Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112715\
Data File : BM003309.D
Acq On : 27 Nov 2015 17:21
Operator : UM/IZ
Sample : SSTDICV001
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ICVBM112715

Manual Integrations APPROVED
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11/30/2015 5:45:47 PM

Quant Time: Nov 27 18:23:20 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	7.74	152	72292	5.00	ng		0.00
7) Naphthalene-d8	10.52	136	294888	5.00	ng		0.00
13) Acenaphthene-d10	14.38	164	155930	5.00	ng		0.00
19) Phenanthrene-d10	17.12	188	325260	5.00	ng		0.00
26) Chrysene-d12	21.32	240	188600	5.00	ng		0.00
35) Perylene-d12	23.59	264	163351	5.00	ng		0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.31	112	13940	0.98	ng		0.00
5) Phenol-d6	6.90	99	16501	1.01	ng		0.00
8) Nitrobenzene-d5	8.90	82	12895	0.98	ng		0.00
14) 2,4,6-Tribromophenol	15.87	330	2514	0.90	ng		0.00
15) 2-Fluorobiphenyl	13.00	172	46594	0.93	ng		0.00
29) Terphenyl-d14	19.76	244	29290	1.11	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.23	88	6289	0.95	ng		99
3) n-Nitrosodimethylamine	3.54	42	6575	0.98	ng		97
6) bis(2-Chloroethyl)ether	7.16	93	16552	0.99	ng		99
9) Nitrobenzene	8.93	77	14126	0.98	ng		100
10) Naphthalene	10.58	128	63441	1.00	ng		96
11) Hexachlorobutadiene	10.87	225	9799	1.01	ng		100
12) 2-Methylnaphthalene	12.19	142	41462	1.04	ng		96
16) Acenaphthylene	14.09	152	56031	0.98	ng		100
17) Acenaphthene	14.45	154	37435	0.85	ng	#	100
18) Fluorene	15.42	166	42058	0.95	ng		100
20) 4-Bromophenyl-phenylether	16.30	248	8704	0.89	ng	#	34
21) Hexachlorobenzene	16.43	284	11401	1.00	ng	#	63
22) Pentachlorophenol	16.79	266	2699	0.81	ng	#	81
23) Phenanthrene	17.15	178	59396	0.88	ng	#	84
24) Anthracene	17.25	178	60812	1.00	ng		97
25) Fluoranthene	19.20	202	56680	0.80	ng		100
27) Benzidine	19.37	184	9057	1.20	ng	#	96
28) Pyrene	19.56	202	61940	1.07	ng		100
30) Benzo(a)anthracene	21.30	228	49447m	1.04	ng		
31) 3,3'-Dichlorobenzidine	21.26	252	8268	0.95	ng		87
32) Chrysene	21.36	228	54108m	1.02	ng		
33) Bis(2-ethylhexyl)phthalate	21.24	149	16960	1.15	ng	#	93
34) Indeno(1,2,3-cd)pyrene	25.86	276	45762	1.05	ng	#	80
36) Benzo(b)fluoranthene	22.90	252	45700	0.97	ng		98
37) Benzo(k)fluoranthene	22.95	252	44151	1.04	ng		99
38) Benzo(a)pyrene	23.49	252	37274	1.00	ng		99
39) Dibenzo(a,h)anthracene	25.89	278	36490	1.13	ng		98
40) Benzo(g,h,i)perylene	26.56	276	39683	1.02	ng		96

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

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Data Path : Z:\HPCHEM1\BNA M\DATA\BM112715\
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Misc :
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Instrument :
BNA_M
ClientSampleId :
ICVBM112715

Manual Integrations APPROVED
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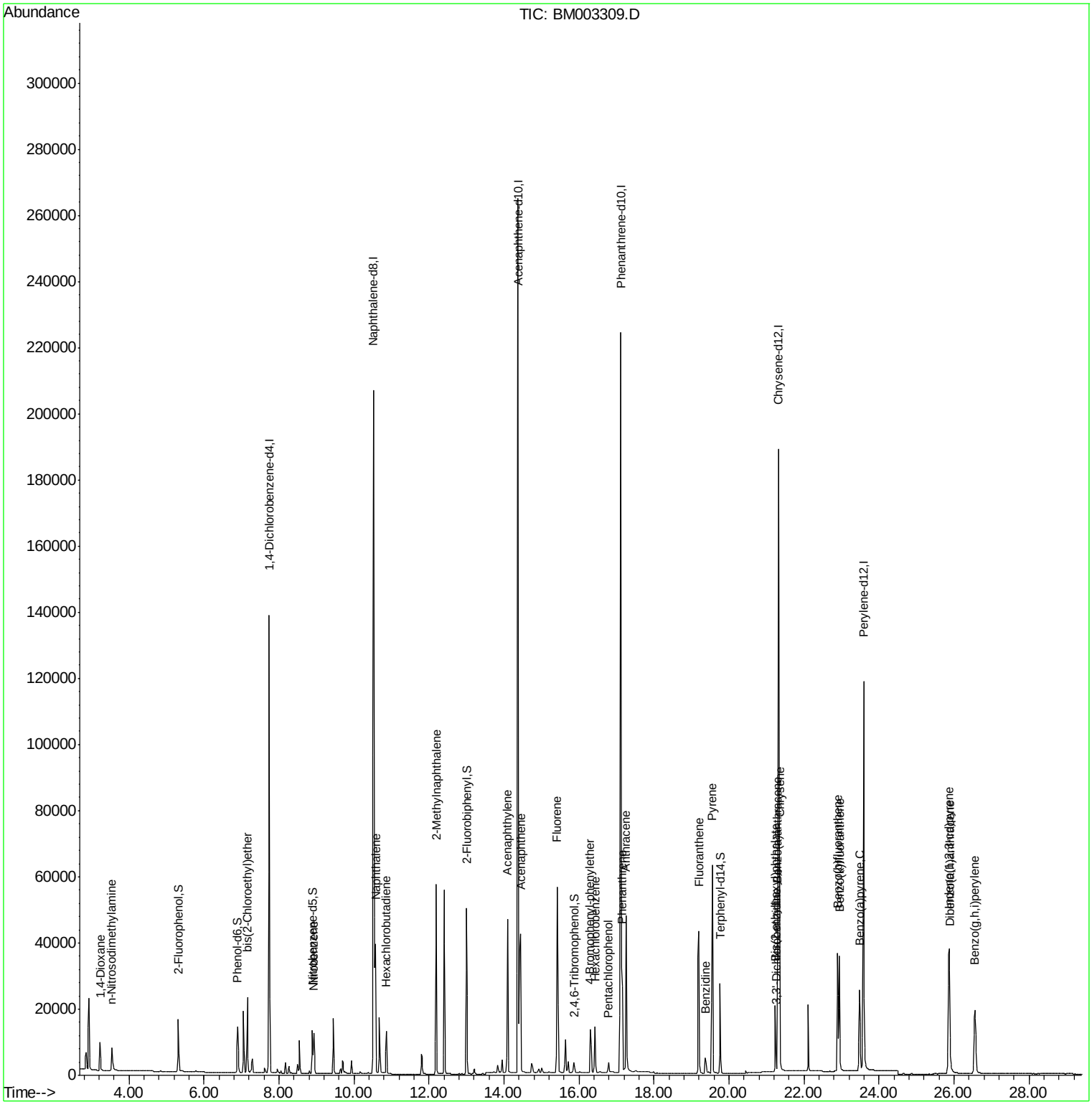

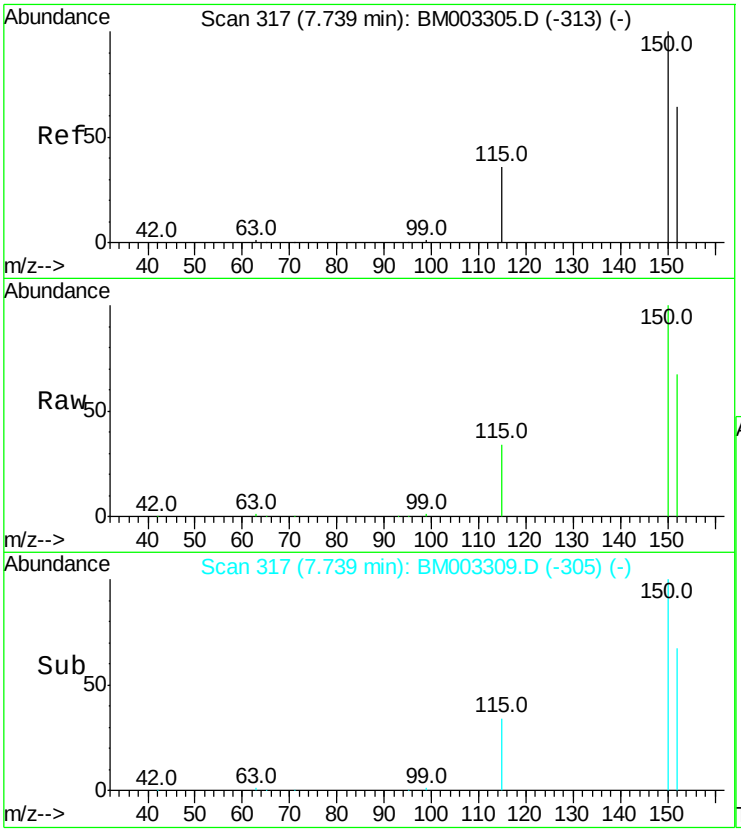

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.74 min Scan# 317
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:152 Resp: 72292

Ion	Ratio	Lower	Upper
152	100		
150	148.6	143.6	215.4
115	51.2	58.5	87.7#

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations APPROVED
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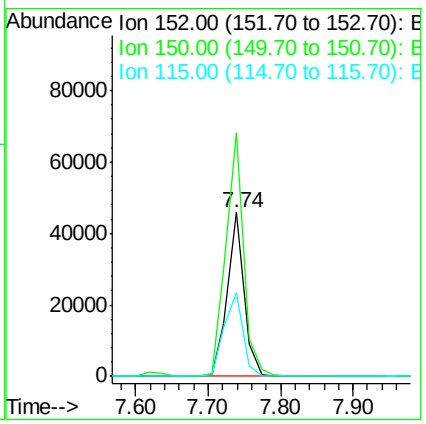
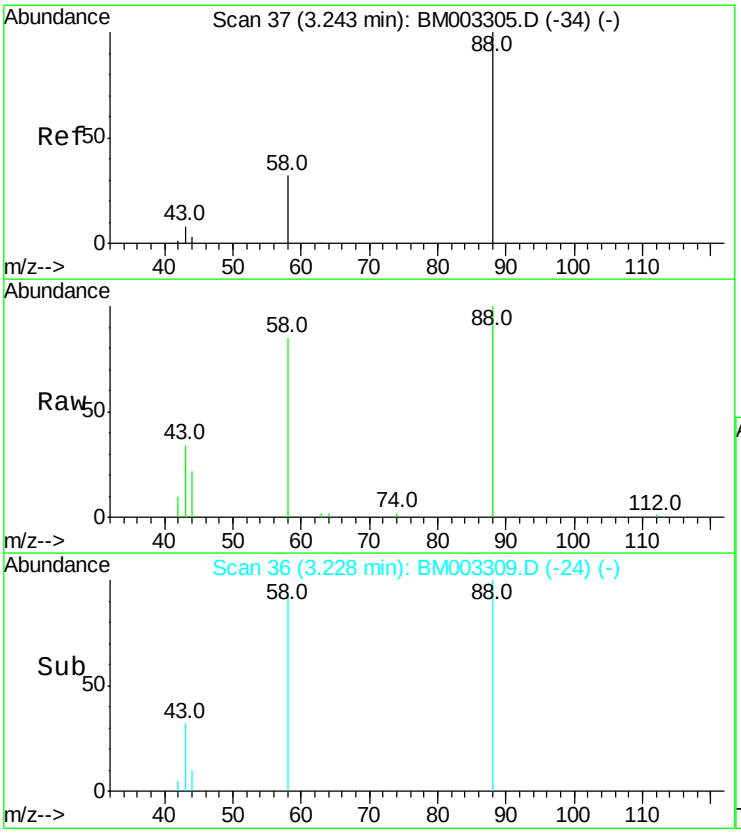
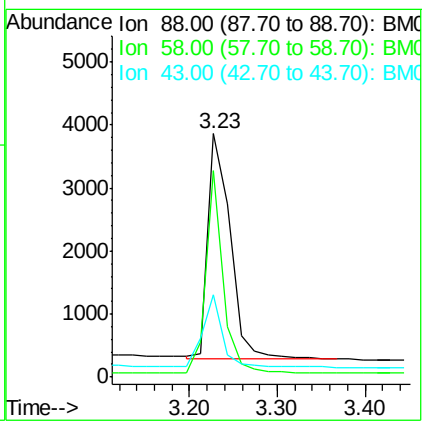


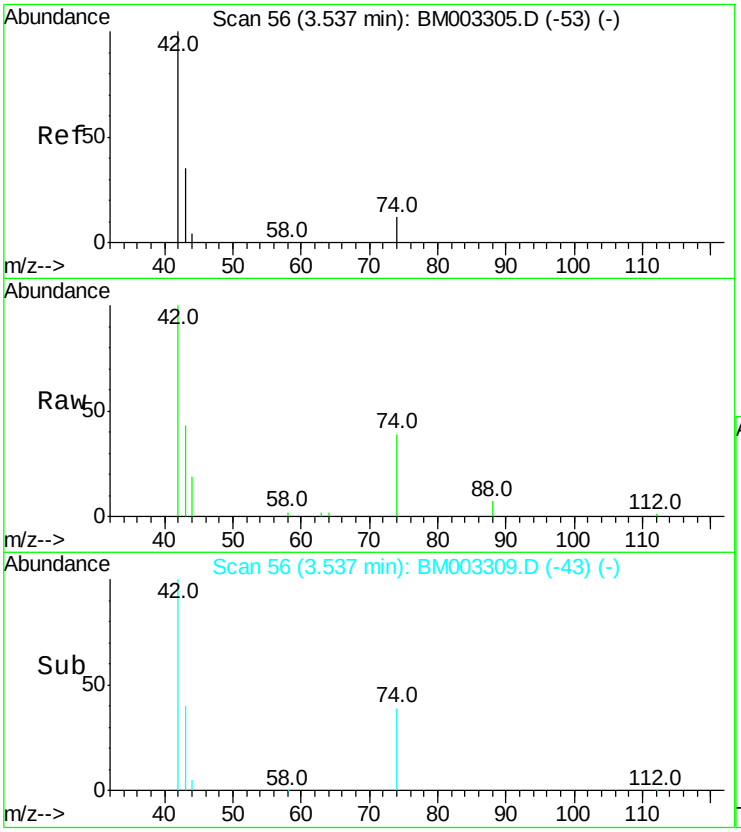


#2
1,4-Dioxane
Concen: 0.95 ng
RT: 3.23 min Scan# 36
Delta R.T. -0.02 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion: 88 Resp: 6289

Ion	Ratio	Lower	Upper
88	100		
58	69.2	55.2	82.8
43	28.4	21.8	32.6

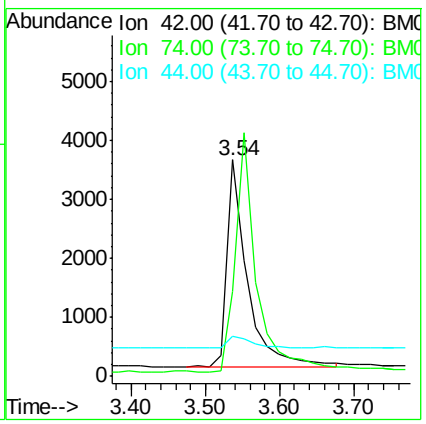




#3
n-Nitrosodimethylamine
Concen: 0.98 ng
RT: 3.54 min Scan# 56
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion: 42 Resp: 6575

Ion	Ratio	Lower	Upper
42	100		
74	122.4	101.0	151.4
44	7.2	6.3	9.5



Instrument :
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ClientSampleId :
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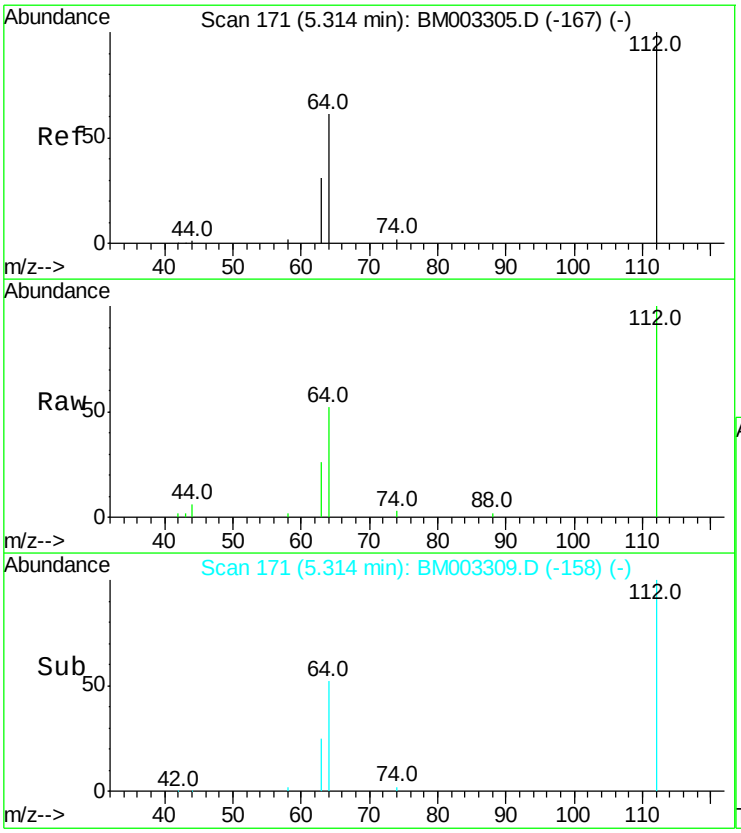
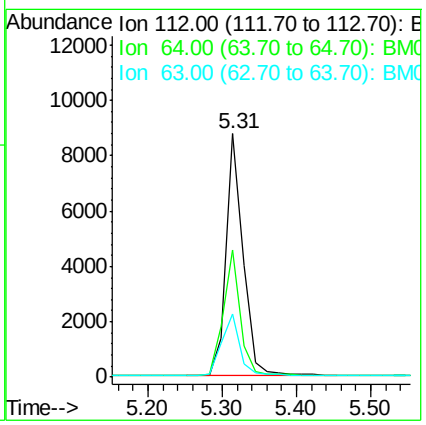
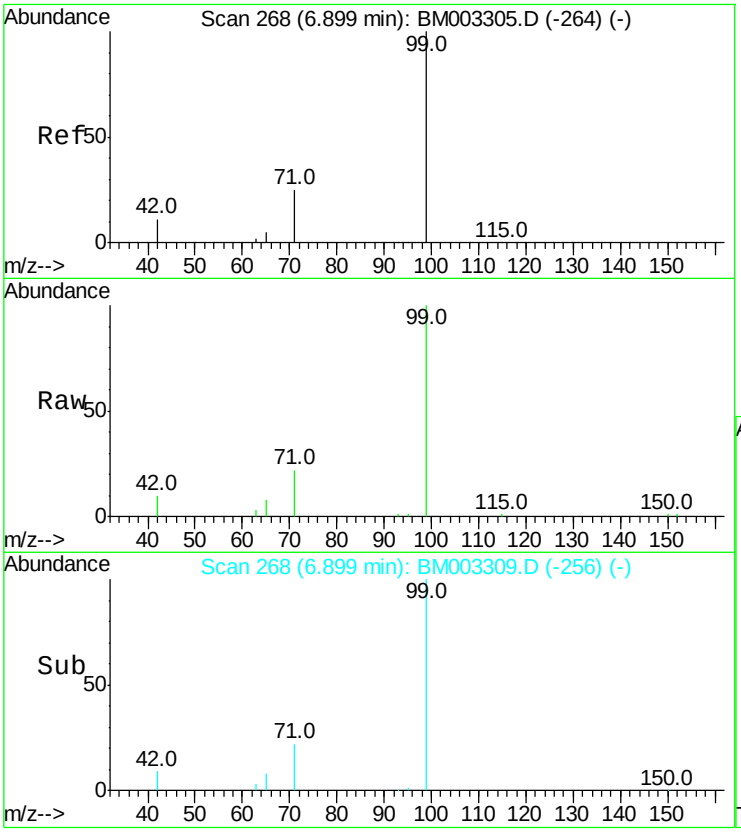


#4
2-Fluorophenol
Concen: 0.98 ng
RT: 5.31 min Scan# 171
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:112 Resp: 13940

Ion	Ratio	Lower	Upper
112	100		
64	51.4	41.2	61.8
63	26.6	21.2	31.8

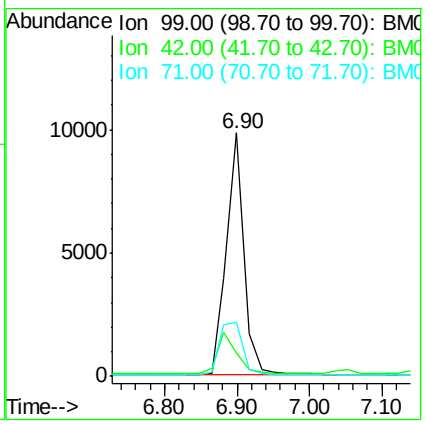




#5
Phenol-d6
Concen: 1.01 ng
RT: 6.90 min Scan# 268
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion: 99 Resp: 16501

Ion	Ratio	Lower	Upper
99	100		
42	18.5	14.6	22.0
71	29.1	23.3	34.9



Instrument :
BNA_M
ClientSampleId :
ICVBM112715

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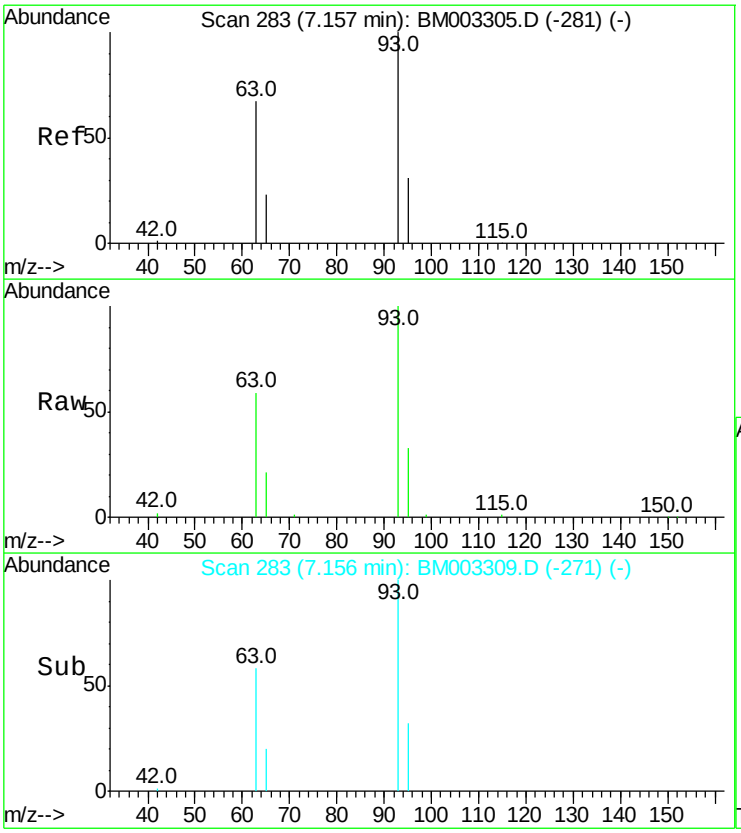
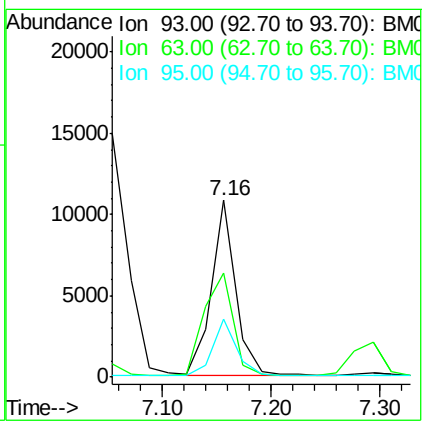
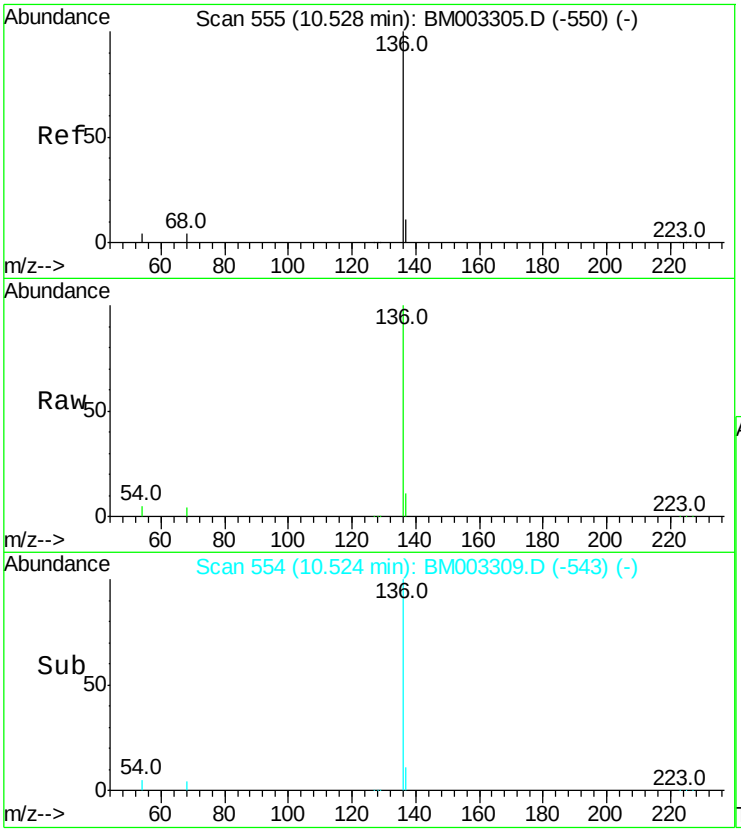


#6
bis(2-Chloroethyl)ether
Concen: 0.99 ng
RT: 7.16 min Scan# 283
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion: 93 Resp: 16552

Ion	Ratio	Lower	Upper
93	100		
63	71.8	58.2	87.4
95	32.8	26.2	39.4

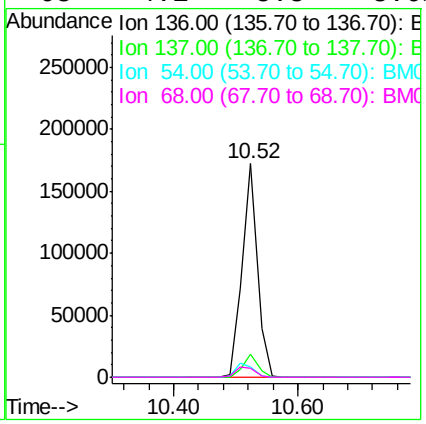




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.52 min Scan# 554
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:136 Resp: 294888

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.0	12.0
54	4.8	7.4	11.0#
68	4.1	5.8	8.6#



Instrument :
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ClientSampleId :
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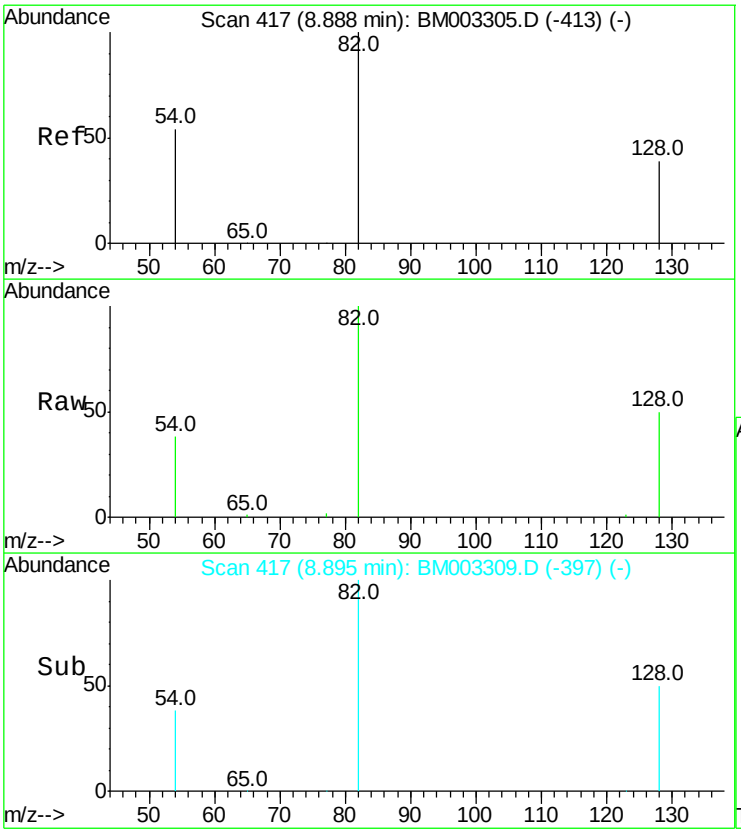
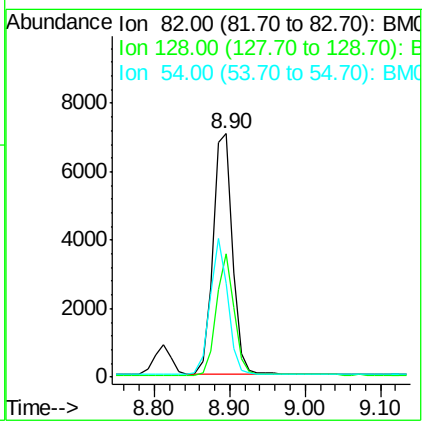
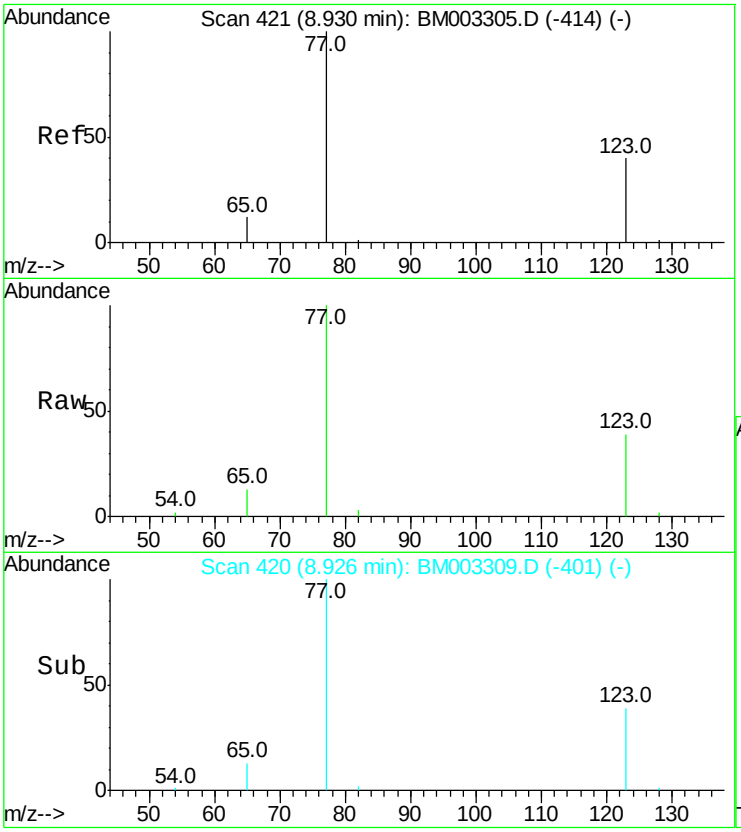


#8
Nitrobenzene-d5
Concen: 0.98 ng
RT: 8.90 min Scan# 417
Delta R.T. 0.01 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion: 82 Resp: 12895

Ion	Ratio	Lower	Upper
82	100		
128	50.4	35.2	52.8
54	38.3	36.4	54.6

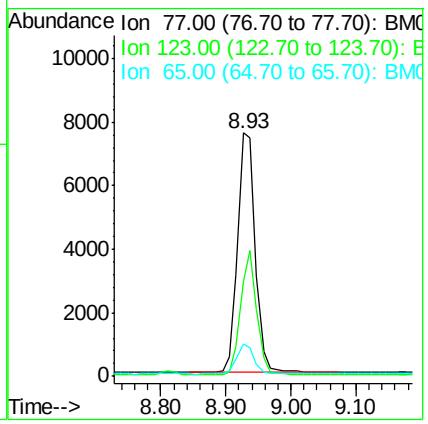




#9
Nitrobenzene
Concen: 0.98 ng
RT: 8.93 min Scan# 420
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion: 77 Resp: 14126

Ion	Ratio	Lower	Upper
77	100		
123	47.1	37.7	56.5
65	12.3	9.8	14.6



Instrument :
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ClientSampleId :
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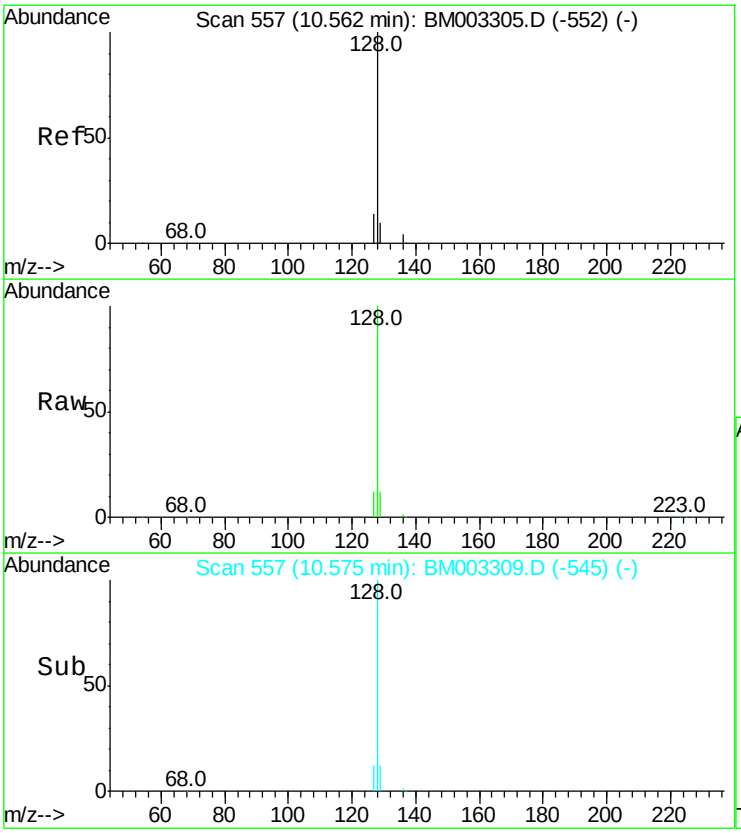
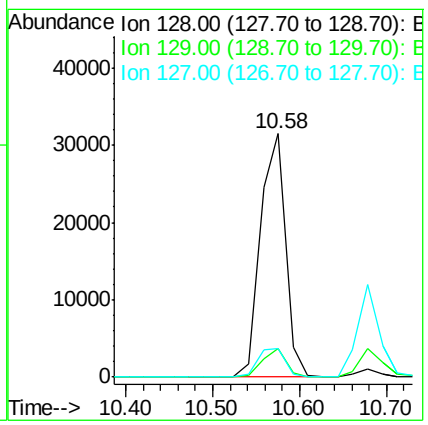
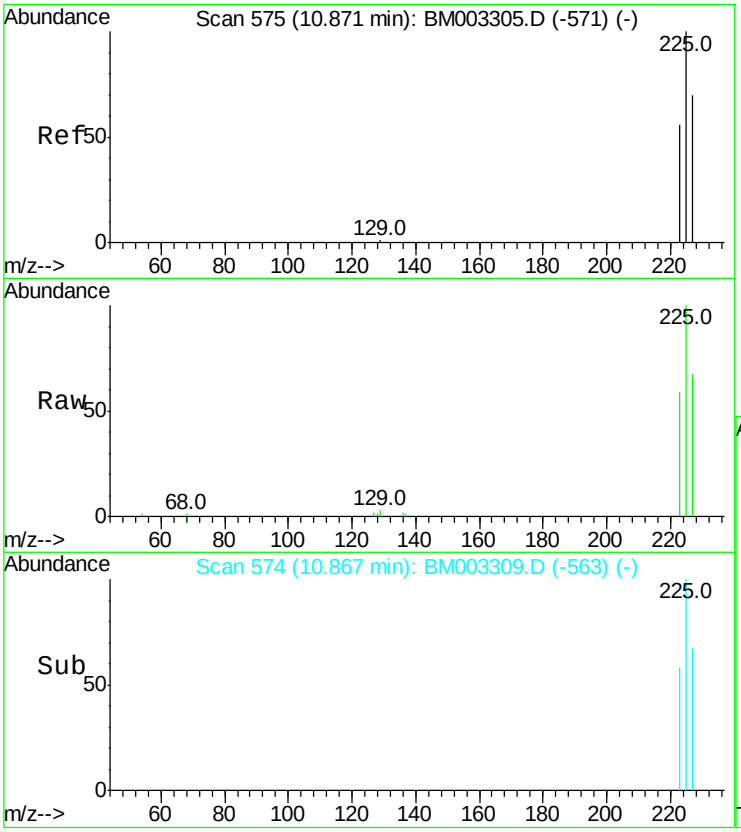


#10
Naphthalene
Concen: 1.00 ng
RT: 10.58 min Scan# 557
Delta R.T. 0.01 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:128 Resp: 63441

Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.5	12.7
127	11.6	10.6	16.0

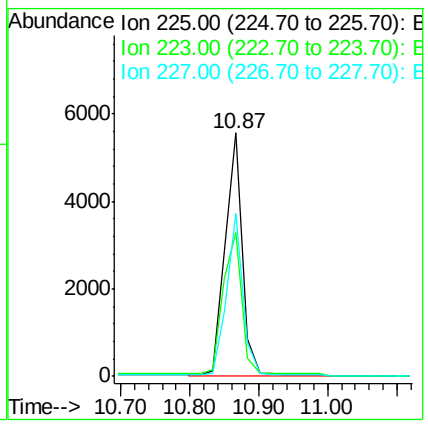




#11
Hexachlorobutadiene
Concen: 1.01 ng
RT: 10.87 min Scan# 574
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:225 Resp: 9799

Ion	Ratio	Lower	Upper
225	100		
223	66.8	53.0	79.4
227	65.3	52.2	78.4



Instrument :
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ClientSampleId :
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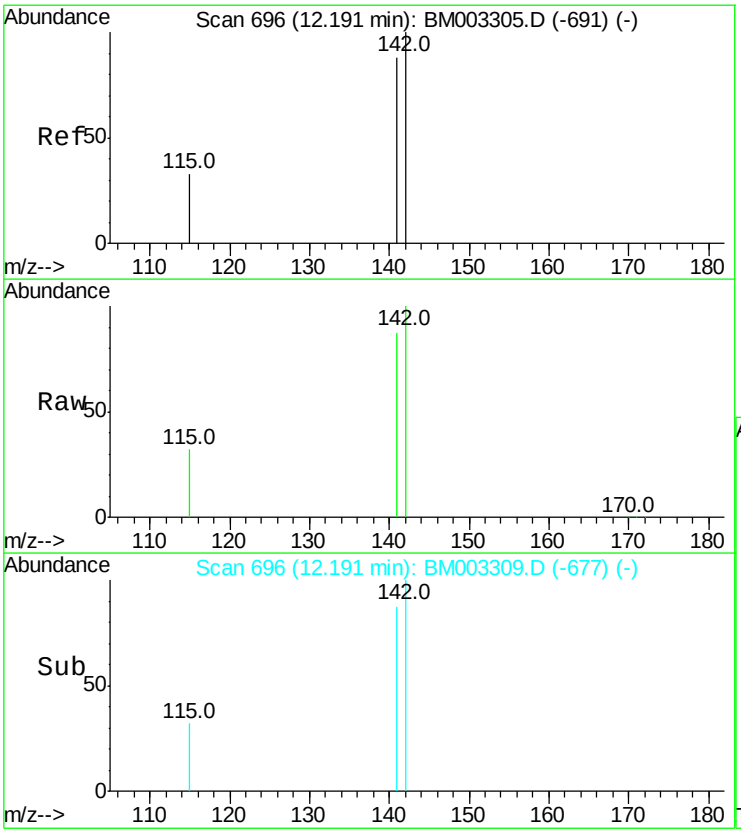
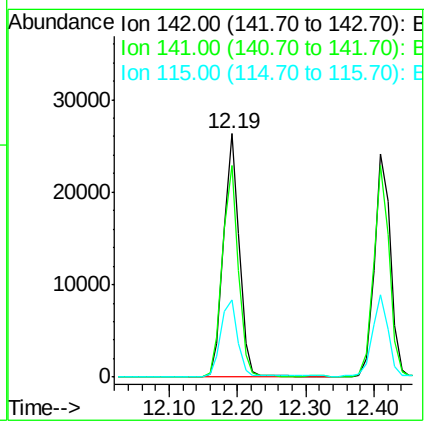
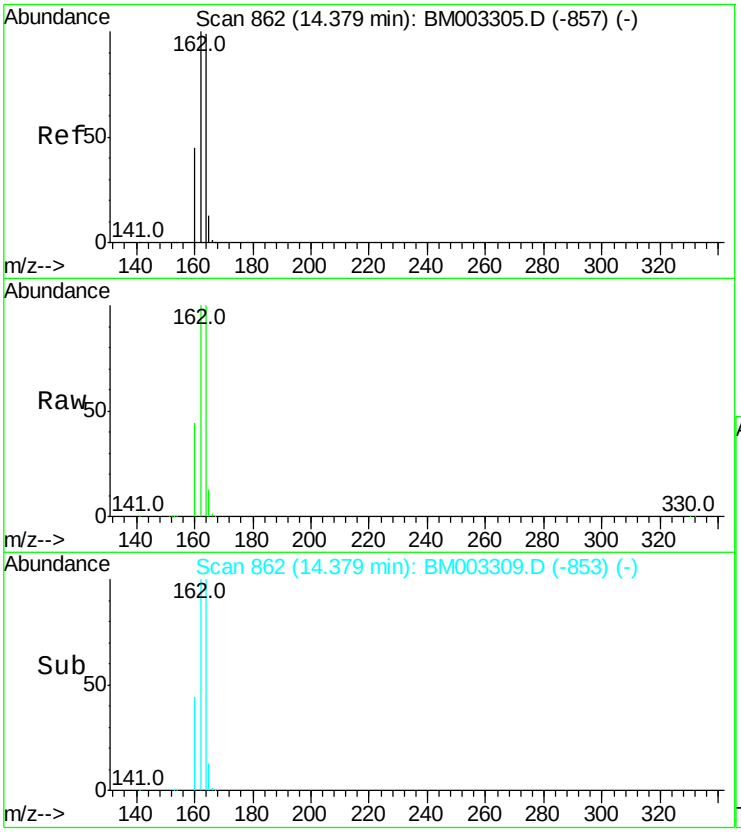


#12
2-Methylnaphthalene
Concen: 1.04 ng
RT: 12.19 min Scan# 696
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:142 Resp: 41462

Ion	Ratio	Lower	Upper
142	100		
141	86.9	72.2	108.2
115	31.9	28.0	42.0

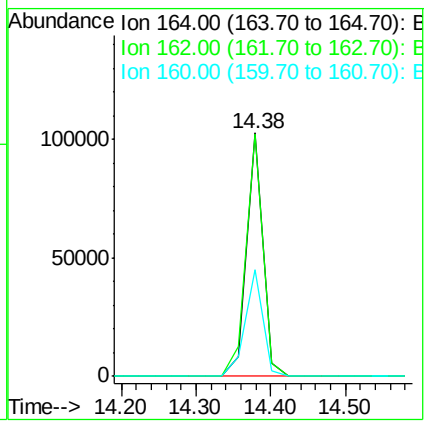




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.38 min Scan# 862
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:164 Resp: 155930

Ion	Ratio	Lower	Upper
164	100		
162	99.7	78.3	117.5
160	43.7	33.8	50.6



Instrument :
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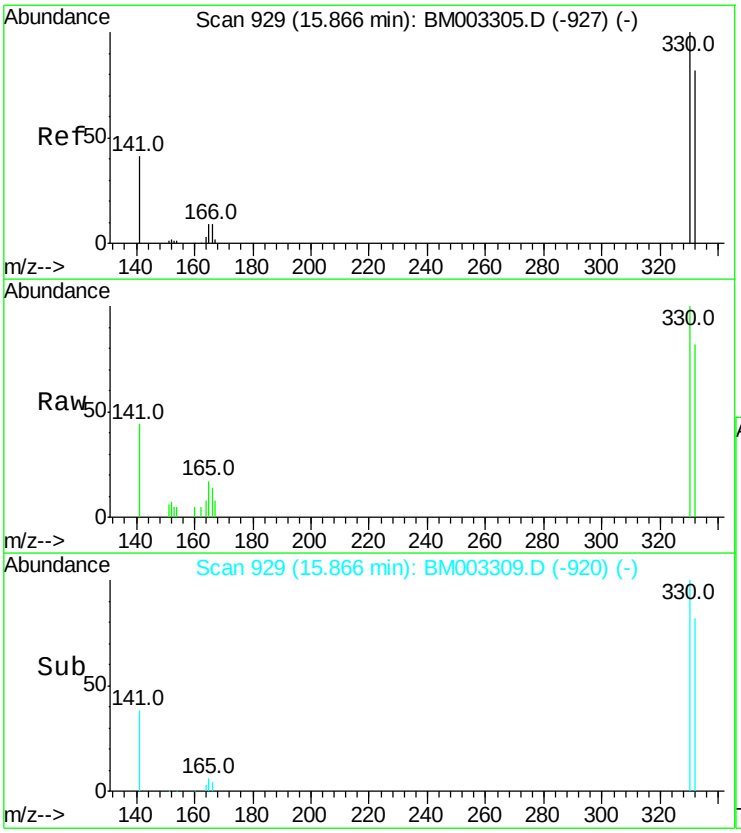
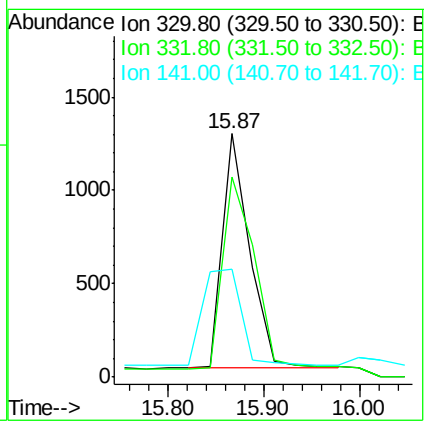
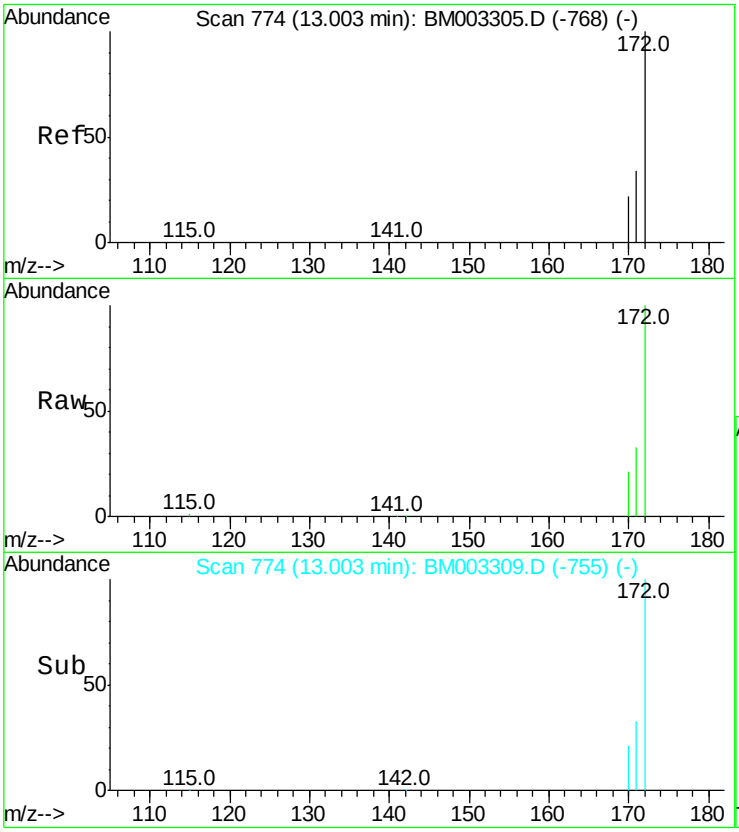


#14
2,4,6-Tribromophenol
Concen: 0.90 ng
RT: 15.87 min Scan# 929
Delta R.T. 0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:330 Resp: 2514

Ion	Ratio	Lower	Upper
330	100		
332	94.3	76.0	114.0
141	56.3	0.0	0.0#

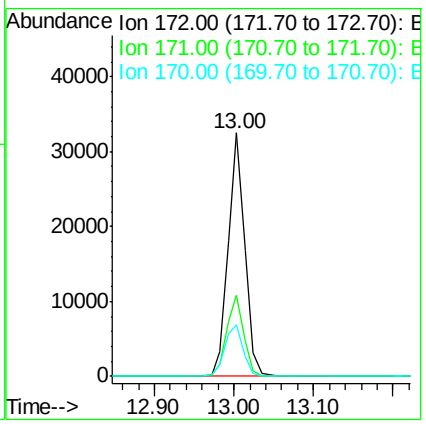




#15
2-Fluorobiphenyl
Concen: 0.93 ng
RT: 13.00 min Scan# 774
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:172 Resp: 46594

Ion	Ratio	Lower	Upper
172	100		
171	33.2	28.0	42.0
170	21.3	18.9	28.3



Instrument :
BNA_M
ClientSampleId :
ICVBM112715

Manual Integrations APPROVED
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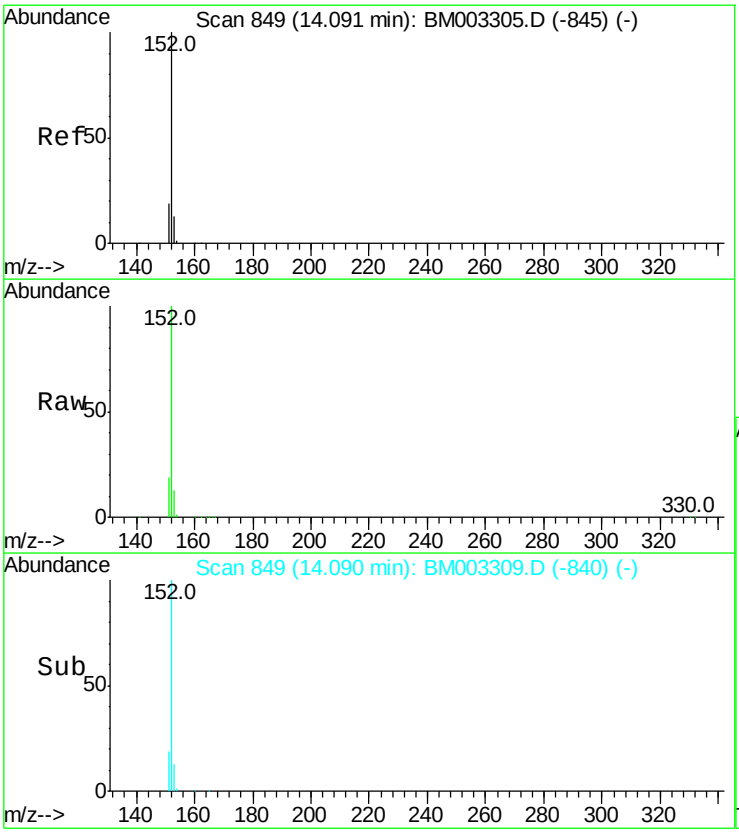
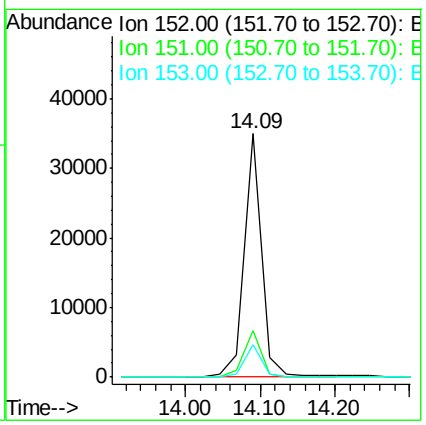
11/30/2015 5:45:47 PM

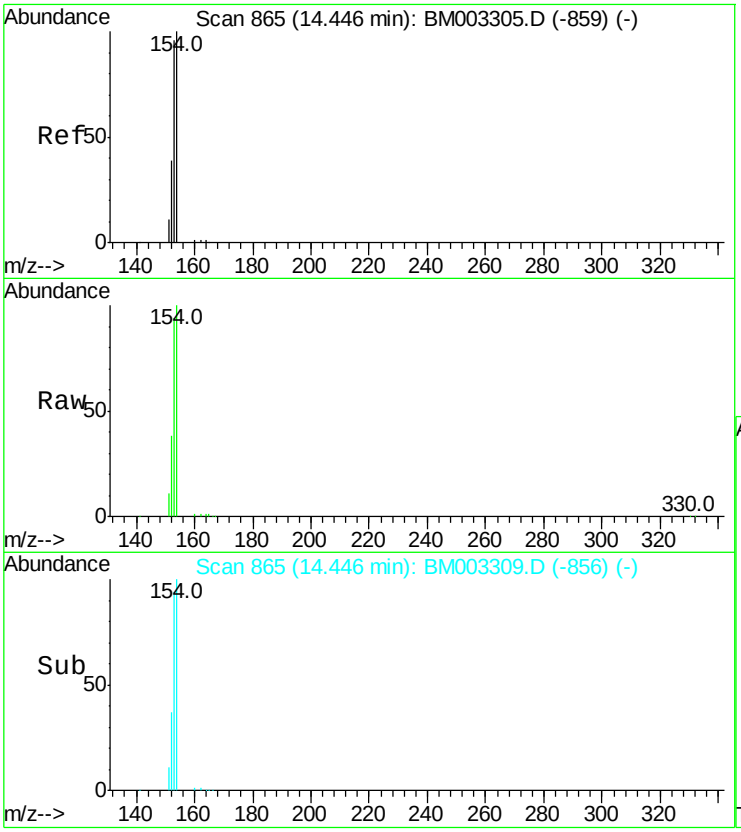


#16
Acenaphthylene
Concen: 0.98 ng
RT: 14.09 min Scan# 849
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:152 Resp: 56031

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.2	22.8
153	13.0	10.4	15.6

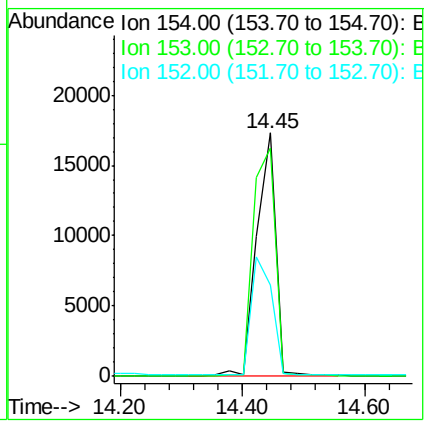




#17
Acenaphthene
Concen: 0.85 ng
RT: 14.45 min Scan# 865
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:154 Resp: 37435

Ion	Ratio	Lower	Upper
154	100		
153	108.9	0.0	0.0#
152	0.0	0.0	0.0



Instrument :
BNA_M
ClientSampleId :
ICVBM112715

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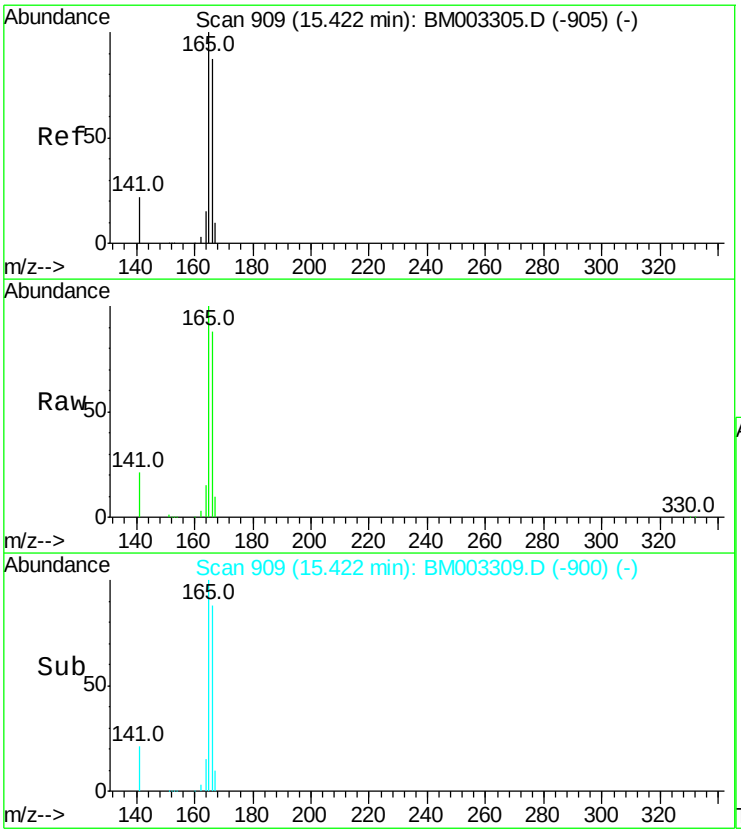
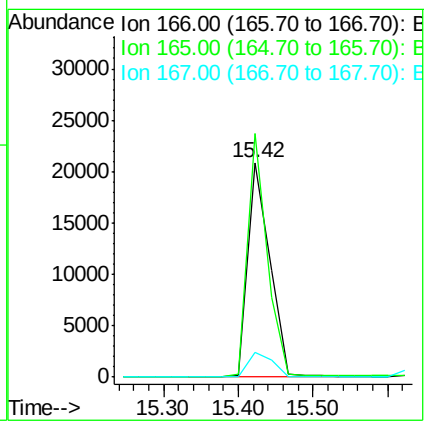
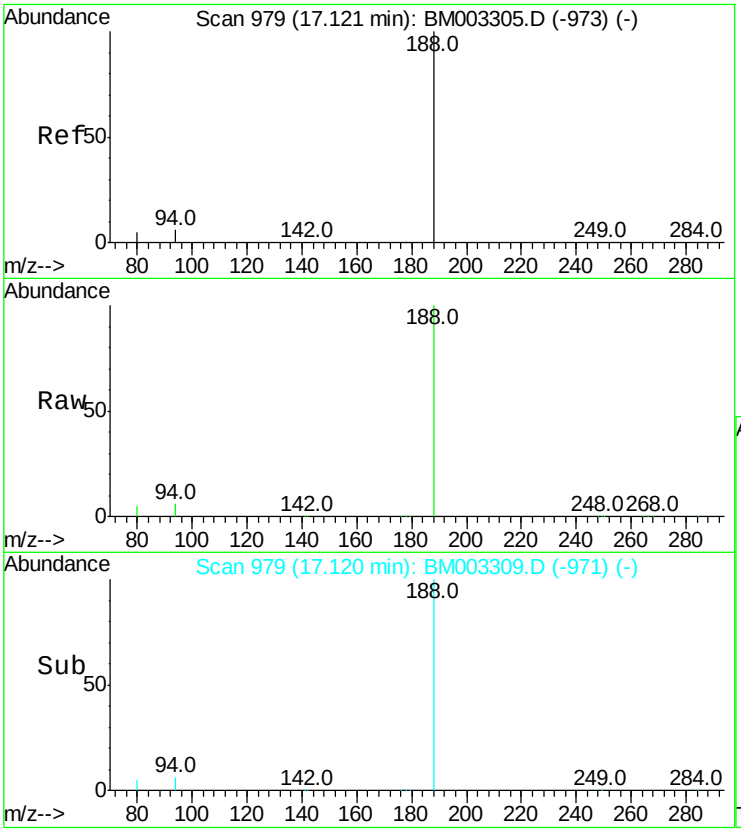


#18
Fluorene
Concen: 0.95 ng
RT: 15.42 min Scan# 909
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:166 Resp: 42058

Ion	Ratio	Lower	Upper
166	100		
165	101.1	80.8	121.2
167	13.1	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: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:188 Resp: 325260

Ion	Ratio	Lower	Upper
188	100		
94	5.6	1.8	2.6#
80	4.8	1.4	2.0#

Instrument :
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ClientSampleId :
ICVBM112715

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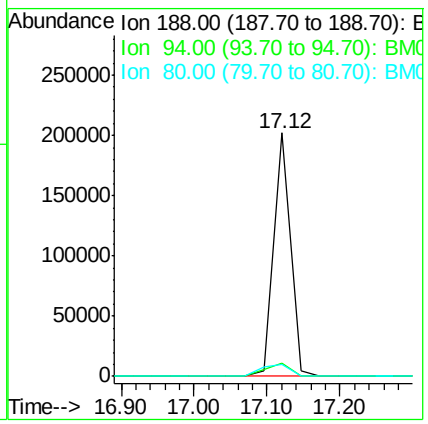
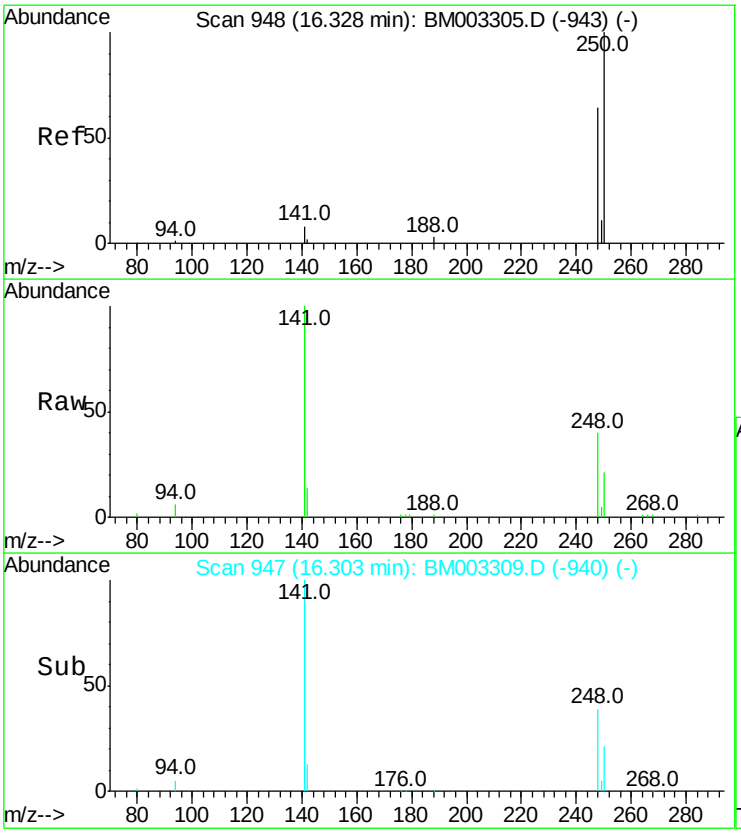
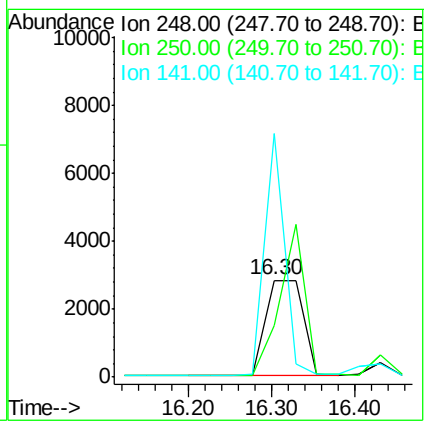


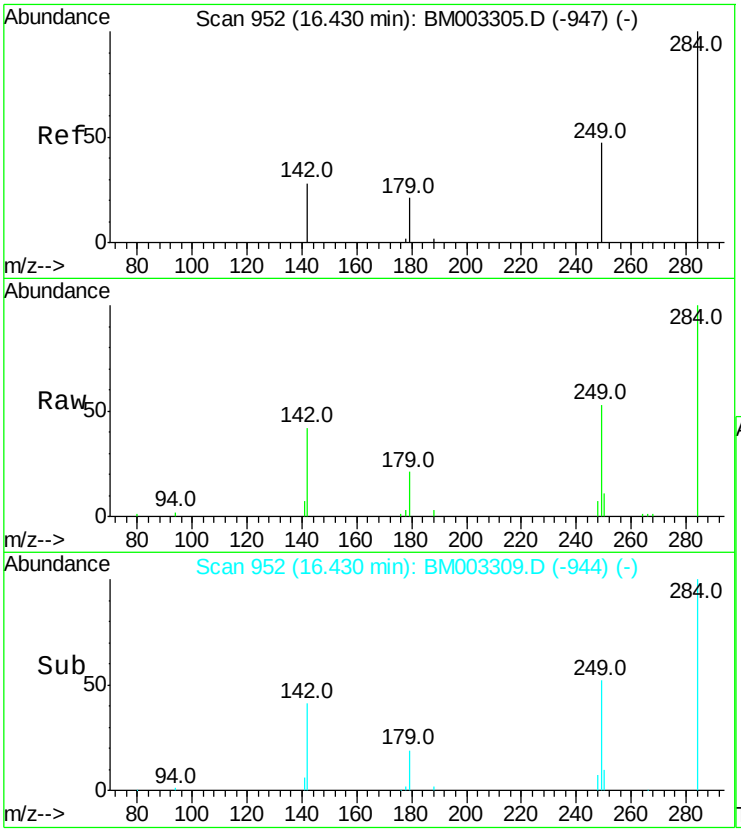


#20
4-Bromophenyl-phenylether
Concen: 0.89 ng
RT: 16.30 min Scan# 947
Delta R.T. -0.03 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:248 Resp: 8704

Ion	Ratio	Lower	Upper
248	100		
250	0.0	65.4	98.0#
141	132.2	72.8	109.2#

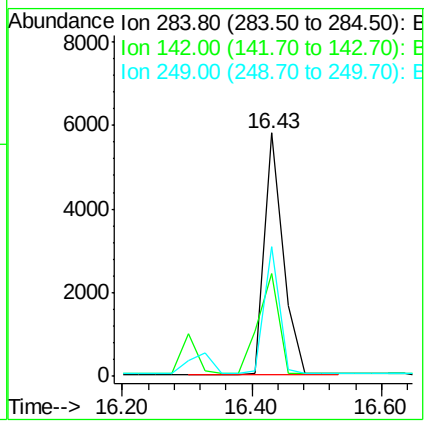




#21
Hexachlorobenzene
Concen: 1.00 ng
RT: 16.43 min Scan# 952
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:284 Resp: 11401

Ion	Ratio	Lower	Upper
284	100		
142	46.2	0.0	0.0#
249	42.5	19.4	29.2#



Instrument :
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ClientSampleId :
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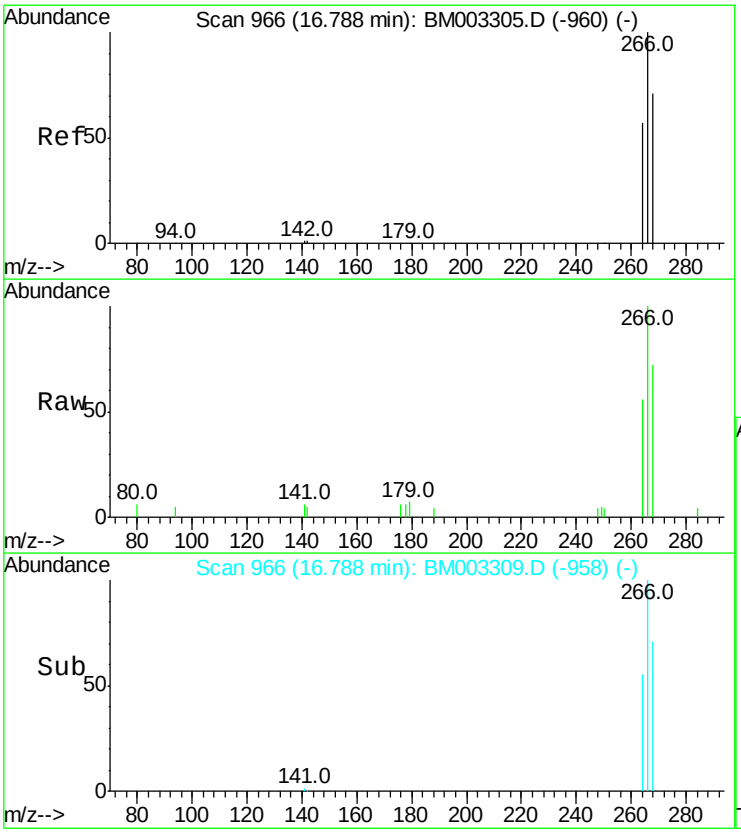
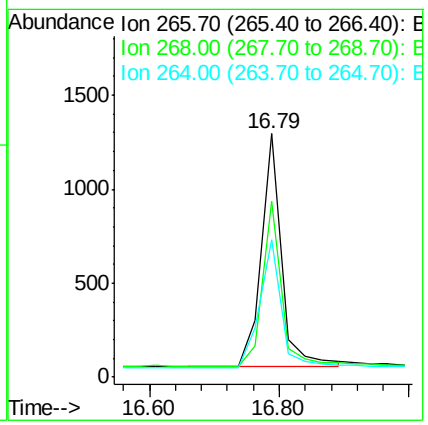
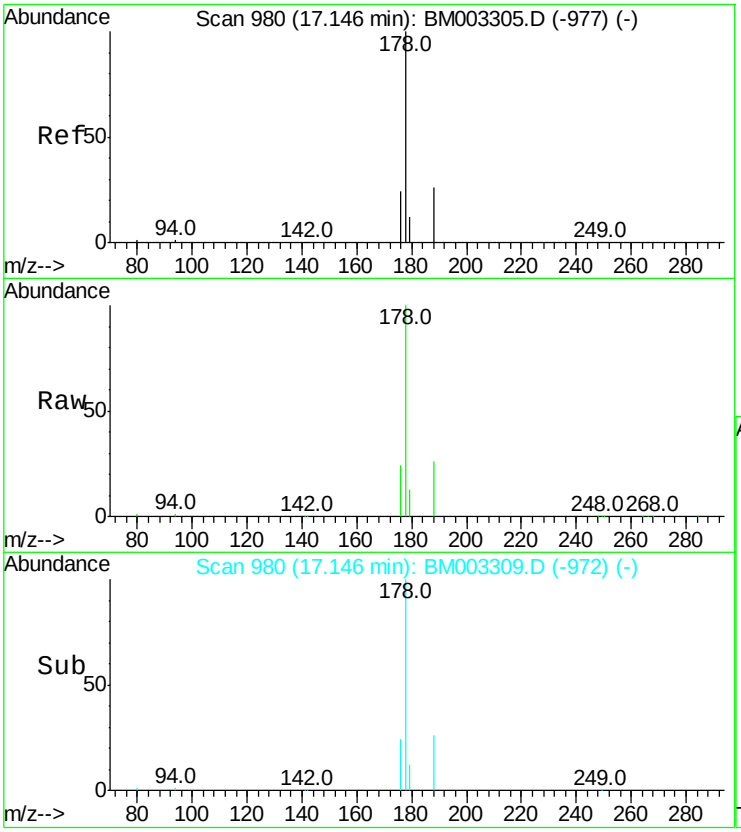


#22
Pentachlorophenol
Concen: 0.81 ng
RT: 16.79 min Scan# 966
Delta R.T. 0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:266 Resp: 2699

Ion	Ratio	Lower	Upper
266	100		
268	71.9	45.8	68.8#
264	56.3	56.7	85.1#

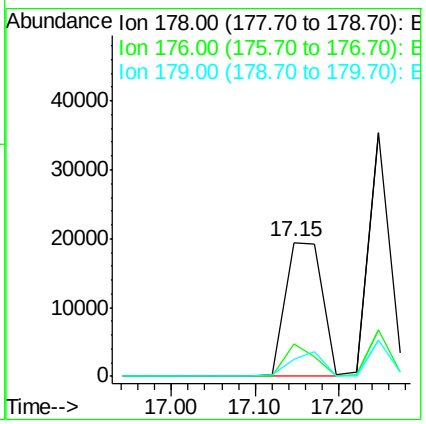




#23
Phenanthrene
Concen: 0.88 ng
RT: 17.15 min Scan# 980
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:178 Resp: 59396

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.9	23.9
179	0.0	11.7	17.5#



Instrument :
BNA_M
ClientSampleId :
ICVBM112715

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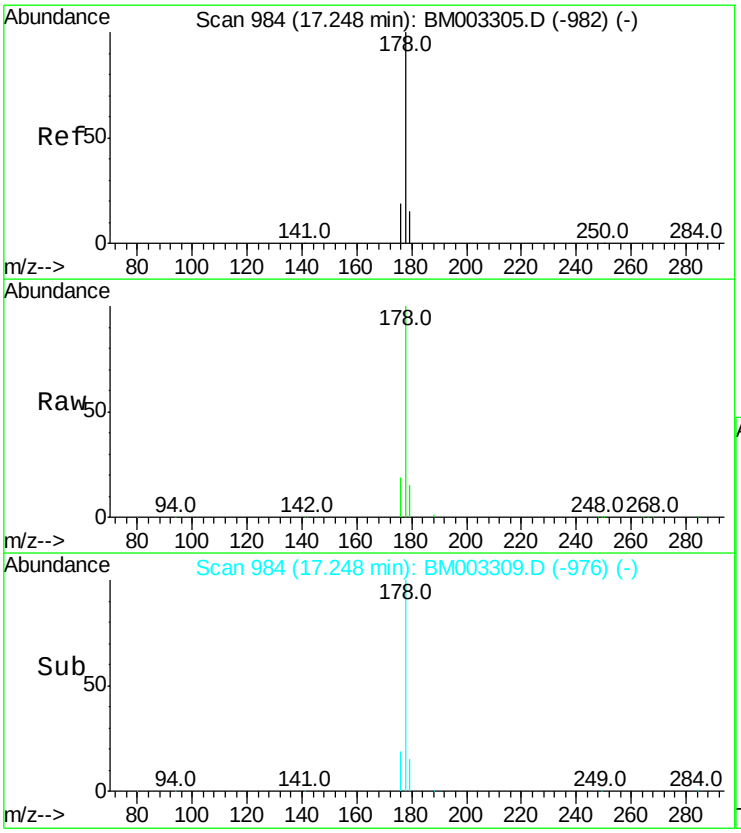
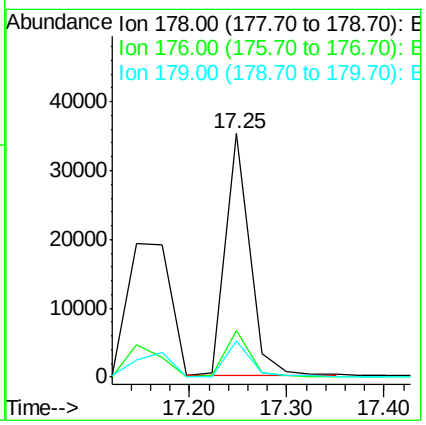
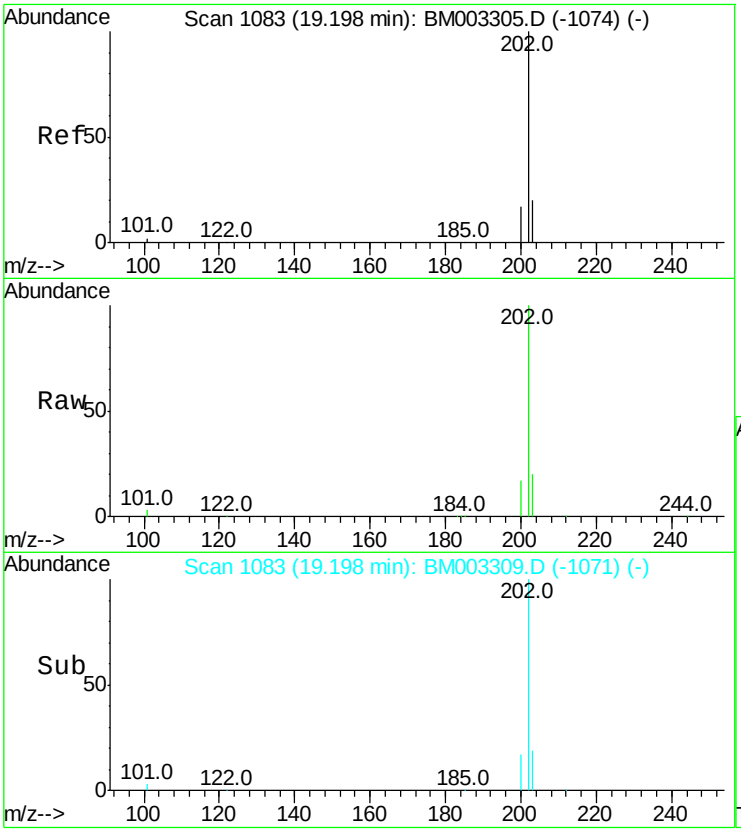


#24
Anthracene
Concen: 1.00 ng
RT: 17.25 min Scan# 984
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:178 Resp: 60812

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.1	21.1
179	14.9	12.8	19.2

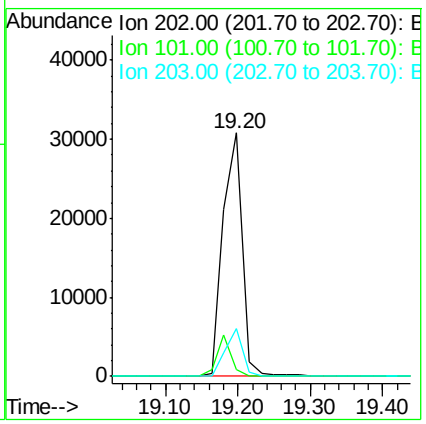




#25
Fluoranthene
Concen: 0.80 ng
RT: 19.20 min Scan# 1083
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:202 Resp: 56680

Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.9	14.9
203	17.5	13.9	20.9



Instrument :
BNA_M
ClientSampleId :
ICVBM112715

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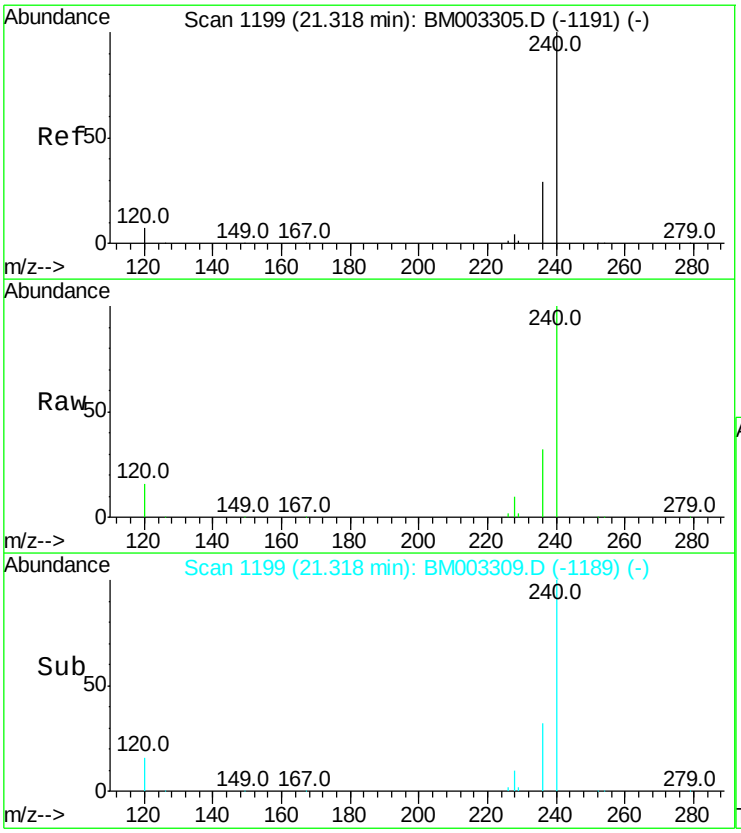
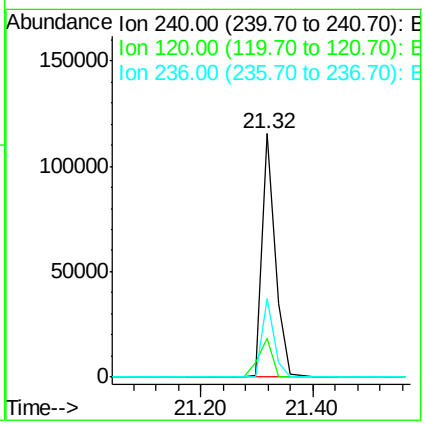
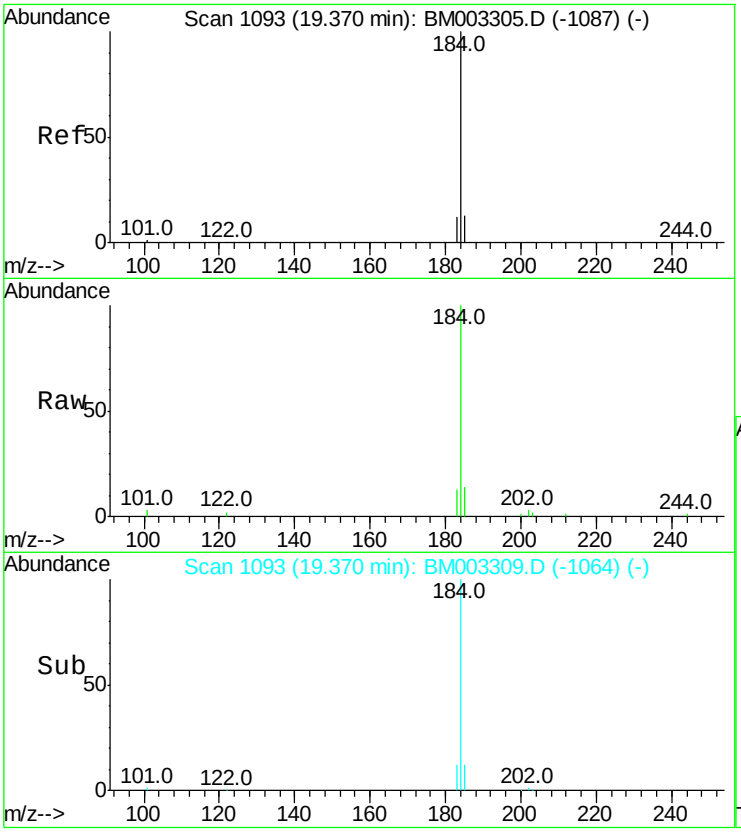


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.32 min Scan# 1199
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:240 Resp: 188600

Ion	Ratio	Lower	Upper
240	100		
120	16.0	1.0	1.4#
236	32.3	17.9	26.9#

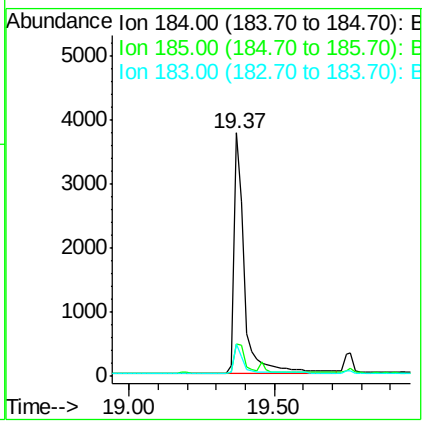




#27
Benzidine
Concen: 1.20 ng
RT: 19.37 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:184 Resp: 9057

Ion	Ratio	Lower	Upper
184	100		
185	13.5	11.6	17.4
183	13.5	8.6	13.0#



Instrument :
BNA_M
ClientSampleId :
ICVBM112715

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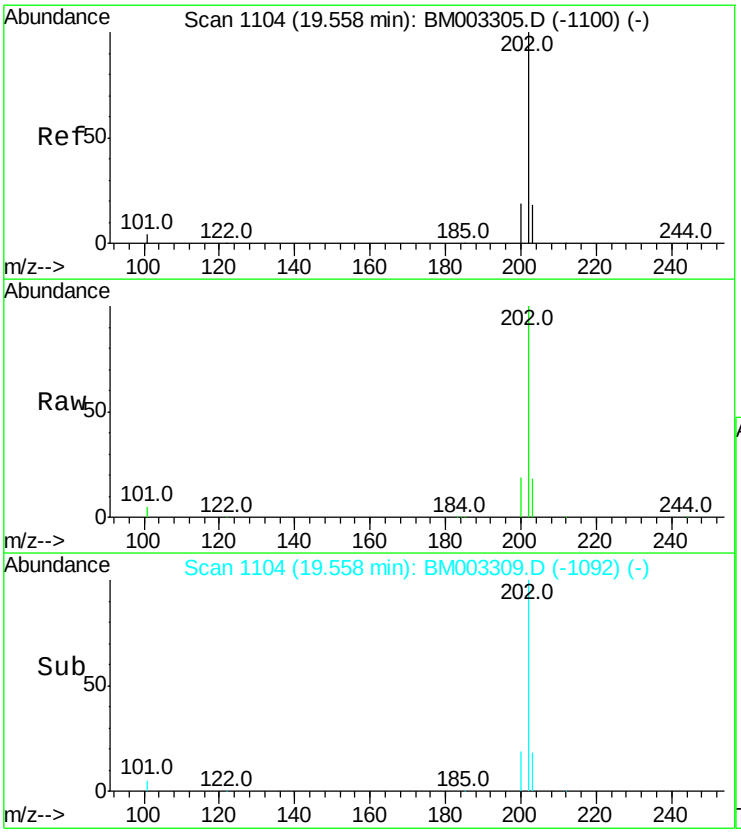
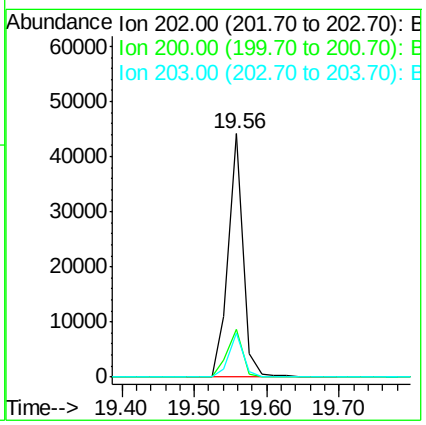
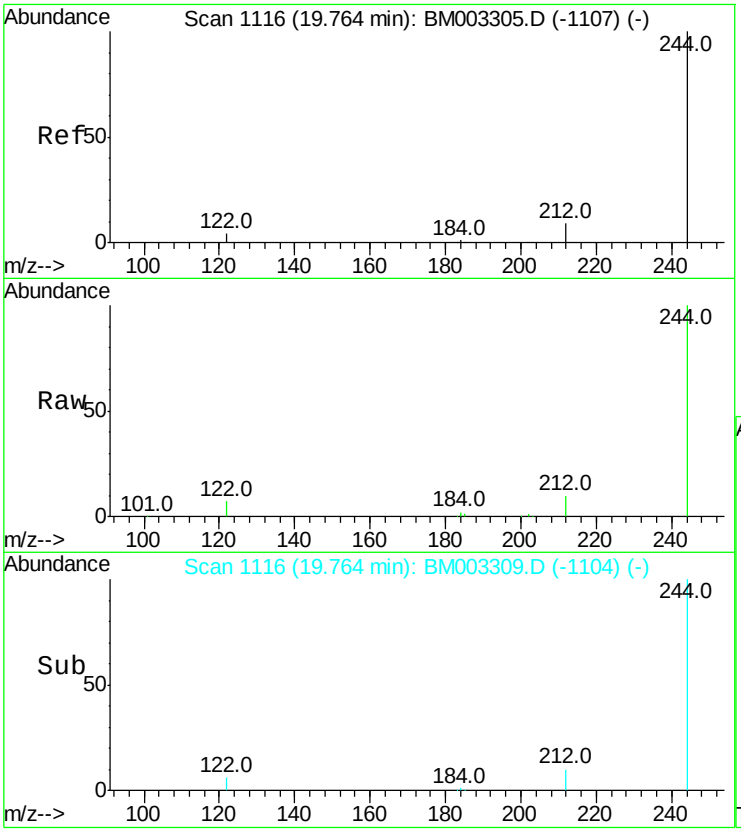


#28
Pyrene
Concen: 1.07 ng
RT: 19.56 min Scan# 1104
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:202 Resp: 61940

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.7	25.1
203	17.5	13.8	20.6





#29
Terphenyl-d14
Concen: 1.11 ng
RT: 19.76 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:244 Resp: 29290

Ion	Ratio	Lower	Upper
244	100		
212	9.8	6.5	9.7#
122	7.0	2.0	3.0#

Instrument :
BNA_M
ClientSampleId :
ICVBM112715

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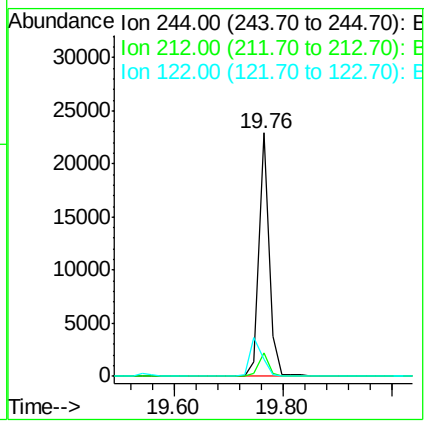
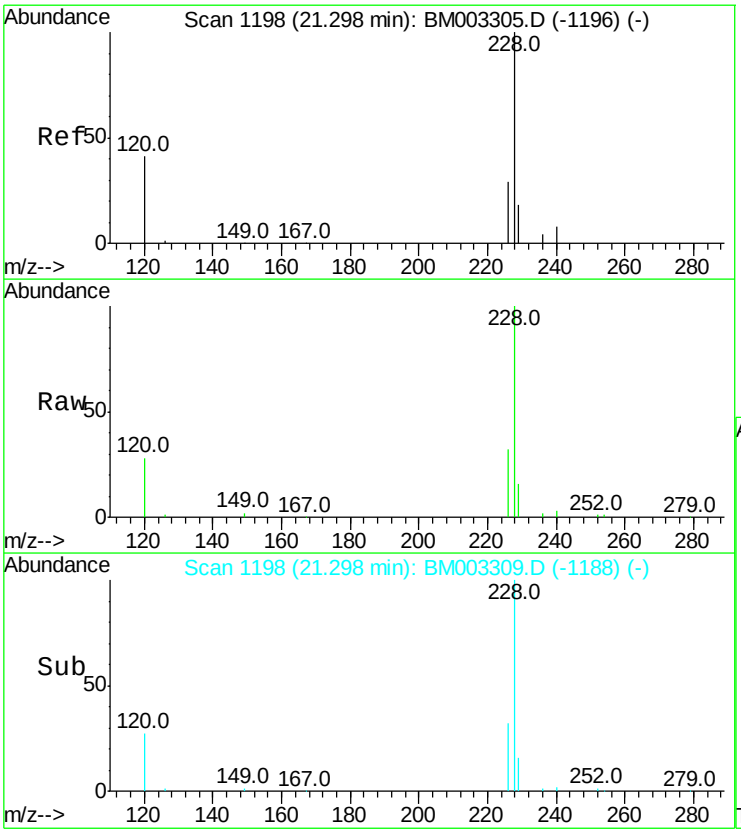
11/30/2015 5:45:47 PM

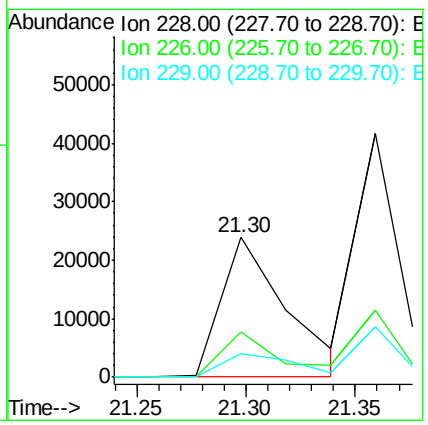


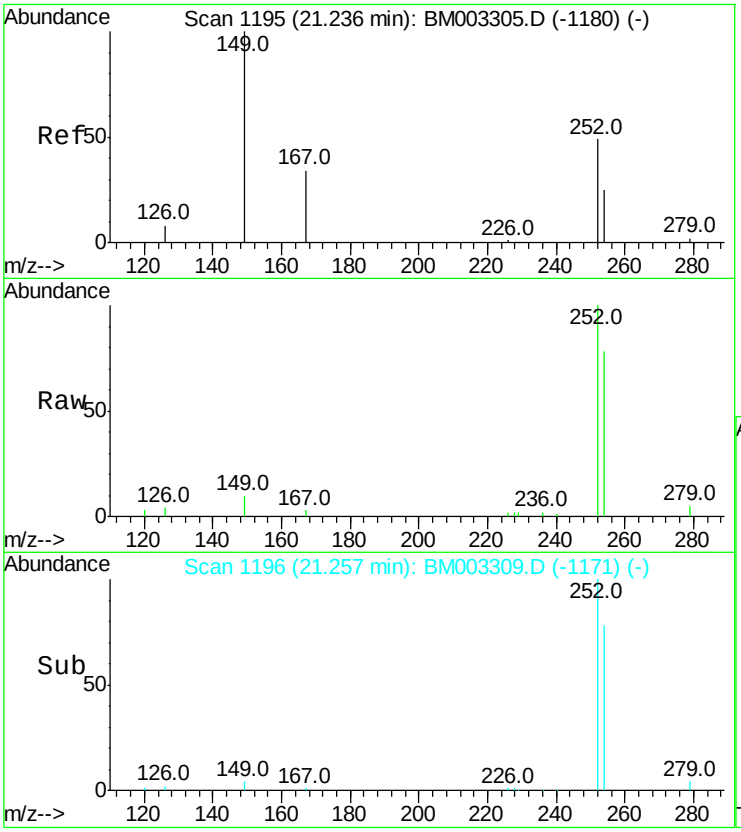


#30
Benzo(a)anthracene
Concen: 1.04 ng m
RT: 21.30 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:228 Resp: 49447

Ion	Ratio	Lower	Upper
228	100		
226	32.4	17.8	26.6#
229	16.5	18.0	27.0#

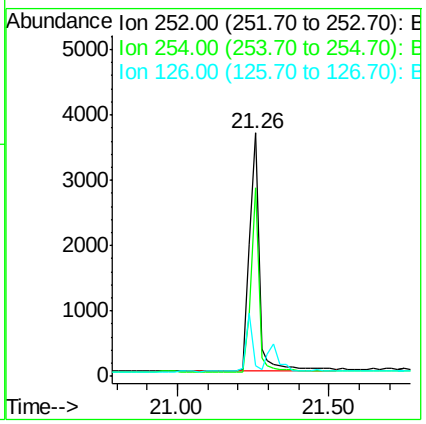




#31
3,3'-Dichlorobenzidine
Concen: 0.95 ng
RT: 21.26 min Scan# 1196
Delta R.T. 0.02 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:252 Resp: 8268

Ion	Ratio	Lower	Upper
252	100		
254	77.6	53.7	80.5
126	4.2	2.8	4.2



Instrument :
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ClientSampleId :
ICVBM112715

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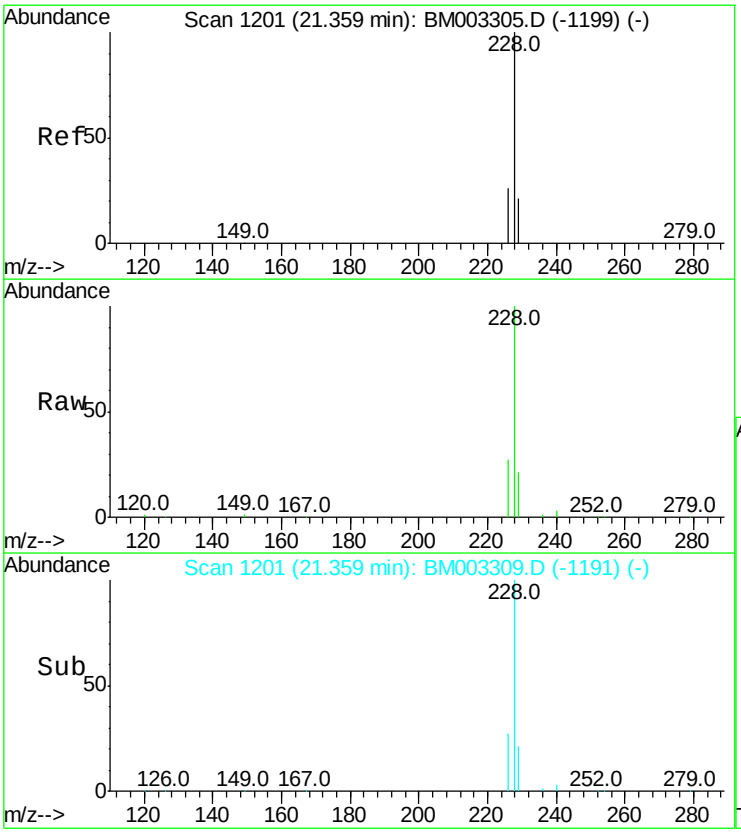
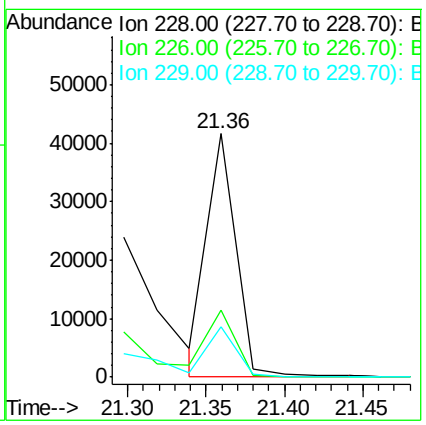
11/30/2015 5:45:47 PM

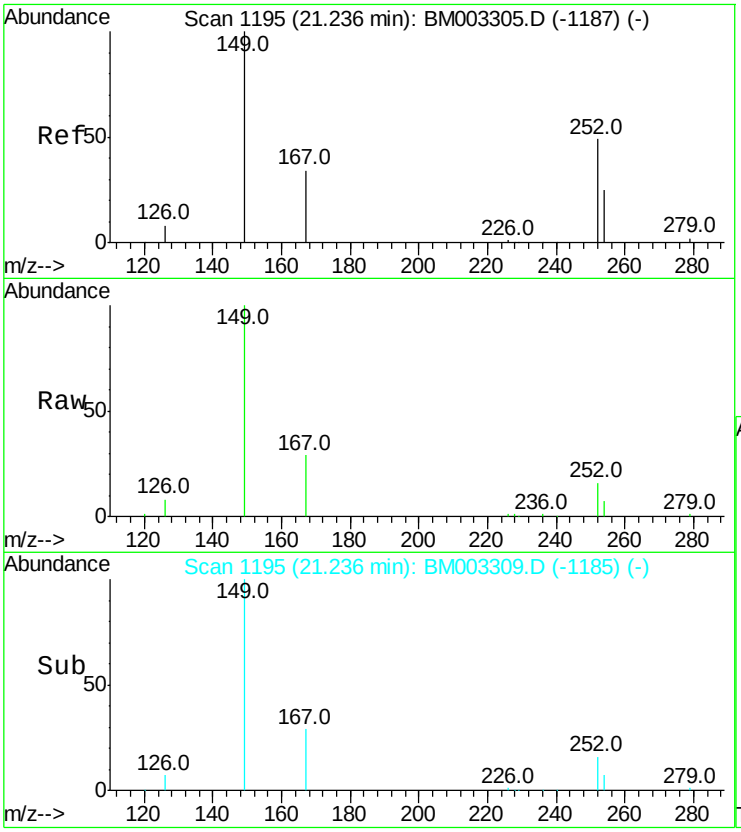


#32
Chrysene
Concen: 1.02 ng m
RT: 21.36 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:228 Resp: 54108

Ion	Ratio	Lower	Upper
228	100		
226	27.5	25.5	38.3
229	20.6	14.3	21.5





#33
Bis(2-ethylhexyl)phthalate
Concen: 1.15 ng
RT: 21.24 min Scan# 1195
Delta R.T. 0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:149 Resp: 16960

Ion	Ratio	Lower	Upper
149	100		
167	27.9	19.6	29.4
279	0.0	0.0	0.0

Instrument :
BNA_M
ClientSampleId :
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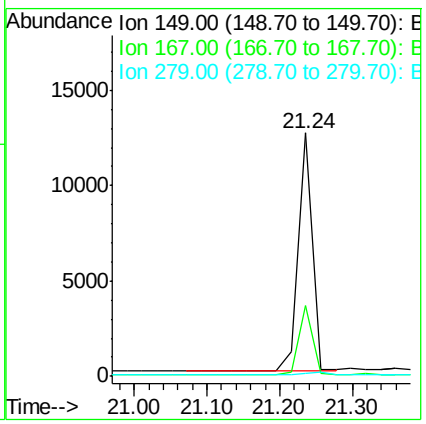
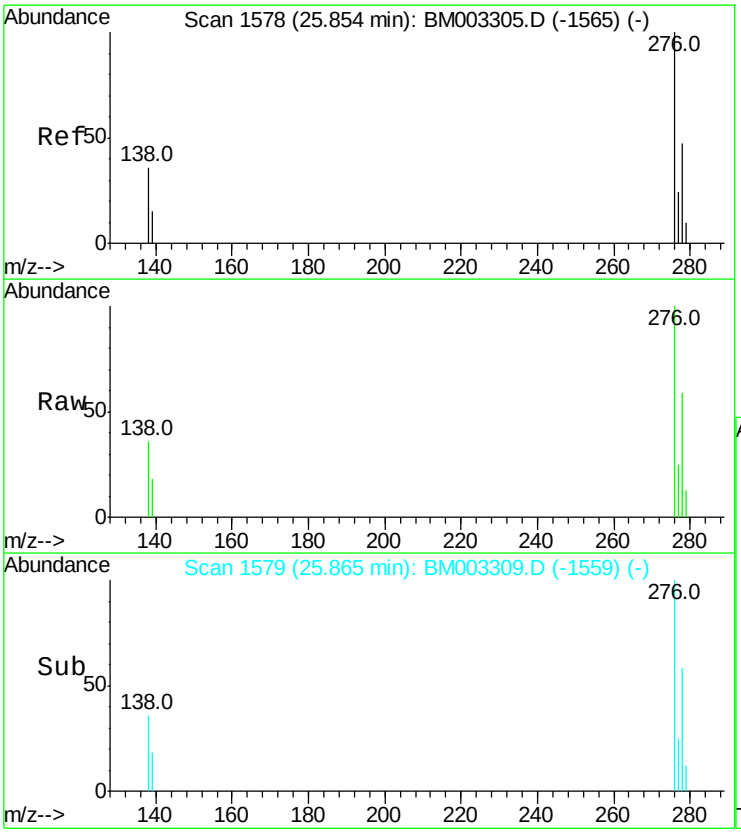
11/30/2015 5:45:47 PM

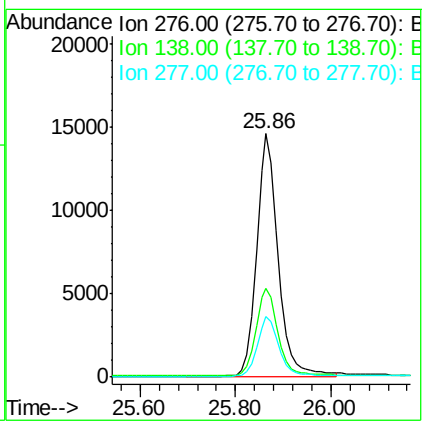


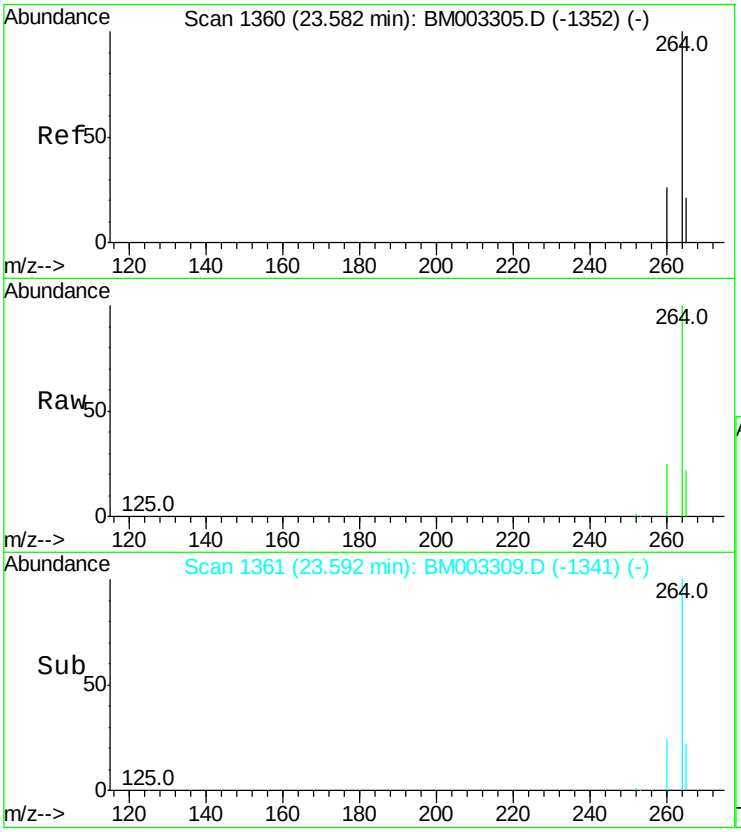


#34
Indeno(1,2,3-cd)pyrene
Concen: 1.05 ng
RT: 25.86 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:276 Resp: 45762

Ion	Ratio	Lower	Upper
276	100		
138	37.2	19.1	28.7#
277	24.9	15.9	23.9#

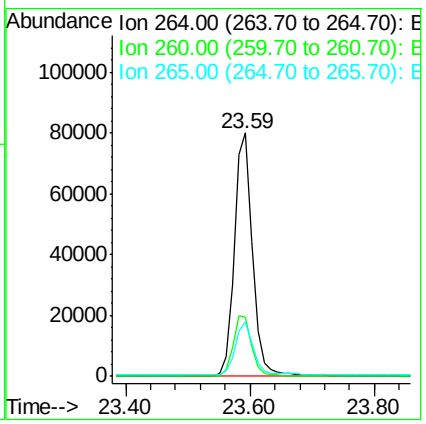




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.59 min Scan# 1361
Delta R.T. 0.01 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:264 Resp: 163351

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	22.5	18.4	27.6



Instrument :
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ClientSampleId :
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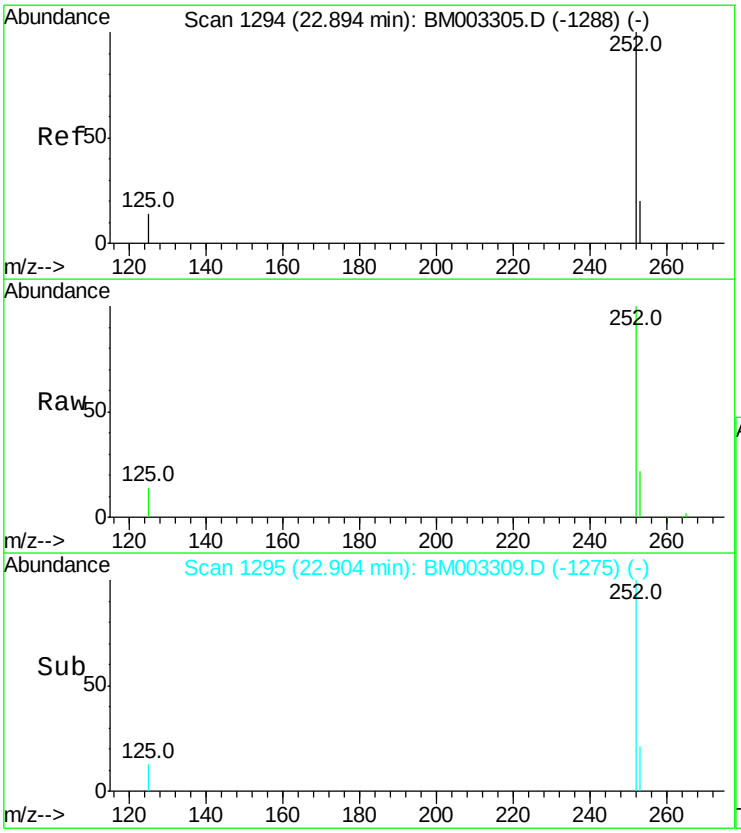
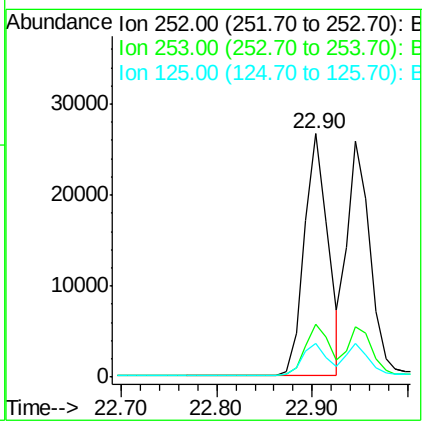
11/30/2015 5:45:47 PM

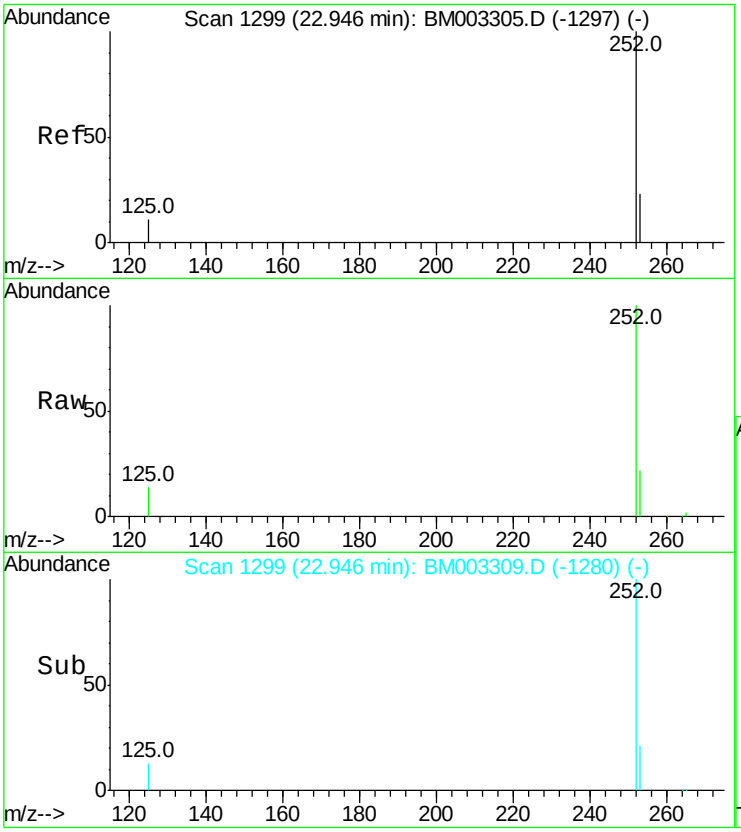


#36
Benzo(b)fluoranthene
Concen: 0.97 ng
RT: 22.90 min Scan# 1295
Delta R.T. 0.01 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:252 Resp: 45700

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.4
125	13.9	10.3	15.5

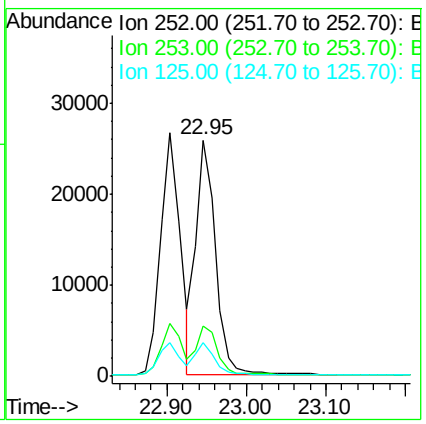




#37
Benzo(k)fluoranthene
Concen: 1.04 ng
RT: 22.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:252 Resp: 44151

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	14.1	10.7	16.1



Instrument :
BNA_M
ClientSampleId :
ICVBM112715

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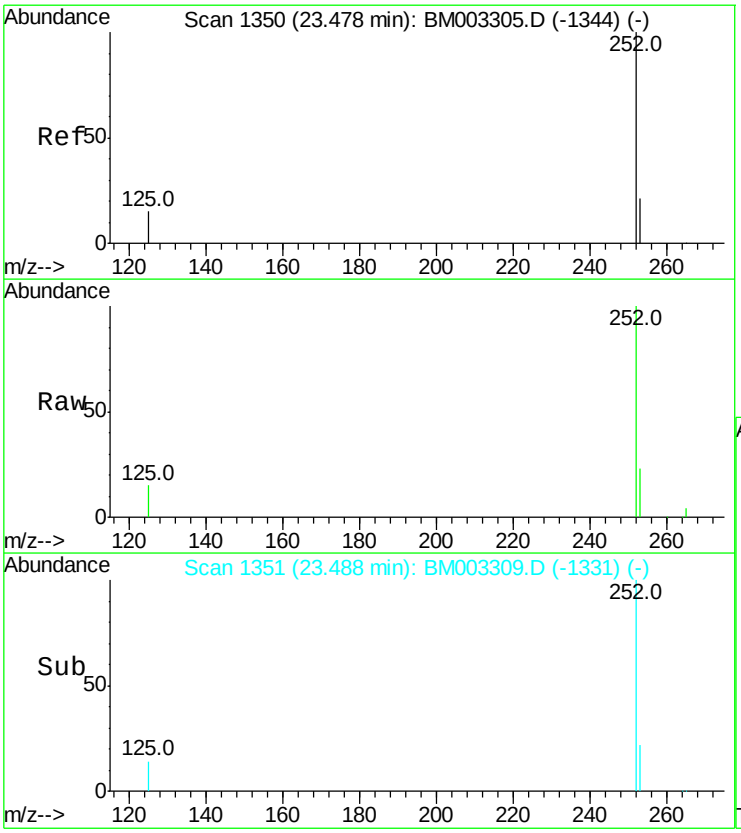
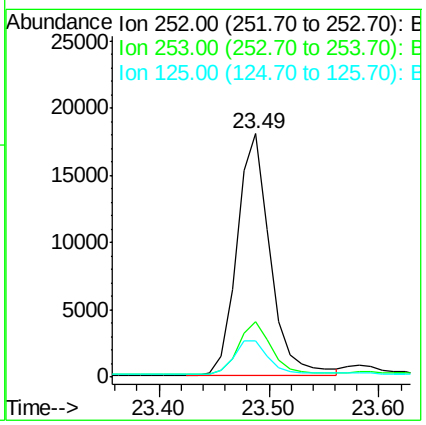
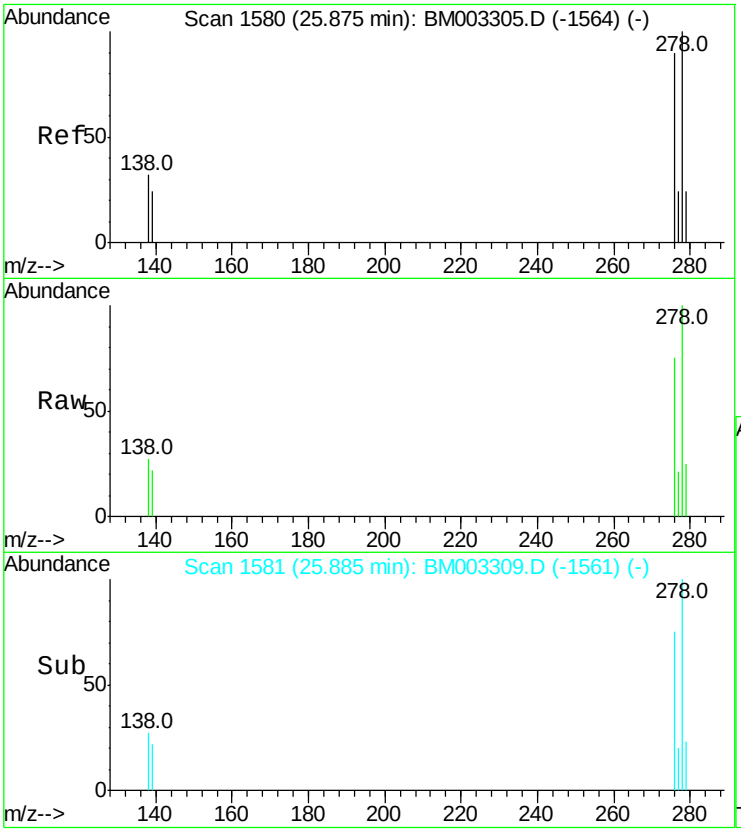


#38
Benzo(a)pyrene
Concen: 1.00 ng
RT: 23.49 min Scan# 1351
Delta R.T. 0.01 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:252 Resp: 37274

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.7	28.1
125	15.1	11.6	17.4

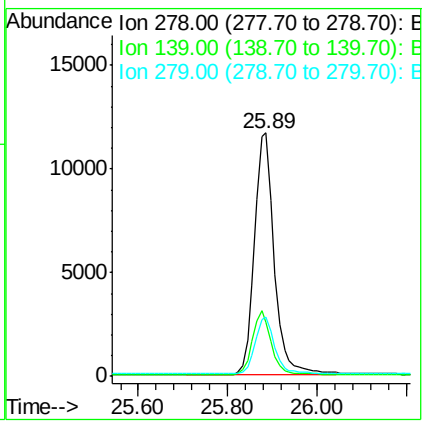




#39
Dibenzo(a,h)anthracene
Concen: 1.13 ng
RT: 25.89 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:278 Resp: 36490

Ion	Ratio	Lower	Upper
278	100		
139	22.4	18.2	27.4
279	24.6	18.8	28.2



Instrument :
BNA_M
ClientSampleId :
ICVBM112715

Manual Integrations APPROVED
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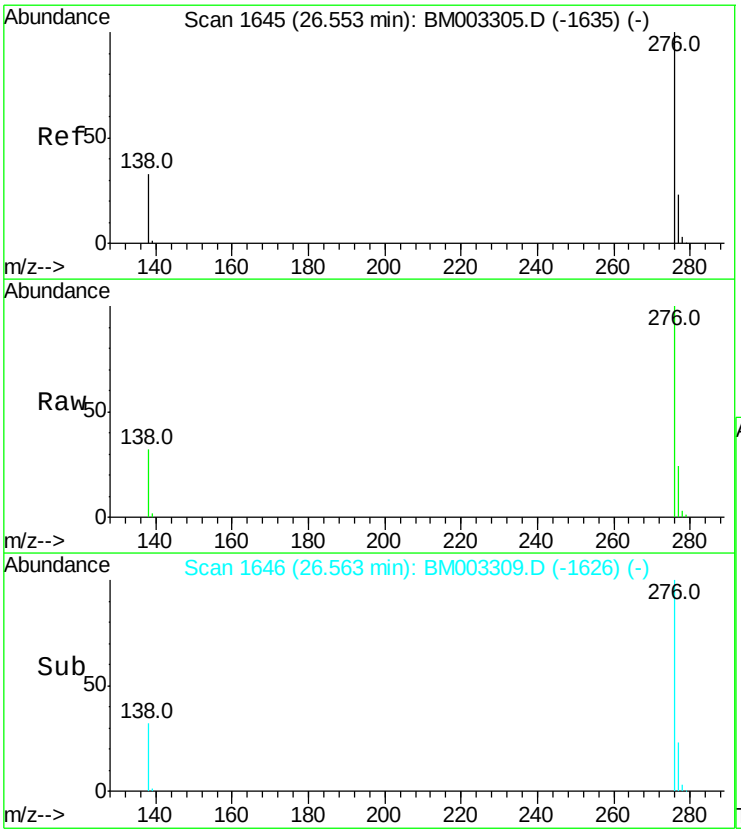
11/30/2015 5:45:47 PM



#40
Benzo(g,h,i)perylene
Concen: 1.02 ng
RT: 26.56 min Scan# 1646
Delta R.T. 0.01 min
Lab File: BM003309.D
Acq: 27 Nov 2015 17:21

Tgt Ion:276 Resp: 39683

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	32.1	22.3	33.5