Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110415\
Data File : BM003057.D
Acq On : 04 Nov 2015 23:26
Operator : UM/IZ
Sample : SSTDICV001
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ICVBM110415

Manual Integrations APPROVED
Mmdadoda
11/5/2015 2:19:00 PM

Quant Time: Nov 05 10:37:08 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM110415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 05 10:29:18 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	156161	5.00	ng		0.00
7) Naphthalene-d8	10.54	136	660679	5.00	ng		0.00
13) Acenaphthene-d10	14.39	164	359544	5.00	ng		0.00
19) Phenanthrene-d10	17.14	188	833057	5.00	ng		0.00
26) Chrysene-d12	21.33	240	680906	5.00	ng		0.00
35) Perylene-d12	23.59	264	511605	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.35	112	29015	0.88	ng		0.00
5) Phenol-d6	6.92	99	36304	0.94	ng		0.00
8) Nitrobenzene-d5	8.92	82	28492	0.94	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	9193	0.99	ng		0.00
15) 2-Fluorobiphenyl	13.03	172	100235	0.88	ng		0.00
29) Terphenyl-d14	19.77	244	90510	0.92	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.26	88	13110	0.90	ng		100
3) n-Nitrosodimethylamine	3.57	42	13452	0.92	ng		97
6) bis(2-Chloroethyl)ether	7.17	93	35346	0.96	ng		99
9) Nitrobenzene	8.95	77	31160	0.95	ng		99
10) Naphthalene	10.60	128	131769	0.93	ng		98
11) Hexachlorobutadiene	10.89	225	19937	0.91	ng		98
12) 2-Methylnaphthalene	12.22	142	88674	0.97	ng		94
16) Acenaphthylene	14.11	152	133565	0.95	ng		99
17) Acenaphthene	14.46	154	89352	0.93	ng	#	100
18) Fluorene	15.44	166	96337	0.94	ng	#	93
20) 4-Bromophenyl-phenylether	16.32	248	22727	0.87	ng	#	39
21) Hexachlorobenzene	16.45	284	33820	0.91	ng	#	80
22) Pentachlorophenol	16.78	266	9450	0.89	ng		90
23) Phenanthrene	17.16	178	147600	0.87	ng		99
24) Anthracene	17.27	178	167934	0.95	ng		98
25) Fluoranthene	19.21	202	166593	0.95	ng		100
27) Benzidine	19.38	184	52056	0.99	ng		96
28) Pyrene	19.57	202	185602	0.94	ng		99
30) Benzo(a)anthracene	21.31	228	164284m	0.96	ng		
31) 3,3'-Dichlorobenzidine	21.25	252	40014	0.94	ng	#	80
32) Chrysene	21.37	228	153148m	0.83	ng		
33) Bis(2-ethylhexyl)phthalate	21.25	149	62487	0.90	ng	#	91
34) Indeno(1,2,3-cd)pyrene	26.58	276	111413	0.80	ng		100
36) Benzo(b)fluoranthene	22.91	252	146975	0.94	ng		98
37) Benzo(k)fluoranthene	22.96	252	126400	0.90	ng		99
38) Benzo(a)pyrene	23.50	252	114361	0.87	ng		99
39) Dibenzo(a,h)anthracene	25.90	278	107921	0.84	ng		99
40) Benzo(g,h,i)perylene	26.58	276	111413	0.81	ng		99

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

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Data Path : Z:\HPCHEM1\BNA M\DATA\BM110415\
Data File : BM003057.D
Acq On : 04 Nov 2015 23:26
Operator : UM/IZ
Sample : SSTDICV001
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 05 10:37:08 2015
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 05 10:29:18 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
ICVBM110415

Manual Integrations APPROVED
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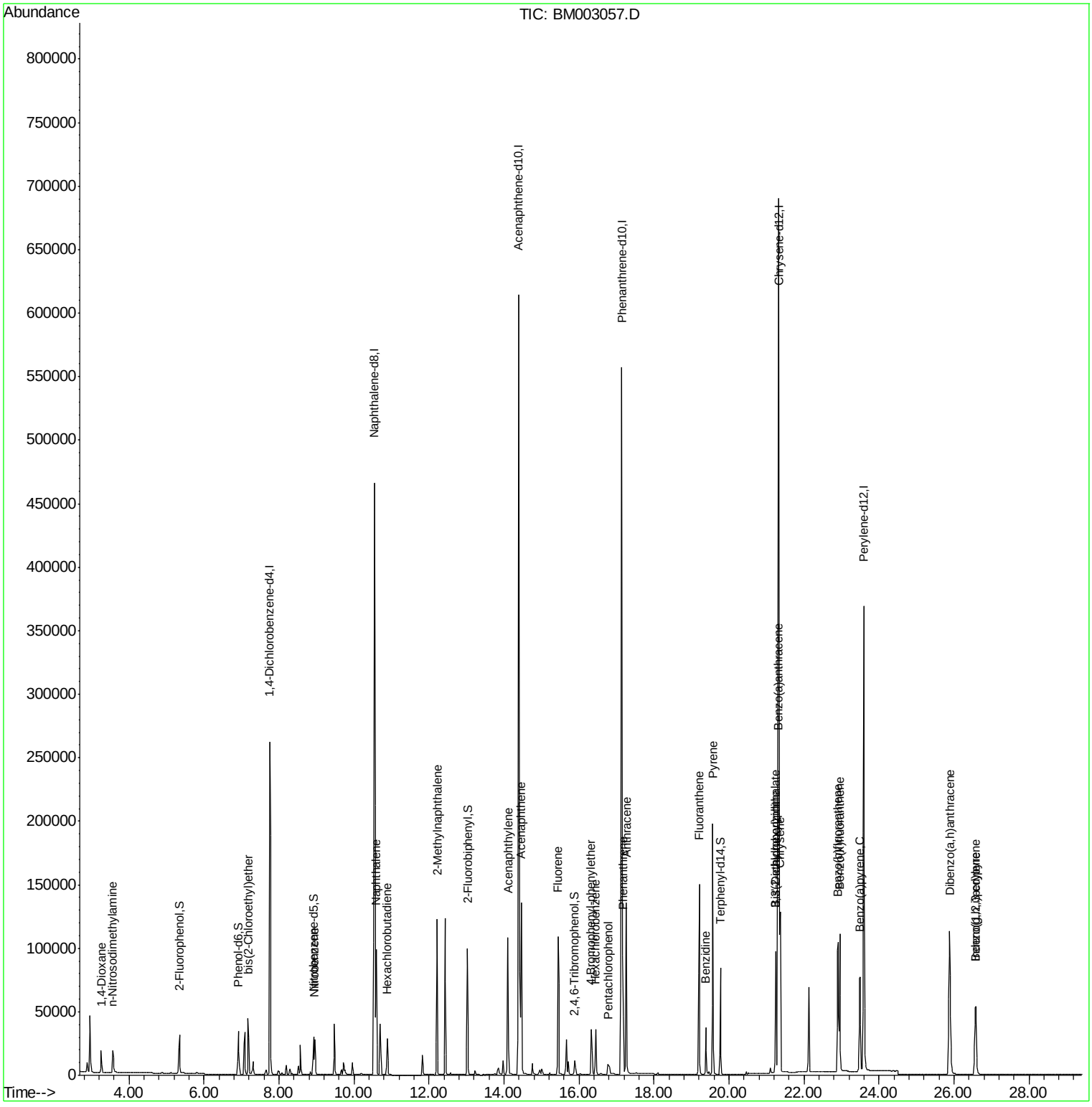
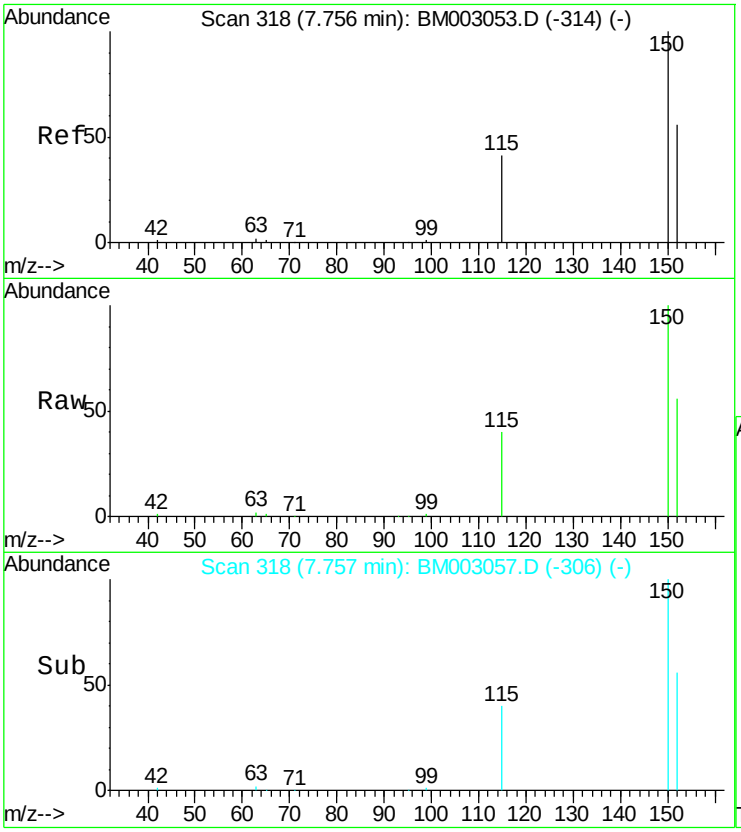
11/5/2015 2:19:00 PM

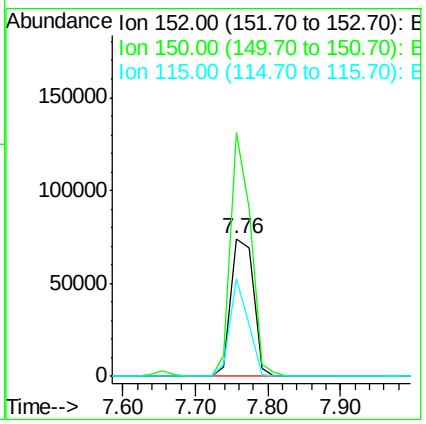




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.76 min Scan# 318
Delta R.T. 0.00 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:152 Resp: 156161

Ion	Ratio	Lower	Upper
152	100		
150	177.2	143.6	215.4
115	70.9	58.5	87.7



Instrument :
BNA_M
ClientSampleId :
ICVBM110415

Manual Integrations APPROVED
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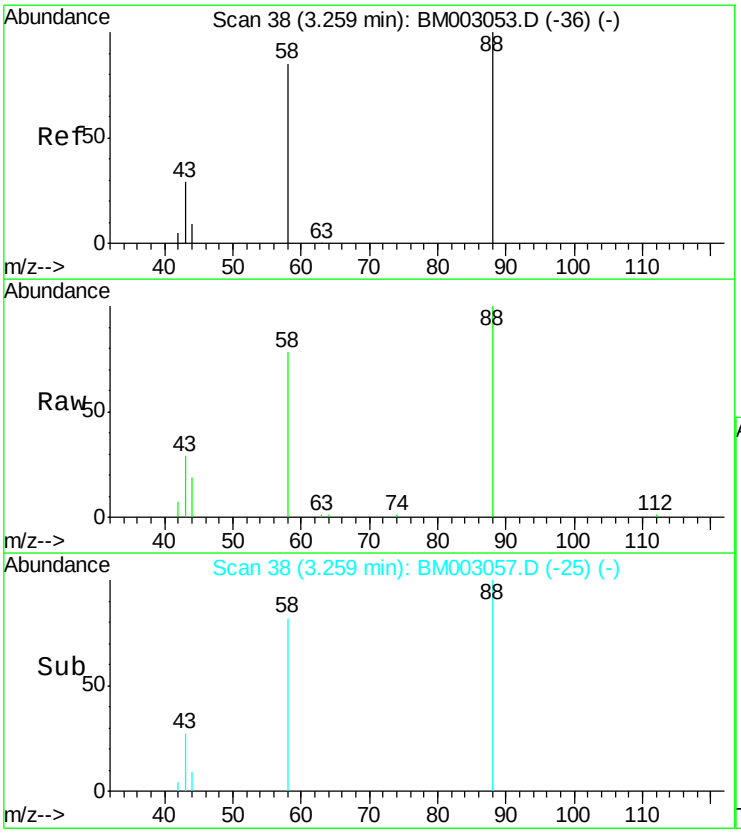
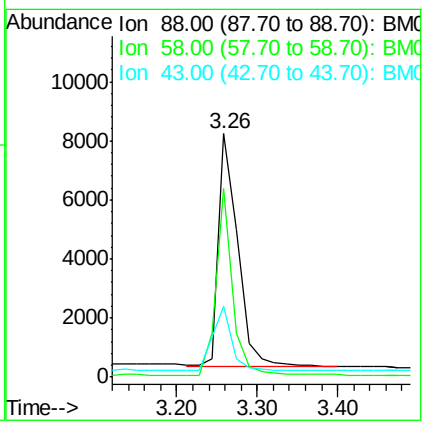
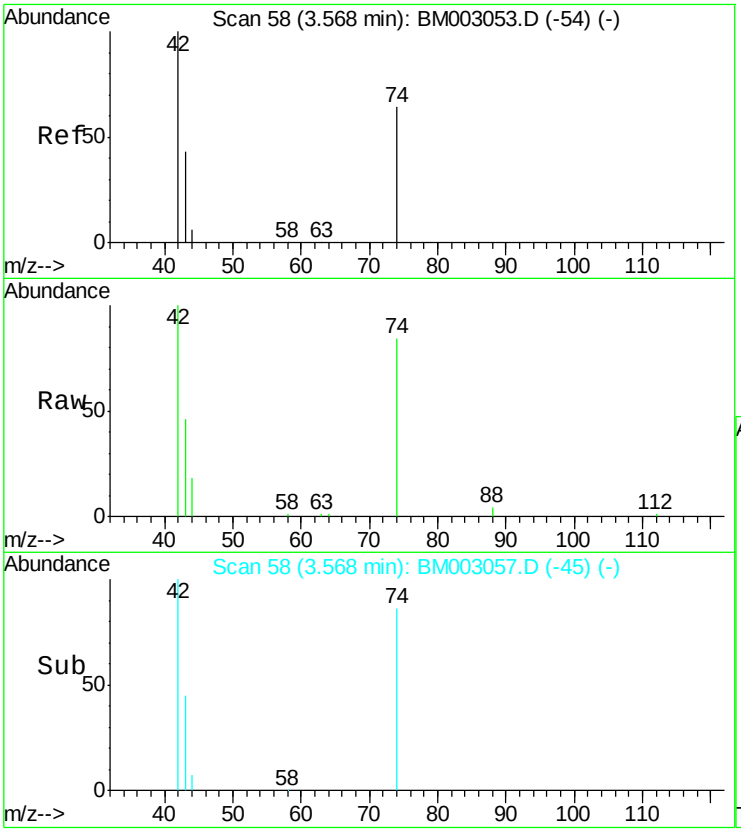


#2
1,4-Dioxane
Concen: 0.90 ng
RT: 3.26 min Scan# 38
Delta R.T. 0.00 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion: 88 Resp: 13110

Ion	Ratio	Lower	Upper
88	100		
58	68.6	55.2	82.8
43	27.5	21.8	32.6

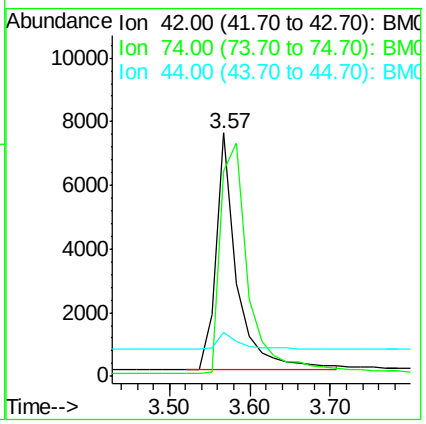




#3
n-Nitrosodimethylamine
Concen: 0.92 ng
RT: 3.57 min Scan# 58
Delta R.T. 0.00 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion: 42 Resp: 13452

Ion	Ratio	Lower	Upper
42	100		
74	130.0	101.0	151.4
44	7.1	6.3	9.5



Instrument :
BNA_M
ClientSampleId :
ICVBM110415

Manual Integrations APPROVED
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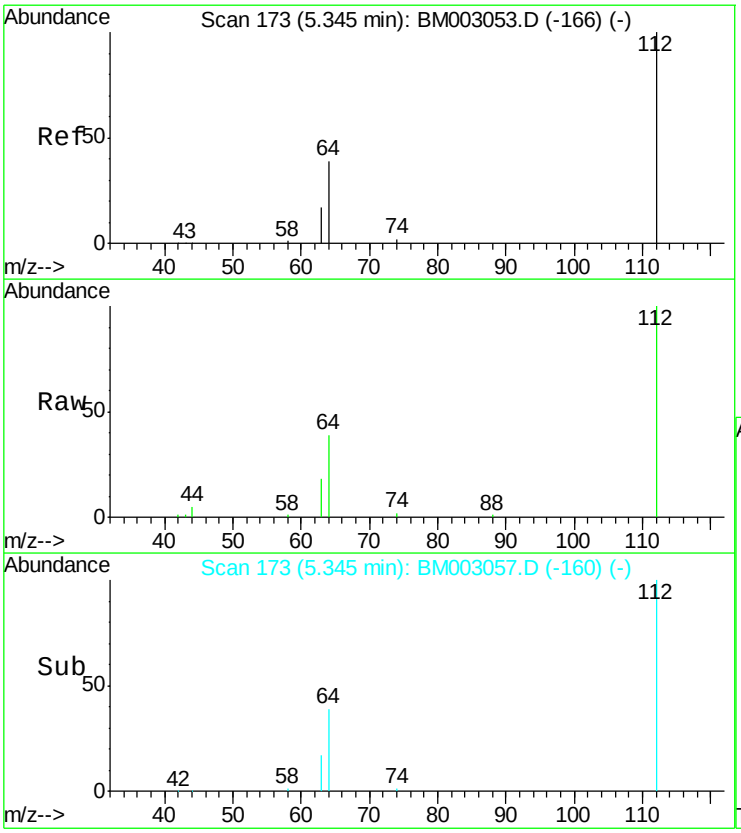
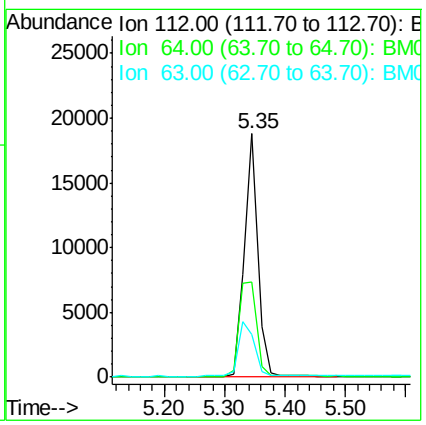
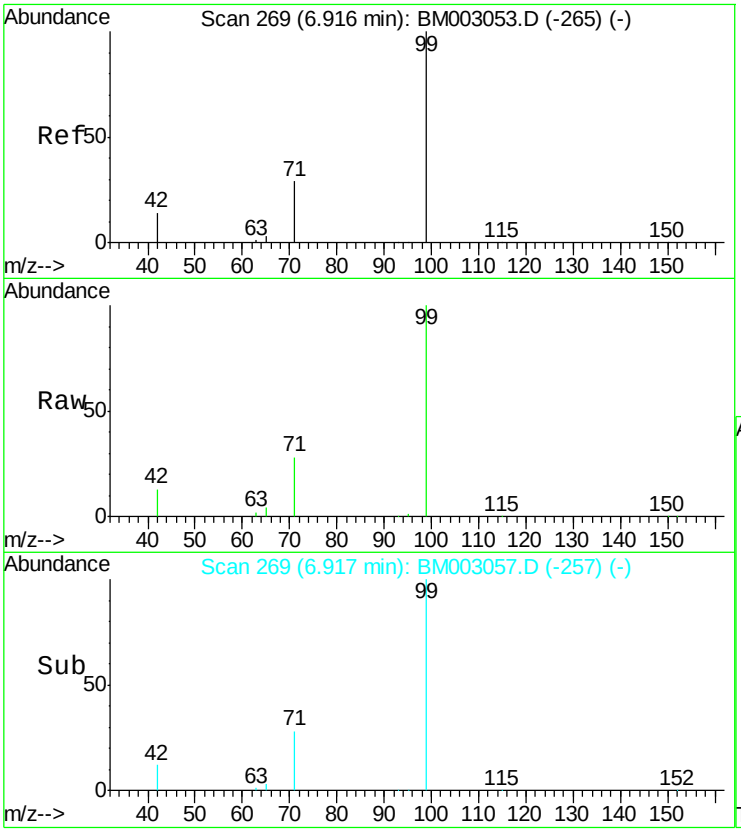


#4
2-Fluorophenol
Concen: 0.88 ng
RT: 5.35 min Scan# 173
Delta R.T. 0.00 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:112 Resp: 29015

Ion	Ratio	Lower	Upper
112	100		
64	51.2	41.2	61.8
63	26.5	21.2	31.8

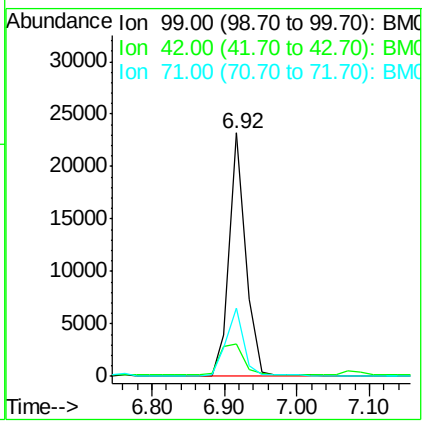




#5
Phenol-d6
Concen: 0.94 ng
RT: 6.92 min Scan# 269
Delta R.T. 0.00 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion: 99 Resp: 36304

Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.6	22.0
71	29.3	23.3	34.9



Instrument :
BNA_M
ClientSampleId :
ICVBM110415

Manual Integrations APPROVED
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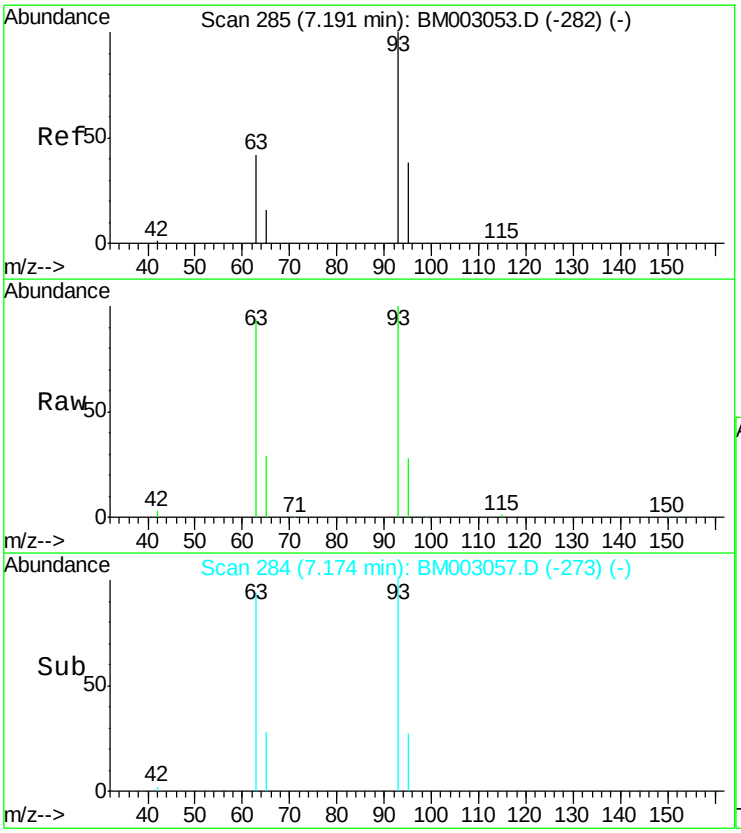
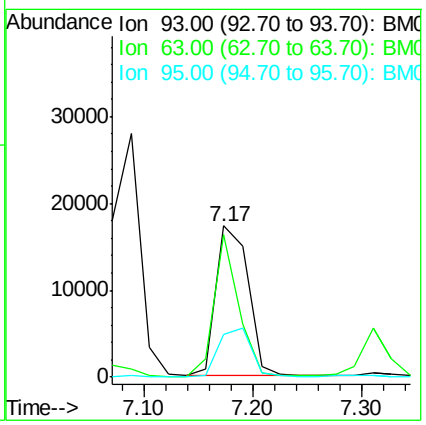
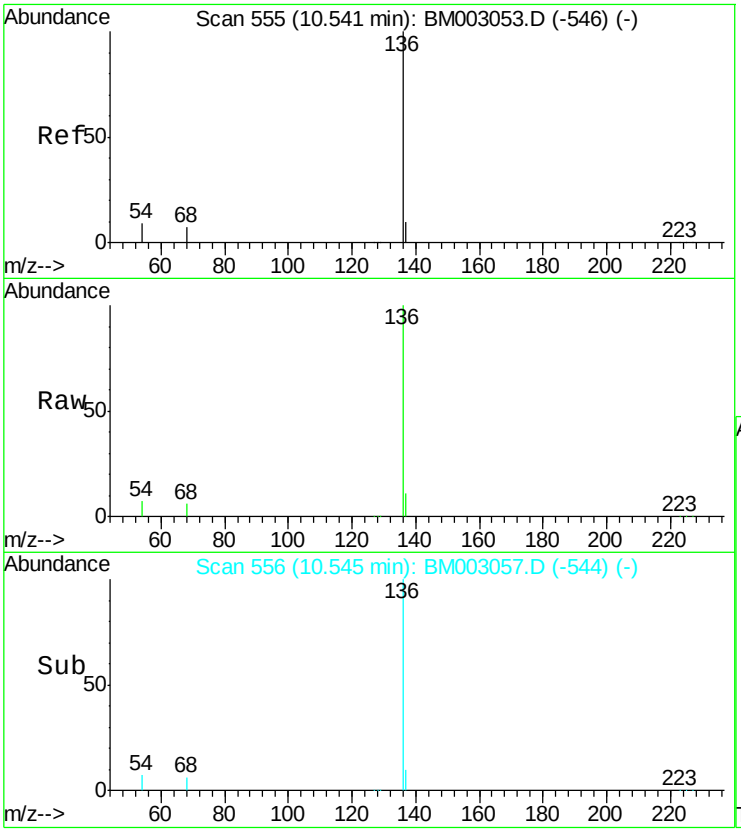


#6
bis(2-Chloroethyl)ether
Concen: 0.96 ng
RT: 7.17 min Scan# 284
Delta R.T. -0.02 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion: 93 Resp: 35346

Ion	Ratio	Lower	Upper
93	100		
63	72.3	58.2	87.4
95	32.5	26.2	39.4

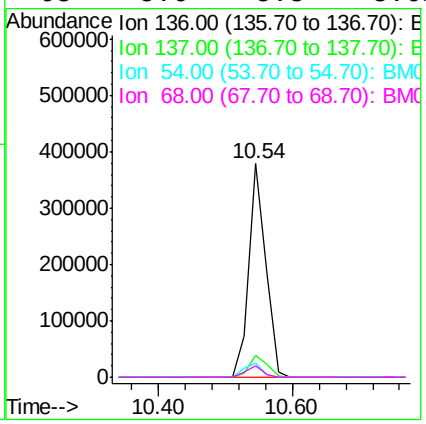




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.54 min Scan# 556
Delta R.T. 0.00 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:136 Resp: 660679

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.0	12.0
54	6.8	7.4	11.0#
68	5.6	5.8	8.6#



Instrument :
BNA_M
ClientSampleId :
ICVBM110415

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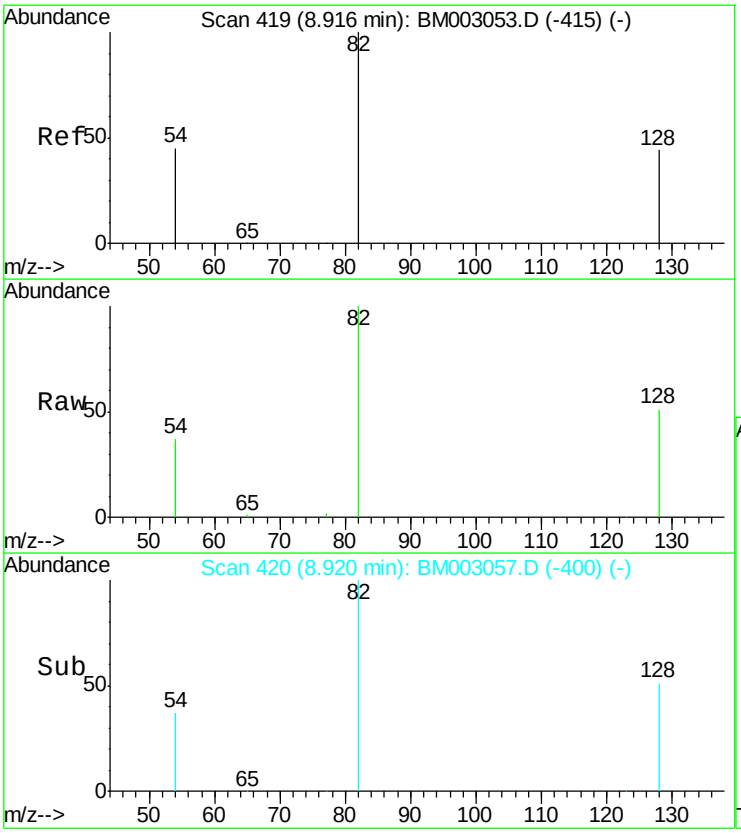
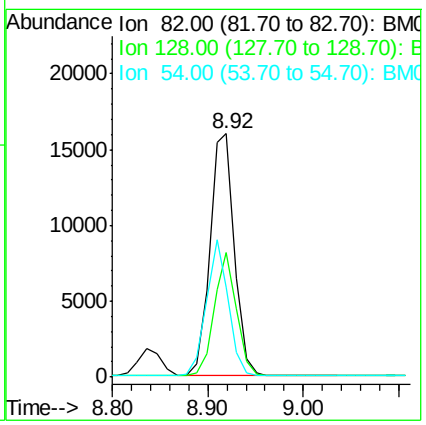
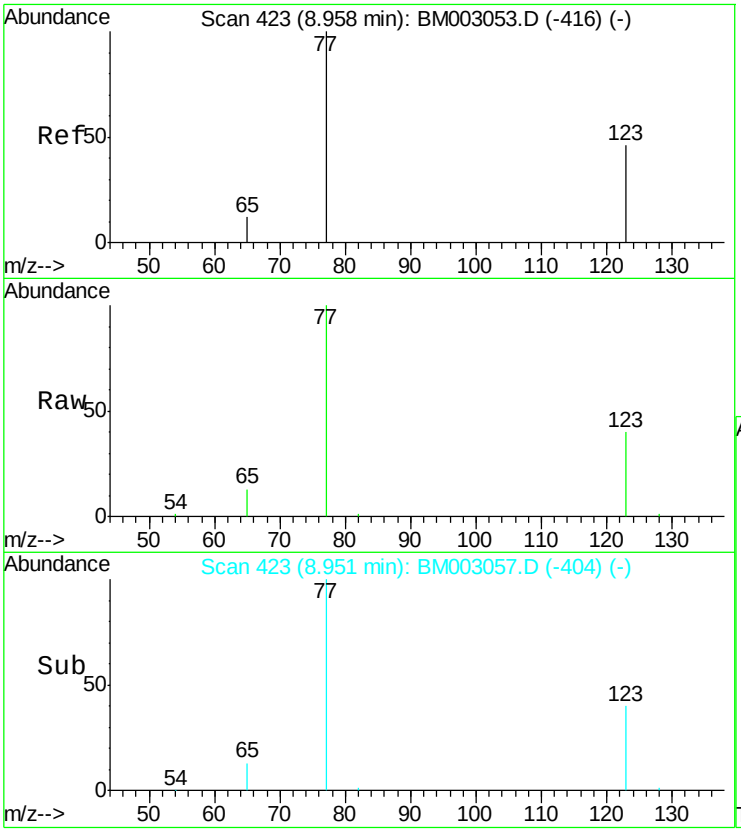


#8
Nitrobenzene-d5
Concen: 0.94 ng
RT: 8.92 min Scan# 420
Delta R.T. 0.00 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion: 82 Resp: 28492

Ion	Ratio	Lower	Upper
82	100		
128	51.2	35.2	52.8
54	37.0	36.4	54.6

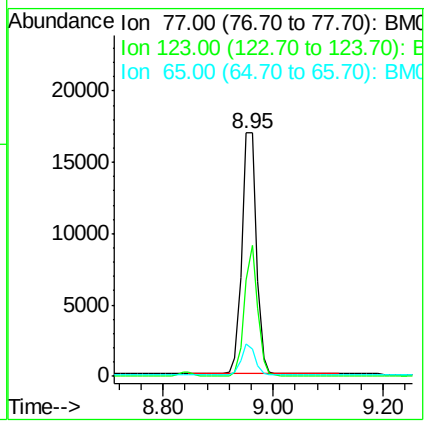




#9
Nitrobenzene
Concen: 0.95 ng
RT: 8.95 min Scan# 423
Delta R.T. -0.01 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion: 77 Resp: 31160

Ion	Ratio	Lower	Upper
77	100		
123	48.3	37.7	56.5
65	12.2	9.8	14.6



Instrument :
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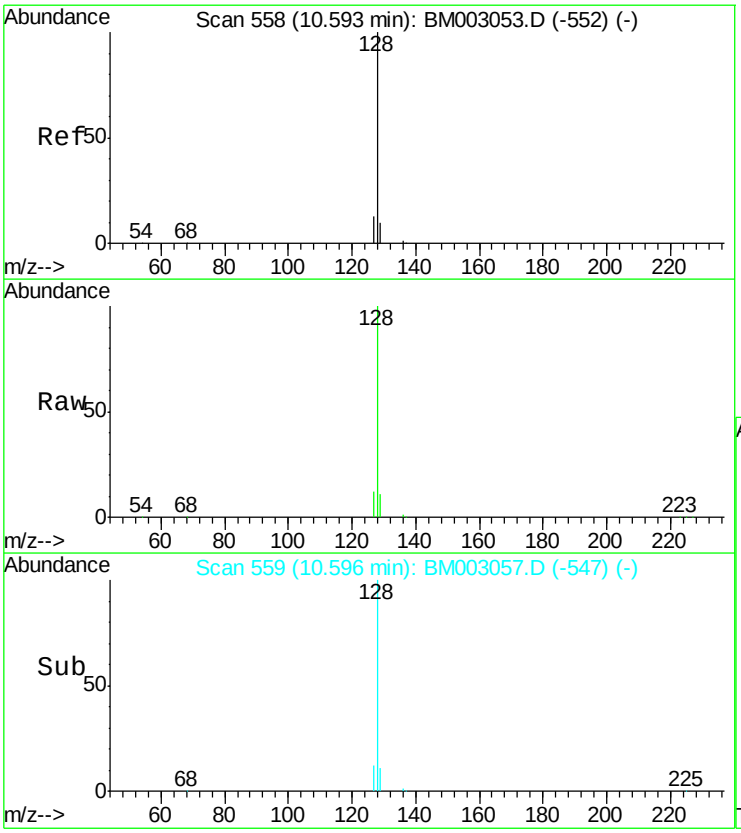
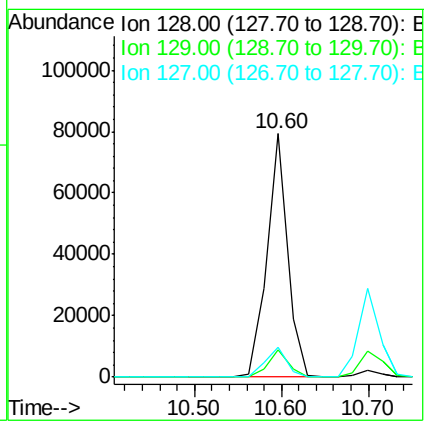
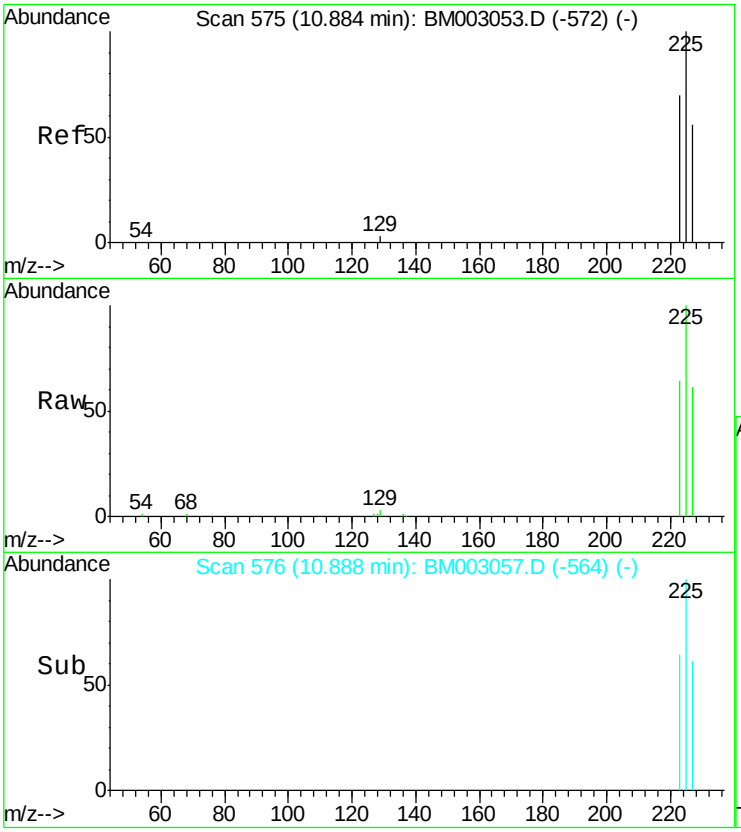


#10
Naphthalene
Concen: 0.93 ng
RT: 10.60 min Scan# 559
Delta R.T. 0.00 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:128 Resp: 131769

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.5	12.7
127	12.2	10.6	16.0

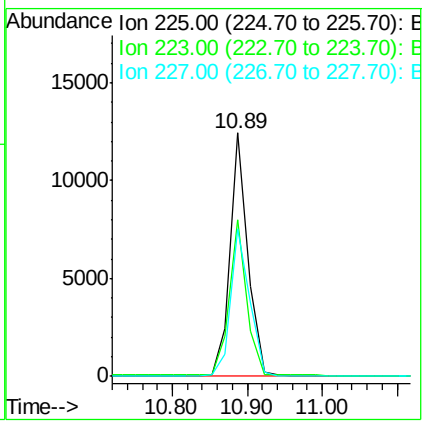




#11
Hexachlorobutadiene
Concen: 0.91 ng
RT: 10.89 min Scan# 576
Delta R.T. 0.00 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:225 Resp: 19937

Ion	Ratio	Lower	Upper
225	100		
223	63.9	53.0	79.4
227	64.5	52.2	78.4



Instrument :
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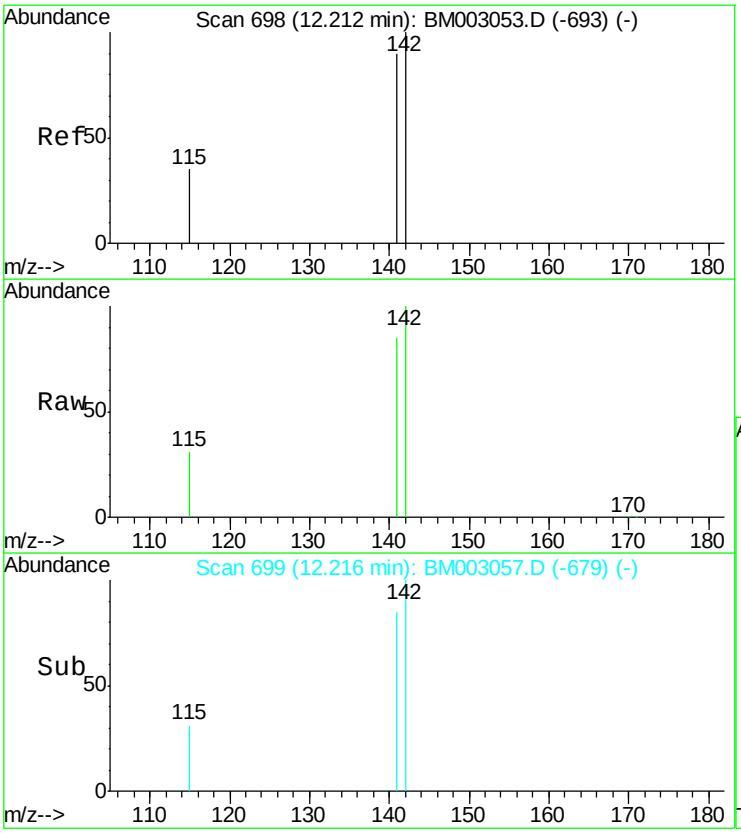
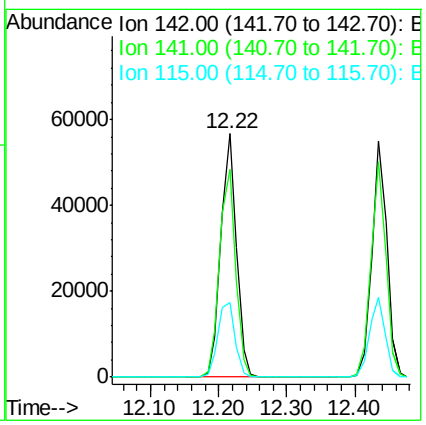
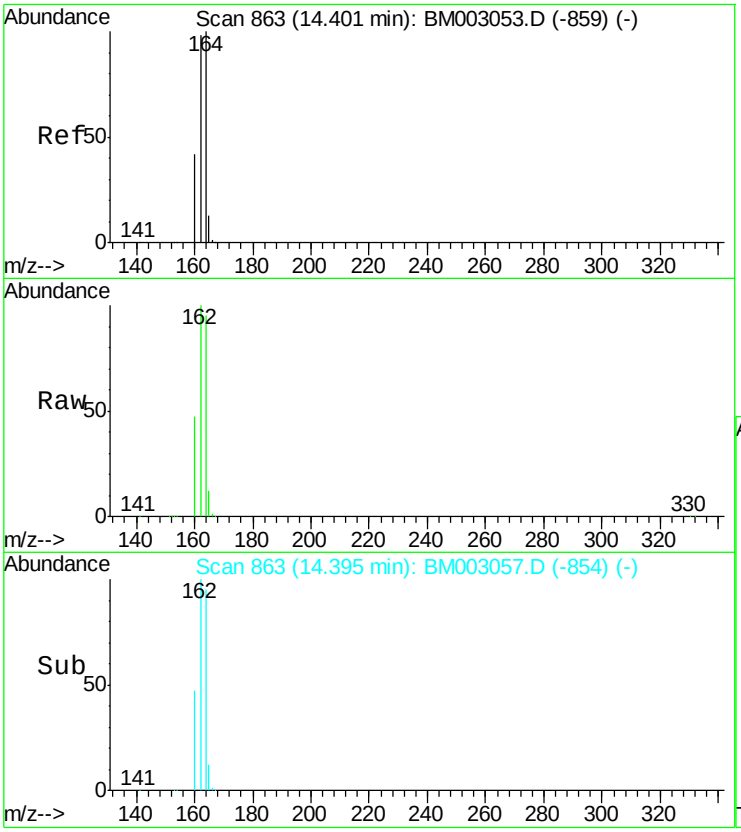


#12
2-Methylnaphthalene
Concen: 0.97 ng
RT: 12.22 min Scan# 699
Delta R.T. 0.00 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:142 Resp: 88674

Ion	Ratio	Lower	Upper
142	100		
141	85.2	72.2	108.2
115	30.6	28.0	42.0

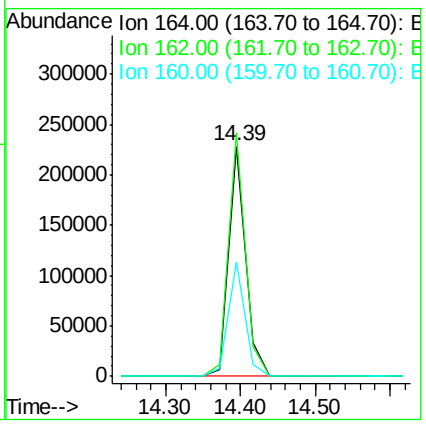




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.39 min Scan# 863
Delta R.T. -0.01 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:164 Resp: 359544

Ion	Ratio	Lower	Upper
164	100		
162	105.8	78.3	117.5
160	49.5	33.8	50.6



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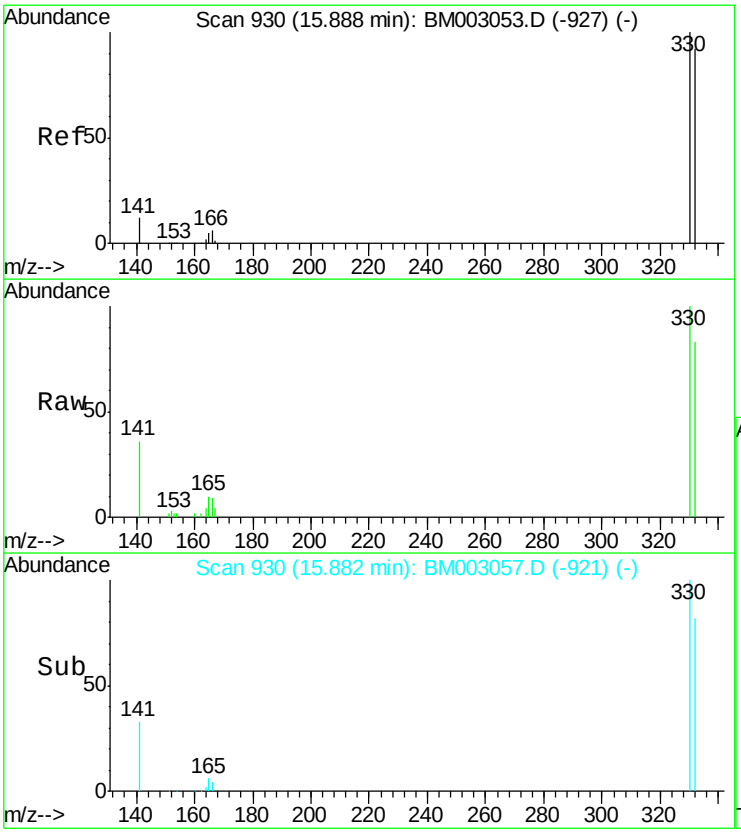
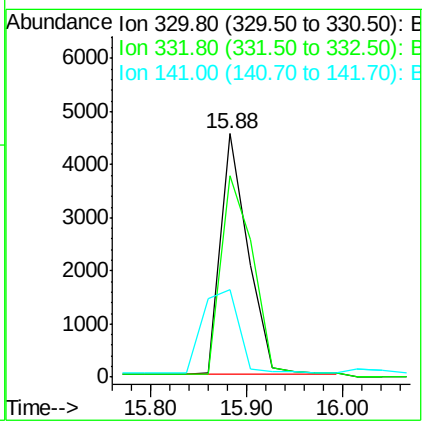
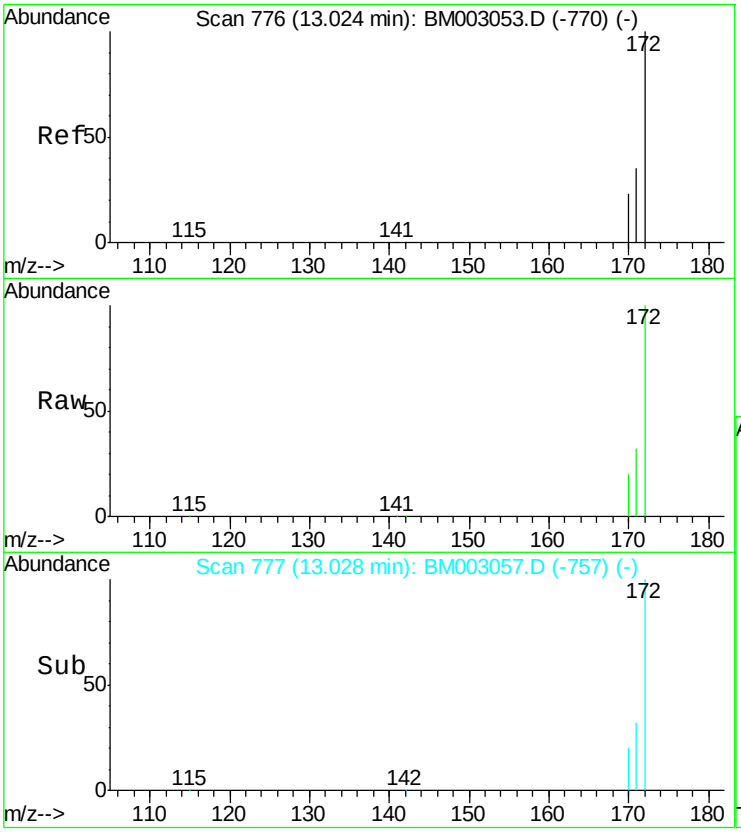


#14
2,4,6-Tribromophenol
Concen: 0.99 ng
RT: 15.88 min Scan# 930
Delta R.T. -0.01 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:330 Resp: 9193

Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.0	114.0
141	44.6	0.0	0.0#

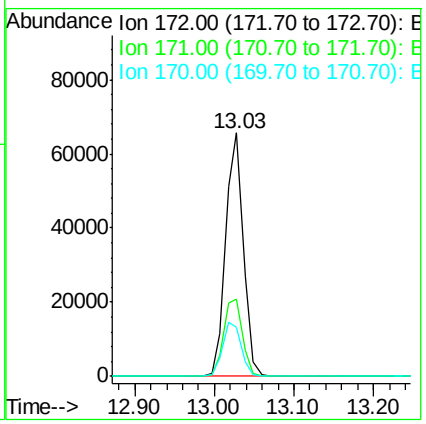




#15
2-Fluorobiphenyl
Concen: 0.88 ng
RT: 13.03 min Scan# 777
Delta R.T. 0.00 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:172 Resp: 100235

Ion	Ratio	Lower	Upper
172	100		
171	31.9	28.0	42.0
170	19.9	18.9	28.3



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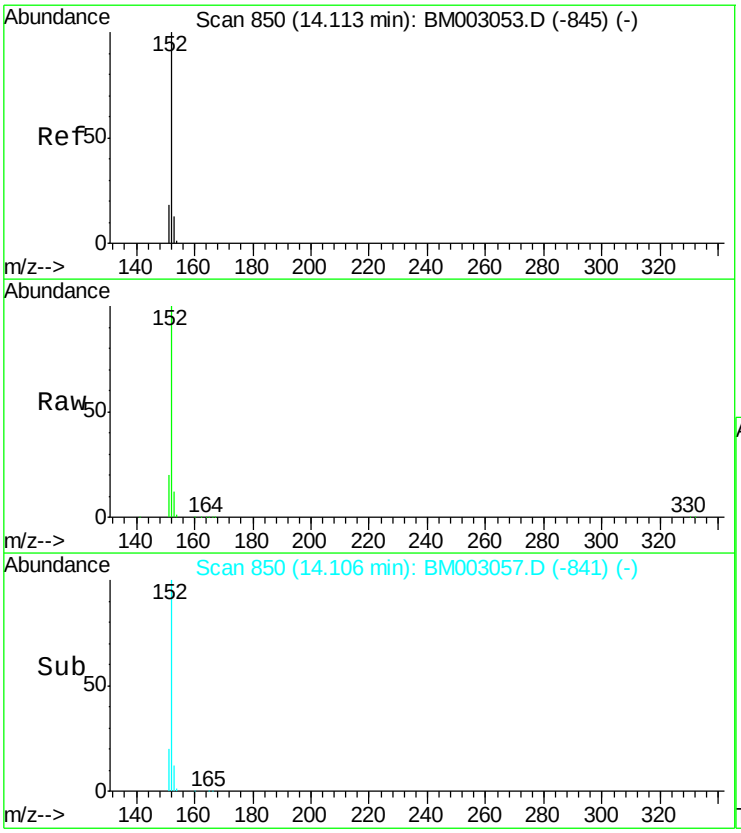
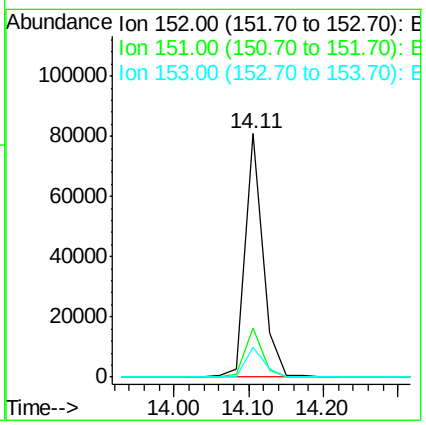
Mmdadoda
11/5/2015 2:19:00 PM

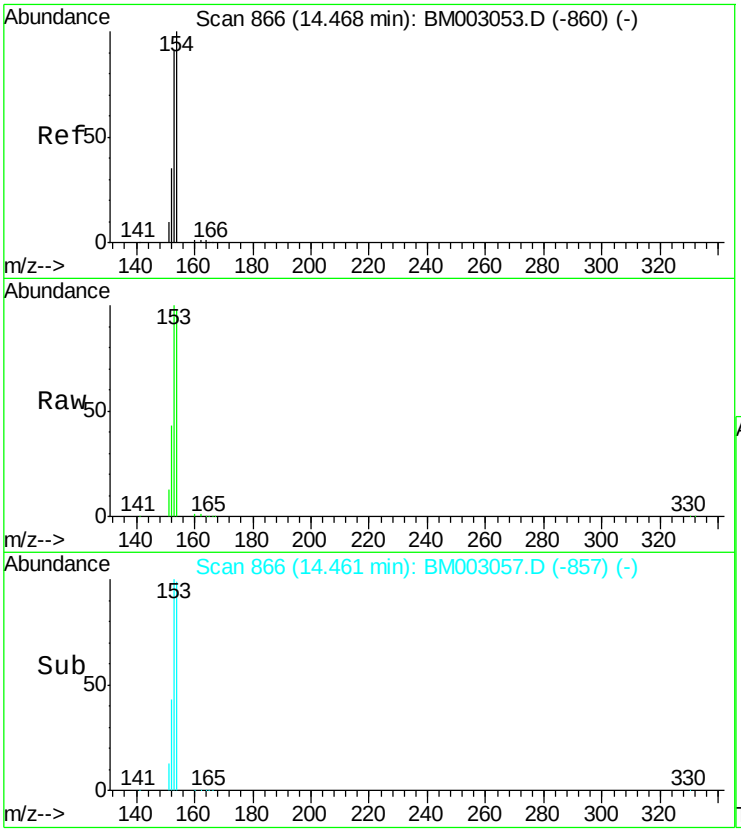


#16
Acenaphthylene
Concen: 0.95 ng
RT: 14.11 min Scan# 850
Delta R.T. -0.01 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:152 Resp: 133565

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.2	22.8
153	12.8	10.4	15.6

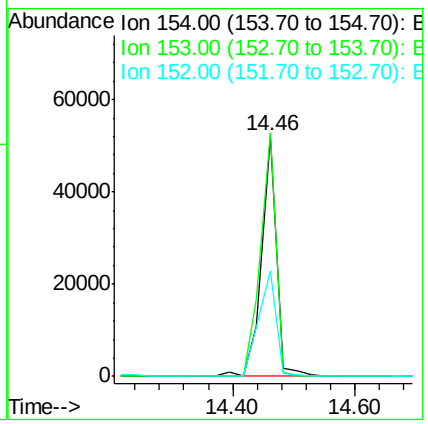




#17
Acenaphthene
Concen: 0.93 ng
RT: 14.46 min Scan# 866
Delta R.T. -0.01 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:154 Resp: 89352

Ion	Ratio	Lower	Upper
154	100		
153	105.3	0.0	0.0#
152	50.4	0.0	0.0#



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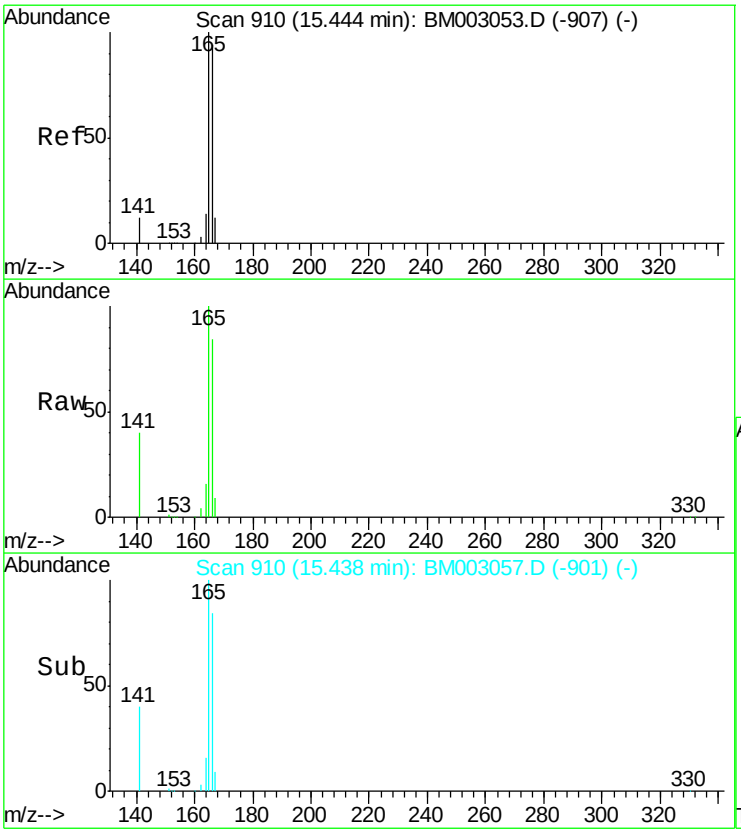
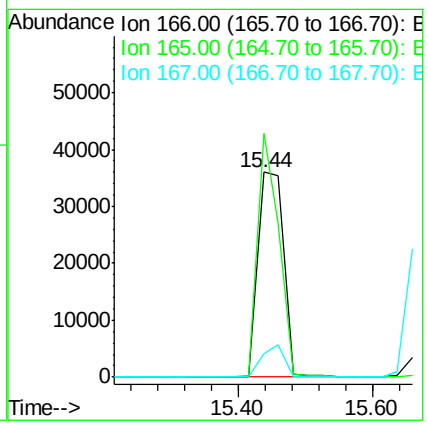
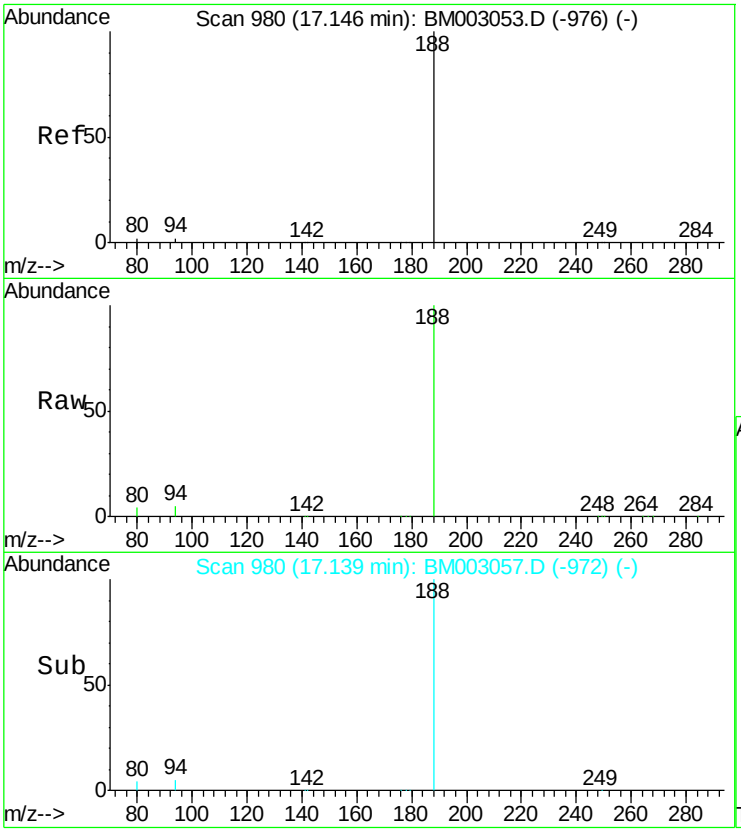


#18
Fluorene
Concen: 0.94 ng
RT: 15.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:166 Resp: 96337

Ion	Ratio	Lower	Upper
166	100		
165	97.8	80.8	121.2
167	0.0	10.5	15.7#





#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 980
Delta R.T. -0.01 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:188 Resp: 833057

Ion	Ratio	Lower	Upper
188	100		
94	4.7	1.8	2.6#
80	3.9	1.4	2.0#

Instrument :
BNA_M
ClientSampleId :
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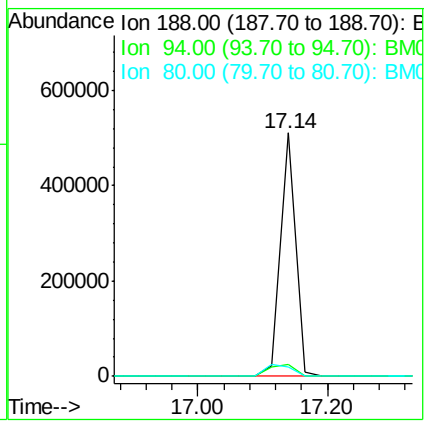
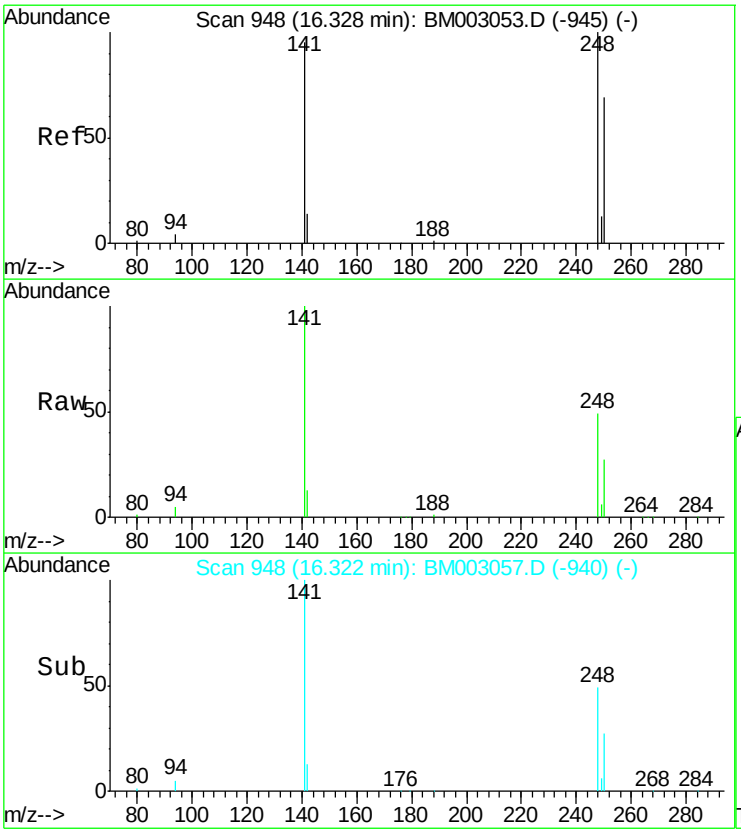
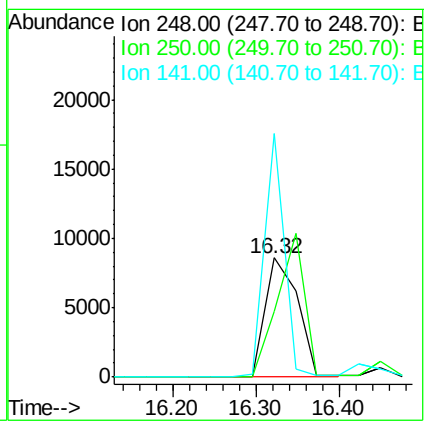


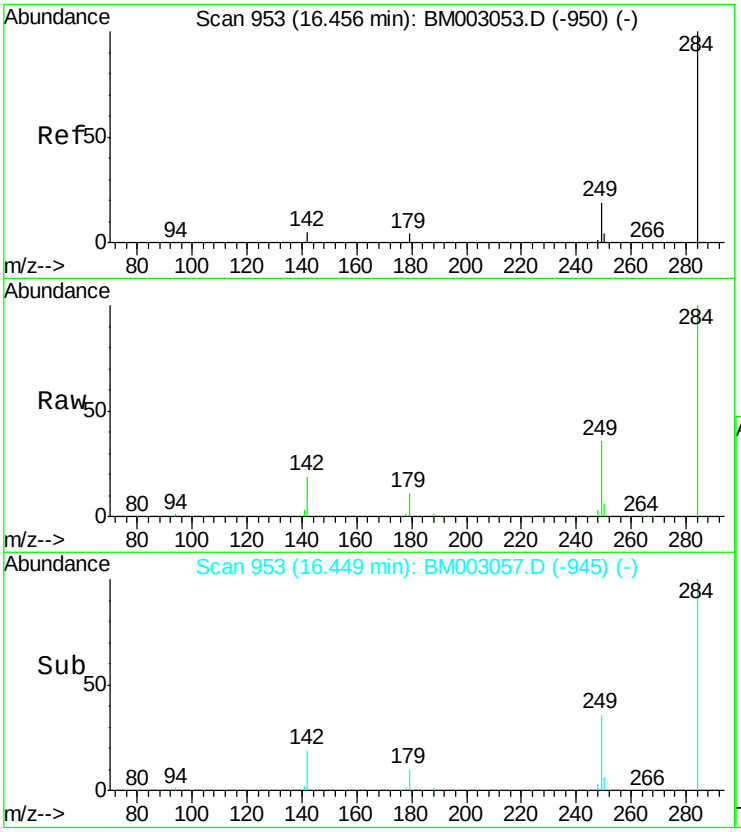


#20
4-Bromophenyl-phenylether
Concen: 0.87 ng
RT: 16.32 min Scan# 948
Delta R.T. -0.01 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:248 Resp: 22727

Ion	Ratio	Lower	Upper
248	100		
250	0.0	65.4	98.0#
141	123.1	72.8	109.2#

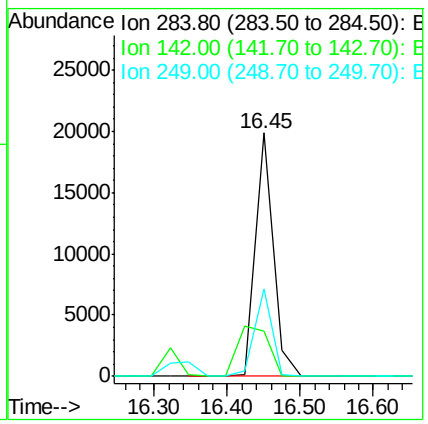




#21
Hexachlorobenzene
Concen: 0.91 ng
RT: 16.45 min Scan# 953
Delta R.T. -0.01 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:284 Resp: 33820

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	34.3	19.4	29.2#



Instrument :
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ClientSampleId :
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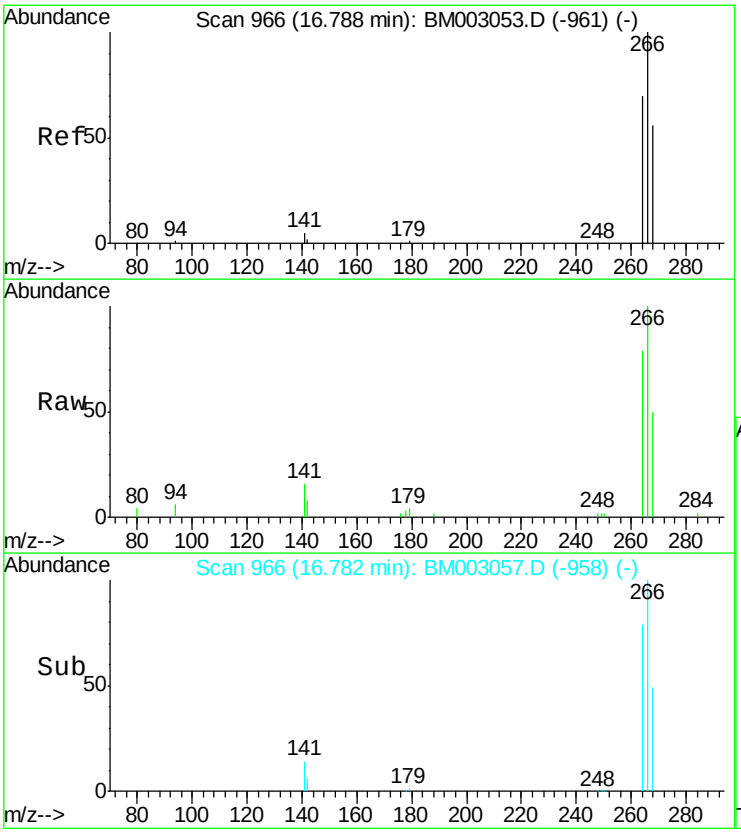
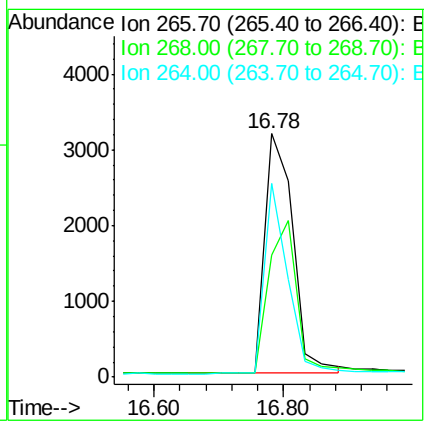
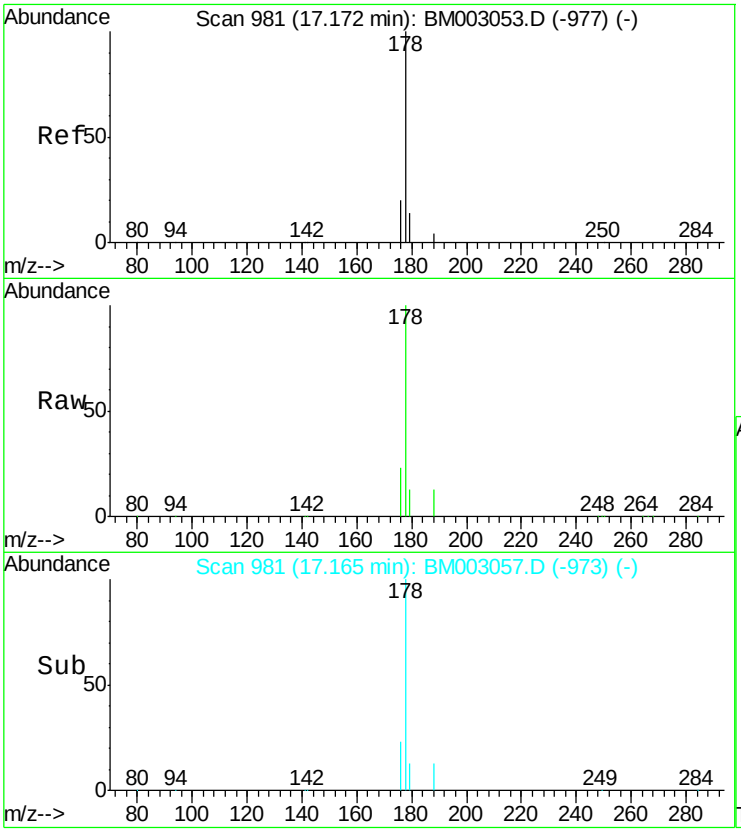


#22
Pentachlorophenol
Concen: 0.89 ng
RT: 16.78 min Scan# 966
Delta R.T. -0.01 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:266 Resp: 9450

Ion	Ratio	Lower	Upper
266	100		
268	50.0	45.8	68.8
264	79.4	56.7	85.1

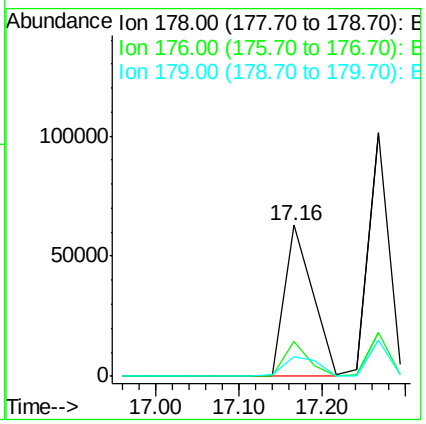




#23
Phenanthrene
Concen: 0.87 ng
RT: 17.16 min Scan# 981
Delta R.T. -0.01 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:178 Resp: 147600

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.9	23.9
179	15.2	11.7	17.5



Instrument :
BNA_M
ClientSampleId :
ICVBM110415

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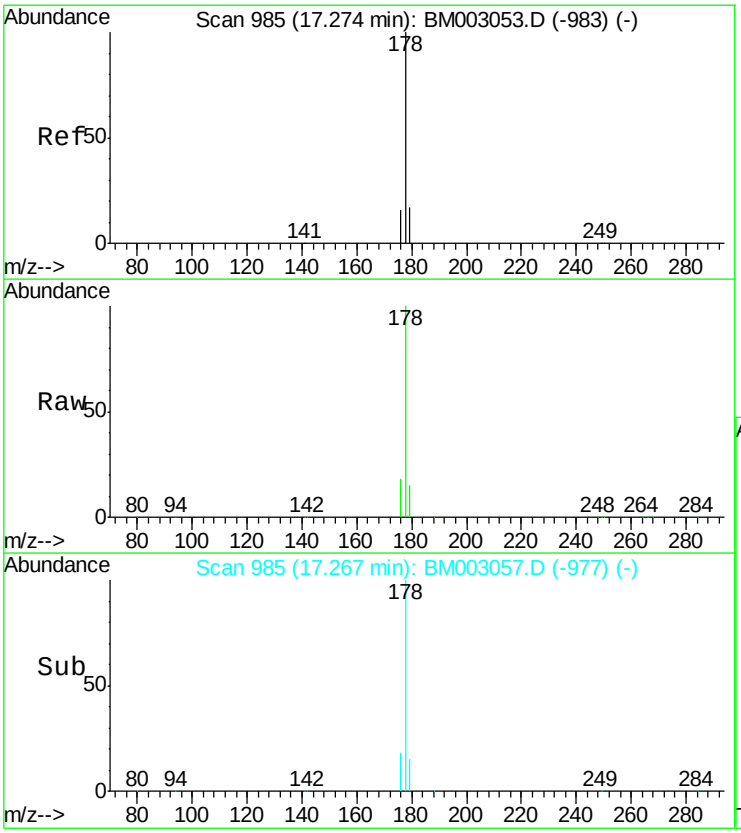
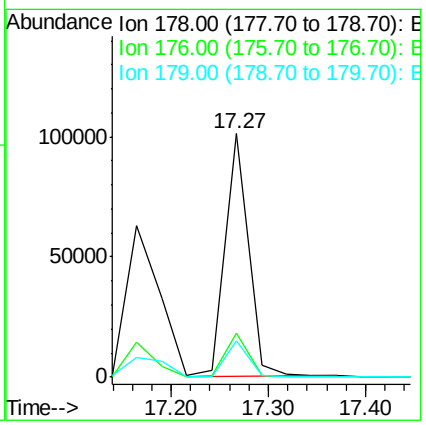
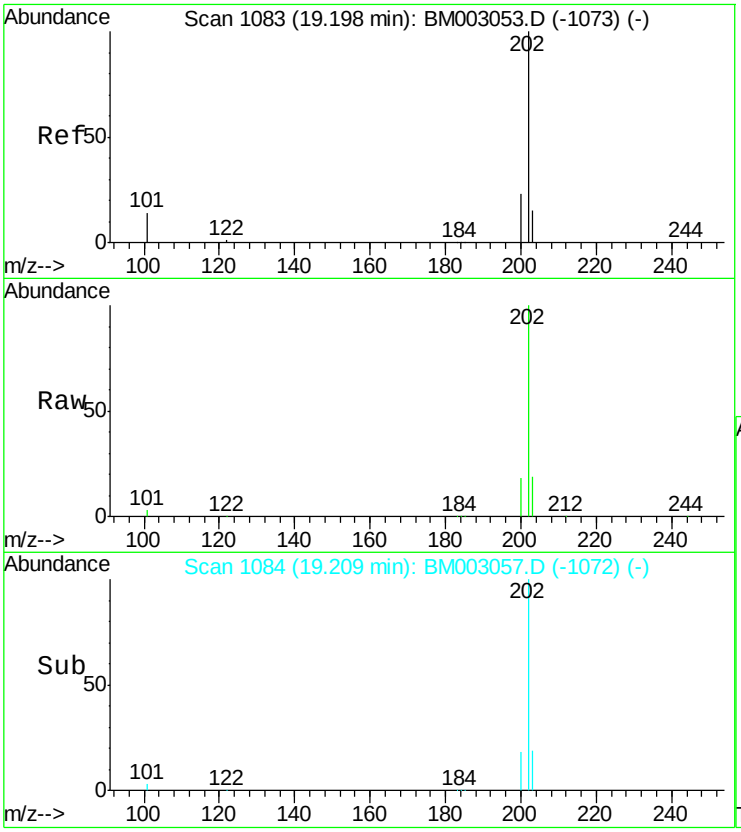


#24
Anthracene
Concen: 0.95 ng
RT: 17.27 min Scan# 985
Delta R.T. -0.01 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:178 Resp: 167934

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.1	21.1
179	15.0	12.8	19.2

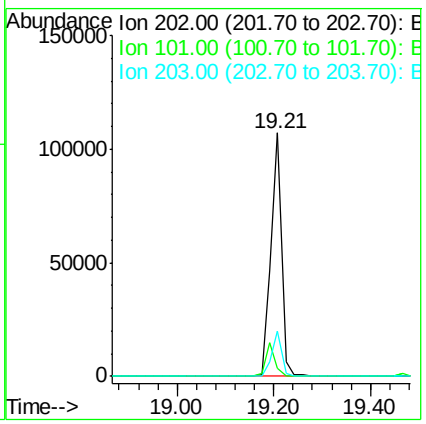




#25
Fluoranthene
Concen: 0.95 ng
RT: 19.21 min Scan# 1084
Delta R.T. 0.01 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:202 Resp: 166593

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.9	14.9
203	17.4	13.9	20.9



Instrument :
BNA_M
ClientSampleId :
ICVBM110415

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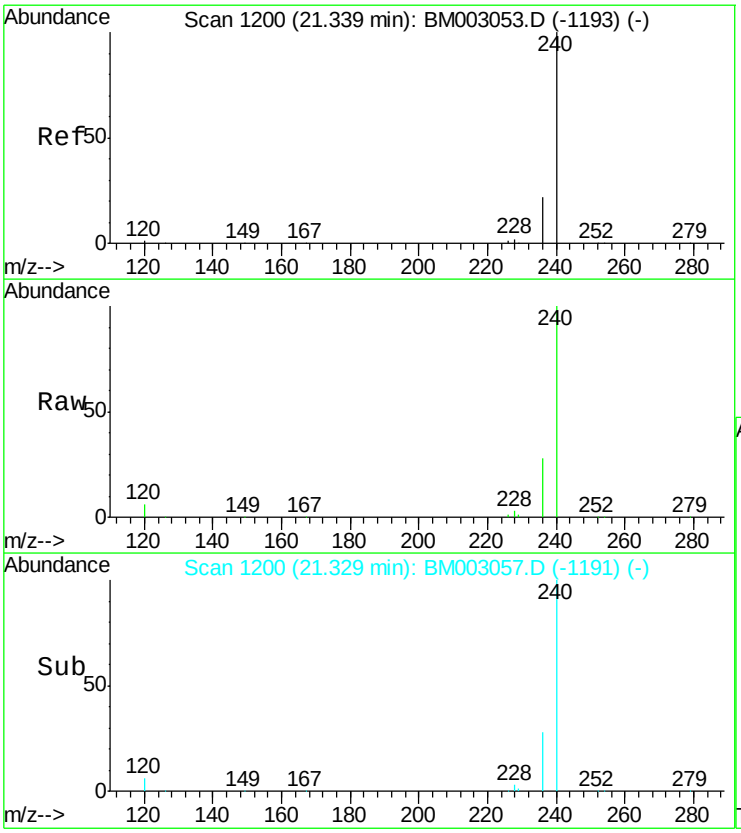
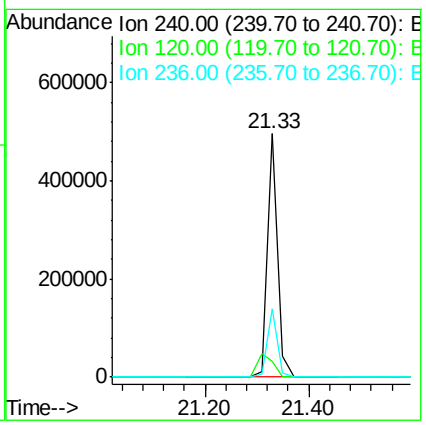
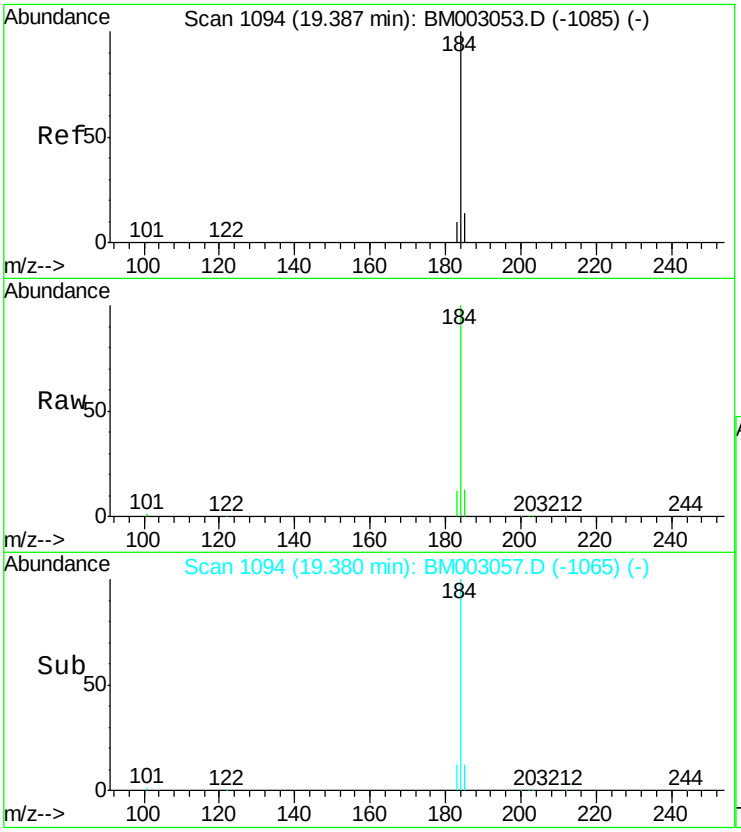


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.33 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:240 Resp: 680906

Ion	Ratio	Lower	Upper
240	100		
120	6.3	1.0	1.4#
236	28.1	17.9	26.9#

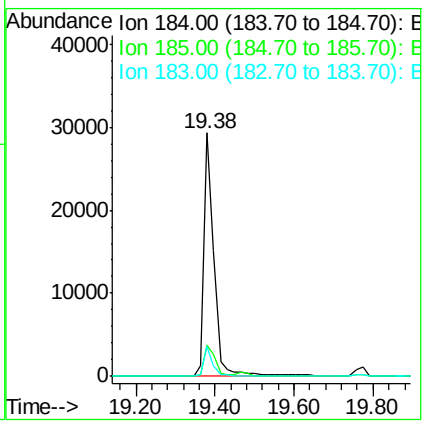




#27
Benzidine
Concen: 0.99 ng
RT: 19.38 min Scan# 1094
Delta R.T. -0.01 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:184 Resp: 52056

Ion	Ratio	Lower	Upper
184	100		
185	12.7	11.6	17.4
183	12.1	8.6	13.0



Instrument :
BNA_M
ClientSampleId :
ICVBM110415

Manual Integrations APPROVED
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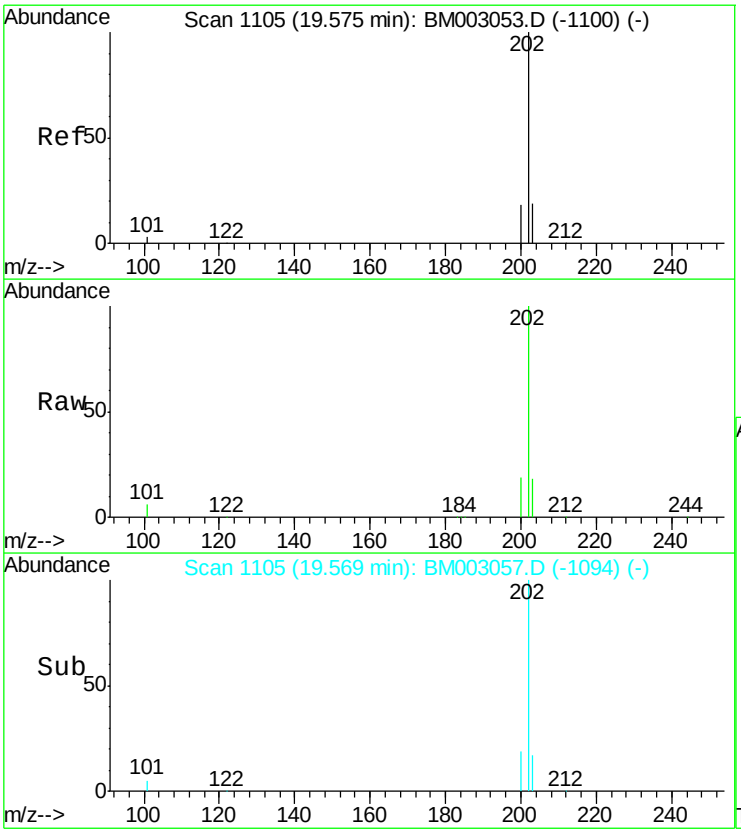
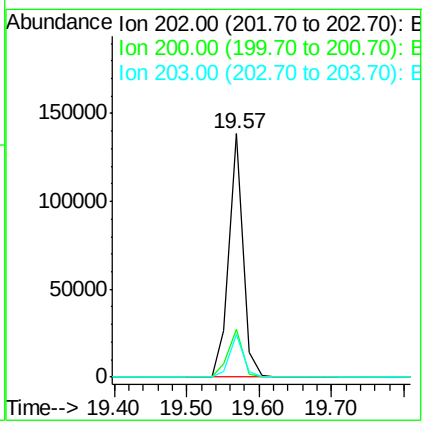
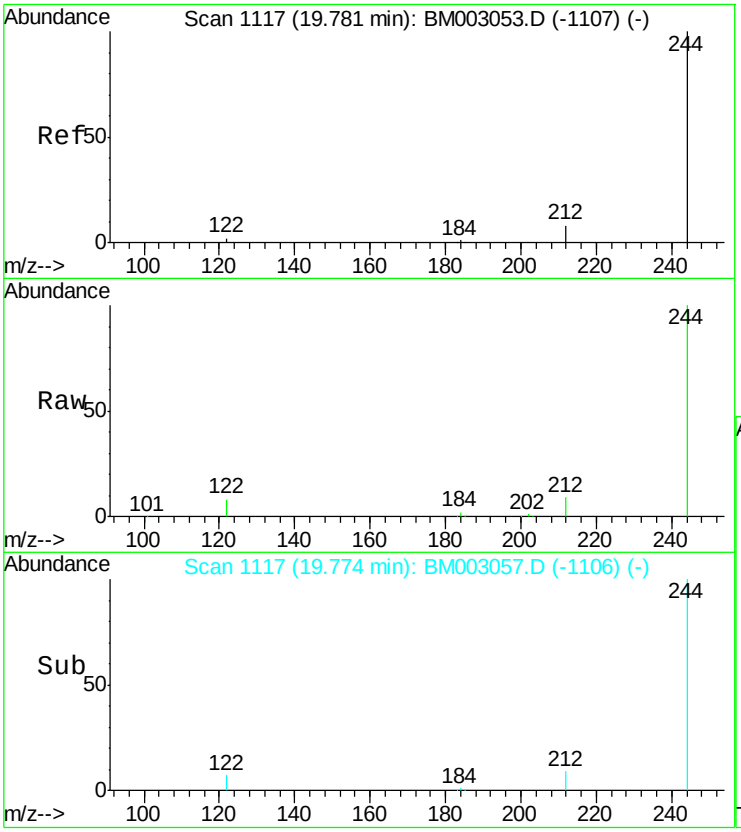


#28
Pyrene
Concen: 0.94 ng
RT: 19.57 min Scan# 1105
Delta R.T. -0.01 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:202 Resp: 185602

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.7	25.1
203	17.4	13.8	20.6





#29
Terphenyl-d14
Concen: 0.92 ng
RT: 19.77 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:244 Resp: 90510

Ion	Ratio	Lower	Upper
244	100		
212	9.4	6.5	9.7
122	7.6	2.0	3.0#

Instrument :
BNA_M
ClientSampleId :
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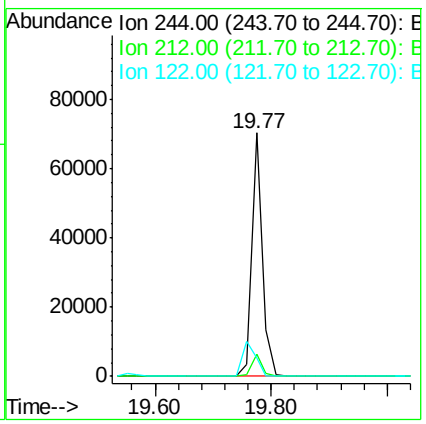
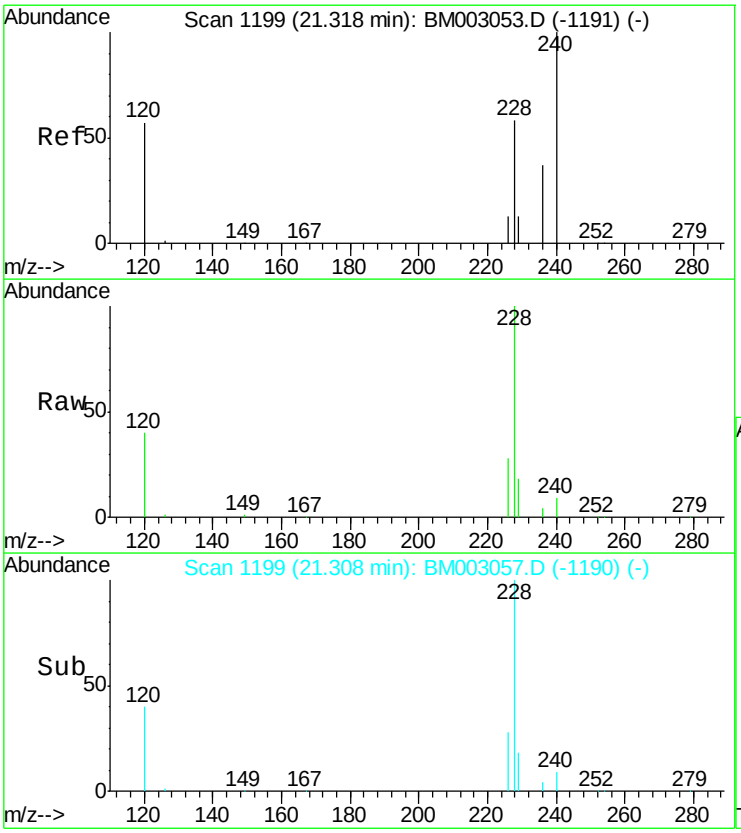
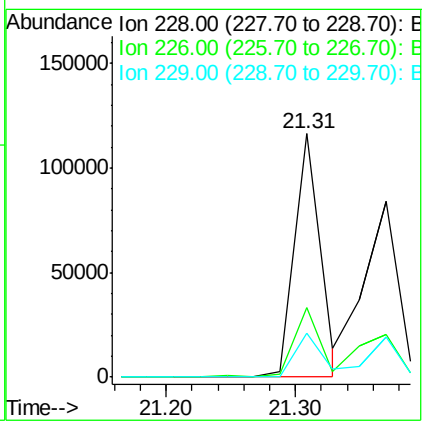


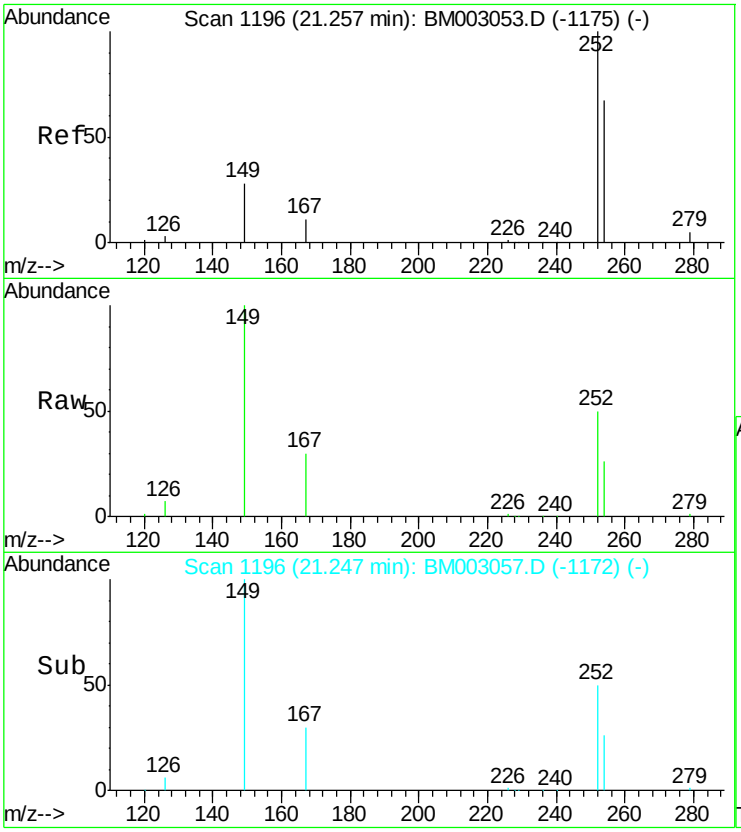


#30
Benzo(a)anthracene
Concen: 0.96 ng m
RT: 21.31 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:228 Resp: 164284

Ion	Ratio	Lower	Upper
228	100		
226	28.3	17.8	26.6#
229	17.8	18.0	27.0#

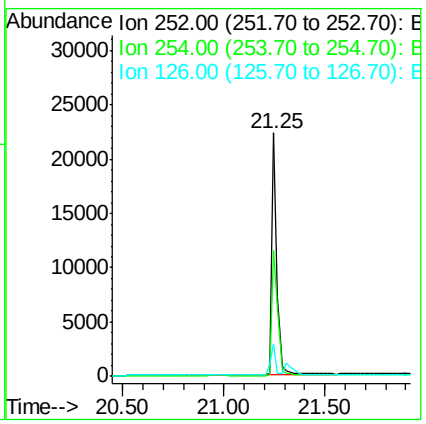




#31
3,3'-Dichlorobenzidine
Concen: 0.94 ng
RT: 21.25 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:252 Resp: 40014

Ion	Ratio	Lower	Upper
252	100		
254	51.7	53.7	80.5#
126	13.1	2.8	4.2#



Instrument :
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ClientSampleId :
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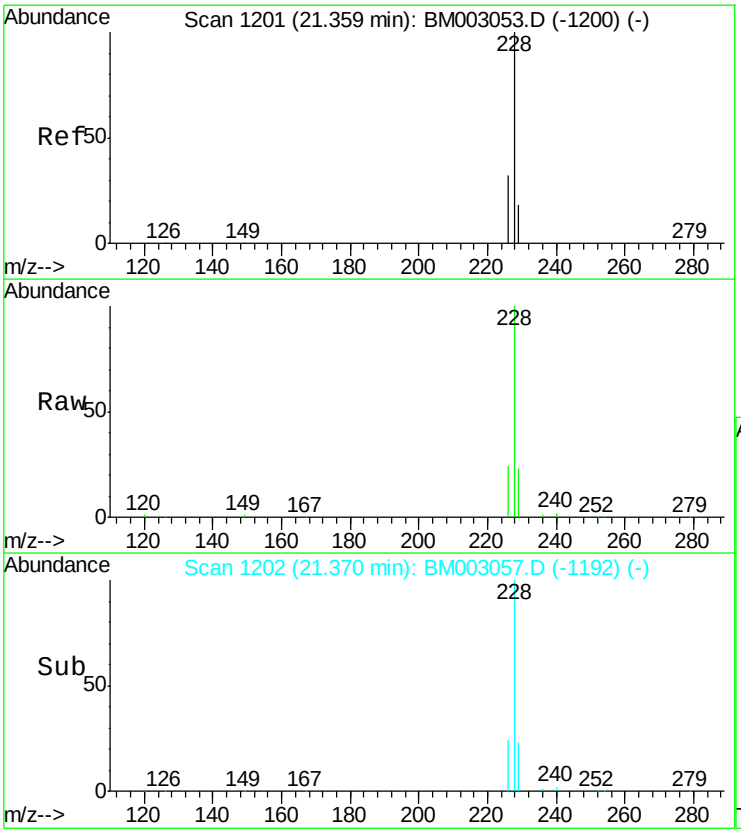
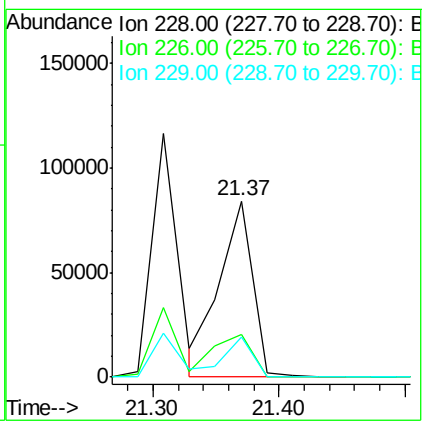
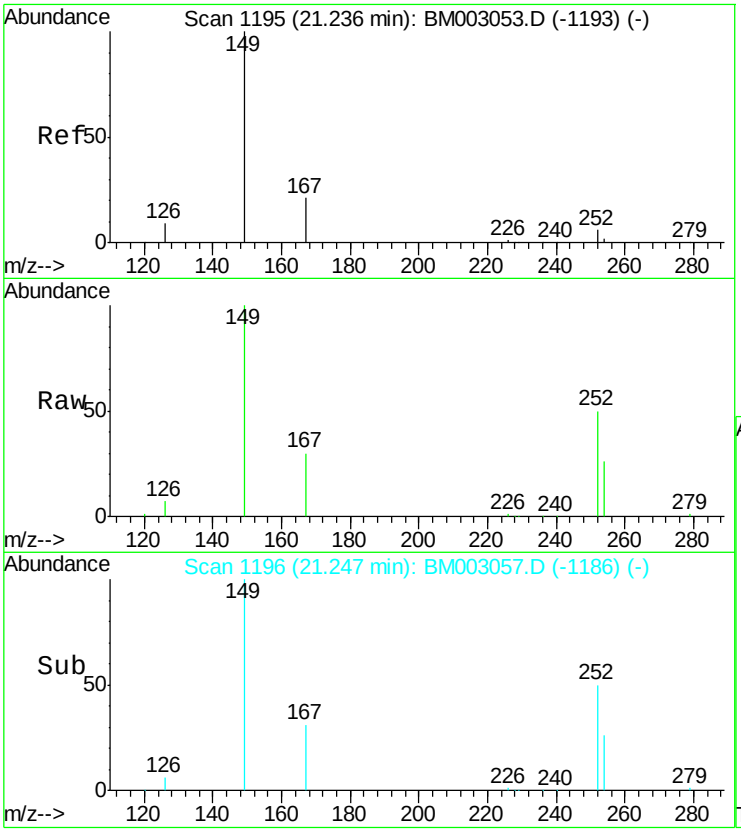


#32
Chrysene
Concen: 0.83 ng m
RT: 21.37 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:228 Resp: 153148

Ion	Ratio	Lower	Upper
228	100		
226	24.1	25.5	38.3#
229	22.6	14.3	21.5#





#33
Bis(2-ethylhexyl)phthalate
Concen: 0.90 ng
RT: 21.25 min Scan# 1196
Delta R.T. 0.01 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Instrument :
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ClientSampleId :
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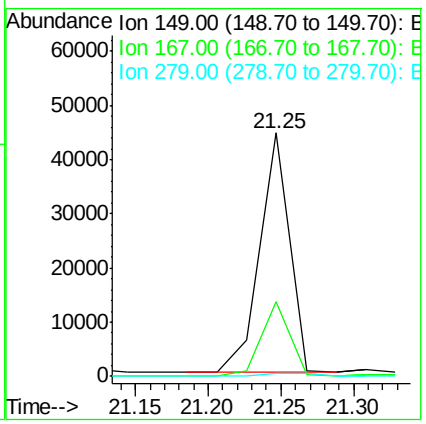
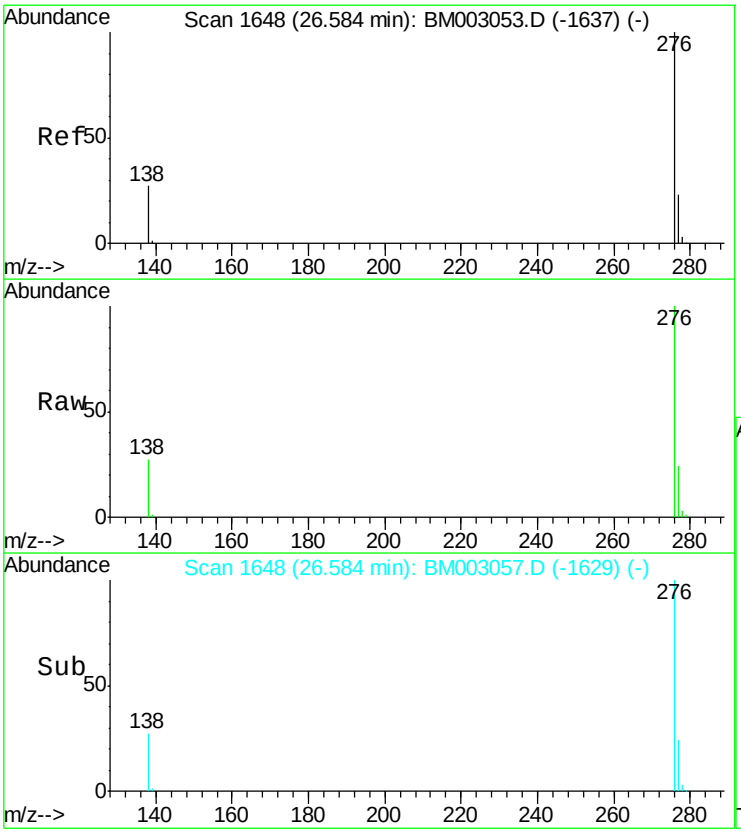
Tgt Ion:149 Resp: 62487

Ion	Ratio	Lower	Upper
149	100		
167	29.0	19.6	29.4
279	2.1	0.0	0.0#

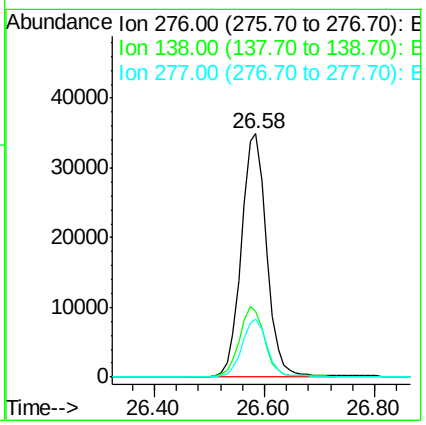


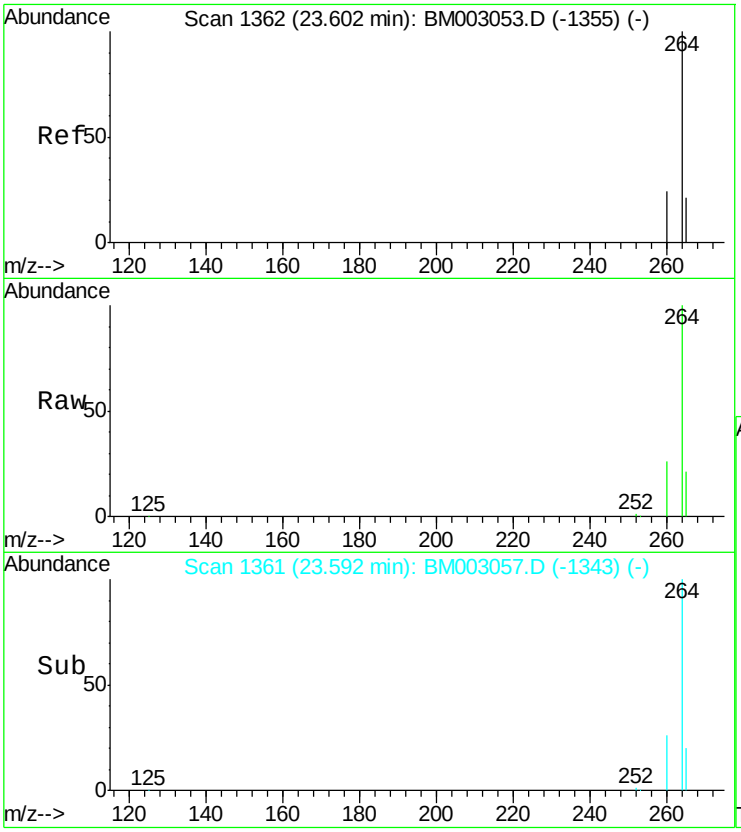


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.80 ng
RT: 26.58 min Scan# 1648
Delta R.T. 0.00 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:276 Resp: 111413

Ion	Ratio	Lower	Upper
276	100		
138	28.3	22.6	33.8
277	23.4	18.7	28.1

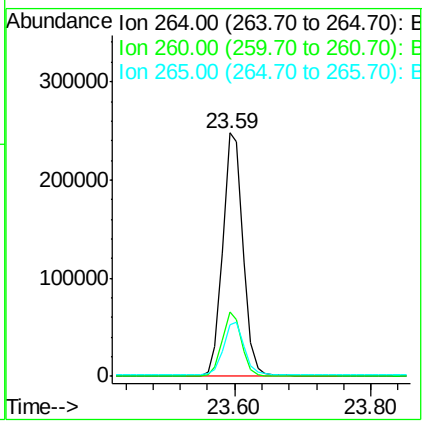




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.59 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:264 Resp: 511605

Ion	Ratio	Lower	Upper
264	100		
260	26.4	19.6	29.4
265	21.0	18.4	27.6



Instrument :
BNA_M
ClientSampleId :
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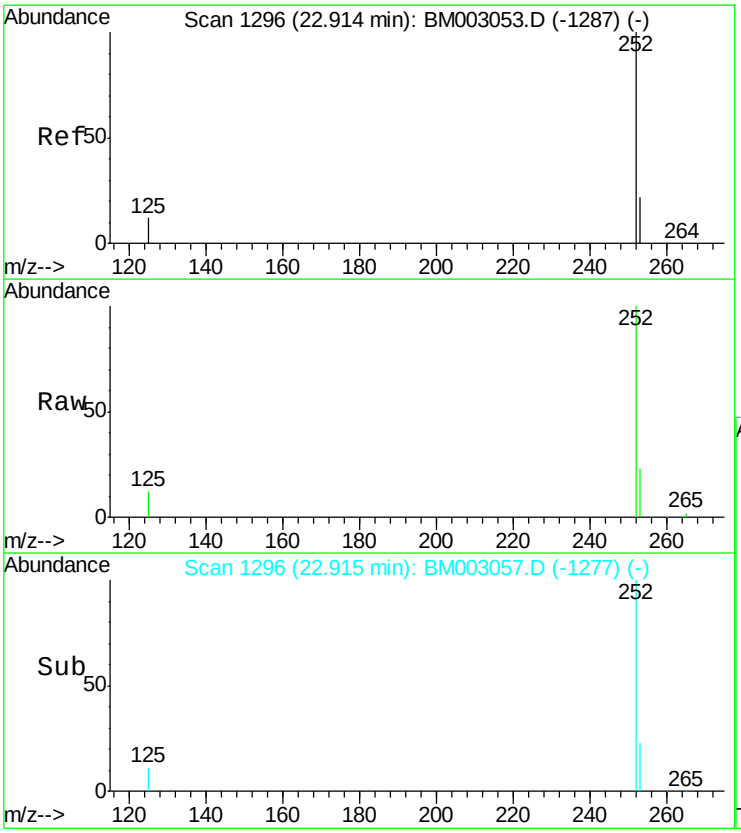
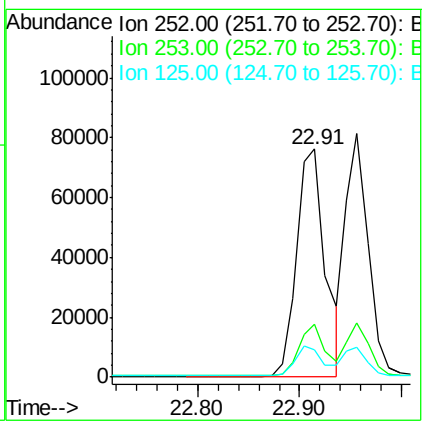
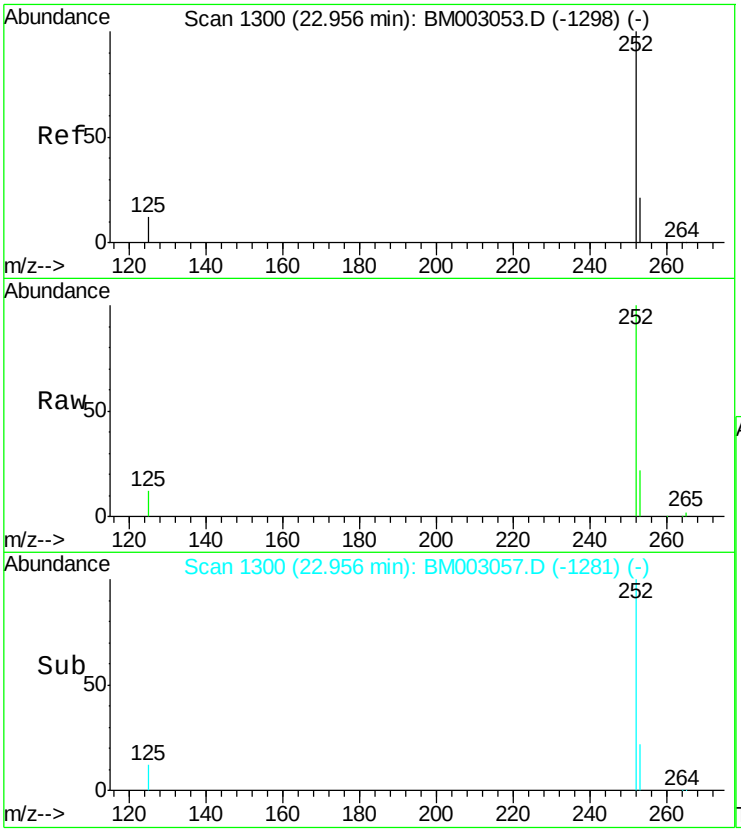


#36
Benzo(b)fluoranthene
Concen: 0.94 ng
RT: 22.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:252 Resp: 146975

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	12.0	10.3	15.5

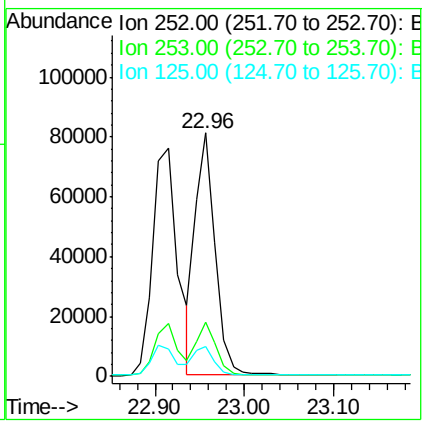




#37
Benzo(k)fluoranthene
Concen: 0.90 ng
RT: 22.96 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

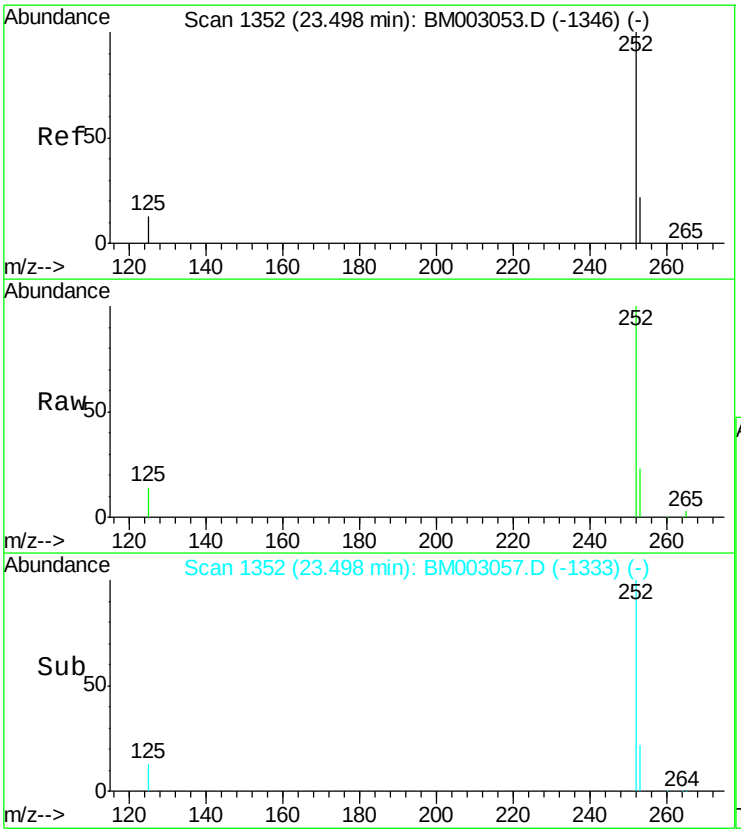
Tgt Ion:252 Resp: 126400

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	12.3	10.7	16.1



Instrument :
BNA_M
ClientSampleId :
ICVBM110415

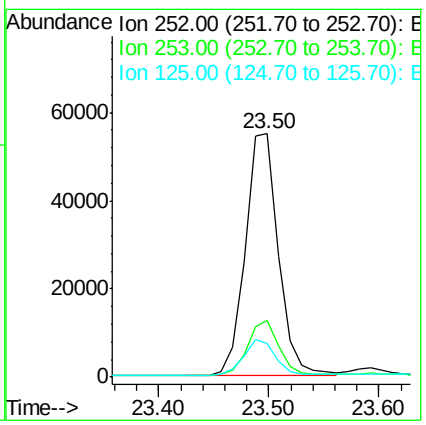
Manual Integrations APPROVED
Mmdadoda
11/5/2015 2:19:00 PM

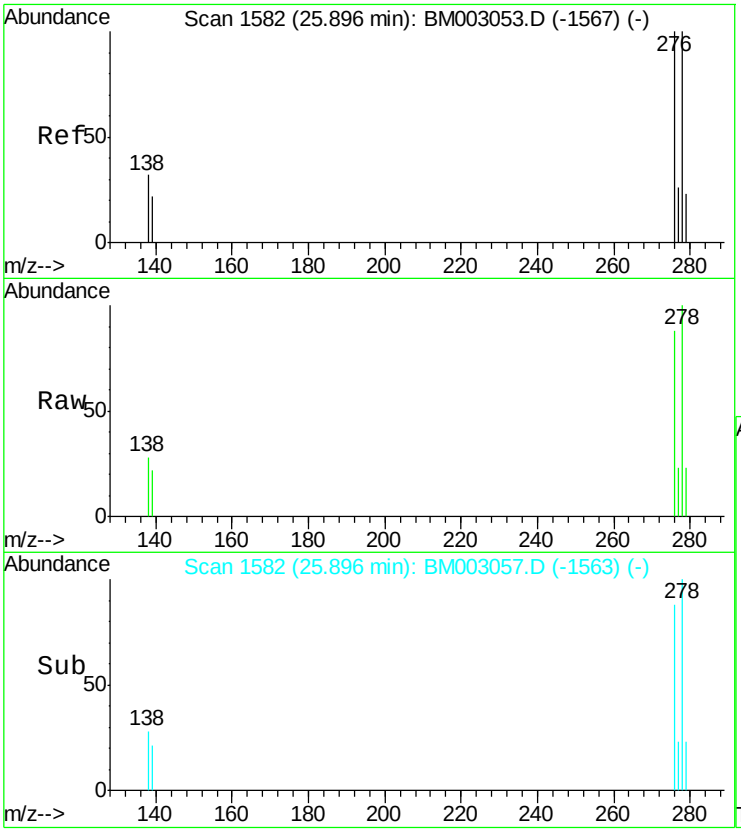


#38
Benzo(a)pyrene
Concen: 0.87 ng
RT: 23.50 min Scan# 1352
Delta R.T. 0.00 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:252 Resp: 114361

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.7	28.1
125	13.6	11.6	17.4

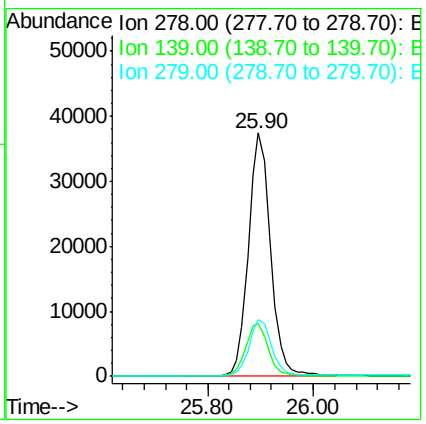




#39
Dibenzo(a,h)anthracene
Concen: 0.84 ng
RT: 25.90 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BM003057.D
Acq: 04 Nov 2015 23:26

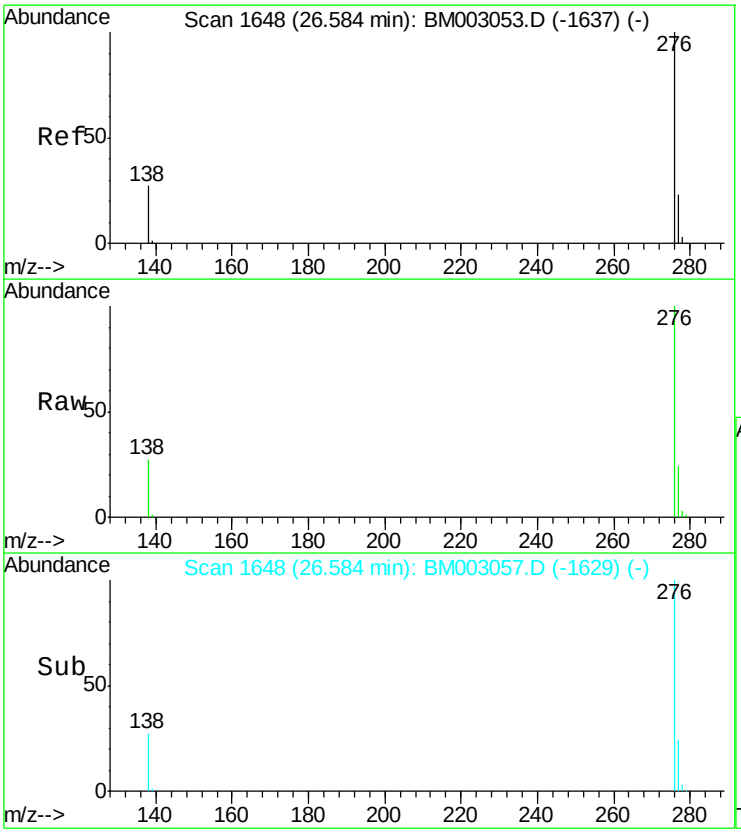
Tgt Ion:278 Resp: 107921

Ion	Ratio	Lower	Upper
278	100		
139	21.7	18.2	27.4
279	23.4	18.8	28.2



Instrument :
BNA_M
ClientSampleId :
ICVBM110415

Manual Integrations APPROVED
Mmdadoda
11/5/2015 2:19:00 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: BM003057.D
Acq: 04 Nov 2015 23:26

Tgt Ion:276 Resp: 111413

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.6
138	27.2	22.3	33.5