Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
Data File : BF099029.D
Acq On : 3 Oct 2017 14:09
Operator : SJ/JU
Sample : I5275-05
Misc : LOD 2 PPM
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LOD-WATER-05-QT4-2017

Quant Time: Oct 05 01:01:01 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	118711	20.00	ng		-0.05
21) Naphthalene-d8	8.15	136	494575	20.00	ng		-0.05
38) Acenaphthene-d10	9.91	164	227310	20.00	ng		-0.05
63) Phenanthrene-d10	11.40	188	414069	20.00	ng		-0.05
75) Chrysene-d12	14.03	240	298628	20.00	ng		-0.05
86) Perylene-d12	15.51	264	240319	20.00	ng		-0.06
System Monitoring Compounds							
5) 2-Fluorophenol	5.49	112	1064811	142.79	ng		-0.05
7) Phenol-d6	6.50	99	1291205	140.36	ng		-0.04
23) Nitrobenzene-d5	7.43	82	643193	83.40	ng		-0.05
41) 2,4,6-Tribromophenol	10.70	330	275813	148.29	ng		-0.05
44) 2-Fluorobiphenyl	9.23	172	1185697	87.08	ng		-0.05
78) Terphenyl-d14	12.98	244	996822	75.91	ng		-0.05
Target Compounds							Qvalue
17) 2-Methylphenol	7.12	107	14566	2.108	ng		98
19) n-Nitroso-di-n-propylamine	7.27	70	13084	2.228	ng		94
20) 3+4-Methylphenols	7.27	107	19512	2.232	ng	#	71
22) Acetophenone	7.27	105	27345	2.282	ng	#	99
25) Isophorone	7.69	82	33201	2.082	ng		99
26) 2-Nitrophenol	7.77	139	8721	2.073	ng		94
27) 2,4-Dimethylphenol	7.80	122	16201	2.039	ng		98
28) bis(2-Chloroethoxy)methane	7.90	93	21313	2.145	ng	#	97
29) 2,4-Dichlorophenol	8.00	162	14797	2.169	ng		95
30) 1,2,4-Trichlorobenzene	8.09	180	15265	2.238	ng		98
36) 4-Chloro-3-methylphenol	8.69	107	16029	2.091	ng		99
56) 2,4-Dinitrotoluene	10.09	165	10122	2.088	ng	#	93
60) 4-Chlorophenyl-phenylether	10.45	204	17019	2.489	ng		94

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

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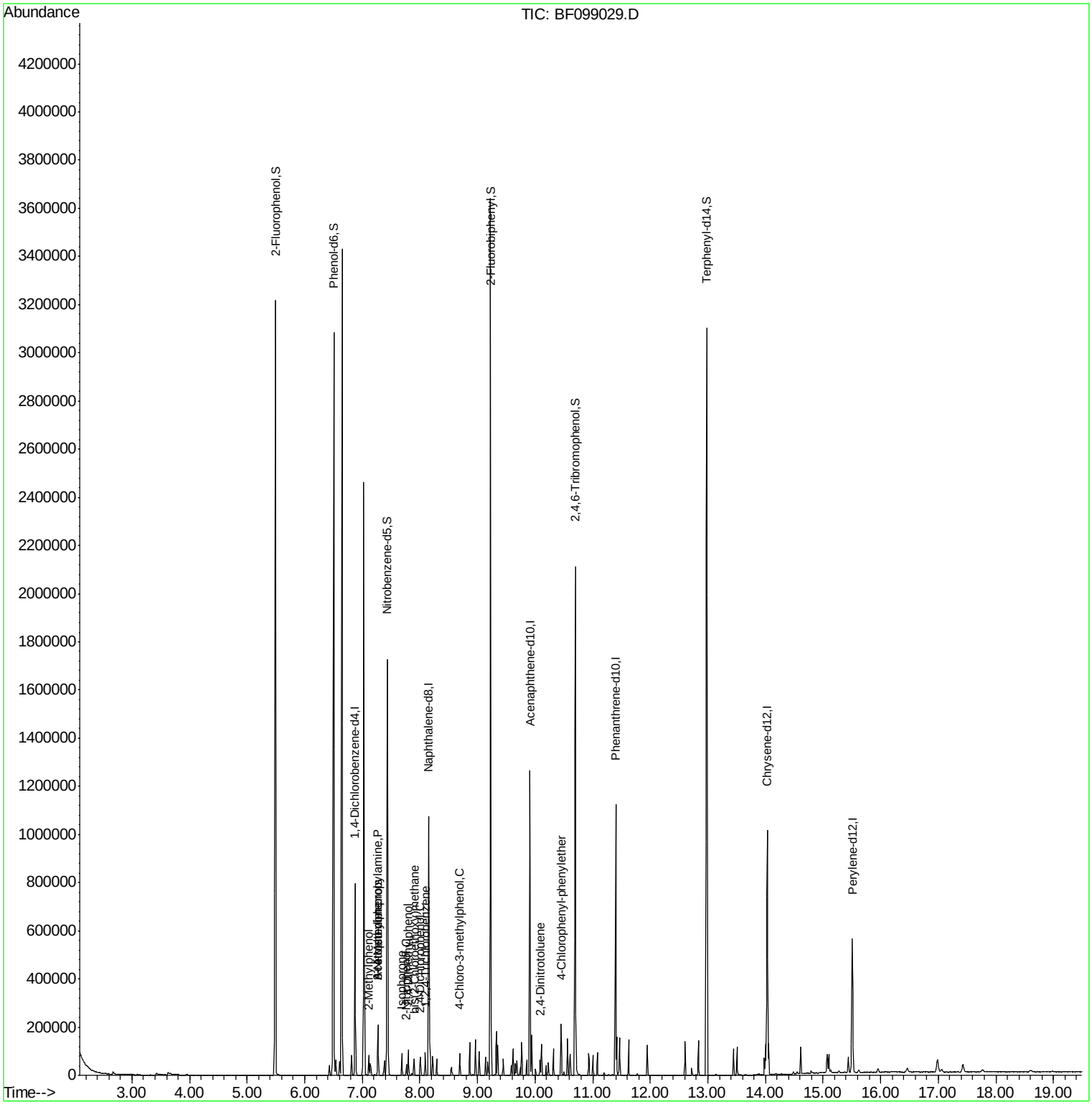
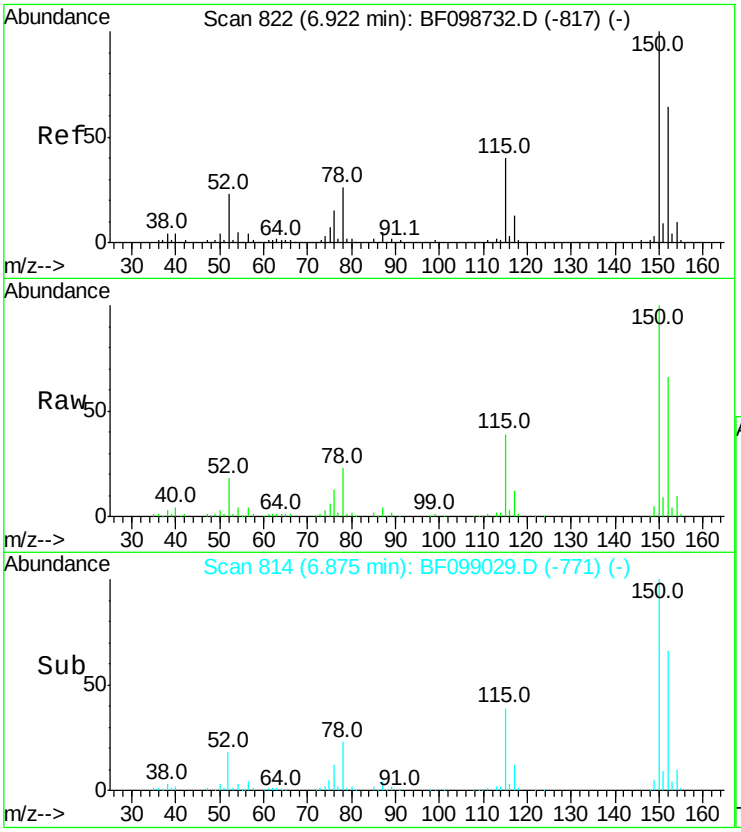


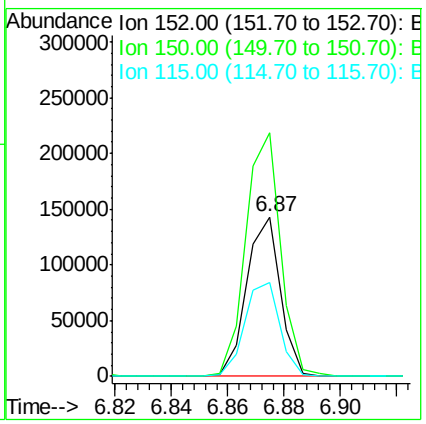


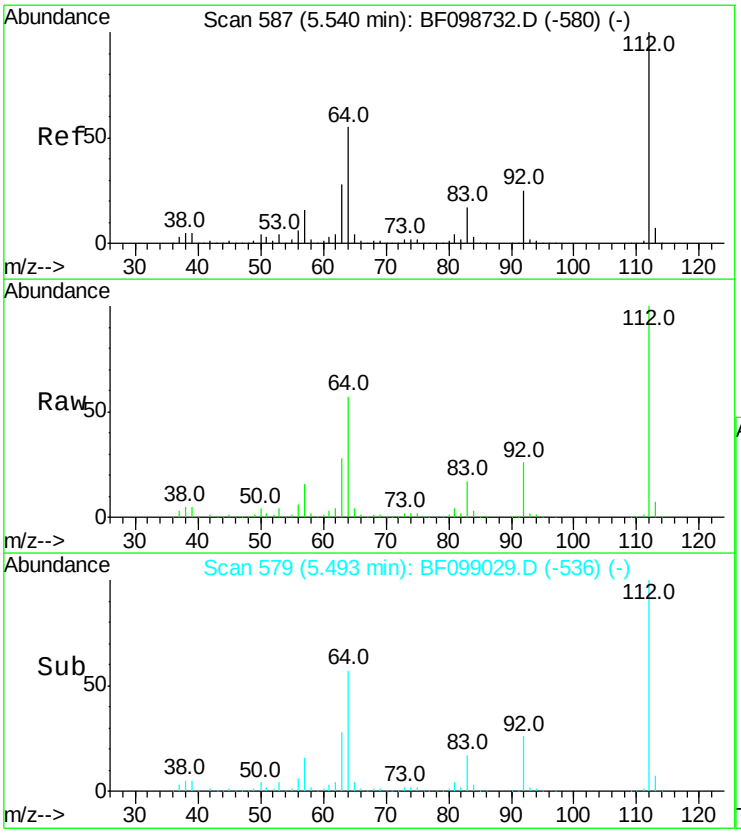
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.05 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT4-2017

Tgt Ion:152 Resp: 118711

Ion	Ratio	Lower	Upper
152	100		
150	152.6	124.6	186.8
115	59.1	50.1	75.1

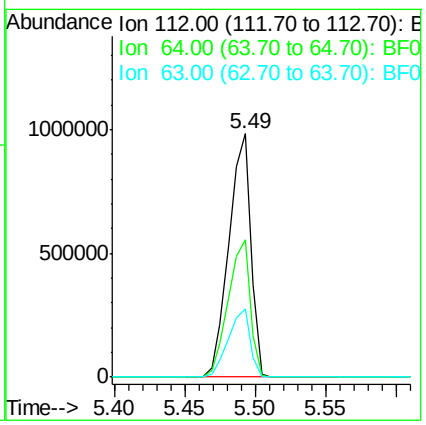


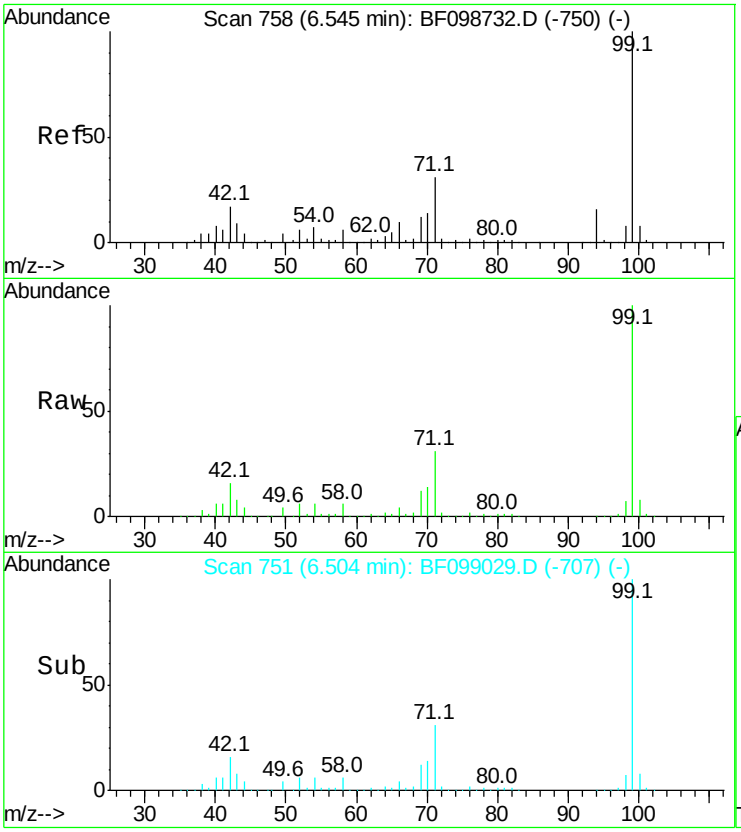


#5
2-Fluorophenol
Concen: 142.790 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.05 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Tgt Ion:112 Resp: 1064811

Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.9	71.9
63	27.8	23.7	35.5



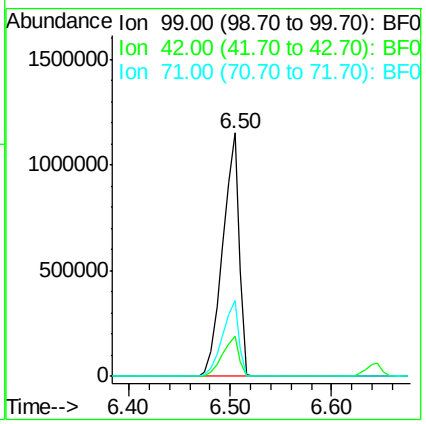


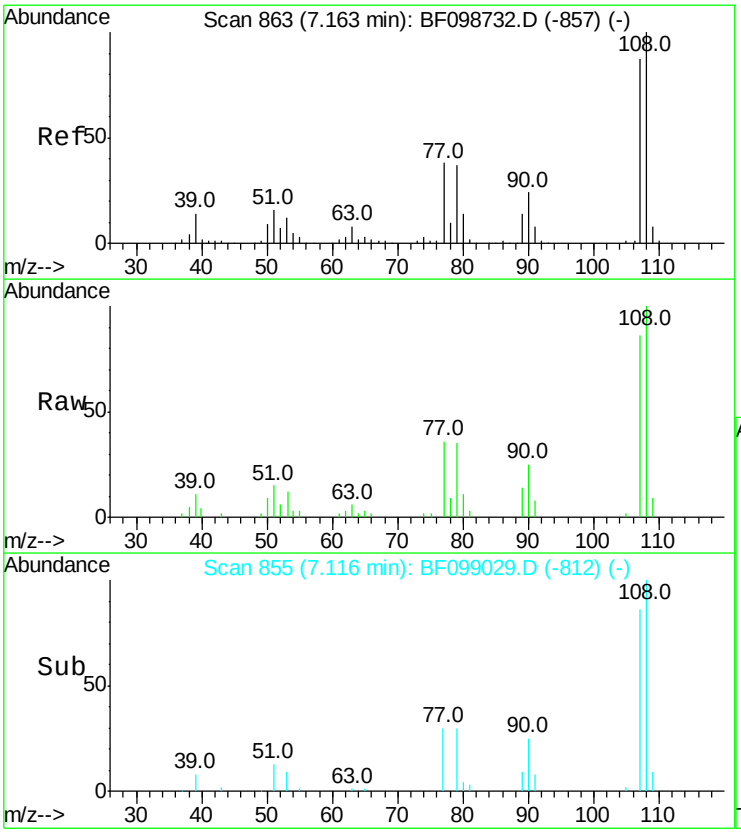
#7
Phenol-d6
Concen: 140.359 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.04 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT4-2017

Tgt Ion: 99 Resp: 1291205

Ion	Ratio	Lower	Upper
99	100		
42	16.4	14.5	21.7
71	31.2	25.4	38.0

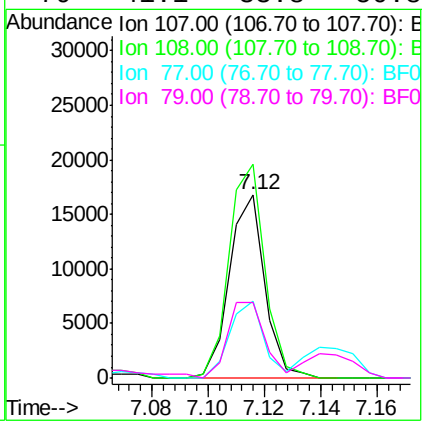


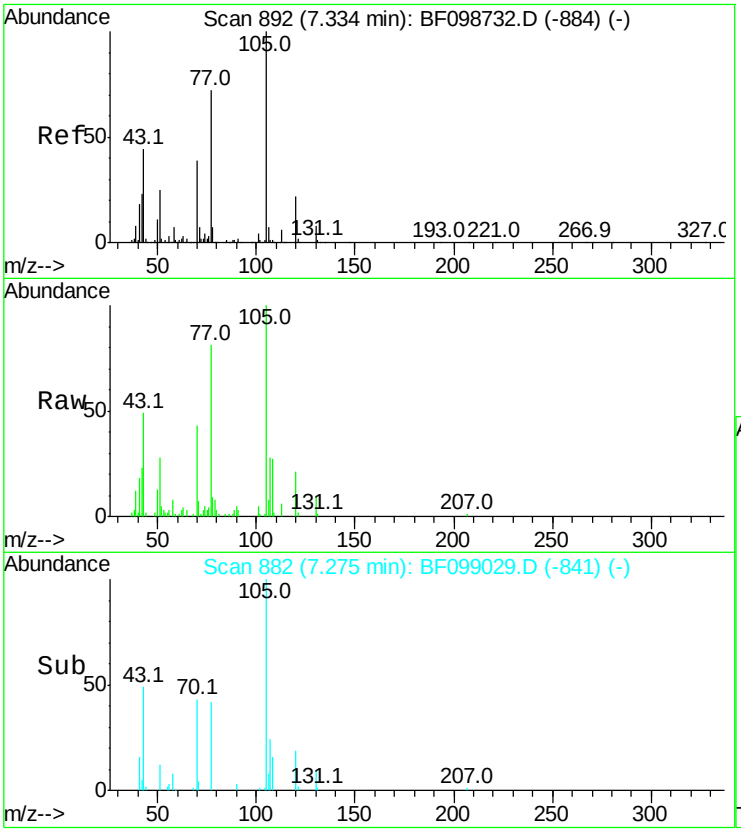


#17
2-Methylphenol
Concen: 2.108 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.05 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Tgt Ion:107 Resp: 14566

Ion	Ratio	Lower	Upper
107	100		
108	116.5	91.7	137.5
77	42.1	33.8	50.8
79	41.1	33.8	50.8



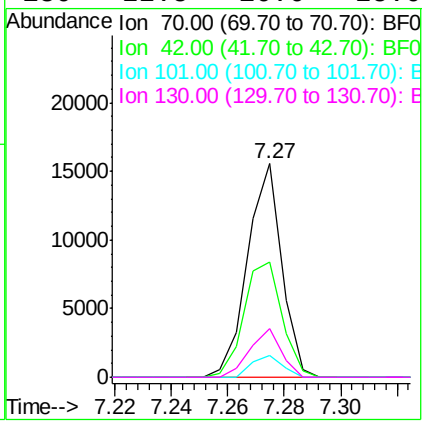


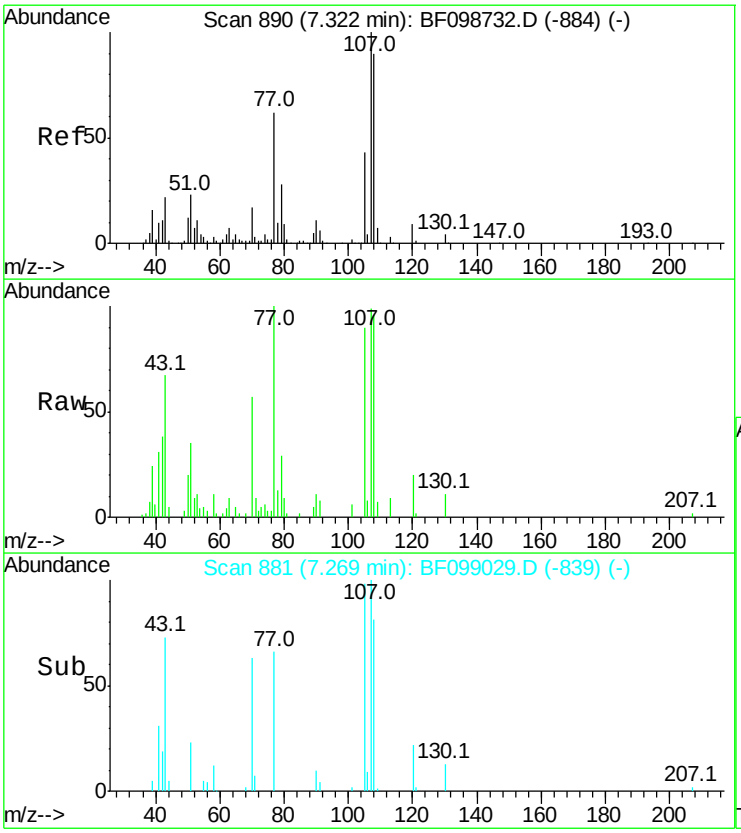
#19
n-Nitroso-di-n-propylamine
Concen: 2.228 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.06 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT4-2017

Tgt Ion: 70 Resp: 13084

Ion	Ratio	Lower	Upper
70	100		
42	54.1	47.5	71.3
101	10.5	7.4	11.2
130	22.5	16.6	25.0

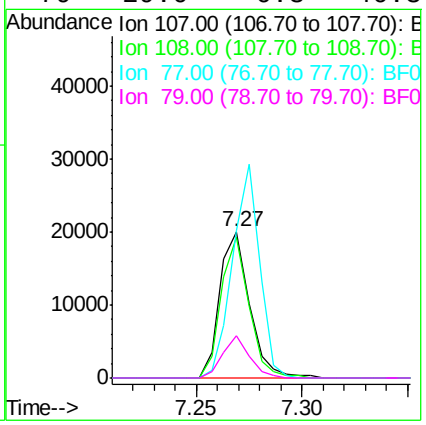


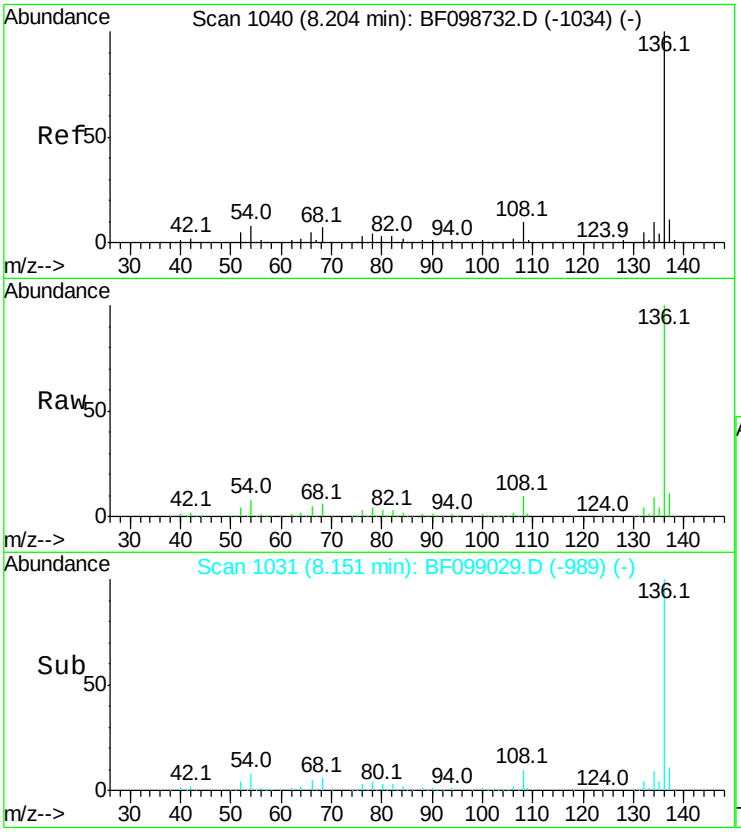


#20
3+4-Methylphenols
Concen: 2.232 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.05 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Tgt Ion:107 Resp: 19512

Ion	Ratio	Lower	Upper
107	100		
108	96.2	68.2	108.2
77	100.5	26.7	66.7#
79	29.0	6.3	46.3



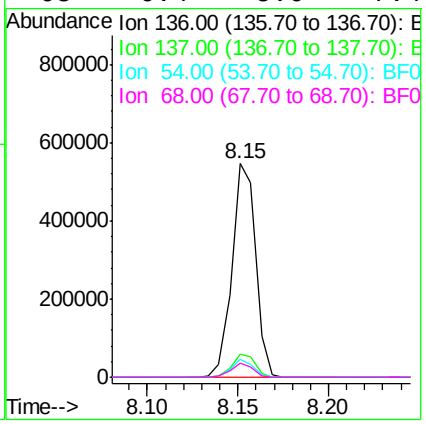


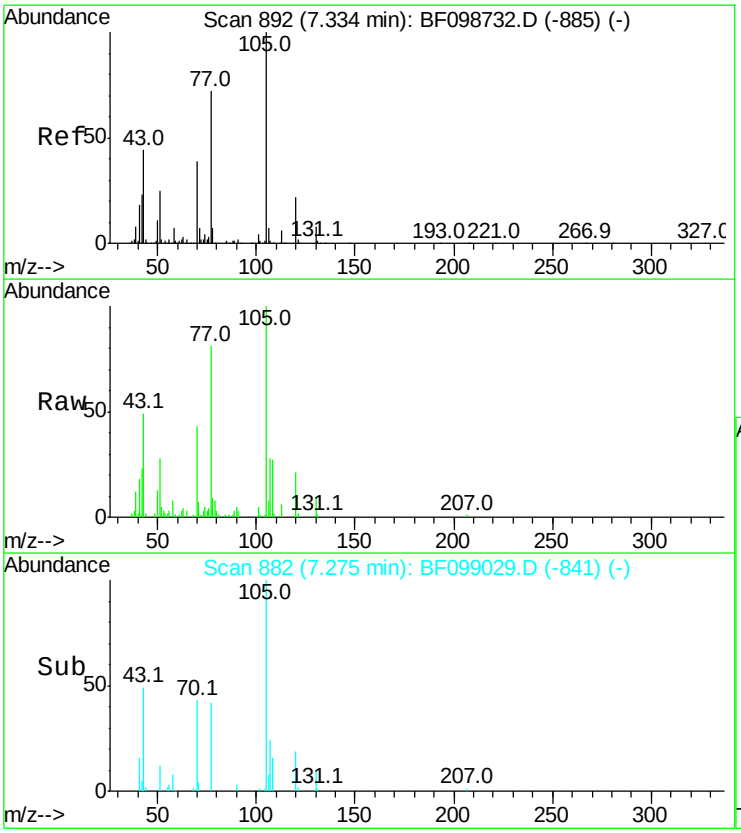
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.05 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT4-2017

Tgt Ion:136 Resp: 494575

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.2	6.6	9.8
68	6.4	5.0	7.4

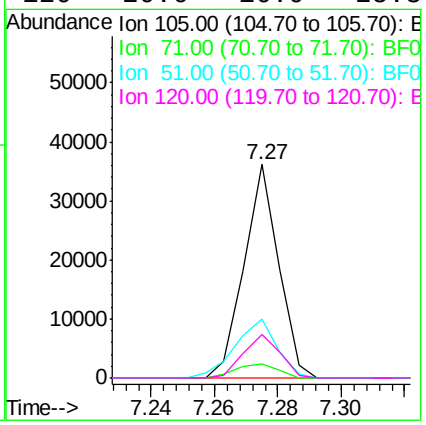


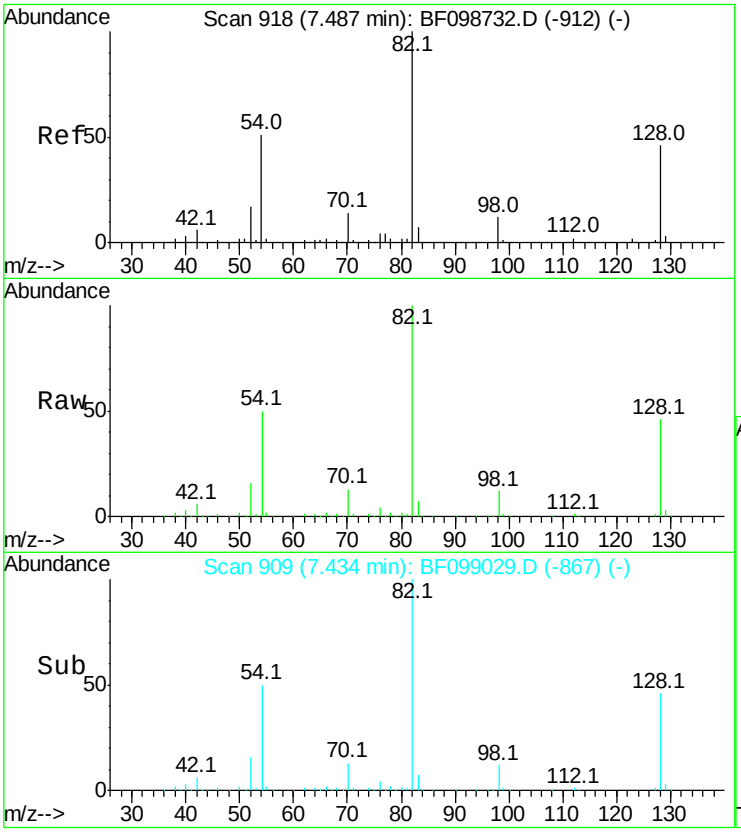


#22
Acetophenone
Concen: 2.282 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.06 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Tgt Ion:105 Resp: 27345

Ion	Ratio	Lower	Upper
105	100		
71	6.7	4.4	6.6#
51	27.7	22.3	33.5
120	20.6	16.9	25.3



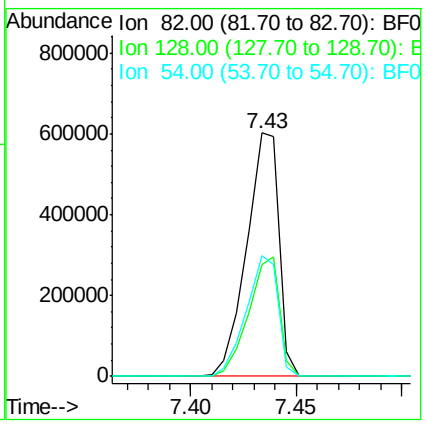


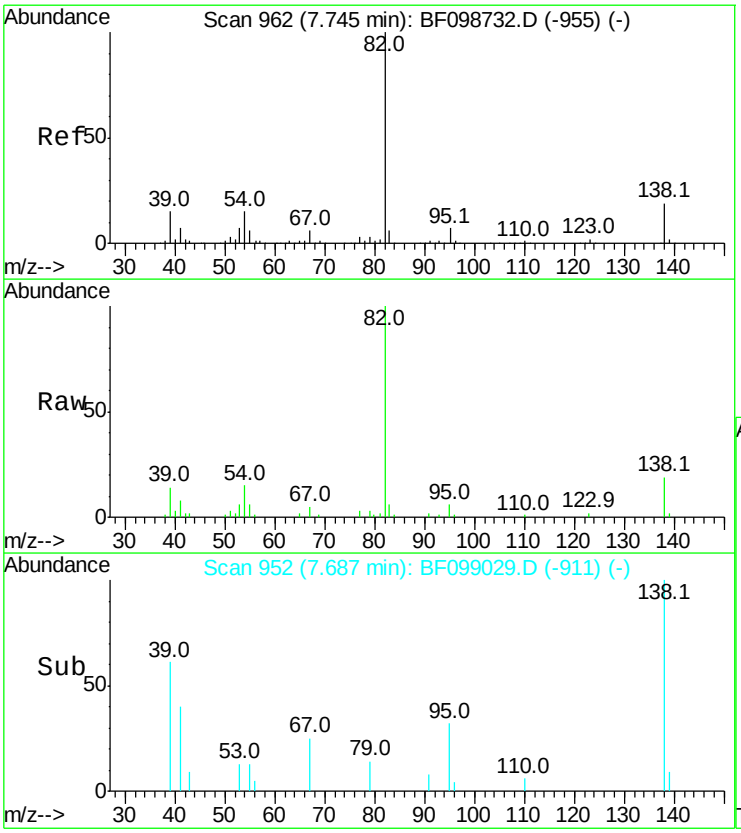
#23
Nitrobenzene-d5
Concen: 83.401 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.05 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT4-2017

Tgt Ion: 82 Resp: 643193

Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	49.8	41.4	62.2

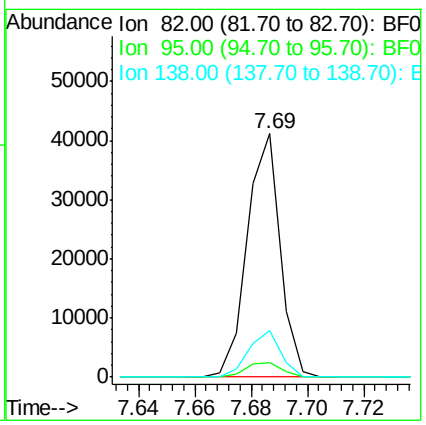


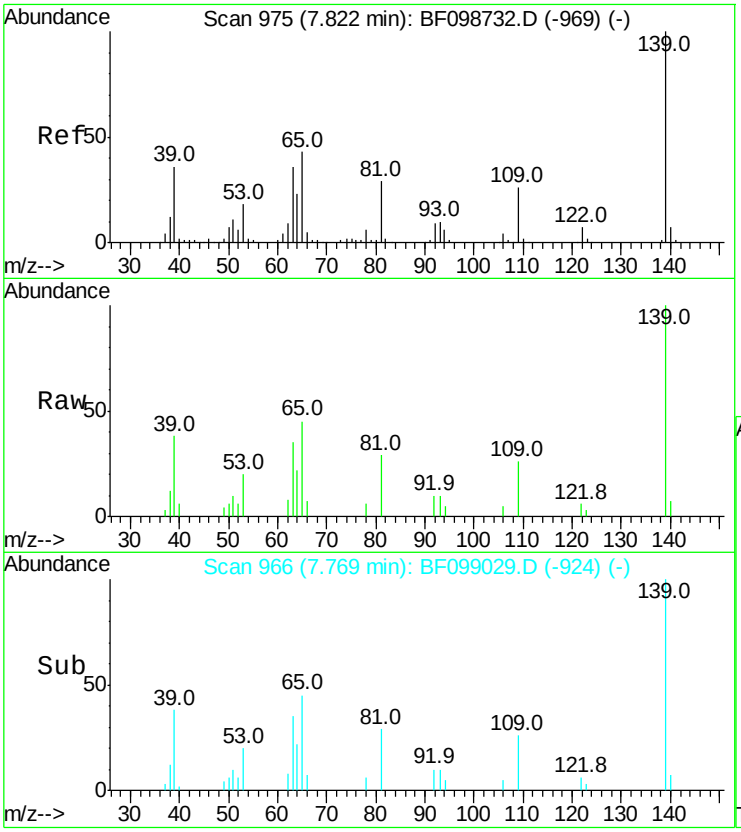


#25
Isophorone
Concen: 2.082 ng
RT: 7.69 min Scan# 952
Delta R.T. -0.06 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Tgt Ion: 82 Resp: 33201

Ion	Ratio	Lower	Upper
82	100		
95	6.2	5.2	7.8
138	19.1	14.9	22.3



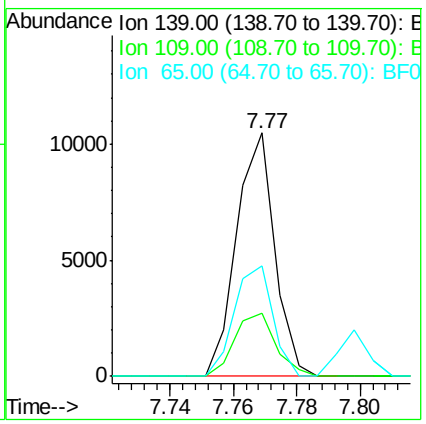


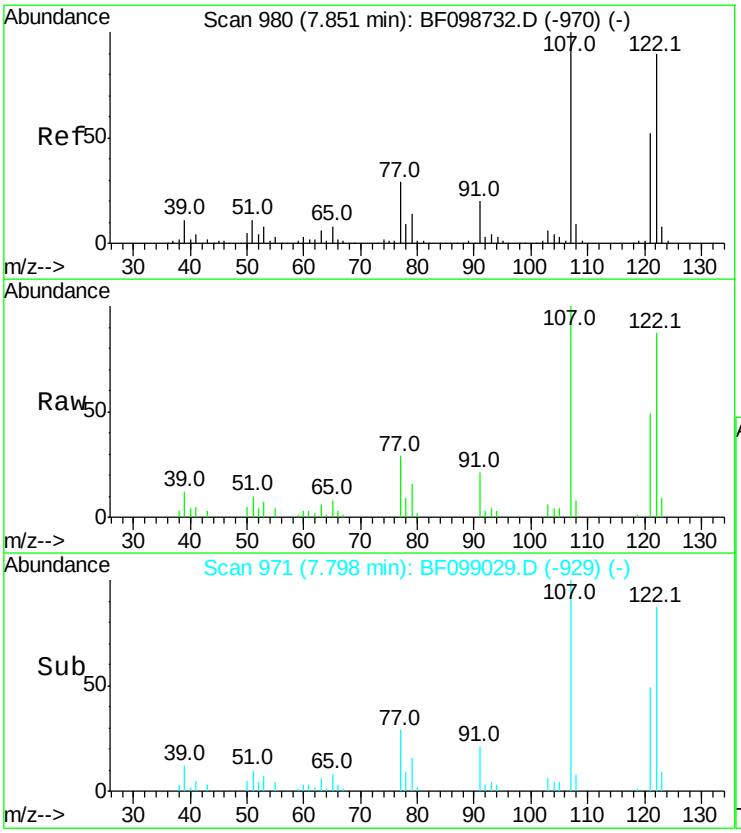
#26
2-Nitrophenol
Concen: 2.073 ng
RT: 7.77 min Scan# 966
Delta R.T. -0.05 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT4-2017

Tgt Ion:139 Resp: 8721

Ion	Ratio	Lower	Upper
139	100		
109	26.1	22.7	34.1
65	45.5	40.5	60.7

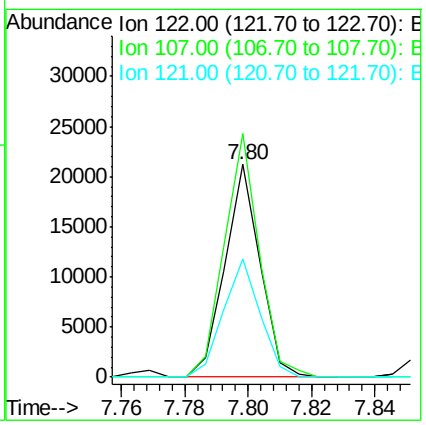


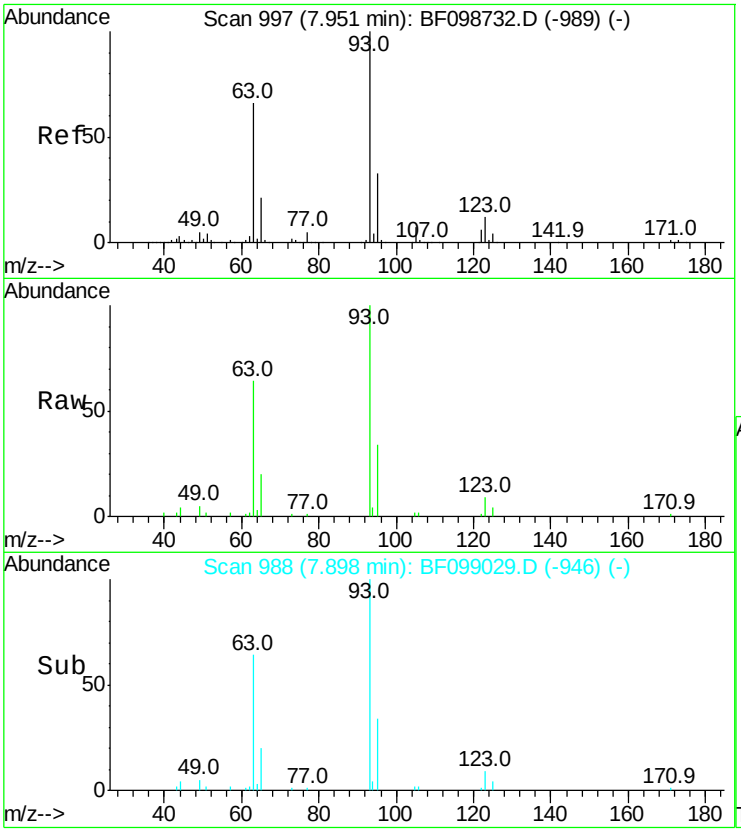


#27
2,4-Dimethylphenol
Concen: 2.039 ng
RT: 7.80 min Scan# 971
Delta R.T. -0.05 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Tgt Ion:122 Resp: 16201

Ion	Ratio	Lower	Upper
122	100		
107	114.4	91.2	136.8
121	55.6	47.2	70.8



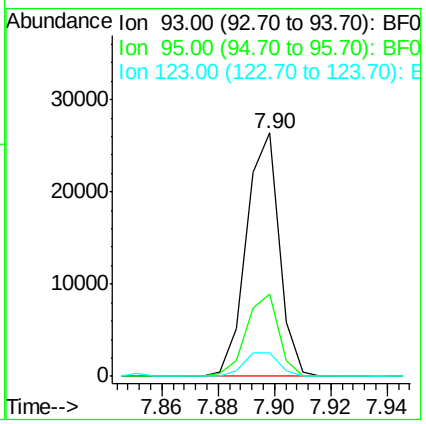


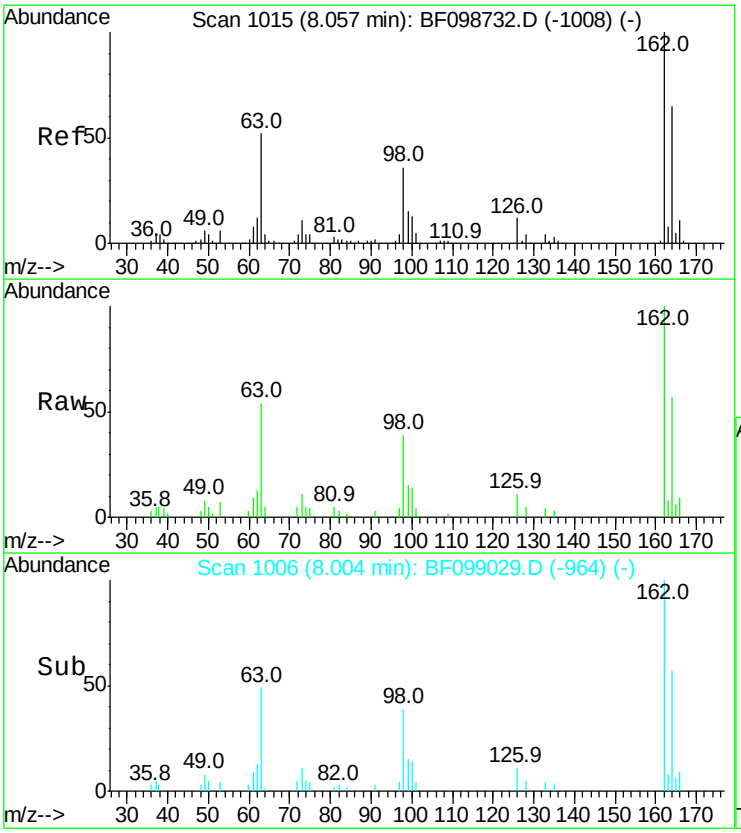
#28
bis(2-Chloroethoxy)methane
Concen: 2.145 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.05 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT4-2017

Tgt Ion: 93 Resp: 21313

Ion	Ratio	Lower	Upper
93	100		
95	33.7	26.3	39.5
123	9.5	9.8	14.6#

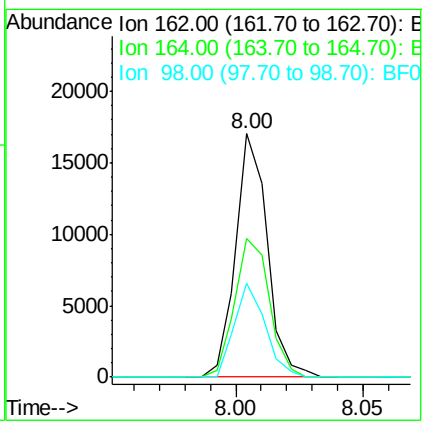


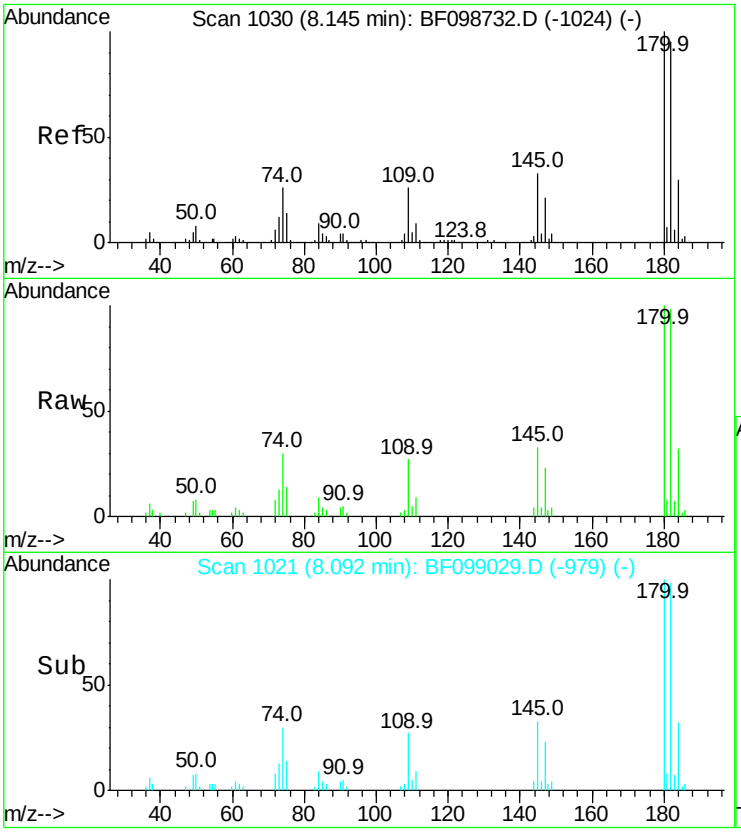


#29
2,4-Dichlorophenol
Concen: 2.169 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.05 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Tgt Ion:162 Resp: 14797

Ion	Ratio	Lower	Upper
162	100		
164	56.8	42.7	82.7
98	38.6	18.1	58.1



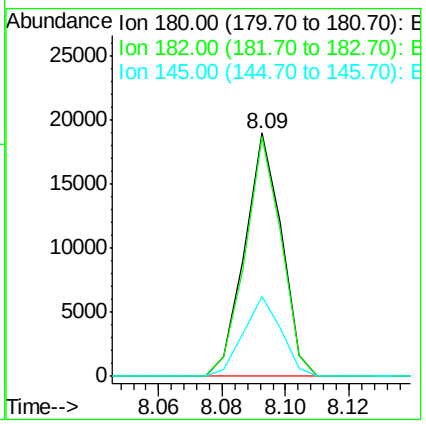


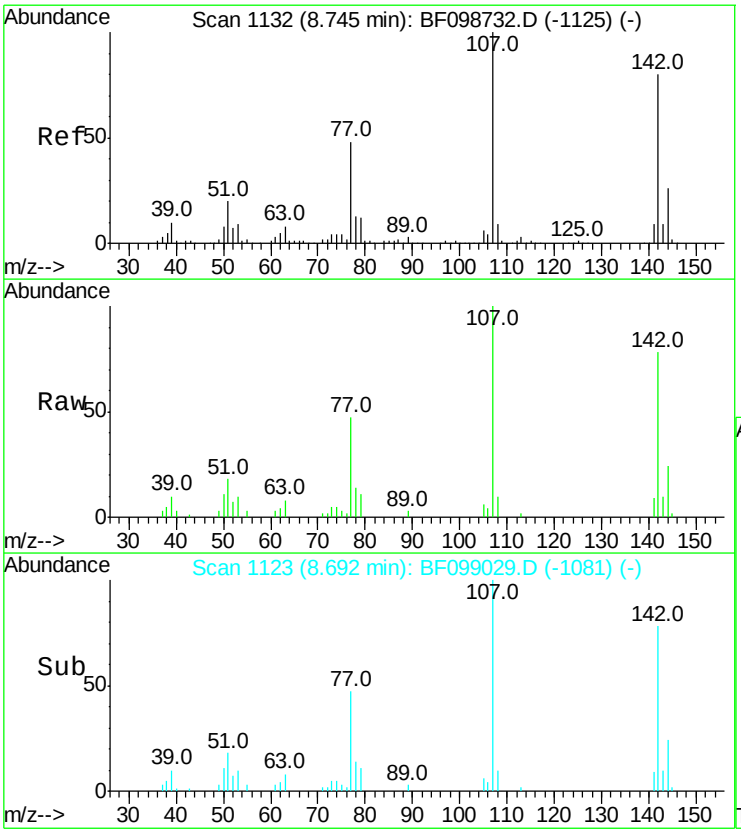
#30
1,2,4-Trichlorobenzene
Concen: 2.238 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.05 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT4-2017

Tgt Ion:180 Resp: 15265

Ion	Ratio	Lower	Upper
180	100		
182	98.4	76.8	115.2
145	32.6	26.5	39.7

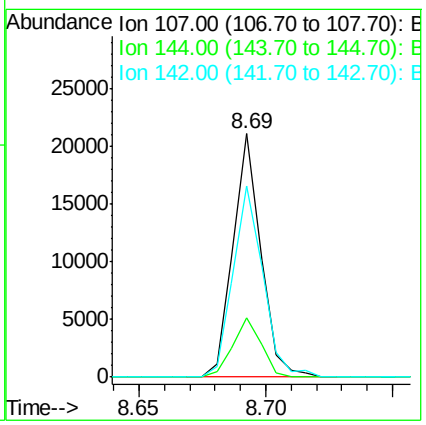


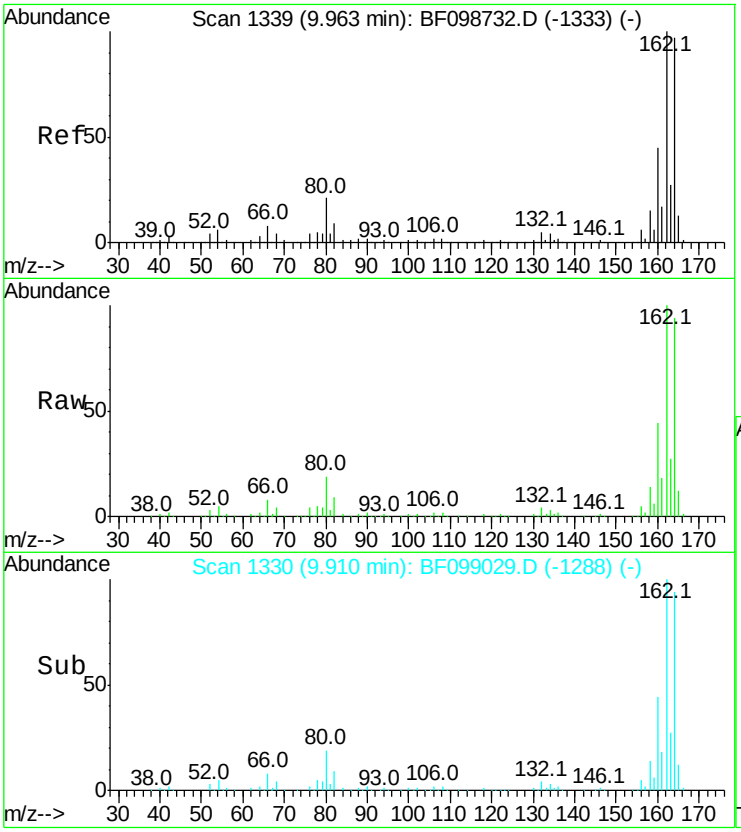


#36
4-Chloro-3-methylphenol
Concen: 2.091 ng
RT: 8.69 min Scan# 1123
Delta R.T. -0.05 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Tgt Ion:107 Resp: 16029

Ion	Ratio	Lower	Upper
107	100		
144	24.1	20.5	30.7
142	78.3	62.0	93.0



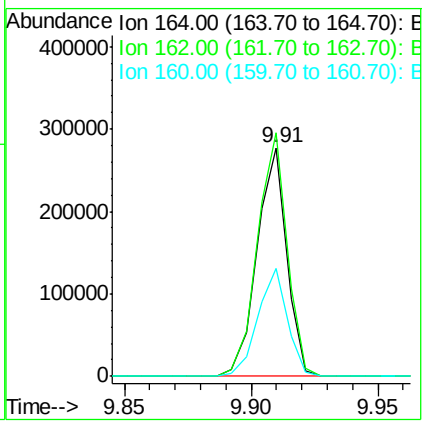


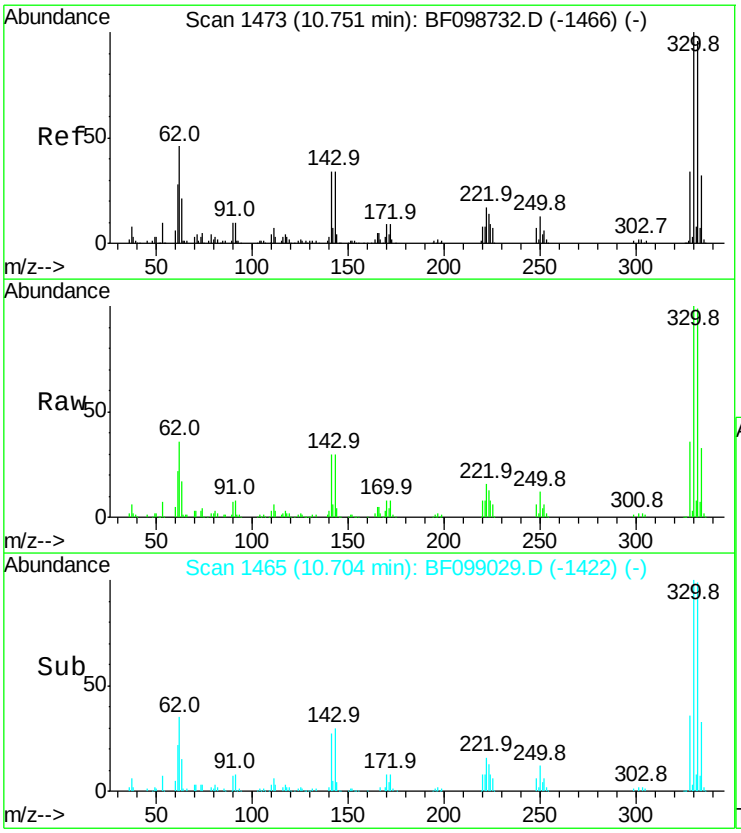
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.05 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT4-2017

Tgt Ion:164 Resp: 227310

Ion	Ratio	Lower	Upper
164	100		
162	106.6	86.1	129.1
160	47.3	38.3	57.5

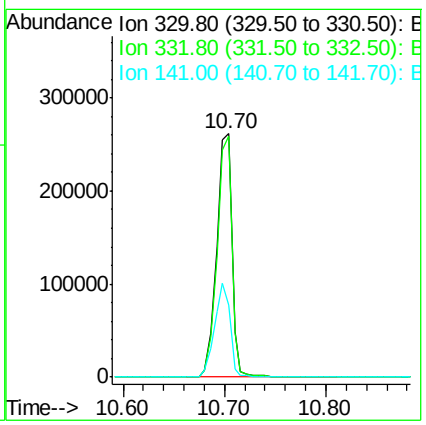


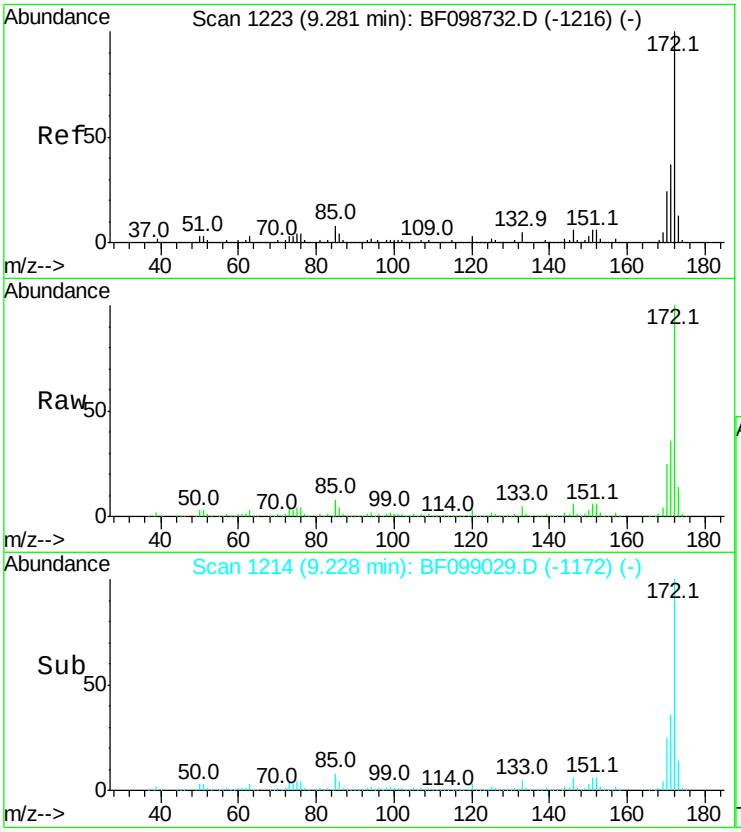


#41
2,4,6-Tribromophenol
Concen: 148.286 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.05 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Tgt Ion:330 Resp: 275813

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	38.8	29.9	44.9



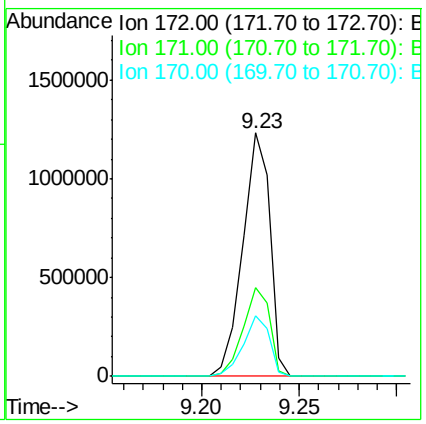


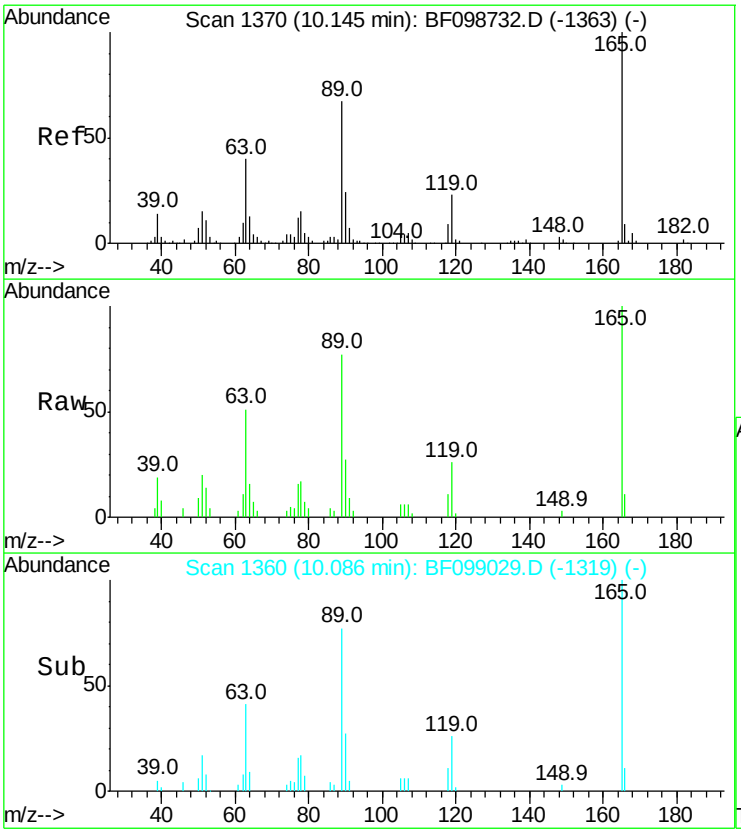
#44
2-Fluorobiphenyl
Concen: 87.080 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.05 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT4-2017

Tgt Ion:172 Resp: 1185697

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.7	19.6	29.4

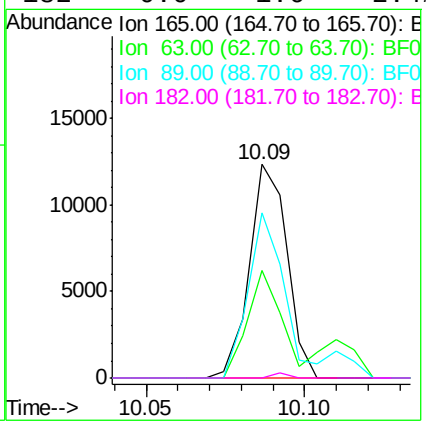


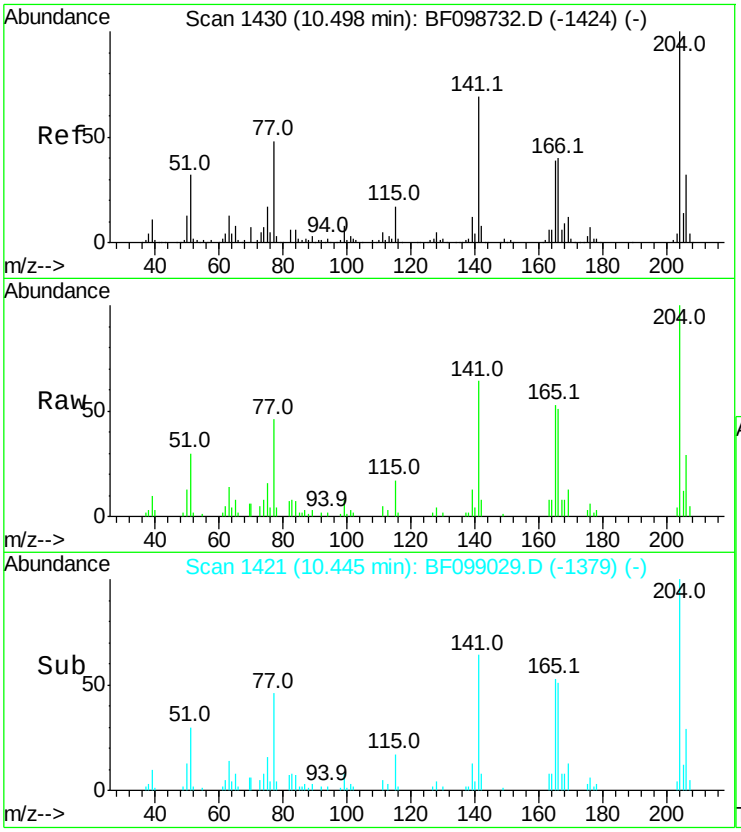


#56
2,4-Dinitrotoluene
Concen: 2.088 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.06 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Tgt Ion:165 Resp: 10122

Ion	Ratio	Lower	Upper
165	100		
63	50.5	36.4	54.6
89	77.1	57.8	86.6
182	0.0	1.6	2.4#



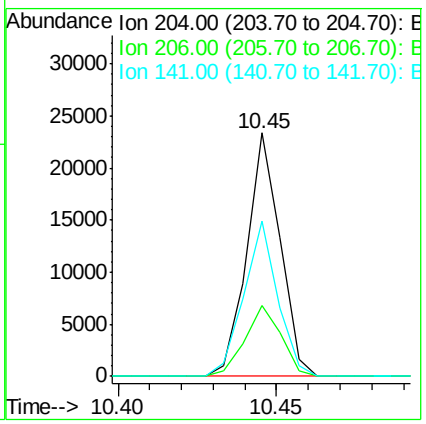


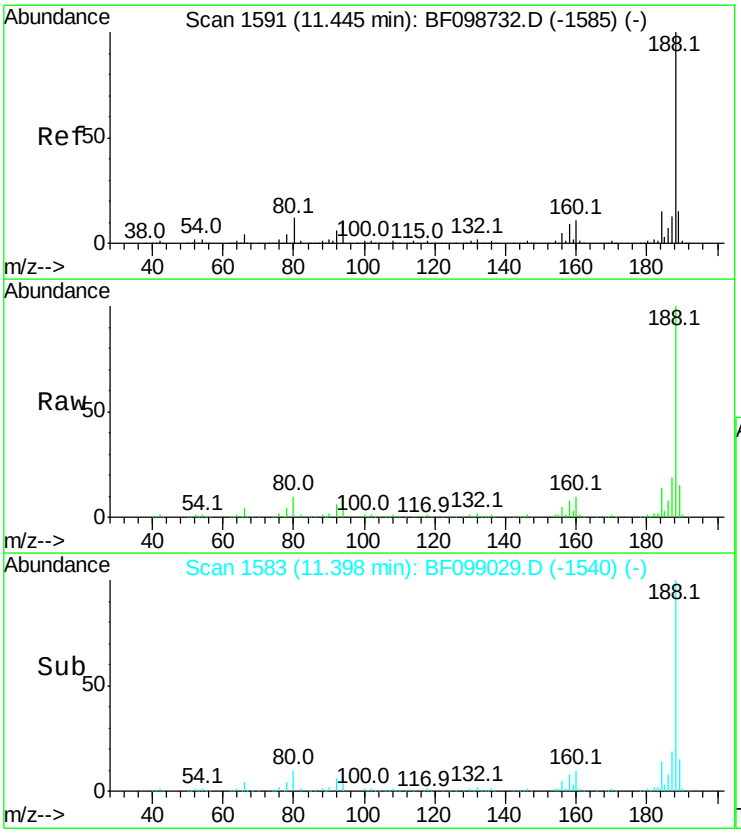
#60
4-Chlorophenyl-phenylether
Concen: 2.489 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.05 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT4-2017

Tgt Ion:204 Resp: 17019

Ion	Ratio	Lower	Upper
204	100		
206	29.2	26.5	39.7
141	63.6	54.6	81.8

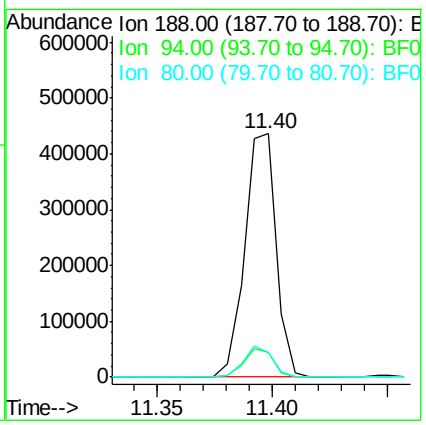


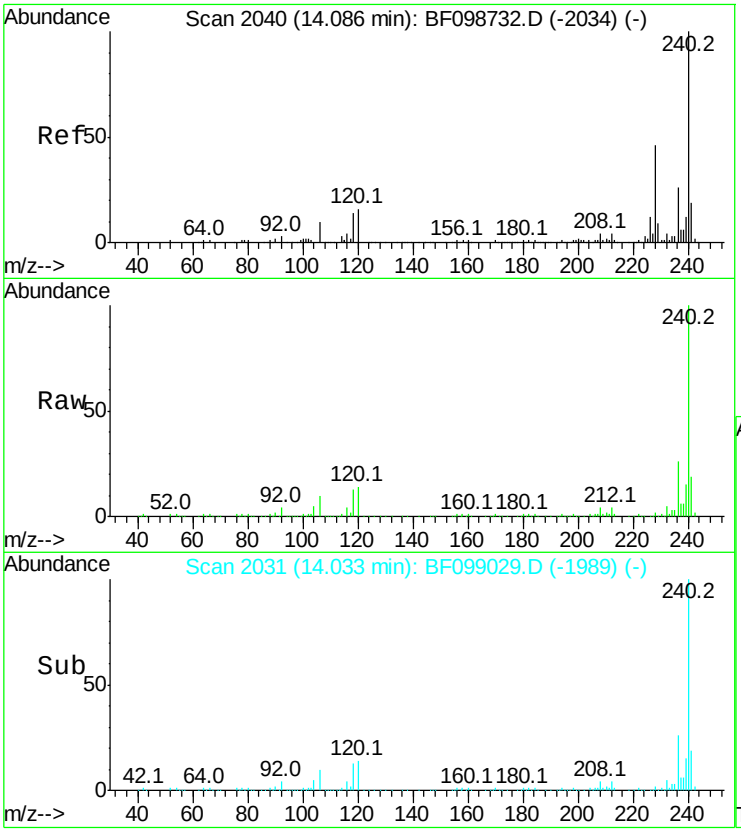


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.05 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Tgt Ion:188 Resp: 414069

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	10.3	9.2	13.8



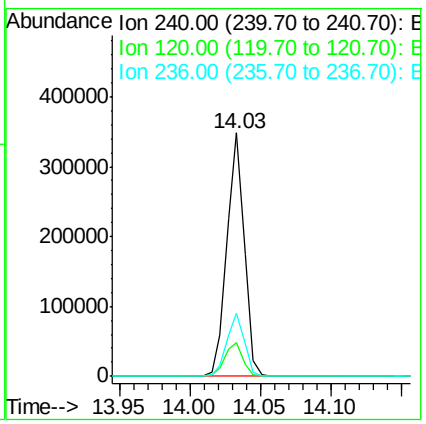


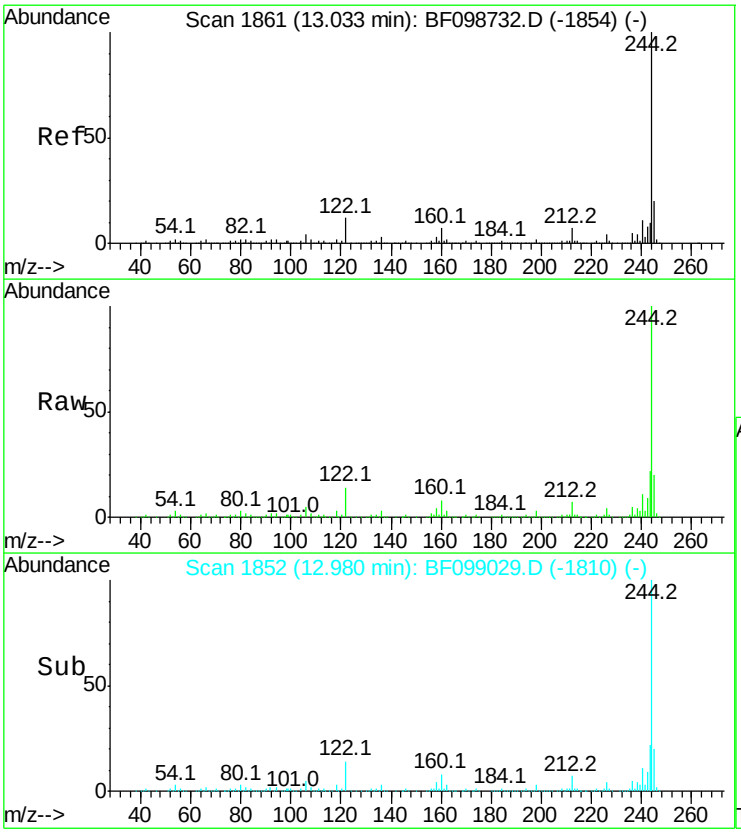
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.05 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT4-2017

Tgt Ion:240 Resp: 298628

Ion	Ratio	Lower	Upper
240	100		
120	13.9	9.5	14.3
236	26.0	20.7	31.1

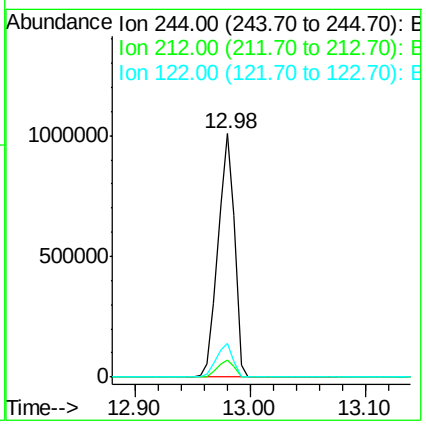


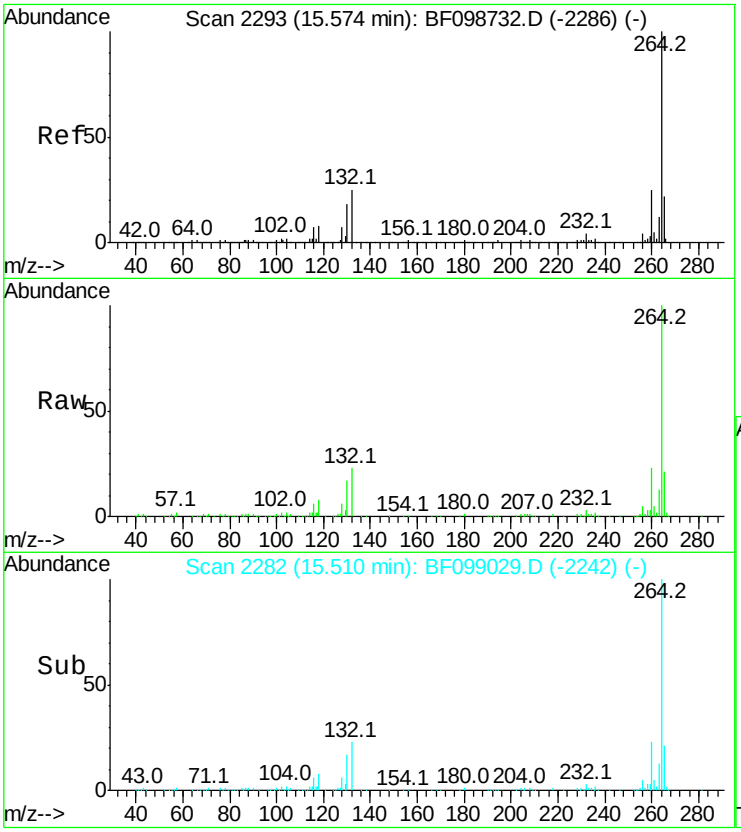


#78
Terphenyl-d14
Concen: 75.913 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.05 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Tgt Ion:244 Resp: 996822

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	14.0	11.0	16.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.06 min
Lab File: BF099029.D
Acq: 3 Oct 2017 14:09

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT4-2017

Tgt Ion:264 Resp: 240319

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.0	17.5	26.3