Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110415\
Data File : BM003054.D
Acq On : 04 Nov 2015 21:38
Operator : UM/IZ
Sample : SSTDICC002
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SSTDICC002

Manual Integrations APPROVED
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11/5/2015 2:18:54 PM

Quant Time: Nov 16 18:46:51 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	7.76	152	86890	5.00	ng		0.00
7) Naphthalene-d8	10.54	136	366078	5.00	ng		0.00
13) Acenaphthene-d10	14.39	164	196162	5.00	ng		0.00
19) Phenanthrene-d10	17.14	188	489893	5.00	ng		0.00
26) Chrysene-d12	21.33	240	426175	5.00	ng		0.00
35) Perylene-d12	23.60	264	302295	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.35	112	34369	2.08	ng		0.00
5) Phenol-d6	6.92	99	41868	2.02	ng		0.00
8) Nitrobenzene-d5	8.92	82	31942	1.83	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	10792	1.77	ng		0.00
15) 2-Fluorobiphenyl	13.03	172	114574	1.83	ng		0.00
29) Terphenyl-d14	19.77	244	110480	1.73	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.26	88	15467	1.87	ng	#	100
3) n-Nitrosodimethylamine	3.57	42	15638	2.35	ng	#	100
6) bis(2-Chloroethyl)ether	7.17	93	40484	2.04	ng	#	1
9) Nitrobenzene	8.96	77	35213	1.90	ng	#	100
10) Naphthalene	10.60	128	149675	1.85	ng		98
11) Hexachlorobutadiene	10.89	225	22311	1.73	ng	#	100
12) 2-Methylnaphthalene	12.22	142	102257	1.88	ng		95
16) Acenaphthylene	14.11	152	150157	1.78	ng	#	100
17) Acenaphthene	14.46	154	102568	1.77	ng	#	100
18) Fluorene	15.46	166	110766	1.61	ng	#	100
20) 4-Bromophenyl-phenylether	16.32	248	25942	1.25	ng	#	100
21) Hexachlorobenzene	16.45	284	38142m	1.53	ng		
22) Pentachlorophenol	16.78	266	11584	3.81	ng		89
23) Phenanthrene	17.16	178	170804	1.45	ng	#	100
24) Anthracene	17.27	178	201643	1.86	ng	#	100
25) Fluoranthene	19.21	202	201706	1.60	ng	#	100
27) Benzidine	19.38	184	64845	1.32	ng		96
28) Pyrene	19.57	202	224455	1.79	ng	#	100
30) Benzo(a)anthracene	21.31	228	209387m	1.74	ng		
31) 3,3'-Dichlorobenzidine	21.25	252	49071	1.21	ng	#	79
32) Chrysene	21.37	228	199798m	1.69	ng		
33) Bis(2-ethylhexyl)phthalate	21.25	149	88020	1.30	ng	#	100
34) Indeno(1,2,3-cd)pyrene	25.89	276	156516m	1.33	ng		
36) Benzo(b)fluoranthene	22.91	252	183928	2.11	ng		99
37) Benzo(k)fluoranthene	22.96	252	165795	1.95	ng		99
38) Benzo(a)pyrene	23.50	252	144554	1.89	ng		98
39) Dibenzo(a,h)anthracene	25.90	278	125015	1.69	ng		99
40) Benzo(g,h,i)perylene	26.58	276	129247	1.67	ng		99

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

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Acq On : 04 Nov 2015 21:38
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Misc :
ALS Vial : 8 Sample Multiplier: 1

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Instrument :
BNA_M
ClientSampleId :
SSTDICC002

Manual Integrations APPROVED
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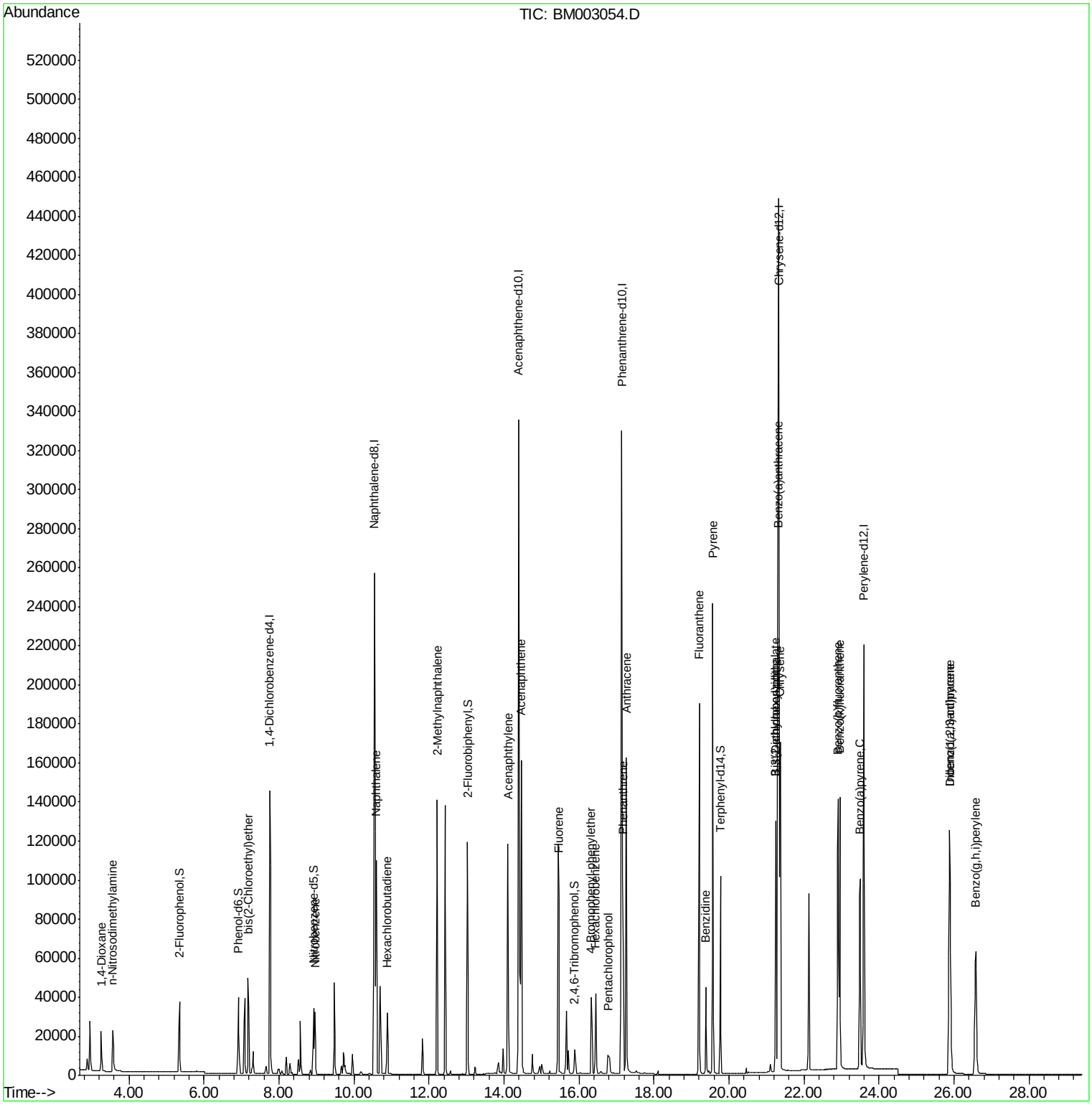
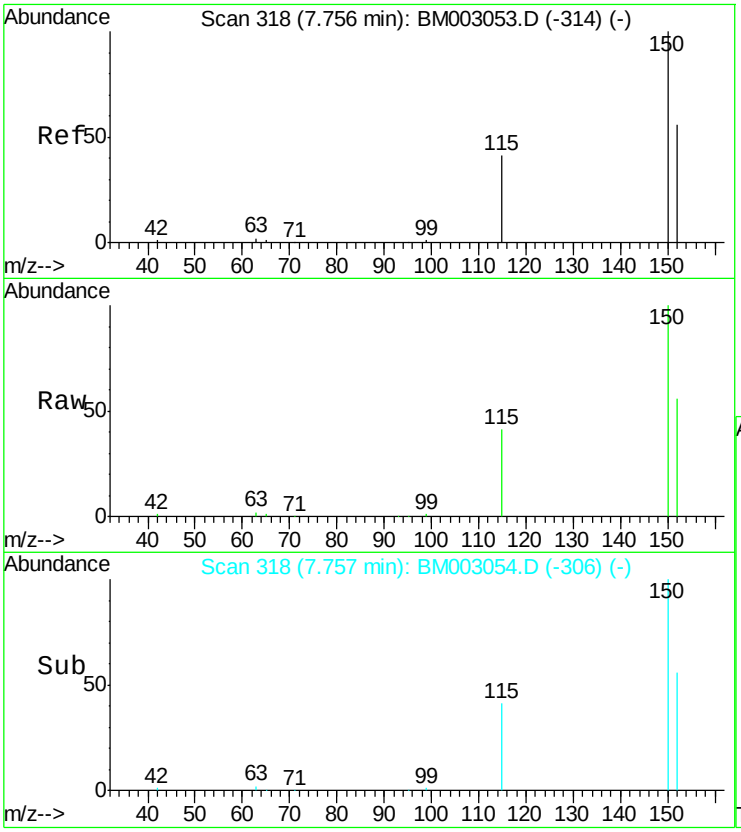
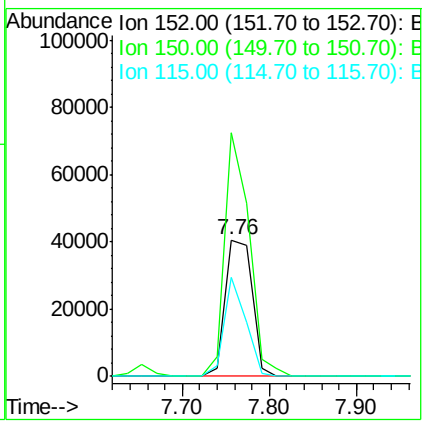




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.76 min Scan# 318
Delta R.T. 0.00 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:152 Resp: 86890

Ion	Ratio	Lower	Upper
152	100		
150	178.5	143.6	215.4
115	72.7	58.5	87.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC002

Manual Integrations APPROVED
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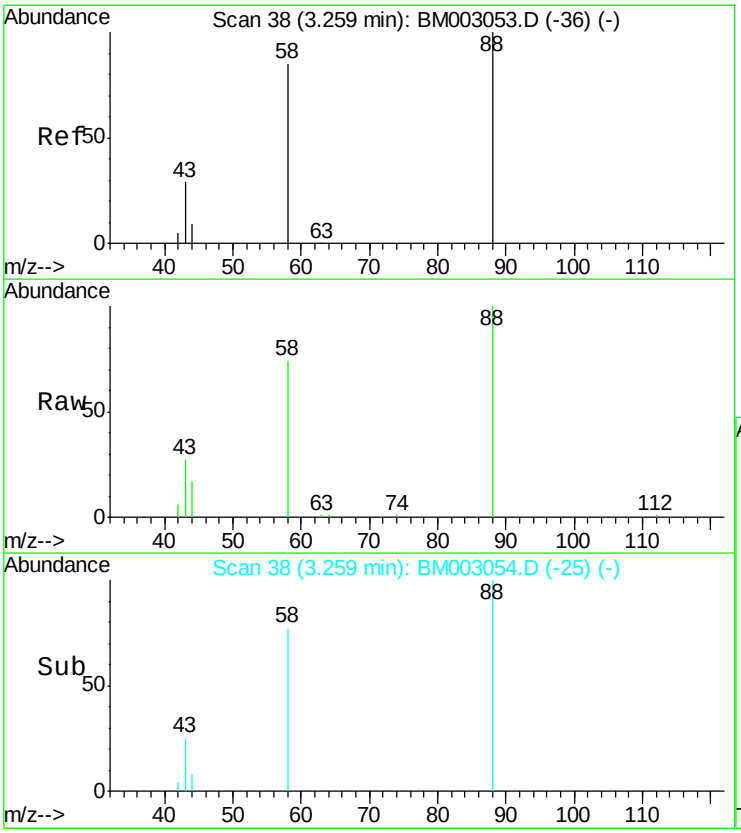
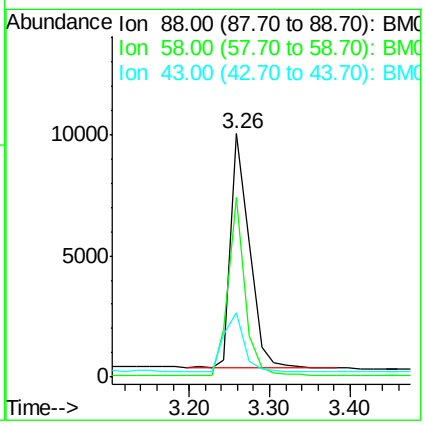
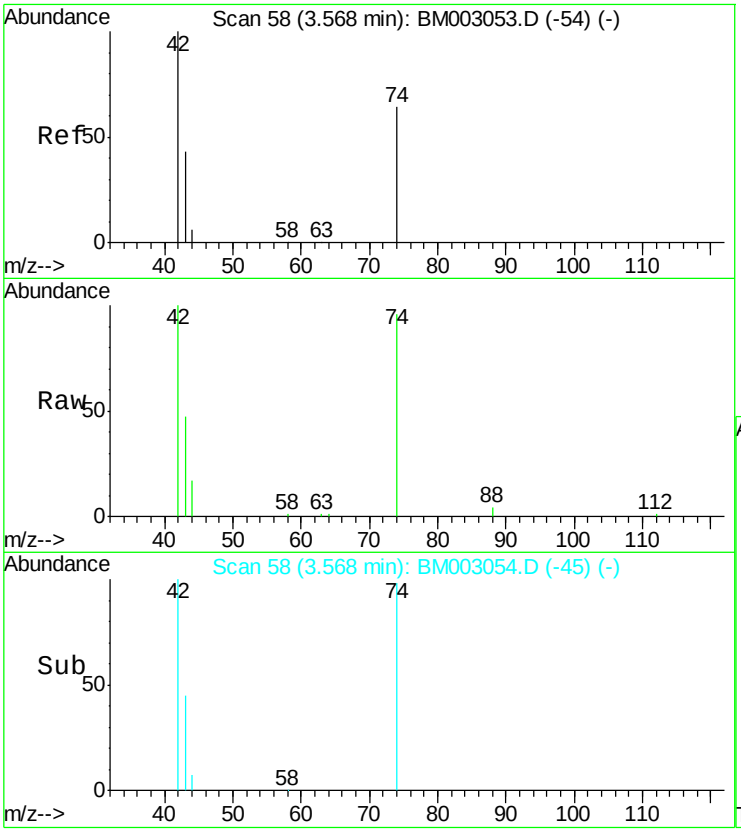


#2
1,4-Dioxane
Concen: 1.87 ng
RT: 3.26 min Scan# 38
Delta R.T. 0.00 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion: 88 Resp: 15467

Ion	Ratio	Lower	Upper
88	100		
58	68.6	0.0	0.0#
43	27.6	0.0	0.0#





#3
n-Nitrosodimethylamine
Concen: 2.35 ng
RT: 3.57 min Scan# 58
Delta R.T. 0.00 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion: 42 Resp: 15638

Ion	Ratio	Lower	Upper
42	100		
74	129.7	0.0	0.0#
44	6.8	0.0	0.0#

Instrument :
BNA_M
ClientSampleId :
SSTDICC002

Manual Integrations APPROVED
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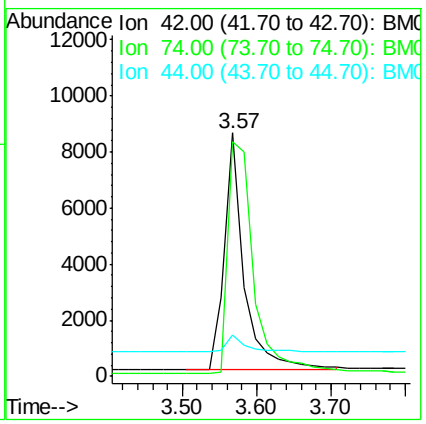
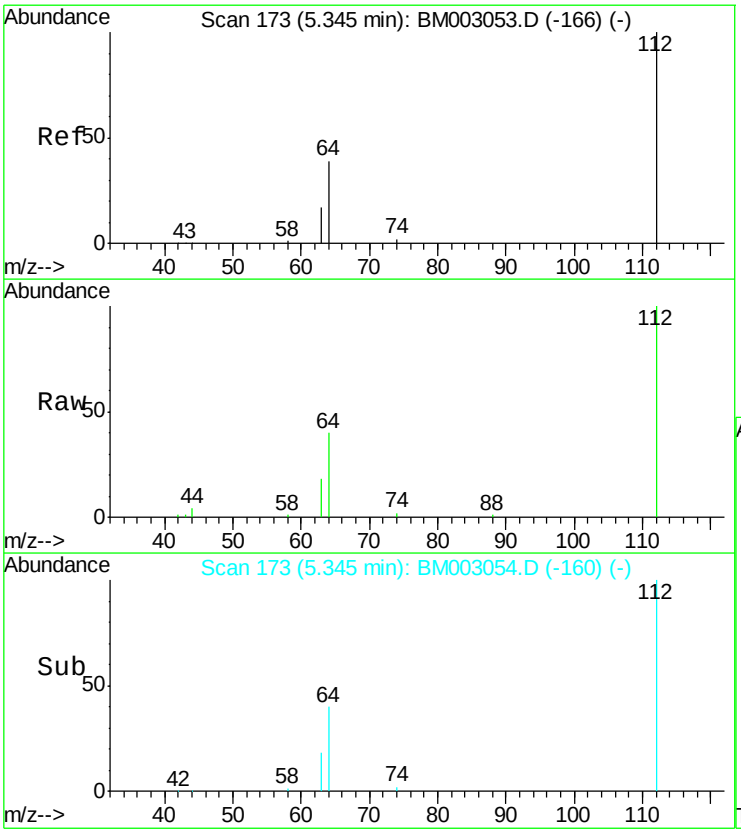
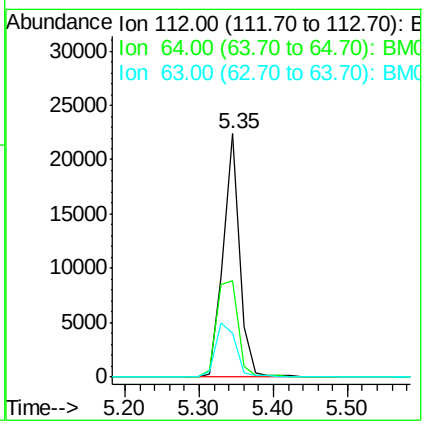


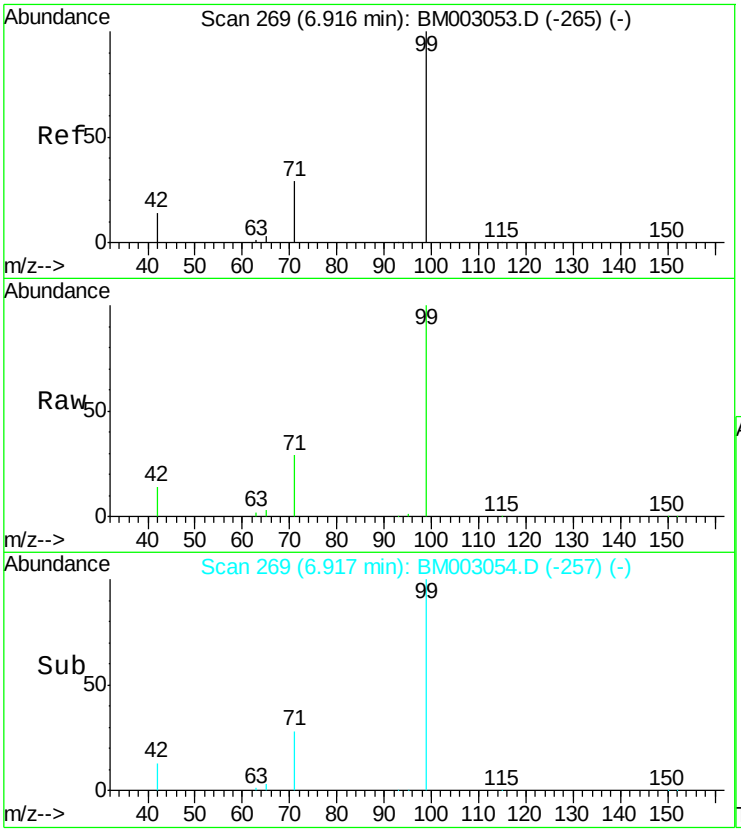


#4
2-Fluorophenol
Concen: 2.08 ng
RT: 5.35 min Scan# 173
Delta R.T. 0.00 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:112 Resp: 34369

Ion	Ratio	Lower	Upper
112	100		
64	51.6	0.0	0.0#
63	26.7	0.0	0.0#





#5
Phenol-d6
Concen: 2.02 ng
RT: 6.92 min Scan# 269
Delta R.T. 0.00 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion: 99 Resp: 41868

Ion	Ratio	Lower	Upper
99	100		
42	18.3	3.4	5.0#
71	29.1	1.0	1.4#

Instrument :
BNA_M
ClientSampleId :
SSTDICC002

Manual Integrations APPROVED
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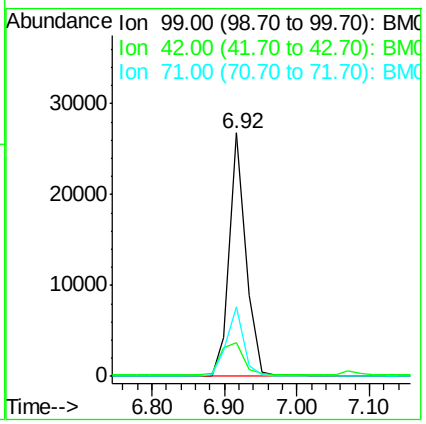
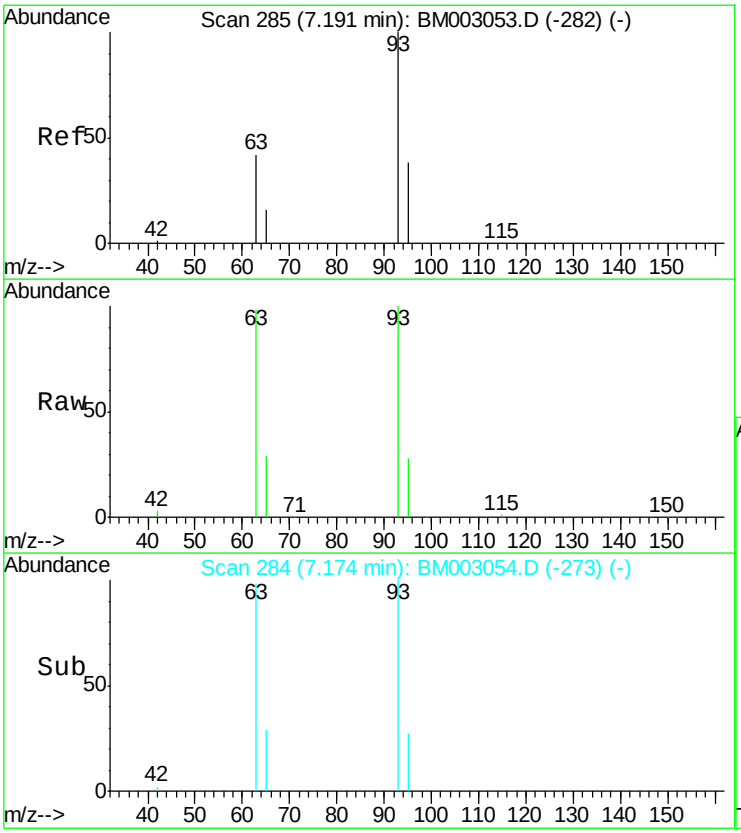
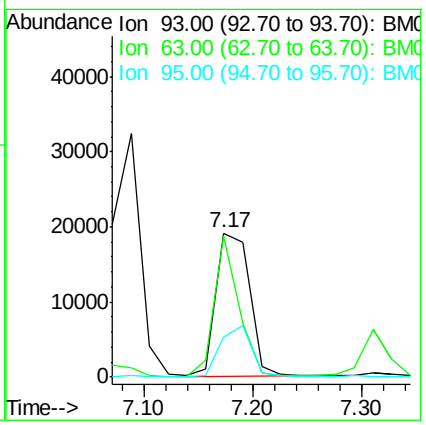


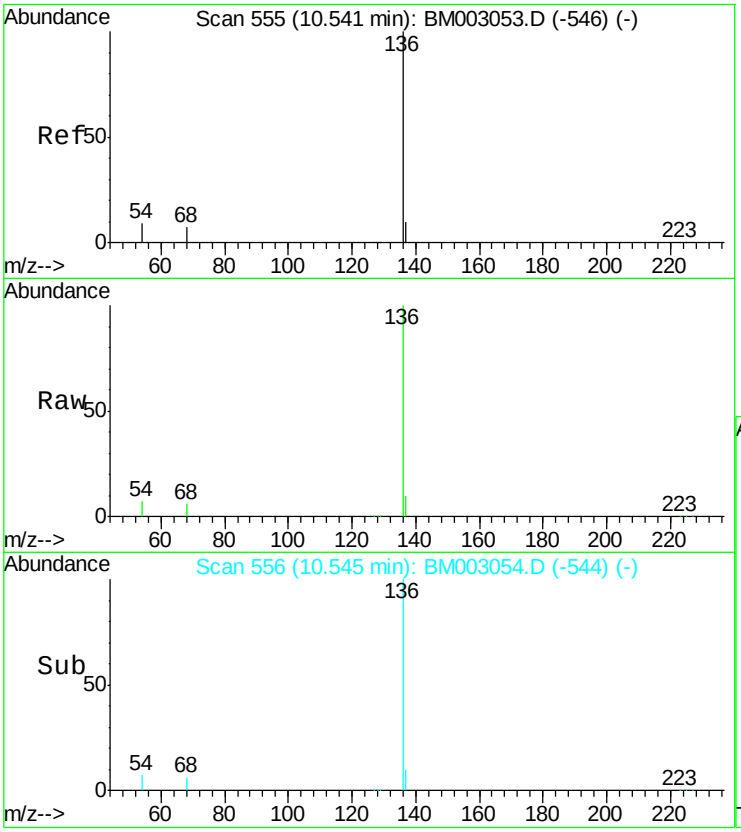


#6
bis(2-Chloroethyl)ether
Concen: 2.04 ng
RT: 7.17 min Scan# 284
Delta R.T. -0.02 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion: 93 Resp: 40484

Ion	Ratio	Lower	Upper
93	100		
63	72.7	5.2	7.8#
95	32.6	0.0	0.0#

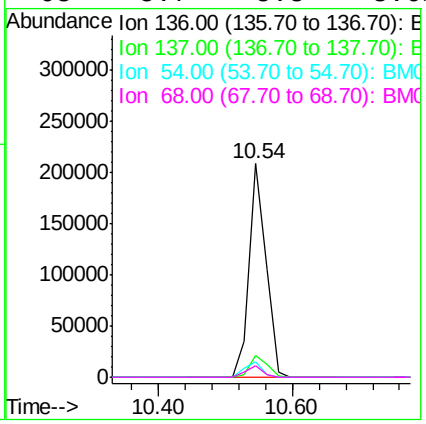




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.54 min Scan# 556
Delta R.T. 0.00 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:136 Resp: 366078

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.0	12.0
54	6.9	7.4	11.0#
68	5.7	5.8	8.6#



Instrument :
BNA_M
ClientSampleId :
SSTDICC002

Manual Integrations APPROVED
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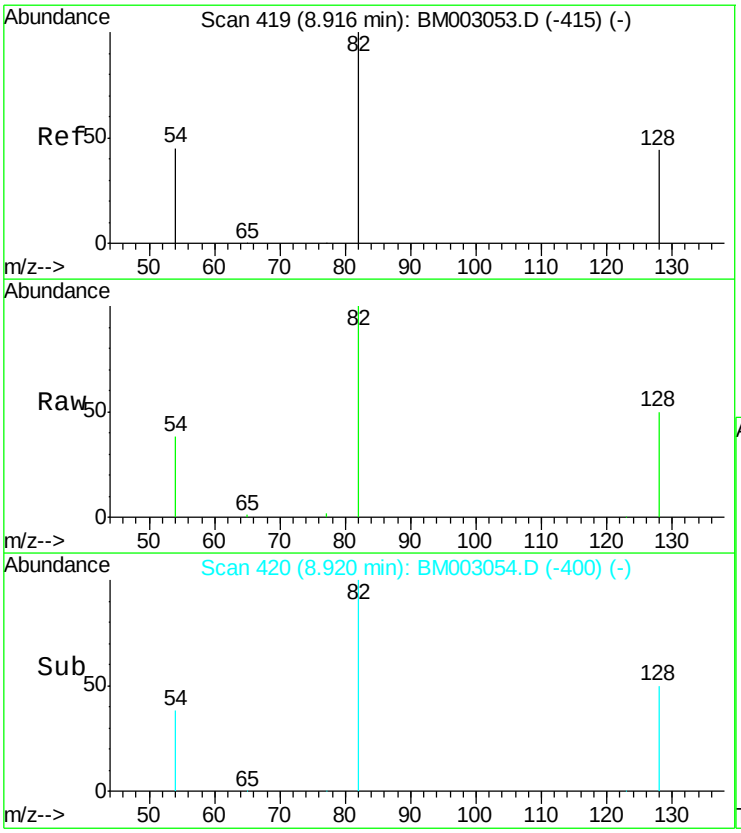
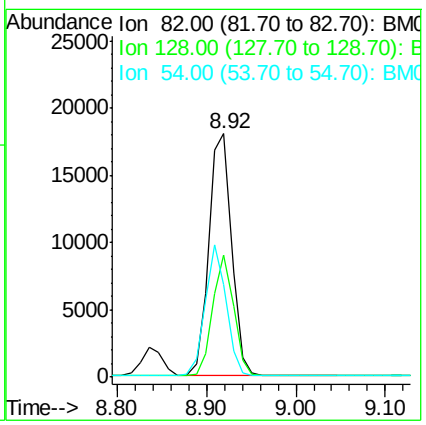
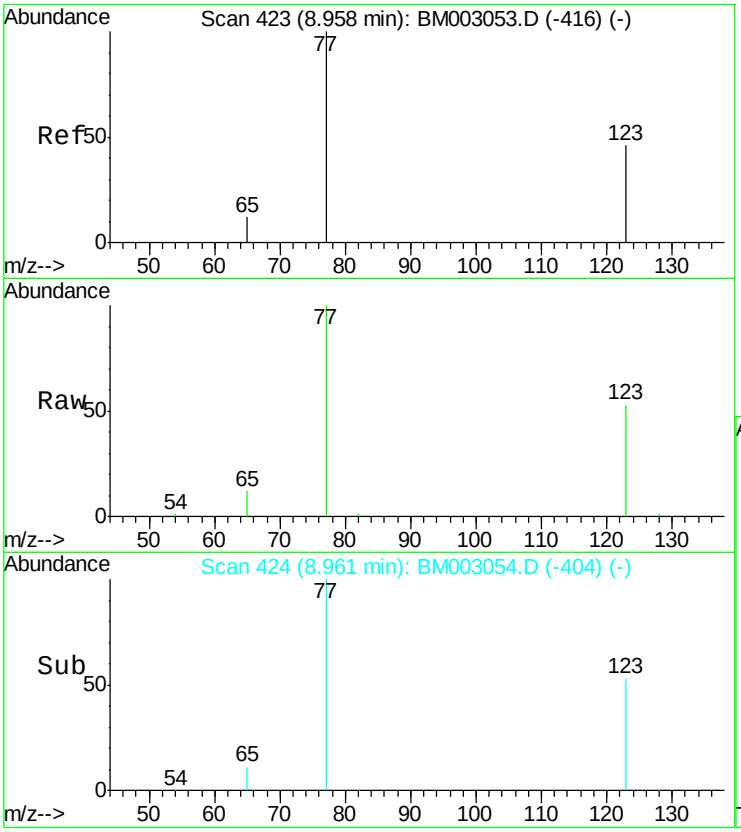


#8
Nitrobenzene-d5
Concen: 1.83 ng
RT: 8.92 min Scan# 420
Delta R.T. 0.00 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion: 82 Resp: 31942

Ion	Ratio	Lower	Upper
82	100		
128	50.2	35.2	52.8
54	37.8	36.4	54.6

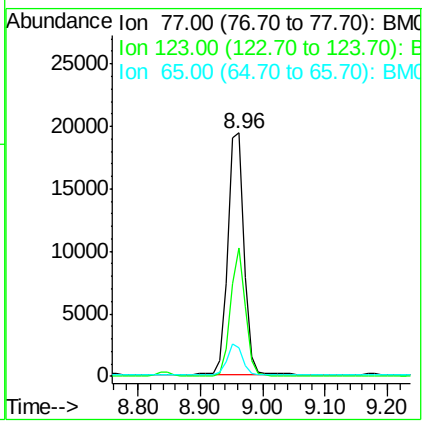




#9
Nitrobenzene
Concen: 1.90 ng
RT: 8.96 min Scan# 424
Delta R.T. 0.00 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion: 77 Resp: 35213

Ion	Ratio	Lower	Upper
77	100		
123	47.9	0.0	0.0#
65	12.4	0.0	0.0#



Instrument :
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ClientSampleId :
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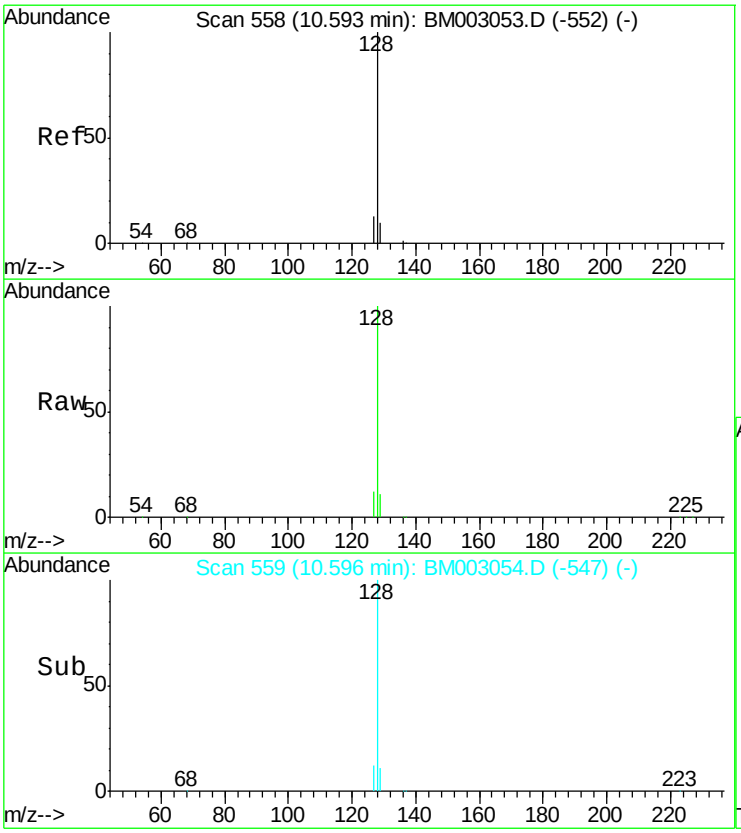
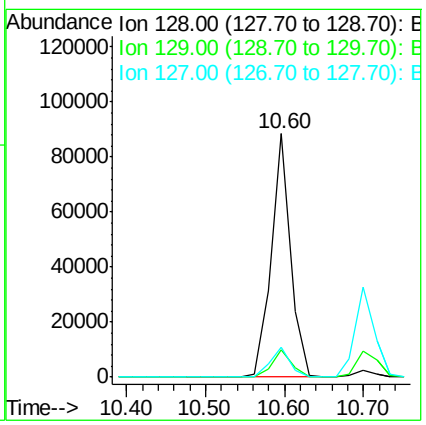
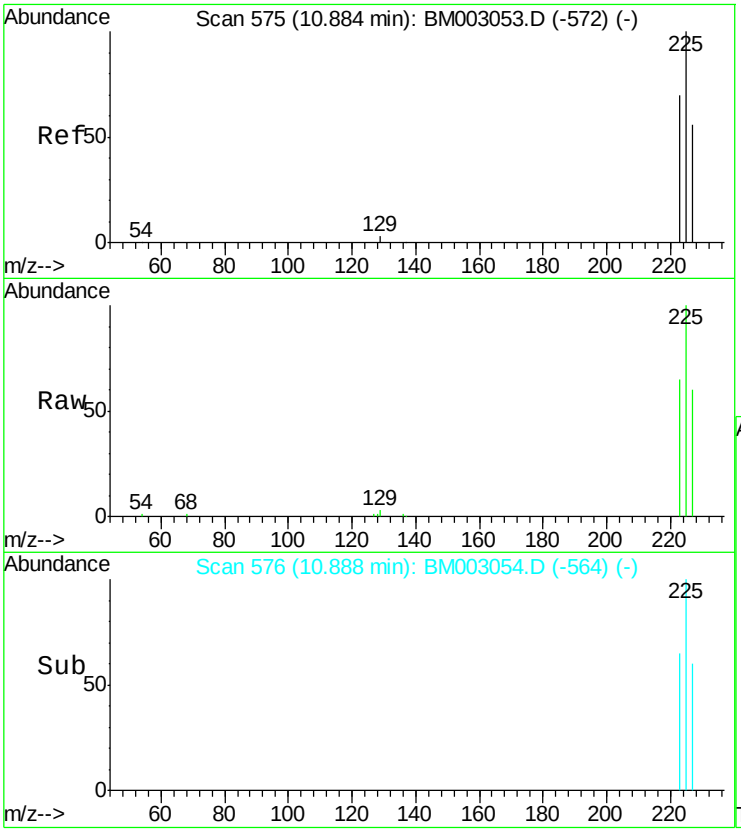


#10
Naphthalene
Concen: 1.85 ng
RT: 10.60 min Scan# 559
Delta R.T. 0.00 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:128 Resp: 149675

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.5	12.7
127	12.4	10.6	16.0





#11
Hexachlorobutadiene
Concen: 1.73 ng
RT: 10.89 min Scan# 576
Delta R.T. 0.00 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:225 Resp: 22311

Ion	Ratio	Lower	Upper
225	100		
223	64.5	0.0	0.0#
227	64.5	0.0	0.0#

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations APPROVED
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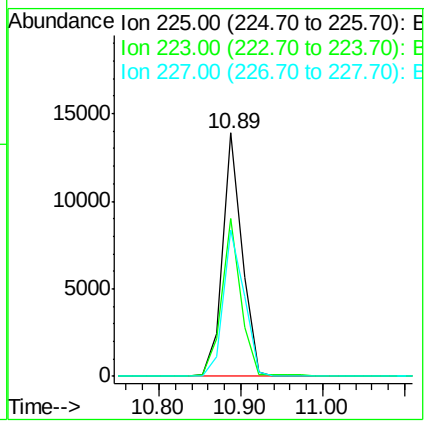
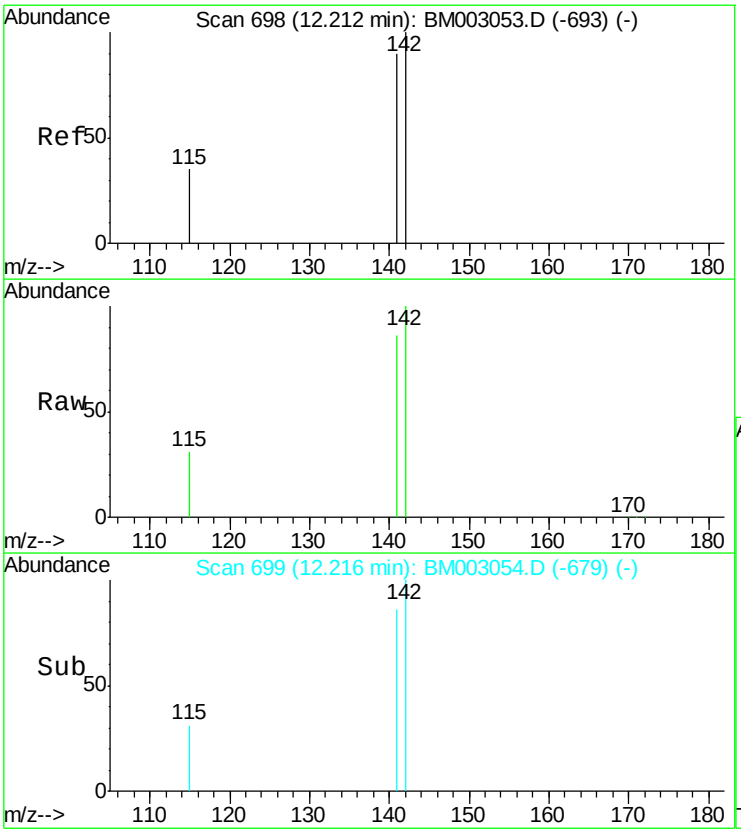
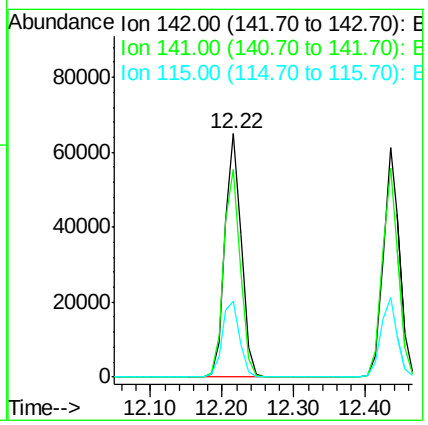


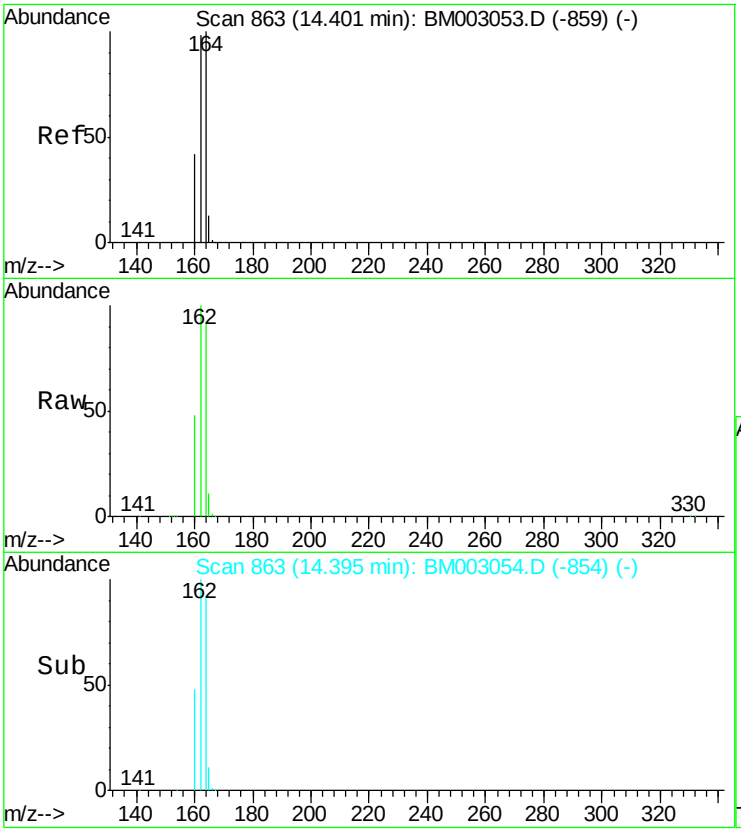


#12
2-Methylnaphthalene
Concen: 1.88 ng
RT: 12.22 min Scan# 699
Delta R.T. 0.00 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:142 Resp: 102257

Ion	Ratio	Lower	Upper
142	100		
141	85.6	72.2	108.2
115	31.2	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: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:164 Resp: 196162

Ion	Ratio	Lower	Upper
164	100		
162	108.7	78.3	117.5
160	52.0	33.8	50.6#

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations APPROVED
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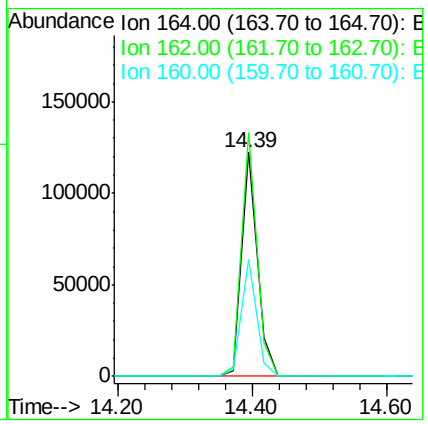
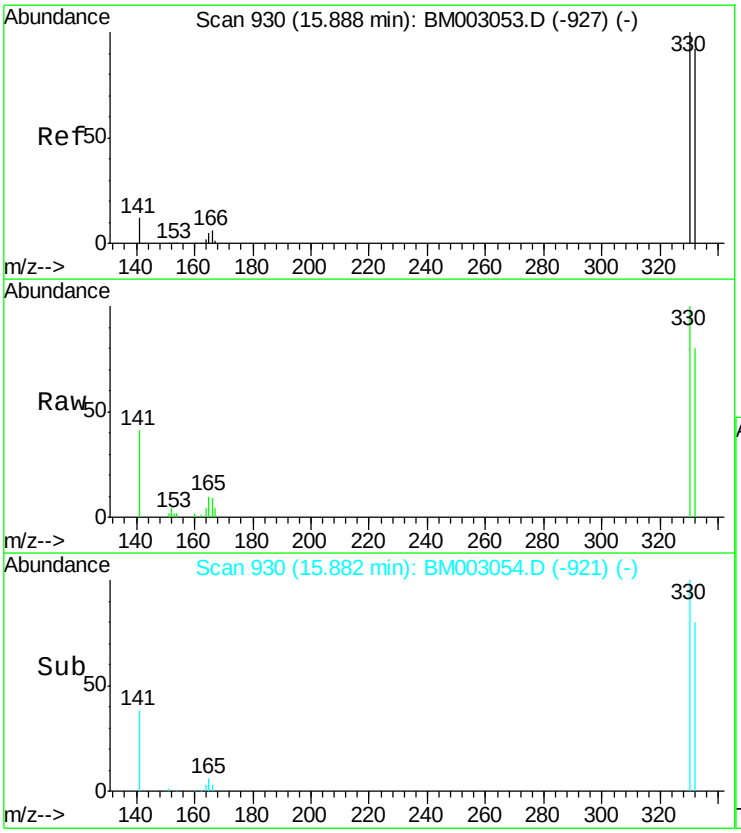
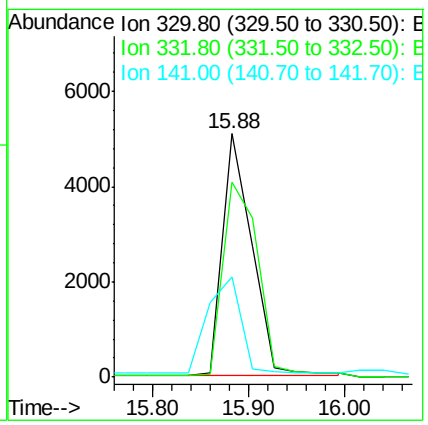


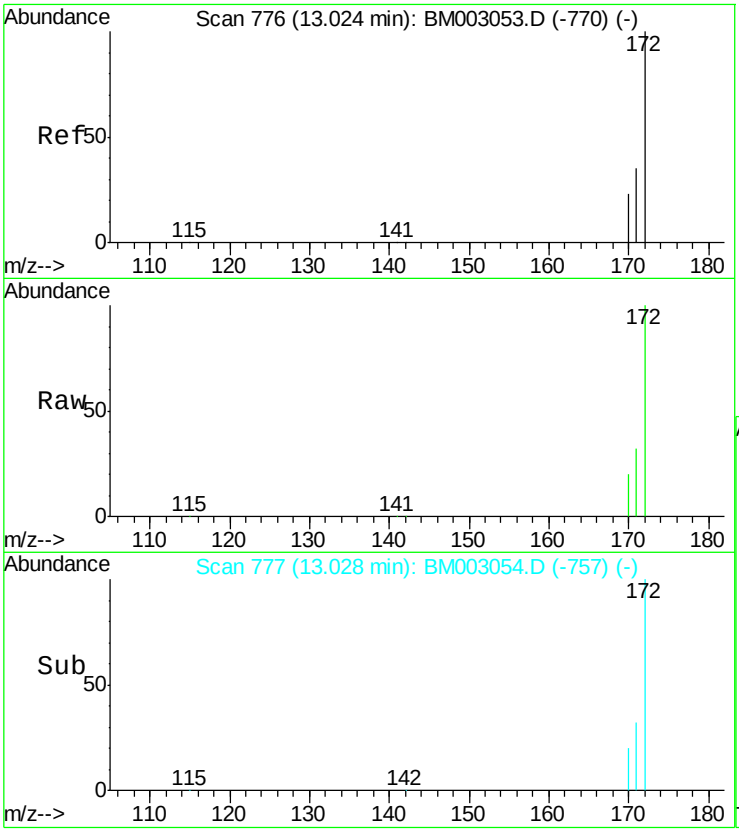


#14
2,4,6-Tribromophenol
Concen: 1.77 ng
RT: 15.88 min Scan# 930
Delta R.T. -0.01 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:330 Resp: 10792

Ion	Ratio	Lower	Upper
330	100		
332	94.9	0.0	0.0#
141	45.0	0.0	0.0#

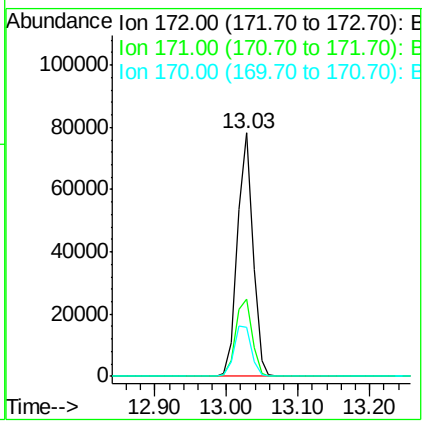




#15
2-Fluorobiphenyl
Concen: 1.83 ng
RT: 13.03 min Scan# 777
Delta R.T. 0.00 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:172 Resp: 114574

Ion	Ratio	Lower	Upper
172	100		
171	31.9	28.0	42.0
170	20.1	18.9	28.3



Instrument :
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ClientSampleId :
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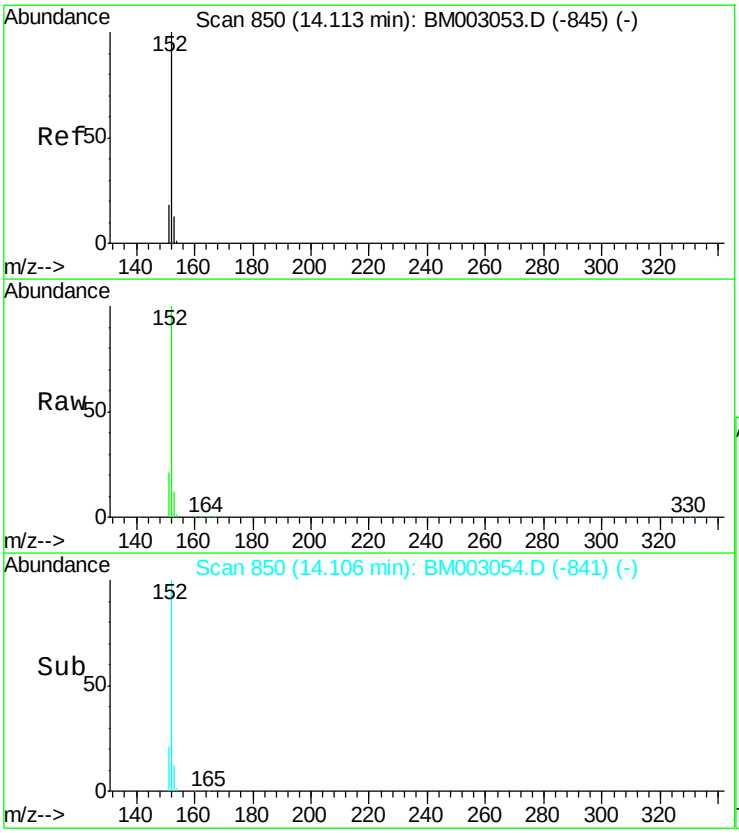
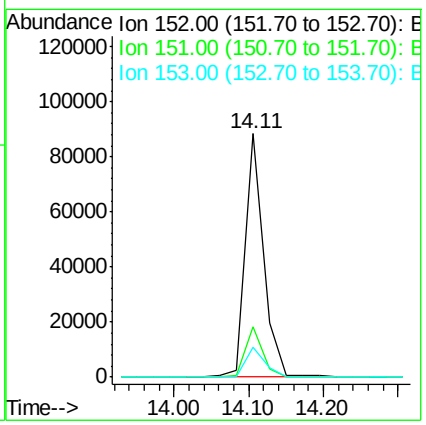
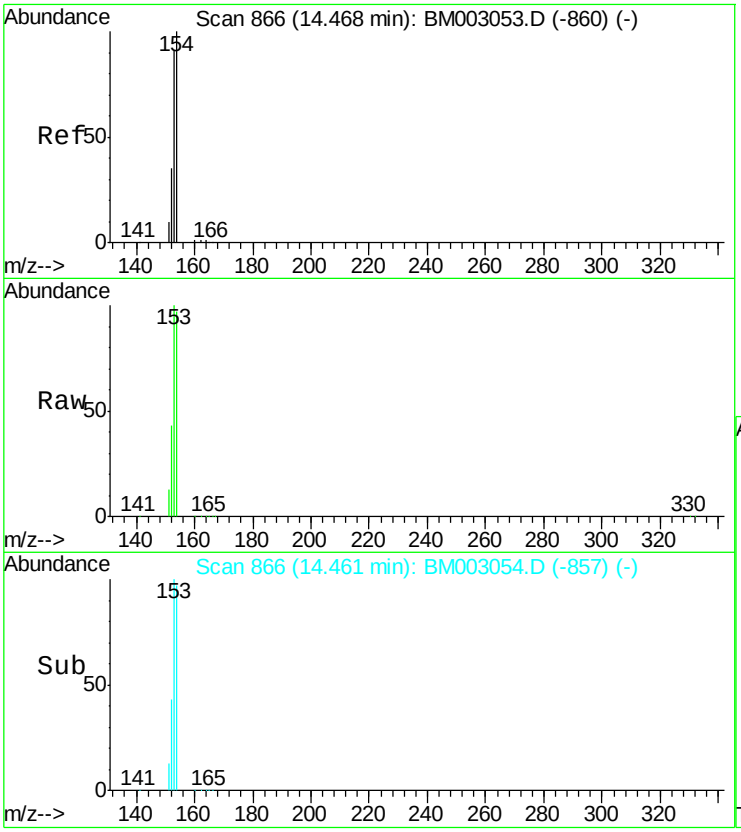


#16
Acenaphthylene
Concen: 1.78 ng
RT: 14.11 min Scan# 850
Delta R.T. -0.01 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:152 Resp: 150157

Ion	Ratio	Lower	Upper
152	100		
151	19.6	0.0	0.0#
153	12.7	0.0	0.0#

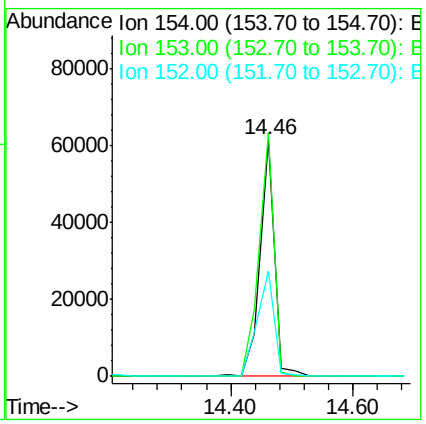




#17
Acenaphthene
Concen: 1.77 ng
RT: 14.46 min Scan# 866
Delta R.T. -0.01 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:154 Resp: 102568

Ion	Ratio	Lower	Upper
154	100		
153	106.4	0.0	0.0#
152	50.7	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
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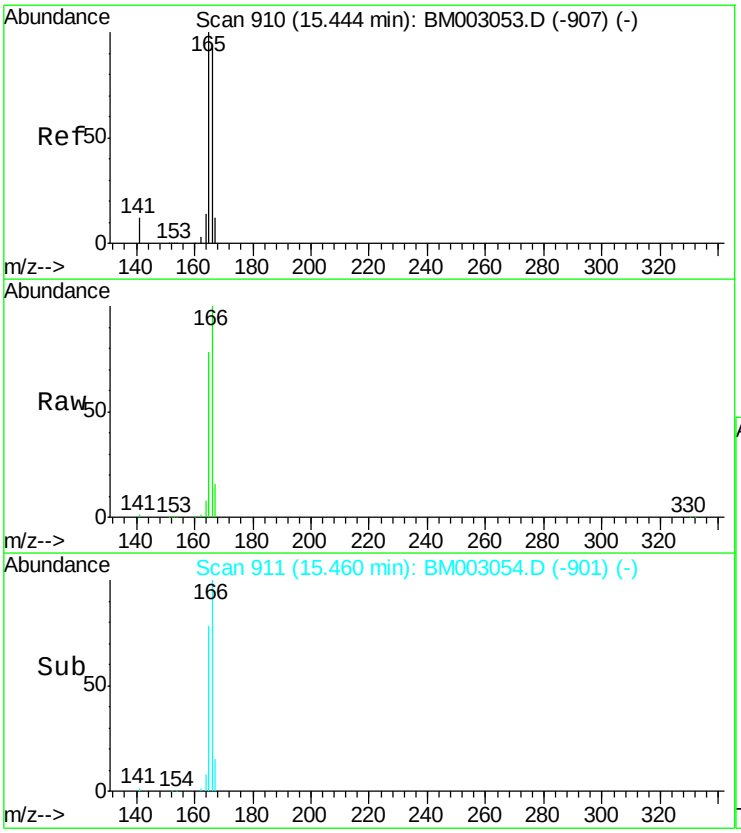
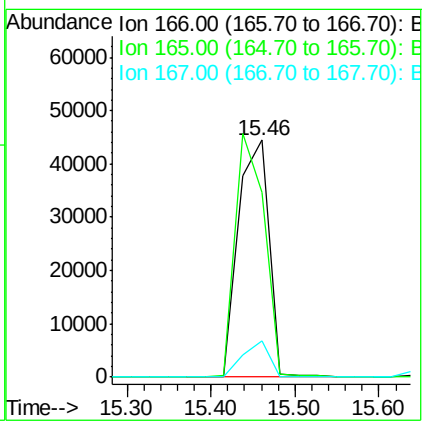
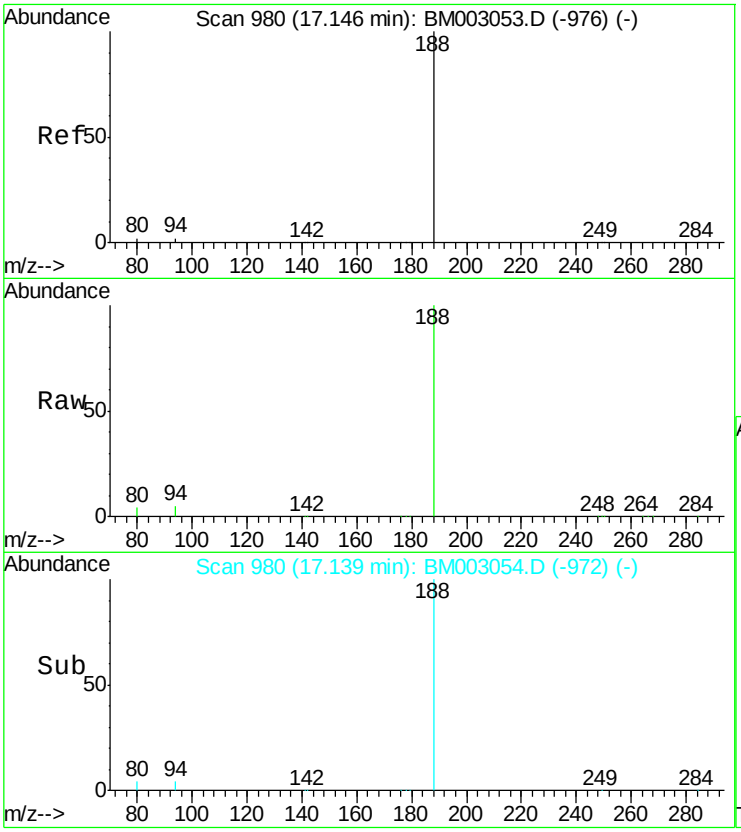


#18
Fluorene
Concen: 1.61 ng
RT: 15.46 min Scan# 911
Delta R.T. 0.02 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:166 Resp: 110766

Ion	Ratio	Lower	Upper
166	100		
165	0.0	0.0	0.0
167	13.5	0.0	0.0#

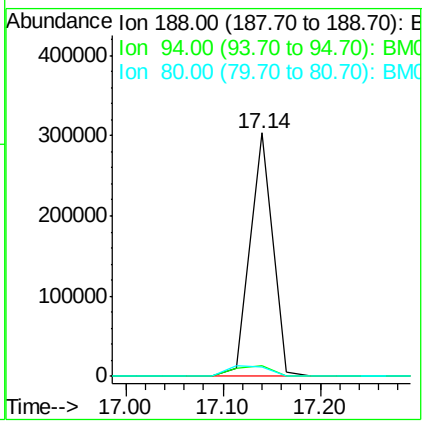




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 980
Delta R.T. -0.01 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:188 Resp: 489893

Ion	Ratio	Lower	Upper
188	100		
94	4.5	1.8	2.6#
80	3.7	1.4	2.0#



Instrument :
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ClientSampleId :
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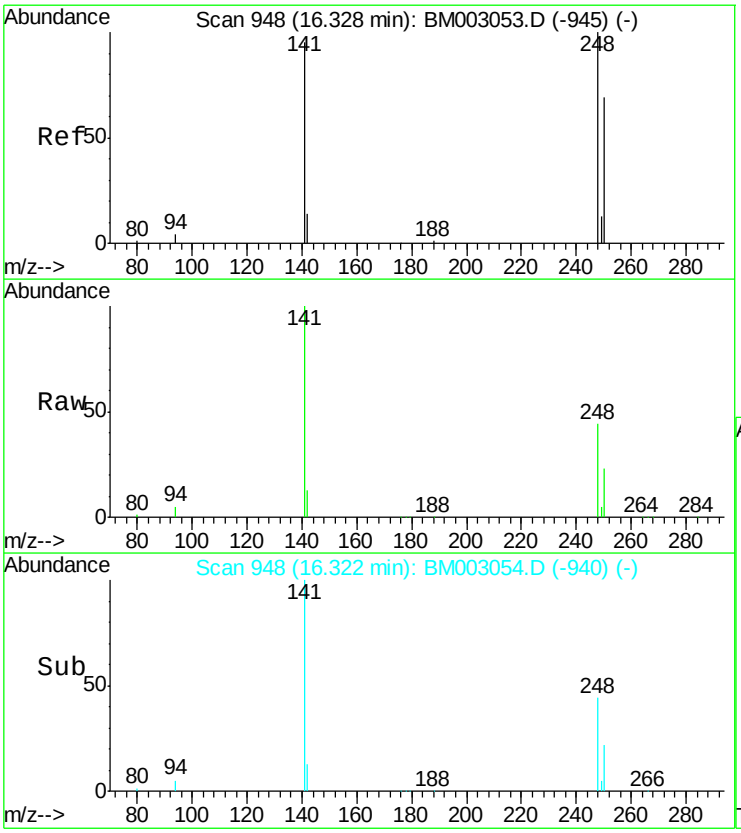
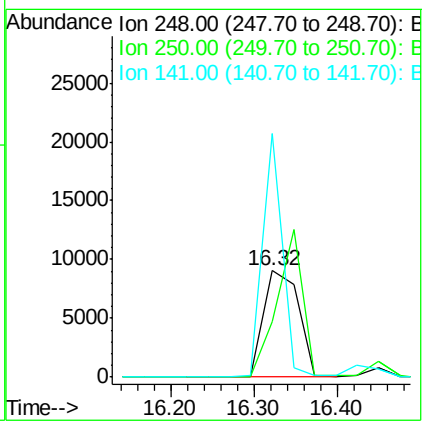
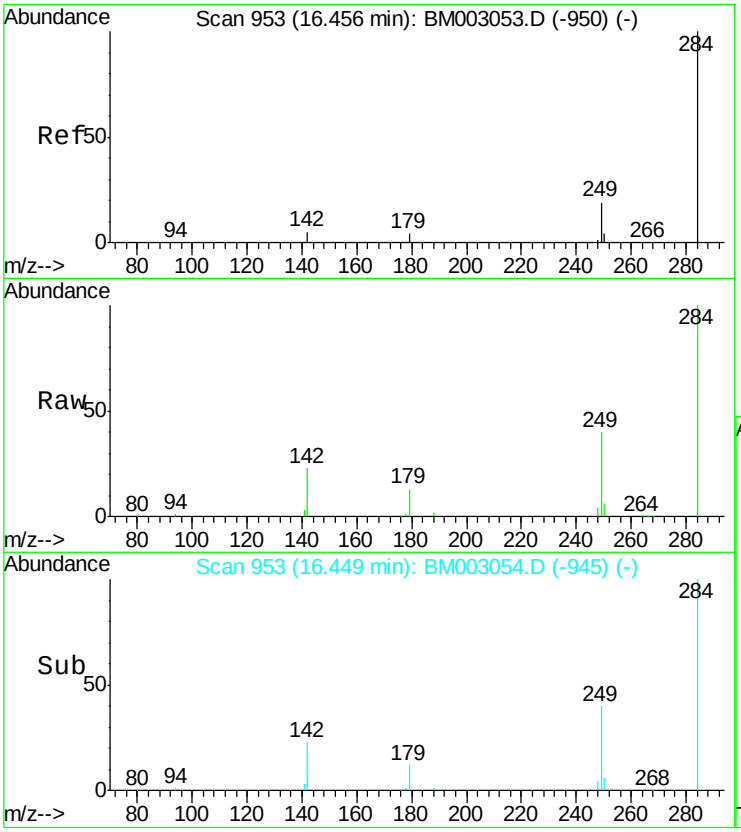


#20
4-Bromophenyl-phenylether
Concen: 1.25 ng
RT: 16.32 min Scan# 948
Delta R.T. -0.01 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:248 Resp: 25942

Ion	Ratio	Lower	Upper
248	100		
250	0.0	0.0	0.0
141	127.4	0.0	0.0#

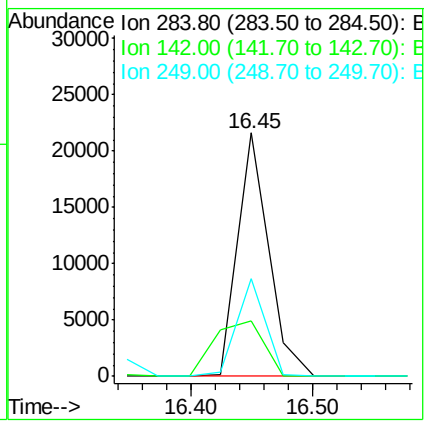




#21
Hexachlorobenzene
Concen: 1.53 ng m
RT: 16.45 min Scan# 953
Delta R.T. -0.01 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:284 Resp: 38142

Ion	Ratio	Lower	Upper
284	100		
142	36.1	0.0	0.0#
249	36.4	0.0	0.0#



Instrument :
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ClientSampleId :
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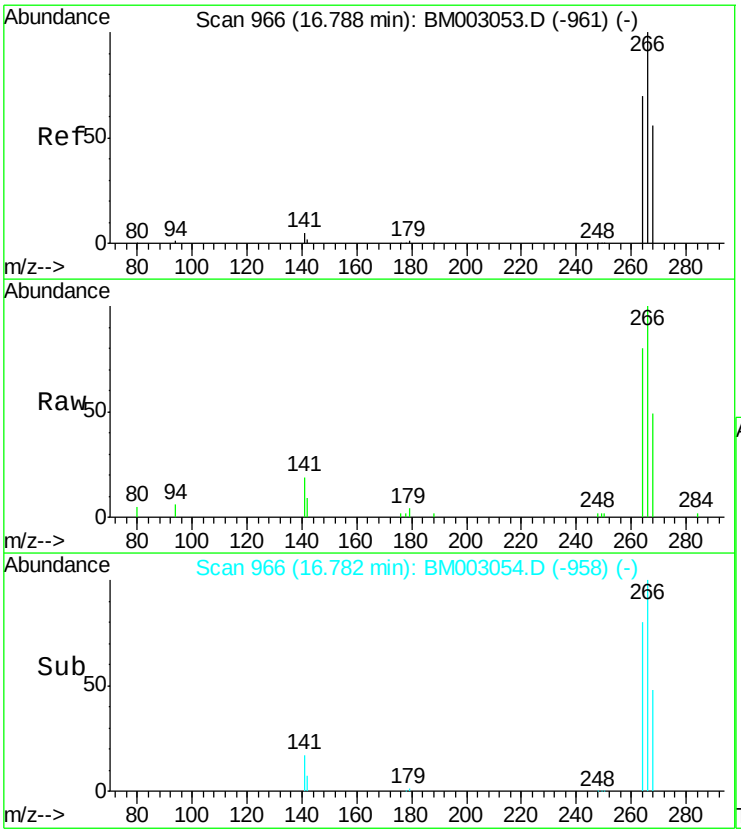
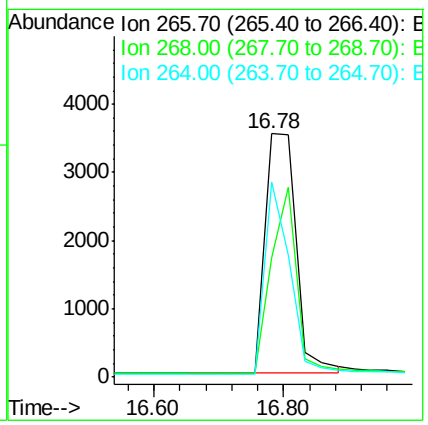
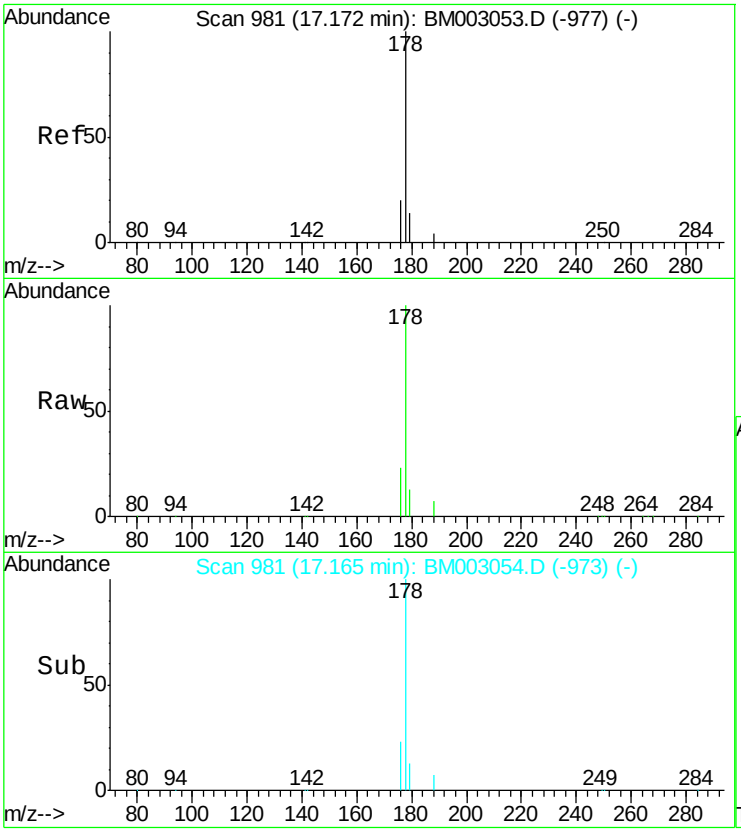


#22
Pentachlorophenol
Concen: 3.81 ng
RT: 16.78 min Scan# 966
Delta R.T. -0.01 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:266 Resp: 11584

Ion	Ratio	Lower	Upper
266	100		
268	48.9	45.8	68.8
264	80.2	56.7	85.1

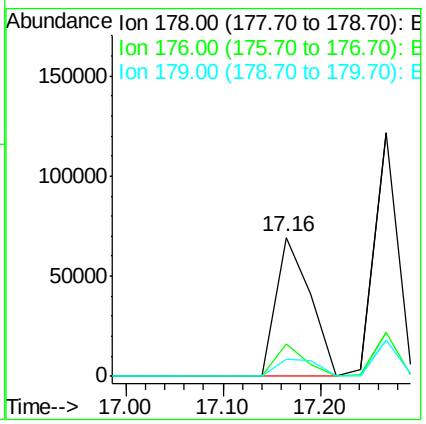




#23
Phenanthrene
Concen: 1.45 ng
RT: 17.16 min Scan# 981
Delta R.T. -0.01 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:178 Resp: 170804

Ion	Ratio	Lower	Upper
178	100		
176	19.9	0.0	0.0#
179	15.2	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
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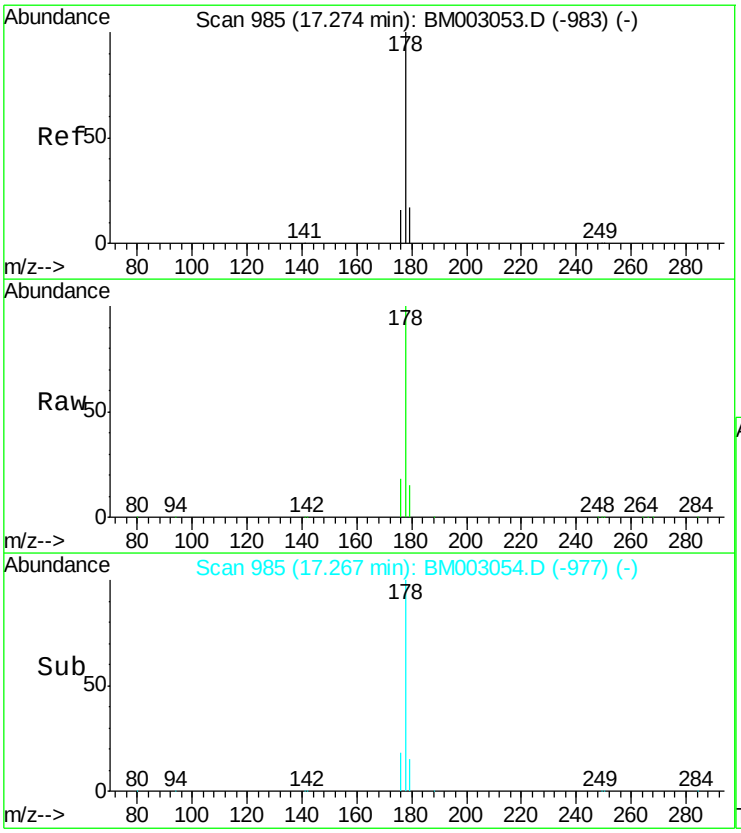
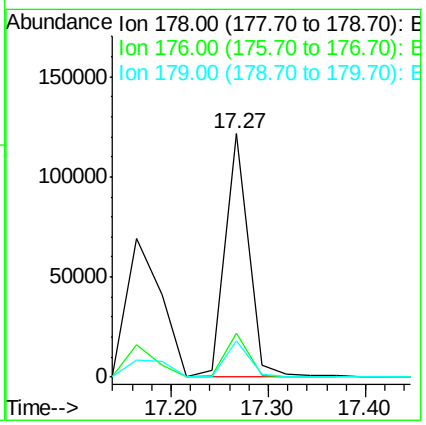
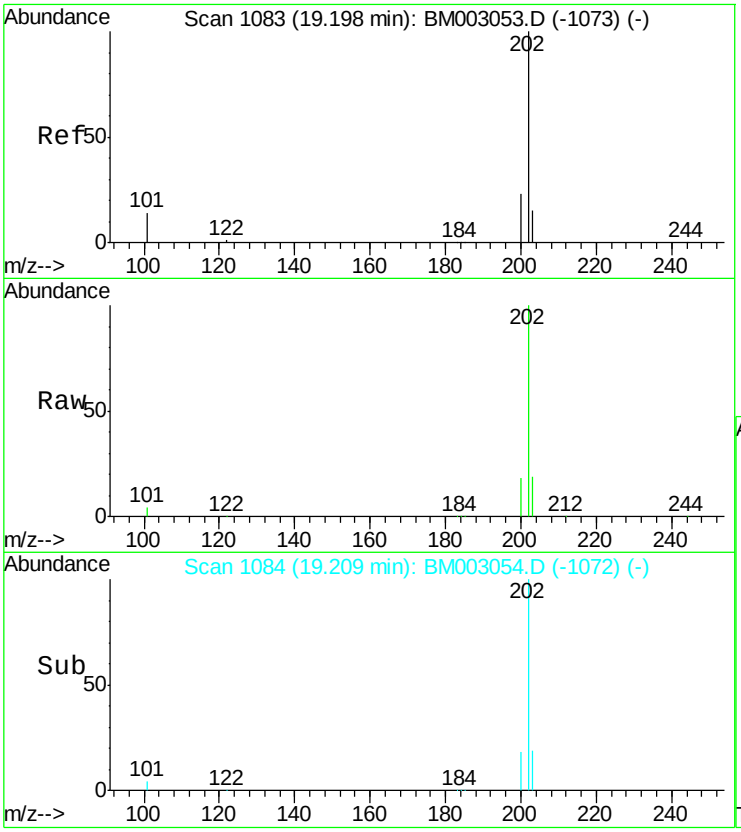


#24
Anthracene
Concen: 1.86 ng
RT: 17.27 min Scan# 985
Delta R.T. -0.01 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:178 Resp: 201643

Ion	Ratio	Lower	Upper
178	100		
176	18.1	0.0	0.0#
179	15.0	0.0	0.0#

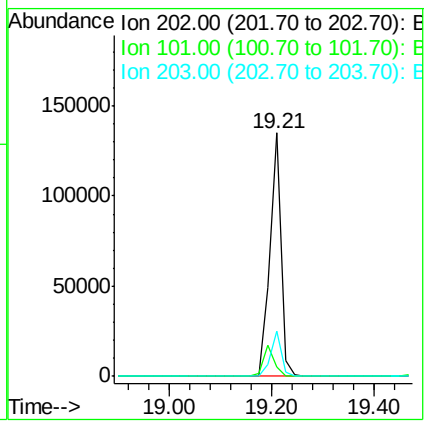




#25
Fluoranthene
Concen: 1.60 ng
RT: 19.21 min Scan# 1084
Delta R.T. 0.01 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:202 Resp: 201706

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



Instrument :
BNA_M
ClientSampleId :
SSTDICC002

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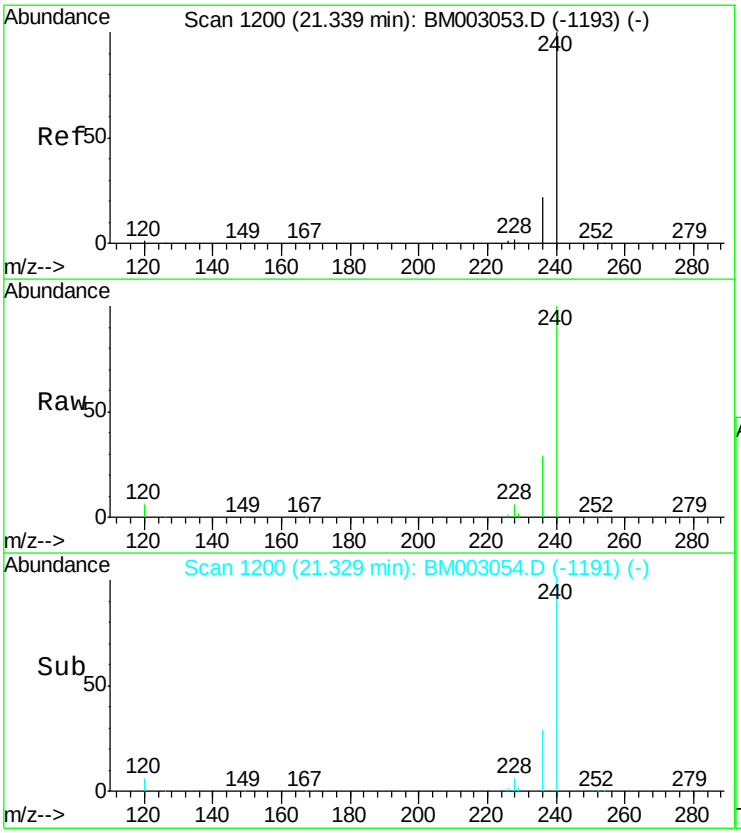
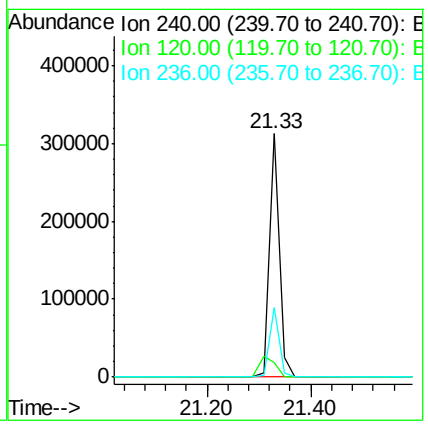
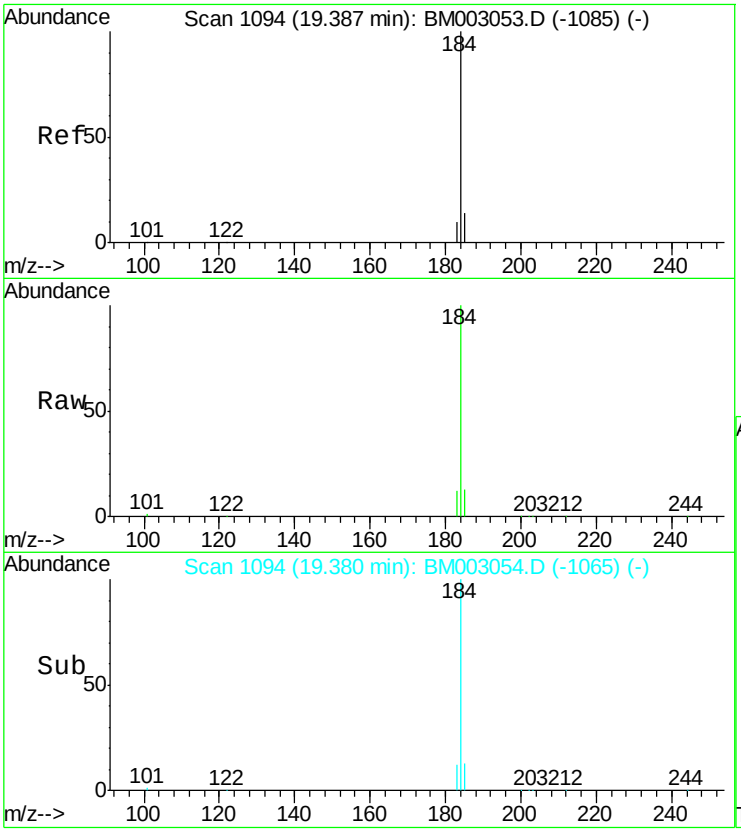


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.33 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:240 Resp: 426175

Ion	Ratio	Lower	Upper
240	100		
120	6.1	1.0	1.4#
236	28.7	17.9	26.9#

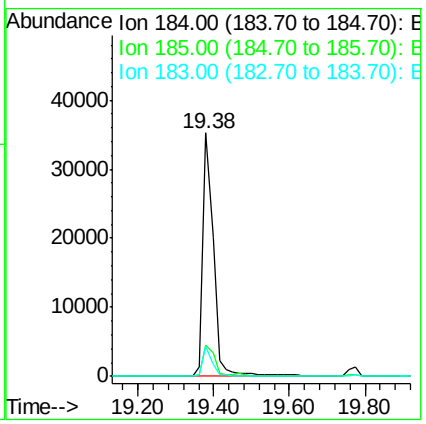




#27
Benzidine
Concen: 1.32 ng
RT: 19.38 min Scan# 1094
Delta R.T. -0.01 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:184 Resp: 64845

Ion	Ratio	Lower	Upper
184	100		
185	12.8	11.6	17.4
183	12.3	8.6	13.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC002

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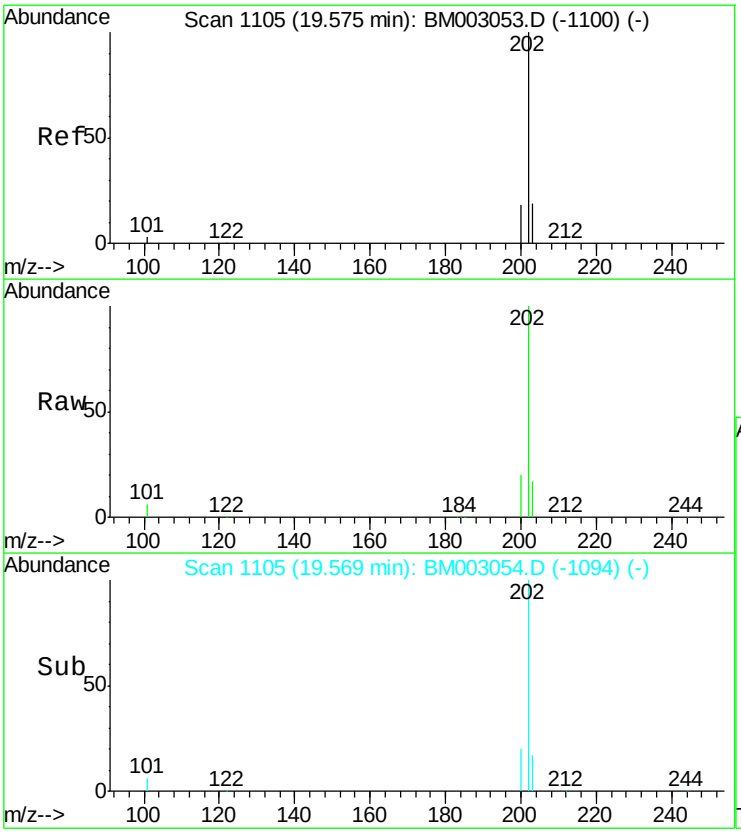
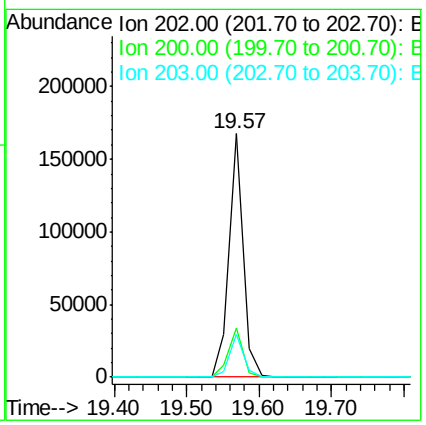
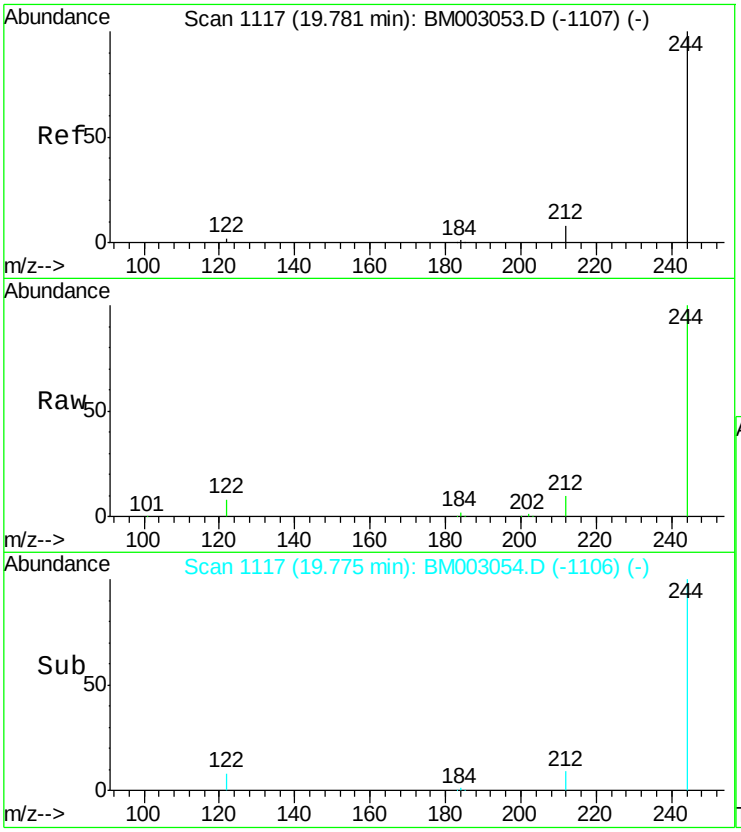


#28
Pyrene
Concen: 1.79 ng
RT: 19.57 min Scan# 1105
Delta R.T. -0.01 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:202 Resp: 224455

Ion	Ratio	Lower	Upper
202	100		
200	20.7	0.0	0.0#
203	17.3	0.0	0.0#





#29
Terphenyl-d14
Concen: 1.73 ng
RT: 19.77 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:244 Resp: 110480

Ion	Ratio	Lower	Upper
244	100		
212	9.6	6.5	9.7
122	8.5	2.0	3.0#

Instrument :
BNA_M
ClientSampleId :
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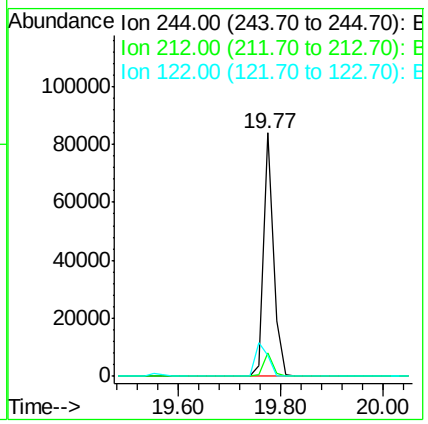
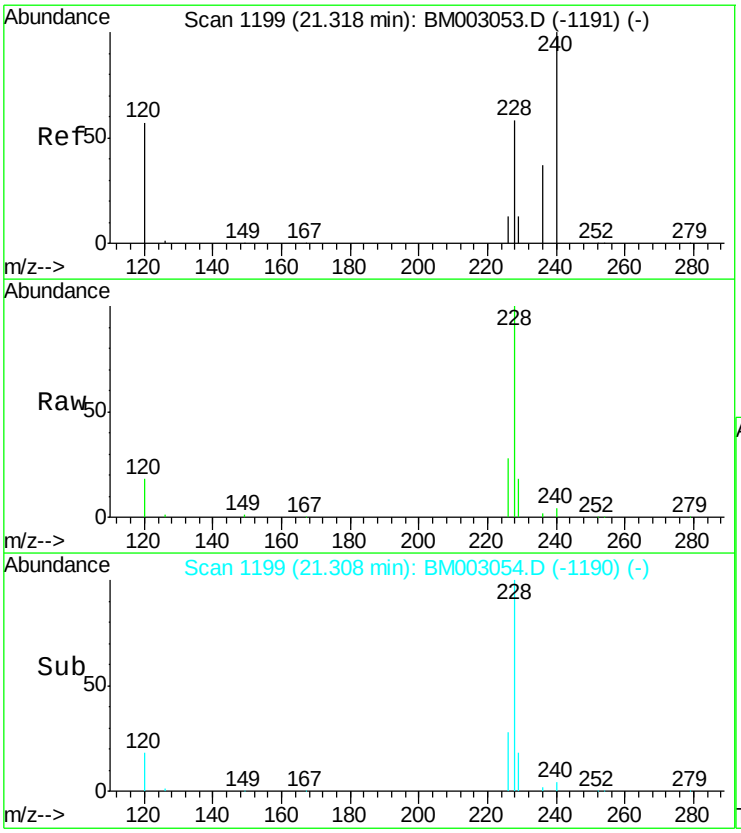
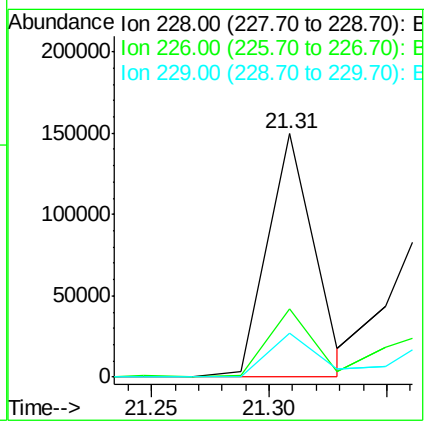


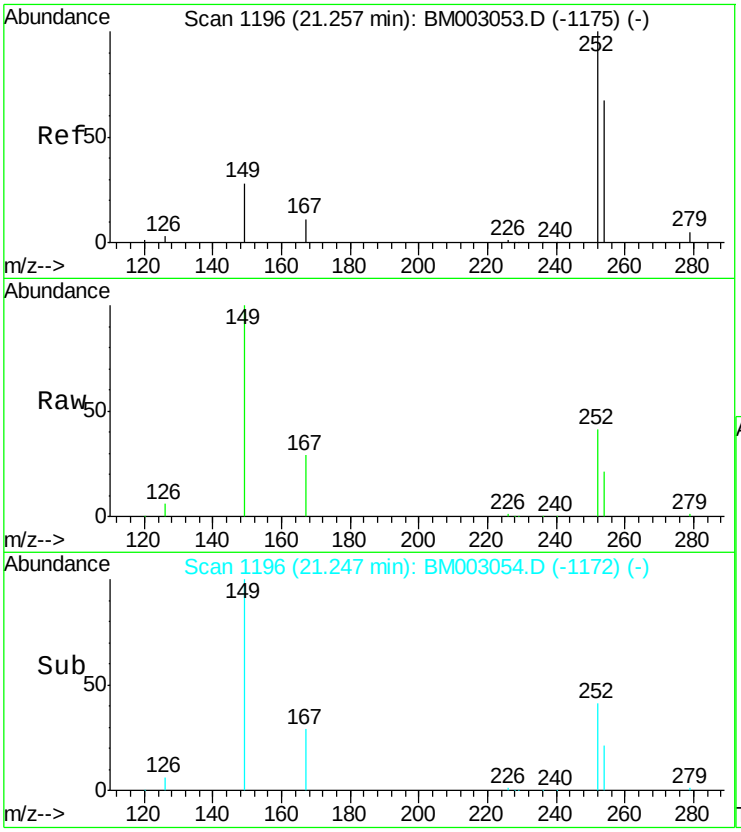


#30
Benzo(a)anthracene
Concen: 1.74 ng m
RT: 21.31 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:228 Resp: 209387

Ion	Ratio	Lower	Upper
228	100		
226	28.1	17.8	26.6#
229	17.9	18.0	27.0#

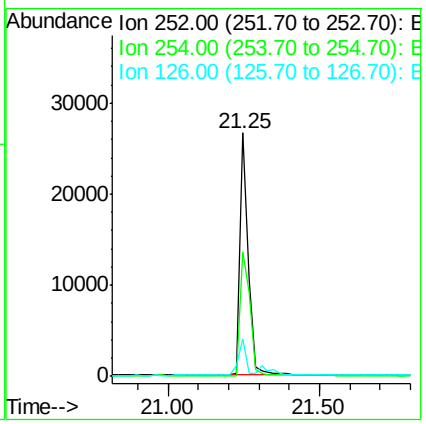




#31
3,3'-Dichlorobenzidine
Concen: 1.21 ng
RT: 21.25 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:252 Resp: 49071

Ion	Ratio	Lower	Upper
252	100		
254	51.3	53.7	80.5#
126	15.5	2.8	4.2#



Instrument :
BNA_M
ClientSampleId :
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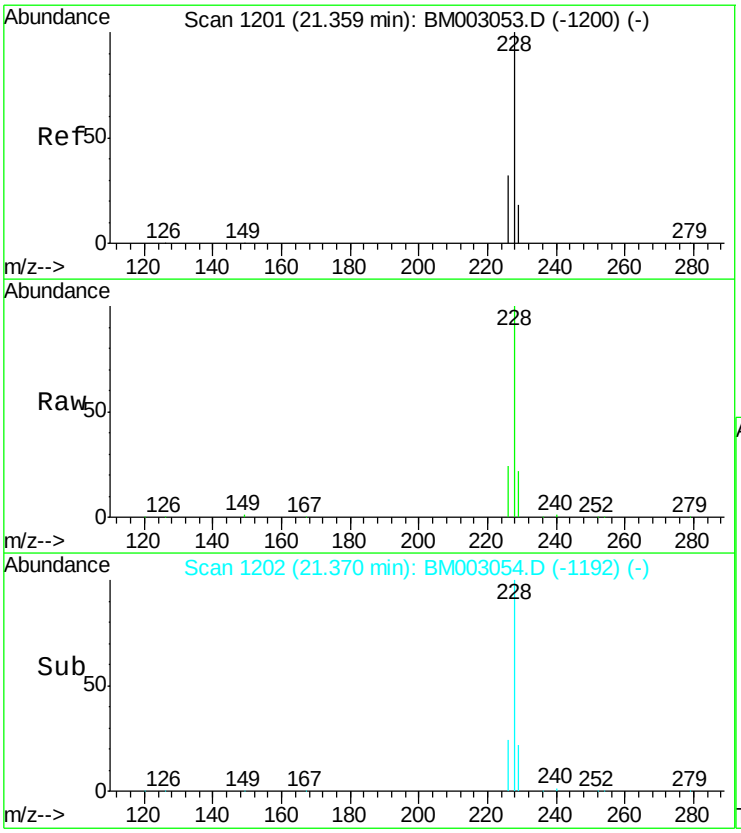
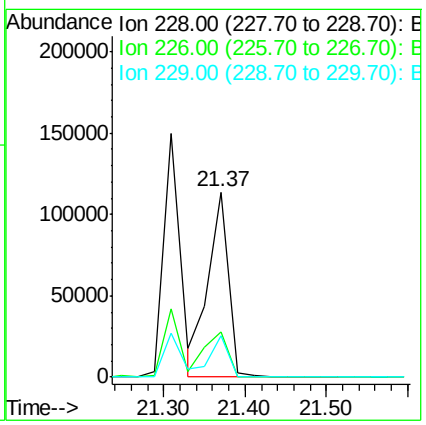
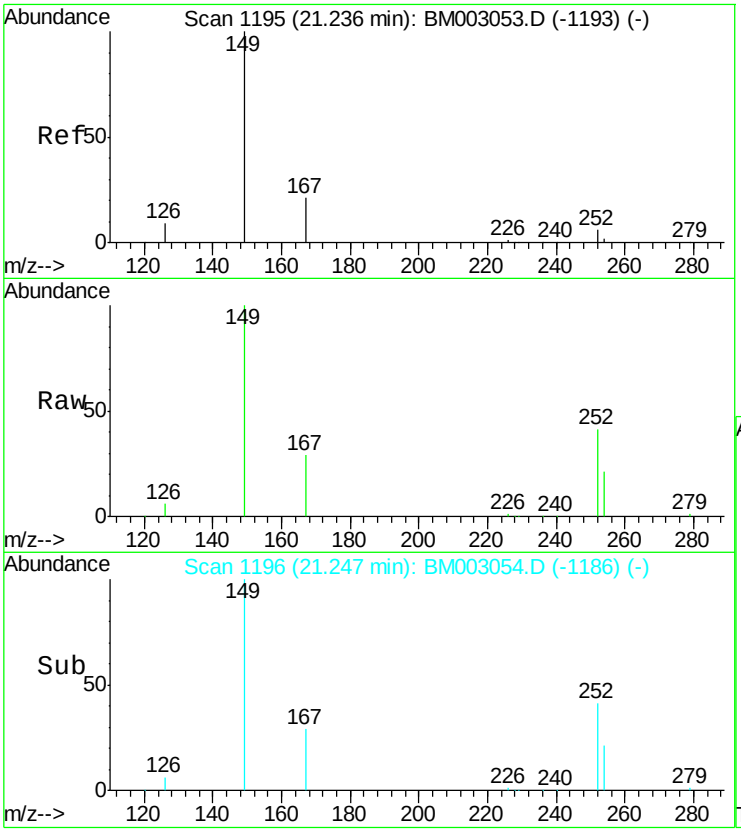


#32
Chrysene
Concen: 1.69 ng m
RT: 21.37 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:228 Resp: 199798

Ion	Ratio	Lower	Upper
228	100		
226	24.5	25.5	38.3#
229	22.3	14.3	21.5#





#33
Bis(2-ethylhexyl)phthalate
Concen: 1.30 ng
RT: 21.25 min Scan# 1196
Delta R.T. 0.01 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:149 Resp: 88020

Ion	Ratio	Lower	Upper
149	100		
167	28.4	0.0	0.0#
279	0.0	0.0	0.0

Instrument :
BNA_M
ClientSampleId :
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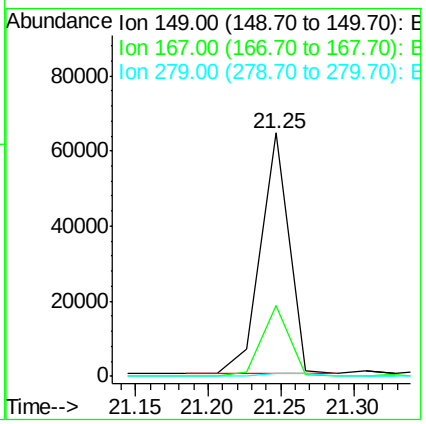
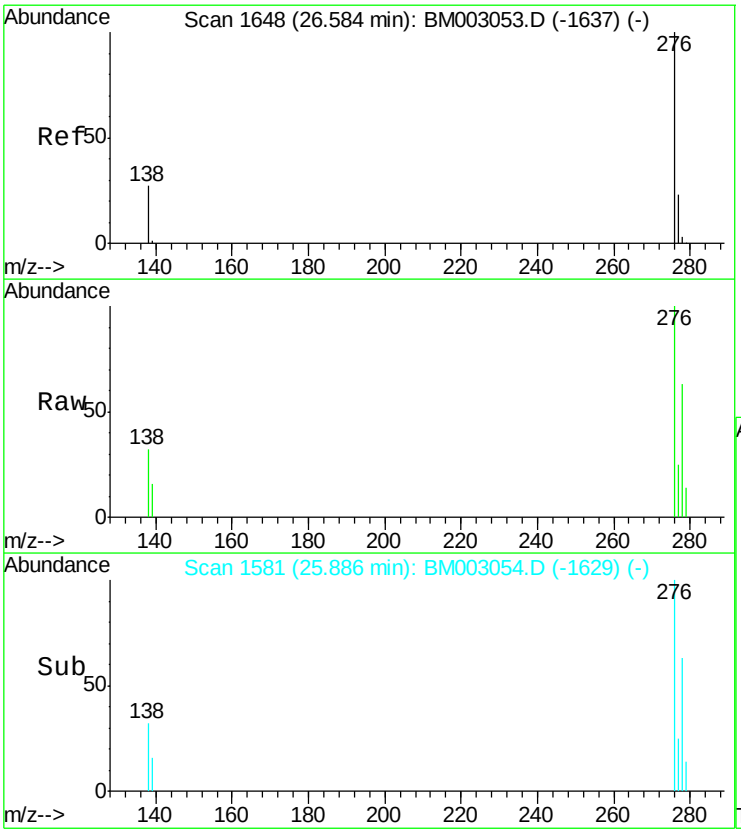
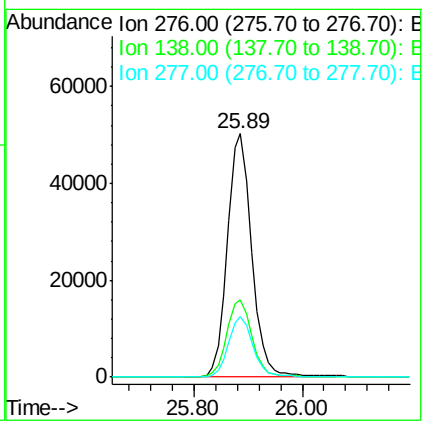


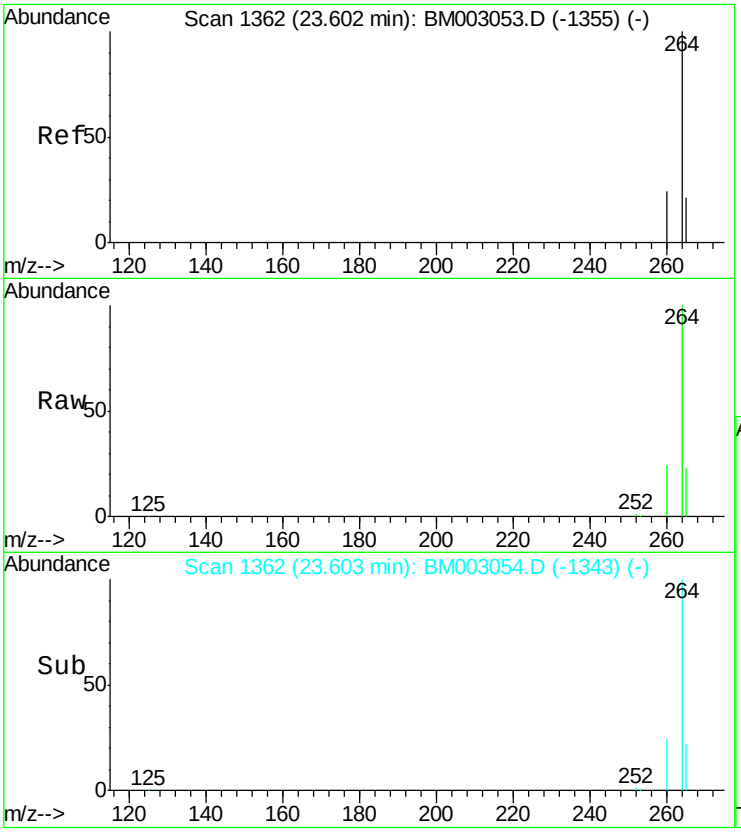


#34
Indeno(1,2,3-cd)pyrene
Concen: 1.33 ng m
RT: 25.89 min Scan# 1581
Delta R.T. -0.70 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:276 Resp: 156516

Ion	Ratio	Lower	Upper
276	100		
138	23.1	0.0	0.0#
277	19.3	0.0	0.0#

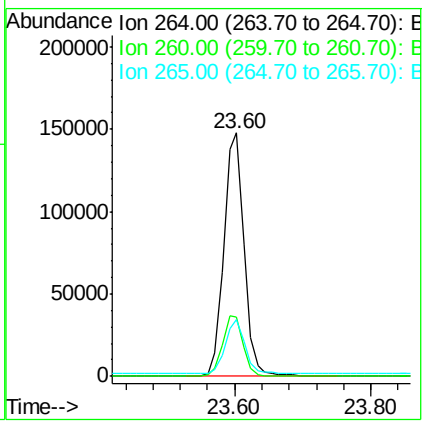




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.60 min Scan# 1362
Delta R.T. 0.00 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:264 Resp: 302295

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	23.1	18.4	27.6



Instrument :
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ClientSampleId :
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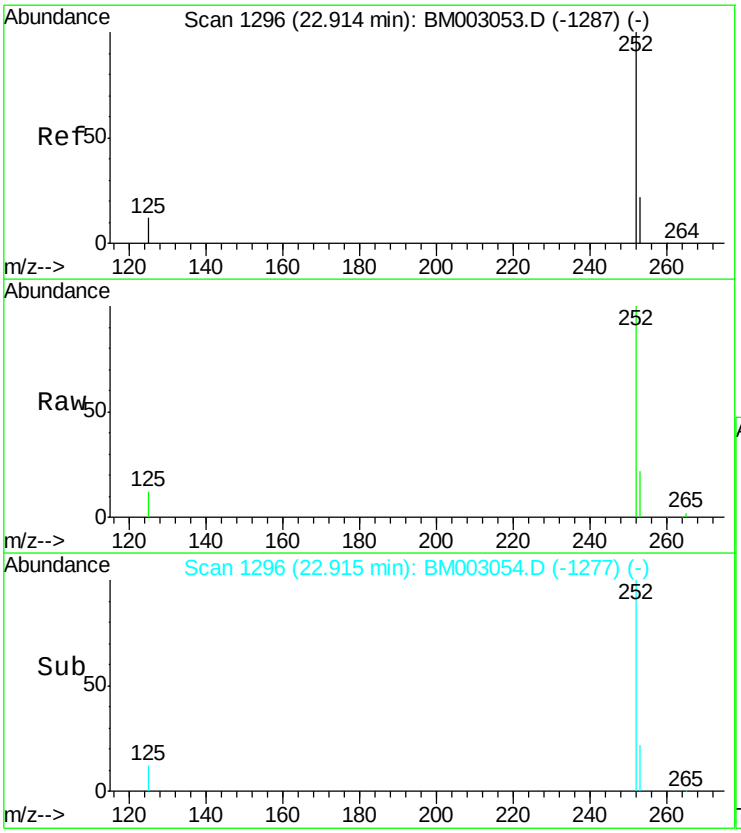
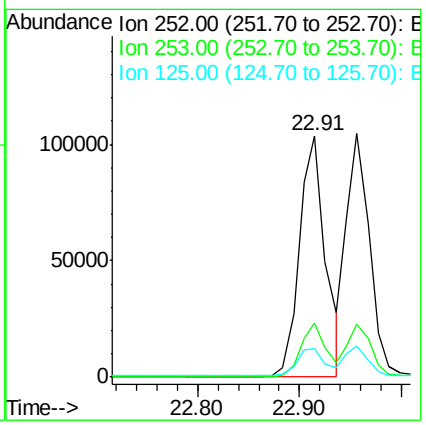
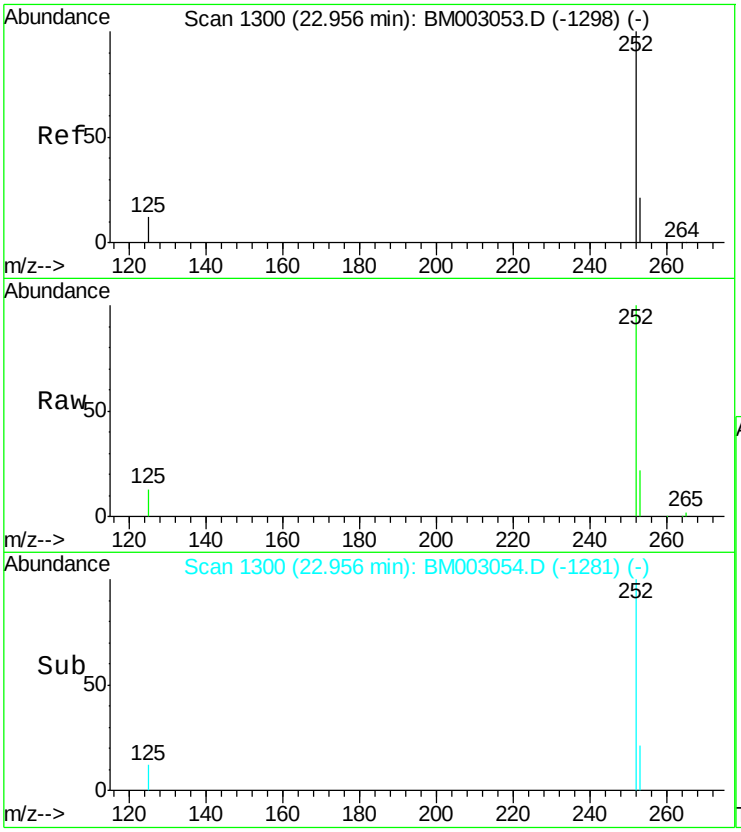


#36
Benzo(b)fluoranthene
Concen: 2.11 ng
RT: 22.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:252 Resp: 183928

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	12.1	10.3	15.5

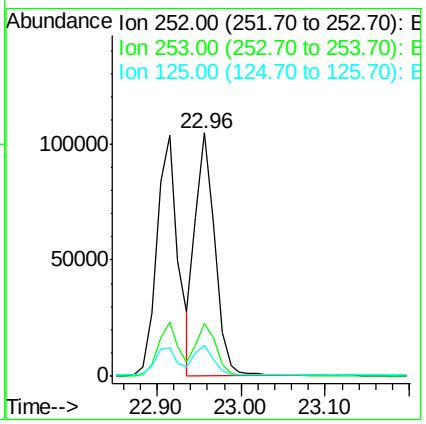




#37
Benzo(k)fluoranthene
Concen: 1.95 ng
RT: 22.96 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

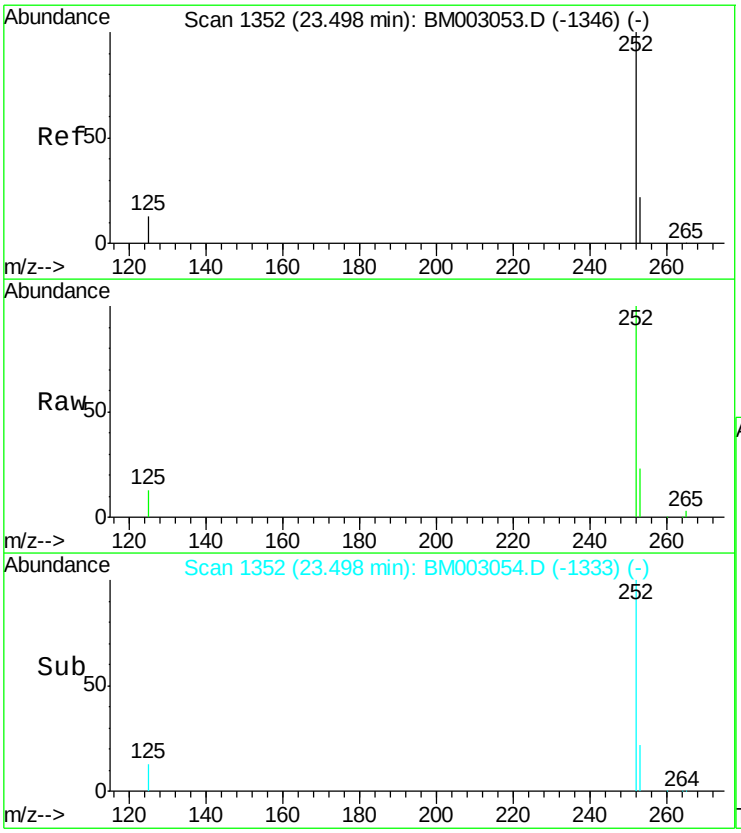
Tgt Ion:252 Resp: 165795

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	12.6	10.7	16.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC002

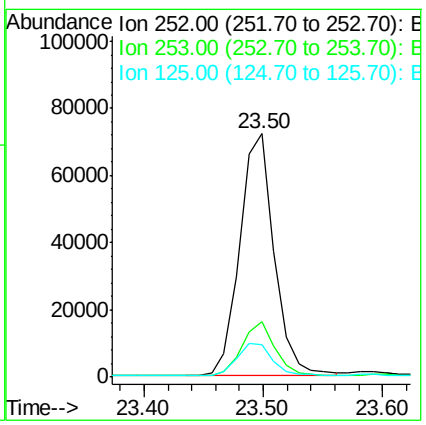
Manual Integrations APPROVED
Mmdadoda
11/5/2015 2:18:54 PM

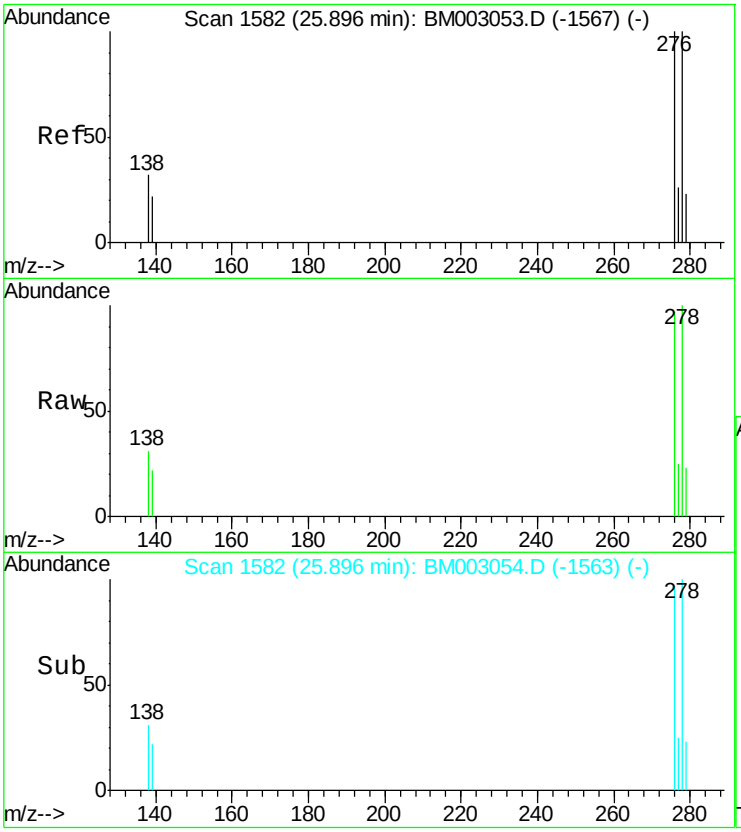


#38
Benzo(a)pyrene
Concen: 1.89 ng
RT: 23.50 min Scan# 1352
Delta R.T. 0.00 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:252 Resp: 144554

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.7	28.1
125	13.3	11.6	17.4

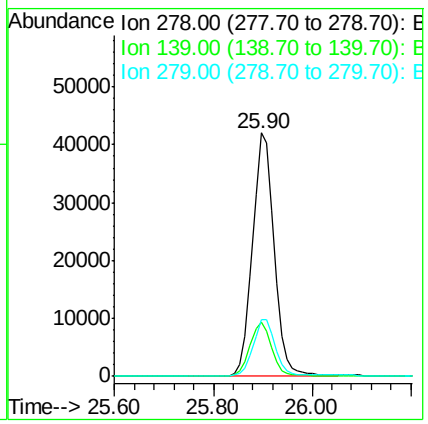




#39
Dibenzo(a,h)anthracene
Concen: 1.69 ng
RT: 25.90 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

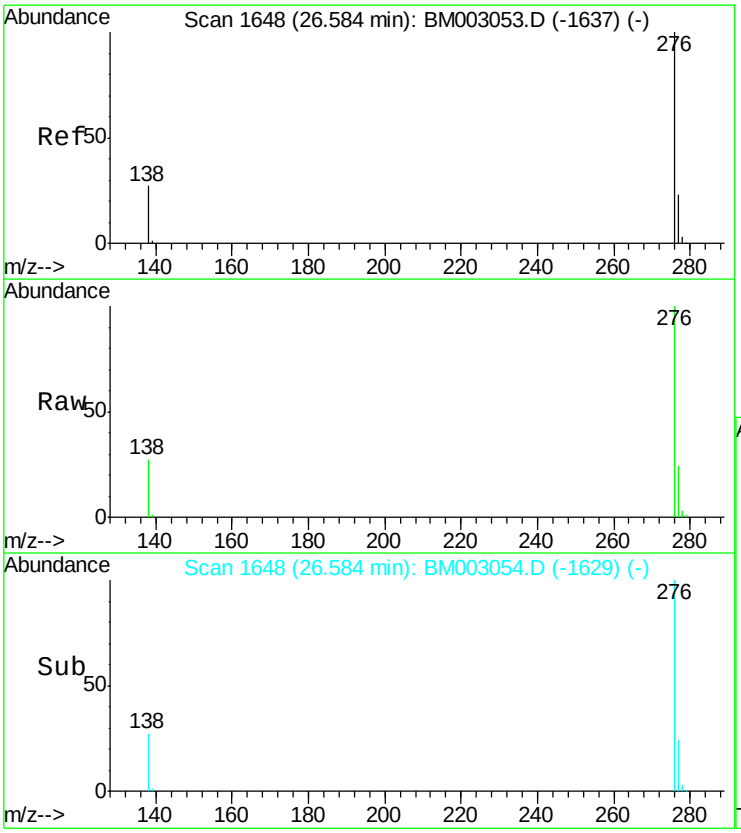
Tgt Ion:278 Resp: 125015

Ion	Ratio	Lower	Upper
278	100		
139	22.4	18.2	27.4
279	23.3	18.8	28.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC002

Manual Integrations APPROVED
Mmdadoda
11/5/2015 2:18:54 PM



#40
Benzo(g,h,i)perylene
Concen: 1.67 ng
RT: 26.58 min Scan# 1648
Delta R.T. 0.00 min
Lab File: BM003054.D
Acq: 04 Nov 2015 21:38

Tgt Ion:276 Resp: 129247

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	27.4	22.3	33.5