Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE040417\
Data File : BE092888.D
Acq On : 4 Apr 2017 17:13
Operator : SJ/MA
Sample : I2296-06
Misc : LOO 0.2 PPB
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LOQ-WATER-06-QT2-2017

Quant Time: Apr 04 19:12:16 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE040417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 04 16:35:54 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	7683	5.00	ng		-0.02
7) Naphthalene-d8	10.54	136	33640	5.00	ng		0.00
12) Acenaphthene-d10	14.38	164	15902	5.00	ng		-0.02
18) Phenanthrene-d10	17.13	188	38153	5.00	ng		-0.02
24) Chrysene-d12	21.28	240	41504	5.00	ng		-0.02
31) Perylene-d12	23.70	264	37823	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.36	112	20120	13.00	ng		0.00
5) Phenol-d6	6.94	99	27611	12.43	ng		0.00
8) Nitrobenzene-d5	8.90	82	11753	6.10	ng		-0.02
13) 2,4,6-Tribromophenol	15.88	330	2839	13.89	ng		0.00
14) 2-Fluorobiphenyl	13.02	172	36276	6.75	ng		-0.01
26) Terphenyl-d14	19.74	244	41690	6.54	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.30	88	235	0.23	ng		90
3) n-Nitrosodimethylamine	3.61	42	212	0.21	ng	#	83
6) bis(2-Chloroethyl)ether	7.20	93	532	0.21	ng	#	49
9) Naphthalene	10.58	128	1704	0.23	ng		97
10) Hexachlorobutadiene	10.89	225	223	0.22	ng		99
11) 2-Methylnaphthalene	12.21	142	964	0.21	ng		88
15) Acenaphthylene	14.09	152	4354	0.19	ng		99
16) Acenaphthene	14.45	154	1032	0.22	ng		96
17) Fluorene	15.44	166	1055	0.21	ng		99
19) Hexachlorobenzene	16.46	284	297	0.21	ng	#	67
20) Pentachlorophenol	16.79	266	55m	0.29	ng		
21) Phenanthrene	17.18	178	2221	0.22	ng		95
22) Anthracene	17.27	178	1556	0.19	ng		99
23) Fluoranthene	19.16	202	7197	0.19	ng		100
25) Pyrene	19.52	202	7625	0.21	ng		99
27) Benzo(a)anthracene	21.26	228	1756	0.20	ng	#	94
28) Chrysene	21.31	228	2348	0.23	ng	#	76
29) Bis(2-ethylhexyl)phthalate	21.21	149	409	0.19	ng	#	75
30) Indeno(1,2,3-cd)pyrene	26.24	276	7490	0.22	ng	#	92
32) Benzo(b)fluoranthene	22.95	252	1781	0.19	ng	#	91
33) Benzo(k)fluoranthene	23.01	252	1618	0.19	ng	#	89
34) Benzo(a)pyrene	23.58	252	1412	0.19	ng	#	87
35) Dibenzo(a,h)anthracene	26.25	278	1622	0.19	ng	#	84
36) Benzo(g,h,i)perylene	27.00	276	6764	0.20	ng	#	87

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

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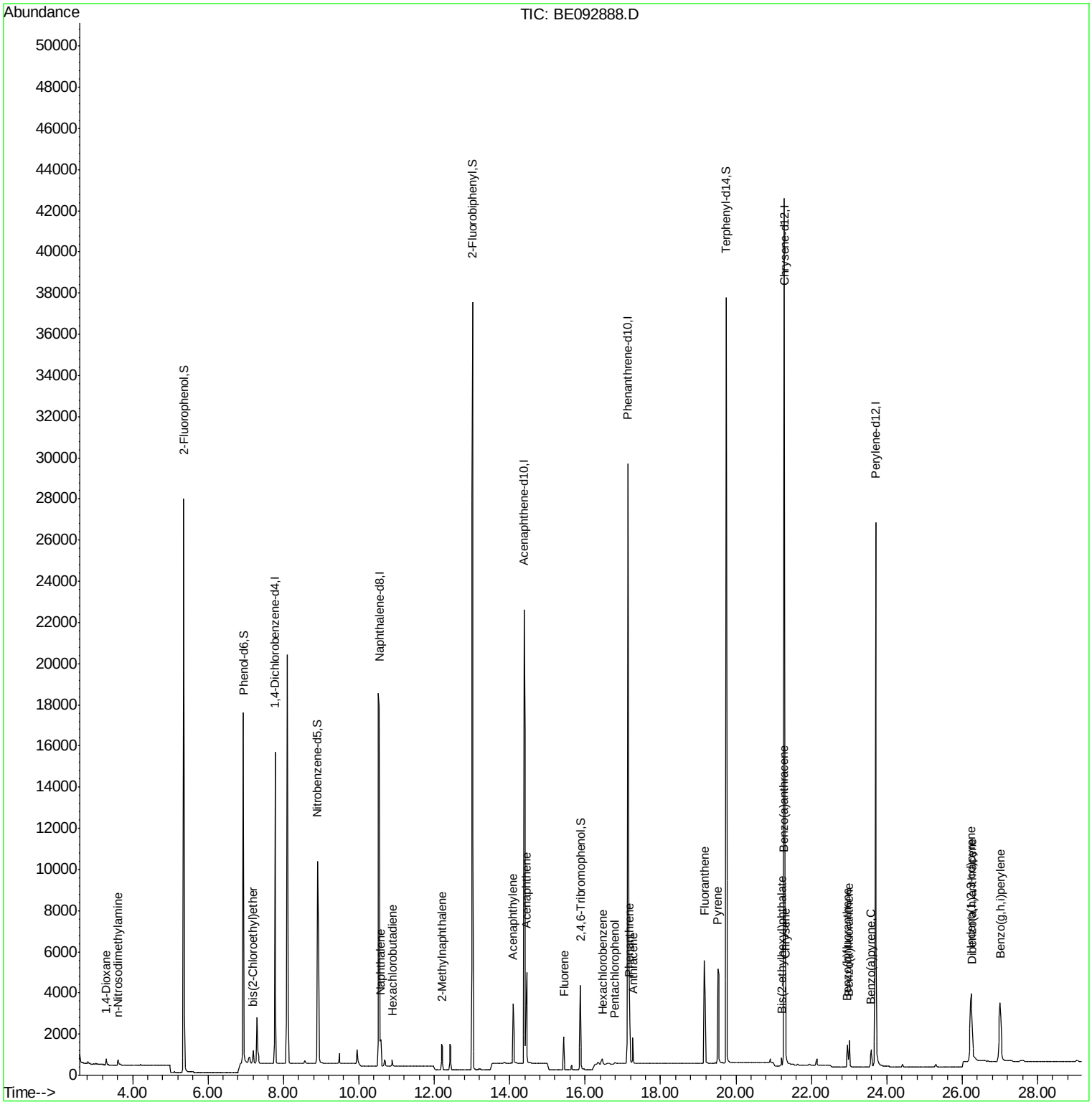
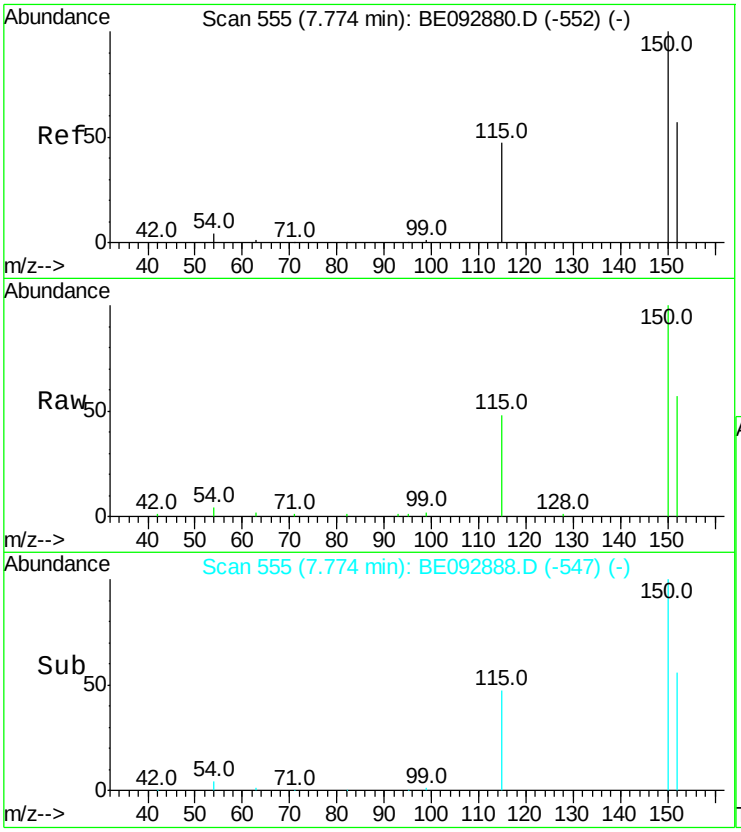
Operator : SJ/MA
Sample : I2296-06
Misc : LOQ 0.2 PPB
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-06-QT2-2017

Quant Time: Apr 04 19:12:16 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE040417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 04 16:35:54 2017
Response via : Initial Calibration



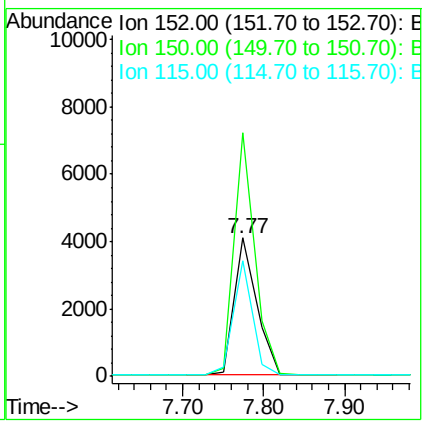


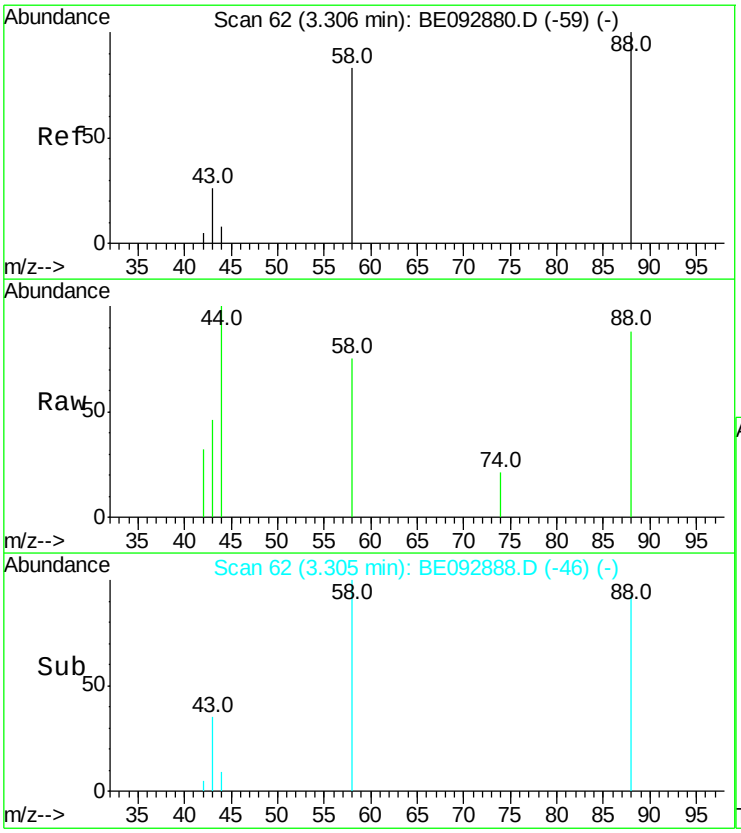
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.77 min Scan# 555
Delta R.T. -0.02 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-06-QT2-2017

Tgt Ion:152 Resp: 7683

Ion	Ratio	Lower	Upper
152	100		
150	176.2	106.0	159.0#
115	84.0	31.2	46.8#

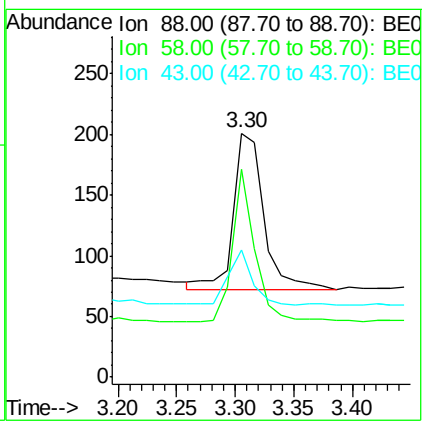


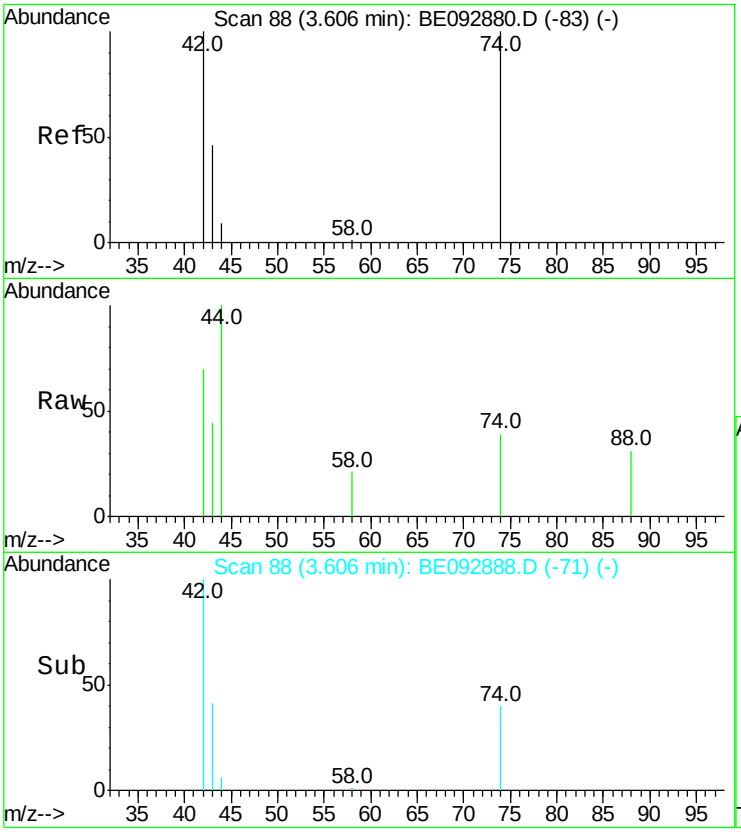


#2
1,4-Dioxane
Concen: 0.23 ng
RT: 3.30 min Scan# 62
Delta R.T. -0.01 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Tgt Ion: 88 Resp: 235

Ion	Ratio	Lower	Upper
88	100		
58	71.1	63.6	95.4
43	28.5	28.0	42.0

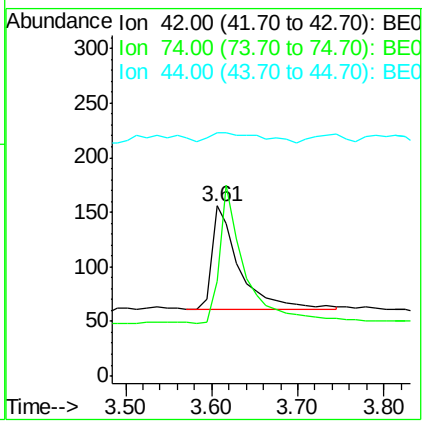




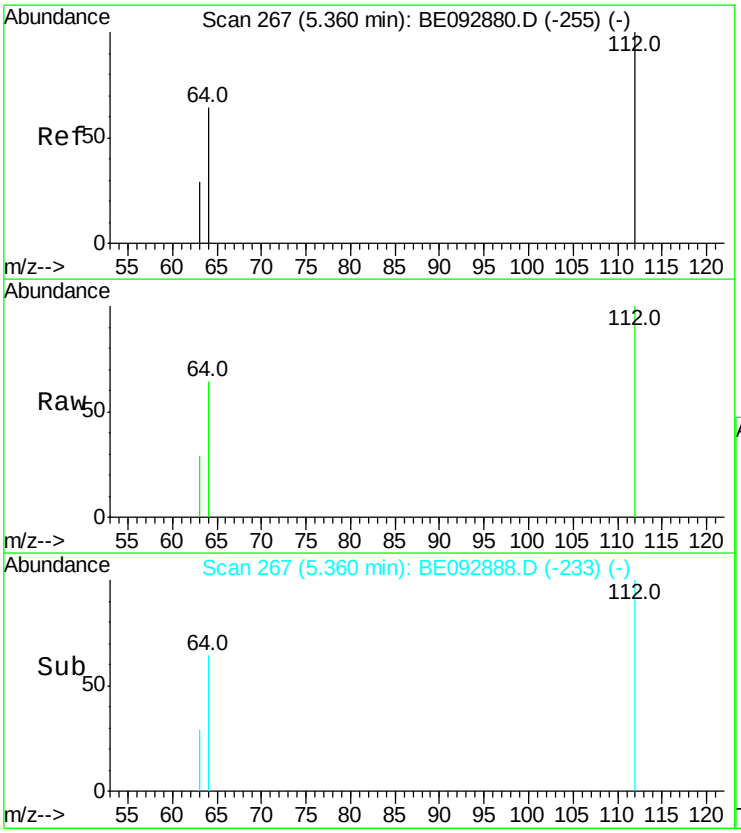
#3
n-Nitrosodimethylamine
Concen: 0.21 ng
RT: 3.61 min Scan# 88
Delta R.T. -0.00 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Tgt Ion: 42 Resp: 212

Ion	Ratio	Lower	Upper
42	100		
74	123.6	86.0	129.0
44	19.3	5.1	7.7#



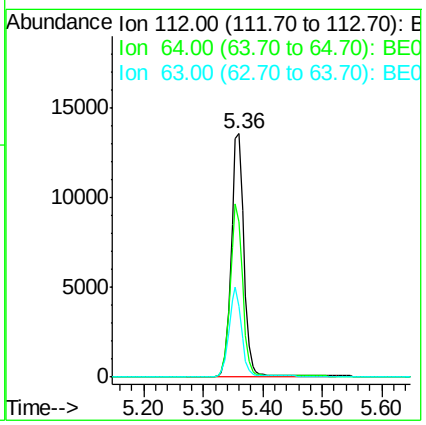
Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-06-QT2-2017

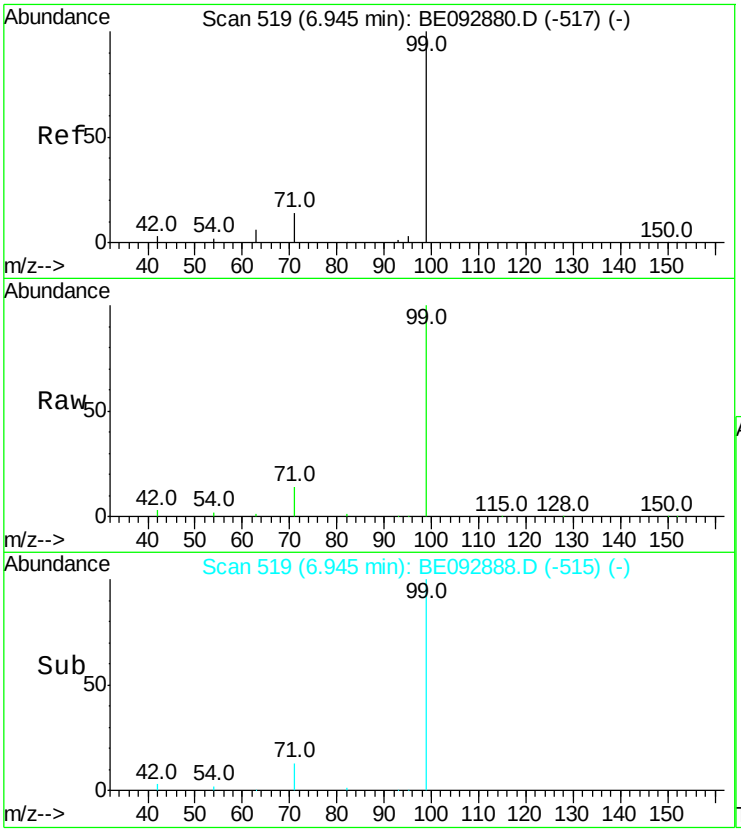


#4
2-Fluorophenol
Concen: 13.00 ng
RT: 5.36 min Scan# 267
Delta R.T. -0.00 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Tgt Ion:112 Resp: 20120

Ion	Ratio	Lower	Upper
112	100		
64	69.2	53.5	80.3
63	35.7	27.9	41.9



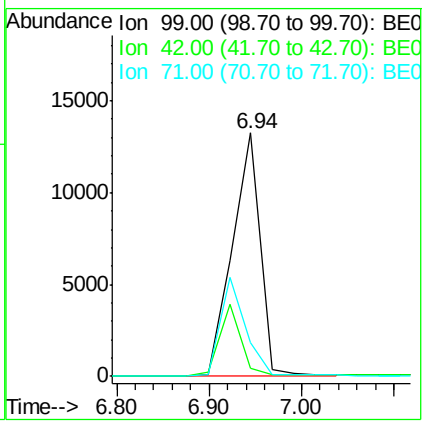


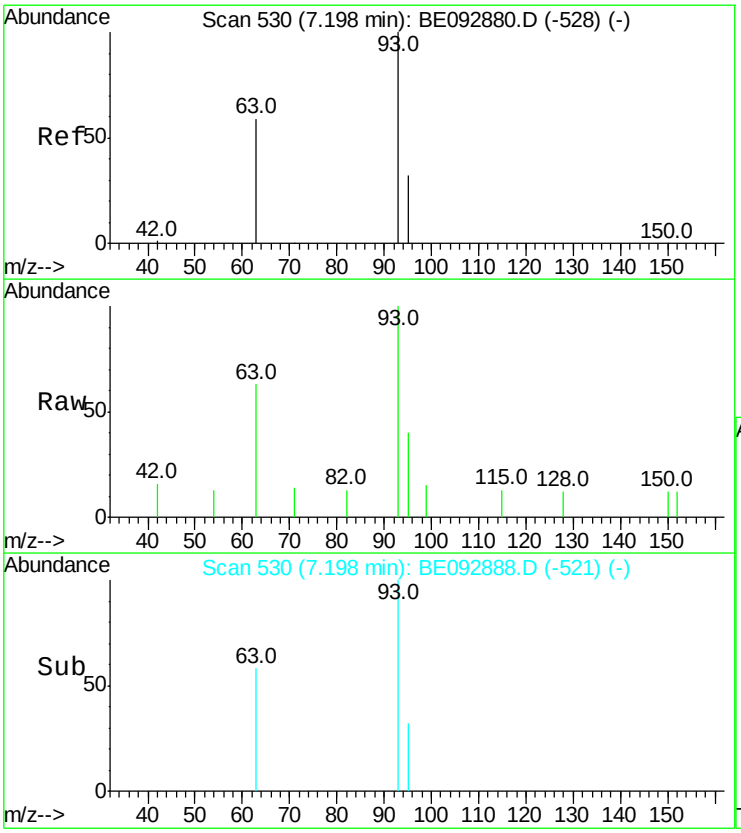
#5
Phenol-d6
Concen: 12.43 ng
RT: 6.94 min Scan# 519
Delta R.T. -0.00 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-06-QT2-2017

Tgt Ion: 99 Resp: 27611

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	0.0	30.6	45.8#

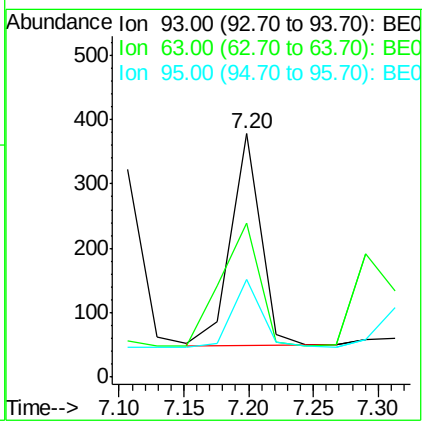


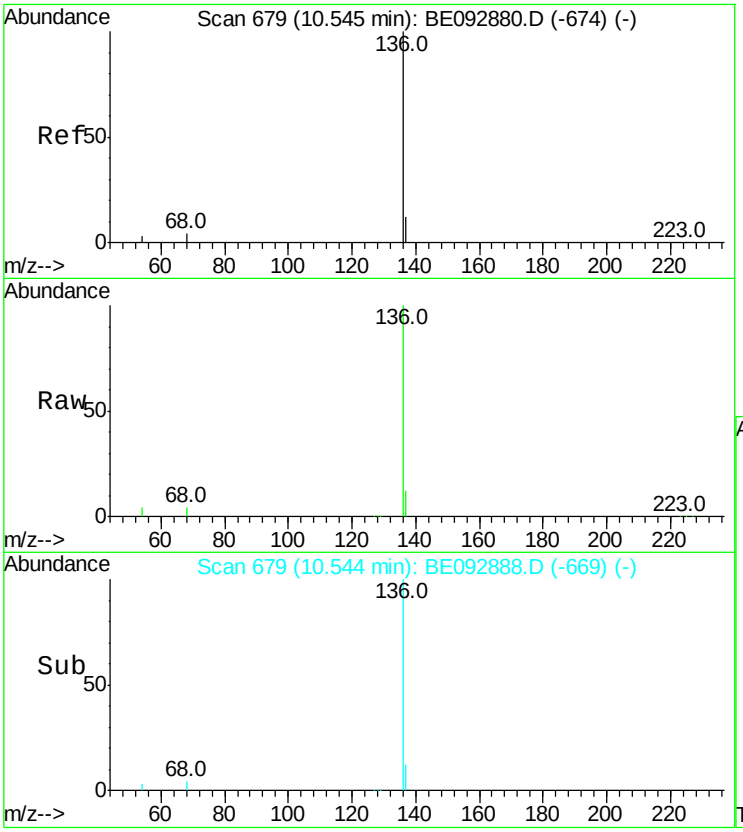


#6
bis(2-Chloroethyl)ether
Concen: 0.21 ng
RT: 7.20 min Scan# 530
Delta R.T. -0.00 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Tgt Ion: 93 Resp: 532

Ion	Ratio	Lower	Upper
93	100		
63	75.6	16.0	24.0#
95	32.0	24.0	36.0



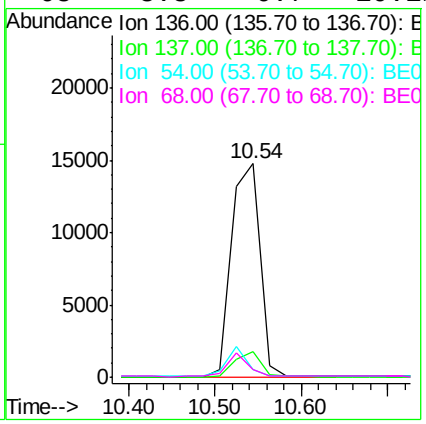


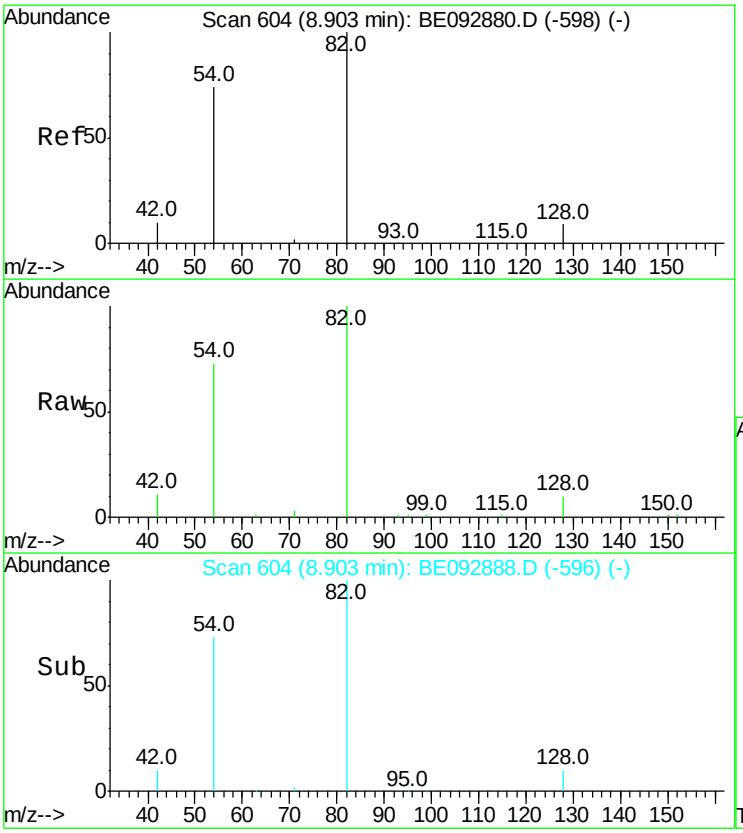
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.54 min Scan# 679
Delta R.T. -0.00 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-06-QT2-2017

Tgt Ion:136 Resp: 33640

Ion	Ratio	Lower	Upper
136	100		
137	12.2	8.2	12.4
54	3.6	9.6	14.4#
68	3.8	6.7	10.1#

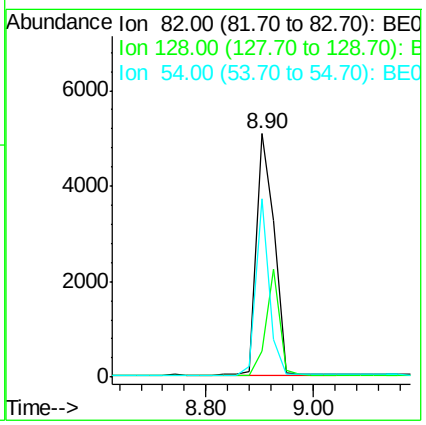


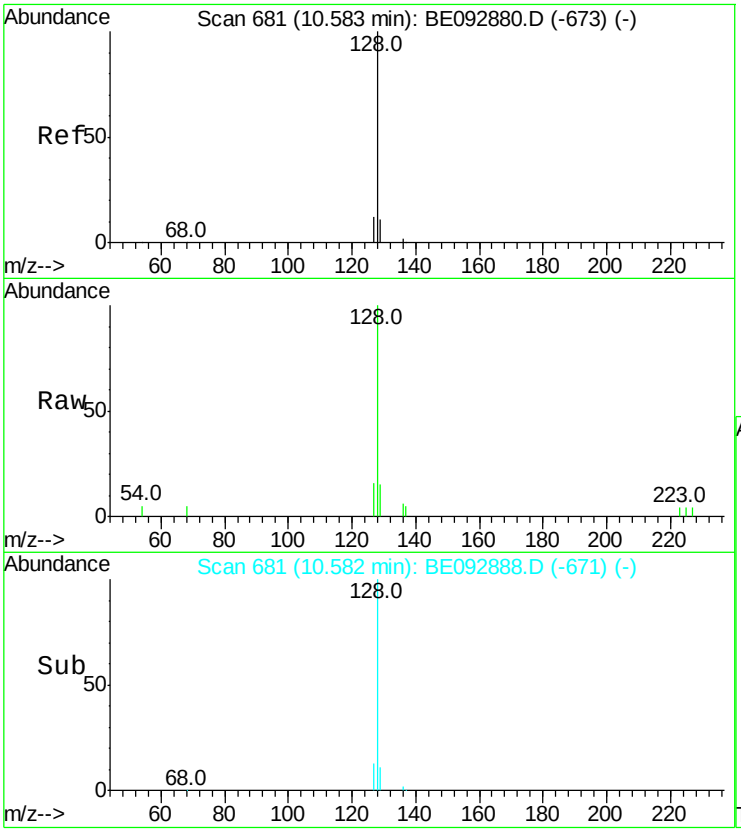


#8
Nitrobenzene-d5
Concen: 6.10 ng
RT: 8.90 min Scan# 604
Delta R.T. -0.02 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Tgt Ion: 82 Resp: 11753

Ion	Ratio	Lower	Upper
82	100		
128	10.4	39.0	58.4#
54	73.1	44.8	67.2#



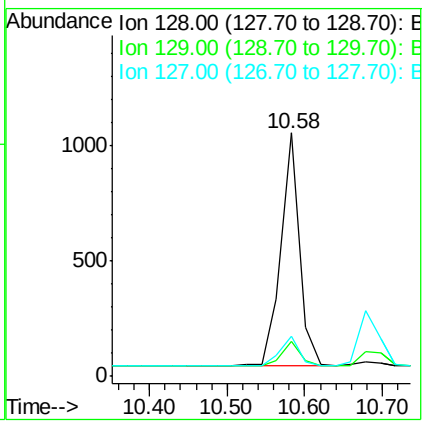


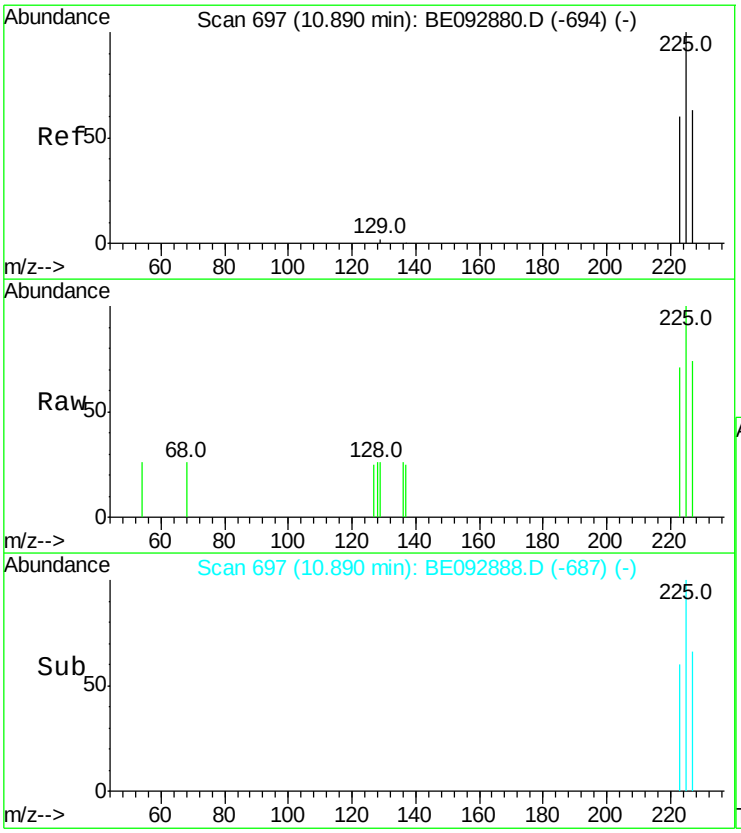
#9
Naphthalene
Concen: 0.23 ng
RT: 10.58 min Scan# 681
Delta R.T. -0.00 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-06-QT2-2017

Tgt Ion:128 Resp: 1704

Ion	Ratio	Lower	Upper
128	100		
129	14.6	11.2	16.8
127	16.3	11.6	17.4

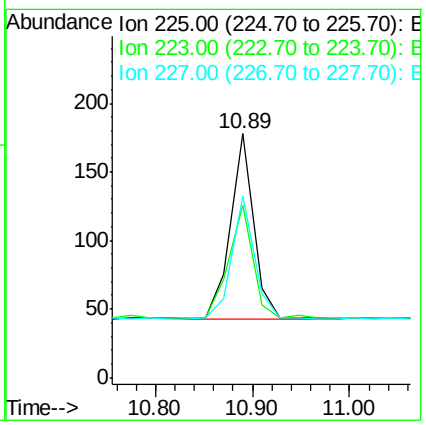


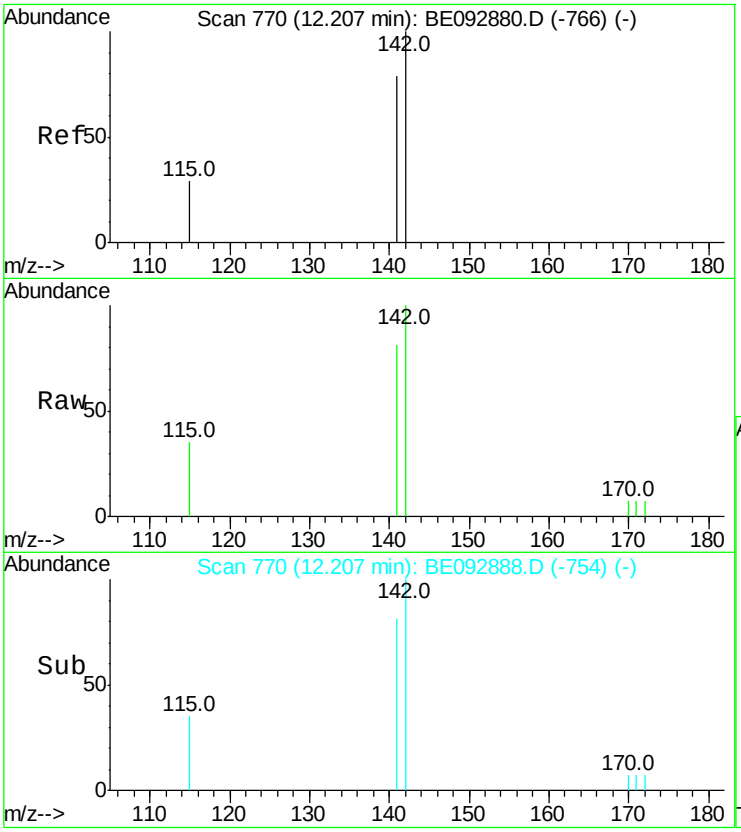


#10
Hexachlorobutadiene
Concen: 0.22 ng
RT: 10.89 min Scan# 697
Delta R.T. -0.00 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Tgt Ion:225 Resp: 223

Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.6	76.0
227	64.6	51.4	77.0



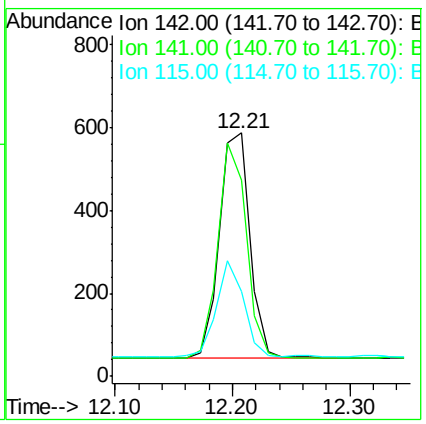


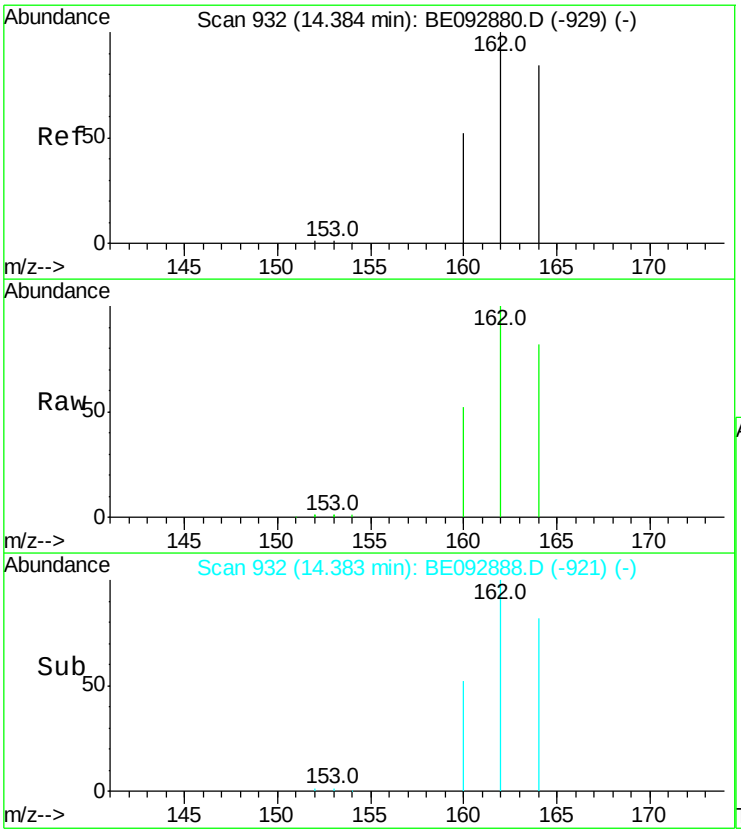
#11
2-Methylnaphthalene
Concen: 0.21 ng
RT: 12.21 min Scan# 770
Delta R.T. -0.00 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-06-QT2-2017

Tgt Ion:142 Resp: 964

Ion	Ratio	Lower	Upper
142	100		
141	80.6	73.7	110.5
115	34.7	34.0	51.0

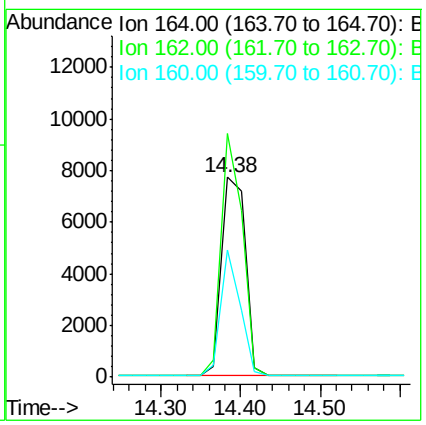


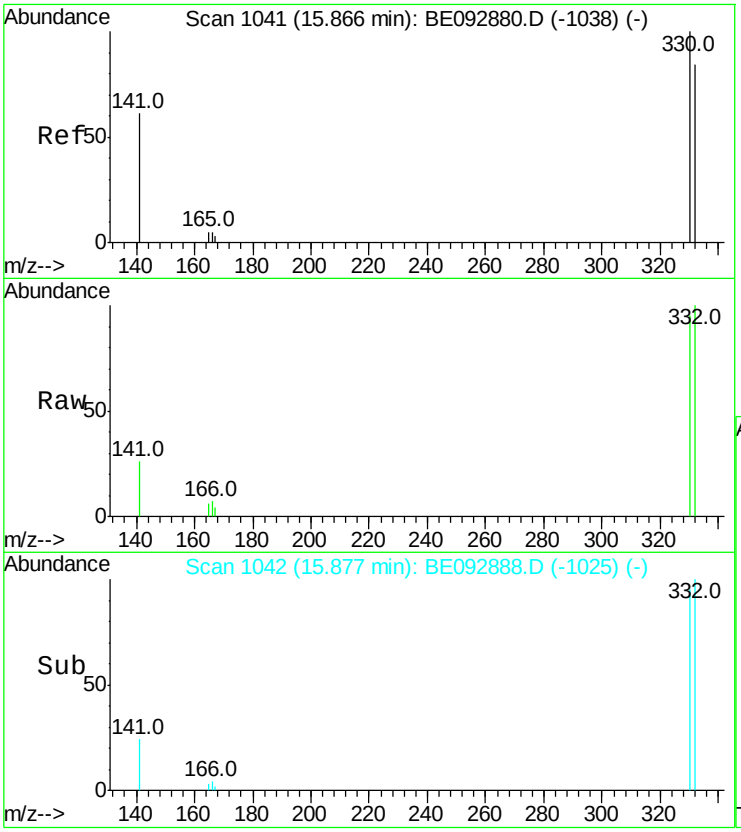


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.38 min Scan# 932
Delta R.T. -0.02 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Tgt Ion:164 Resp: 15902

Ion	Ratio	Lower	Upper
164	100		
162	121.9	71.4	107.0#
160	63.9	27.4	41.2#



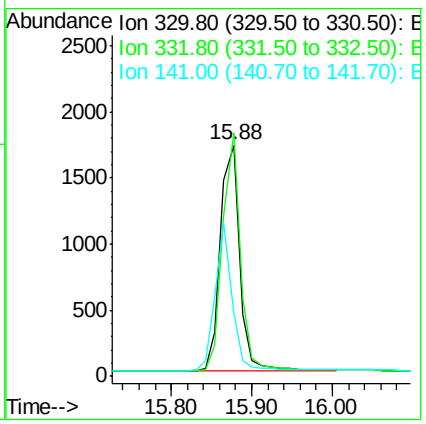


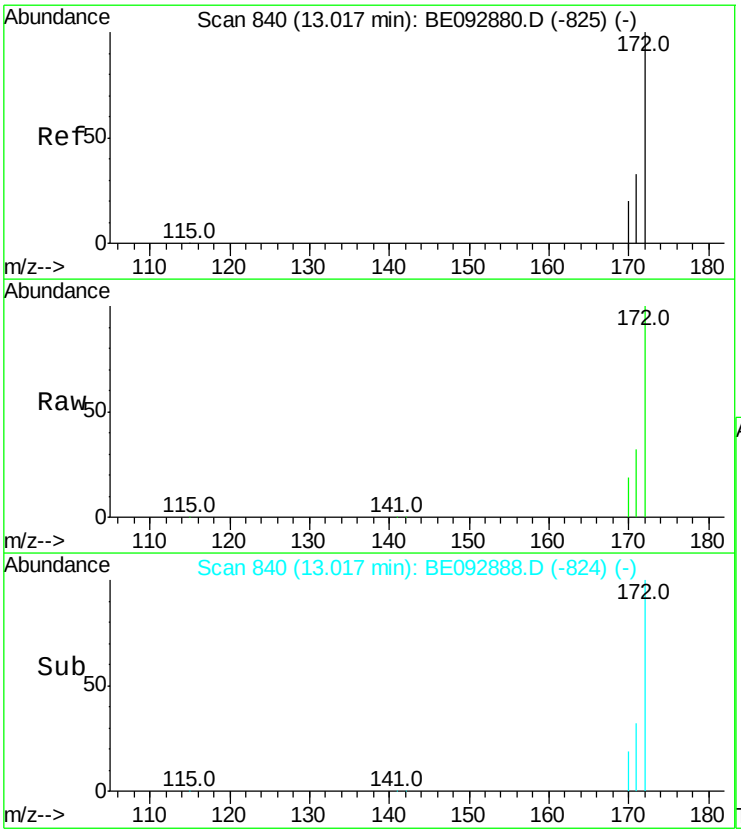
#13
2,4,6-Tribromophenol
Concen: 13.89 ng
RT: 15.88 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-06-QT2-2017

Tgt Ion:330 Resp: 2839

Ion	Ratio	Lower	Upper
330	100		
332	96.8	75.4	113.0
141	57.1	31.0	46.6#

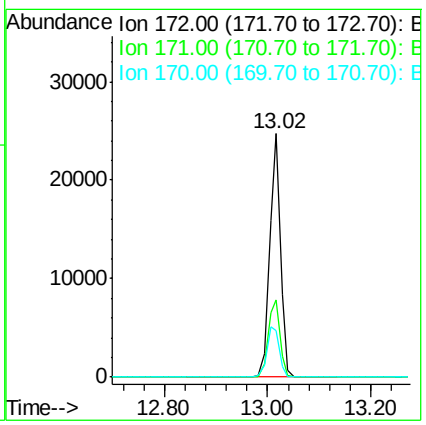


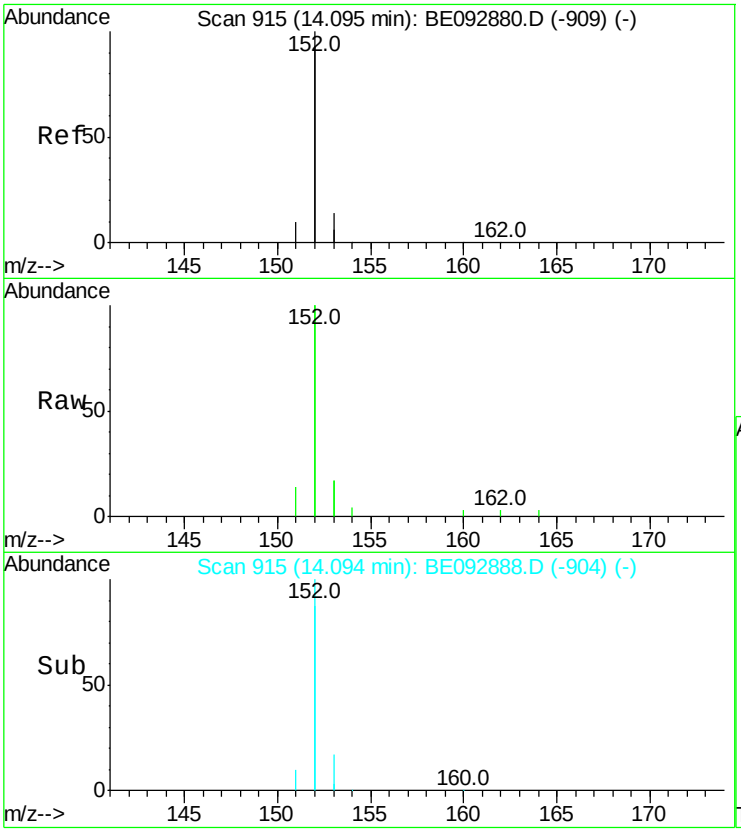


#14
2-Fluorobiphenyl
Concen: 6.75 ng
RT: 13.02 min Scan# 840
Delta R.T. -0.01 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Tgt Ion:172 Resp: 36276

Ion	Ratio	Lower	Upper
172	100		
171	31.9	30.1	45.1
170	19.1	21.8	32.6#



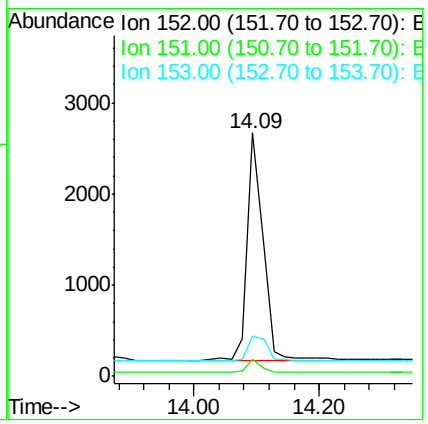


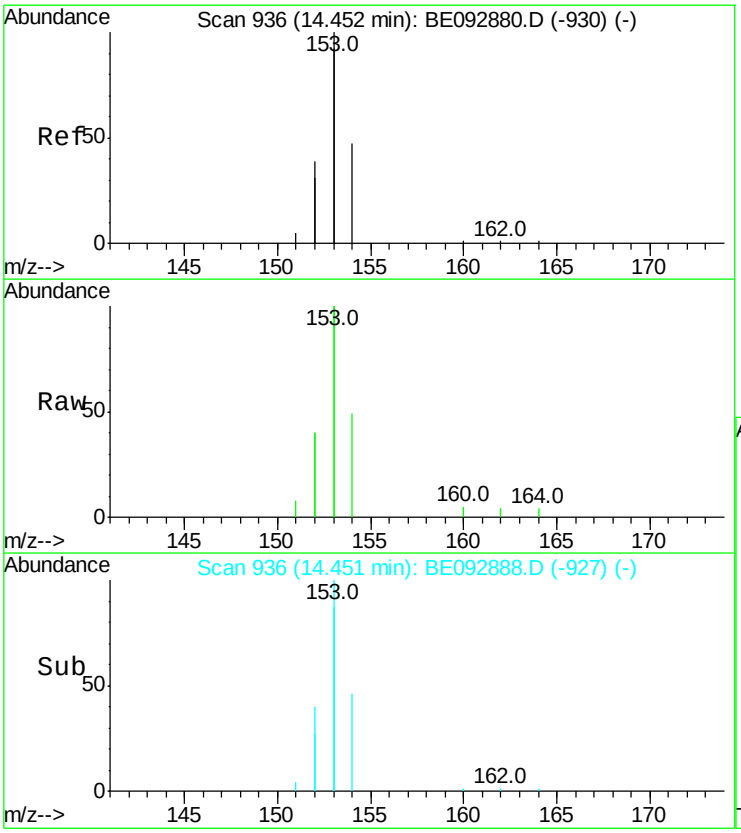
#15
Acenaphthylene
Concen: 0.19 ng
RT: 14.09 min Scan# 915
Delta R.T. -0.02 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-06-QT2-2017

Tgt Ion:152 Resp: 4354

Ion	Ratio	Lower	Upper
152	100		
151	5.1	3.9	5.9
153	12.7	10.4	15.6

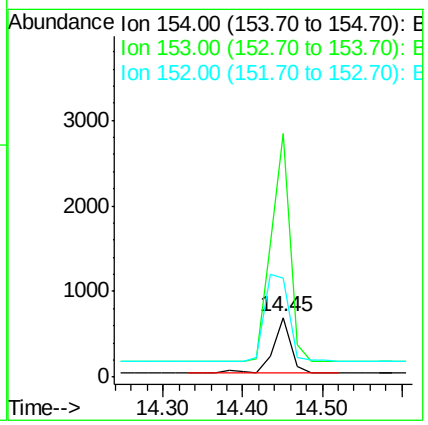


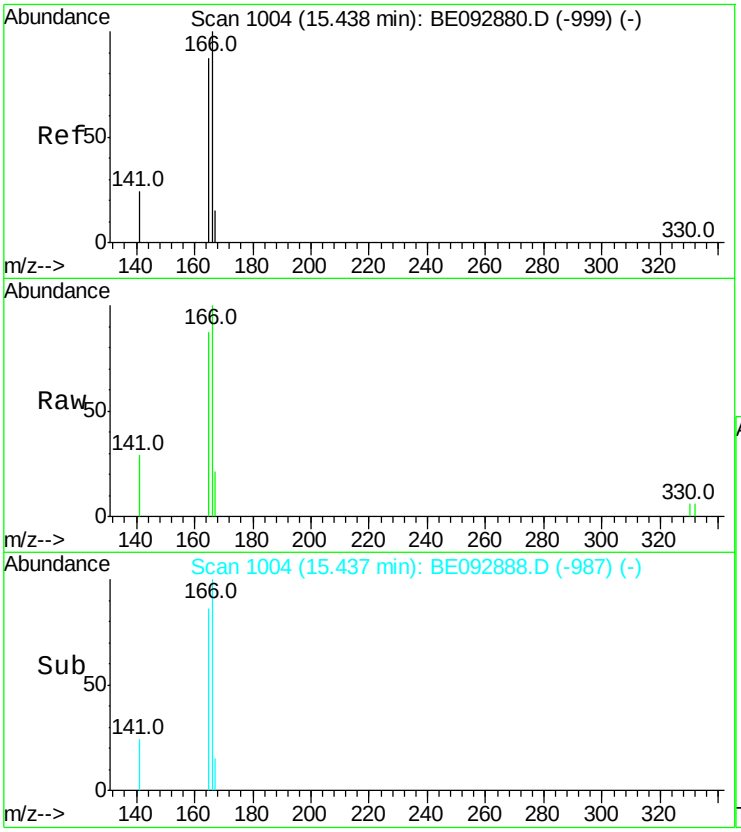


#16
Acenaphthene
Concen: 0.22 ng
RT: 14.45 min Scan# 936
Delta R.T. 0.00 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Tgt Ion:154 Resp: 1032

Ion	Ratio	Lower	Upper
154	100		
153	429.2	350.8	526.2
152	207.9	171.1	256.7



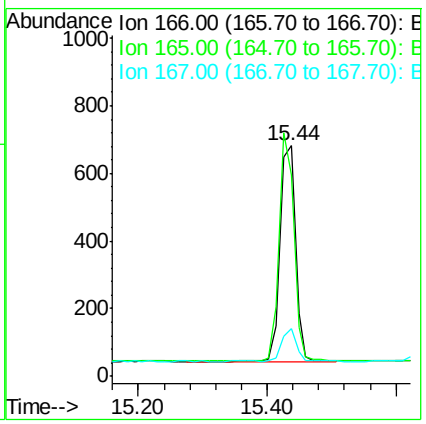


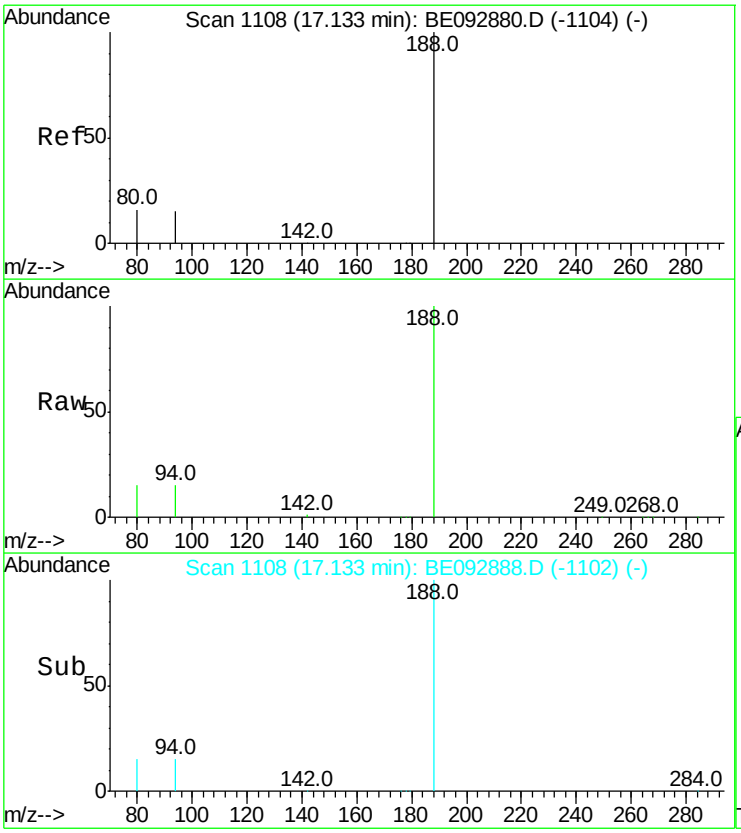
#17
Fluorene
Concen: 0.21 ng
RT: 15.44 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-06-QT2-2017

Tgt Ion:166 Resp: 1055

Ion	Ratio	Lower	Upper
166	100		
165	99.0	78.2	117.4
167	14.3	11.0	16.4

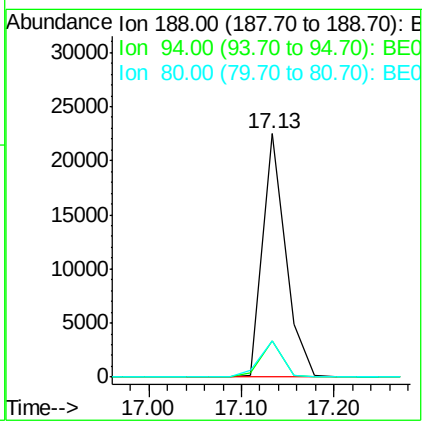


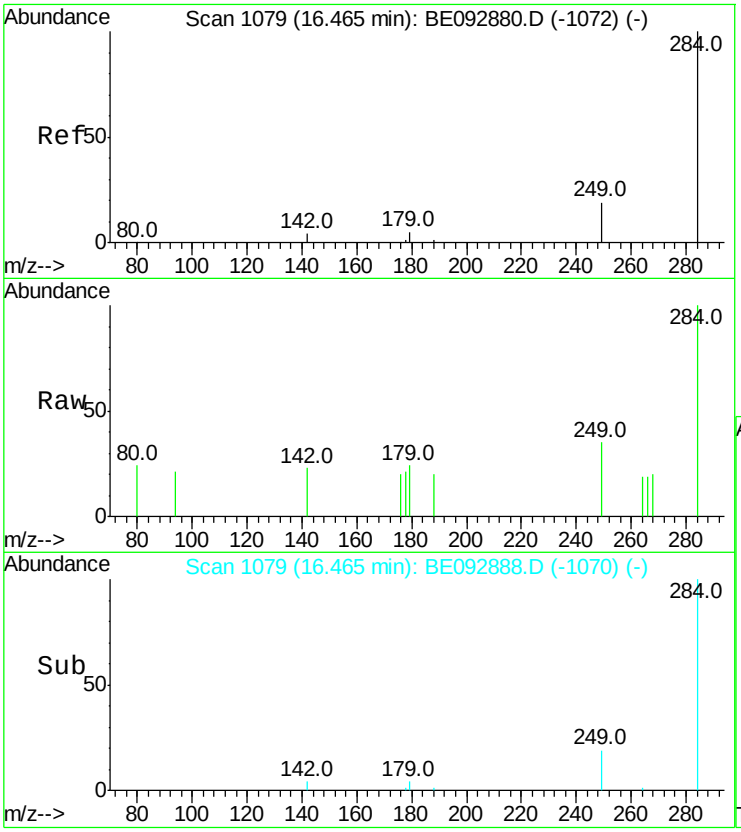


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.13 min Scan# 1108
Delta R.T. -0.02 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Tgt Ion:188 Resp: 38153

Ion	Ratio	Lower	Upper
188	100		
94	14.7	3.2	4.8#
80	15.0	2.6	3.8#



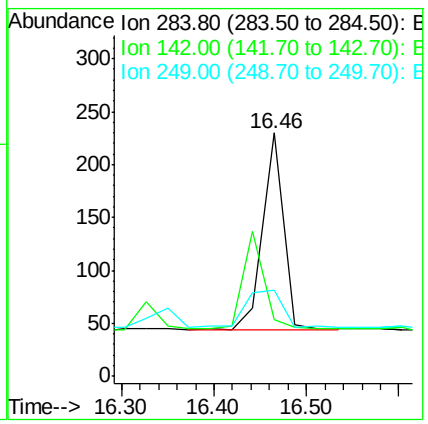


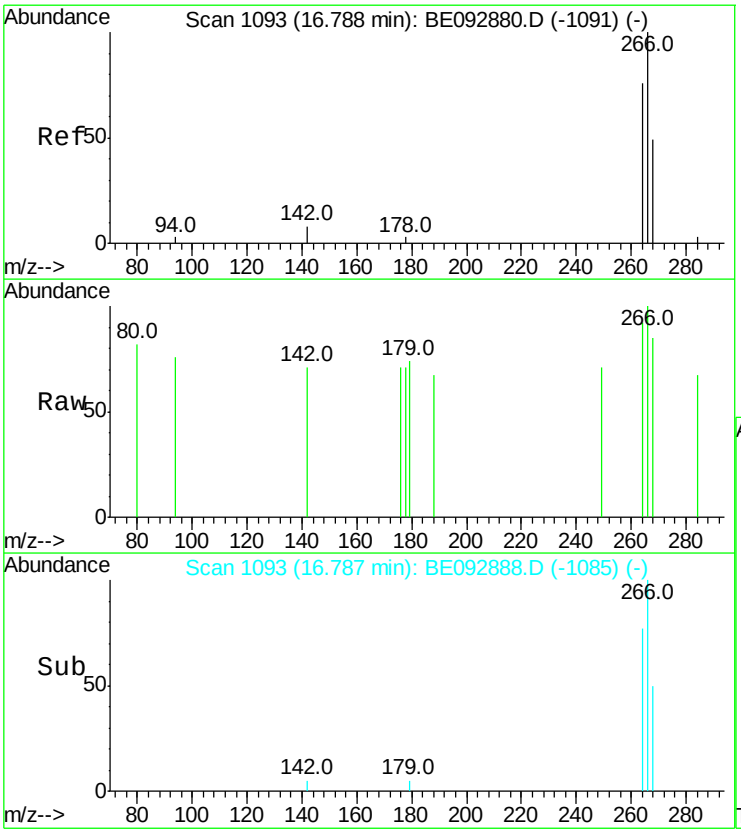
#19
Hexachlorobenzene
Concen: 0.21 ng
RT: 16.46 min Scan# 1079
Delta R.T. -0.00 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-06-QT2-2017

Tgt Ion:284 Resp: 297

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	33.0	27.9	41.9

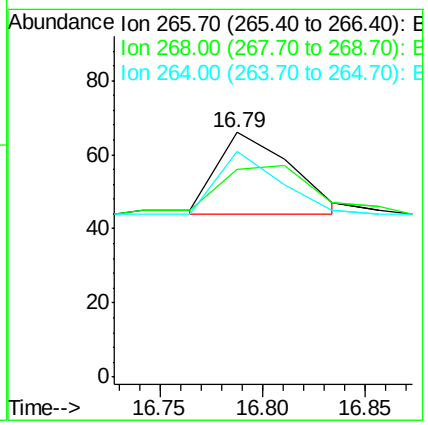


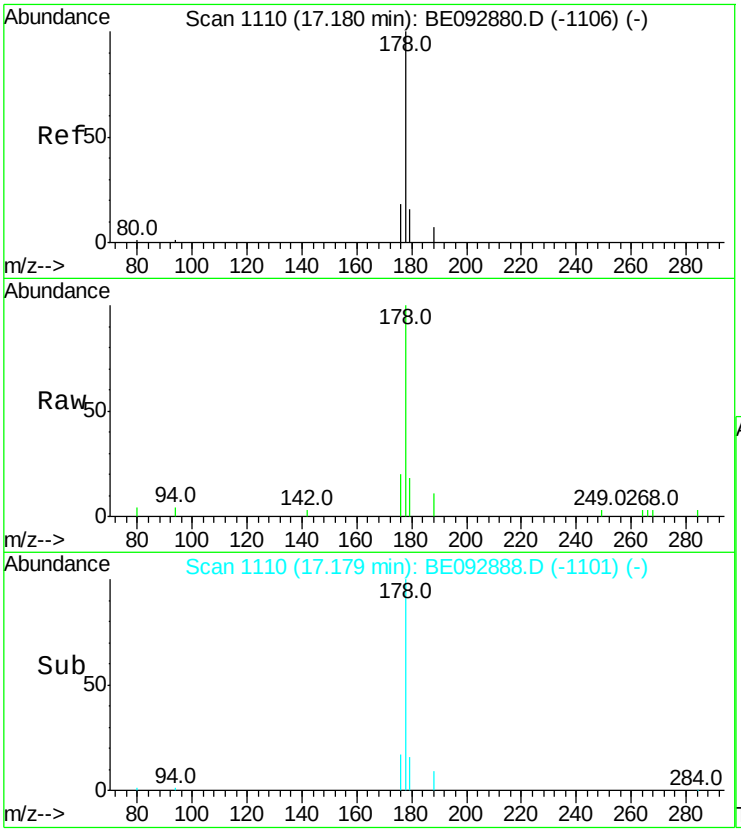


#20
Pentachlorophenol
Concen: 0.29 ng m
RT: 16.79 min Scan# 1093
Delta R.T. -0.02 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Tgt Ion:266 Resp: 55

Ion	Ratio	Lower	Upper
266	100		
268	84.8	62.5	93.7
264	92.4	57.2	85.8#



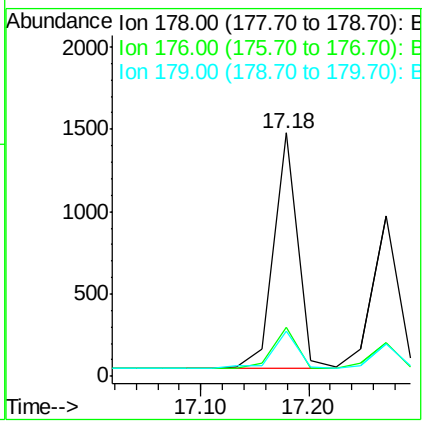


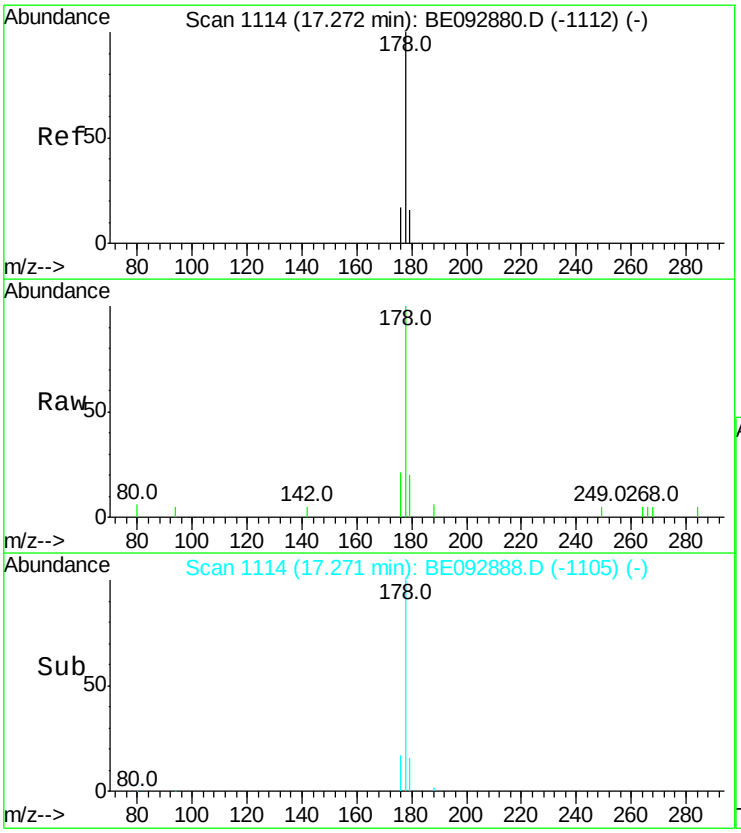
#21
Phenanthrene
Concen: 0.22 ng
RT: 17.18 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-06-QT2-2017

Tgt Ion:178 Resp: 2221

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	16.6	16.0	24.0

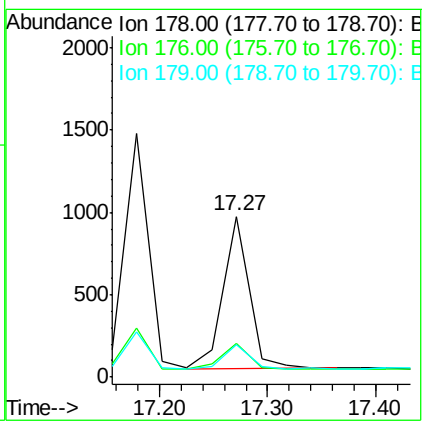


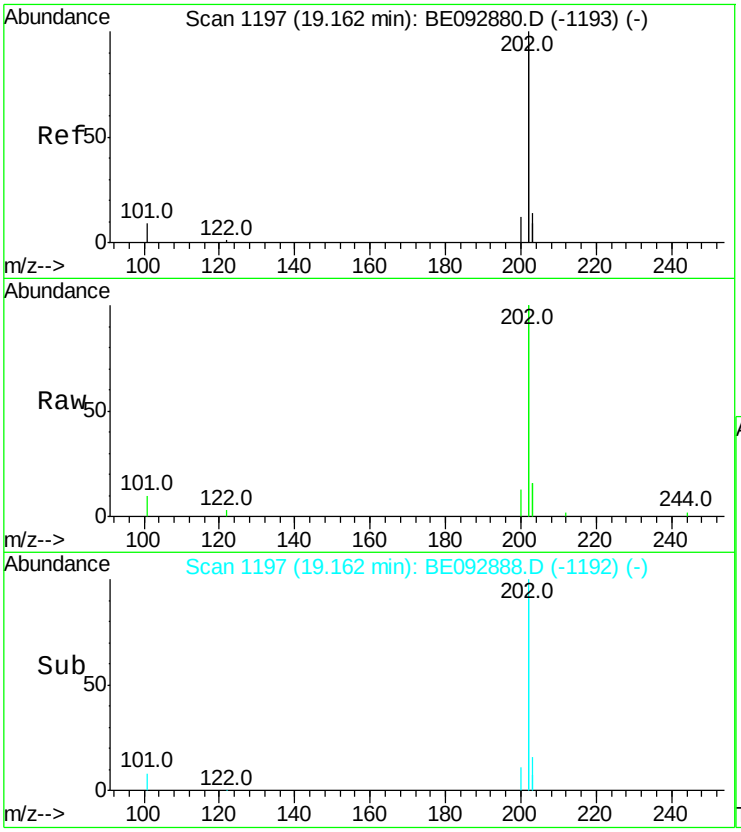


#22
Anthracene
Concen: 0.19 ng
RT: 17.27 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Tgt Ion:178 Resp: 1556

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.4
179	15.8	12.2	18.2



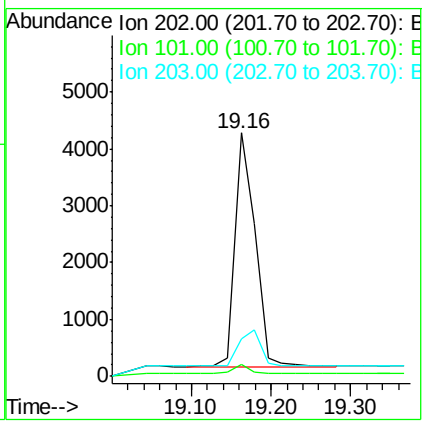


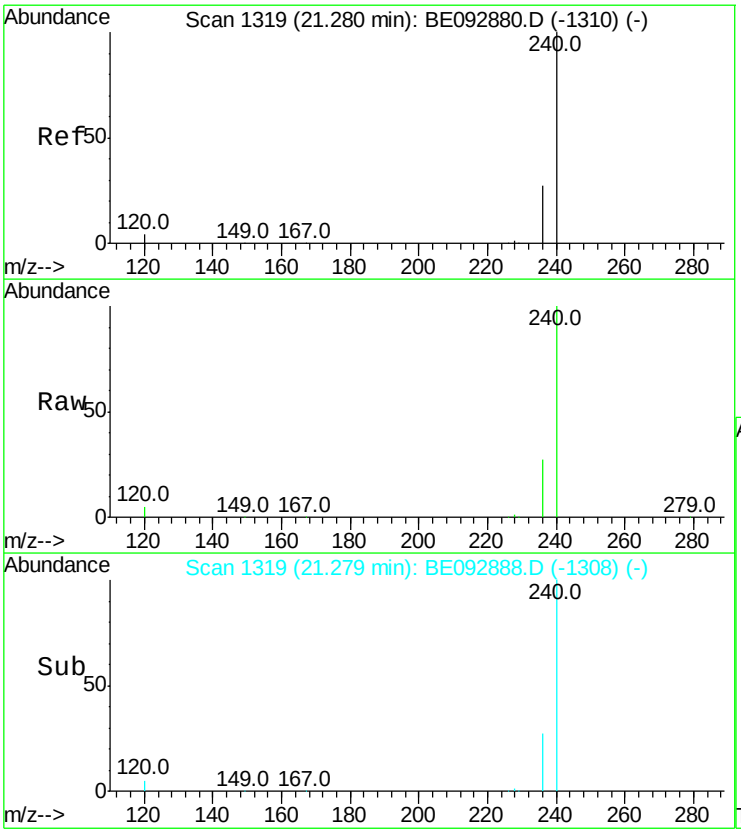
#23
Fluoranthene
Concen: 0.19 ng
RT: 19.16 min Scan# 1197
Delta R.T. -0.02 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-06-QT2-2017

Tgt Ion:202 Resp: 7197

Ion	Ratio	Lower	Upper
202	100		
101	3.1	2.2	3.4
203	17.2	13.7	20.5

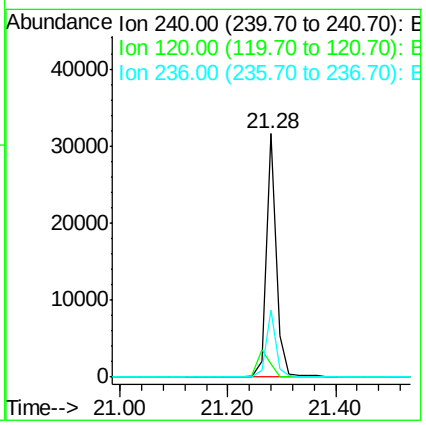


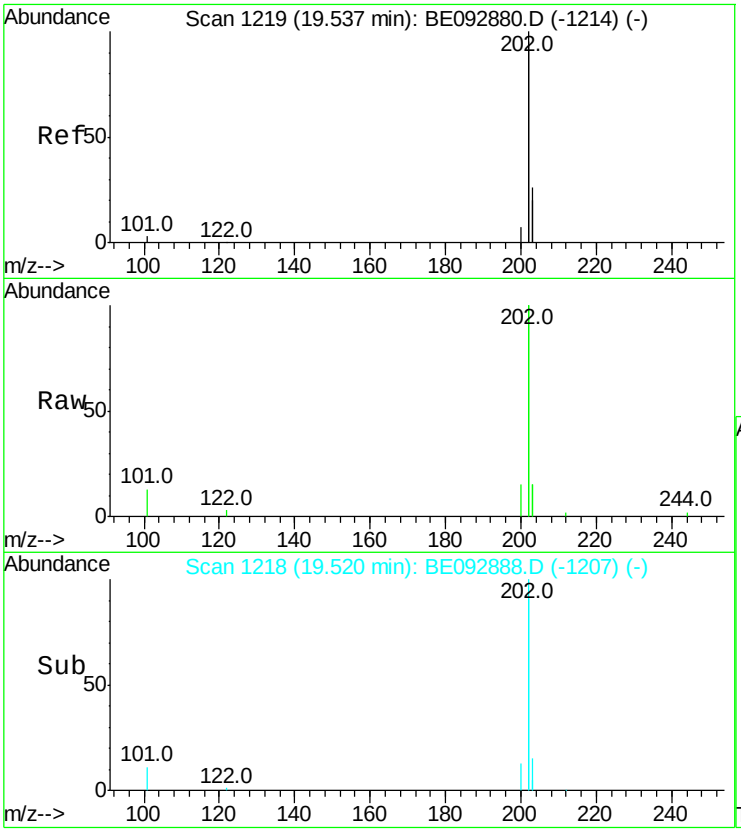


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.28 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Tgt Ion:240 Resp: 41504

Ion	Ratio	Lower	Upper
240	100		
120	5.3	2.6	4.0#
236	27.4	24.6	37.0



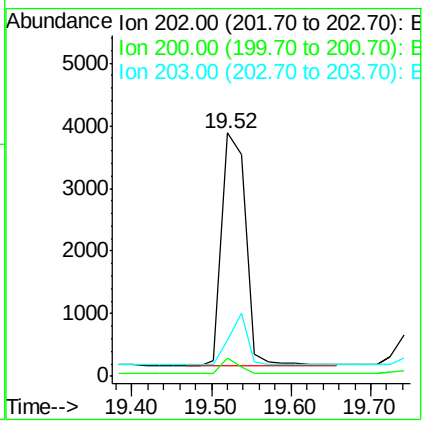


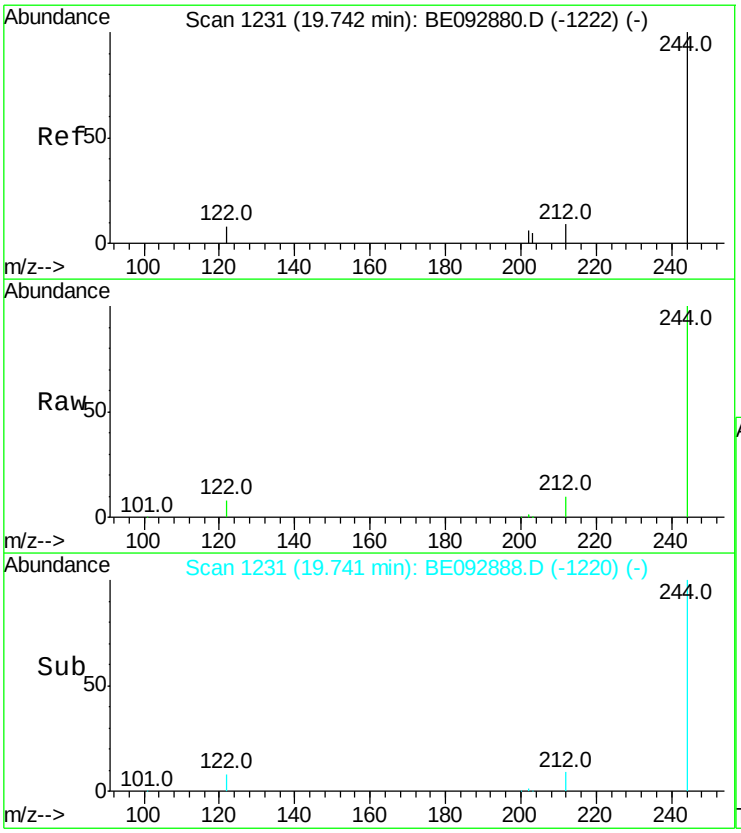
#25
Pyrene
Concen: 0.21 ng
RT: 19.52 min Scan# 1218
Delta R.T. -0.02 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-06-QT2-2017

Tgt Ion:202 Resp: 7625

Ion	Ratio	Lower	Upper
202	100		
200	5.1	4.2	6.4
203	17.9	13.9	20.9

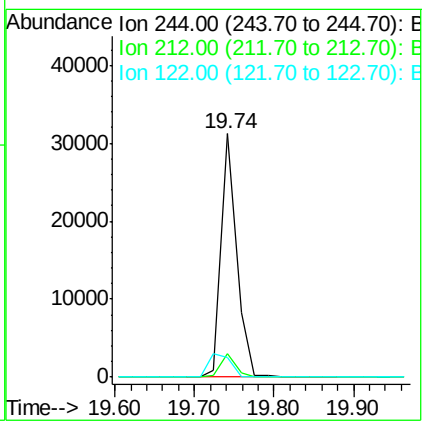


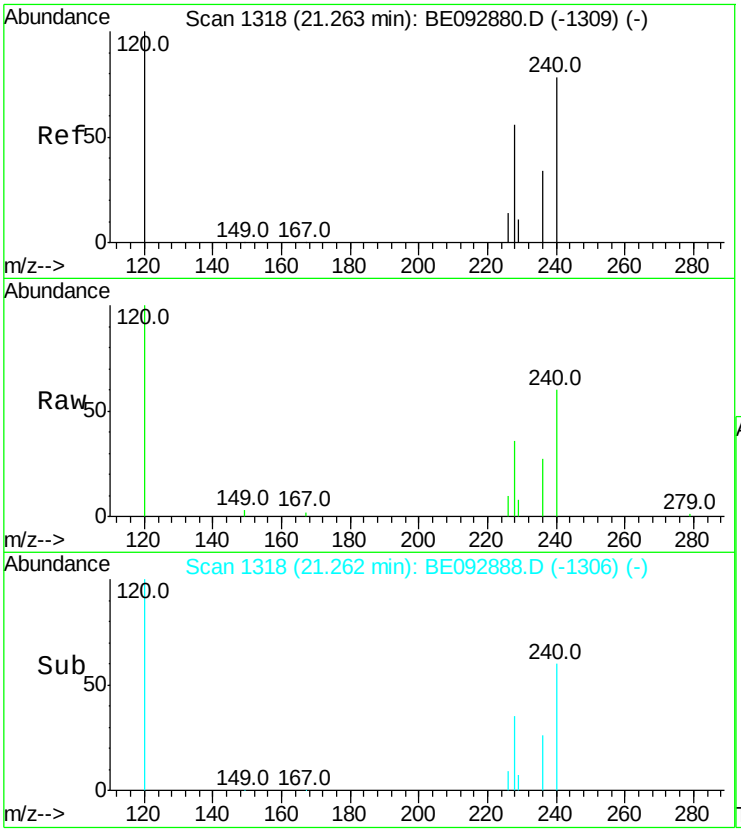


#26
Terphenyl-d14
Concen: 6.54 ng
RT: 19.74 min Scan# 1231
Delta R.T. -0.02 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Tgt Ion:244 Resp: 41690

Ion	Ratio	Lower	Upper
244	100		
212	9.6	6.7	10.1
122	7.9	3.6	5.4#



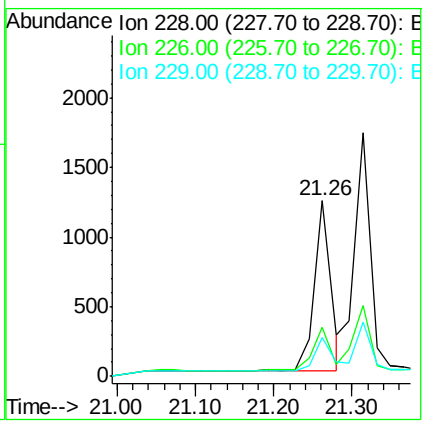


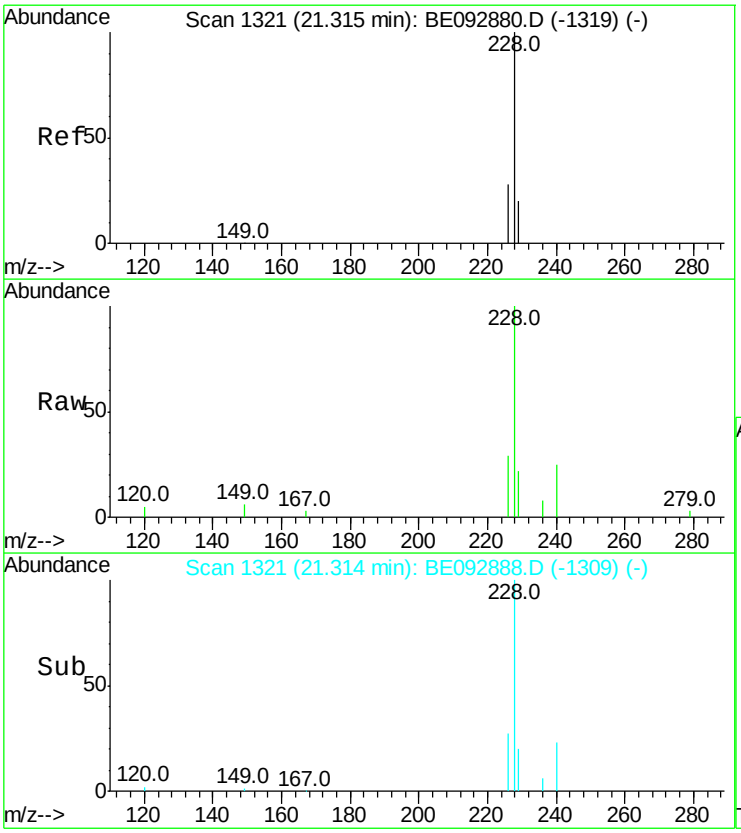
#27
Benzo(a)anthracene
Concen: 0.20 ng
RT: 21.26 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-06-QT2-2017

Tgt Ion:228 Resp: 1756

Ion	Ratio	Lower	Upper
228	100		
226	28.0	23.6	35.4
229	22.2	13.3	19.9#

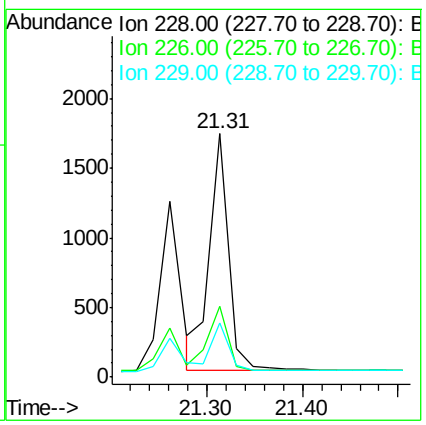


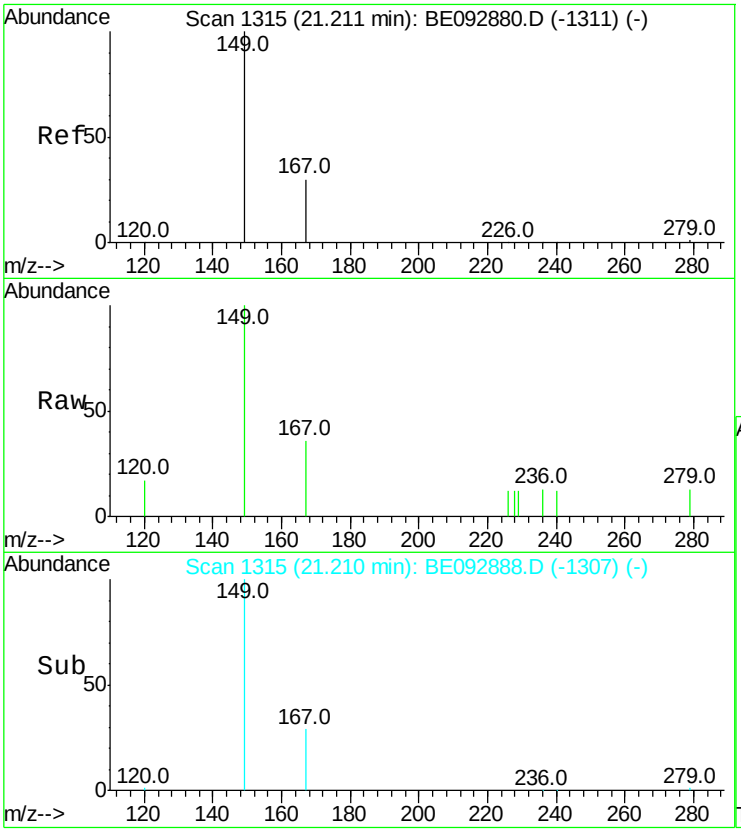


#28
Chrysene
Concen: 0.23 ng
RT: 21.31 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Tgt Ion:228 Resp: 2348

Ion	Ratio	Lower	Upper
228	100		
226	29.1	36.3	54.5#
229	22.1	10.6	16.0#



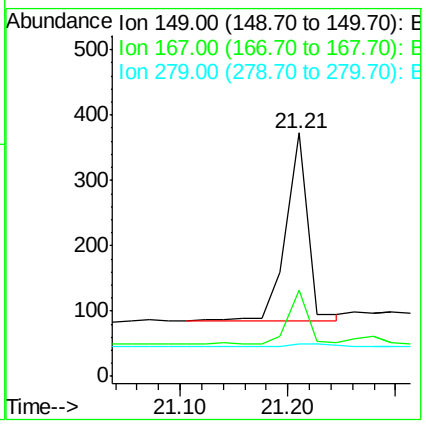


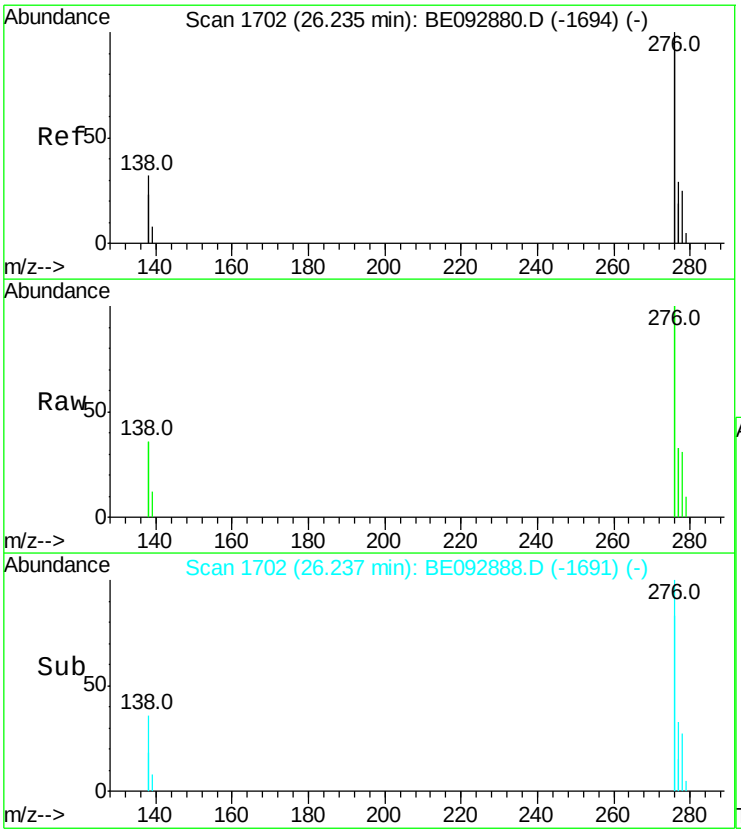
#29
Bis(2-ethylhexyl)phthalate
Concen: 0.19 ng
RT: 21.21 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-06-QT2-2017

Tgt Ion:149 Resp: 409

Ion	Ratio	Lower	Upper
149	100		
167	25.2	16.0	24.0#
279	2.2	16.0	24.0#

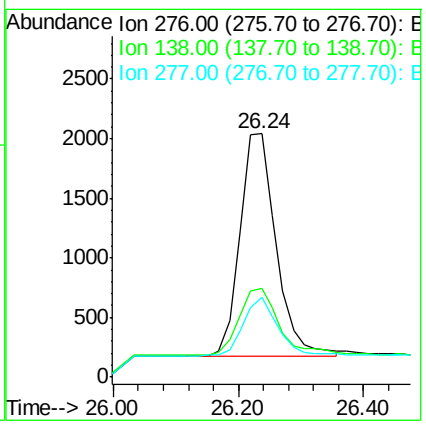


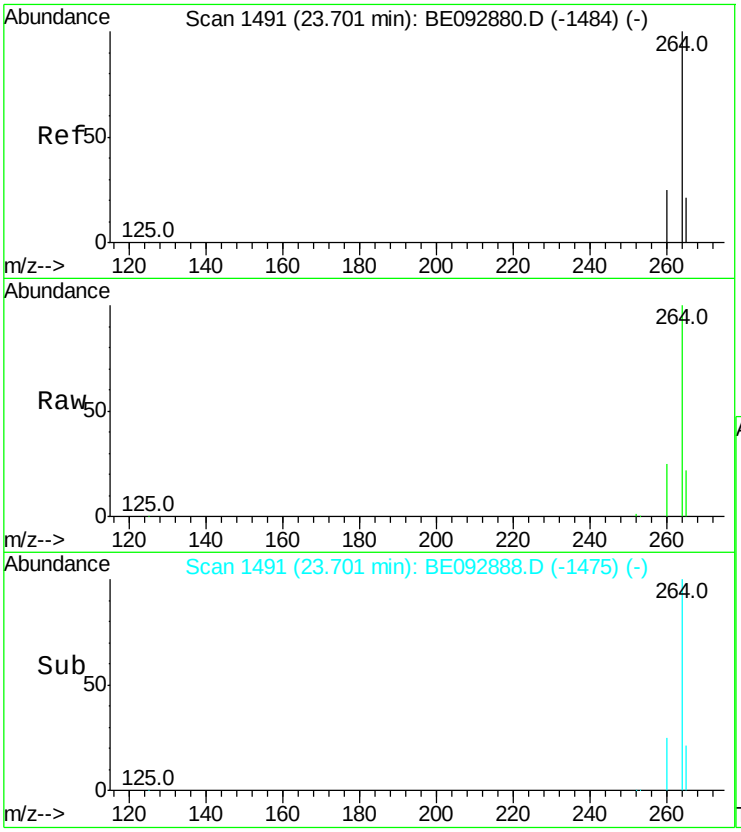


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.22 ng
RT: 26.24 min Scan# 1702
Delta R.T. -0.02 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Tgt Ion:276 Resp: 7490

Ion	Ratio	Lower	Upper
276	100		
138	33.3	20.3	30.5#
277	24.8	19.7	29.5



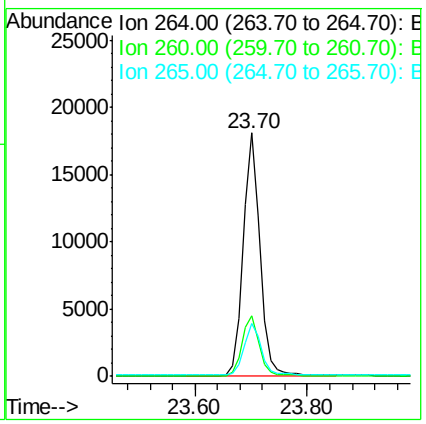


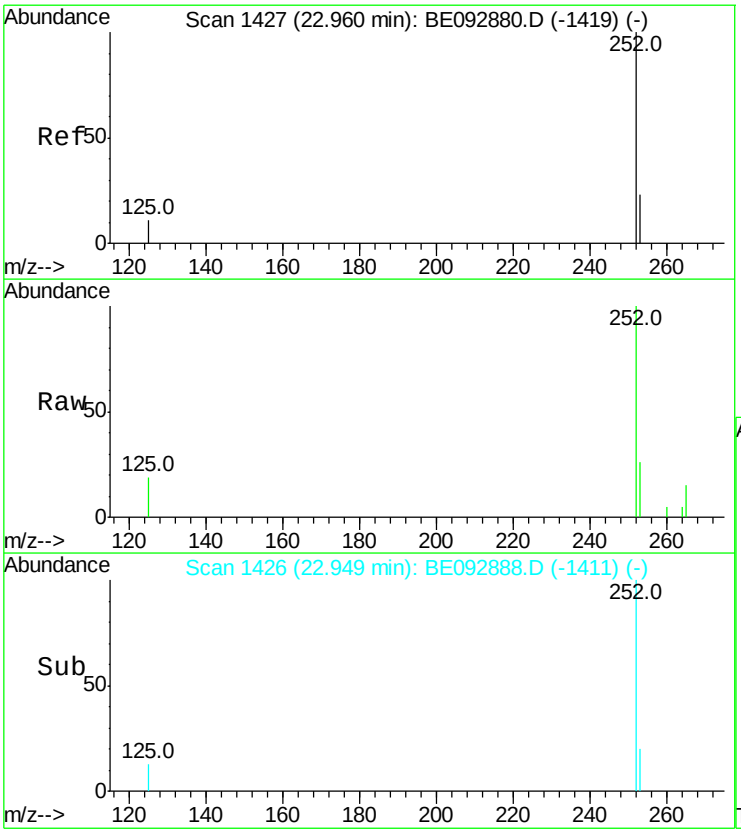
#31
Perylene-d12
Concen: 5.00 ng
RT: 23.70 min Scan# 1491
Delta R.T. -0.01 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-06-QT2-2017

Tgt Ion:264 Resp: 37823

Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.1	30.1
265	21.7	17.9	26.9

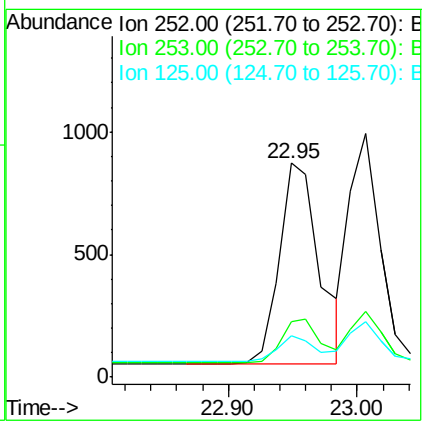


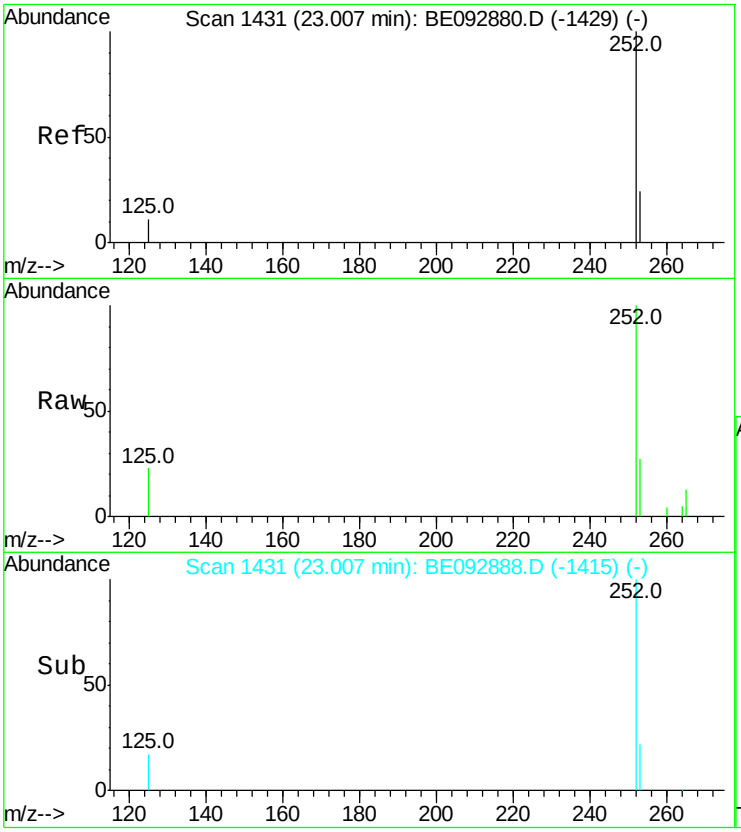


#32
Benzo(b)fluoranthene
Concen: 0.19 ng
RT: 22.95 min Scan# 1426
Delta R.T. -0.02 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Tgt Ion:252 Resp: 1781

Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.7	28.1
125	19.4	10.5	15.7#



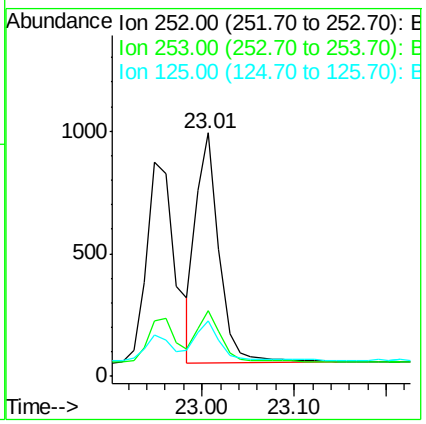


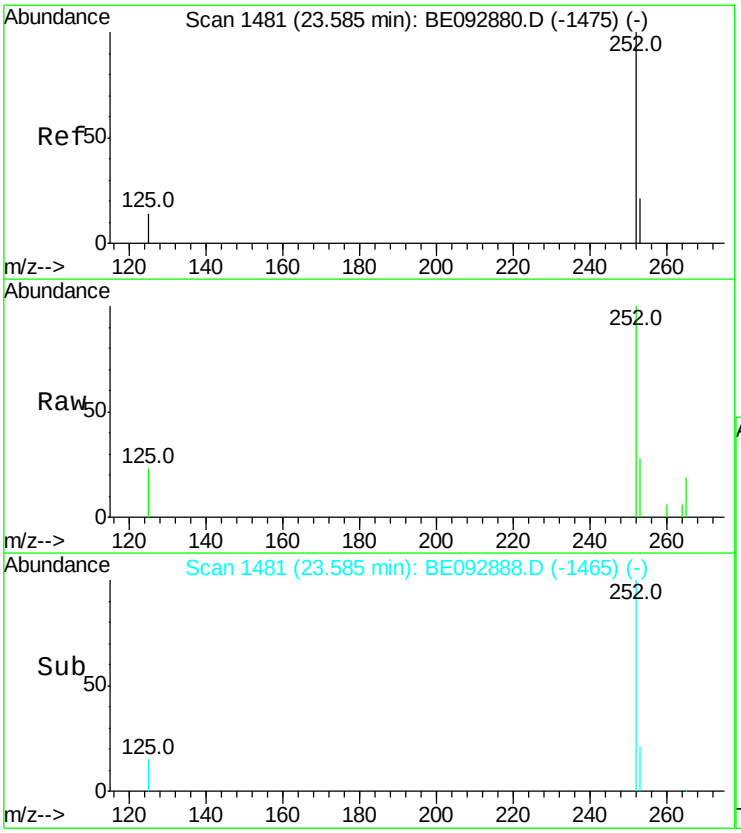
#33
Benzo(k)fluoranthene
Concen: 0.19 ng
RT: 23.01 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-06-QT2-2017

Tgt Ion:252 Resp: 1618

Ion	Ratio	Lower	Upper
252	100		
253	26.9	20.3	30.5
125	22.9	9.6	14.4#

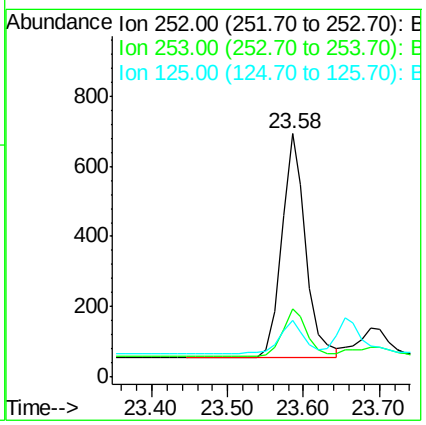


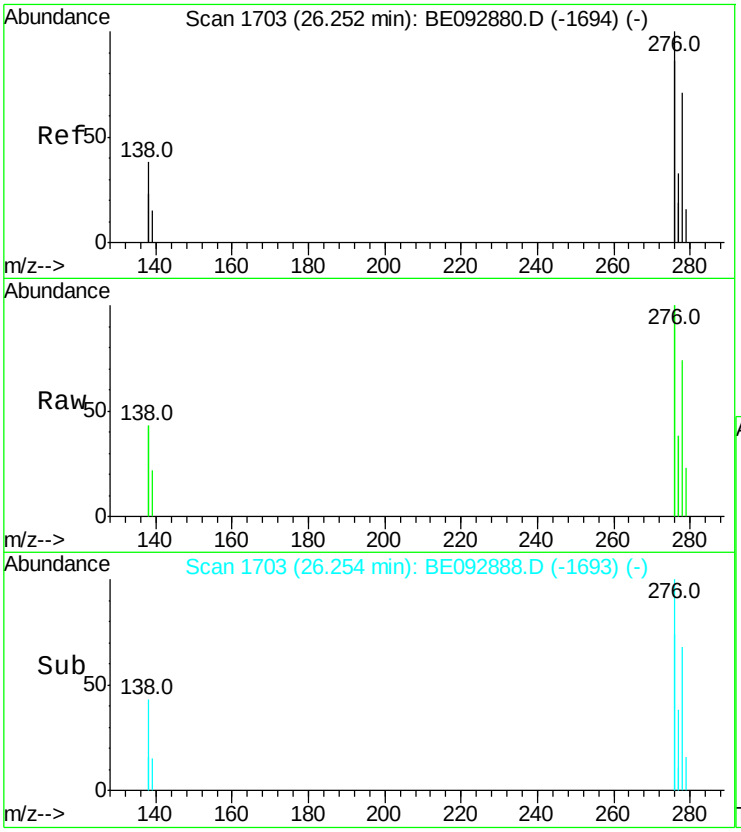


#34
Benzo(a)pyrene
Concen: 0.19 ng
RT: 23.58 min Scan# 1481
Delta R.T. -0.01 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Tgt Ion:252 Resp: 1412

Ion	Ratio	Lower	Upper
252	100		
253	28.1	19.0	28.6
125	23.1	11.8	17.8#



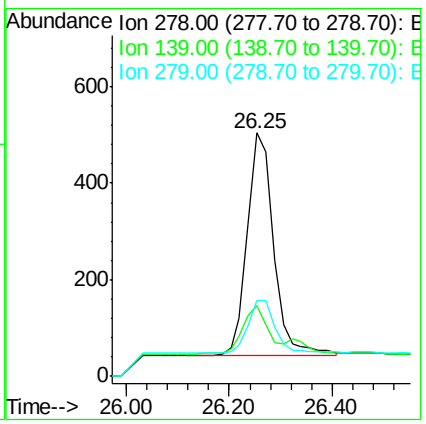


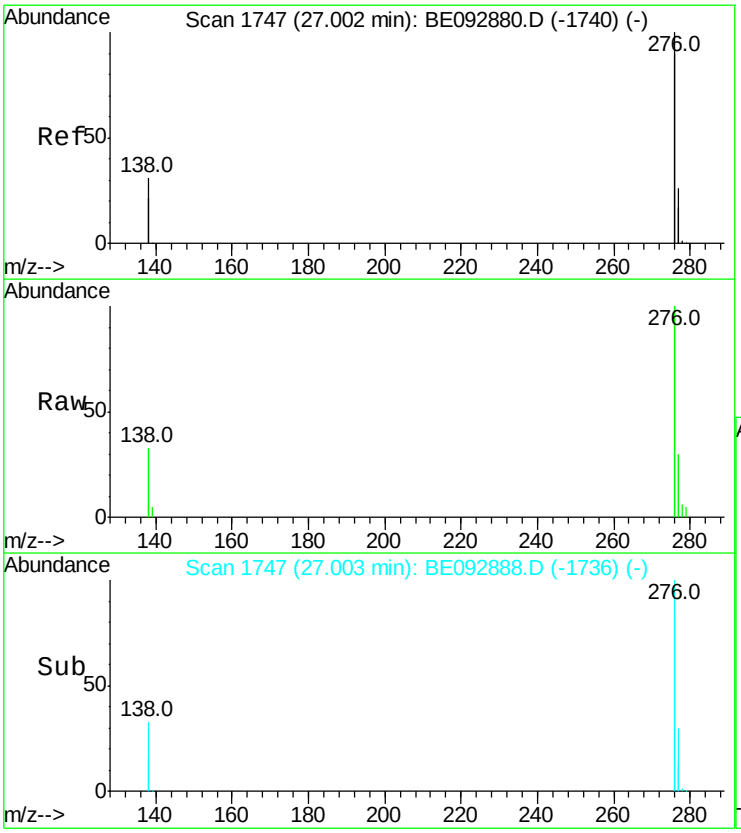
#35
Dibenzo(a,h)anthracene
Concen: 0.19 ng
RT: 26.25 min Scan# 1703
Delta R.T. -0.03 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-06-QT2-2017

Tgt Ion:278 Resp: 1622

Ion	Ratio	Lower	Upper
278	100		
139	29.0	13.8	20.8#
279	31.2	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 0.20 ng
RT: 27.00 min Scan# 1747
Delta R.T. -0.02 min
Lab File: BE092888.D
Acq: 4 Apr 2017 17:13

Tgt Ion:276 Resp: 6764

Ion	Ratio	Lower	Upper
276	100		
277	29.9	19.8	29.8#
138	32.8	19.8	29.6#