Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM113015\
Data File : BM003331.D
Acq On : 30 Nov 2015 22:34
Operator : UM/IZ
Sample : G3707-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : LOD-WATER2015-01

Manual Integrations APPROVED
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12/1/2015 6:33:59 PM

Quant Time: Dec 01 05:42:54 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM112715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 27 16:36:40 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	61139	5.00	ng		-0.02
7) Naphthalene-d8	10.51	136	252007	5.00	ng		-0.02
13) Acenaphthene-d10	14.38	164	128245	5.00	ng		0.00
19) Phenanthrene-d10	17.12	188	269068	5.00	ng		0.00
26) Chrysene-d12	21.32	240	202879	5.00	ng		0.00
35) Perylene-d12	23.58	264	156881	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.31	112	96290	7.98	ng		0.00
5) Phenol-d6	6.88	99	124445	9.00	ng		-0.02
8) Nitrobenzene-d5	8.88	82	48576	4.33	ng		0.00
14) 2,4,6-Tribromophenol	15.87	330	29404	9.82	ng		0.00
15) 2-Fluorobiphenyl	12.99	172	170913	4.13	ng		-0.01
29) Terphenyl-d14	19.76	244	121985	4.31	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.23	88	653	0.04	ng	#	78
3) n-Nitrosodimethylamine	3.54	42	471	0.08	ng	#	98
6) bis(2-Chloroethyl)ether	7.14	93	1239	0.09	ng		98
9) Nitrobenzene	8.93	77	1114m	0.09	ng		
10) Naphthalene	10.56	128	4842	0.09	ng		96
11) Hexachlorobutadiene	10.85	225	706m	0.09	ng		
12) 2-Methylnaphthalene	12.18	142	3047	0.09	ng		98
16) Acenaphthylene	14.09	152	3574	0.08	ng		99
17) Acenaphthene	14.42	154	3489	0.10	ng	#	100
18) Fluorene	15.42	166	3685	0.10	ng		98
20) 4-Bromophenyl-phenylether	16.30	248	958	0.30	ng		95
21) Hexachlorobenzene	16.43	284	1187	0.13	ng	#	87
22) Pentachlorophenol	16.79	266	107	0.13	ng	#	71
23) Phenanthrene	17.15	178	6004	0.19	ng	#	96
24) Anthracene	17.25	178	4712	0.09	ng		99
25) Fluoranthene	19.18	202	5172	0.09	ng		99
27) Benzidine	19.37	184	818	0.21	ng	#	74
28) Pyrene	19.54	202	5360	0.09	ng		98
30) Benzo(a)anthracene	21.30	228	4889m	0.10	ng		
31) 3,3'-Dichlorobenzidine	21.24	252	1094	0.27	ng	#	88
32) Chrysene	21.34	228	4597m	0.09	ng		
33) Bis(2-ethylhexyl)phthalate	21.22	149	1733	0.10	ng	#	99
34) Indeno(1,2,3-cd)pyrene	25.85	276	3878	0.08	ng	#	80
36) Benzo(b)fluoranthene	22.89	252	3969	0.09	ng	#	81
37) Benzo(k)fluoranthene	22.93	252	3781	0.09	ng	#	80
38) Benzo(a)pyrene	23.47	252	3360	0.09	ng	#	76
39) Dibenzo(a,h)anthracene	25.86	278	3075	0.10	ng	#	83
40) Benzo(g,h,i)perylene	26.54	276	3476	0.09	ng	#	84

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

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Data Path : Z:\HPCHEM1\BNA M\DATA\BM113015\
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Misc :
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Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

Manual Integrations APPROVED
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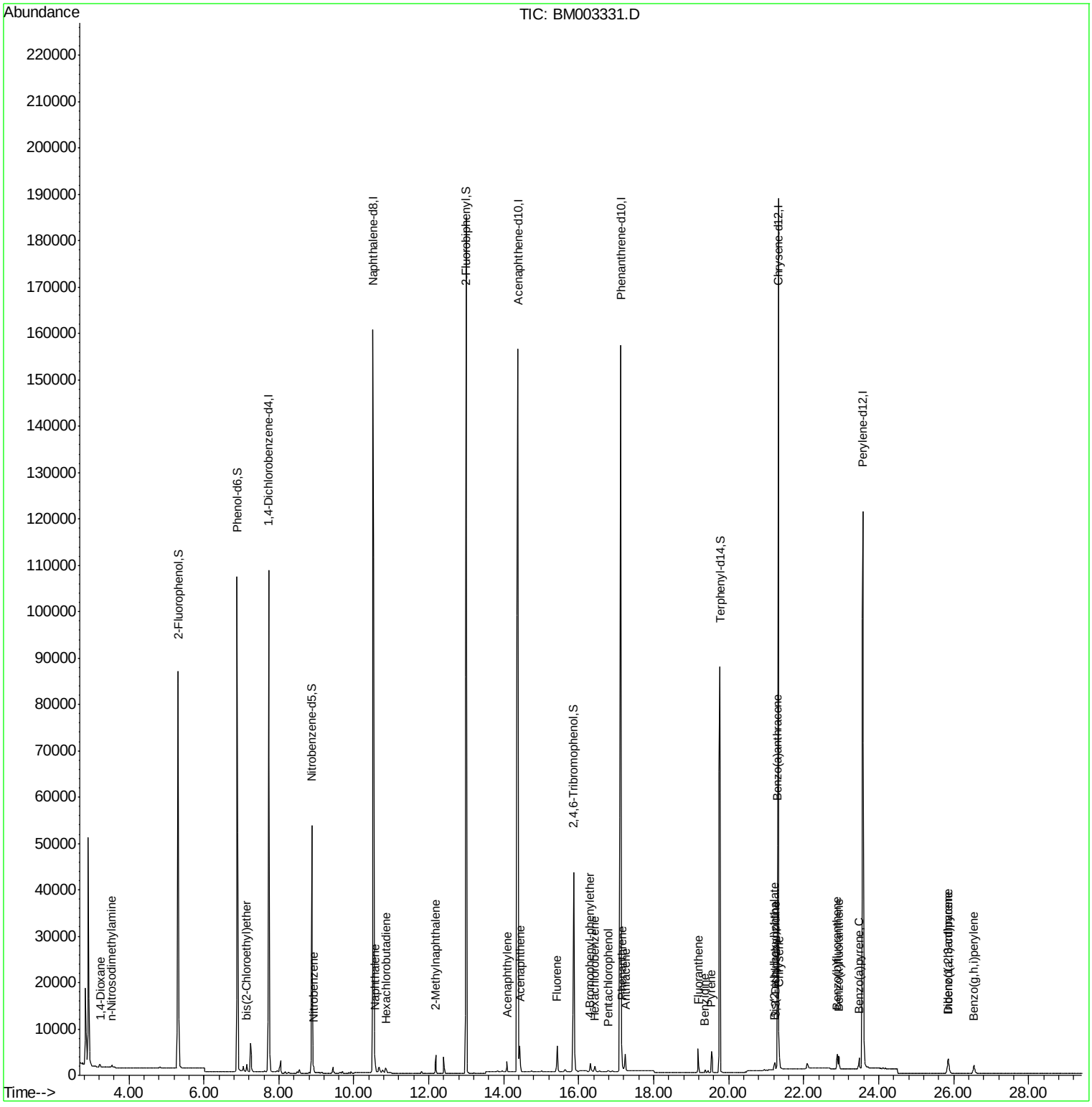
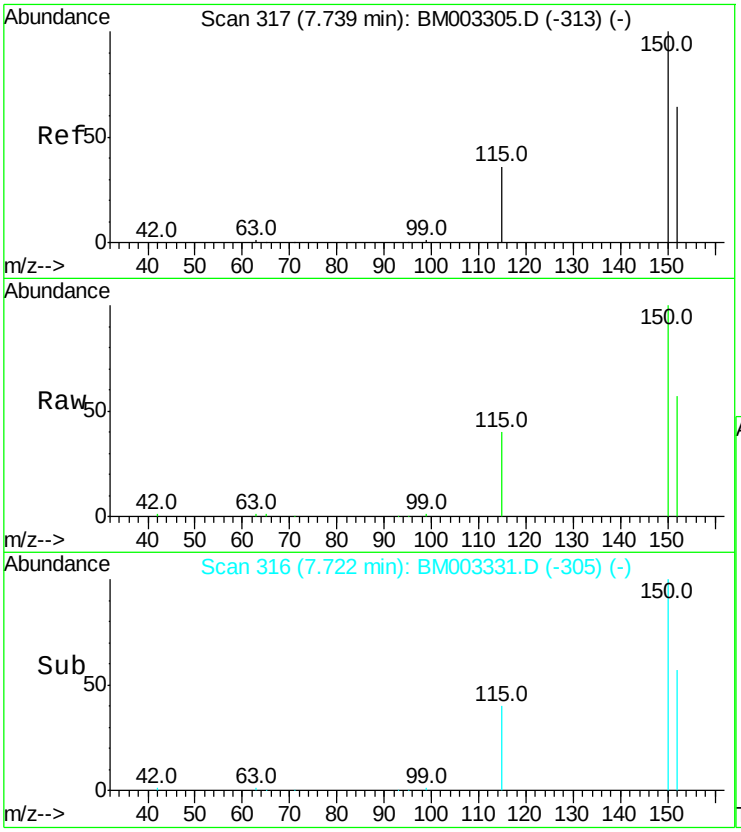
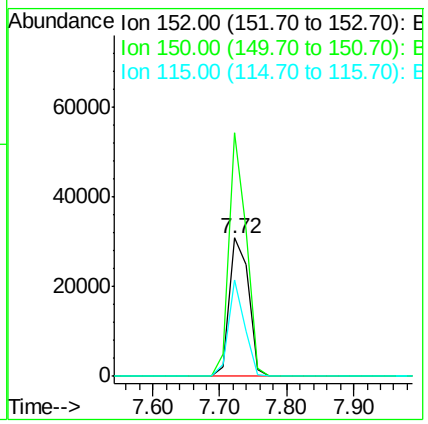




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.72 min Scan# 316
Delta R.T. -0.02 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:152 Resp: 61139

Ion	Ratio	Lower	Upper
152	100		
150	176.3	143.6	215.4
115	70.0	58.5	87.7



Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

Manual Integrations APPROVED
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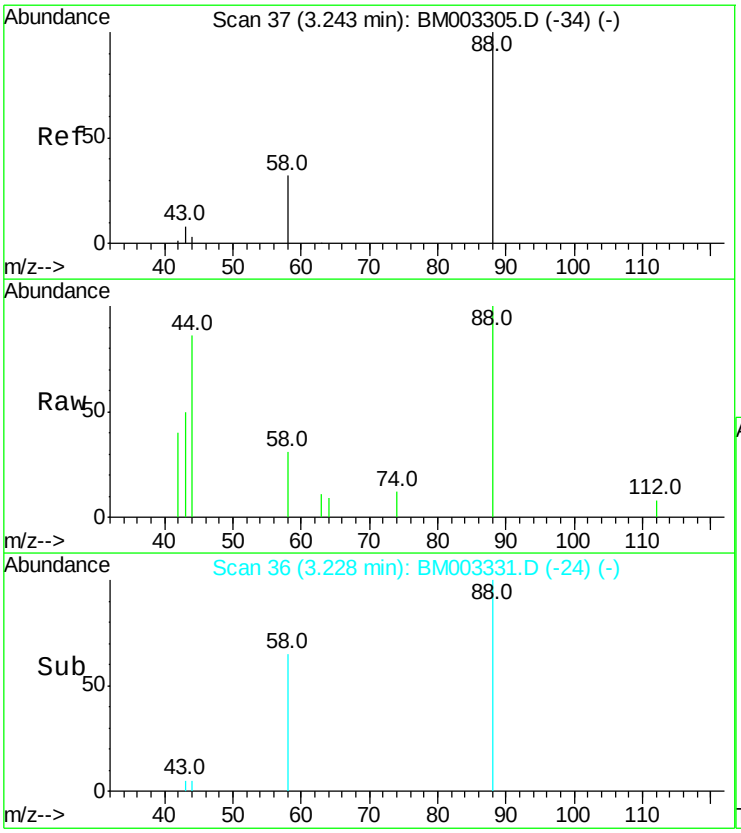
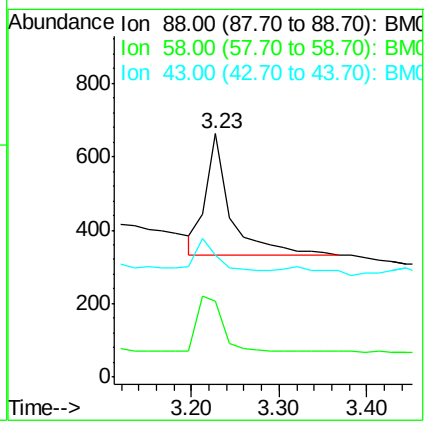
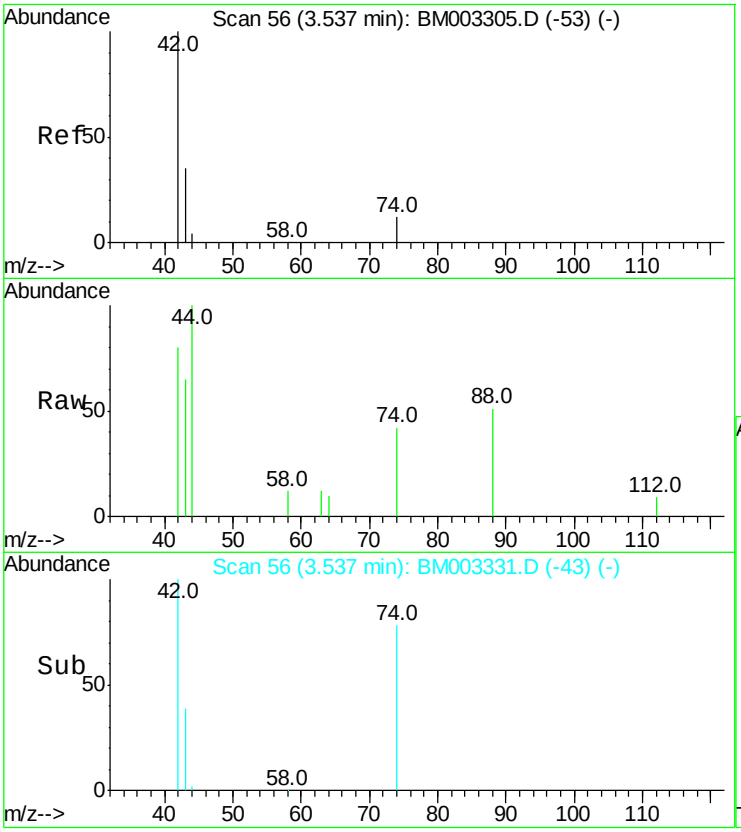


#2
1,4-Dioxane
Concen: 0.04 ng
RT: 3.23 min Scan# 36
Delta R.T. -0.02 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion: 88 Resp: 653

Ion	Ratio	Lower	Upper
88	100		
58	46.9	55.2	82.8#
43	22.8	21.8	32.6

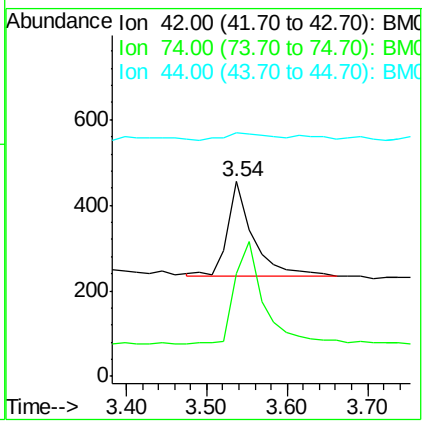




#3
n-Nitrosodimethylamine
Concen: 0.08 ng
RT: 3.54 min Scan# 56
Delta R.T. 0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion: 42 Resp: 471

Ion	Ratio	Lower	Upper
42	100		
74	124.8	101.0	151.4
44	13.4	6.3	9.5#



Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

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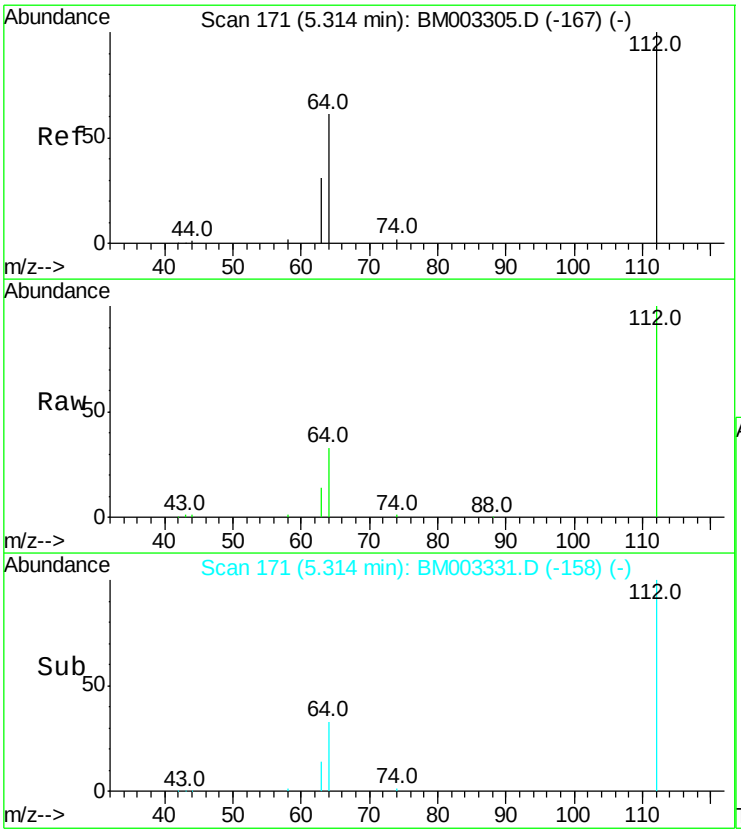
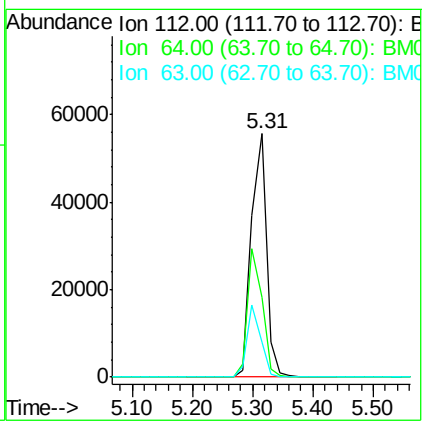
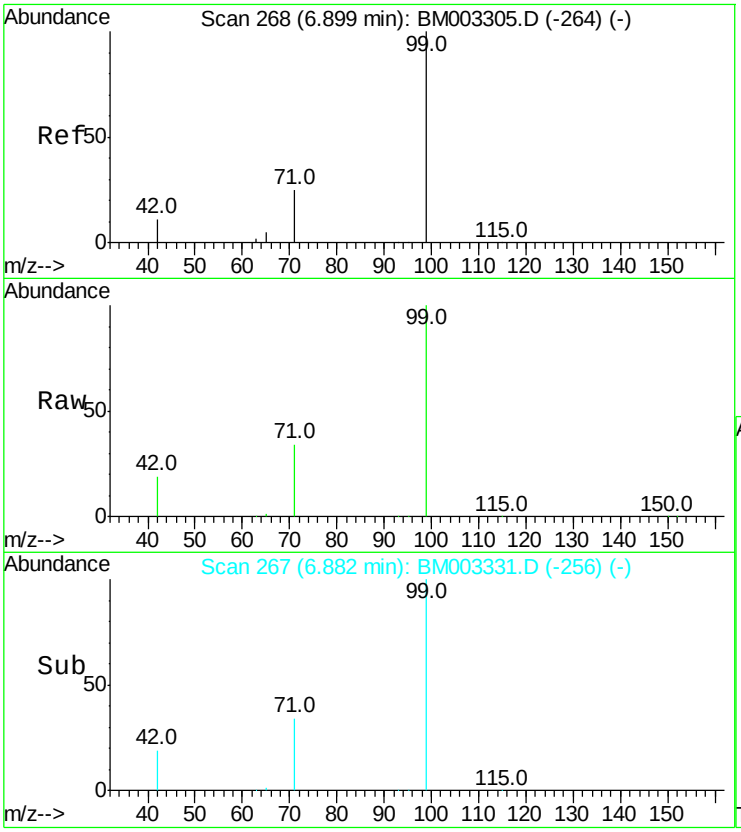


#4
2-Fluorophenol
Concen: 7.98 ng
RT: 5.31 min Scan# 171
Delta R.T. 0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:112 Resp: 96290

Ion	Ratio	Lower	Upper
112	100		
64	51.2	41.2	61.8
63	26.6	21.2	31.8

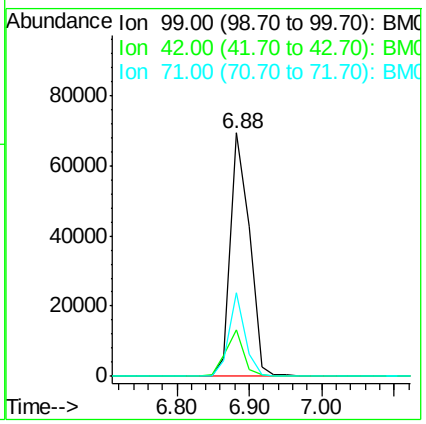




#5
Phenol-d6
Concen: 9.00 ng
RT: 6.88 min Scan# 267
Delta R.T. -0.02 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion: 99 Resp: 124445

Ion	Ratio	Lower	Upper
99	100		
42	17.3	14.6	22.0
71	29.0	23.3	34.9



Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

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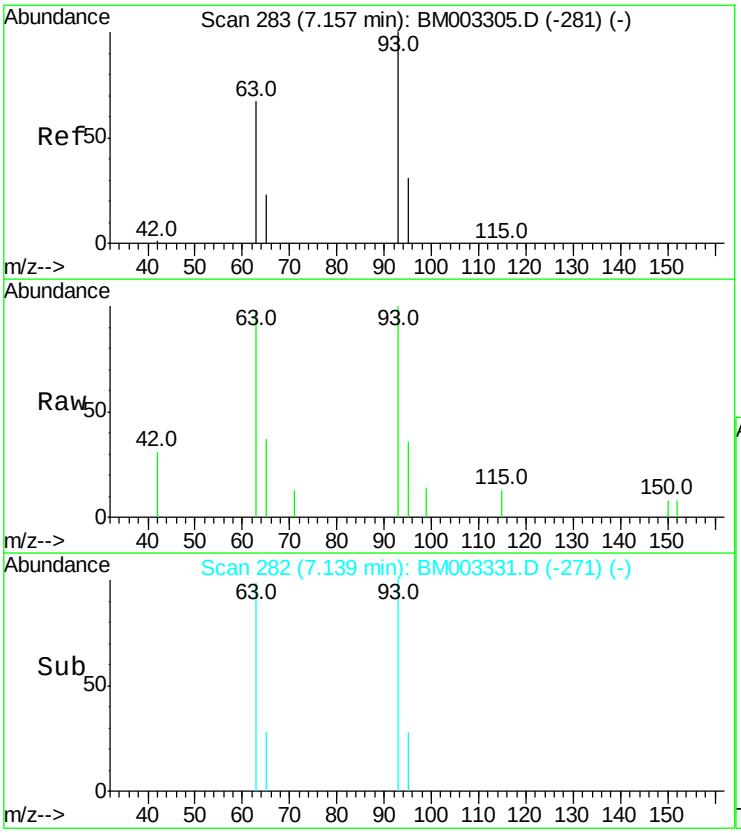
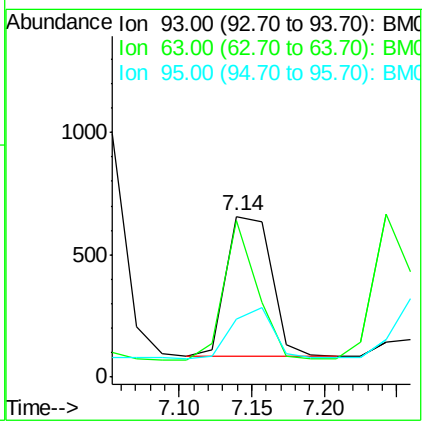
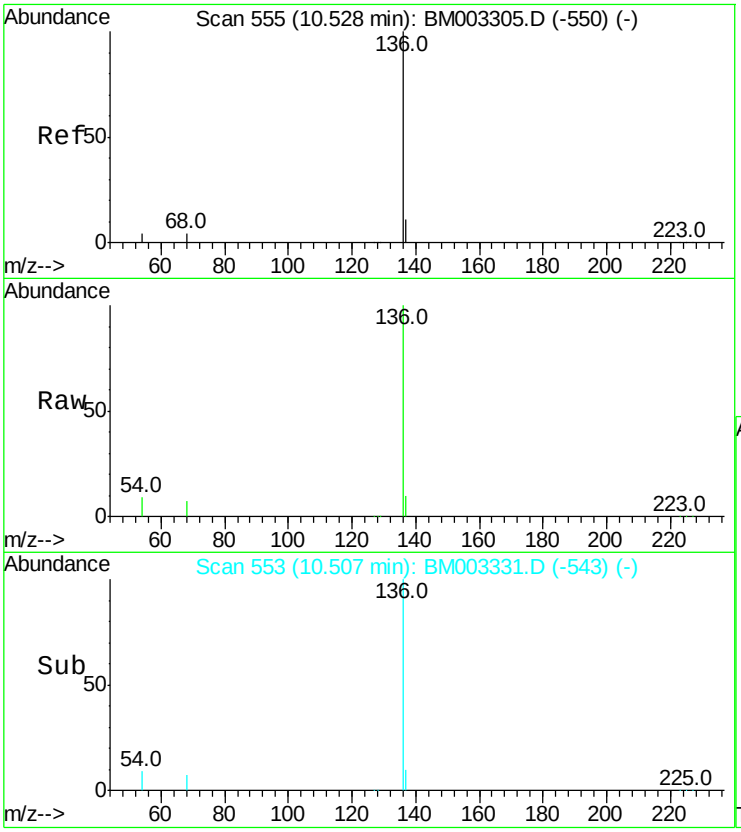


#6
bis(2-Chloroethyl)ether
Concen: 0.09 ng
RT: 7.14 min Scan# 282
Delta R.T. -0.02 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion: 93 Resp: 1239

Ion	Ratio	Lower	Upper
93	100		
63	74.5	58.2	87.4
95	32.5	26.2	39.4

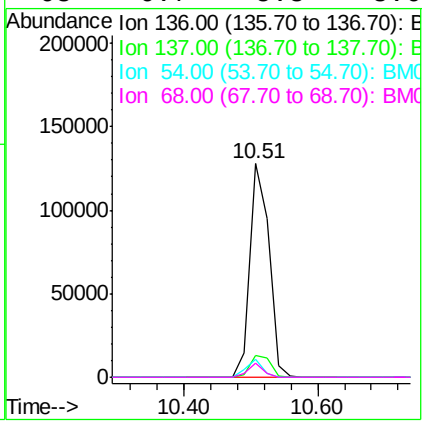




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.51 min Scan# 553
Delta R.T. -0.02 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:136 Resp: 252007

Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.0	12.0
54	8.6	7.4	11.0
68	6.7	5.8	8.6



Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

Manual Integrations APPROVED
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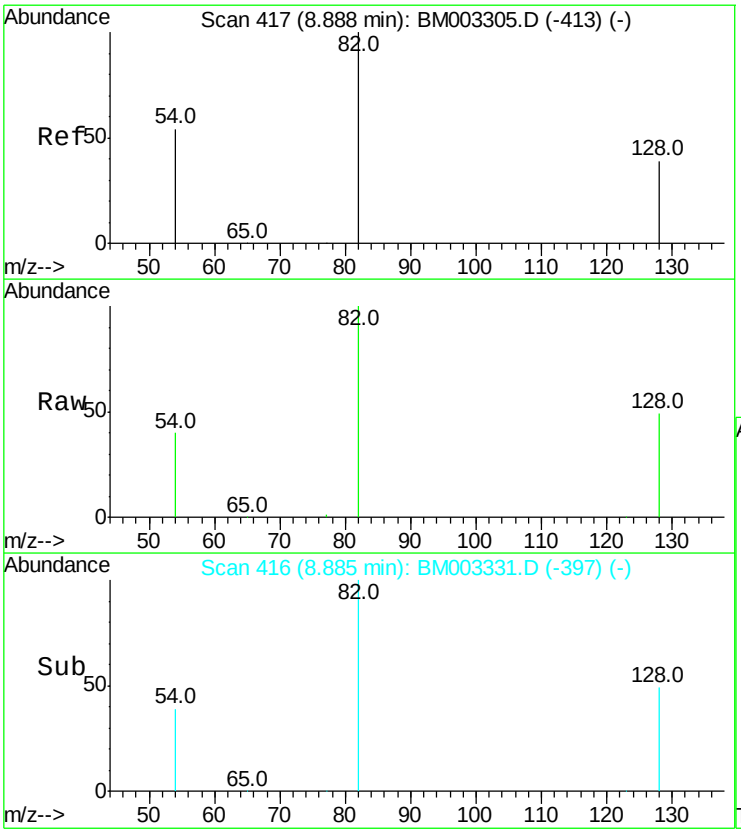
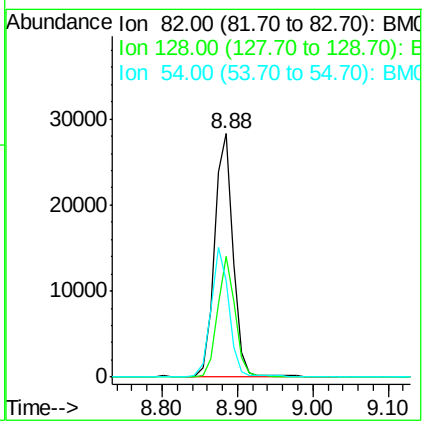
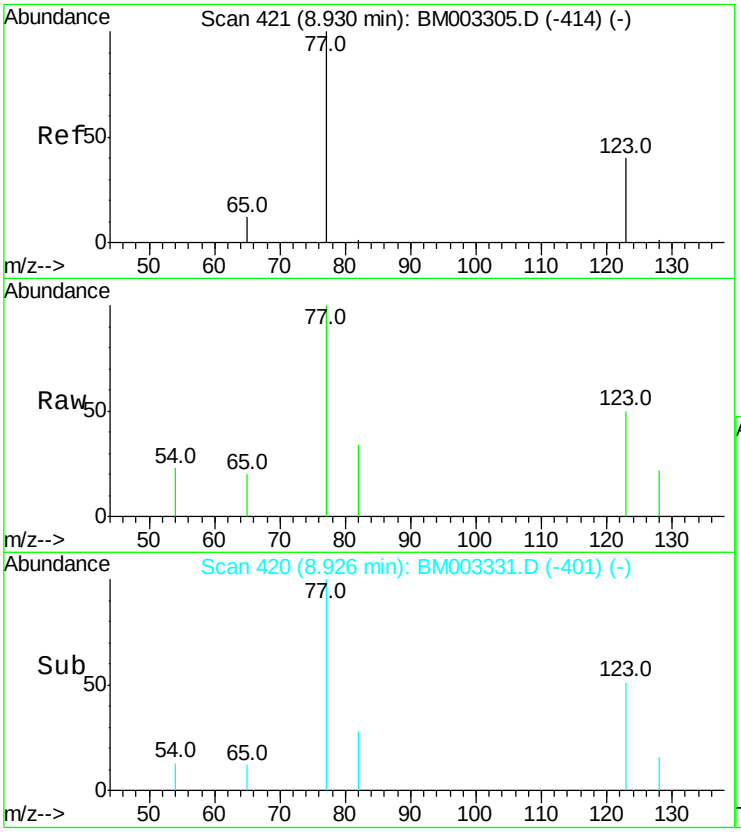


#8
Nitrobenzene-d5
Concen: 4.33 ng
RT: 8.88 min Scan# 416
Delta R.T. -0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion: 82 Resp: 48576

Ion	Ratio	Lower	Upper
82	100		
128	49.5	35.2	52.8
54	39.6	36.4	54.6

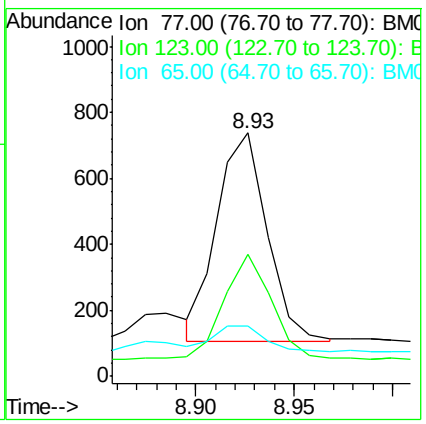




#9
Nitrobenzene
Concen: 0.09 ng m
RT: 8.93 min Scan# 420
Delta R.T. -0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion: 77 Resp: 1114

Ion	Ratio	Lower	Upper
77	100		
123	48.8	37.7	56.5
65	19.0	9.8	14.6#



Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

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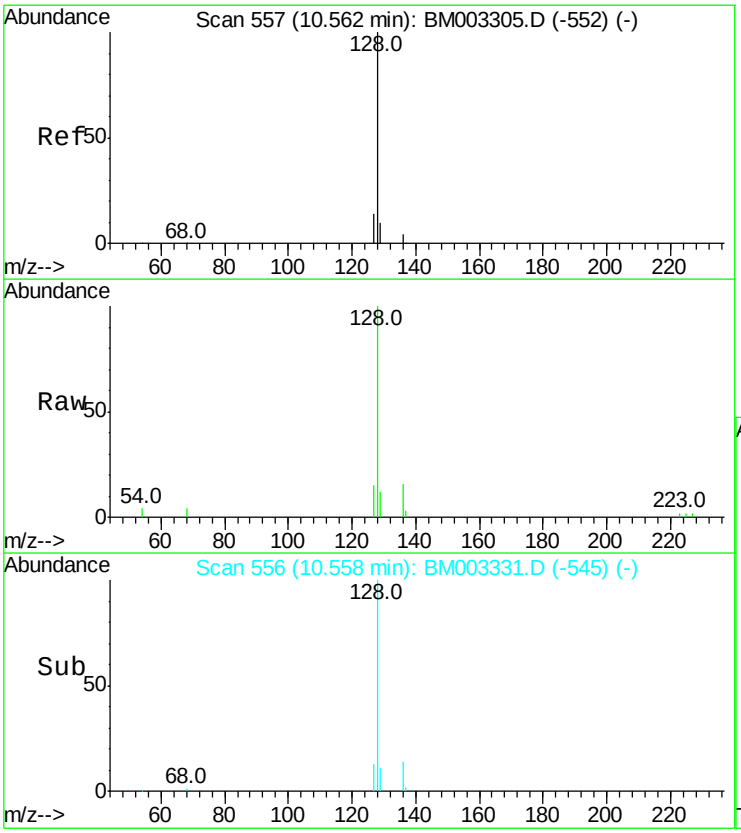
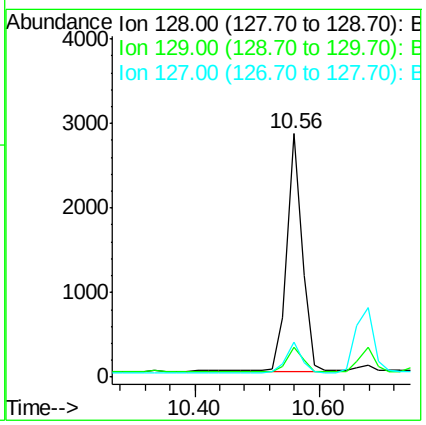
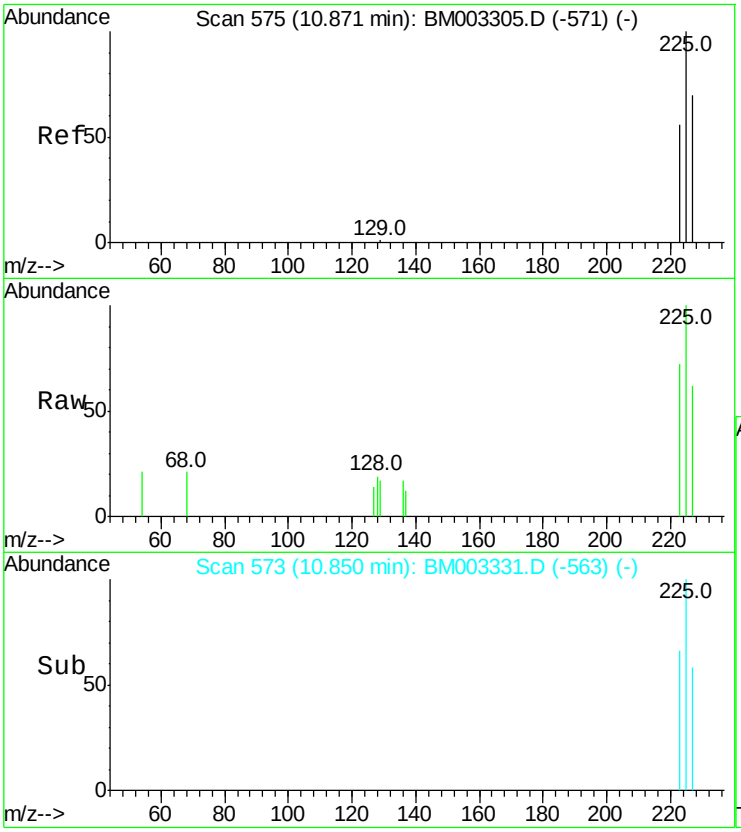


#10
Naphthalene
Concen: 0.09 ng
RT: 10.56 min Scan# 556
Delta R.T. -0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:128 Resp: 4842

Ion	Ratio	Lower	Upper
128	100		
129	12.5	8.5	12.7
127	14.5	10.6	16.0

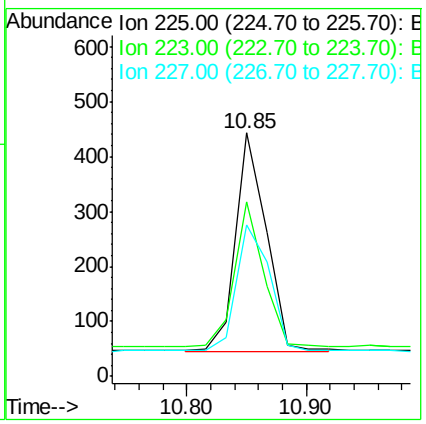




#11
Hexachlorobutadiene
Concen: 0.09 ng m
RT: 10.85 min Scan# 573
Delta R.T. -0.02 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:225 Resp: 706

Ion	Ratio	Lower	Upper
225	100		
223	62.0	53.0	79.4
227	61.3	52.2	78.4



Instrument :
BNA_M
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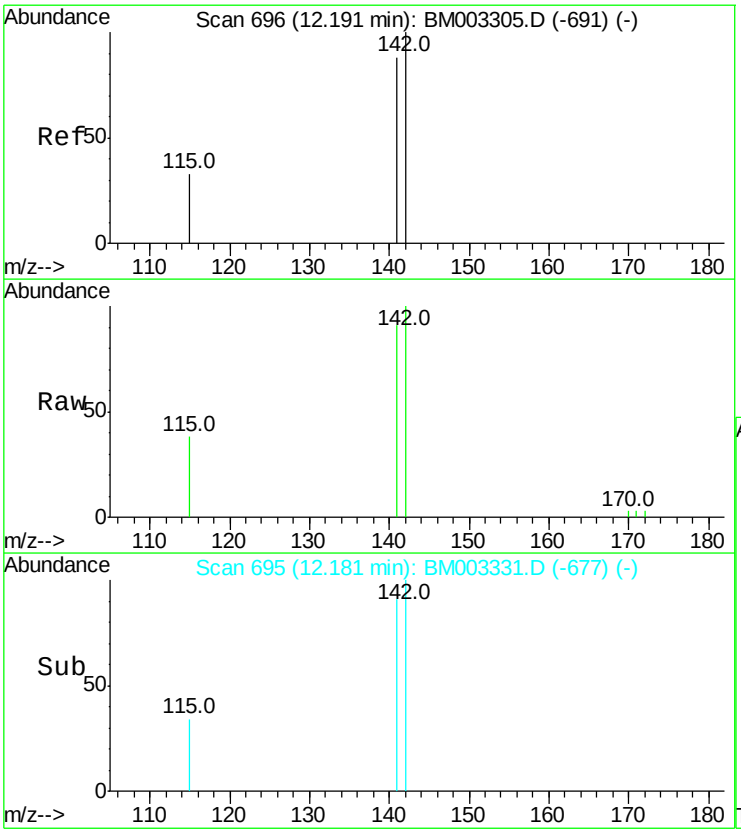
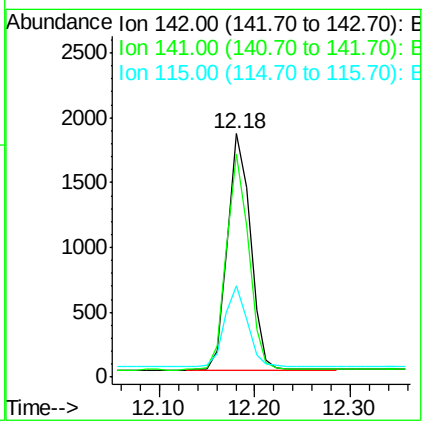
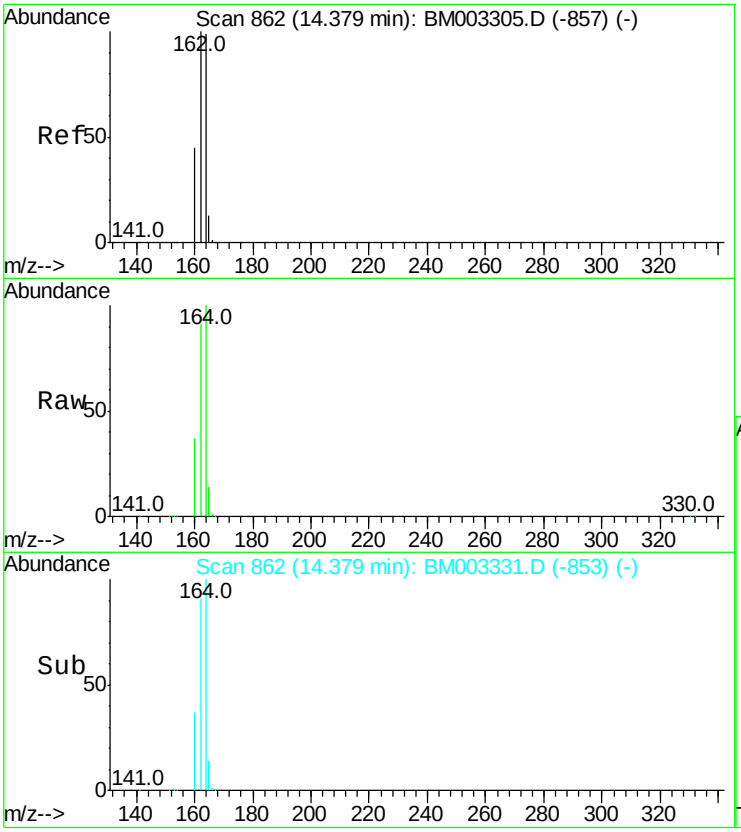


#12
2-Methylnaphthalene
Concen: 0.09 ng
RT: 12.18 min Scan# 695
Delta R.T. -0.01 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:142 Resp: 3047

Ion	Ratio	Lower	Upper
142	100		
141	91.5	72.2	108.2
115	37.5	28.0	42.0

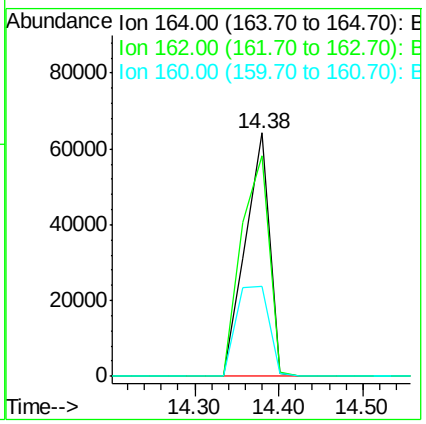




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.38 min Scan# 862
Delta R.T. 0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:164 Resp: 128245

Ion	Ratio	Lower	Upper
164	100		
162	90.6	78.3	117.5
160	36.8	33.8	50.6



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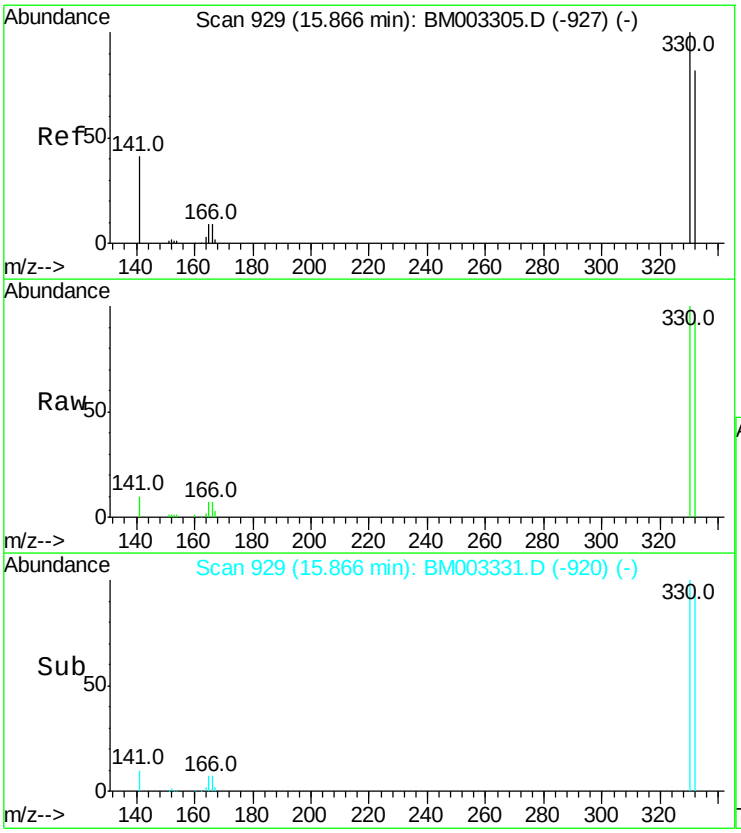
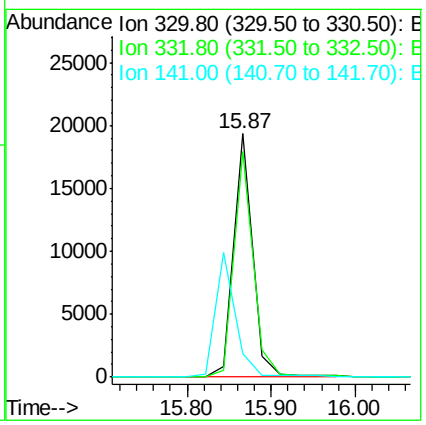
12/1/2015 6:33:59 PM

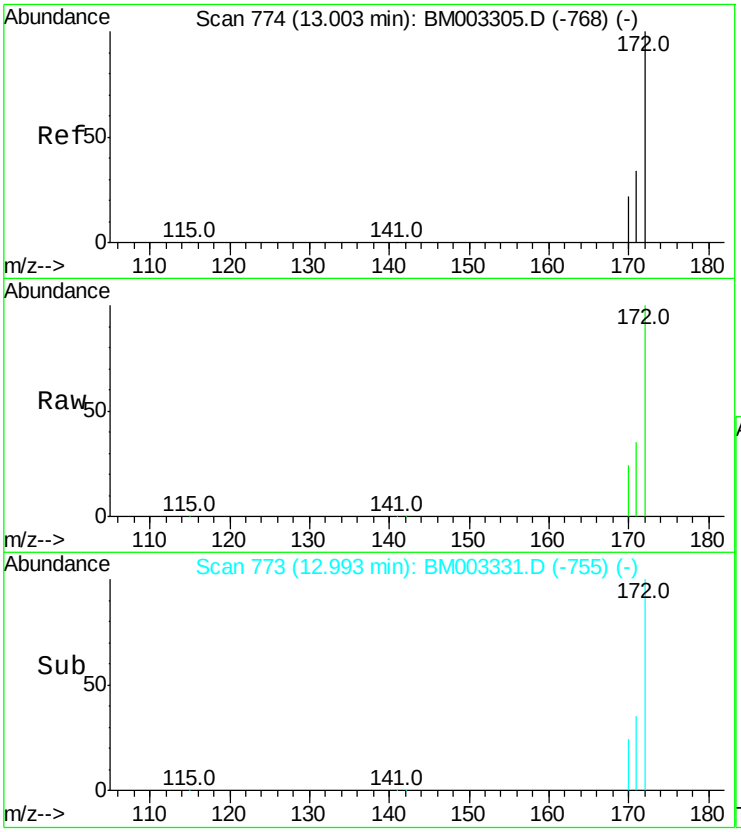


#14
2,4,6-Tribromophenol
Concen: 9.82 ng
RT: 15.87 min Scan# 929
Delta R.T. 0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:330 Resp: 29404

Ion	Ratio	Lower	Upper
330	100		
332	94.4	76.0	114.0
141	0.0	0.0	0.0

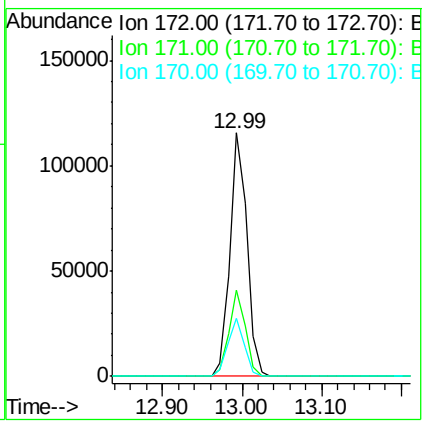




#15
2-Fluorobiphenyl
Concen: 4.13 ng
RT: 12.99 min Scan# 773
Delta R.T. -0.01 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:172 Resp: 170913

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.0	42.0
170	24.0	18.9	28.3



Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

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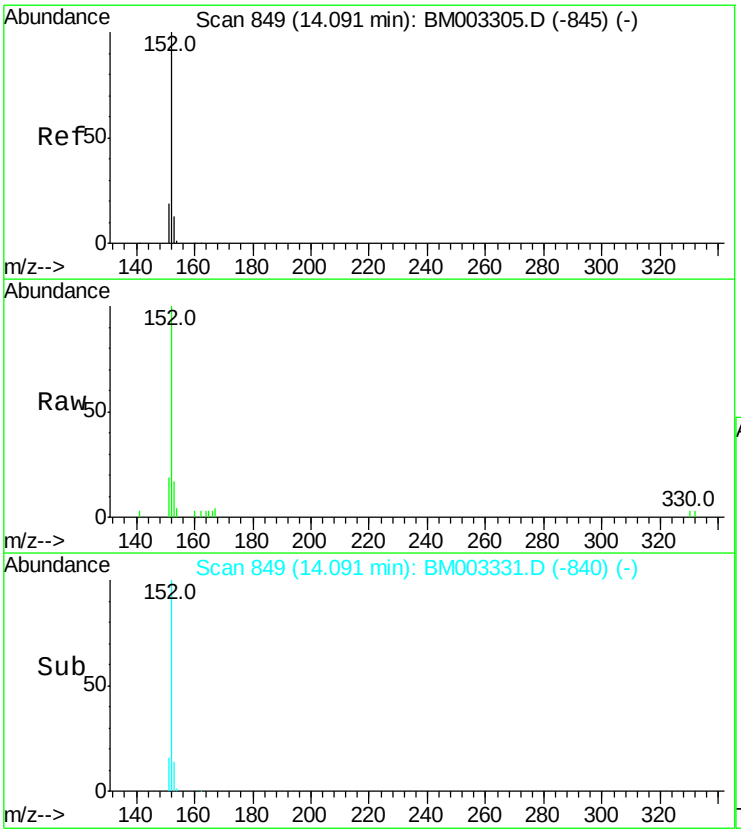
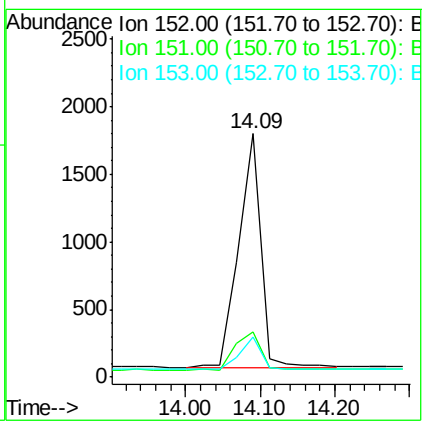
12/1/2015 6:33:59 PM

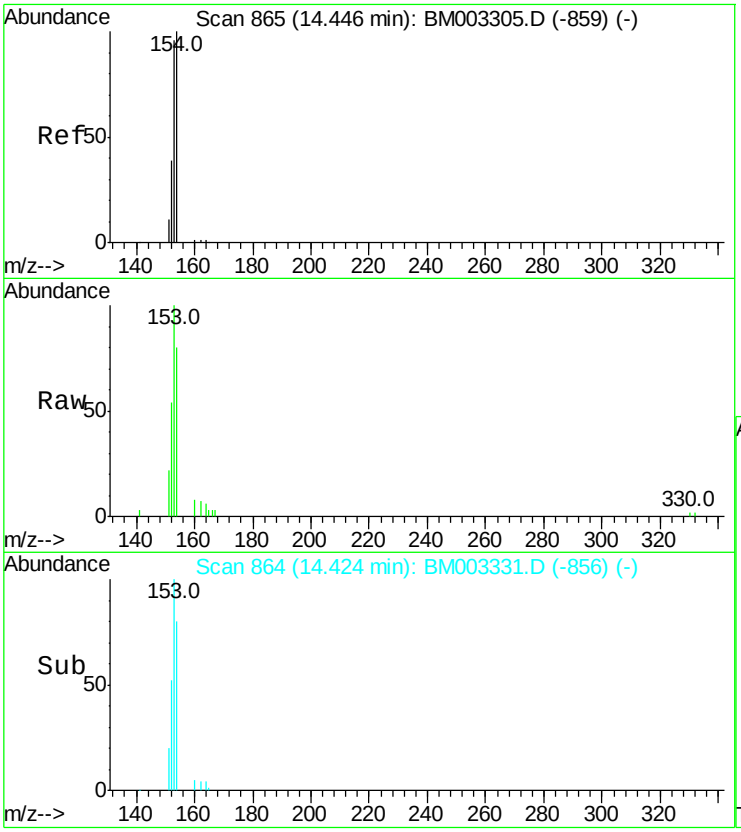


#16
Acenaphthylene
Concen: 0.08 ng
RT: 14.09 min Scan# 849
Delta R.T. 0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:152 Resp: 3574

Ion	Ratio	Lower	Upper
152	100		
151	18.6	15.2	22.8
153	13.0	10.4	15.6

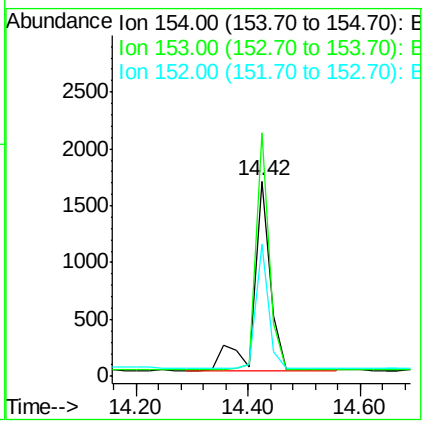




#17
Acenaphthene
Concen: 0.10 ng
RT: 14.42 min Scan# 864
Delta R.T. -0.02 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:154 Resp: 3489

Ion	Ratio	Lower	Upper
154	100		
153	98.2	0.0	0.0#
152	49.3	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

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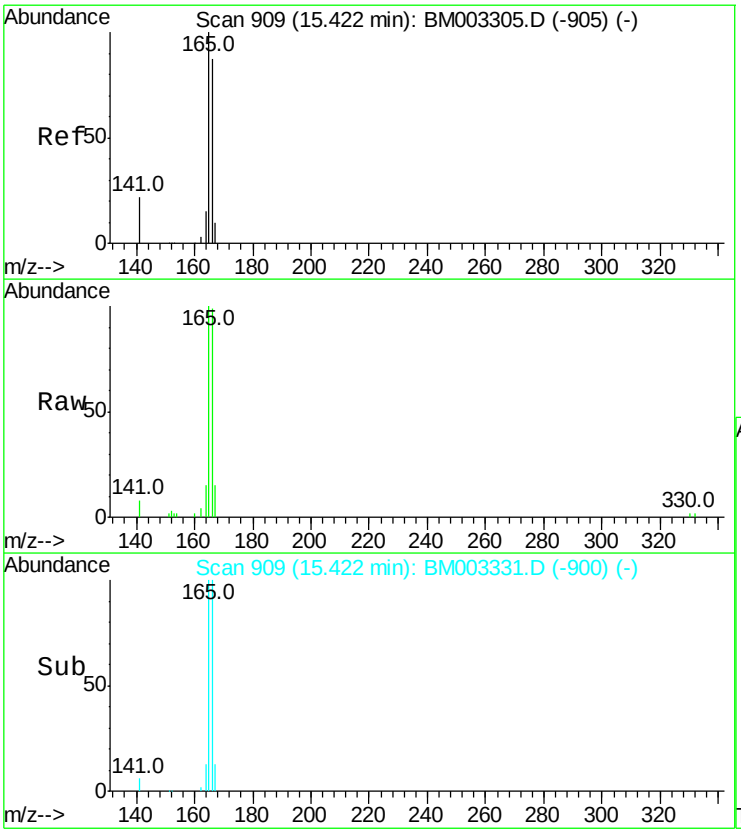
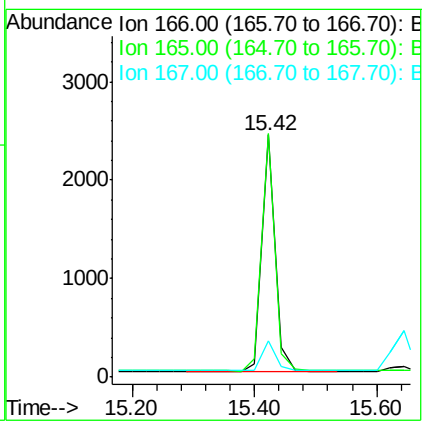
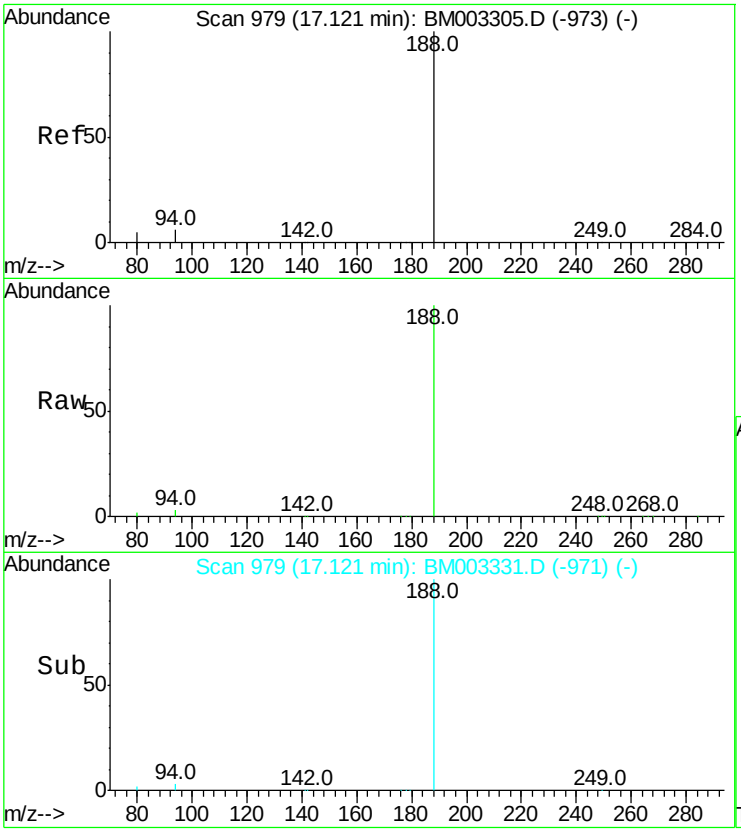


#18
Fluorene
Concen: 0.10 ng
RT: 15.42 min Scan# 909
Delta R.T. 0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:166 Resp: 3685

Ion	Ratio	Lower	Upper
166	100		
165	98.9	80.8	121.2
167	13.5	10.5	15.7

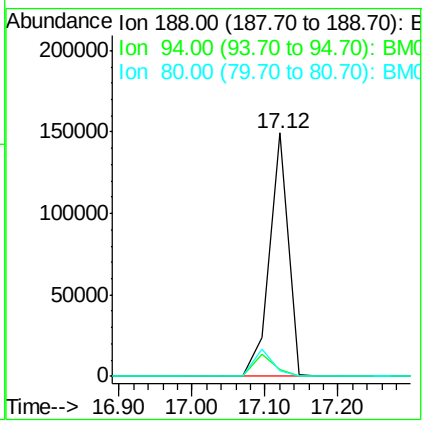




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.12 min Scan# 979
Delta R.T. 0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:188 Resp: 269068

Ion	Ratio	Lower	Upper
188	100		
94	2.7	1.8	2.6#
80	2.0	1.4	2.0



Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

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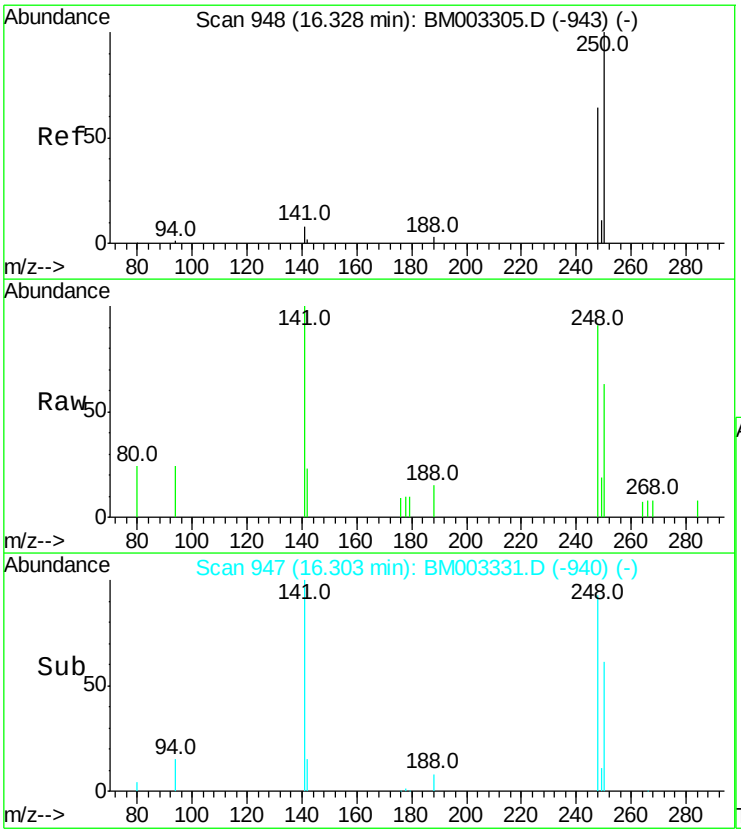
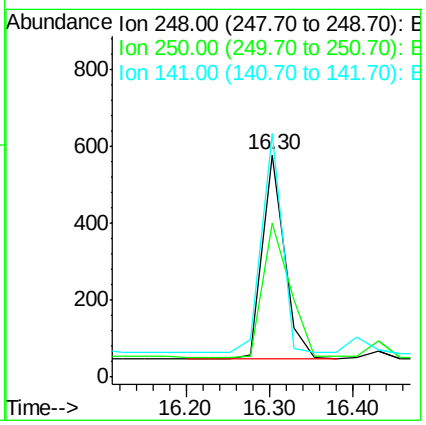
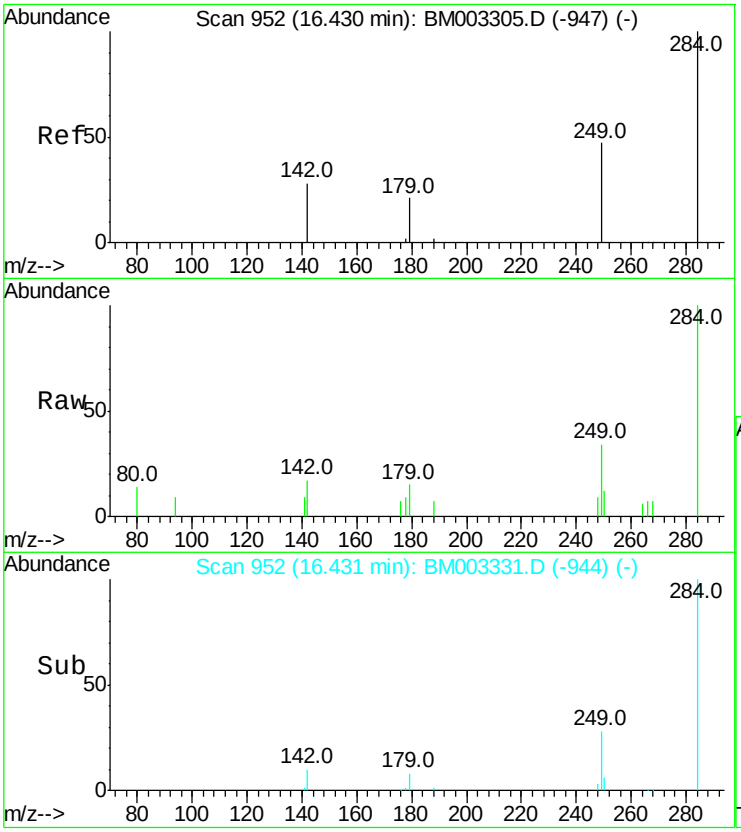


#20
4-Bromophenyl-phenylether
Concen: 0.30 ng
RT: 16.30 min Scan# 947
Delta R.T. -0.03 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:248 Resp: 958

Ion	Ratio	Lower	Upper
248	100		
250	80.8	65.4	98.0
141	98.3	72.8	109.2

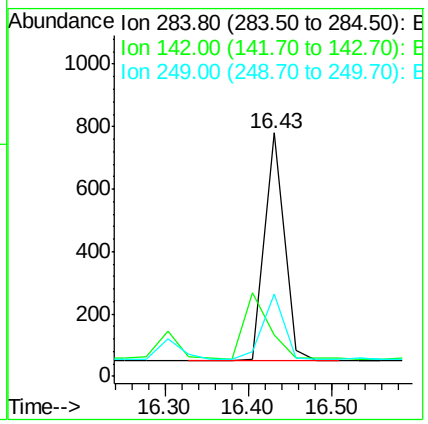




#21
Hexachlorobenzene
Concen: 0.13 ng
RT: 16.43 min Scan# 952
Delta R.T. 0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:284 Resp: 1187

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	30.6	19.4	29.2#



Instrument :
BNA_M
ClientSampleId :
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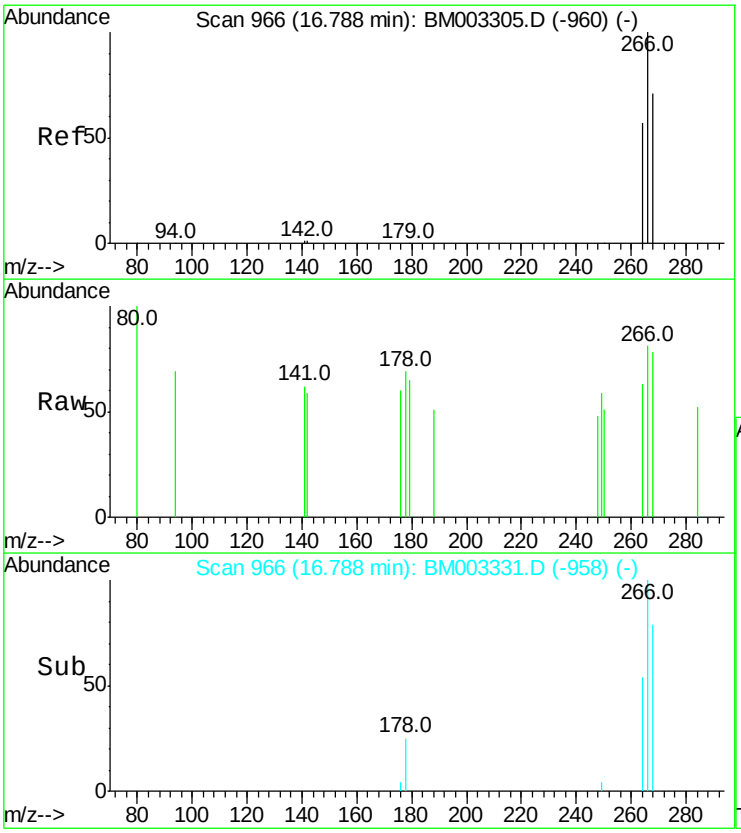
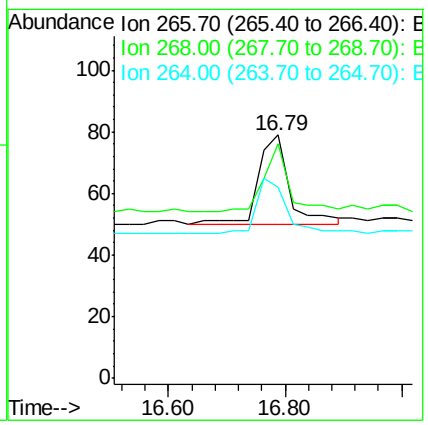
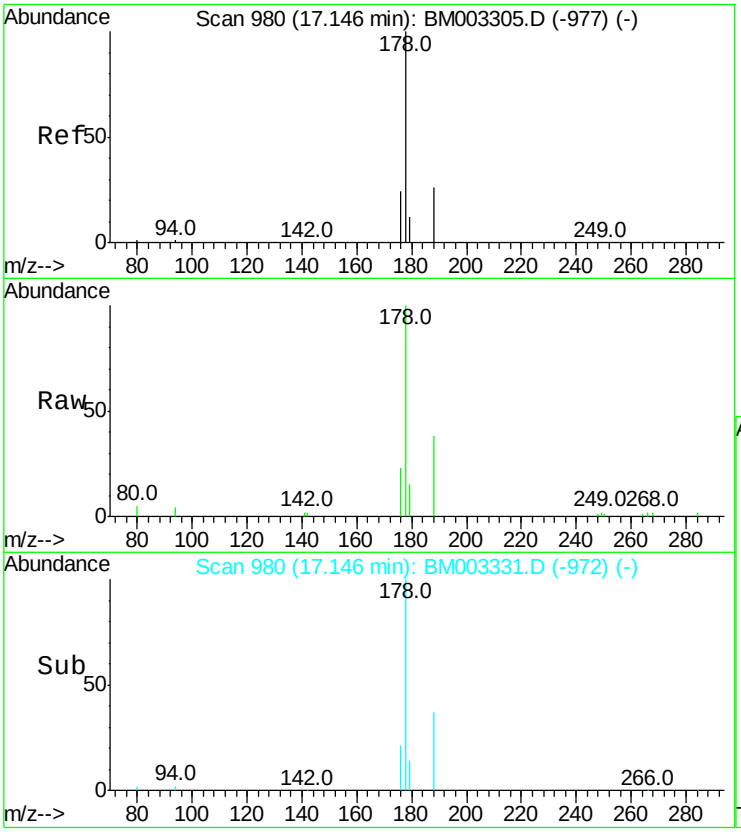


#22
Pentachlorophenol
Concen: 0.13 ng
RT: 16.79 min Scan# 966
Delta R.T. 0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:266 Resp: 107

Ion	Ratio	Lower	Upper
266	100		
268	96.2	45.8	68.8#
264	78.5	56.7	85.1

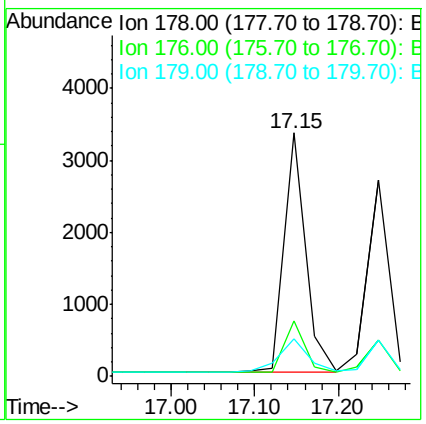




#23
Phenanthrene
Concen: 0.19 ng
RT: 17.15 min Scan# 980
Delta R.T. 0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:178 Resp: 6004

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.9	23.9
179	18.1	11.7	17.5#



Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

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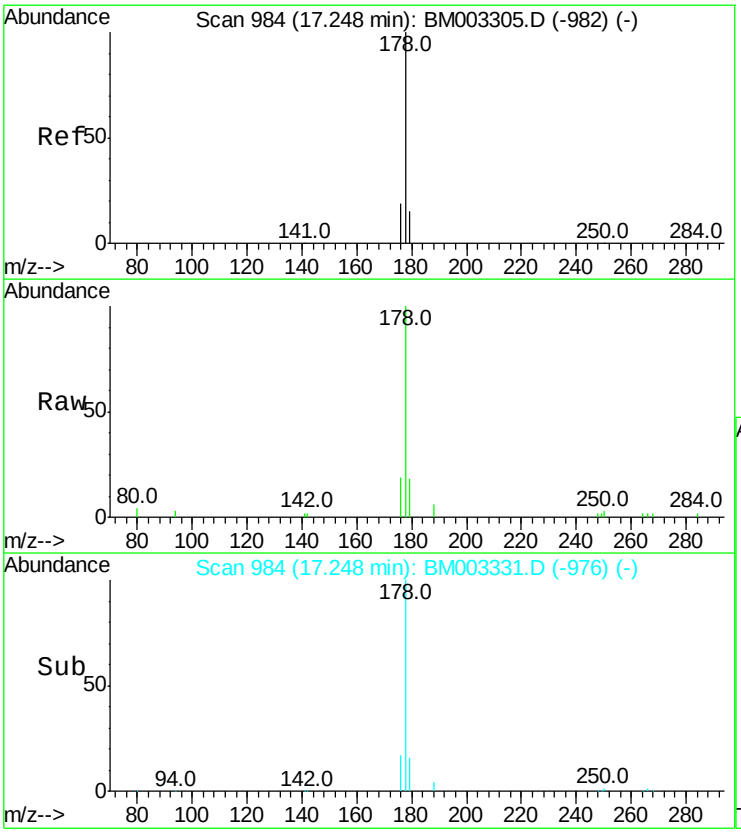
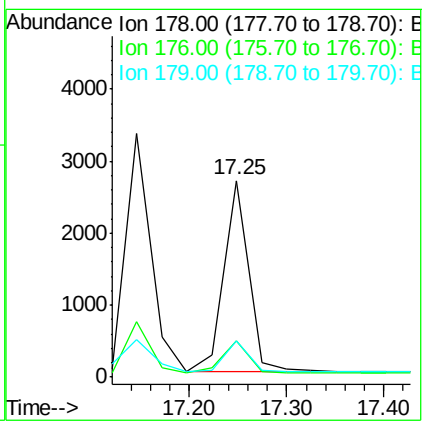
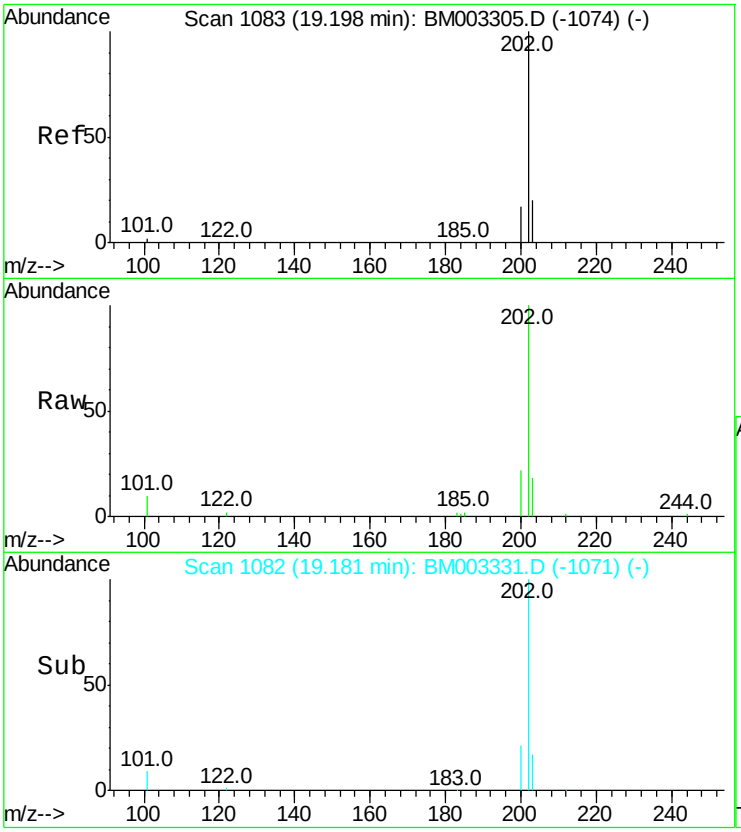


#24
Anthracene
Concen: 0.09 ng
RT: 17.25 min Scan# 984
Delta R.T. 0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:178 Resp: 4712

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.1	21.1
179	15.9	12.8	19.2

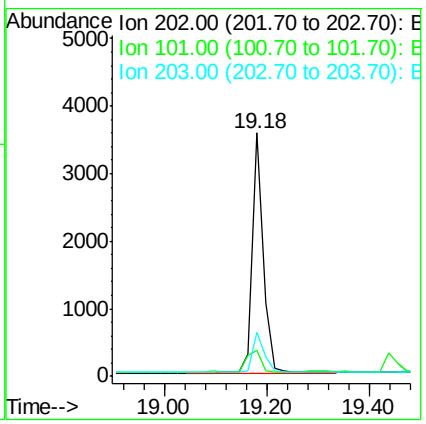




#25
Fluoranthene
Concen: 0.09 ng
RT: 19.18 min Scan# 1082
Delta R.T. -0.02 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:202 Resp: 5172

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.9	14.9
203	17.8	13.9	20.9



Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

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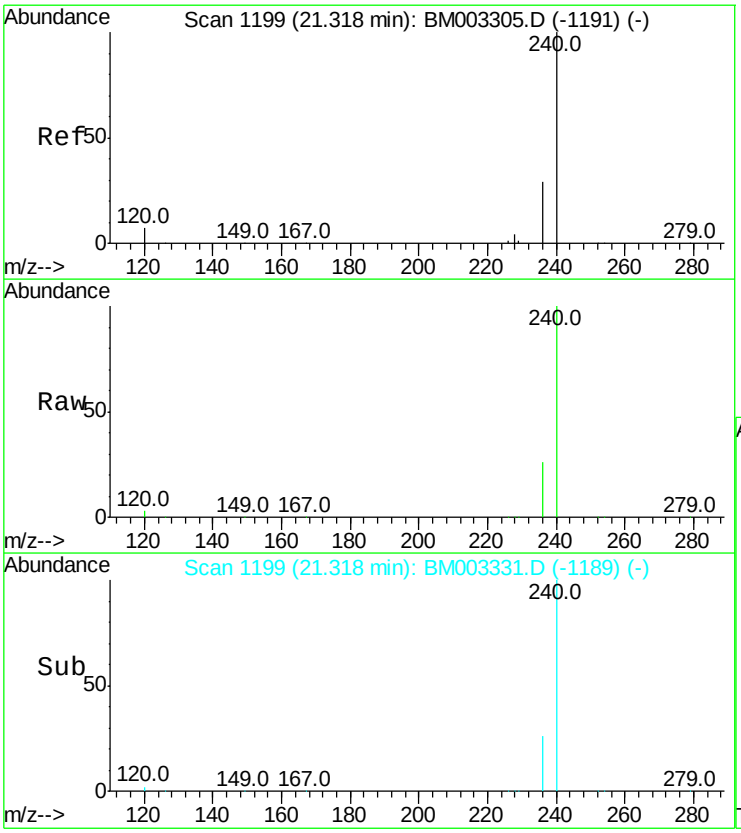
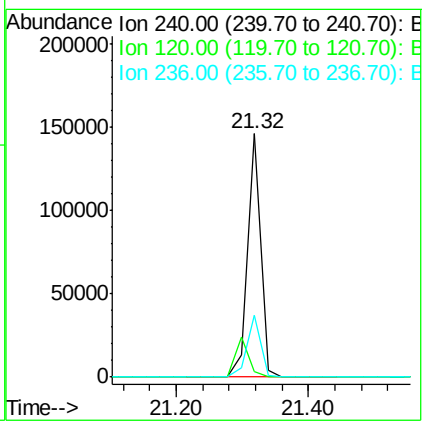
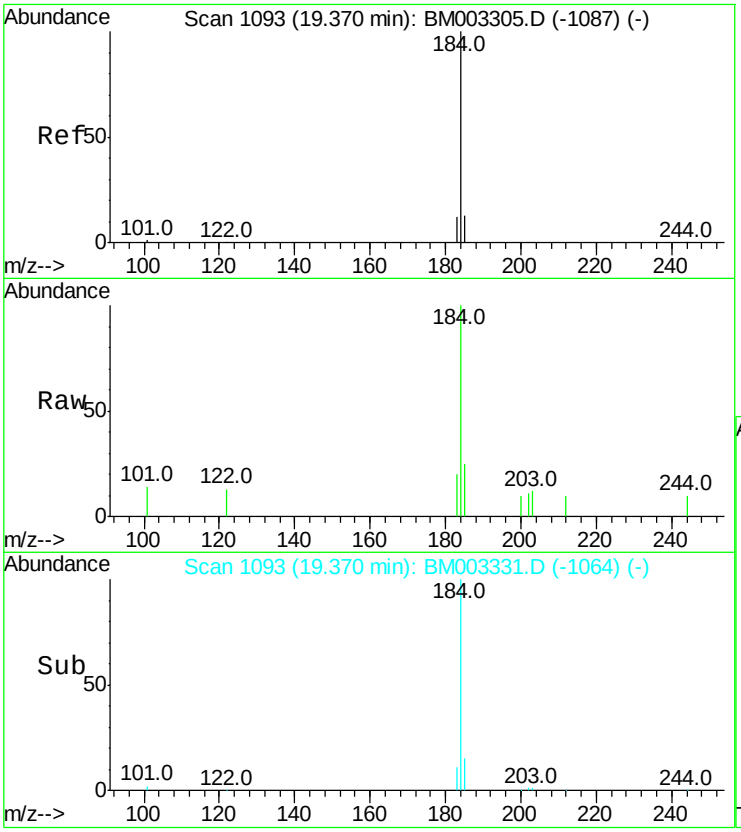


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.32 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:240 Resp: 202879

Ion	Ratio	Lower	Upper
240	100		
120	2.5	1.0	1.4#
236	25.6	17.9	26.9





#27
Benzidine
Concen: 0.21 ng
RT: 19.37 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:184 Resp: 818

Ion	Ratio	Lower	Upper
184	100		
185	25.2	11.6	17.4#
183	20.5	8.6	13.0#

Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

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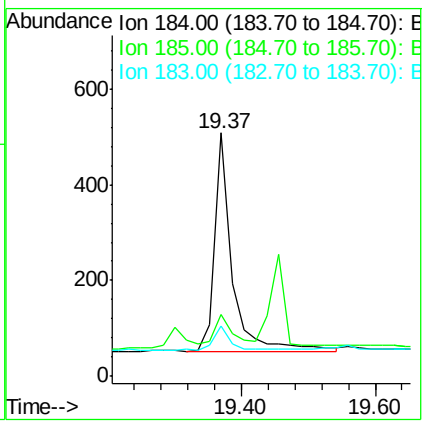
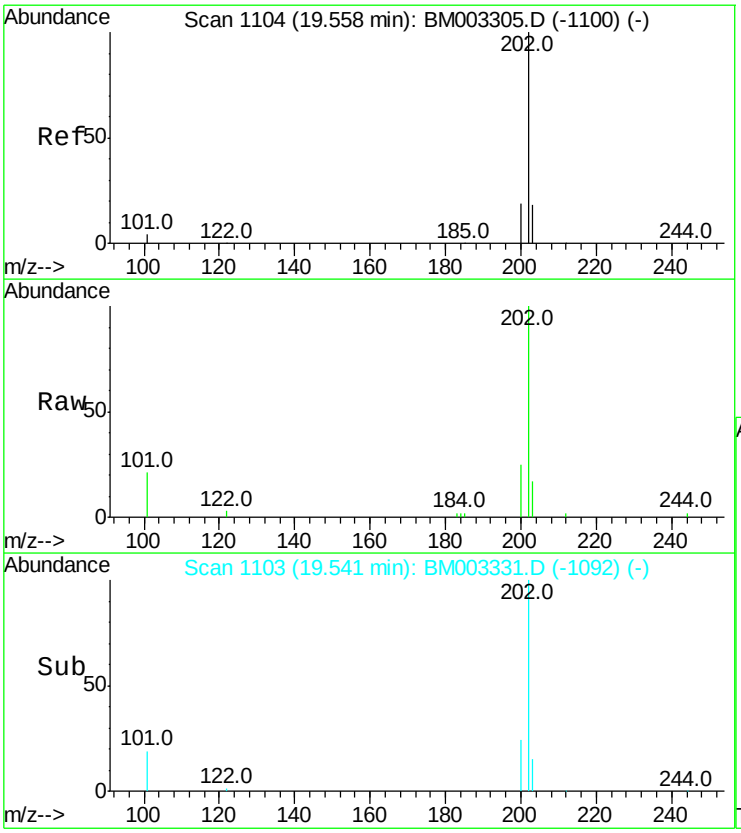
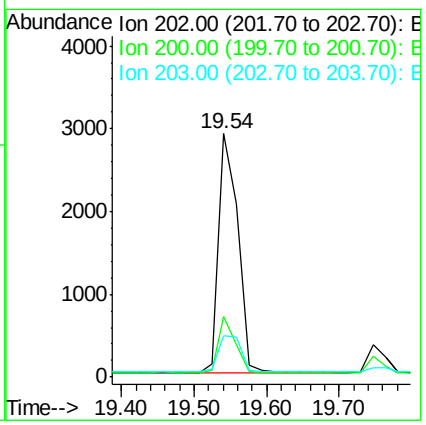


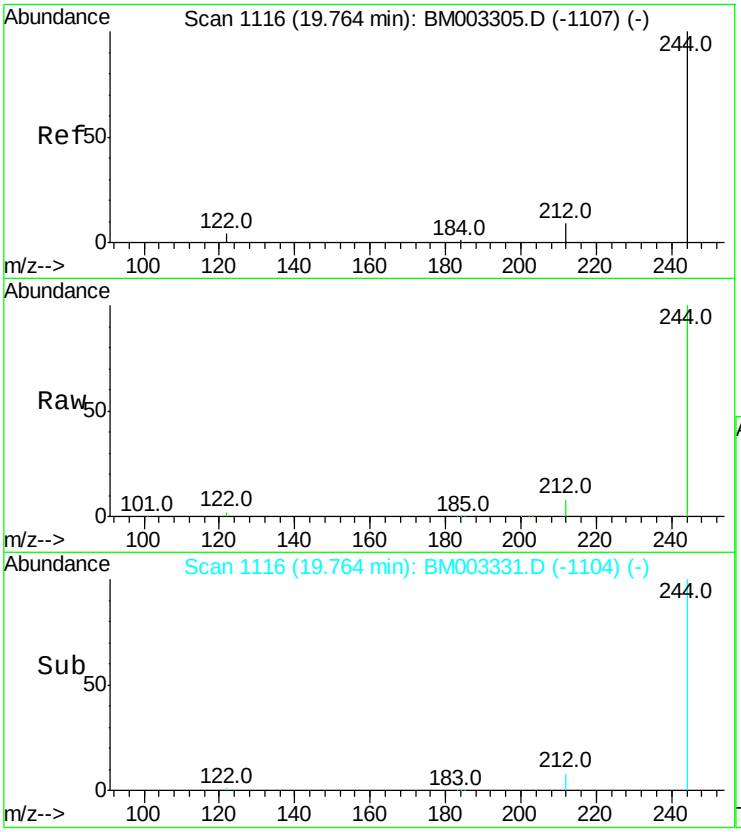


#28
Pyrene
Concen: 0.09 ng
RT: 19.54 min Scan# 1103
Delta R.T. -0.02 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:202 Resp: 5360

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	18.7	13.8	20.6

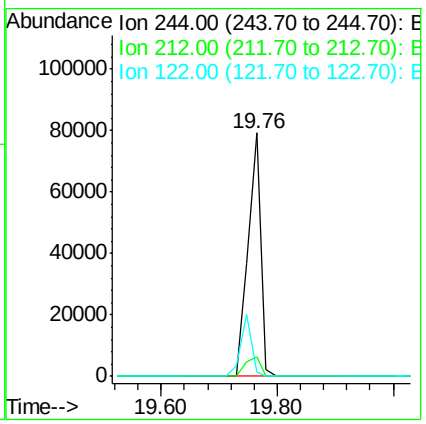




#29
Terphenyl-d14
Concen: 4.31 ng
RT: 19.76 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:244 Resp: 121985

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.5	9.7
122	1.5	2.0	3.0#



Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

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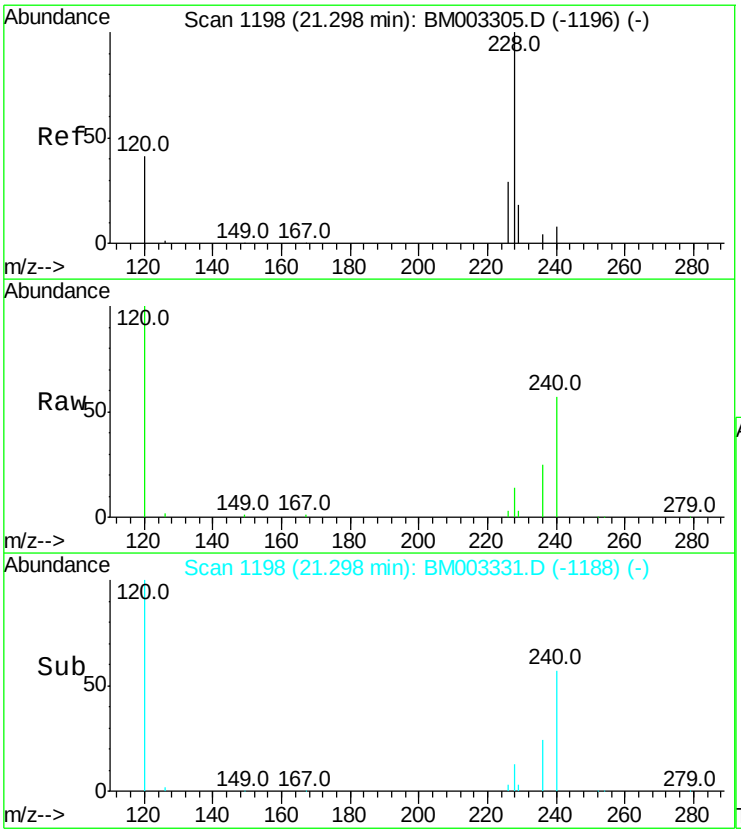
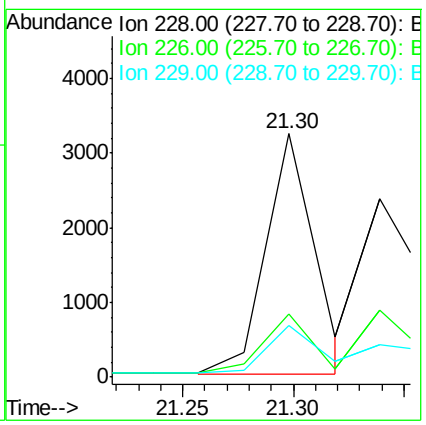
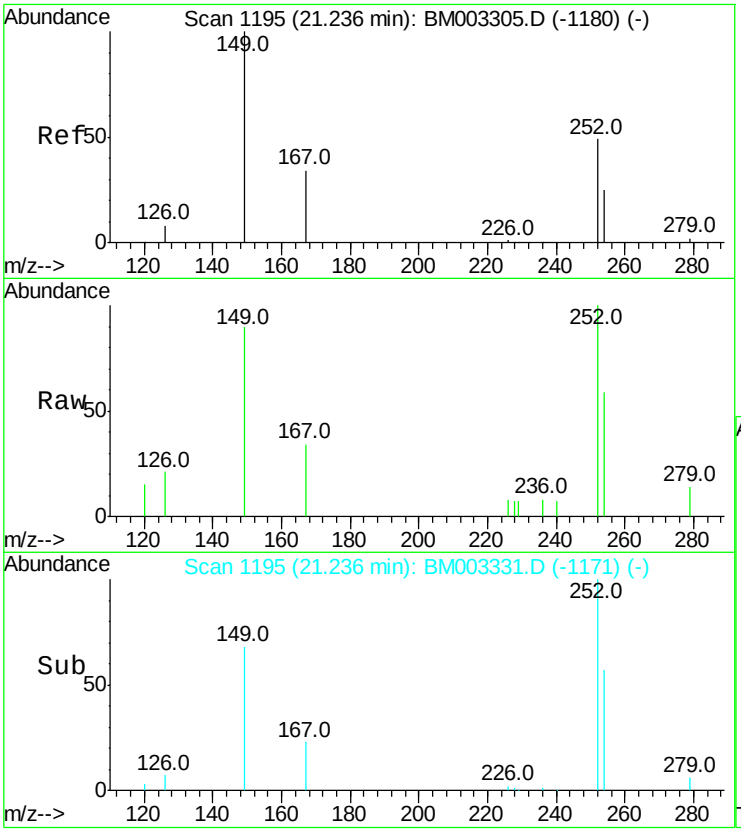


#30
Benzo(a)anthracene
Concen: 0.10 ng m
RT: 21.30 min Scan# 1198
Delta R.T. 0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:228 Resp: 4889

Ion	Ratio	Lower	Upper
228	100		
226	25.7	17.8	26.6
229	21.4	18.0	27.0

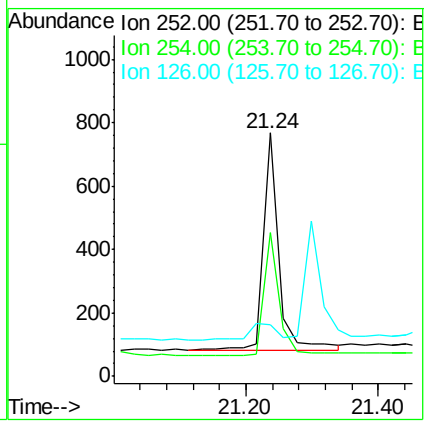




#31
3,3'-Dichlorobenzidine
Concen: 0.27 ng
RT: 21.24 min Scan# 1195
Delta R.T. 0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:252 Resp: 1094

Ion	Ratio	Lower	Upper
252	100		
254	59.1	53.7	80.5
126	21.1	2.8	4.2#



Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

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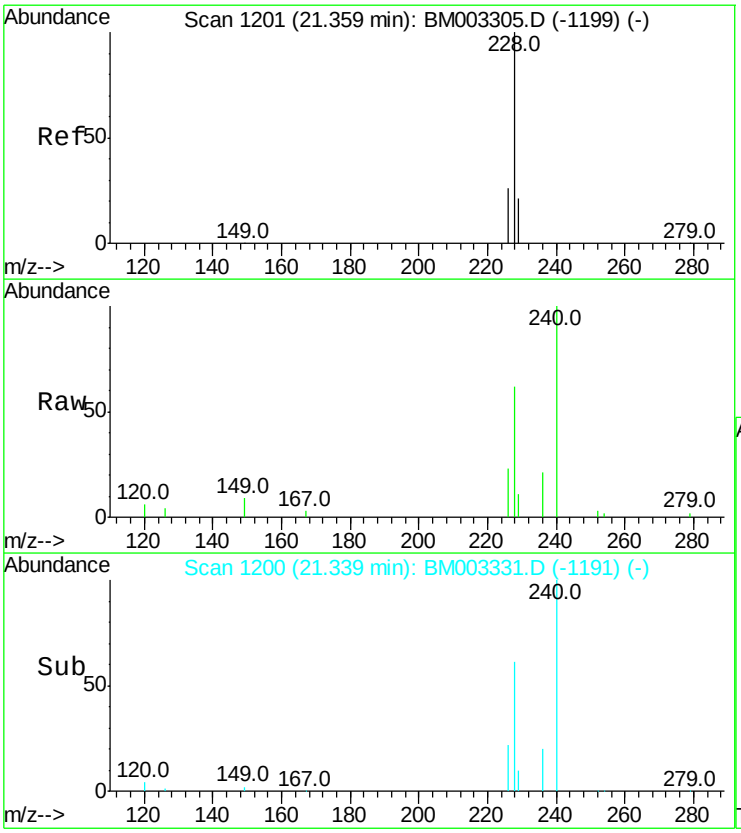
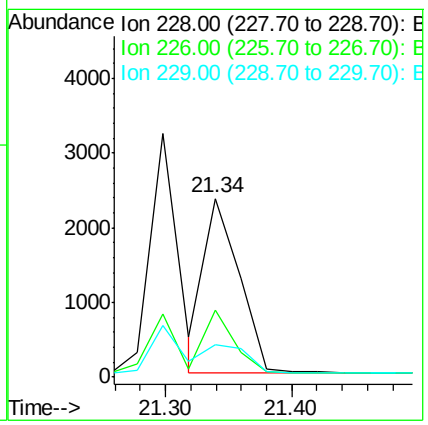
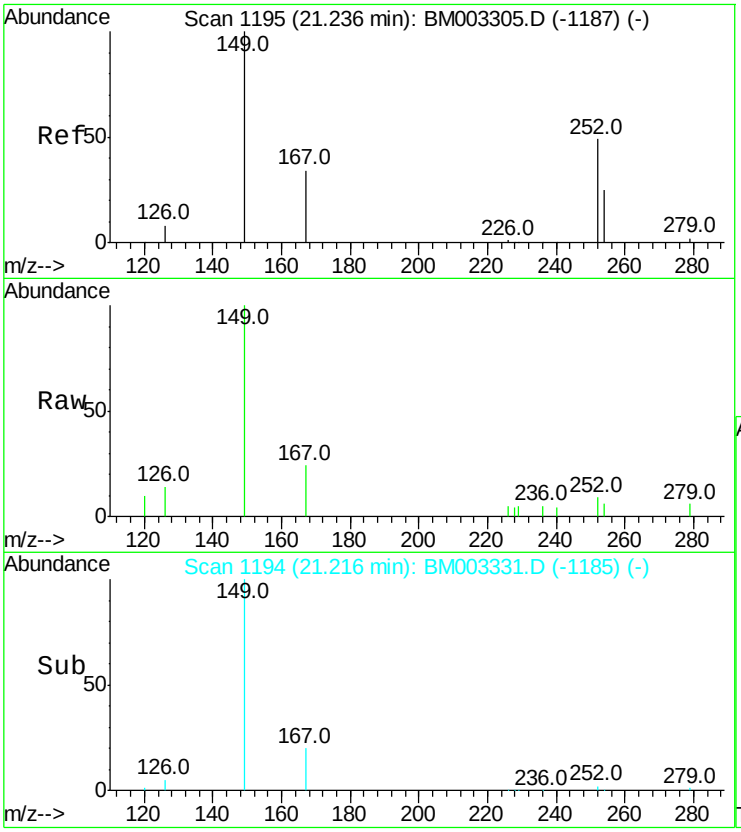


#32
Chrysene
Concen: 0.09 ng m
RT: 21.34 min Scan# 1200
Delta R.T. -0.02 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:228 Resp: 4597

Ion	Ratio	Lower	Upper
228	100		
226	37.5	25.5	38.3
229	17.9	14.3	21.5





#33
Bis(2-ethylhexyl)phthalate
Concen: 0.10 ng
RT: 21.22 min Scan# 1194
Delta R.T. -0.02 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:149 Resp: 1733

Ion	Ratio	Lower	Upper
149	100		
167	25.0	19.6	29.4
279	0.0	0.0	0.0

Instrument :
BNA_M
ClientSampleId :
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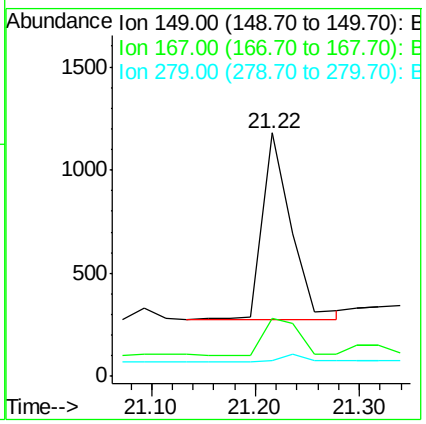
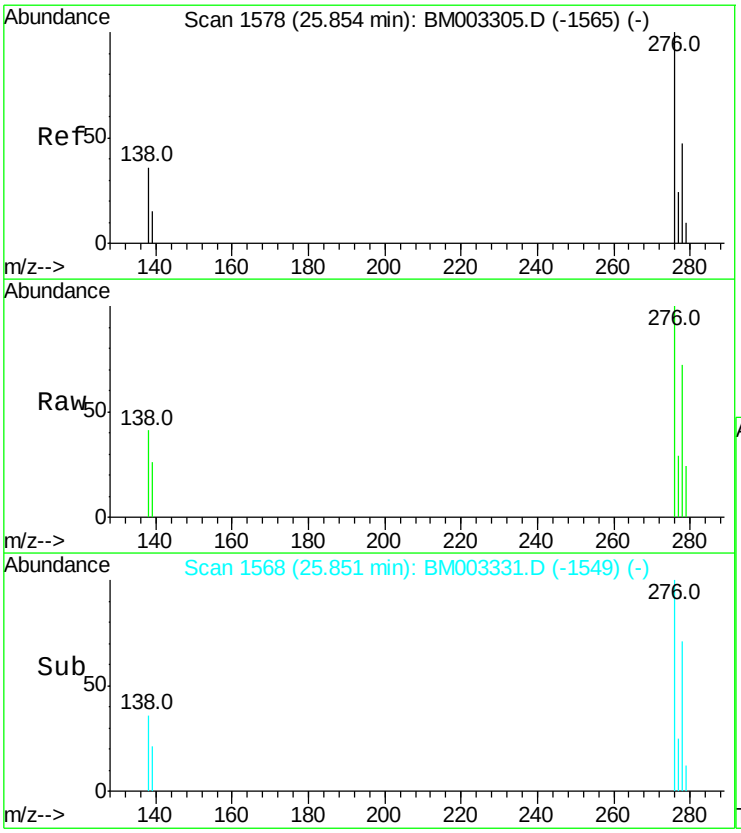
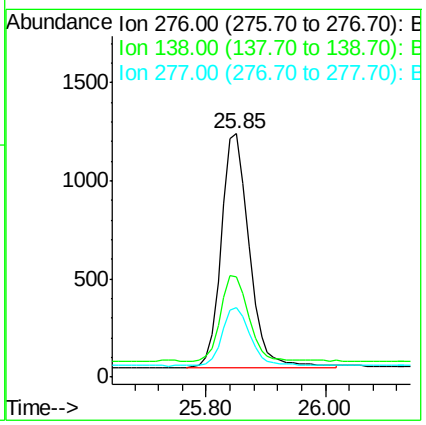


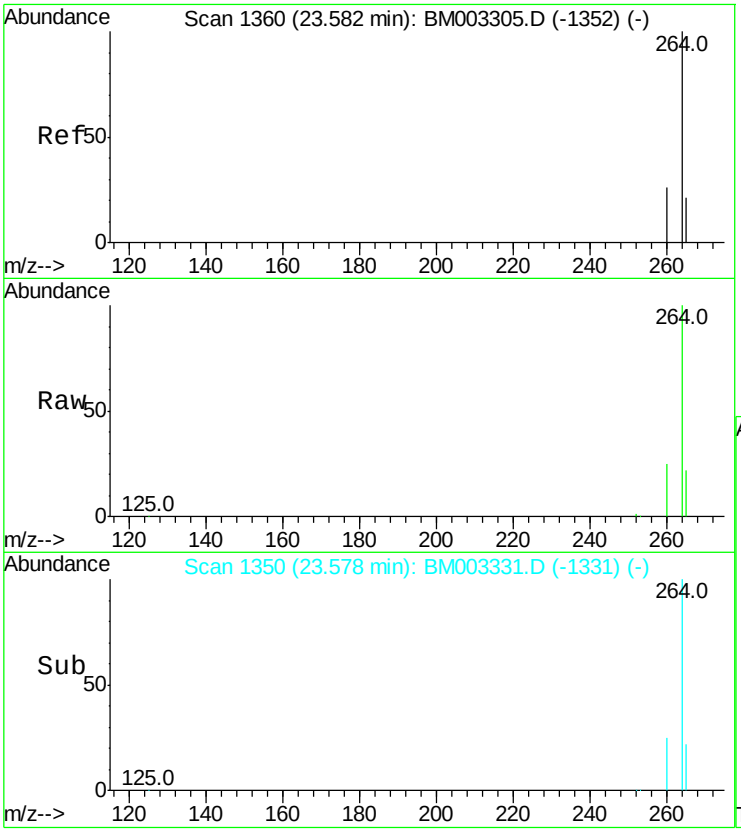


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.08 ng
RT: 25.85 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:276 Resp: 3878

Ion	Ratio	Lower	Upper
276	100		
138	36.7	19.1	28.7#
277	25.7	15.9	23.9#





#35
Perylene-d12
Concen: 5.00 ng
RT: 23.58 min Scan# 1350
Delta R.T. -0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:264 Resp: 156881

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.6	29.4
265	22.4	18.4	27.6

Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

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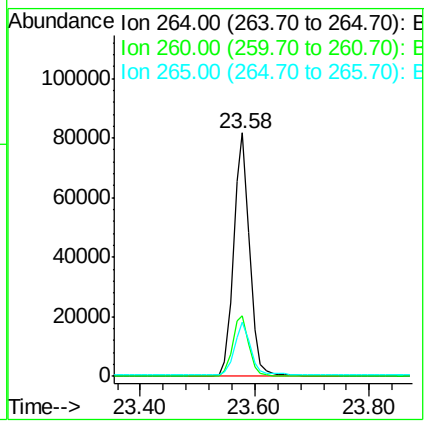
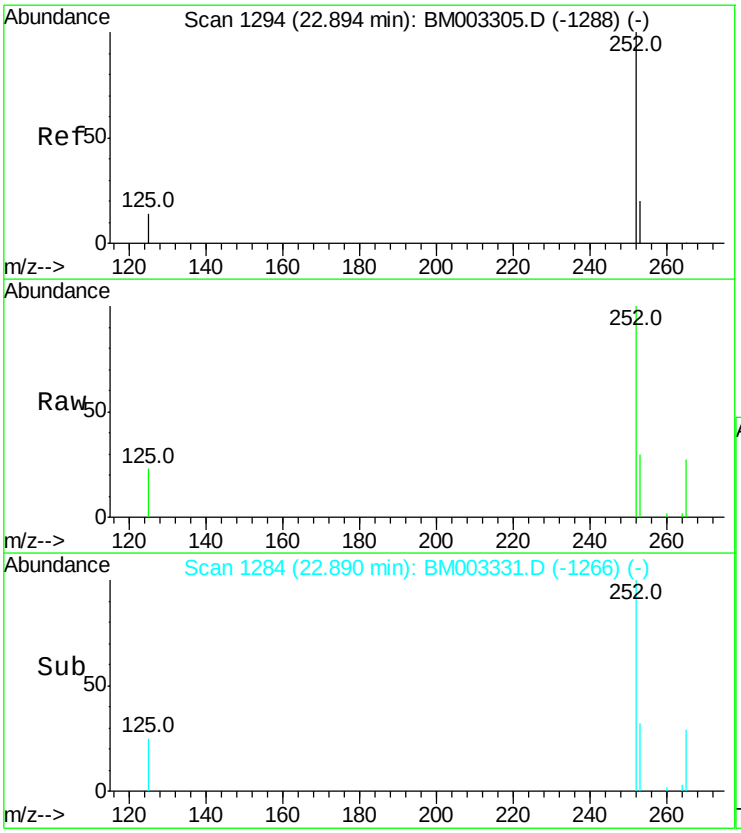
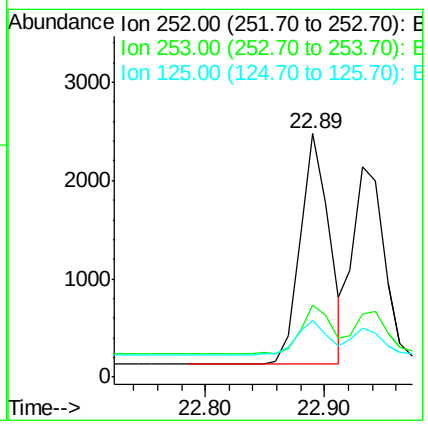


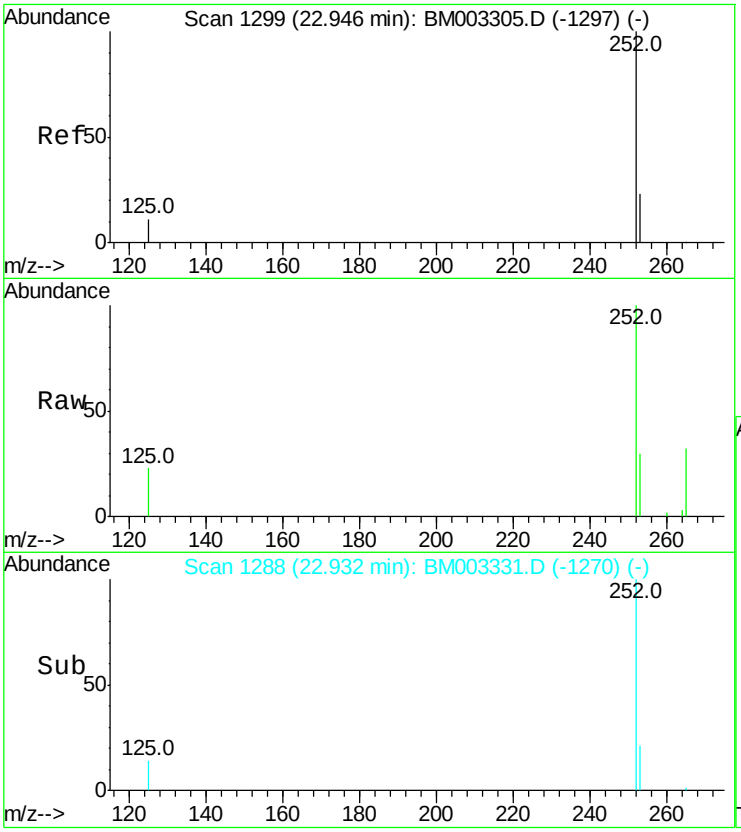


#36
Benzo(b)fluoranthene
Concen: 0.09 ng
RT: 22.89 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:252 Resp: 3969

Ion	Ratio	Lower	Upper
252	100		
253	29.8	18.2	27.4#
125	23.1	10.3	15.5#





#37
Benzo(k)fluoranthene
Concen: 0.09 ng
RT: 22.93 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:252 Resp: 3781

Ion	Ratio	Lower	Upper
252	100		
253	30.2	17.5	26.3#
125	23.5	10.7	16.1#

Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

Manual Integrations APPROVED
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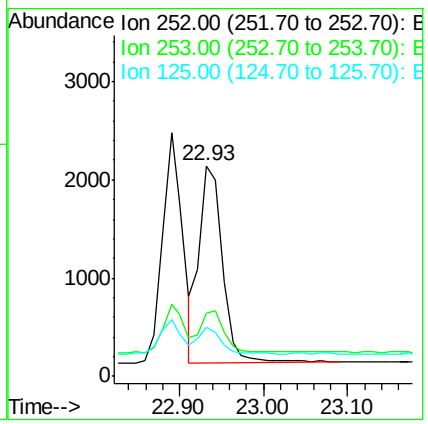
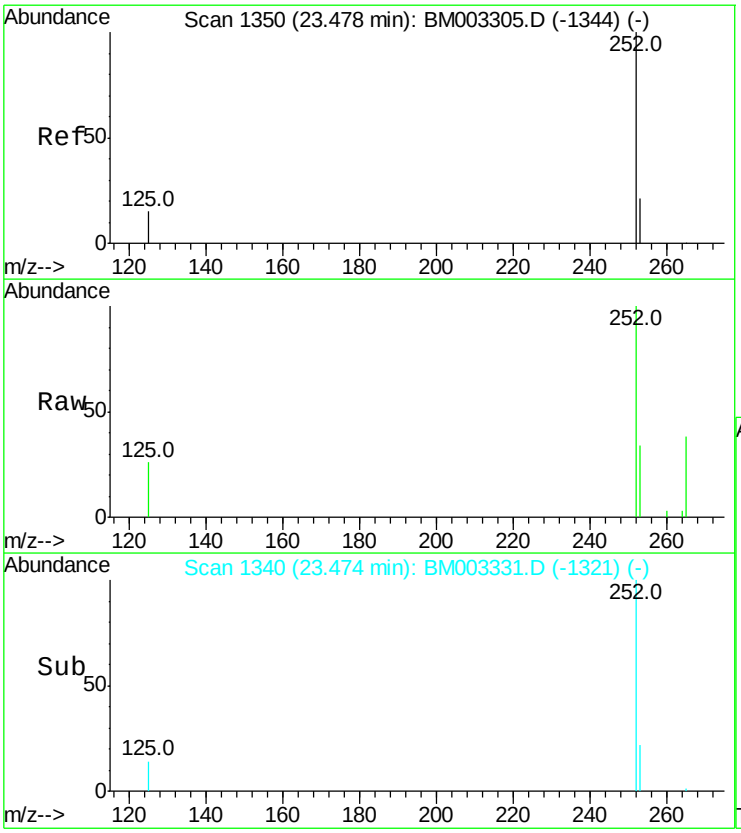
12/1/2015 6:33:59 PM

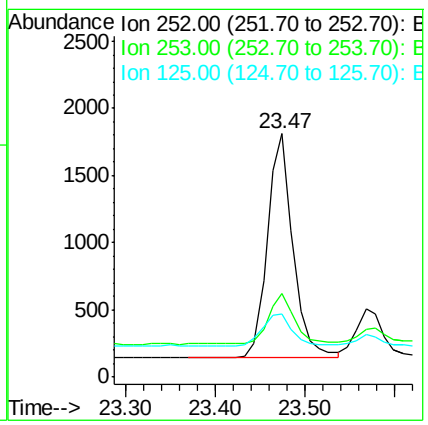


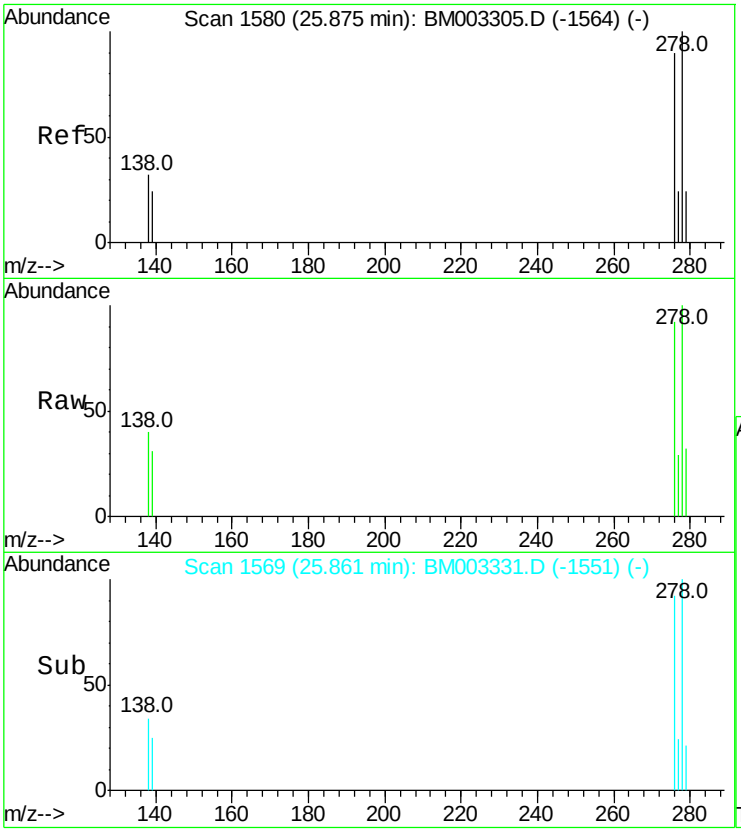


#38
Benzo(a)pyrene
Concen: 0.09 ng
RT: 23.47 min Scan# 1340
Delta R.T. -0.00 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:252 Resp: 3360

Ion	Ratio	Lower	Upper
252	100		
253	34.4	18.7	28.1#
125	25.9	11.6	17.4#

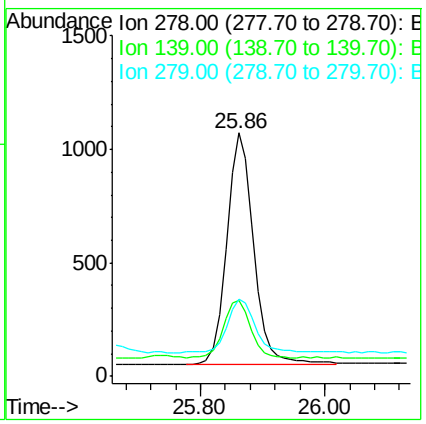




#39
Dibenzo(a,h)anthracene
Concen: 0.10 ng
RT: 25.86 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:278 Resp: 3075

Ion	Ratio	Lower	Upper
278	100		
139	31.1	18.2	27.4#
279	31.7	18.8	28.2#



Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

Manual Integrations APPROVED
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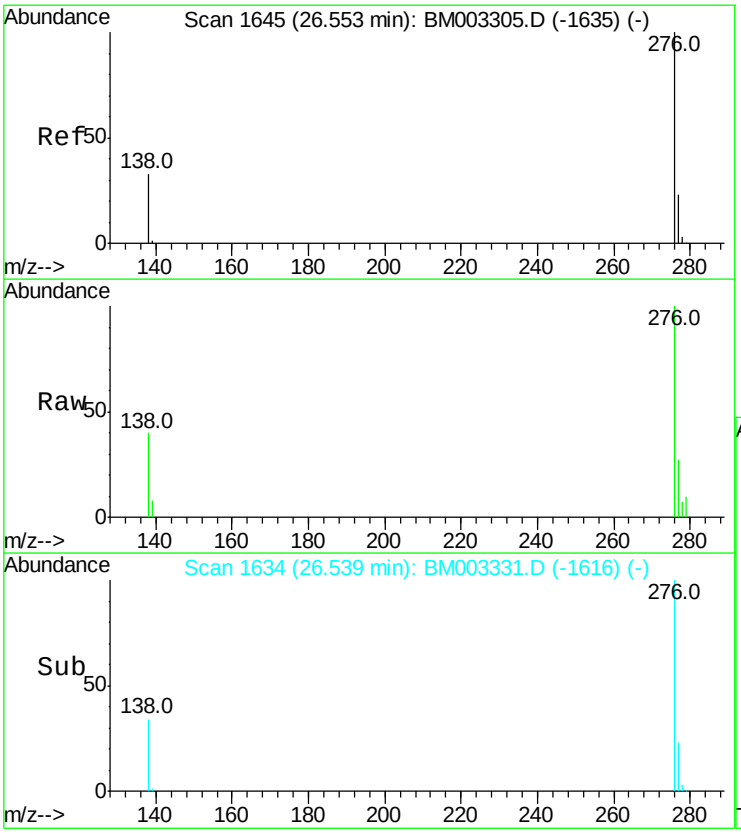
12/1/2015 6:33:59 PM



#40
Benzo(g,h,i)perylene
Concen: 0.09 ng
RT: 26.54 min Scan# 1634
Delta R.T. -0.01 min
Lab File: BM003331.D
Acq: 30 Nov 2015 22:34

Tgt Ion:276 Resp: 3476

Ion	Ratio	Lower	Upper
276	100		
277	27.5	19.0	28.6
138	39.8	22.3	33.5#