Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110415\
Data File : BM003050.D
Acq On : 04 Nov 2015 19:13
Operator : UM/IZ
Sample : SSTDICC0.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SSTDICC0.2

Manual Integrations APPROVED
Mmdadoda
11/5/2015 2:18:41 PM

Quant Time: Nov 16 18:45:30 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	81315	5.00	ng		0.02
7) Naphthalene-d8	10.54	136	307942	5.00	ng		0.00
13) Acenaphthene-d10	14.40	164	141071	5.00	ng		0.00
19) Phenanthrene-d10	17.15	188	250414	5.00	ng		0.00
26) Chrysene-d12	21.34	240	222277	5.00	ng		0.00
35) Perylene-d12	23.60	264	225857	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.35	112	3657	0.24	ng		0.00
5) Phenol-d6	6.92	99	4073	0.21	ng		0.00
8) Nitrobenzene-d5	8.92	82	2925	0.20	ng		0.00
14) 2,4,6-Tribromophenol	15.89	330	700	0.16	ng		0.00
15) 2-Fluorobiphenyl	13.02	172	9608	0.21	ng		0.00
29) Terphenyl-d14	19.78	244	7356	0.22	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.27	88	1932	0.25	ng	#	100
3) n-Nitrosodimethylamine	3.57	42	1584	0.25	ng	#	100
6) bis(2-Chloroethyl)ether	7.19	93	4047	0.22	ng	#	1
9) Nitrobenzene	8.96	77	3090	0.20	ng	#	100
10) Naphthalene	10.59	128	14439	0.21	ng		99
11) Hexachlorobutadiene	10.88	225	2274m	0.21	ng		
12) 2-Methylnaphthalene	12.21	142	8909	0.19	ng		99
16) Acenaphthylene	14.11	152	10865	0.18	ng	#	100
17) Acenaphthene	14.47	154	7953	0.19	ng	#	100
18) Fluorene	15.44	166	8501	0.17	ng	#	100
20) 4-Bromophenyl-phenylether	16.33	248	2290	0.22	ng	#	100
21) Hexachlorobenzene	16.46	284	3225	0.25	ng	#	100
22) Pentachlorophenol	16.79	266	916	0.59	ng		96
23) Phenanthrene	17.17	178	15527	0.26	ng	#	100
24) Anthracene	17.27	178	10866	0.20	ng	#	100
25) Fluoranthene	19.20	202	13772	0.21	ng	#	100
27) Benzidine	19.39	184	4395	0.17	ng		96
28) Pyrene	19.58	202	14393	0.22	ng	#	100
30) Benzo(a)anthracene	21.32	228	14929	0.24	ng		99
31) 3,3'-Dichlorobenzidine	21.26	252	4379	0.21	ng	#	96
32) Chrysene	21.36	228	18973m	0.31	ng		
33) Bis(2-ethylhexyl)phthalate	21.24	149	5246	0.15	ng	#	100
34) Indeno(1,2,3-cd)pyrene	25.89	276	15683m	0.26	ng		
36) Benzo(b)fluoranthene	22.91	252	18334	0.28	ng	#	94
37) Benzo(k)fluoranthene	22.96	252	16303	0.26	ng	#	93
38) Benzo(a)pyrene	23.50	252	12523	0.22	ng	#	88
39) Dibenzo(a,h)anthracene	25.90	278	12124	0.22	ng		96
40) Benzo(g,h,i)perylene	26.58	276	13689	0.24	ng		97

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

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Quant Time: Nov 16 18:45:30 2015
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Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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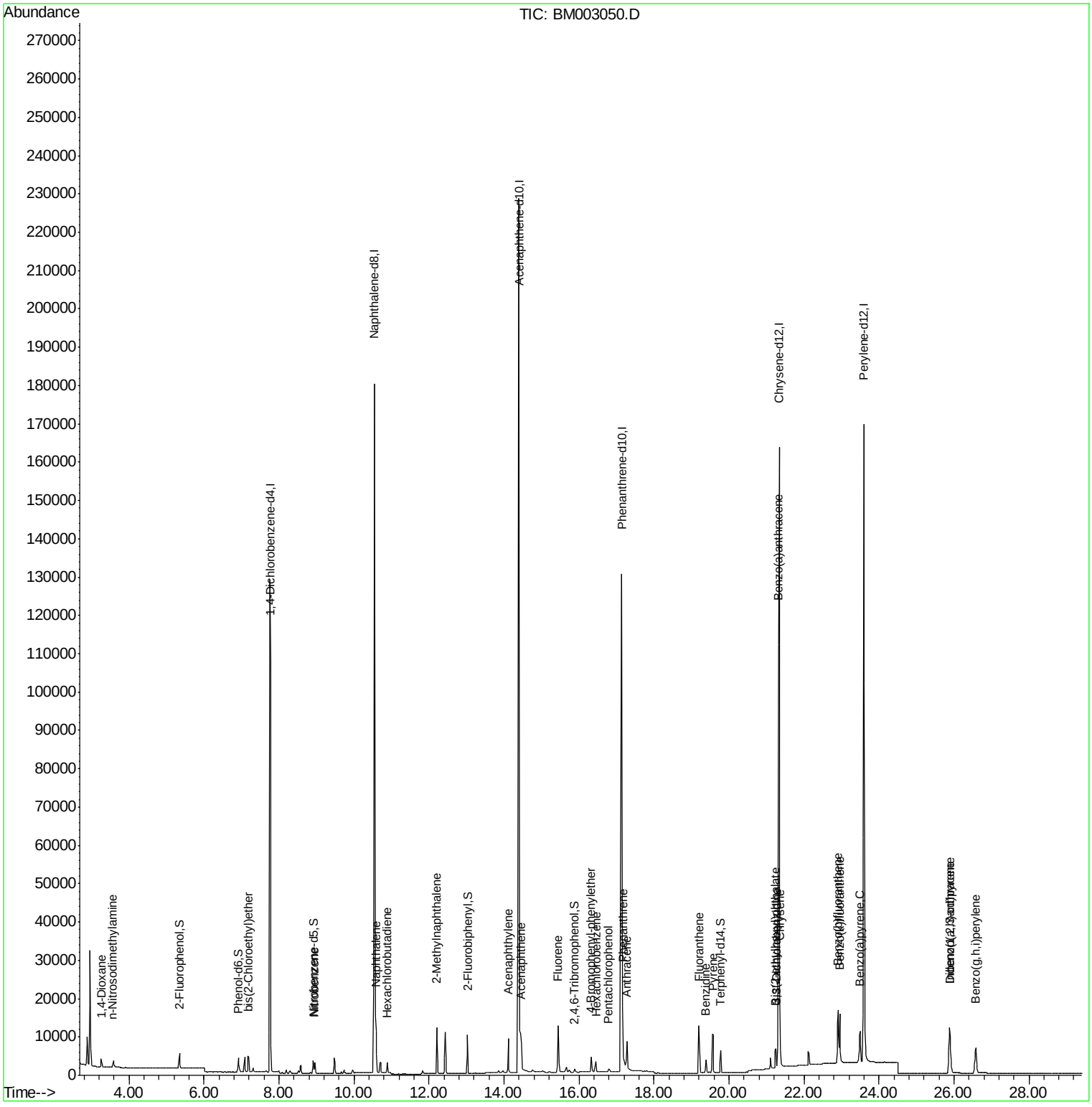

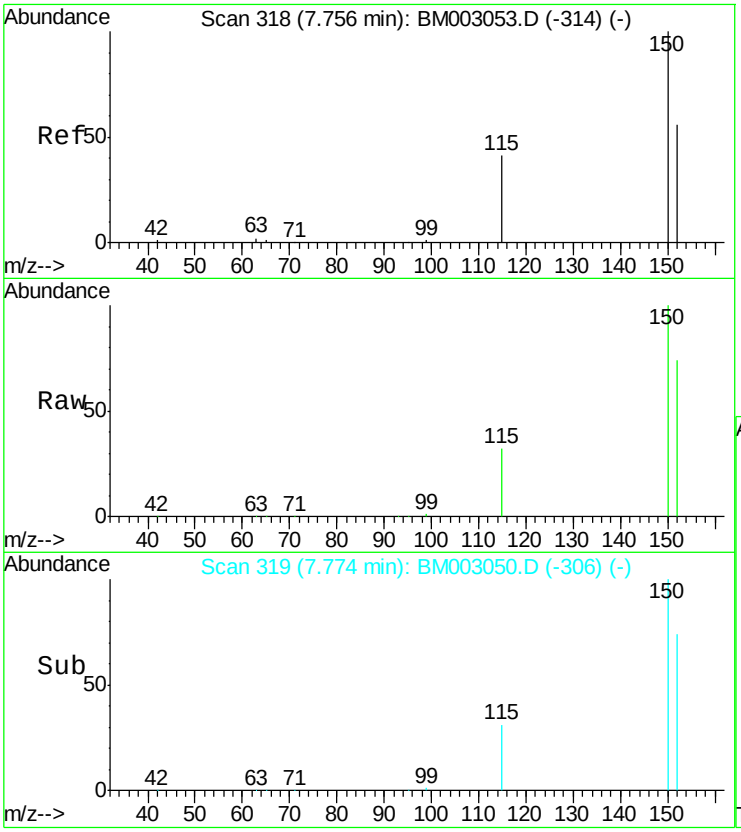

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.77 min Scan# 319
Delta R.T. 0.02 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:152 Resp: 81315

Ion	Ratio	Lower	Upper
152	100		
150	135.3	143.6	215.4#
115	42.7	58.5	87.7#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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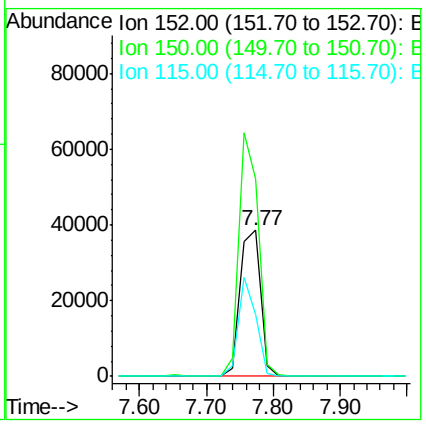
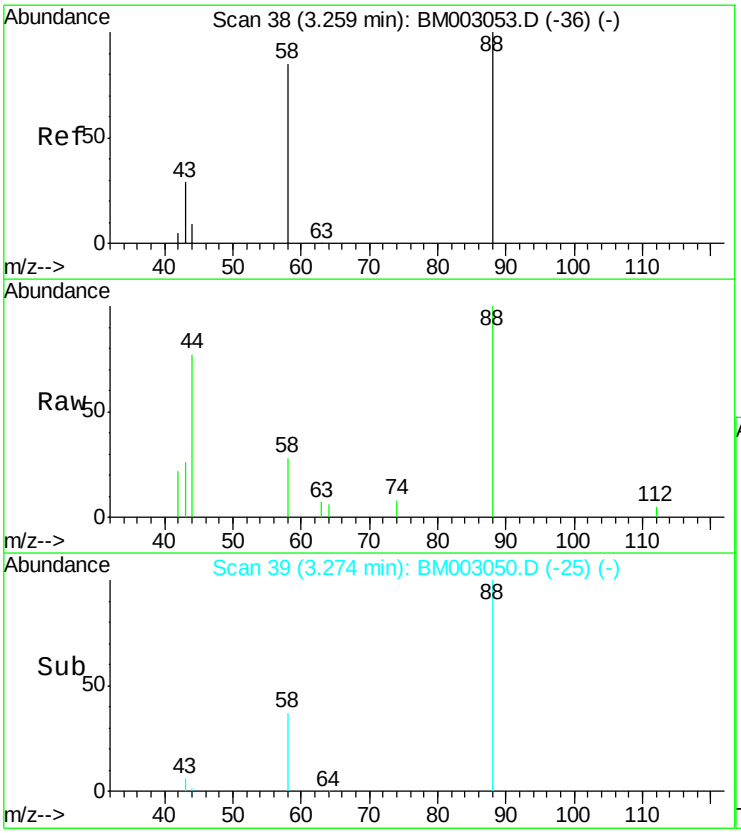
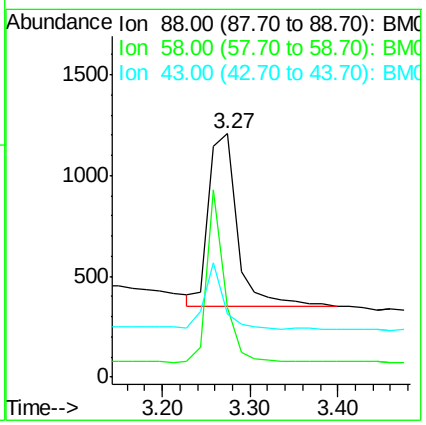


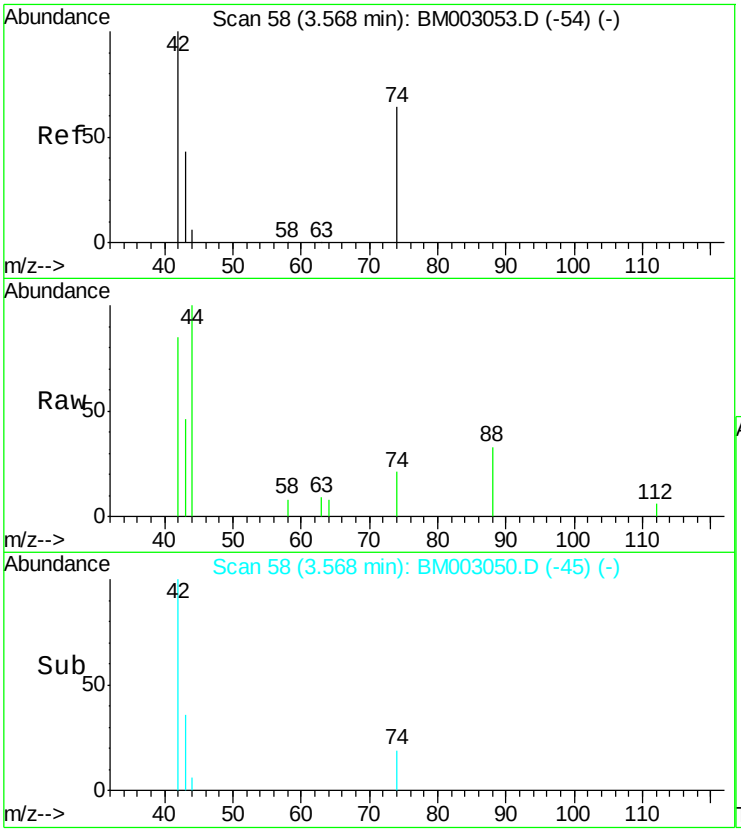


#2
1,4-Dioxane
Concen: 0.25 ng
RT: 3.27 min Scan# 39
Delta R.T. 0.02 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion: 88 Resp: 1932

Ion	Ratio	Lower	Upper
88	100		
58	62.0	0.0	0.0#
43	26.3	0.0	0.0#





#3
n-Nitrosodimethylamine
Concen: 0.25 ng
RT: 3.57 min Scan# 58
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion: 42 Resp: 1584

Ion	Ratio	Lower	Upper
42	100		
74	127.8	0.0	0.0#
44	21.5	0.0	0.0#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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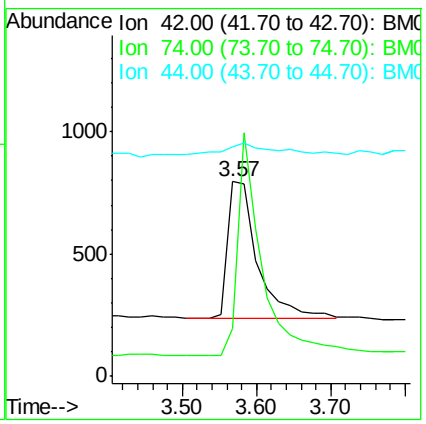
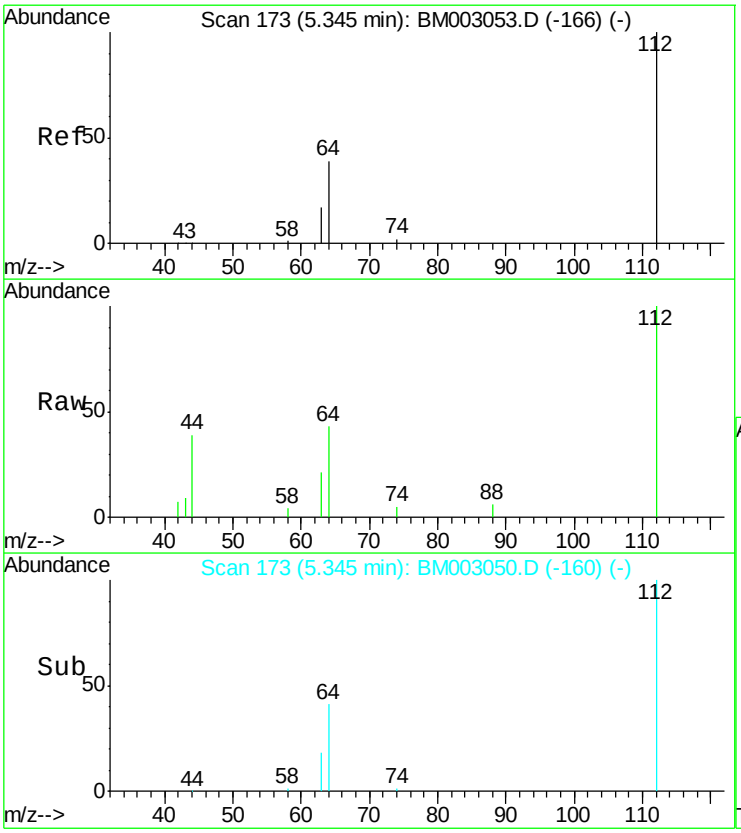
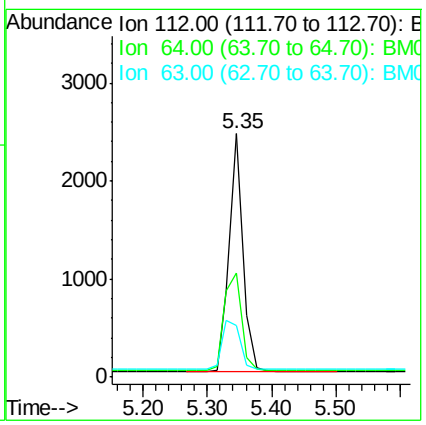


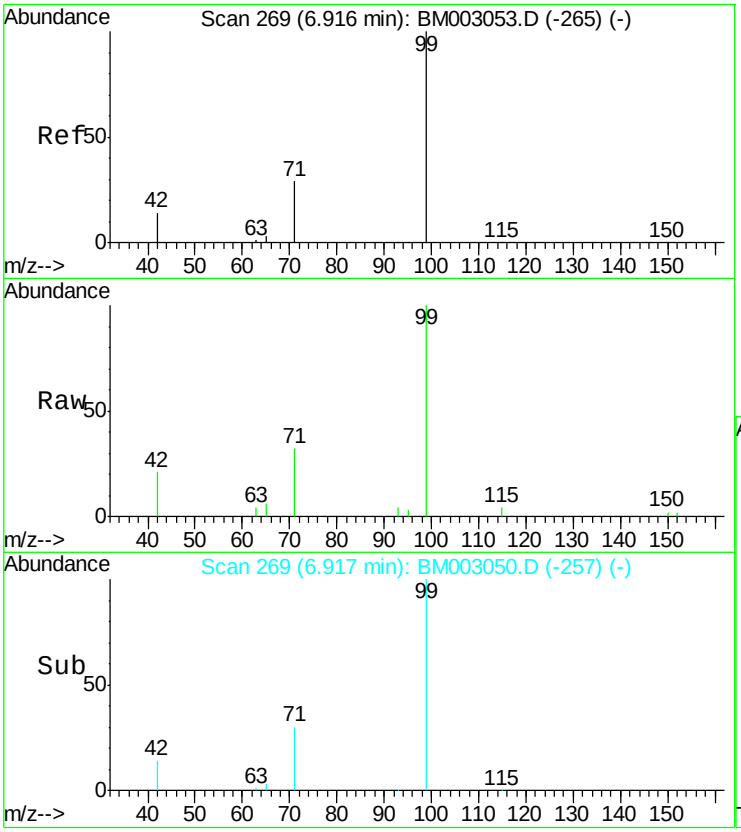


#4
2-Fluorophenol
Concen: 0.24 ng
RT: 5.35 min Scan# 173
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:112 Resp: 3657

Ion	Ratio	Lower	Upper
112	100		
64	51.4	0.0	0.0#
63	26.8	0.0	0.0#





#5
Phenol-d6
Concen: 0.21 ng
RT: 6.92 min Scan# 269
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion: 99 Resp: 4073

Ion	Ratio	Lower	Upper
99	100		
42	18.3	3.4	5.0#
71	29.3	1.0	1.4#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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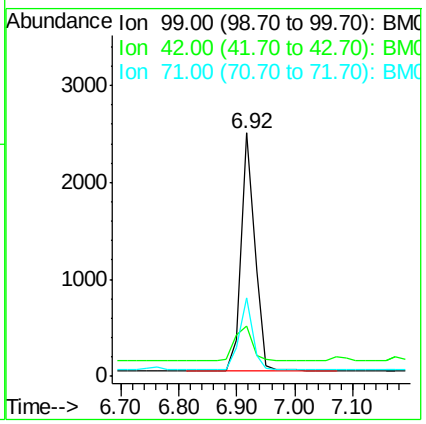
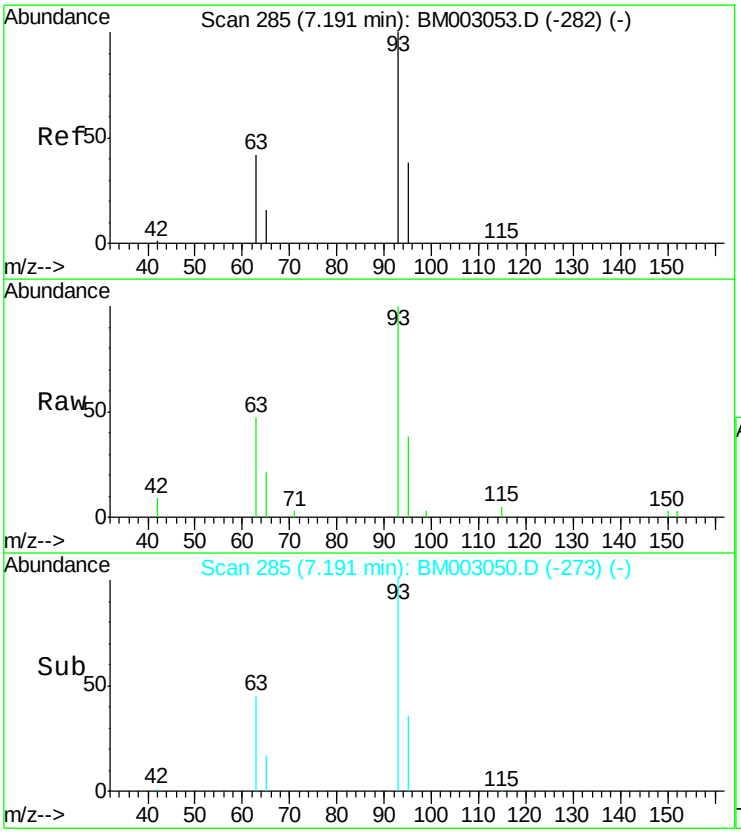
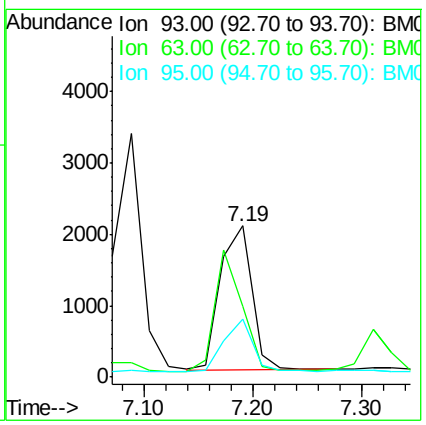


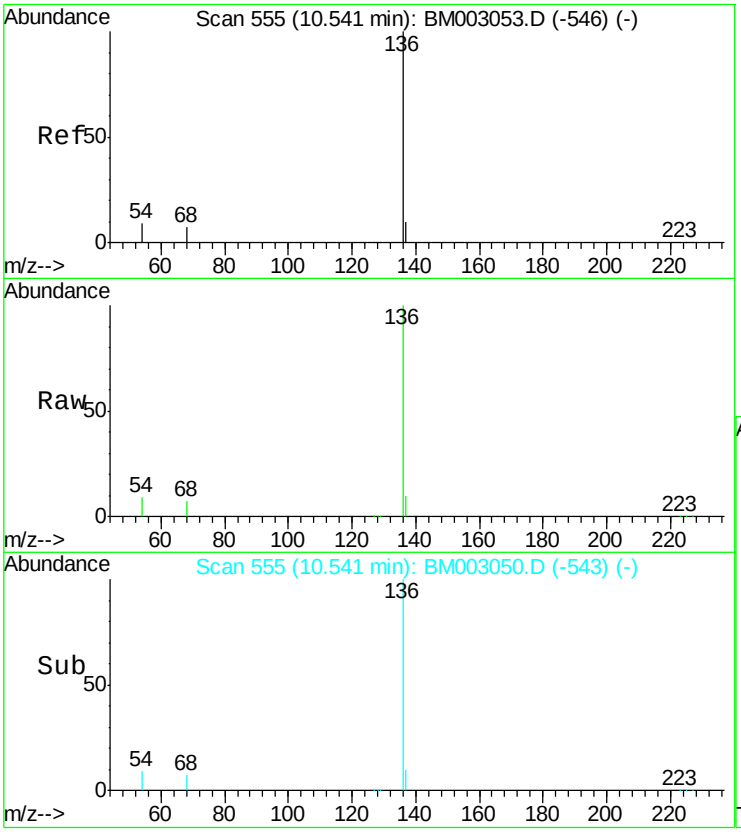


#6
bis(2-Chloroethyl)ether
Concen: 0.22 ng
RT: 7.19 min Scan# 285
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion: 93 Resp: 4047

Ion	Ratio	Lower	Upper
93	100		
63	73.2	5.2	7.8#
95	32.6	0.0	0.0#

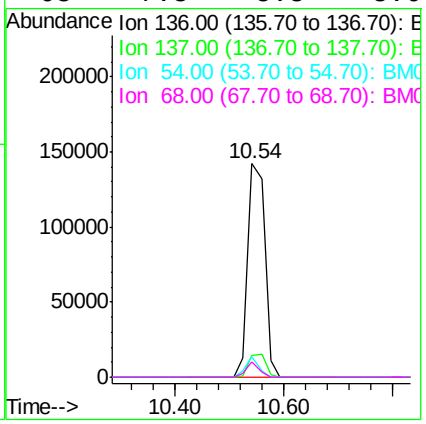




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.54 min Scan# 555
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:136 Resp: 307942

Ion	Ratio	Lower	Upper
136	100		
137	10.0	8.0	12.0
54	9.4	7.4	11.0
68	7.3	5.8	8.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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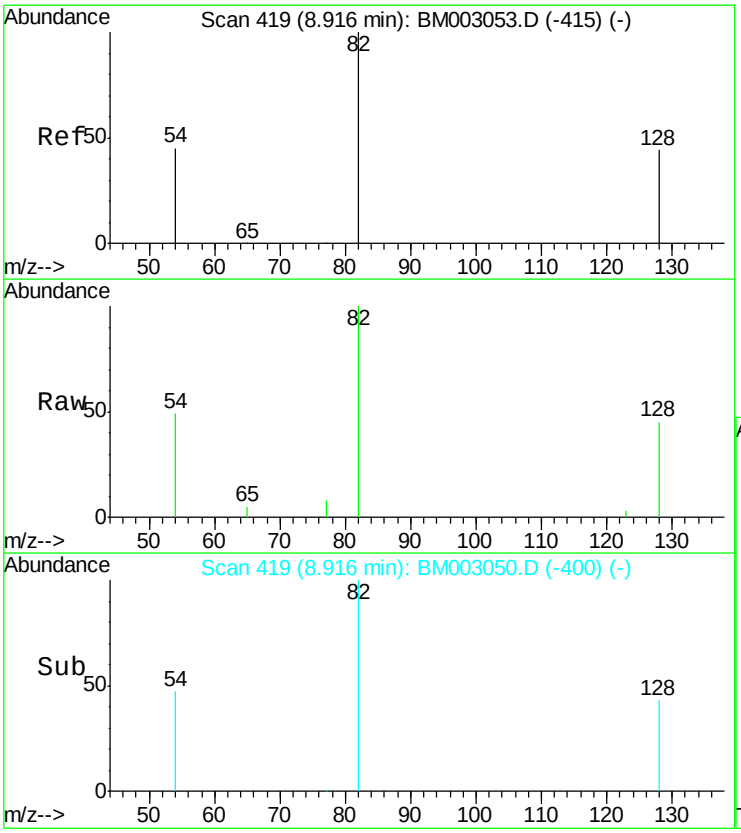
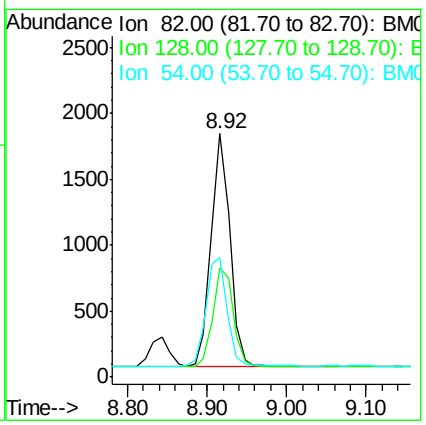
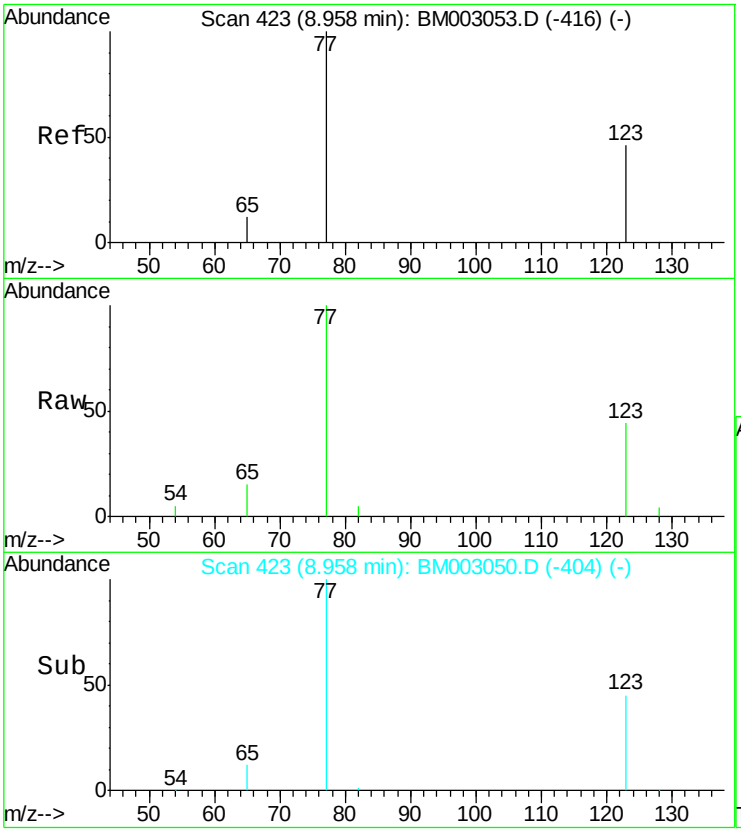


#8
Nitrobenzene-d5
Concen: 0.20 ng
RT: 8.92 min Scan# 419
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion: 82 Resp: 2925

Ion	Ratio	Lower	Upper
82	100		
128	45.0	35.2	52.8
54	49.2	36.4	54.6

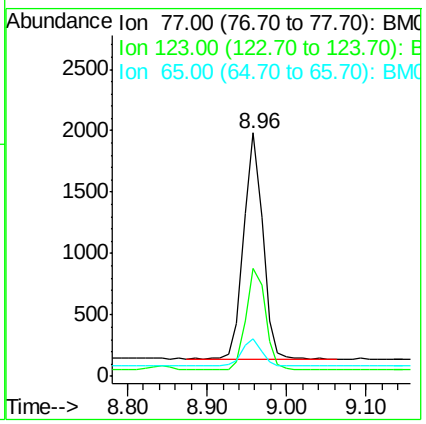




#9
Nitrobenzene
Concen: 0.20 ng
RT: 8.96 min Scan# 423
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion: 77 Resp: 3090

Ion	Ratio	Lower	Upper
77	100		
123	46.2	0.0	0.0#
65	12.3	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

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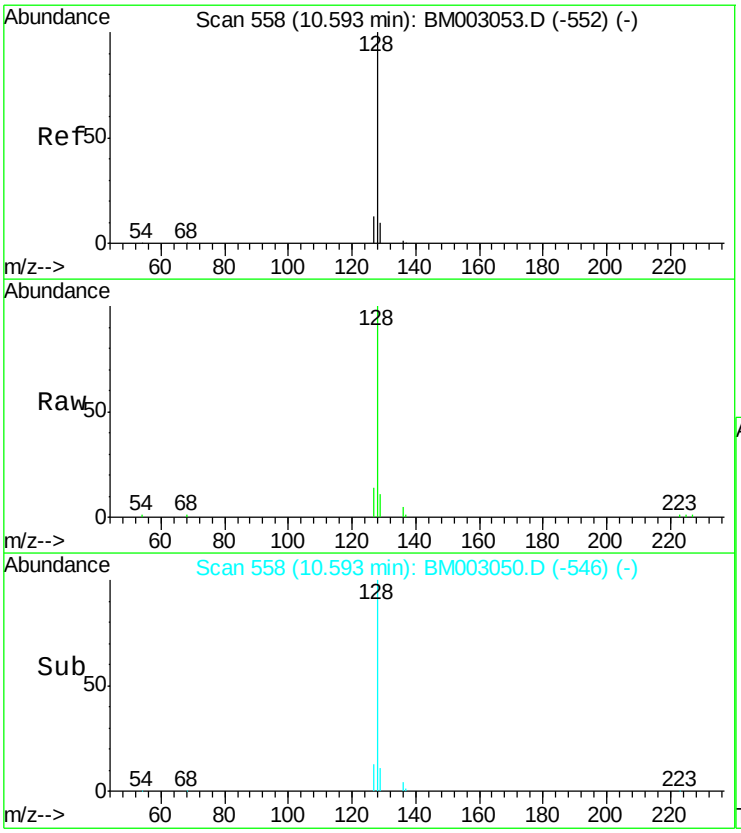
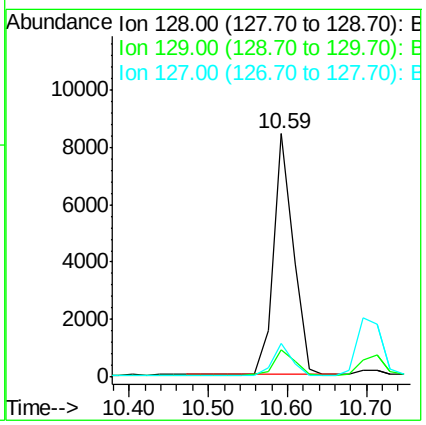
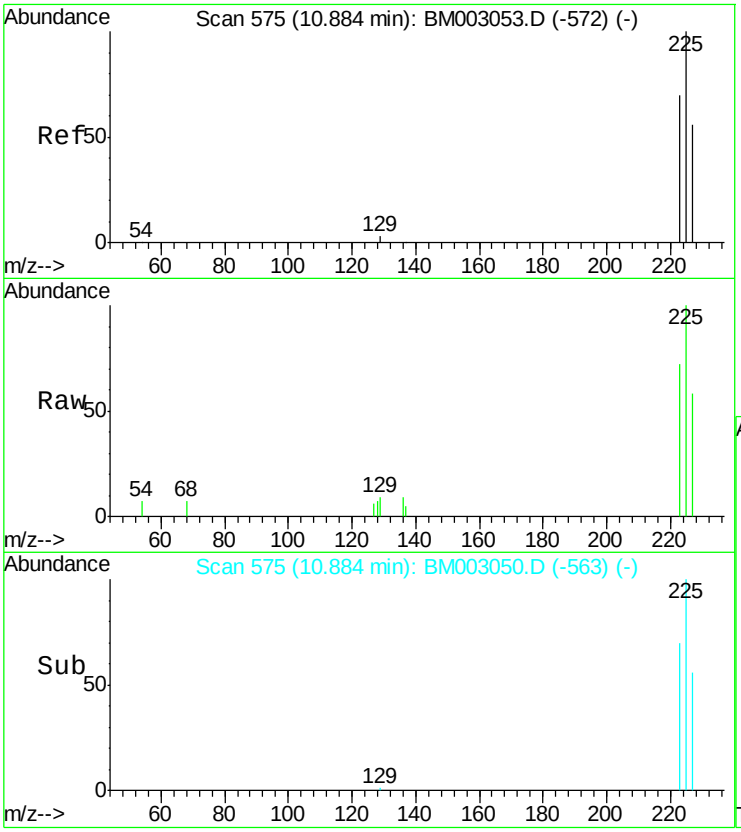


#10
Naphthalene
Concen: 0.21 ng
RT: 10.59 min Scan# 558
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:128 Resp: 14439

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.5	12.7
127	13.6	10.6	16.0

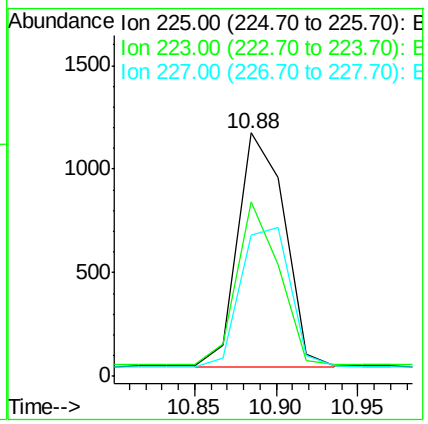




#11
Hexachlorobutadiene
Concen: 0.21 ng m
RT: 10.88 min Scan# 575
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:225 Resp: 2274

Ion	Ratio	Lower	Upper
225	100		
223	85.6	0.0	0.0#
227	80.0	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

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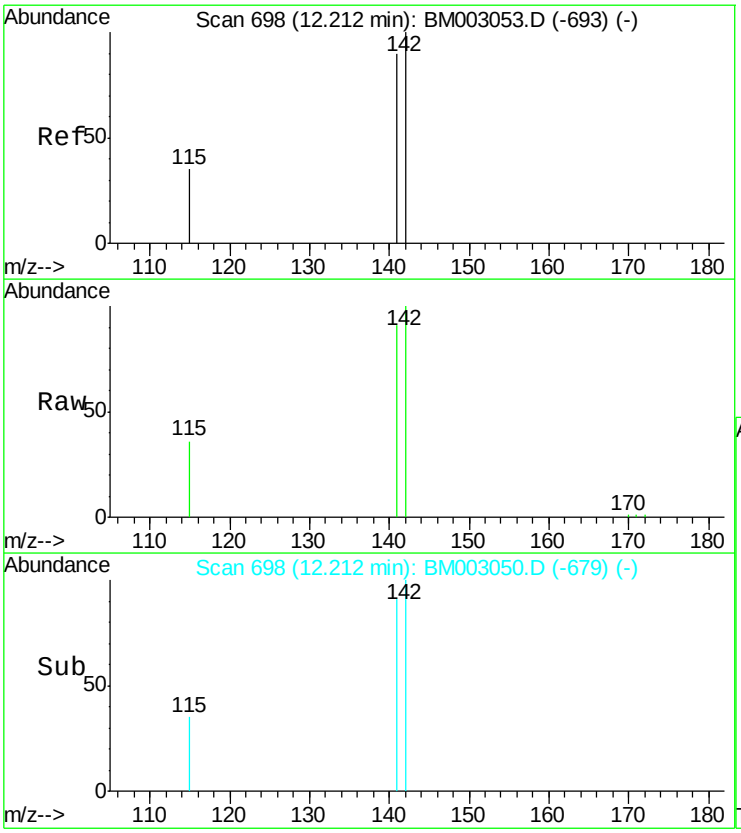
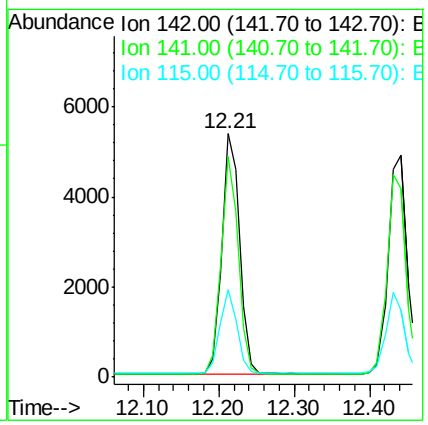
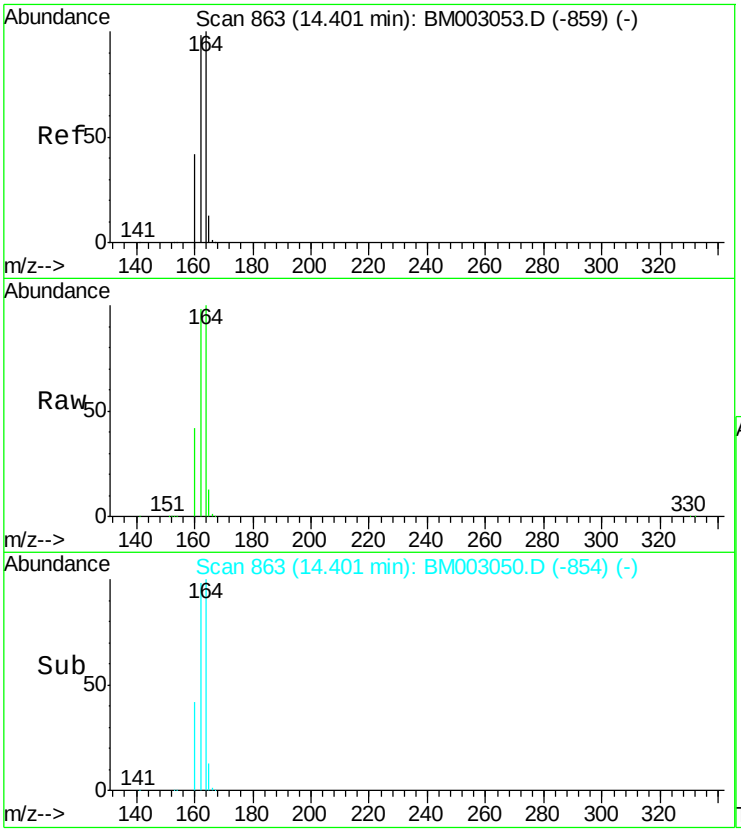


#12
2-Methylnaphthalene
Concen: 0.19 ng
RT: 12.21 min Scan# 698
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:142 Resp: 8909

Ion	Ratio	Lower	Upper
142	100		
141	90.7	72.2	108.2
115	35.8	28.0	42.0

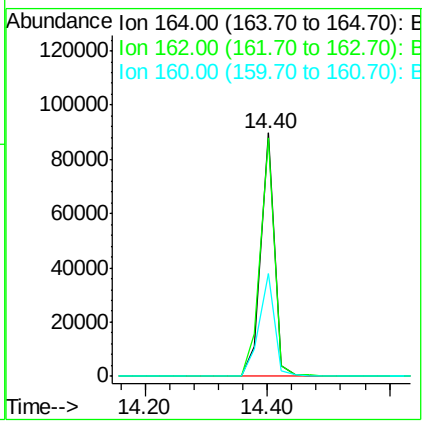




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.40 min Scan# 863
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:164 Resp: 141071

Ion	Ratio	Lower	Upper
164	100		
162	97.7	78.3	117.5
160	42.3	33.8	50.6



Instrument :
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ClientSampleId :
SSTDICC0.2

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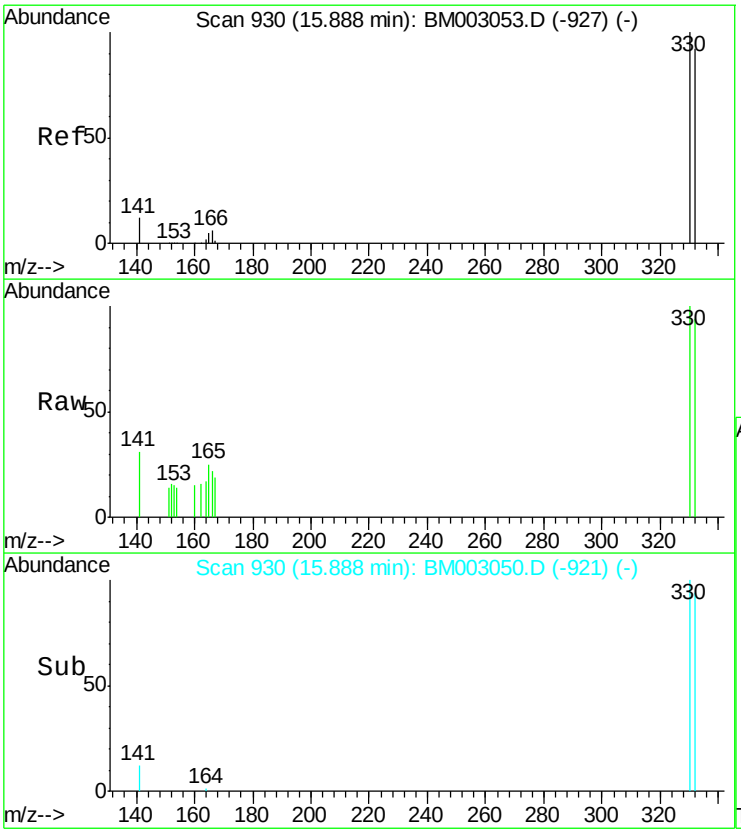
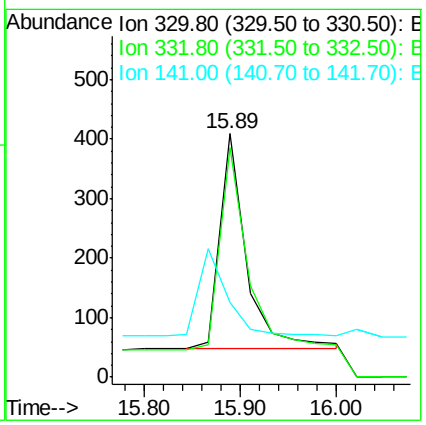
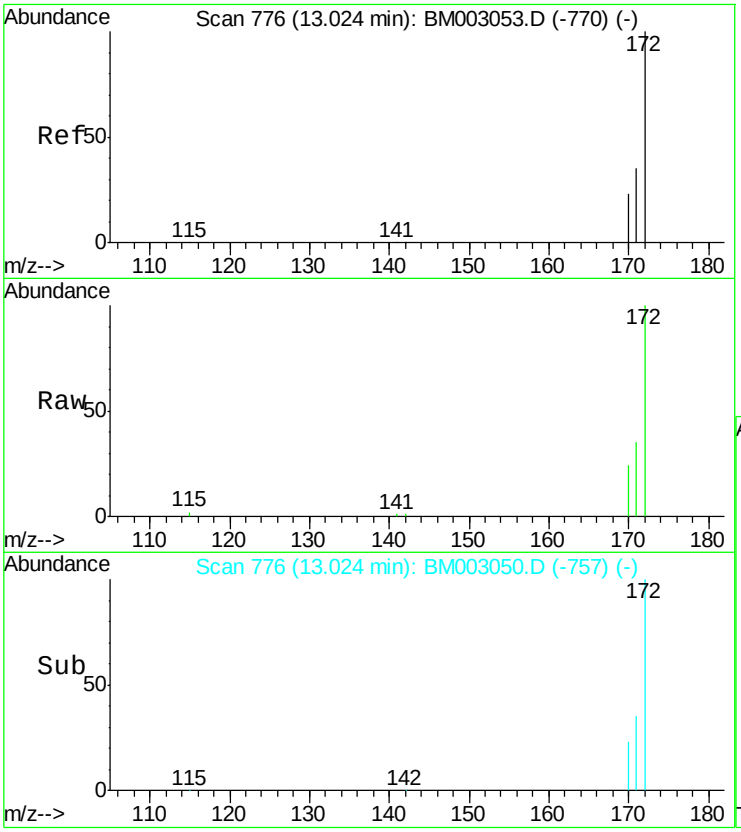


#14
2,4,6-Tribromophenol
Concen: 0.16 ng
RT: 15.89 min Scan# 930
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:330 Resp: 700

Ion	Ratio	Lower	Upper
330	100		
332	97.9	0.0	0.0#
141	0.0	0.0	0.0

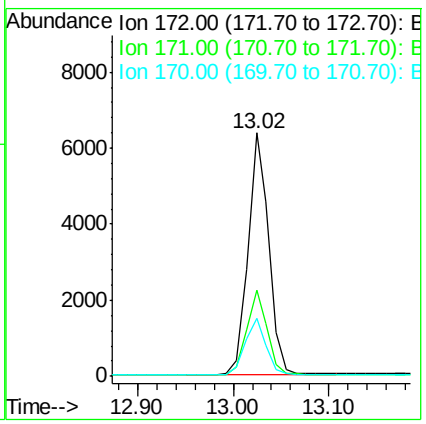




#15
2-Fluorobiphenyl
Concen: 0.21 ng
RT: 13.02 min Scan# 776
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:172 Resp: 9608

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.0	42.0
170	23.7	18.9	28.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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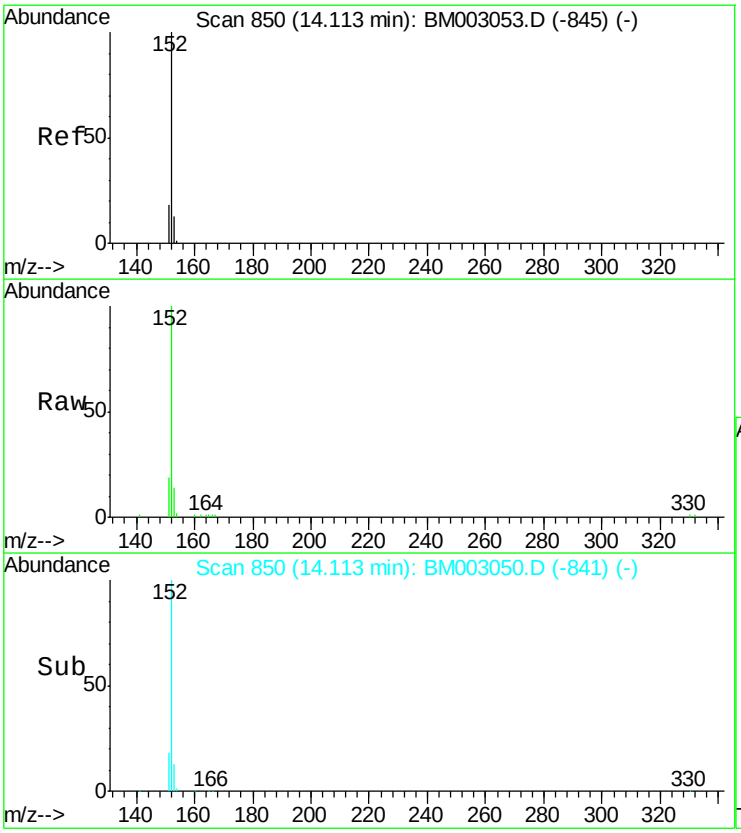
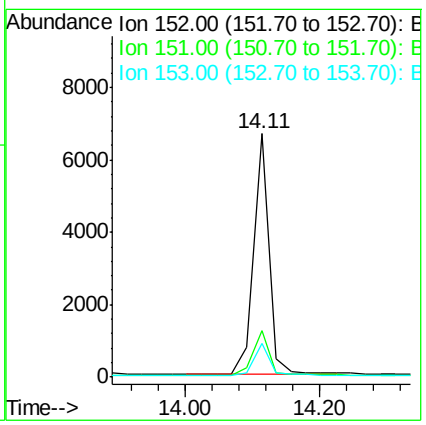
11/5/2015 2:18:41 PM

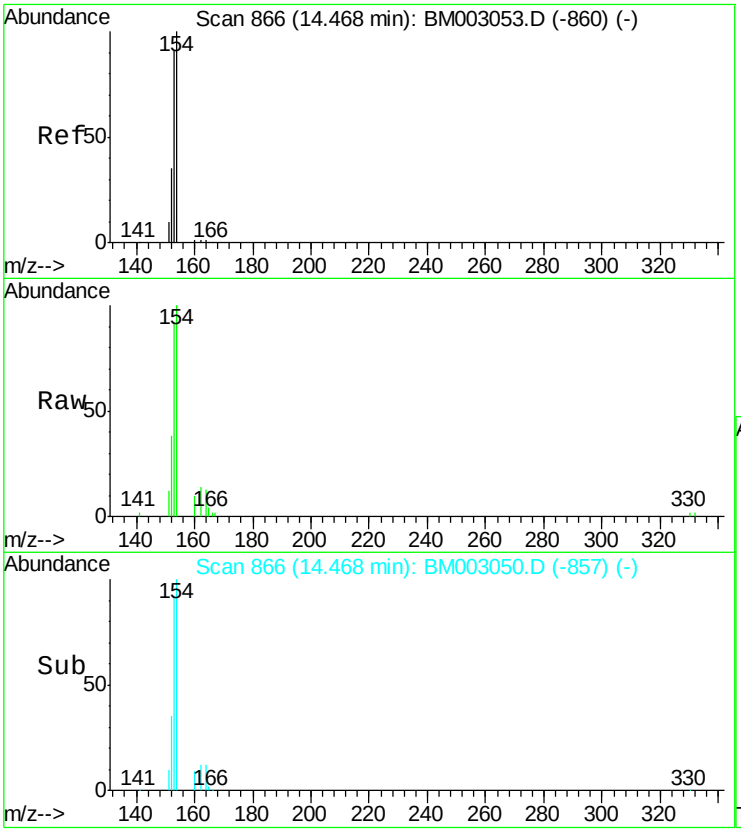


#16
Acenaphthylene
Concen: 0.18 ng
RT: 14.11 min Scan# 850
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:152 Resp: 10865

Ion	Ratio	Lower	Upper
152	100		
151	18.8	0.0	0.0#
153	12.8	0.0	0.0#

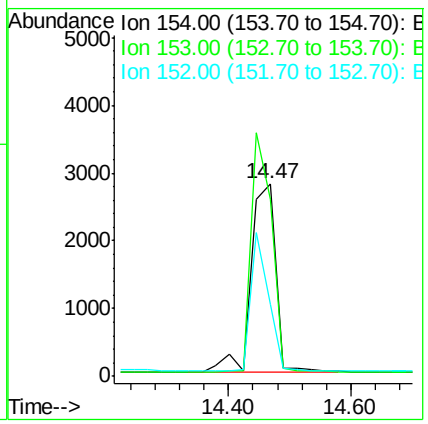




#17
Acenaphthene
Concen: 0.19 ng
RT: 14.47 min Scan# 866
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:154 Resp: 7953

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



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

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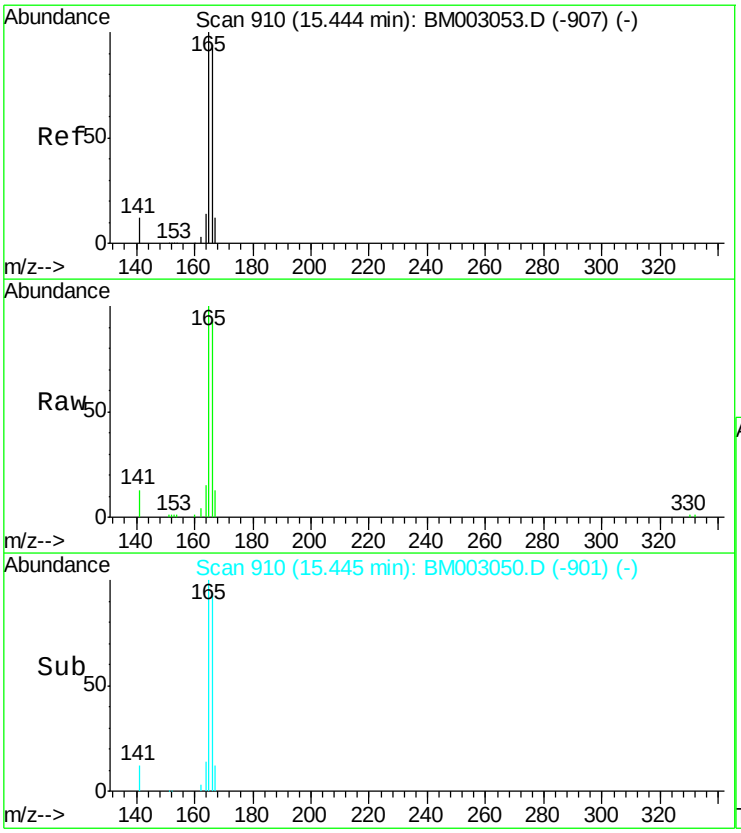
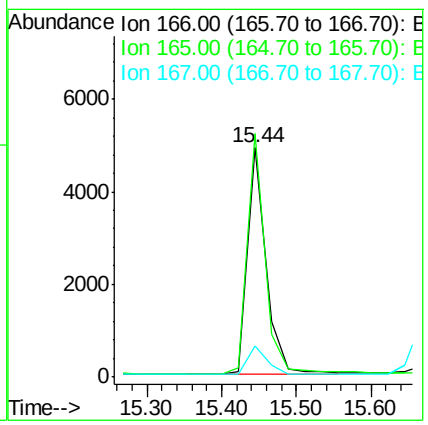
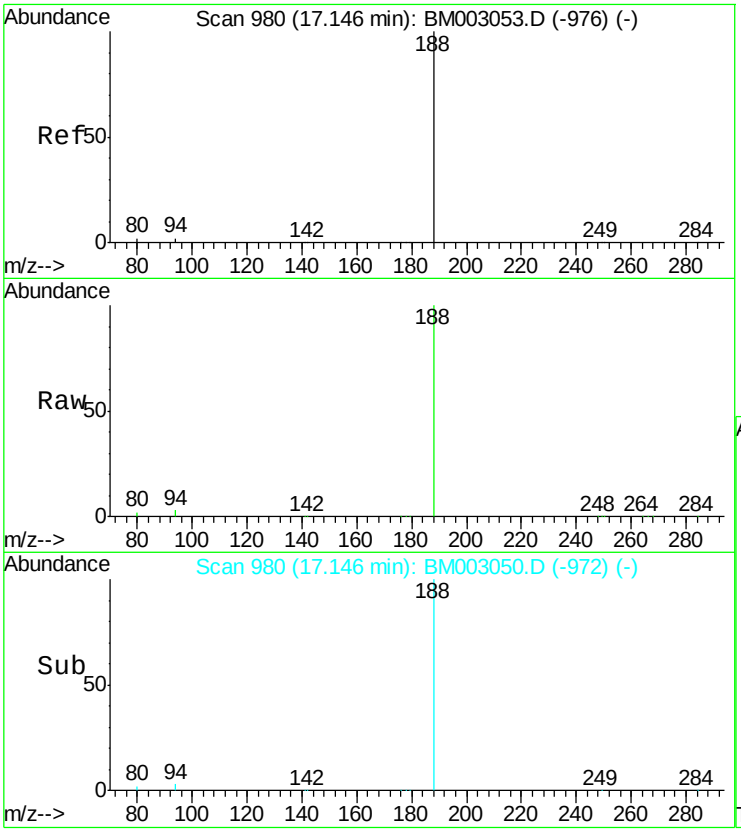


#18
Fluorene
Concen: 0.17 ng
RT: 15.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:166 Resp: 8501

Ion	Ratio	Lower	Upper
166	100		
165	100.9	0.0	0.0#
167	13.4	0.0	0.0#

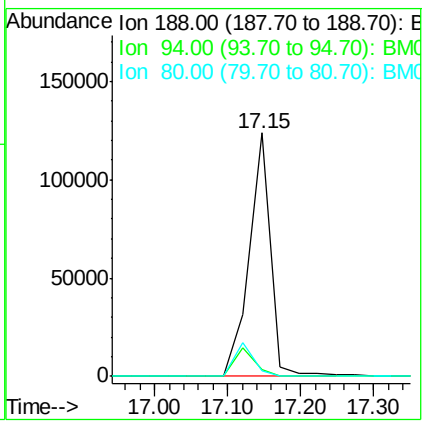




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 980
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:188 Resp: 250414

Ion	Ratio	Lower	Upper
188	100		
94	2.6	1.8	2.6
80	2.1	1.4	2.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

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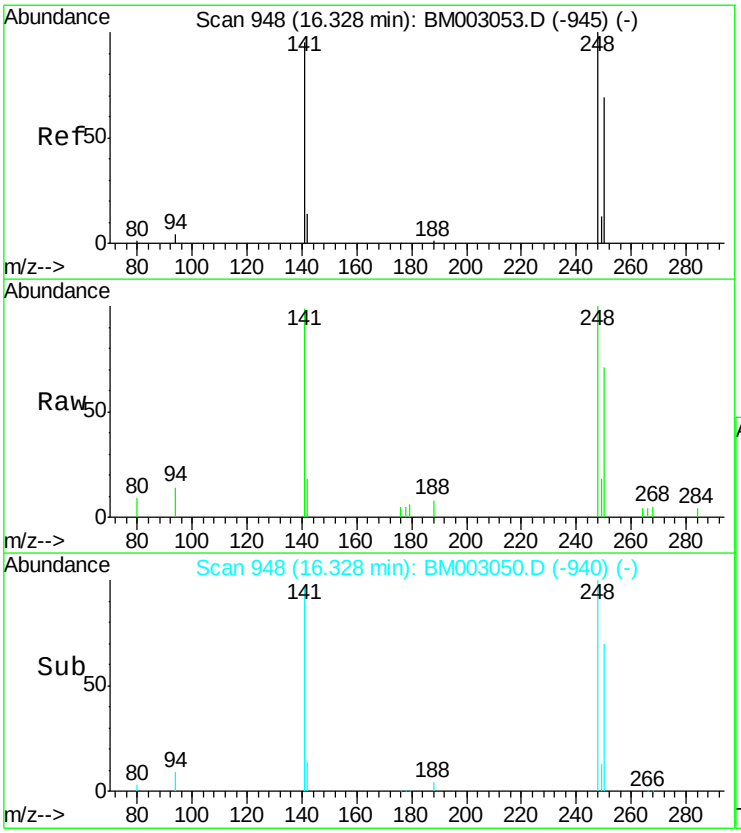
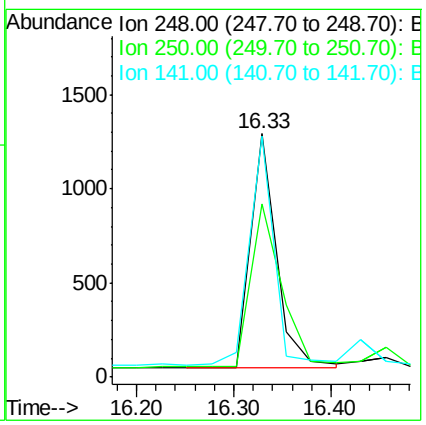
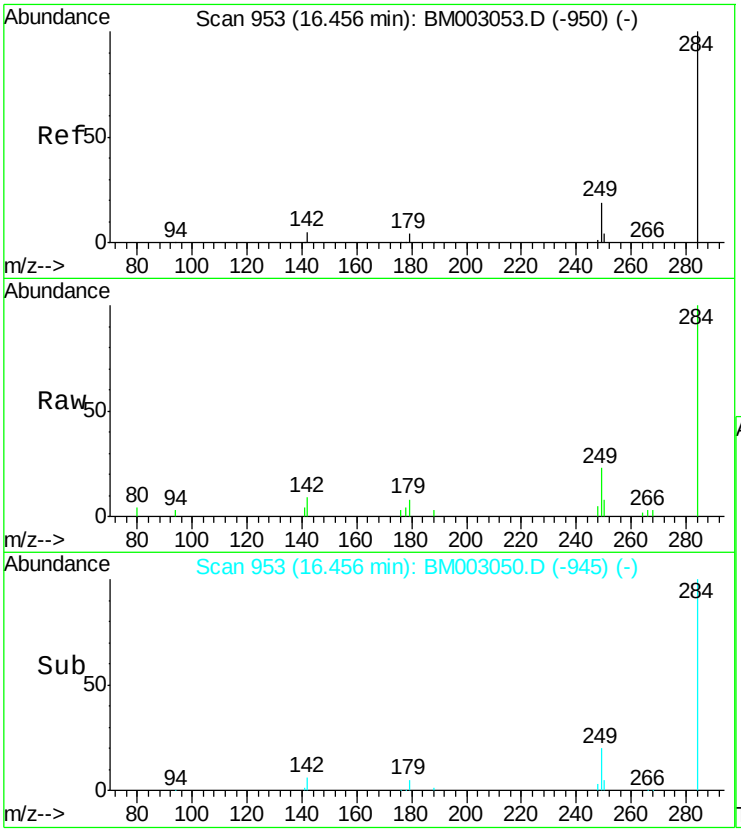


#20
4-Bromophenyl-phenylether
Concen: 0.22 ng
RT: 16.33 min Scan# 948
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:248 Resp: 2290

Ion	Ratio	Lower	Upper
248	100		
250	84.2	0.0	0.0#
141	91.9	0.0	0.0#

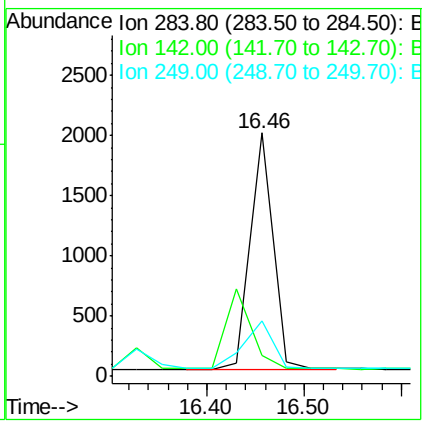




#21
Hexachlorobenzene
Concen: 0.25 ng
RT: 16.46 min Scan# 953
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:284 Resp: 3225

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	25.0	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

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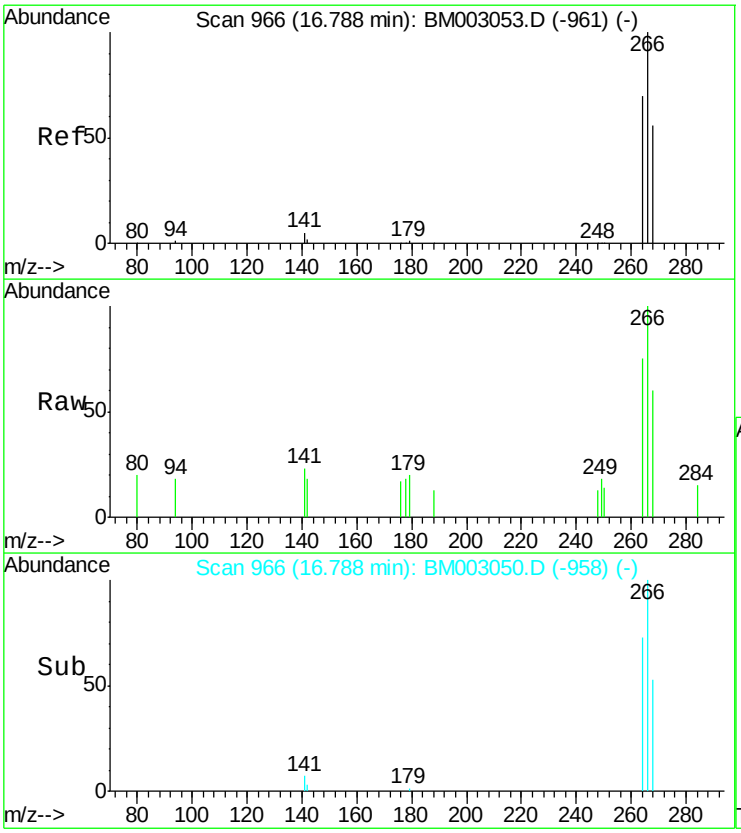
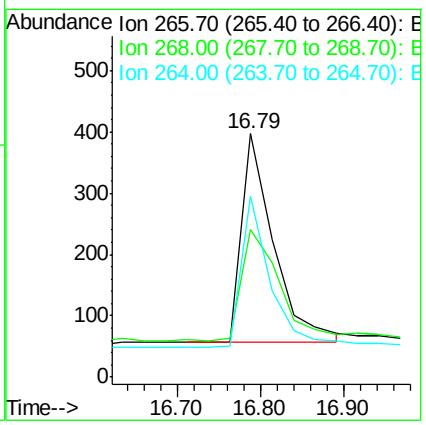
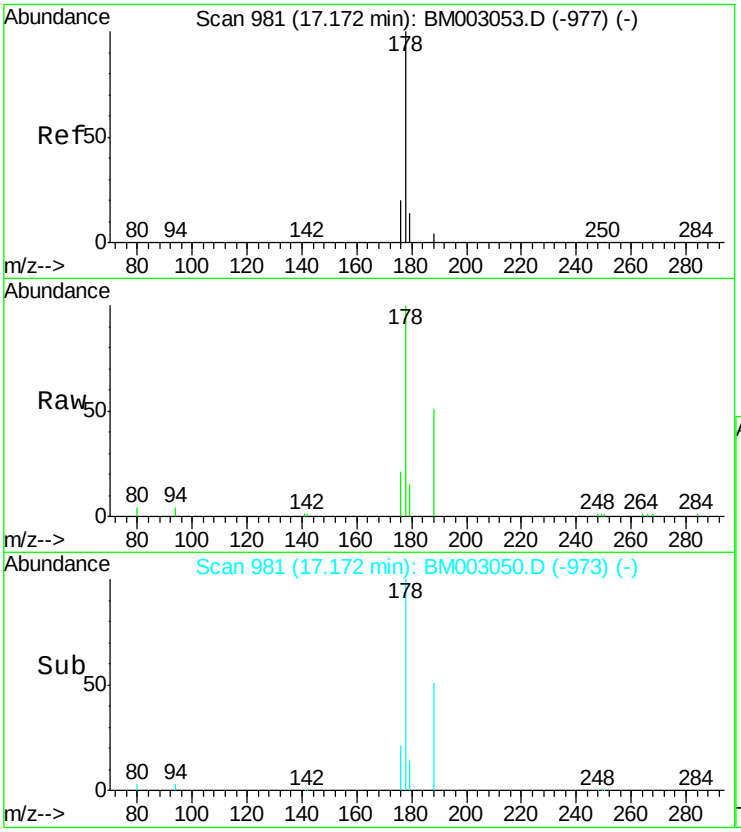


#22
Pentachlorophenol
Concen: 0.59 ng
RT: 16.79 min Scan# 966
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:266 Resp: 916

Ion	Ratio	Lower	Upper
266	100		
268	60.5	45.8	68.8
264	74.6	56.7	85.1

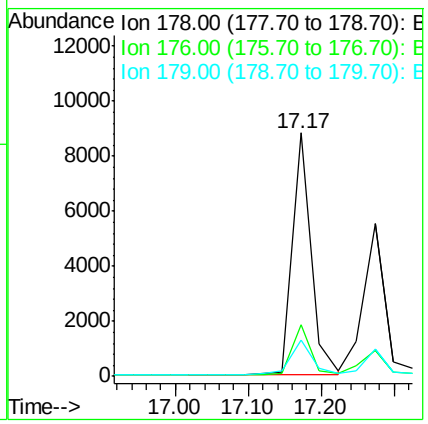




#23
Phenanthrene
Concen: 0.26 ng
RT: 17.17 min Scan# 981
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:178 Resp: 15527

Ion	Ratio	Lower	Upper
178	100		
176	20.0	0.0	0.0#
179	15.9	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

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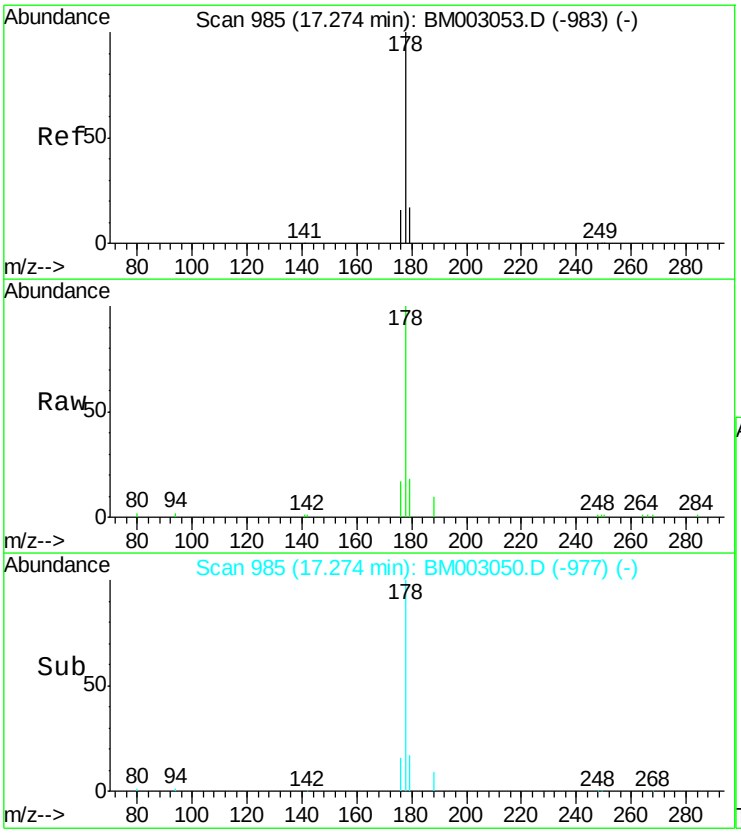
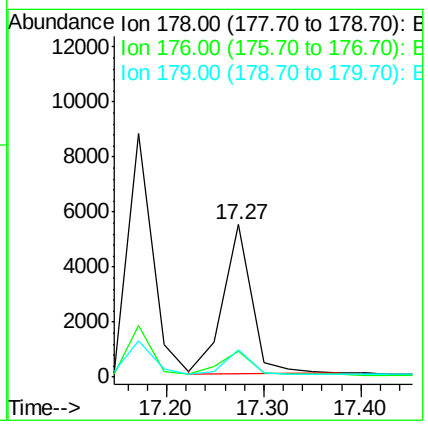
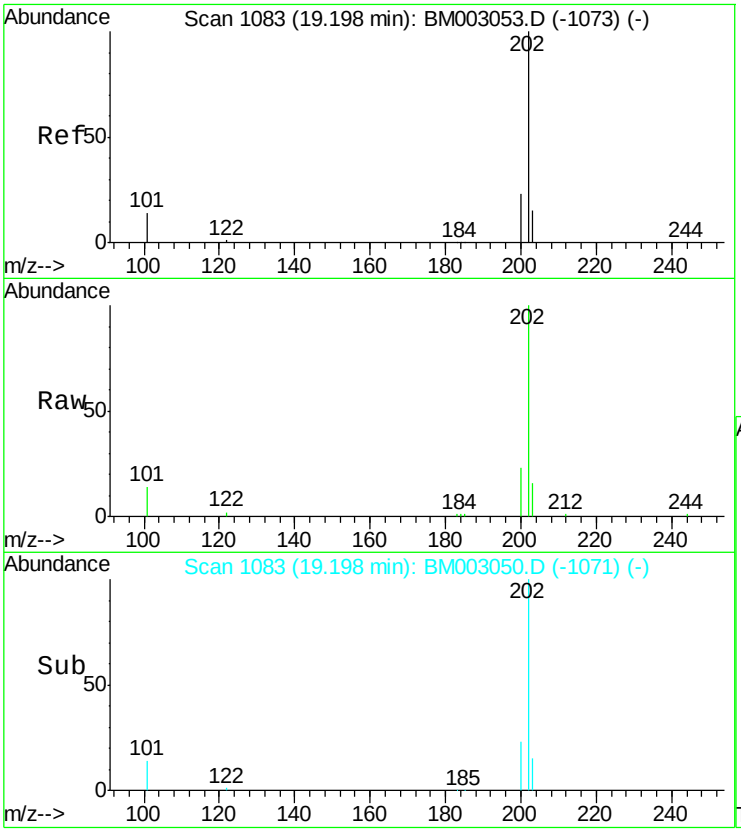


#24
Anthracene
Concen: 0.20 ng
RT: 17.27 min Scan# 985
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:178 Resp: 10866

Ion	Ratio	Lower	Upper
178	100		
176	18.0	0.0	0.0#
179	15.7	0.0	0.0#

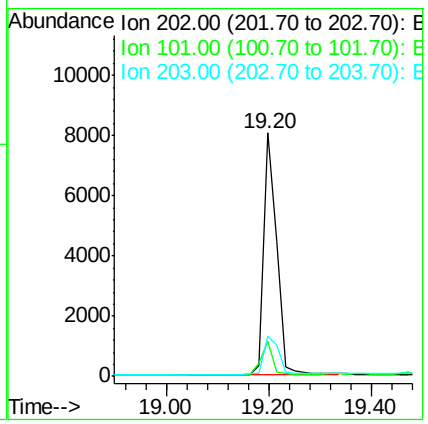




#25
Fluoranthene
Concen: 0.21 ng
RT: 19.20 min Scan# 1083
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:202 Resp: 13772

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	0.0#
203	17.8	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

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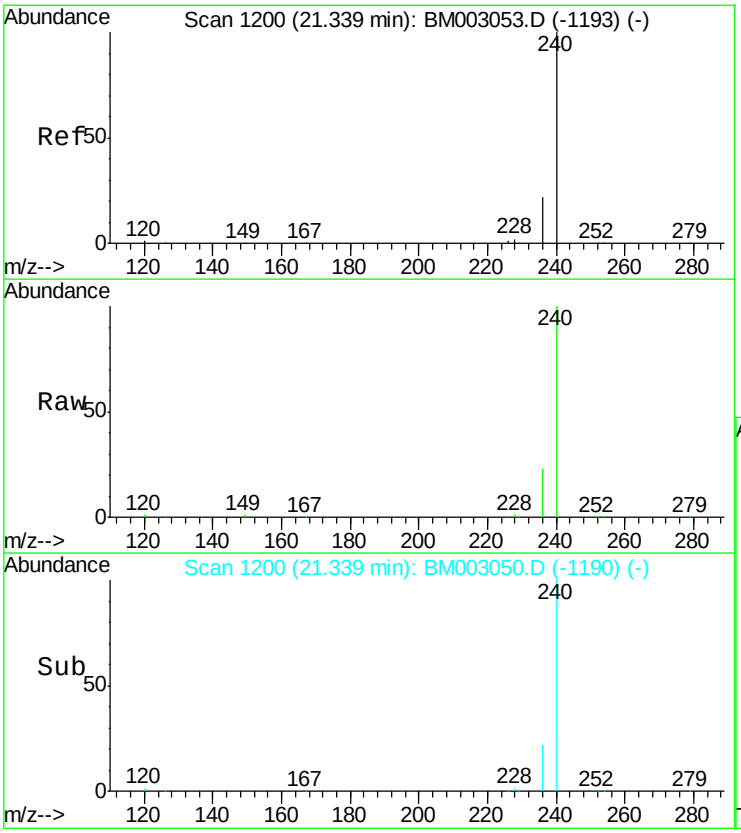
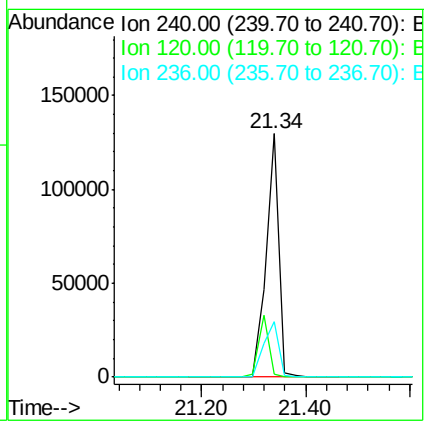
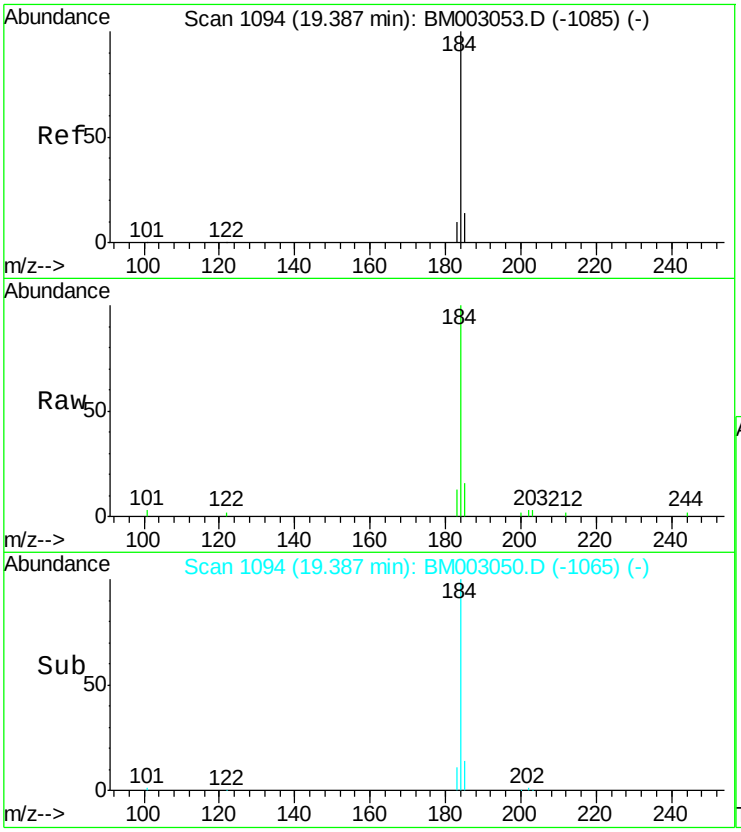


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.34 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:240 Resp: 222277

Ion	Ratio	Lower	Upper
240	100		
120	1.4	1.0	1.4
236	22.5	17.9	26.9

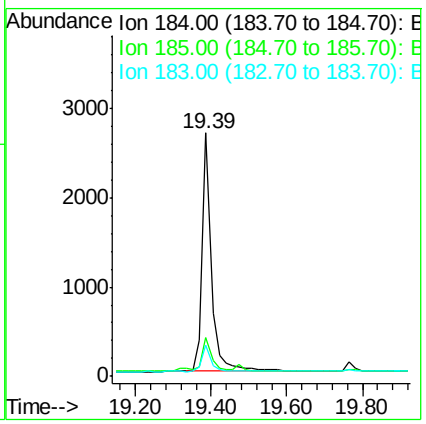




#27
Benzidine
Concen: 0.17 ng
RT: 19.39 min Scan# 1094
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:184 Resp: 4395

Ion	Ratio	Lower	Upper
184	100		
185	15.9	11.6	17.4
183	12.5	8.6	13.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
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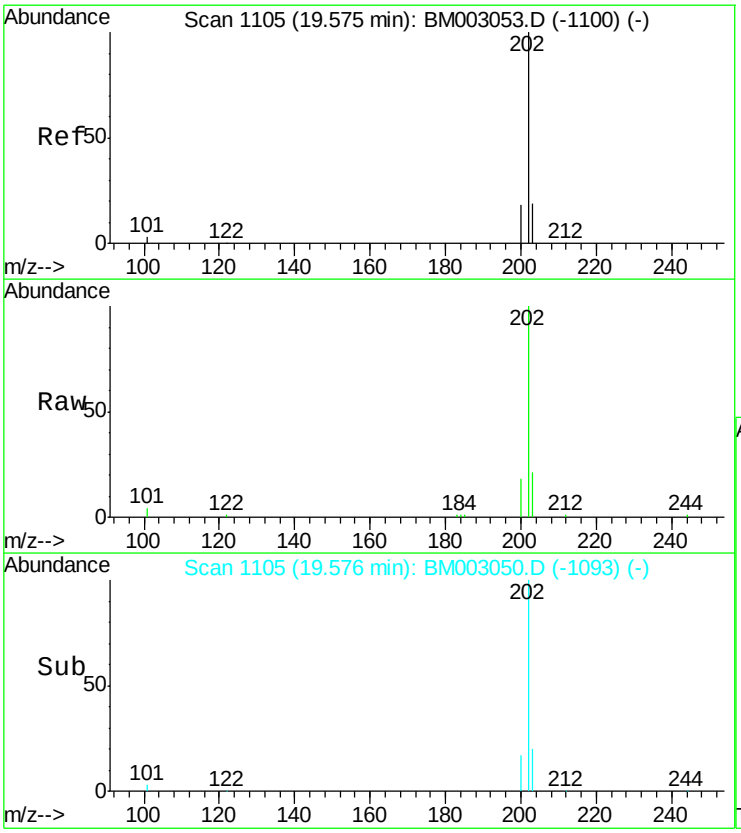
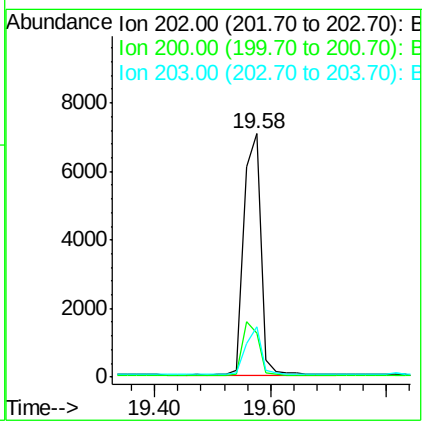
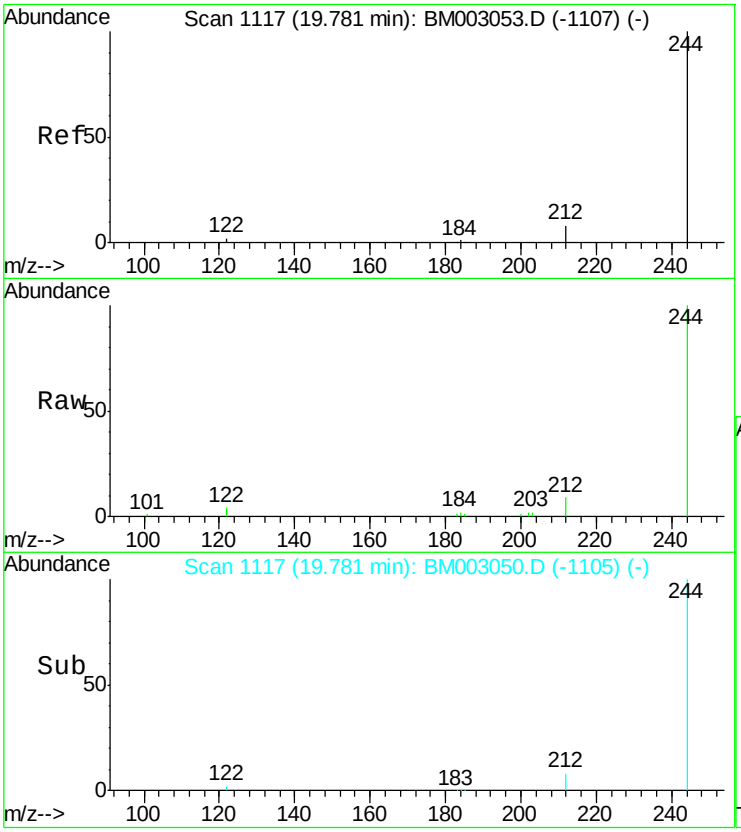


#28
Pyrene
Concen: 0.22 ng
RT: 19.58 min Scan# 1105
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:202 Resp: 14393

Ion	Ratio	Lower	Upper
202	100		
200	21.0	0.0	0.0#
203	18.0	0.0	0.0#

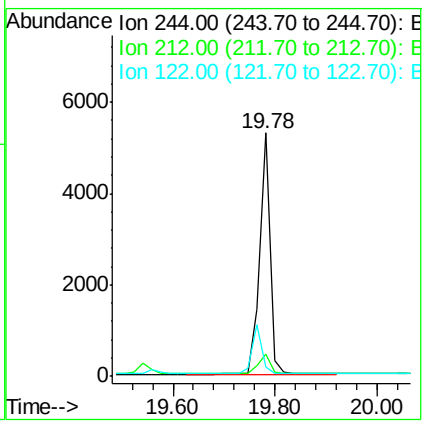




#29
Terphenyl-d14
Concen: 0.22 ng
RT: 19.78 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:244 Resp: 7356

Ion	Ratio	Lower	Upper
244	100		
212	9.1	6.5	9.7
122	3.8	2.0	3.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

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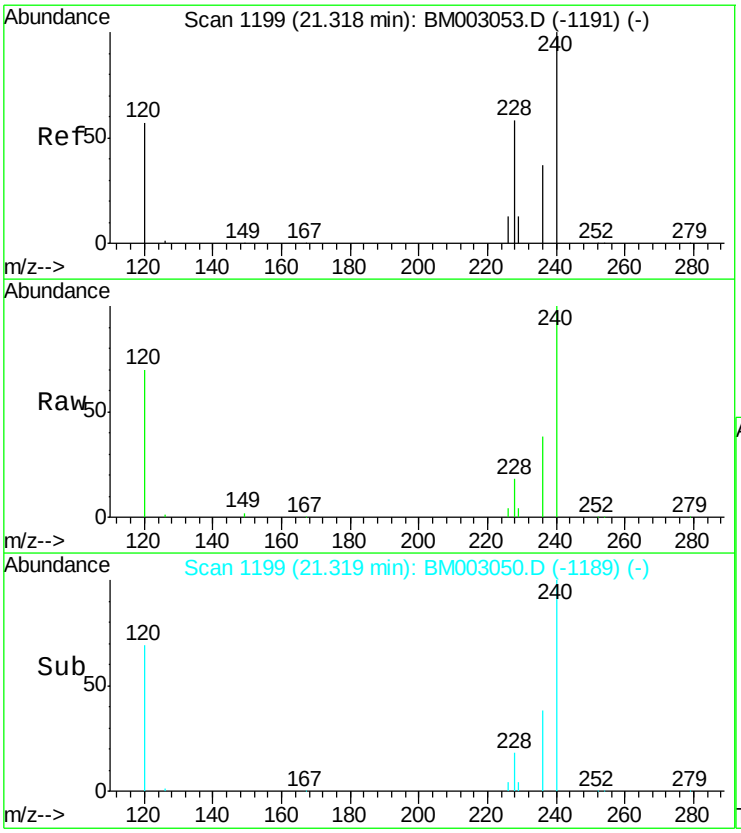
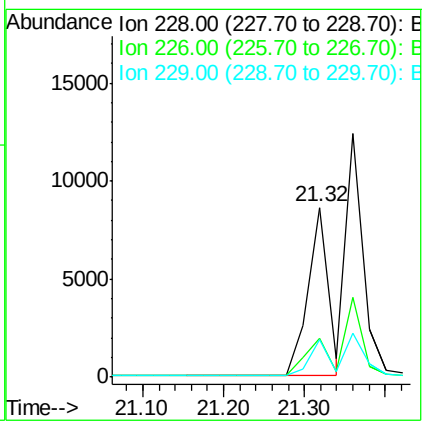
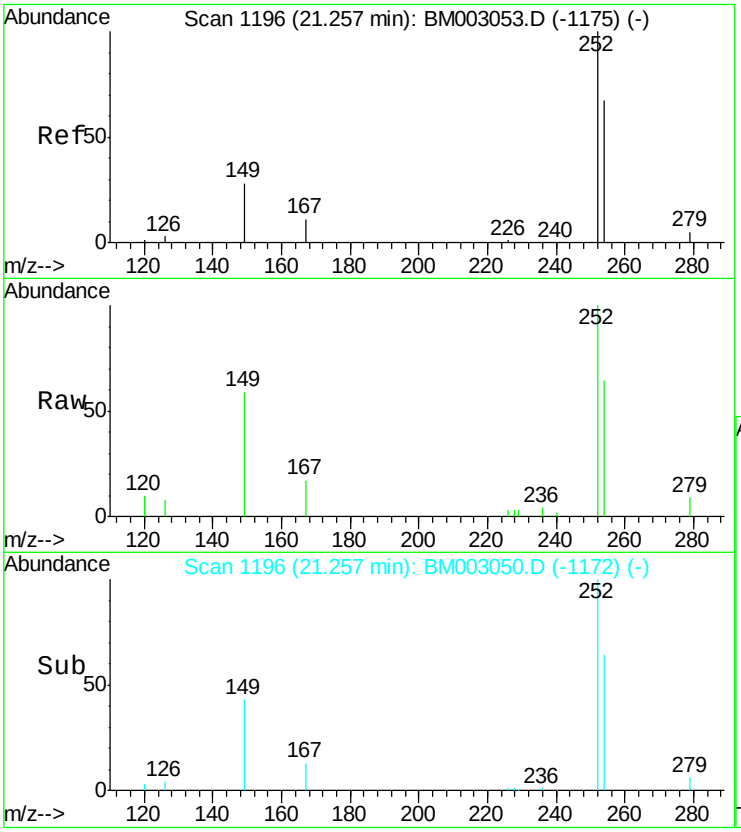


#30
Benzo(a)anthracene
Concen: 0.24 ng
RT: 21.32 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:228 Resp: 14929

Ion	Ratio	Lower	Upper
228	100		
226	23.0	17.8	26.6
229	22.1	18.0	27.0





#31
3,3'-Dichlorobenzidine
Concen: 0.21 ng
RT: 21.26 min Scan# 1196
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:252 Resp: 4379

Ion	Ratio	Lower	Upper
252	100		
254	64.0	53.7	80.5
126	8.2	2.8	4.2#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

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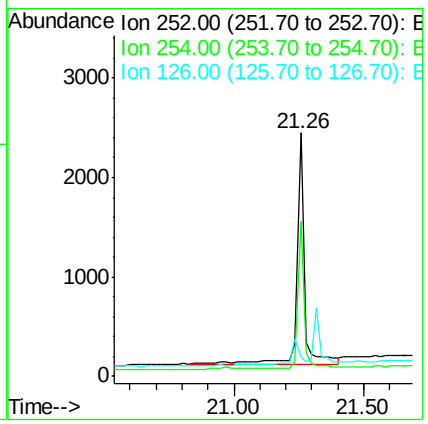
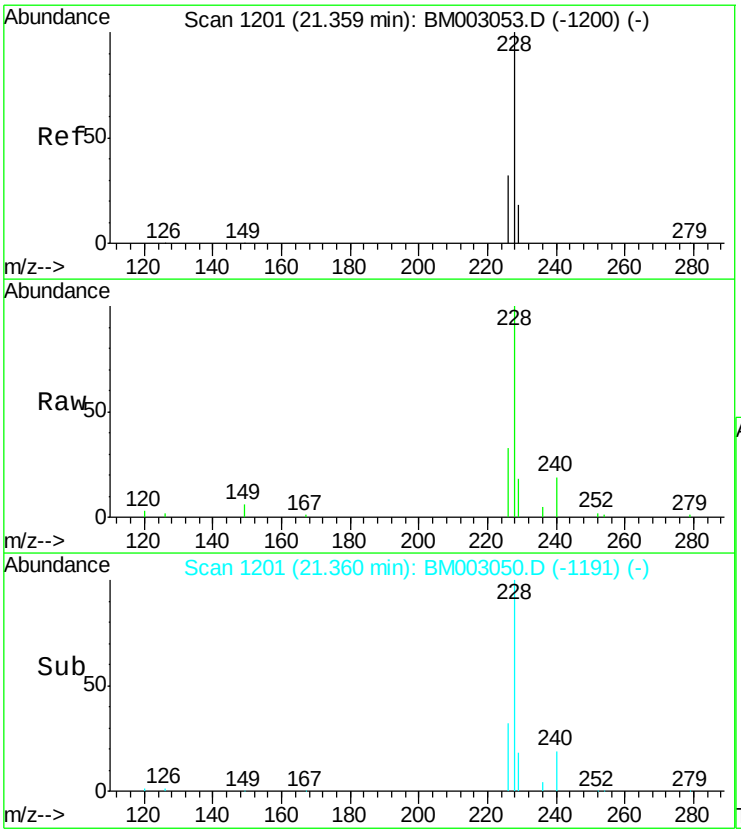
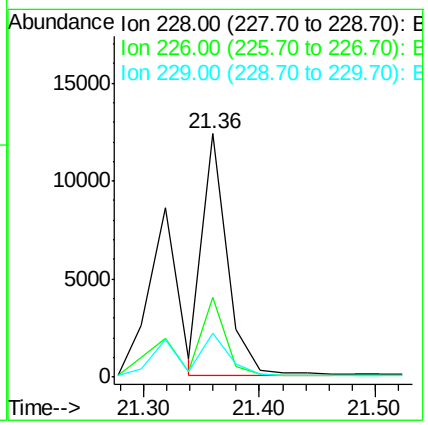


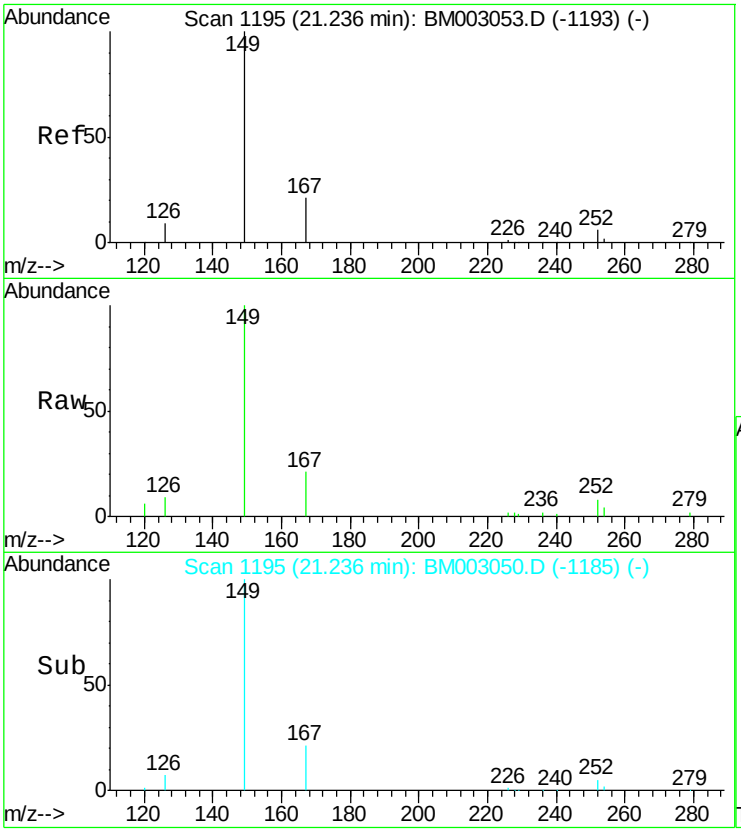


#32
Chrysene
Concen: 0.31 ng m
RT: 21.36 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:228 Resp: 18973

Ion	Ratio	Lower	Upper
228	100		
226	32.8	25.5	38.3
229	18.0	14.3	21.5





#33
Bis(2-ethylhexyl)phthalate
Concen: 0.15 ng
RT: 21.24 min Scan# 1195
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:149 Resp: 5246

Ion	Ratio	Lower	Upper
149	100		
167	26.6	0.0	0.0#
279	0.0	0.0	0.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

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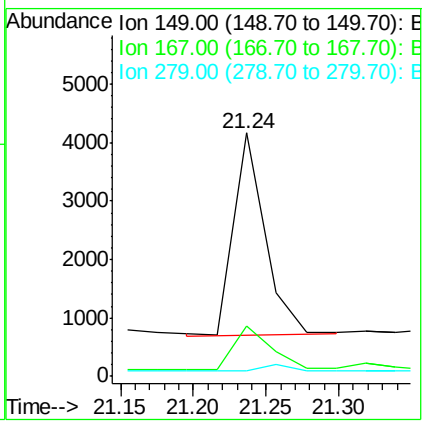
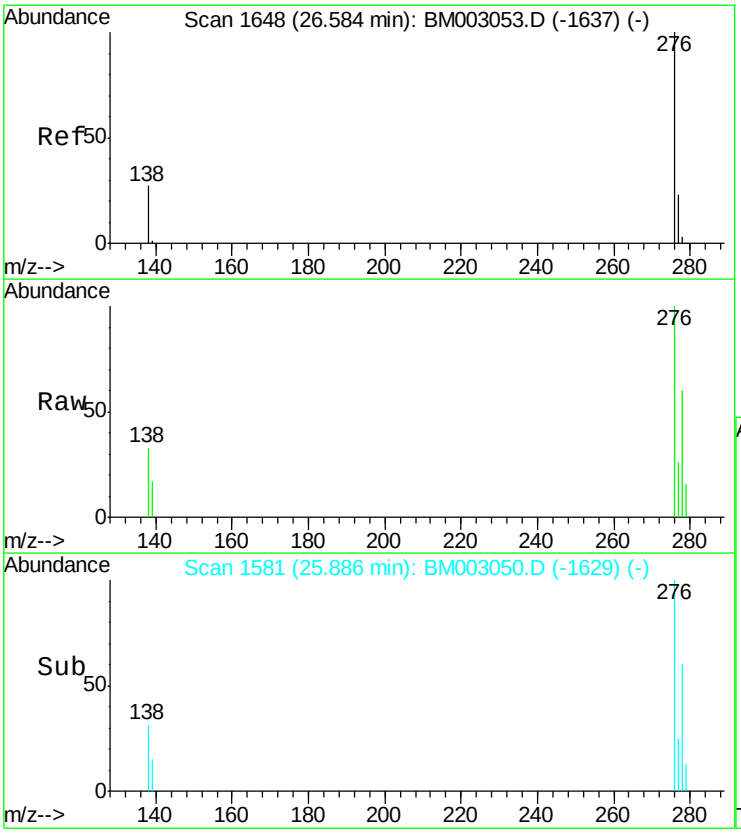
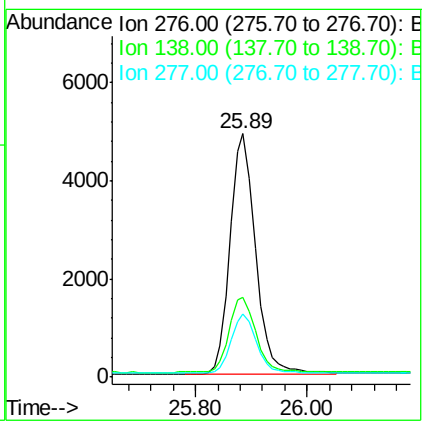


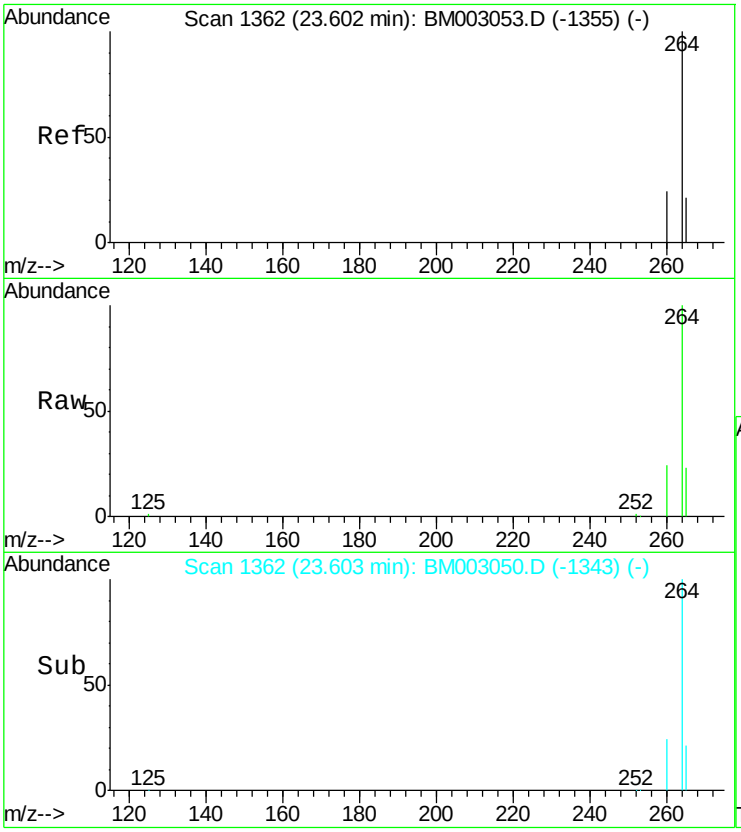


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.26 ng m
RT: 25.89 min Scan# 1581
Delta R.T. -0.70 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:276 Resp: 15683

Ion	Ratio	Lower	Upper
276	100		
138	24.7	0.0	0.0#
277	20.7	0.0	0.0#

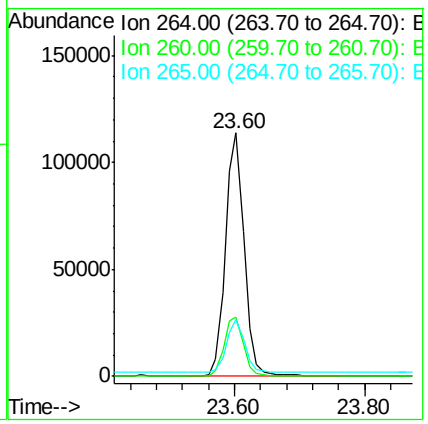




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.60 min Scan# 1362
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:264 Resp: 225857

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.6	29.4
265	23.1	18.4	27.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

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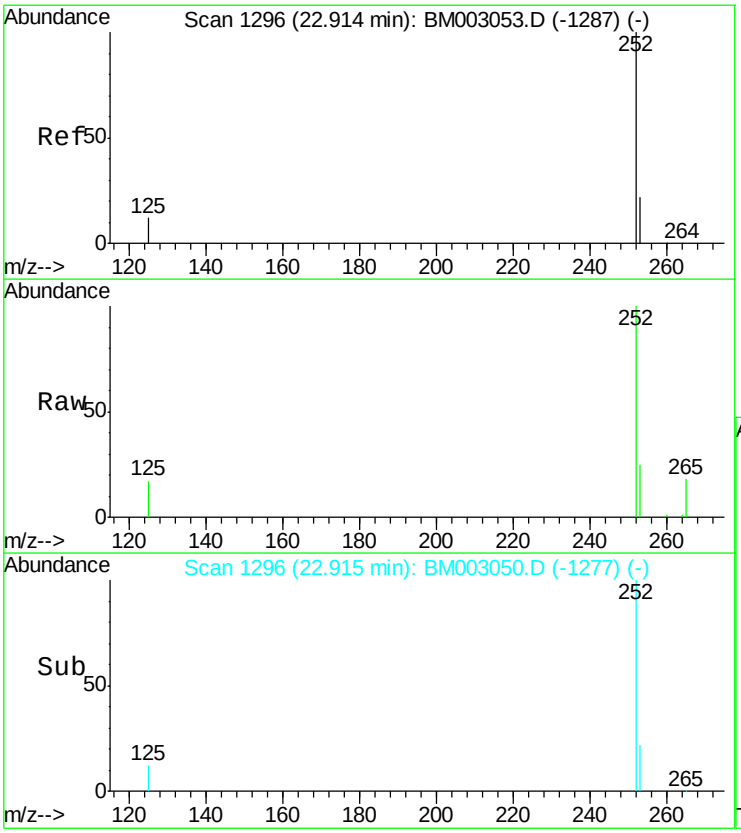
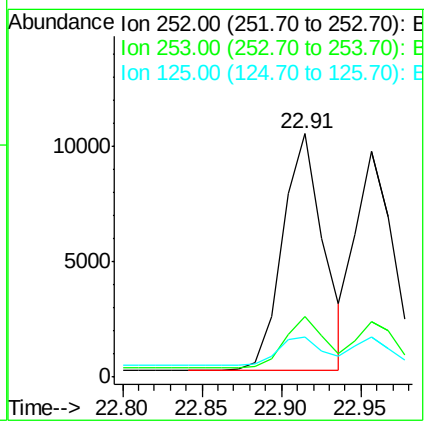
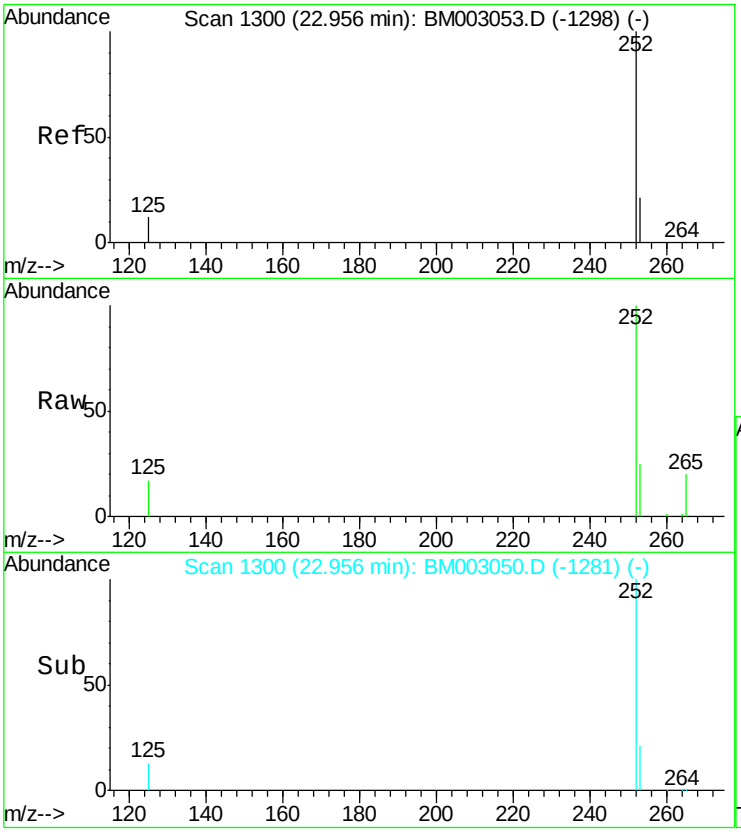


#36
Benzo(b)fluoranthene
Concen: 0.28 ng
RT: 22.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:252 Resp: 18334

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.4
125	16.7	10.3	15.5#





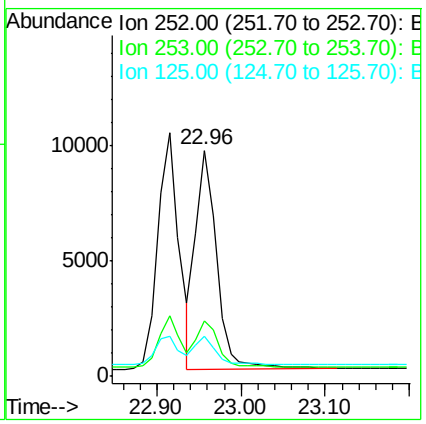
#37
Benzo(k)fluoranthene
Concen: 0.26 ng
RT: 22.96 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

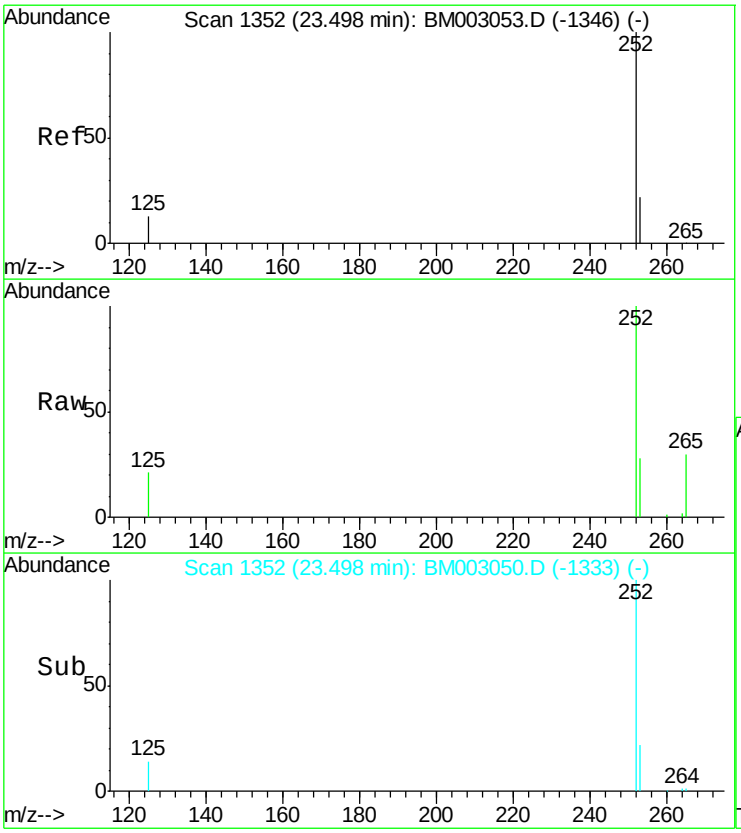
Tgt Ion:252 Resp: 16303

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	17.5	10.7	16.1#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
Mmdadoda
11/5/2015 2:18:41 PM

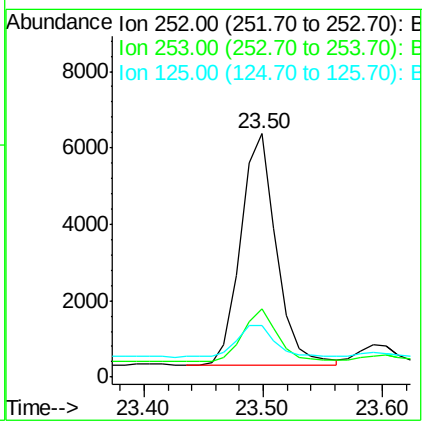


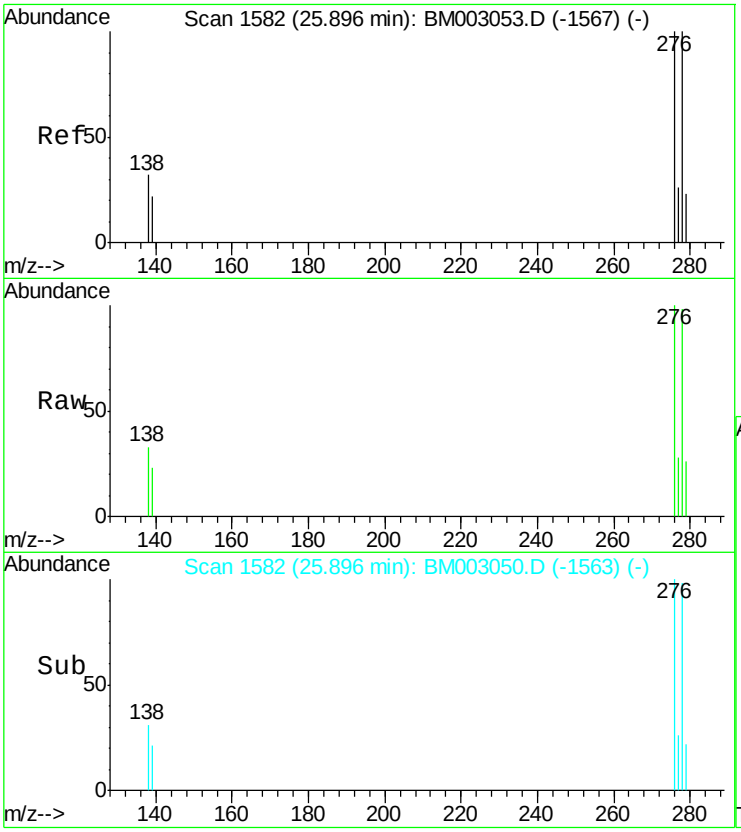


#38
Benzo(a)pyrene
Concen: 0.22 ng
RT: 23.50 min Scan# 1352
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:252 Resp: 12523

Ion	Ratio	Lower	Upper
252	100		
253	27.8	18.7	28.1
125	21.3	11.6	17.4#

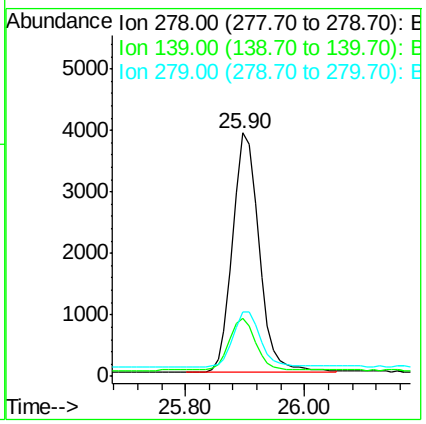




#39
Dibenzo(a,h)anthracene
Concen: 0.22 ng
RT: 25.90 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

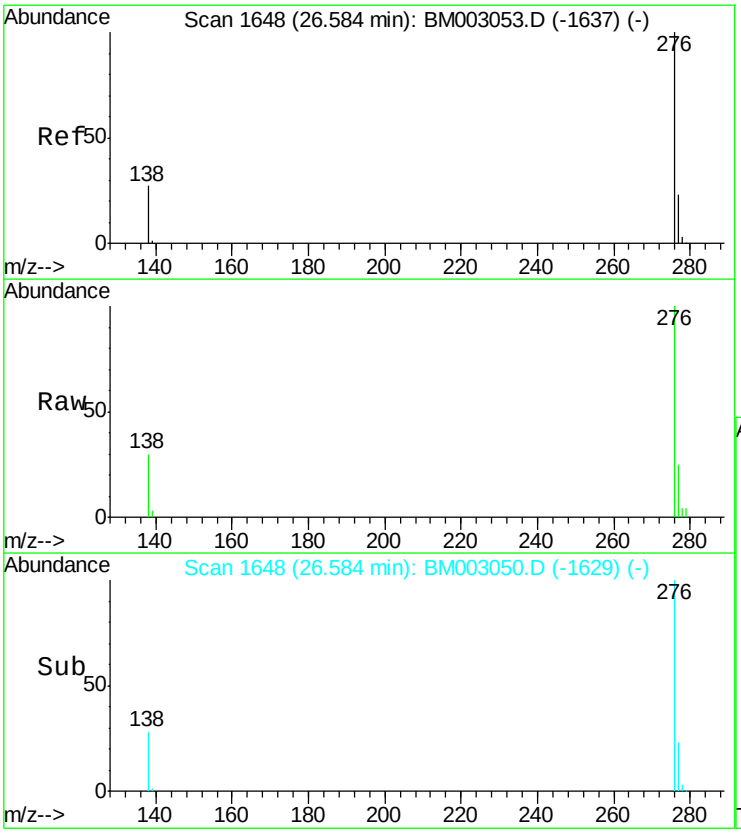
Tgt Ion:278 Resp: 12124

Ion	Ratio	Lower	Upper
278	100		
139	23.8	18.2	27.4
279	26.2	18.8	28.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
Mmdadoda
11/5/2015 2:18:41 PM



#40
Benzo(g,h,i)perylene
Concen: 0.24 ng
RT: 26.58 min Scan# 1648
Delta R.T. 0.00 min
Lab File: BM003050.D
Acq: 04 Nov 2015 19:13

Tgt Ion:276 Resp: 13689

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.0	28.6
138	30.0	22.3	33.5