Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122915\
Data File : BM003828.D
Acq On : 28 Dec 2015 14:52
Operator : UM/SJ
Sample : G4862-11
Misc :
ALS Vial : 5 Sample Multiplier: 4

Instrument : BNA_M
ClientSampleId : AST-HC-EAST

Quant Time: Dec 29 02:24:20 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 24 10:08:49 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	212896	20.00	ng		0.00
7) Naphthalene-d8	10.46	136	894727	20.00	ng		-0.02
13) Acenaphthene-d10	14.33	164	496420	20.00	ng		0.00
19) Phenanthrene-d10	17.06	188	898321	20.00	ng		0.00
26) Chrysene-d12	21.29	240	836536	20.00	ng		0.00
35) Perylene-d12	23.53	264	623464	20.00	ng		0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.28	112	2046607	162.74	ng		0.02
5) Phenol-d6	6.87	99	2580084	167.52	ng		0.00
8) Nitrobenzene-d5	8.85	82	1526120	128.75	ng		0.00
14) 2,4,6-Tribromophenol	15.84	330	685306	172.90	ng		0.00
15) 2-Fluorobiphenyl	12.96	172	3565830	93.92	ng		0.00
29) Terphenyl-d14	19.72	244	2357431	72.00	ng		0.00
Target Compounds							Qvalue
10) Naphthalene	10.51	128	17757	0.35	ng		99
12) 2-Methylnaphthalene	12.14	142	9504	0.28	ng		97
16) Acenaphthylene	14.04	152	114074	2.02	ng		100
17) Acenaphthene	14.39	154	19627	0.63	ng		95
18) Fluorene	15.39	166	43151	0.99	ng	#	86
23) Phenanthrene	17.11	178	529726	9.40	ng		99
24) Anthracene	17.22	178	147505m	2.86	ng		
25) Fluoranthene	19.14	202	1097320	15.31	ng		99
28) Pyrene	19.52	202	1245029	17.95	ng	#	94
30) Benzo(a)anthracene	21.27	228	614122m	9.79	ng		
32) Chrysene	21.31	228	465824m	7.85	ng		
33) Bis(2-ethylhexyl)phthalate	21.19	149	122866	3.35	ng	#	99
34) Indeno(1,2,3-cd)pyrene	25.78	276	190188	4.31	ng		95
36) Benzo(b)fluoranthene	22.85	252	581410m	11.41	ng		
37) Benzo(k)fluoranthene	22.89	252	161445m	3.44	ng		
38) Benzo(a)pyrene	23.42	252	355401	8.15	ng		98
39) Dibenzo(a,h)anthracene	25.78	278	51427	1.50	ng	#	83
40) Benzo(g,h,i)perylene	26.47	276	193259	5.40	ng		97

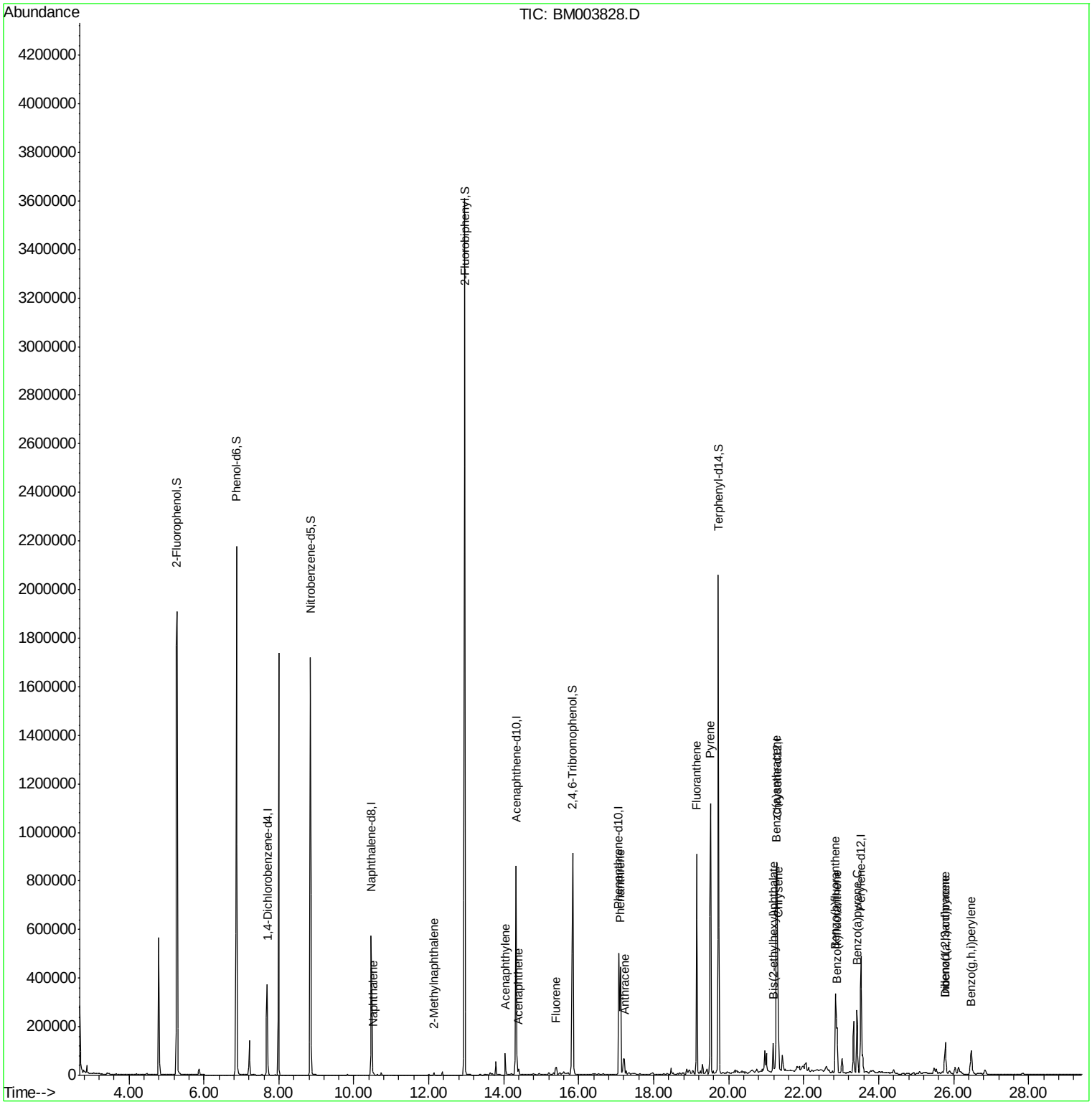
(#) = qualifier out of range (m) = manual integration (+) = signals summed

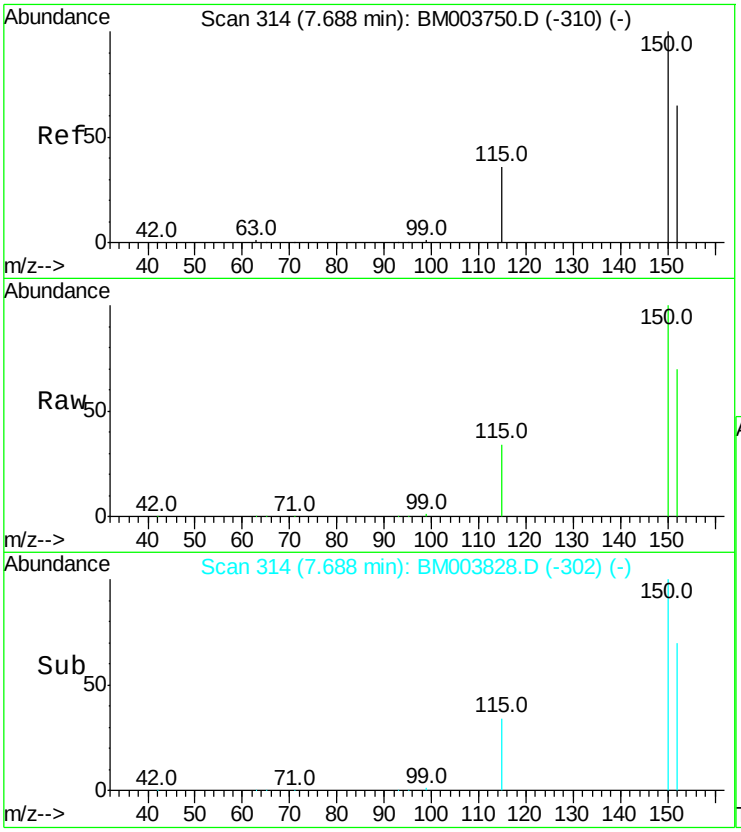
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122915\
Data File : BM003828.D
Acq On : 28 Dec 2015 14:52
Operator : UM/SJ
Sample : G4862-11
Misc :
ALS Vial : 5 Sample Multiplier: 4

Instrument :
BNA_M
ClientSampleId :
AST-HC-EAST

Quant Time: Dec 29 02:24:20 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 24 10:08:49 2015
Response via : Initial Calibration



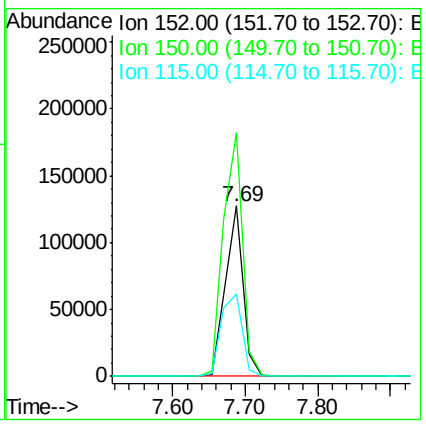


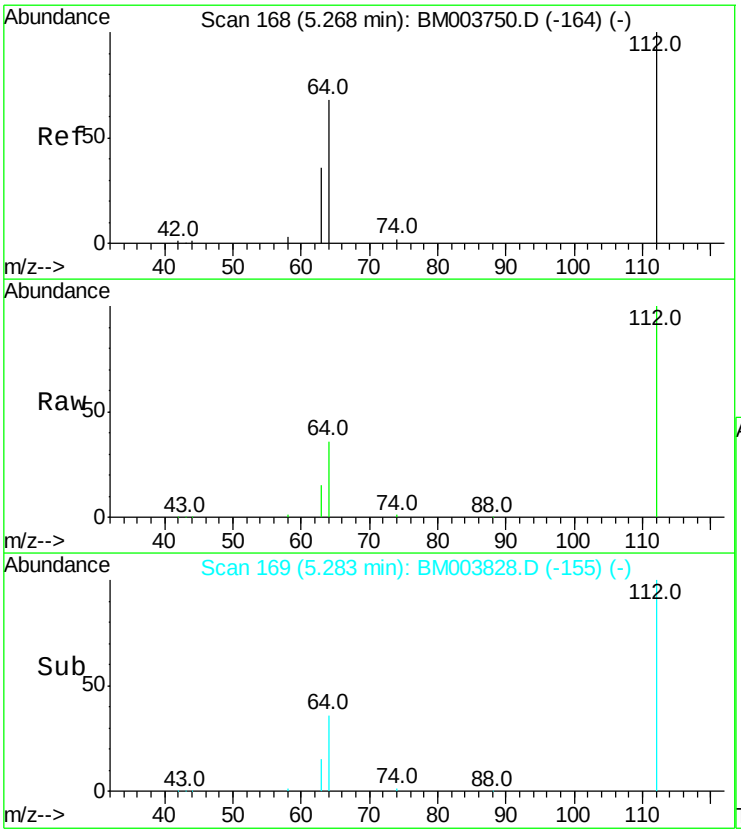
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.69 min Scan# 314
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Instrument :
BNA_M
ClientSampleId :
AST-HC-EAST

Tgt Ion:152 Resp: 212896

Ion	Ratio	Lower	Upper
152	100		
150	143.2	122.9	184.3
115	48.4	44.4	66.6

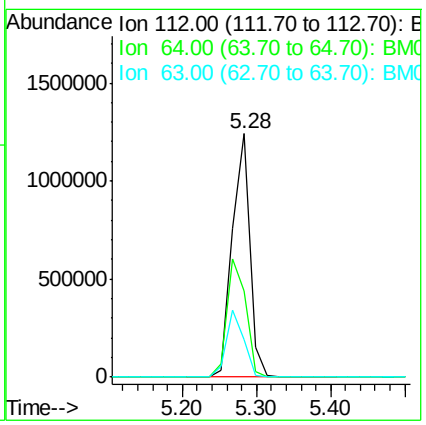


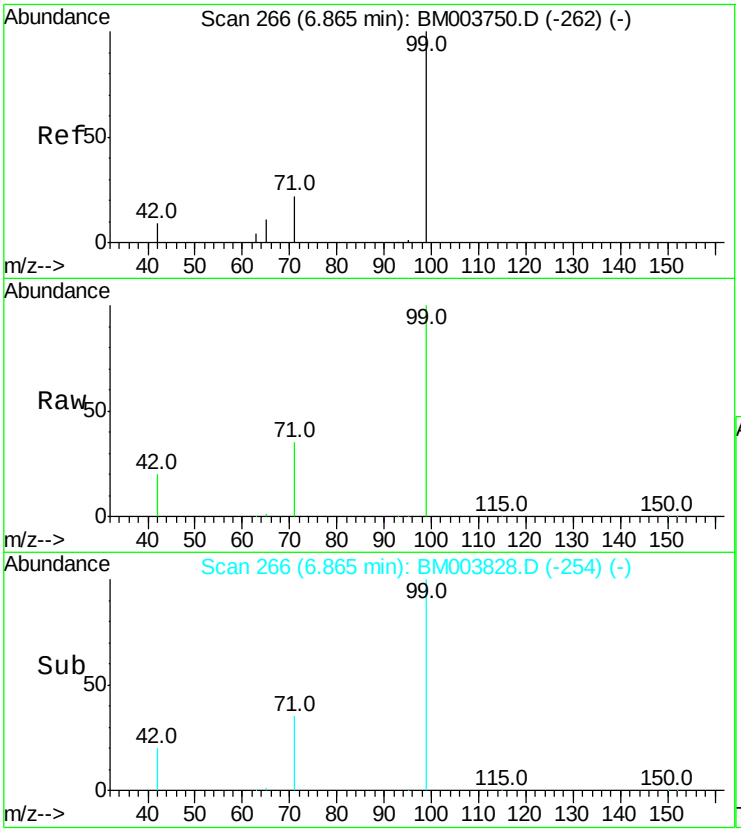


#4
2-Fluorophenol
Concen: 162.74 ng
RT: 5.28 min Scan# 169
Delta R.T. 0.02 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Tgt Ion:112 Resp: 2046607

Ion	Ratio	Lower	Upper
112	100		
64	52.0	41.8	62.8
63	27.2	22.1	33.1



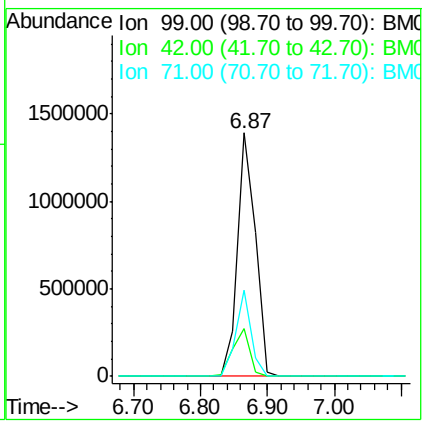


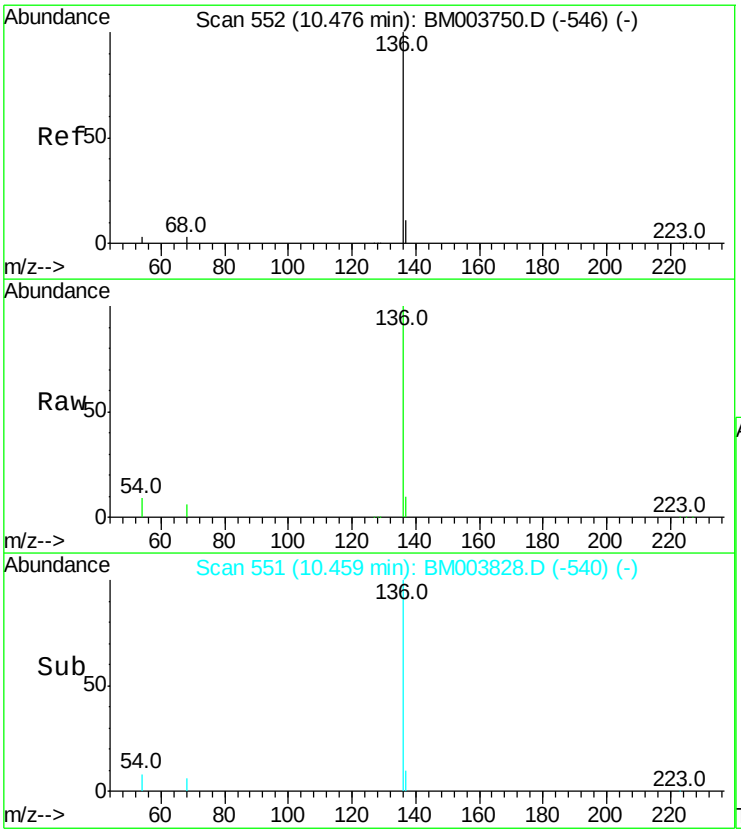
#5
Phenol-d6
Concen: 167.52 ng
RT: 6.87 min Scan# 266
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Instrument :
BNA_M
ClientSampleId :
AST-HC-EAST

Tgt Ion: 99 Resp: 2580084

Ion	Ratio	Lower	Upper
99	100		
42	18.7	16.2	24.2
71	30.6	24.4	36.6

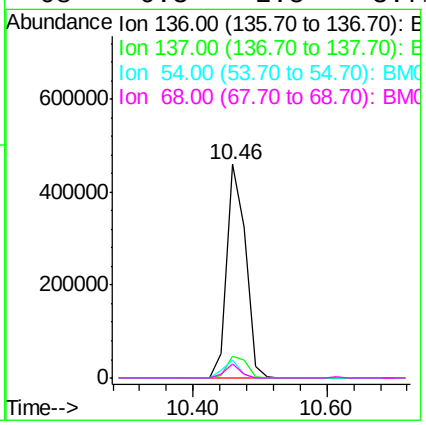


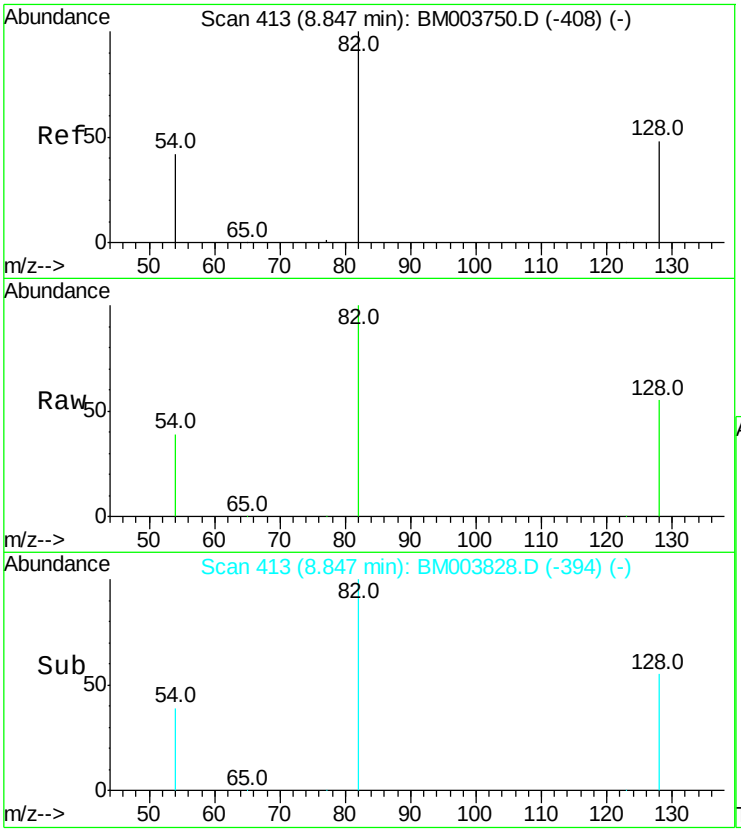


#7
Naphthalene-d8
Concen: 20.00 ng
RT: 10.46 min Scan# 551
Delta R.T. -0.02 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Tgt Ion:136 Resp: 894727

Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.2	13.8
54	8.5	2.8	4.2#
68	6.3	2.5	3.7#



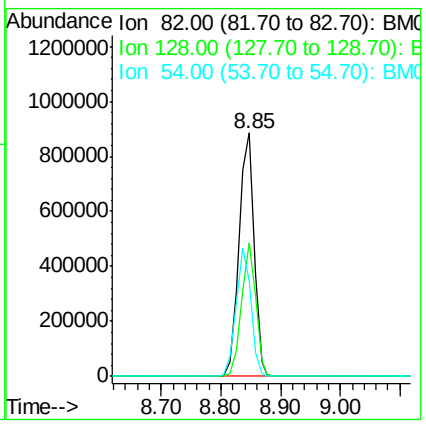


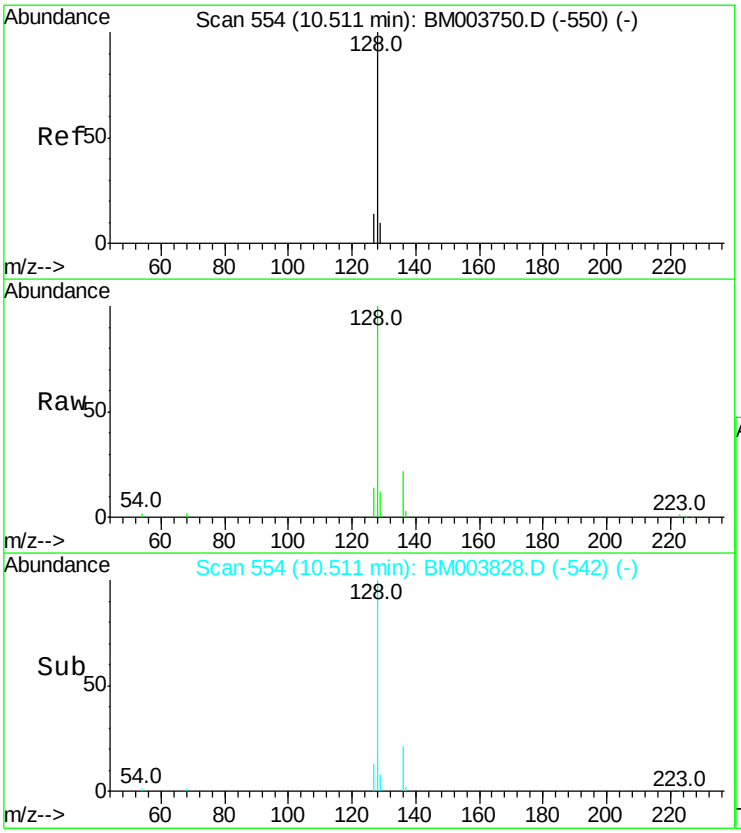
#8
Nitrobenzene-d5
Concen: 128.75 ng
RT: 8.85 min Scan# 413
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Instrument :
BNA_M
ClientSampleId :
AST-HC-EAST

Tgt Ion: 82 Resp: 1526120

Ion	Ratio	Lower	Upper
82	100		
128	54.7	39.1	58.7
54	39.1	34.8	52.2

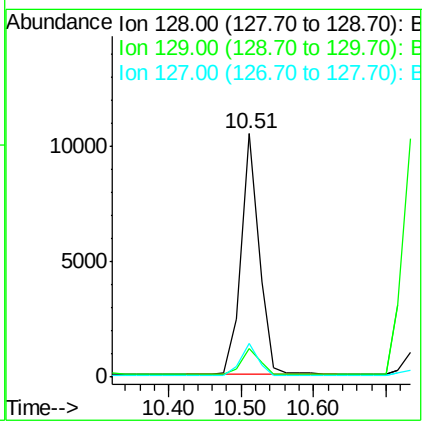


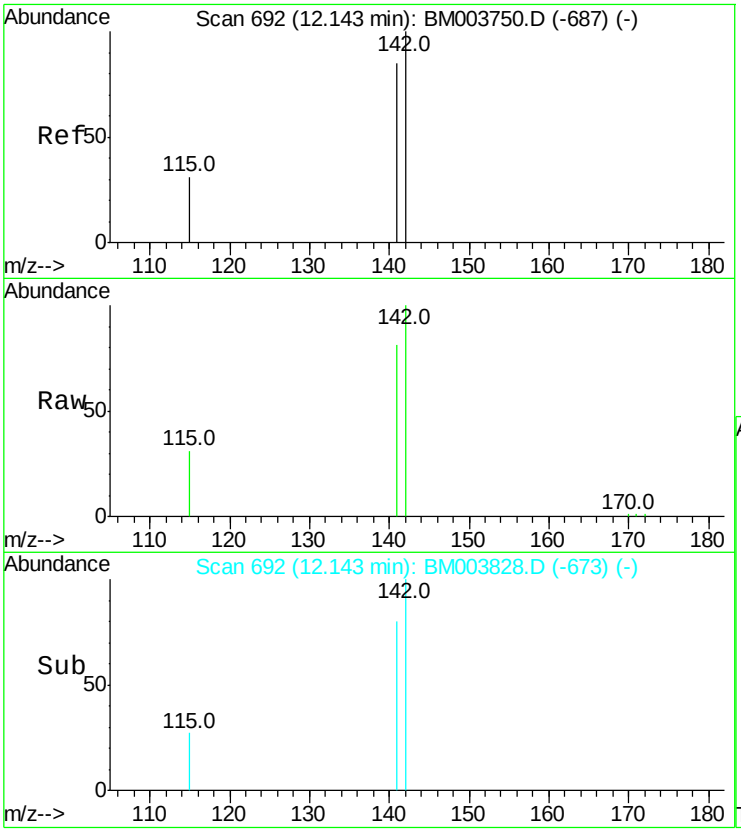


#10
Naphthalene
Concen: 0.35 ng
RT: 10.51 min Scan# 554
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Tgt Ion:128 Resp: 17757

Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.5	12.7
127	13.6	11.0	16.4



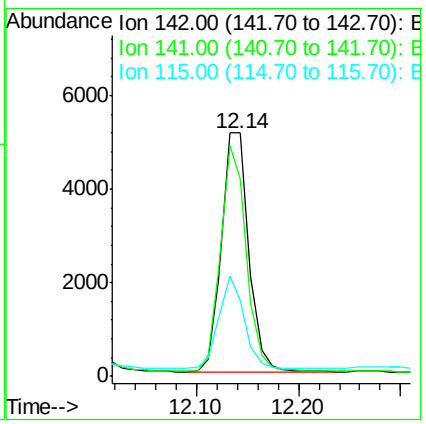


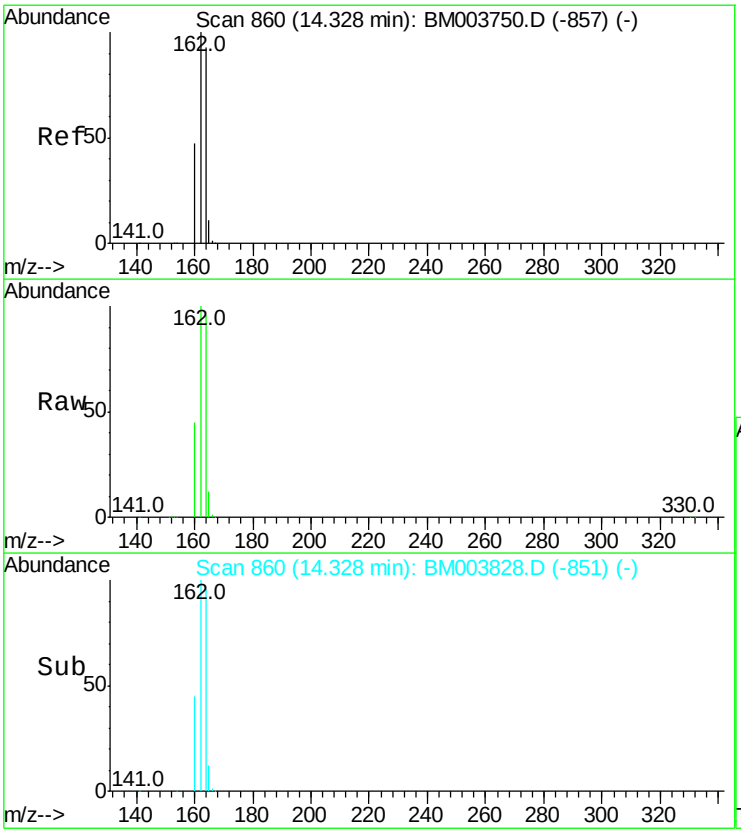
#12
2-Methylnaphthalene
Concen: 0.28 ng
RT: 12.14 min Scan# 692
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Instrument :
BNA_M
ClientSampleId :
AST-HC-EAST

Tgt Ion:142 Resp: 9504

Ion	Ratio	Lower	Upper
142	100		
141	81.3	67.8	101.8
115	31.1	25.3	37.9

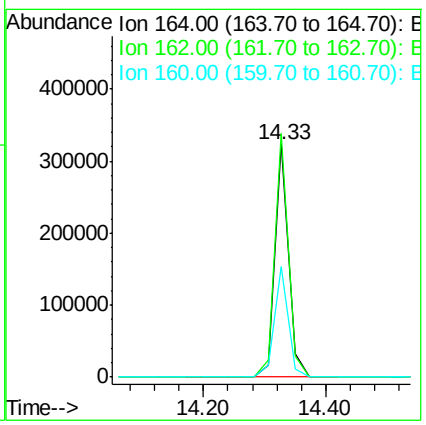


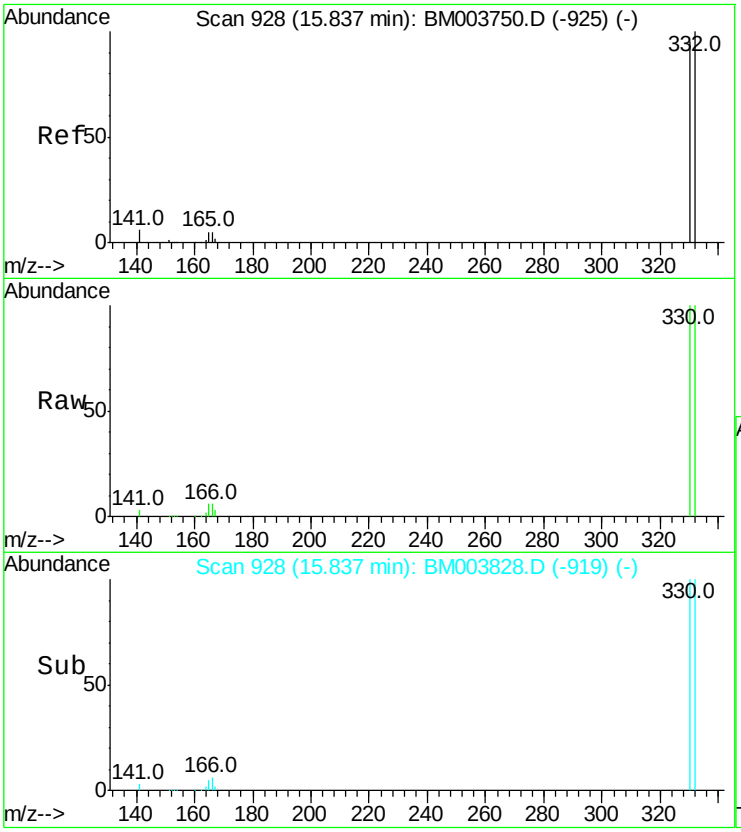


#13
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.33 min Scan# 860
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Tgt Ion:164 Resp: 496420

Ion	Ratio	Lower	Upper
164	100		
162	104.5	86.0	129.0
160	47.4	40.3	60.5



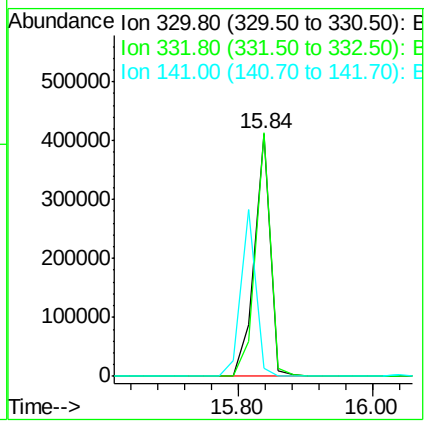


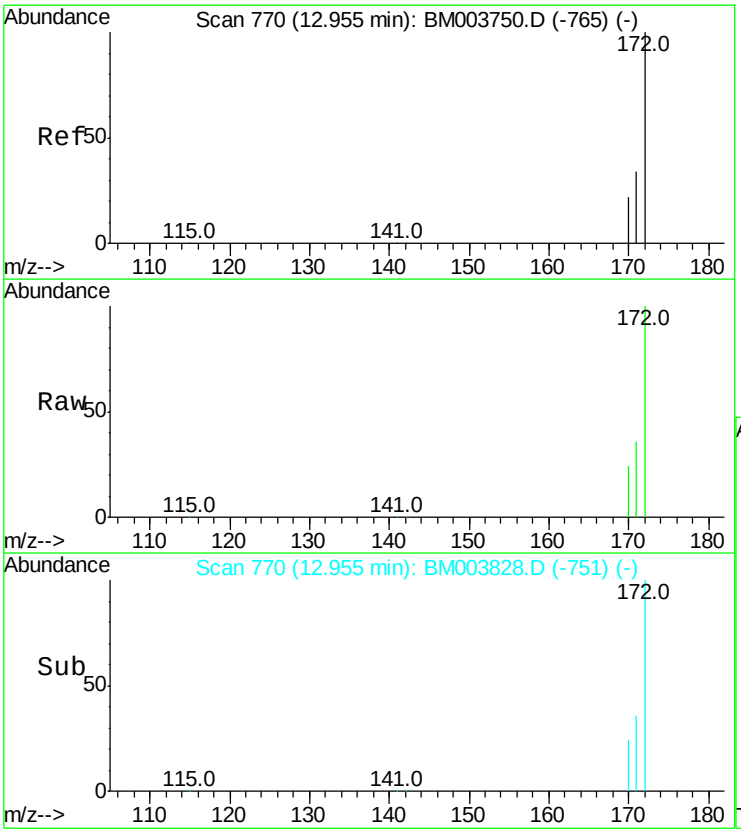
#14
2,4,6-Tribromophenol
Concen: 172.90 ng
RT: 15.84 min Scan# 928
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Instrument :
BNA_M
ClientSampleId :
AST-HC-EAST

Tgt Ion:330 Resp: 685306

Ion	Ratio	Lower	Upper
330	100		
332	95.4	79.0	118.4
141	0.0	0.0	0.0

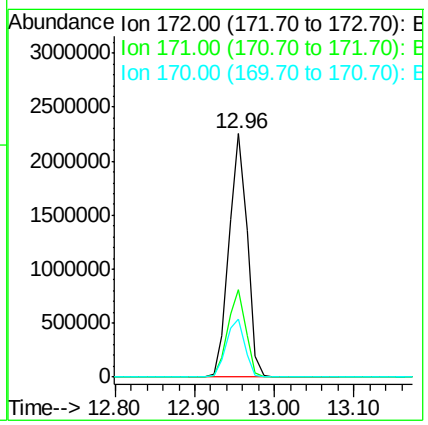


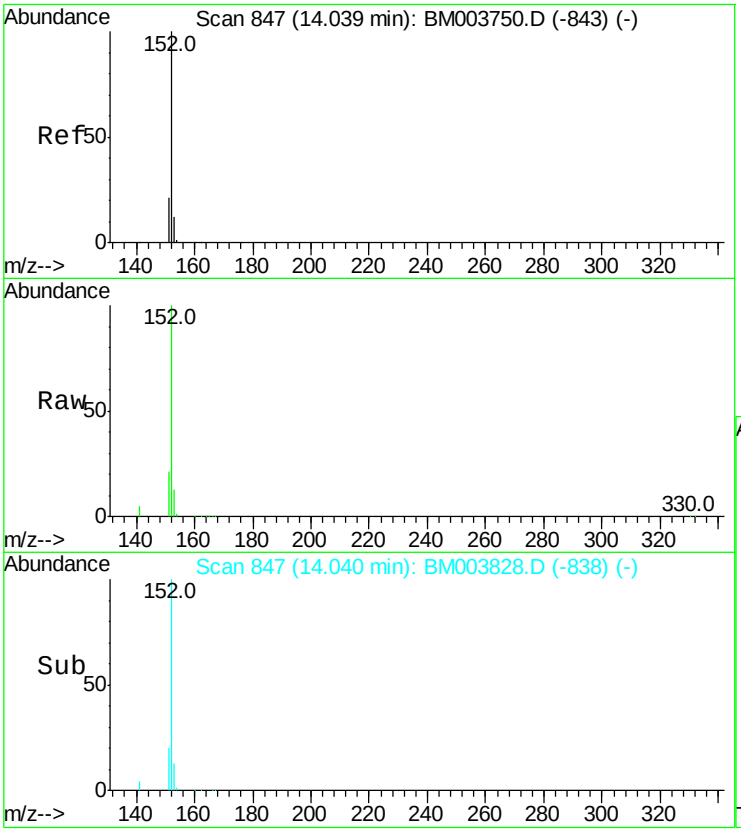


#15
2-Fluorobiphenyl
Concen: 93.92 ng
RT: 12.96 min Scan# 770
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Tgt Ion:172 Resp: 3565830

Ion	Ratio	Lower	Upper
172	100		
171	35.8	27.0	40.6
170	23.8	17.9	26.9



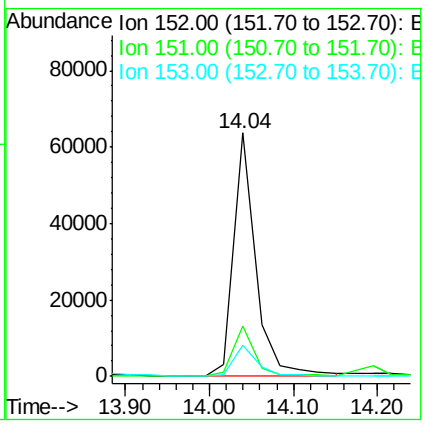


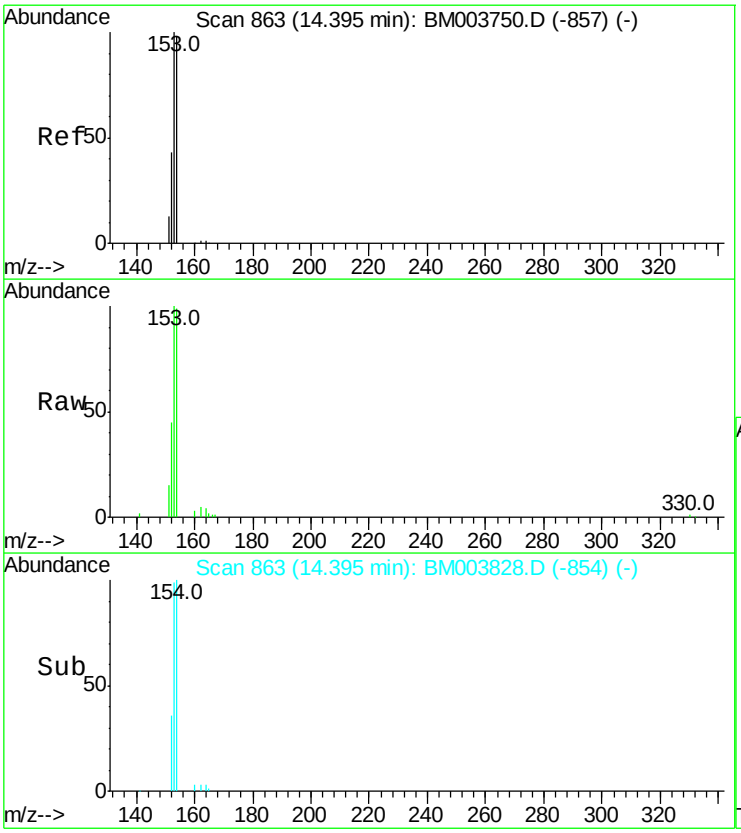
#16
Acenaphthylene
Concen: 2.02 ng
RT: 14.04 min Scan# 847
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Instrument :
BNA_M
ClientSampleId :
AST-HC-EAST

Tgt Ion:152 Resp: 114074

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.2	10.2	15.4

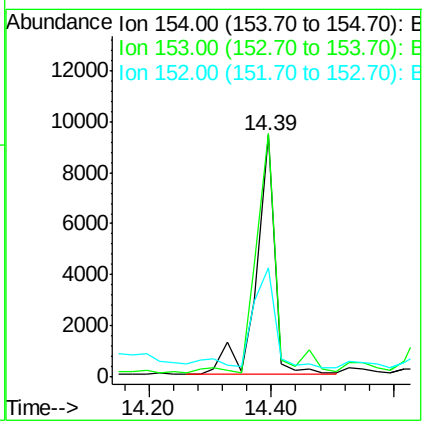


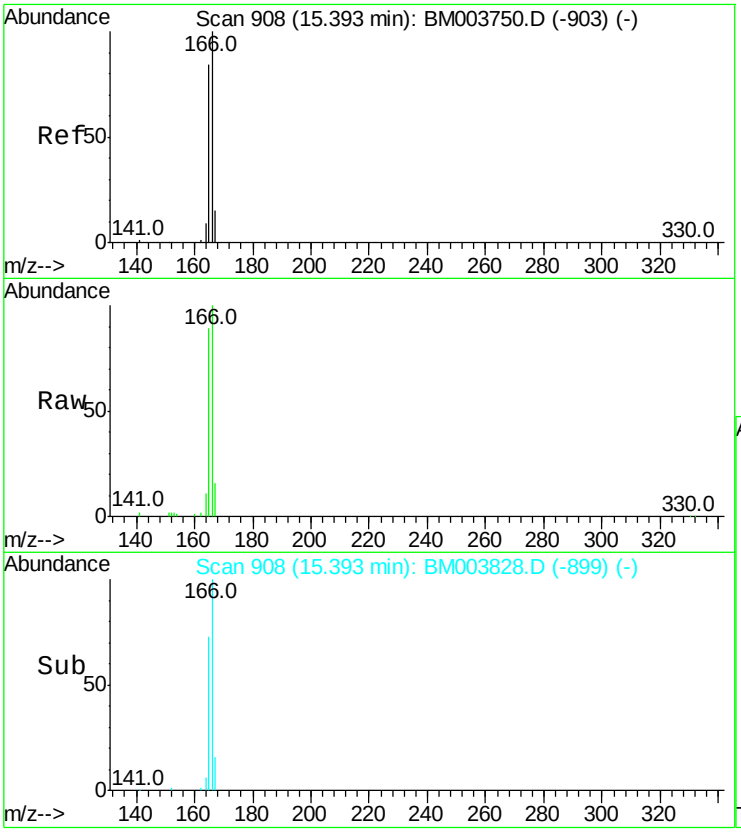


#17
Acenaphthene
Concen: 0.63 ng
RT: 14.39 min Scan# 863
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Tgt Ion:154 Resp: 19627

Ion	Ratio	Lower	Upper
154	100		
153	100.0	85.4	128.2
152	49.6	40.6	60.8



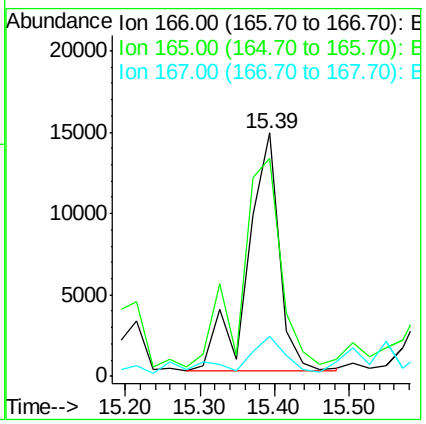


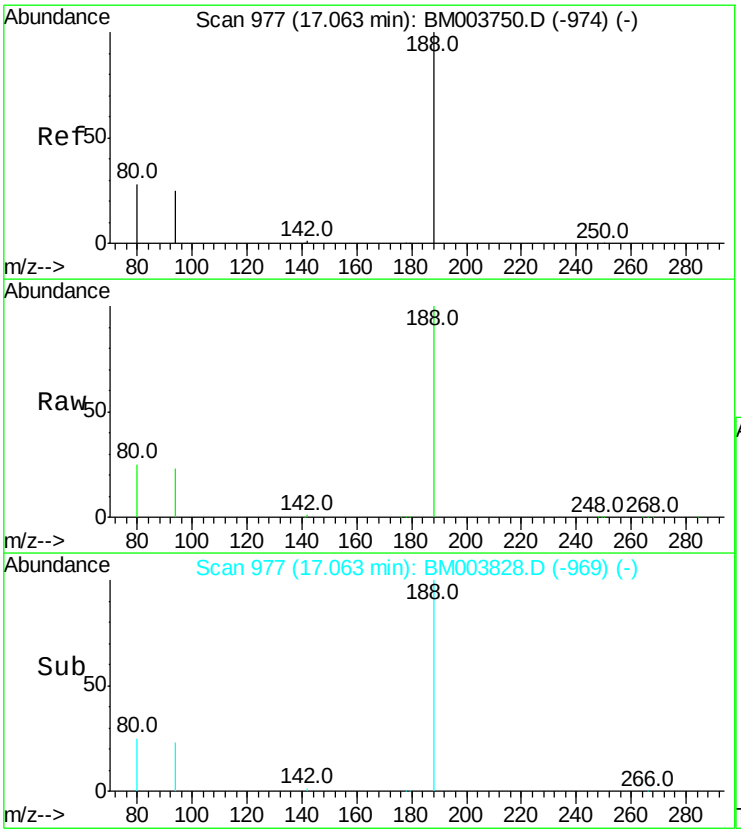
#18
Fluorene
Concen: 0.99 ng
RT: 15.39 min Scan# 908
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Instrument :
BNA_M
ClientSampleId :
AST-HC-EAST

Tgt Ion:166 Resp: 43151

Ion	Ratio	Lower	Upper
166	100		
165	109.0	77.2	115.8
167	22.8	11.0	16.6#

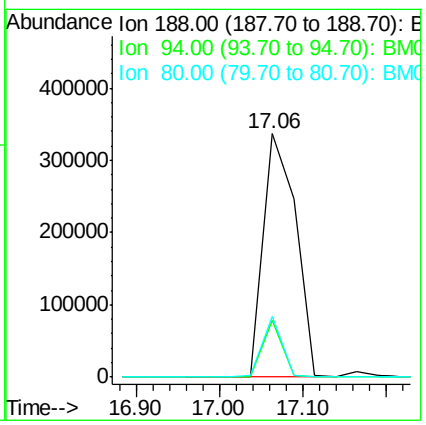


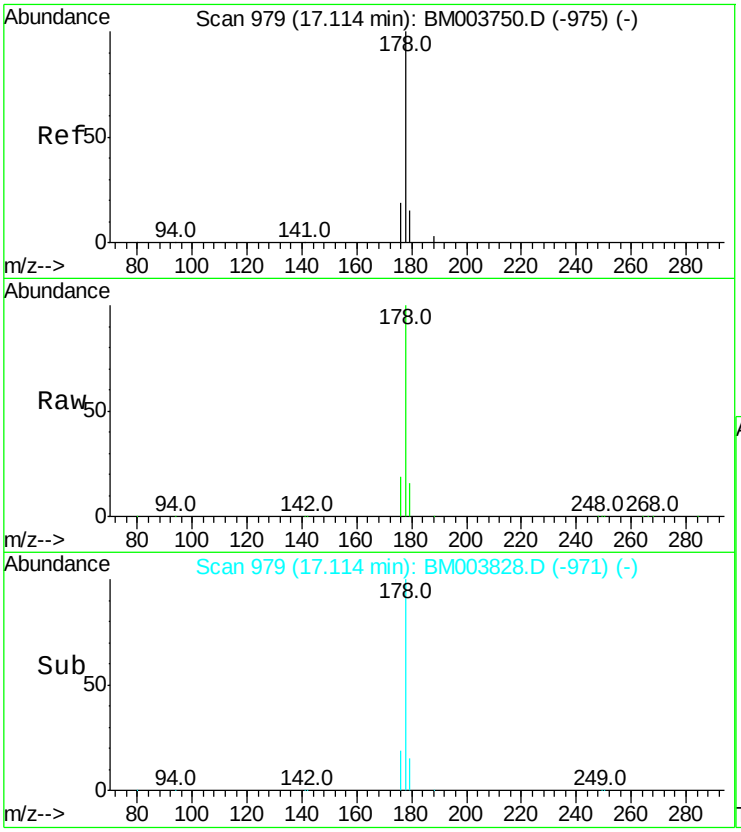


#19
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.06 min Scan# 977
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Tgt Ion:188 Resp: 898321

Ion	Ratio	Lower	Upper
188	100		
94	23.1	20.3	30.5
80	24.8	22.2	33.4



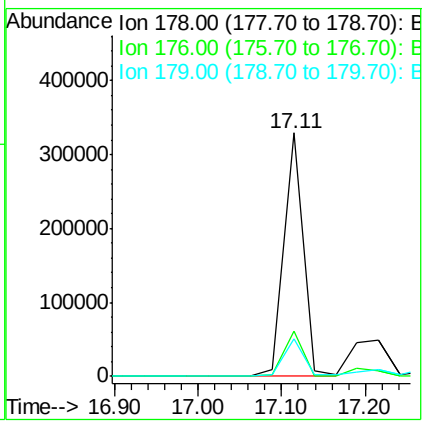


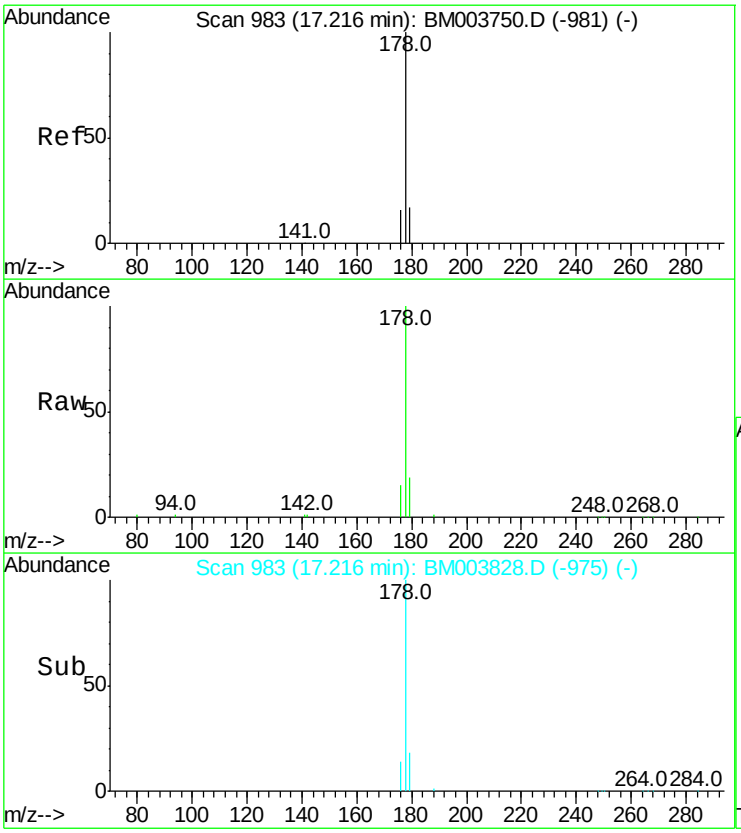
#23
Phenanthrene
Concen: 9.40 ng
RT: 17.11 min Scan# 979
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Instrument :
BNA_M
ClientSampleId :
AST-HC-EAST

Tgt Ion:178 Resp: 529726

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	16.3	12.2	18.4

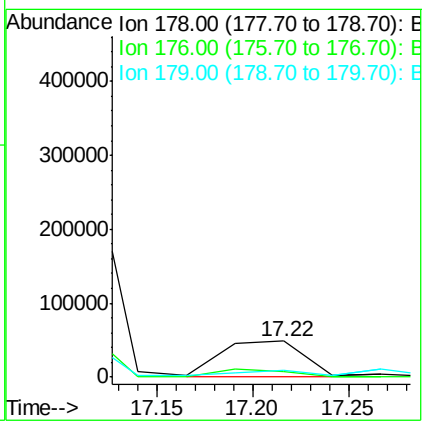


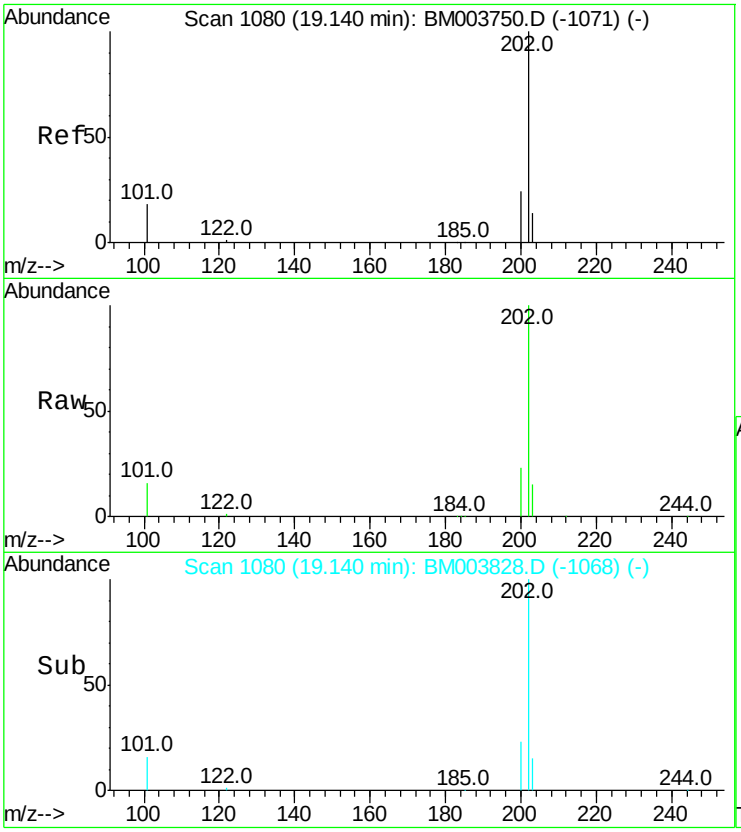


#24
Anthracene
Concen: 2.86 ng m
RT: 17.22 min Scan# 983
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Tgt Ion:178 Resp: 147505

Ion	Ratio	Lower	Upper
178	100		
176	67.7	14.6	21.8#
179	56.8	12.6	19.0#



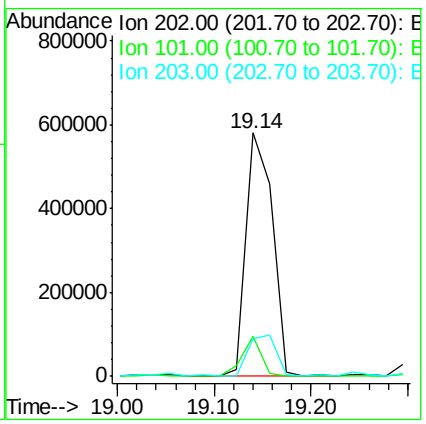


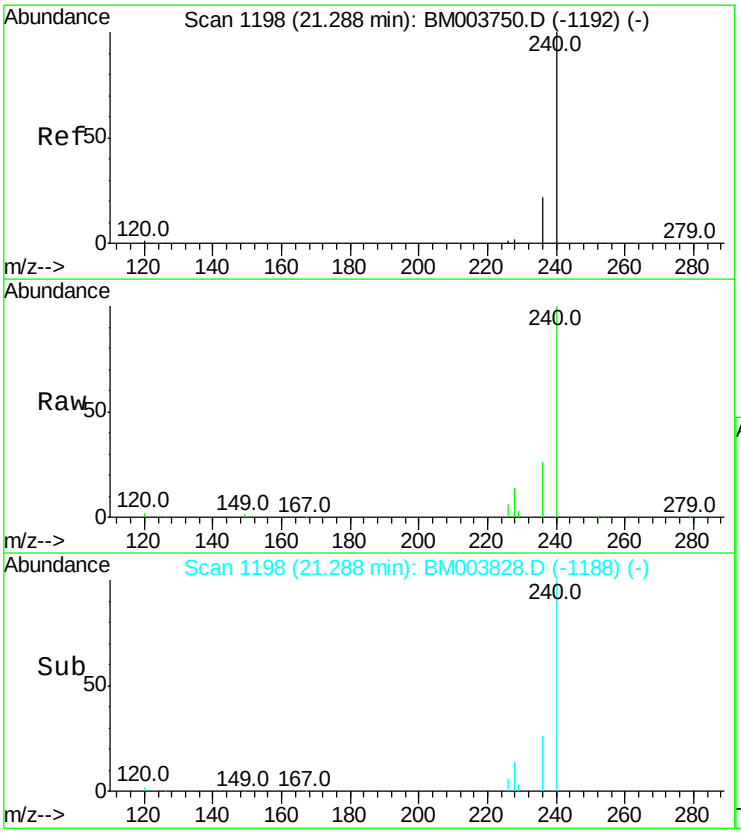
#25
Fluoranthene
Concen: 15.31 ng
RT: 19.14 min Scan# 1080
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Instrument :
BNA_M
ClientSampleId :
AST-HC-EAST

Tgt Ion:202 Resp: 1097320

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.7	14.5
203	17.6	13.8	20.8

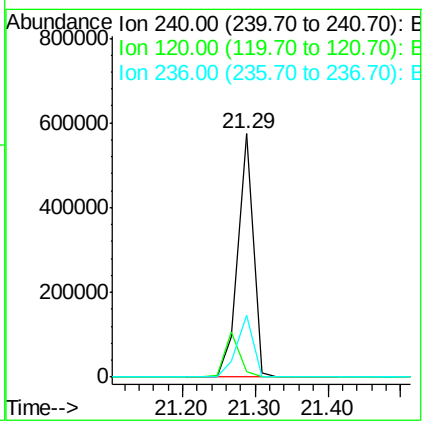


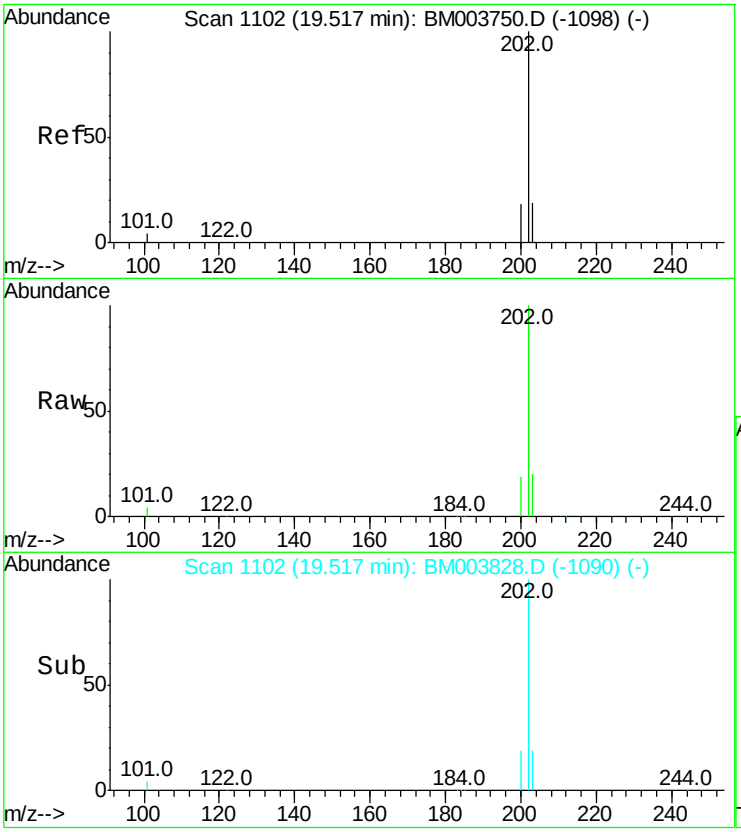


#26
Chrysene-d12
Concen: 20.00 ng
RT: 21.29 min Scan# 1198
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Tgt Ion:240 Resp: 836536

Ion	Ratio	Lower	Upper
240	100		
120	2.1	0.9	1.3#
236	25.6	17.3	25.9



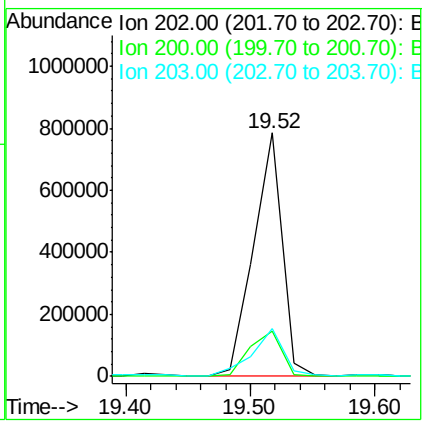


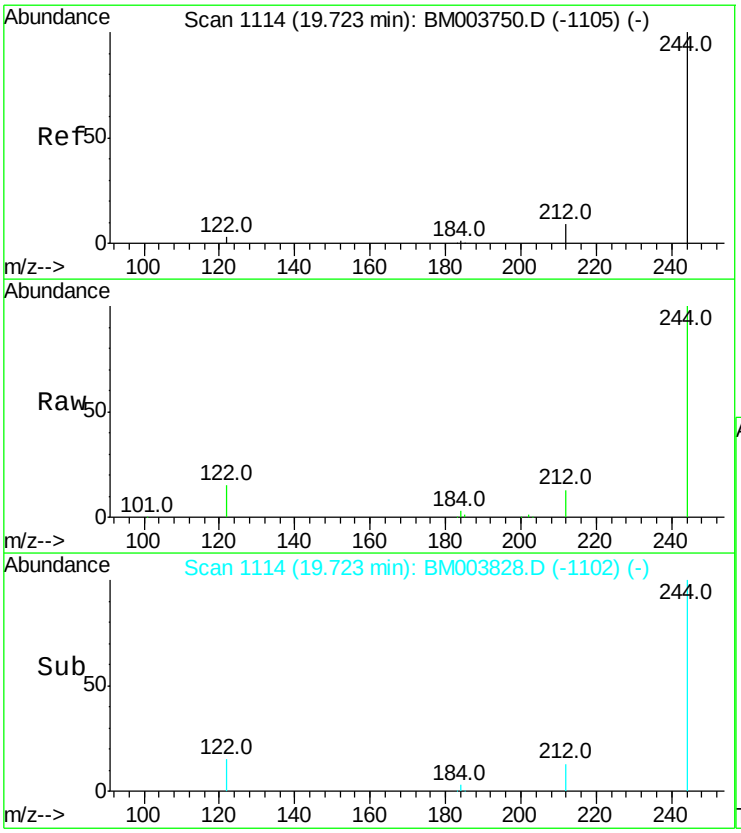
#28
Pyrene
Concen: 17.95 ng
RT: 19.52 min Scan# 1102
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Instrument :
BNA_M
ClientSampleId :
AST-HC-EAST

Tgt Ion:202 Resp: 1245029

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	24.8
203	22.4	14.0	21.0#

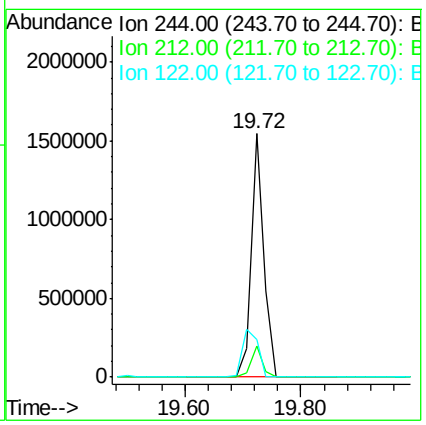


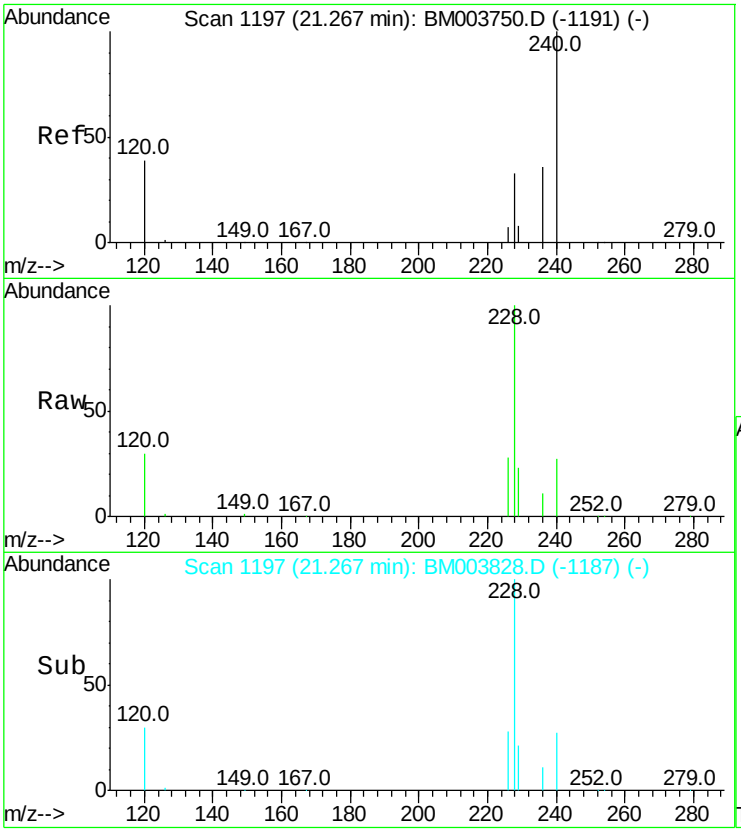


#29
Terphenyl-d14
Concen: 72.00 ng
RT: 19.72 min Scan# 1114
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Tgt Ion:244 Resp: 2357431

Ion	Ratio	Lower	Upper
244	100		
212	12.7	7.0	10.6#
122	15.3	3.0	4.6#



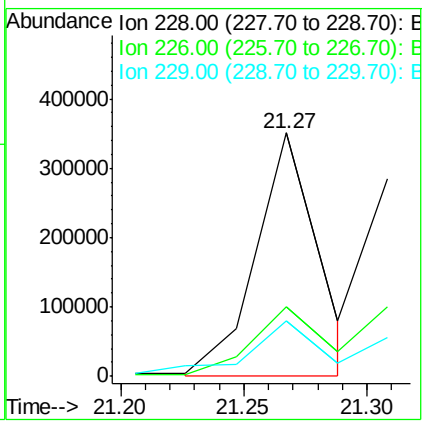


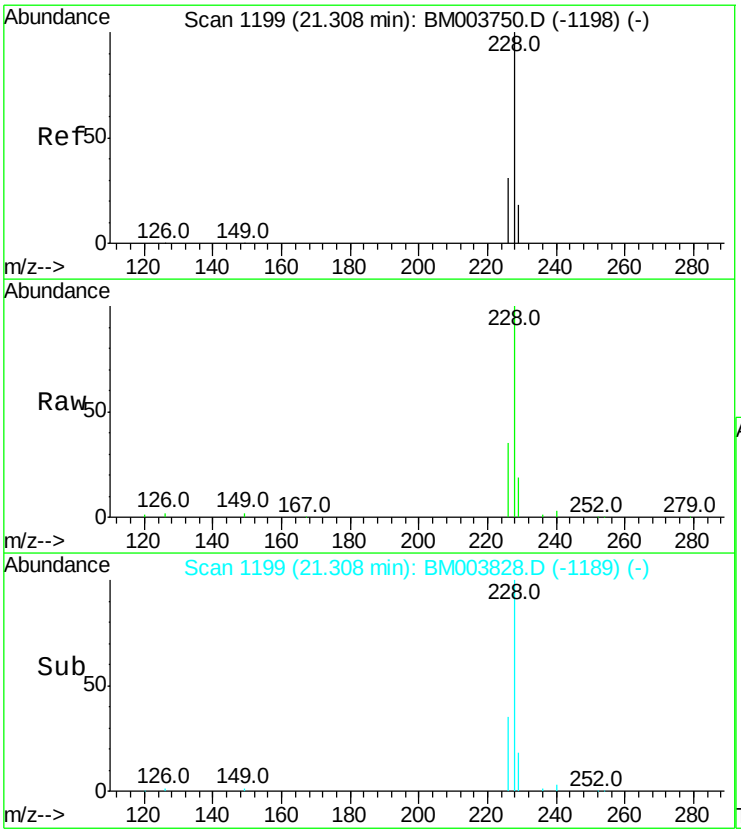
#30
Benzo(a)anthracene
Concen: 9.79 ng m
RT: 21.27 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Instrument :
BNA_M
ClientSampleId :
AST-HC-EAST

Tgt Ion:228 Resp: 614122

Ion	Ratio	Lower	Upper
228	100		
226	28.3	17.2	25.8#
229	22.9	18.7	28.1

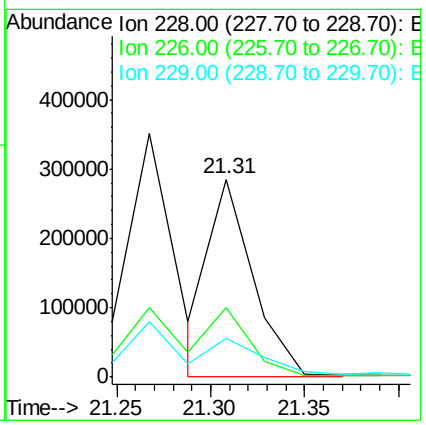


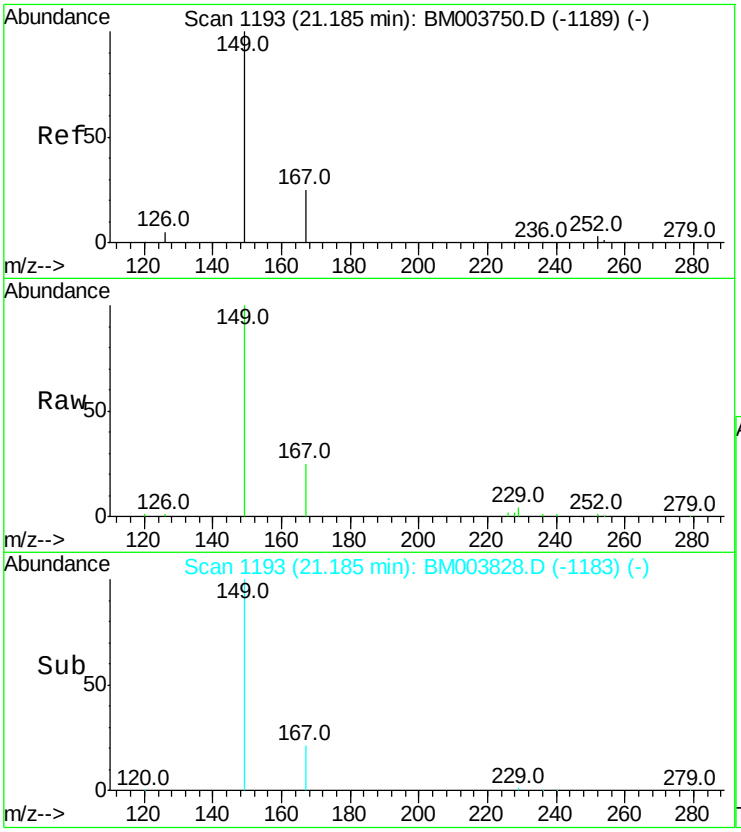


#32
Chrysene
Concen: 7.85 ng m
RT: 21.31 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Tgt Ion:228 Resp: 465824

Ion	Ratio	Lower	Upper
228	100		
226	35.4	25.3	37.9
229	19.4	14.5	21.7



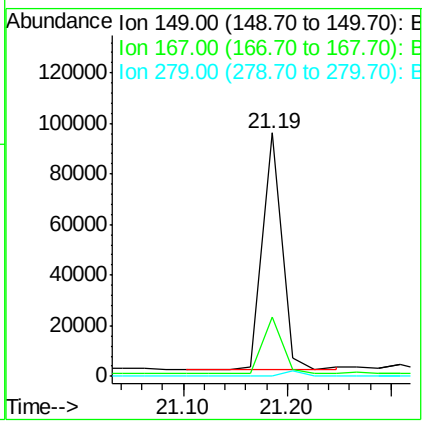


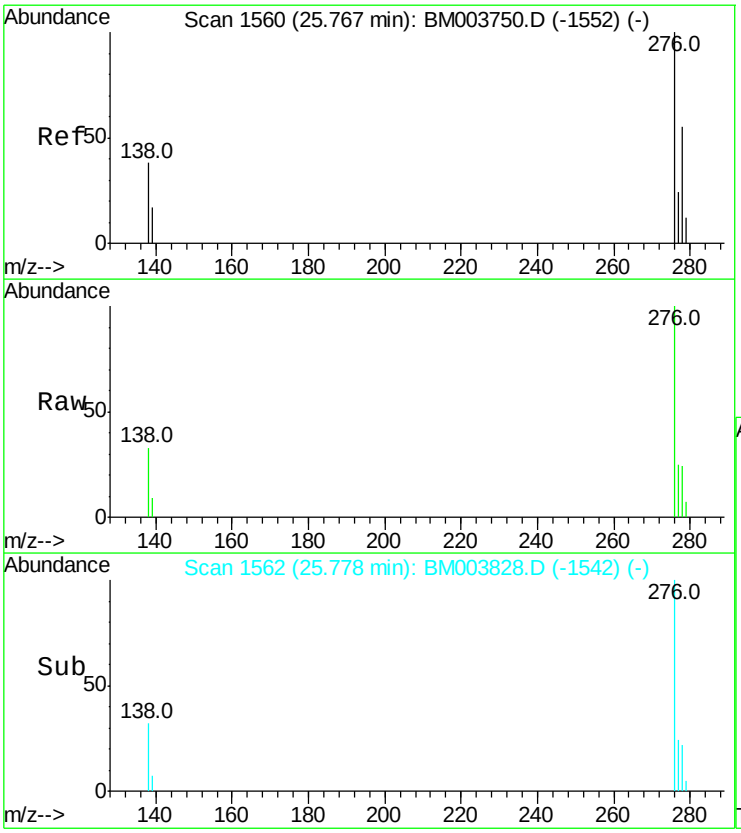
#33
Bis(2-ethylhexyl)phthalate
Concen: 3.35 ng
RT: 21.19 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Instrument :
BNA_M
ClientSampleId :
AST-HC-EAST

Tgt Ion:149 Resp: 122866

Ion	Ratio	Lower	Upper
149	100		
167	24.7	20.1	30.1
279	0.0	0.0	0.0

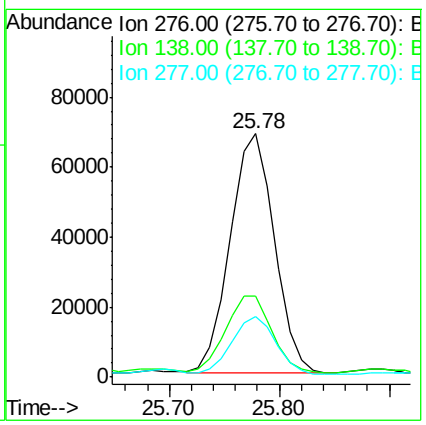


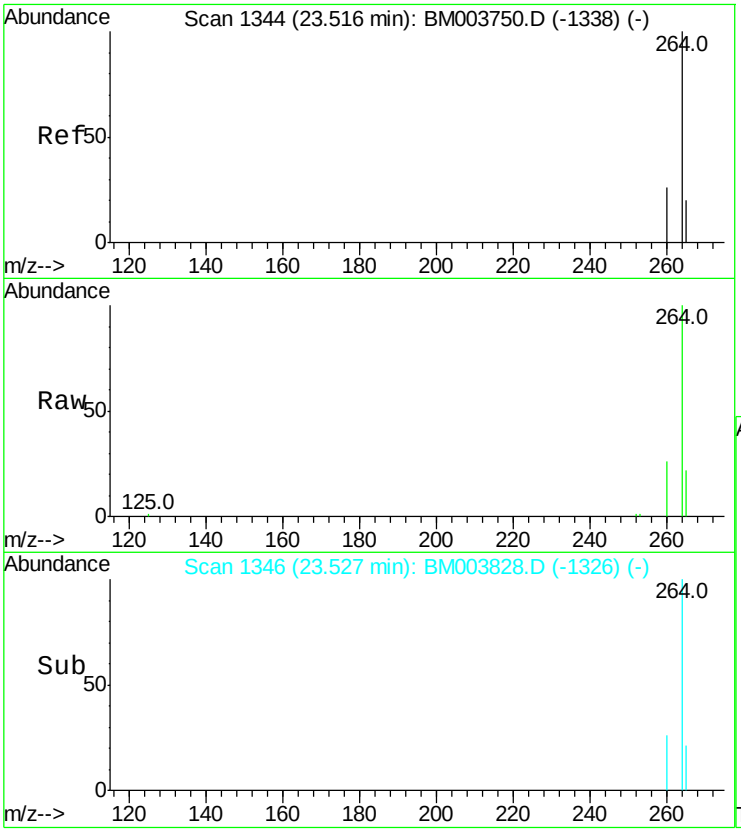


#34
Indeno(1,2,3-cd)pyrene
Concen: 4.31 ng
RT: 25.78 min Scan# 1562
Delta R.T. 0.01 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Tgt Ion:276 Resp: 190188

Ion	Ratio	Lower	Upper
276	100		
138	33.4	30.2	45.2
277	24.3	19.8	29.8



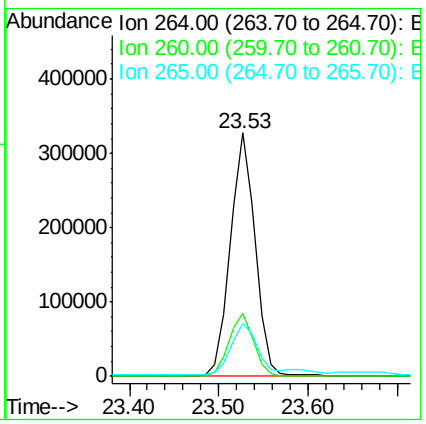


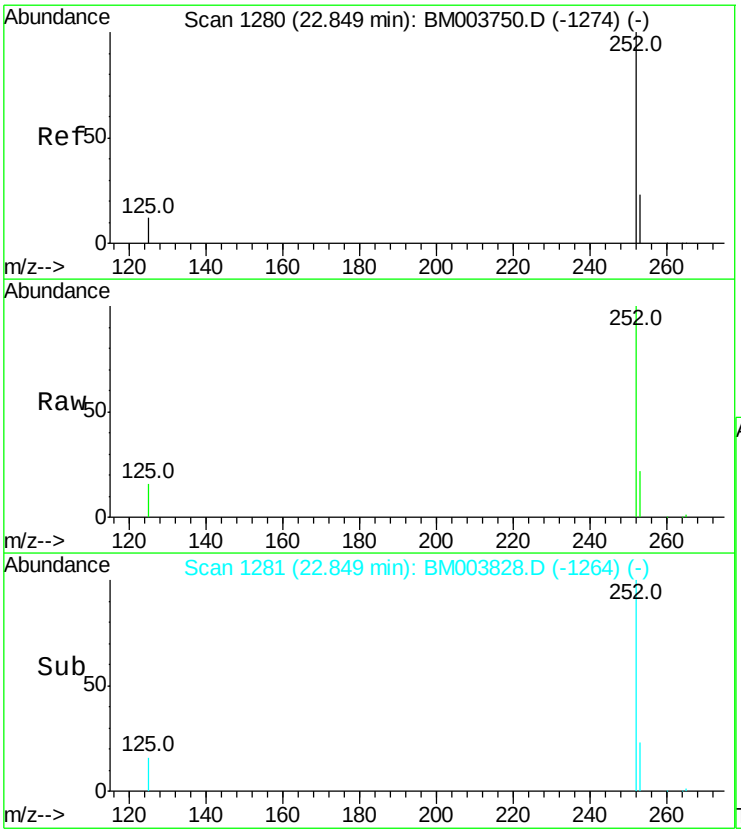
#35
Perylene-d12
Concen: 20.00 ng
RT: 23.53 min Scan# 1346
Delta R.T. 0.01 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Instrument :
BNA_M
ClientSampleId :
AST-HC-EAST

Tgt Ion:264 Resp: 623464

Ion	Ratio	Lower	Upper
264	100		
260	26.1	21.2	31.8
265	22.0	16.7	25.1

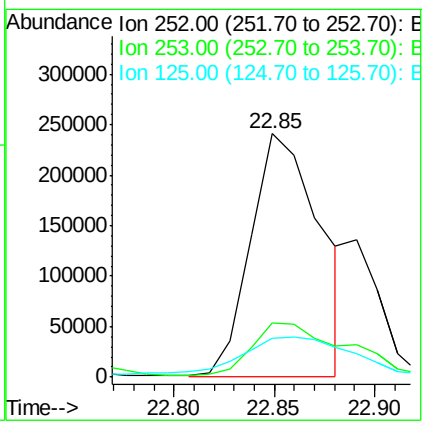


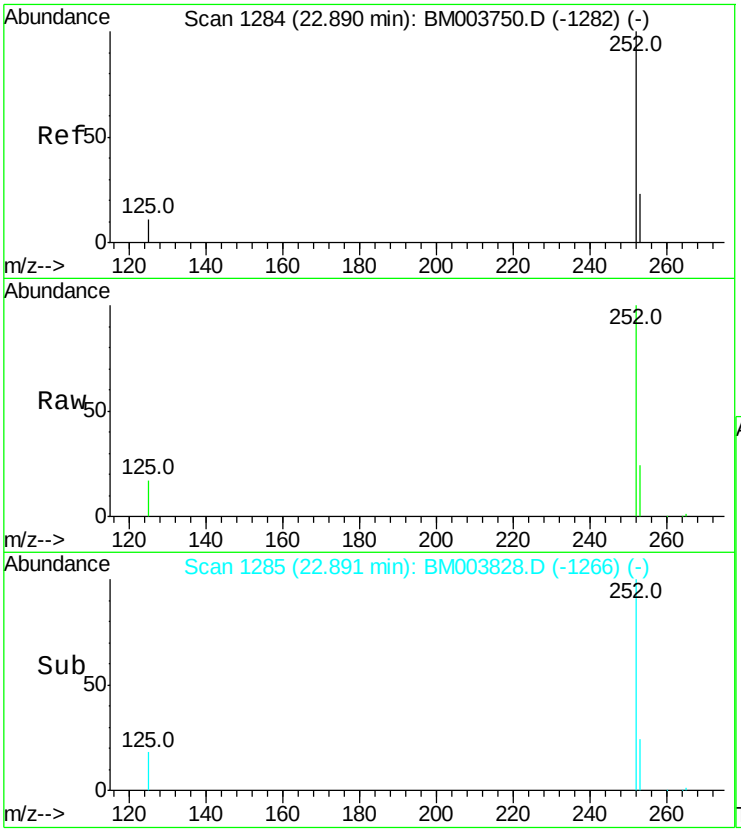


#36
Benzo(b)fluoranthene
Concen: 11.41 ng m
RT: 22.85 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Tgt Ion:252 Resp: 581410

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.8	28.2
125	15.9	10.2	15.4#



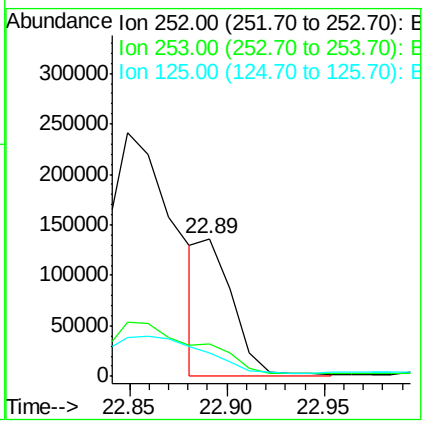


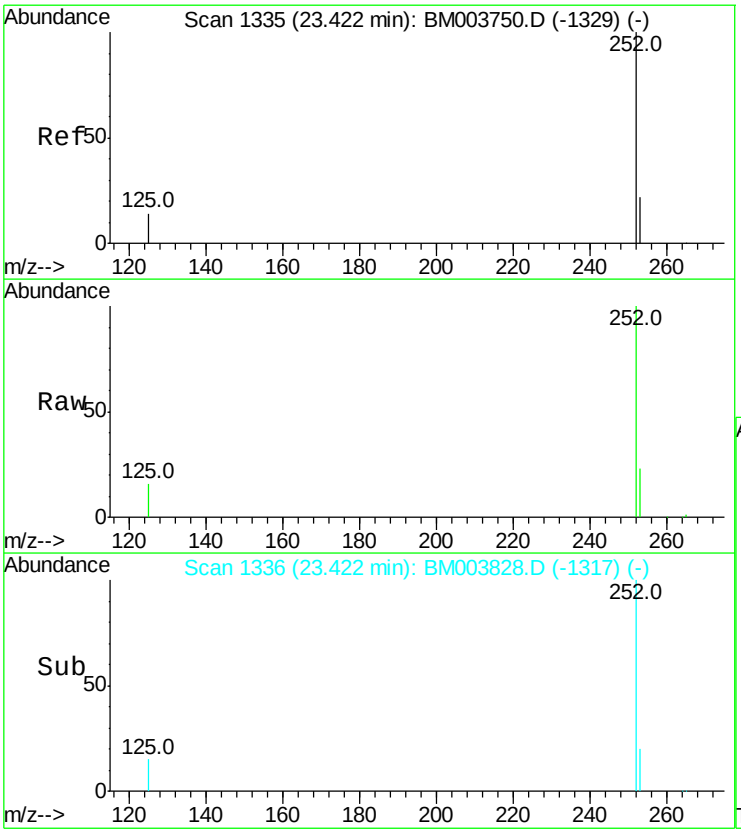
#37
Benzo(k)fluoranthene
Concen: 3.44 ng m
RT: 22.89 min Scan# 1285
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Instrument :
BNA_M
ClientSampleId :
AST-HC-EAST

Tgt Ion:252 Resp: 161445

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.3	27.5
125	17.4	10.6	15.8#

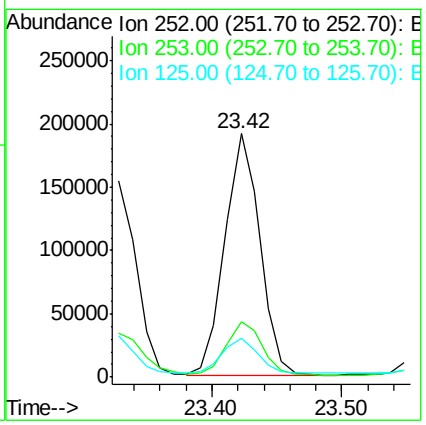


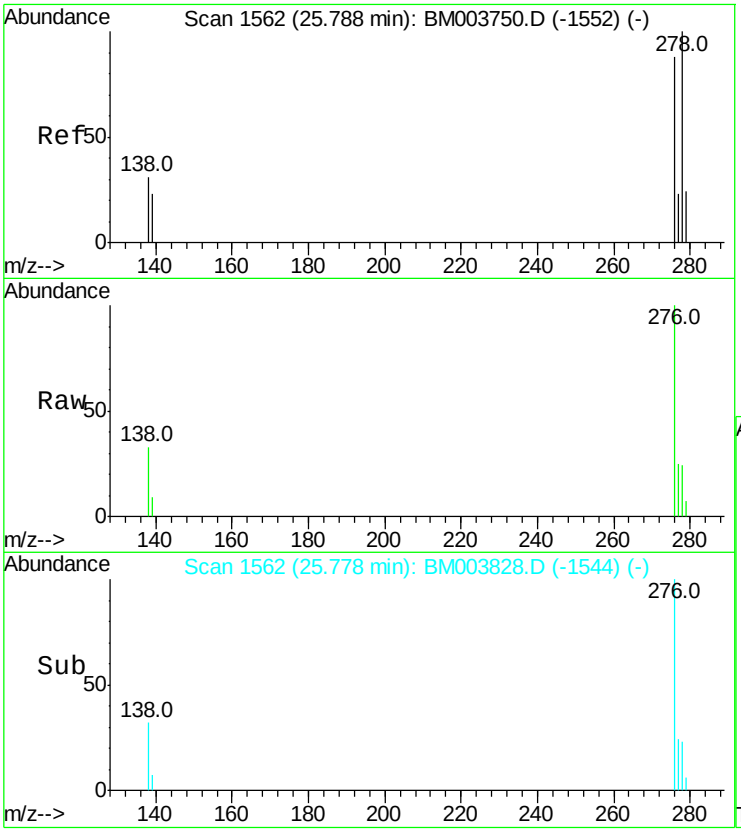


#38
Benzo(a)pyrene
Concen: 8.15 ng
RT: 23.42 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Tgt Ion:252 Resp: 355401

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.7	28.1
125	16.1	11.8	17.8



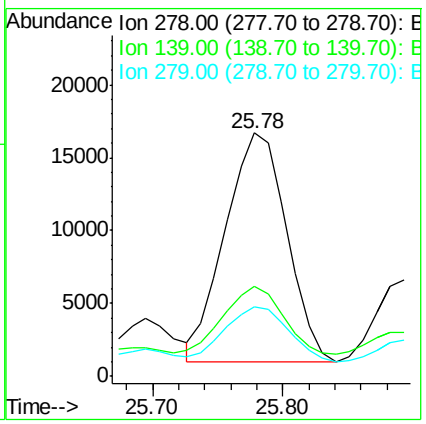


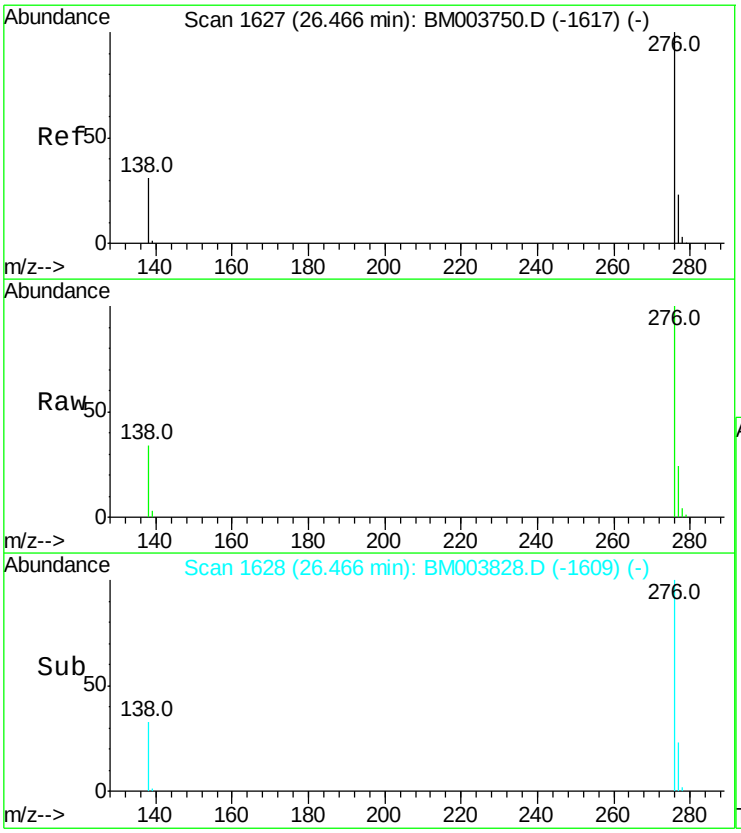
#39
Dibenzo(a,h)anthracene
Concen: 1.50 ng
RT: 25.78 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Instrument :
BNA_M
ClientSampleId :
AST-HC-EAST

Tgt Ion:278 Resp: 51427

Ion	Ratio	Lower	Upper
278	100		
139	37.0	19.0	28.6#
279	28.5	19.6	29.4





#40
Benzo(g,h,i)perylene
Concen: 5.40 ng
RT: 26.47 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BM003828.D
Acq: 28 Dec 2015 14:52

Tgt Ion:276 Resp: 193259

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	34.2	25.0	37.4