Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM010216\
Data File : BM003921.D
Acq On : 31 Dec 2015 19:16
Operator : SJ/UM
Sample : G4825-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : LOQ-WATER2016-02

Quant Time: Jan 04 13:58:56 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM010216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 13:33:21 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	38406	5.00	ng		0.00
7) Naphthalene-d8	10.46	136	154949	5.00	ng		0.00
13) Acenaphthene-d10	14.33	164	77456	5.00	ng		0.00
19) Phenanthrene-d10	17.06	188	200587	5.00	ng		0.00
26) Chrysene-d12	21.27	240	125721	5.00	ng		0.00
35) Perylene-d12	23.52	264	91831	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.27	112	68023	8.65	ng		0.00
5) Phenol-d6	6.85	99	84635	8.79	ng		0.00
8) Nitrobenzene-d5	8.84	82	32540	4.27	ng		0.00
14) 2,4,6-Tribromophenol	15.82	330	14029	6.09	ng		0.00
15) 2-Fluorobiphenyl	12.94	172	118621	4.75	ng		0.00
29) Terphenyl-d14	19.71	244	94355	4.64	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.17	88	723	0.16	ng		94
3) n-Nitrosodimethylamine	3.51	42	550	0.14	ng	#	99
6) bis(2-Chloroethyl)ether	7.11	93	1411	0.16	ng		96
9) Nitrobenzene	8.88	77	1445	0.18	ng	#	95
10) Naphthalene	10.51	128	6084	0.18	ng	#	96
11) Hexachlorobutadiene	10.80	225	923	0.18	ng		99
12) 2-Methylnaphthalene	12.14	142	3887	0.17	ng		98
16) Acenaphthylene	14.04	152	4760	0.15	ng		99
17) Acenaphthene	14.37	154	4183	0.19	ng		99
18) Fluorene	15.37	166	4367	0.16	ng		96
20) 4-Bromophenyl-phenylether	16.27	248	1195	0.19	ng	#	62
21) Hexachlorobenzene	16.40	284	1175	0.18	ng	#	48
22) Pentachlorophenol	16.76	266	110	0.19	ng	#	80
23) Phenanthrene	17.11	178	7682	0.13	ng		97
24) Anthracene	17.19	178	6227m	0.15	ng		
25) Fluoranthene	19.14	202	7376	0.17	ng		99
27) Benzidine	19.36	184	477	0.17	ng	#	32
28) Pyrene	19.50	202	7573	0.17	ng		99
30) Benzo(a)anthracene	21.25	228	6373m	0.18	ng		
31) 3,3'-Dichlorobenzidine	21.21	252	1077	0.33	ng	#	93
32) Chrysene	21.31	228	6712m	0.18	ng		
33) Bis(2-ethylhexyl)phthalate	21.19	149	1981	0.43	ng	#	100
34) Indeno(1,2,3-cd)pyrene	25.77	276	4477	0.17	ng		99
36) Benzo(b)fluoranthene	22.84	252	4699	0.17	ng	#	90
37) Benzo(k)fluoranthene	22.88	252	4977	0.18	ng	#	89
38) Benzo(a)pyrene	23.41	252	3919	0.16	ng	#	85
39) Dibenzo(a,h)anthracene	25.79	278	3552	0.17	ng	#	88
40) Benzo(g,h,i)perylene	26.46	276	4149	0.19	ng		92

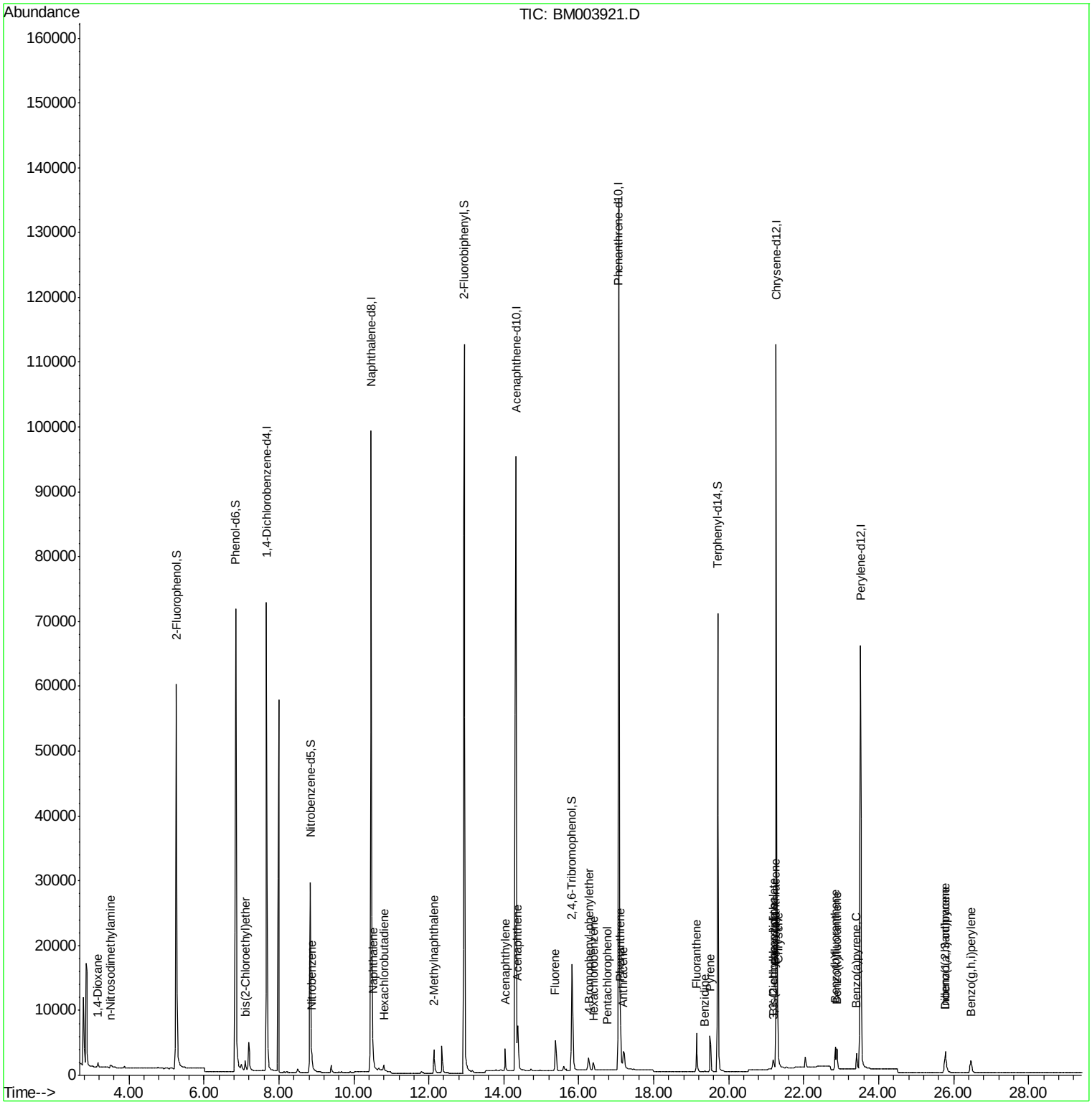
(#) = qualifier out of range (m) = manual integration (+) = signals summed

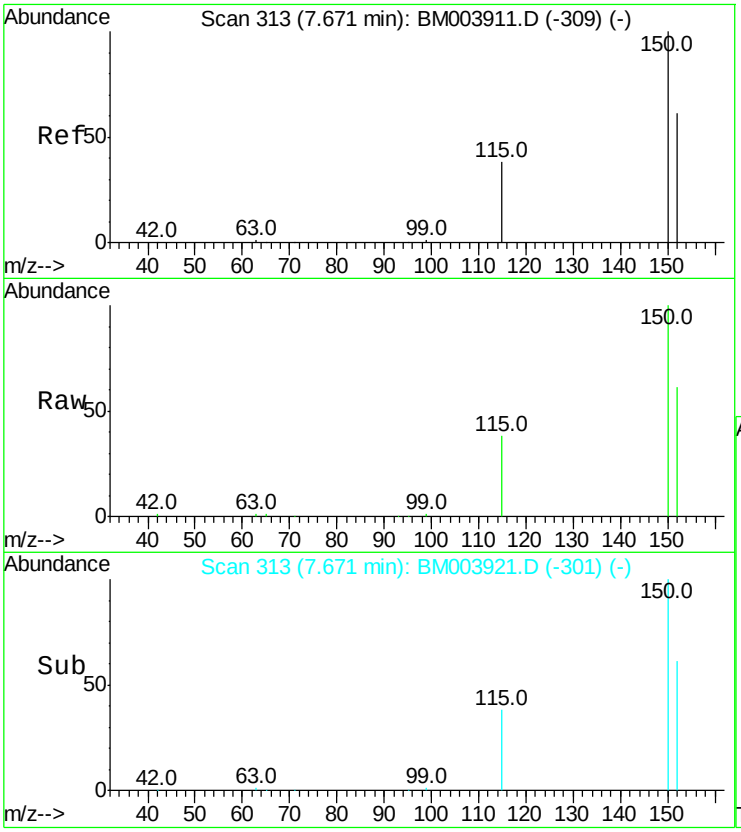
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM010216\
Data File : BM003921.D
Acq On : 31 Dec 2015 19:16
Operator : SJ/UM
Sample : G4825-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER2016-02

Quant Time: Jan 04 13:58:56 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM010216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 13:33:21 2016
Response via : Initial Calibration



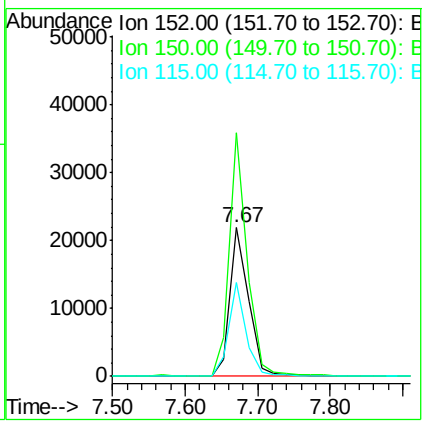


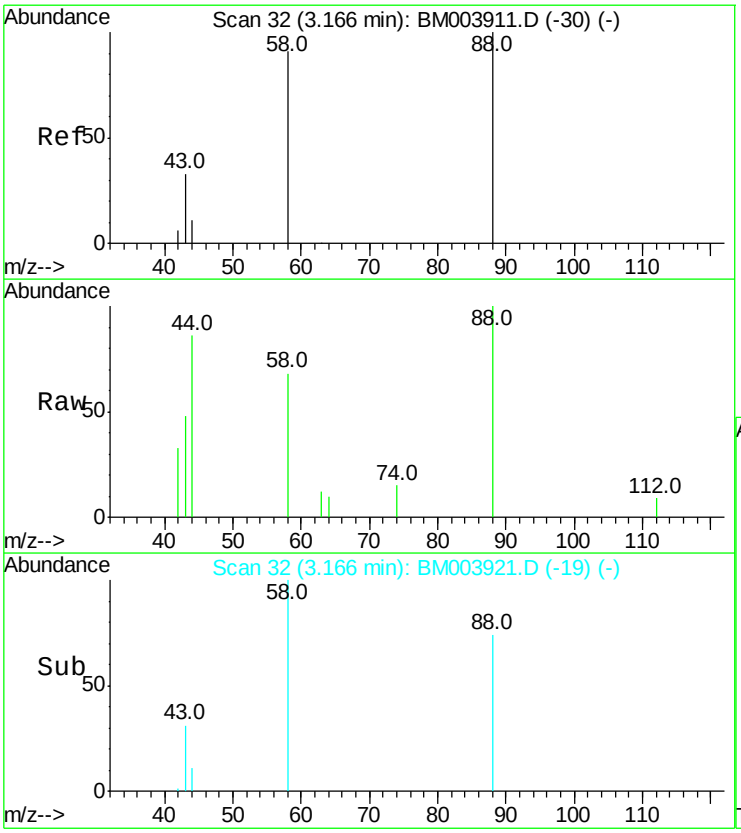
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.67 min Scan# 313
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER2016-02

Tgt Ion:152 Resp: 38406

Ion	Ratio	Lower	Upper
152	100		
150	164.2	122.9	184.3
115	63.0	44.4	66.6

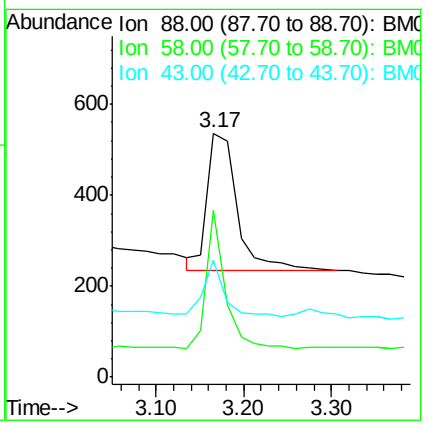


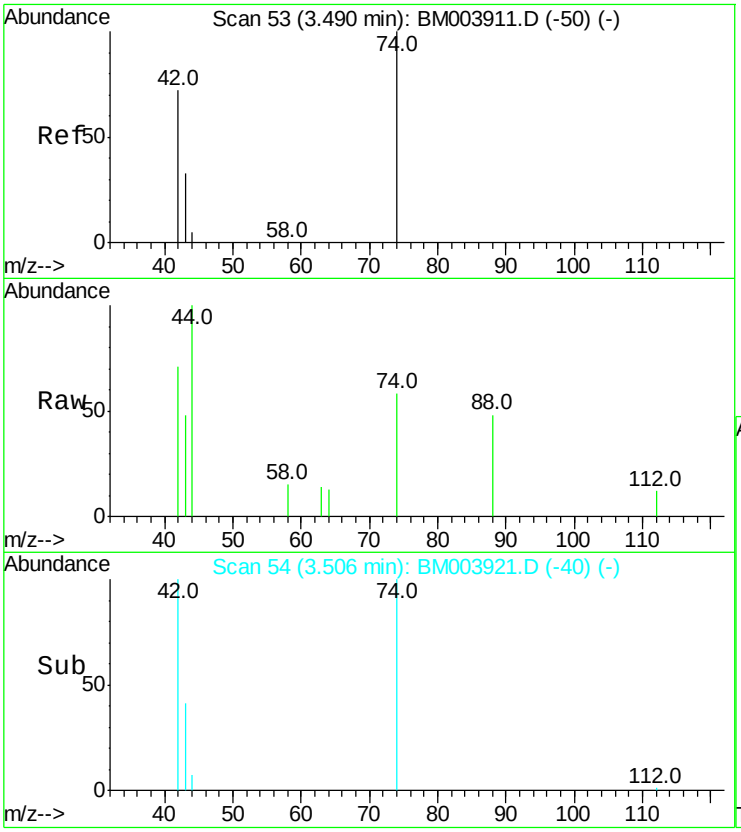


#2
1,4-Dioxane
Concen: 0.16 ng
RT: 3.17 min Scan# 32
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Tgt Ion: 88 Resp: 723

Ion	Ratio	Lower	Upper
88	100		
58	61.4	53.8	80.6
43	27.7	23.8	35.6



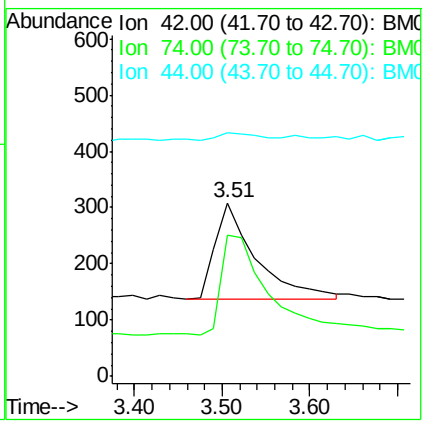


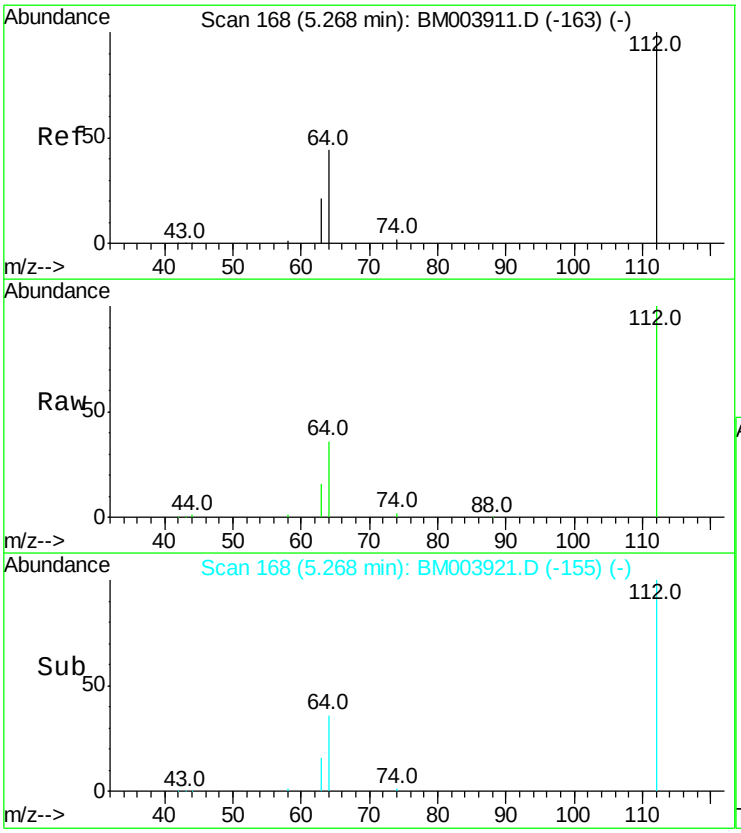
#3
n-Nitrosodimethylamine
Concen: 0.14 ng
RT: 3.51 min Scan# 54
Delta R.T. 0.02 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER2016-02

Tgt Ion: 42 Resp: 550

Ion	Ratio	Lower	Upper
42	100		
74	119.3	95.0	142.4
44	9.8	5.1	7.7#

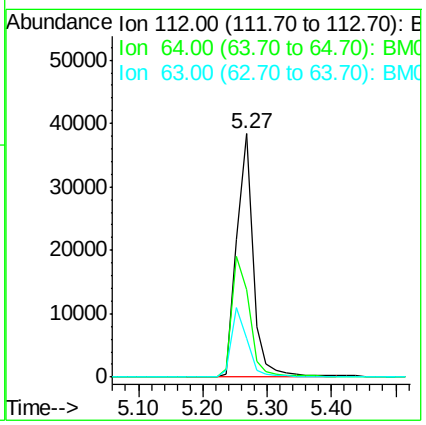


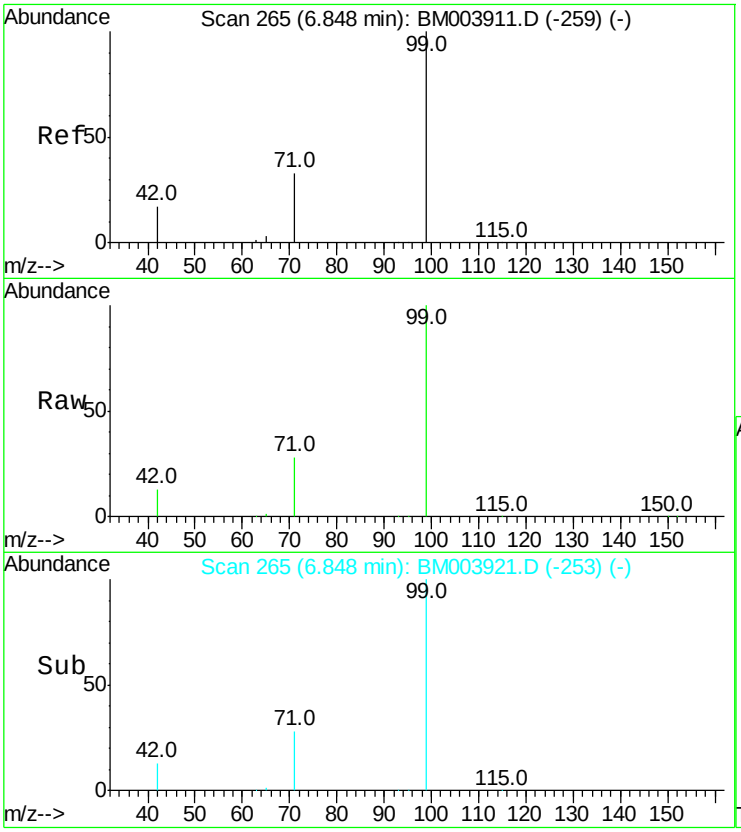


#4
2-Fluorophenol
Concen: 8.65 ng
RT: 5.27 min Scan# 168
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Tgt Ion:112 Resp: 68023

Ion	Ratio	Lower	Upper
112	100		
64	52.4	41.8	62.8
63	27.7	22.1	33.1



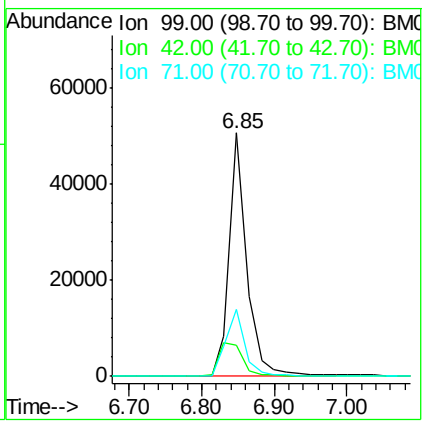


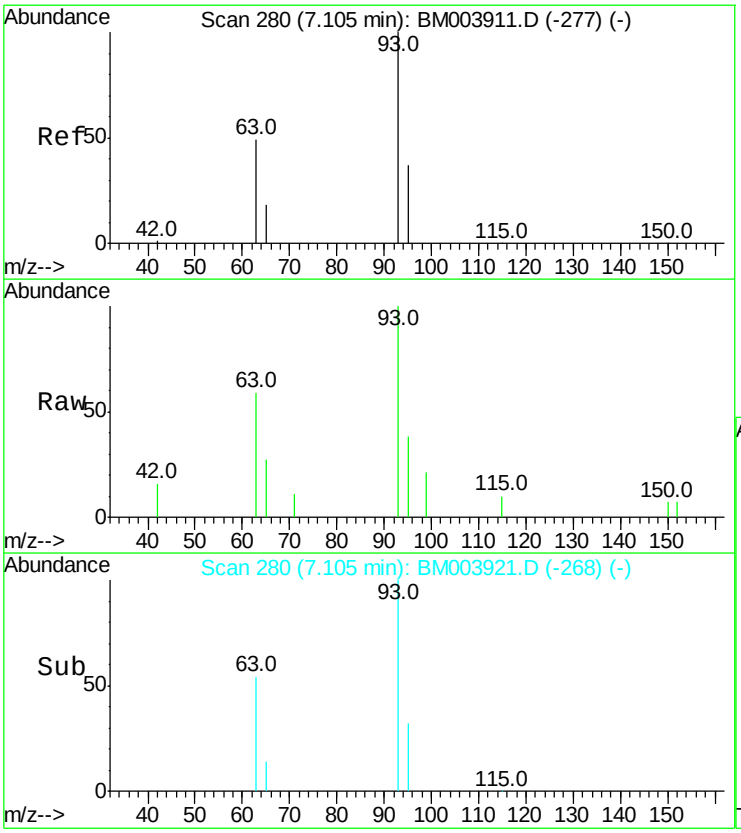
#5
Phenol-d6
Concen: 8.79 ng
RT: 6.85 min Scan# 265
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER2016-02

Tgt Ion: 99 Resp: 84635

Ion	Ratio	Lower	Upper
99	100		
42	18.9	16.2	24.2
71	30.1	24.4	36.6

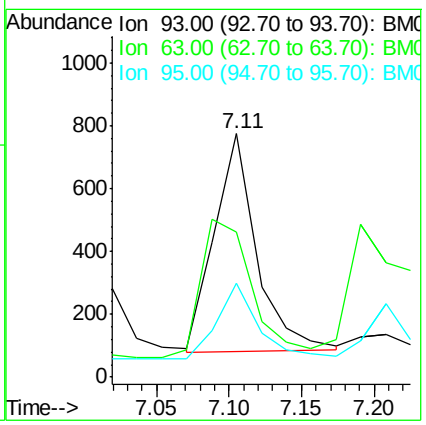


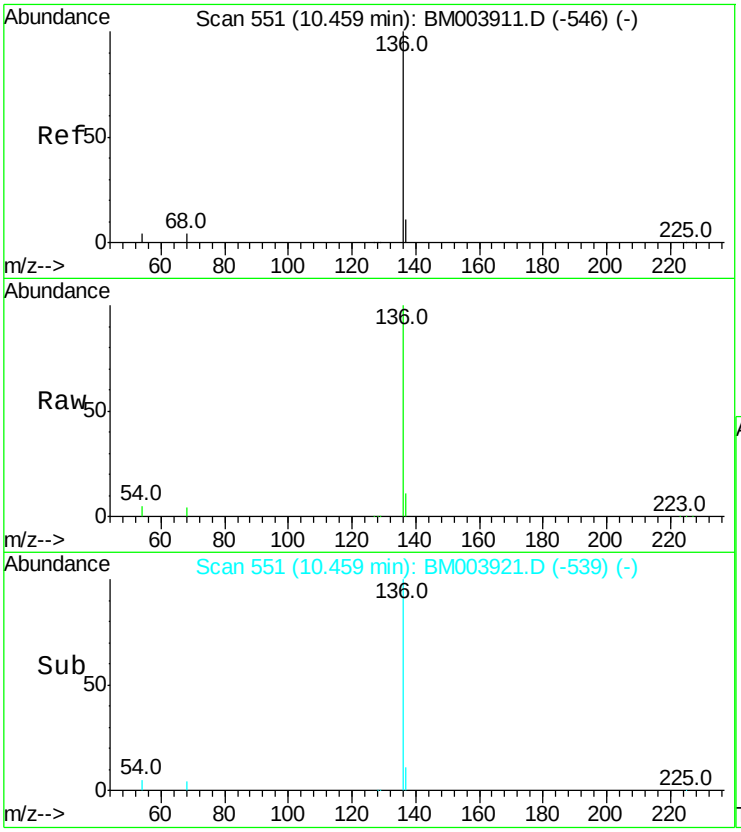


#6
bis(2-Chloroethyl)ether
Concen: 0.16 ng
RT: 7.11 min Scan# 280
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Tgt Ion: 93 Resp: 1411

Ion	Ratio	Lower	Upper
93	100		
63	76.2	58.3	87.5
95	34.2	25.8	38.8



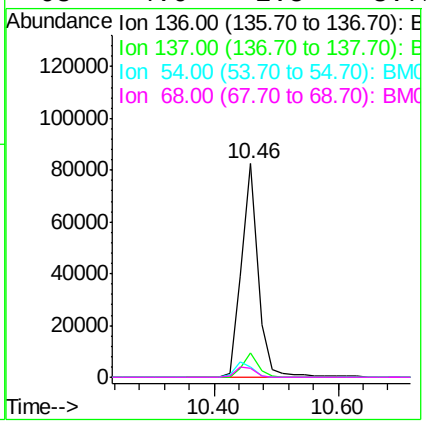


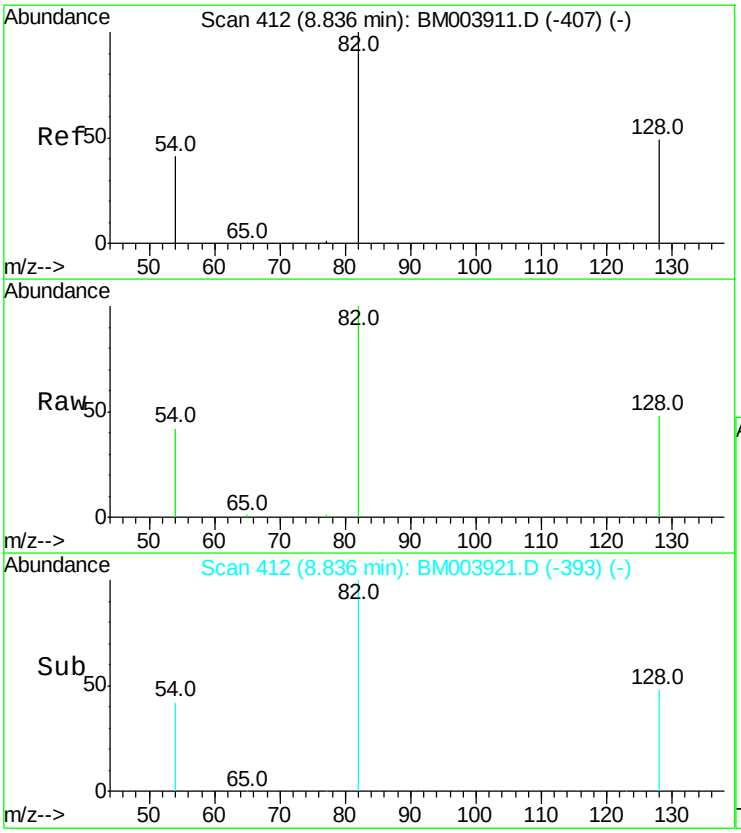
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.46 min Scan# 551
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER2016-02

Tgt Ion:136 Resp: 154949

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	4.9	2.8	4.2#
68	4.0	2.5	3.7#

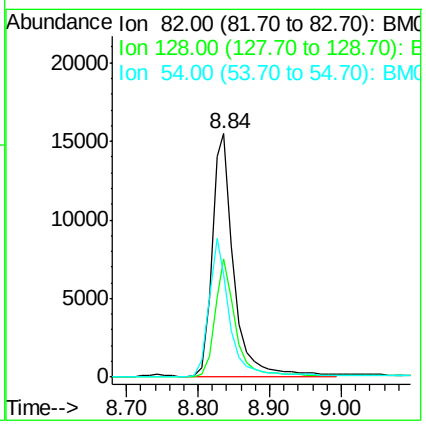


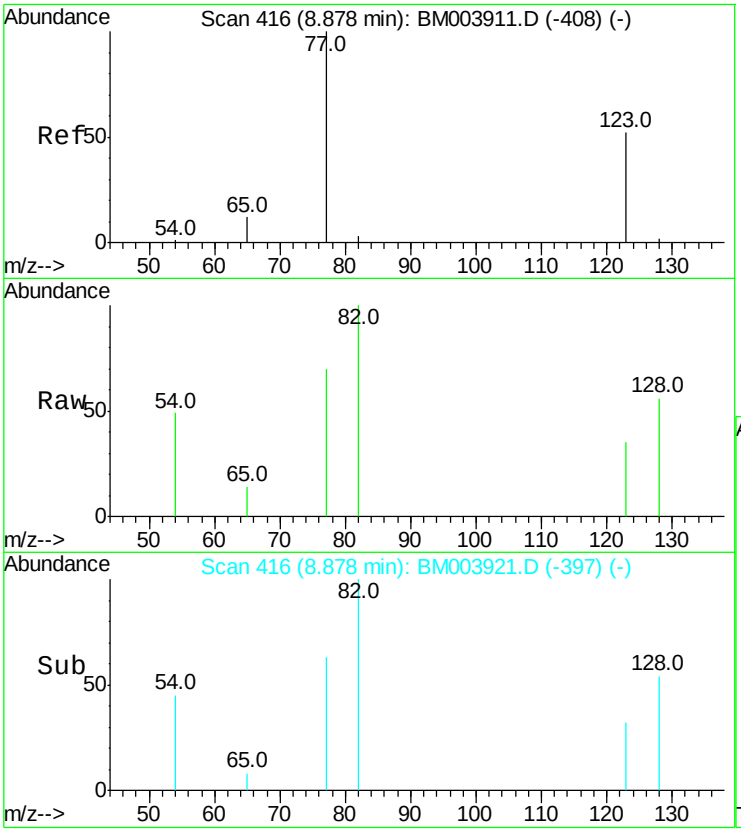


#8
Nitrobenzene-d5
Concen: 4.27 ng
RT: 8.84 min Scan# 412
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Tgt Ion: 82 Resp: 32540

Ion	Ratio	Lower	Upper
82	100		
128	48.4	39.1	58.7
54	42.3	34.8	52.2



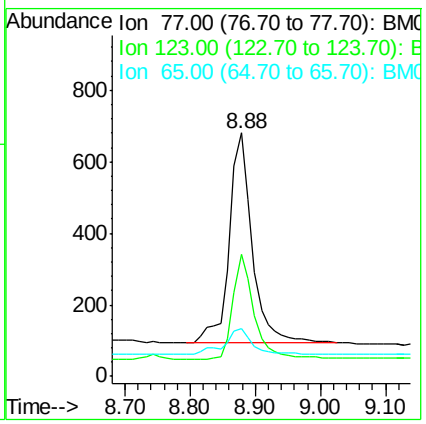


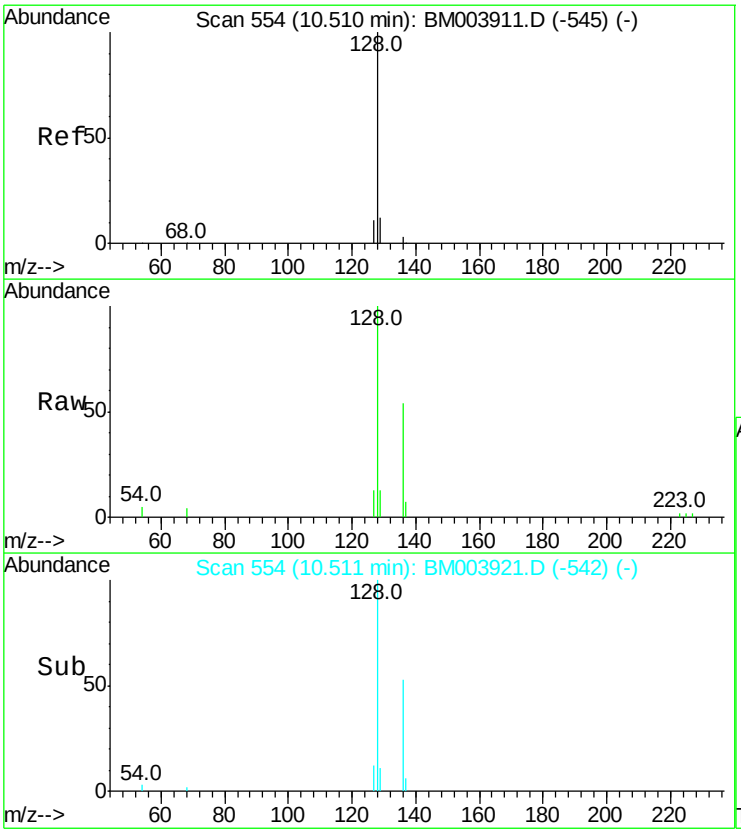
#9
Nitrobenzene
Concen: 0.18 ng
RT: 8.88 min Scan# 416
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER2016-02

Tgt Ion: 77 Resp: 1445

Ion	Ratio	Lower	Upper
77	100		
123	45.5	38.6	57.8
65	15.2	9.9	14.9#

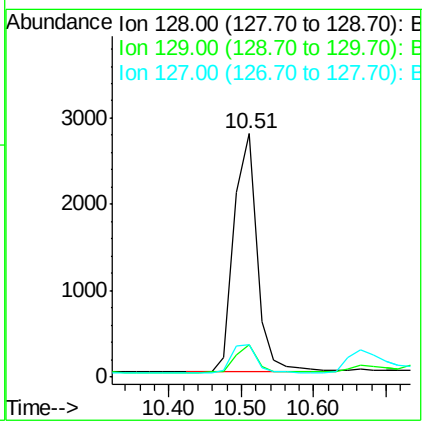


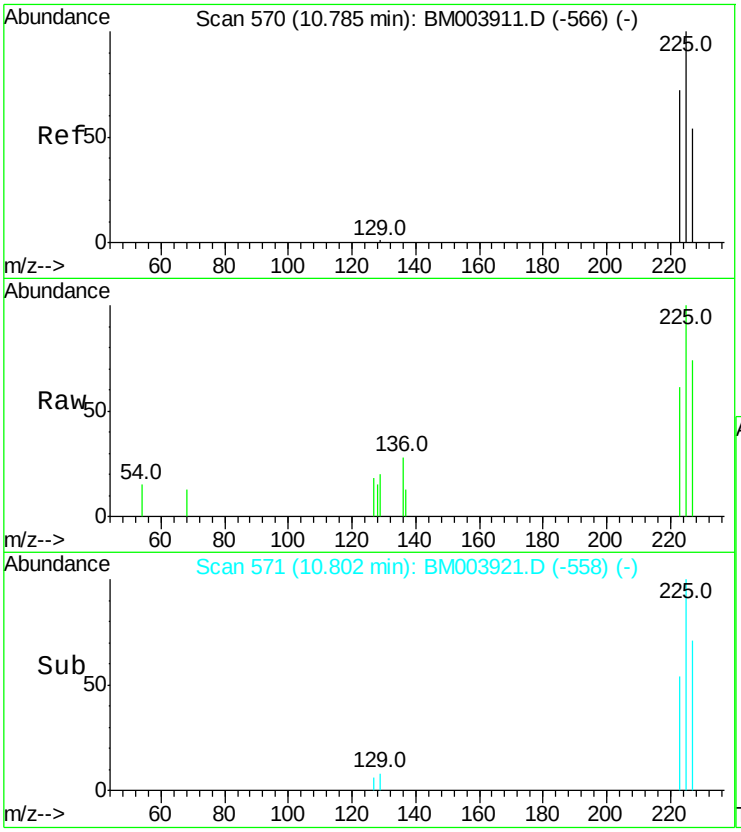


#10
Naphthalene
Concen: 0.18 ng
RT: 10.51 min Scan# 554
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Tgt Ion:128 Resp: 6084

Ion	Ratio	Lower	Upper
128	100		
129	13.3	8.5	12.7#
127	13.2	11.0	16.4



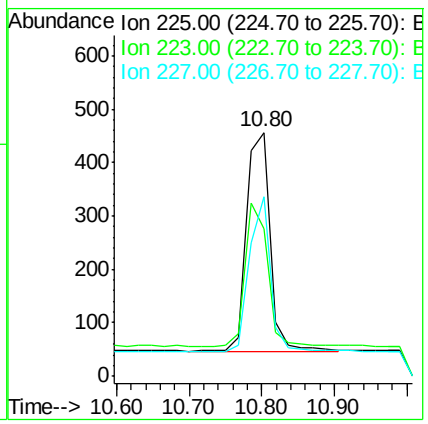


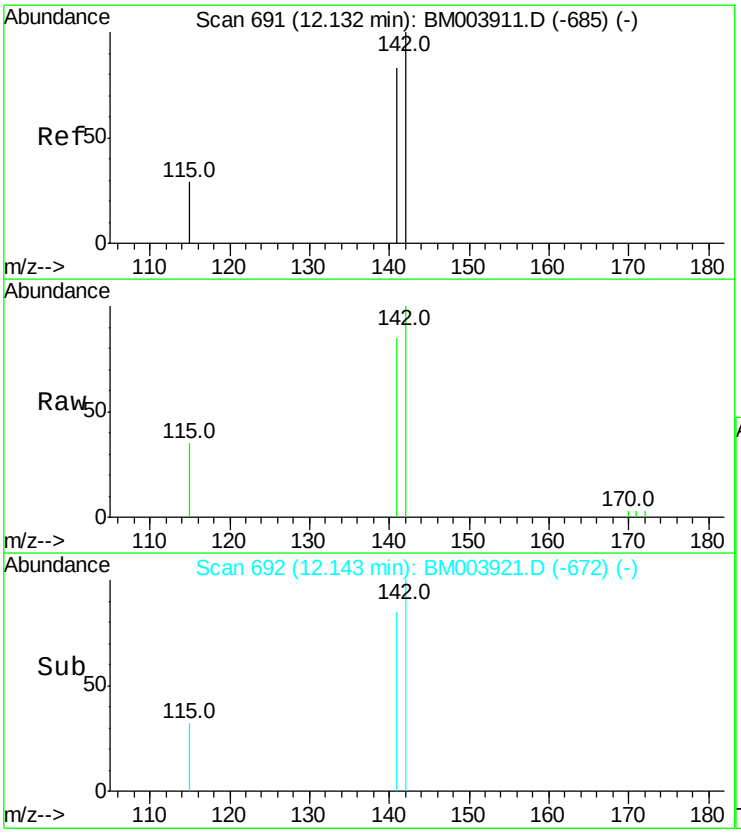
#11
Hexachlorobutadiene
Concen: 0.18 ng
RT: 10.80 min Scan# 571
Delta R.T. 0.02 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER2016-02

Tgt Ion:225 Resp: 923

Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.9	76.3
227	64.5	51.2	76.8

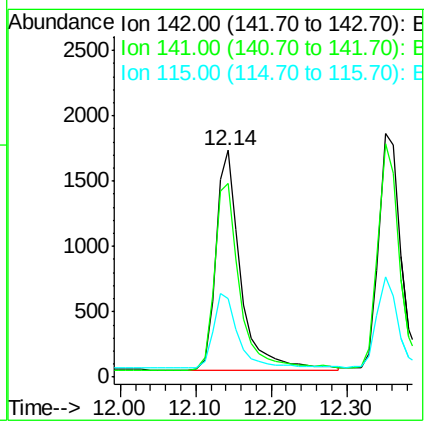


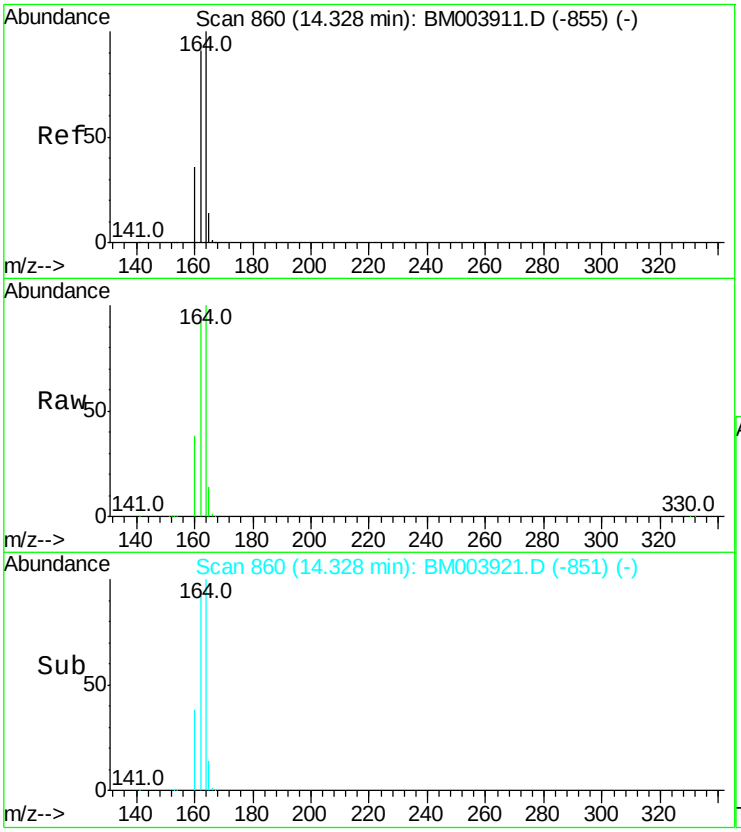


#12
2-Methylnaphthalene
Concen: 0.17 ng
RT: 12.14 min Scan# 692
Delta R.T. 0.01 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Tgt Ion:142 Resp: 3887

Ion	Ratio	Lower	Upper
142	100		
141	85.2	67.8	101.8
115	34.7	25.3	37.9



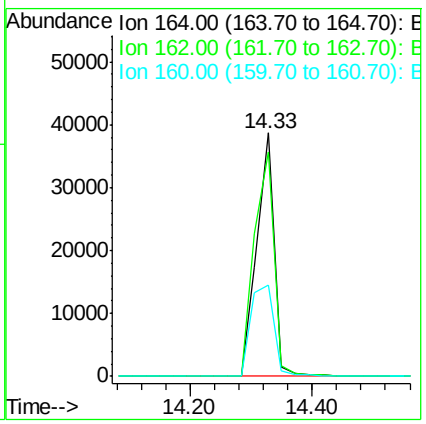


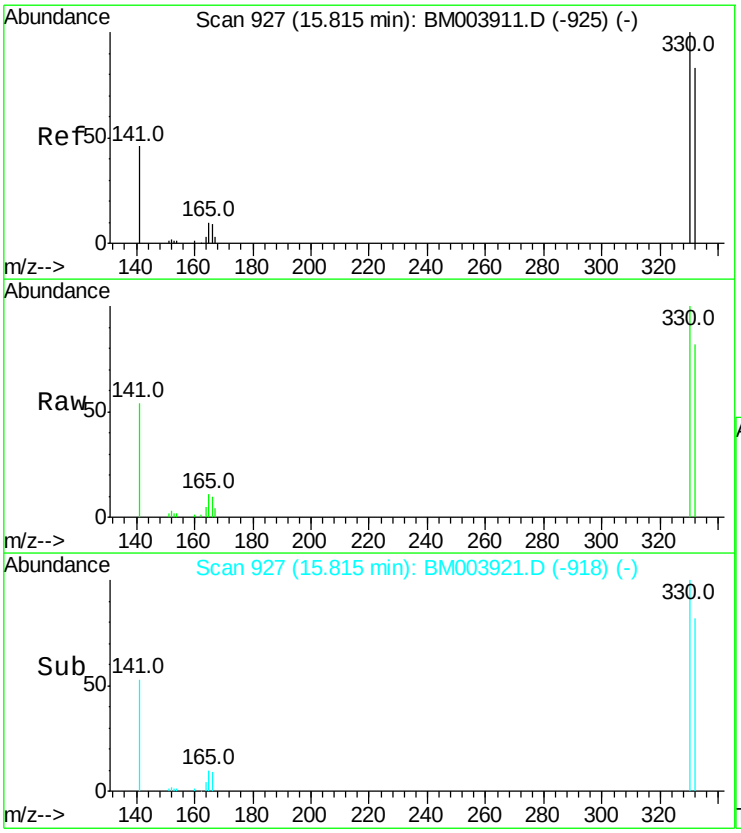
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.33 min Scan# 860
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER2016-02

Tgt Ion:164 Resp: 77456

Ion	Ratio	Lower	Upper
164	100		
162	92.0	86.0	129.0
160	37.8	40.3	60.5#

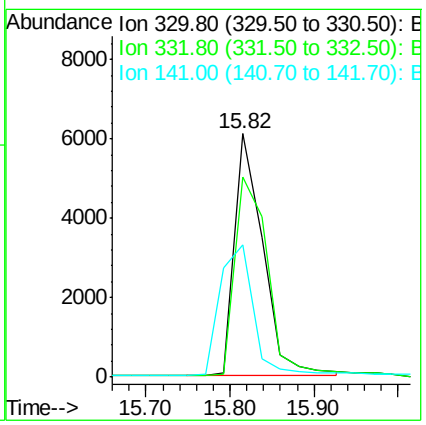


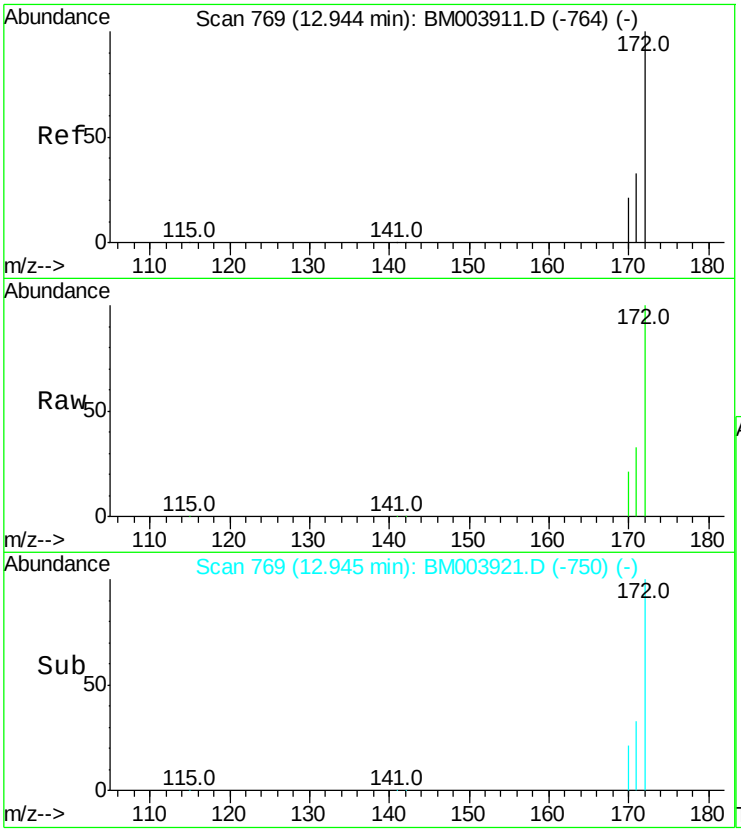


#14
2,4,6-Tribromophenol
Concen: 6.09 ng
RT: 15.82 min Scan# 927
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Tgt Ion:330 Resp: 14029

Ion	Ratio	Lower	Upper
330	100		
332	94.5	79.0	118.4
141	63.9	0.0	0.0#



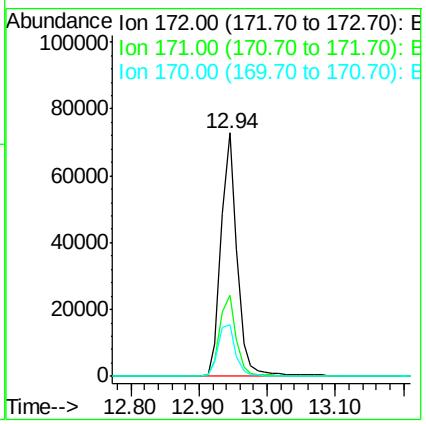


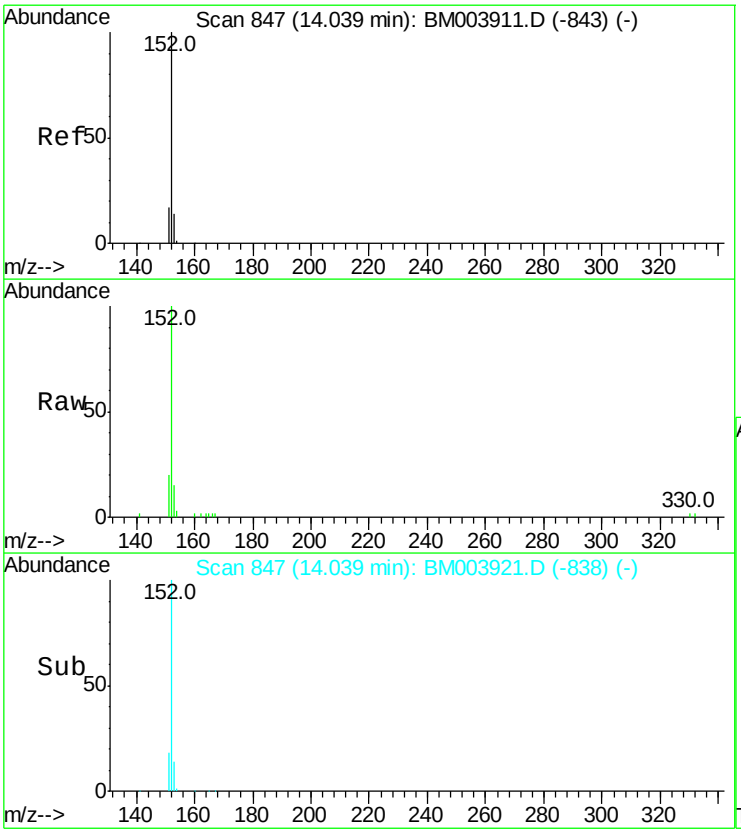
#15
2-Fluorobiphenyl
Concen: 4.75 ng
RT: 12.94 min Scan# 769
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER2016-02

Tgt Ion:172 Resp: 118621

Ion	Ratio	Lower	Upper
172	100		
171	33.1	27.0	40.6
170	21.1	17.9	26.9

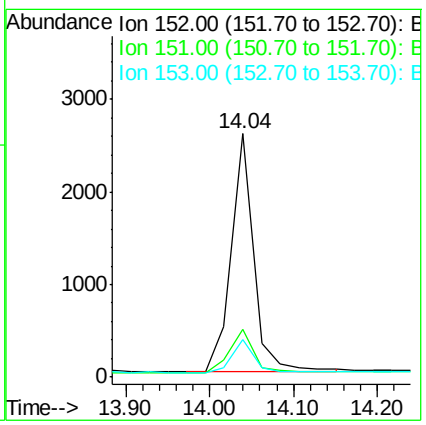


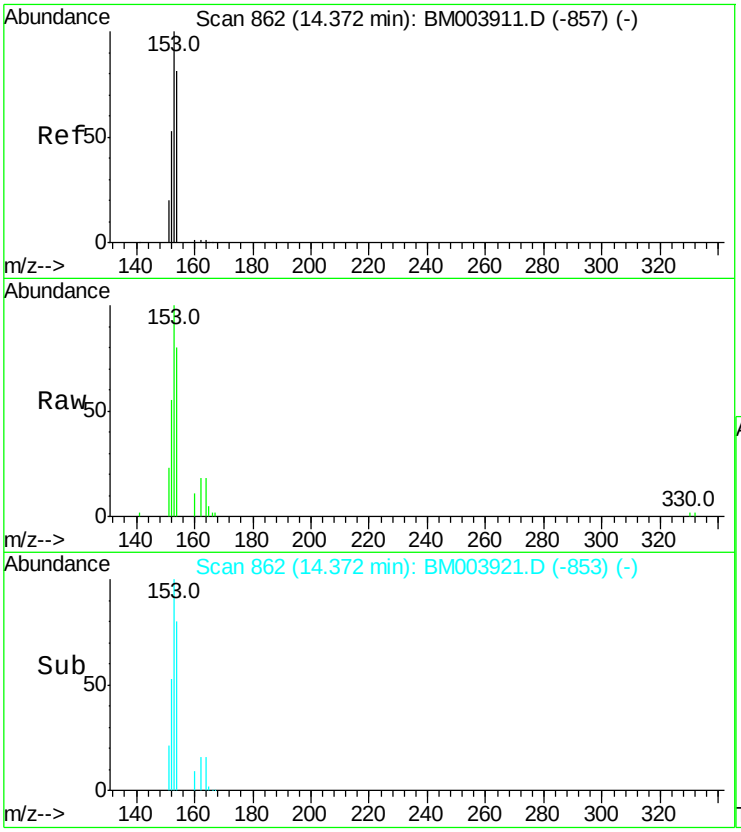


#16
Acenaphthylene
Concen: 0.15 ng
RT: 14.04 min Scan# 847
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Tgt Ion:152 Resp: 4760

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.8
153	13.2	10.2	15.4



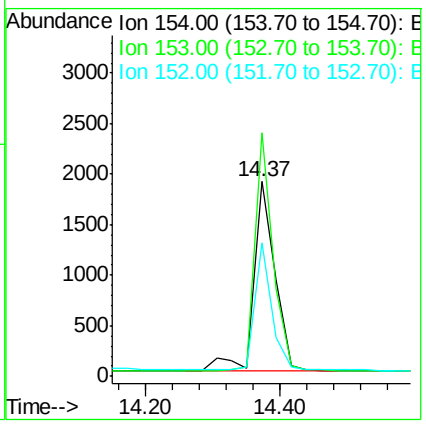


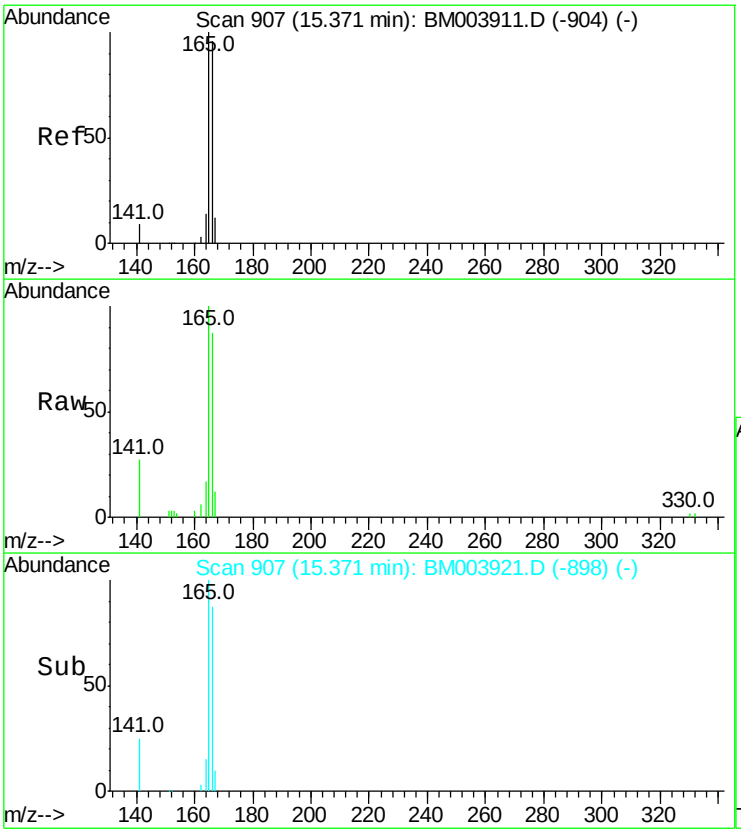
#17
Acenaphthene
Concen: 0.19 ng
RT: 14.37 min Scan# 862
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER2016-02

Tgt Ion:154 Resp: 4183

Ion	Ratio	Lower	Upper
154	100		
153	105.9	85.4	128.2
152	52.0	40.6	60.8

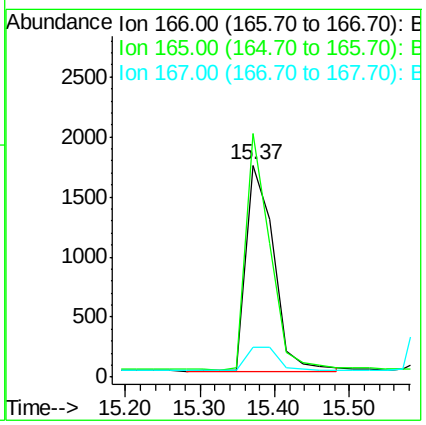


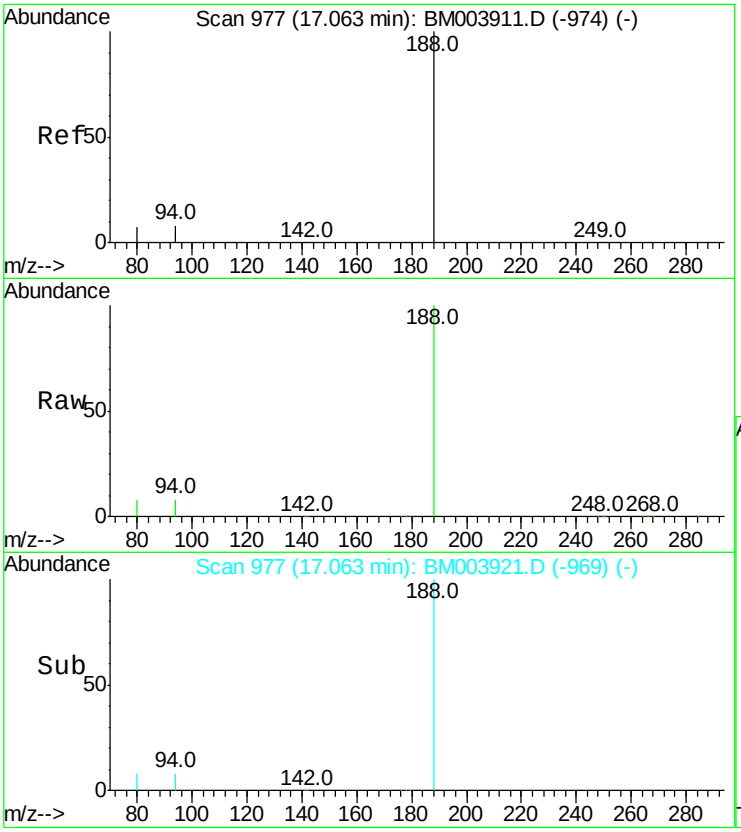


#18
Fluorene
Concen: 0.16 ng
RT: 15.37 min Scan# 907
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Tgt Ion:166 Resp: 4367

Ion	Ratio	Lower	Upper
166	100		
165	100.2	77.2	115.8
167	13.1	11.0	16.6



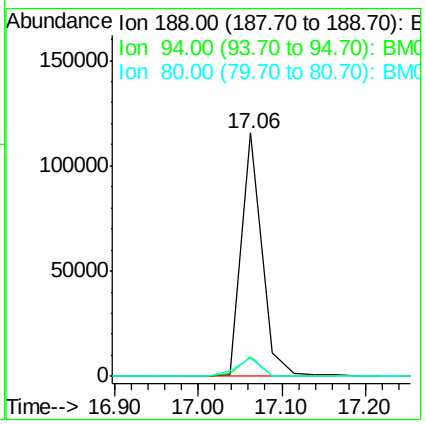


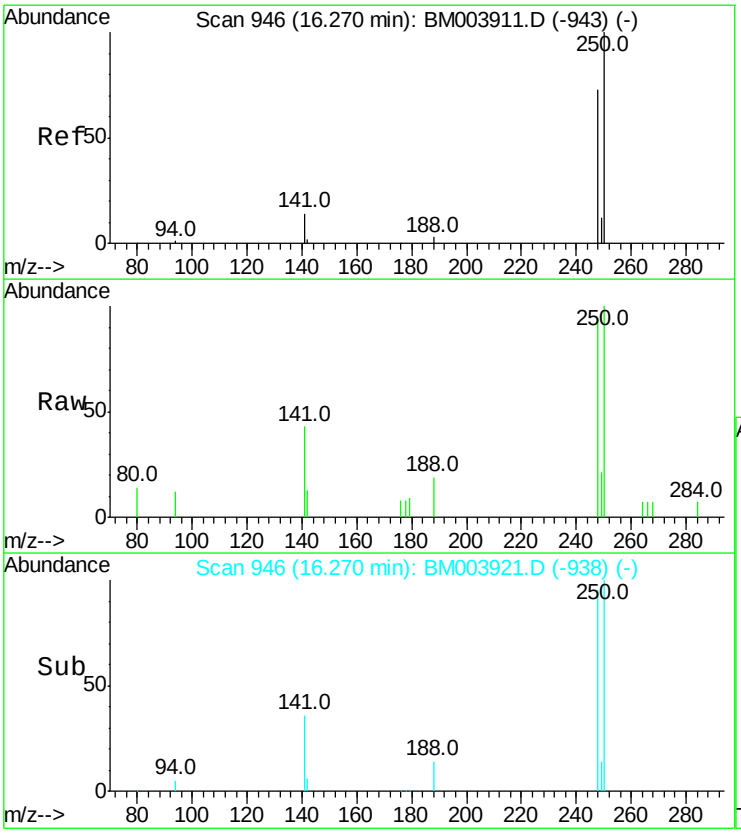
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 977
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER2016-02

Tgt Ion:188 Resp: 200587

Ion	Ratio	Lower	Upper
188	100		
94	8.3	20.3	30.5#
80	7.7	22.2	33.4#

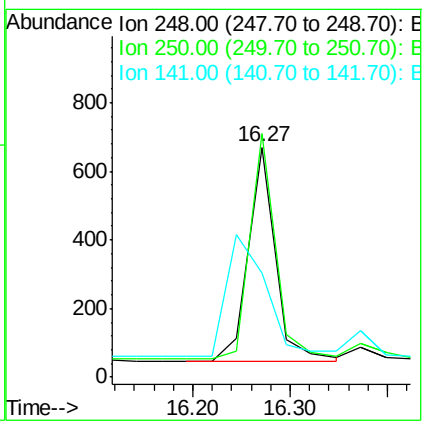


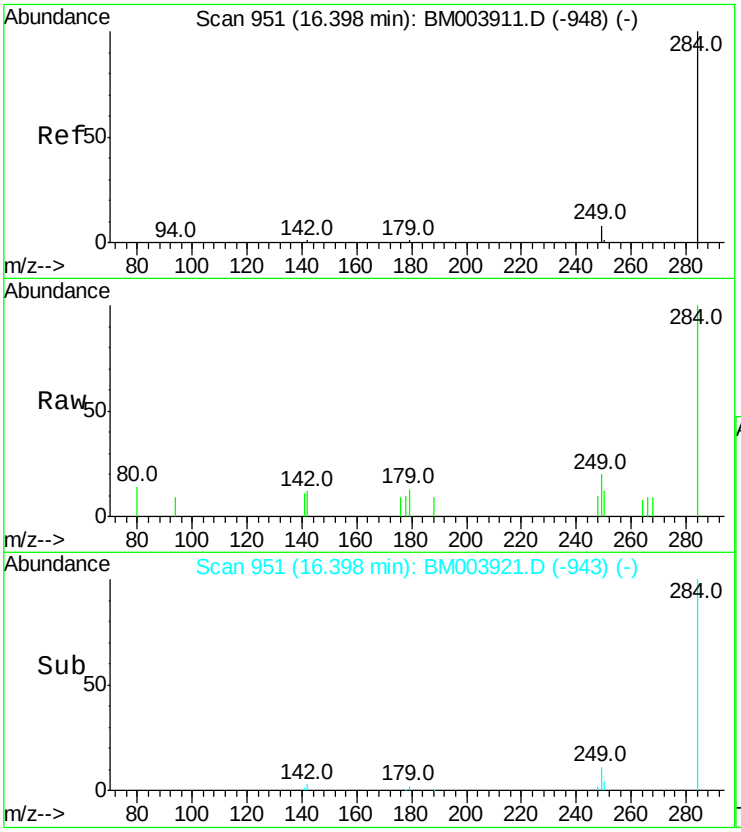


#20
4-Bromophenyl-phenylether
Concen: 0.19 ng
RT: 16.27 min Scan# 946
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Tgt Ion:248 Resp: 1195

Ion	Ratio	Lower	Upper
248	100		
250	100.1	75.0	112.4
141	0.0	53.0	79.4#



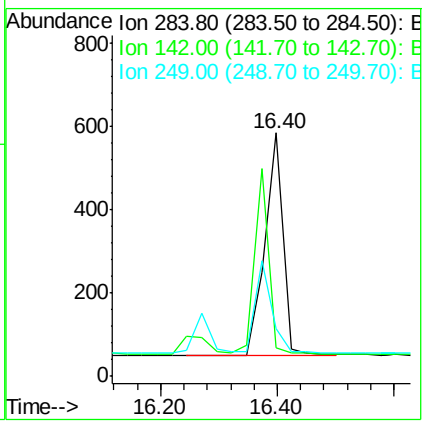


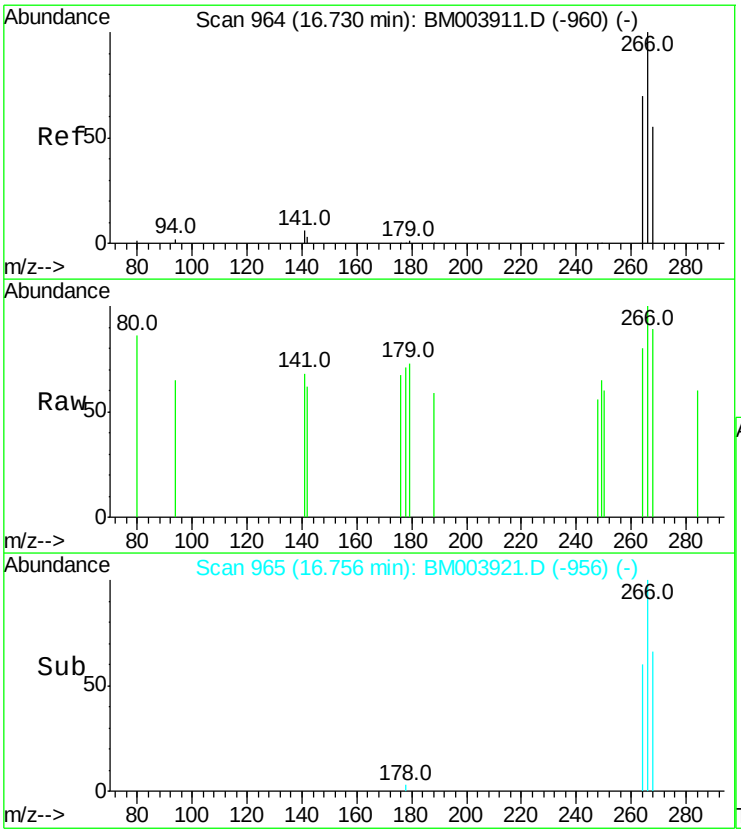
#21
Hexachlorobenzene
Concen: 0.18 ng
RT: 16.40 min Scan# 951
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER2016-02

Tgt Ion:284 Resp: 1175

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	21.5	32.3#

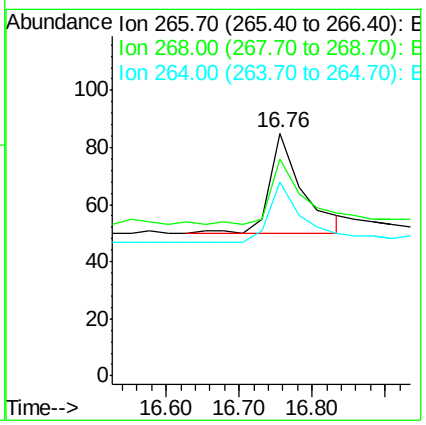


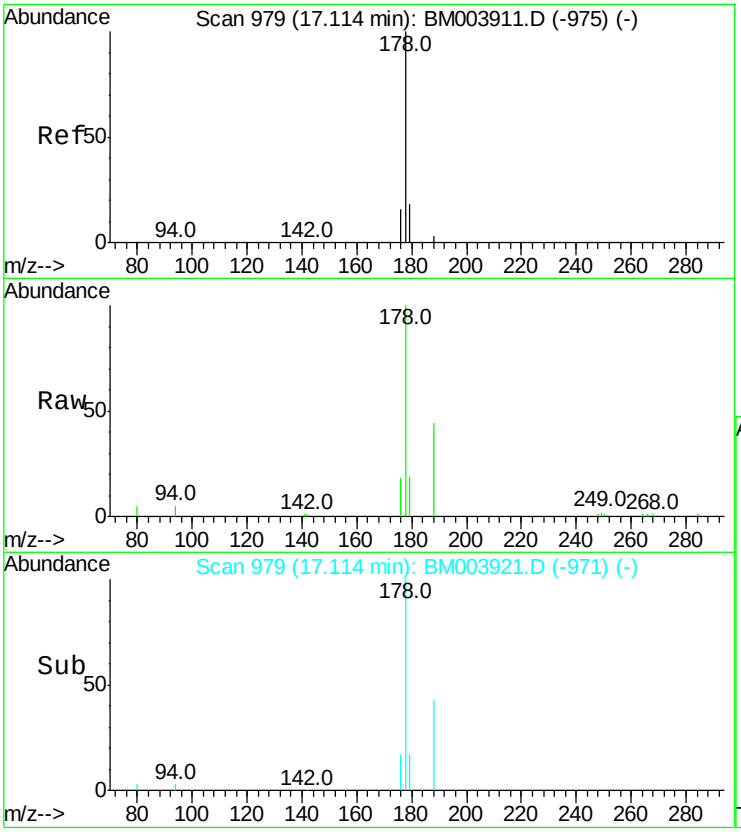


#22
Pentachlorophenol
Concen: 0.19 ng
RT: 16.76 min Scan# 965
Delta R.T. 0.03 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Tgt Ion:266 Resp: 110

Ion	Ratio	Lower	Upper
266	100		
268	89.4	62.7	94.1
264	80.0	45.7	68.5#



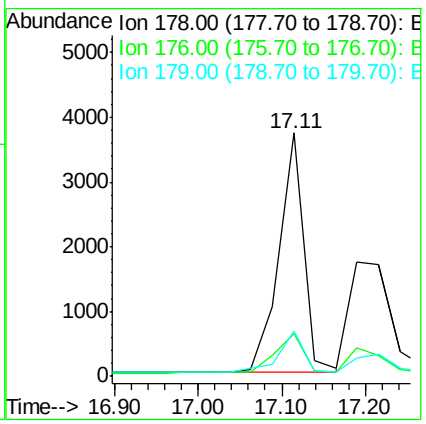


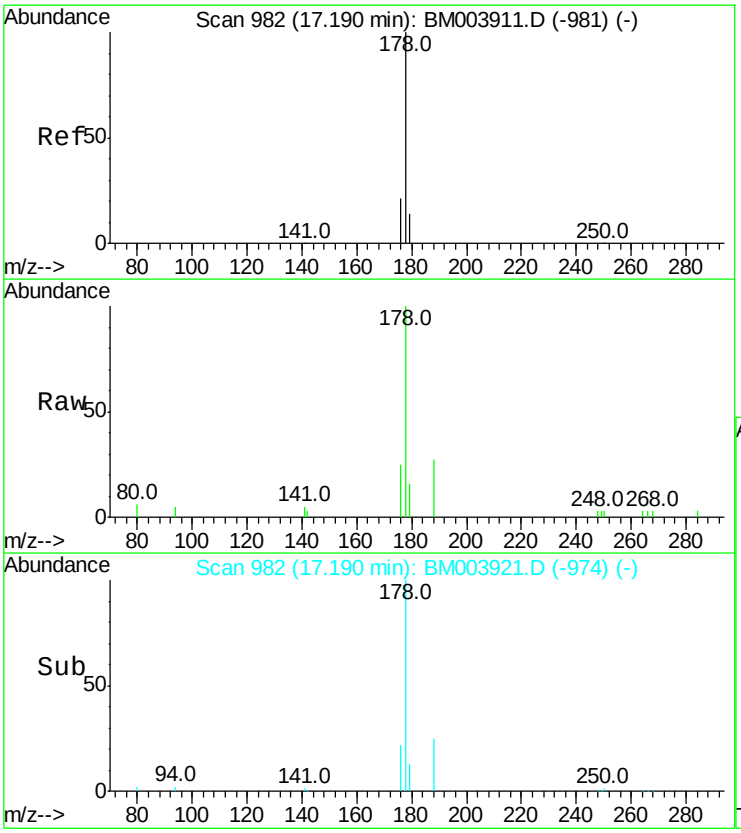
#23
Phenanthrene
Concen: 0.13 ng
RT: 17.11 min Scan# 979
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER2016-02

Tgt Ion:178 Resp: 7682

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.0
179	17.7	12.2	18.4

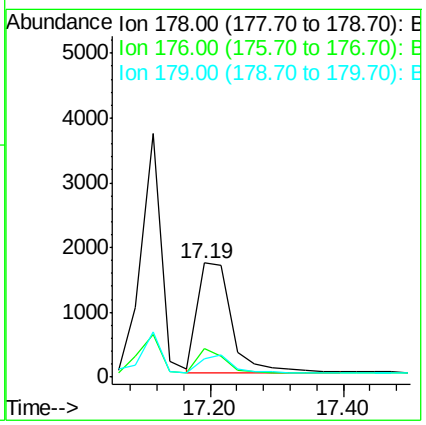


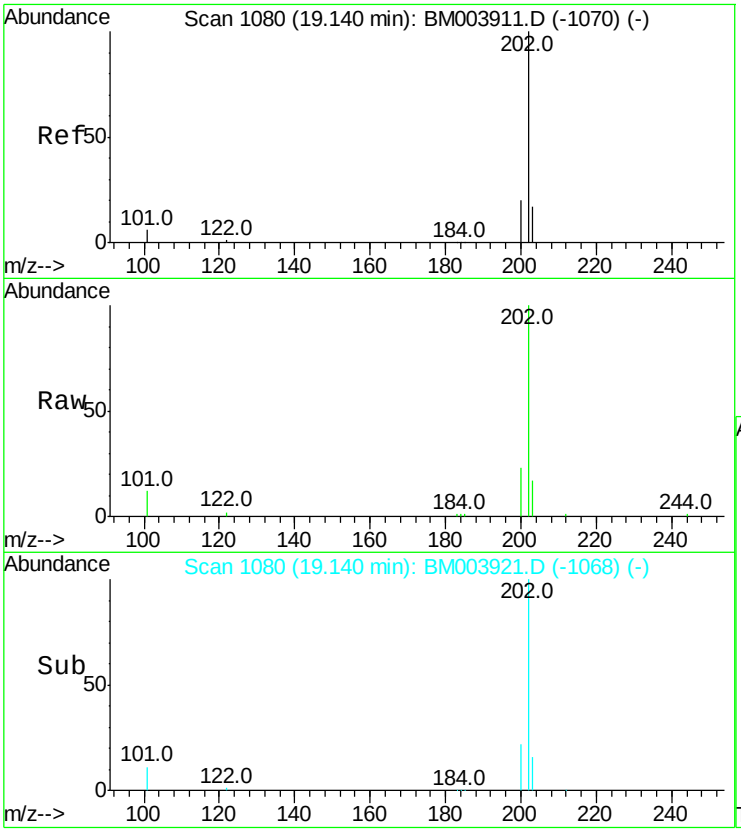


#24
Anthracene
Concen: 0.15 ng m
RT: 17.19 min Scan# 982
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Tgt Ion:178 Resp: 6227

Ion	Ratio	Lower	Upper
178	100		
176	22.7	14.6	21.8#
179	21.6	12.6	19.0#



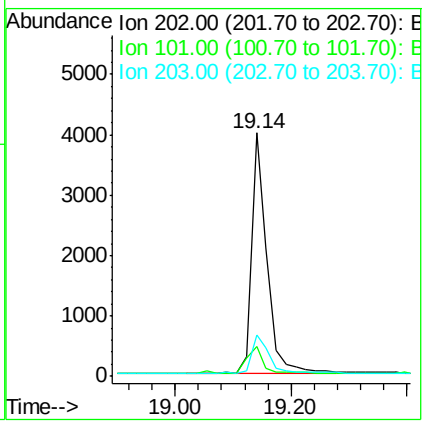


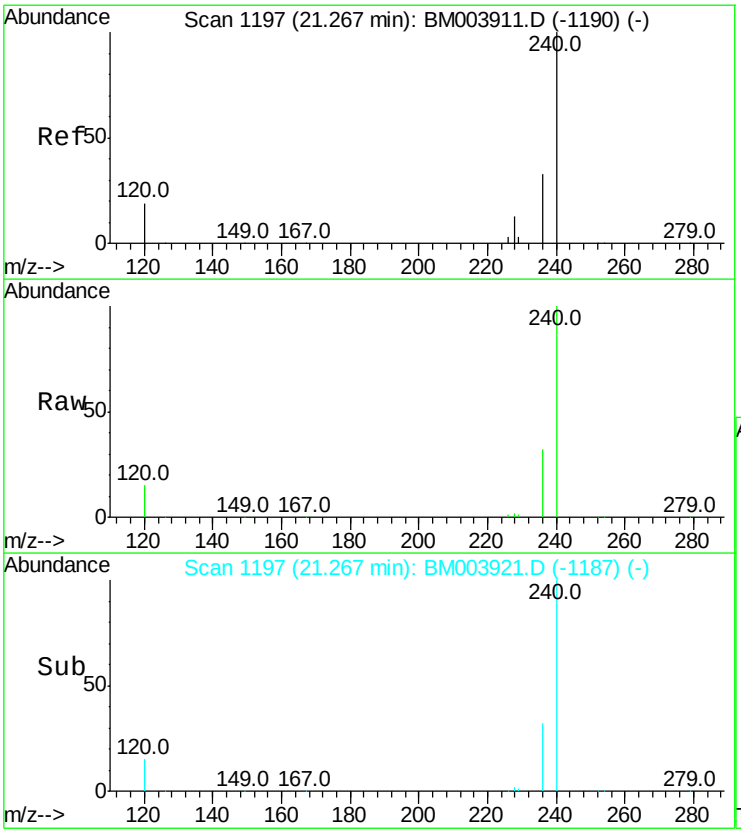
#25
Fluoranthene
Concen: 0.17 ng
RT: 19.14 min Scan# 1080
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER2016-02

Tgt Ion:202 Resp: 7376

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.7	14.5
203	17.4	13.8	20.8

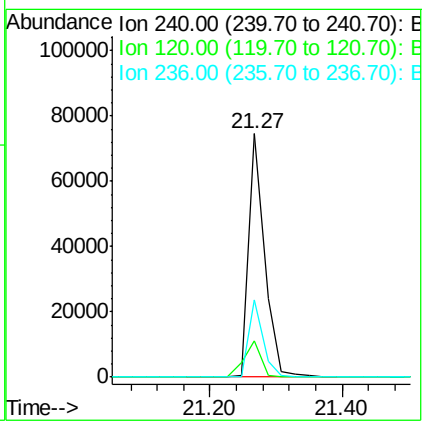


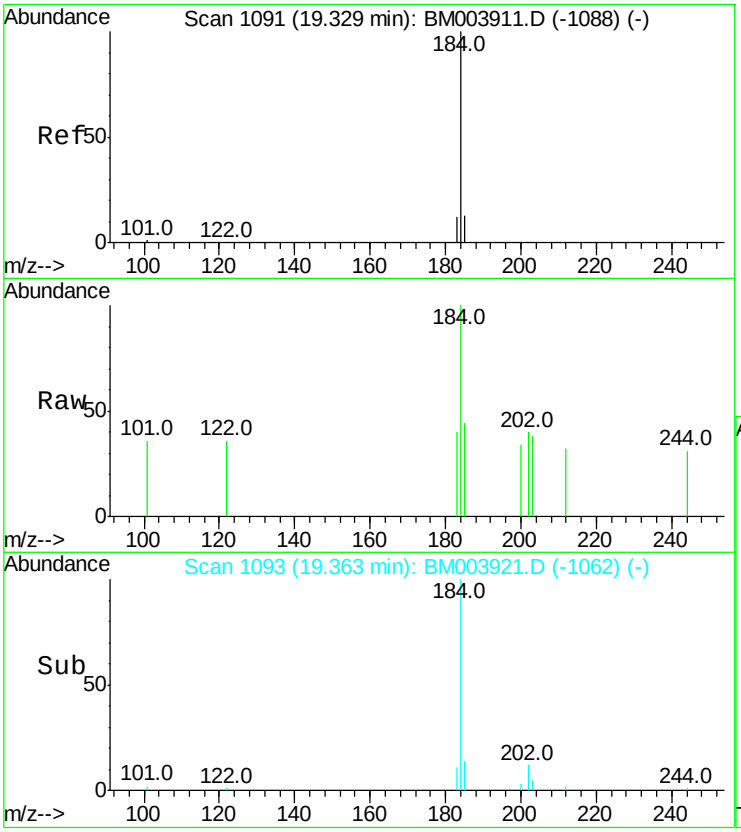


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.27 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Tgt Ion:240 Resp: 125721

Ion	Ratio	Lower	Upper
240	100		
120	14.7	0.9	1.3#
236	31.6	17.3	25.9#



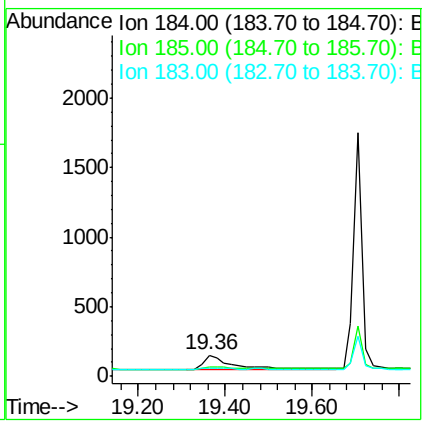


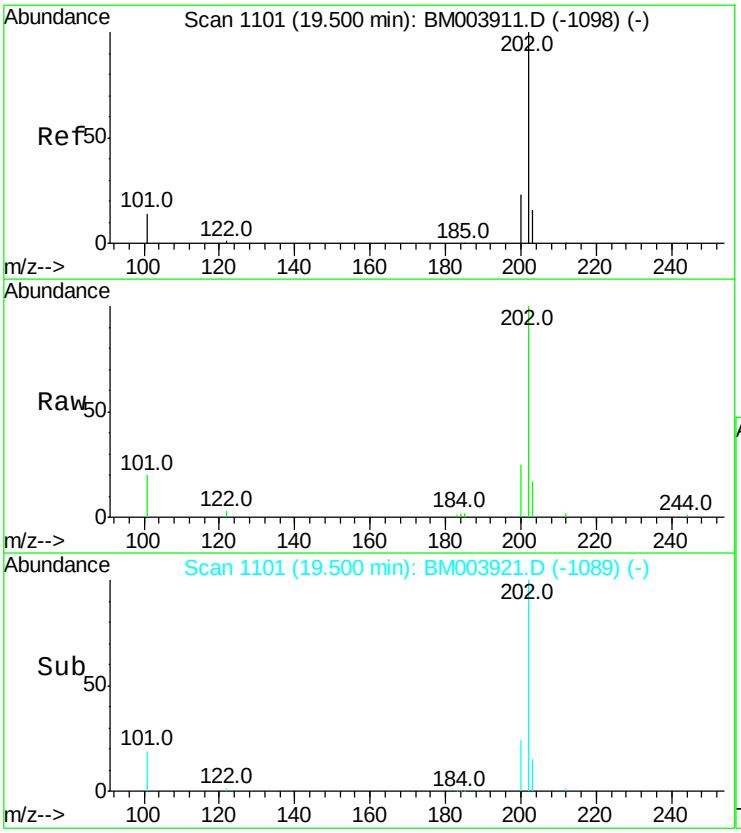
#27
Benzidine
Concen: 0.17 ng
RT: 19.36 min Scan# 1093
Delta R.T. 0.03 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER2016-02

Tgt Ion:184 Resp: 477

Ion	Ratio	Lower	Upper
184	100		
185	43.5	13.2	19.8#
183	40.3	9.0	13.6#

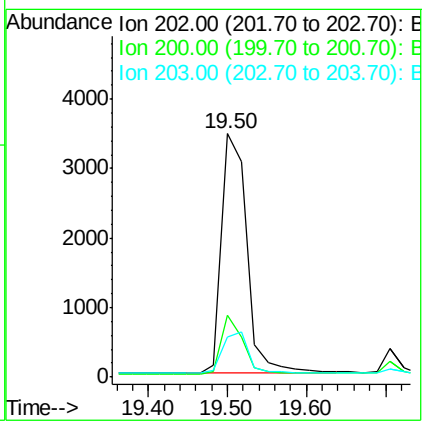


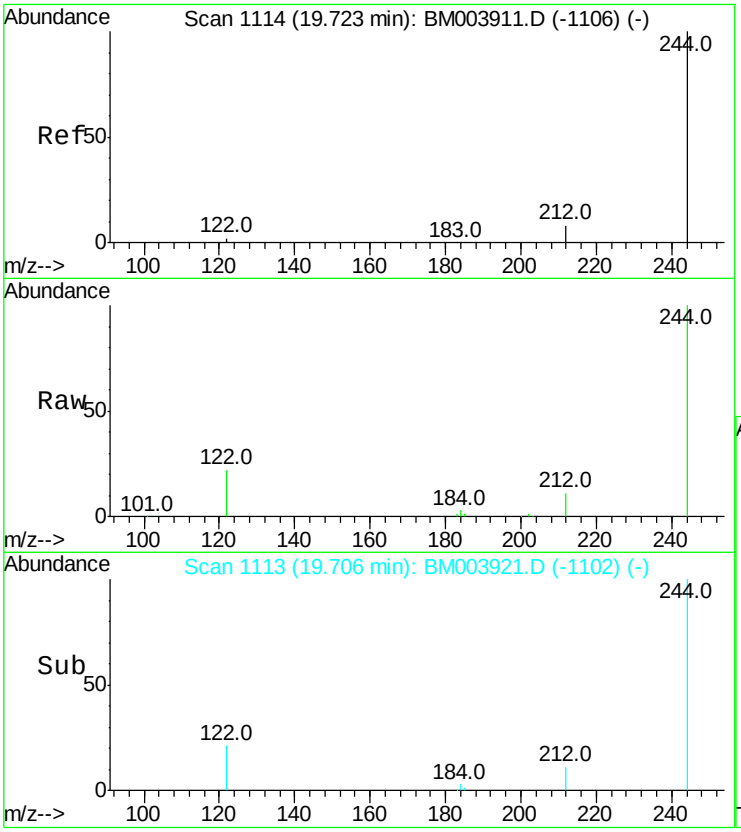


#28
Pyrene
Concen: 0.17 ng
RT: 19.50 min Scan# 1101
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Tgt Ion:202 Resp: 7573

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	24.8
203	18.2	14.0	21.0



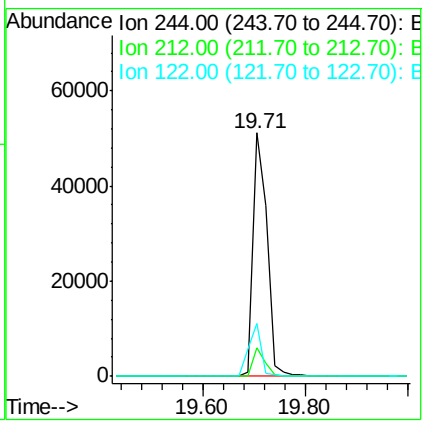


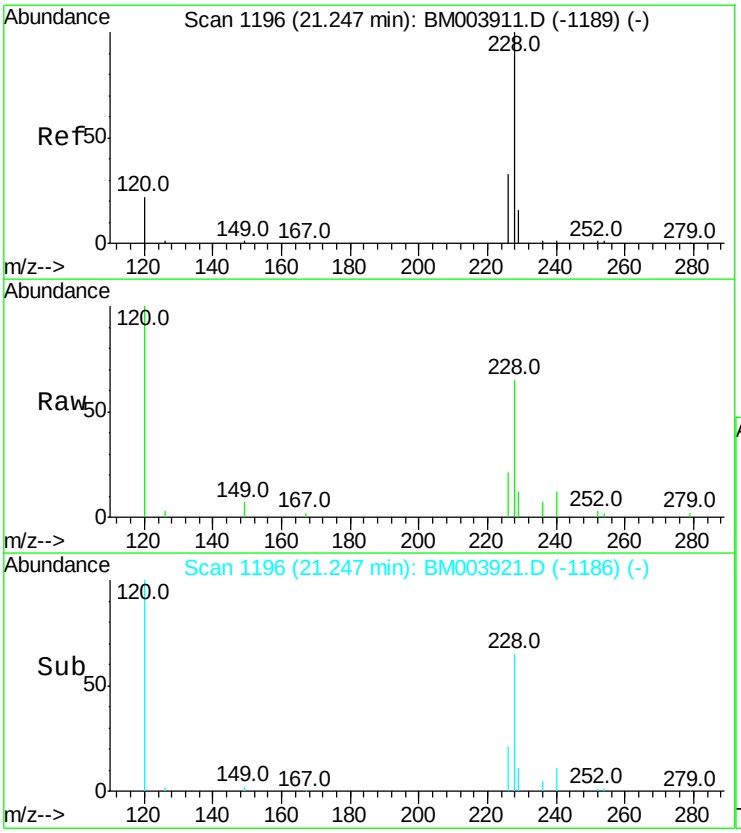
#29
Terphenyl-d14
Concen: 4.64 ng
RT: 19.71 min Scan# 1113
Delta R.T. -0.02 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER2016-02

Tgt Ion:244 Resp: 94355

Ion	Ratio	Lower	Upper
244	100		
212	11.5	7.0	10.6#
122	21.5	3.0	4.6#

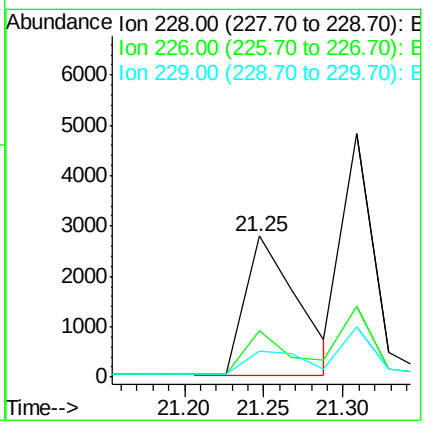


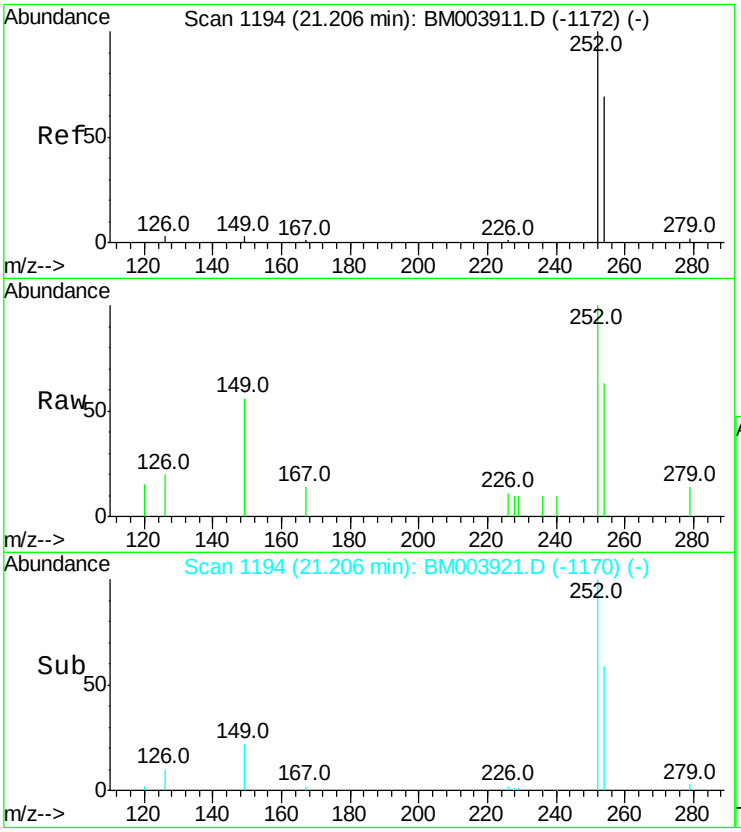


#30
Benzo(a)anthracene
Concen: 0.18 ng m
RT: 21.25 min Scan# 1196
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Tgt Ion:228 Resp: 6373

Ion	Ratio	Lower	Upper
228	100		
226	33.0	17.2	25.8#
229	18.1	18.7	28.1#



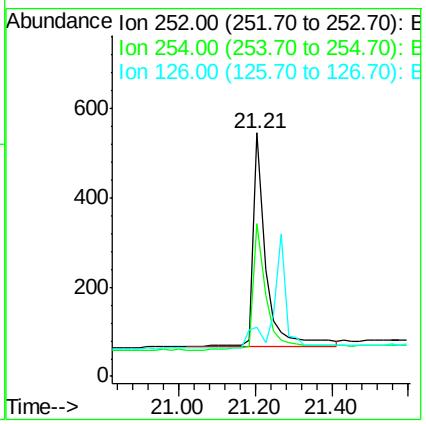


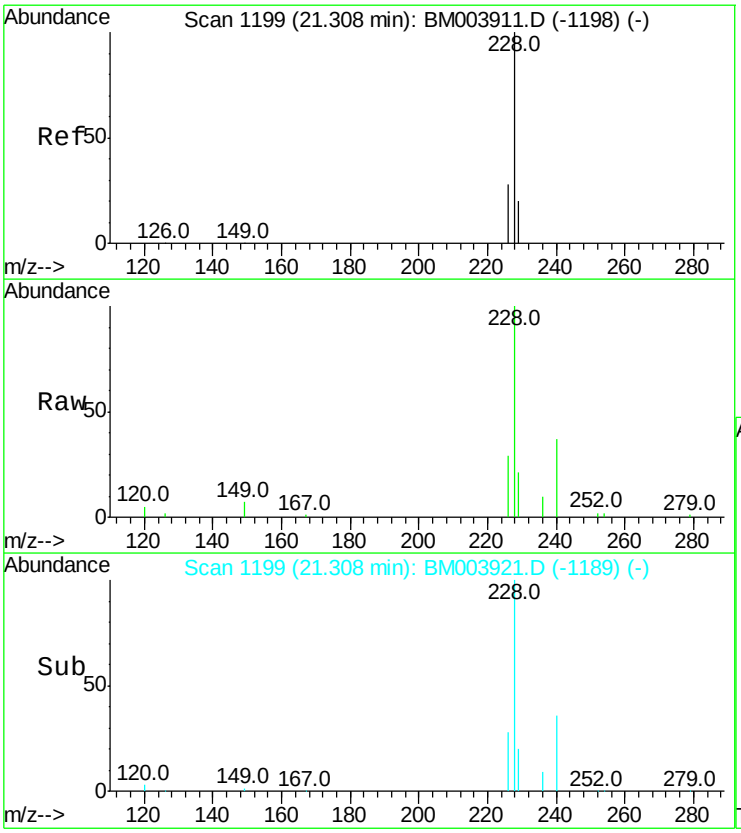
#31
3,3'-Dichlorobenzidine
Concen: 0.33 ng
RT: 21.21 min Scan# 1194
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER2016-02

Tgt Ion:252 Resp: 1077

Ion	Ratio	Lower	Upper
252	100		
254	62.8	52.6	79.0
126	20.1	3.7	5.5#

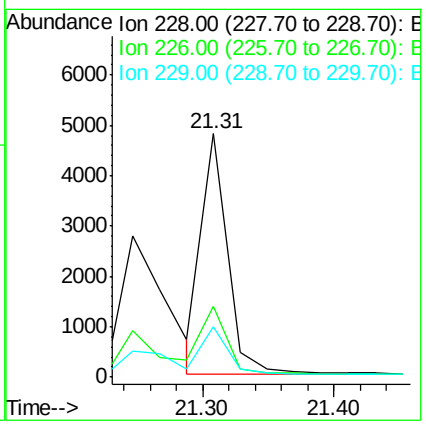


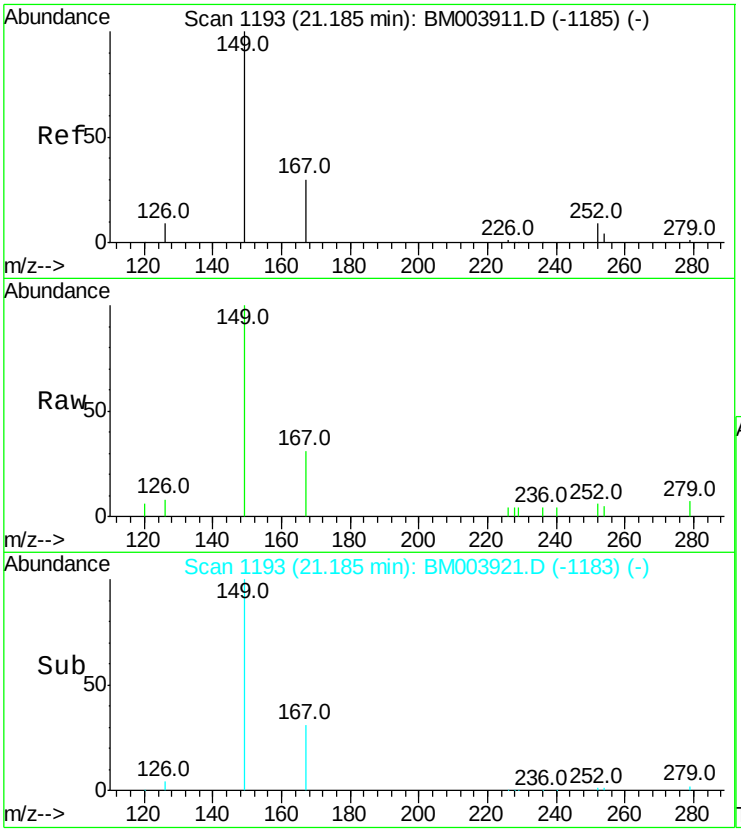


#32
Chrysene
Concen: 0.18 ng m
RT: 21.31 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Tgt Ion:228 Resp: 6712

Ion	Ratio	Lower	Upper
228	100		
226	28.9	25.3	37.9
229	20.6	14.5	21.7



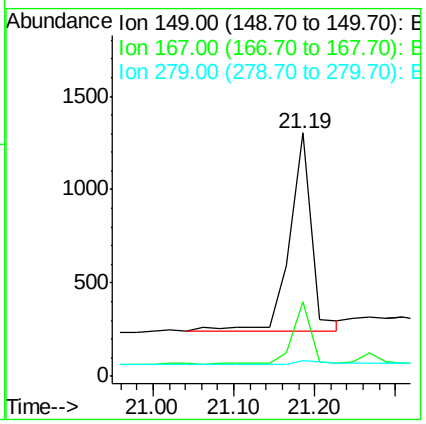


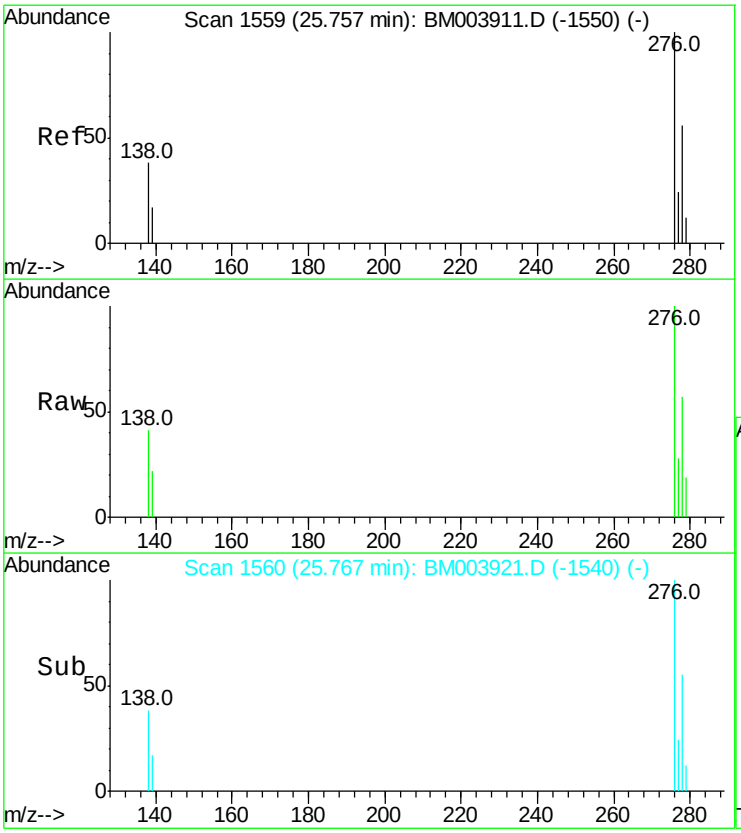
#33
Bis(2-ethylhexyl)phthalate
Concen: 0.43 ng
RT: 21.19 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER2016-02

Tgt Ion:149 Resp: 1981

Ion	Ratio	Lower	Upper
149	100		
167	25.2	20.1	30.1
279	3.8	0.0	0.0#

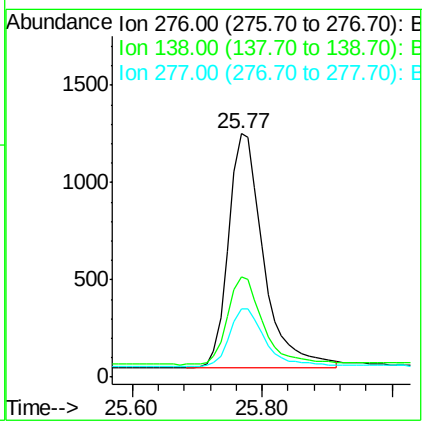


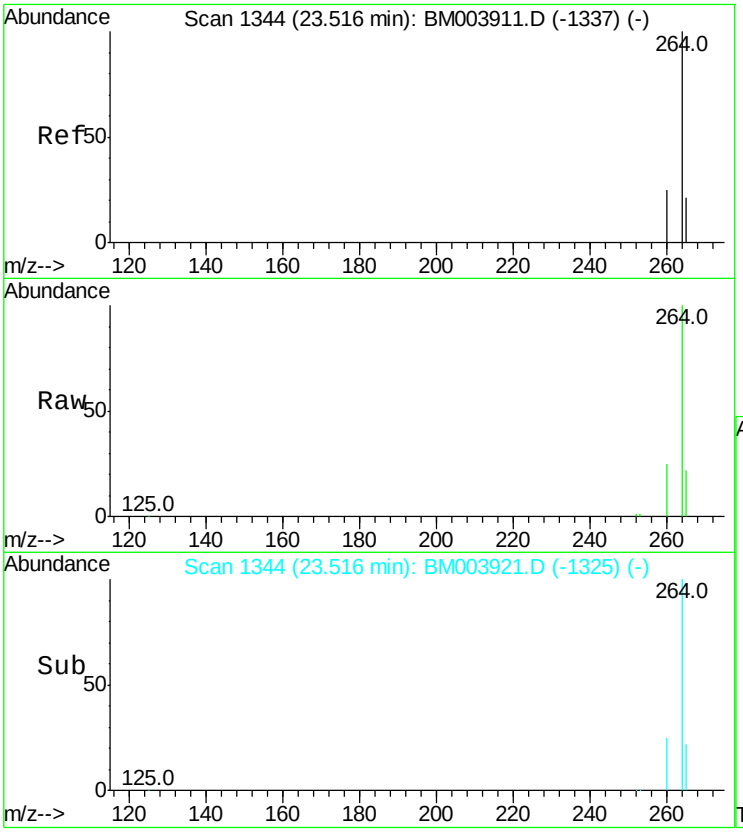


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.17 ng
RT: 25.77 min Scan# 1560
Delta R.T. 0.01 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Tgt Ion:276 Resp: 4477

Ion	Ratio	Lower	Upper
276	100		
138	38.3	30.2	45.2
277	24.5	19.8	29.8



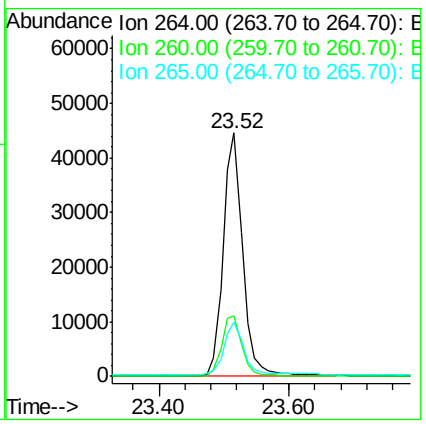


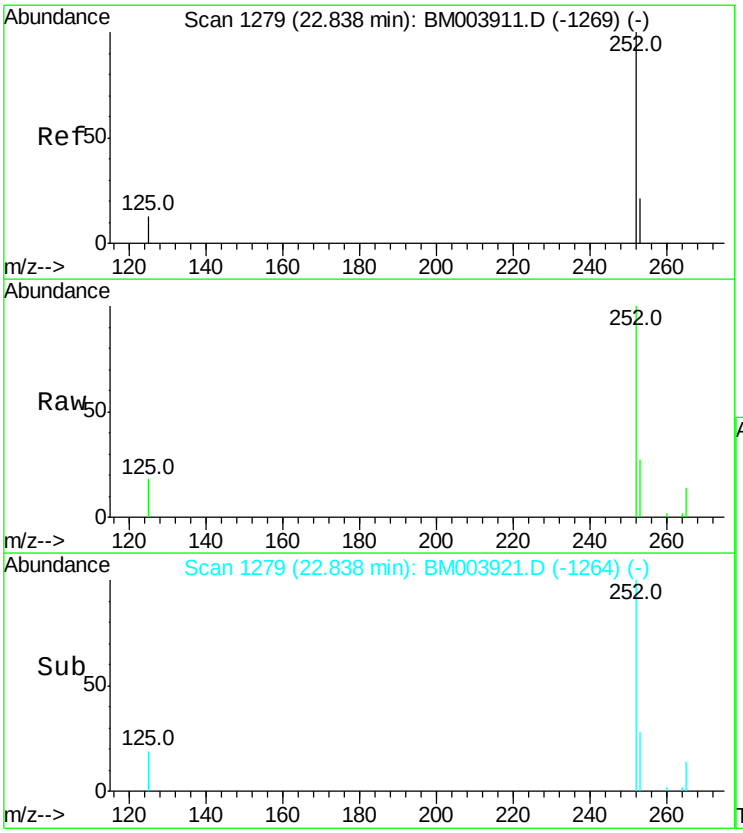
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.52 min Scan# 1344
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER2016-02

Tgt Ion:264 Resp: 91831

Ion	Ratio	Lower	Upper
264	100		
260	24.7	21.2	31.8
265	22.4	16.7	25.1

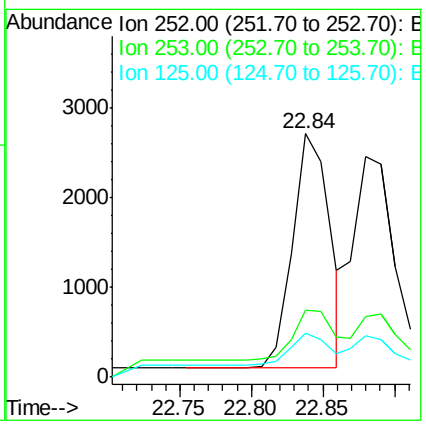


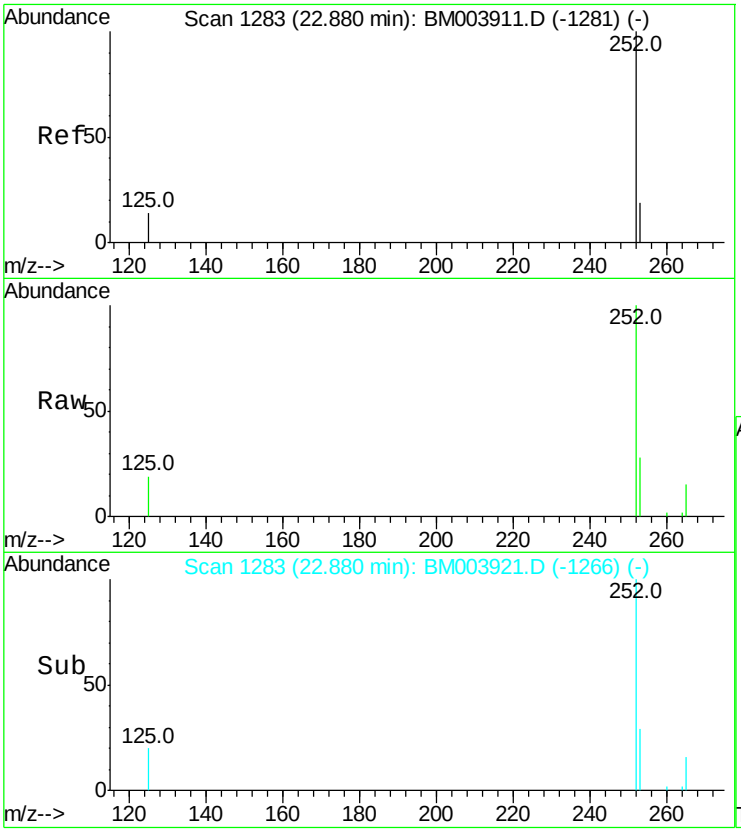


#36
Benzo(b)fluoranthene
Concen: 0.17 ng
RT: 22.84 min Scan# 1279
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Tgt Ion:252 Resp: 4699

Ion	Ratio	Lower	Upper
252	100		
253	27.3	18.8	28.2
125	18.1	10.2	15.4#



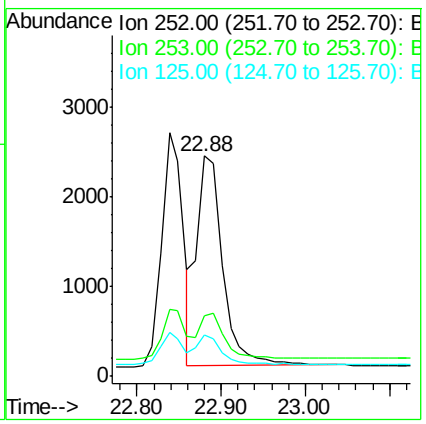


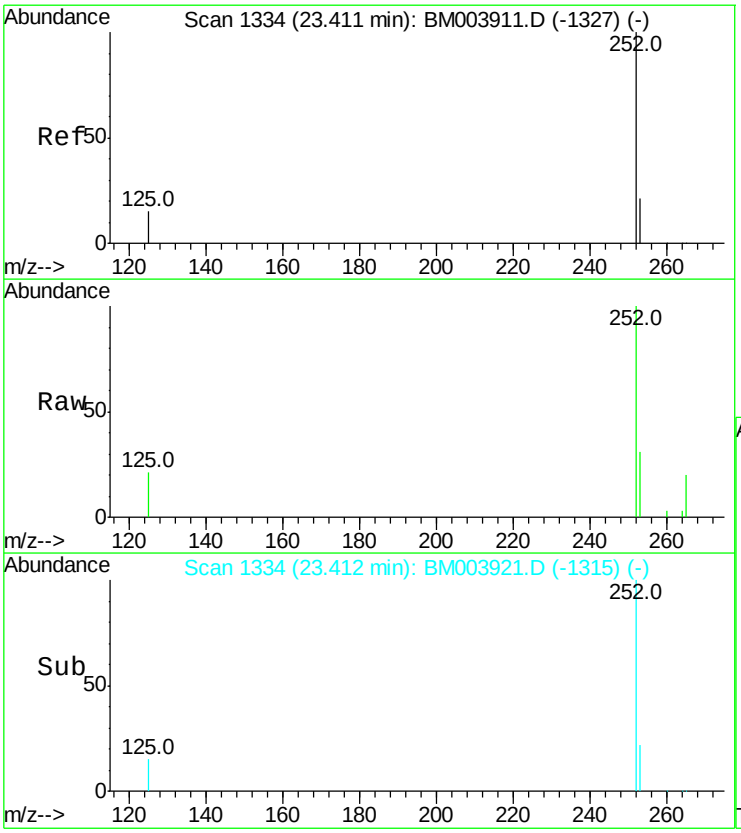
#37
Benzo(k)fluoranthene
Concen: 0.18 ng
RT: 22.88 min Scan# 1283
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER2016-02

Tgt Ion:252 Resp: 4977

Ion	Ratio	Lower	Upper
252	100		
253	27.7	18.3	27.5#
125	18.8	10.6	15.8#

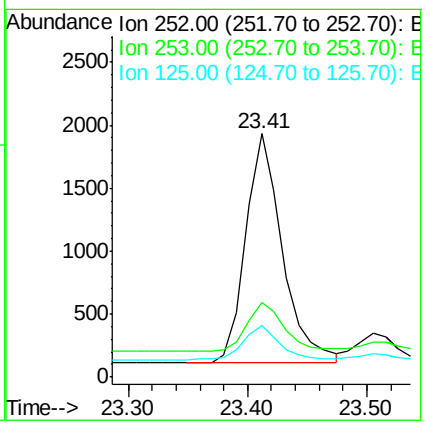


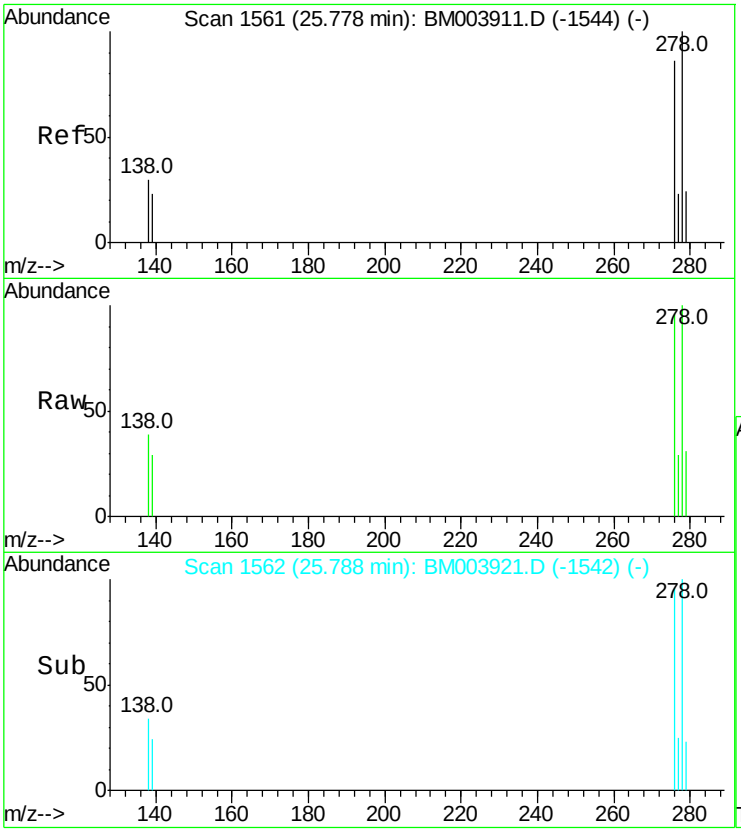


#38
Benzo(a)pyrene
Concen: 0.16 ng
RT: 23.41 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Tgt Ion:252 Resp: 3919

Ion	Ratio	Lower	Upper
252	100		
253	30.6	18.7	28.1#
125	21.1	11.8	17.8#



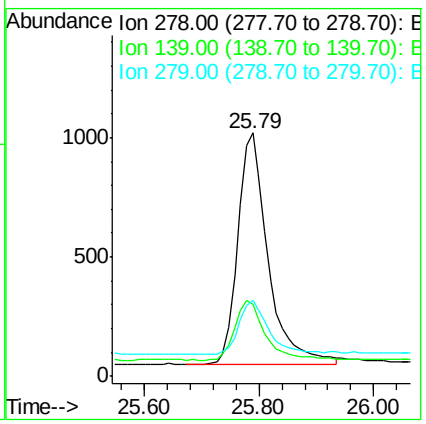


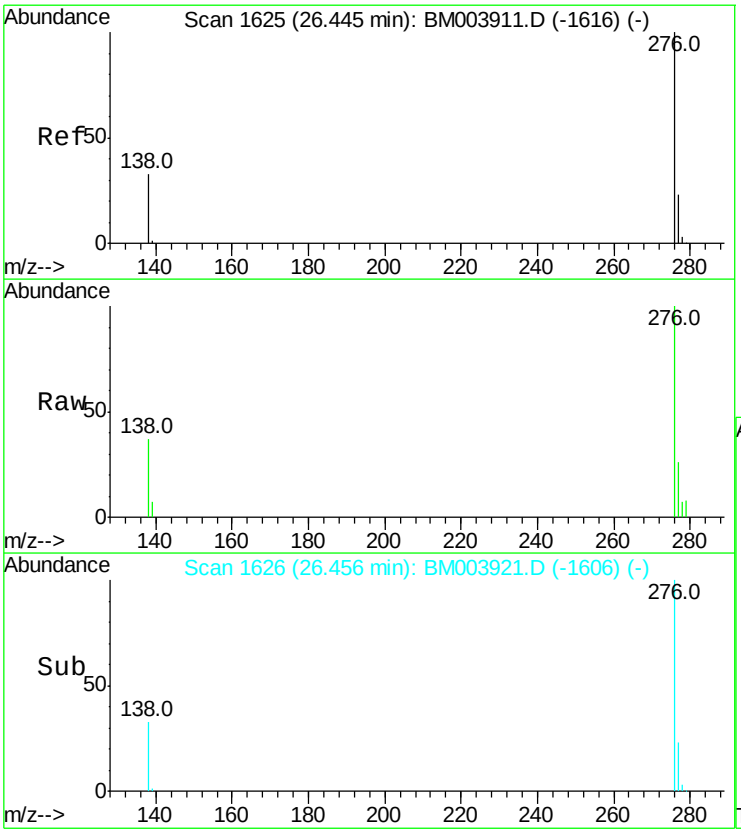
#39
Dibenzo(a,h)anthracene
Concen: 0.17 ng
RT: 25.79 min Scan# 1562
Delta R.T. 0.01 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER2016-02

Tgt Ion:278 Resp: 3552

Ion	Ratio	Lower	Upper
278	100		
139	29.5	19.0	28.6#
279	31.0	19.6	29.4#





#40
Benzo(g,h,i)perylene
Concen: 0.19 ng
RT: 26.46 min Scan# 1626
Delta R.T. 0.01 min
Lab File: BM003921.D
Acq: 31 Dec 2015 19:16

Tgt Ion:276 Resp: 4149

Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.1	28.7
138	36.6	25.0	37.4