Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112715\
Data File : BM003301.D
Acq On : 27 Nov 2015 11:13
Operator : UM/IZ
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SSTDICC0.1

Manual Integrations APPROVED
Mmdadoda
11/30/2015 5:45:37 PM

Quant Time: Nov 27 16:12:59 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 16:09:55 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	65573	5.00	ng		0.00
7) Naphthalene-d8	10.53	136	253600	5.00	ng		0.00
13) Acenaphthene-d10	14.37	164	109801	5.00	ng		0.00
19) Phenanthrene-d10	17.11	188	221227	5.00	ng		0.00
26) Chrysene-d12	21.33	240	152467	5.00	ng		0.01
35) Perylene-d12	23.58	264	143505	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.31	112	1397	0.10	ng		0.00
5) Phenol-d6	6.90	99	1493	0.10	ng		0.00
8) Nitrobenzene-d5	8.89	82	1129m	0.10	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	173	0.10	ng		0.02
15) 2-Fluorobiphenyl	13.01	172	4090	0.10	ng		0.00
29) Terphenyl-d14	19.76	244	2392	0.10	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.24	88	877	0.11	ng	#	86
3) n-Nitrosodimethylamine	3.55	42	624	0.10	ng		99
6) bis(2-Chloroethyl)ether	7.16	93	1692	0.10	ng		99
9) Nitrobenzene	8.93	77	1217	0.10	ng		98
10) Naphthalene	10.56	128	6284	0.10	ng		96
11) Hexachlorobutadiene	10.87	225	970m	0.10	ng		
12) 2-Methylnaphthalene	12.19	142	3772	0.10	ng		94
16) Acenaphthylene	14.08	152	3797	0.10	ng		99
17) Acenaphthene	14.44	154	3874	0.10	ng	#	100
18) Fluorene	15.44	166	3297	0.10	ng		95
20) 4-Bromophenyl-phenylether	16.32	248	813	0.10	ng	#	35
21) Hexachlorobenzene	16.45	284	859	0.10	ng	#	51
22) Pentachlorophenol	16.78	266	377	0.12	ng	#	91
23) Phenanthrene	17.16	178	5853	0.10	ng	#	93
24) Anthracene	17.24	178	3963	0.10	ng		97
25) Fluoranthene	19.19	202	5116	0.10	ng		99
27) Benzidine	19.38	184	565	0.10	ng	#	41
28) Pyrene	19.55	202	5257	0.10	ng		99
30) Benzo(a)anthracene	21.31	228	4408m	0.10	ng		
31) 3,3'-Dichlorobenzidine	21.25	252	699	0.10	ng	#	95
32) Chrysene	21.35	228	5728m	0.10	ng		
33) Bis(2-ethylhexyl)phthalate	21.23	149	2026	0.11	ng	#	99
34) Indeno(1,2,3-cd)pyrene	25.85	276	3590	0.10	ng	#	82
36) Benzo(b)fluoranthene	22.89	252	4606	0.11	ng	#	85
37) Benzo(k)fluoranthene	22.95	252	3548	0.08	ng	#	81
38) Benzo(a)pyrene	23.48	252	3208	0.10	ng	#	76
39) Dibenzo(a,h)anthracene	25.88	278	2509	0.10	ng	#	78
40) Benzo(g,h,i)perylene	26.55	276	3621	0.10	ng	#	87

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

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Acq On : 27 Nov 2015 11:13
Operator : UM/IZ
Sample : SSTDICC0.1
Misc :
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Quant Time: Nov 27 16:12:59 2015
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QLast Update : Fri Nov 27 16:09:55 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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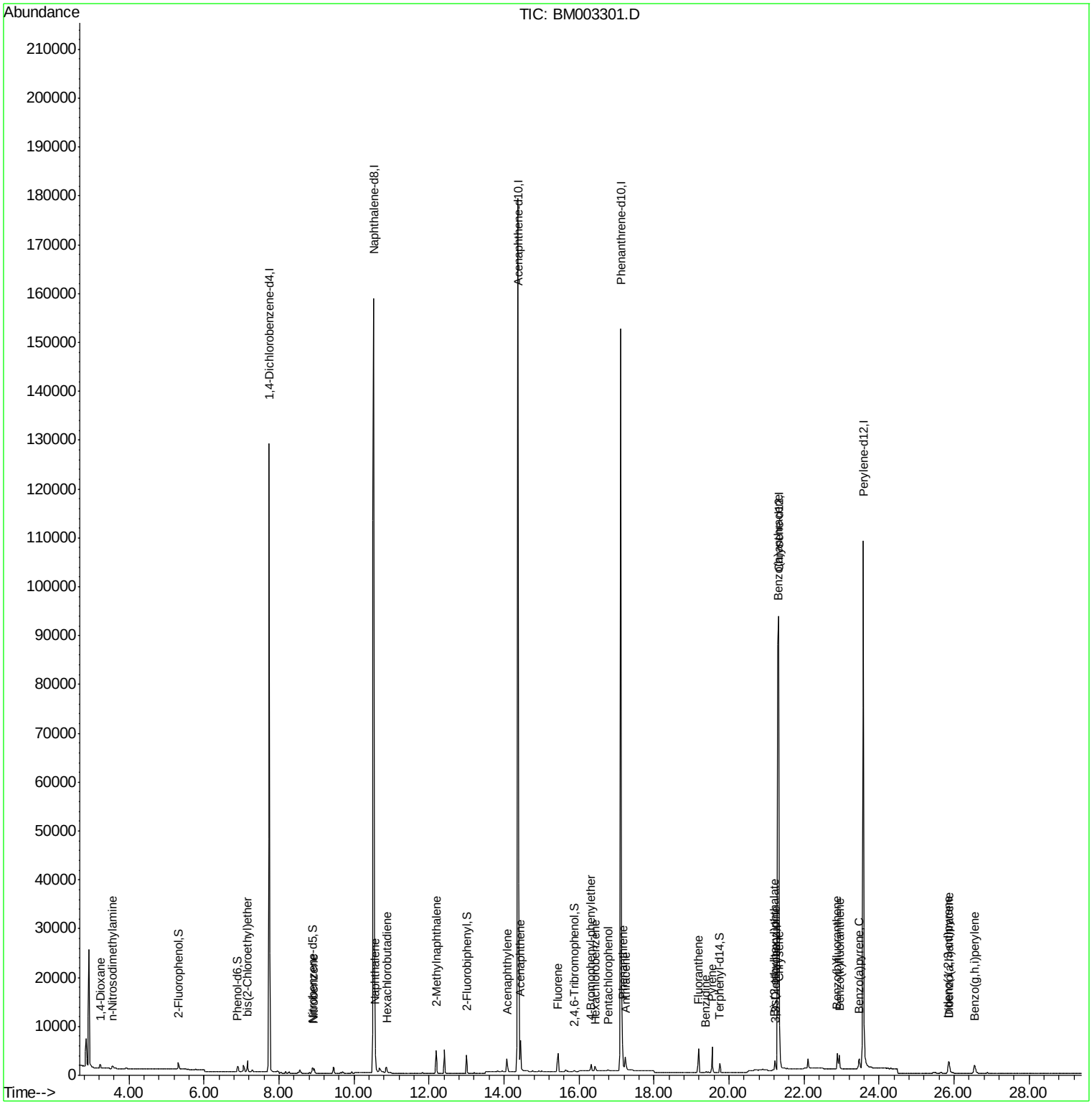
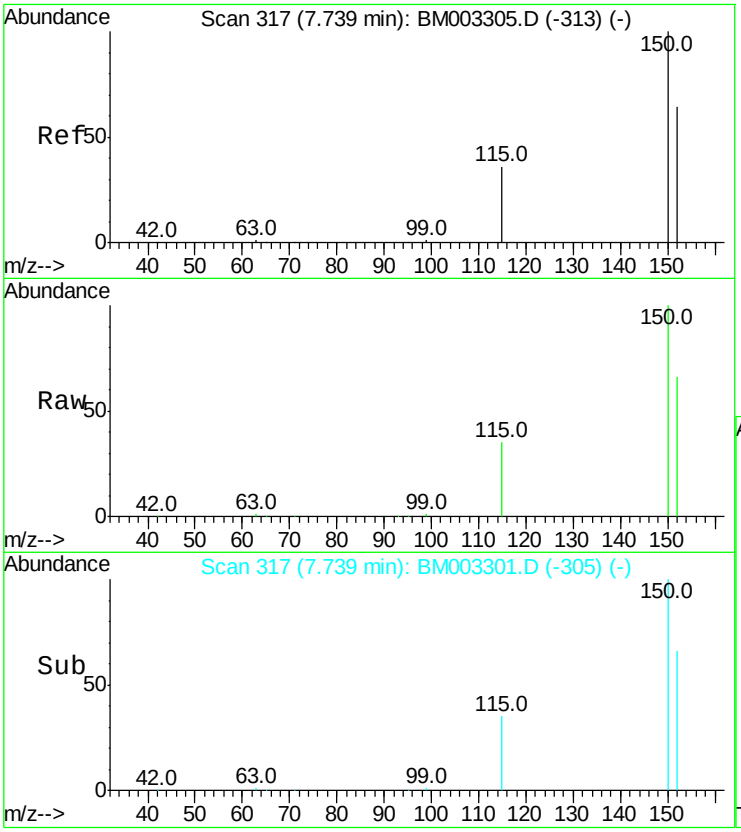
11/30/2015 5:45:37 PM





#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.74 min Scan# 317
Delta R.T. -0.00 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:152 Resp: 65573

Ion	Ratio	Lower	Upper
152	100		
150	151.8	143.6	215.4
115	53.3	58.5	87.7#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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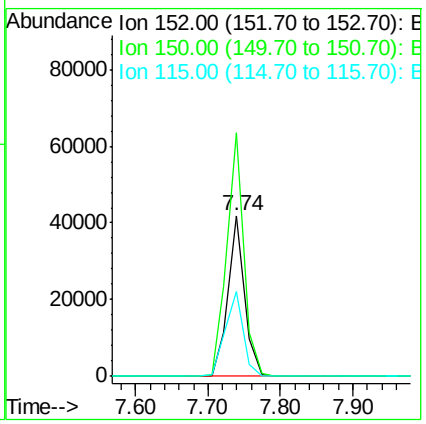
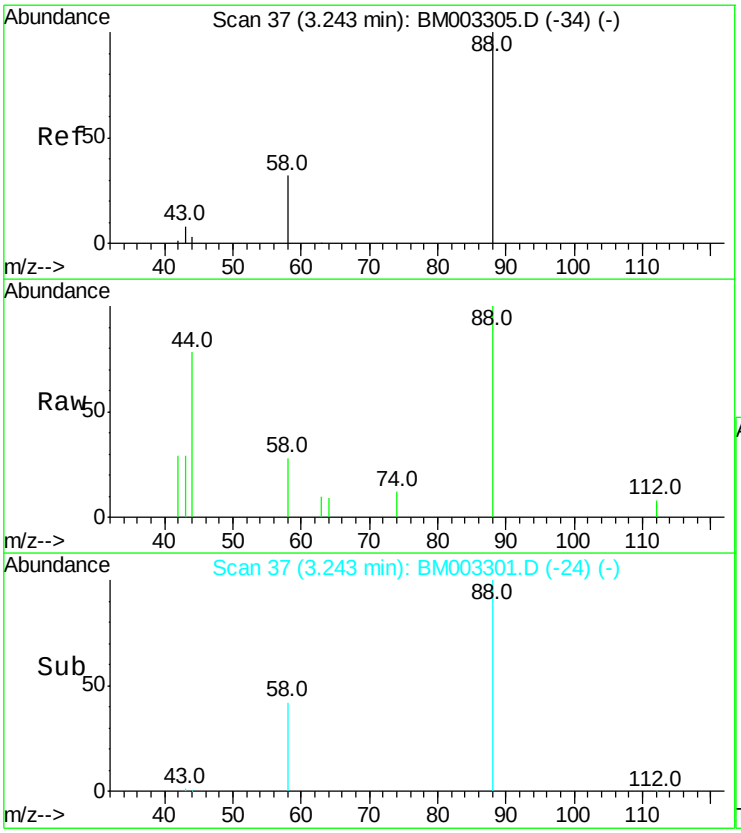
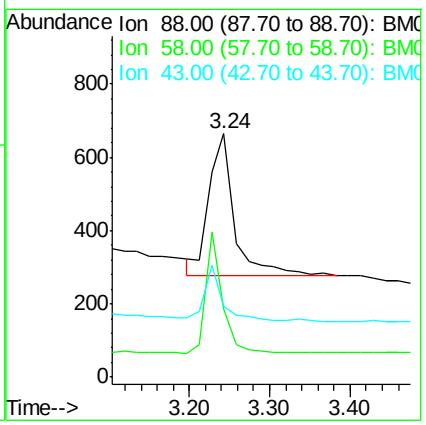


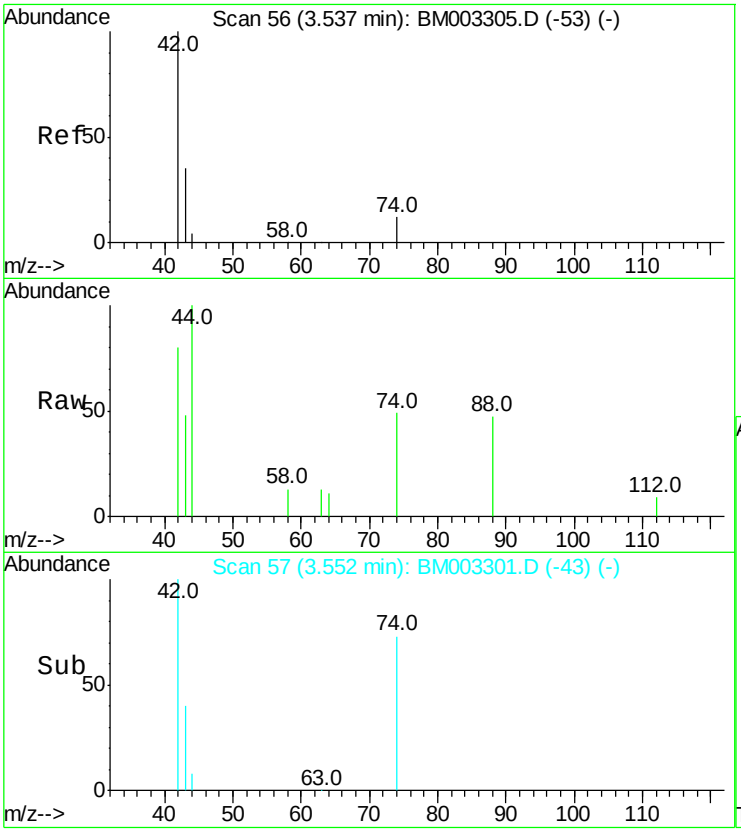


#2
1,4-Dioxane
Concen: 0.11 ng
RT: 3.24 min Scan# 37
Delta R.T. -0.00 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion: 88 Resp: 877

Ion	Ratio	Lower	Upper
88	100		
58	54.5	55.2	82.8#
43	30.1	21.8	32.6

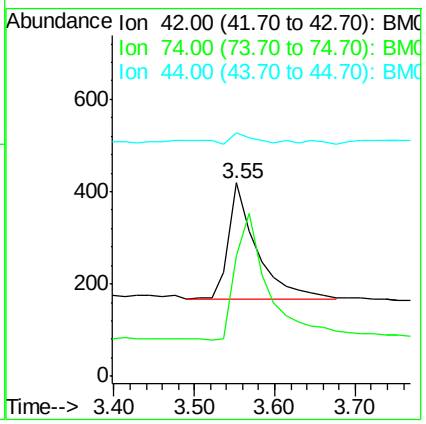




#3
n-Nitrosodimethylamine
Concen: 0.10 ng
RT: 3.55 min Scan# 57
Delta R.T. 0.02 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion: 42 Resp: 624

Ion	Ratio	Lower	Upper
42	100		
74	125.2	101.0	151.4
44	7.4	6.3	9.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

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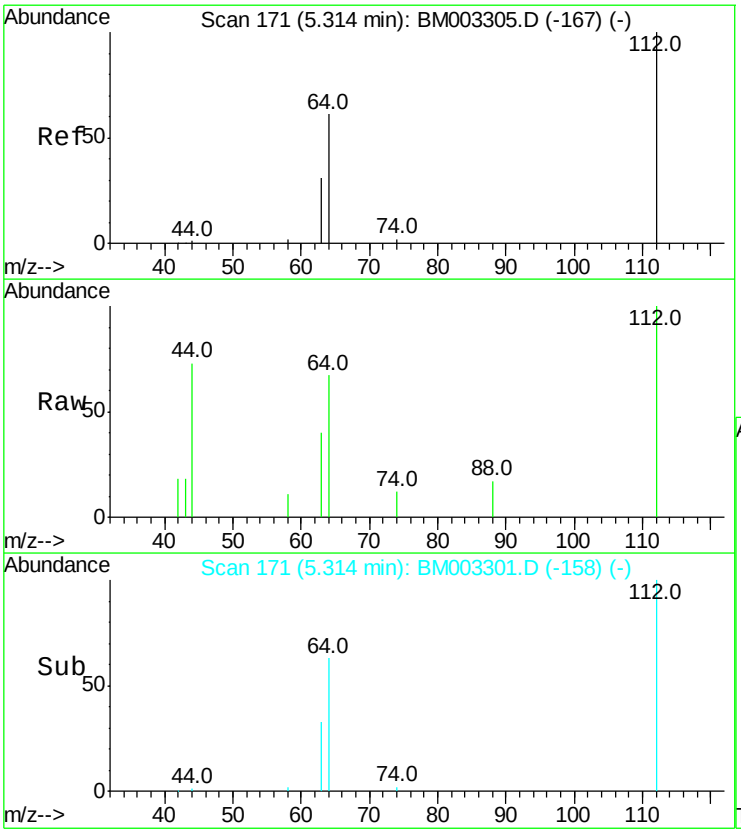
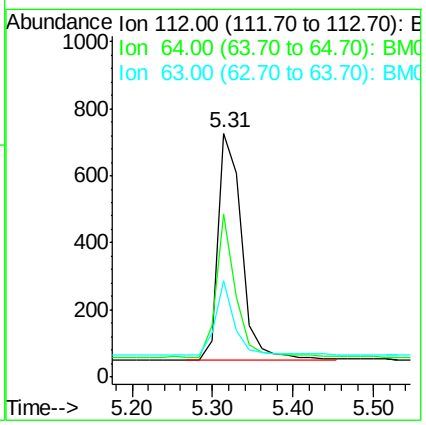
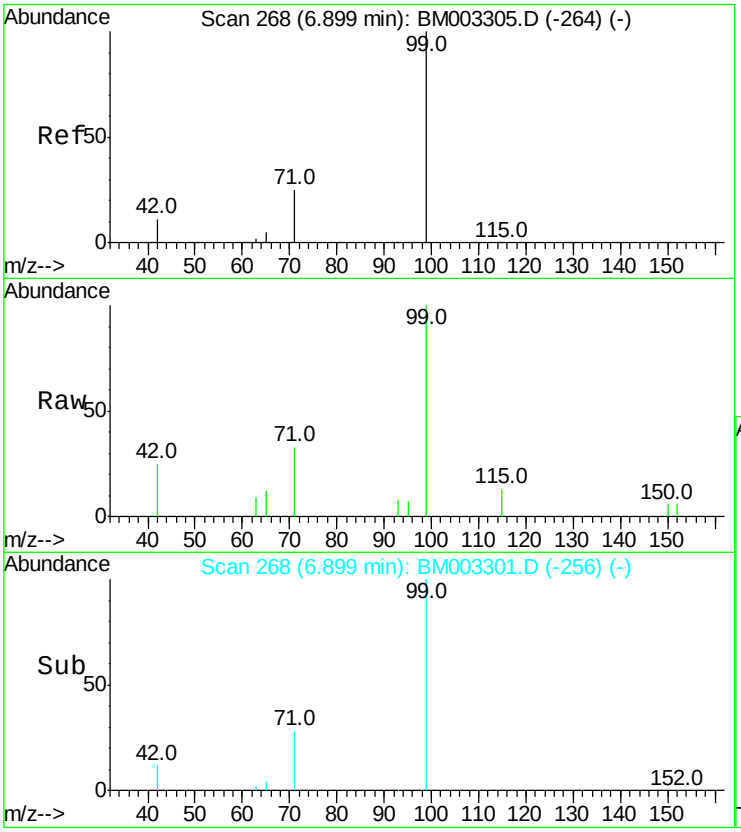


#4
2-Fluorophenol
Concen: 0.10 ng
RT: 5.31 min Scan# 171
Delta R.T. -0.00 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:112 Resp: 1397

Ion	Ratio	Lower	Upper
112	100		
64	51.7	41.2	61.8
63	27.5	21.2	31.8

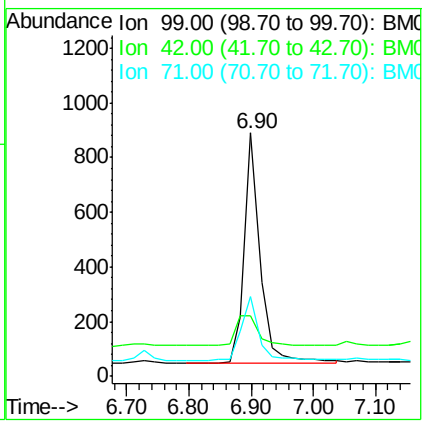




#5
Phenol-d6
Concen: 0.10 ng
RT: 6.90 min Scan# 268
Delta R.T. -0.00 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion: 99 Resp: 1493

Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.6	22.0
71	31.2	23.3	34.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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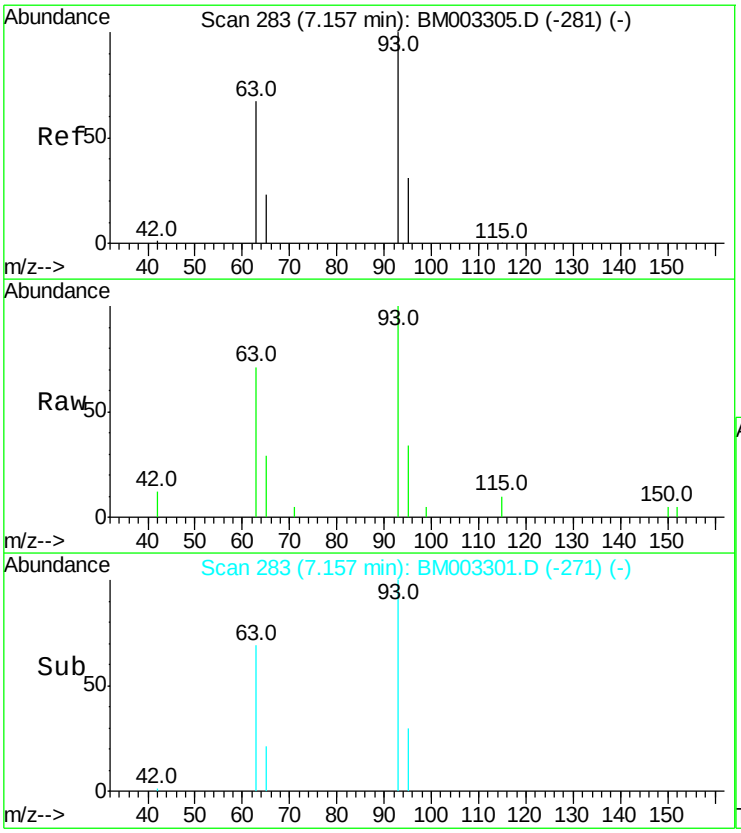
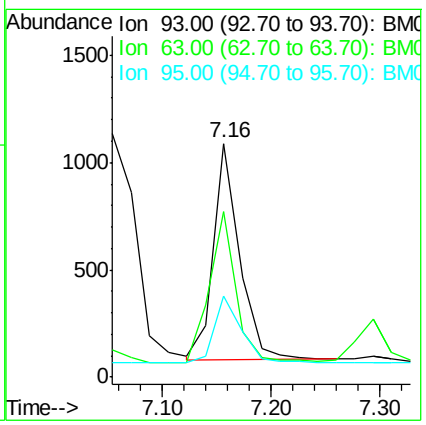
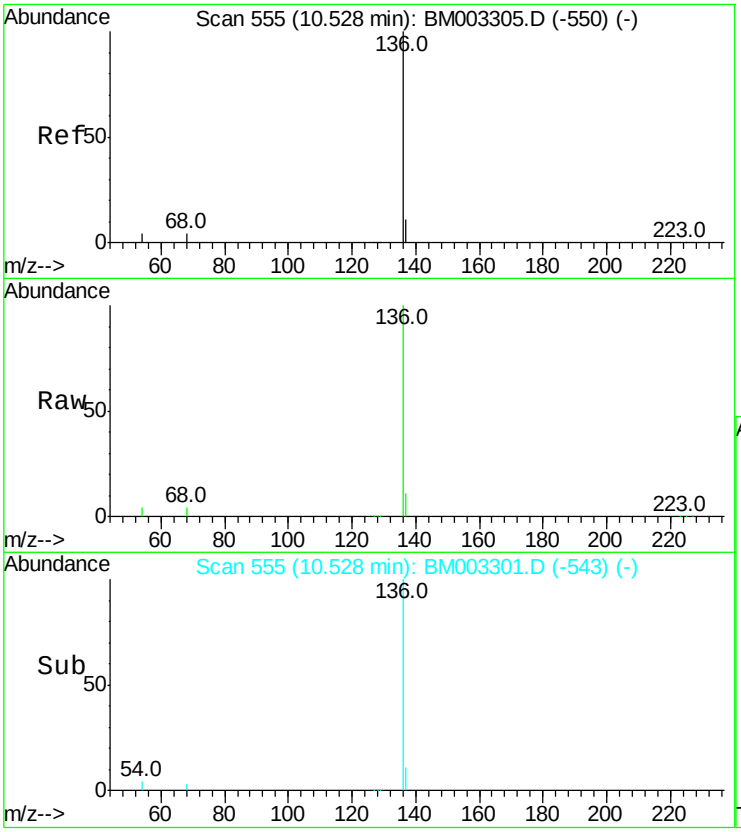


#6
bis(2-Chloroethyl)ether
Concen: 0.10 ng
RT: 7.16 min Scan# 283
Delta R.T. -0.00 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion: 93 Resp: 1692

Ion	Ratio	Lower	Upper
93	100		
63	71.6	58.2	87.4
95	32.0	26.2	39.4

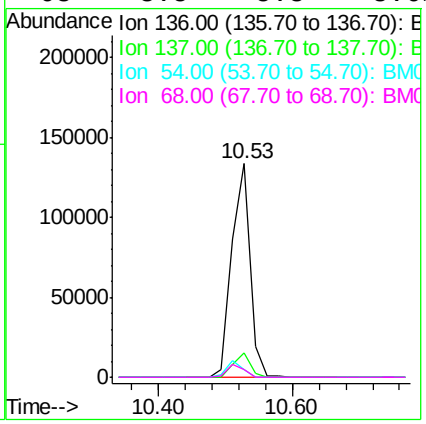




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.53 min Scan# 555
Delta R.T. -0.00 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:136 Resp: 253600

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.0	12.0
54	3.8	7.4	11.0#
68	3.5	5.8	8.6#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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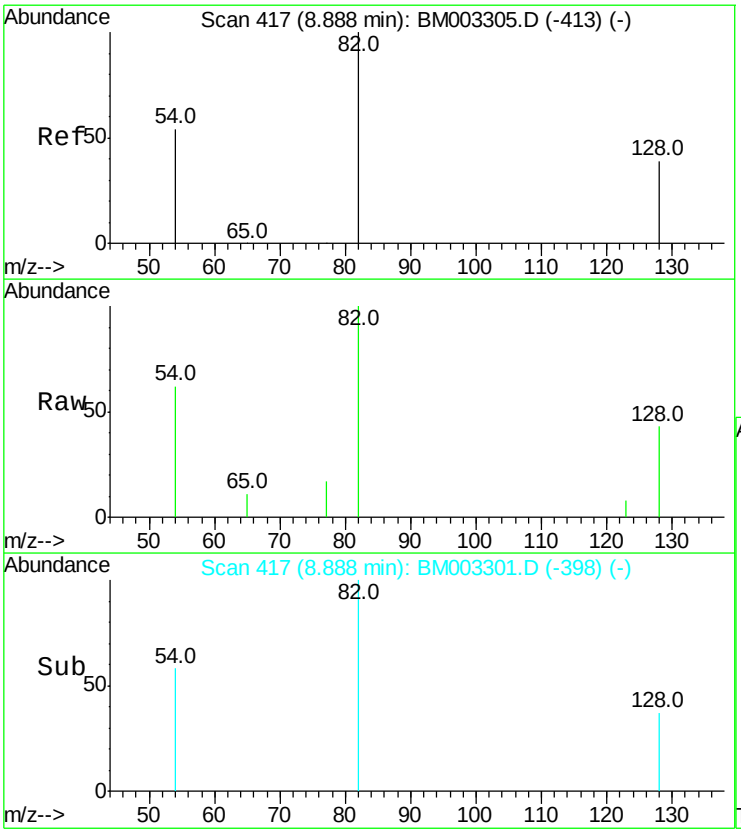
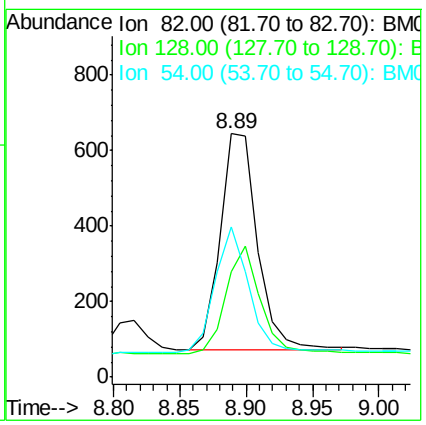
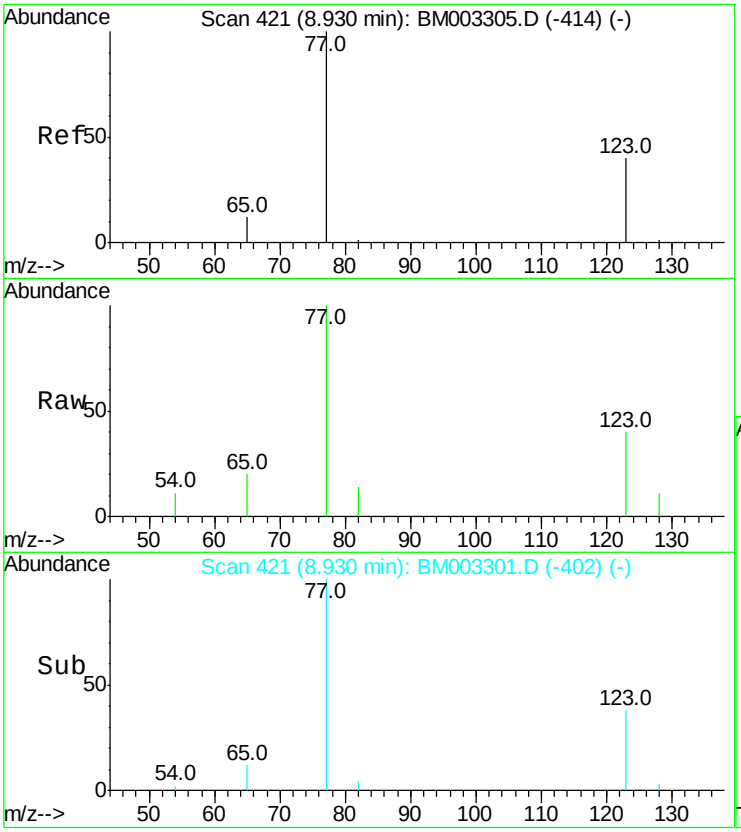


#8
Nitrobenzene-d5
Concen: 0.10 ng m
RT: 8.89 min Scan# 417
Delta R.T. -0.00 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion: 82 Resp: 1129

Ion	Ratio	Lower	Upper
82	100		
128	43.1	35.2	52.8
54	61.6	36.4	54.6#

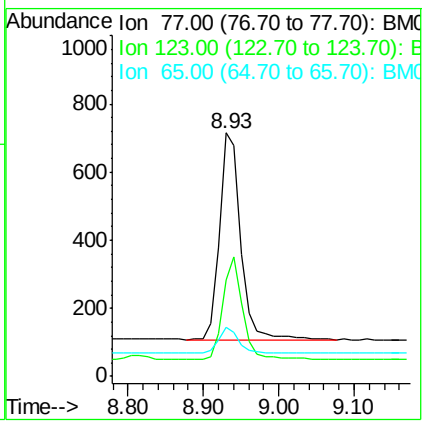




#9
Nitrobenzene
Concen: 0.10 ng
RT: 8.93 min Scan# 421
Delta R.T. -0.00 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion: 77 Resp: 1217

Ion	Ratio	Lower	Upper
77	100		
123	45.5	37.7	56.5
65	11.4	9.8	14.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

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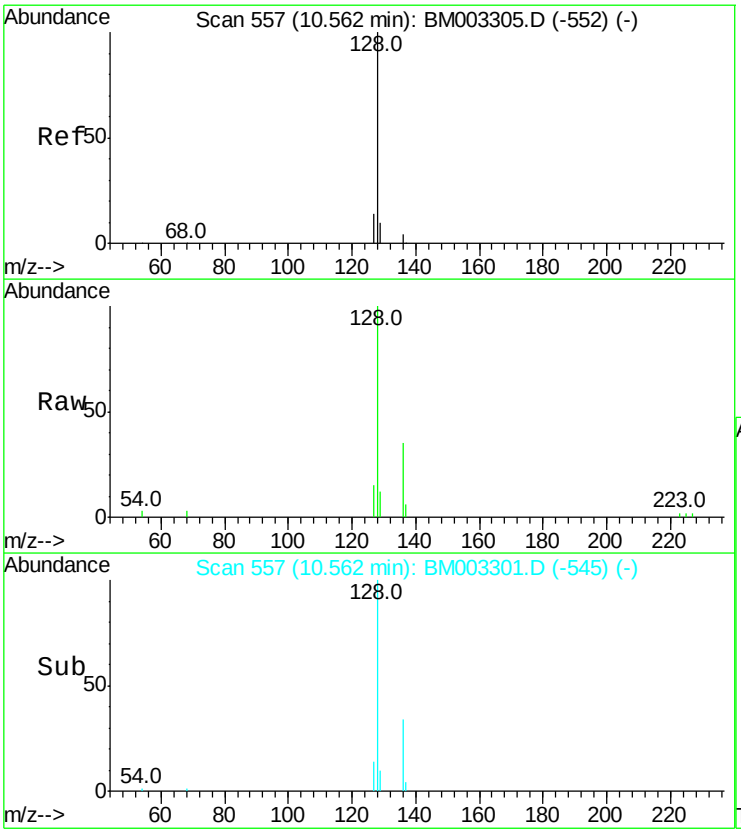
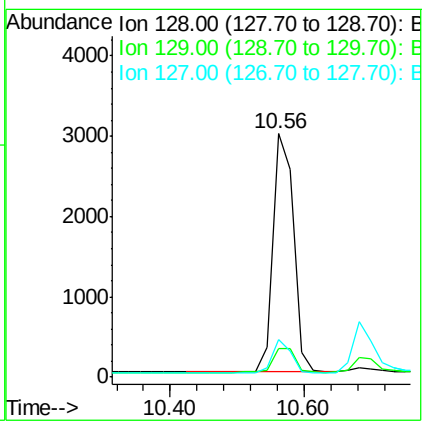
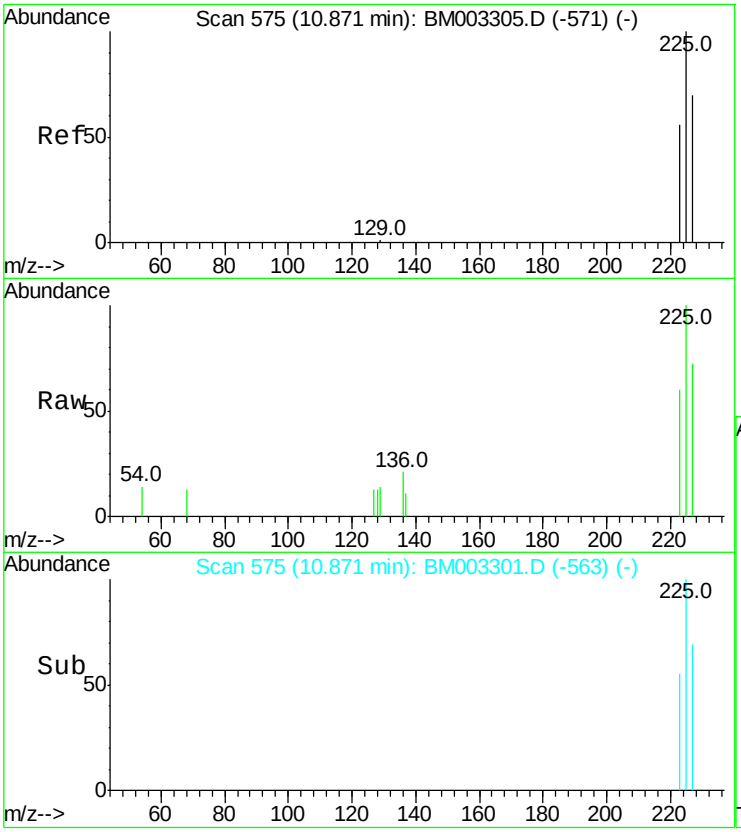


#10
Naphthalene
Concen: 0.10 ng
RT: 10.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:128 Resp: 6284

Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.5	12.7
127	15.3	10.6	16.0

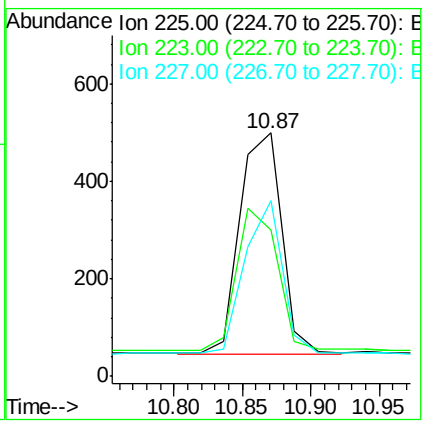




#11
Hexachlorobutadiene
Concen: 0.10 ng m
RT: 10.87 min Scan# 575
Delta R.T. -0.00 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:225 Resp: 970

Ion	Ratio	Lower	Upper
225	100		
223	121.1	53.0	79.4#
227	108.1	52.2	78.4#



Instrument :
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ClientSampleId :
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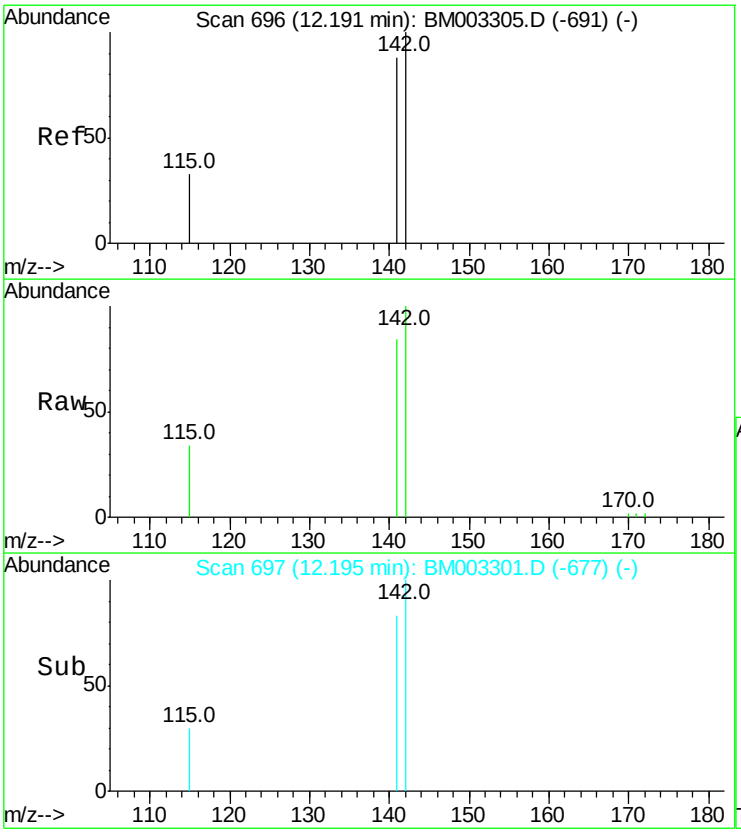
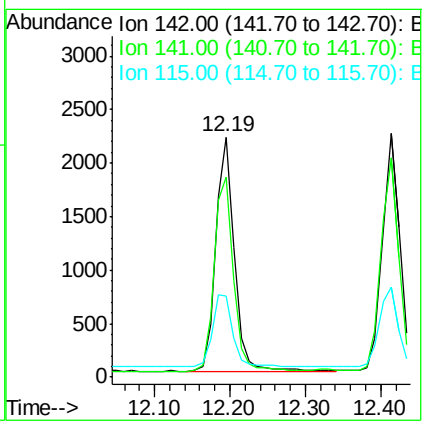
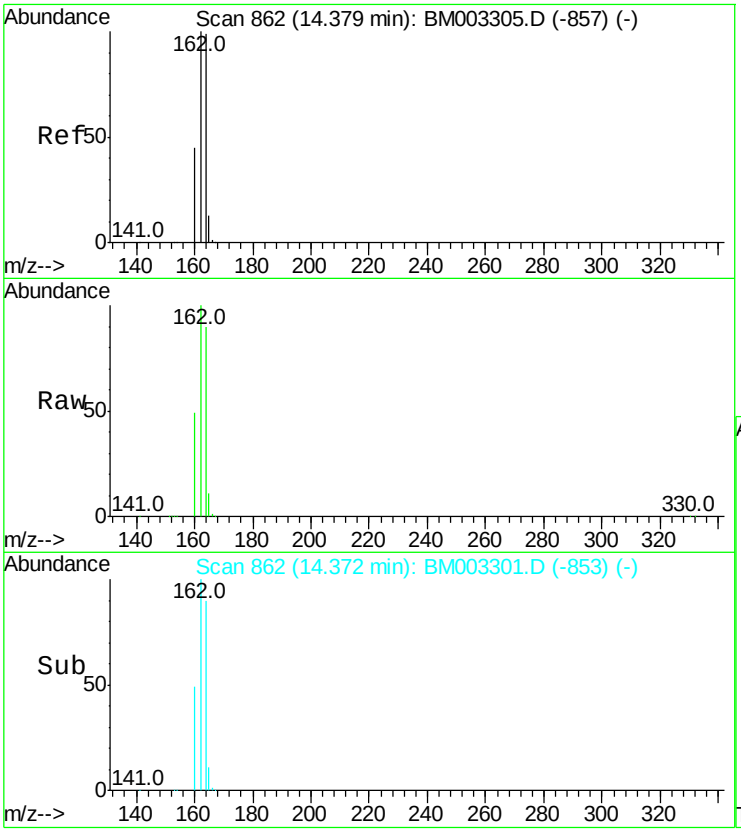


#12
2-Methylnaphthalene
Concen: 0.10 ng
RT: 12.19 min Scan# 697
Delta R.T. 0.00 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:142 Resp: 3772

Ion	Ratio	Lower	Upper
142	100		
141	83.5	72.2	108.2
115	33.5	28.0	42.0

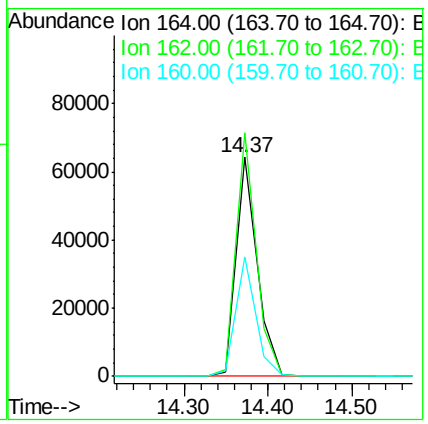




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.37 min Scan# 862
Delta R.T. -0.01 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:164 Resp: 109801

Ion	Ratio	Lower	Upper
164	100		
162	111.1	78.3	117.5
160	54.3	33.8	50.6#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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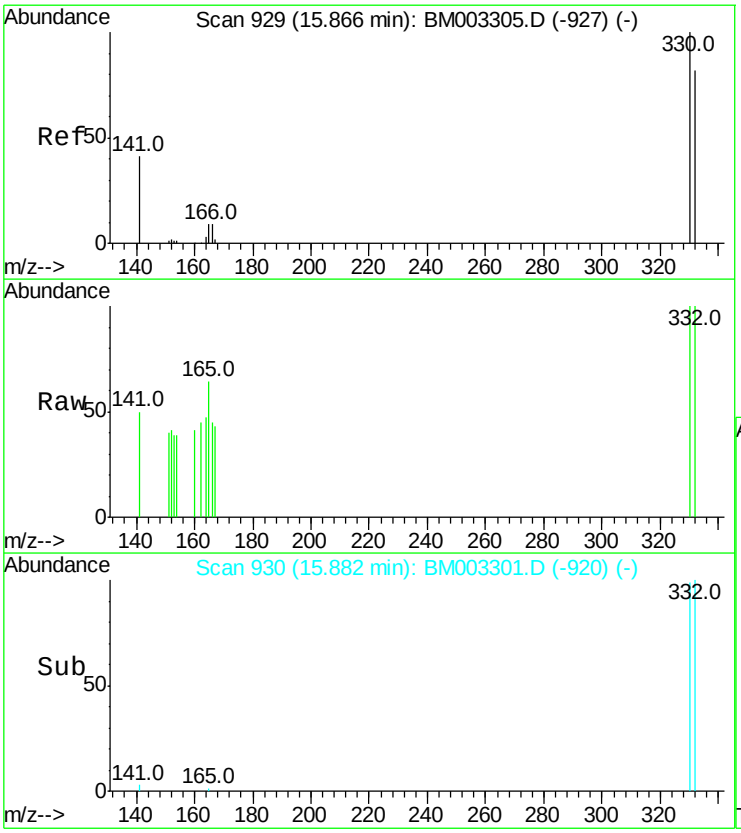
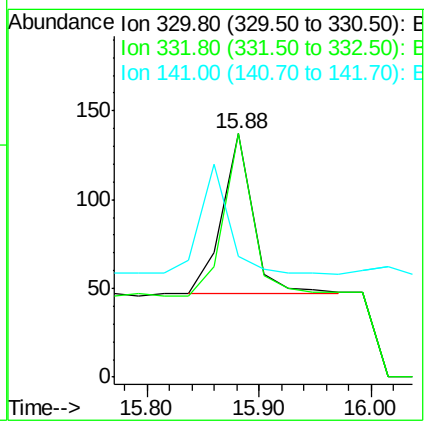
11/30/2015 5:45:37 PM

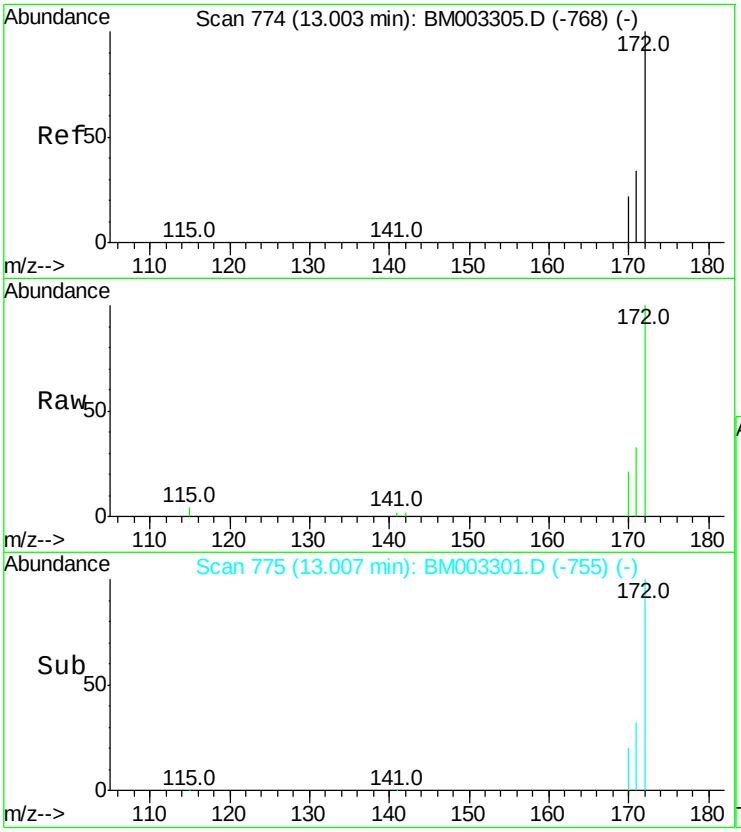


#14
2,4,6-Tribromophenol
Concen: 0.10 ng
RT: 15.88 min Scan# 930
Delta R.T. 0.02 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:330 Resp: 173

Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.0	114.0
141	0.0	0.0	0.0

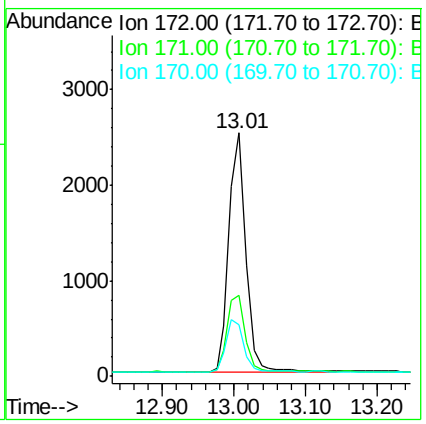




#15
2-Fluorobiphenyl
Concen: 0.10 ng
RT: 13.01 min Scan# 775
Delta R.T. 0.00 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

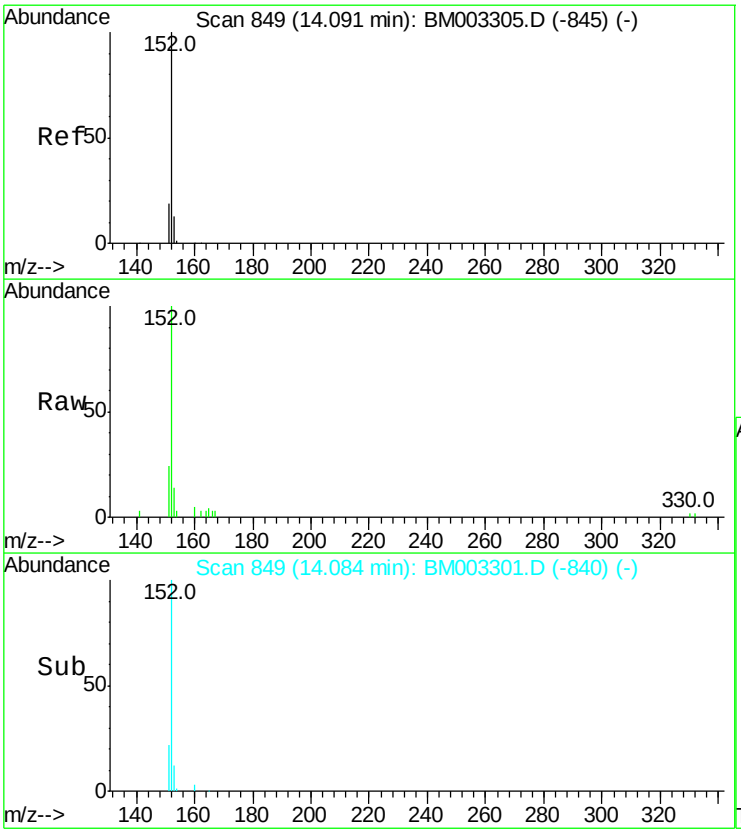
Tgt Ion:172 Resp: 4090

Ion	Ratio	Lower	Upper
172	100		
171	33.2	28.0	42.0
170	21.4	18.9	28.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

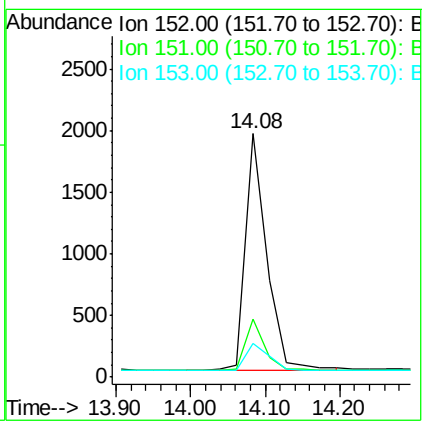
Manual Integrations APPROVED
Mmdadoda
11/30/2015 5:45:37 PM

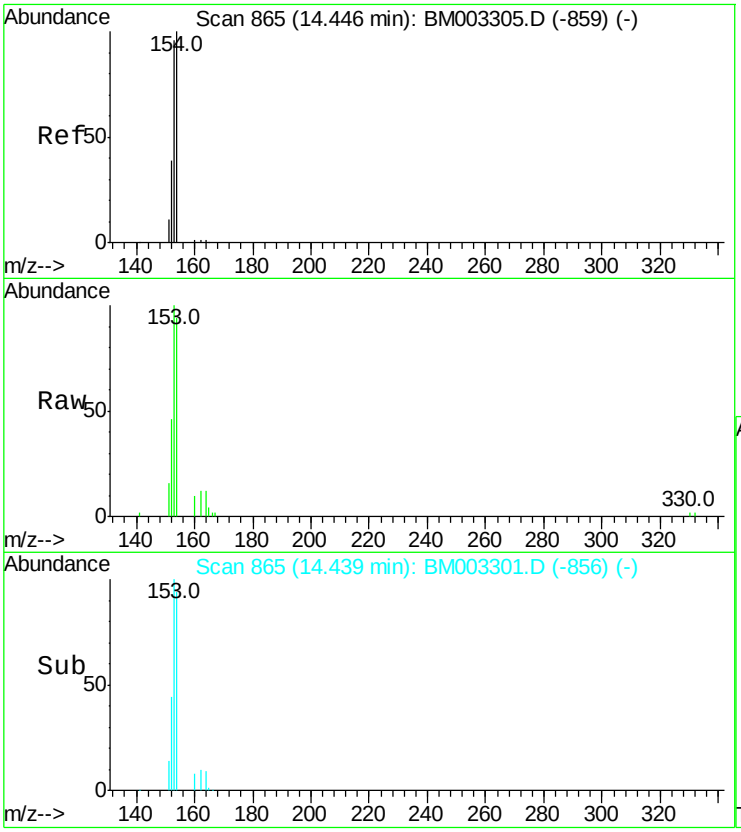


#16
Acenaphthylene
Concen: 0.10 ng
RT: 14.08 min Scan# 849
Delta R.T. -0.01 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:152 Resp: 3797

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.2	22.8
153	12.9	10.4	15.6

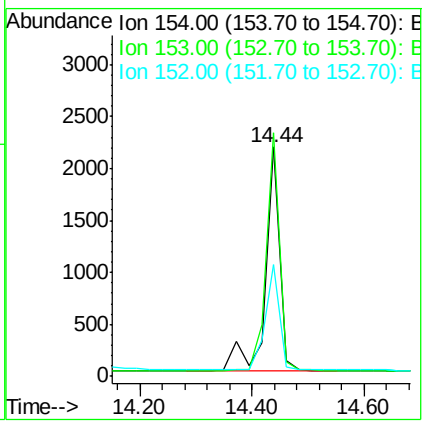




#17
Acenaphthene
Concen: 0.10 ng
RT: 14.44 min Scan# 865
Delta R.T. -0.01 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:154 Resp: 3874

Ion	Ratio	Lower	Upper
154	100		
153	98.8	0.0	0.0#
152	46.1	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

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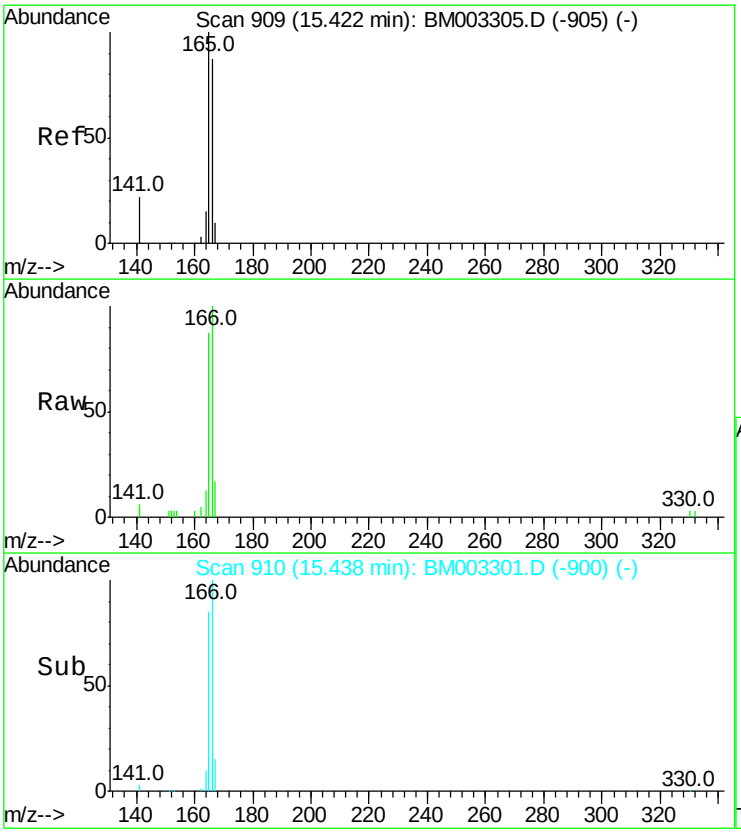
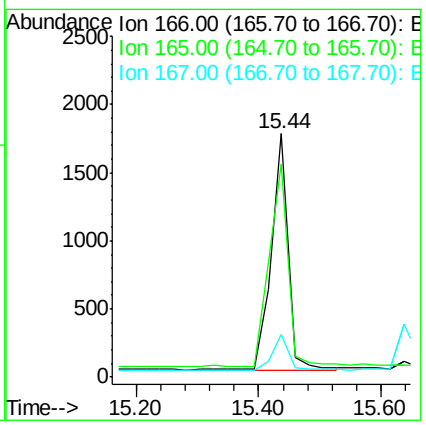
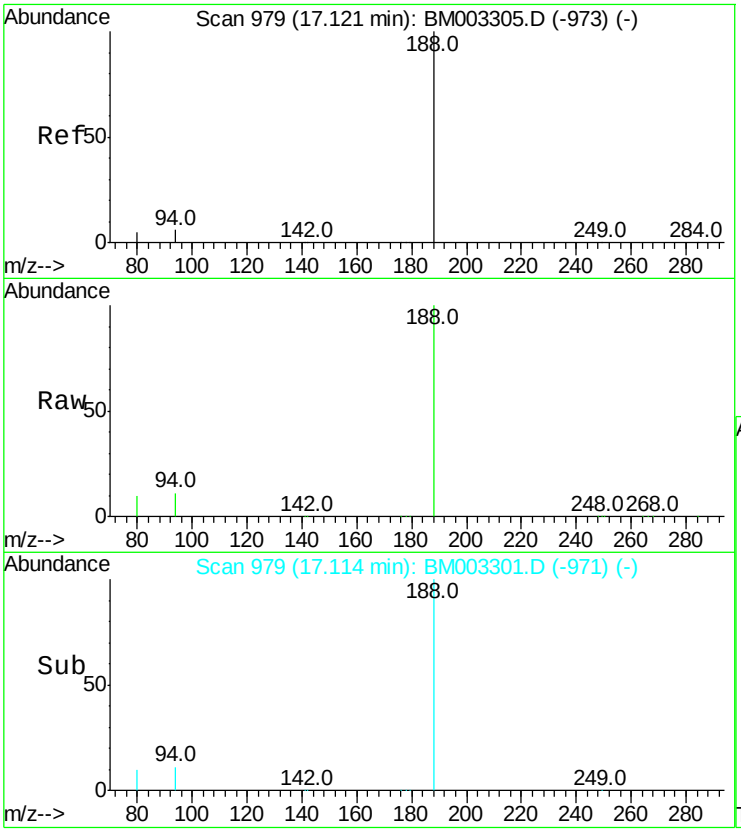


#18
Fluorene
Concen: 0.10 ng
RT: 15.44 min Scan# 910
Delta R.T. 0.02 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:166 Resp: 3297

Ion	Ratio	Lower	Upper
166	100		
165	96.1	80.8	121.2
167	13.9	10.5	15.7

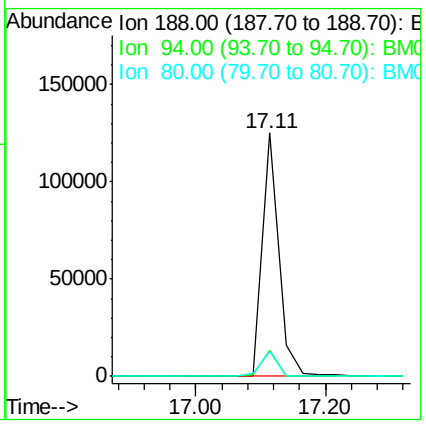




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.11 min Scan# 979
Delta R.T. -0.01 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:188 Resp: 221227

Ion	Ratio	Lower	Upper
188	100		
94	10.8	1.8	2.6#
80	10.3	1.4	2.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

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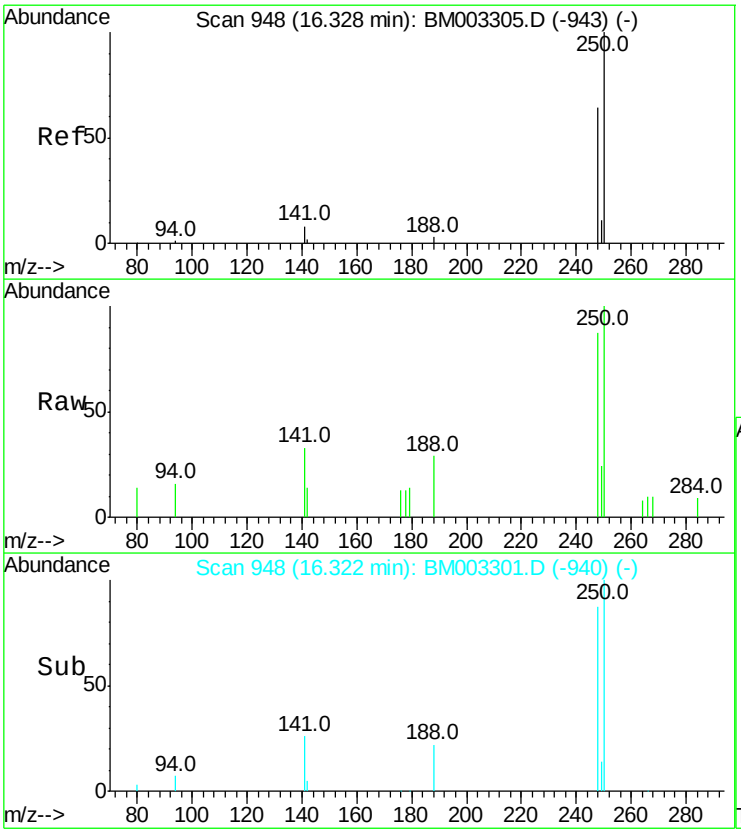
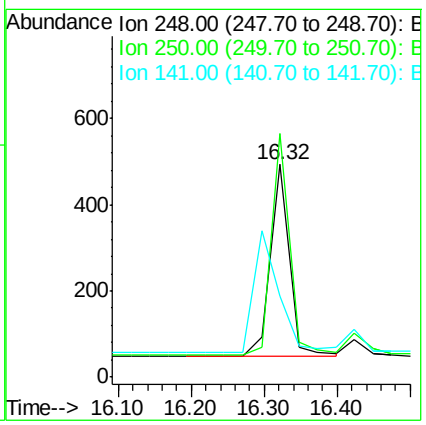
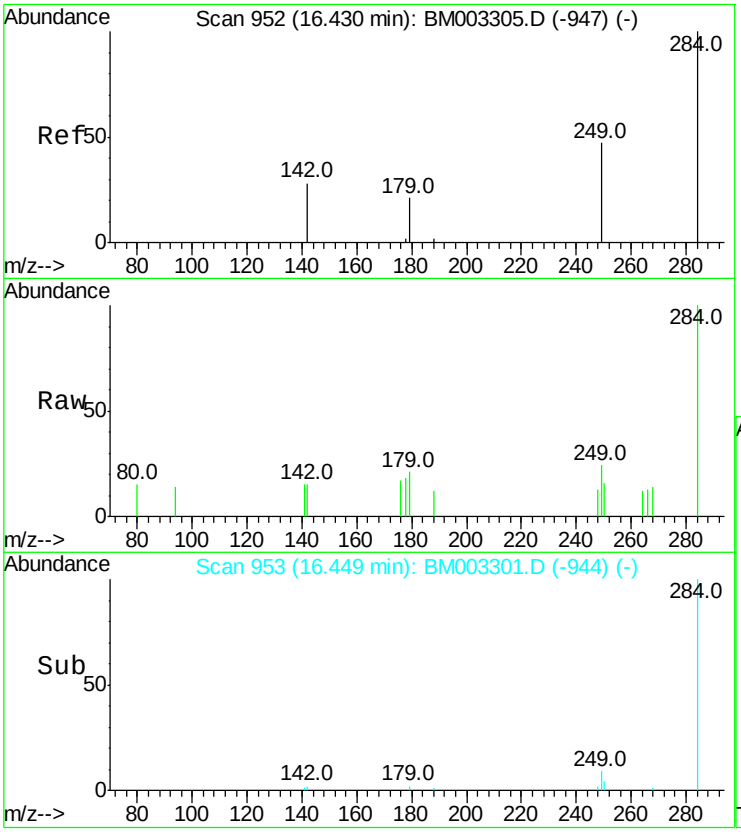


#20
4-Bromophenyl-phenylether
Concen: 0.10 ng
RT: 16.32 min Scan# 948
Delta R.T. -0.01 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:248 Resp: 813

Ion	Ratio	Lower	Upper
248	100		
250	109.0	65.4	98.0#
141	0.0	72.8	109.2#

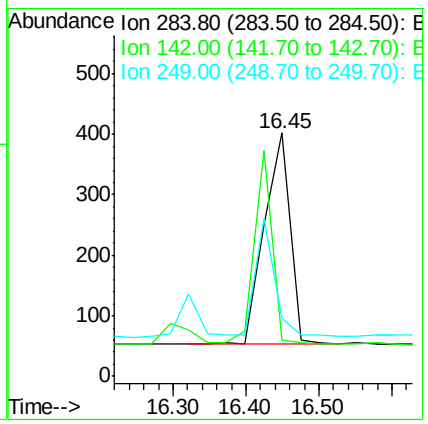




#21
Hexachlorobenzene
Concen: 0.10 ng
RT: 16.45 min Scan# 953
Delta R.T. 0.02 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:284 Resp: 859

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



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

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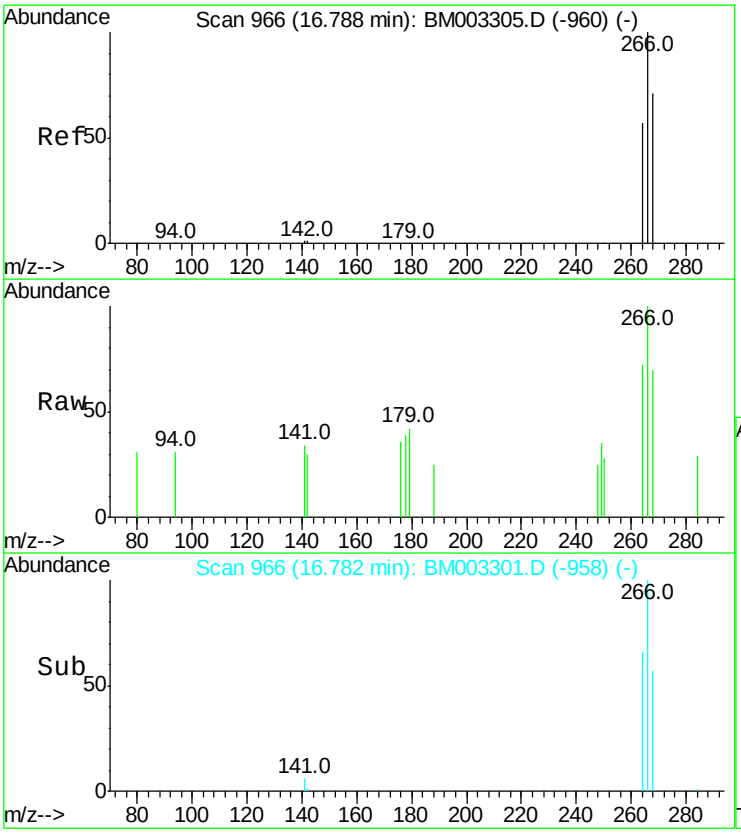
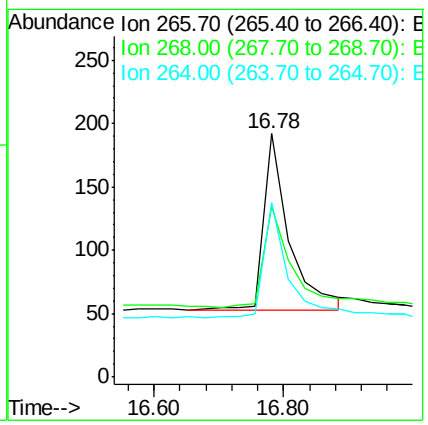
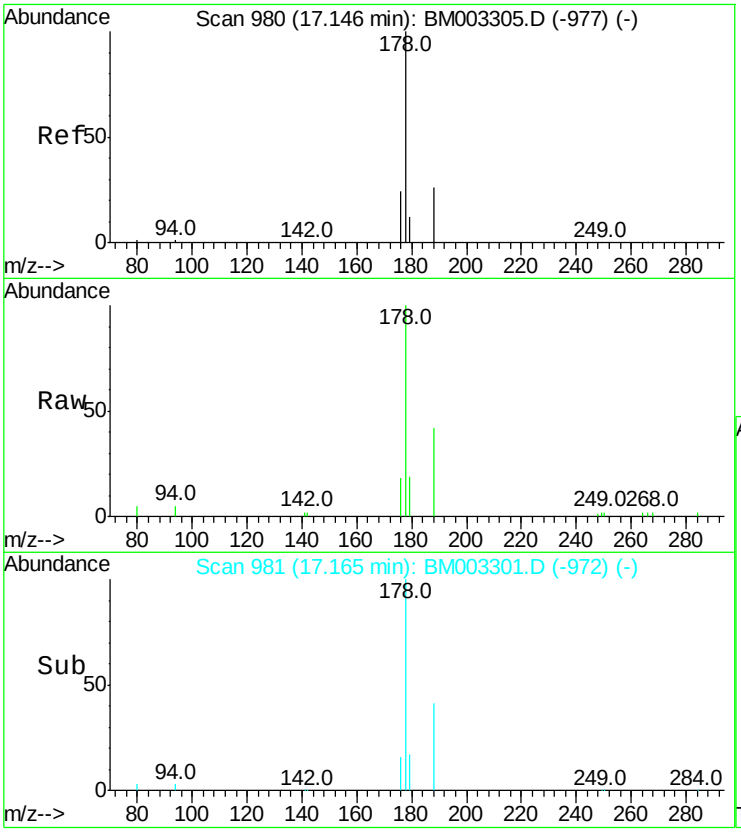


#22
Pentachlorophenol
Concen: 0.12 ng
RT: 16.78 min Scan# 966
Delta R.T. -0.01 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:266 Resp: 377

Ion	Ratio	Lower	Upper
266	100		
268	70.3	45.8	68.8#
264	71.9	56.7	85.1

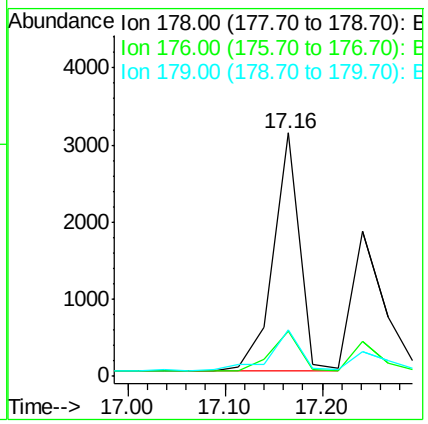




#23
Phenanthrene
Concen: 0.10 ng
RT: 17.16 min Scan# 981
Delta R.T. 0.02 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:178 Resp: 5853

Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.9	23.9
179	19.0	11.7	17.5#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

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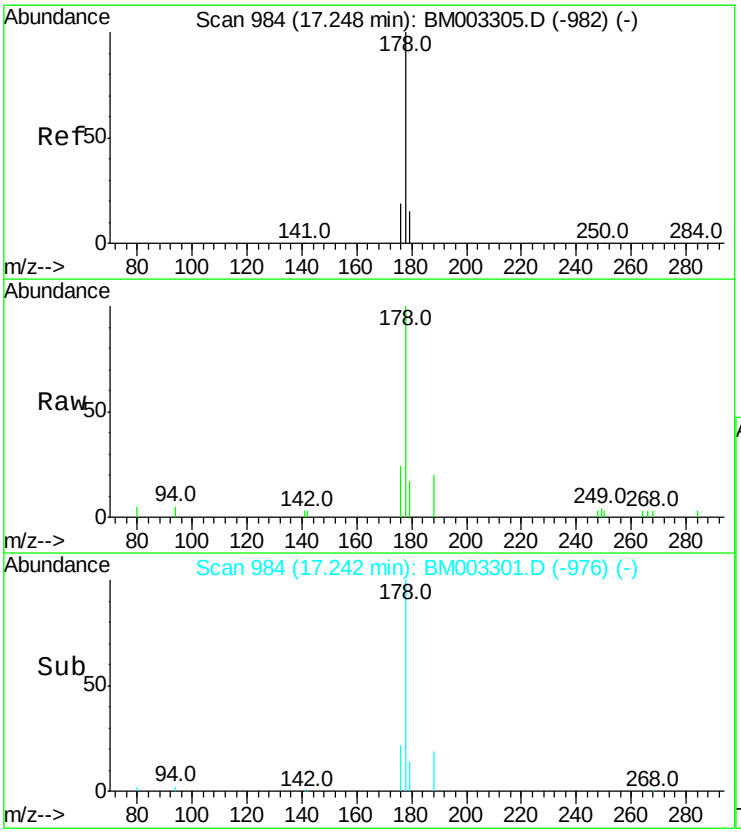
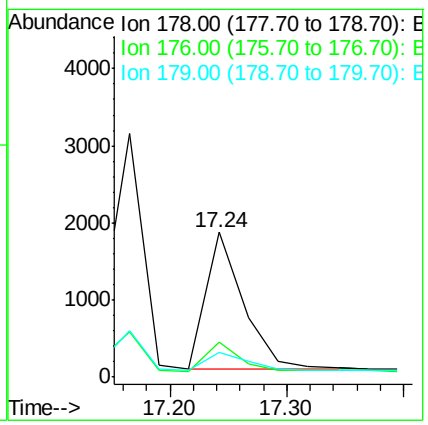
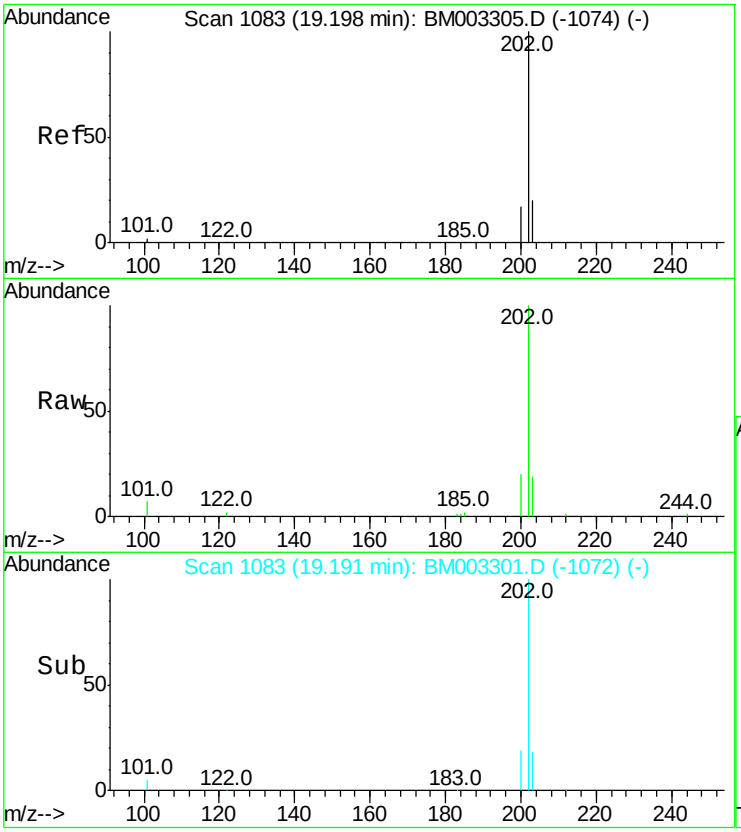


#24
Anthracene
Concen: 0.10 ng
RT: 17.24 min Scan# 984
Delta R.T. -0.01 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:178 Resp: 3963

Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.1	21.1
179	15.3	12.8	19.2

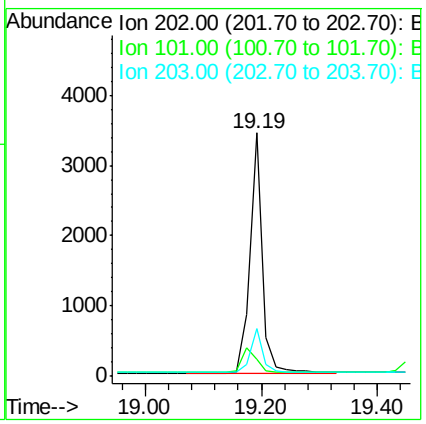




#25
Fluoranthene
Concen: 0.10 ng
RT: 19.19 min Scan# 1083
Delta R.T. -0.01 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:202 Resp: 5116

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.9	14.9
203	17.6	13.9	20.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

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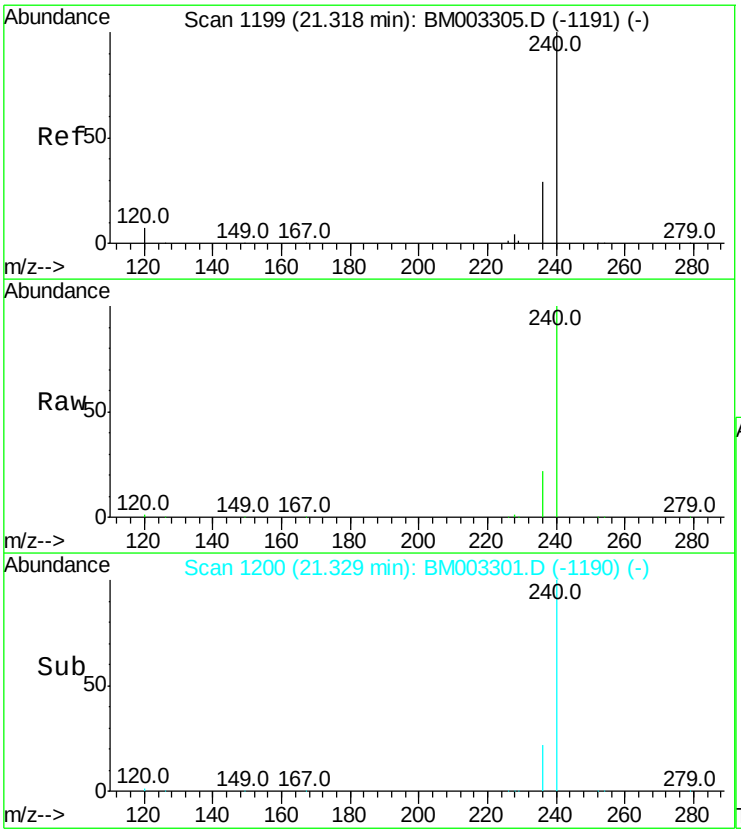
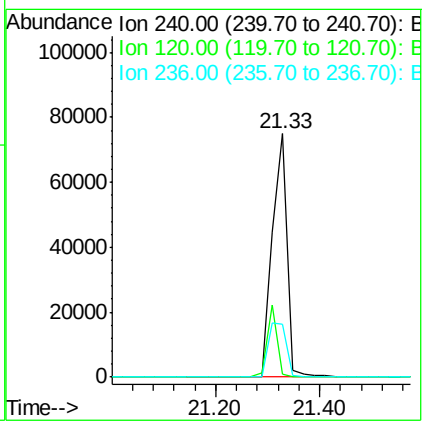
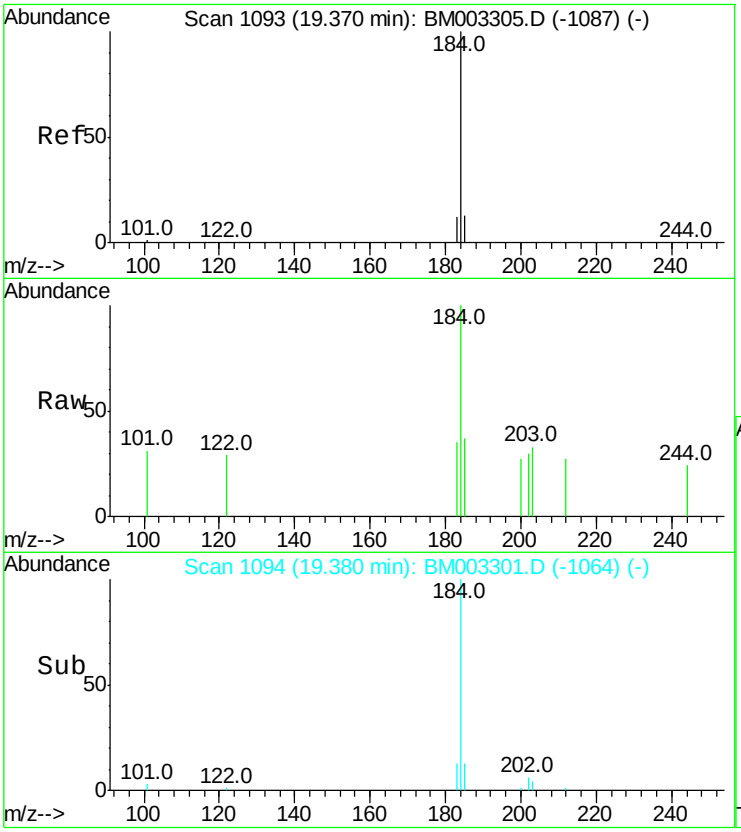


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.33 min Scan# 1200
Delta R.T. 0.01 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:240 Resp: 152467

Ion	Ratio	Lower	Upper
240	100		
120	1.4	1.0	1.4#
236	21.9	17.9	26.9

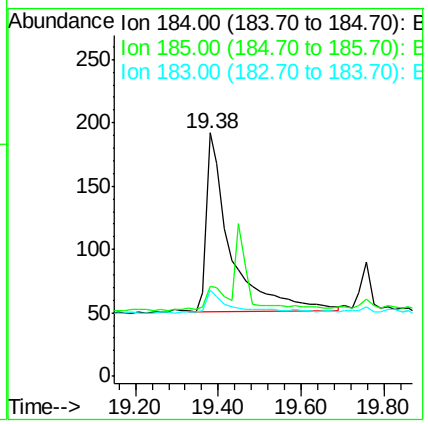




#27
Benzidine
Concen: 0.10 ng
RT: 19.38 min Scan# 1094
Delta R.T. 0.01 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:184 Resp: 565

Ion	Ratio	Lower	Upper
184	100		
185	37.0	11.6	17.4#
183	35.4	8.6	13.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

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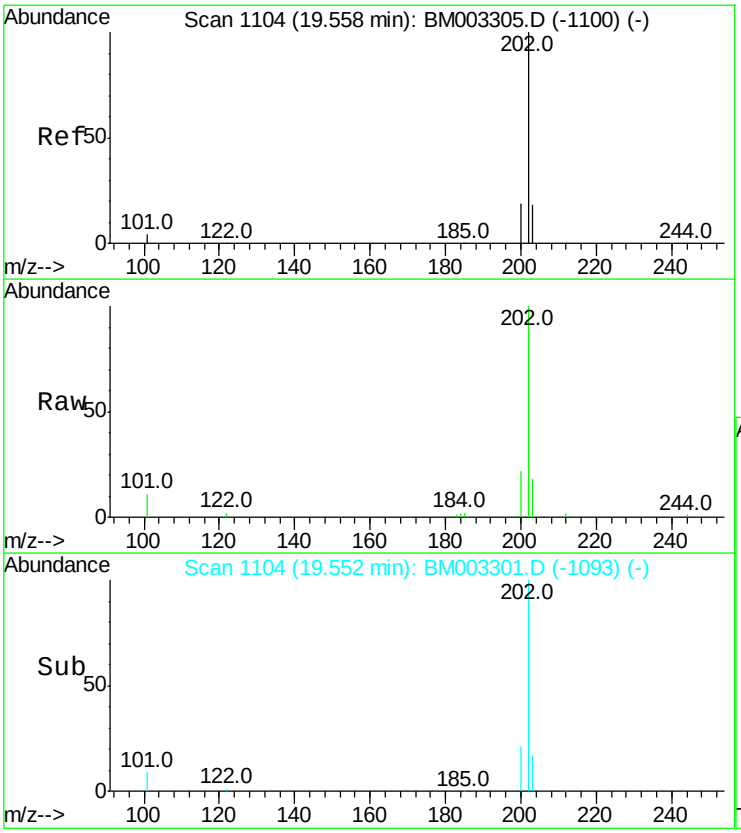
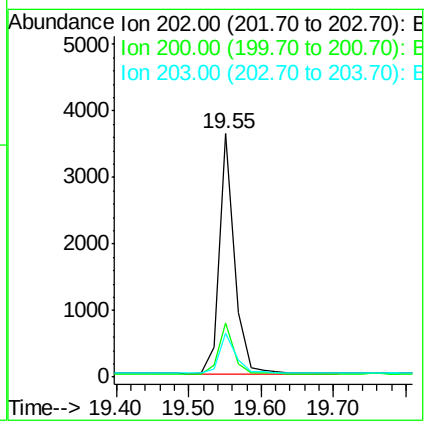
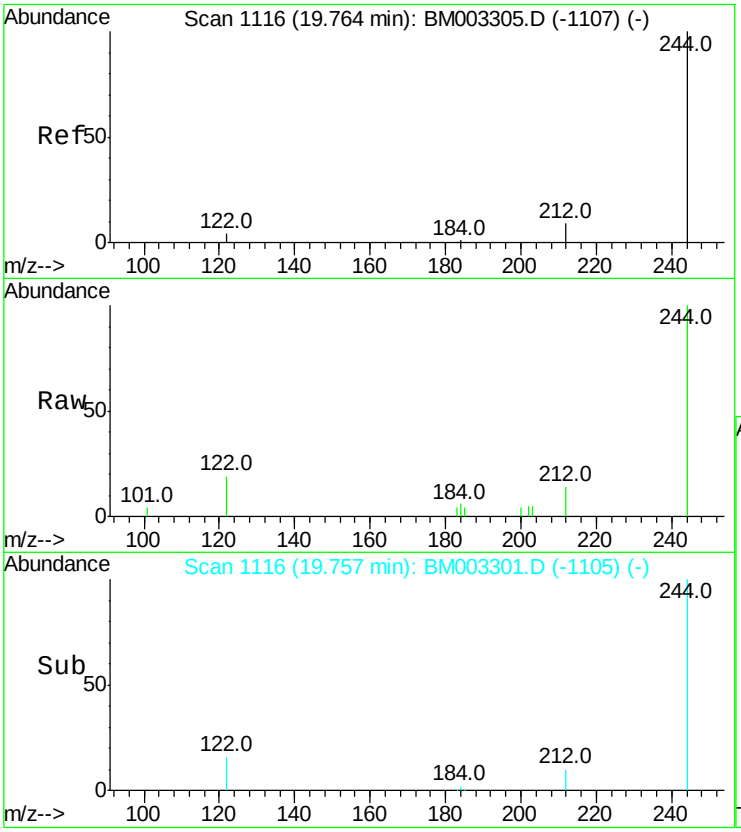


#28
Pyrene
Concen: 0.10 ng
RT: 19.55 min Scan# 1104
Delta R.T. -0.01 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:202 Resp: 5257

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	18.3	13.8	20.6





#29
Terphenyl-d14
Concen: 0.10 ng
RT: 19.76 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:244 Resp: 2392

Ion	Ratio	Lower	Upper
244	100		
212	13.7	6.5	9.7#
122	19.4	2.0	3.0#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

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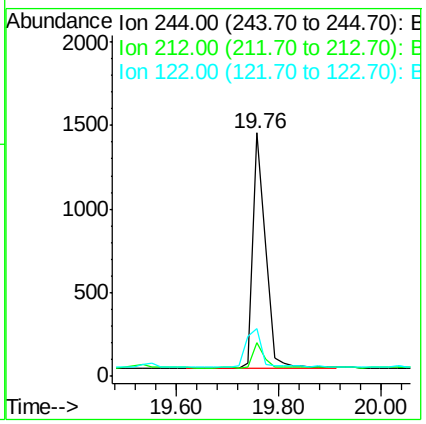
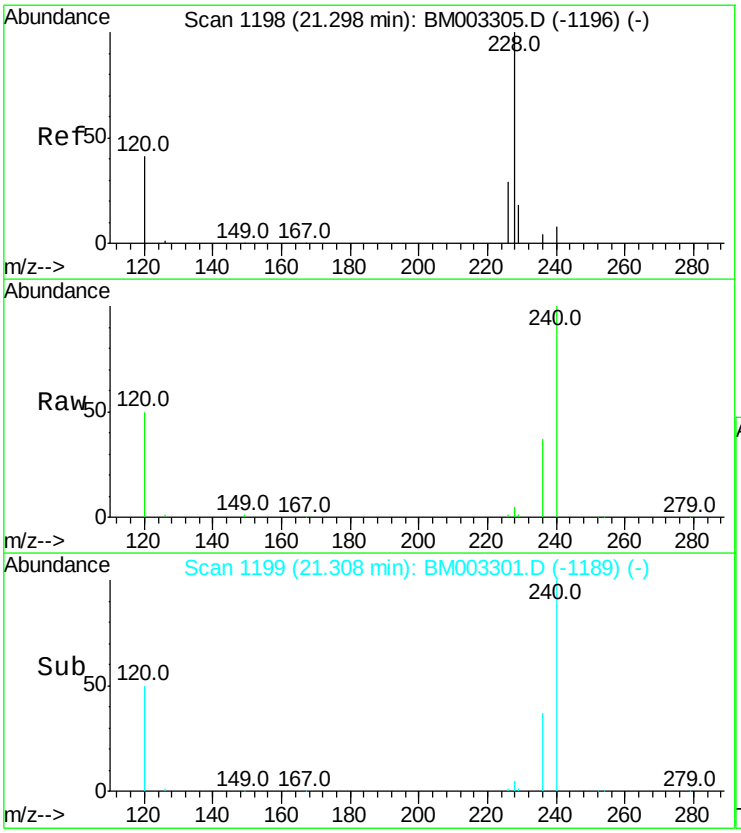
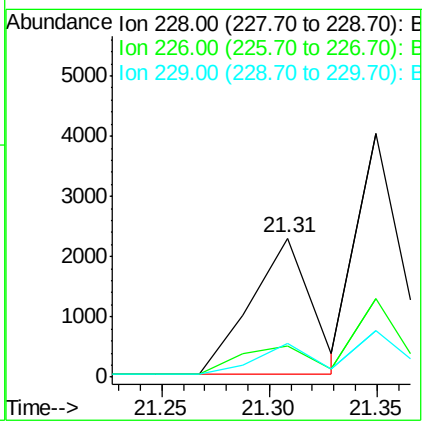


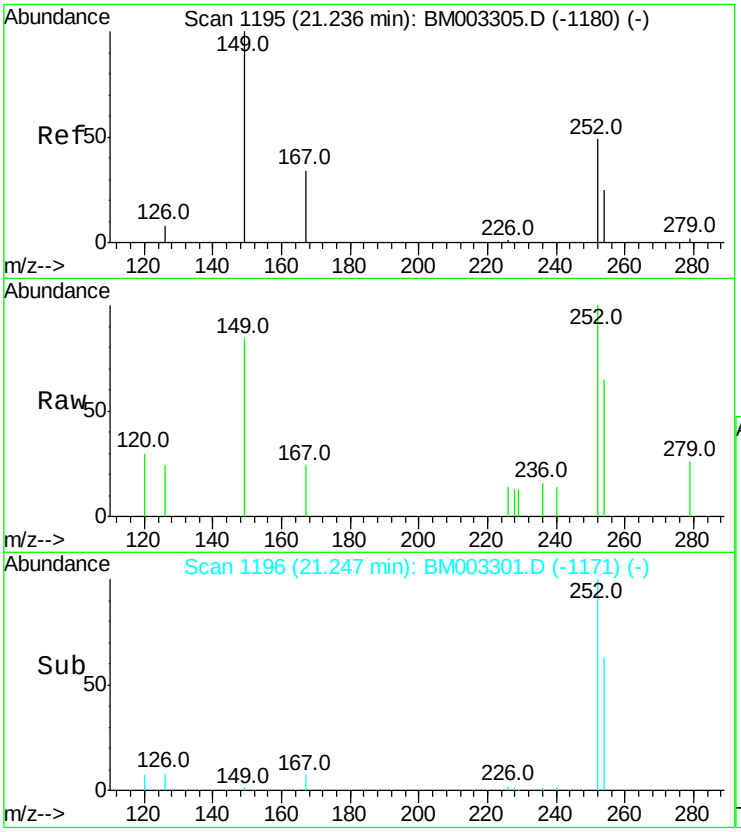


#30
Benzo(a)anthracene
Concen: 0.10 ng m
RT: 21.31 min Scan# 1199
Delta R.T. 0.01 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:228 Resp: 4408

Ion	Ratio	Lower	Upper
228	100		
226	22.6	17.8	26.6
229	24.1	18.0	27.0

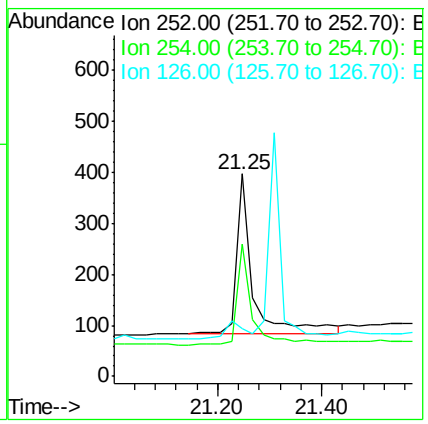




#31
3,3'-Dichlorobenzidine
Concen: 0.10 ng
RT: 21.25 min Scan# 1196
Delta R.T. 0.01 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:252 Resp: 699

Ion	Ratio	Lower	Upper
252	100		
254	65.2	53.7	80.5
126	23.7	2.8	4.2#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

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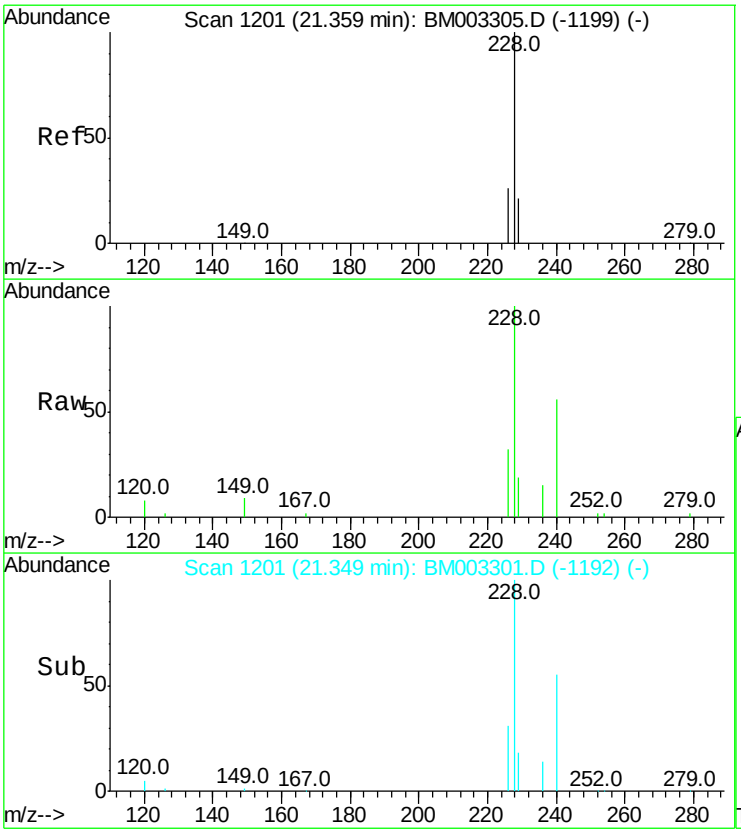
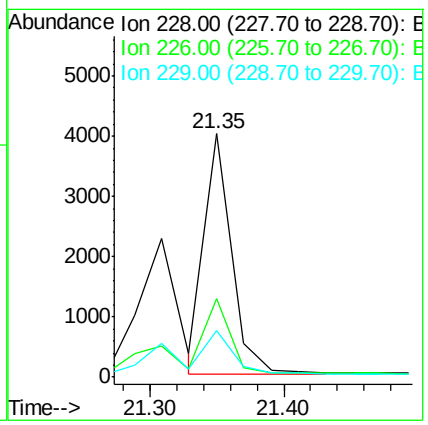
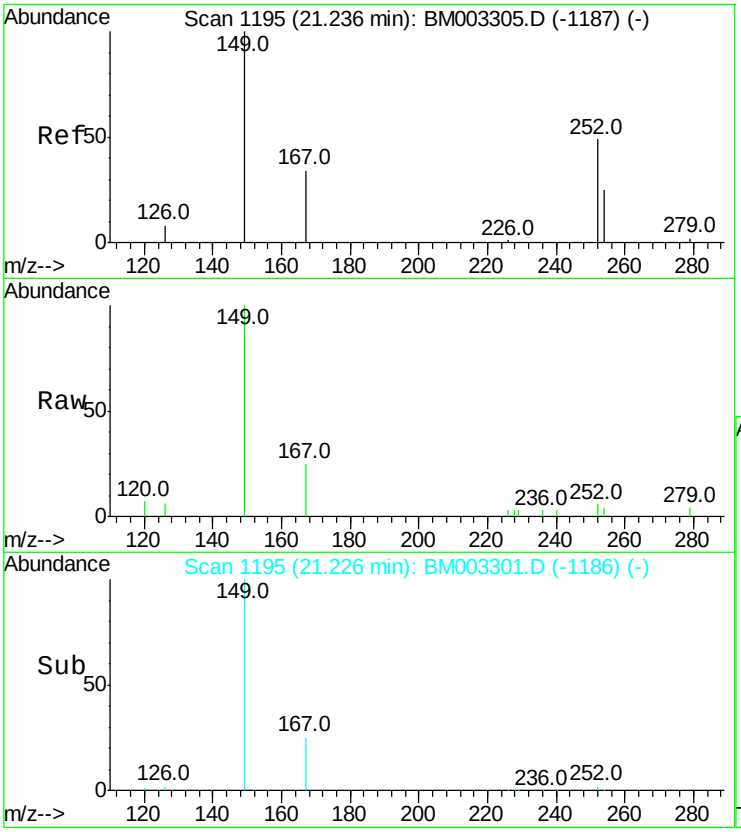


#32
Chrysene
Concen: 0.10 ng m
RT: 21.35 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:228 Resp: 5728

Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.5	38.3
229	19.2	14.3	21.5





#33
Bis(2-ethylhexyl)phthalate
Concen: 0.11 ng
RT: 21.23 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:149 Resp: 2026

Ion	Ratio	Lower	Upper
149	100		
167	24.8	19.6	29.4
279	0.0	0.0	0.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

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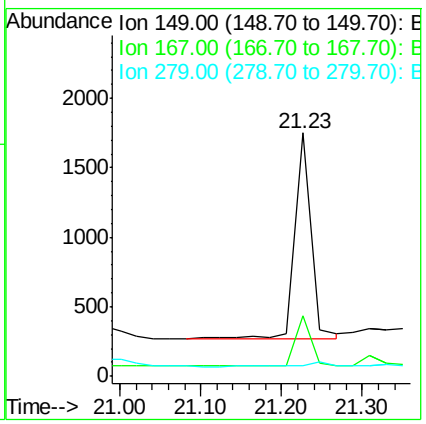
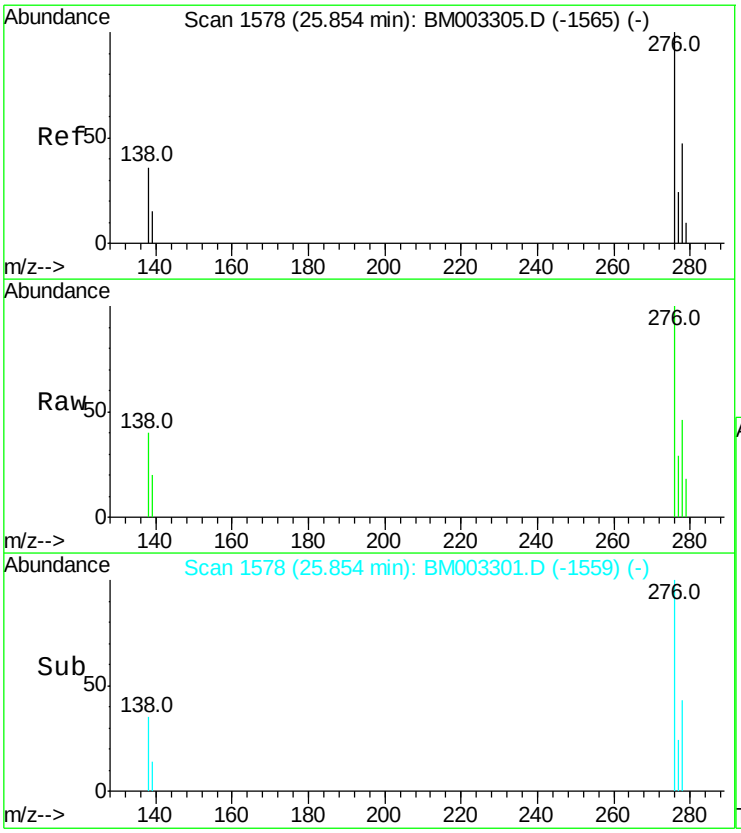
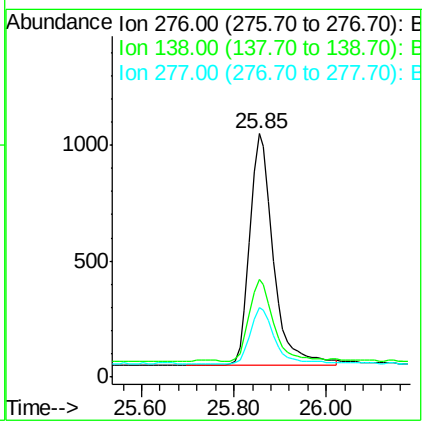


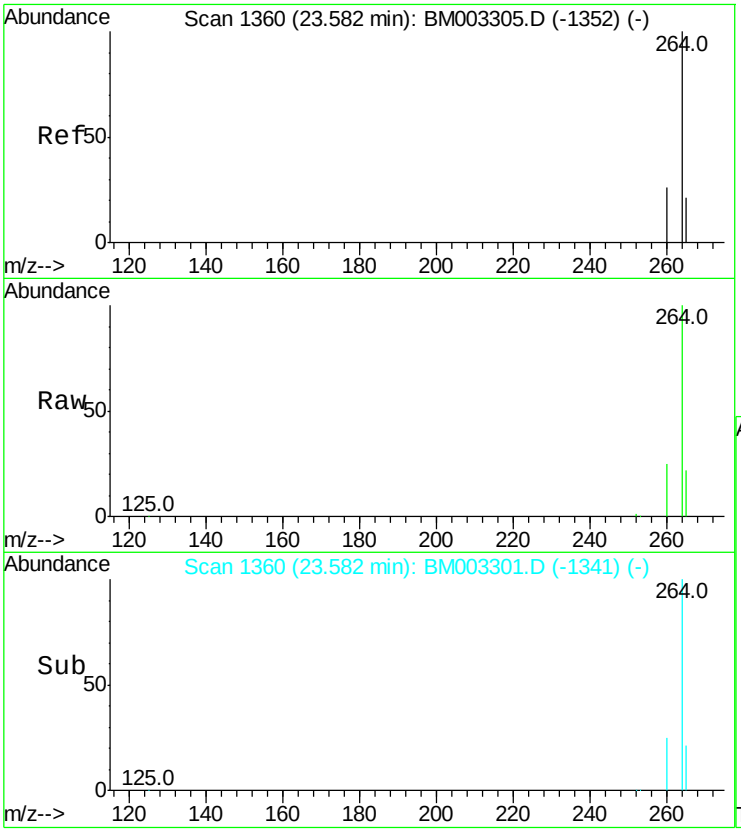


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.10 ng
RT: 25.85 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:276 Resp: 3590

Ion	Ratio	Lower	Upper
276	100		
138	36.1	19.1	28.7#
277	24.8	15.9	23.9#





#35
Perylene-d12
Concen: 5.00 ng
RT: 23.58 min Scan# 1360
Delta R.T. -0.00 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:264 Resp: 143505

Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.6	29.4
265	21.7	18.4	27.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
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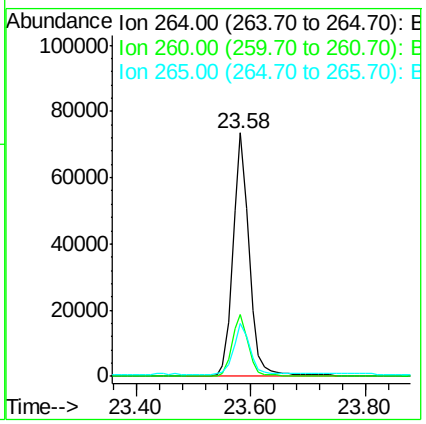
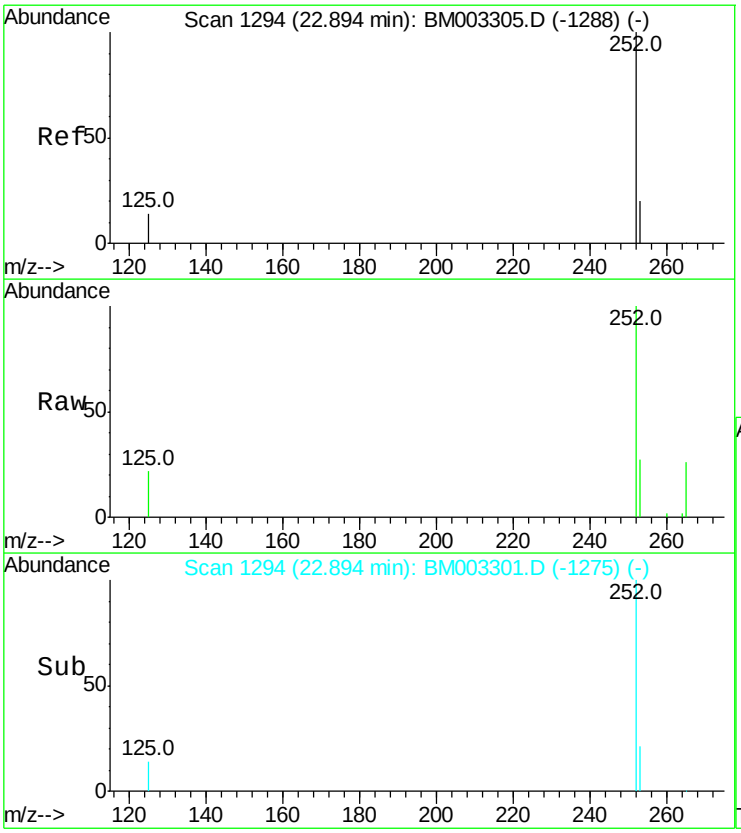
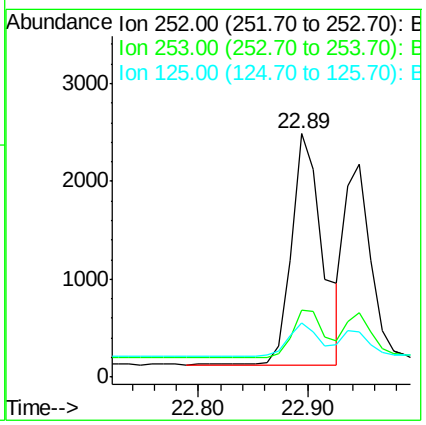


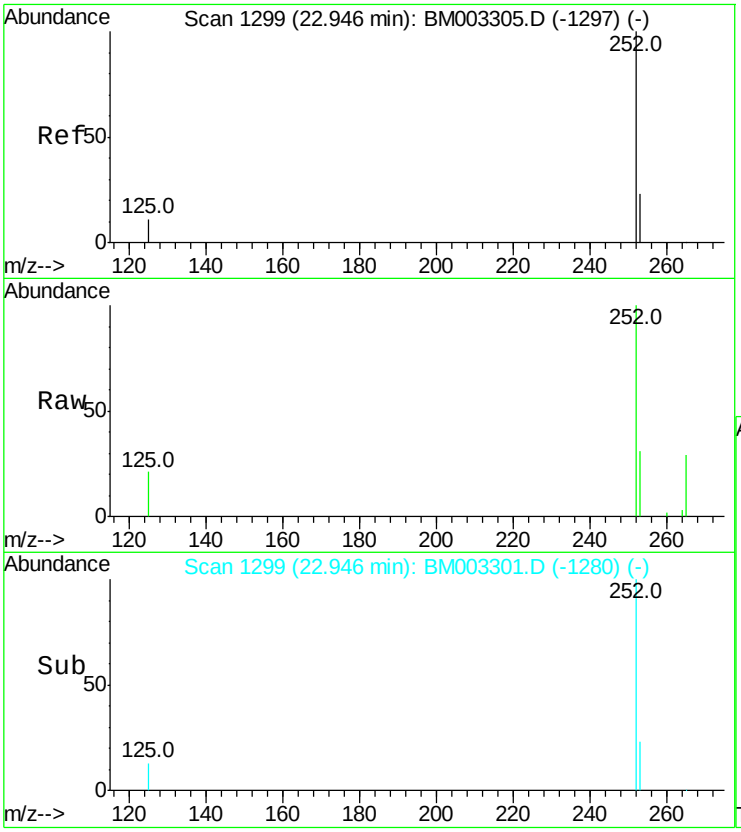


#36
Benzo(b)fluoranthene
Concen: 0.11 ng
RT: 22.89 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:252 Resp: 4606

Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.2	27.4#
125	22.3	10.3	15.5#

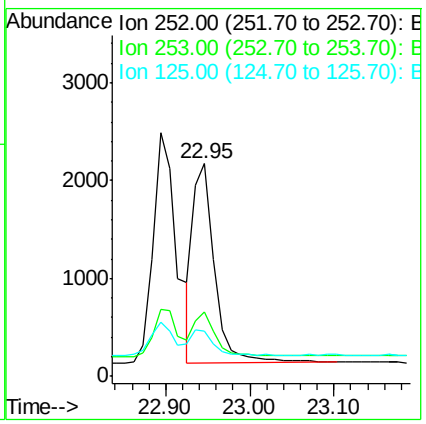




#37
Benzo(k)fluoranthene
Concen: 0.08 ng
RT: 22.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

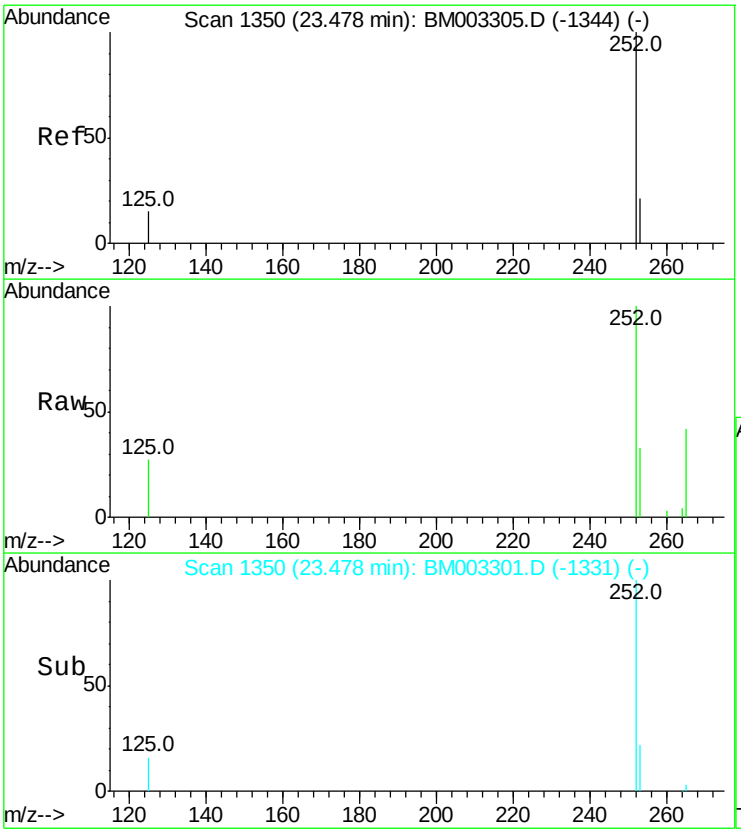
Tgt Ion:252 Resp: 3548

Ion	Ratio	Lower	Upper
252	100		
253	30.5	17.5	26.3#
125	21.5	10.7	16.1#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

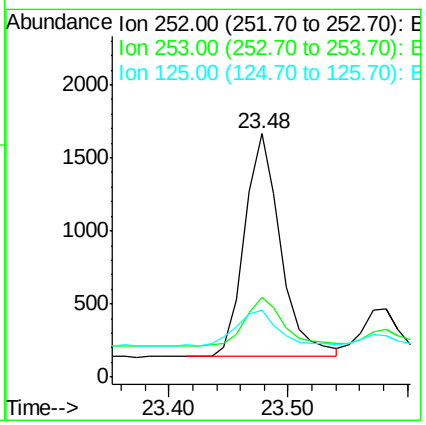
Manual Integrations APPROVED
Mmdadoda
11/30/2015 5:45:37 PM

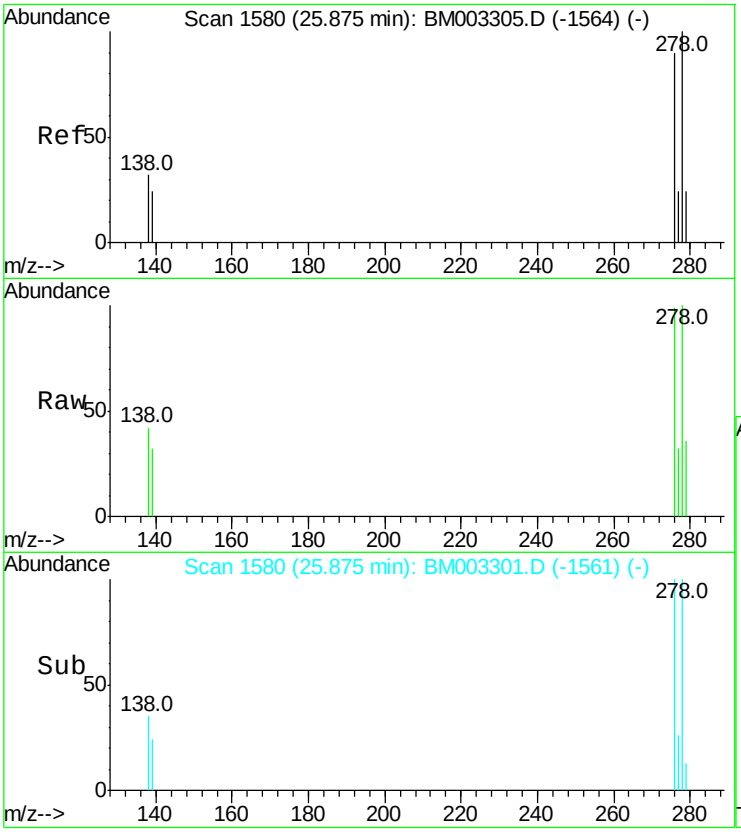


#38
Benzo(a)pyrene
Concen: 0.10 ng
RT: 23.48 min Scan# 1350
Delta R.T. -0.00 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:252 Resp: 3208

Ion	Ratio	Lower	Upper
252	100		
253	33.0	18.7	28.1#
125	27.3	11.6	17.4#

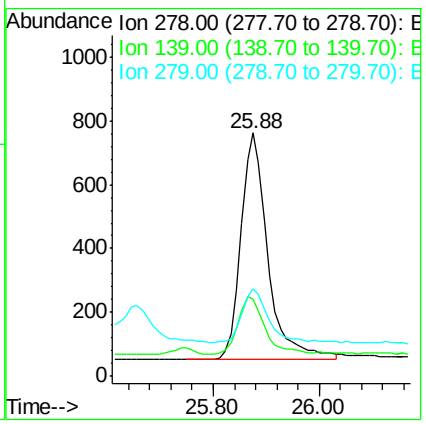




#39
Dibenzo(a,h)anthracene
Concen: 0.10 ng
RT: 25.88 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

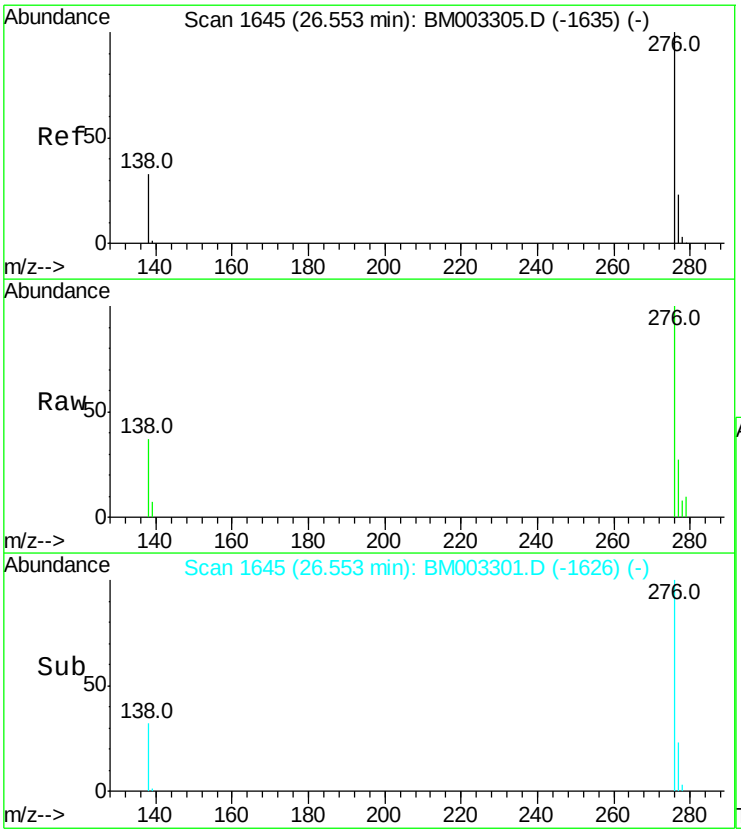
Tgt Ion:278 Resp: 2509

Ion	Ratio	Lower	Upper
278	100		
139	31.6	18.2	27.4#
279	36.0	18.8	28.2#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
Mmdadoda
11/30/2015 5:45:37 PM



#40
Benzo(g,h,i)perylene
Concen: 0.10 ng
RT: 26.55 min Scan# 1645
Delta R.T. -0.00 min
Lab File: BM003301.D
Acq: 27 Nov 2015 11:13

Tgt Ion:276 Resp: 3621

Ion	Ratio	Lower	Upper
276	100		
277	27.3	19.0	28.6
138	37.2	22.3	33.5#