Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110415\
Data File : BM003051.D
Acq On : 04 Nov 2015 19:49
Operator : UM/IZ
Sample : SSTDICC0.5
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SSTDICC0.5

Manual Integrations APPROVED
Mmdadoda
11/5/2015 2:18:44 PM

Quant Time: Nov 16 18:45:47 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM110415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 04 23:47:38 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	90919	5.00	ng		0.02
7) Naphthalene-d8	10.54	136	374449	5.00	ng		0.00
13) Acenaphthene-d10	14.39	164	194494	5.00	ng		0.00
19) Phenanthrene-d10	17.14	188	455520	5.00	ng		0.00
26) Chrysene-d12	21.33	240	305530	5.00	ng		0.00
35) Perylene-d12	23.60	264	237924	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.35	112	9266	0.54	ng		0.00
5) Phenol-d6	6.92	99	10704	0.49	ng		0.00
8) Nitrobenzene-d5	8.92	82	8052	0.45	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	2277	0.38	ng		0.00
15) 2-Fluorobiphenyl	13.03	172	29737	0.48	ng		0.00
29) Terphenyl-d14	19.77	244	22768	0.50	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.26	88	4392	0.51	ng	#	100
3) n-Nitrosodimethylamine	3.57	42	4135	0.59	ng	#	100
6) bis(2-Chloroethyl)ether	7.19	93	10784	0.52	ng	#	1
9) Nitrobenzene	8.96	77	8578	0.45	ng	#	100
10) Naphthalene	10.60	128	39830	0.48	ng		98
11) Hexachlorobutadiene	10.89	225	6243	0.47	ng	#	100
12) 2-Methylnaphthalene	12.22	142	26058	0.47	ng		95
16) Acenaphthylene	14.11	152	34878	0.42	ng	#	100
17) Acenaphthene	14.46	154	26515	0.46	ng	#	100
18) Fluorene	15.46	166	27212	0.40	ng	#	100
20) 4-Bromophenyl-phenylether	16.32	248	6300	0.33	ng	#	100
21) Hexachlorobenzene	16.45	284	9462	0.41	ng	#	100
22) Pentachlorophenol	16.81	266	2256	0.80	ng	#	77
23) Phenanthrene	17.16	178	41624	0.38	ng	#	100
24) Anthracene	17.27	178	43654	0.43	ng	#	100
25) Fluoranthene	19.21	202	44195	0.38	ng	#	100
27) Benzidine	19.38	184	11893	0.34	ng	#	96
28) Pyrene	19.57	202	45918	0.51	ng	#	100
30) Benzo(a)anthracene	21.31	228	37427m	0.43	ng		
31) 3,3'-Dichlorobenzidine	21.25	252	8639	0.30	ng	#	77
32) Chrysene	21.37	228	45178m	0.53	ng		
33) Bis(2-ethylhexyl)phthalate	21.25	149	13934	0.29	ng	#	100
34) Indeno(1,2,3-cd)pyrene	25.89	276	35585m	0.42	ng		
36) Benzo(b)fluoranthene	22.91	252	37781	0.55	ng		98
37) Benzo(k)fluoranthene	22.96	252	34535	0.52	ng		98
38) Benzo(a)pyrene	23.50	252	28309	0.47	ng		97
39) Dibenzo(a,h)anthracene	25.91	278	28146	0.48	ng		96
40) Benzo(g,h,i)perylene	26.58	276	30611	0.50	ng		99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110415\
Data File : BM003051.D
Acq On : 04 Nov 2015 19:49
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Misc :
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Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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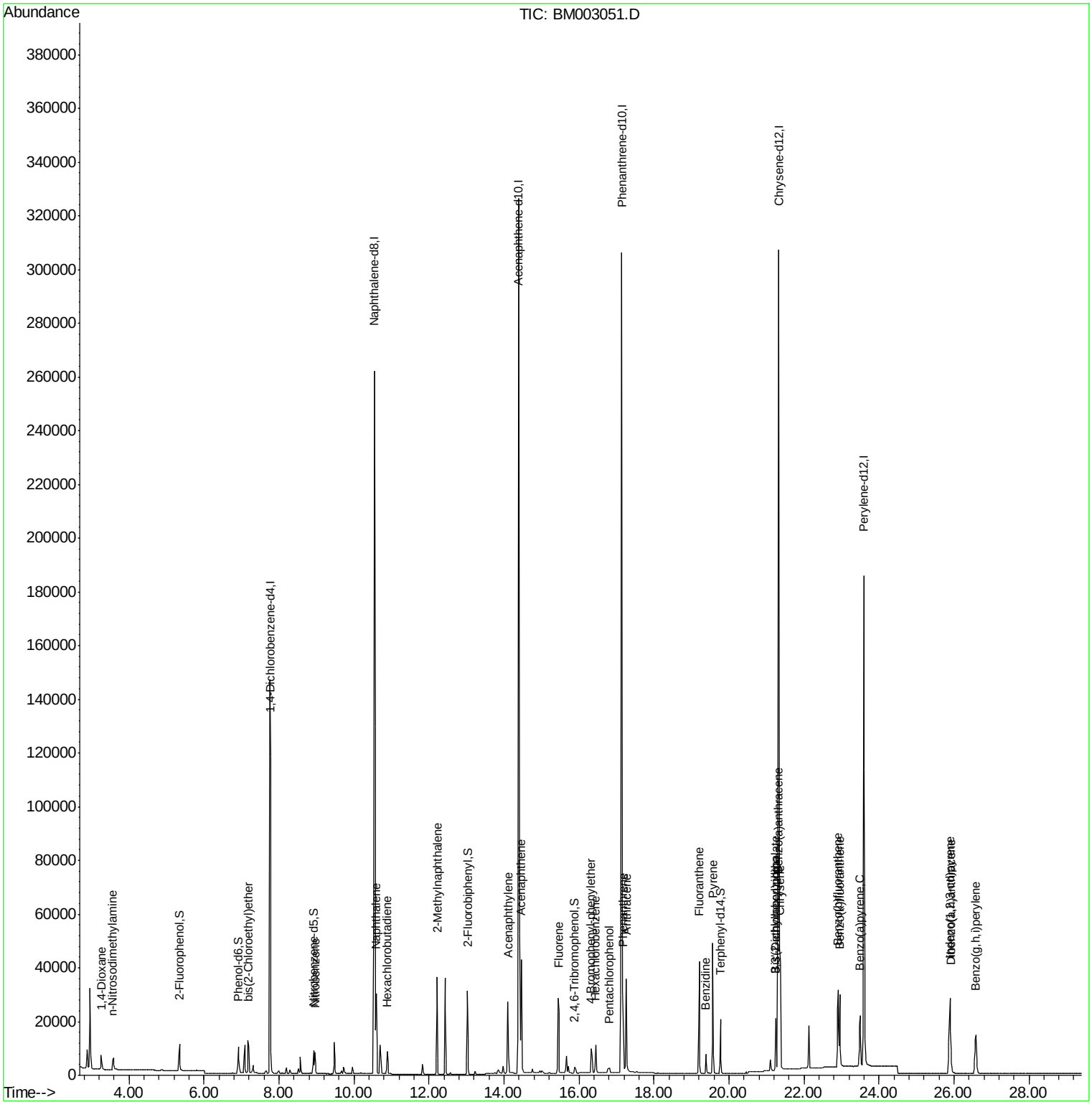
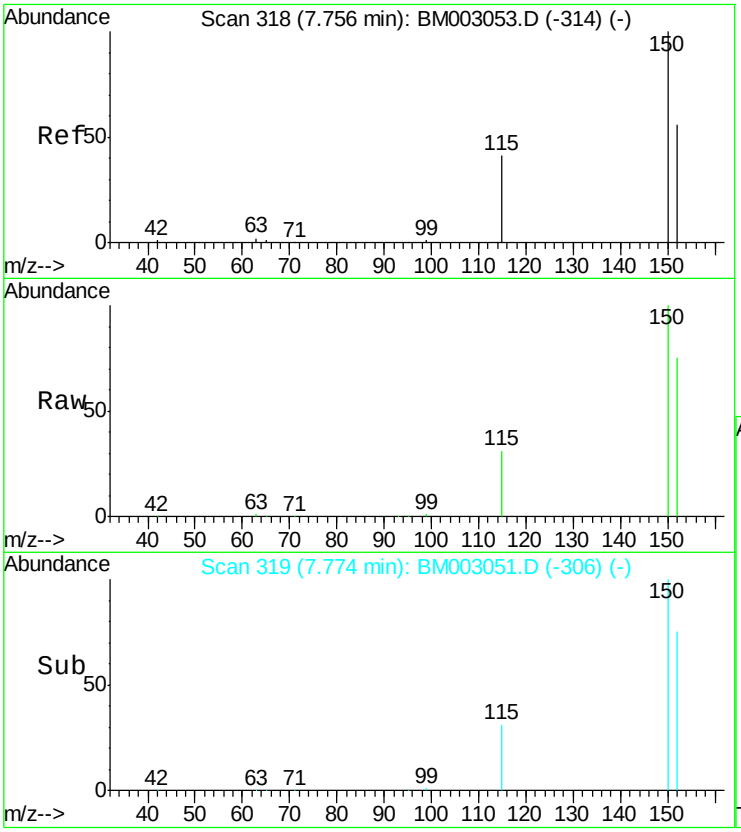
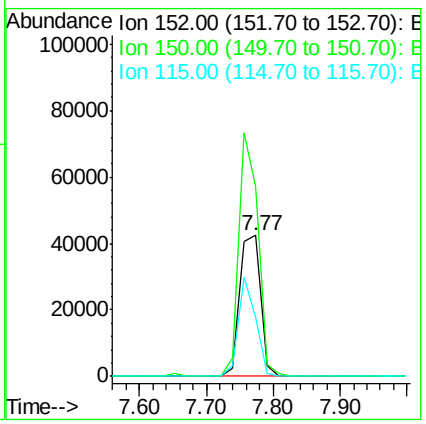




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.77 min Scan# 319
Delta R.T. 0.02 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:152 Resp: 90919

Ion	Ratio	Lower	Upper
152	100		
150	134.1	143.6	215.4#
115	42.0	58.5	87.7#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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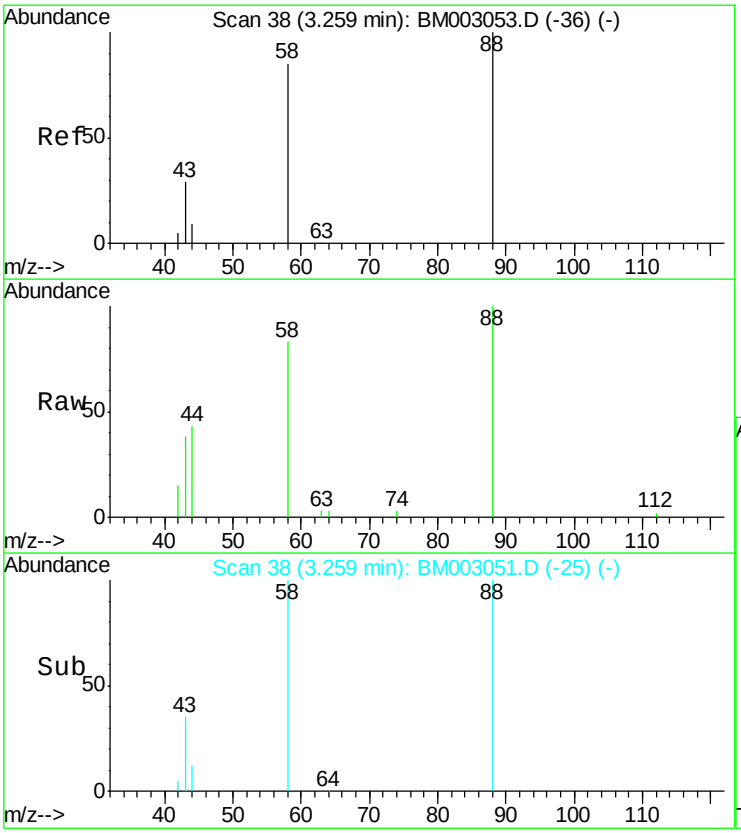
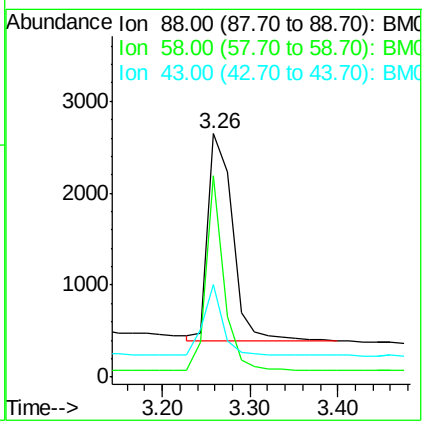
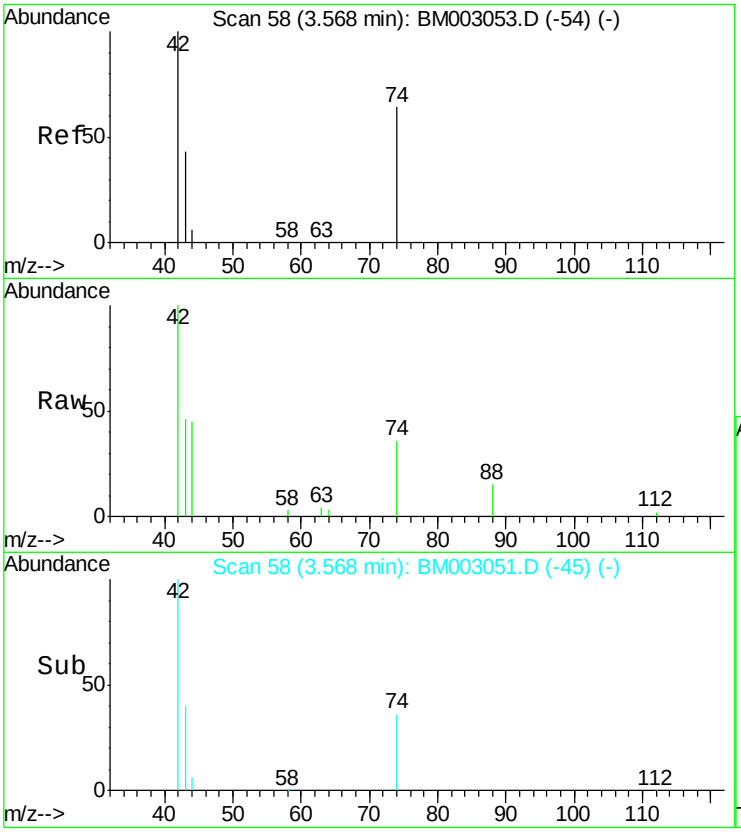


#2
1,4-Dioxane
Concen: 0.51 ng
RT: 3.26 min Scan# 38
Delta R.T. 0.00 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion: 88 Resp: 4392

Ion	Ratio	Lower	Upper
88	100		
58	67.8	0.0	0.0#
43	27.6	0.0	0.0#





#3
n-Nitrosodimethylamine
Concen: 0.59 ng
RT: 3.57 min Scan# 58
Delta R.T. 0.00 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion: 42 Resp: 4135

Ion	Ratio	Lower	Upper
42	100		
74	125.4	0.0	0.0#
44	8.4	0.0	0.0#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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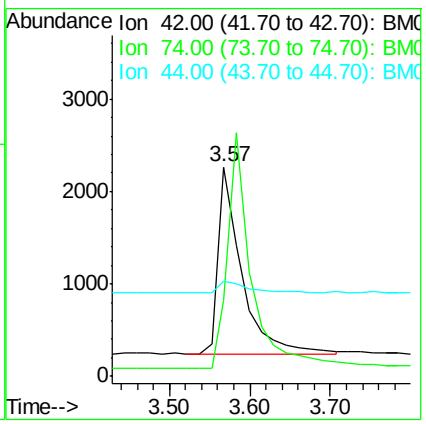
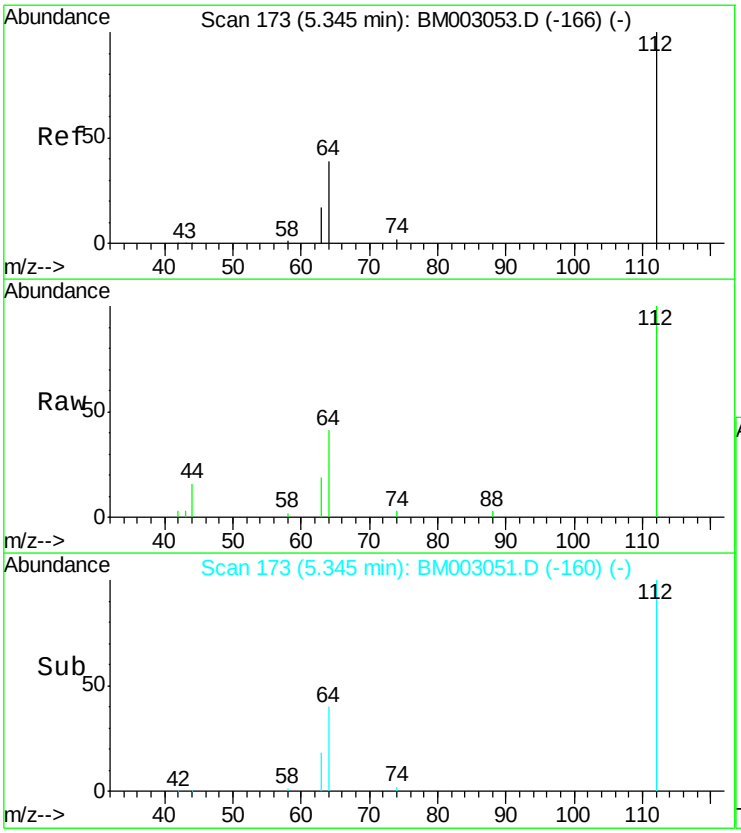
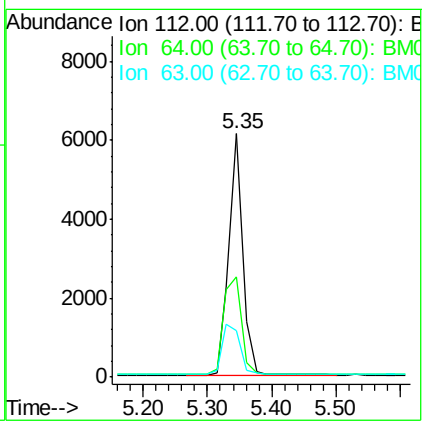


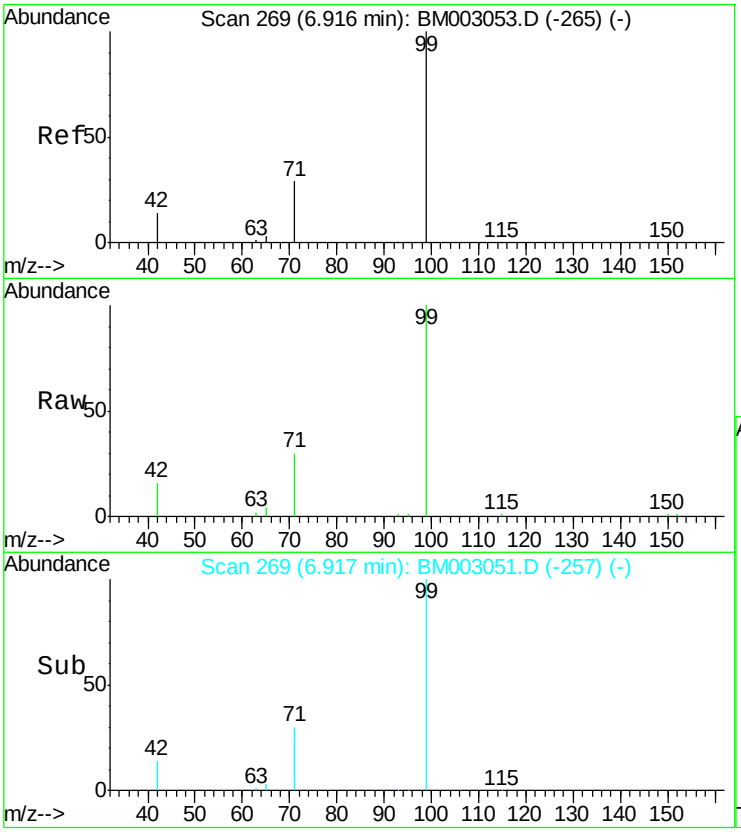


#4
2-Fluorophenol
Concen: 0.54 ng
RT: 5.35 min Scan# 173
Delta R.T. 0.00 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:112 Resp: 9266

Ion	Ratio	Lower	Upper
112	100		
64	51.1	0.0	0.0#
63	26.6	0.0	0.0#





#5
Phenol-d6
Concen: 0.49 ng
RT: 6.92 min Scan# 269
Delta R.T. 0.00 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion: 99 Resp: 10704

Ion	Ratio	Lower	Upper
99	100		
42	18.5	3.4	5.0#
71	29.6	1.0	1.4#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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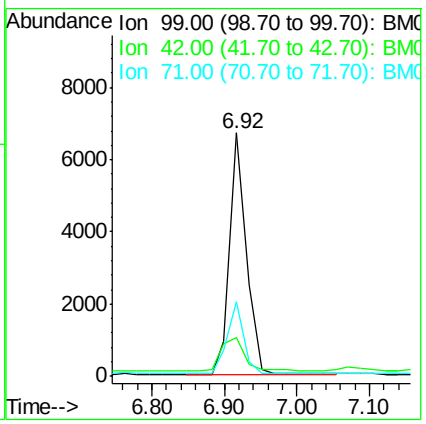
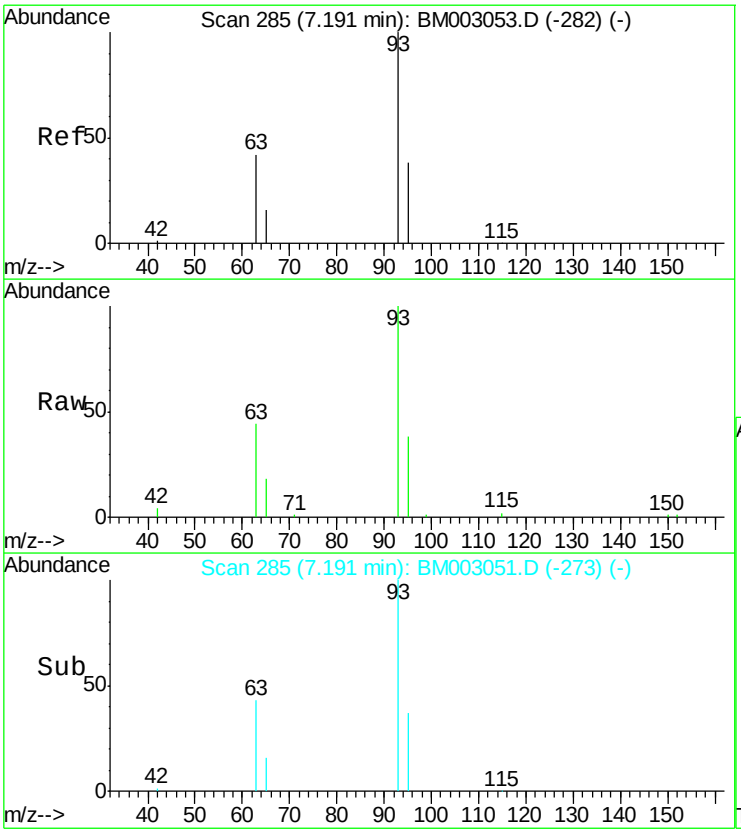
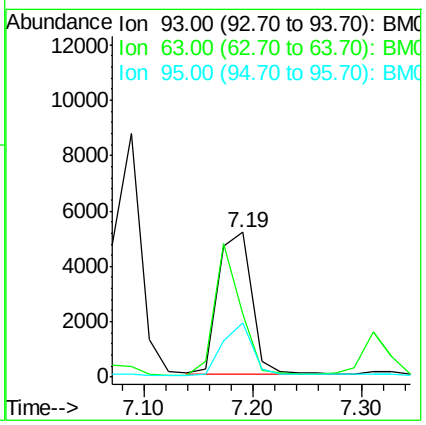


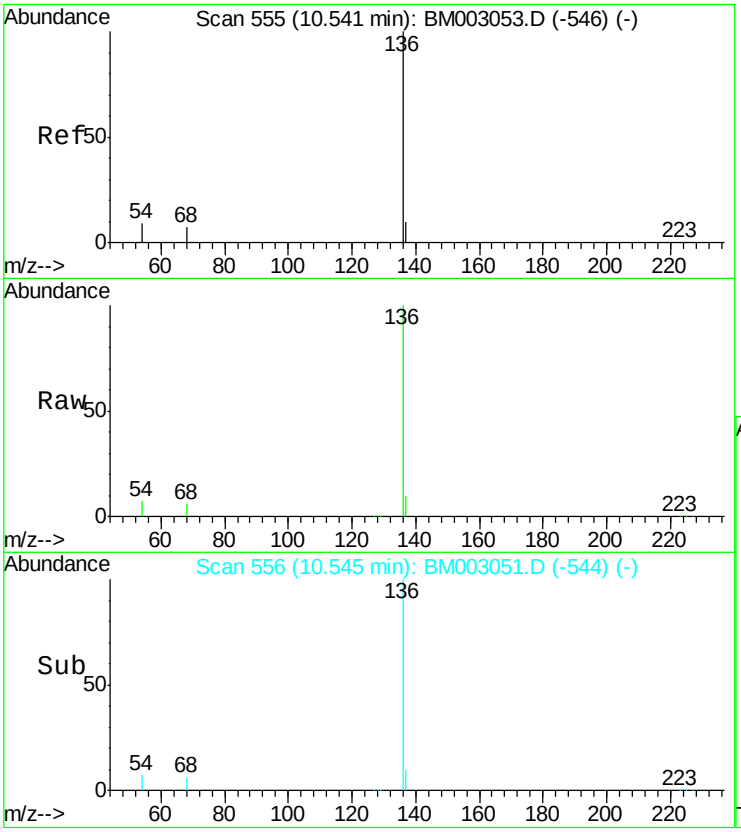


#6
bis(2-Chloroethyl)ether
Concen: 0.52 ng
RT: 7.19 min Scan# 285
Delta R.T. 0.00 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion: 93 Resp: 10784

Ion	Ratio	Lower	Upper
93	100		
63	72.8	5.2	7.8#
95	32.6	0.0	0.0#

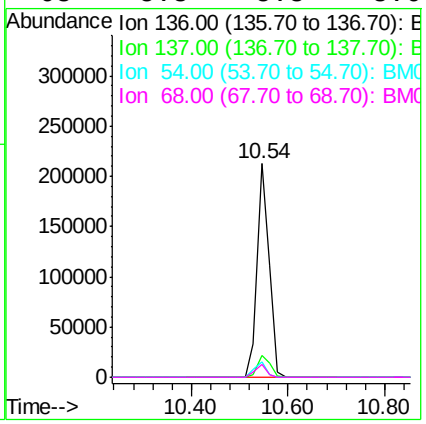




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.54 min Scan# 556
Delta R.T. 0.00 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:136 Resp: 374449

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.0	12.0
54	7.1	7.4	11.0#
68	5.8	5.8	8.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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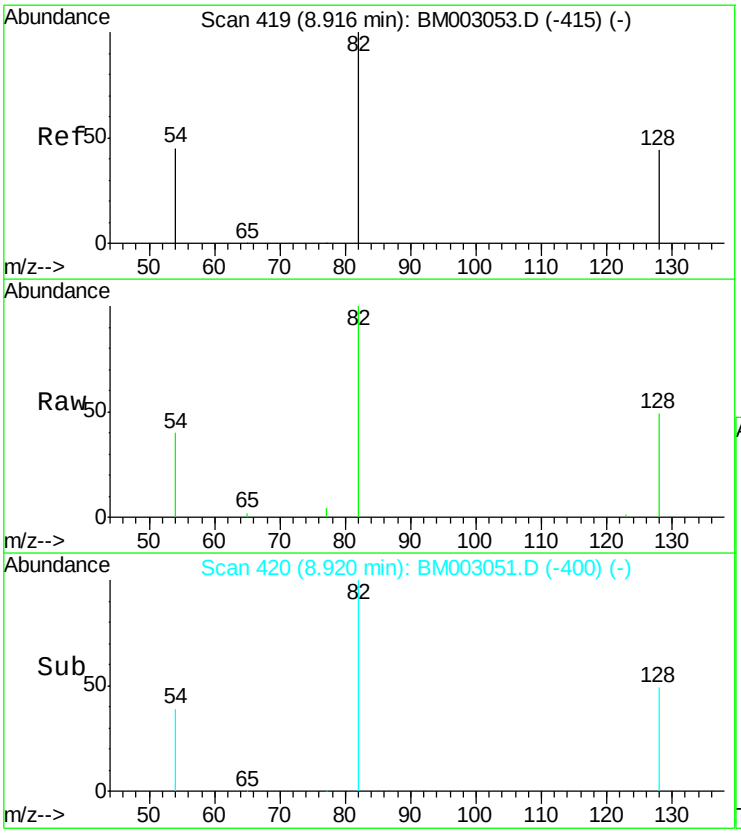
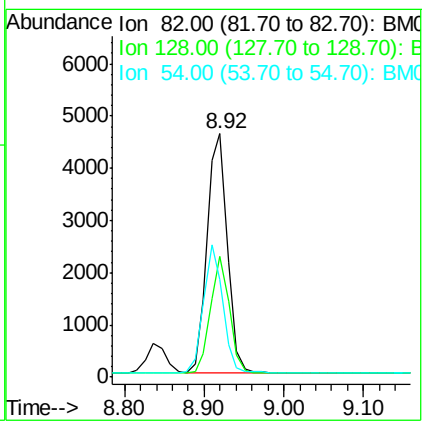
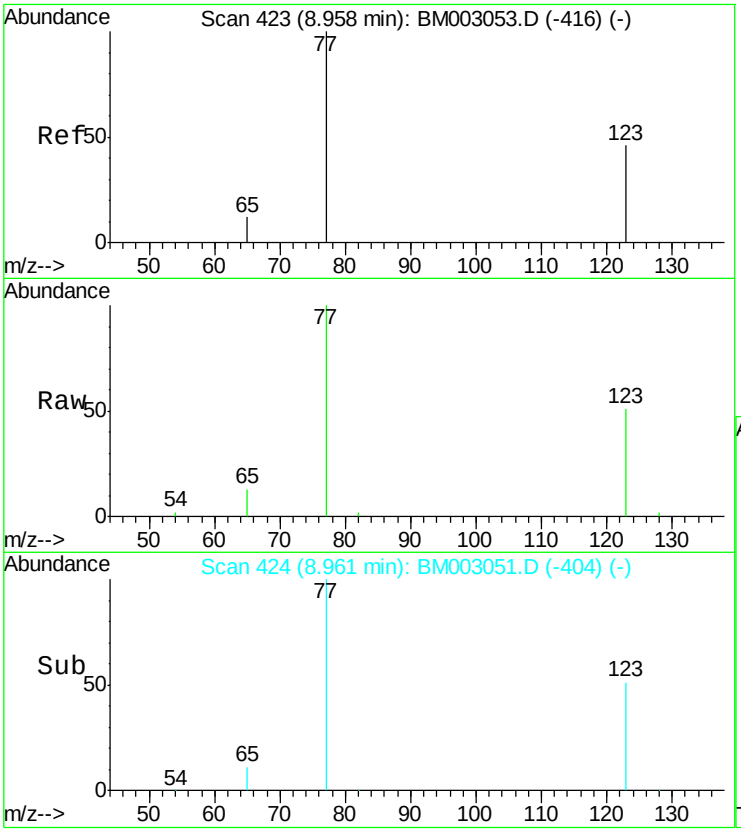


#8
Nitrobenzene-d5
Concen: 0.45 ng
RT: 8.92 min Scan# 420
Delta R.T. 0.00 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion: 82 Resp: 8052

Ion	Ratio	Lower	Upper
82	100		
128	49.5	35.2	52.8
54	40.0	36.4	54.6

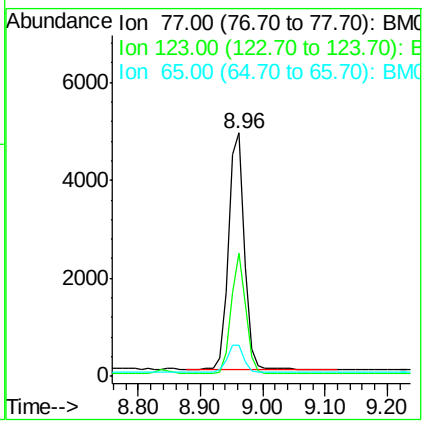




#9
Nitrobenzene
Concen: 0.45 ng
RT: 8.96 min Scan# 424
Delta R.T. 0.00 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion: 77 Resp: 8578

Ion	Ratio	Lower	Upper
77	100		
123	46.8	0.0	0.0#
65	12.1	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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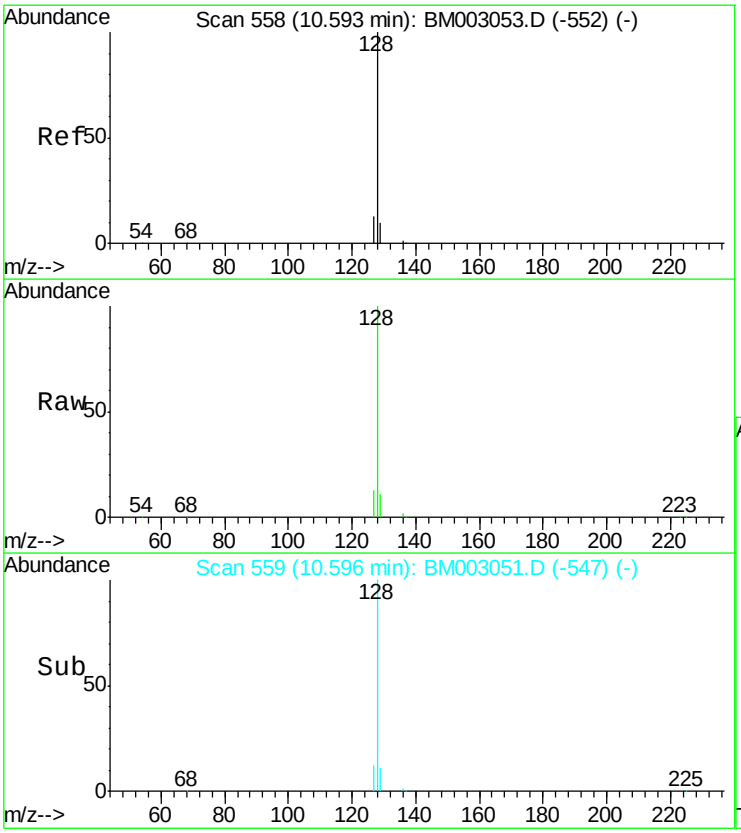
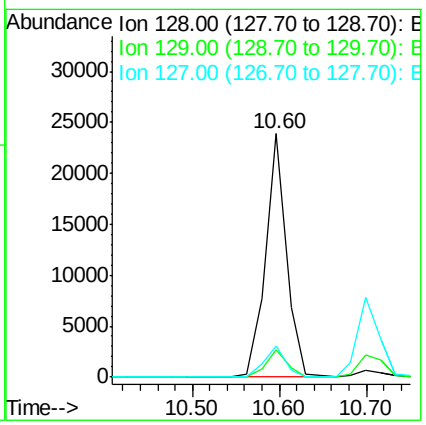
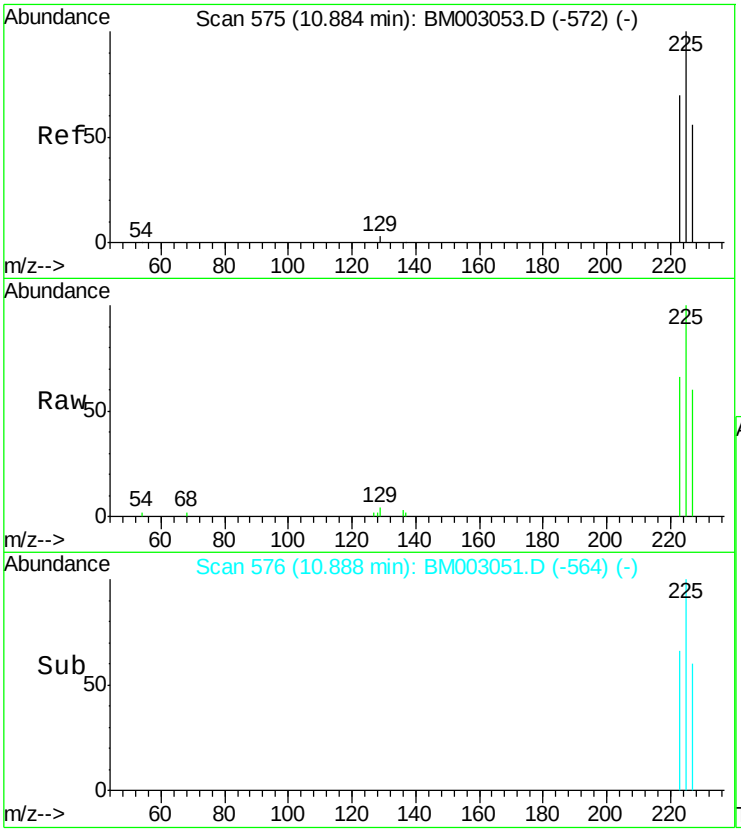


#10
Naphthalene
Concen: 0.48 ng
RT: 10.60 min Scan# 559
Delta R.T. 0.00 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:128 Resp: 39830

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.5	12.7
127	12.5	10.6	16.0

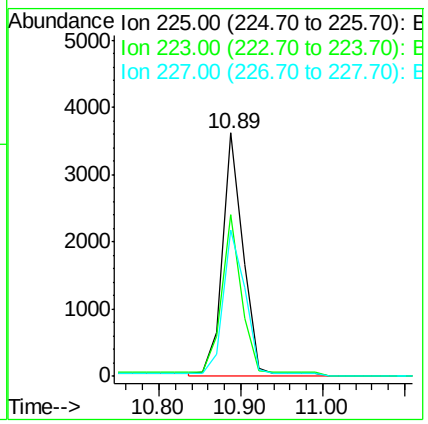




#11
Hexachlorobutadiene
Concen: 0.47 ng
RT: 10.89 min Scan# 576
Delta R.T. 0.00 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:225 Resp: 6243

Ion	Ratio	Lower	Upper
225	100		
223	67.2	0.0	0.0#
227	66.4	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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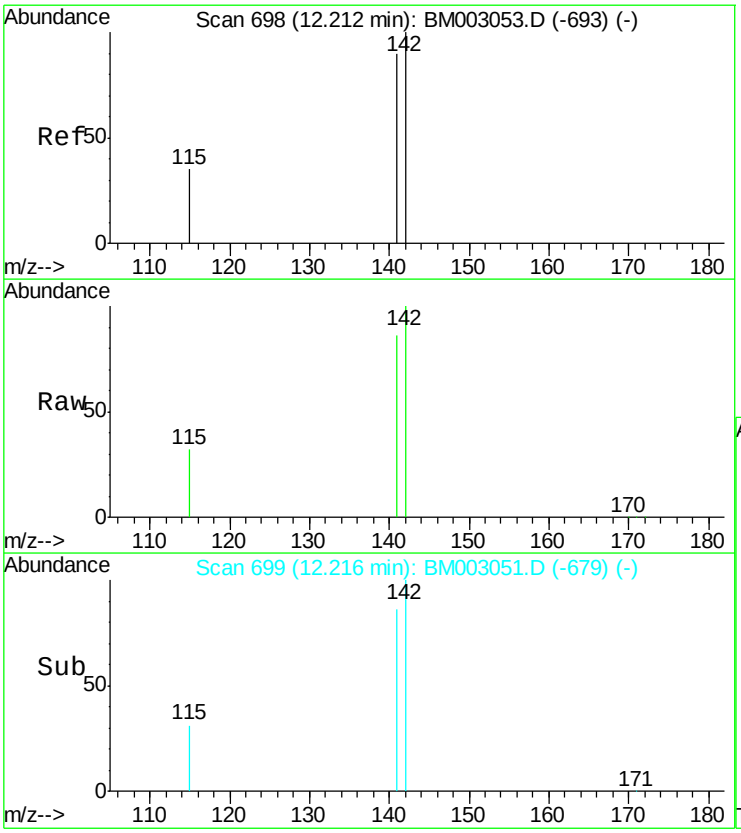
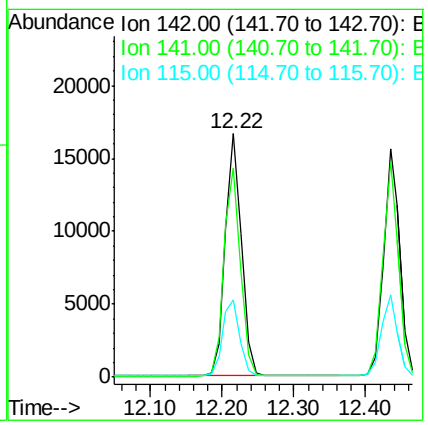
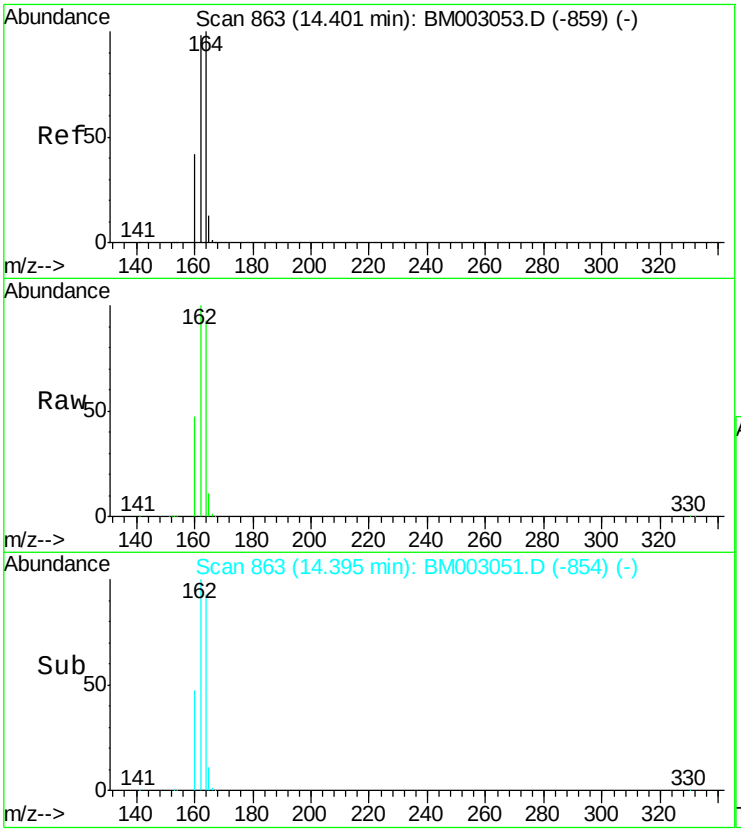


#12
2-Methylnaphthalene
Concen: 0.47 ng
RT: 12.22 min Scan# 699
Delta R.T. 0.00 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:142 Resp: 26058

Ion	Ratio	Lower	Upper
142	100		
141	85.9	72.2	108.2
115	31.7	28.0	42.0





#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.39 min Scan# 863
Delta R.T. -0.01 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:164 Resp: 194494

Ion	Ratio	Lower	Upper
164	100		
162	107.1	78.3	117.5
160	50.8	33.8	50.6#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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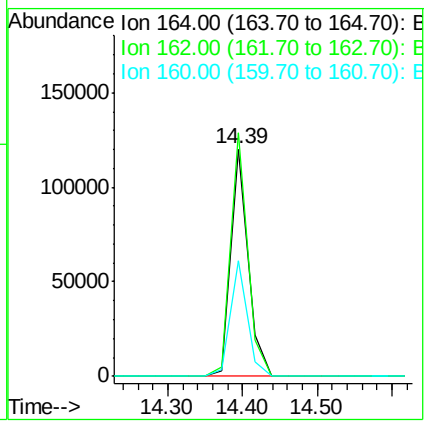
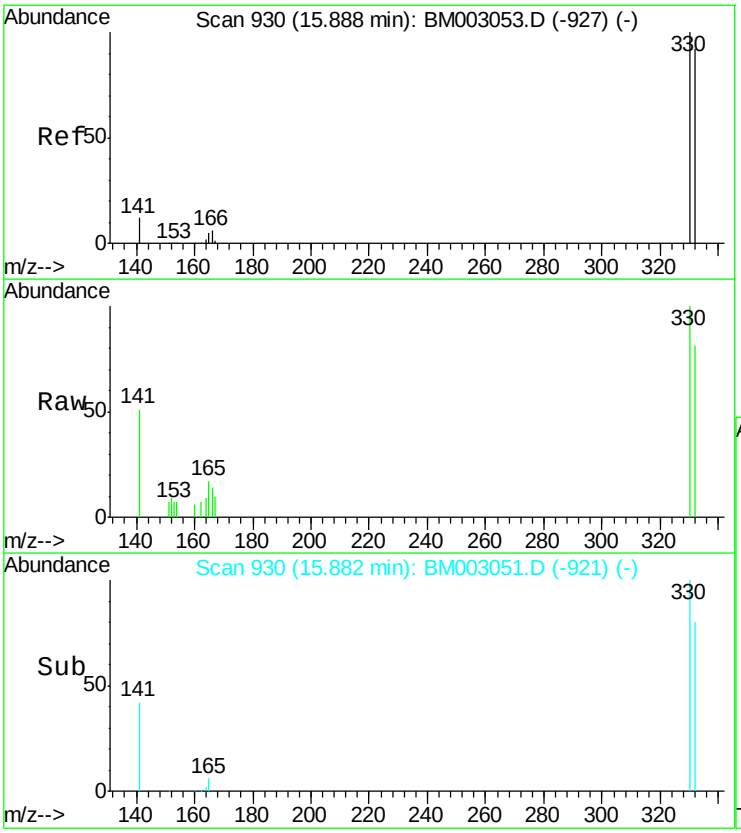
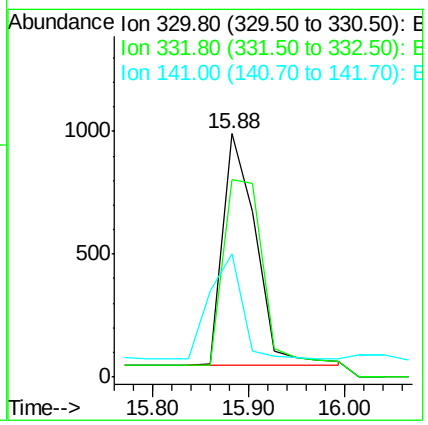


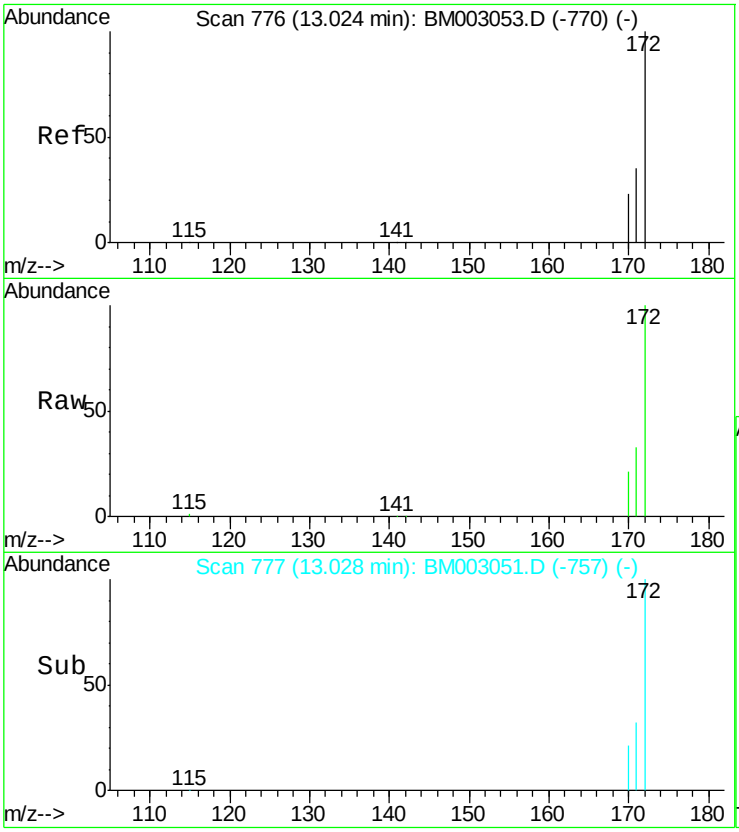


#14
2,4,6-Tribromophenol
Concen: 0.38 ng
RT: 15.88 min Scan# 930
Delta R.T. -0.01 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:330 Resp: 2277

Ion	Ratio	Lower	Upper
330	100		
332	96.0	0.0	0.0#
141	44.6	0.0	0.0#

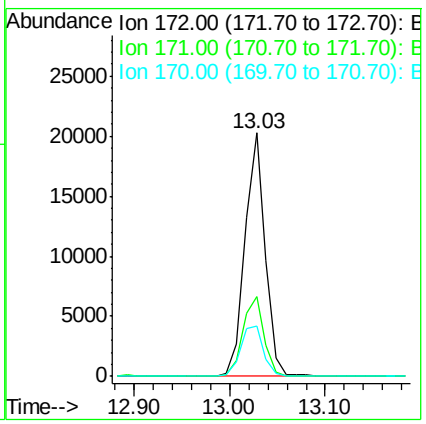




#15
2-Fluorobiphenyl
Concen: 0.48 ng
RT: 13.03 min Scan# 777
Delta R.T. 0.00 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:172 Resp: 29737

Ion	Ratio	Lower	Upper
172	100		
171	32.7	28.0	42.0
170	20.8	18.9	28.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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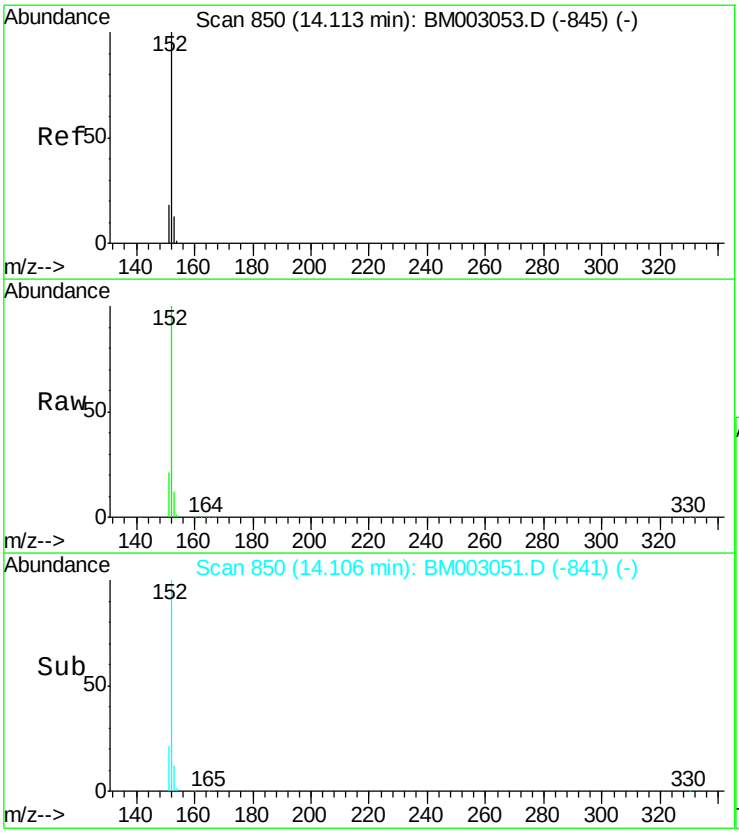
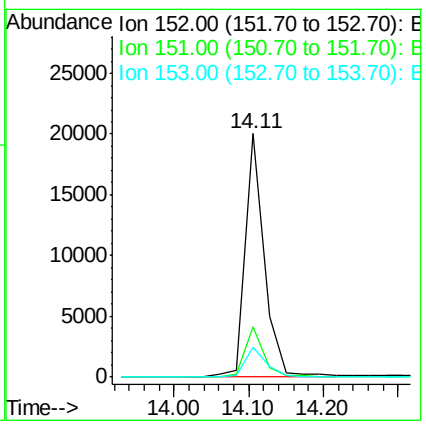
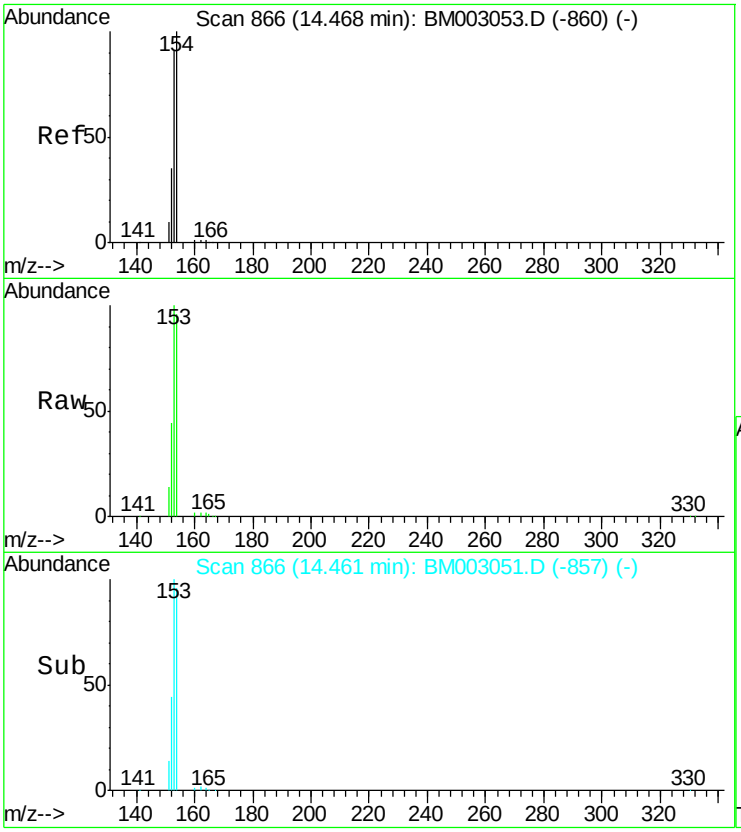


#16
Acenaphthylene
Concen: 0.42 ng
RT: 14.11 min Scan# 850
Delta R.T. -0.01 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:152 Resp: 34878

Ion	Ratio	Lower	Upper
152	100		
151	19.4	0.0	0.0#
153	12.8	0.0	0.0#

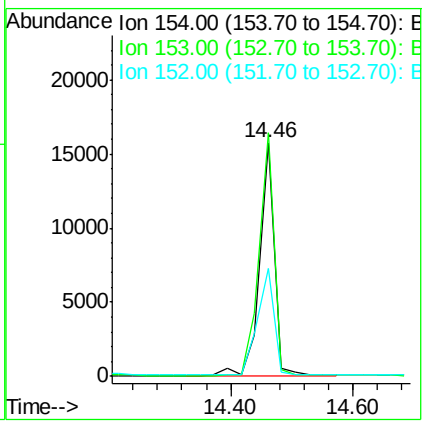




#17
Acenaphthene
Concen: 0.46 ng
RT: 14.46 min Scan# 866
Delta R.T. -0.01 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:154 Resp: 26515

Ion	Ratio	Lower	Upper
154	100		
153	106.0	0.0	0.0#
152	50.9	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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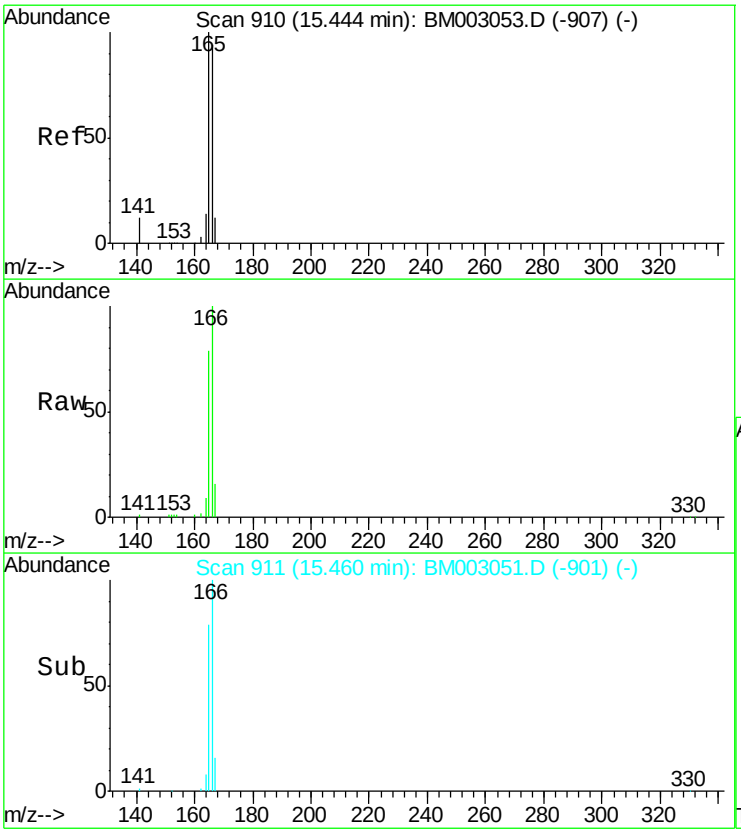
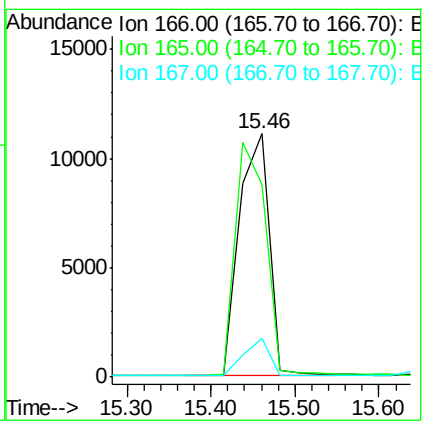
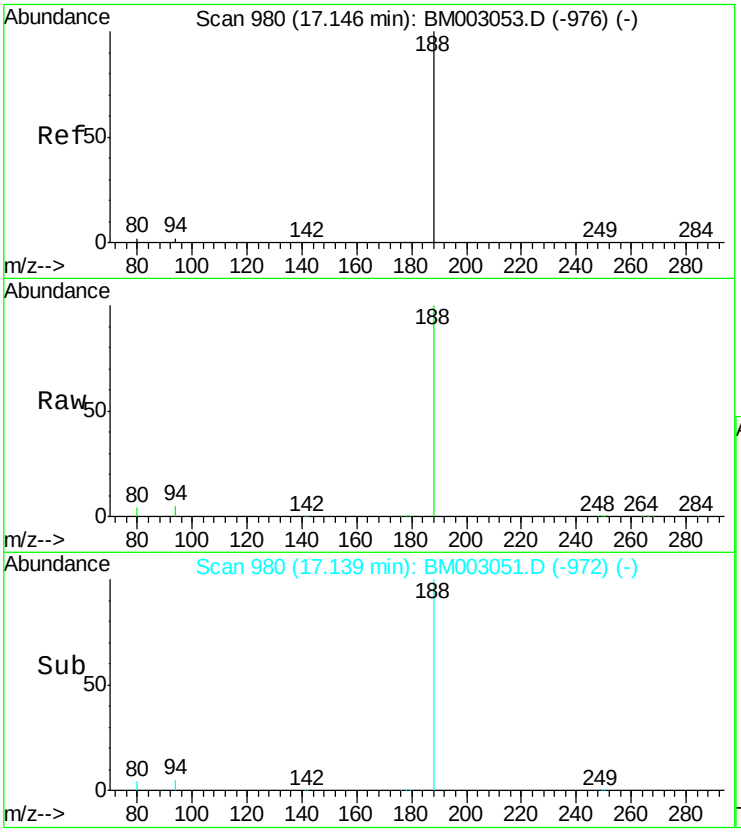


#18
Fluorene
Concen: 0.40 ng
RT: 15.46 min Scan# 911
Delta R.T. 0.02 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:166 Resp: 27212

Ion	Ratio	Lower	Upper
166	100		
165	0.0	0.0	0.0
167	13.7	0.0	0.0#





#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 980
Delta R.T. -0.01 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:188 Resp: 455520

Ion	Ratio	Lower	Upper
188	100		
94	5.3	1.8	2.6#
80	4.5	1.4	2.0#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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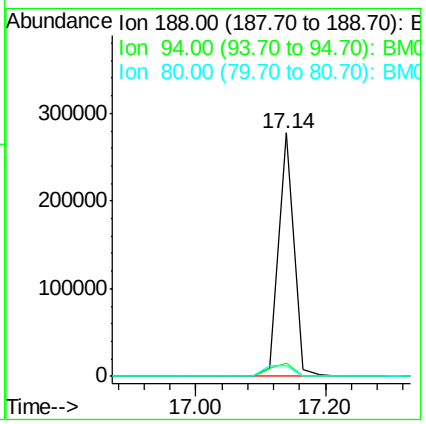
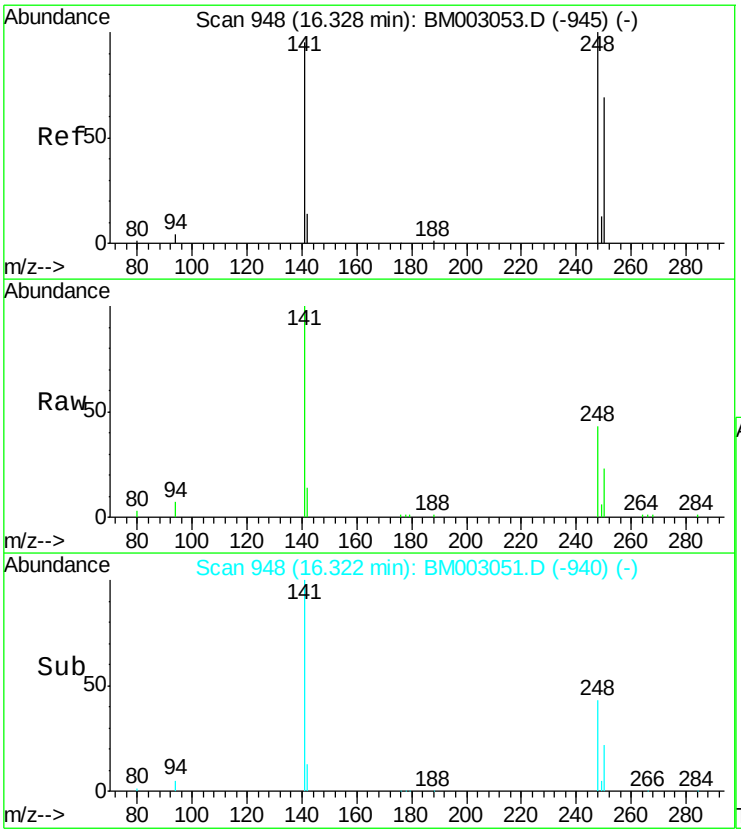
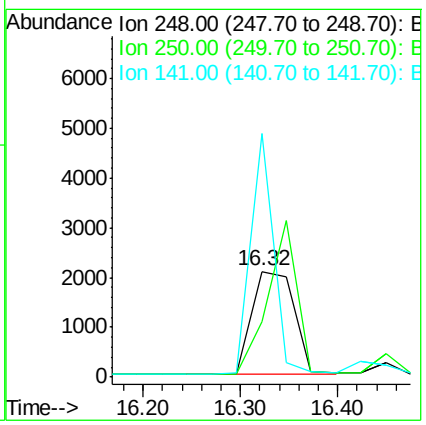


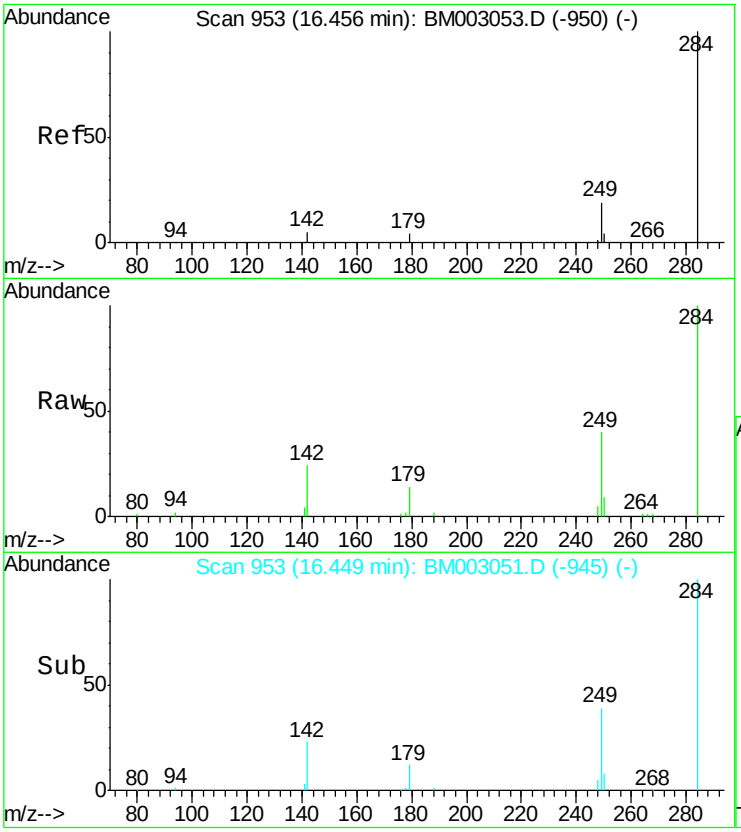


#20
4-Bromophenyl-phenylether
Concen: 0.33 ng
RT: 16.32 min Scan# 948
Delta R.T. -0.01 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:248 Resp: 6300

Ion	Ratio	Lower	Upper
248	100		
250	0.0	0.0	0.0
141	125.3	0.0	0.0#

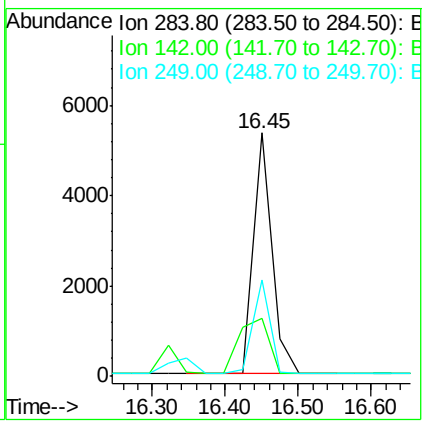




#21
Hexachlorobenzene
Concen: 0.41 ng
RT: 16.45 min Scan# 953
Delta R.T. -0.01 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:284 Resp: 9462

Ion	Ratio	Lower	Upper
284	100		
142	36.9	0.0	0.0#
249	35.5	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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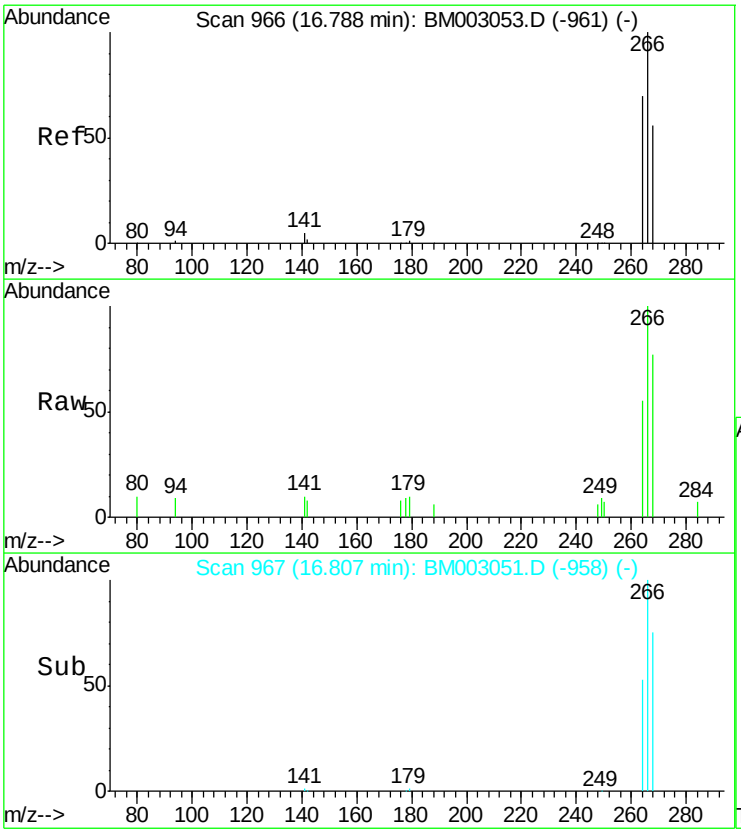
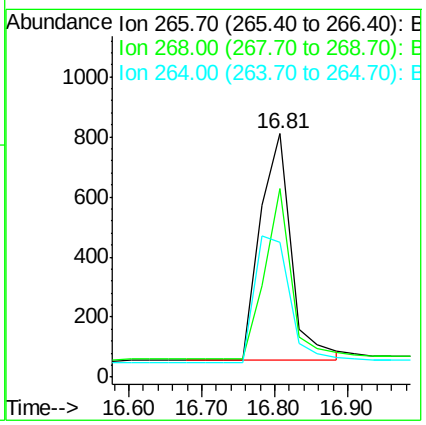
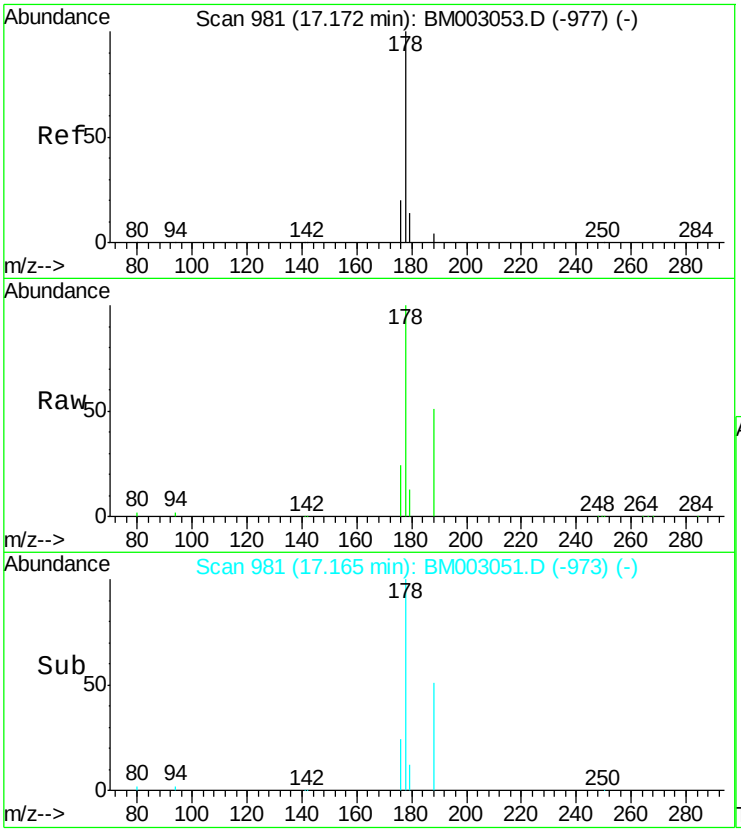


#22
Pentachlorophenol
Concen: 0.80 ng
RT: 16.81 min Scan# 967
Delta R.T. 0.02 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:266 Resp: 2256

Ion	Ratio	Lower	Upper
266	100		
268	77.4	45.8	68.8#
264	55.1	56.7	85.1#

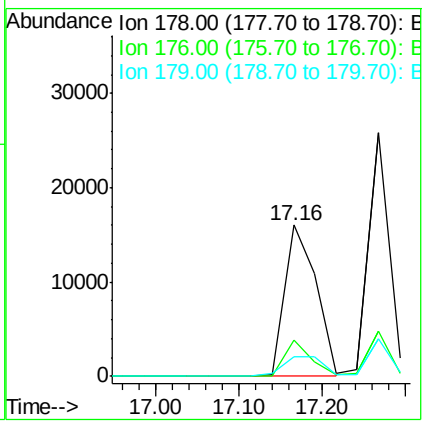




#23
Phenanthrene
Concen: 0.38 ng
RT: 17.16 min Scan# 981
Delta R.T. -0.01 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:178 Resp: 41624

Ion	Ratio	Lower	Upper
178	100		
176	19.8	0.0	0.0#
179	0.0	0.0	0.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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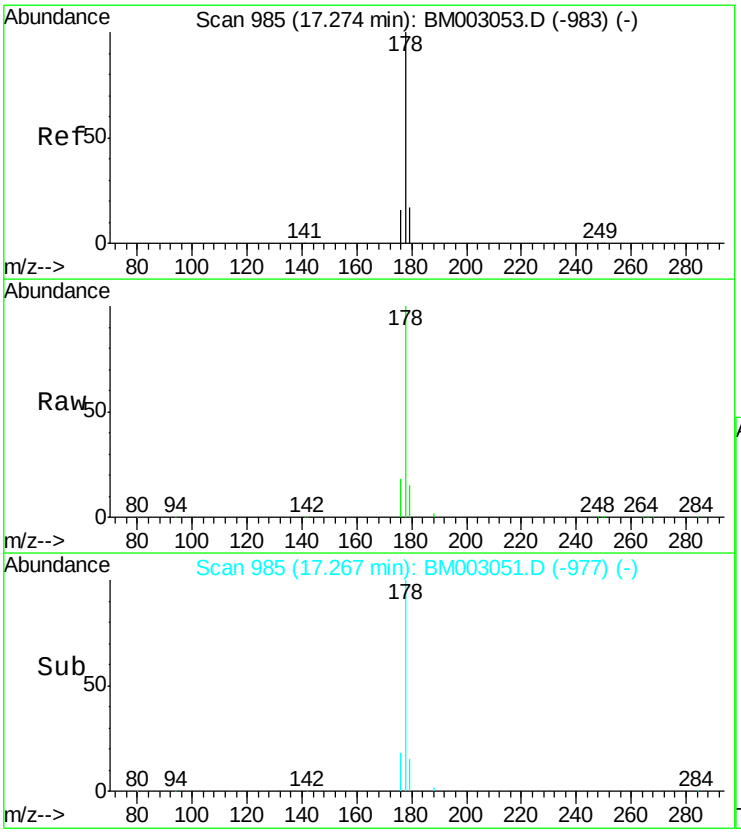
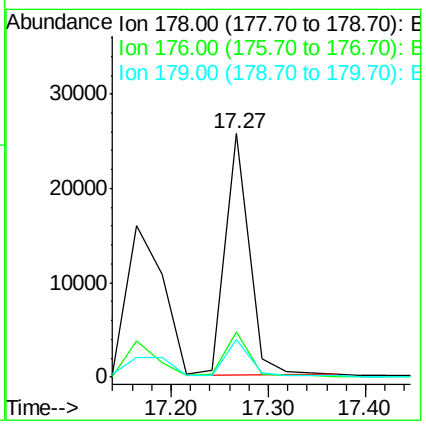
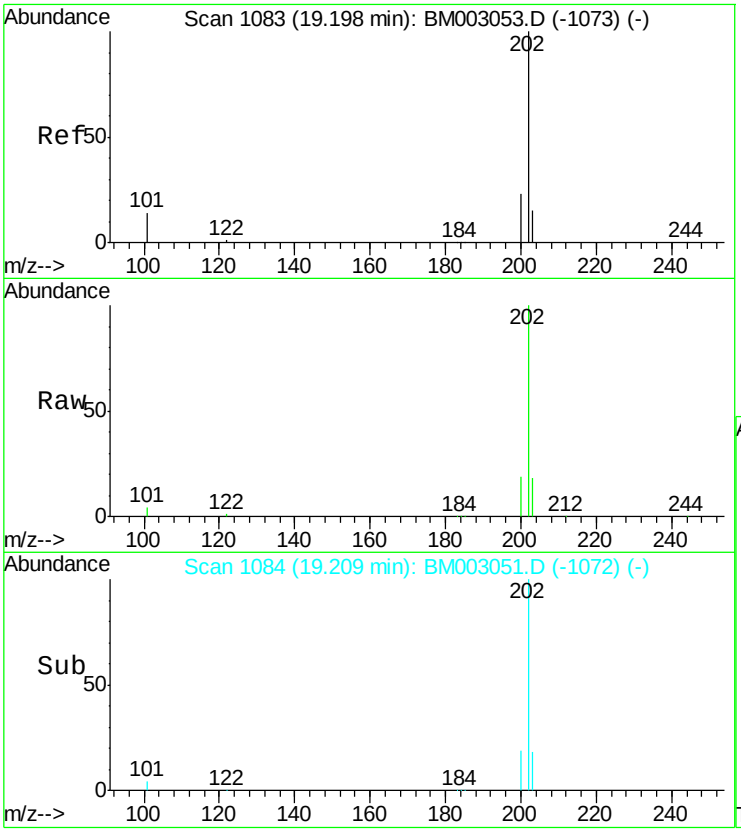


#24
Anthracene
Concen: 0.43 ng
RT: 17.27 min Scan# 985
Delta R.T. -0.01 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:178 Resp: 43654

Ion	Ratio	Lower	Upper
178	100		
176	18.2	0.0	0.0#
179	15.2	0.0	0.0#

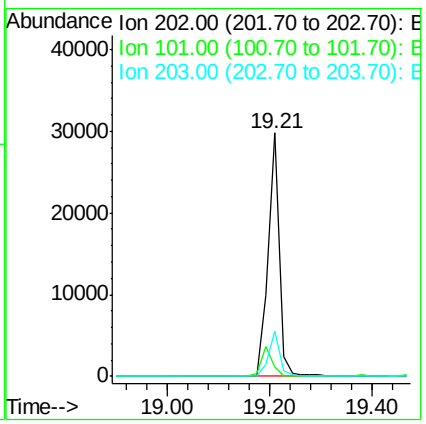




#25
Fluoranthene
Concen: 0.38 ng
RT: 19.21 min Scan# 1084
Delta R.T. 0.01 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:202 Resp: 44195

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	0.0#
203	17.6	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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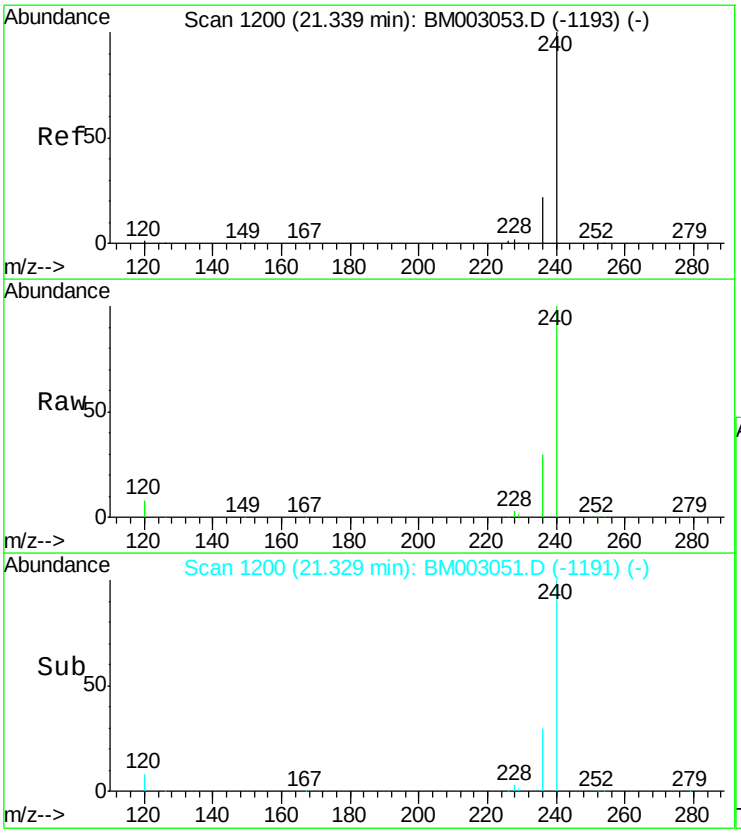
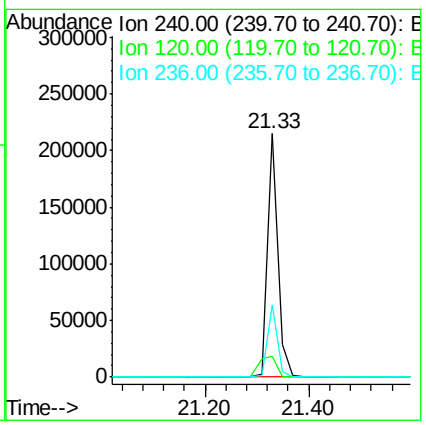
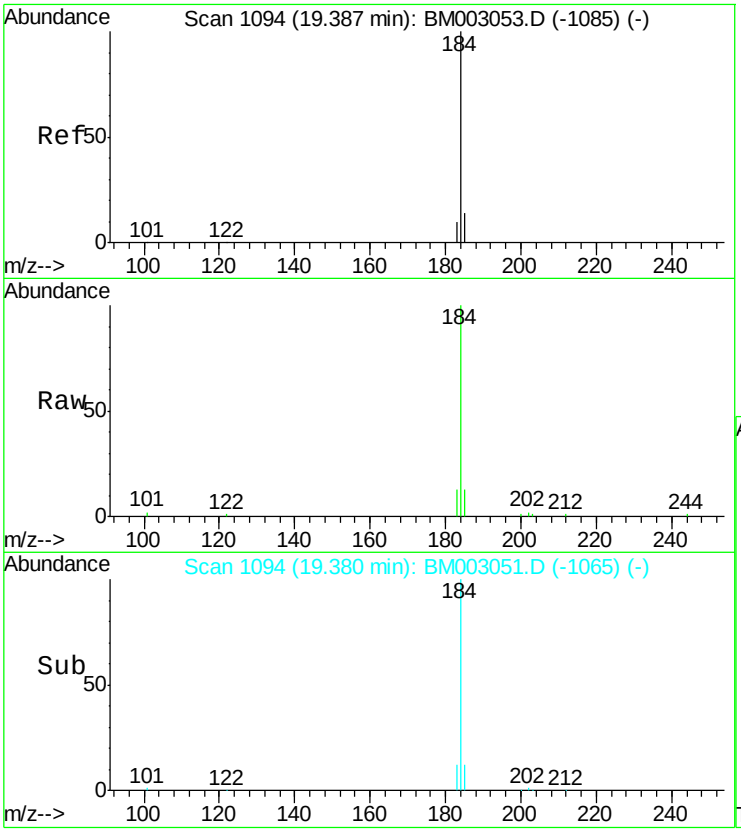


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.33 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:240 Resp: 305530

Ion	Ratio	Lower	Upper
240	100		
120	8.5	1.0	1.4#
236	29.7	17.9	26.9#





#27
Benzidine
Concen: 0.34 ng
RT: 19.38 min Scan# 1094
Delta R.T. -0.01 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:184 Resp: 11893

Ion	Ratio	Lower	Upper
184	100		
185	13.3	11.6	17.4
183	13.2	8.6	13.0#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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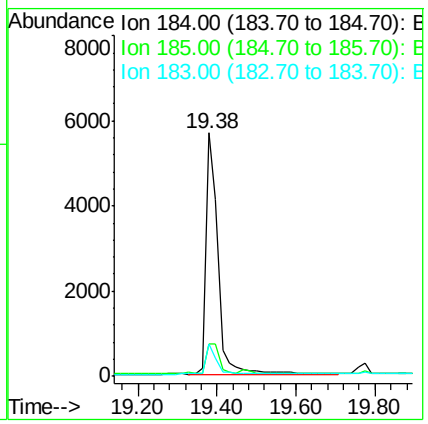
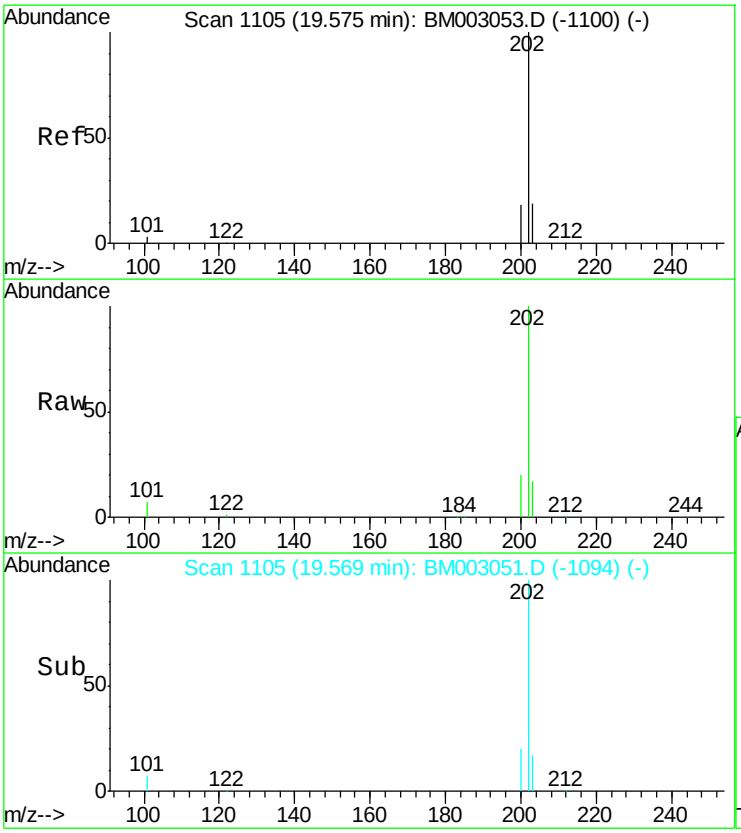
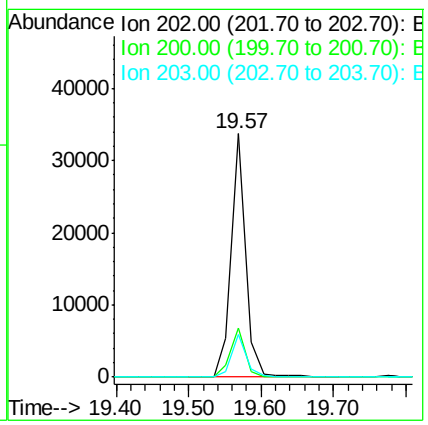


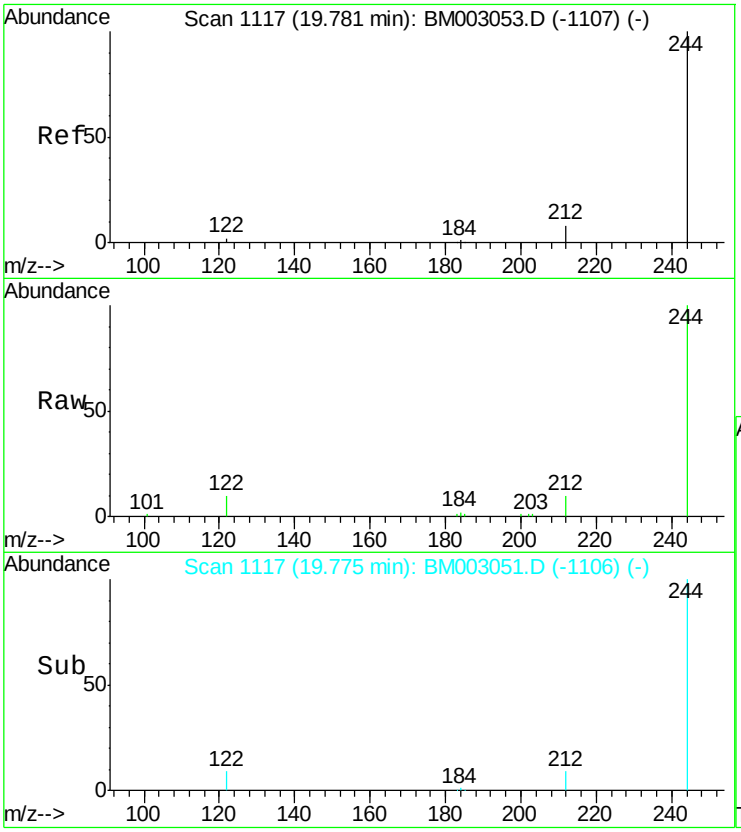


#28
Pyrene
Concen: 0.51 ng
RT: 19.57 min Scan# 1105
Delta R.T. -0.01 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:202 Resp: 45918

Ion	Ratio	Lower	Upper
202	100		
200	20.7	0.0	0.0#
203	17.5	0.0	0.0#





#29
Terphenyl-d14
Concen: 0.50 ng
RT: 19.77 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:244 Resp: 22768

Ion	Ratio	Lower	Upper
244	100		
212	9.8	6.5	9.7#
122	9.9	2.0	3.0#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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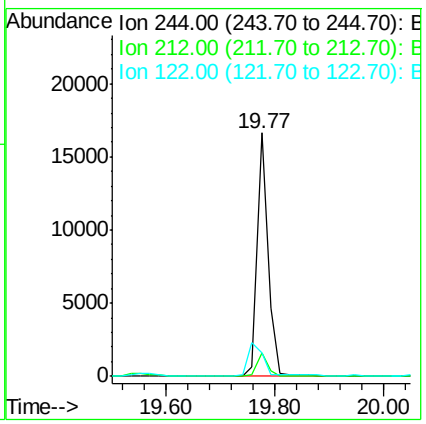
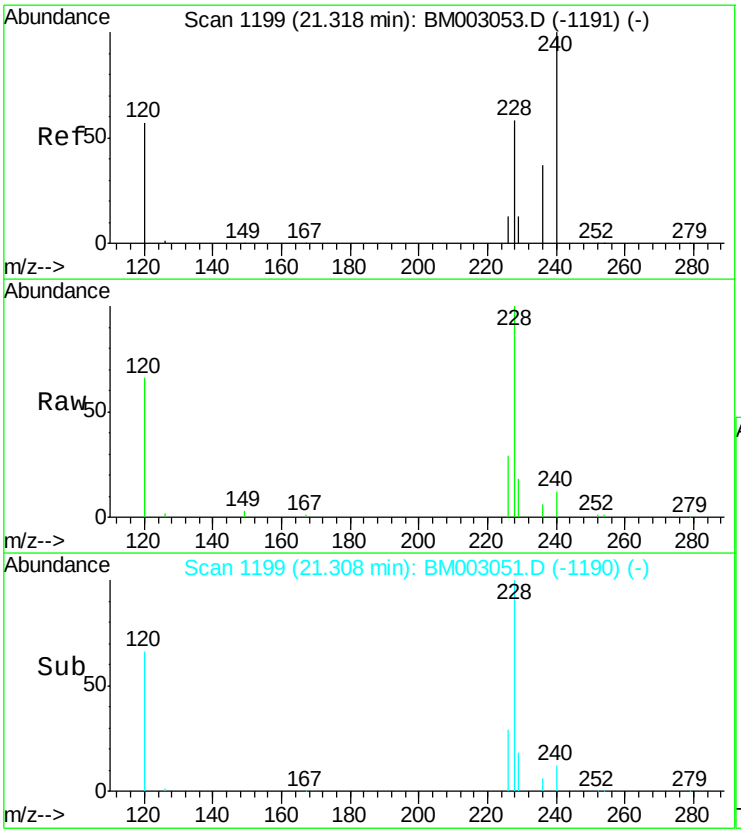
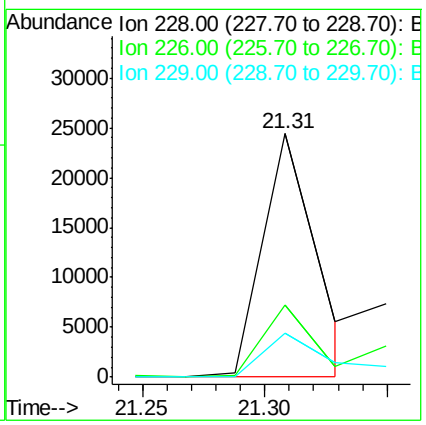


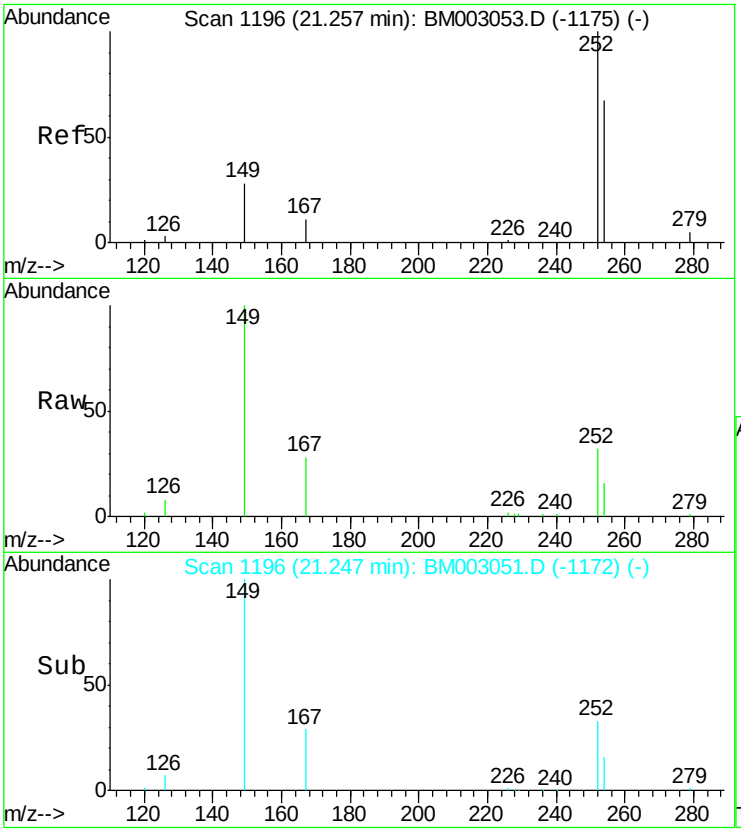


#30
Benzo(a)anthracene
Concen: 0.43 ng m
RT: 21.31 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:228 Resp: 37427

Ion	Ratio	Lower	Upper
228	100		
226	29.4	17.8	26.6#
229	17.9	18.0	27.0#





#31
3,3'-Dichlorobenzidine
Concen: 0.30 ng
RT: 21.25 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:252 Resp: 8639

Ion	Ratio	Lower	Upper
252	100		
254	50.4	53.7	80.5#
126	23.3	2.8	4.2#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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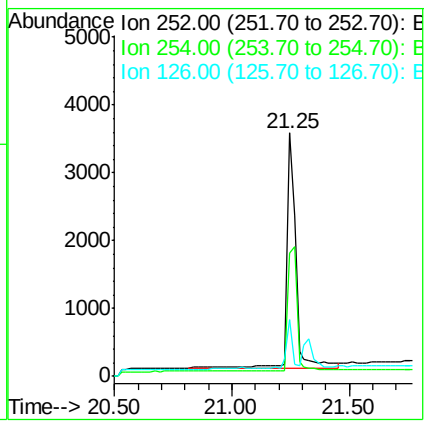
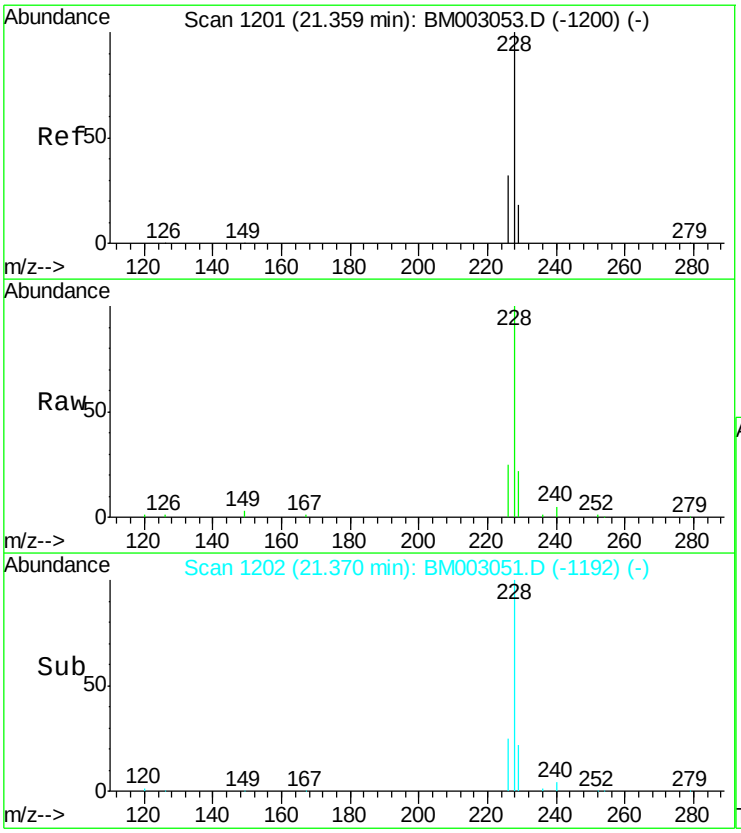
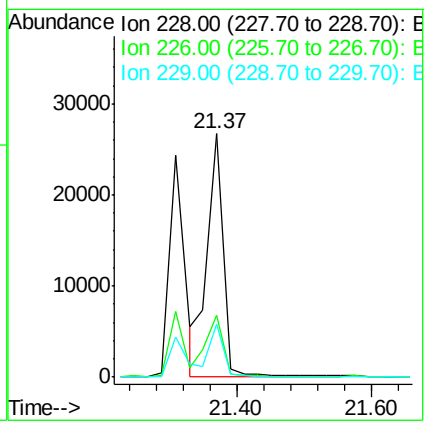


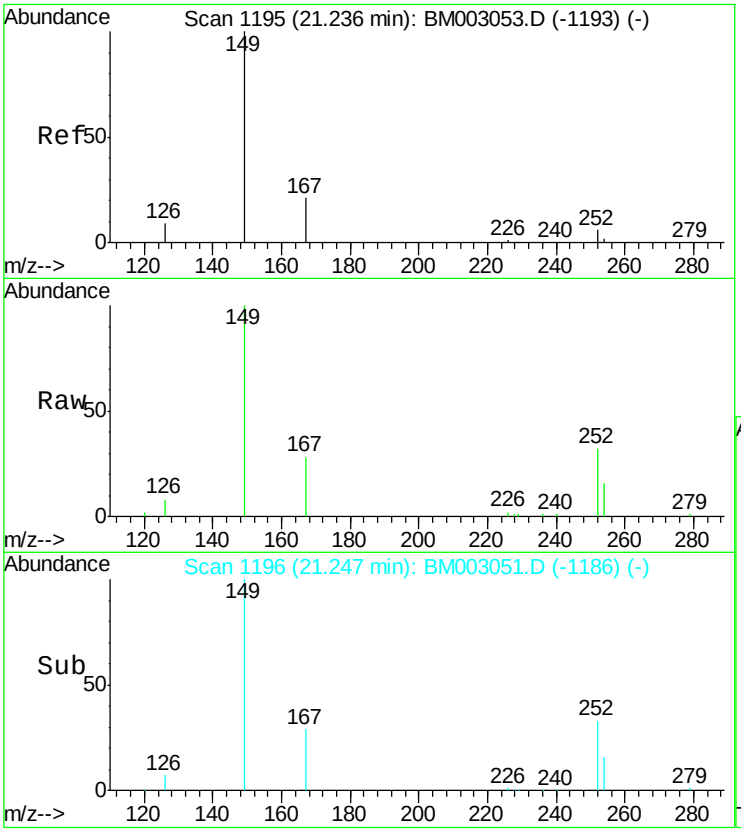


#32
Chrysene
Concen: 0.53 ng m
RT: 21.37 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:228 Resp: 45178

Ion	Ratio	Lower	Upper
228	100		
226	25.4	25.5	38.3#
229	21.7	14.3	21.5#





#33
Bis(2-ethylhexyl)phthalate
Concen: 0.29 ng
RT: 21.25 min Scan# 1196
Delta R.T. 0.01 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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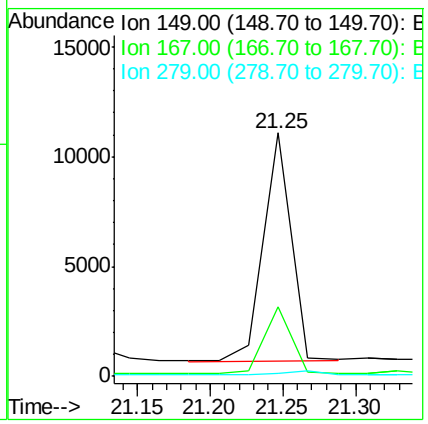
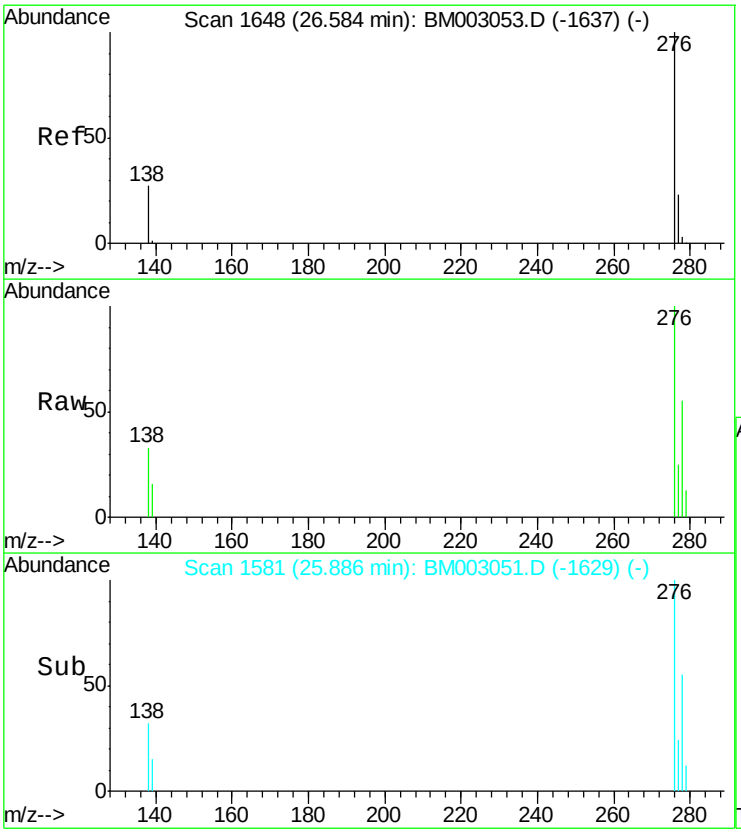
Tgt Ion:149 Resp: 13934

Ion	Ratio	Lower	Upper
149	100		
167	28.8	0.0	0.0#
279	0.0	0.0	0.0

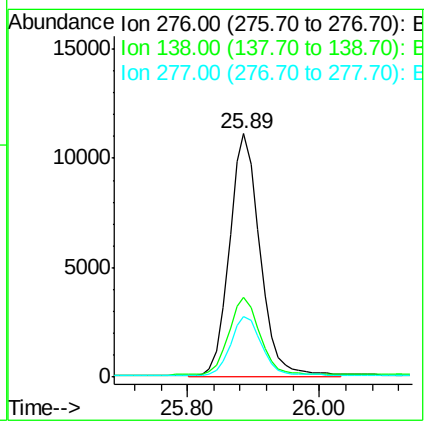


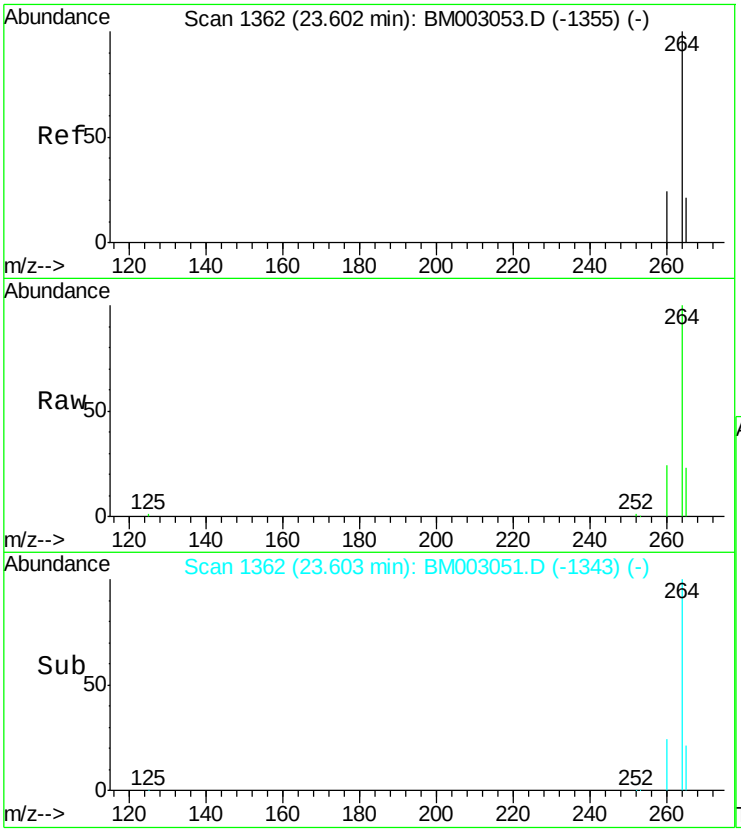


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.42 ng m
RT: 25.89 min Scan# 1581
Delta R.T. -0.70 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:276 Resp: 35585

Ion	Ratio	Lower	Upper
276	100		
138	24.2	0.0	0.0#
277	20.2	0.0	0.0#

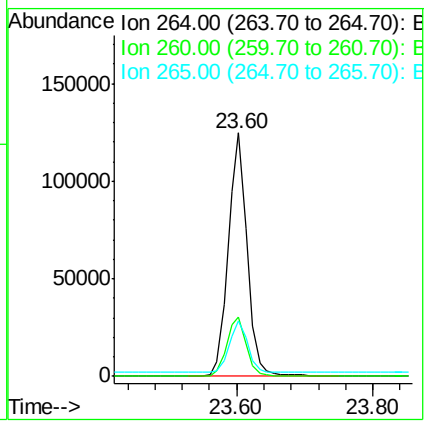




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.60 min Scan# 1362
Delta R.T. 0.00 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:264 Resp: 237924

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	22.8	18.4	27.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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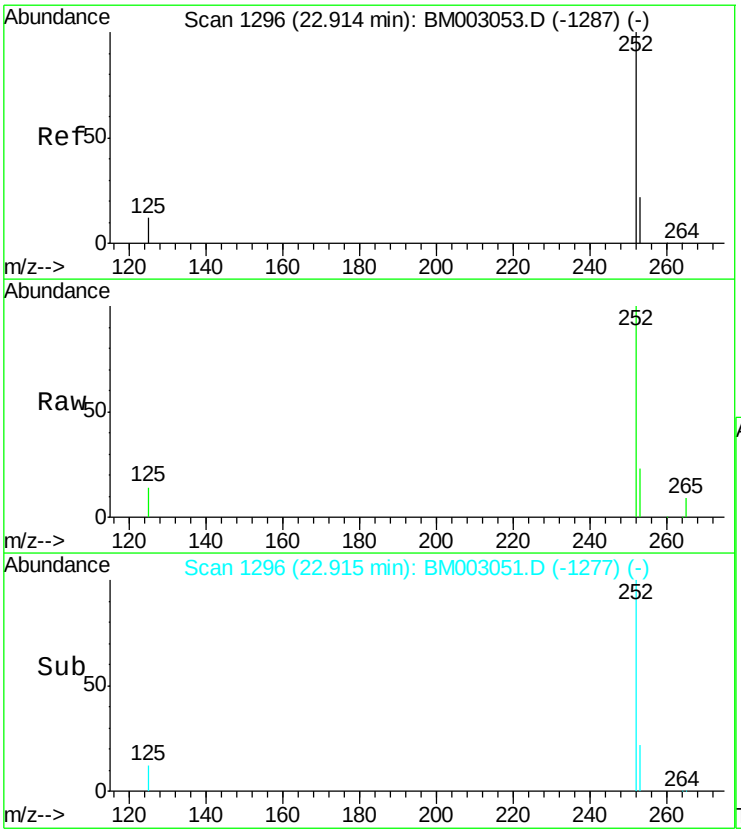
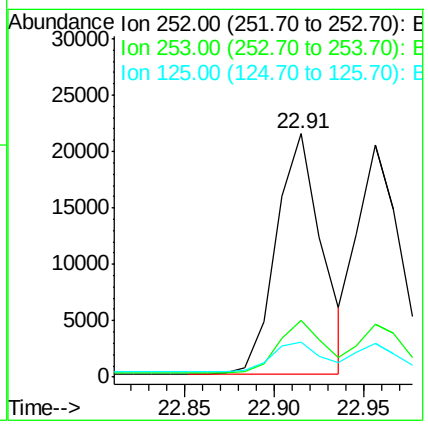
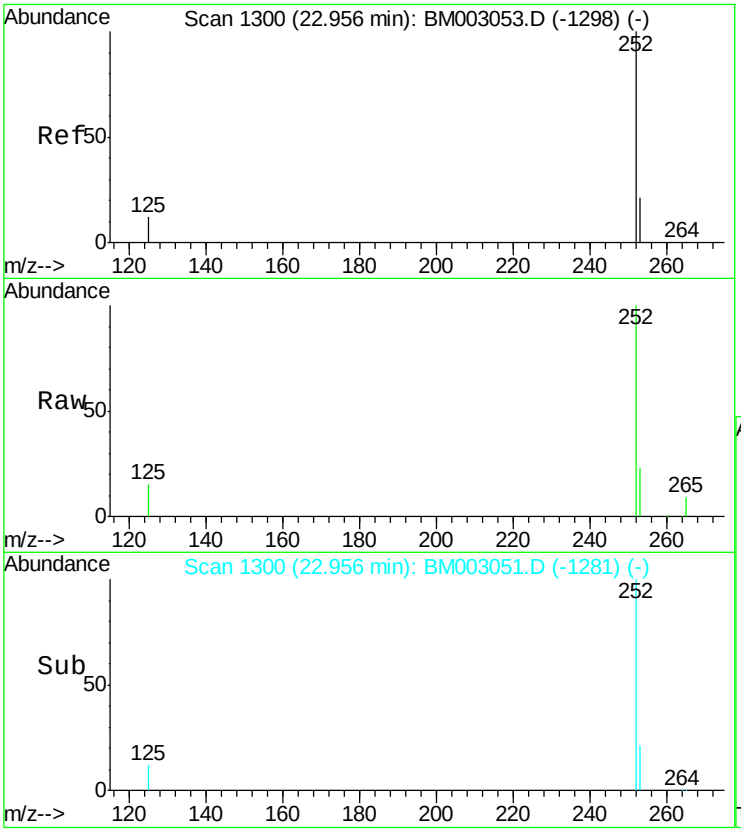


#36
Benzo(b)fluoranthene
Concen: 0.55 ng
RT: 22.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:252 Resp: 37781

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.4
125	14.3	10.3	15.5

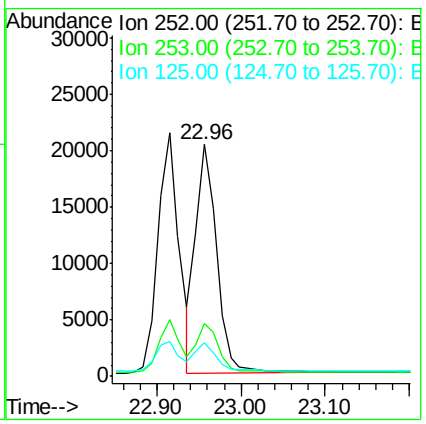




#37
Benzo(k)fluoranthene
Concen: 0.52 ng
RT: 22.96 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

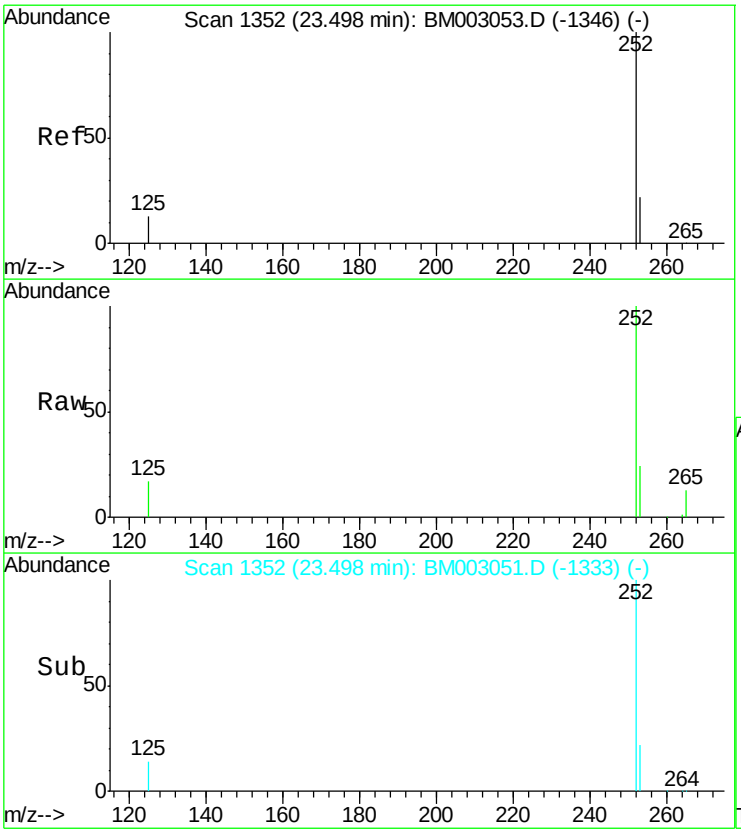
Tgt Ion:252 Resp: 34535

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	14.6	10.7	16.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

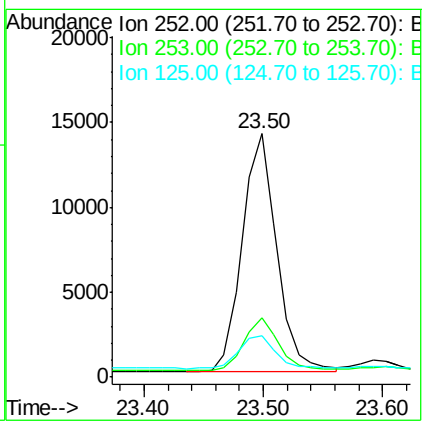
Manual Integrations APPROVED
Mmdadoda
11/5/2015 2:18:44 PM

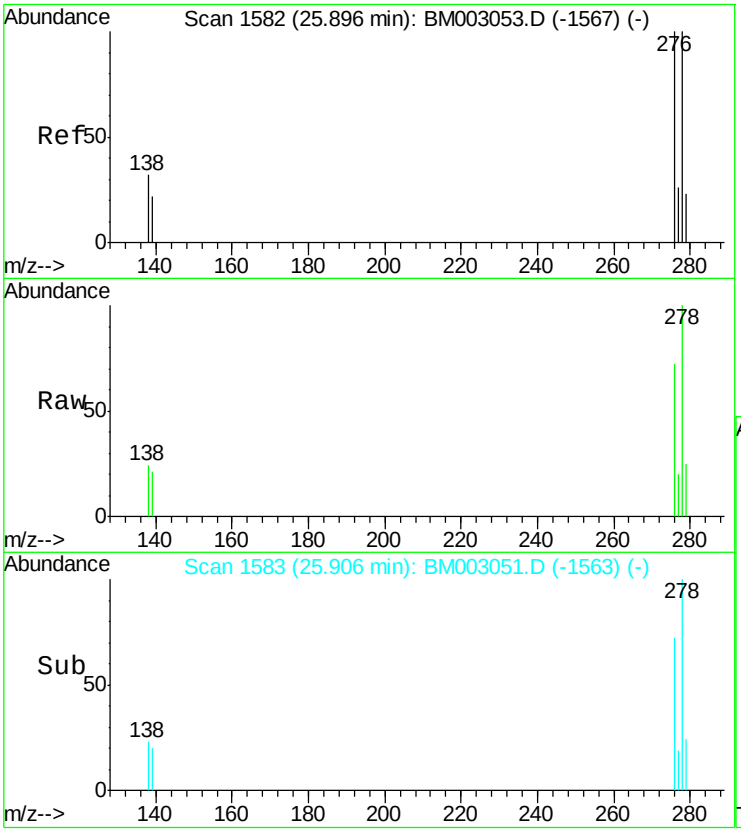


#38
Benzo(a)pyrene
Concen: 0.47 ng
RT: 23.50 min Scan# 1352
Delta R.T. 0.00 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:252 Resp: 28309

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.7	28.1
125	17.0	11.6	17.4

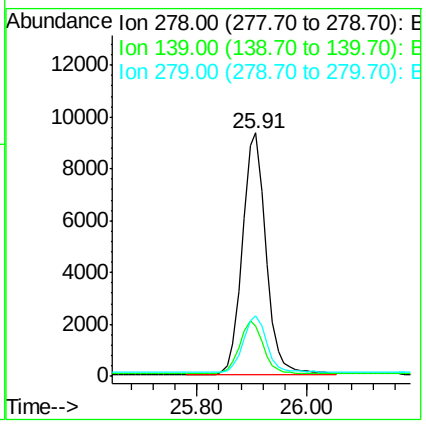




#39
Dibenzo(a,h)anthracene
Concen: 0.48 ng
RT: 25.91 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

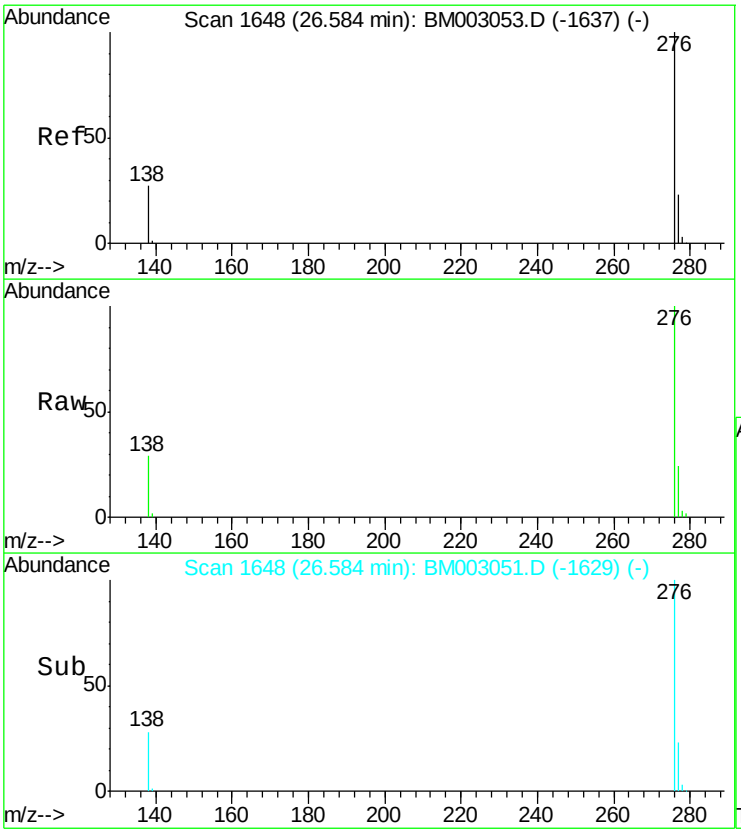
Tgt Ion:278 Resp: 28146

Ion	Ratio	Lower	Upper
278	100		
139	20.8	18.2	27.4
279	25.0	18.8	28.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
Mmdadoda
11/5/2015 2:18:44 PM



#40
Benzo(g,h,i)perylene
Concen: 0.50 ng
RT: 26.58 min Scan# 1648
Delta R.T. 0.00 min
Lab File: BM003051.D
Acq: 04 Nov 2015 19:49

Tgt Ion:276 Resp: 30611

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.6
138	28.7	22.3	33.5