Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100815\
Data File : BM002868.D
Acq On : 08 Oct 2015 17:56
Operator : UM/IZ
Sample : SSTDICC0.5
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
MMdadoda
10/9/2015 1:48:23 PM

Quant Time: Oct 09 02:04:41 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM100815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 09 00:55:43 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.68	152	42121	5.00	ng		0.00
7) Naphthalene-d8	11.52	136	171569	5.00	ng		0.00
13) Acenaphthene-d10	15.25	164	92199	5.00	ng		0.00
19) Phenanthrene-d10	17.95	188	195148	5.00	ng		0.00
26) Chrysene-d12	22.06	240	274646	5.00	ng		0.00
35) Perylene-d12	24.64	264	273624	5.00	ng		0.01
System Monitoring Compounds							
4) 2-Fluorophenol	6.18	112	4399m	0.50	ng		0.03
5) Phenol-d6	7.82	99	5045	0.46	ng		0.02
8) Nitrobenzene-d5	9.89	82	4086	0.44	ng		0.02
14) 2,4,6-Tribromophenol	16.74	330	1457	0.49	ng		0.00
15) 2-Fluorobiphenyl	13.90	172	13802	0.54	ng		0.00
29) Terphenyl-d14	20.50	244	16927	0.48	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.78	88	2100	0.29	ng		97
3) n-Nitrosodimethylamine	4.19	42	1568	0.22	ng		97
6) bis(2-Chloroethyl)ether	8.08	93	5219m	0.42	ng		
9) Nitrobenzene	9.94	77	4218	0.43	ng		99
10) Naphthalene	11.57	128	18691	0.50	ng		99
11) Hexachlorobutadiene	11.81	225	2948	0.48	ng		99
12) 2-Methylnaphthalene	13.14	142	12229	0.55	ng		93
16) Acenaphthylene	14.99	152	18633	0.13	ng		100
17) Acenaphthene	15.32	154	12291	0.50	ng	#	100
18) Fluorene	16.30	166	15404	0.50	ng		100
20) 4-Bromophenyl-phenylether	17.13	248	4409m	0.57	ng		
21) Hexachlorobenzene	17.29	284	5755	0.17	ng	#	99
22) Pentachlorophenol	17.67	266	337m	0.13	ng		
23) Phenanthrene	18.00	178	28825	0.57	ng		100
24) Anthracene	18.10	178	24403	0.54	ng		99
25) Fluoranthene	19.99	202	31408	0.52	ng		99
27) Benzidine	20.14	184	15907	1.62	ng		97
28) Pyrene	20.33	202	33734	0.47	ng		100
30) Benzo(a)anthracene	22.04	228	37410m	0.56	ng		
31) 3,3'-Dichlorobenzidine	21.95	252	14632	1.07	ng	#	93
32) Chrysene	22.10	228	37015m	0.45	ng		
33) Bis(2-ethylhexyl)phthalate	21.87	149	20573	0.67	ng	#	87
34) Indeno(1,2,3-cd)pyrene	27.36	276	43060	0.61	ng		100
36) Benzo(b)fluoranthene	23.84	252	37240	0.59	ng		97
37) Benzo(k)fluoranthene	23.90	252	38089	0.46	ng		98
38) Benzo(a)pyrene	24.52	252	35213	0.60	ng		98
39) Dibenzo(a,h)anthracene	27.35	278	34415	0.59	ng		99
40) Benzo(g,h,i)perylene	28.20	276	35734	0.57	ng		98

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

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Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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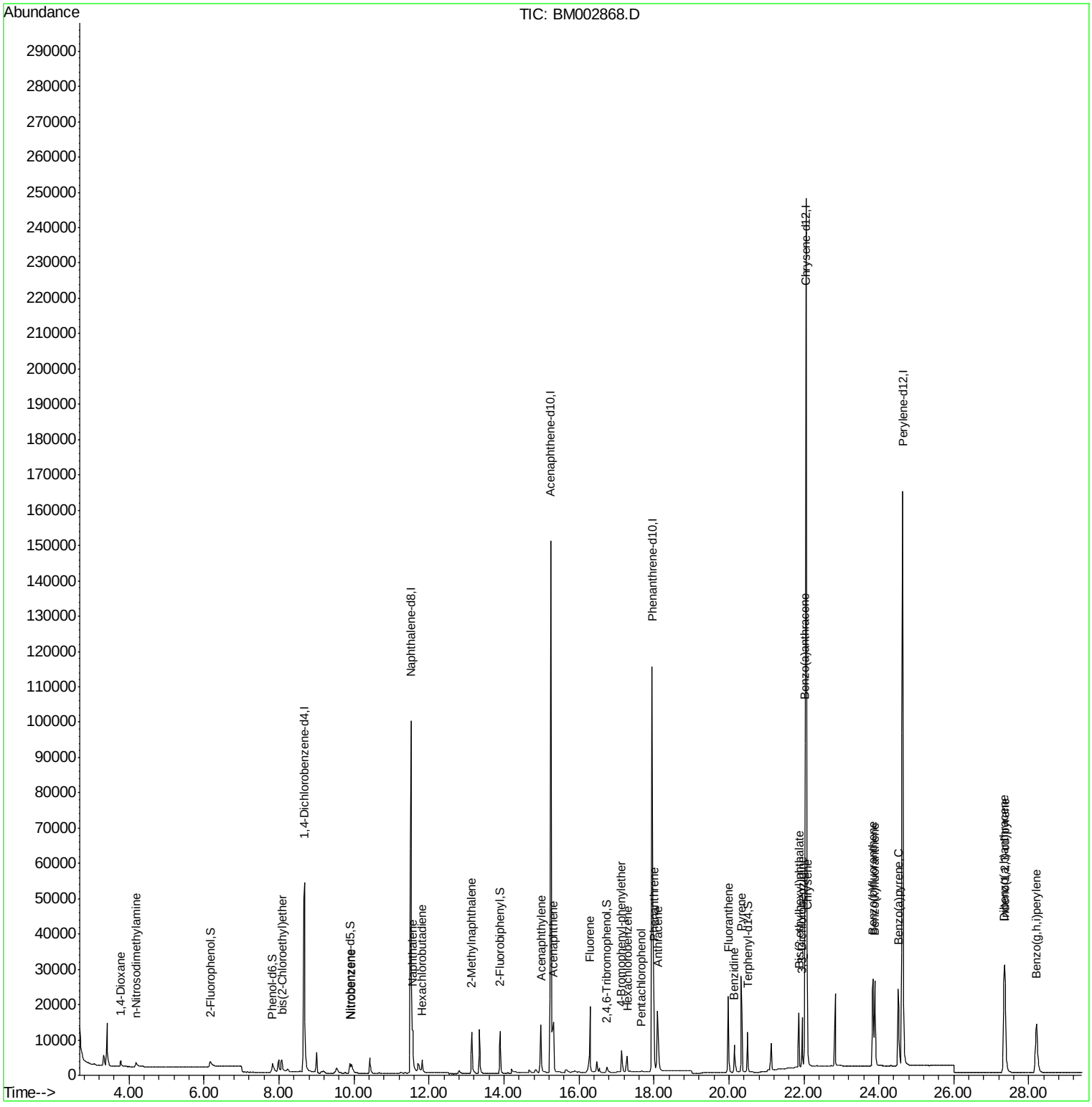
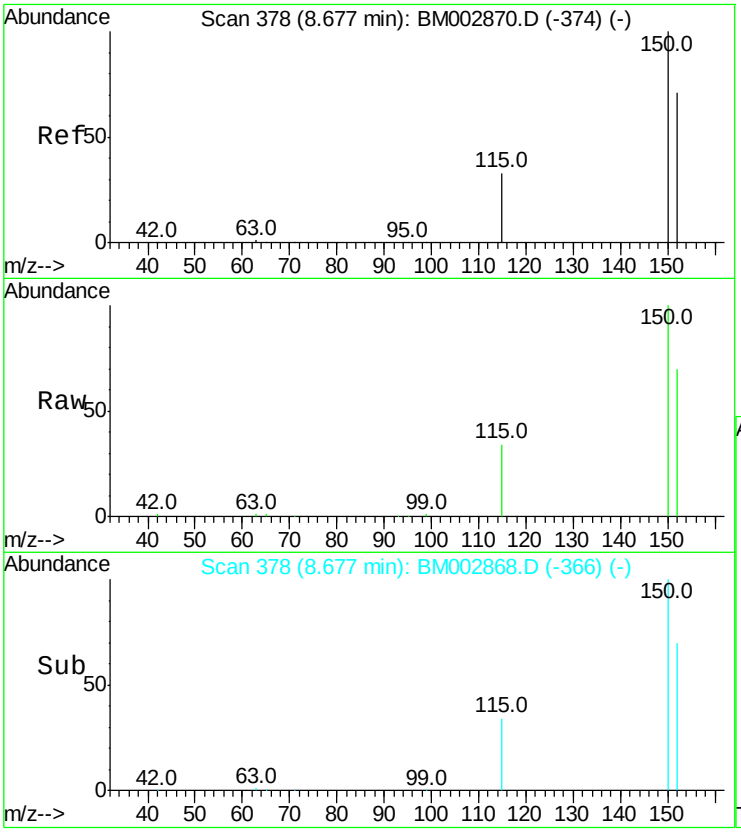
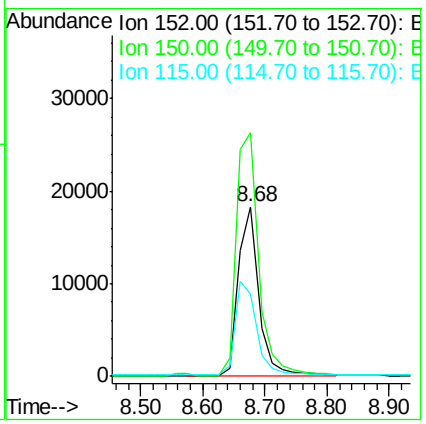




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.68 min Scan# 378
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:152 Resp: 42121

Ion	Ratio	Lower	Upper
152	100		
150	143.6	113.0	169.6
115	48.9	37.9	56.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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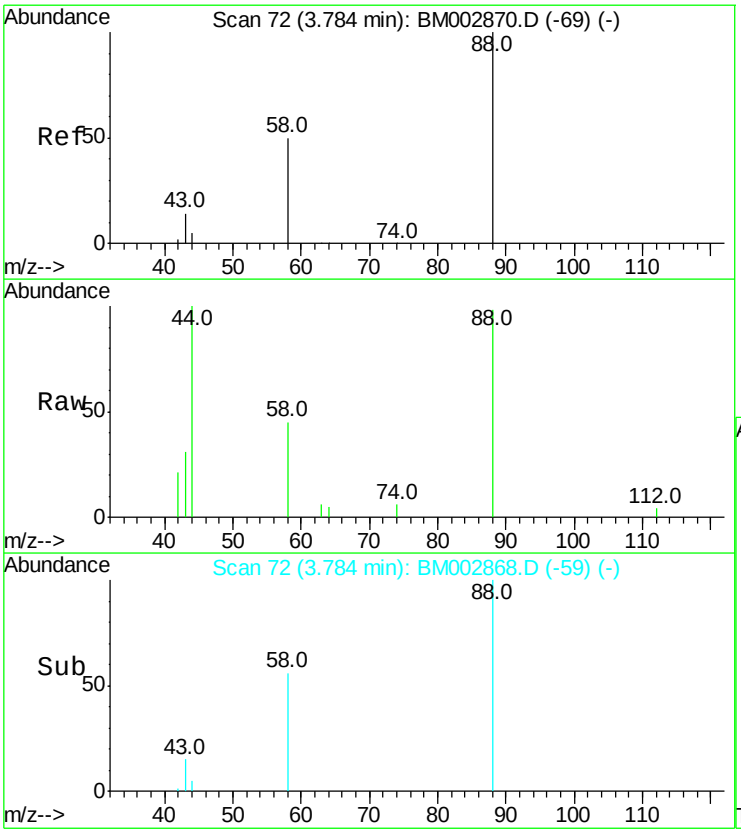
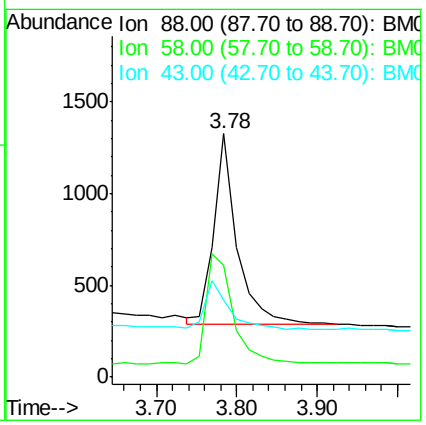
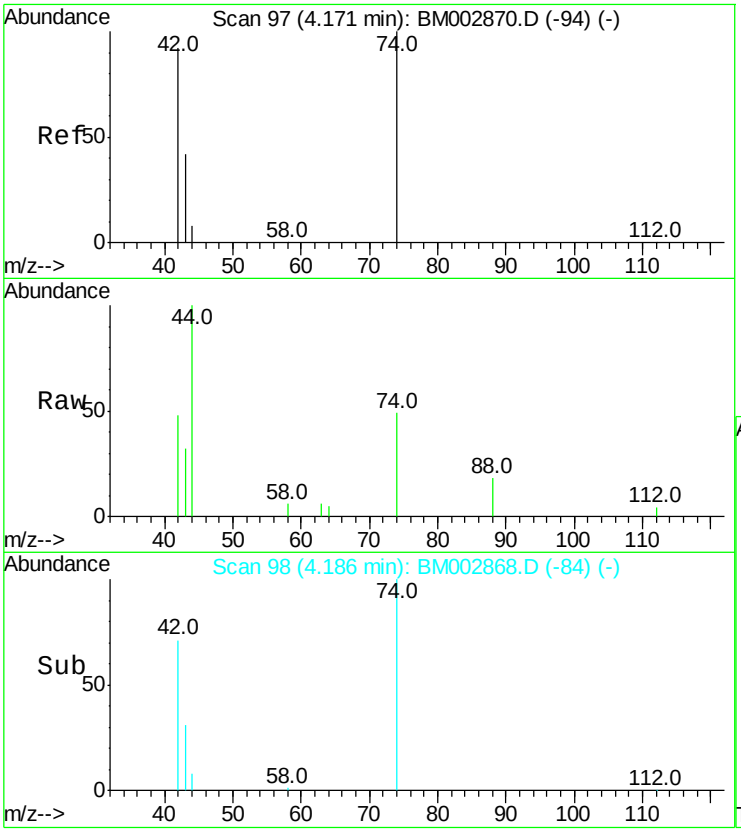


#2
1,4-Dioxane
Concen: 0.29 ng
RT: 3.78 min Scan# 72
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion: 88 Resp: 2100

Ion	Ratio	Lower	Upper
88	100		
58	67.5	56.7	85.1
43	27.3	22.0	33.0

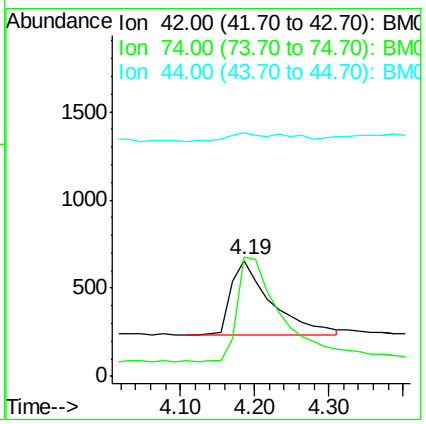




#3
n-Nitrosodimethylamine
Concen: 0.22 ng
RT: 4.19 min Scan# 98
Delta R.T. 0.02 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion: 42 Resp: 1568

Ion	Ratio	Lower	Upper
42	100		
74	154.0	119.7	179.5
44	10.7	9.8	14.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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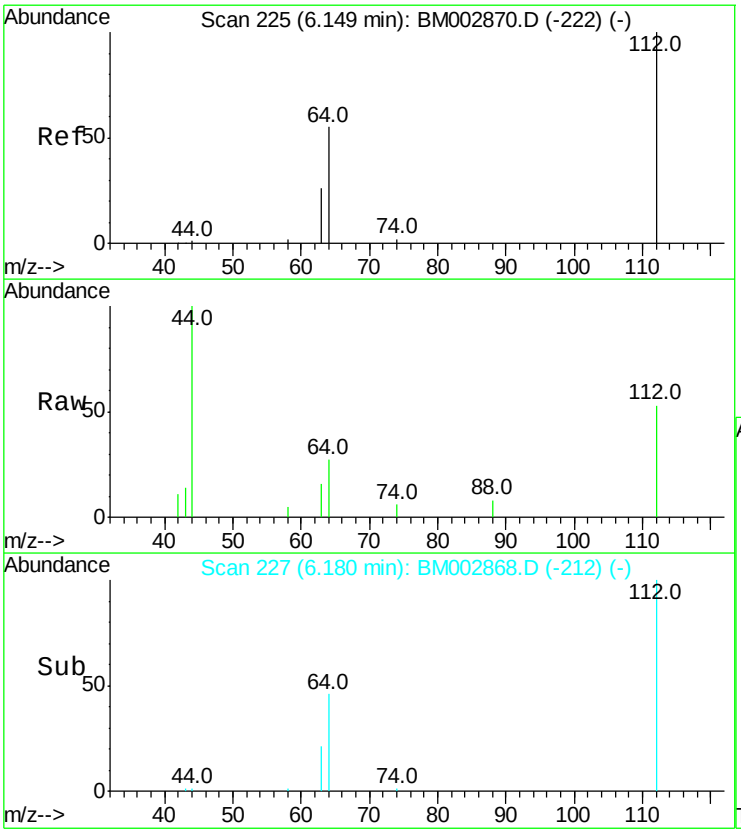
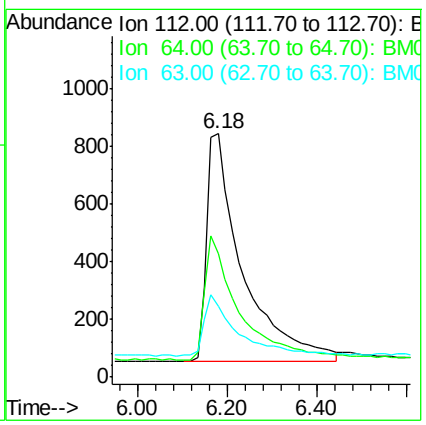
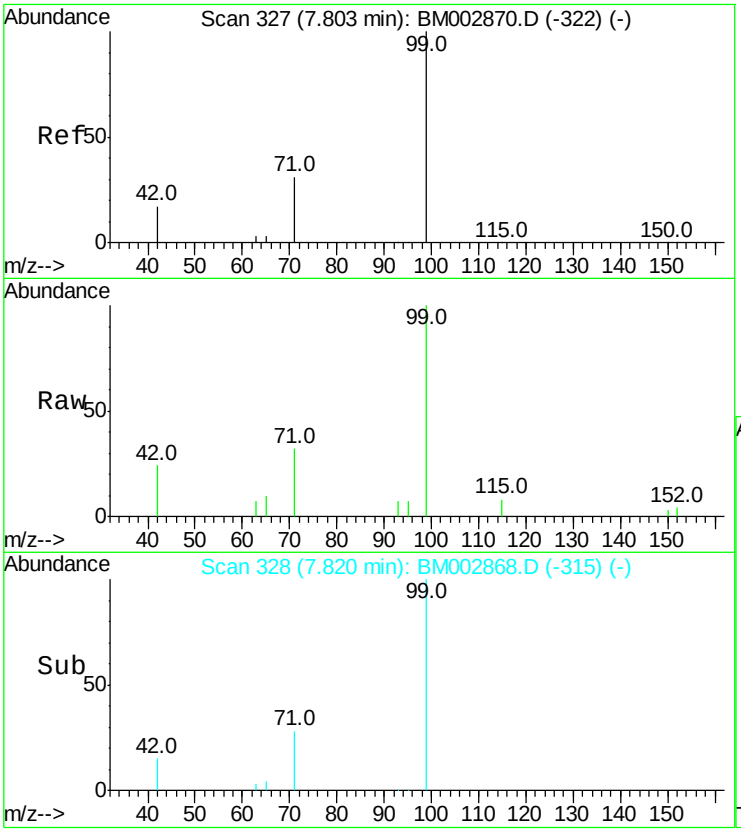


#4
2-Fluorophenol
Concen: 0.50 ng m
RT: 6.18 min Scan# 227
Delta R.T. 0.03 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:112 Resp: 4399

Ion	Ratio	Lower	Upper
112	100		
64	44.5	42.0	63.0
63	21.6	20.0	30.0

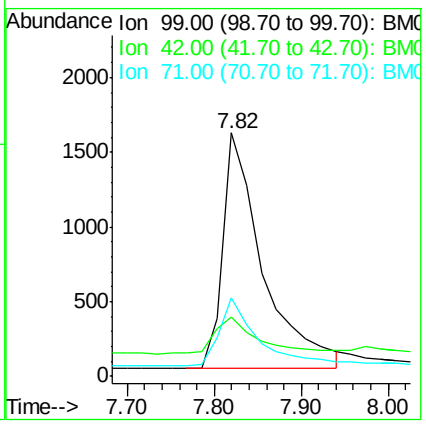




#5
Phenol-d6
Concen: 0.46 ng
RT: 7.82 min Scan# 328
Delta R.T. 0.02 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion: 99 Resp: 5045

Ion	Ratio	Lower	Upper
99	100		
42	16.9	12.4	18.6
71	27.1	21.4	32.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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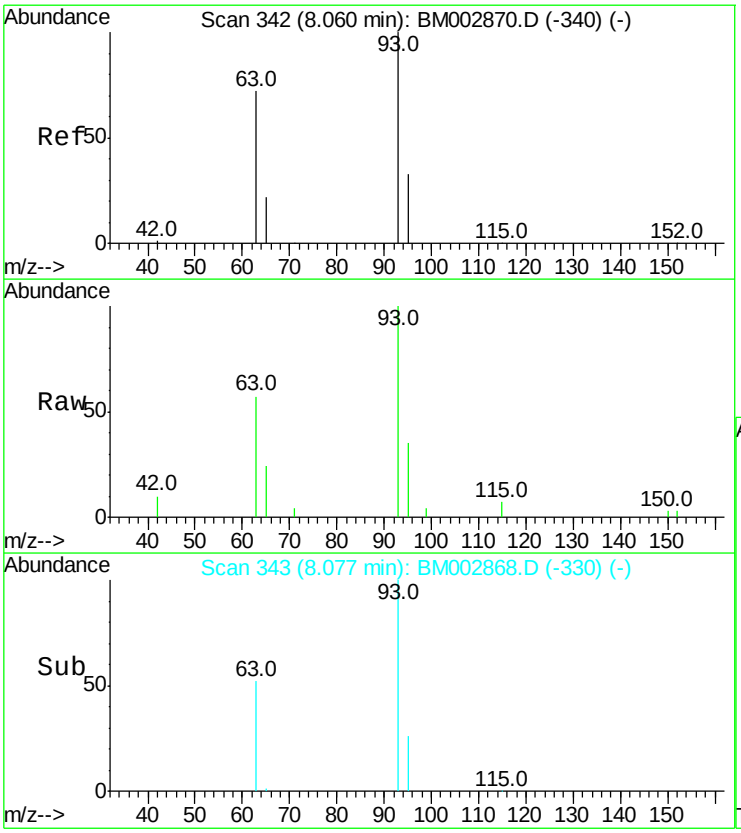
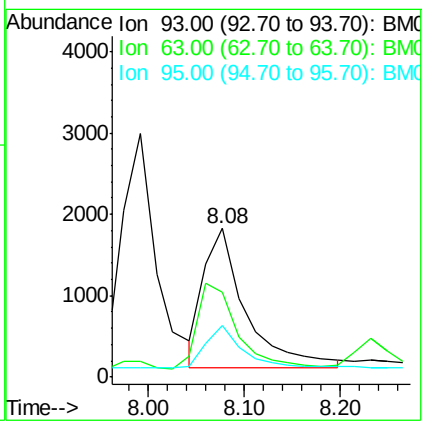
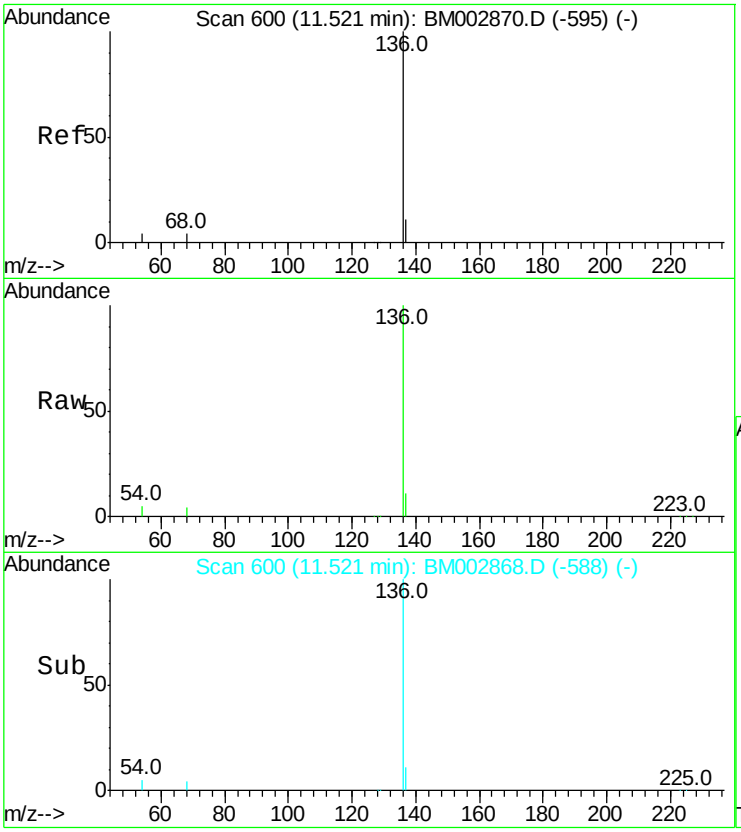


#6
bis(2-Chloroethyl)ether
Concen: 0.42 ng m
RT: 8.08 min Scan# 343
Delta R.T. 0.02 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion: 93 Resp: 5219

Ion	Ratio	Lower	Upper
93	100		
63	59.5	52.9	79.3
95	27.3	25.2	37.8

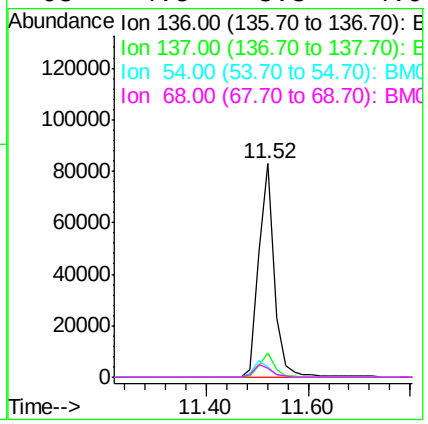




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 11.52 min Scan# 600
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:136 Resp: 171569

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	4.9	3.5	5.3
68	4.5	3.3	4.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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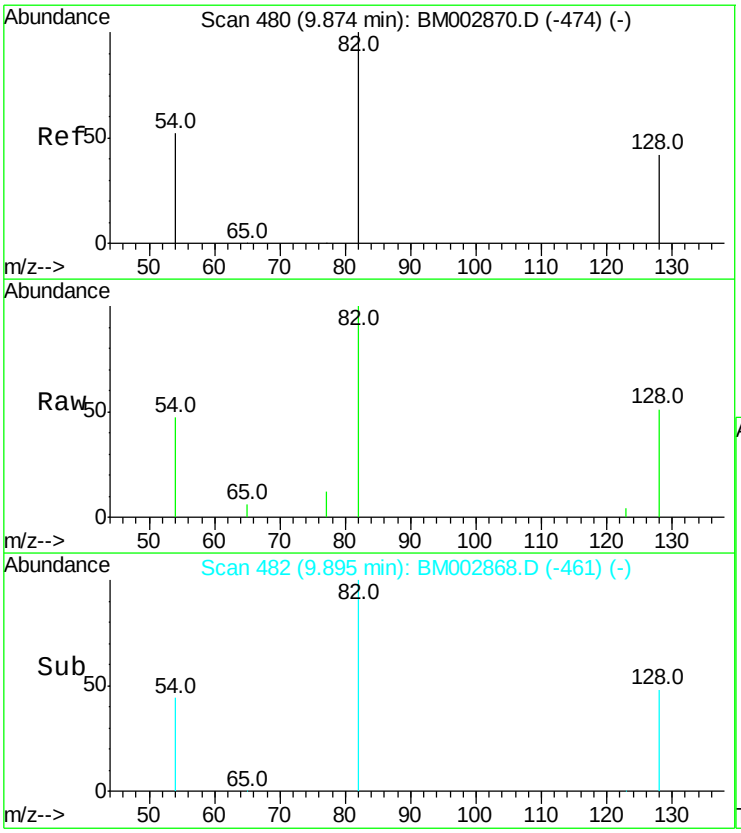
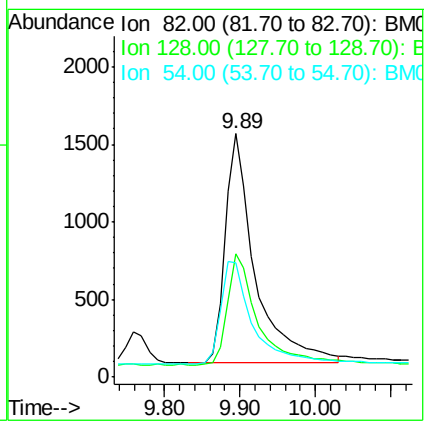
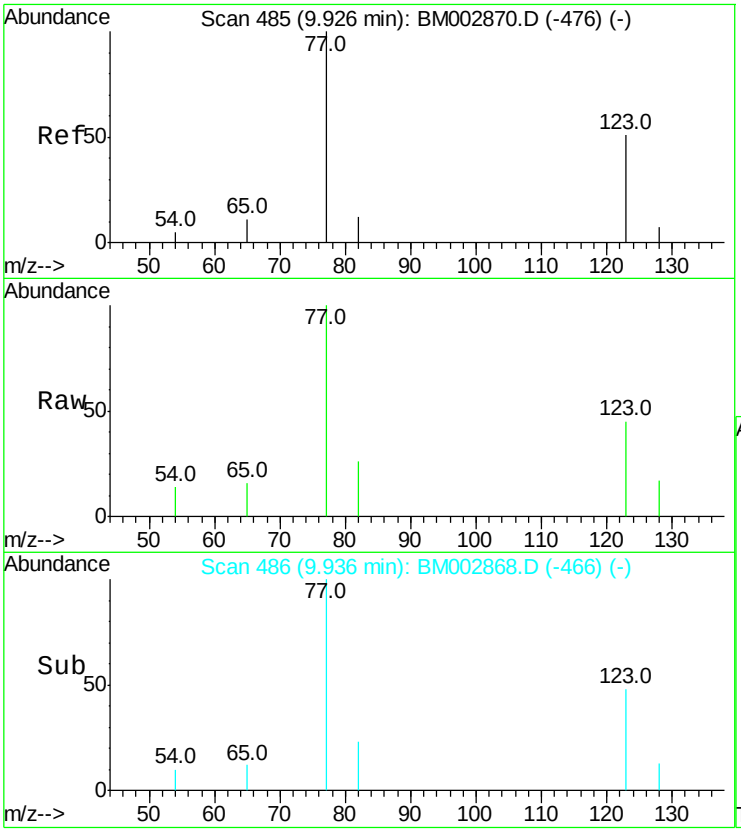


#8
Nitrobenzene-d5
Concen: 0.44 ng
RT: 9.89 min Scan# 482
Delta R.T. 0.02 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion: 82 Resp: 4086

Ion	Ratio	Lower	Upper
82	100		
128	50.9	34.1	51.1
54	46.9	42.6	63.8

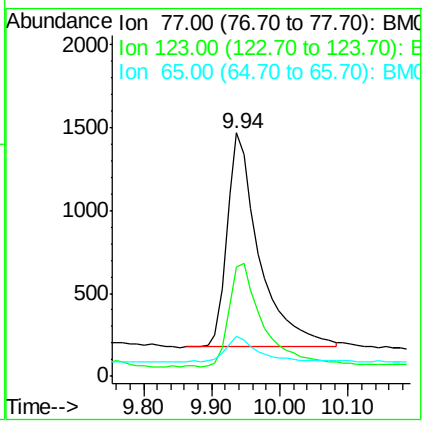




#9
Nitrobenzene
Concen: 0.43 ng
RT: 9.94 min Scan# 486
Delta R.T. 0.01 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion: 77 Resp: 4218

Ion	Ratio	Lower	Upper
77	100		
123	51.8	41.0	61.4
65	11.9	9.7	14.5



Instrument :
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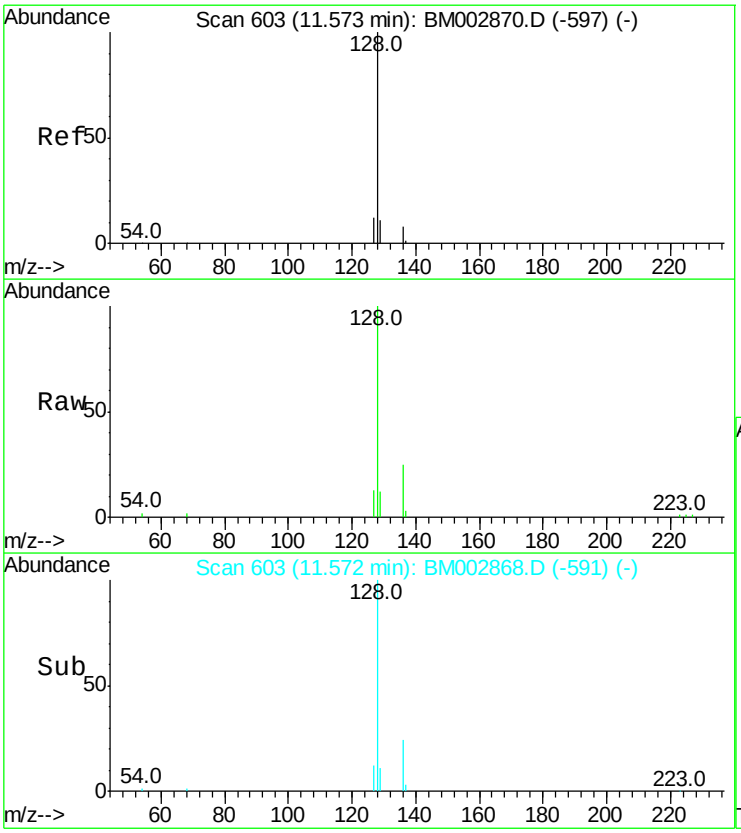
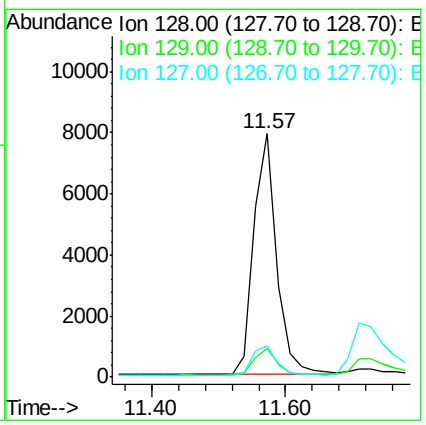
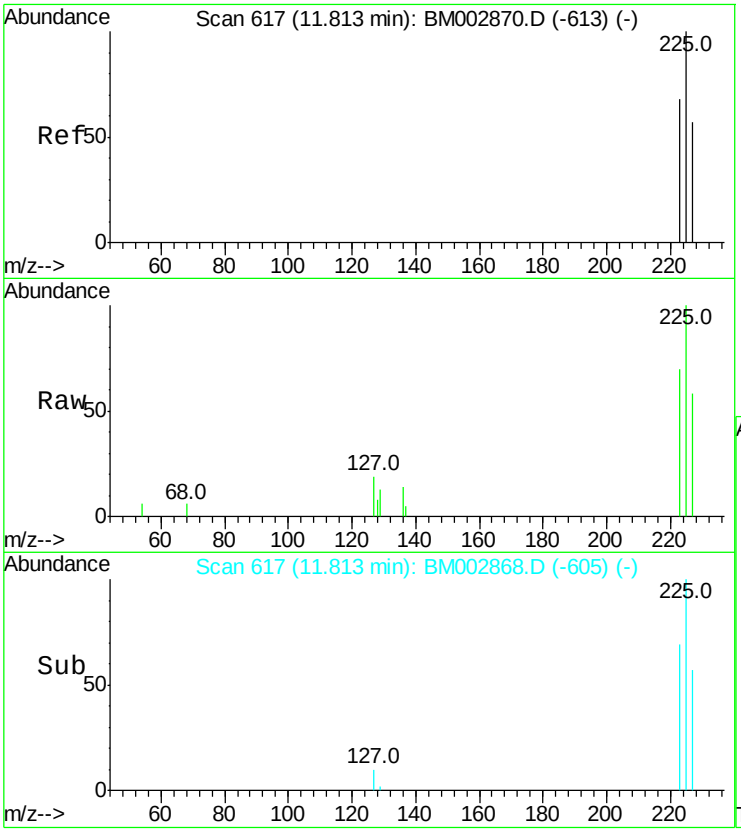


#10
Naphthalene
Concen: 0.50 ng
RT: 11.57 min Scan# 603
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:128 Resp: 18691

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.4	14.2
127	12.9	9.6	14.4

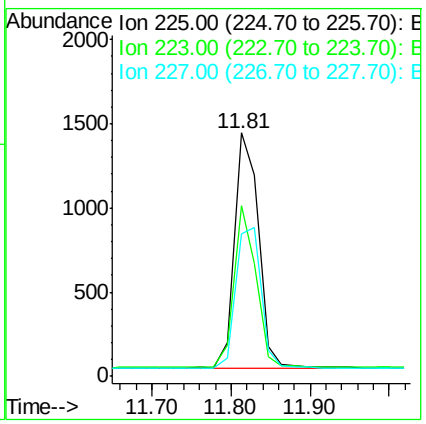




#11
Hexachlorobutadiene
Concen: 0.48 ng
RT: 11.81 min Scan# 617
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:225 Resp: 2948

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.1	75.1
227	64.1	51.2	76.8



Instrument :
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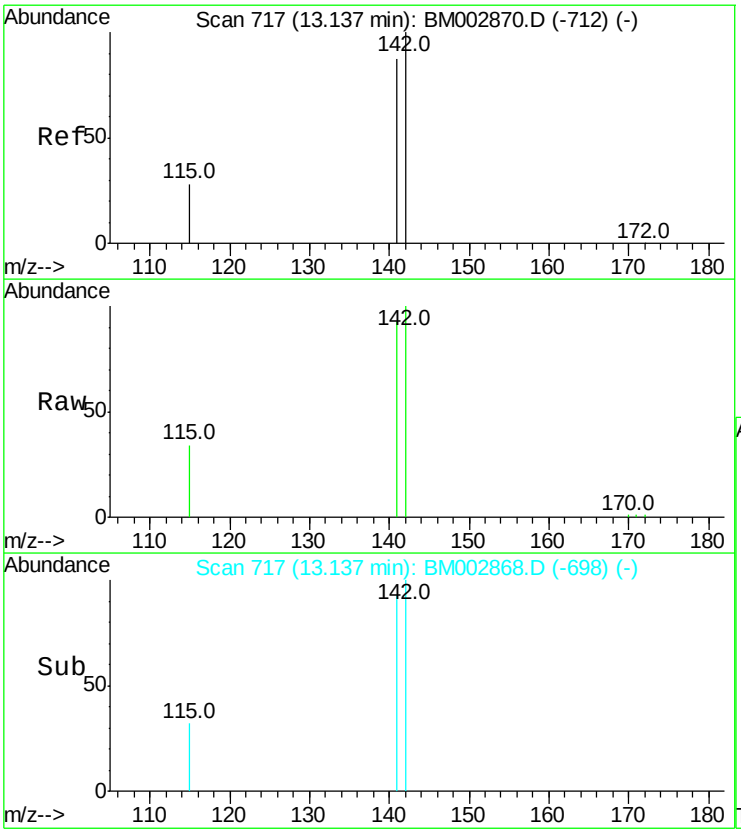
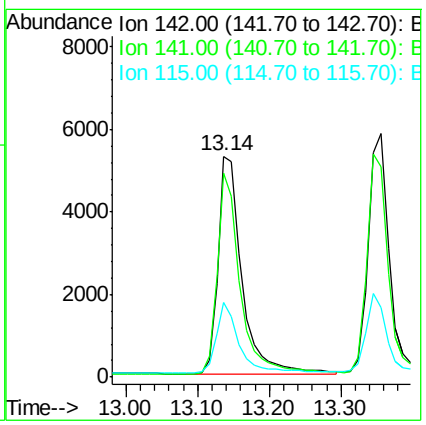
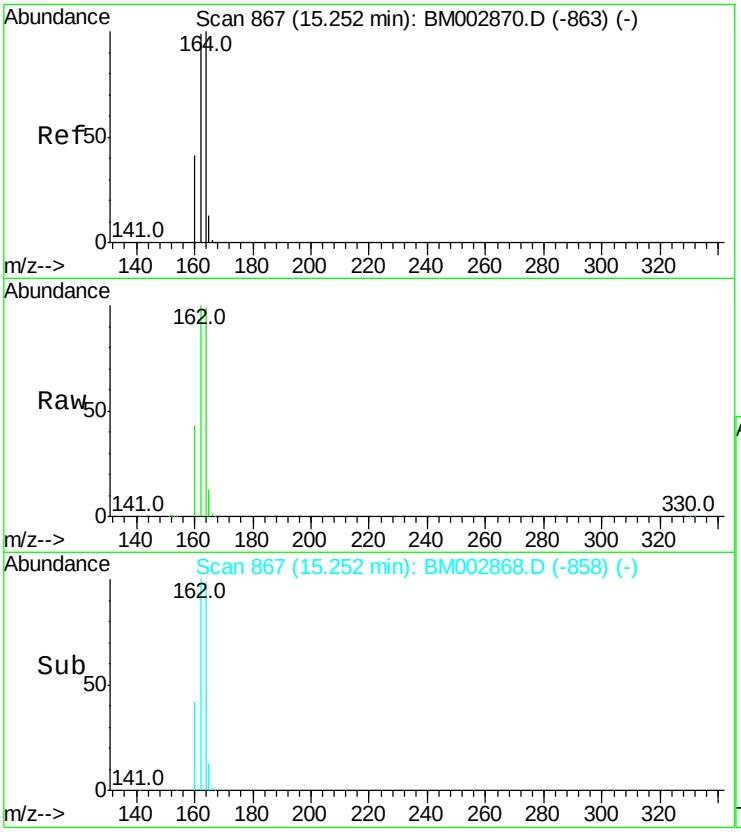


#12
2-Methylnaphthalene
Concen: 0.55 ng
RT: 13.14 min Scan# 717
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:142 Resp: 12229

Ion	Ratio	Lower	Upper
142	100		
141	92.6	69.4	104.0
115	33.7	22.7	34.1

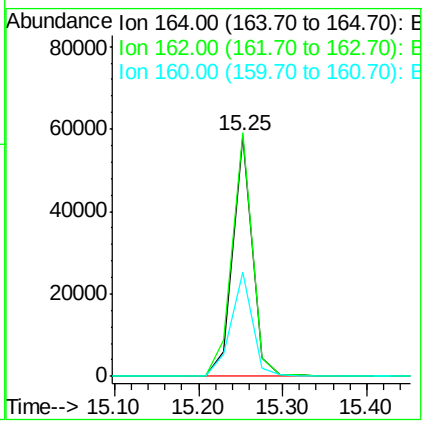




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 15.25 min Scan# 867
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:164 Resp: 92199

Ion	Ratio	Lower	Upper
164	100		
162	101.5	79.6	119.4
160	43.2	33.1	49.7



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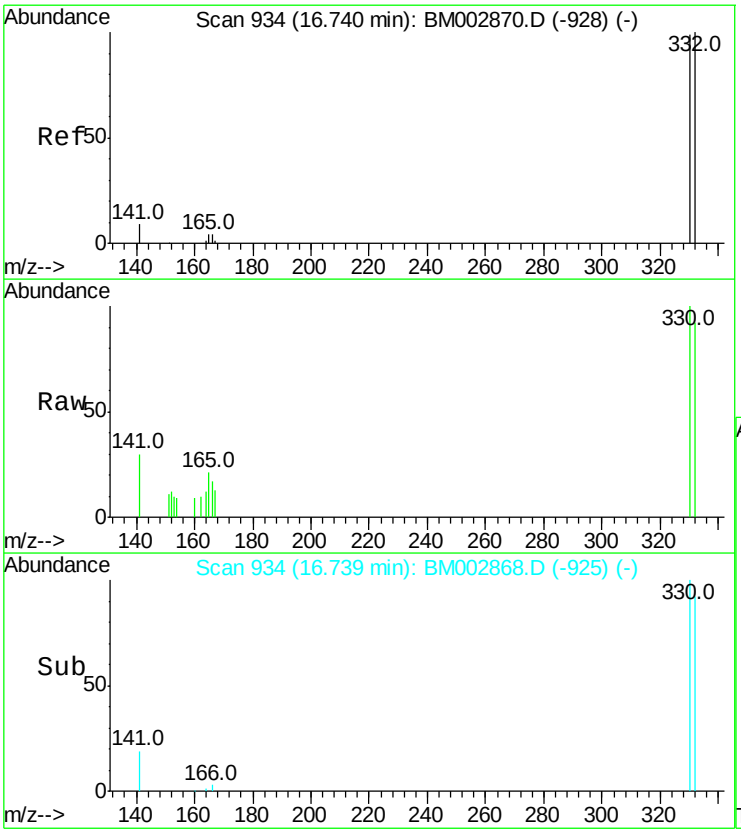
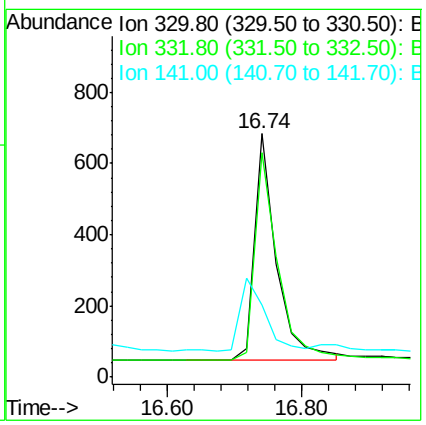
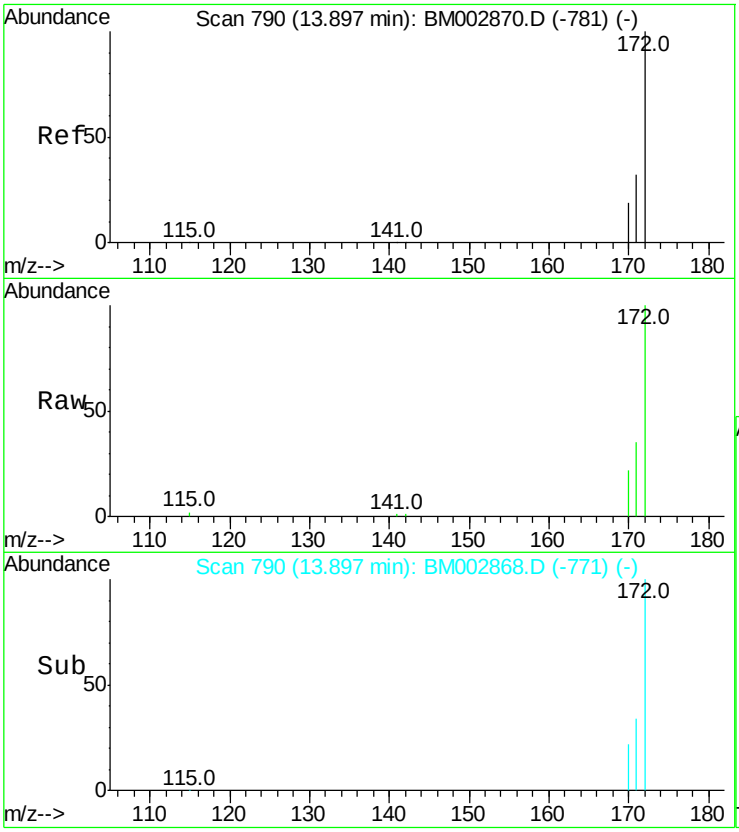


#14
2,4,6-Tribromophenol
Concen: 0.49 ng
RT: 16.74 min Scan# 934
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:330 Resp: 1457

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	0.0	0.0	0.0

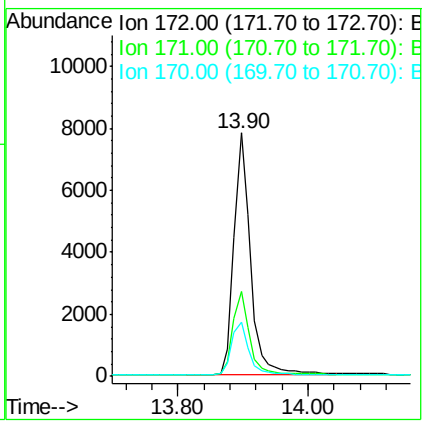




#15
2-Fluorobiphenyl
Concen: 0.54 ng
RT: 13.90 min Scan# 790
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

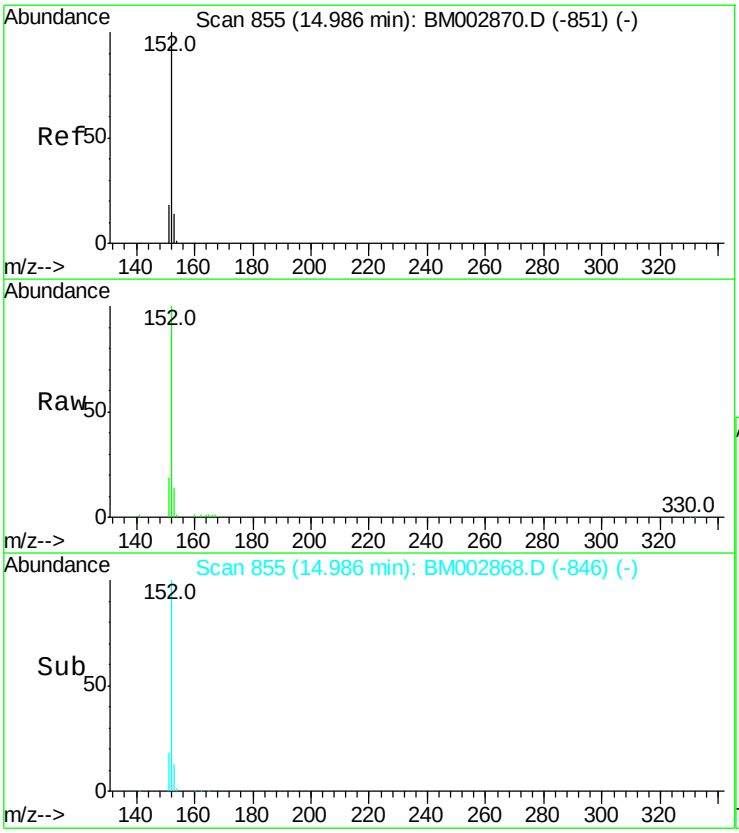
Tgt Ion:172 Resp: 13802

Ion	Ratio	Lower	Upper
172	100		
171	34.8	26.1	39.1
170	22.1	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

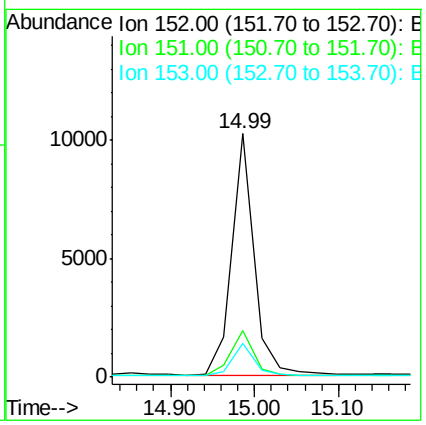
Manual Integrations APPROVED
MMdadoda
10/9/2015 1:48:23 PM

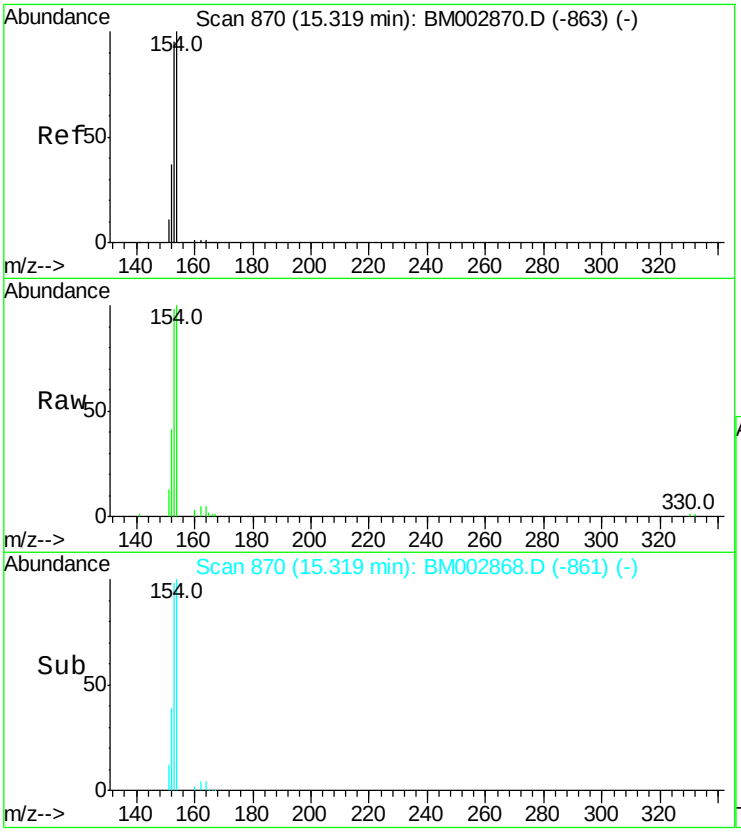


#16
Acenaphthylene
Concen: 0.13 ng
RT: 14.99 min Scan# 855
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:152 Resp: 18633

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.3	22.9
153	13.1	10.5	15.7

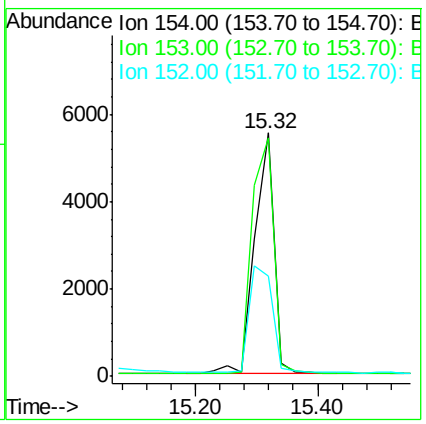




#17
Acenaphthene
Concen: 0.50 ng
RT: 15.32 min Scan# 870
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:154 Resp: 12291

Ion	Ratio	Lower	Upper
154	100		
153	109.3	0.0	0.0#
152	0.0	0.0	0.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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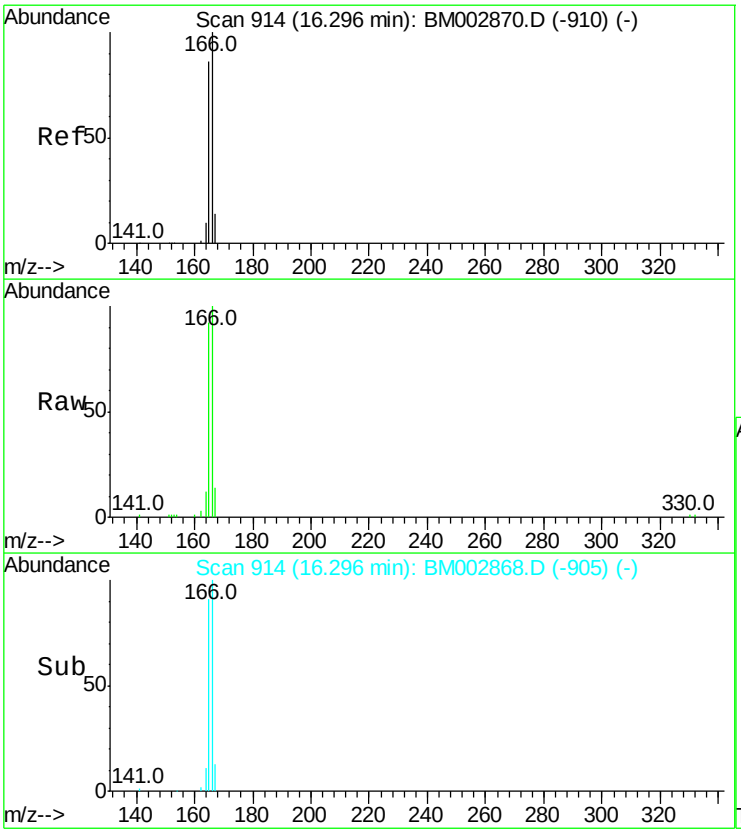
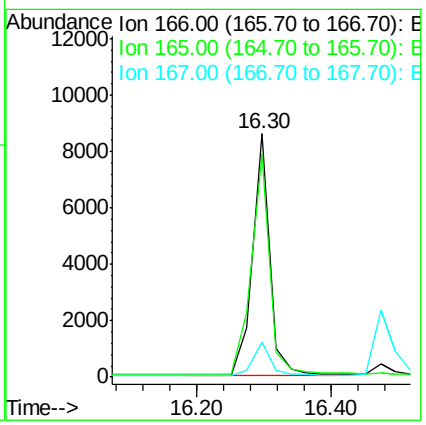
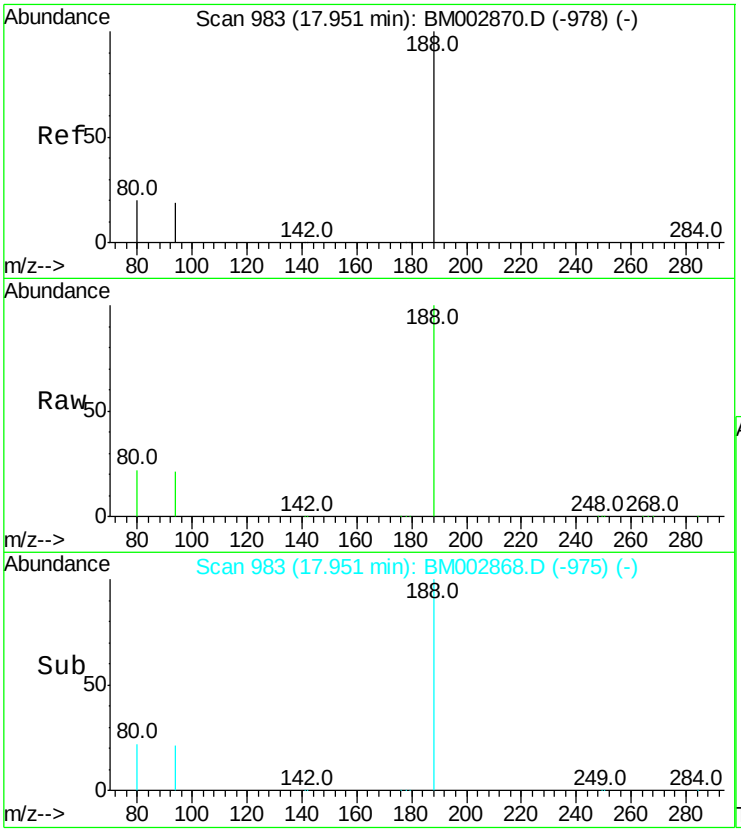


#18
Fluorene
Concen: 0.50 ng
RT: 16.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:166 Resp: 15404

Ion	Ratio	Lower	Upper
166	100		
165	96.7	77.3	115.9
167	13.5	10.9	16.3

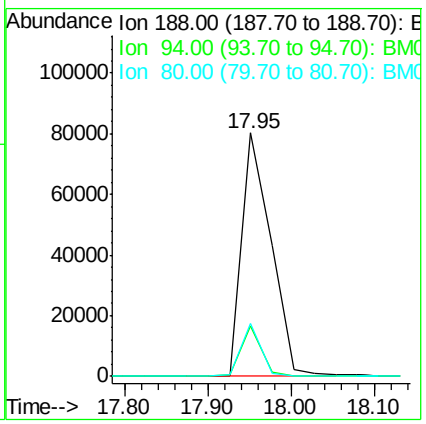




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.95 min Scan# 983
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:188 Resp: 195148

Ion	Ratio	Lower	Upper
188	100		
94	20.7	15.2	22.8
80	21.9	15.9	23.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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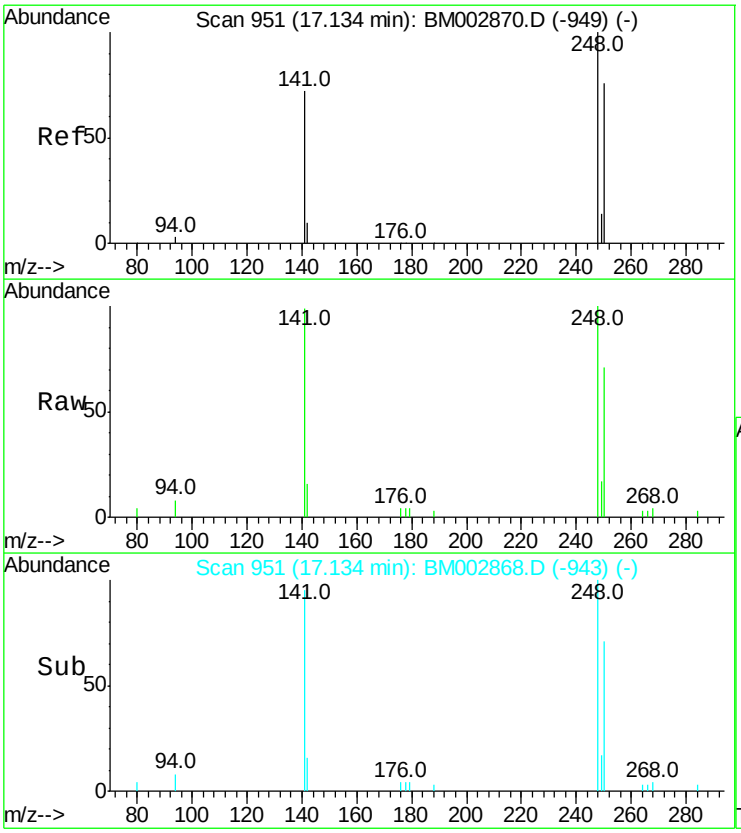
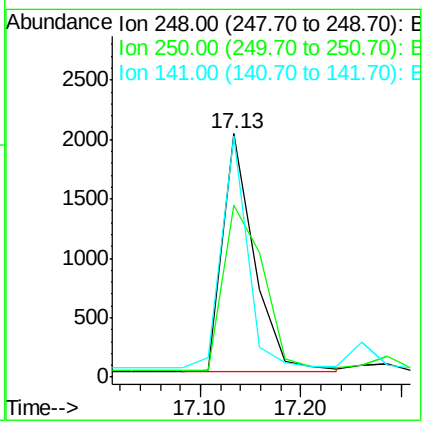
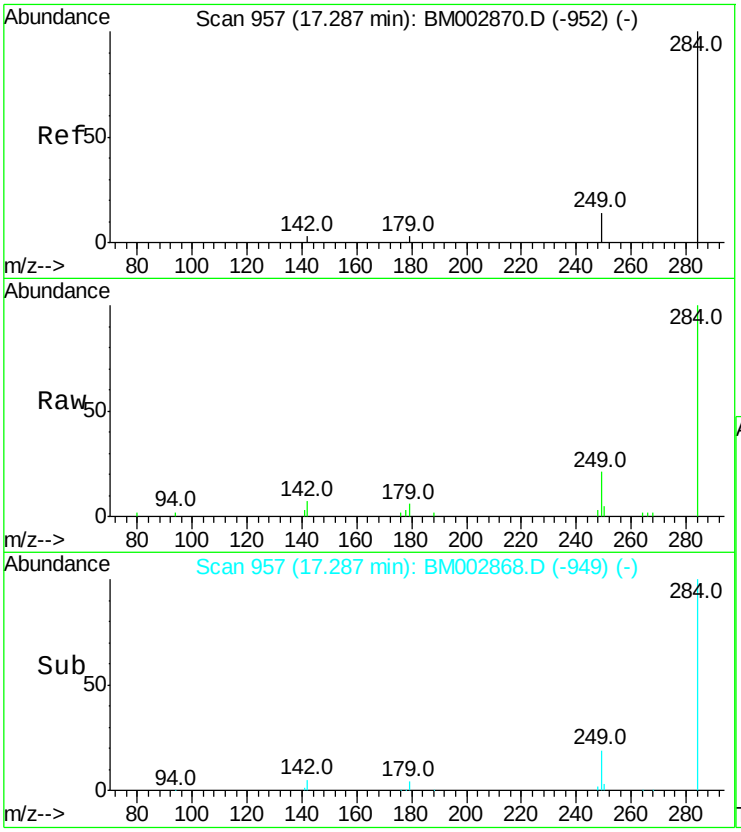


#20
4-Bromophenyl-phenylether
Concen: 0.57 ng m
RT: 17.13 min Scan# 951
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:248 Resp: 4409

Ion	Ratio	Lower	Upper
248	100		
250	106.4	71.4	107.2
141	80.2	54.6	82.0

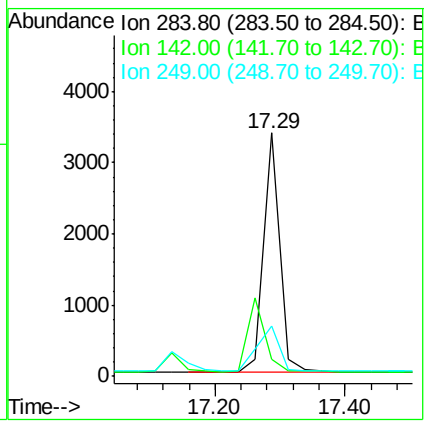




#21
Hexachlorobenzene
Concen: 0.17 ng
RT: 17.29 min Scan# 957
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:284 Resp: 5755

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	25.6	20.7	31.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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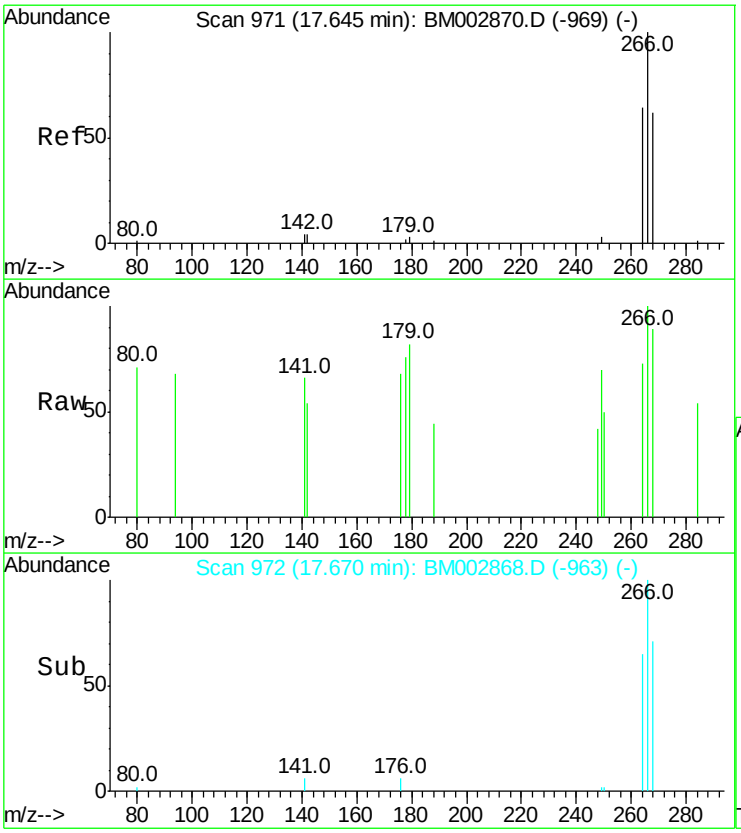
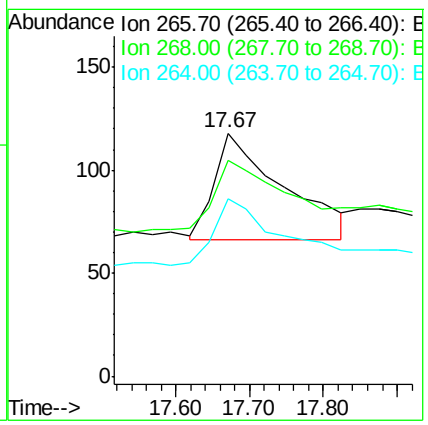
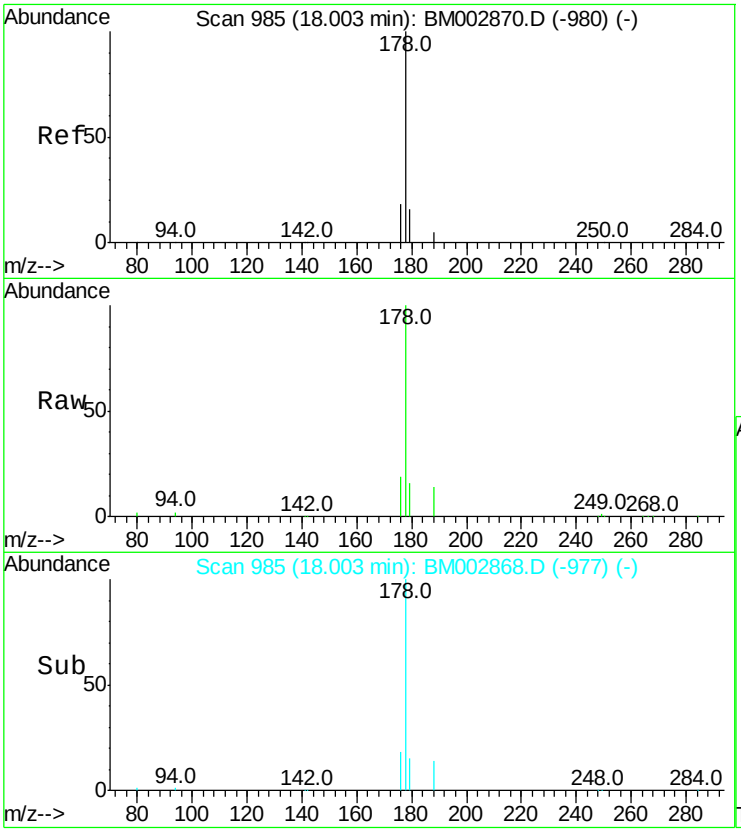


#22
Pentachlorophenol
Concen: 0.13 ng m
RT: 17.67 min Scan# 972
Delta R.T. 0.03 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:266 Resp: 337

Ion	Ratio	Lower	Upper
266	100		
268	89.0	58.3	87.5#
264	72.9	54.2	81.2

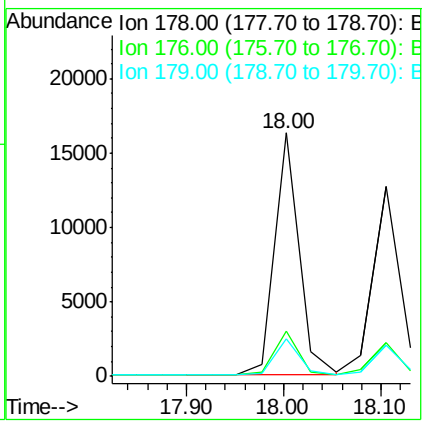




#23
Phenanthrene
Concen: 0.57 ng
RT: 18.00 min Scan# 985
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:178 Resp: 28825

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	15.7	12.5	18.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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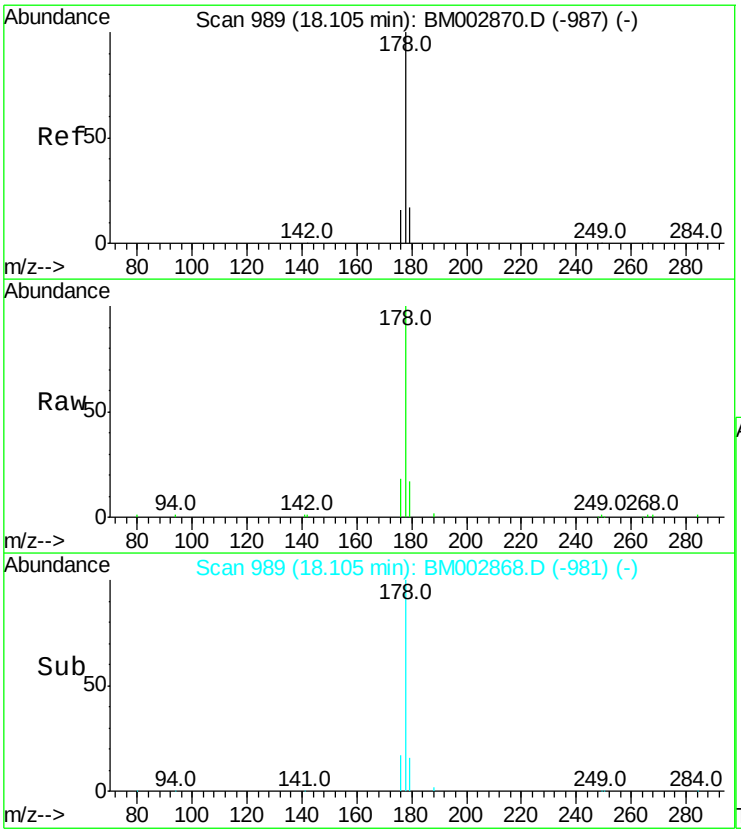
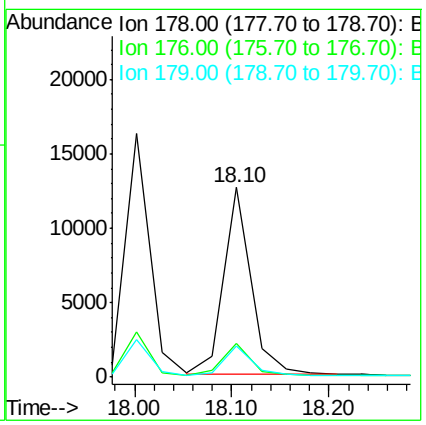
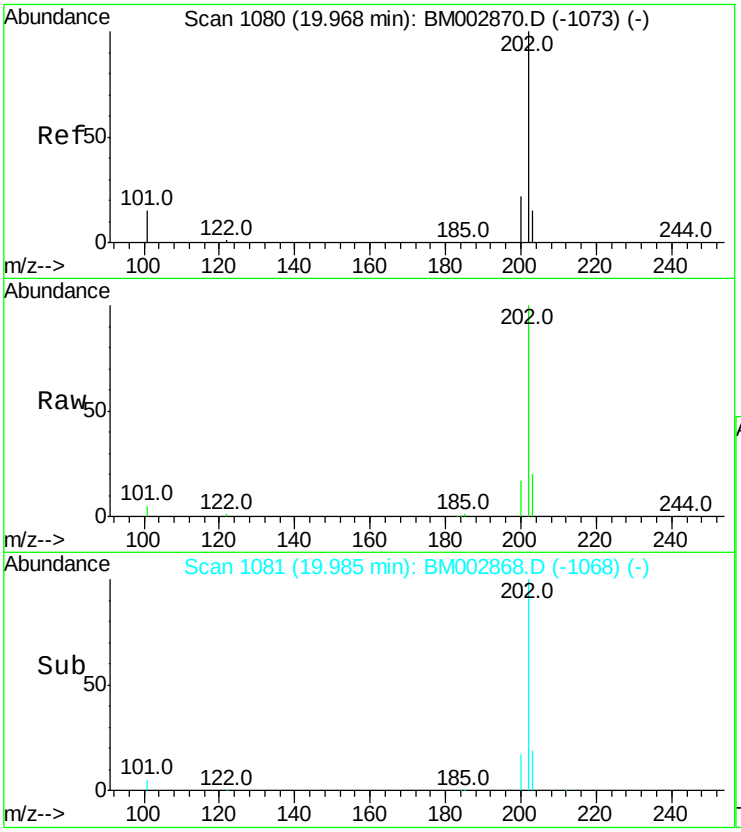


#24
Anthracene
Concen: 0.54 ng
RT: 18.10 min Scan# 989
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:178 Resp: 24403

Ion	Ratio	Lower	Upper
178	100		
176	17.7	13.9	20.9
179	15.5	12.6	18.8





#25
Fluoranthene
Concen: 0.52 ng
RT: 19.99 min Scan# 1081
Delta R.T. 0.02 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:202 Resp: 31408

Ion	Ratio	Lower	Upper
202	100		
101	14.2	11.0	16.6
203	17.7	13.8	20.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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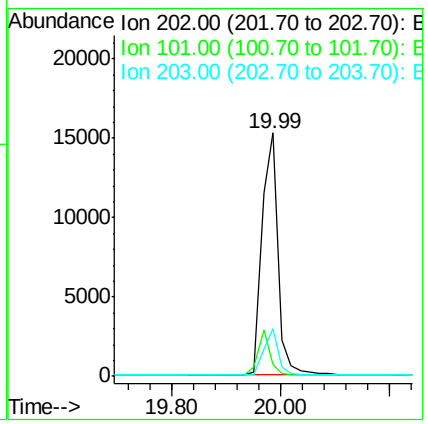
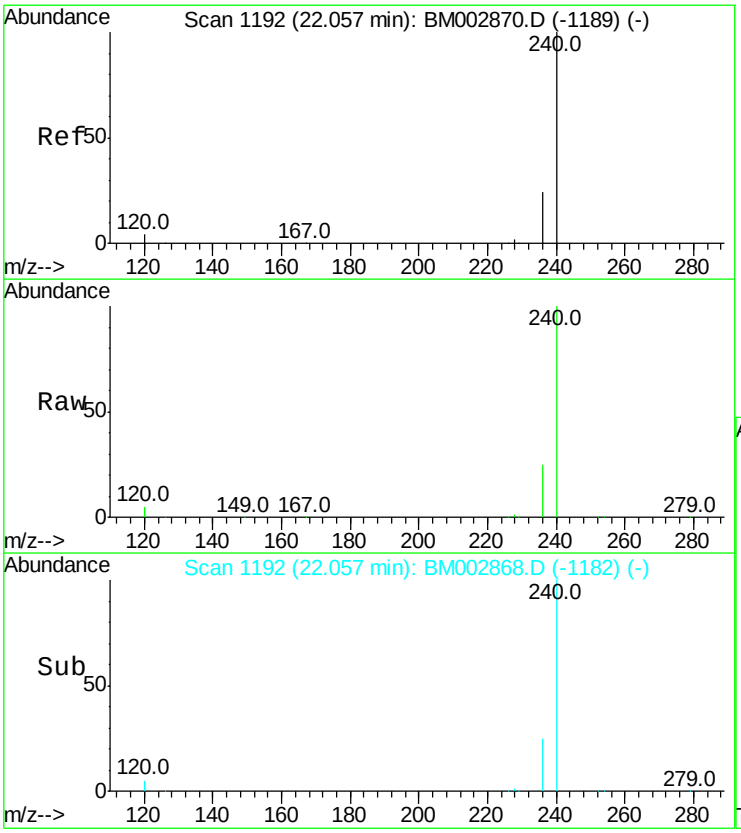
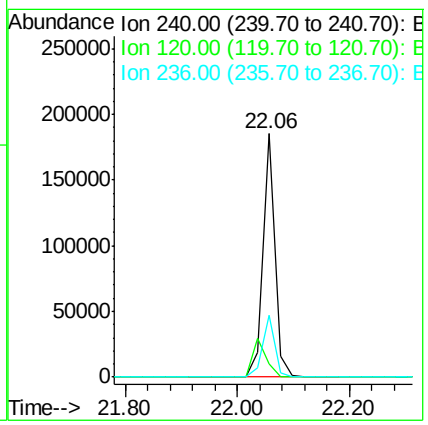


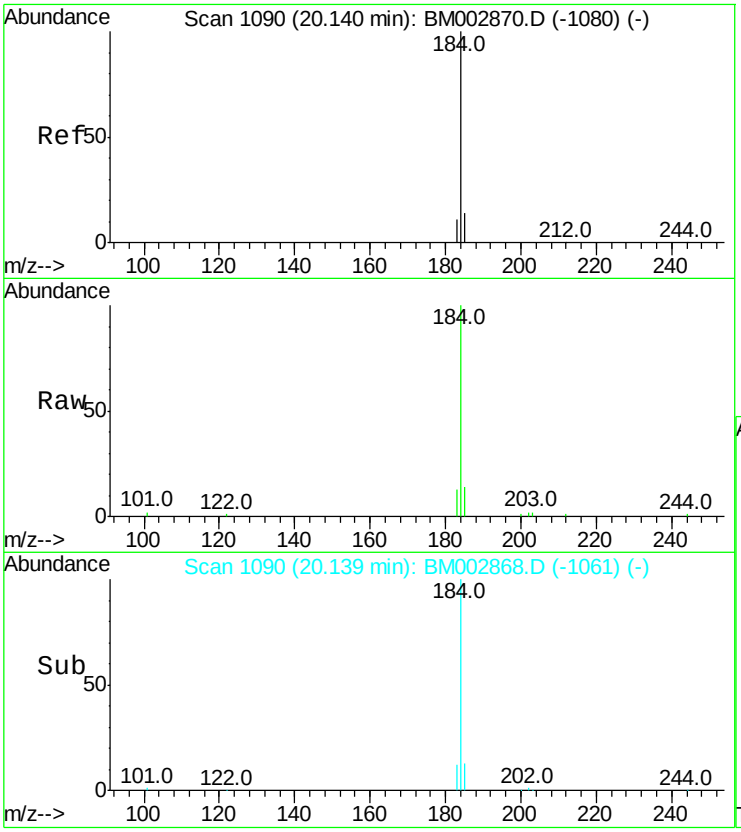


#26
Chrysene-d12
Concen: 5.00 ng
RT: 22.06 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:240 Resp: 274646

Ion	Ratio	Lower	Upper
240	100		
120	5.3	3.3	4.9#
236	25.4	19.5	29.3

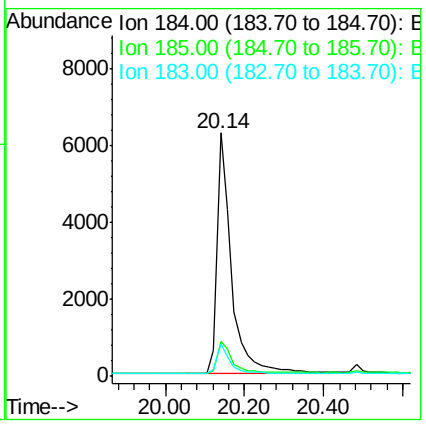




#27
Benzidine
Concen: 1.62 ng
RT: 20.14 min Scan# 1090
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:184 Resp: 15907

Ion	Ratio	Lower	Upper
184	100		
185	14.2	12.0	18.0
183	13.2	8.9	13.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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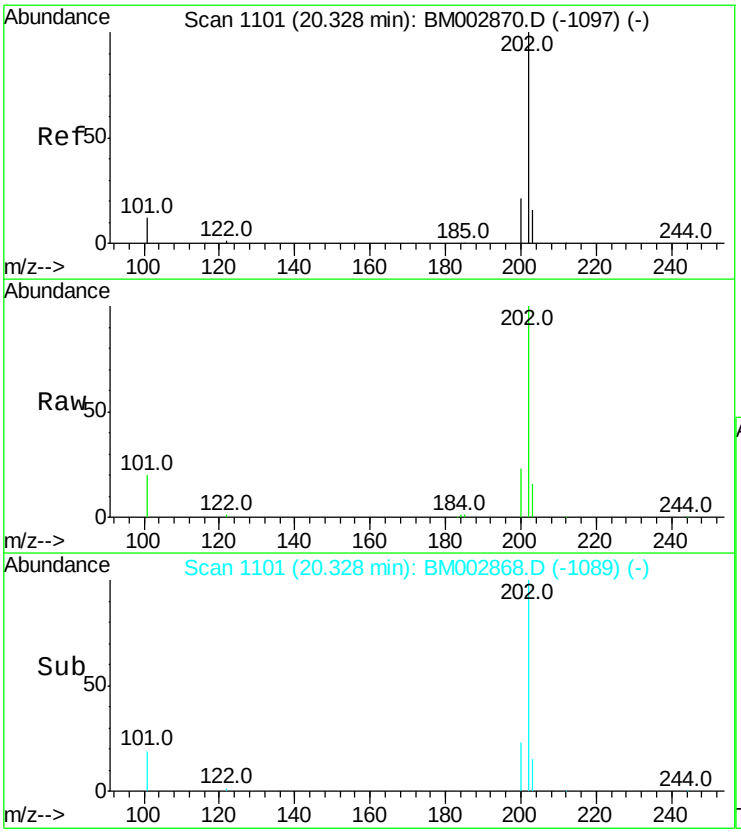
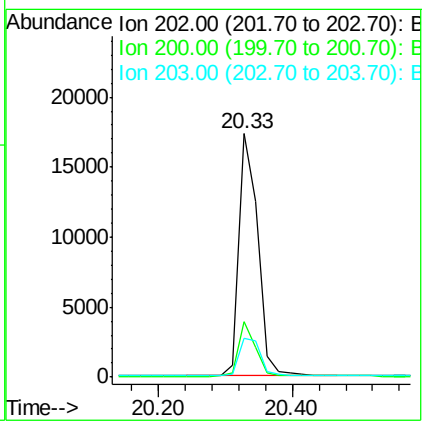
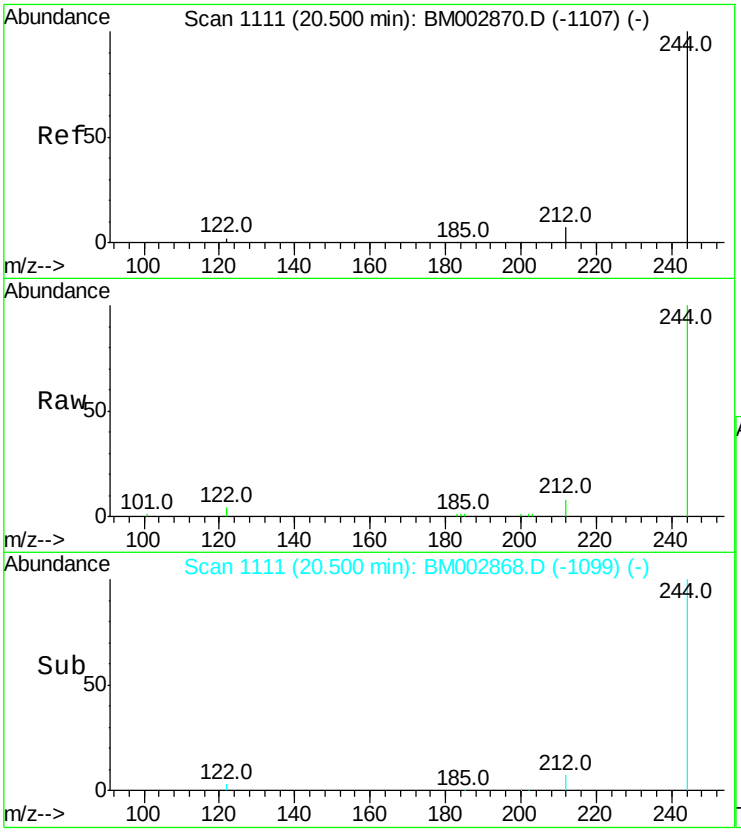


#28
Pyrene
Concen: 0.47 ng
RT: 20.33 min Scan# 1101
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:202 Resp: 33734

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.4
203	17.5	13.8	20.8





#29
Terphenyl-d14
Concen: 0.48 ng
RT: 20.50 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:244 Resp: 16927

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.6	8.4
122	4.2	2.2	3.2#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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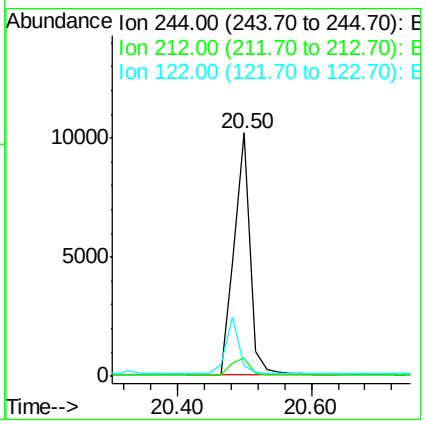
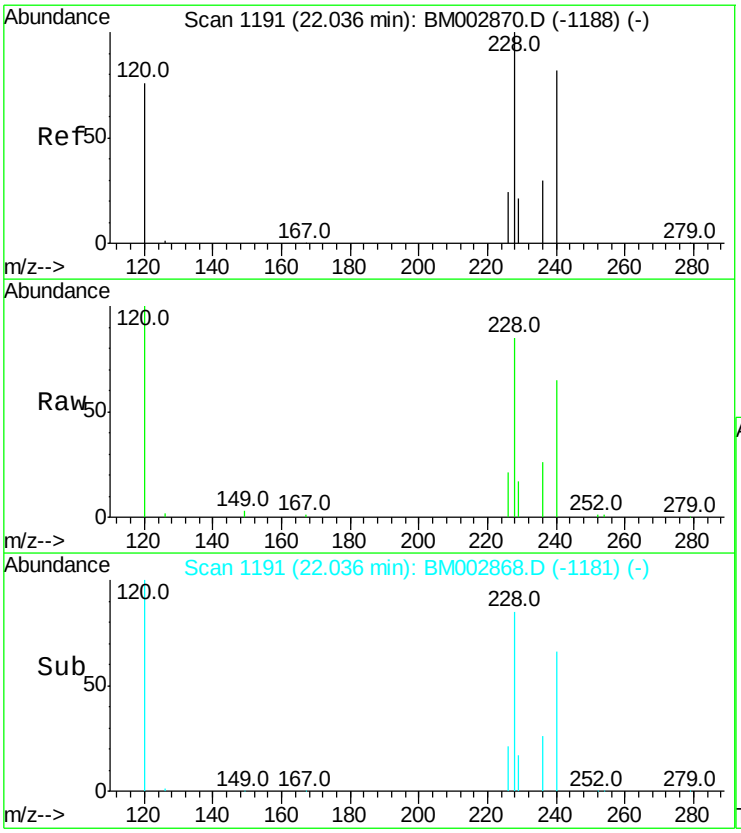
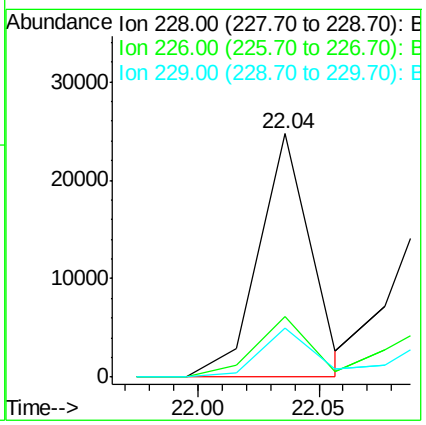


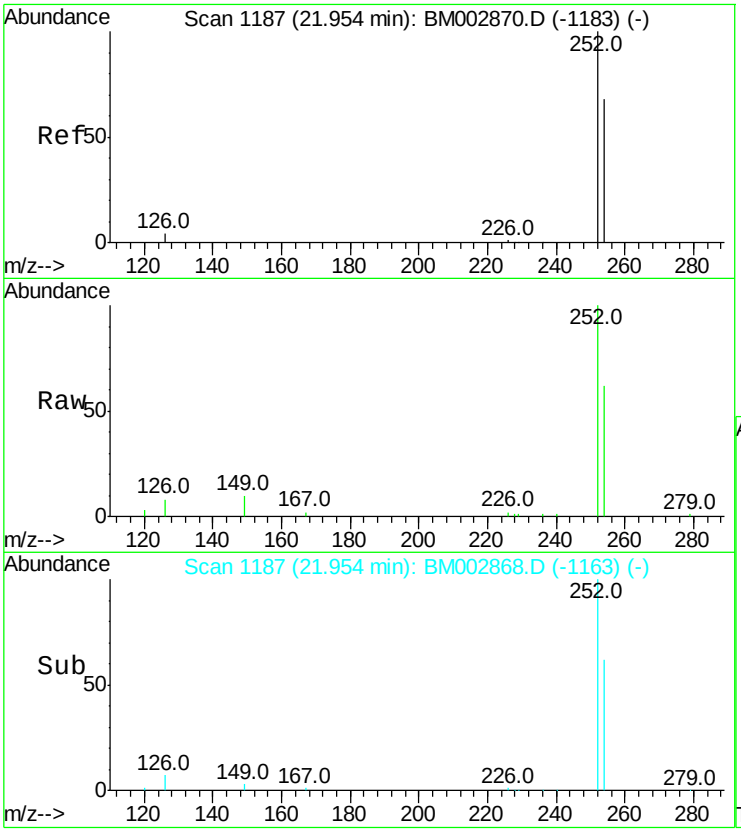


#30
Benzo(a)anthracene
Concen: 0.56 ng m
RT: 22.04 min Scan# 1191
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:228 Resp: 37410

Ion	Ratio	Lower	Upper
228	100		
226	25.0	19.0	28.6
229	20.4	16.8	25.2





#31
3,3'-Dichlorobenzidine
Concen: 1.07 ng
RT: 21.95 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:252 Resp: 14632

Ion	Ratio	Lower	Upper
252	100		
254	62.5	54.1	81.1
126	8.4	4.1	6.1#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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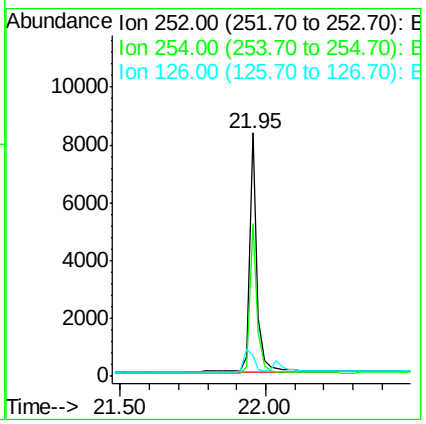
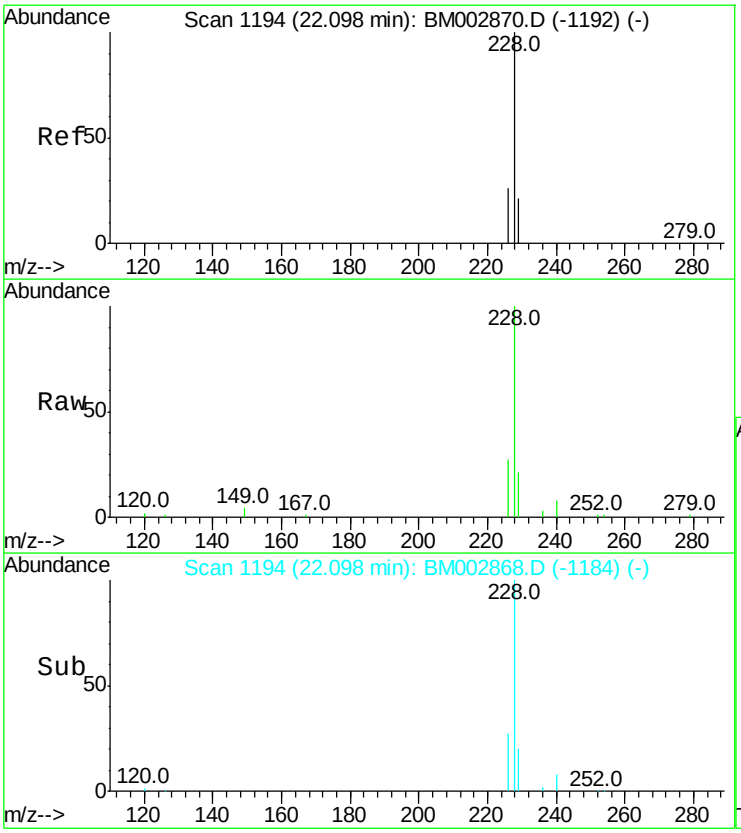
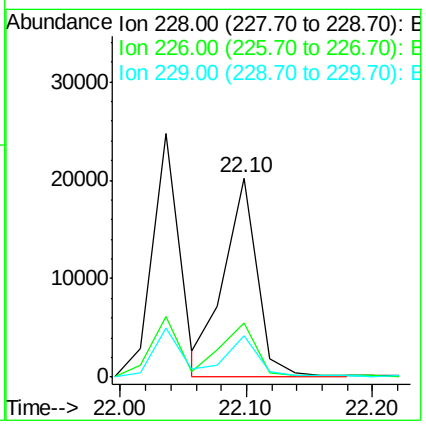


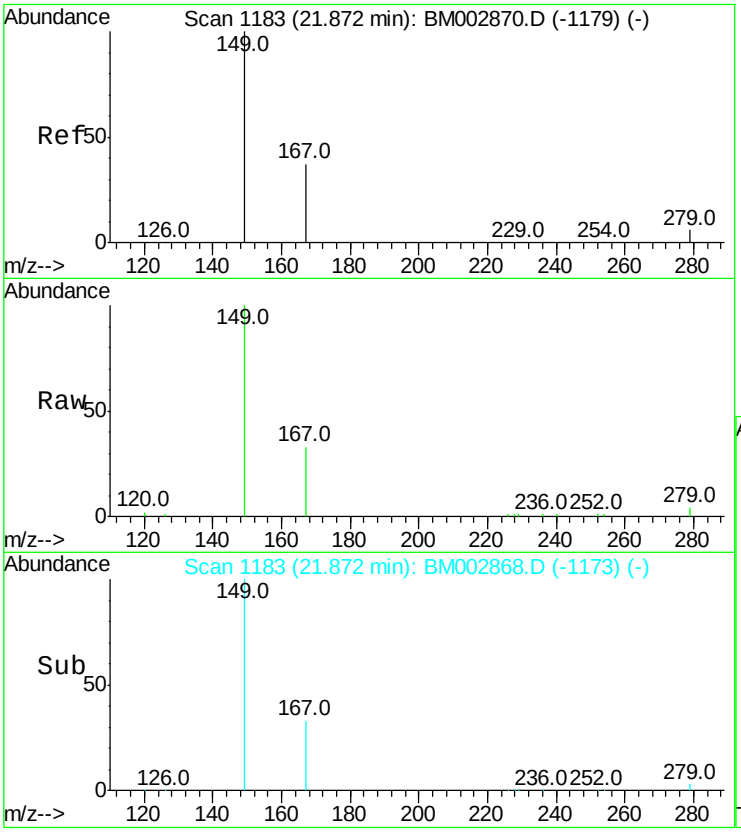


#32
Chrysene
Concen: 0.45 ng m
RT: 22.10 min Scan# 1194
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:228 Resp: 37015

Ion	Ratio	Lower	Upper
228	100		
226	27.0	20.6	30.8
229	20.8	17.4	26.2





#33
Bis(2-ethylhexyl)phthalate
Concen: 0.67 ng
RT: 21.87 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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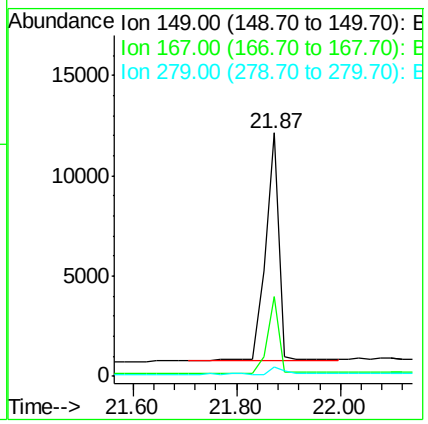
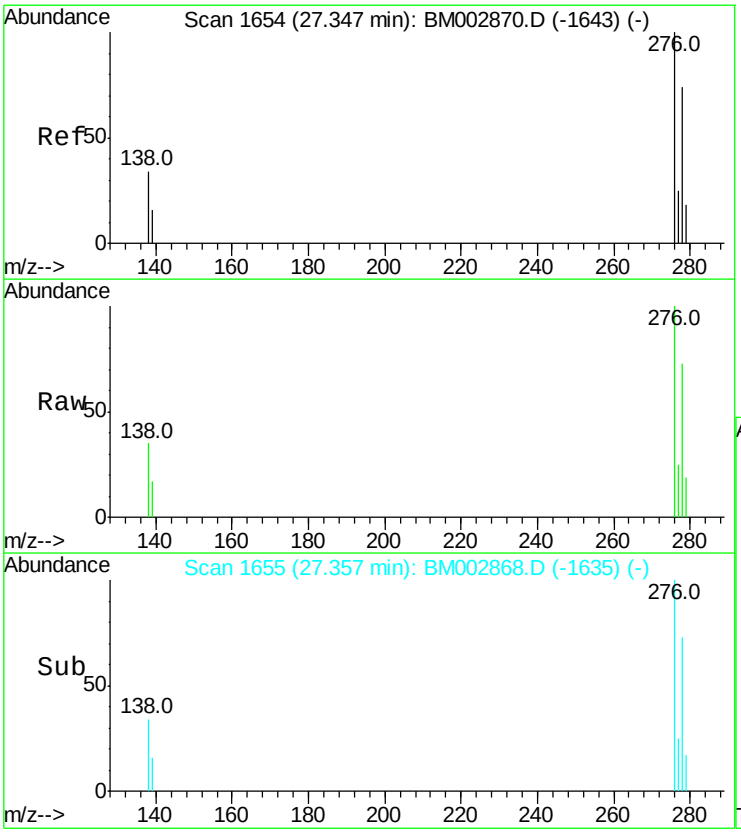
Tgt Ion:149 Resp: 20573

Ion	Ratio	Lower	Upper
149	100		
167	28.3	17.2	25.8#
279	3.2	2.2	3.4

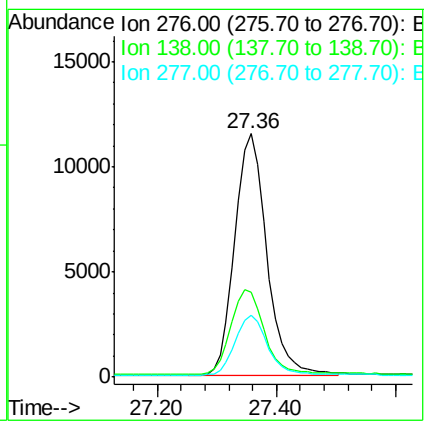


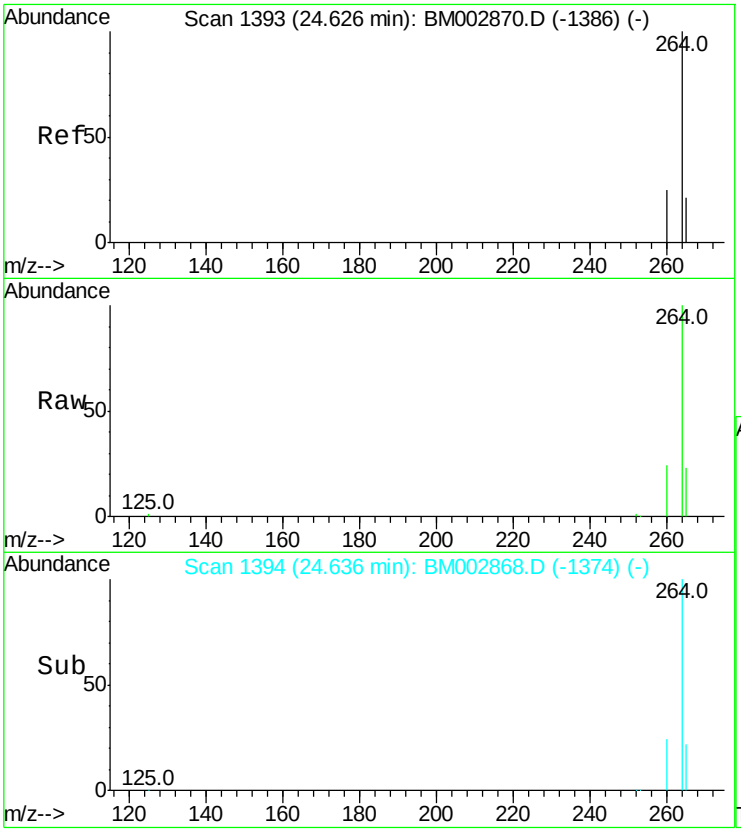


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.61 ng
RT: 27.36 min Scan# 1655
Delta R.T. 0.01 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:276 Resp: 43060

Ion	Ratio	Lower	Upper
276	100		
138	36.2	29.0	43.6
277	24.9	19.8	29.8

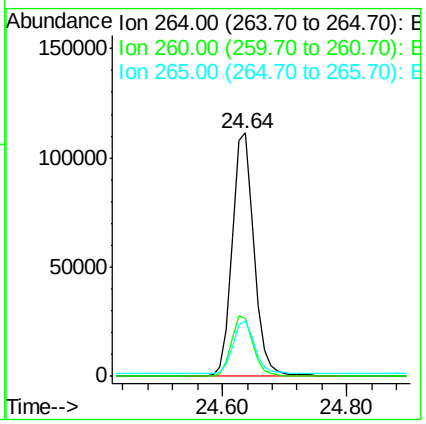




#35
Perylene-d12
Concen: 5.00 ng
RT: 24.64 min Scan# 1394
Delta R.T. 0.01 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:264 Resp: 273624

Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.1	30.1
265	22.9	17.6	26.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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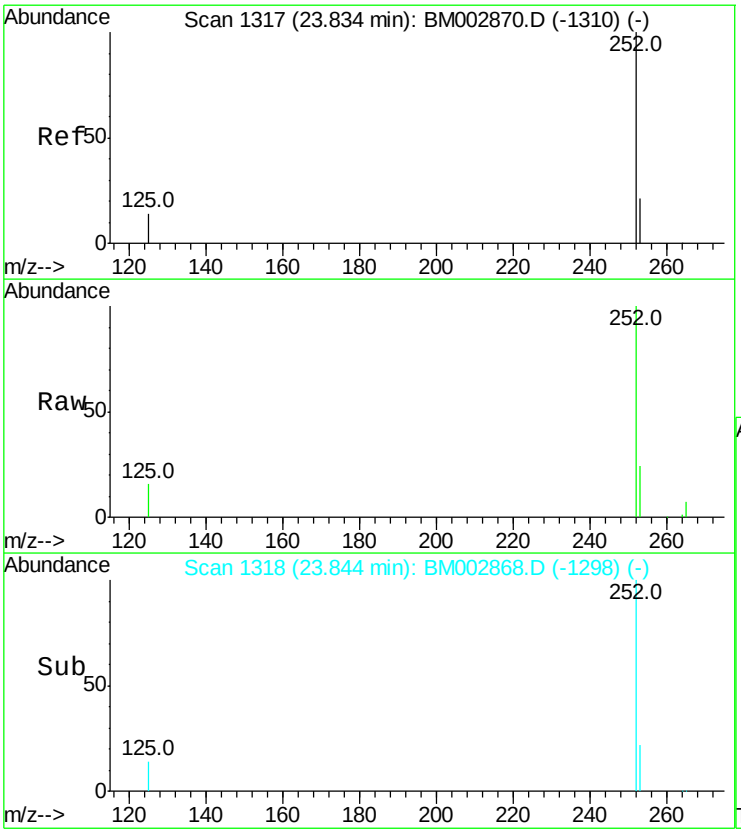
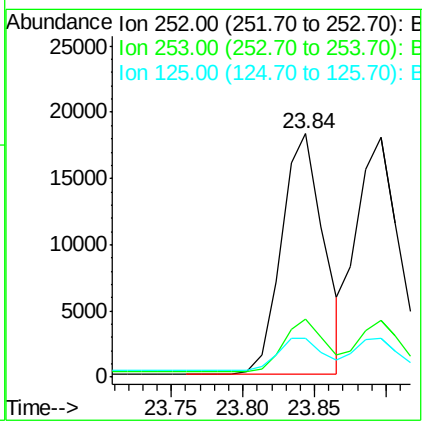
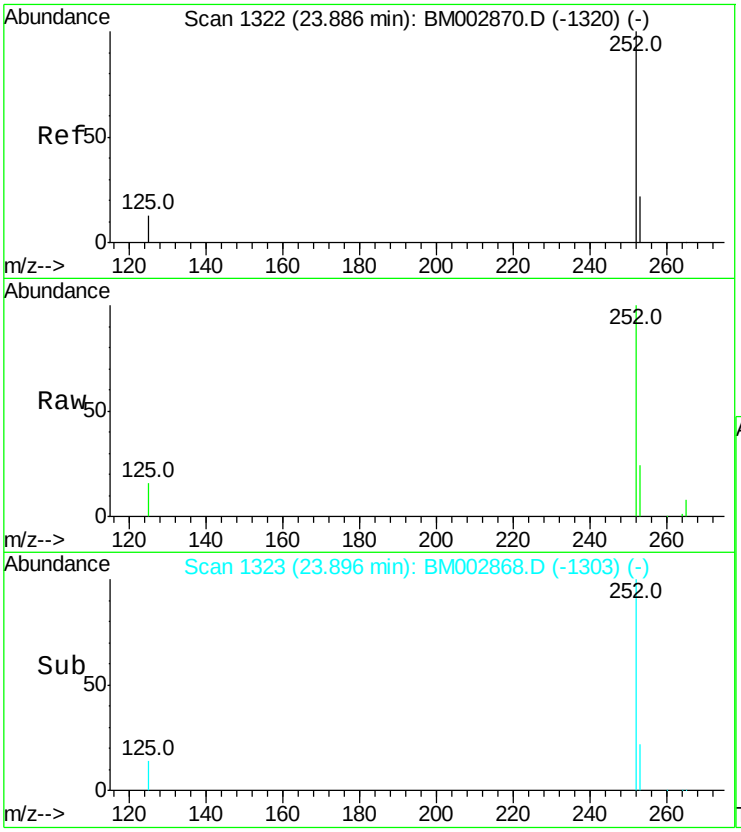


#36
Benzo(b)fluoranthene
Concen: 0.59 ng
RT: 23.84 min Scan# 1318
Delta R.T. 0.01 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:252 Resp: 37240

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	16.1	12.4	18.6

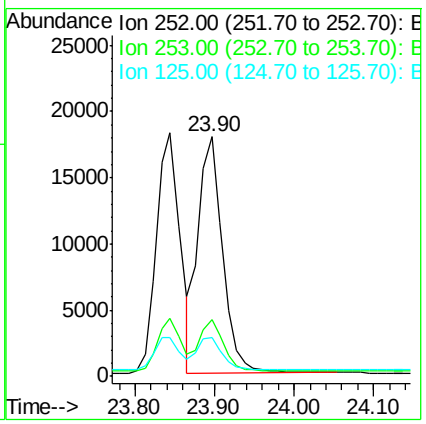




#37
Benzo(k)fluoranthene
Concen: 0.46 ng
RT: 23.90 min Scan# 1323
Delta R.T. 0.01 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

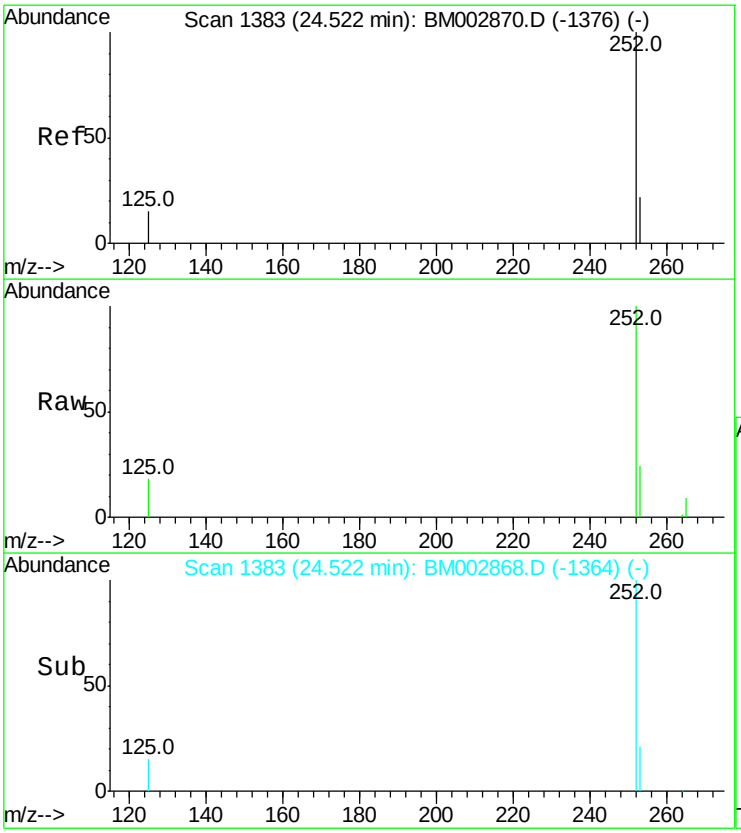
Tgt Ion:252 Resp: 38089

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	16.2	12.3	18.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

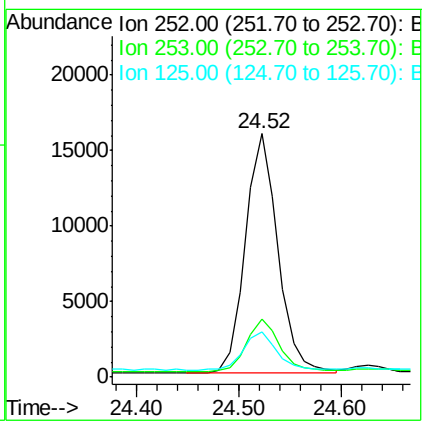
Manual Integrations APPROVED
MMdadoda
10/9/2015 1:48:23 PM

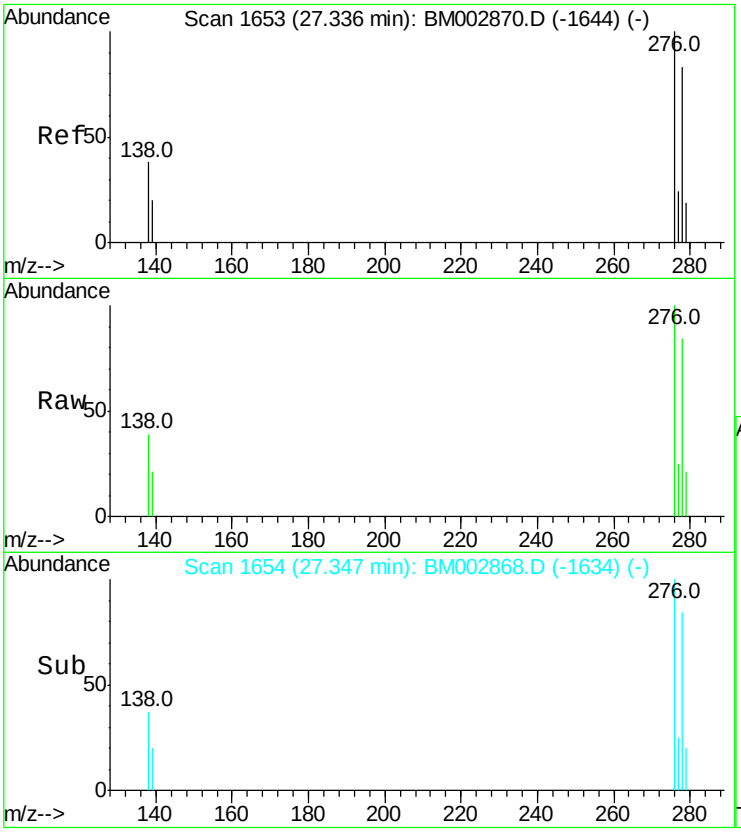


#38
Benzo(a)pyrene
Concen: 0.60 ng
RT: 24.52 min Scan# 1383
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:252 Resp: 35213

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	18.4	13.3	19.9

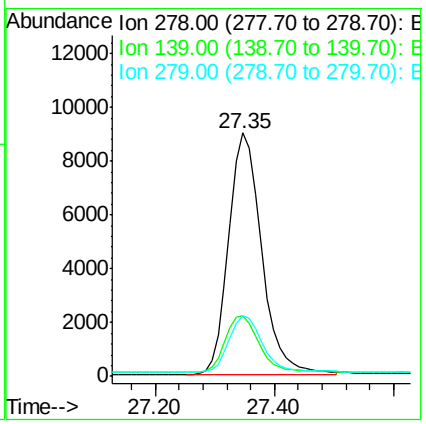




#39
Dibenzo(a,h)anthracene
Concen: 0.59 ng
RT: 27.35 min Scan# 1654
Delta R.T. 0.01 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

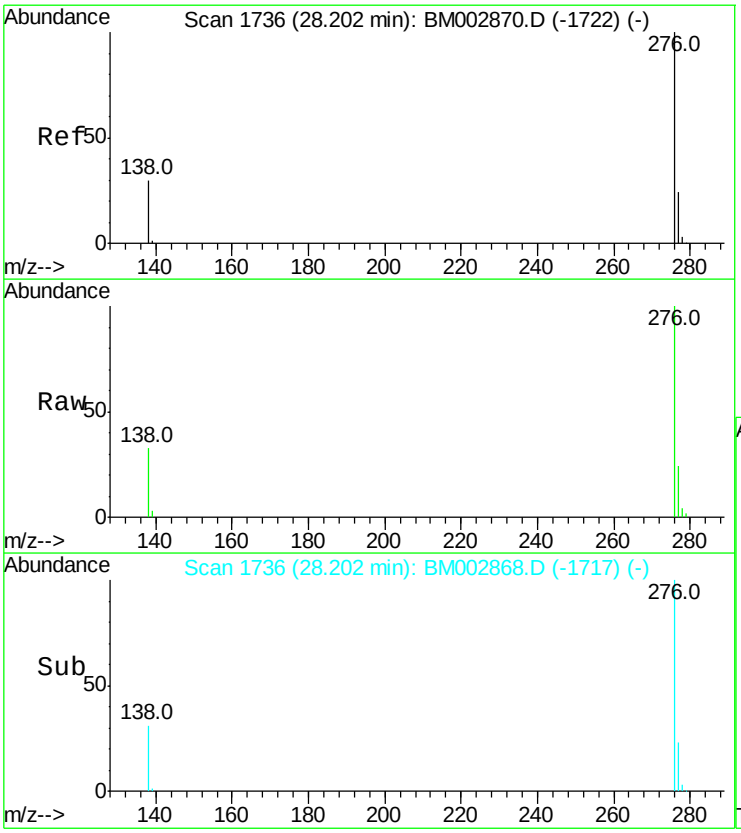
Tgt Ion:278 Resp: 34415

Ion	Ratio	Lower	Upper
278	100		
139	25.1	19.8	29.6
279	24.9	19.1	28.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
MMdadoda
10/9/2015 1:48:23 PM



#40
Benzo(g,h,i)perylene
Concen: 0.57 ng
RT: 28.20 min Scan# 1736
Delta R.T. -0.00 min
Lab File: BM002868.D
Acq: 08 Oct 2015 17:56

Tgt Ion:276 Resp: 35734

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.0
138	32.7	24.4	36.6