Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110415\
Data File : BM003052.D
Acq On : 04 Nov 2015 20:25
Operator : UM/IZ
Sample : SSTDICC0.8
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SSTDICC0.8

Manual Integrations APPROVED
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11/5/2015 2:18:45 PM

Quant Time: Nov 16 18:46:12 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	84393	5.00	ng		0.02
7) Naphthalene-d8	10.54	136	324381	5.00	ng		0.00
13) Acenaphthene-d10	14.39	164	148187	5.00	ng		0.00
19) Phenanthrene-d10	17.14	188	331759	5.00	ng		0.00
26) Chrysene-d12	21.33	240	262625	5.00	ng		-0.01
35) Perylene-d12	23.60	264	228855	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.35	112	13518	0.84	ng		0.00
5) Phenol-d6	6.92	99	15277	0.76	ng		0.00
8) Nitrobenzene-d5	8.92	82	11069	0.72	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	2673	0.58	ng		0.00
15) 2-Fluorobiphenyl	13.03	172	37409	0.79	ng		0.00
29) Terphenyl-d14	19.77	244	26552	0.67	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.26	88	6355	0.79	ng	#	100
3) n-Nitrosodimethylamine	3.57	42	6077	0.94	ng	#	100
6) bis(2-Chloroethyl)ether	7.19	93	15110	0.78	ng	#	1
9) Nitrobenzene	8.96	77	11847	0.72	ng	#	100
10) Naphthalene	10.60	128	53944	0.75	ng		98
11) Hexachlorobutadiene	10.89	225	8592	0.75	ng	#	100
12) 2-Methylnaphthalene	12.22	142	34017	0.71	ng		96
16) Acenaphthylene	14.11	152	43059	0.68	ng	#	100
17) Acenaphthene	14.46	154	31719	0.72	ng	#	100
18) Fluorene	15.46	166	32029	0.62	ng	#	100
20) 4-Bromophenyl-phenylether	16.35	248	7204	0.51	ng	#	100
21) Hexachlorobenzene	16.45	284	10888	0.64	ng	#	100
22) Pentachlorophenol	16.81	266	2901	1.41	ng	#	76
23) Phenanthrene	17.16	178	48350	0.60	ng	#	100
24) Anthracene	17.27	178	50308	0.68	ng	#	100
25) Fluoranthene	19.21	202	50773	0.60	ng	#	100
27) Benzidine	19.38	184	16162	0.54	ng	#	95
28) Pyrene	19.57	202	53850	0.70	ng	#	100
30) Benzo(a)anthracene	21.31	228	50683m	0.68	ng		
31) 3,3'-Dichlorobenzidine	21.25	252	12084	0.48	ng	#	78
32) Chrysene	21.37	228	56033m	0.77	ng		
33) Bis(2-ethylhexyl)phthalate	21.25	149	18559	0.44	ng	#	100
34) Indeno(1,2,3-cd)pyrene	25.89	276	55728m	0.77	ng		
36) Benzo(b)fluoranthene	22.91	252	54348	0.82	ng		99
37) Benzo(k)fluoranthene	22.96	252	48433	0.75	ng		99
38) Benzo(a)pyrene	23.50	252	42027	0.72	ng		99
39) Dibenzo(a,h)anthracene	25.90	278	44314	0.79	ng		100
40) Benzo(g,h,i)perylene	26.58	276	47570	0.81	ng		100

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

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Acq On : 04 Nov 2015 20:25
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Instrument :
BNA_M
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Manual Integrations APPROVED
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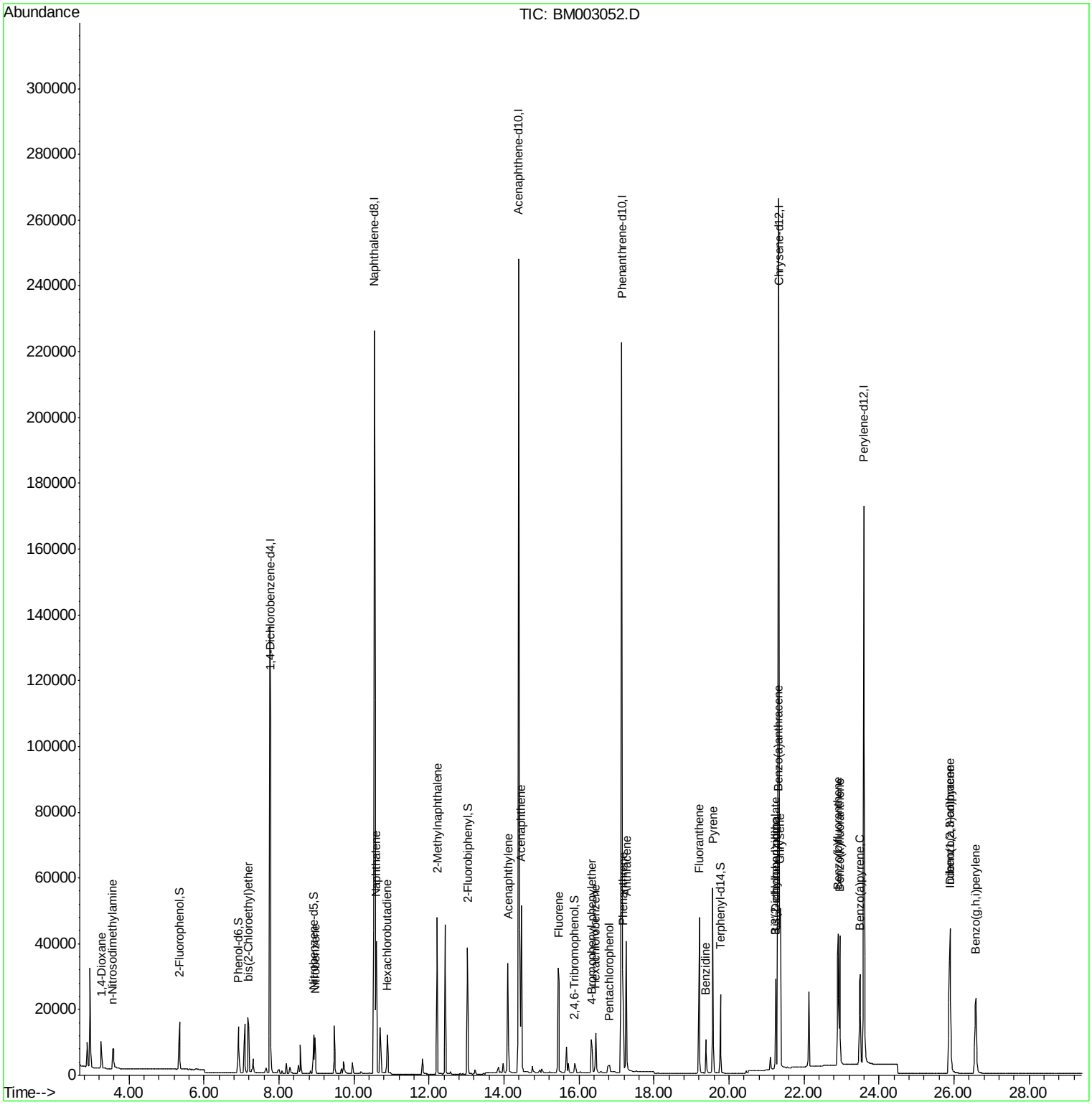

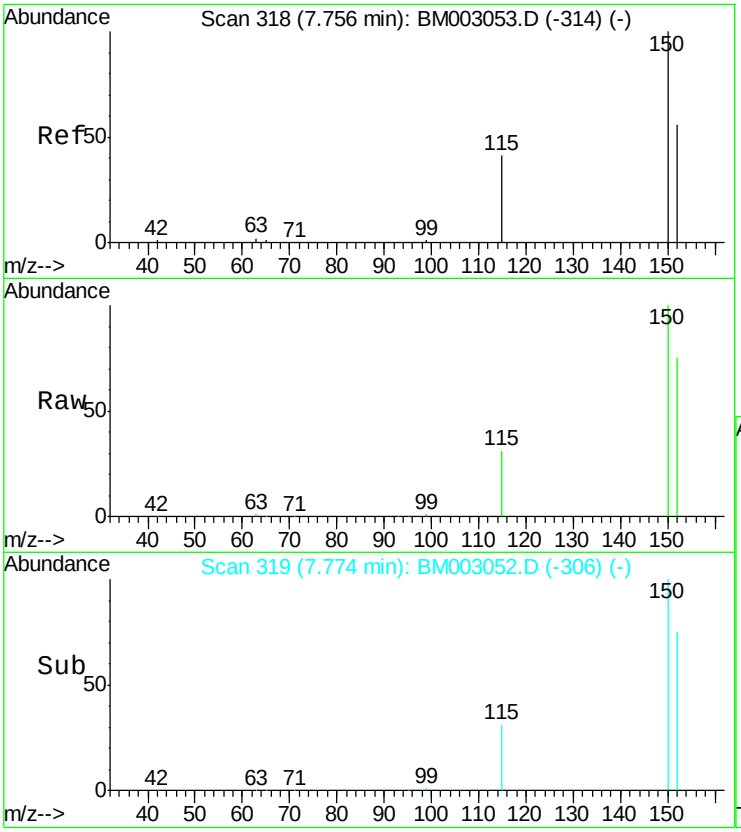

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.77 min Scan# 319
Delta R.T. 0.02 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:152 Resp: 84393

Ion	Ratio	Lower	Upper
152	100		
150	133.2	143.6	215.4#
115	41.9	58.5	87.7#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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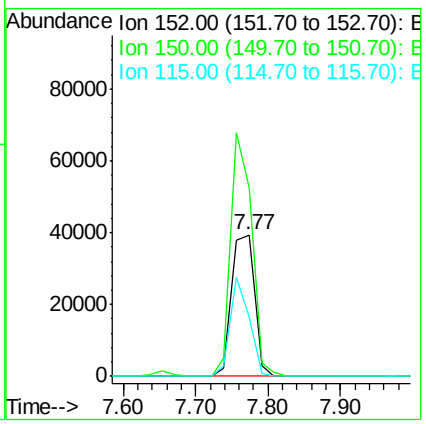
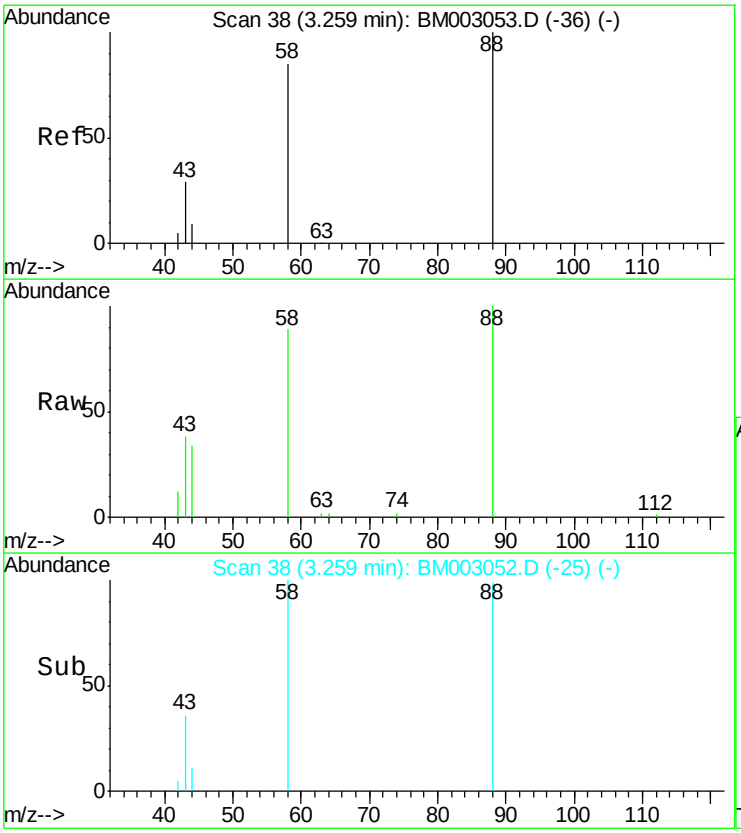
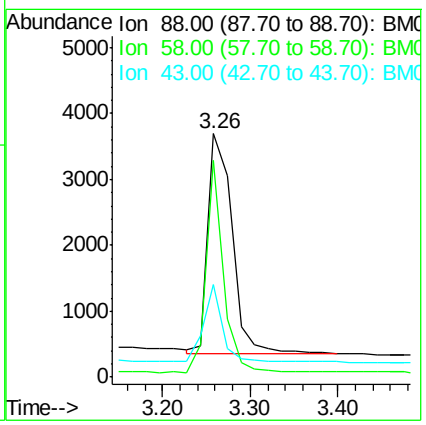


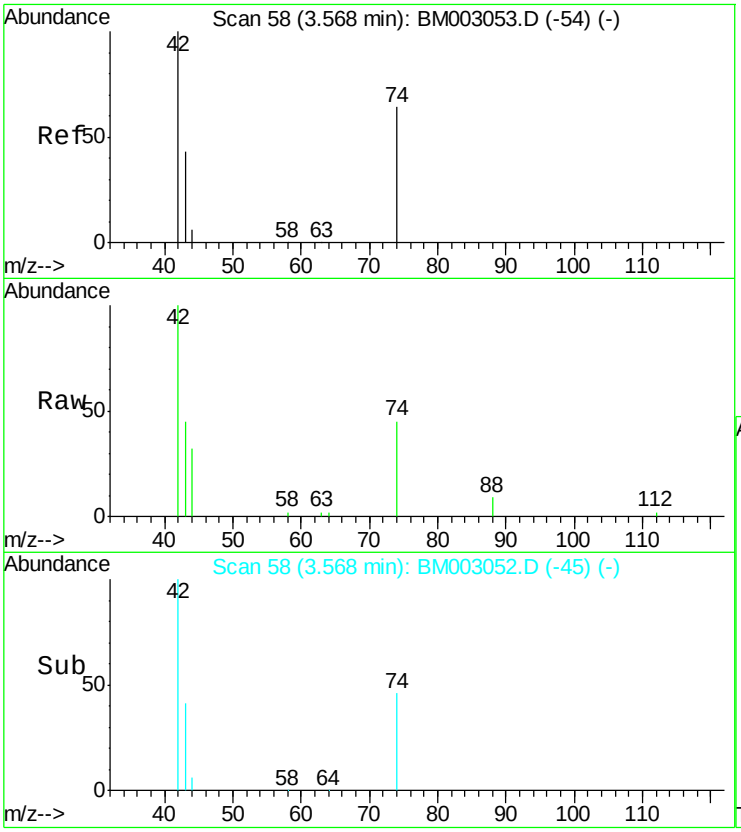


#2
1,4-Dioxane
Concen: 0.79 ng
RT: 3.26 min Scan# 38
Delta R.T. 0.00 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion: 88 Resp: 6355

Ion	Ratio	Lower	Upper
88	100		
58	68.6	0.0	0.0#
43	27.2	0.0	0.0#





#3
n-Nitrosodimethylamine
Concen: 0.94 ng
RT: 3.57 min Scan# 58
Delta R.T. 0.00 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion: 42 Resp: 6077

Ion	Ratio	Lower	Upper
42	100		
74	123.9	0.0	0.0#
44	8.8	0.0	0.0#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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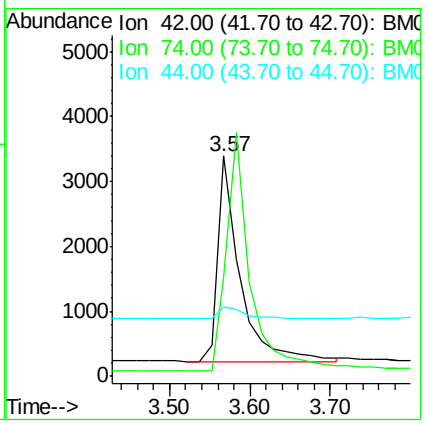
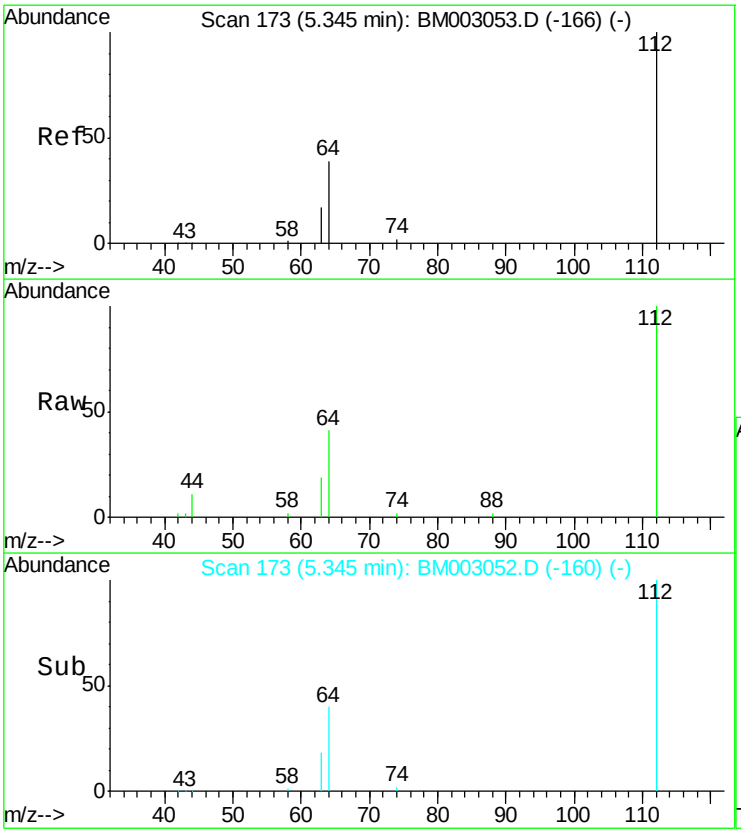
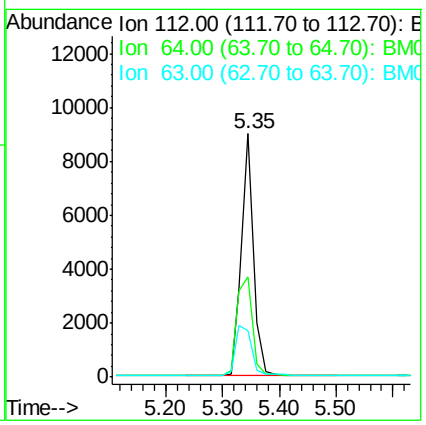


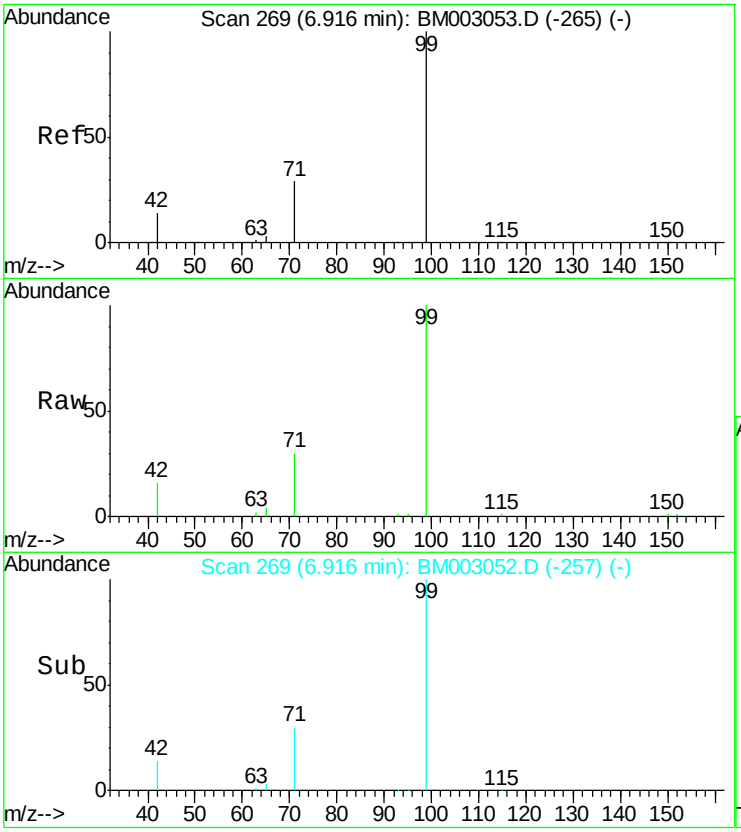


#4
2-Fluorophenol
Concen: 0.84 ng
RT: 5.35 min Scan# 173
Delta R.T. 0.00 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:112 Resp: 13518

Ion	Ratio	Lower	Upper
112	100		
64	51.2	0.0	0.0#
63	26.5	0.0	0.0#





#5
Phenol-d6
Concen: 0.76 ng
RT: 6.92 min Scan# 269
Delta R.T. 0.00 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion: 99 Resp: 15277

Ion	Ratio	Lower	Upper
99	100		
42	17.9	3.4	5.0#
71	29.3	1.0	1.4#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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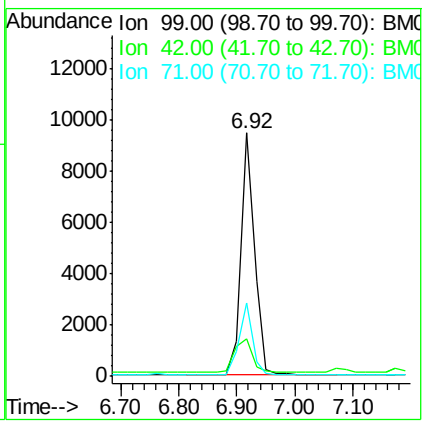
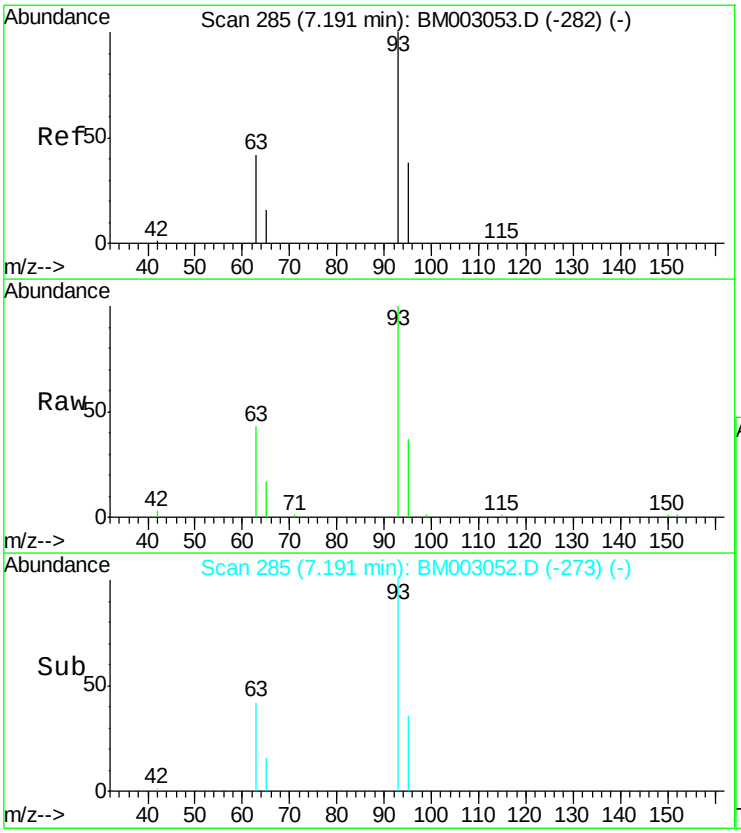
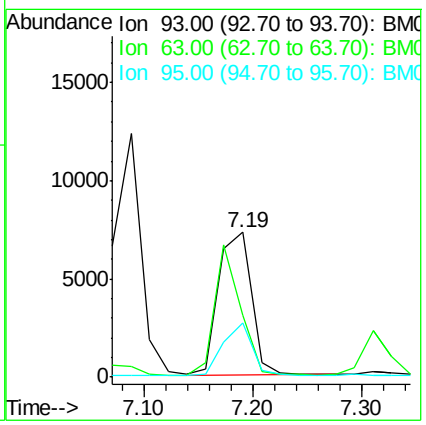


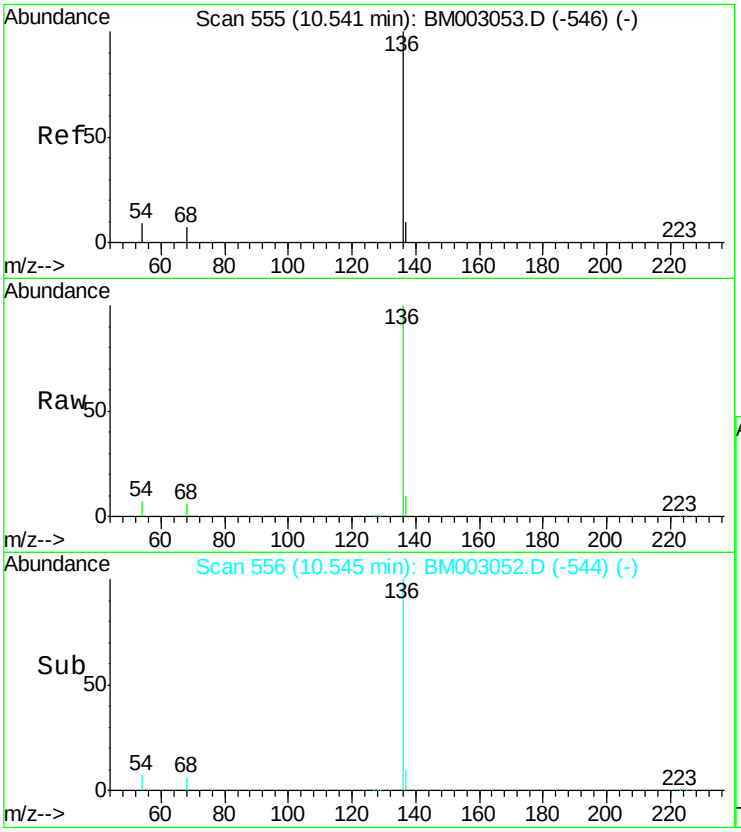


#6
bis(2-Chloroethyl)ether
Concen: 0.78 ng
RT: 7.19 min Scan# 285
Delta R.T. 0.00 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion: 93 Resp: 15110

Ion	Ratio	Lower	Upper
93	100		
63	72.8	5.2	7.8#
95	32.5	0.0	0.0#

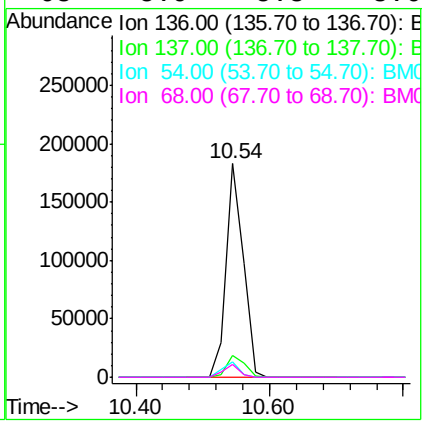




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.54 min Scan# 556
Delta R.T. 0.00 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:136 Resp: 324381

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.0	12.0
54	7.2	7.4	11.0#
68	5.9	5.8	8.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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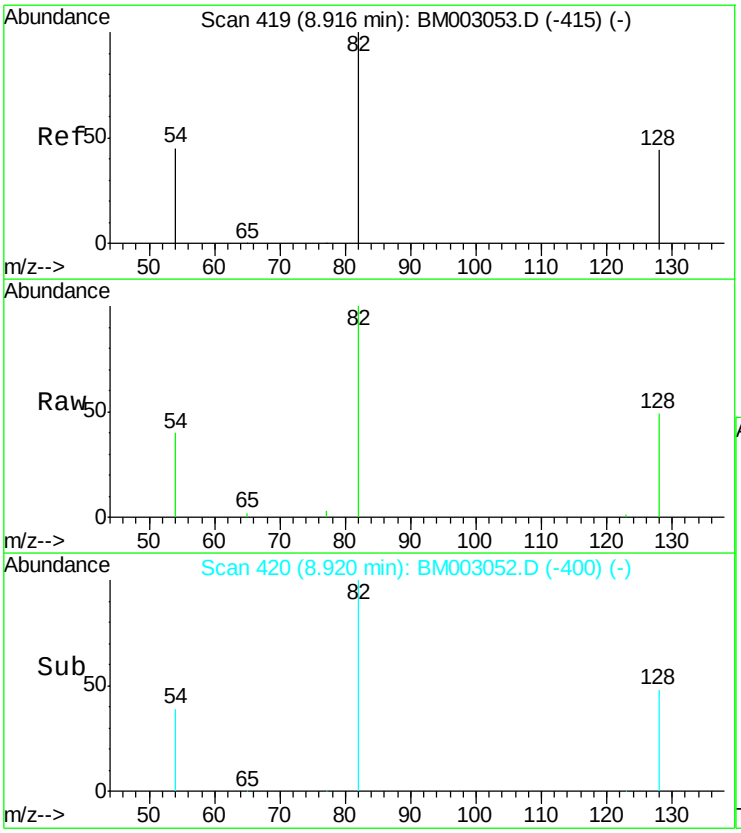
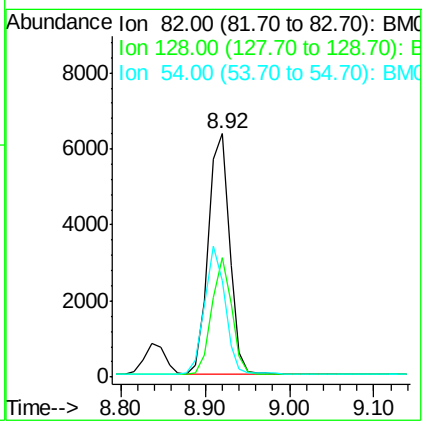
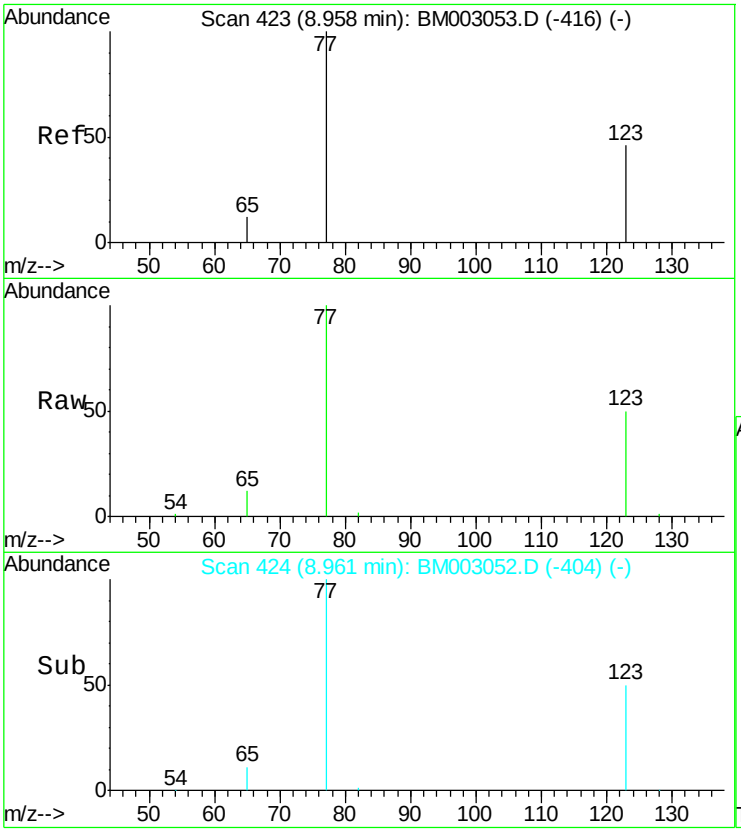


#8
Nitrobenzene-d5
Concen: 0.72 ng
RT: 8.92 min Scan# 420
Delta R.T. 0.00 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion: 82 Resp: 11069

Ion	Ratio	Lower	Upper
82	100		
128	48.9	35.2	52.8
54	39.6	36.4	54.6

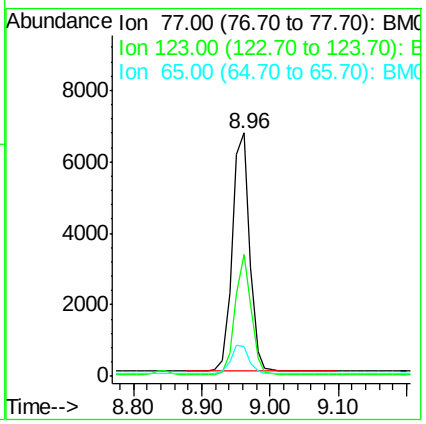




#9
Nitrobenzene
Concen: 0.72 ng
RT: 8.96 min Scan# 424
Delta R.T. 0.00 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion: 77 Resp: 11847

Ion	Ratio	Lower	Upper
77	100		
123	46.7	0.0	0.0#
65	12.2	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

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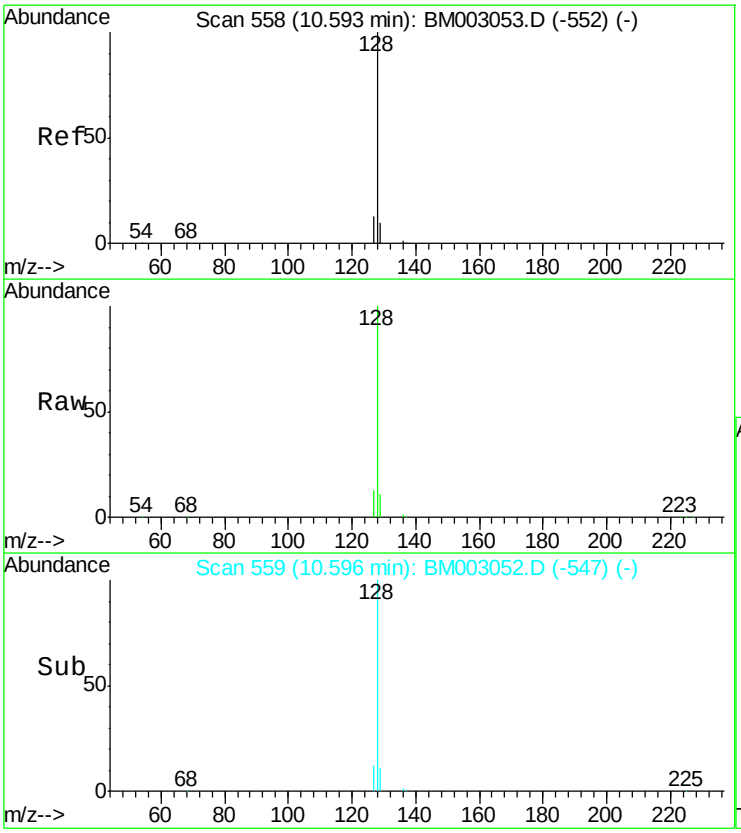
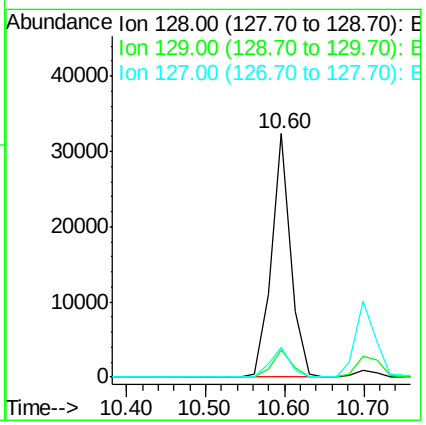
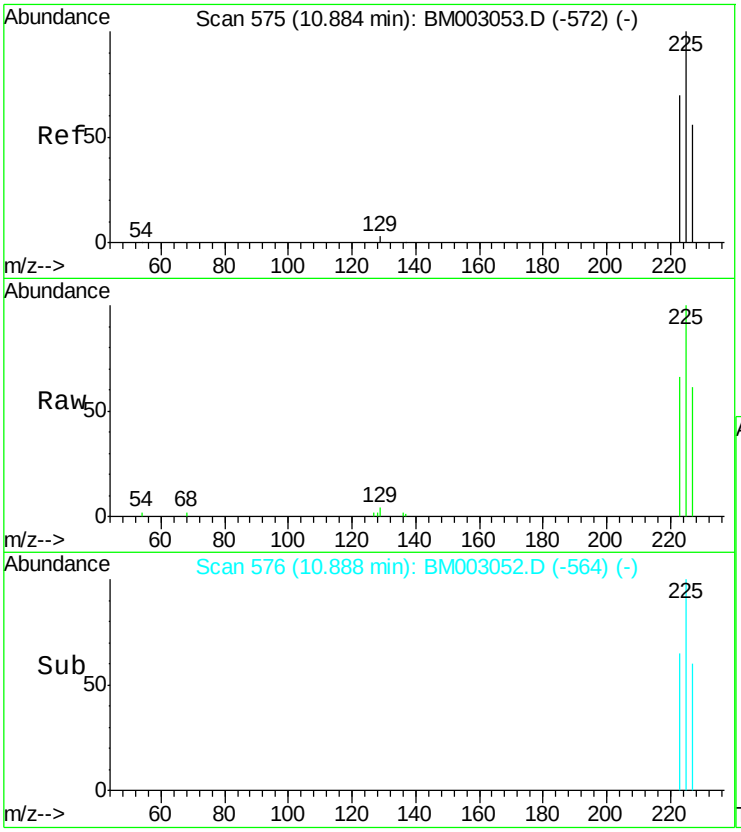


#10
Naphthalene
Concen: 0.75 ng
RT: 10.60 min Scan# 559
Delta R.T. 0.00 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:128 Resp: 53944

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.5	12.7
127	12.5	10.6	16.0

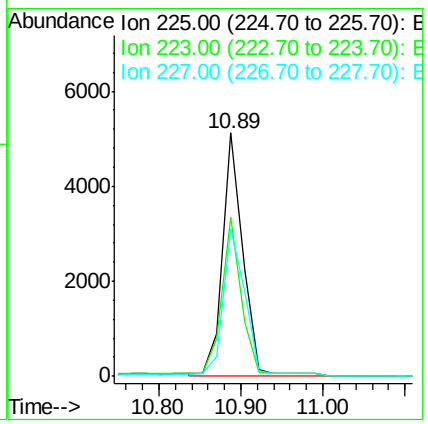




#11
Hexachlorobutadiene
Concen: 0.75 ng
RT: 10.89 min Scan# 576
Delta R.T. 0.00 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:225 Resp: 8592

Ion	Ratio	Lower	Upper
225	100		
223	66.3	0.0	0.0#
227	65.6	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

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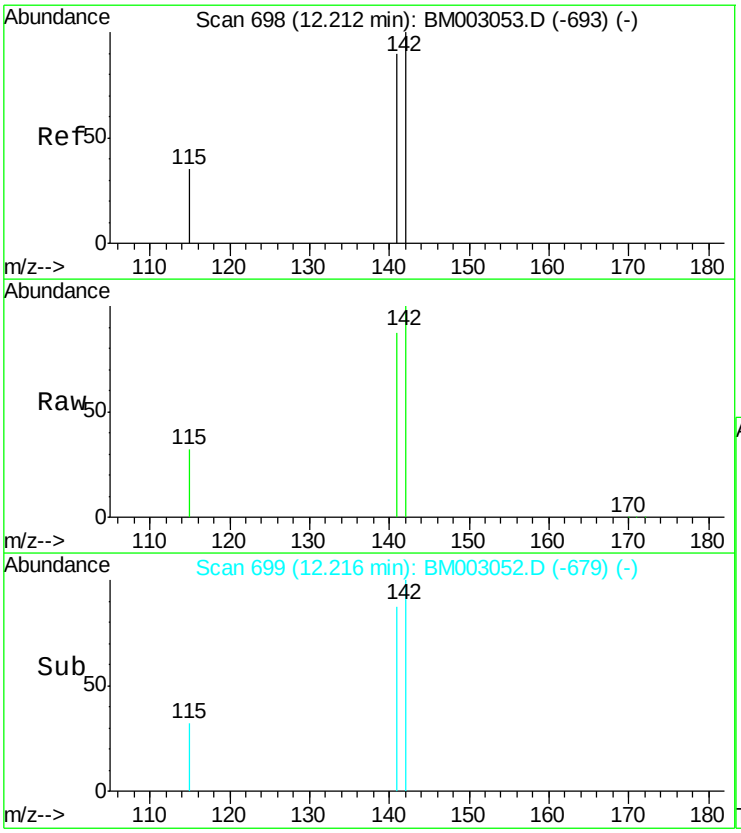
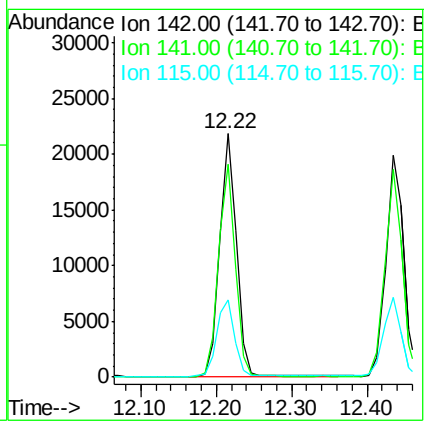
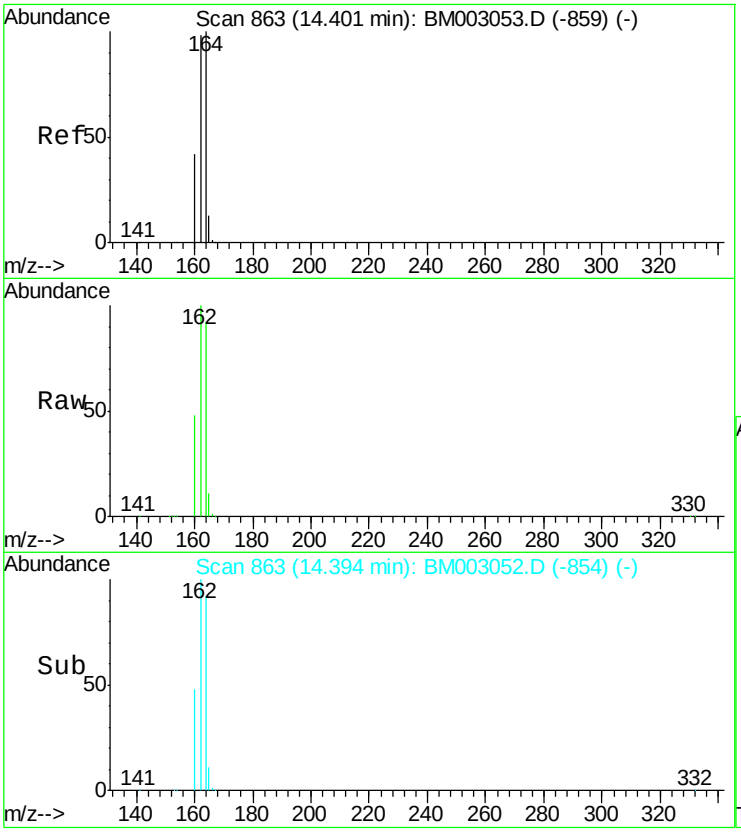


#12
2-Methylnaphthalene
Concen: 0.71 ng
RT: 12.22 min Scan# 699
Delta R.T. 0.00 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:142 Resp: 34017

Ion	Ratio	Lower	Upper
142	100		
141	87.2	72.2	108.2
115	31.8	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: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:164 Resp: 148187

Ion	Ratio	Lower	Upper
164	100		
162	108.7	78.3	117.5
160	52.7	33.8	50.6#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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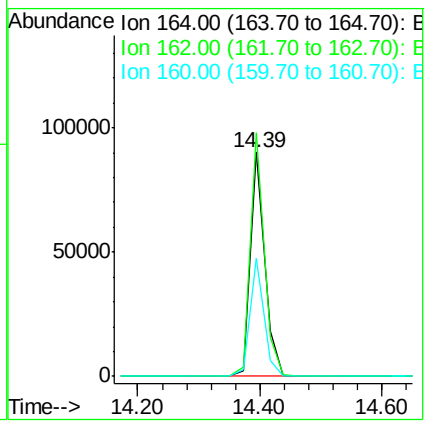
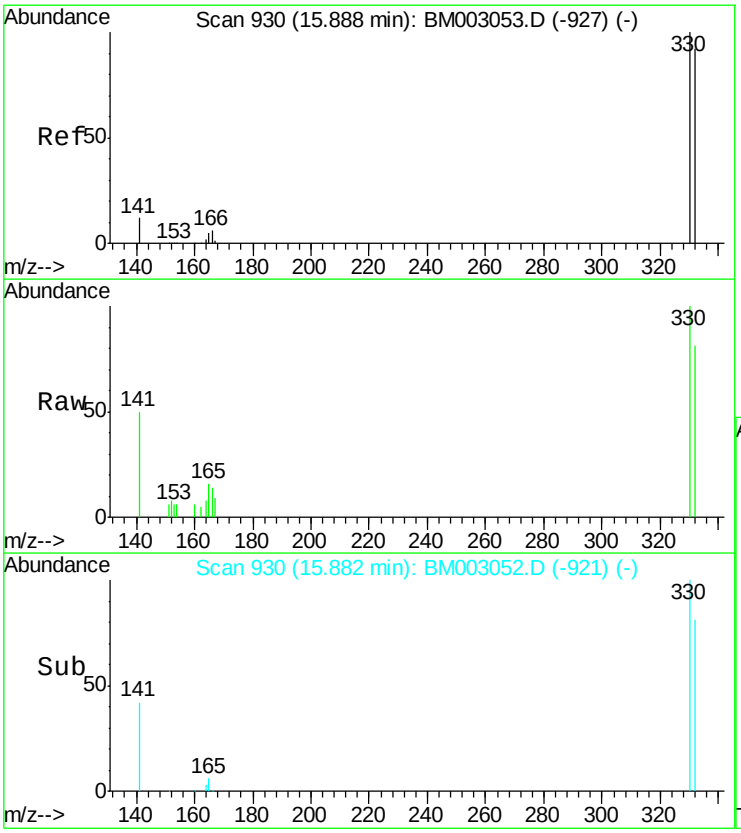
11/5/2015 2:18:45 PM

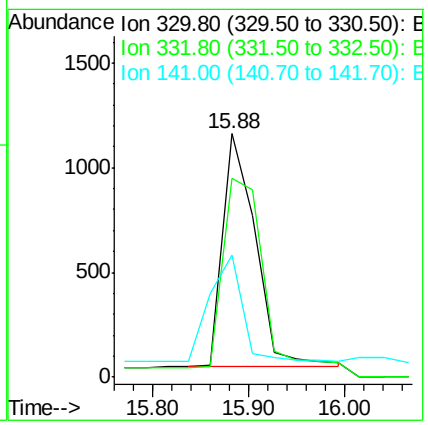


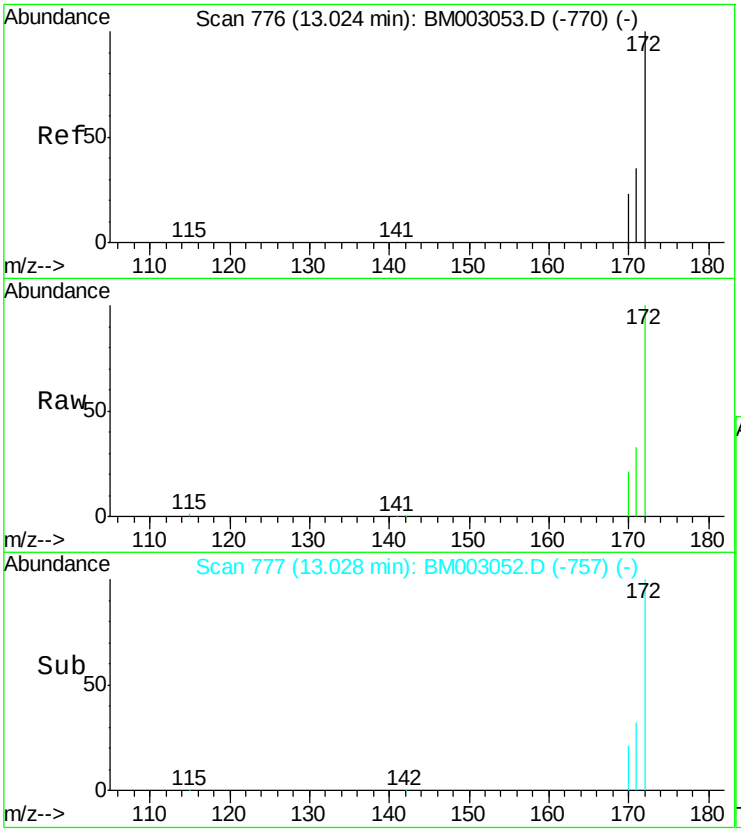


#14
2,4,6-Tribromophenol
Concen: 0.58 ng
RT: 15.88 min Scan# 930
Delta R.T. -0.01 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:330 Resp: 2673

Ion	Ratio	Lower	Upper
330	100		
332	95.1	0.0	0.0#
141	45.3	0.0	0.0#

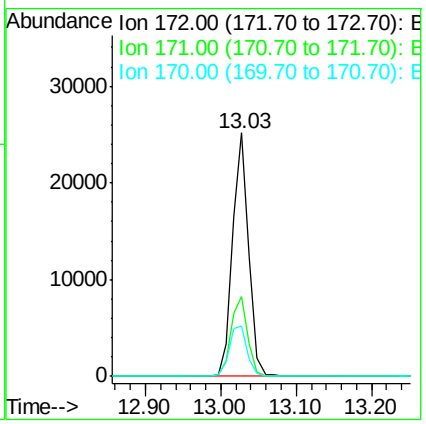




#15
2-Fluorobiphenyl
Concen: 0.79 ng
RT: 13.03 min Scan# 777
Delta R.T. 0.00 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:172 Resp: 37409

Ion	Ratio	Lower	Upper
172	100		
171	32.6	28.0	42.0
170	20.8	18.9	28.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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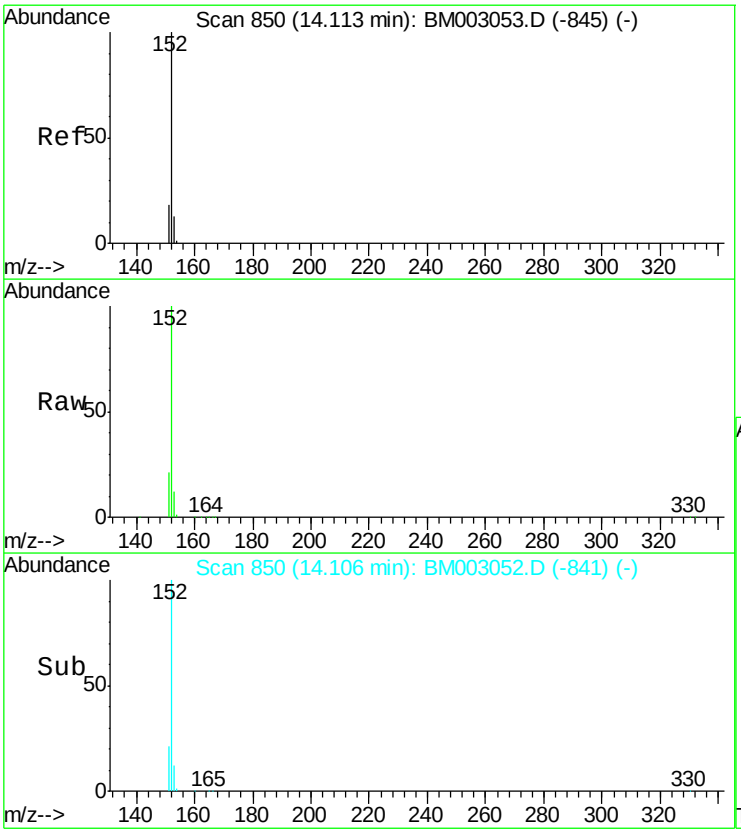
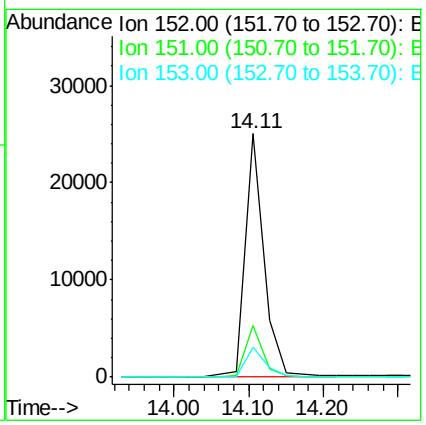
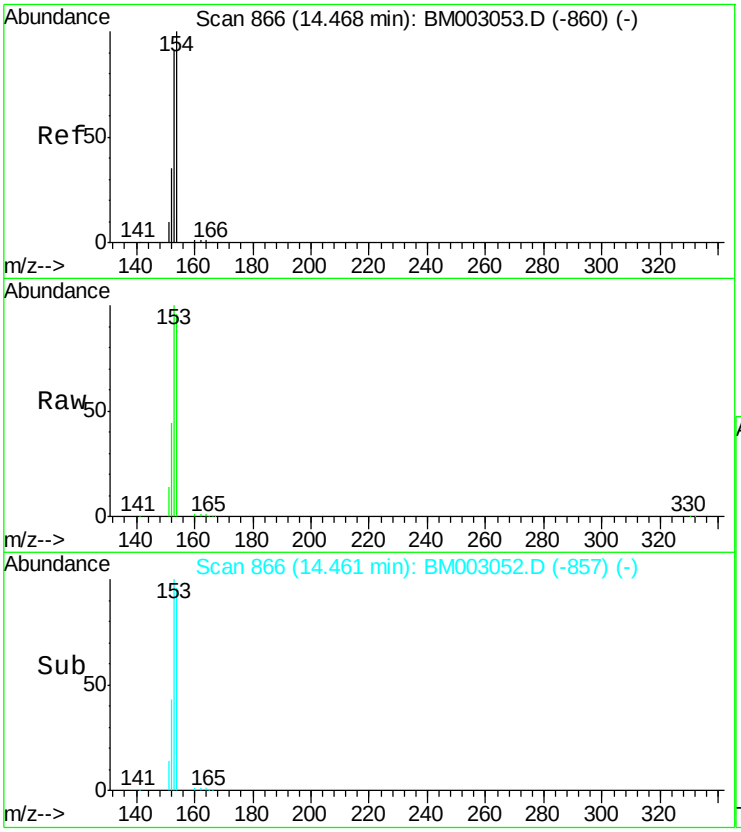


#16
Acenaphthylene
Concen: 0.68 ng
RT: 14.11 min Scan# 850
Delta R.T. -0.01 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:152 Resp: 43059

Ion	Ratio	Lower	Upper
152	100		
151	19.7	0.0	0.0#
153	12.7	0.0	0.0#

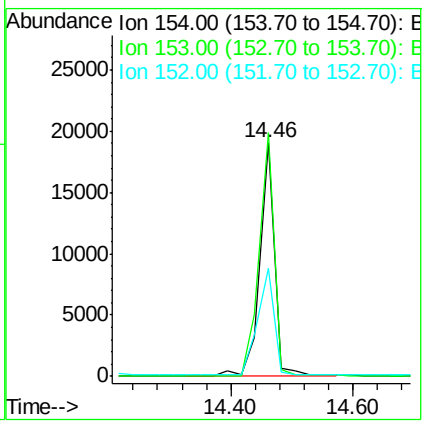




#17
Acenaphthene
Concen: 0.72 ng
RT: 14.46 min Scan# 866
Delta R.T. -0.01 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:154 Resp: 31719

Ion	Ratio	Lower	Upper
154	100		
153	106.7	0.0	0.0#
152	51.2	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

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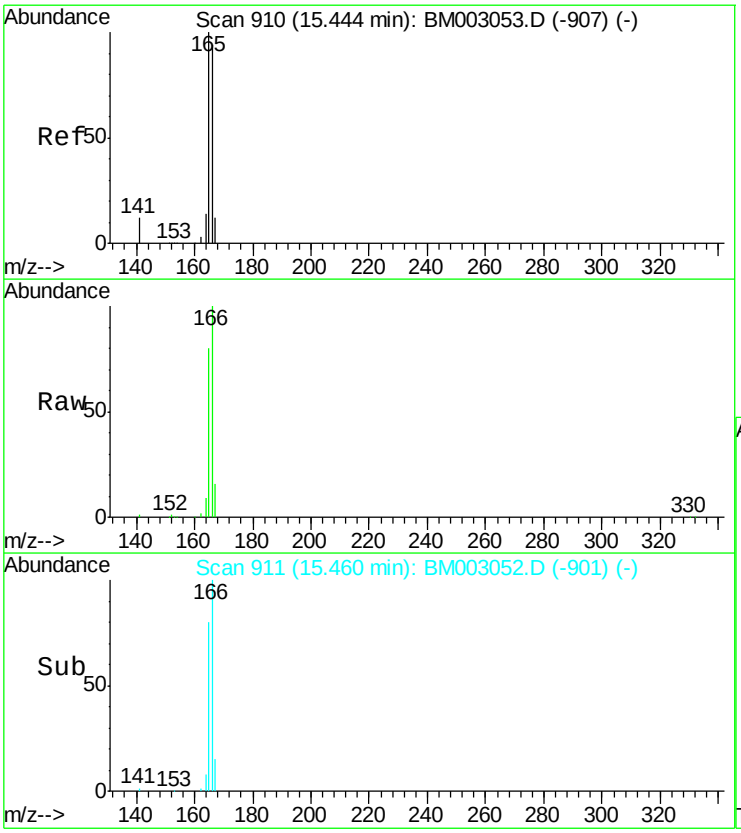
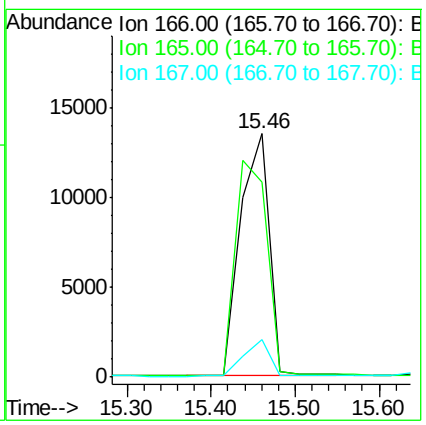
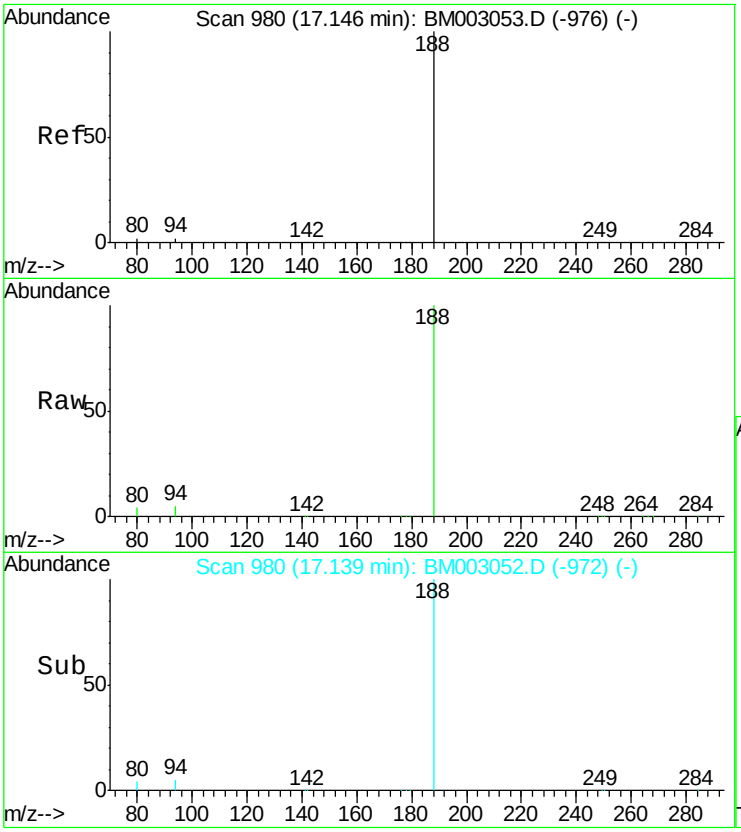


#18
Fluorene
Concen: 0.62 ng
RT: 15.46 min Scan# 911
Delta R.T. 0.02 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:166 Resp: 32029

Ion	Ratio	Lower	Upper
166	100		
165	0.0	0.0	0.0
167	13.6	0.0	0.0#

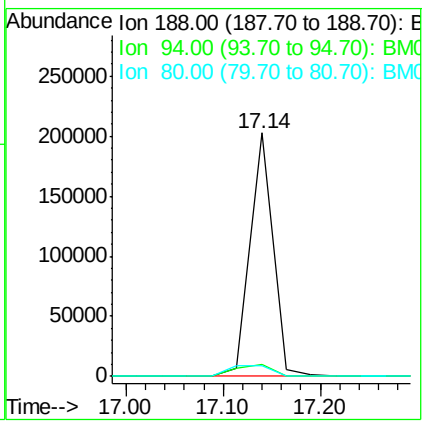




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 980
Delta R.T. -0.01 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:188 Resp: 331759

Ion	Ratio	Lower	Upper
188	100		
94	5.0	1.8	2.6#
80	4.2	1.4	2.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

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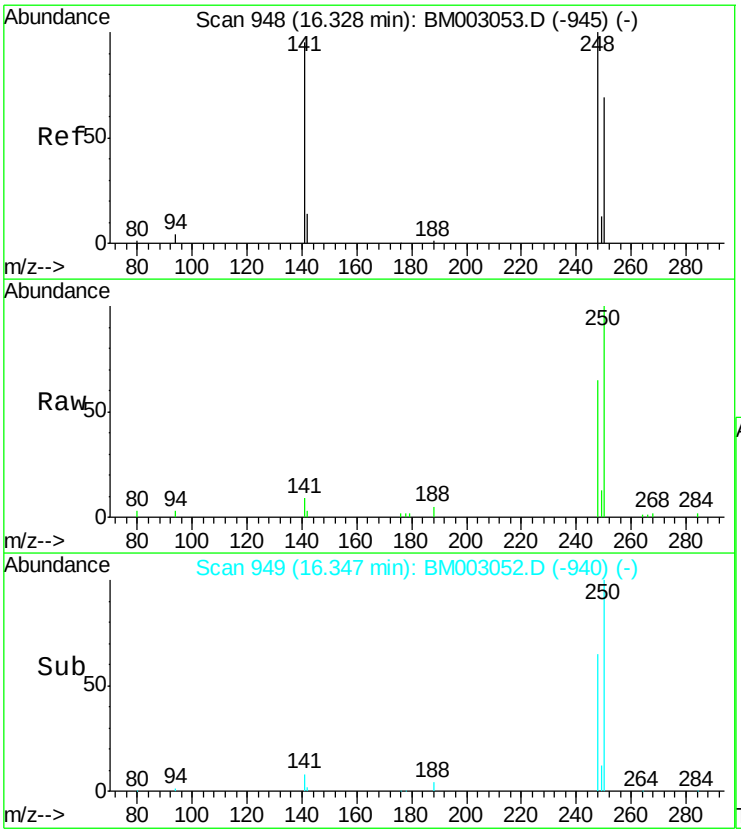
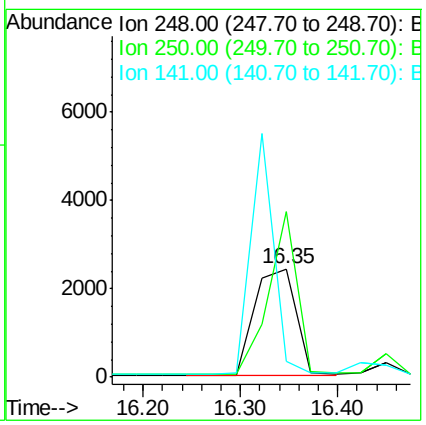
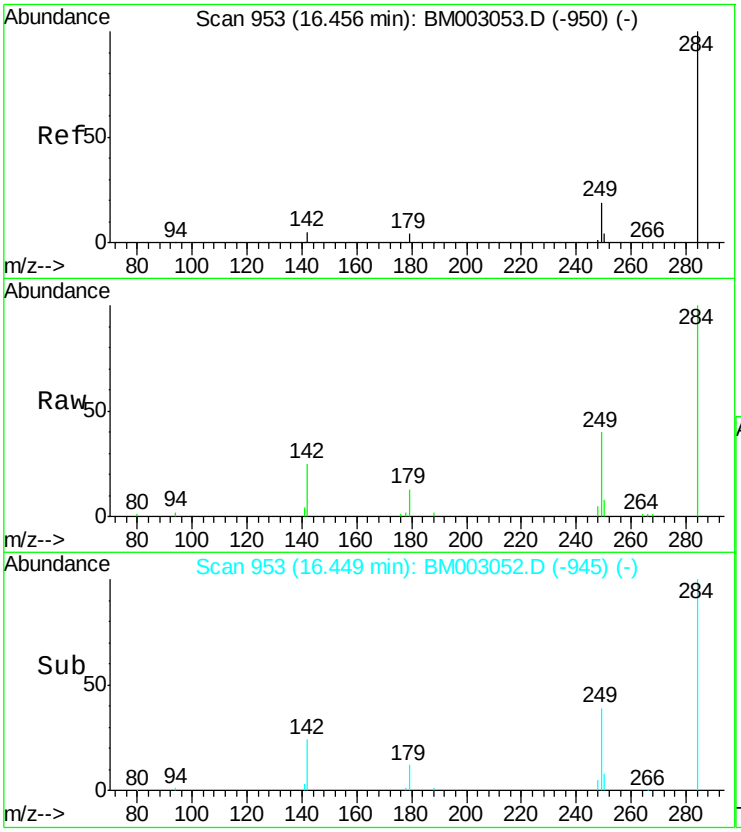


#20
4-Bromophenyl-phenylether
Concen: 0.51 ng
RT: 16.35 min Scan# 949
Delta R.T. 0.02 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:248 Resp: 7204

Ion	Ratio	Lower	Upper
248	100		
250	105.8	0.0	0.0#
141	0.0	0.0	0.0

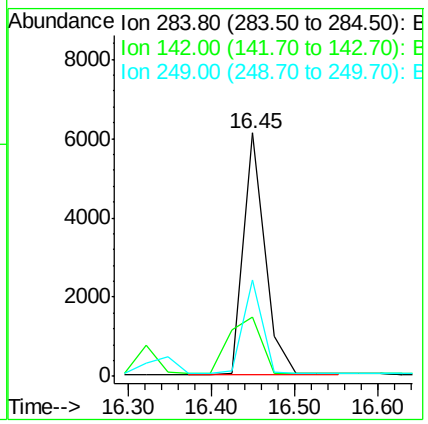




#21
Hexachlorobenzene
Concen: 0.64 ng
RT: 16.45 min Scan# 953
Delta R.T. -0.01 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:284 Resp: 10888

Ion	Ratio	Lower	Upper
284	100		
142	36.2	0.0	0.0#
249	35.4	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

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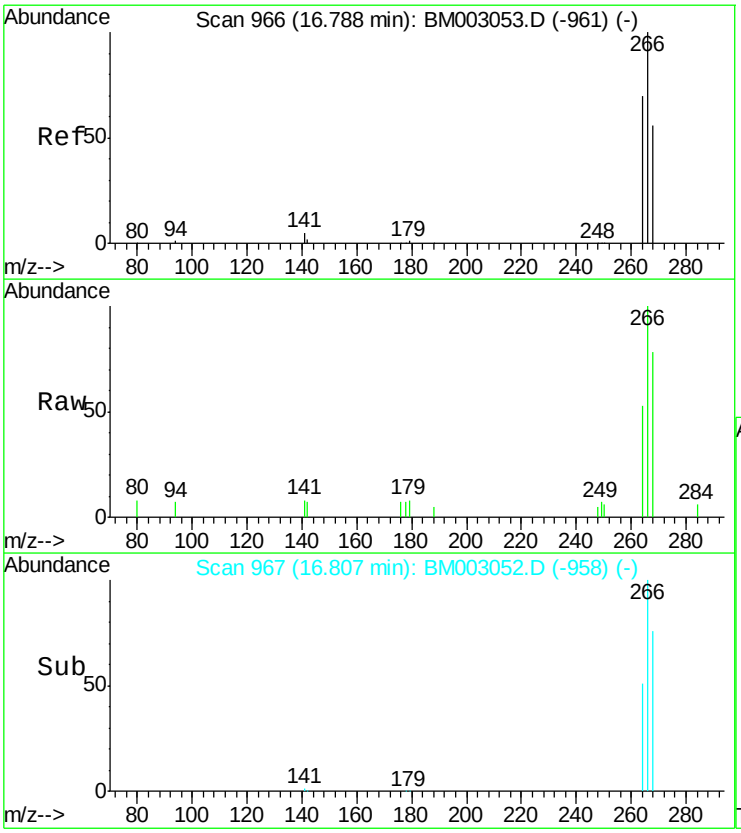
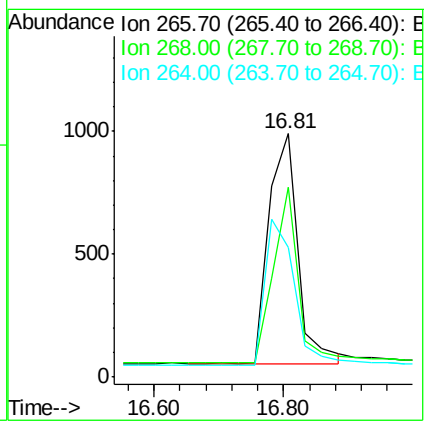
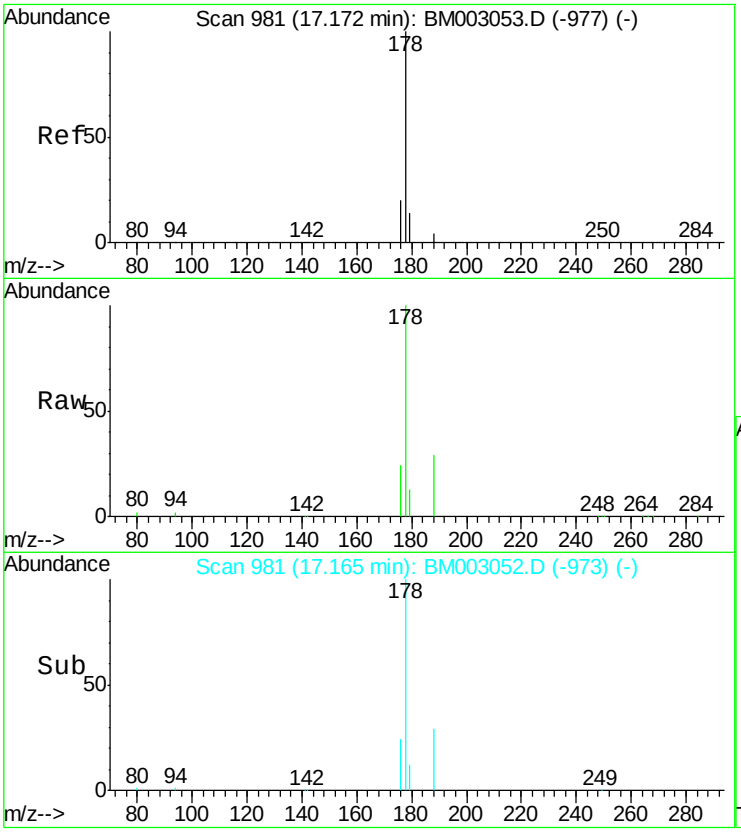


#22
Pentachlorophenol
Concen: 1.41 ng
RT: 16.81 min Scan# 967
Delta R.T. 0.02 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:266 Resp: 2901

Ion	Ratio	Lower	Upper
266	100		
268	77.9	45.8	68.8#
264	53.4	56.7	85.1#

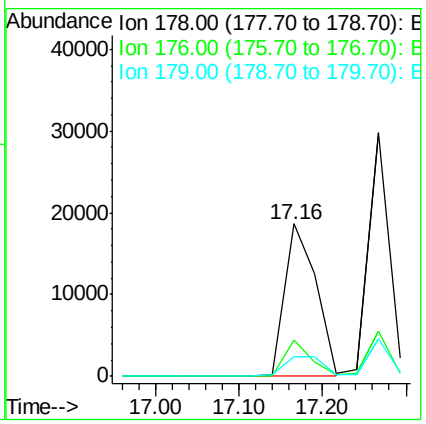




#23
Phenanthrene
Concen: 0.60 ng
RT: 17.16 min Scan# 981
Delta R.T. -0.01 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:178 Resp: 48350

Ion	Ratio	Lower	Upper
178	100		
176	19.9	0.0	0.0#
179	0.0	0.0	0.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

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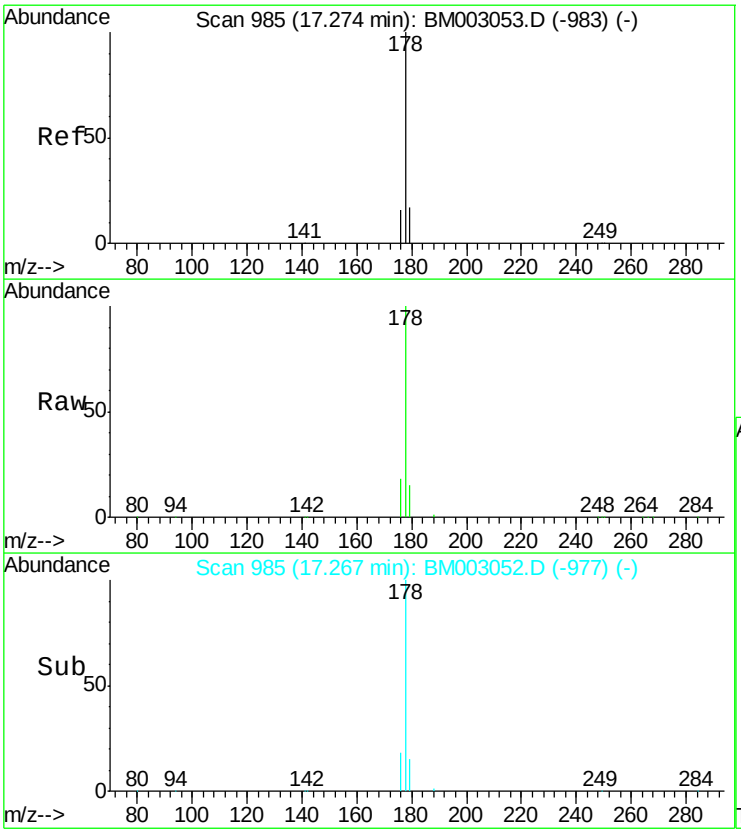
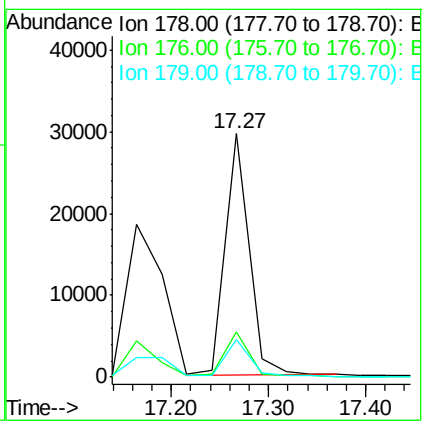
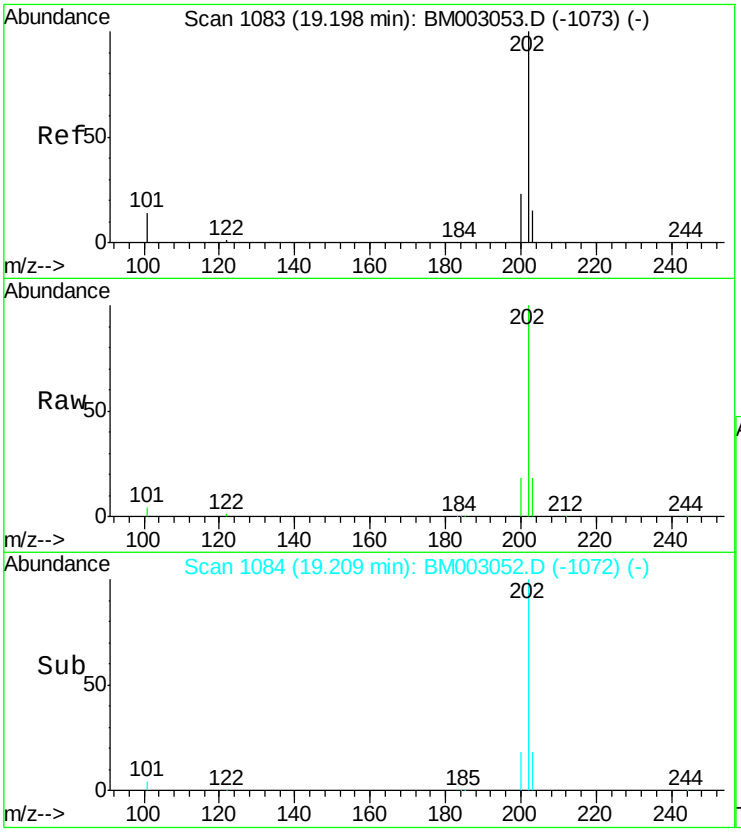


#24
Anthracene
Concen: 0.68 ng
RT: 17.27 min Scan# 985
Delta R.T. -0.01 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:178 Resp: 50308

Ion	Ratio	Lower	Upper
178	100		
176	18.2	0.0	0.0#
179	15.1	0.0	0.0#

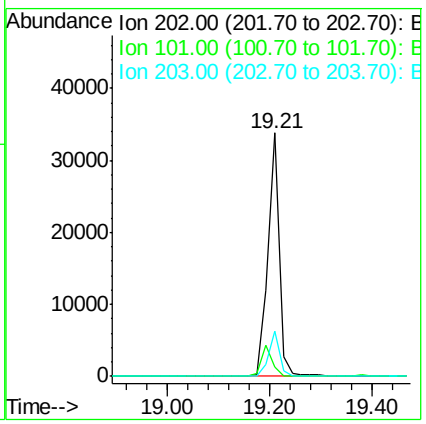




#25
Fluoranthene
Concen: 0.60 ng
RT: 19.21 min Scan# 1084
Delta R.T. 0.01 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:202 Resp: 50773

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	0.0#
203	17.5	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

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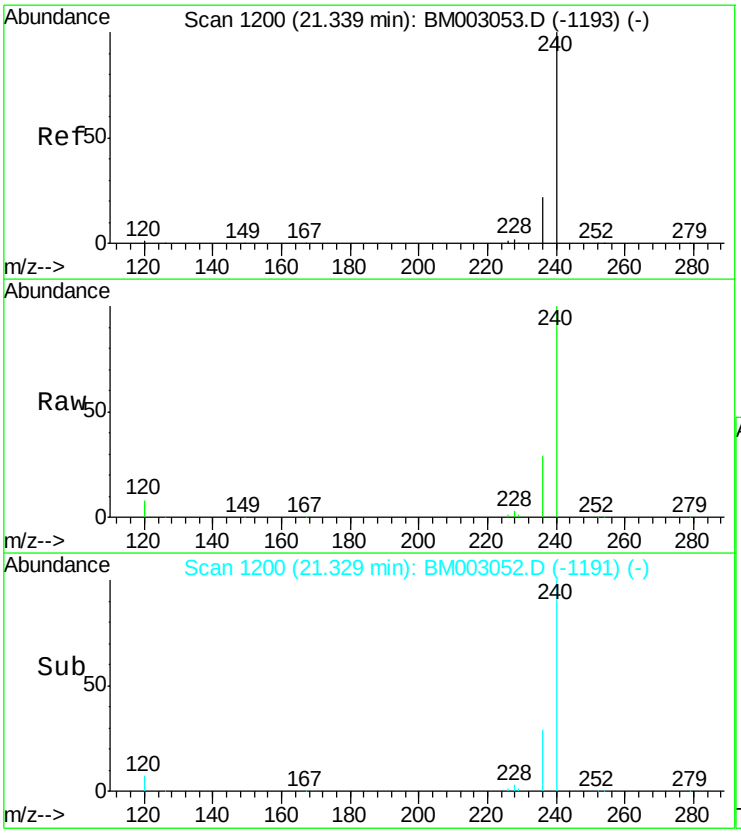
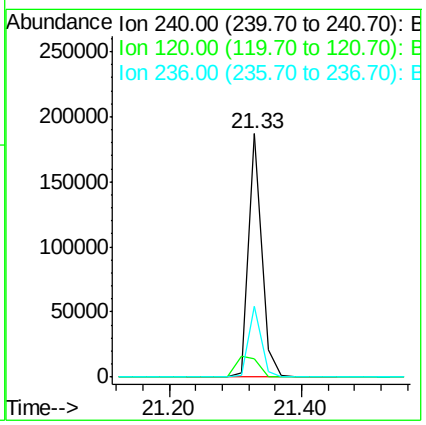
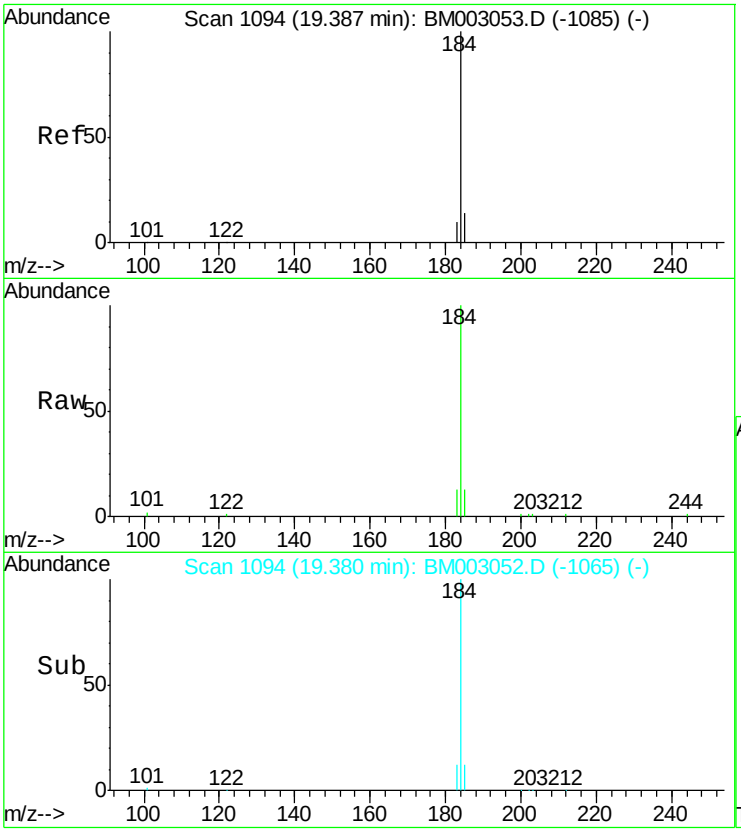


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.33 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:240 Resp: 262625

Ion	Ratio	Lower	Upper
240	100		
120	7.6	1.0	1.4#
236	29.0	17.9	26.9#





#27
Benzidine
Concen: 0.54 ng
RT: 19.38 min Scan# 1094
Delta R.T. -0.01 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:184 Resp: 16162

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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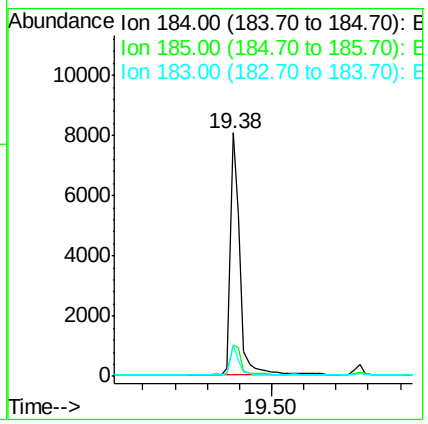
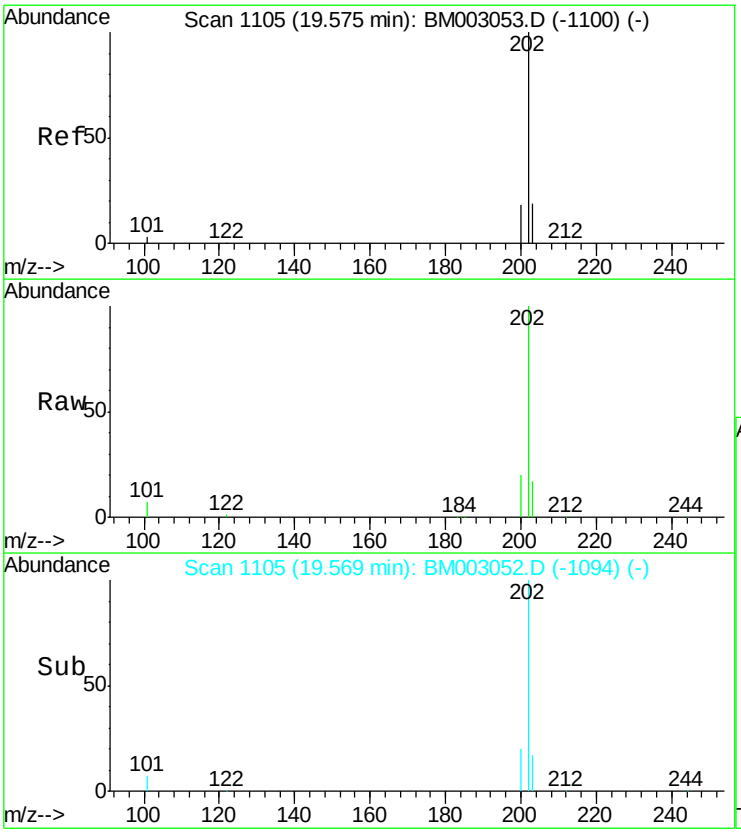
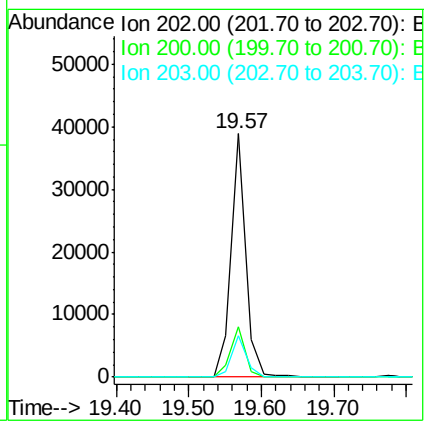


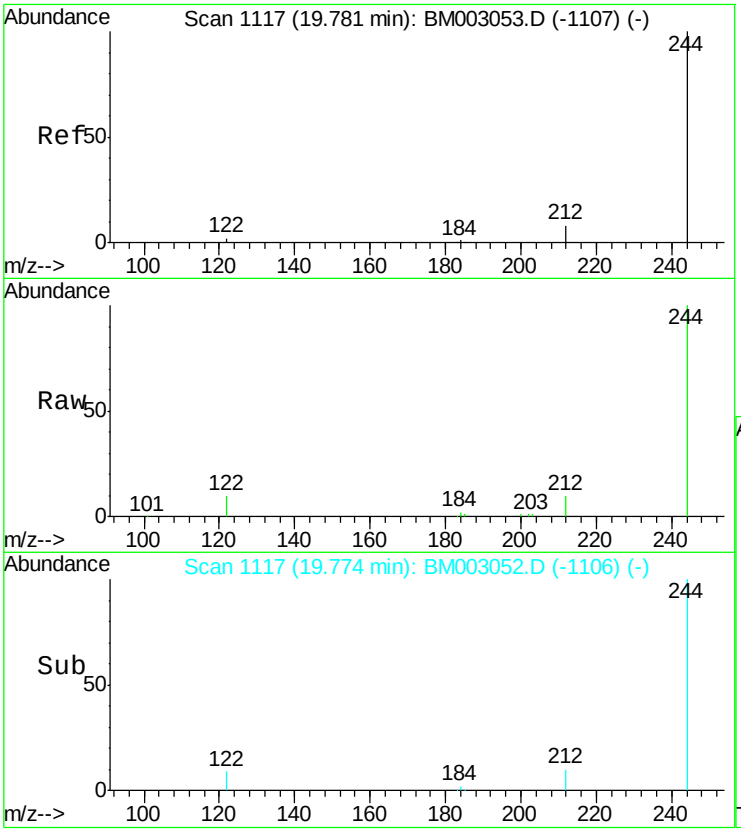


#28
Pyrene
Concen: 0.70 ng
RT: 19.57 min Scan# 1105
Delta R.T. -0.01 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:202 Resp: 53850

Ion	Ratio	Lower	Upper
202	100		
200	20.8	0.0	0.0#
203	17.4	0.0	0.0#





#29
Terphenyl-d14
Concen: 0.67 ng
RT: 19.77 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:244 Resp: 26552

Ion	Ratio	Lower	Upper
244	100		
212	10.0	6.5	9.7#
122	9.8	2.0	3.0#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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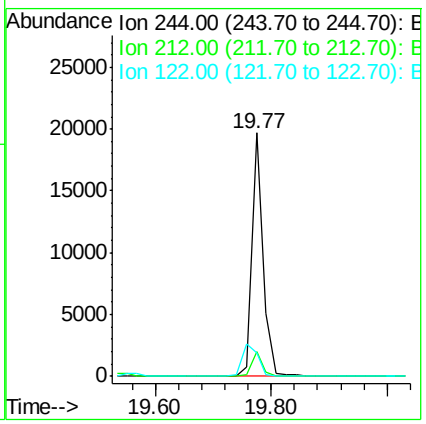
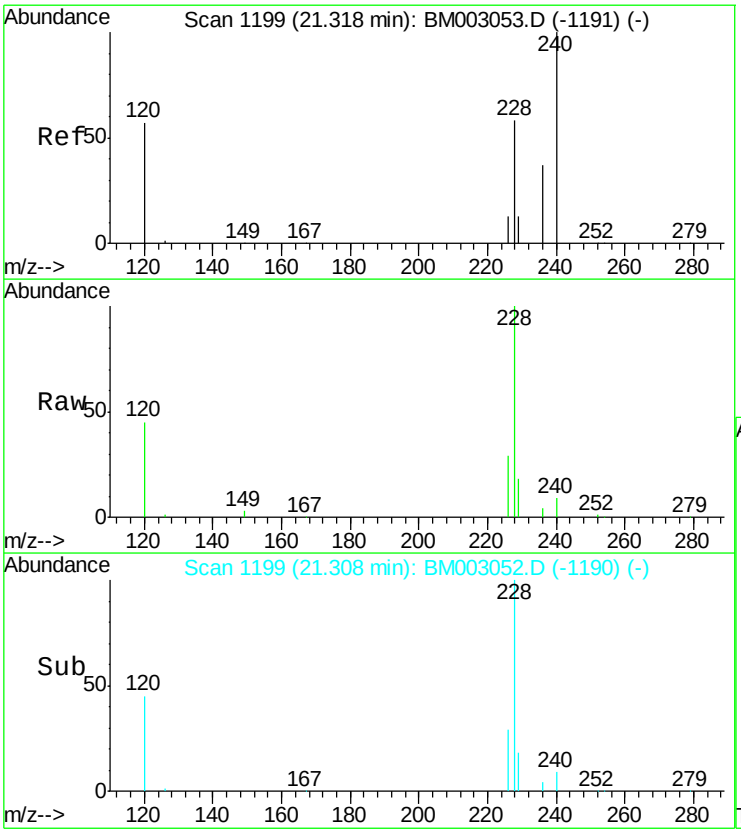
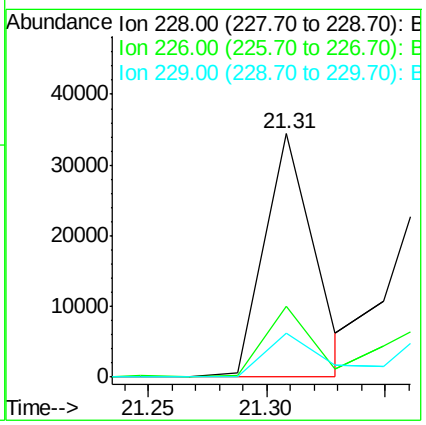


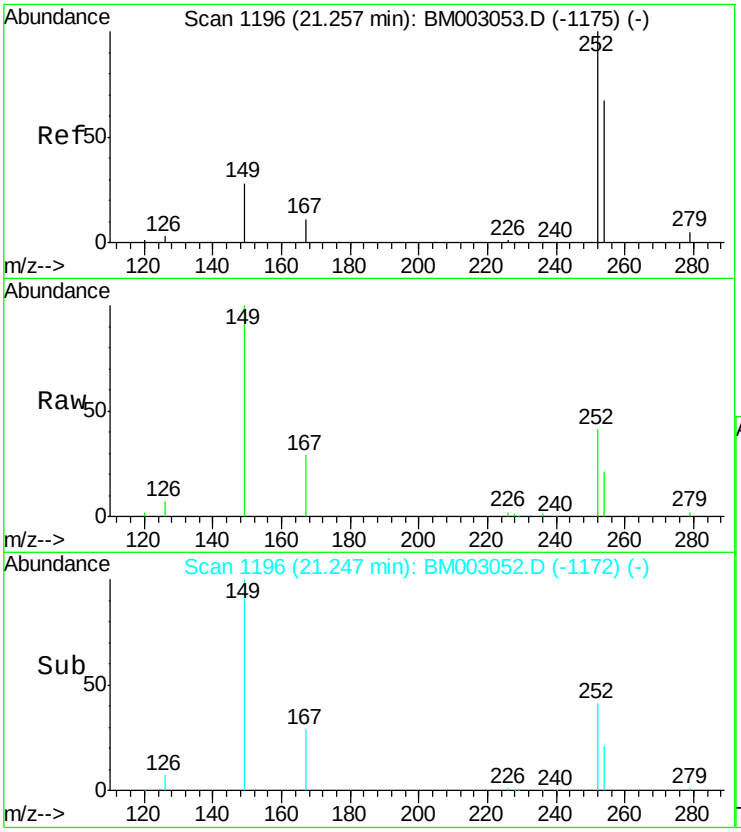


#30
Benzo(a)anthracene
Concen: 0.68 ng m
RT: 21.31 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:228 Resp: 50683

Ion	Ratio	Lower	Upper
228	100		
226	29.0	17.8	26.6#
229	17.8	18.0	27.0#

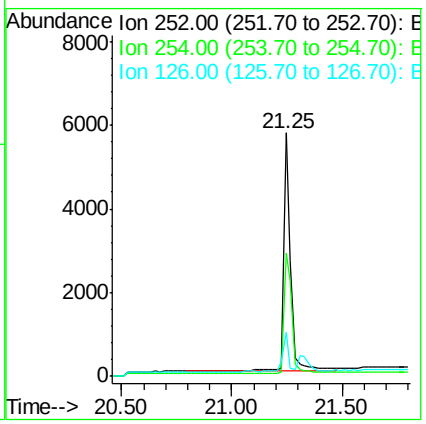




#31
3,3'-Dichlorobenzidine
Concen: 0.48 ng
RT: 21.25 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:252 Resp: 12084

Ion	Ratio	Lower	Upper
252	100		
254	50.8	53.7	80.5#
126	18.1	2.8	4.2#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

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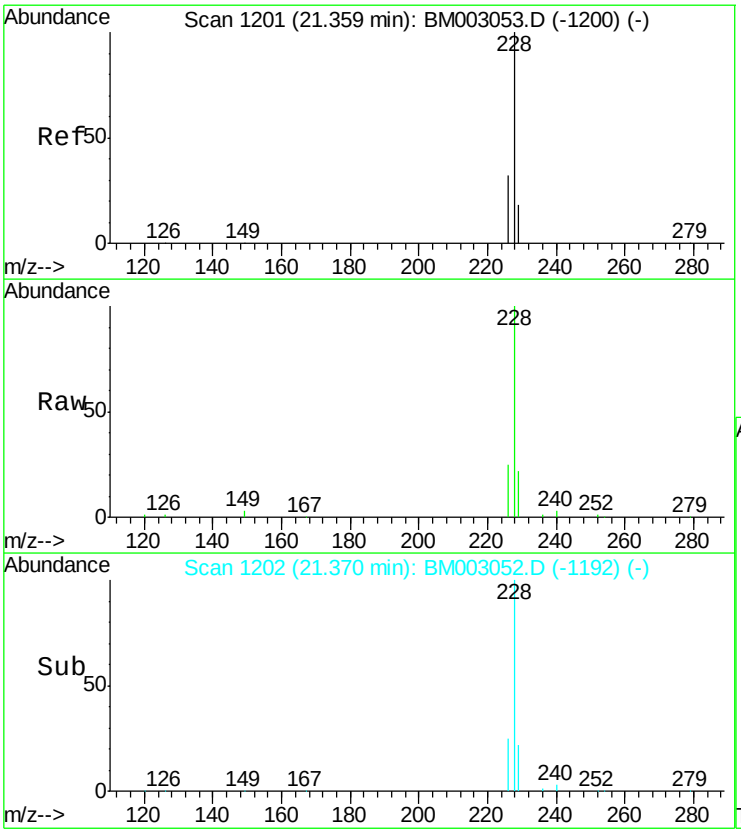
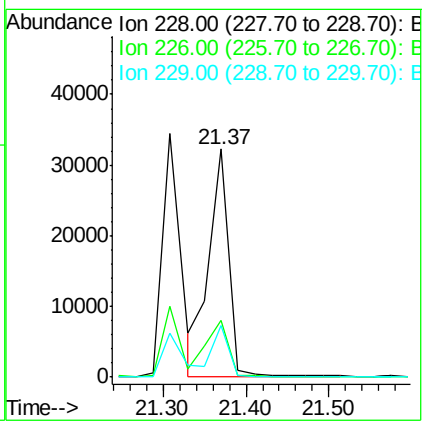
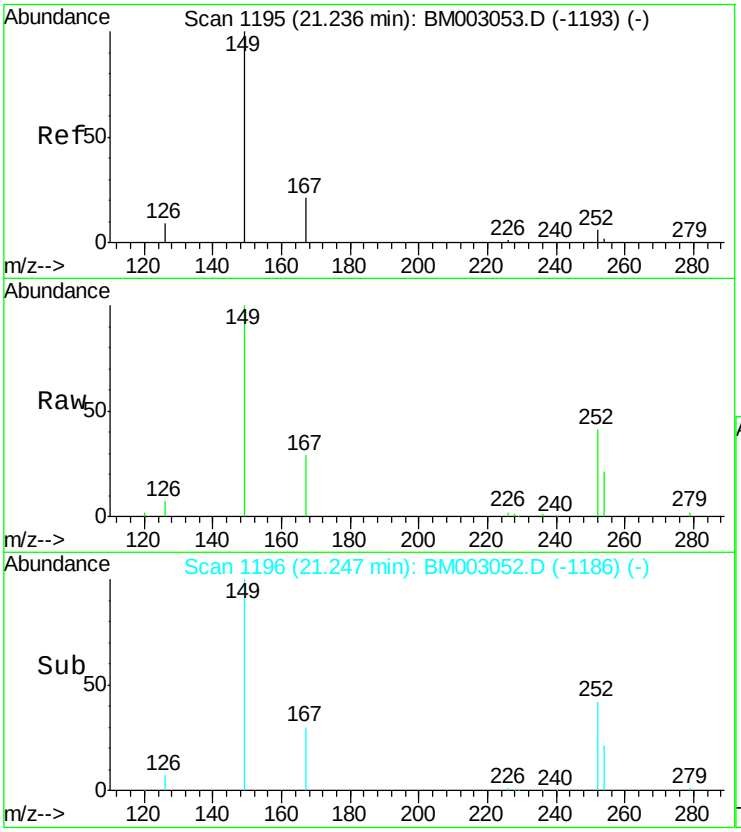


#32
Chrysene
Concen: 0.77 ng m
RT: 21.37 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:228 Resp: 56033

Ion	Ratio	Lower	Upper
228	100		
226	24.8	25.5	38.3#
229	22.4	14.3	21.5#





#33
Bis(2-ethylhexyl)phthalate
Concen: 0.44 ng
RT: 21.25 min Scan# 1196
Delta R.T. 0.01 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:149 Resp: 18559

Ion	Ratio	Lower	Upper
149	100		
167	29.2	0.0	0.0#
279	0.0	0.0	0.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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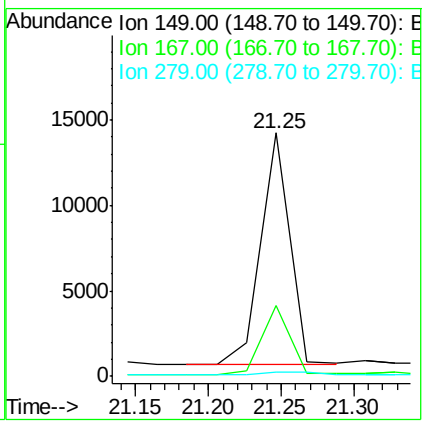
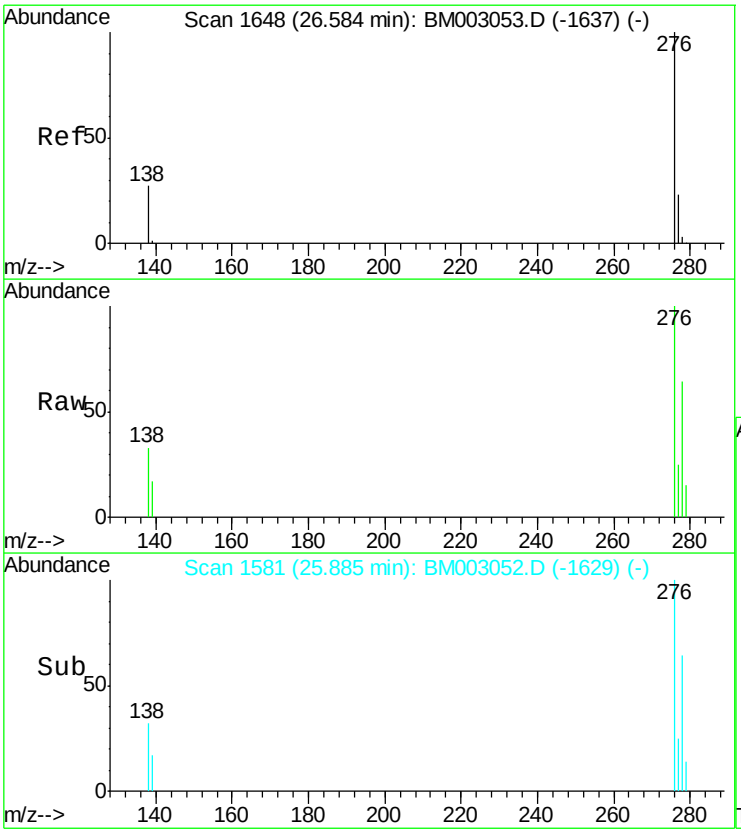
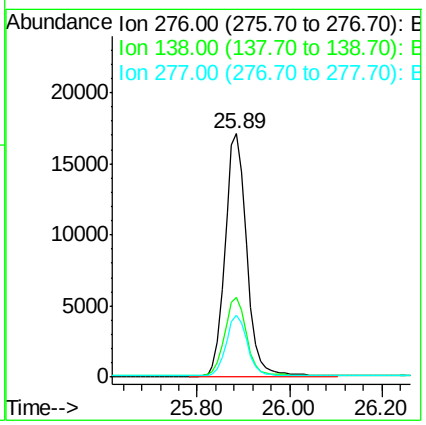


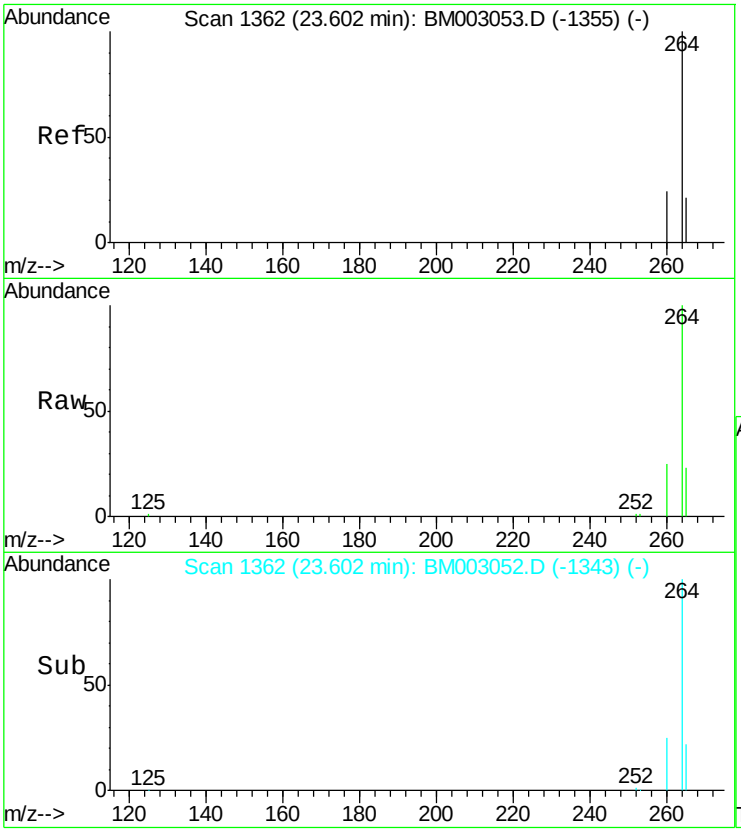


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.77 ng m
RT: 25.89 min Scan# 1581
Delta R.T. -0.70 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:276 Resp: 55728

Ion	Ratio	Lower	Upper
276	100		
138	23.9	0.0	0.0#
277	20.0	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: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:264 Resp: 228855

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.6	29.4
265	23.2	18.4	27.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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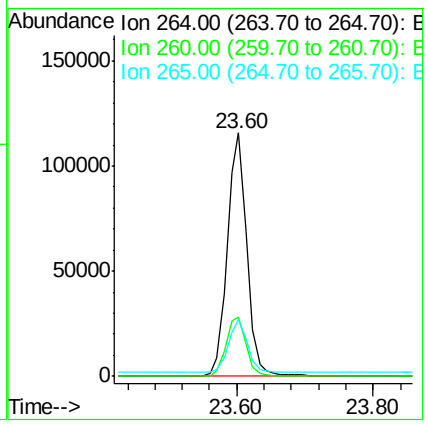
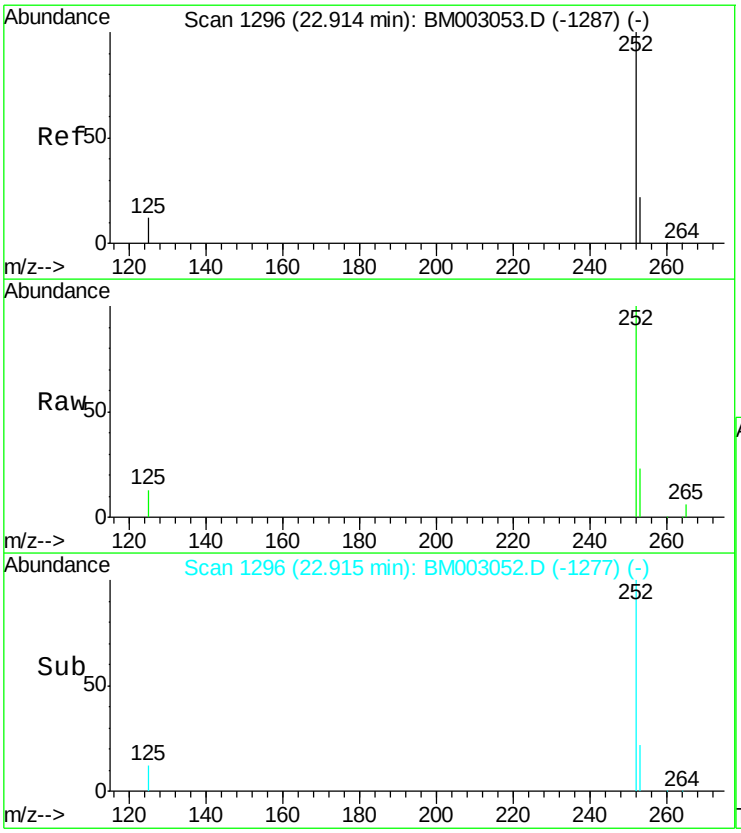
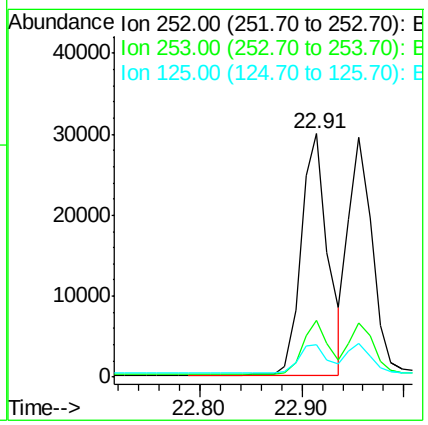


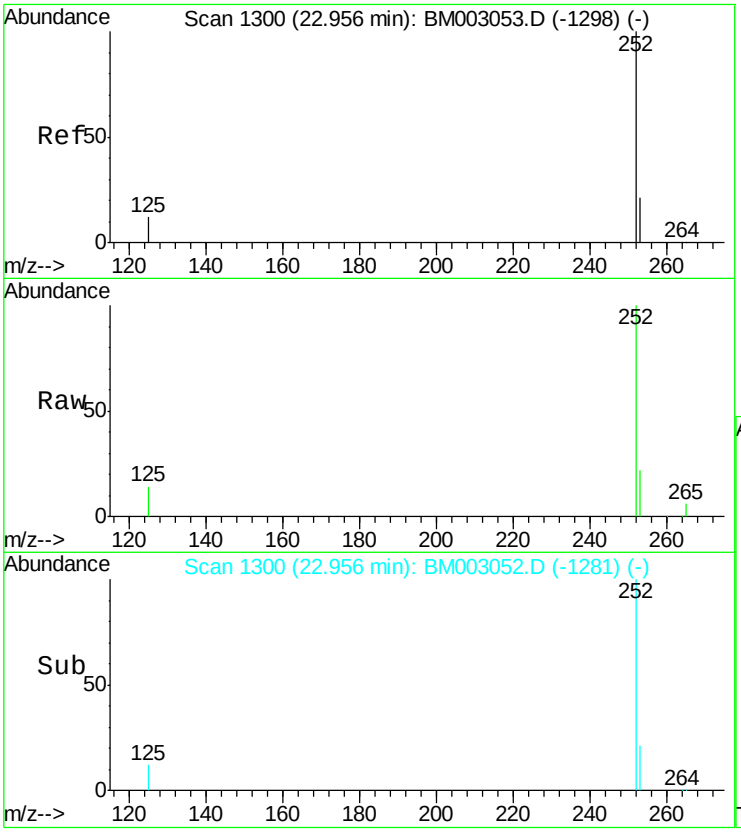


#36
Benzo(b)fluoranthene
Concen: 0.82 ng
RT: 22.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:252 Resp: 54348

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	13.3	10.3	15.5

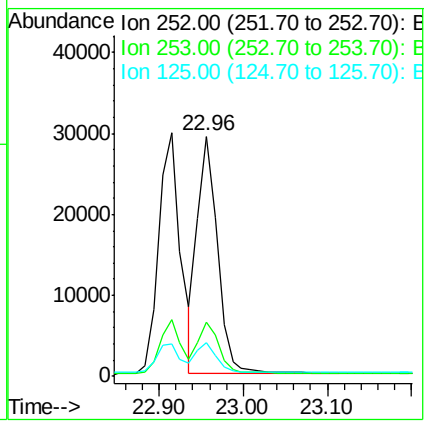




#37
Benzo(k)fluoranthene
Concen: 0.75 ng
RT: 22.96 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

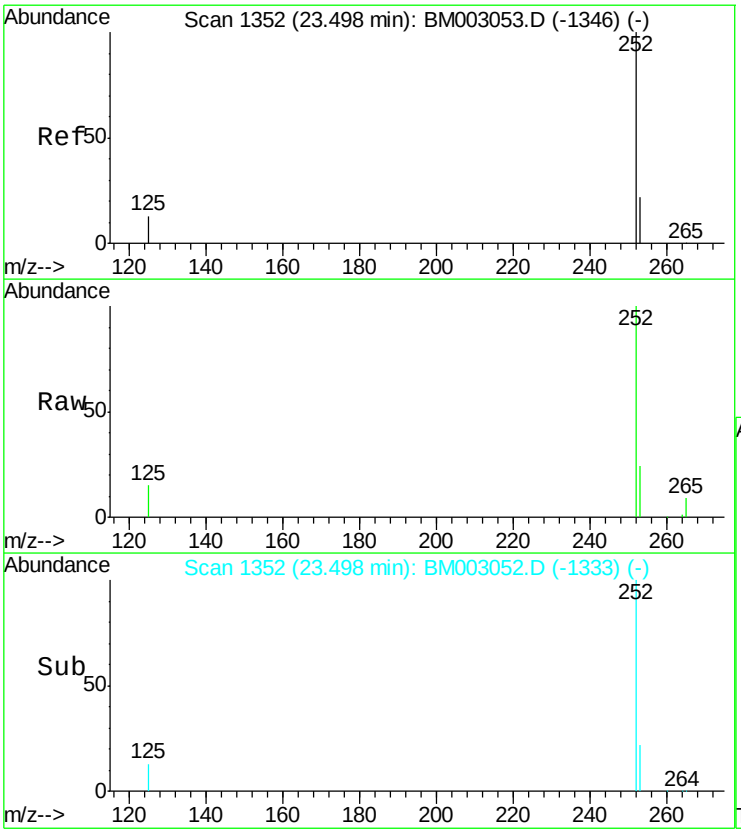
Tgt Ion:252 Resp: 48433

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	13.8	10.7	16.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

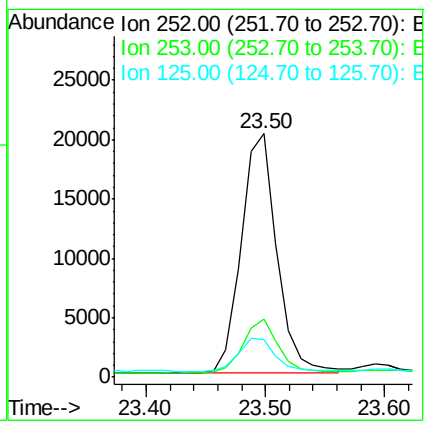
Manual Integrations APPROVED
Mmdadoda
11/5/2015 2:18:45 PM

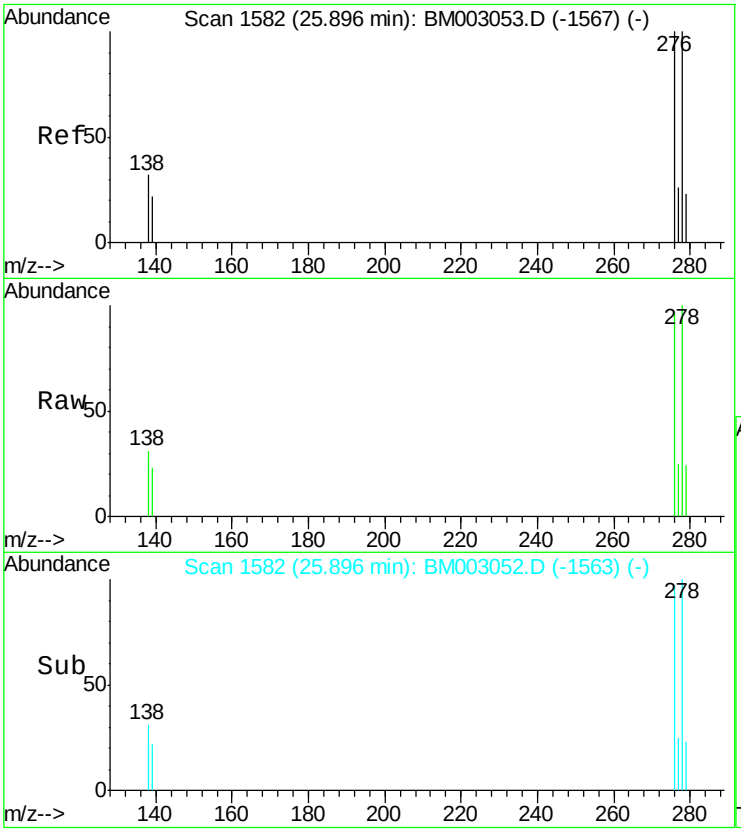


#38
Benzo(a)pyrene
Concen: 0.72 ng
RT: 23.50 min Scan# 1352
Delta R.T. 0.00 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:252 Resp: 42027

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.7	28.1
125	15.2	11.6	17.4

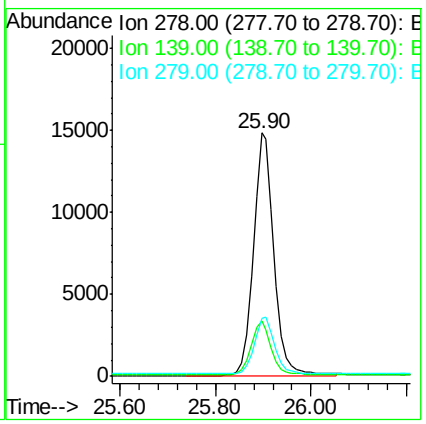




#39
Dibenzo(a,h)anthracene
Concen: 0.79 ng
RT: 25.90 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

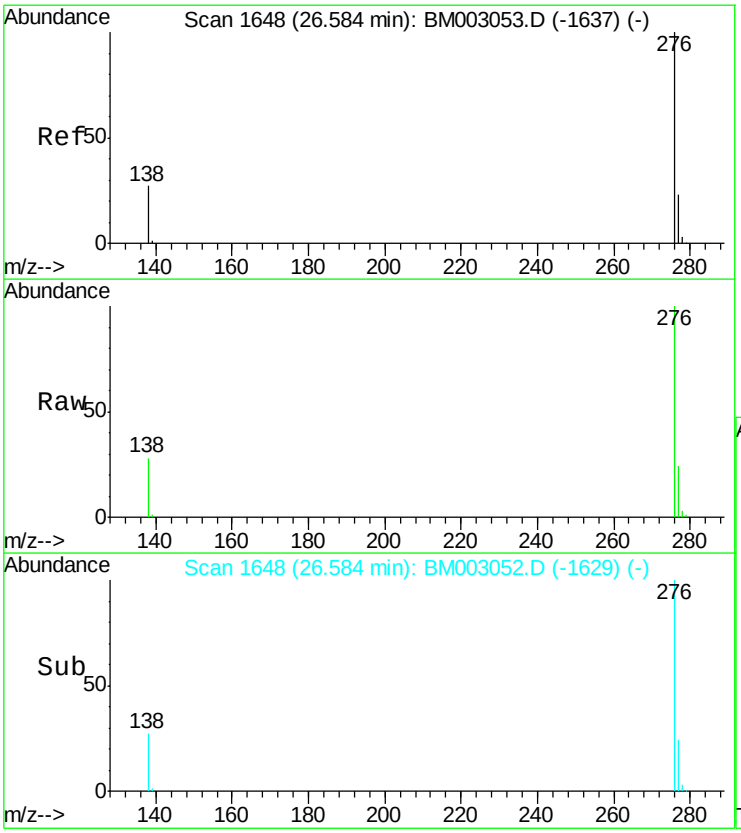
Tgt Ion:278 Resp: 44314

Ion	Ratio	Lower	Upper
278	100		
139	22.9	18.2	27.4
279	23.7	18.8	28.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
Mmdadoda
11/5/2015 2:18:45 PM



#40
Benzo(g,h,i)perylene
Concen: 0.81 ng
RT: 26.58 min Scan# 1648
Delta R.T. 0.00 min
Lab File: BM003052.D
Acq: 04 Nov 2015 20:25

Tgt Ion:276 Resp: 47570

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.6
138	28.0	22.3	33.5