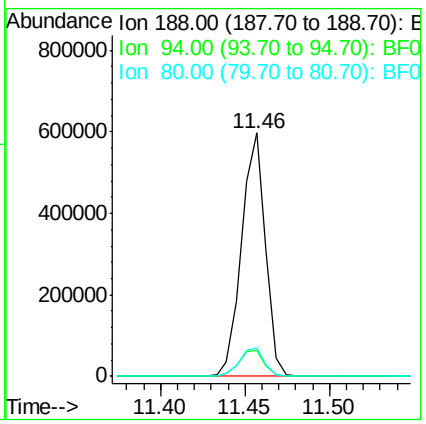


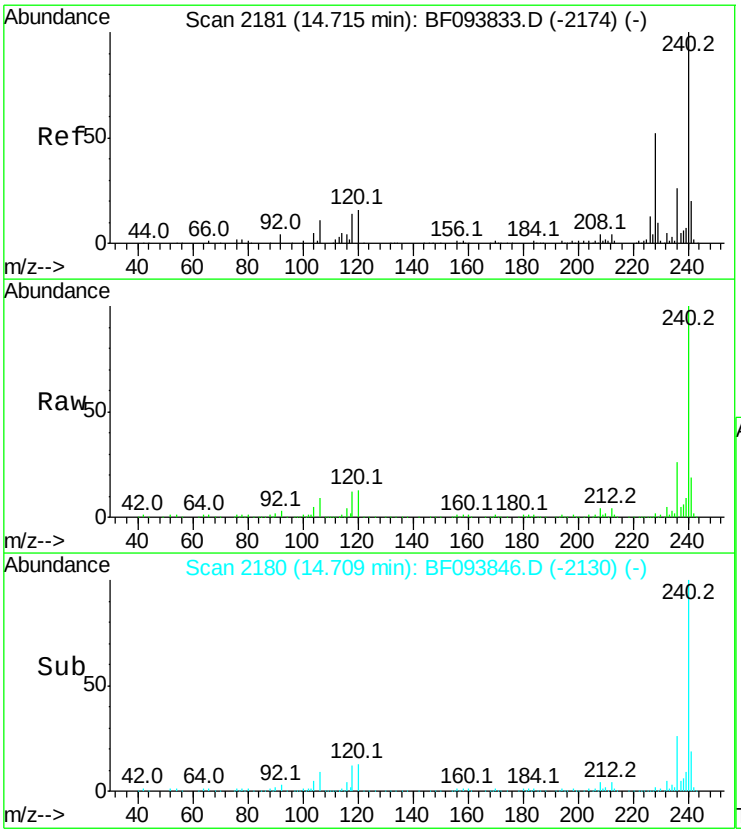
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

Tgt Ion:188 Resp: 588711

Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.4	14.2
80	11.5	10.2	15.2

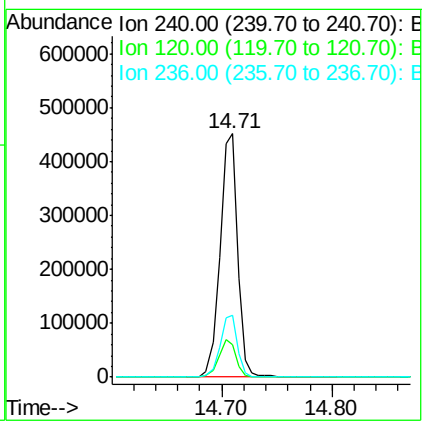


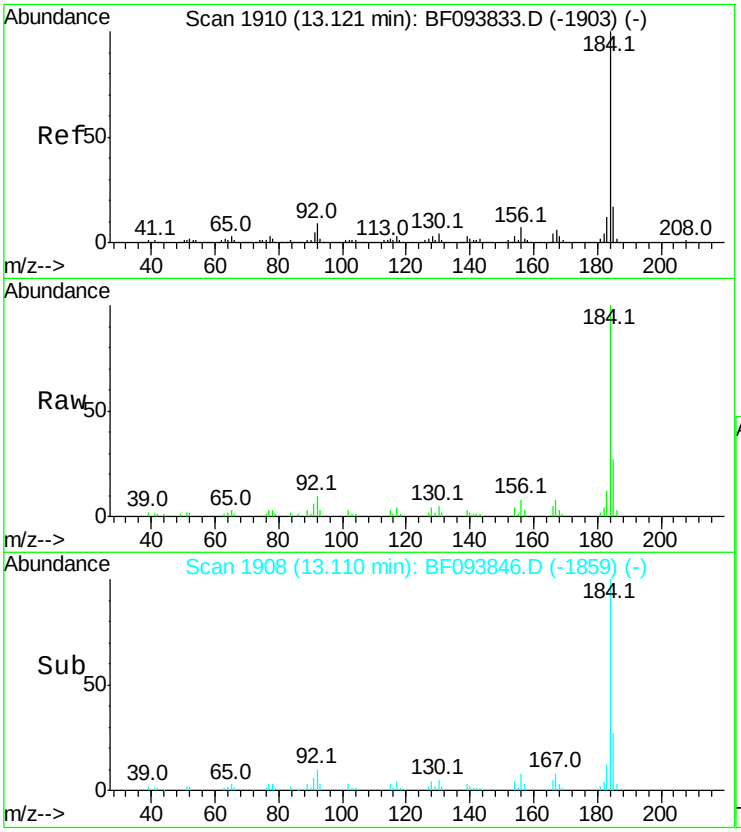


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.71 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Tgt Ion:240 Resp: 501592

Ion	Ratio	Lower	Upper
240	100		
120	13.4	5.8	8.8#
236	25.5	20.5	30.7



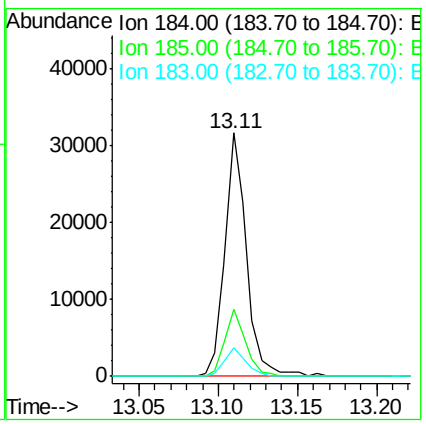


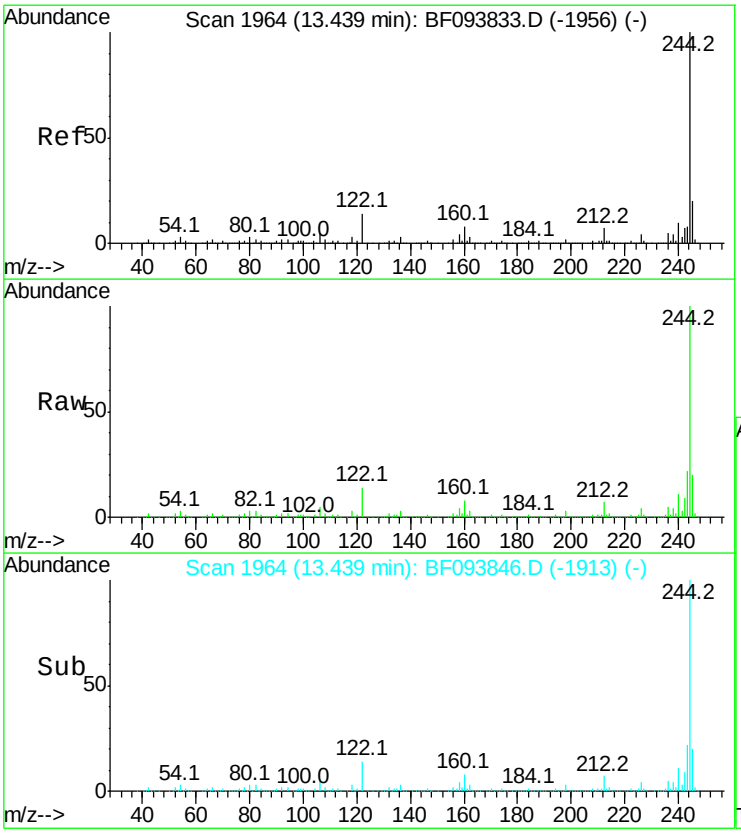
#76
Benzidine
Concen: 1.50 ng
RT: 13.11 min Scan# 1908
Delta R.T. -0.01 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

Tgt Ion:184 Resp: 29823

Ion	Ratio	Lower	Upper
184	100		
185	27.4	15.5	23.3#
183	11.6	9.8	14.6

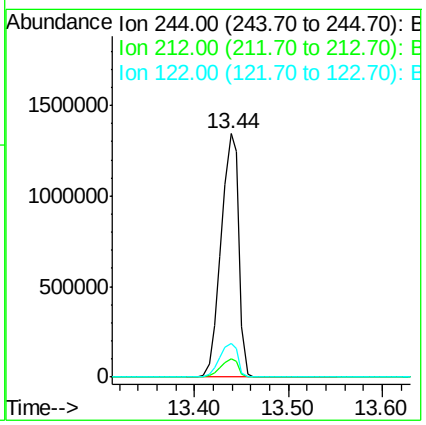


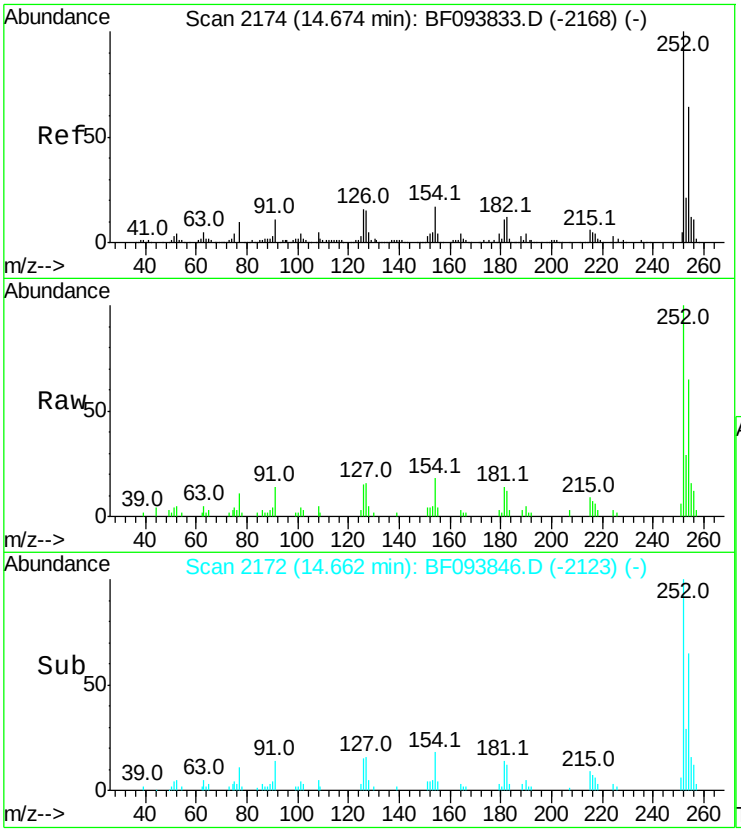


#78
Terphenyl-d14
Concen: 78.86 ng
RT: 13.44 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Tgt Ion:244 Resp: 1764745

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	13.6	10.3	15.5



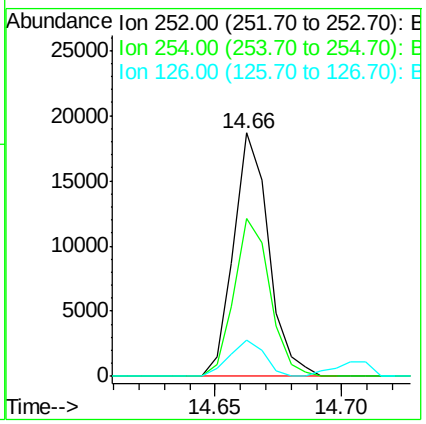


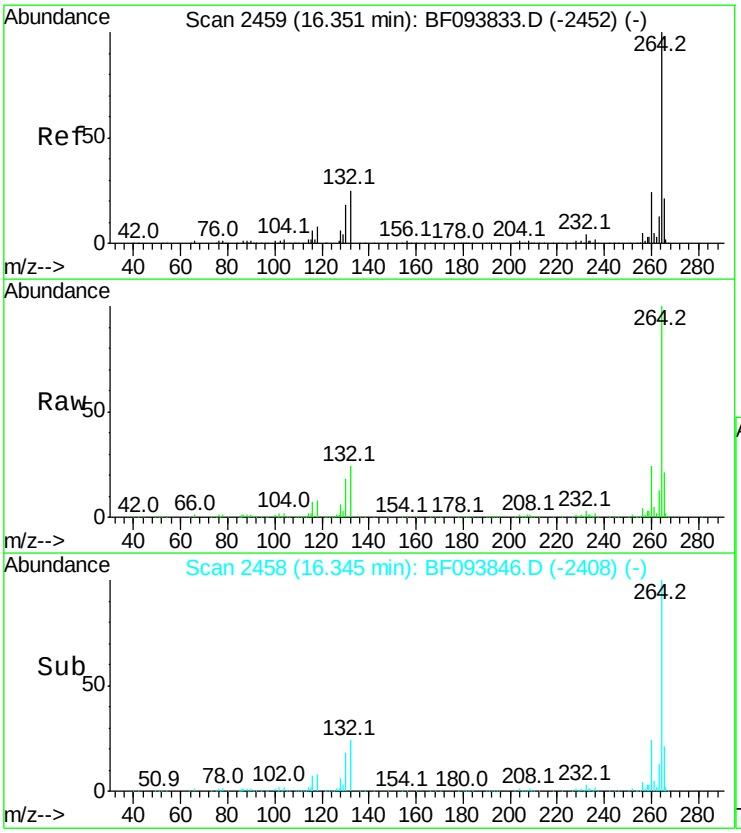
#81
3,3'-Dichlorobenzidine
Concen: 1.72 ng
RT: 14.66 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT2-2017

Tgt Ion:252 Resp: 17943

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.5	77.3
126	15.0	15.8	23.8#





#86
Perylene-d12
Concen: 20.00 ng
RT: 16.34 min Scan# 2458
Delta R.T. -0.01 min
Lab File: BF093846.D
Acq: 22 Mar 2017 21:40

Tgt Ion:264 Resp: 392548

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.1	17.2	25.8