Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070617\
Data File : BE093430.D
Acq On : 6 Jul 2017 14:58
Operator : SJ/JU
Sample : I3757-05
Misc : LOD 0.1 PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOD-WATER-05-QT3-2017

Manual Integrations APPROVED
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Quant Time: Jul 07 07:04:52 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 03 06:40:23 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	4040	0.40	ng		0.00
7) Naphthalene-d8	10.72	136	22117	0.40	ng		0.00
13) Acenaphthene-d10	14.54	164	13636	0.40	ng		0.00
19) Phenanthrene-d10	17.27	188	35122	0.40	ng		0.00
27) Chrysene-d12	21.43	240	37416	0.40	ng		0.00
34) Perylene-d12	23.94	264	32153	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.53	112	5106	0.42	ng		0.00
5) Phenol-d6	7.10	99	8020	0.45	ng		0.00
8) Nitrobenzene-d5	9.08	82	6272	0.44	ng		0.00
11) 2-Methylnaphthalene-d10	12.31	152	16908	0.48	ng		0.00
14) 2,4,6-Tribromophenol	16.03	330	1351	0.32	ng		0.00
15) 2-Fluorobiphenyl	13.18	172	22996	0.43	ng		0.00
25) Fluoranthene-d10	19.29	212	194424	0.46	ng		0.00
29) Terphenyl-d14	19.88	244	29415	0.44	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.45	88	858	0.100	ng	#	89
3) n-Nitrosodimethylamine	3.78	42	353	0.181	ng	#	93
6) bis(2-Chloroethyl)ether	7.35	93	1282	0.095	ng	#	93
9) Naphthalene	10.77	128	22231	0.096	ng	#	74
10) Hexachlorobutadiene	11.08	225	798	0.091	ng		96
12) 2-Methylnaphthalene	12.38	142	3775	0.097	ng		95
16) Acenaphthylene	14.26	152	5122	0.090	ng	#	86
17) Acenaphthene	14.60	154	3889	0.093	ng		99
18) Fluorene	15.59	166	4996	0.087	ng	#	85
20) 4-Bromophenyl-phenylether	16.45	248	2017	0.105	ng	#	21
21) Hexachlorobenzene	16.58	284	2065	0.099	ng	#	100
22) Pentachlorophenol	16.91	266	295	0.062	ng	#	81
23) Phenanthrene	17.30	178	12139	0.095	ng		98
24) Anthracene	17.40	178	6470m	0.083	ng		
26) Fluoranthene	19.32	202	10587	0.088	ng		99
28) Pyrene	19.68	202	10616	0.101	ng	#	98
30) Benzo(a)anthracene	21.40	228	9845	0.097	ng		93
31) Chrysene	21.46	228	10063	0.095	ng		93
32) Bis(2-ethylhexyl)phthalate	21.33	149	14855	0.102	ng	#	66
33) Indeno(1,2,3-cd)pyrene	26.59	276	9189	0.099	ng		95
35) Benzo(b)fluoranthene	23.17	252	9410m	0.091	ng		
36) Benzo(k)fluoranthene	23.22	252	9186	0.089	ng		96
37) Benzo(a)pyrene	23.83	252	8502	0.093	ng	#	91
38) Dibenzo(a,h)anthracene	26.61	278	8152	0.092	ng		97
39) Benzo(g,h,i)perylene	27.39	276	8396	0.094	ng		95

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

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QLast Update : Mon Jul 03 06:40:23 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
LOD-WATER-05-QT3-2017

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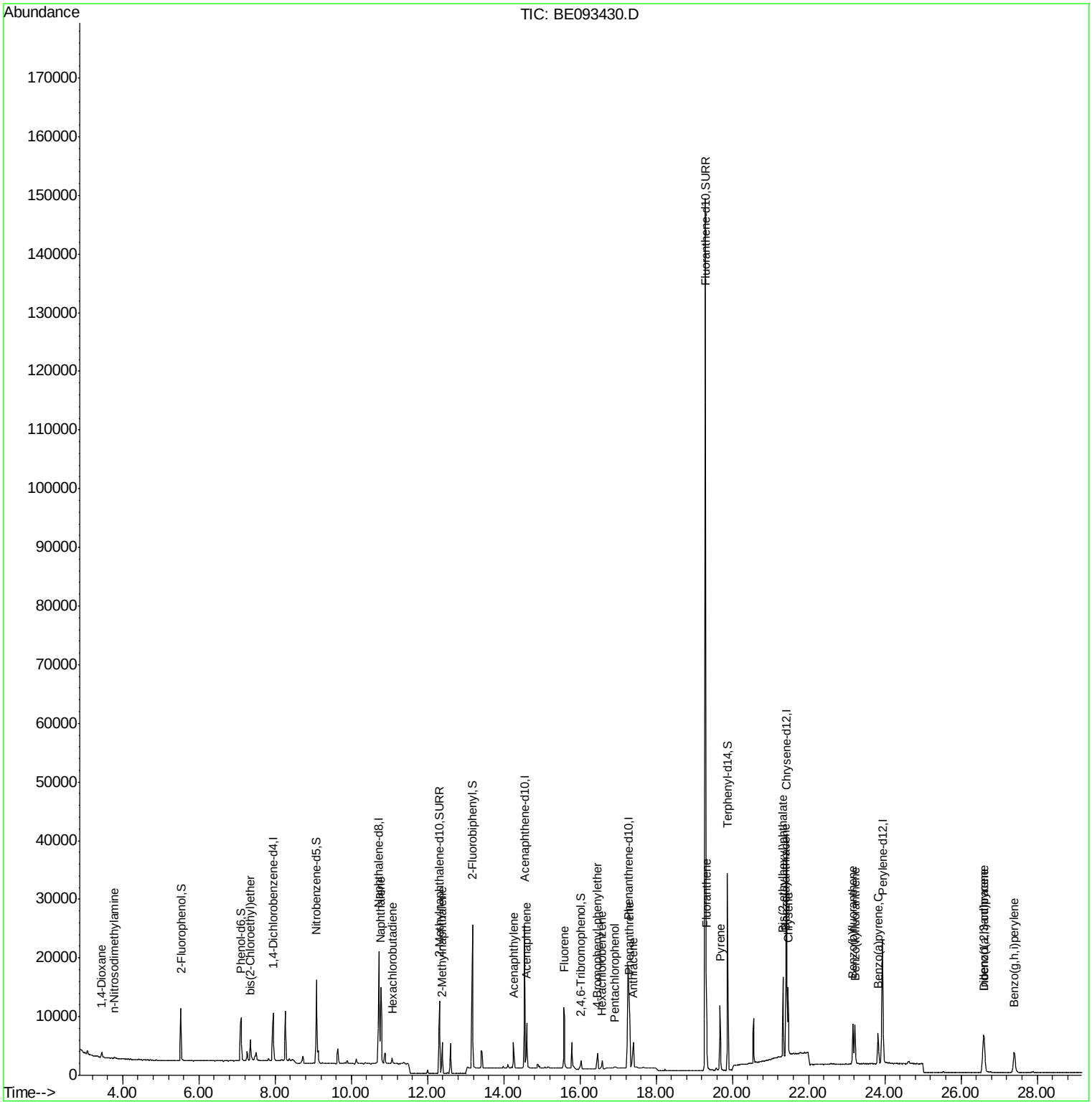
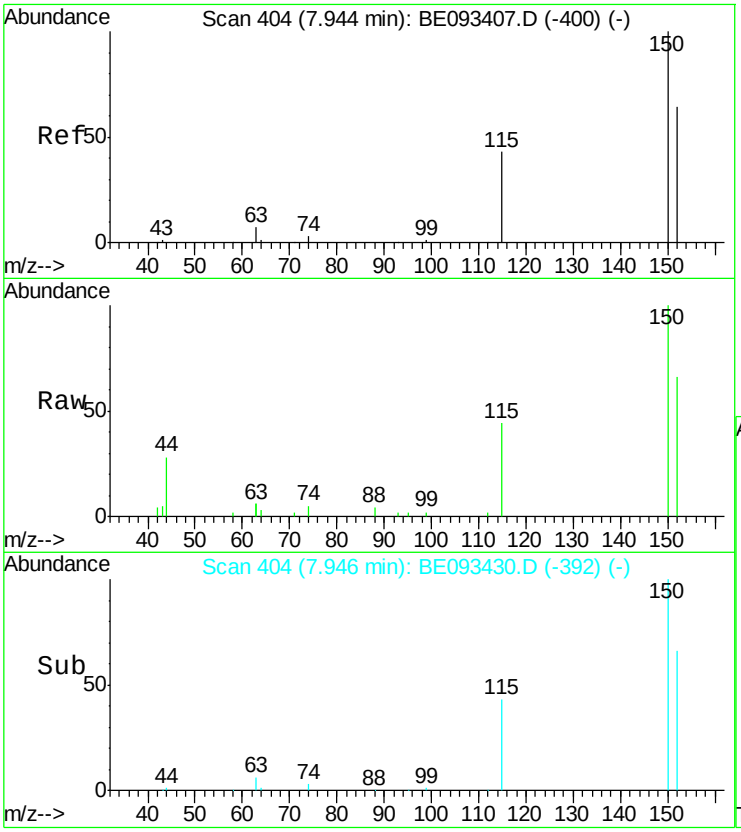
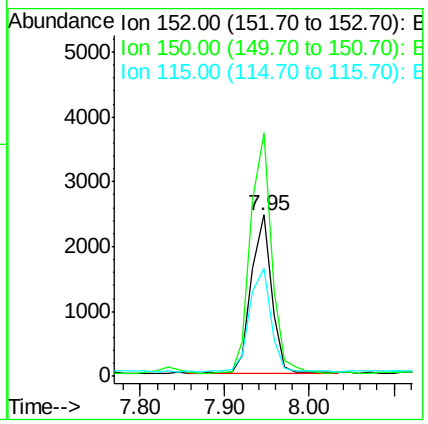




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.95 min Scan# 404
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:152 Resp: 4040

Ion	Ratio	Lower	Upper
152	100		
150	150.9	125.1	187.7
115	66.9	55.7	83.5



Instrument :
BNA_E
ClientSampleId :
LOD-WATER-05-QT3-2017

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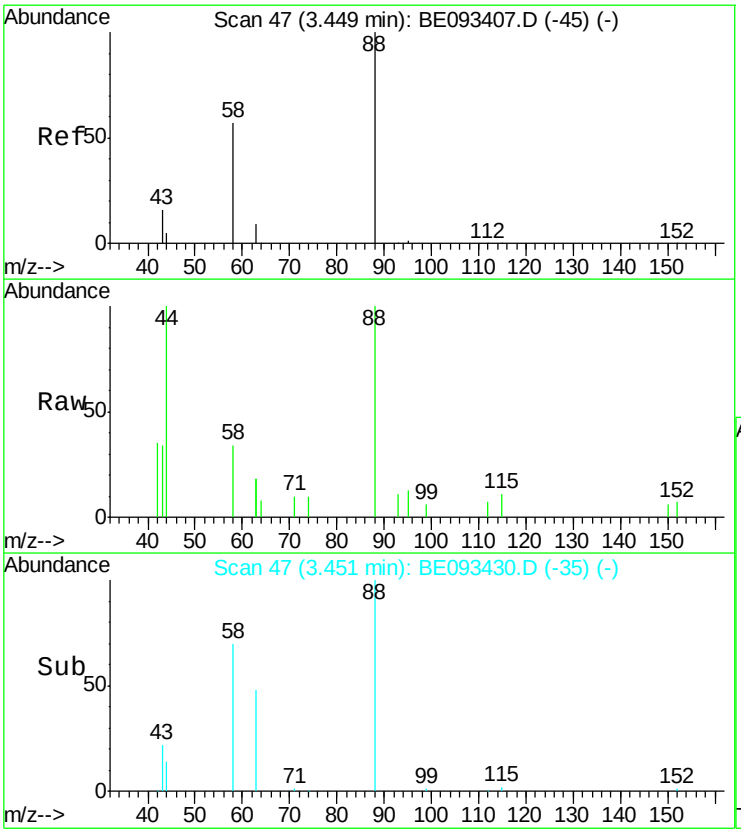
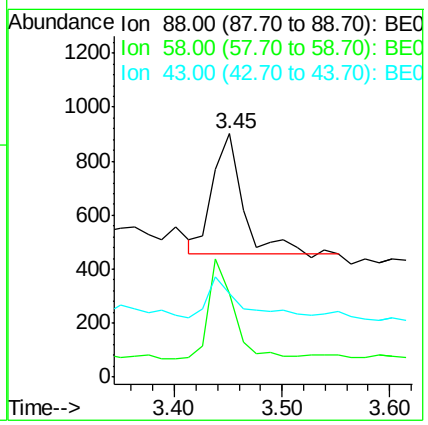
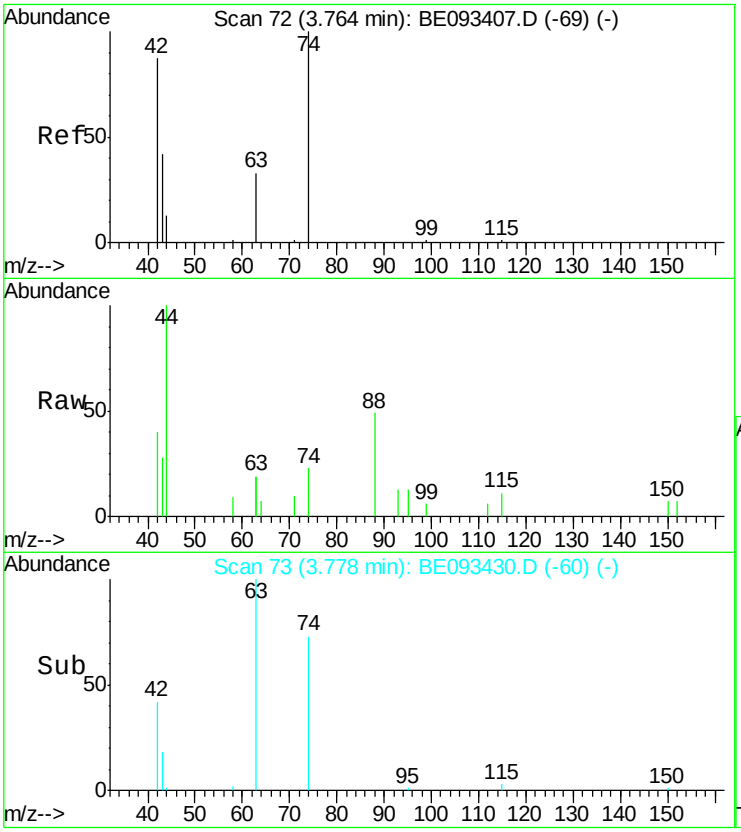


#2
1,4-Dioxane
Concen: 0.100 ng
RT: 3.45 min Scan# 47
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion: 88 Resp: 858

Ion	Ratio	Lower	Upper
88	100		
58	69.7	62.2	93.4
43	36.4	23.2	34.8#





#3
n-Nitrosodimethylamine
Concen: 0.181 ng
RT: 3.78 min Scan# 73
Delta R.T. 0.02 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion: 42 Resp: 353

Ion	Ratio	Lower	Upper
42	100		
74	117.8	99.1	148.7
44	0.0	7.4	11.2#

Instrument :
BNA_E
ClientSampleId :
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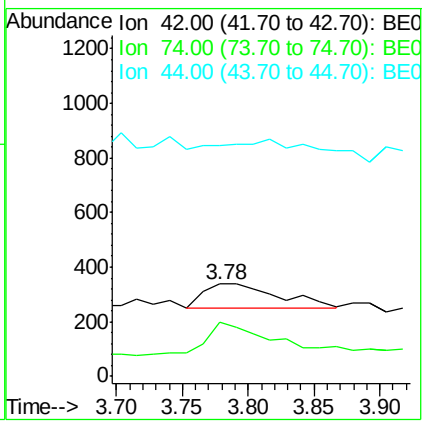
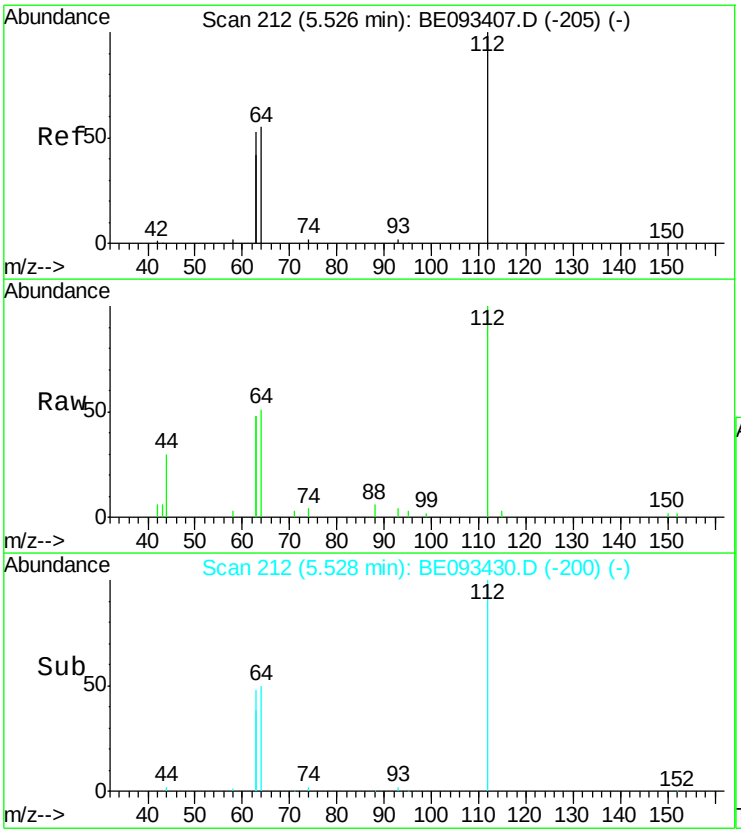
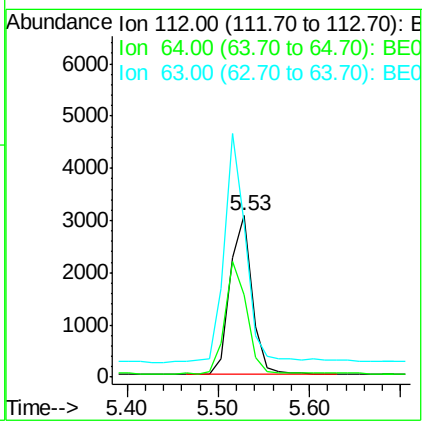


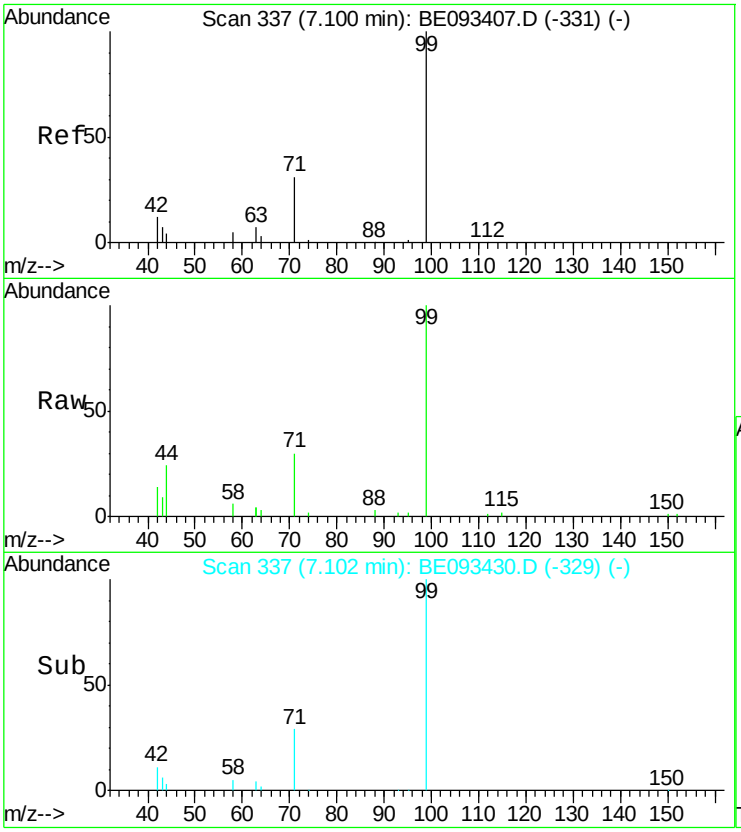


#4
2-Fluorophenol
Concen: 0.419 ng
RT: 5.53 min Scan# 212
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:112 Resp: 5106

Ion	Ratio	Lower	Upper
112	100		
64	70.6	56.4	84.6
63	139.8	29.3	43.9#





#5
Phenol-d6
Concen: 0.446 ng
RT: 7.10 min Scan# 337
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion: 99 Resp: 8020

Ion	Ratio	Lower	Upper
99	100		
42	17.6	0.0	0.0#
71	33.4	0.0	0.0#

Instrument :
BNA_E
ClientSampleId :
LOD-WATER-05-QT3-2017

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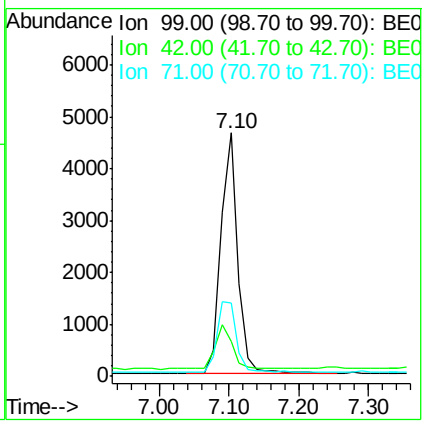
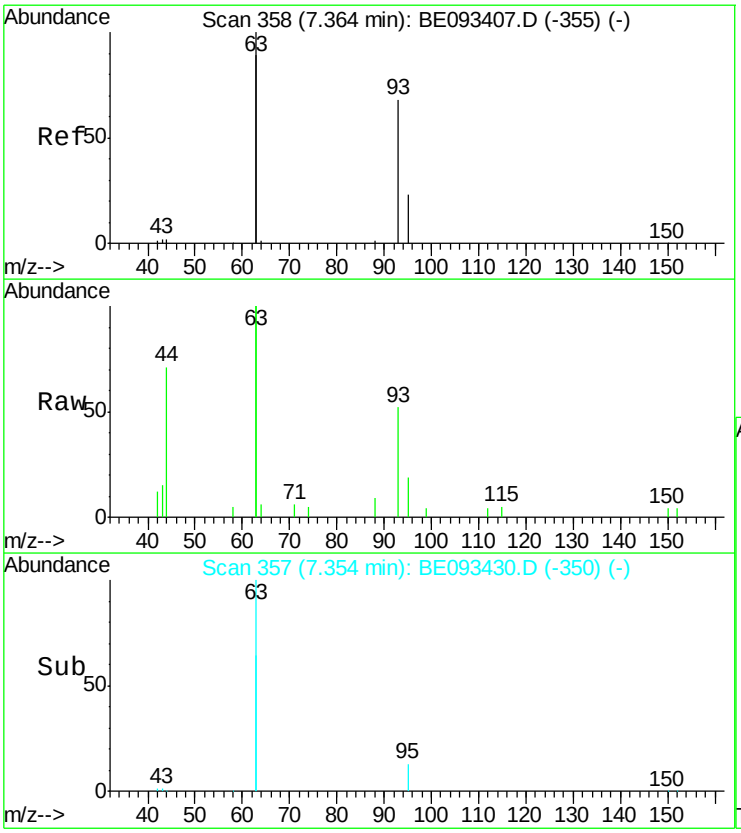
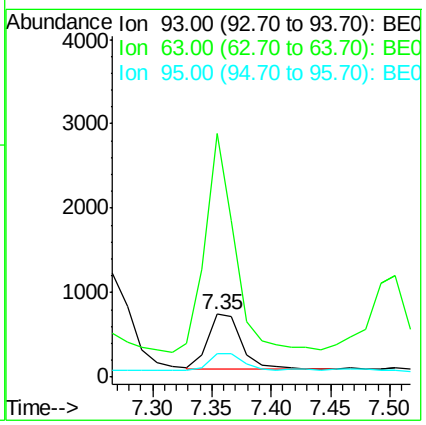


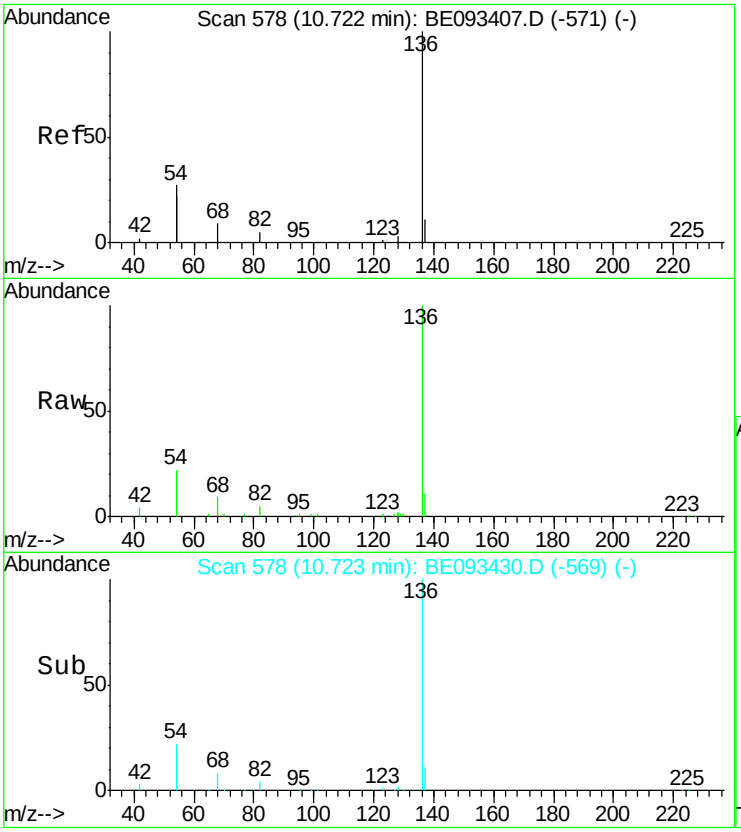


#6
bis(2-Chloroethyl)ether
Concen: 0.095 ng
RT: 7.35 min Scan# 357
Delta R.T. -0.01 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion: 93 Resp: 1282

Ion	Ratio	Lower	Upper
93	100		
63	348.4	0.0	0.0#
95	35.4	25.4	38.0

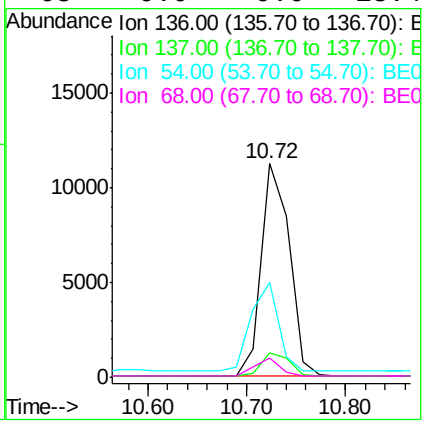




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.72 min Scan# 578
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:136 Resp: 22117

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.8	14.8
54	44.6	10.3	15.5#
68	9.0	9.0	13.4



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ClientSampleId :
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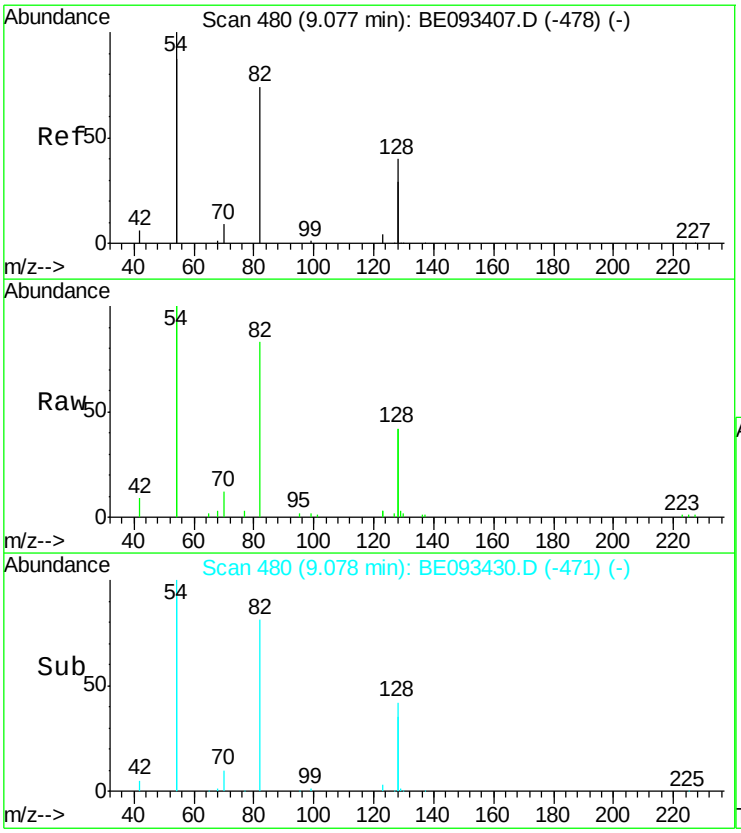
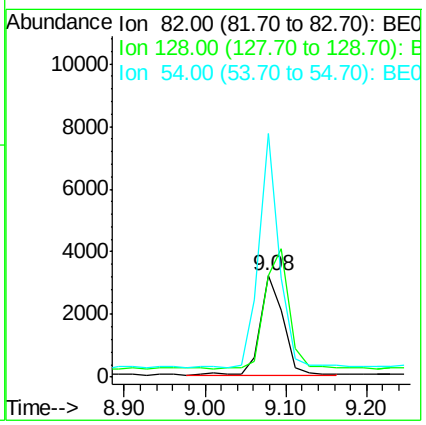
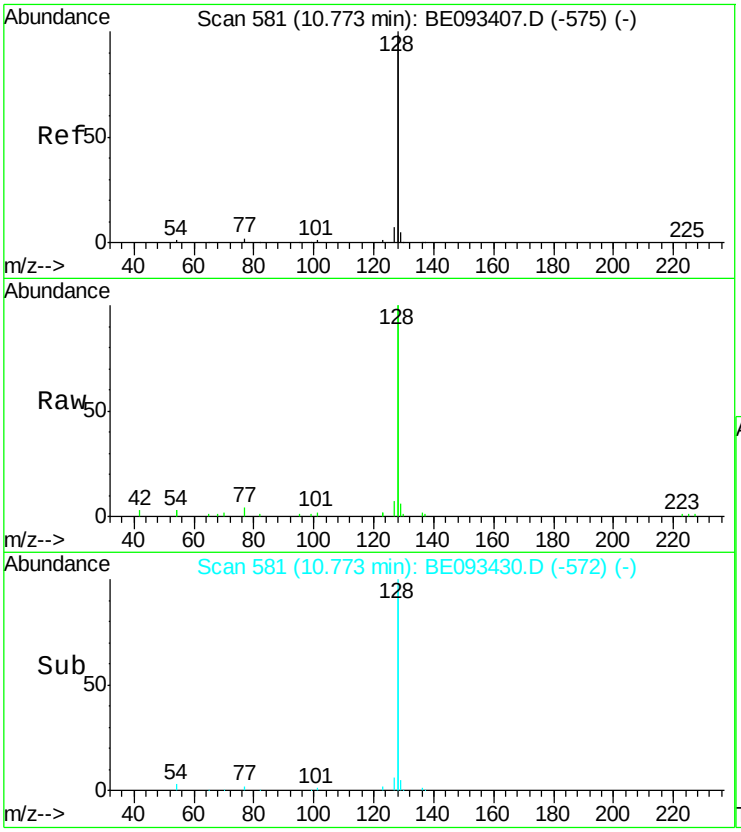


#8
Nitrobenzene-d5
Concen: 0.444 ng
RT: 9.08 min Scan# 480
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion: 82 Resp: 6272

Ion	Ratio	Lower	Upper
82	100		
128	100.4	17.0	25.4#
54	240.8	53.8	80.6#





#9
Naphthalene
Concen: 0.096 ng
RT: 10.77 min Scan# 581
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:128 Resp: 22231

Ion	Ratio	Lower	Upper
128	100		
129	3.1	11.4	17.0#
127	3.7	11.2	16.8#

Instrument :
BNA_E
ClientSampleId :
LOD-WATER-05-QT3-2017

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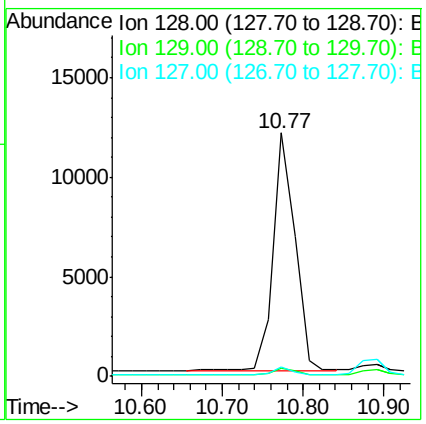
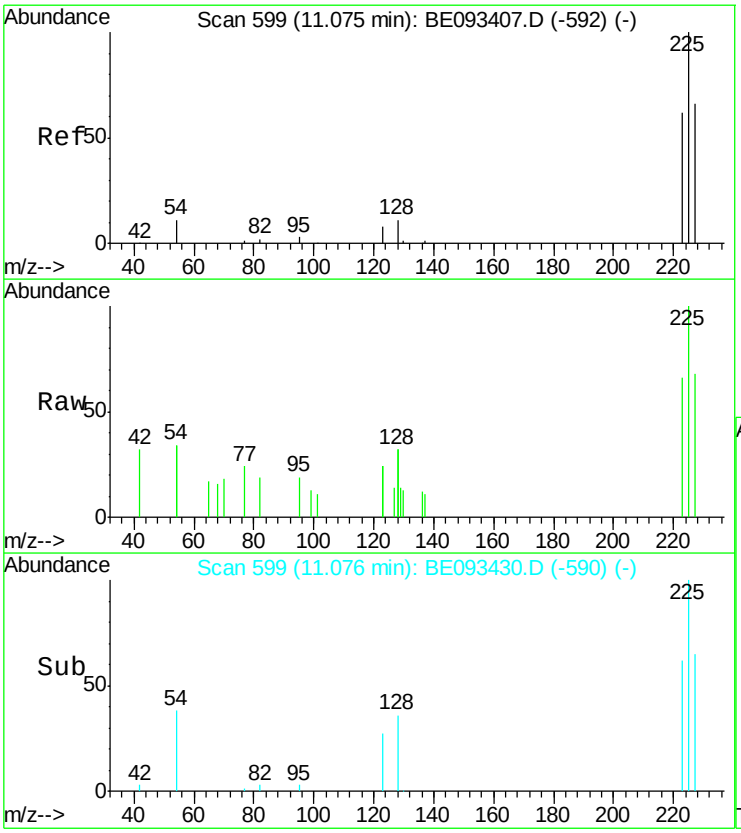
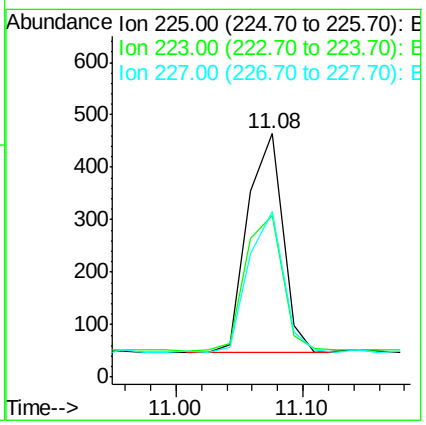


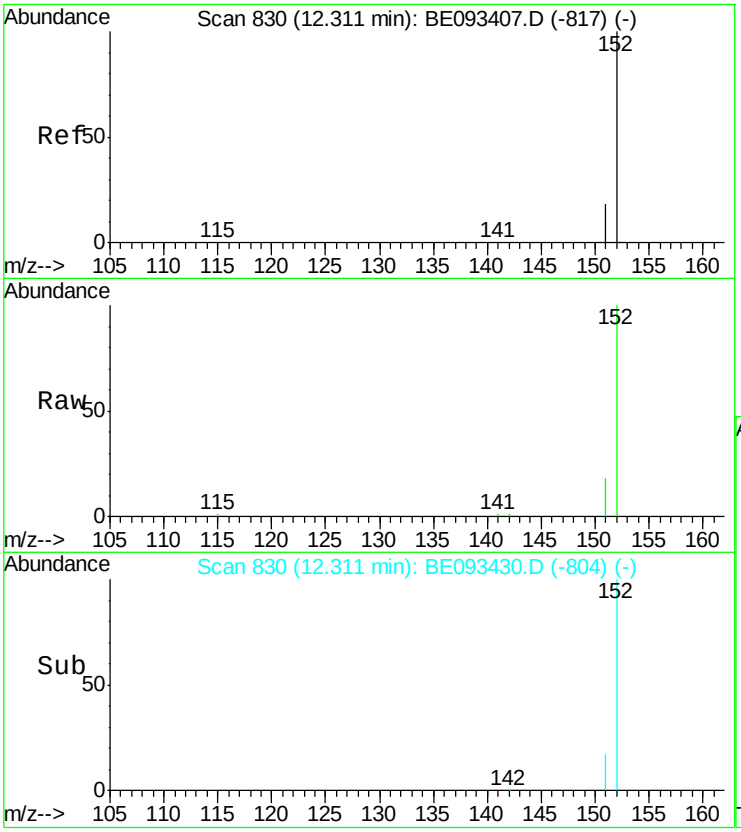


#10
Hexachlorobutadiene
Concen: 0.091 ng
RT: 11.08 min Scan# 599
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:225 Resp: 798

Ion	Ratio	Lower	Upper
225	100		
223	67.8	49.7	74.5
227	64.2	50.3	75.5

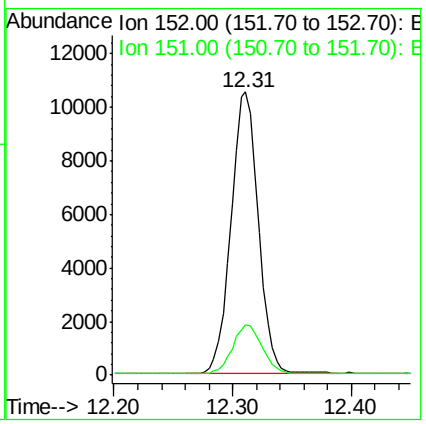




#11
2-Methylnaphthalene-d10
Concen: 0.479 ng
RT: 12.31 min Scan# 830
Delta R.T. -0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:152 Resp: 16908

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.1	22.7



Instrument :
BNA_E
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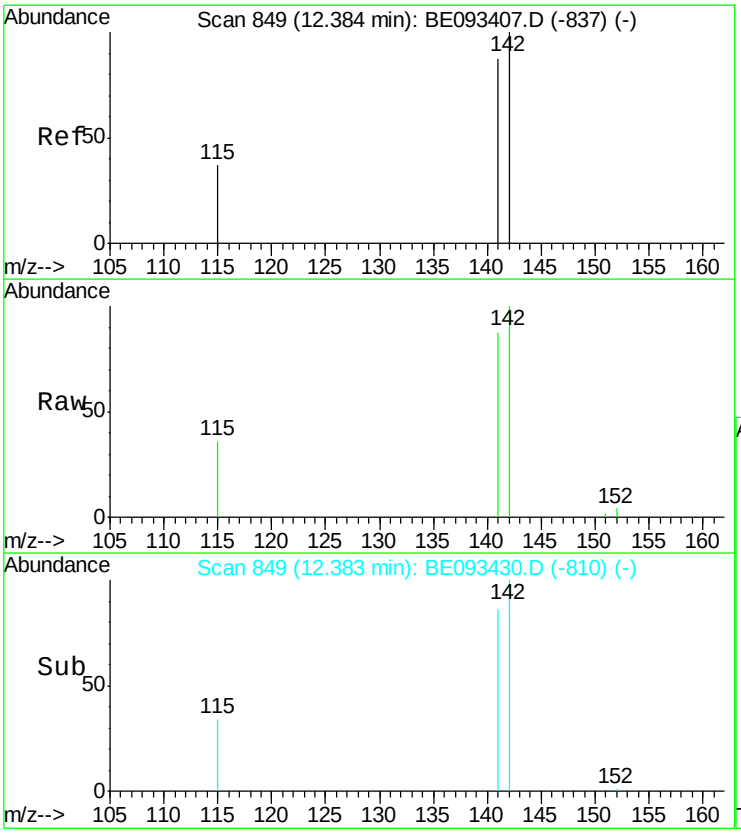
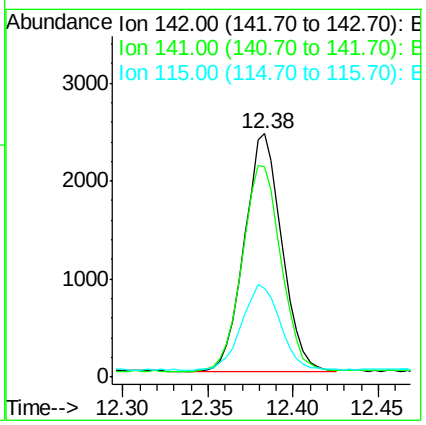
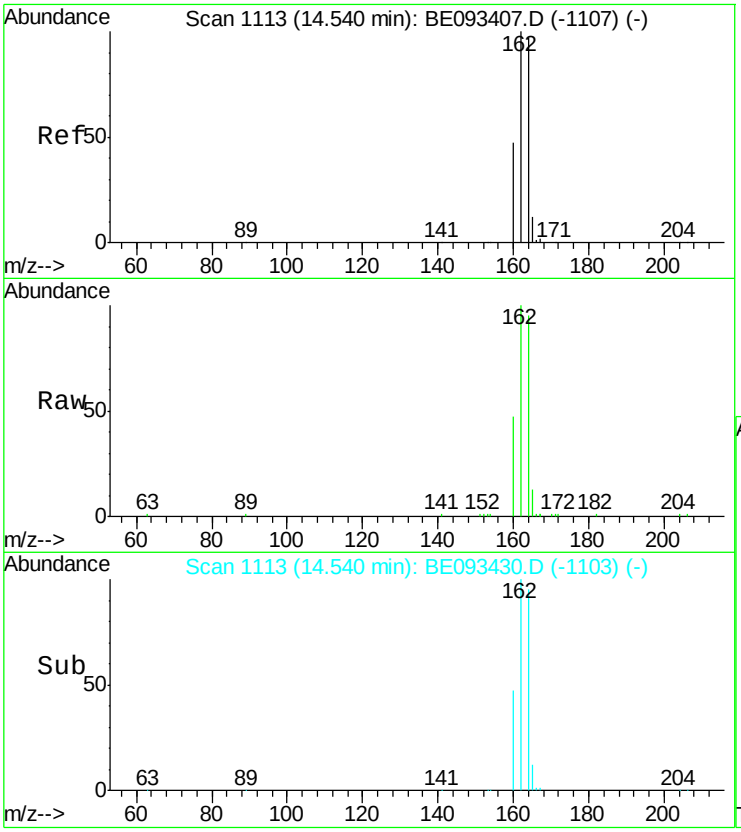


#12
2-Methylnaphthalene
Concen: 0.097 ng
RT: 12.38 min Scan# 849
Delta R.T. -0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:142 Resp: 3775

Ion	Ratio	Lower	Upper
142	100		
141	86.6	72.6	108.8
115	36.4	32.2	48.2

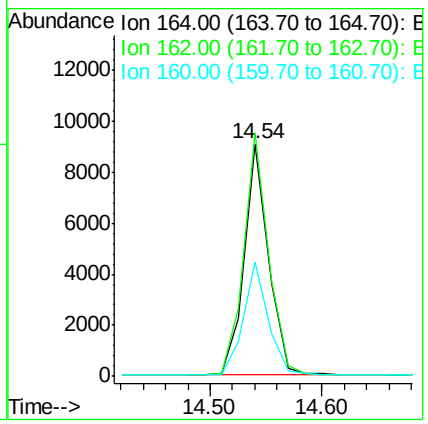




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 1113
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:164 Resp: 13636

Ion	Ratio	Lower	Upper
164	100		
162	104.8	84.6	127.0
160	49.4	41.8	62.6



Instrument :
BNA_E
ClientSampleId :
LOD-WATER-05-QT3-2017

Manual Integrations APPROVED
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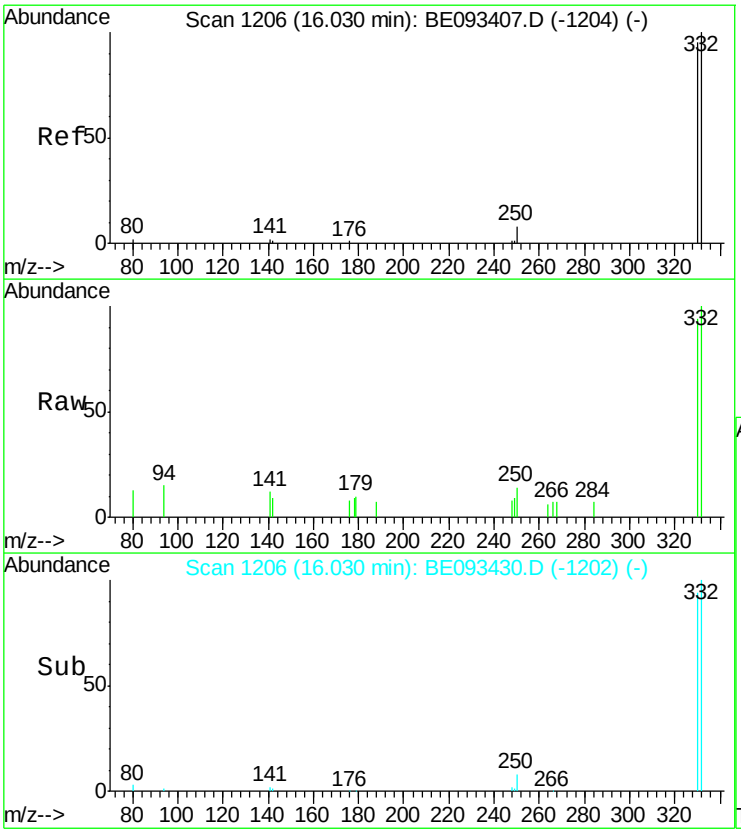
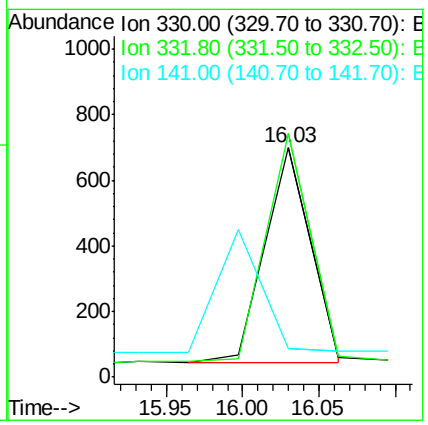
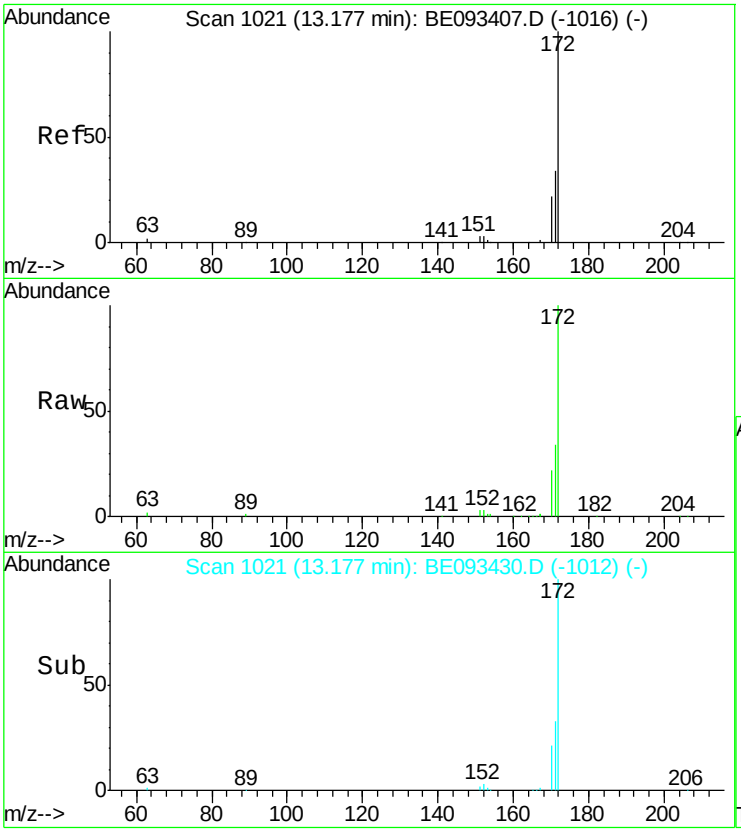


#14
2,4,6-Tribromophenol
Concen: 0.315 ng
RT: 16.03 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:330 Resp: 1351

Ion	Ratio	Lower	Upper
330	100		
332	104.4	77.7	116.5
141	0.0	56.2	84.4#

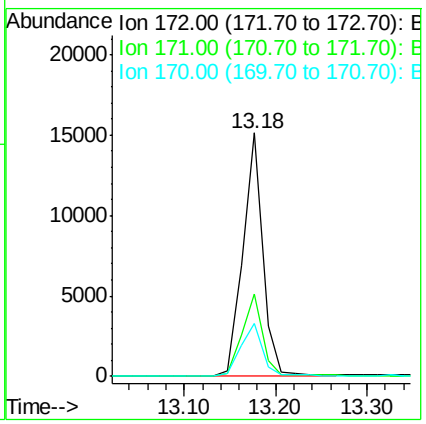




#15
2-Fluorobiphenyl
Concen: 0.434 ng
RT: 13.18 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:172 Resp: 22996

Ion	Ratio	Lower	Upper
172	100		
171	33.6	29.8	44.6
170	21.7	20.7	31.1



Instrument :
BNA_E
ClientSampleId :
LOD-WATER-05-QT3-2017

Manual Integrations APPROVED
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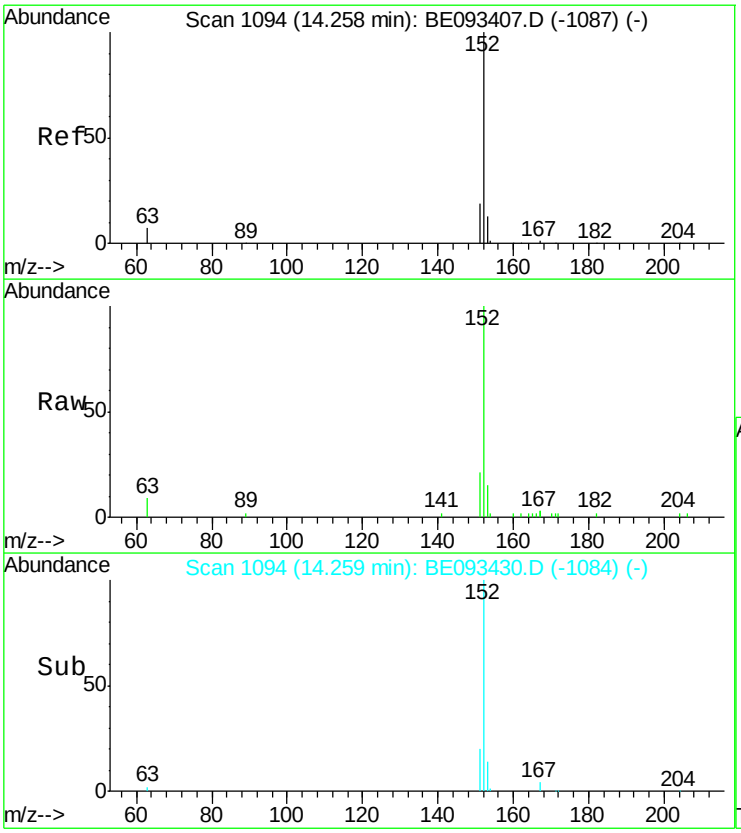
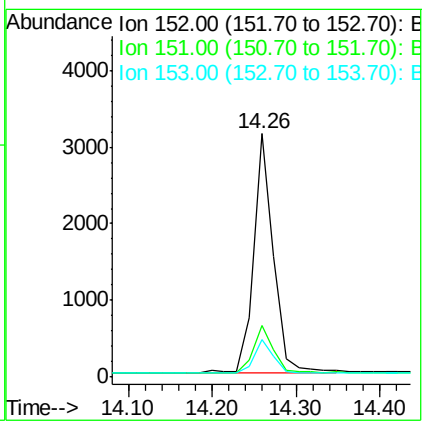
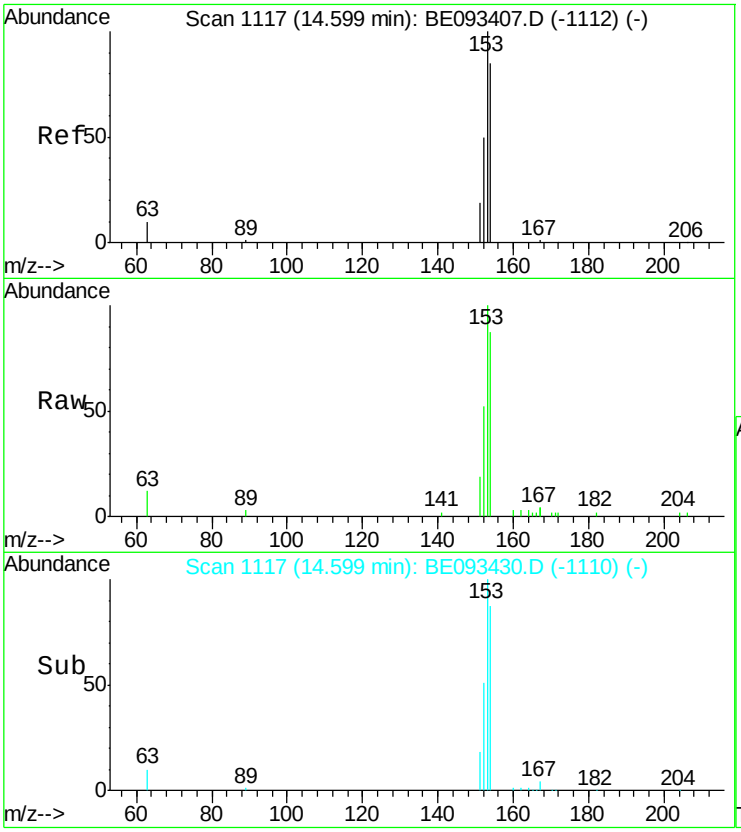


#16
Acenaphthylene
Concen: 0.090 ng
RT: 14.26 min Scan# 1094
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:152 Resp: 5122

Ion	Ratio	Lower	Upper
152	100		
151	19.9	4.0	6.0#
153	13.5	10.3	15.5





#17
Acenaphthene
Concen: 0.093 ng
RT: 14.60 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:154 Resp: 3889

Ion	Ratio	Lower	Upper
154	100		
153	115.2	91.2	136.8
152	55.6	44.8	67.2

Instrument :
BNA_E
ClientSampleId :
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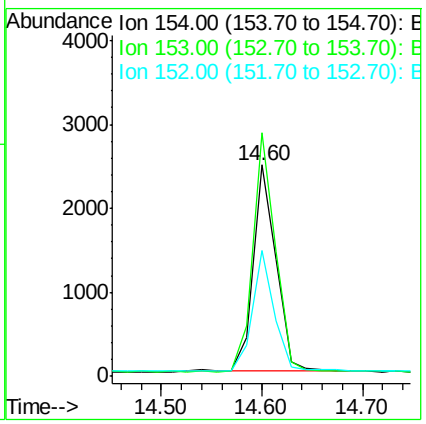
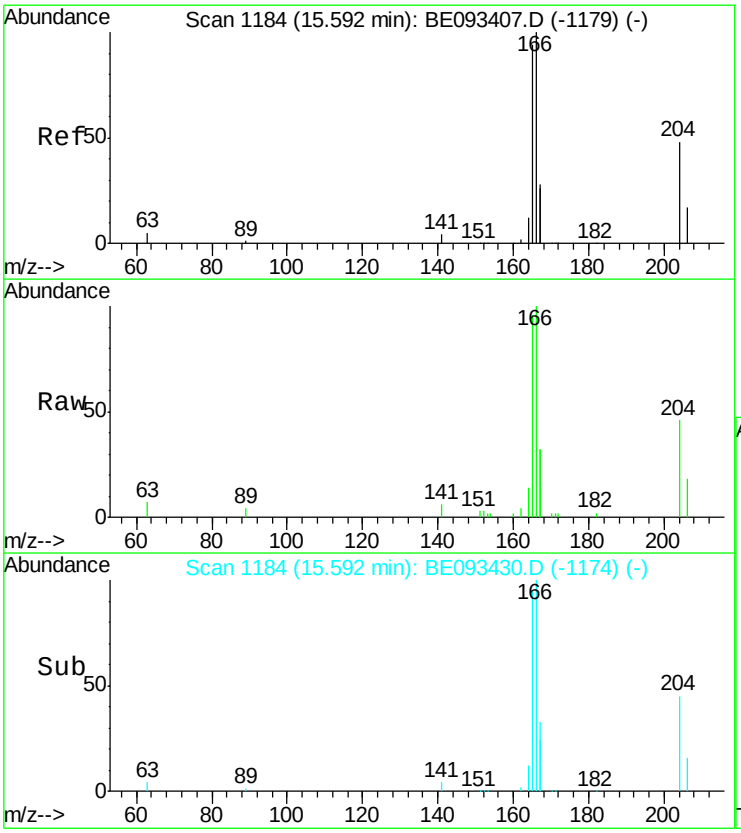
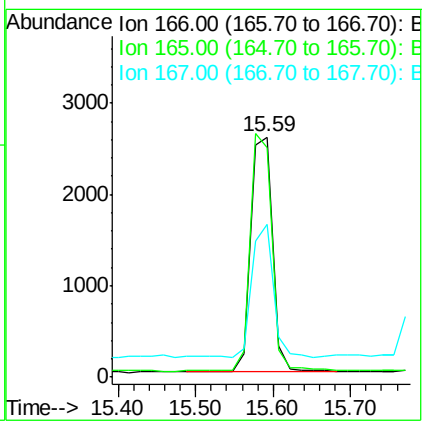


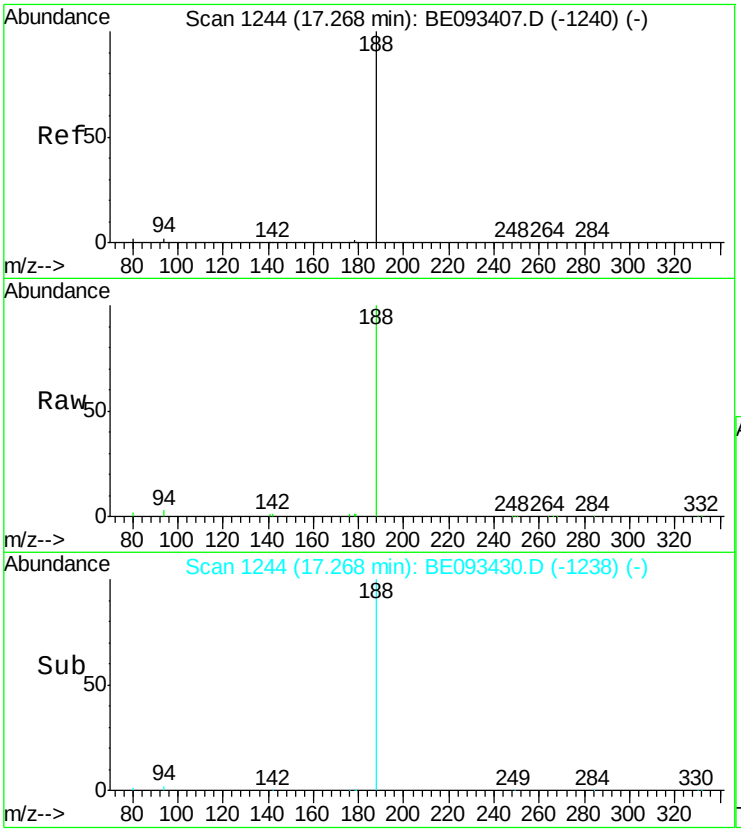


#18
Fluorene
Concen: 0.087 ng
RT: 15.59 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:166 Resp: 4996

Ion	Ratio	Lower	Upper
166	100		
165	101.0	78.6	117.8
167	55.1	11.1	16.7#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:188 Resp: 35122

Ion	Ratio	Lower	Upper
188	100		
94	2.6	11.3	16.9#
80	1.9	11.7	17.5#

Instrument :
BNA_E
ClientSampleId :
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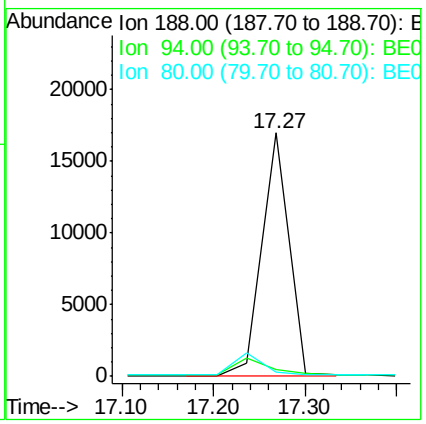
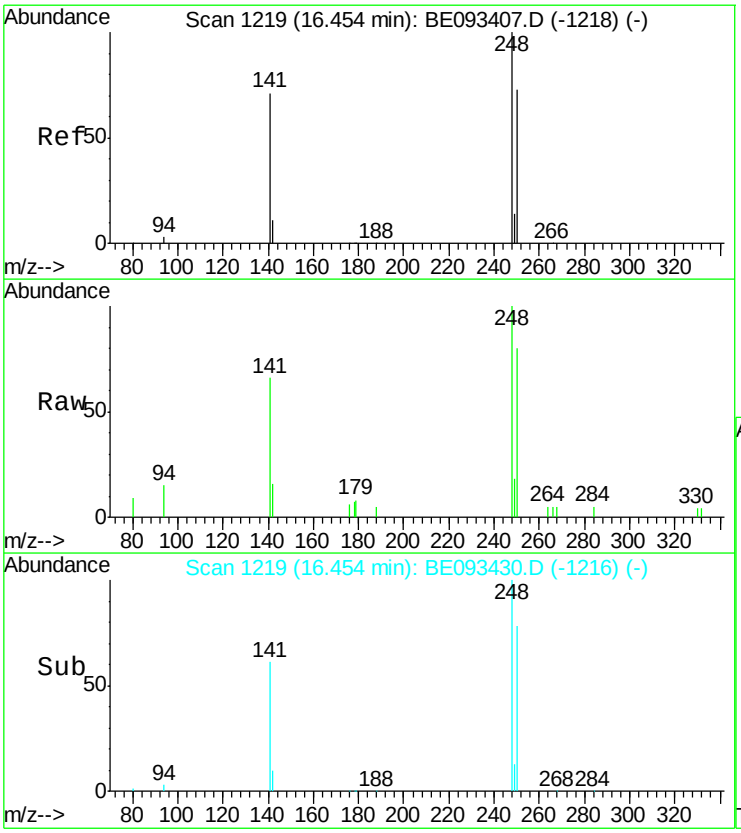
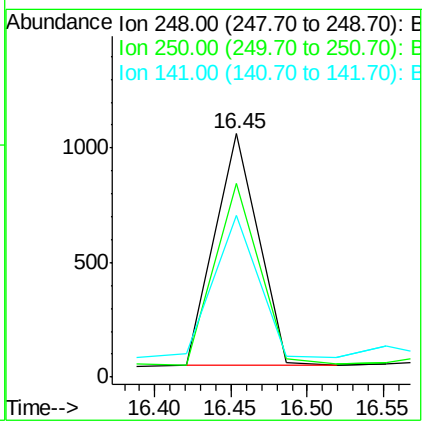


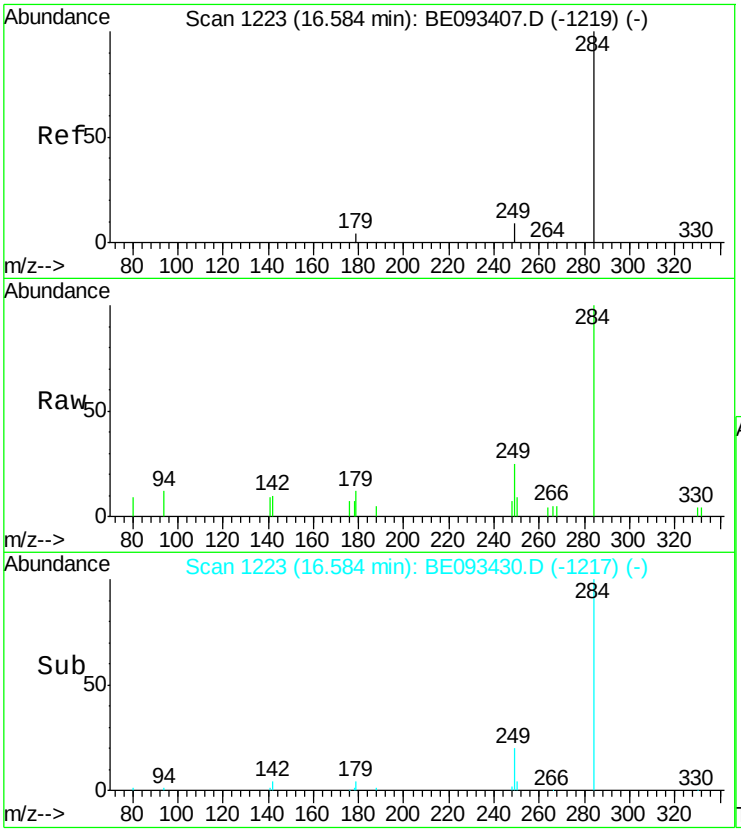


#20
4-Bromophenyl-phenylether
Concen: 0.105 ng
RT: 16.45 min Scan# 1219
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:248 Resp: 2017

Ion	Ratio	Lower	Upper
248	100		
250	79.7	40.8	61.2#
141	66.2	161.6	242.4#





#21
Hexachlorobenzene
Concen: 0.099 ng
RT: 16.58 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:284 Resp: 2065

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	22.0	0.0	0.0#

Instrument :
BNA_E
ClientSampleId :
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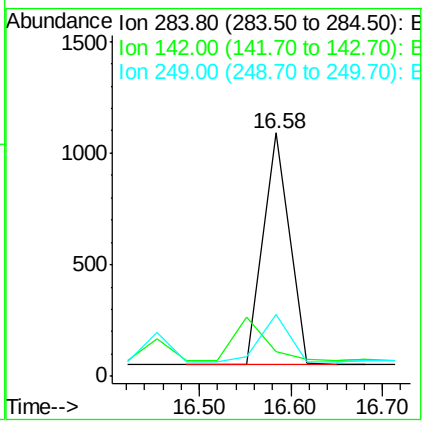
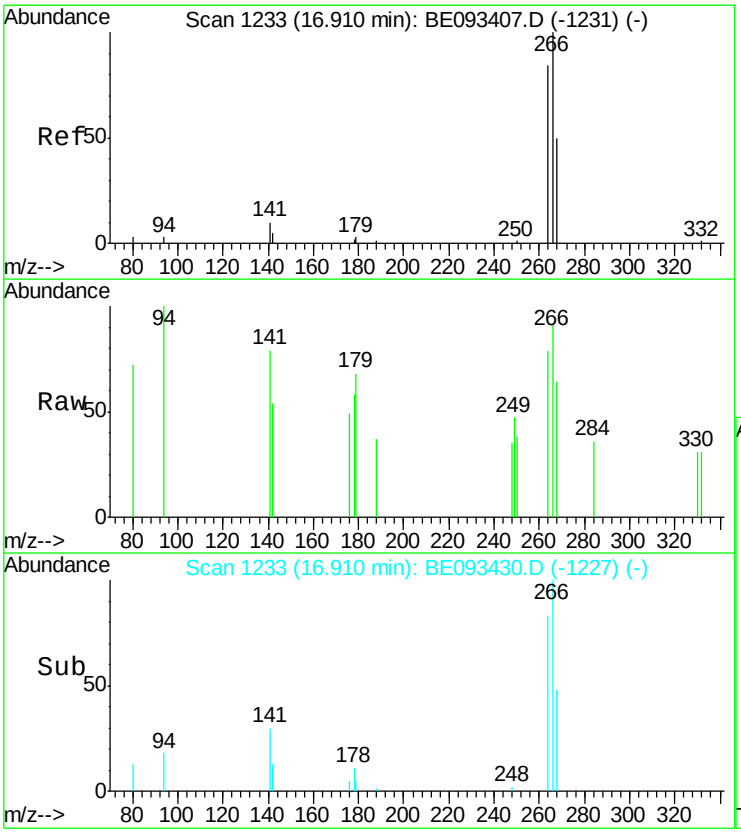
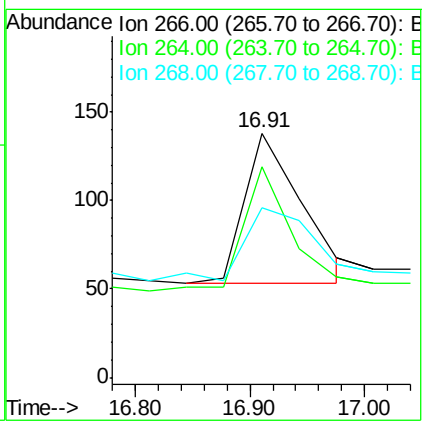


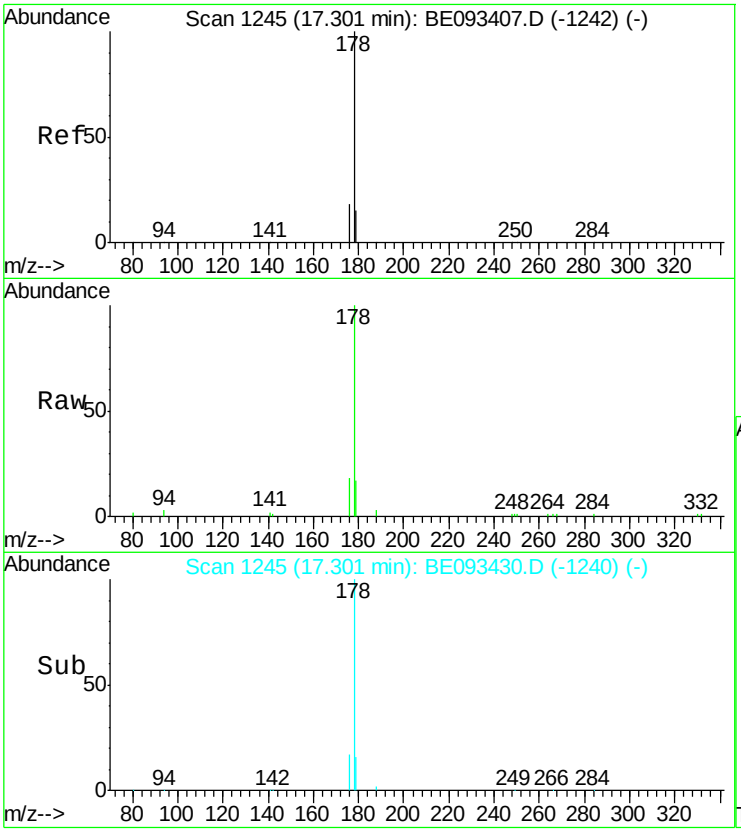


#22
Pentachlorophenol
Concen: 0.062 ng
RT: 16.91 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:266 Resp: 295

Ion	Ratio	Lower	Upper
266	100		
264	86.2	58.2	87.2
268	69.6	71.9	107.9#

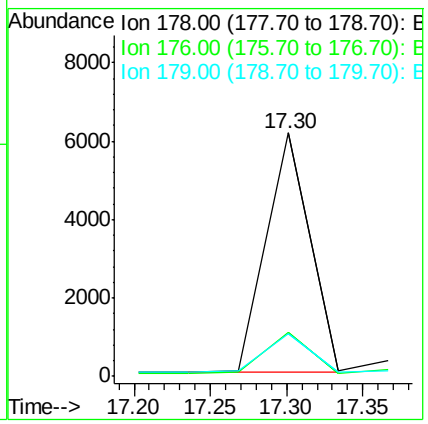




#23
Phenanthrene
Concen: 0.095 ng
RT: 17.30 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:178 Resp: 12139

Ion	Ratio	Lower	Upper
178	100		
176	17.3	15.0	22.4
179	16.4	12.7	19.1



Instrument :
BNA_E
ClientSampleId :
LOD-WATER-05-QT3-2017

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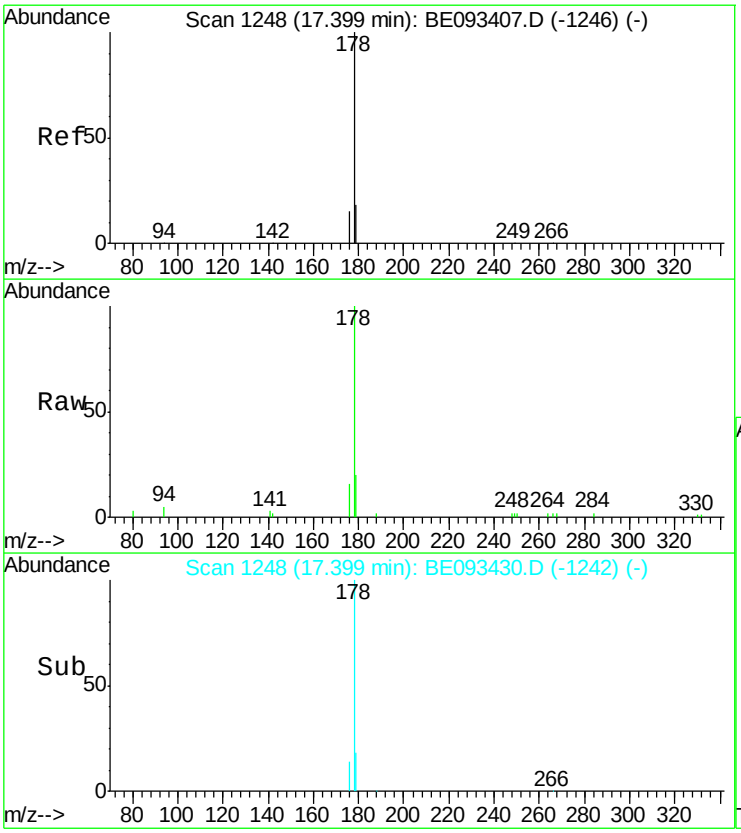
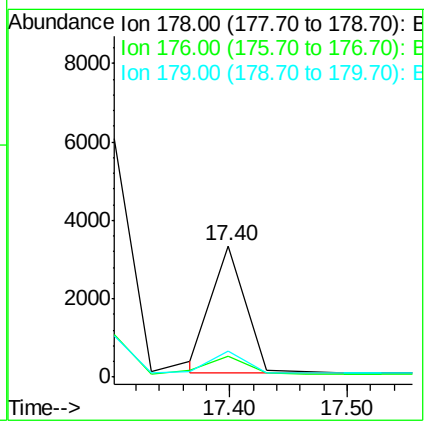
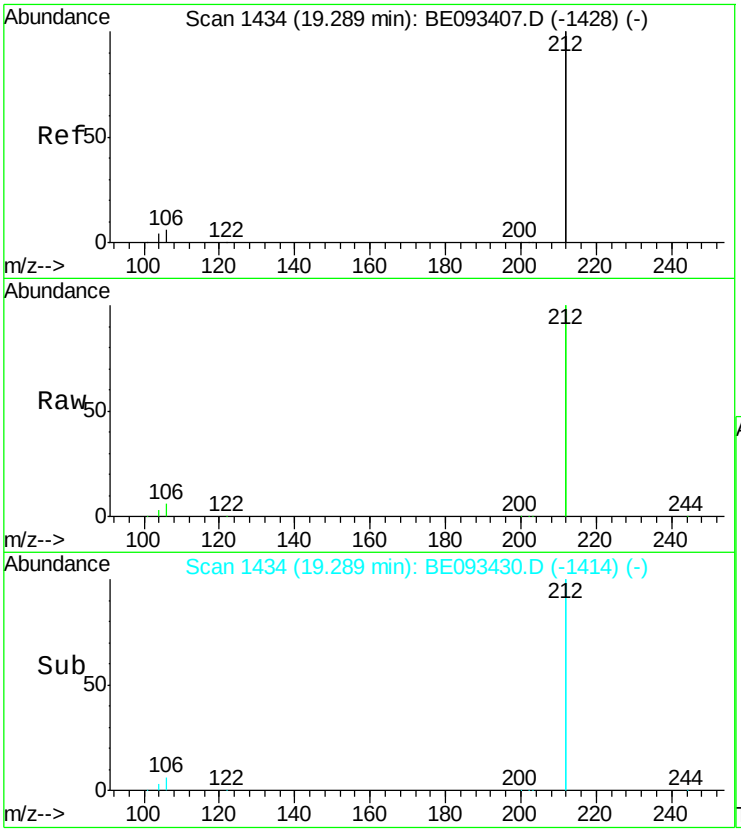


#24
Anthracene
Concen: 0.083 ng m
RT: 17.40 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:178 Resp: 6470

Ion	Ratio	Lower	Upper
178	100		
176	33.3	14.6	22.0#
179	28.6	12.0	18.0#





#25
Fluoranthene-d10
Concen: 0.459 ng
RT: 19.29 min Scan# 1434
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:212 Resp: 194424

Ion	Ratio	Lower	Upper
212	100		
106	3.4	2.4	3.6
104	2.0	1.6	2.4

Instrument :
BNA_E
ClientSampleId :
LOD-WATER-05-QT3-2017

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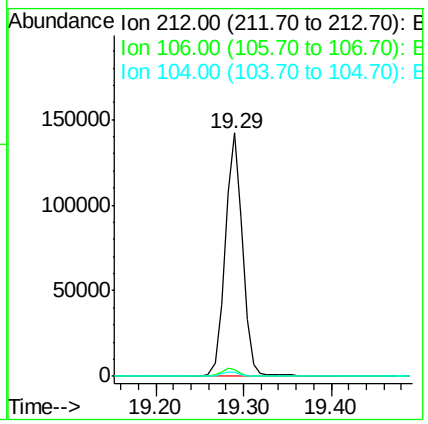
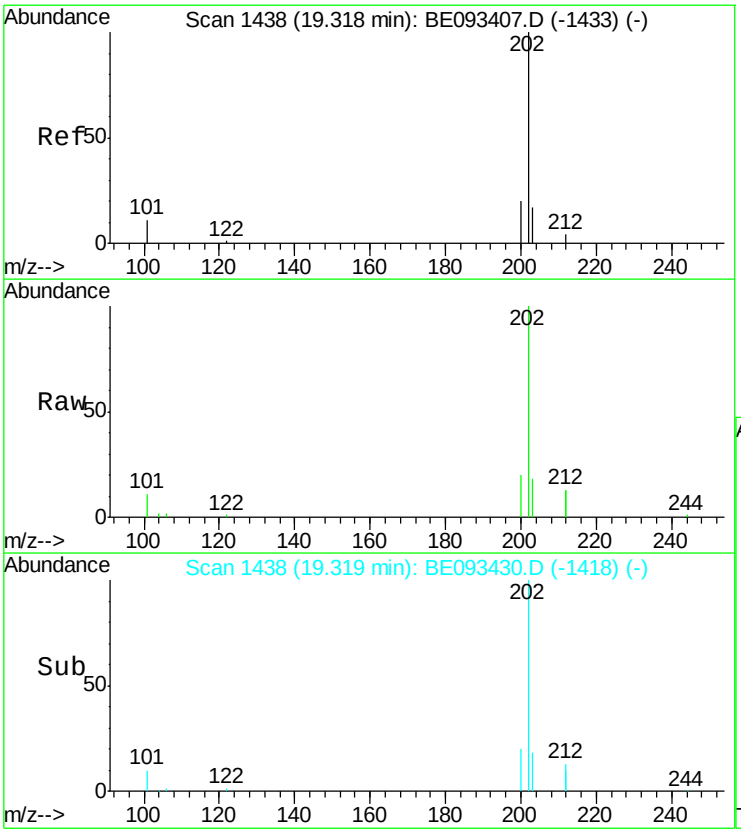
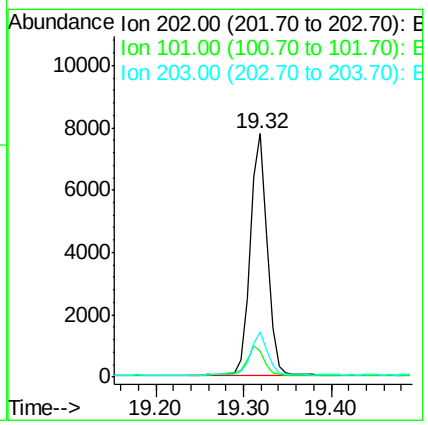


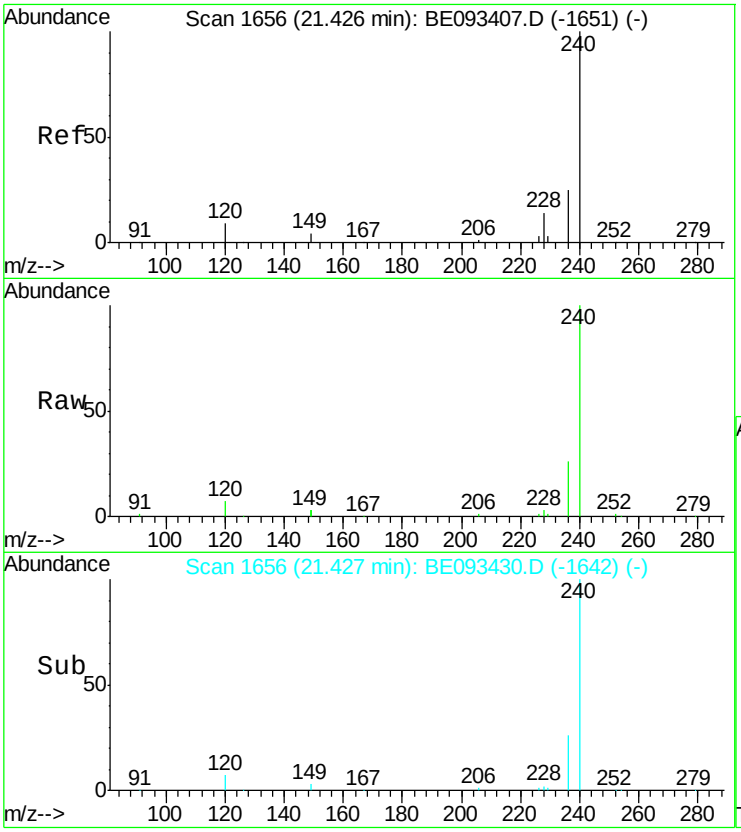


#26
Fluoranthene
Concen: 0.088 ng
RT: 19.32 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:202 Resp: 10587

Ion	Ratio	Lower	Upper
202	100		
101	13.0	9.6	14.4
203	17.8	14.4	21.6

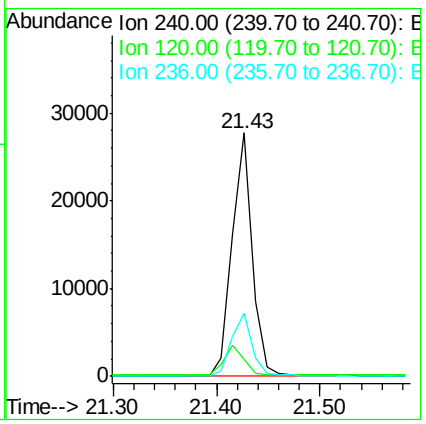




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1656
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:240 Resp: 37416

Ion	Ratio	Lower	Upper
240	100		
120	7.2	4.6	7.0#
236	25.8	20.8	31.2



Instrument :
BNA_E
ClientSampleId :
LOD-WATER-05-QT3-2017

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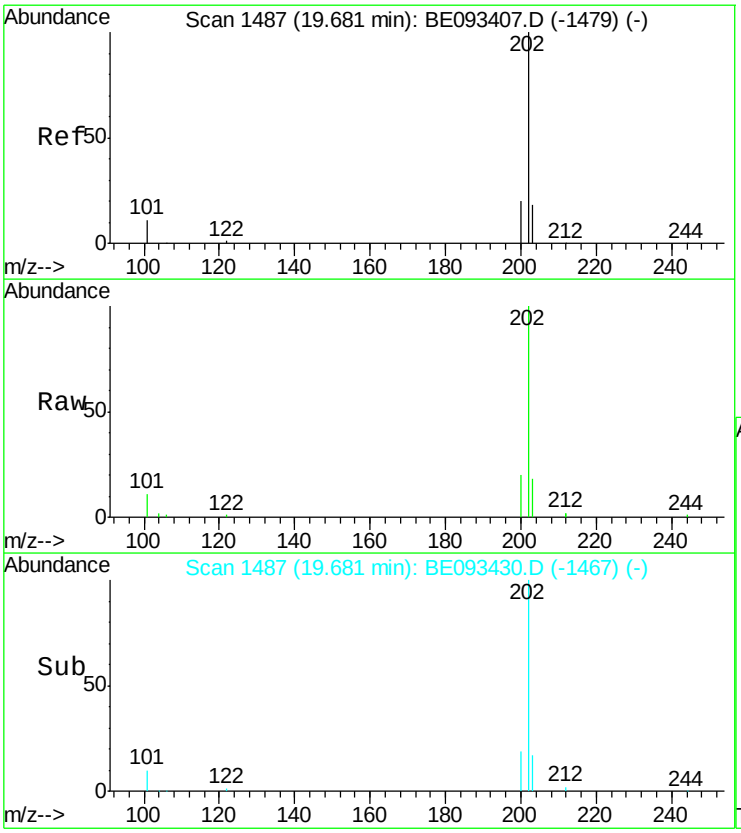
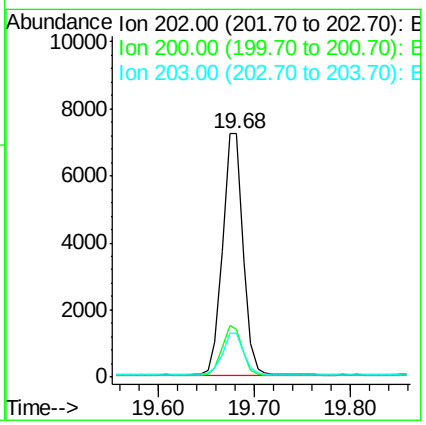
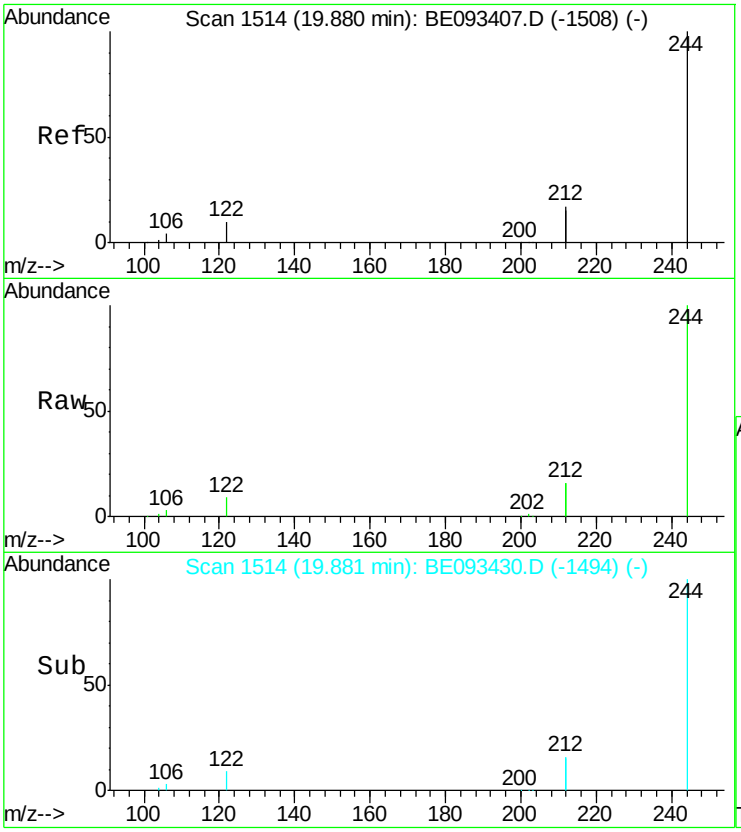


#28
Pyrene
Concen: 0.101 ng
RT: 19.68 min Scan# 1487
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:202 Resp: 10616

Ion	Ratio	Lower	Upper
202	100		
200	20.5	0.0	0.0#
203	18.0	13.7	20.5





#29
Terphenyl-d14
Concen: 0.440 ng
RT: 19.88 min Scan# 1514
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:244 Resp: 29415

Ion	Ratio	Lower	Upper
244	100		
212	31.2	10.6	16.0#
122	8.8	15.4	23.0#

Instrument :
BNA_E
ClientSampleId :
LOD-WATER-05-QT3-2017

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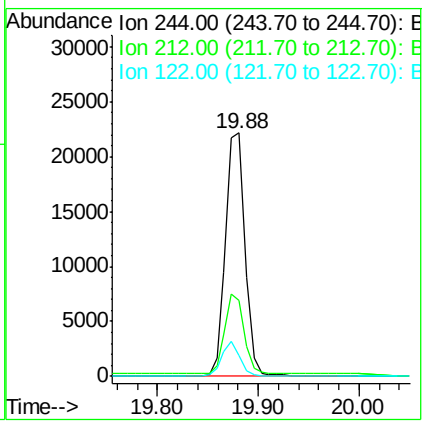
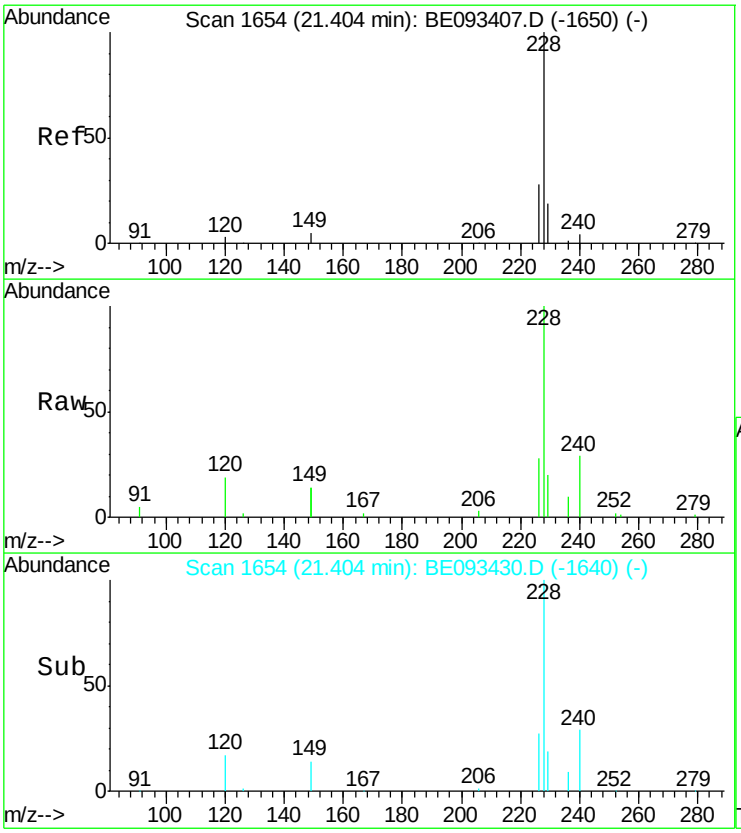
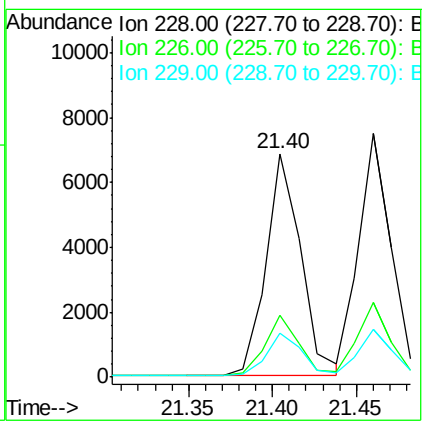


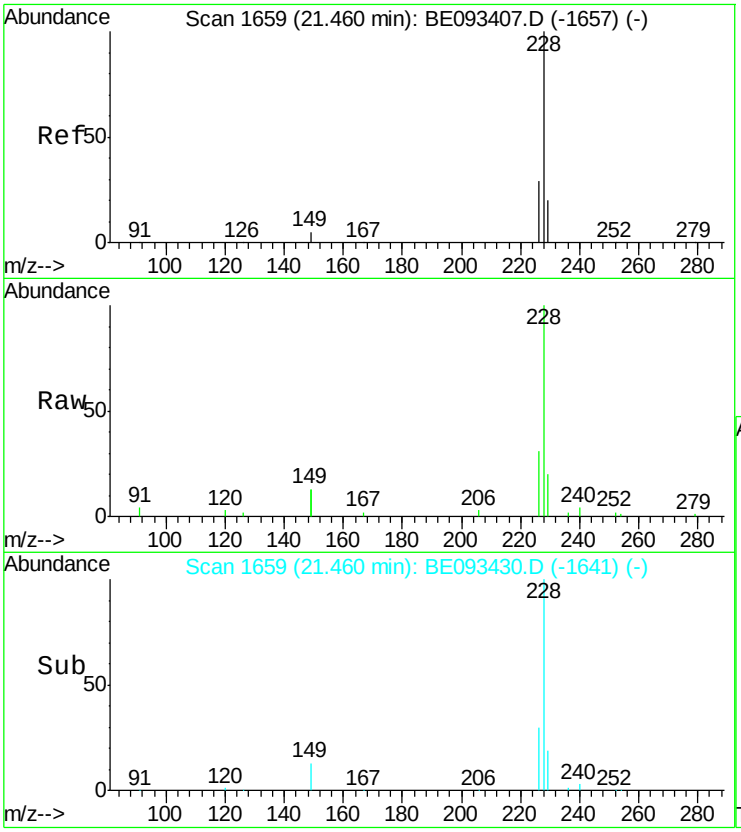


#30
Benzo(a)anthracene
Concen: 0.097 ng
RT: 21.40 min Scan# 1654
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:228 Resp: 9845

Ion	Ratio	Lower	Upper
228	100		
226	27.7	19.7	29.5
229	19.8	19.2	28.8





#31
Chrysene
Concen: 0.095 ng
RT: 21.46 min Scan# 1659
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:228 Resp: 10063

Ion	Ratio	Lower	Upper
228	100		
226	30.7	21.5	32.3
229	19.8	18.6	28.0

Instrument :
BNA_E
ClientSampleId :
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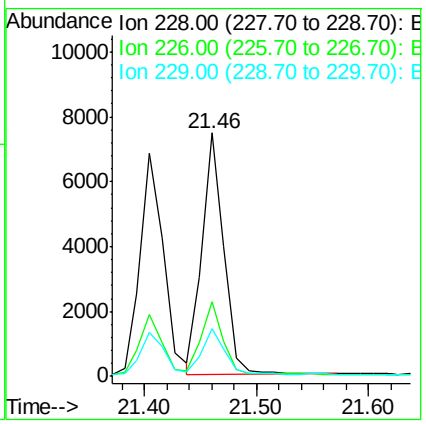
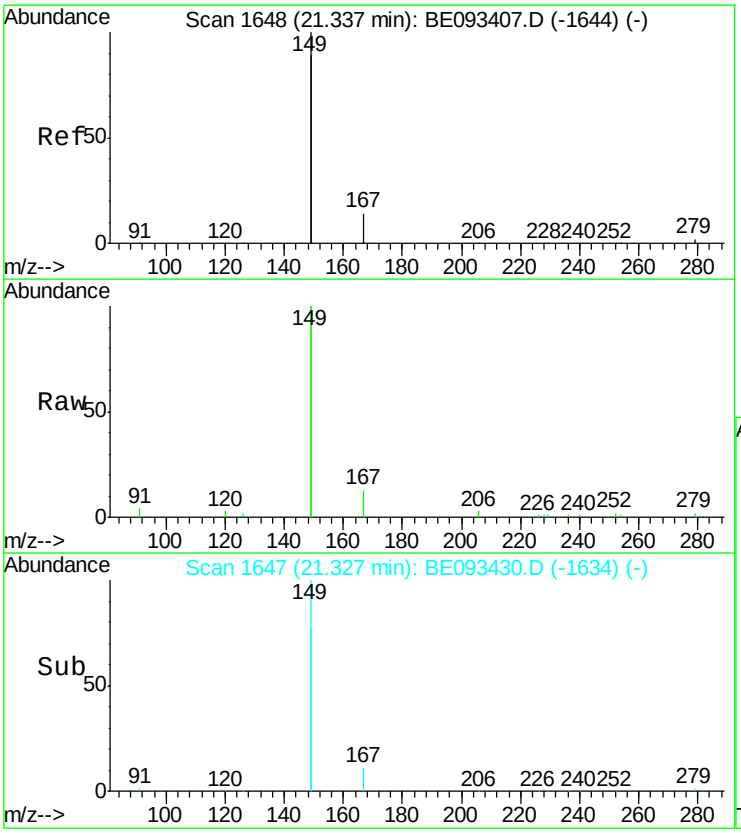
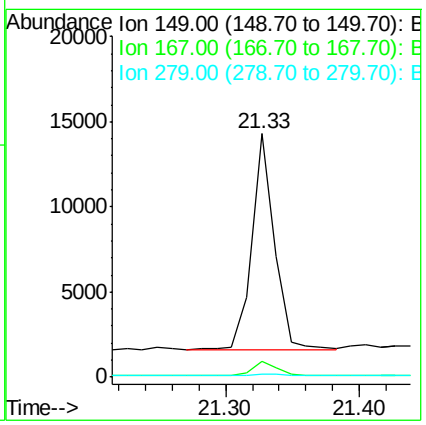


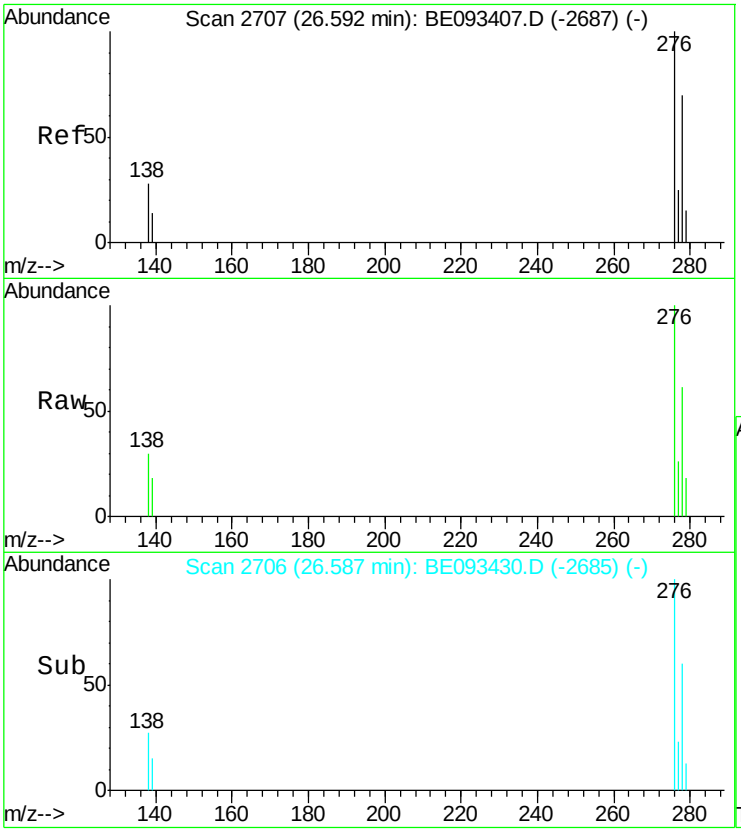


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.102 ng
RT: 21.33 min Scan# 1647
Delta R.T. -0.01 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:149 Resp: 14855

Ion	Ratio	Lower	Upper
149	100		
167	6.5	20.1	30.1#
279	1.1	2.2	3.4#

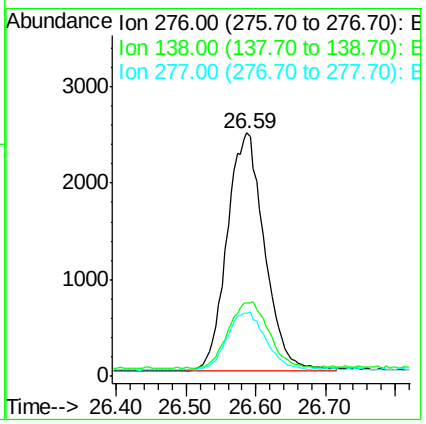




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.099 ng
RT: 26.59 min Scan# 2706
Delta R.T. -0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:276 Resp: 9189

Ion	Ratio	Lower	Upper
276	100		
138	29.9	27.4	41.2
277	24.7	20.1	30.1



Instrument :
BNA_E
ClientSampleId :
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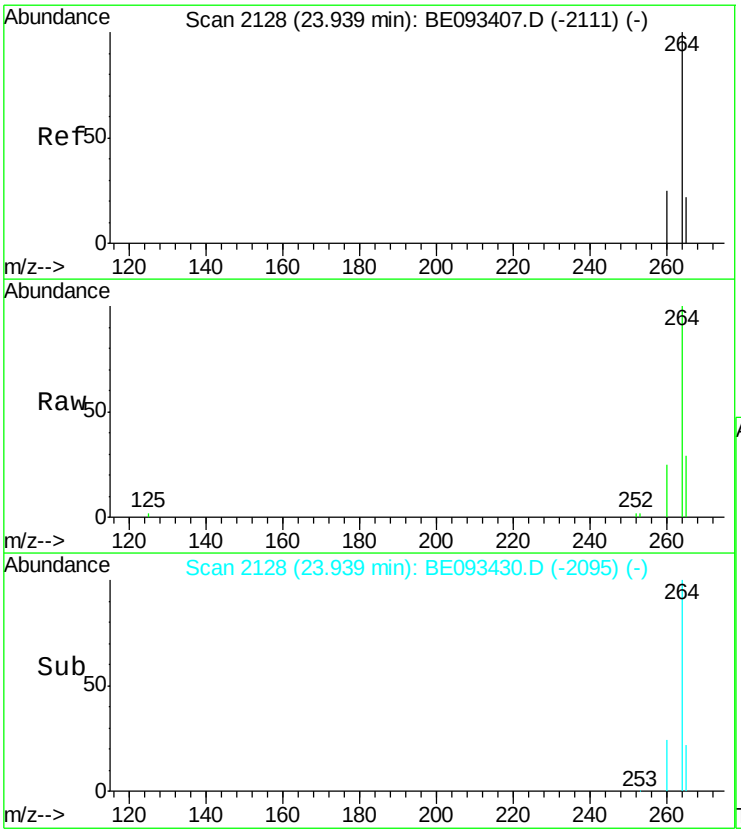
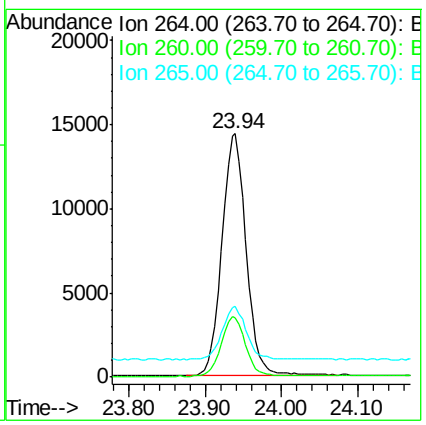
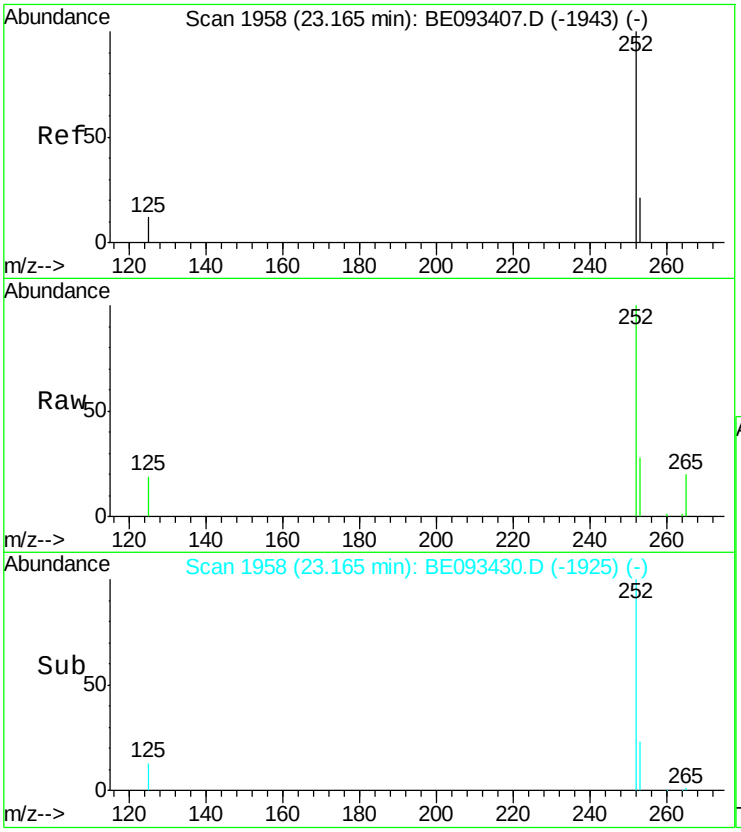


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.94 min Scan# 2128
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:264 Resp: 32153

Ion	Ratio	Lower	Upper
264	100		
260	24.6	21.0	31.4
265	29.0	24.6	36.8





#35
Benzo(b)fluoranthene
Concen: 0.091 ng m
RT: 23.17 min Scan# 1958
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:252 Resp: 9410

Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.5	27.7#
125	19.1	13.4	20.0

Instrument :
BNA_E
ClientSampleId :
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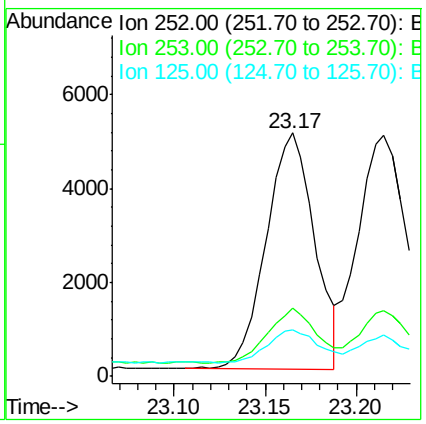
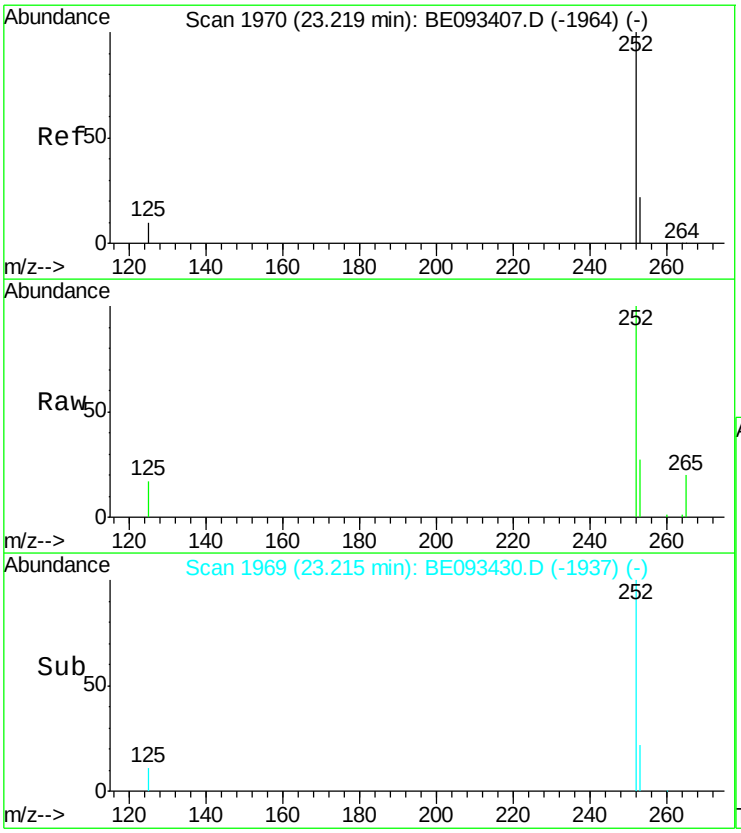
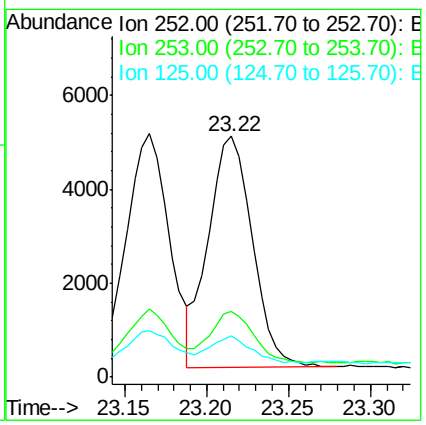


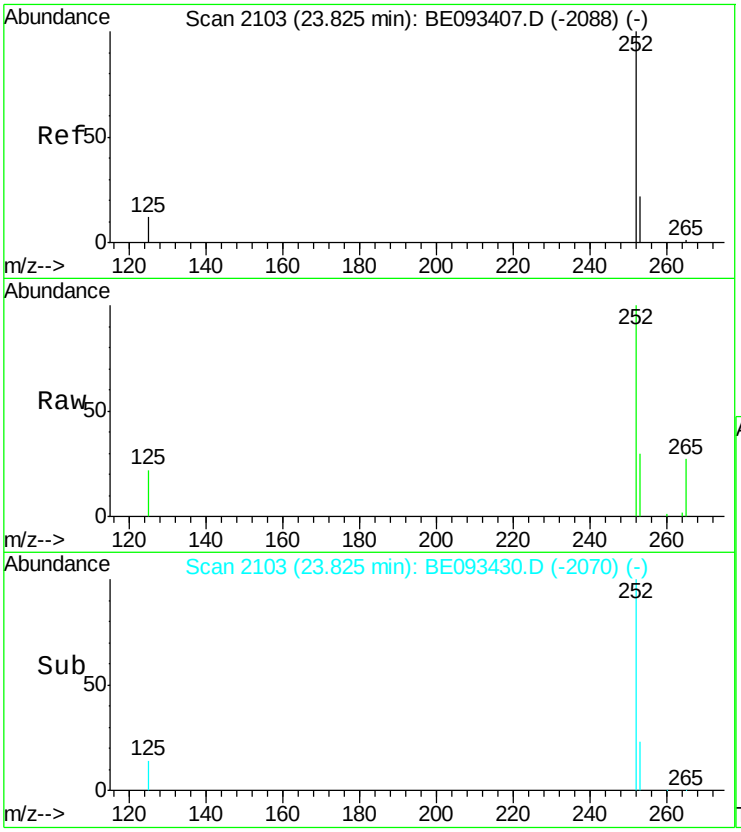


#36
Benzo(k)fluoranthene
Concen: 0.089 ng
RT: 23.22 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:252 Resp: 9186

Ion	Ratio	Lower	Upper
252	100		
253	27.3	20.3	30.5
125	17.0	12.2	18.4





#37
Benzo(a)pyrene
Concen: 0.093 ng
RT: 23.83 min Scan# 2103
Delta R.T. 0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:252 Resp: 8502

Ion	Ratio	Lower	Upper
252	100		
253	30.0	19.9	29.9#
125	21.6	14.6	21.8

Instrument :
BNA_E
ClientSampleId :
LOD-WATER-05-QT3-2017

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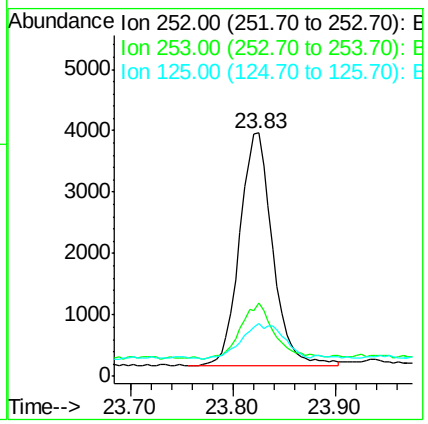
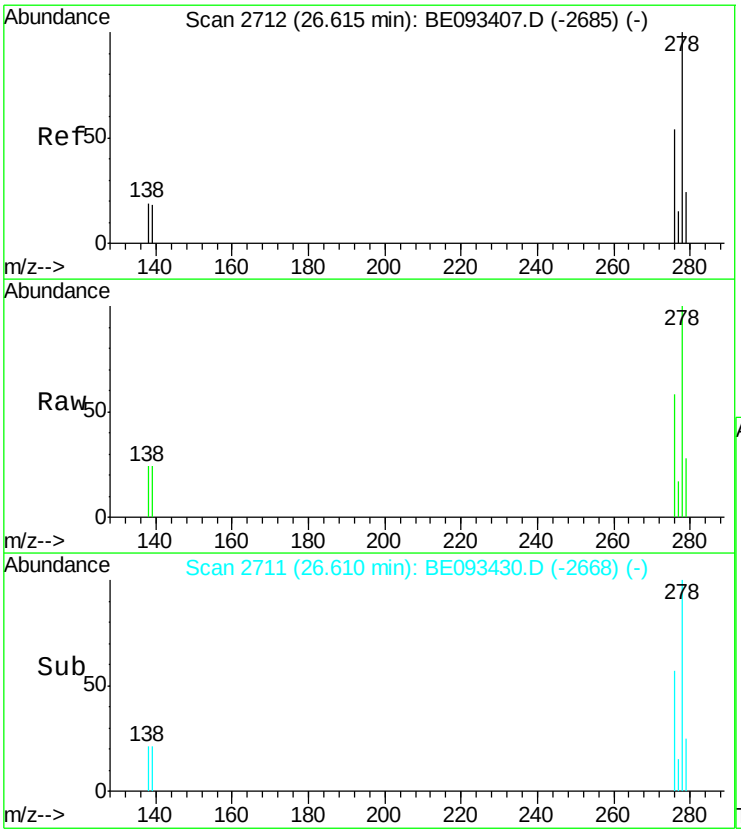
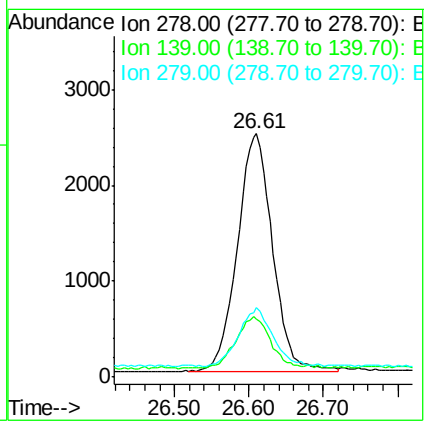


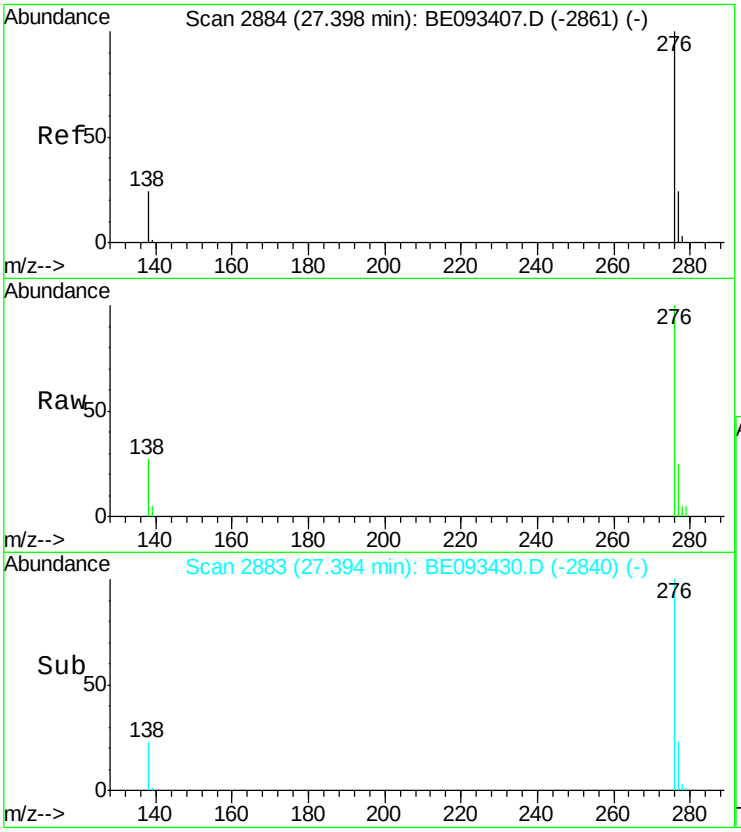


#38
Dibenzo(a,h)anthracene
Concen: 0.092 ng
RT: 26.61 min Scan# 2711
Delta R.T. -0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:278 Resp: 8152

Ion	Ratio	Lower	Upper
278	100		
139	23.8	21.4	32.0
279	28.4	22.2	33.2

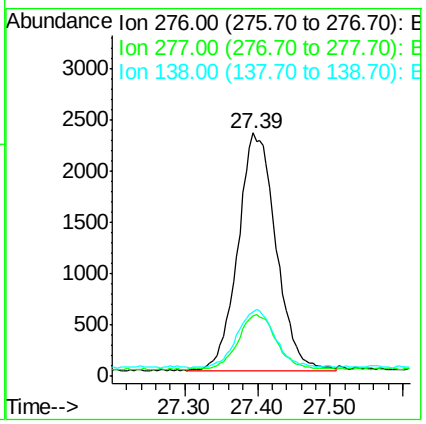




#39
Benzo(g,h,i)perylene
Concen: 0.094 ng
RT: 27.39 min Scan# 2883
Delta R.T. -0.00 min
Lab File: BE093430.D
Acq: 6 Jul 2017 14:58

Tgt Ion:276 Resp: 8396

Ion	Ratio	Lower	Upper
276	100		
277	25.0	21.2	31.8
138	26.6	24.5	36.7



Instrument :
BNA_E
ClientSampleId :
LOD-WATER-05-QT3-2017

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