Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110415\
Data File : BM003055.D
Acq On : 04 Nov 2015 22:14
Operator : UM/IZ
Sample : SSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
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11/5/2015 2:18:56 PM

Quant Time: Nov 16 18:47:16 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	94046	5.00	ng		0.00
7) Naphthalene-d8	10.54	136	378985	5.00	ng		0.00
13) Acenaphthene-d10	14.39	164	181698	5.00	ng		0.00
19) Phenanthrene-d10	17.14	188	376372	5.00	ng		0.00
26) Chrysene-d12	21.33	240	302794	5.00	ng		0.00
35) Perylene-d12	23.59	264	252330	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.35	112	97155	5.44	ng		0.00
5) Phenol-d6	6.92	99	118417	5.29	ng		0.00
8) Nitrobenzene-d5	8.92	82	88976	4.94	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	24375	4.31	ng		0.00
15) 2-Fluorobiphenyl	13.03	172	272139	4.68	ng		0.00
29) Terphenyl-d14	19.77	244	191575	4.22	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.26	88	41050	4.58	ng	#	100
3) n-Nitrosodimethylamine	3.57	42	43225	5.99	ng	#	100
6) bis(2-Chloroethyl)ether	7.17	93	105574	4.91	ng	#	1
9) Nitrobenzene	8.96	77	100440	5.24	ng	#	100
10) Naphthalene	10.60	128	378577	4.51	ng		98
11) Hexachlorobutadiene	10.89	225	57423	4.31	ng	#	100
12) 2-Methylnaphthalene	12.22	142	252563	4.49	ng		95
16) Acenaphthylene	14.11	152	372983	4.78	ng	#	100
17) Acenaphthene	14.46	154	236920	4.41	ng	#	100
18) Fluorene	15.46	166	244487	3.84	ng	#	100
20) 4-Bromophenyl-phenylether	16.32	248	55891	3.51	ng	#	100
21) Hexachlorobenzene	16.45	284	76604m	4.00	ng		
22) Pentachlorophenol	16.78	266	25803	11.04	ng		88
23) Phenanthrene	17.17	178	331580	3.65	ng	#	100
24) Anthracene	17.27	178	410457	4.92	ng	#	100
25) Fluoranthene	19.21	202	370066	3.83	ng	#	100
27) Benzidine	19.38	184	139547	4.01	ng		95
28) Pyrene	19.57	202	409170	4.60	ng	#	100
30) Benzo(a)anthracene	21.31	228	377946m	4.41	ng		
31) 3,3'-Dichlorobenzidine	21.25	252	101472	3.51	ng	#	78
32) Chrysene	21.37	228	349229m	4.17	ng		
33) Bis(2-ethylhexyl)phthalate	21.25	149	186126	3.86	ng	#	100
34) Indeno(1,2,3-cd)pyrene	25.89	276	391567m	4.69	ng		
36) Benzo(b)fluoranthene	22.91	252	361538	4.96	ng		99
37) Benzo(k)fluoranthene	22.96	252	325024	4.58	ng		99
38) Benzo(a)pyrene	23.50	252	305633	4.78	ng		98
39) Dibenzo(a,h)anthracene	25.90	278	316388	5.14	ng		99
40) Benzo(g,h,i)perylene	26.58	276	327138	5.07	ng		100

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

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Data Path : Z:\HPCHEM1\BNA M\DATA\BM110415\
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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Instrument :
BNA_M
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Manual Integrations APPROVED
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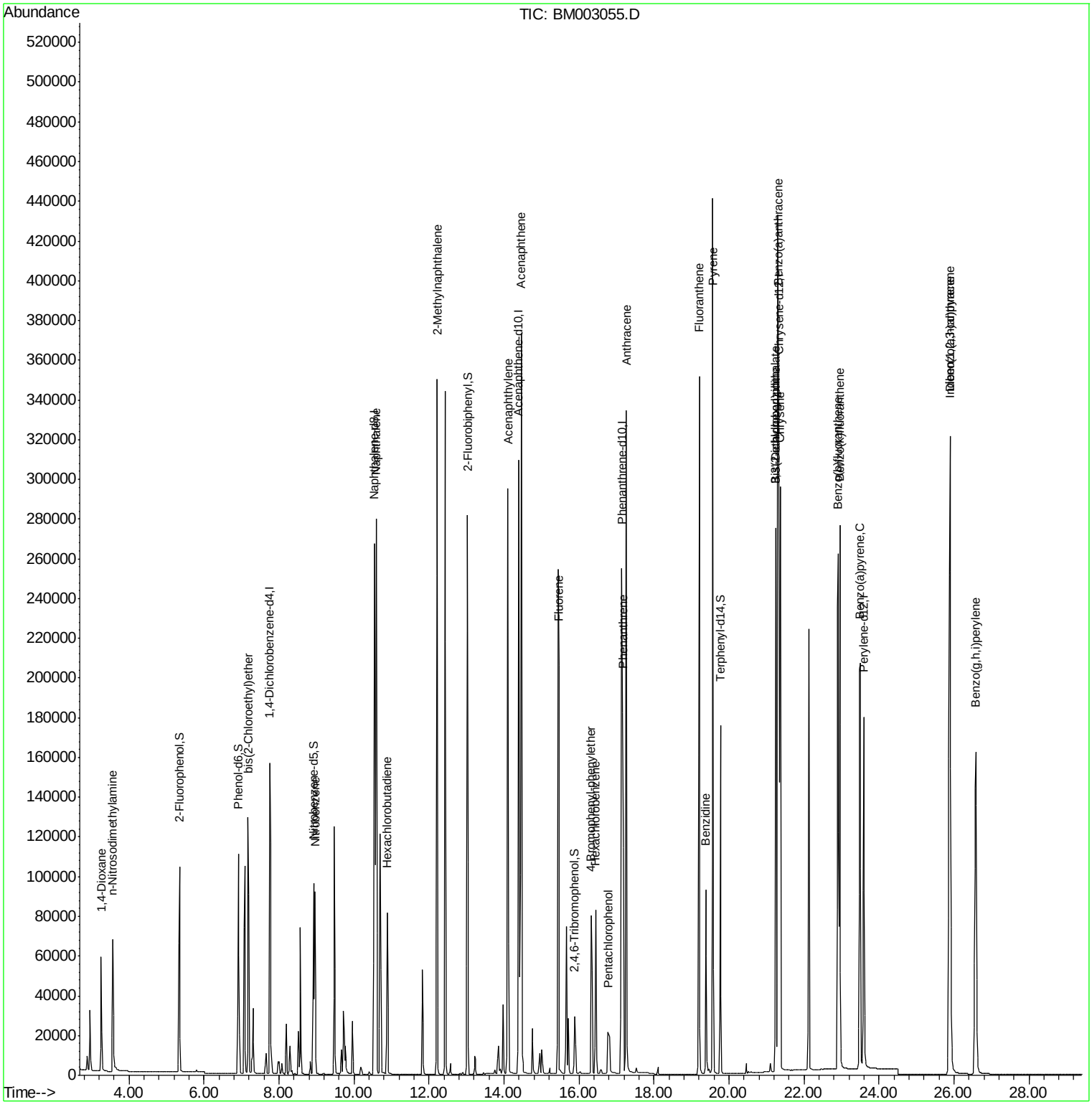
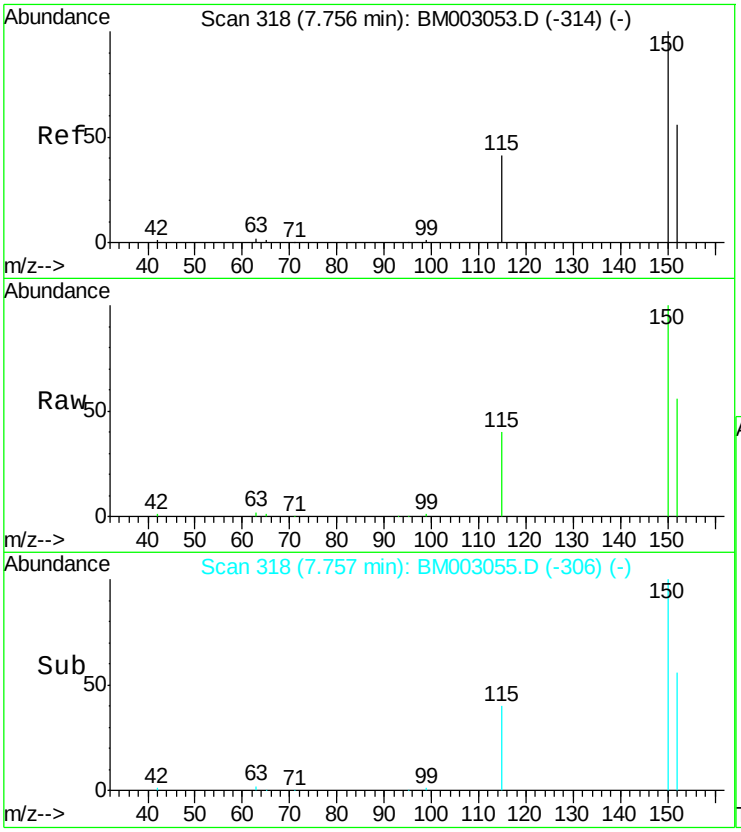
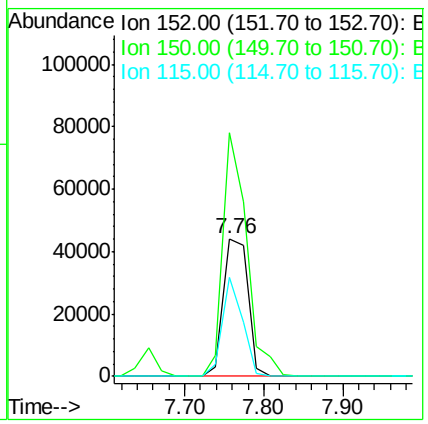




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.76 min Scan# 318
Delta R.T. 0.00 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:152 Resp: 94046

Ion	Ratio	Lower	Upper
152	100		
150	177.1	143.6	215.4
115	71.6	58.5	87.7



Instrument :
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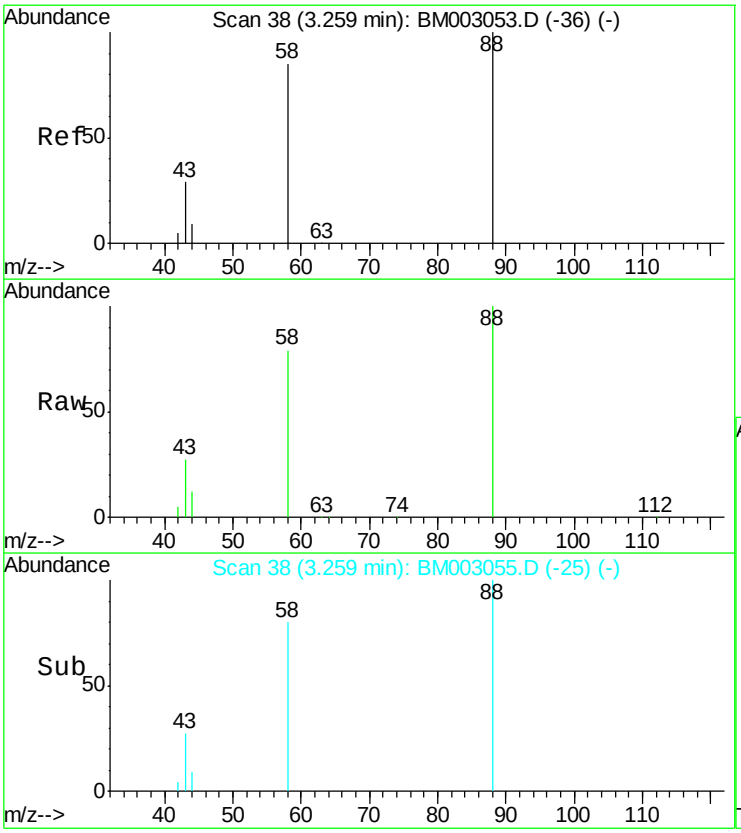
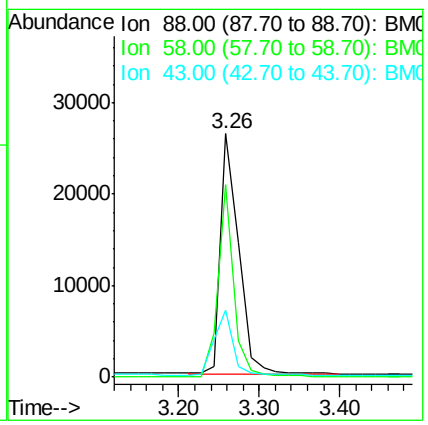
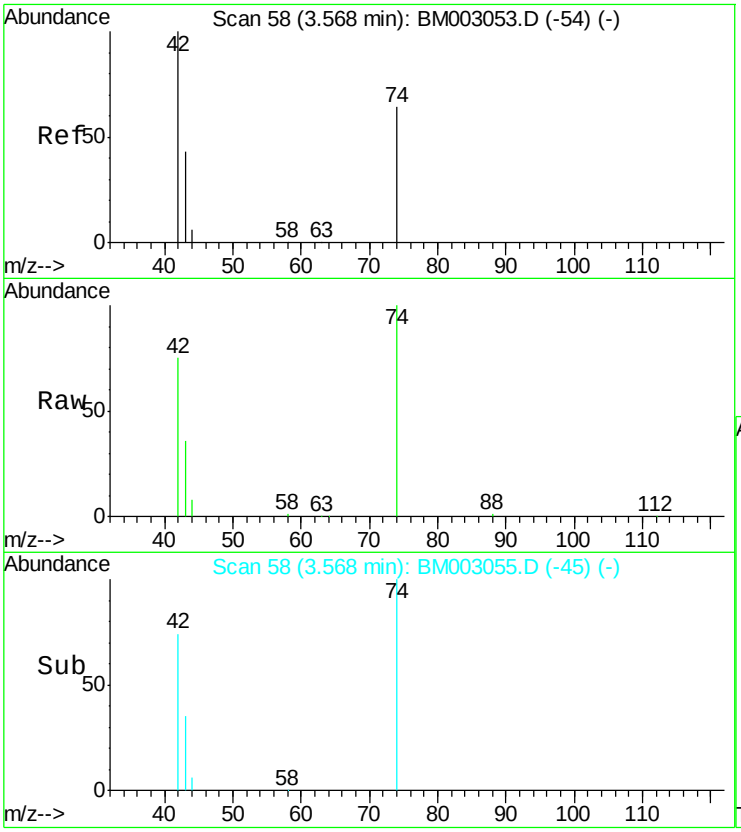


#2
1,4-Dioxane
Concen: 4.58 ng
RT: 3.26 min Scan# 38
Delta R.T. 0.00 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion: 88 Resp: 41050

Ion	Ratio	Lower	Upper
88	100		
58	69.7	0.0	0.0#
43	27.8	0.0	0.0#

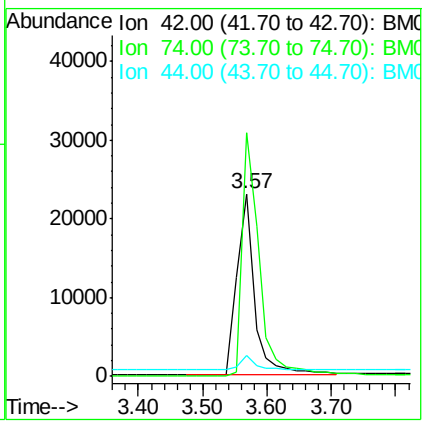




#3
n-Nitrosodimethylamine
Concen: 5.99 ng
RT: 3.57 min Scan# 58
Delta R.T. 0.00 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion: 42 Resp: 43225

Ion	Ratio	Lower	Upper
42	100		
74	131.4	0.0	0.0#
44	6.8	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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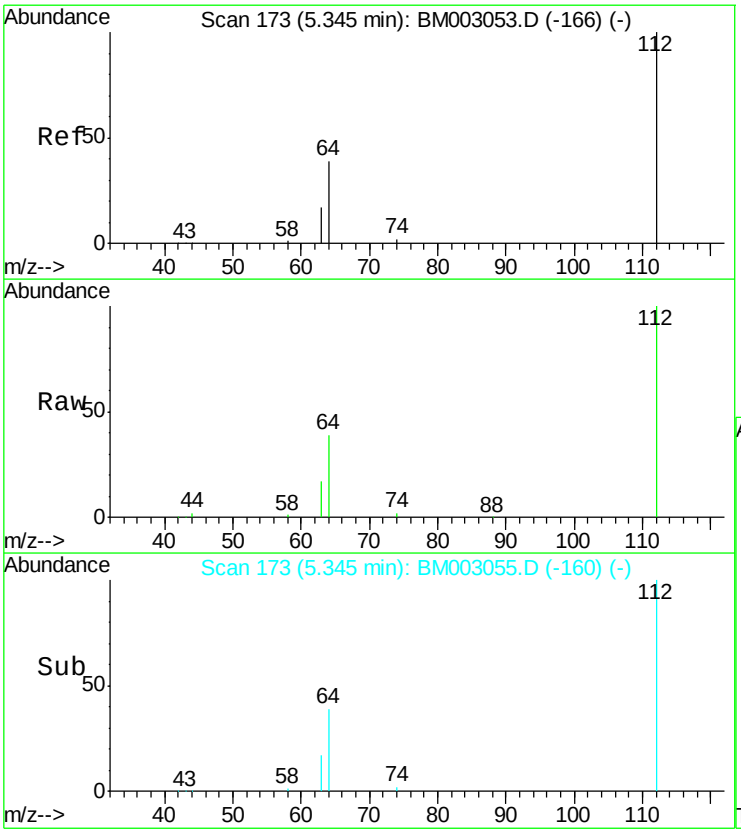
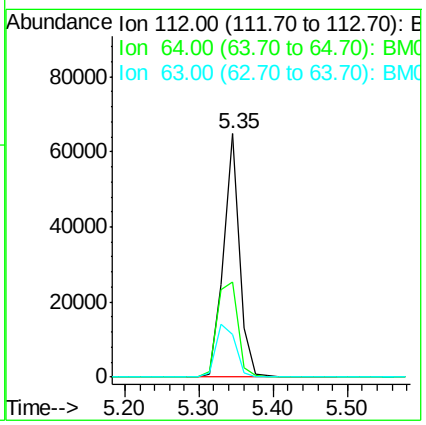
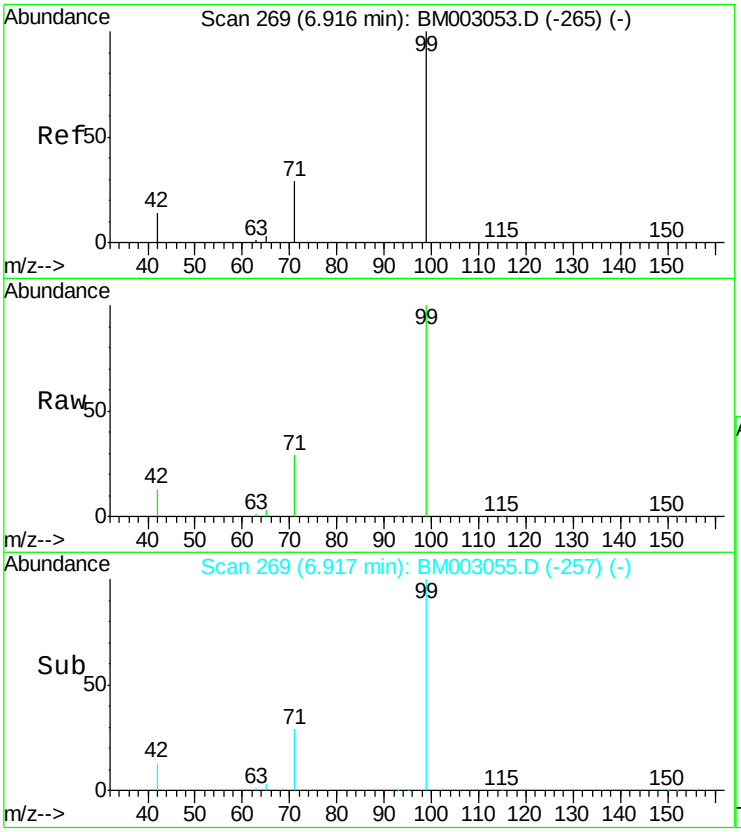


#4
2-Fluorophenol
Concen: 5.44 ng
RT: 5.35 min Scan# 173
Delta R.T. 0.00 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:112 Resp: 97155

Ion	Ratio	Lower	Upper
112	100		
64	51.0	0.0	0.0#
63	26.4	0.0	0.0#





#5
Phenol-d6
Concen: 5.29 ng
RT: 6.92 min Scan# 269
Delta R.T. 0.00 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion: 99 Resp: 118417

Ion	Ratio	Lower	Upper
99	100		
42	18.0	3.4	5.0#
71	29.0	1.0	1.4#

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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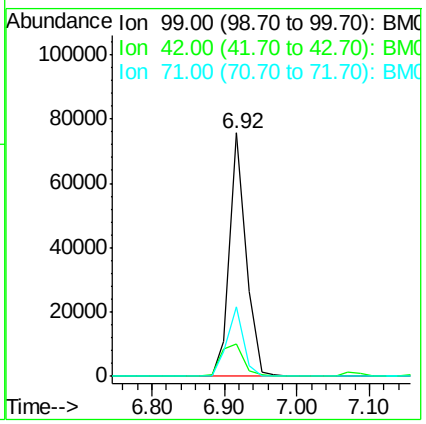
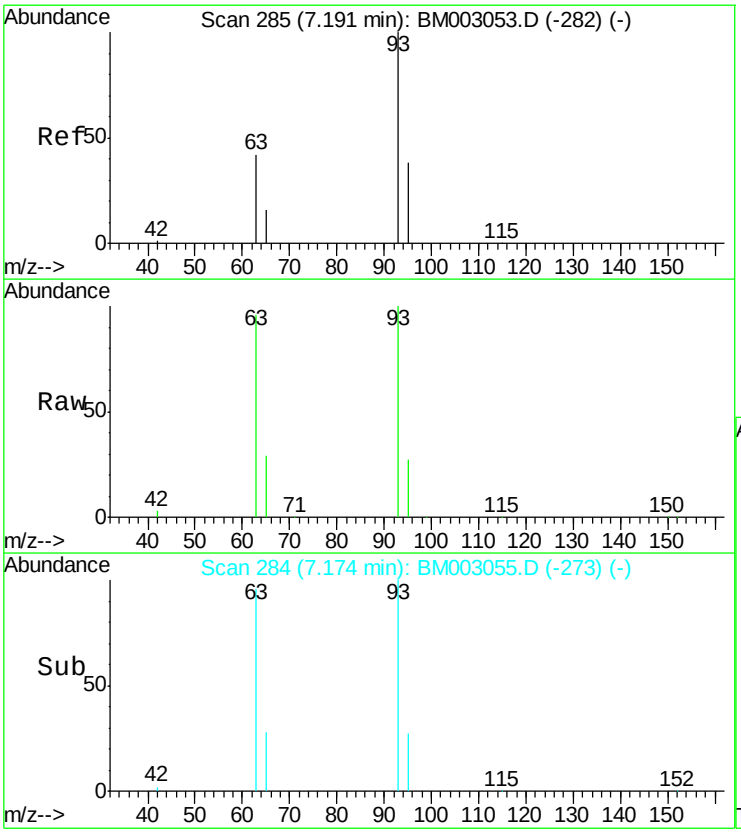
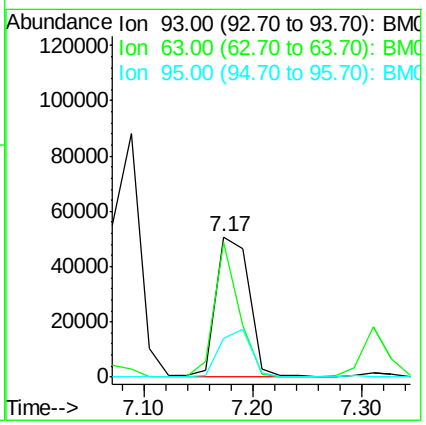


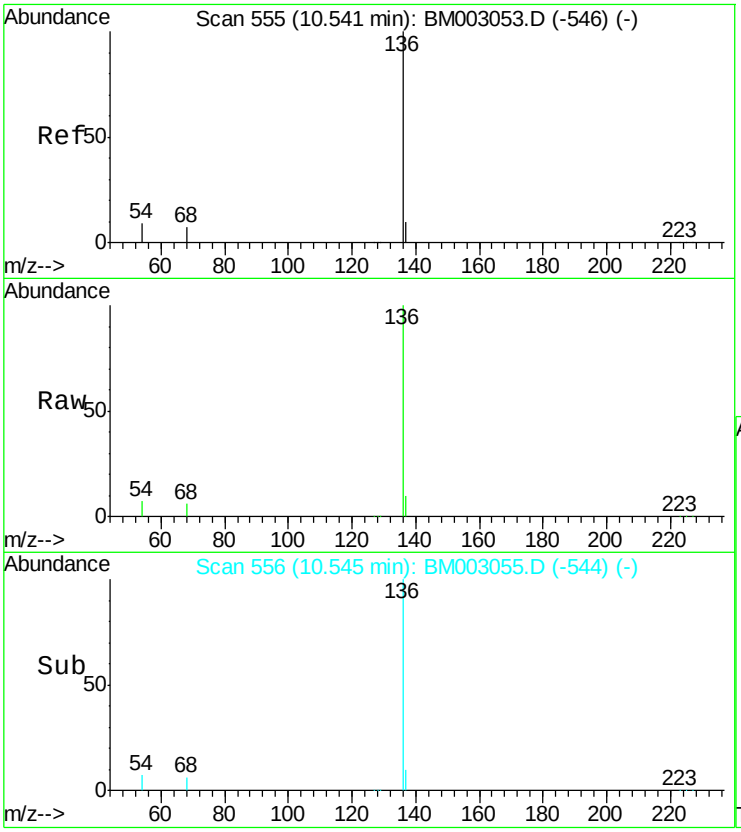


#6
bis(2-Chloroethyl)ether
Concen: 4.91 ng
RT: 7.17 min Scan# 284
Delta R.T. -0.02 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion: 93 Resp: 105574

Ion	Ratio	Lower	Upper
93	100		
63	72.3	5.2	7.8#
95	32.4	0.0	0.0#

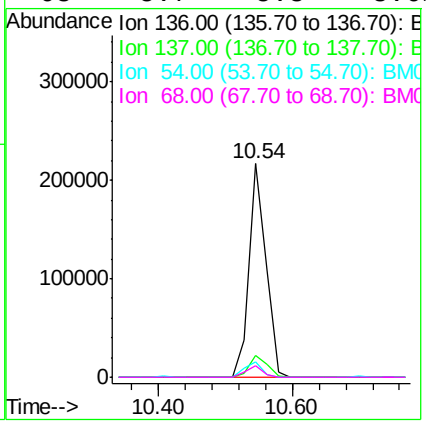




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.54 min Scan# 556
Delta R.T. 0.00 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:136 Resp: 378985

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.0	12.0
54	7.0	7.4	11.0#
68	5.7	5.8	8.6#



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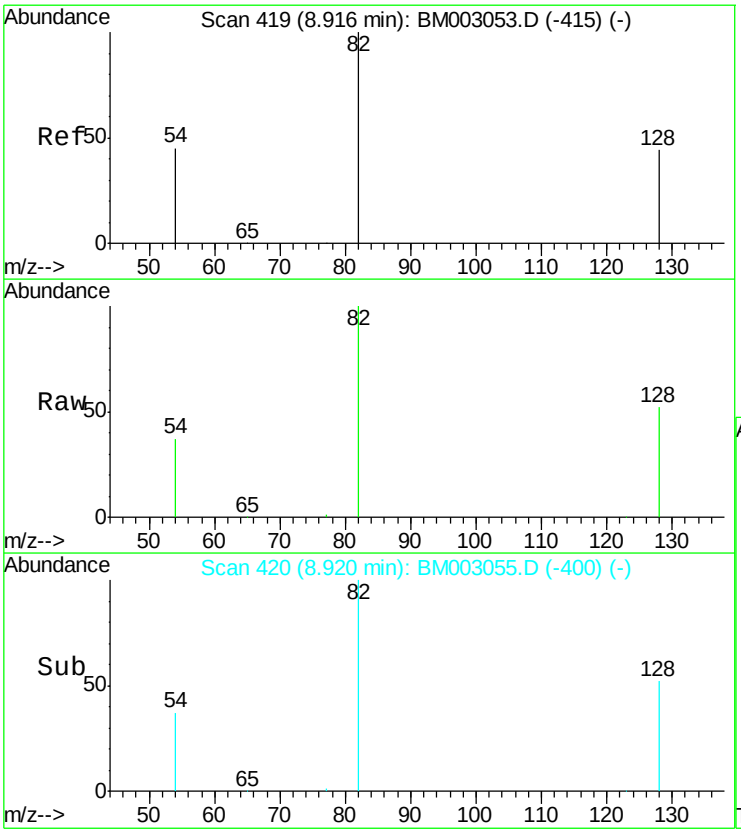
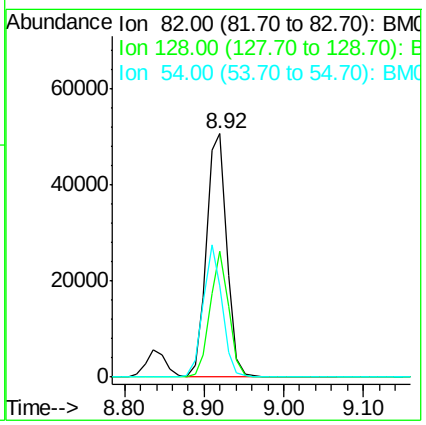
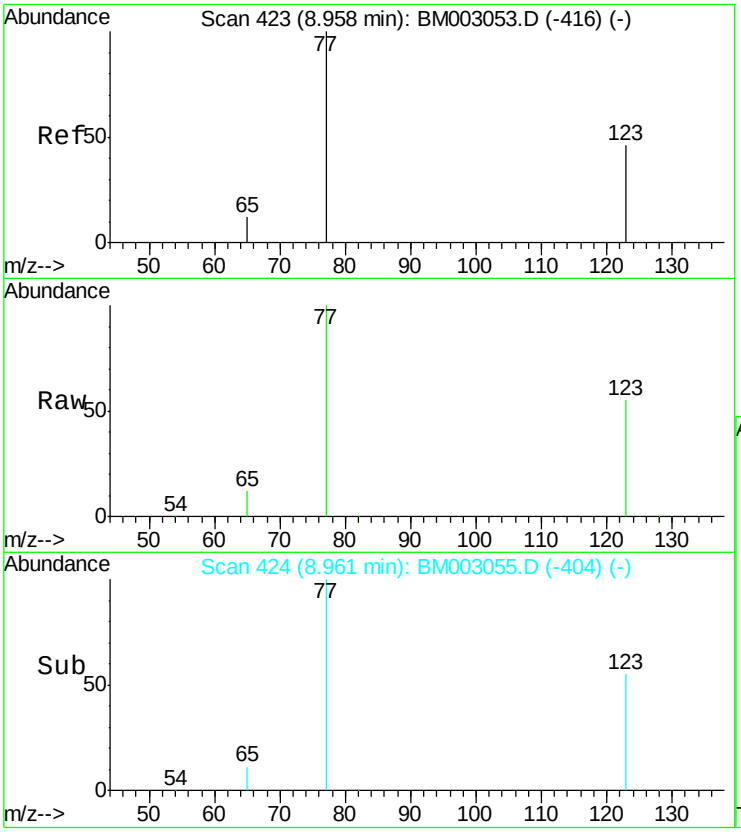


#8
Nitrobenzene-d5
Concen: 4.94 ng
RT: 8.92 min Scan# 420
Delta R.T. 0.00 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion: 82 Resp: 88976

Ion	Ratio	Lower	Upper
82	100		
128	51.6	35.2	52.8
54	37.3	36.4	54.6

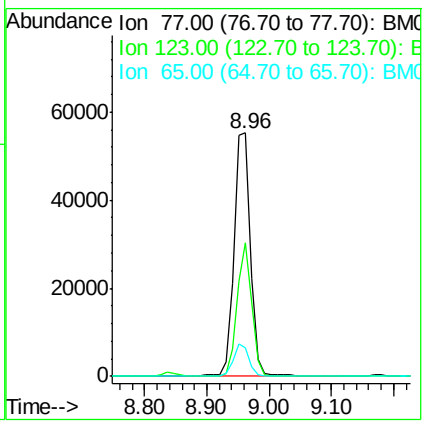




#9
Nitrobenzene
Concen: 5.24 ng
RT: 8.96 min Scan# 424
Delta R.T. 0.00 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion: 77 Resp: 100440

Ion	Ratio	Lower	Upper
77	100		
123	49.4	0.0	0.0#
65	12.6	0.0	0.0#



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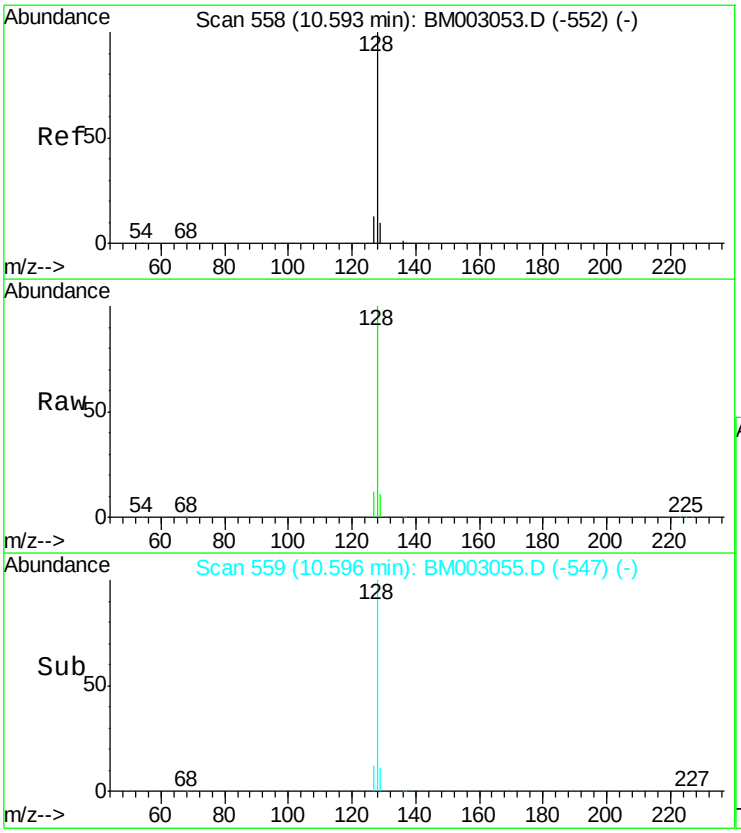
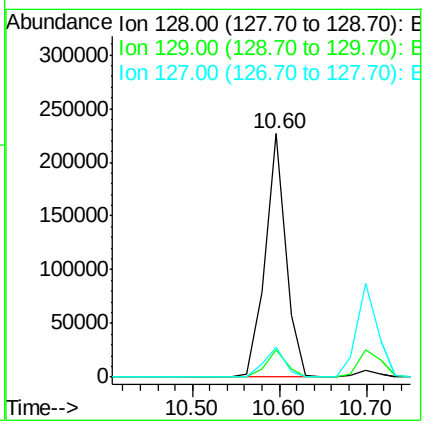
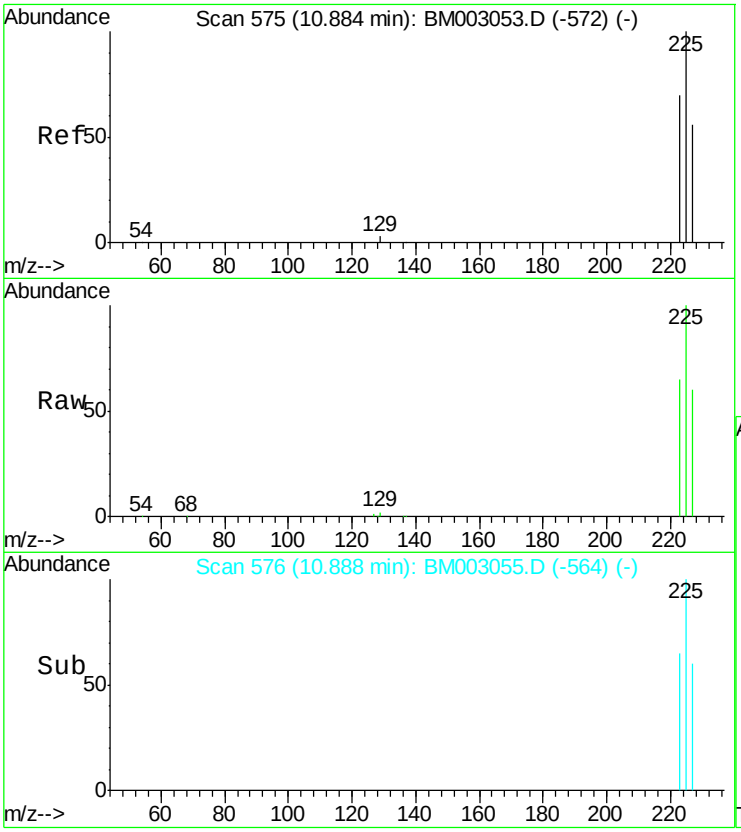


#10
Naphthalene
Concen: 4.51 ng
RT: 10.60 min Scan# 559
Delta R.T. 0.00 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:128 Resp: 378577

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.5	12.7
127	12.3	10.6	16.0

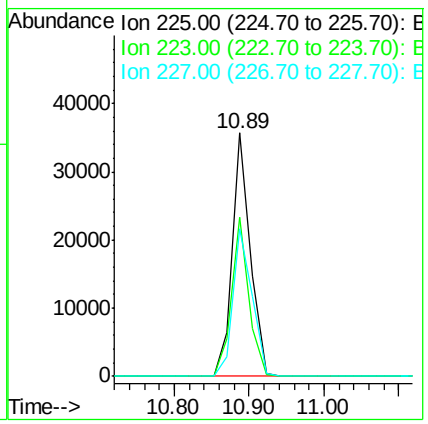




#11
Hexachlorobutadiene
Concen: 4.31 ng
RT: 10.89 min Scan# 576
Delta R.T. 0.00 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:225 Resp: 57423

Ion	Ratio	Lower	Upper
225	100		
223	63.5	0.0	0.0#
227	64.1	0.0	0.0#



Instrument :
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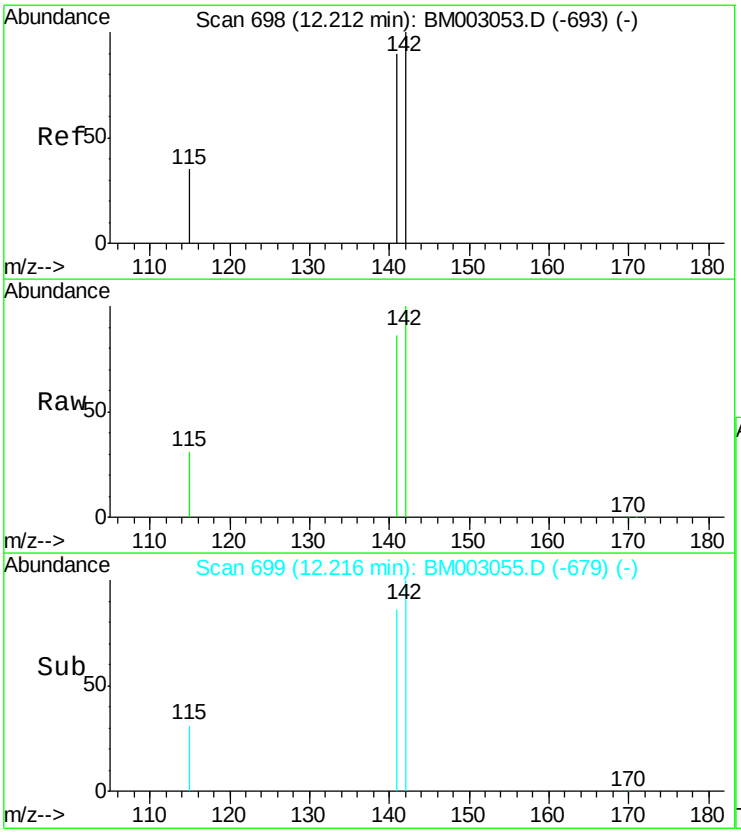
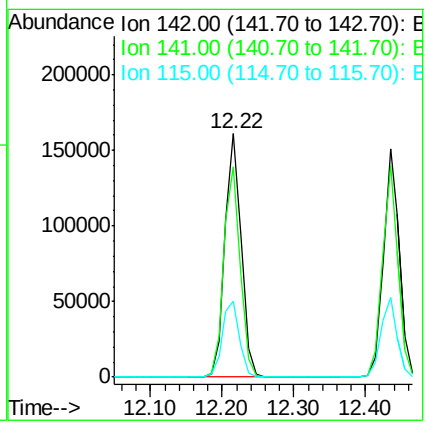
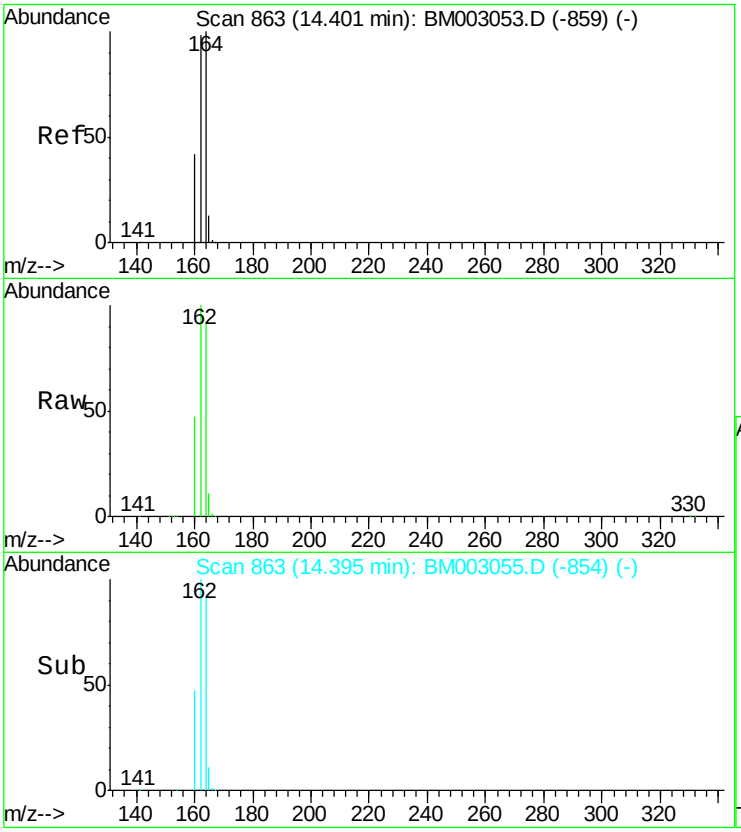


#12
2-Methylnaphthalene
Concen: 4.49 ng
RT: 12.22 min Scan# 699
Delta R.T. 0.00 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:142 Resp: 252563

Ion	Ratio	Lower	Upper
142	100		
141	86.4	72.2	108.2
115	30.9	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: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:164 Resp: 181698

Ion	Ratio	Lower	Upper
164	100		
162	108.6	78.3	117.5
160	51.2	33.8	50.6#

Instrument :
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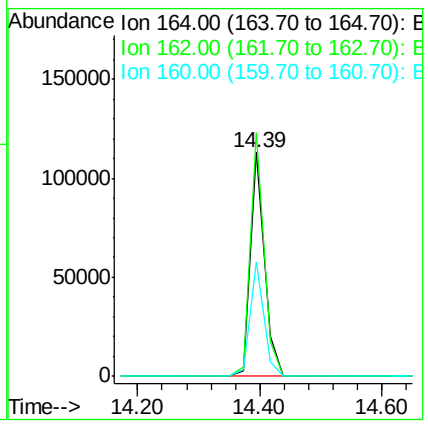
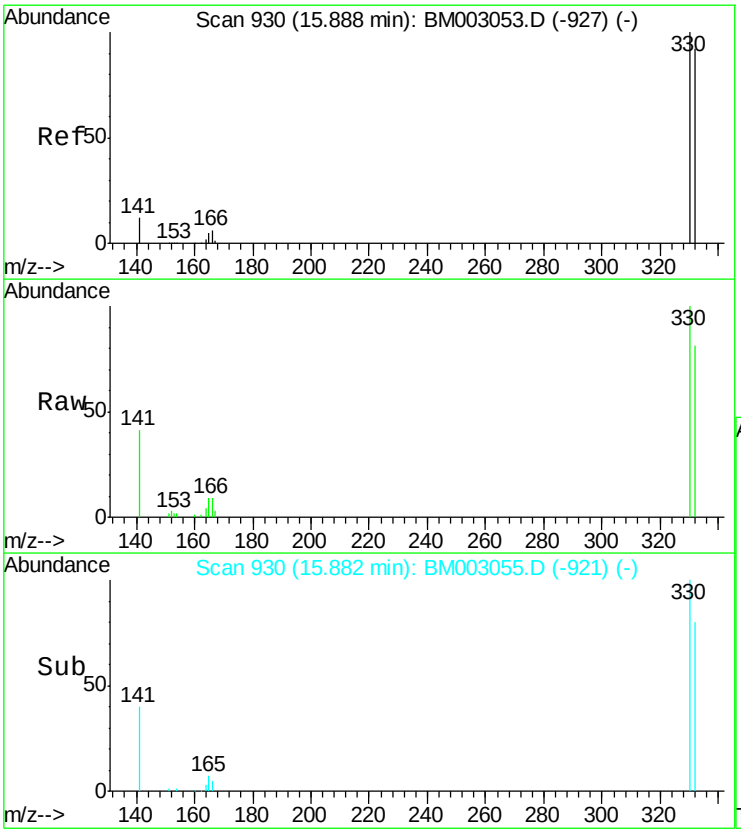
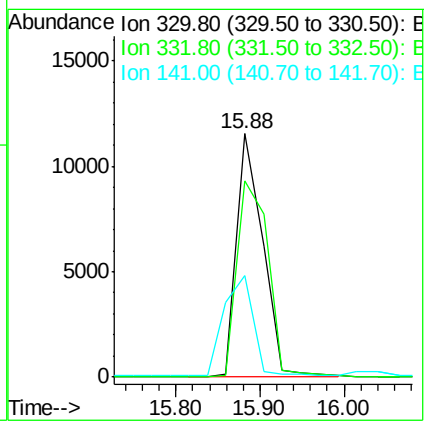


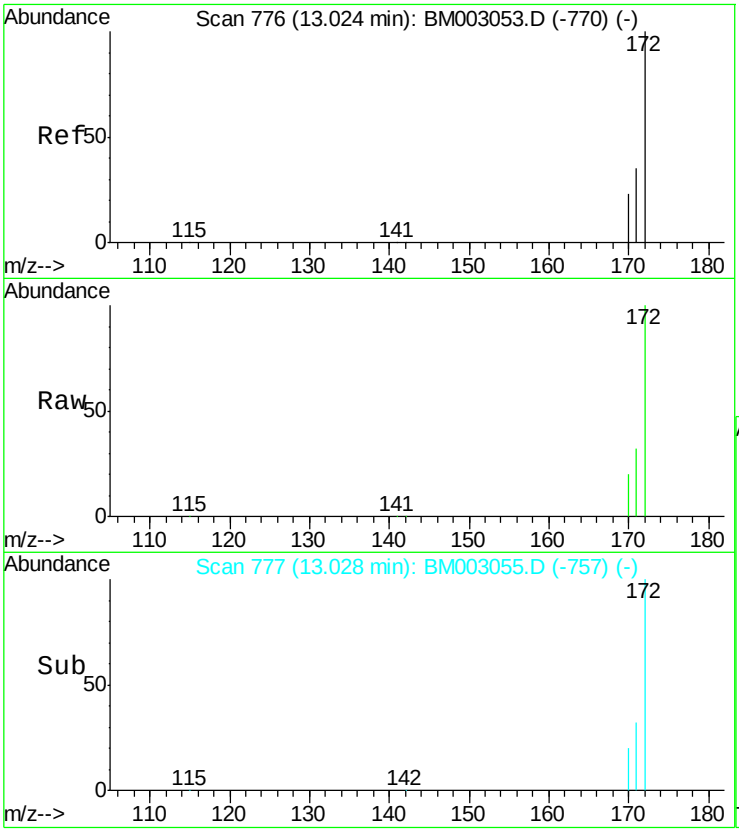


#14
2,4,6-Tribromophenol
Concen: 4.31 ng
RT: 15.88 min Scan# 930
Delta R.T. -0.01 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:330 Resp: 24375

Ion	Ratio	Lower	Upper
330	100		
332	95.9	0.0	0.0#
141	46.0	0.0	0.0#

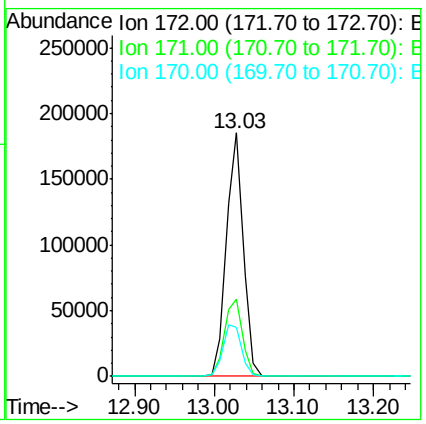




#15
2-Fluorobiphenyl
Concen: 4.68 ng
RT: 13.03 min Scan# 777
Delta R.T. 0.00 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:172 Resp: 272139

Ion	Ratio	Lower	Upper
172	100		
171	31.7	28.0	42.0
170	19.9	18.9	28.3



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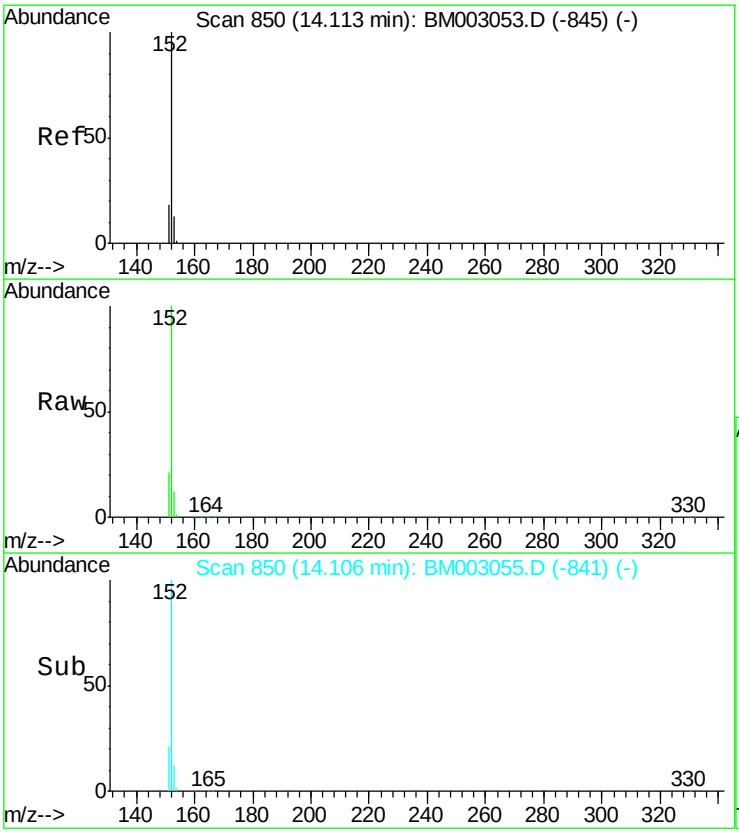
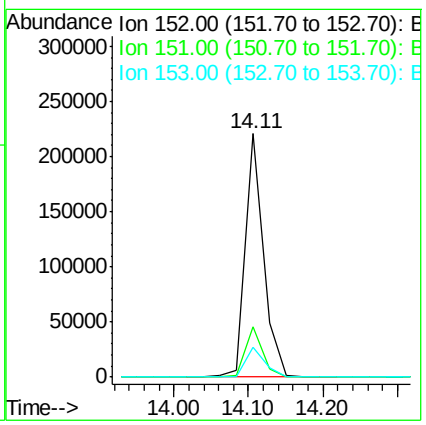
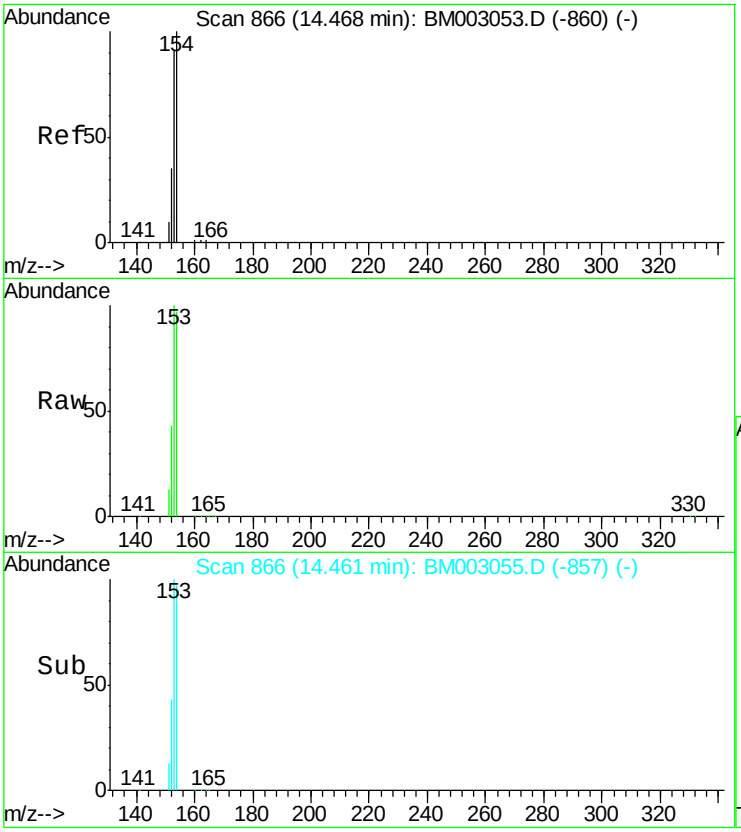


#16
Acenaphthylene
Concen: 4.78 ng
RT: 14.11 min Scan# 850
Delta R.T. -0.01 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:152 Resp: 372983

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

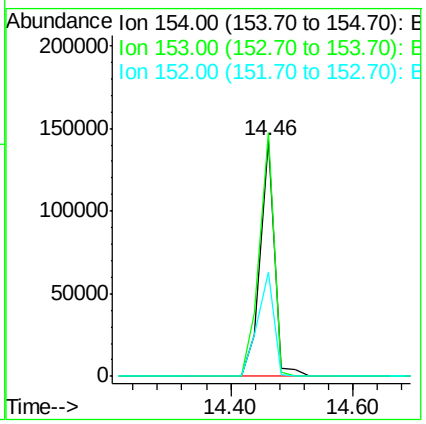




#17
Acenaphthene
Concen: 4.41 ng
RT: 14.46 min Scan# 866
Delta R.T. -0.01 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:154 Resp: 236920

Ion	Ratio	Lower	Upper
154	100		
153	105.9	0.0	0.0#
152	49.9	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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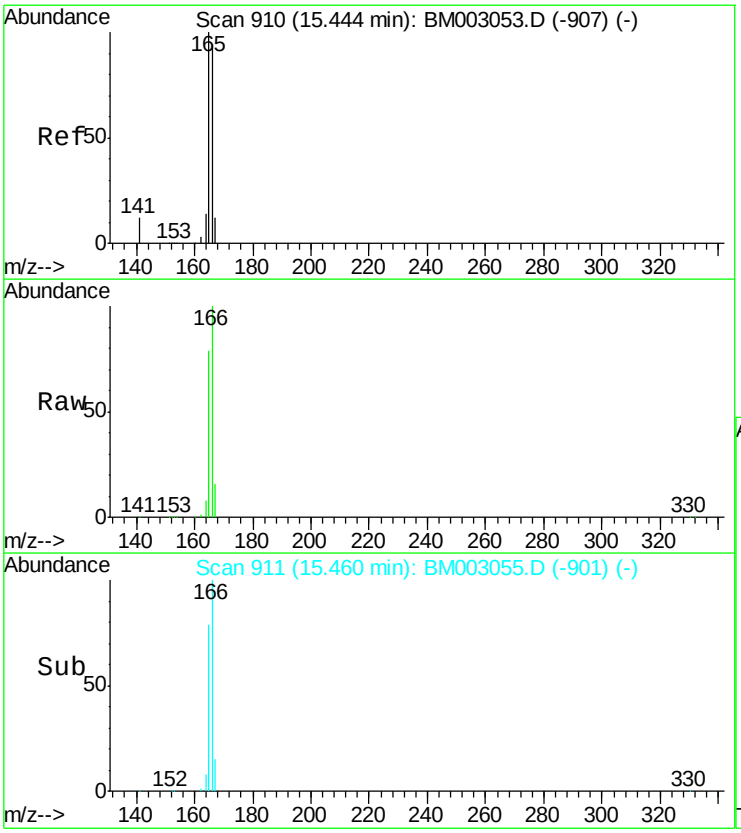
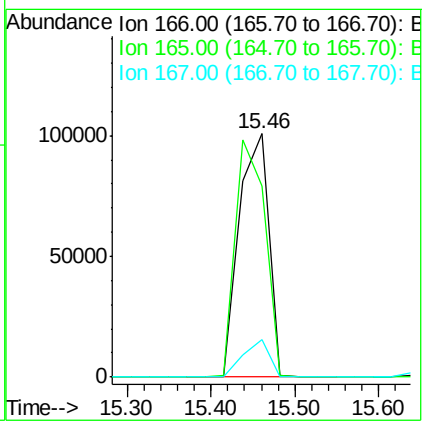
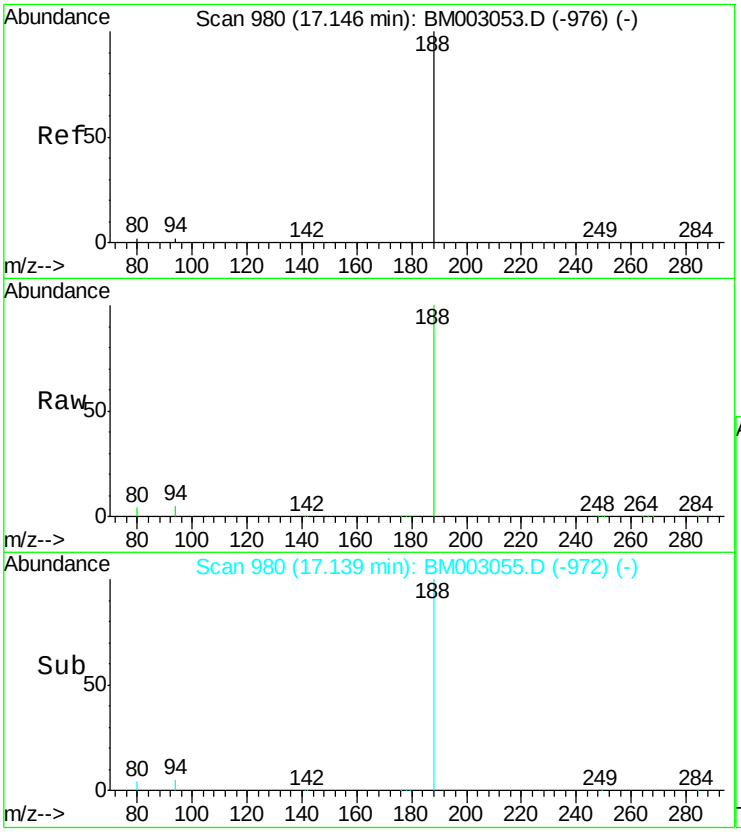


#18
Fluorene
Concen: 3.84 ng
RT: 15.46 min Scan# 911
Delta R.T. 0.02 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:166 Resp: 244487

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

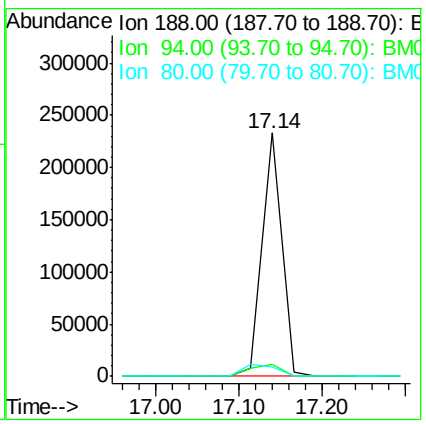




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 980
Delta R.T. -0.01 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:188 Resp: 376372

Ion	Ratio	Lower	Upper
188	100		
94	4.8	1.8	2.6#
80	4.0	1.4	2.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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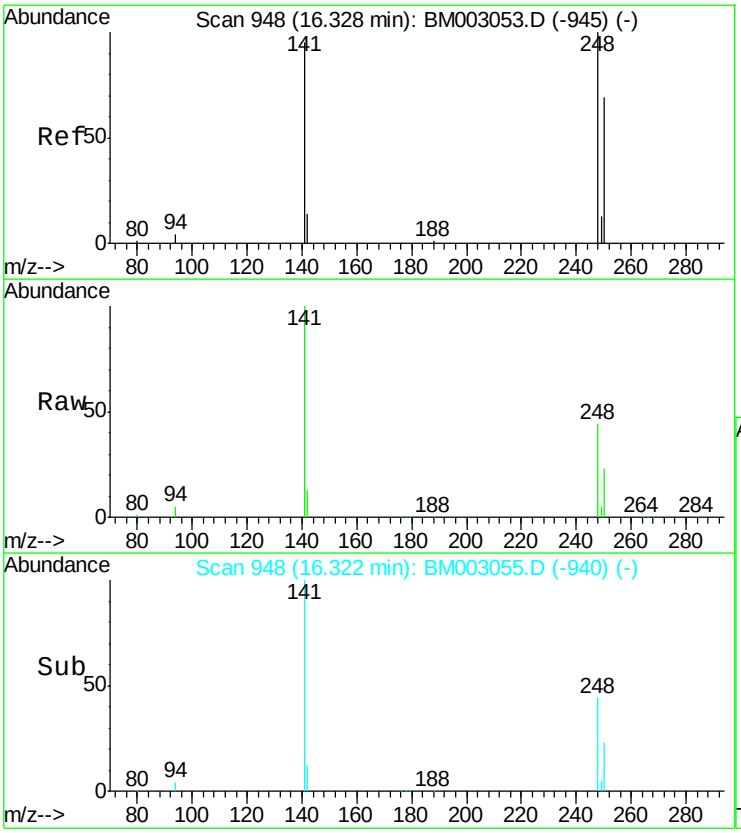
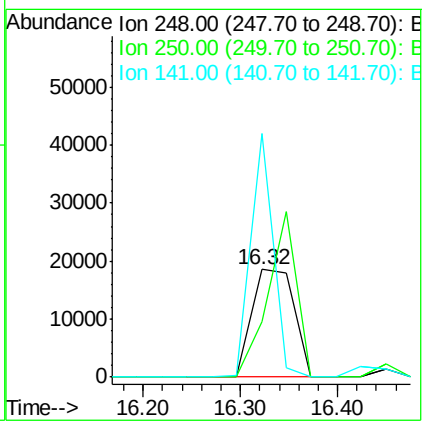
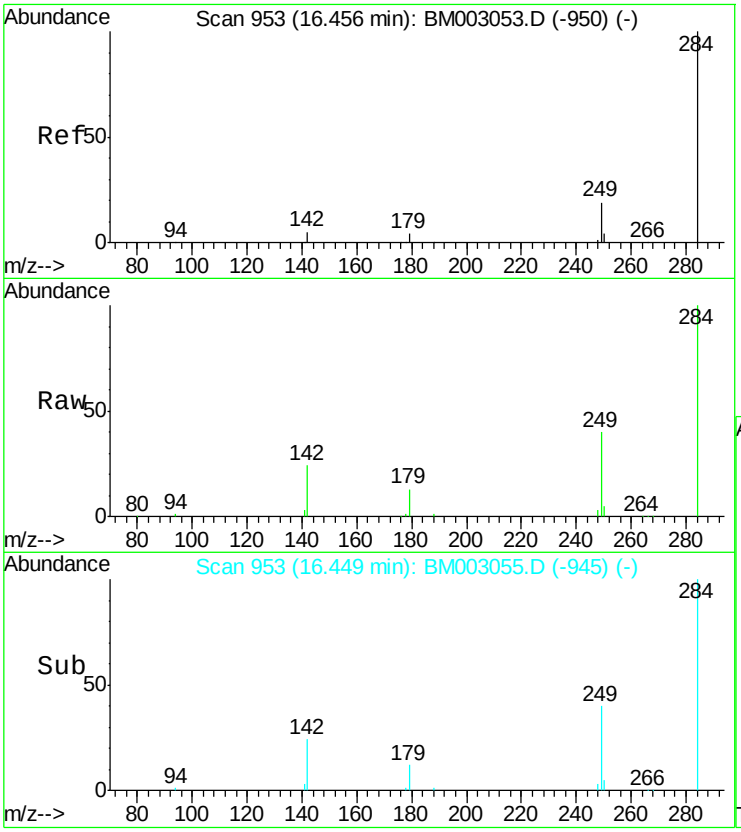


#20
4-Bromophenyl-phenylether
Concen: 3.51 ng
RT: 16.32 min Scan# 948
Delta R.T. -0.01 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:248 Resp: 55891

Ion	Ratio	Lower	Upper
248	100		
250	0.0	0.0	0.0
141	120.1	0.0	0.0#

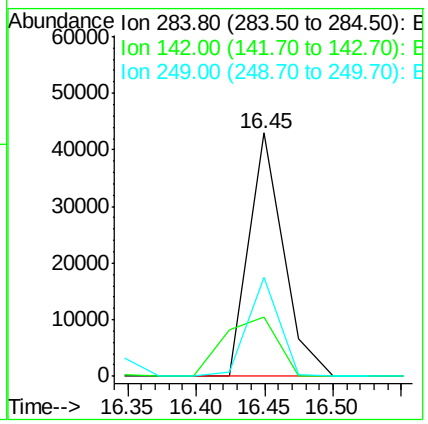




#21
Hexachlorobenzene
Concen: 4.00 ng m
RT: 16.45 min Scan# 953
Delta R.T. -0.01 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:284 Resp: 76604

Ion	Ratio	Lower	Upper
284	100		
142	37.0	0.0	0.0#
249	36.4	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
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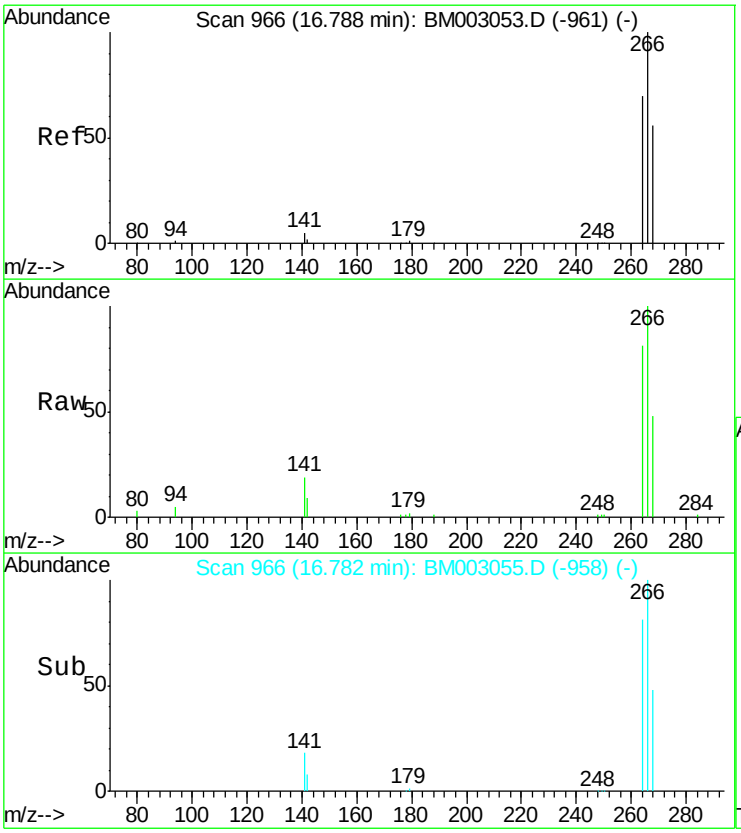
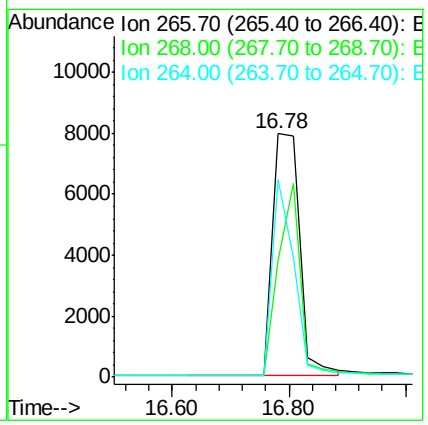
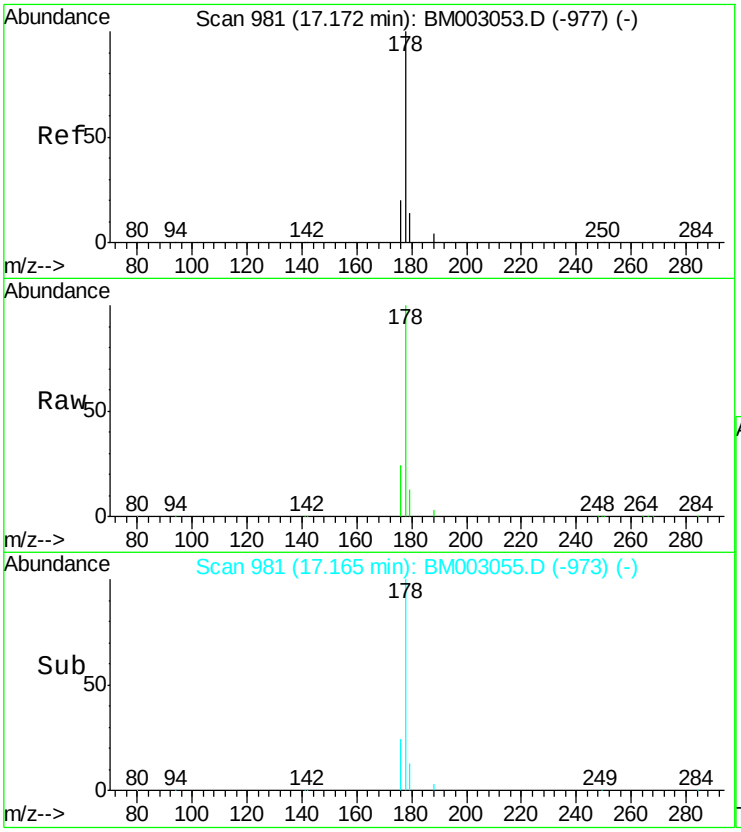


#22
Pentachlorophenol
Concen: 11.04 ng
RT: 16.78 min Scan# 966
Delta R.T. -0.01 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:266 Resp: 25803

Ion	Ratio	Lower	Upper
266	100		
268	48.0	45.8	68.8
264	81.1	56.7	85.1

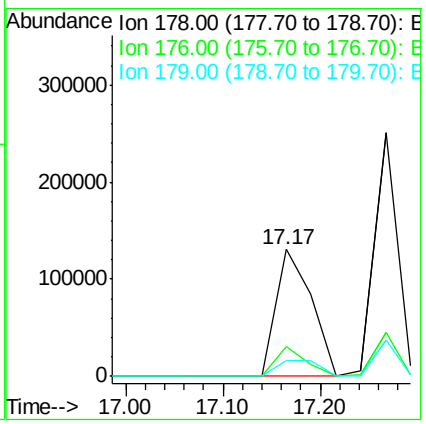




#23
Phenanthrene
Concen: 3.65 ng
RT: 17.17 min Scan# 981
Delta R.T. -0.01 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:178 Resp: 331580

Ion	Ratio	Lower	Upper
178	100		
176	19.8	0.0	0.0#
179	15.2	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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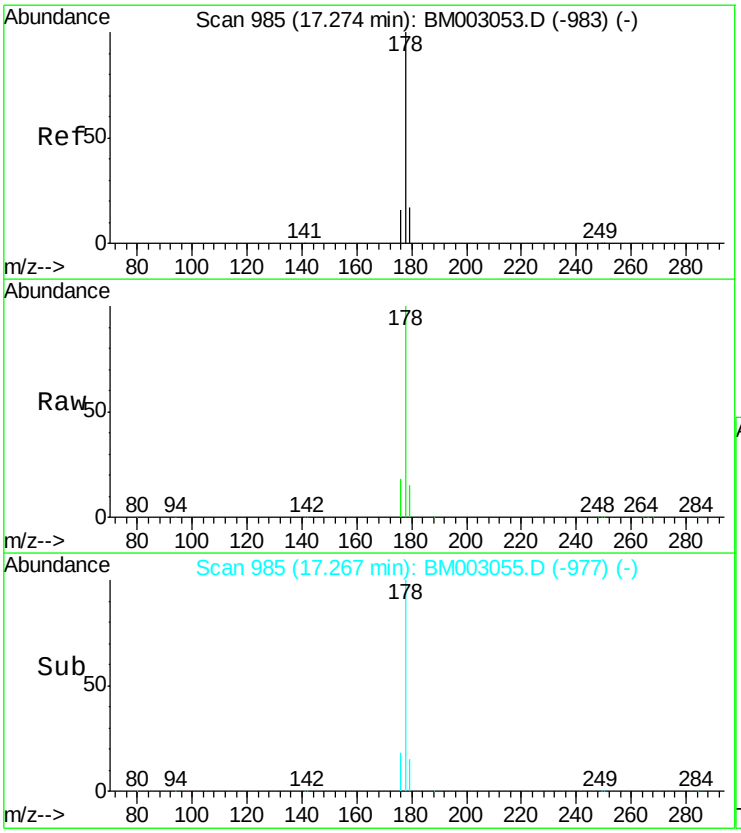
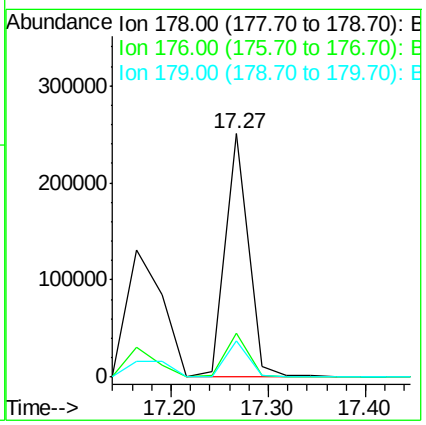
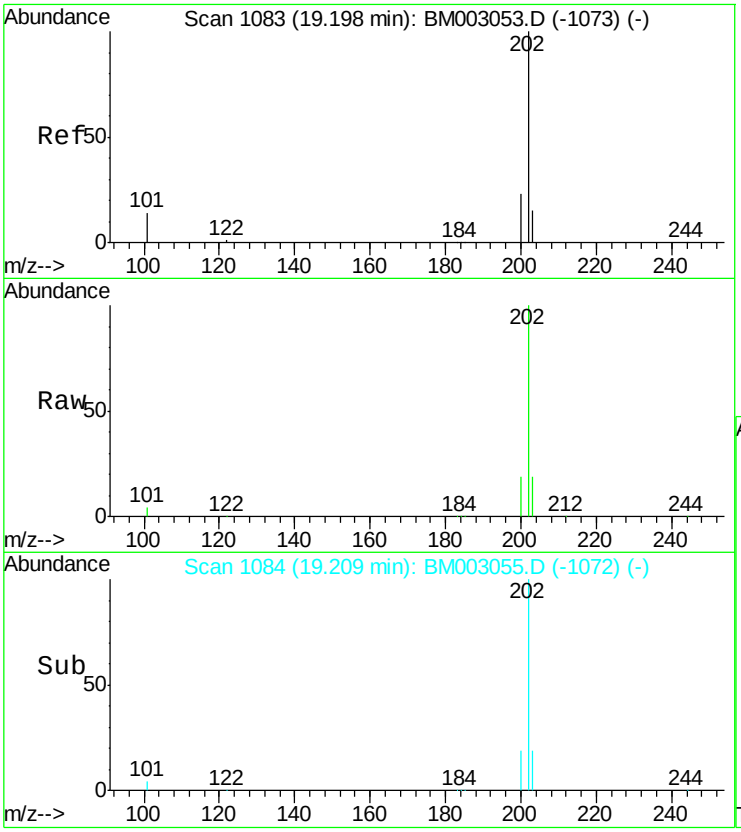


#24
Anthracene
Concen: 4.92 ng
RT: 17.27 min Scan# 985
Delta R.T. -0.01 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:178 Resp: 410457

Ion	Ratio	Lower	Upper
178	100		
176	18.1	0.0	0.0#
179	15.1	0.0	0.0#





#25
Fluoranthene
Concen: 3.83 ng
RT: 19.21 min Scan# 1084
Delta R.T. 0.01 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:202 Resp: 370066

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	0.0#
203	17.4	0.0	0.0#

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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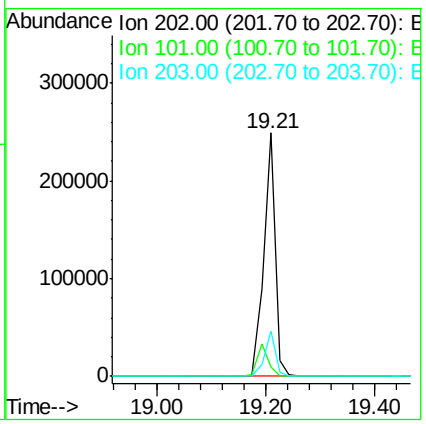
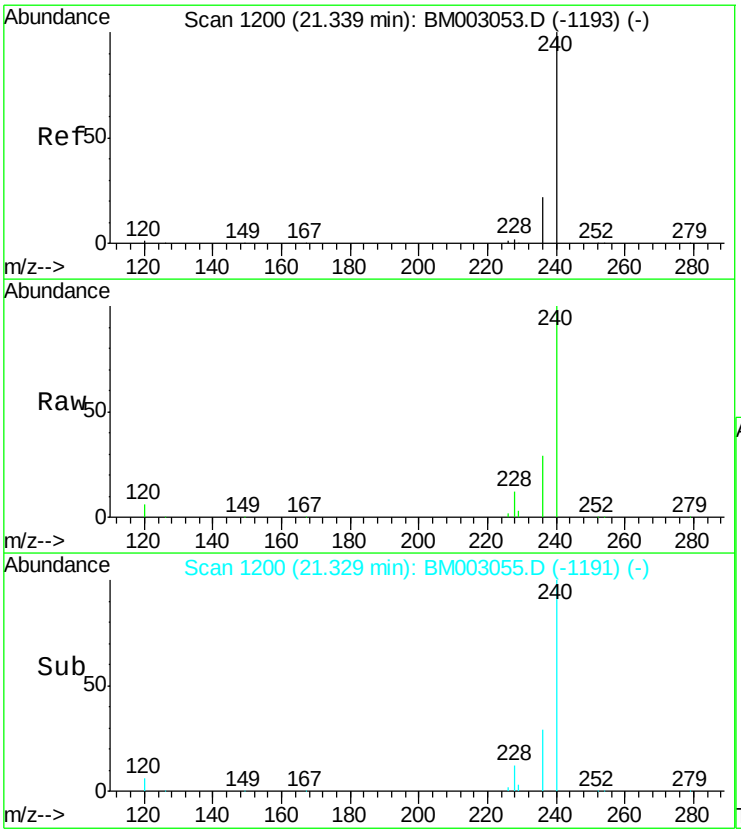
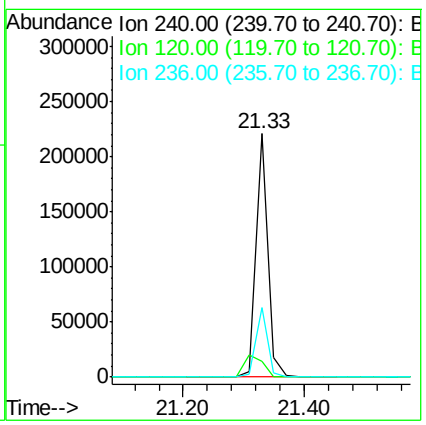


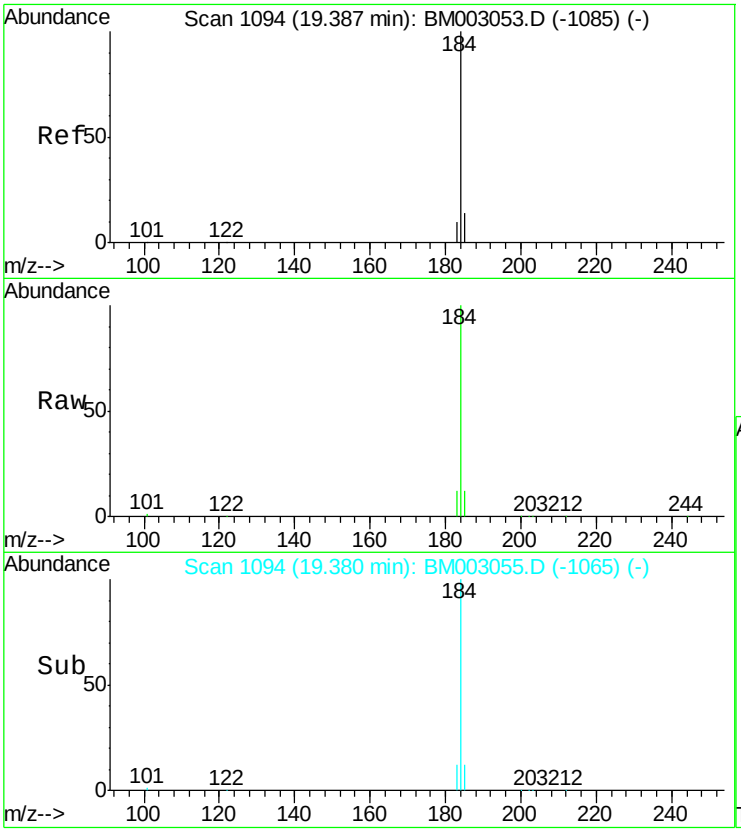


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.33 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:240 Resp: 302794

Ion	Ratio	Lower	Upper
240	100		
120	6.3	1.0	1.4#
236	28.5	17.9	26.9#

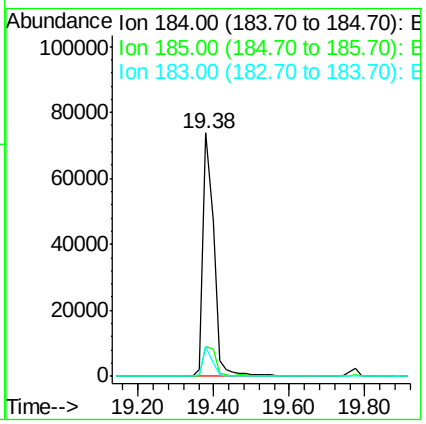




#27
Benzidine
Concen: 4.01 ng
RT: 19.38 min Scan# 1094
Delta R.T. -0.01 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:184 Resp: 139547

Ion	Ratio	Lower	Upper
184	100		
185	12.2	11.6	17.4
183	12.4	8.6	13.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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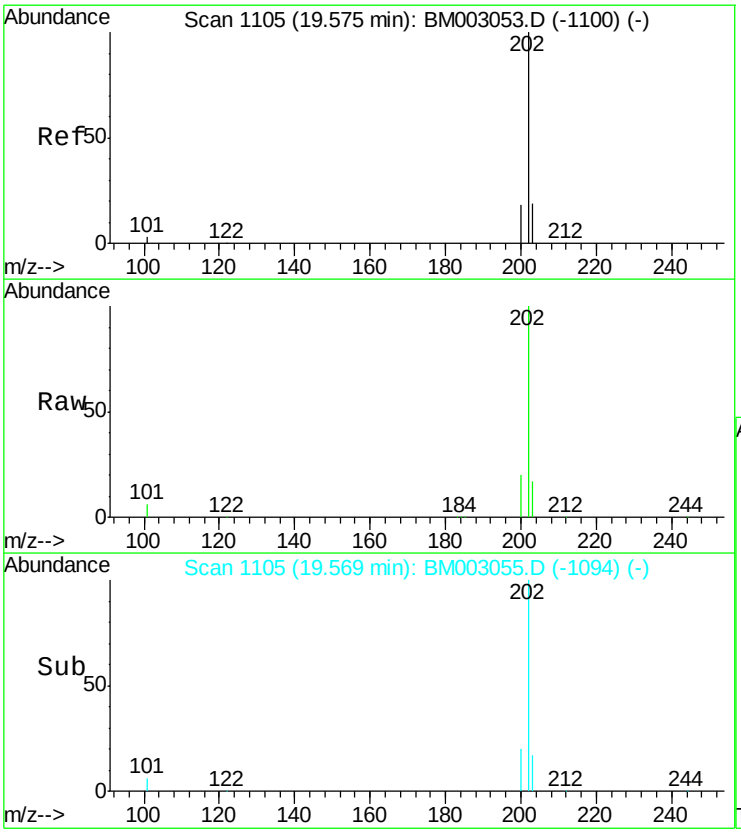
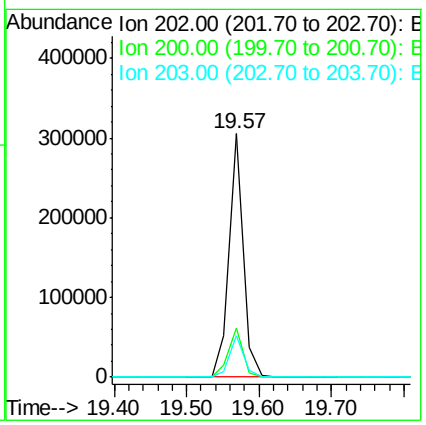
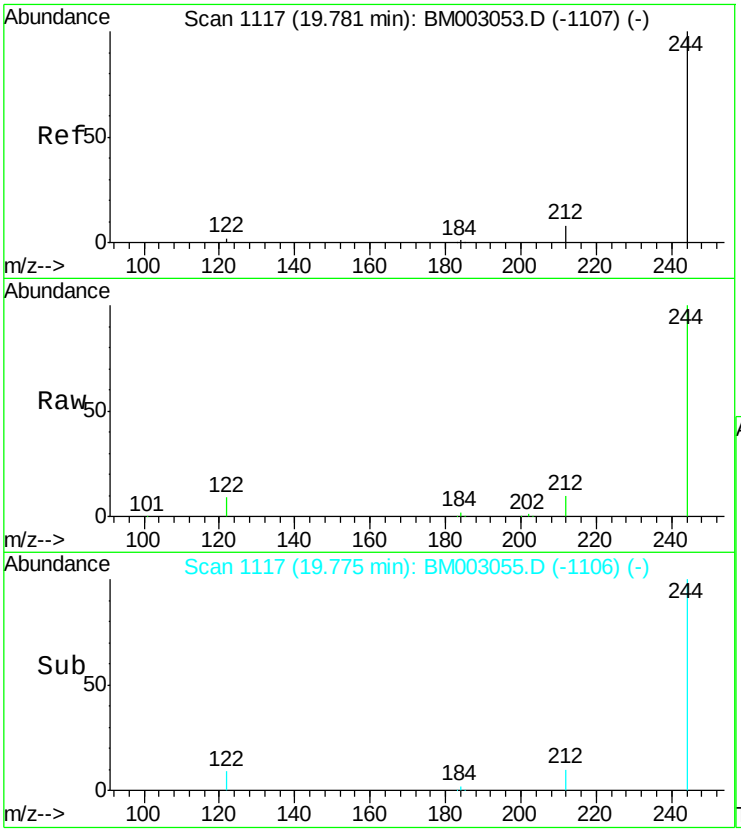


#28
Pyrene
Concen: 4.60 ng
RT: 19.57 min Scan# 1105
Delta R.T. -0.01 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:202 Resp: 409170

Ion	Ratio	Lower	Upper
202	100		
200	20.8	0.0	0.0#
203	17.3	0.0	0.0#





#29
Terphenyl-d14
Concen: 4.22 ng
RT: 19.77 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:244 Resp: 191575

Ion	Ratio	Lower	Upper
244	100		
212	9.8	6.5	9.7#
122	9.2	2.0	3.0#

Instrument :
BNA_M
ClientSampleId :
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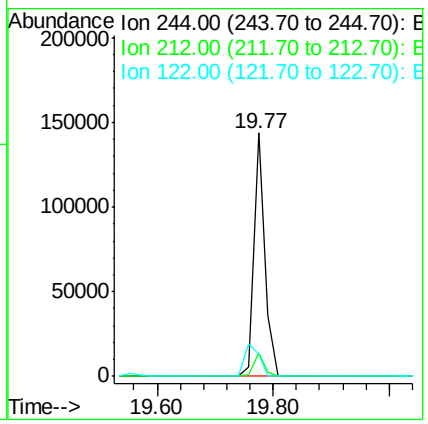
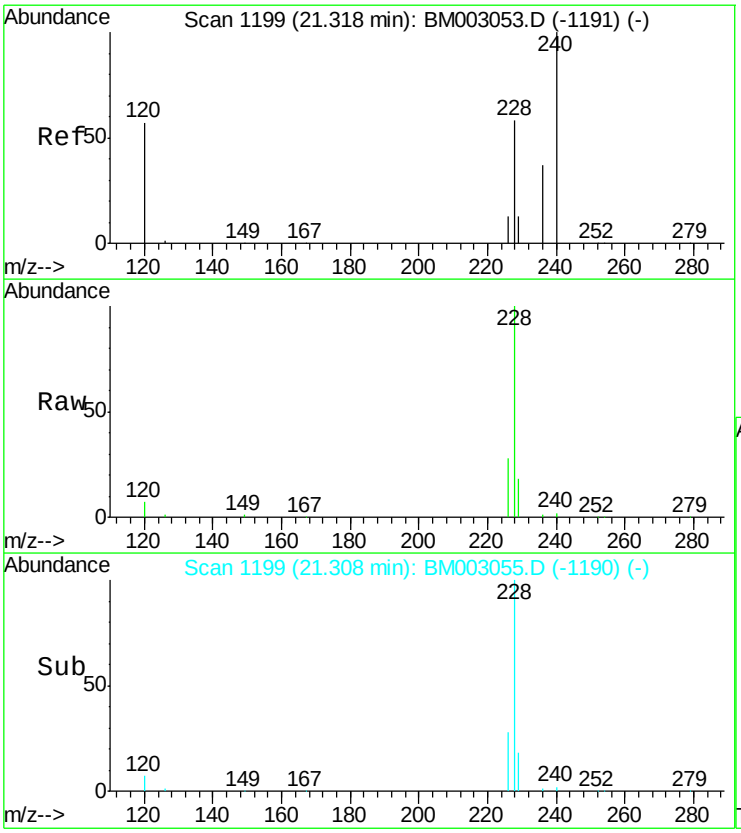
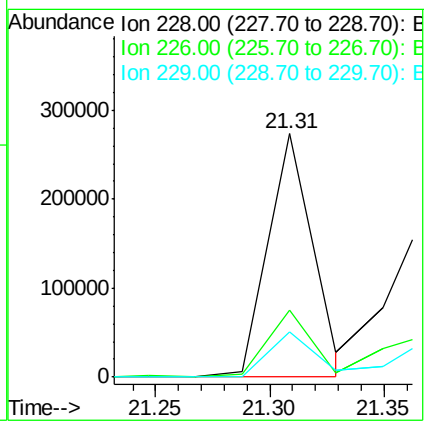


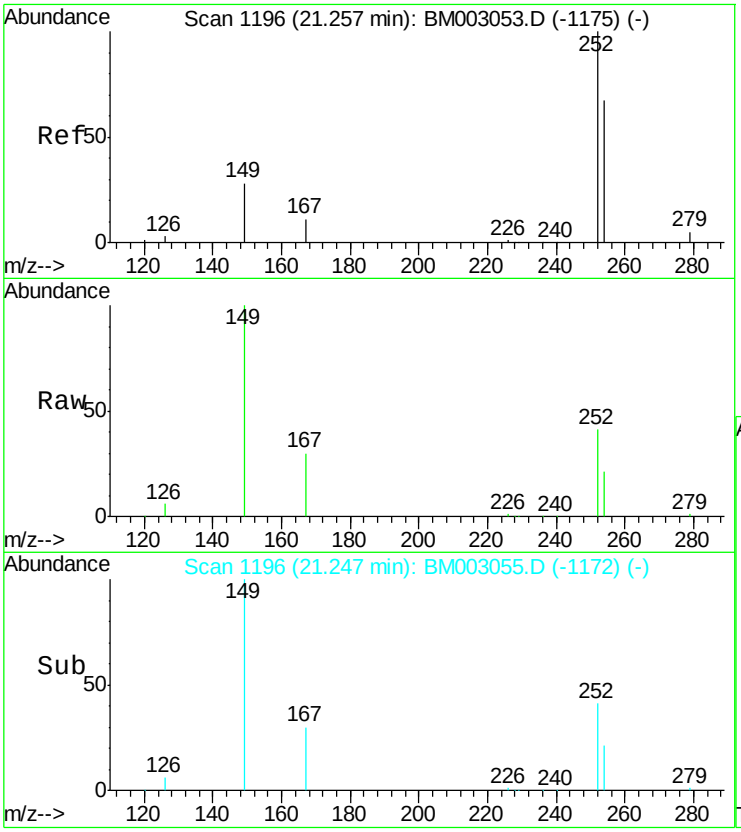


#30
Benzo(a)anthracene
Concen: 4.41 ng m
RT: 21.31 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:228 Resp: 377946

Ion	Ratio	Lower	Upper
228	100		
226	27.7	17.8	26.6#
229	18.4	18.0	27.0

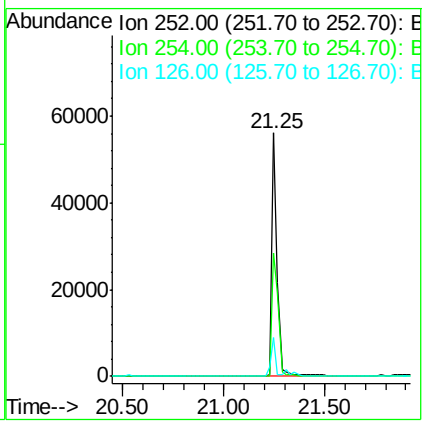




#31
3,3'-Dichlorobenzidine
Concen: 3.51 ng
RT: 21.25 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:252 Resp: 101472

Ion	Ratio	Lower	Upper
252	100		
254	50.4	53.7	80.5#
126	15.8	2.8	4.2#



Instrument :
BNA_M
ClientSampleId :
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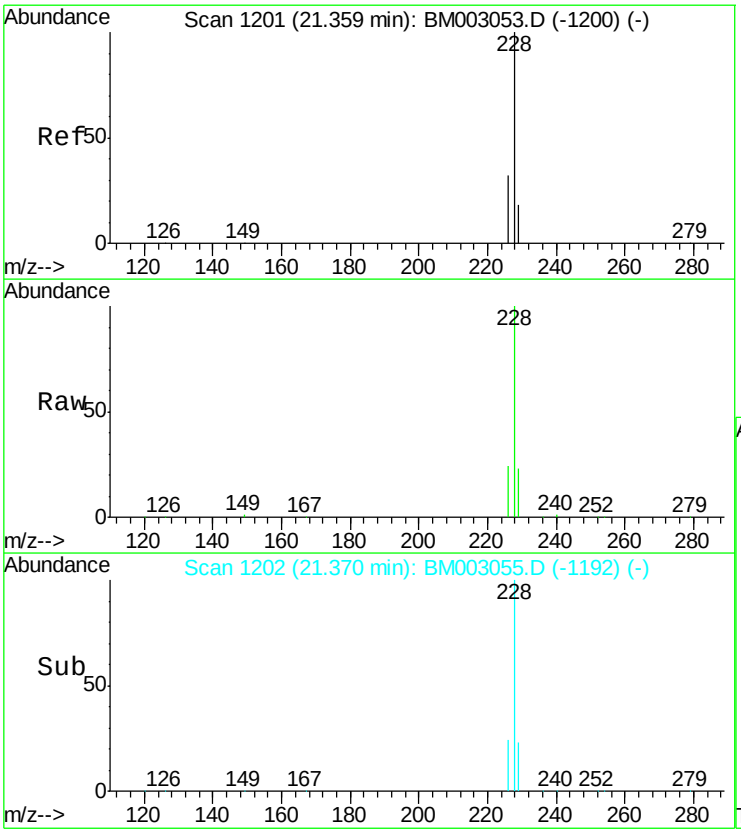
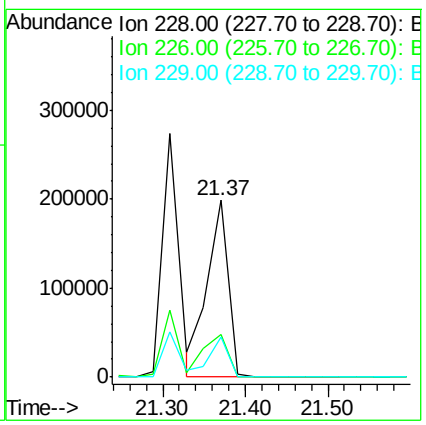
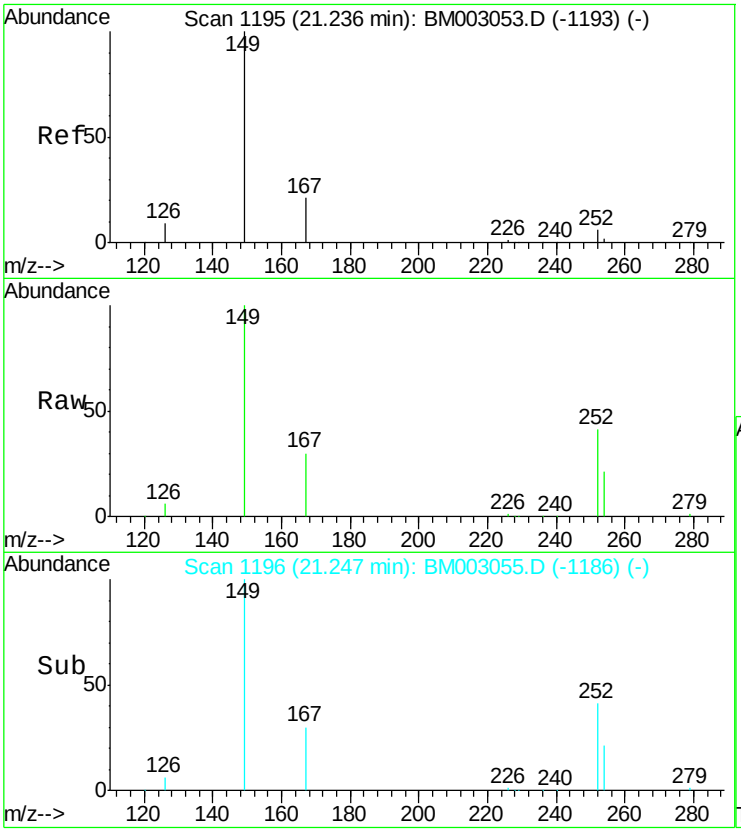


#32
Chrysene
Concen: 4.17 ng m
RT: 21.37 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:228 Resp: 349229

Ion	Ratio	Lower	Upper
228	100		
226	24.4	25.5	38.3#
229	22.6	14.3	21.5#





#33
Bis(2-ethylhexyl)phthalate
Concen: 3.86 ng
RT: 21.25 min Scan# 1196
Delta R.T. 0.01 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Instrument :
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ClientSampleId :
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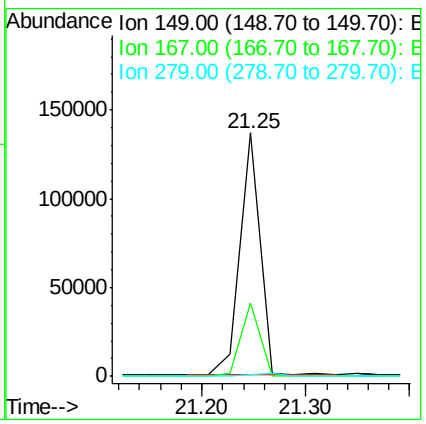
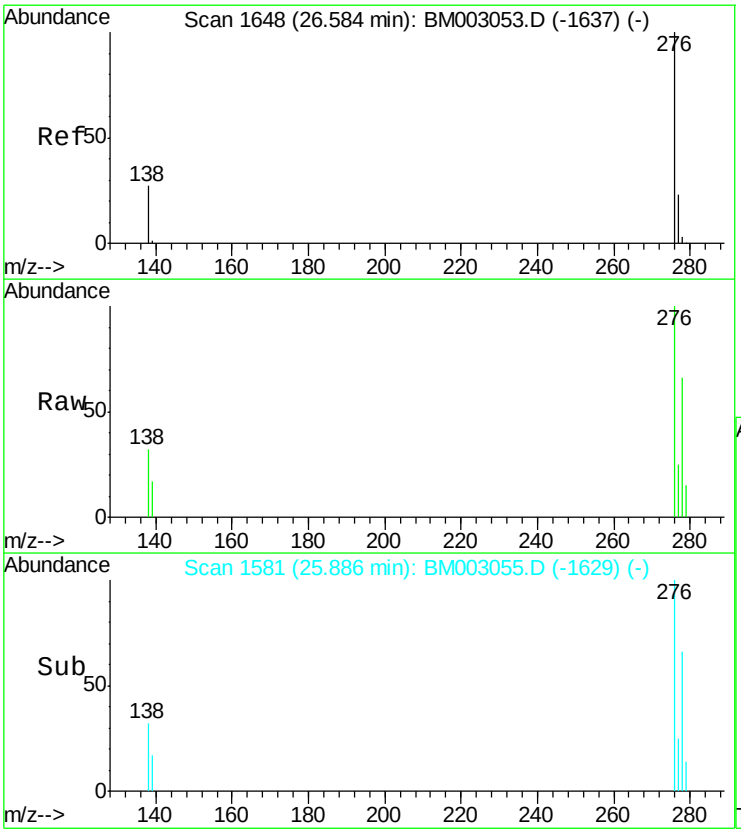
Tgt Ion:149 Resp: 186126

Ion	Ratio	Lower	Upper
149	100		
167	28.9	0.0	0.0#
279	0.0	0.0	0.0

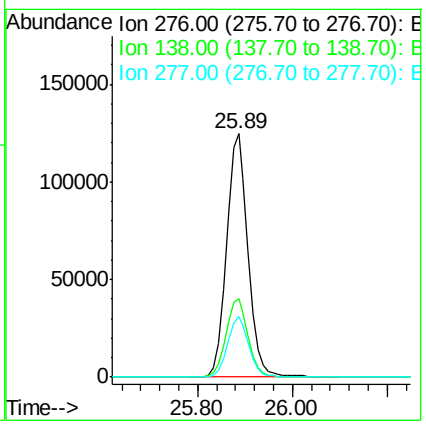


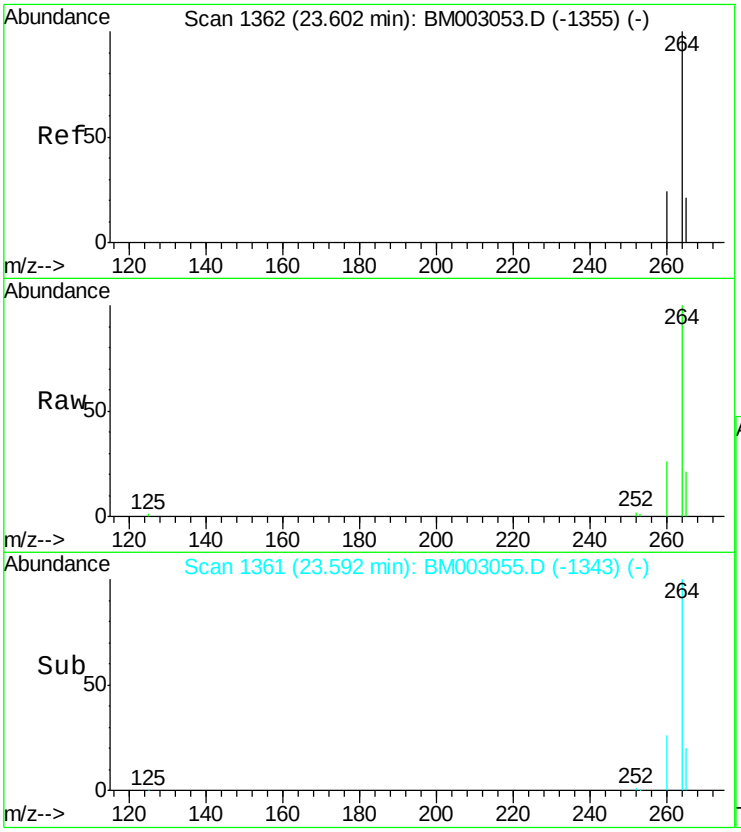


#34
Indeno(1,2,3-cd)pyrene
Concen: 4.69 ng m
RT: 25.89 min Scan# 1581
Delta R.T. -0.70 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:276 Resp: 391567

Ion	Ratio	Lower	Upper
276	100		
138	23.6	0.0	0.0#
277	19.6	0.0	0.0#

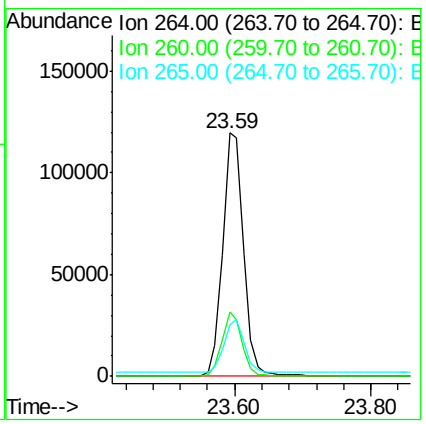




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.59 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:264 Resp: 252330

Ion	Ratio	Lower	Upper
264	100		
260	26.5	19.6	29.4
265	21.4	18.4	27.6



Instrument :
BNA_M
ClientSampleId :
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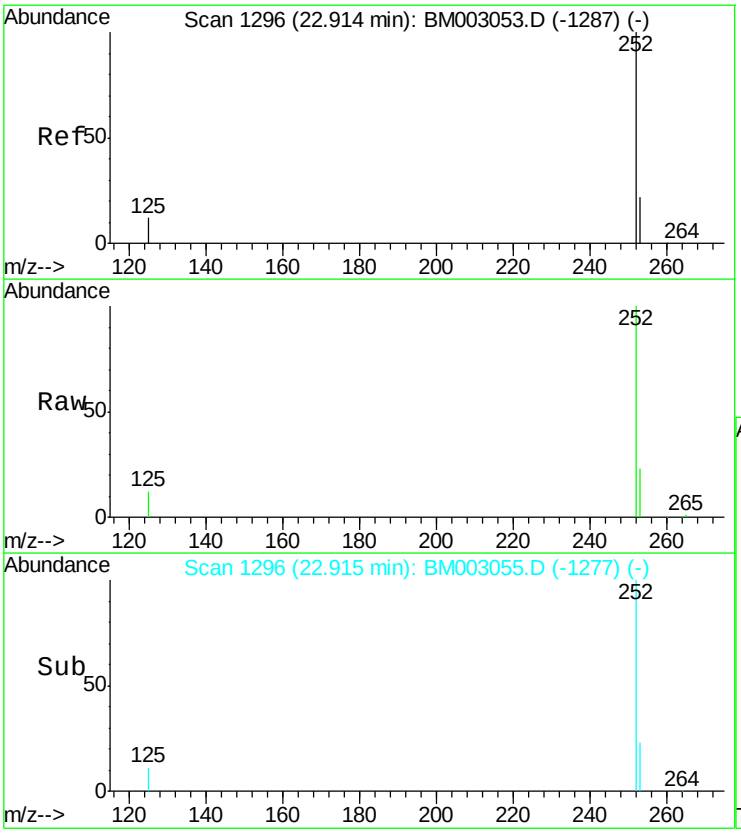
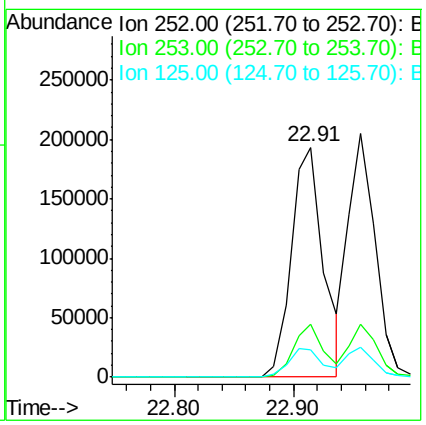
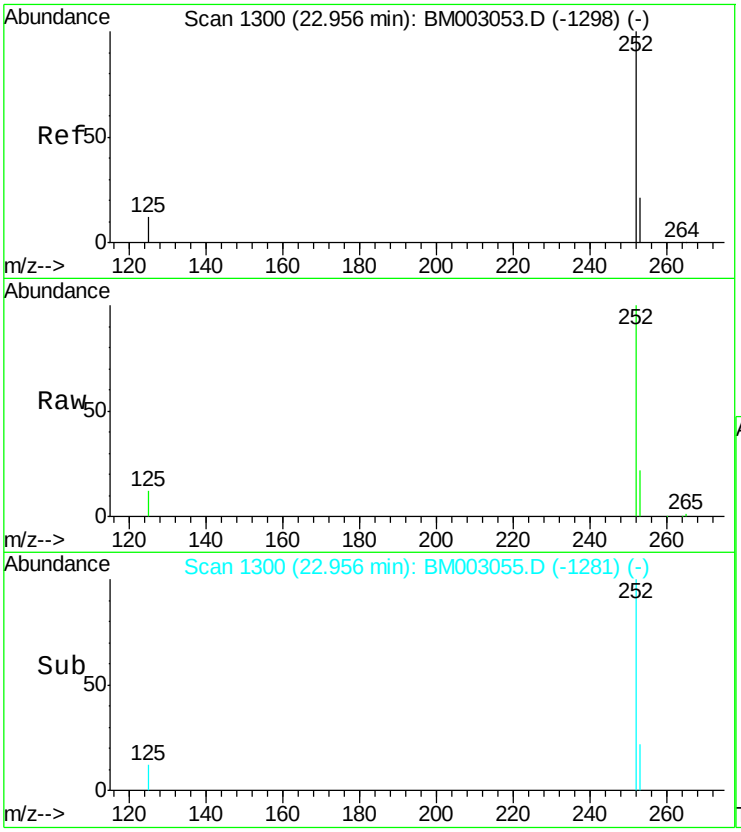


#36
Benzo(b)fluoranthene
Concen: 4.96 ng
RT: 22.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:252 Resp: 361538

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.4
125	11.7	10.3	15.5

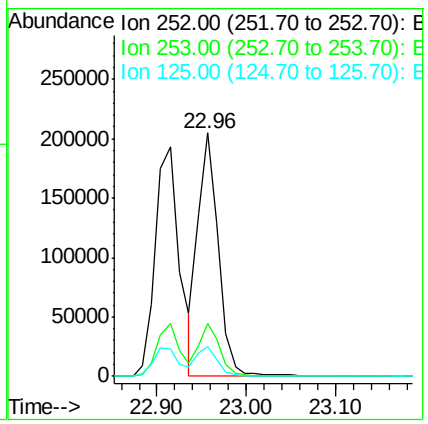




#37
Benzo(k)fluoranthene
Concen: 4.58 ng
RT: 22.96 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

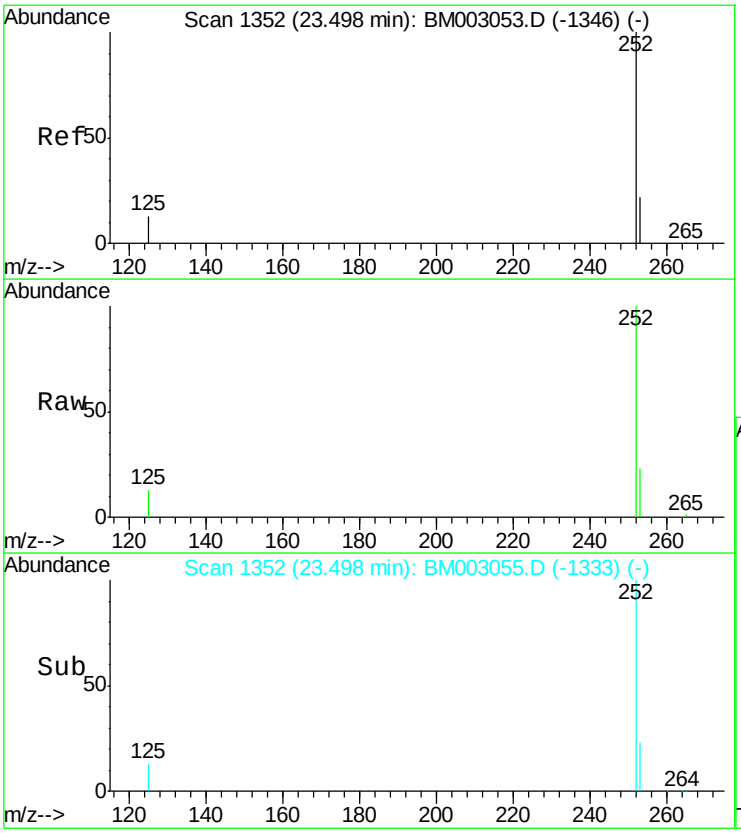
Tgt Ion:252 Resp: 325024

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	12.3	10.7	16.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

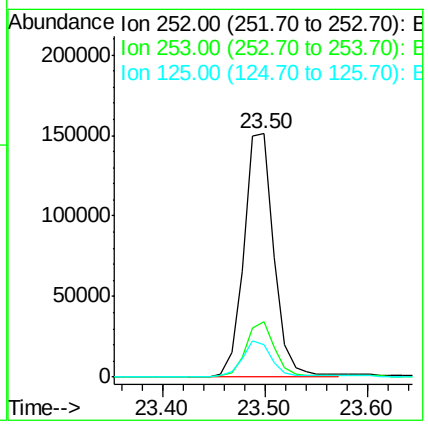
Manual Integrations APPROVED
Mmdadoda
11/5/2015 2:18:56 PM

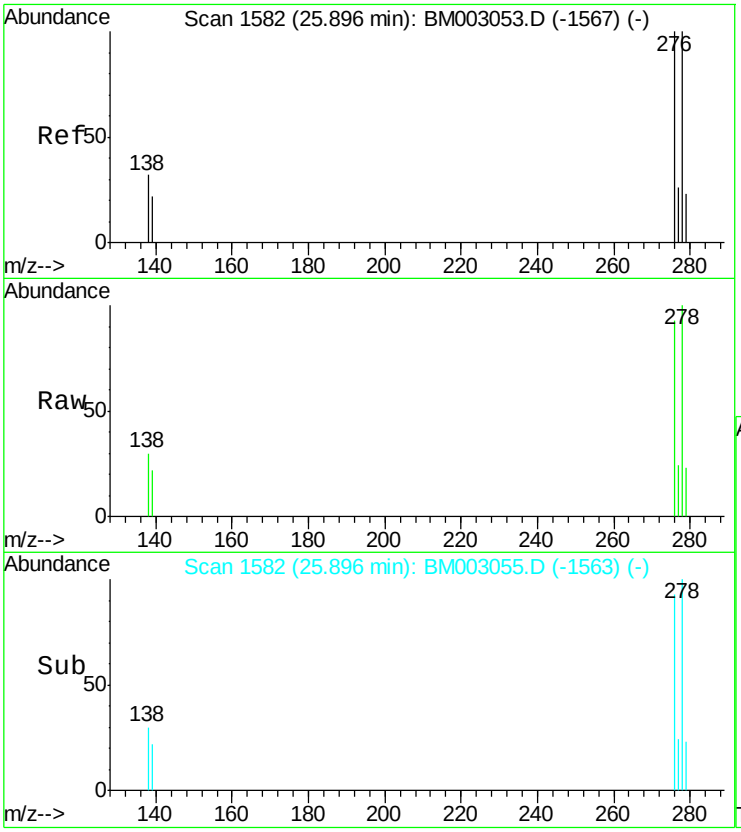


#38
Benzo(a)pyrene
Concen: 4.78 ng
RT: 23.50 min Scan# 1352
Delta R.T. 0.00 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:252 Resp: 305633

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.7	28.1
125	13.1	11.6	17.4

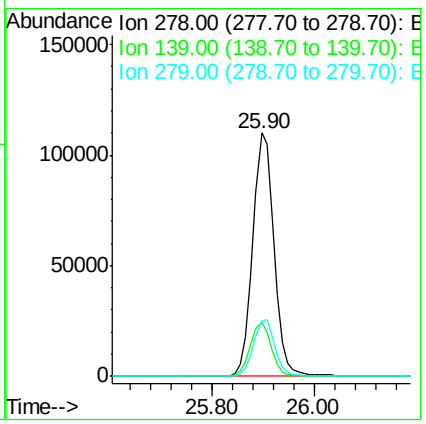




#39
Dibenzo(a,h)anthracene
Concen: 5.14 ng
RT: 25.90 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

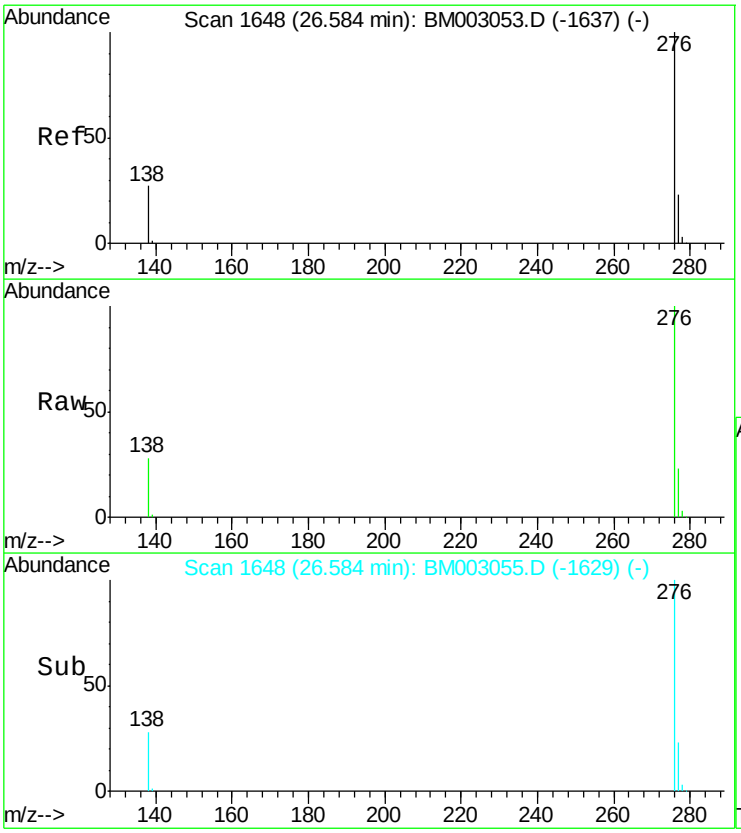
Tgt Ion:278 Resp: 316388

Ion	Ratio	Lower	Upper
278	100		
139	22.3	18.2	27.4
279	23.0	18.8	28.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Mmdadoda
11/5/2015 2:18:56 PM



#40
Benzo(g,h,i)perylene
Concen: 5.07 ng
RT: 26.58 min Scan# 1648
Delta R.T. 0.00 min
Lab File: BM003055.D
Acq: 04 Nov 2015 22:14

Tgt Ion:276 Resp: 327138

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.6
138	27.7	22.3	33.5