Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010816\
Data File : BM003926.D
Acq On : 08 Jan 2016 17:22
Operator : SJ/UM
Sample : PB87669BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PB87669BS

Quant Time: Jan 09 00:29:16 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM010216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 13:33:21 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	44123	5.00	ng		0.00
7) Naphthalene-d8	10.46	136	186528	5.00	ng		0.00
13) Acenaphthene-d10	14.31	164	95850	5.00	ng		-0.02
19) Phenanthrene-d10	17.07	188	218206	5.00	ng		0.00
26) Chrysene-d12	21.28	240	165456	5.00	ng		0.01
35) Perylene-d12	23.51	264	117289	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.27	112	71066	7.87	ng		0.00
5) Phenol-d6	6.85	99	93458	8.45	ng		0.00
8) Nitrobenzene-d5	8.83	82	40590	4.43	ng		0.00
14) 2,4,6-Tribromophenol	15.82	330	22067	7.67	ng		0.00
15) 2-Fluorobiphenyl	12.94	172	138087	4.47	ng		0.00
29) Terphenyl-d14	19.71	244	113681	4.24	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.17	88	14043	3.78	ng		97
3) n-Nitrosodimethylamine	3.48	42	16468	3.61	ng		94
6) bis(2-Chloroethyl)ether	7.09	93	38654	3.83	ng		98
9) Nitrobenzene	8.87	77	37948	3.83	ng		99
10) Naphthalene	10.51	128	146448	3.59	ng		96
11) Hexachlorobutadiene	10.80	225	21941	3.52	ng		99
12) 2-Methylnaphthalene	12.13	142	101279	3.67	ng		99
16) Acenaphthylene	14.02	152	158350	3.96	ng		100
17) Acenaphthene	14.38	154	104297	3.73	ng		99
18) Fluorene	15.38	166	124013	3.73	ng		99
20) 4-Bromophenyl-phenylether	16.25	248	30432	4.51	ng	#	72
21) Hexachlorobenzene	16.38	284	32524	4.53	ng	#	79
22) Pentachlorophenol	16.74	266	16641	5.85	ng		94
23) Phenanthrene	17.10	178	185086	4.64	ng		97
24) Anthracene	17.20	178	196507	4.47	ng		99
25) Fluoranthene	19.13	202	193408	3.98	ng		100
27) Benzidine	19.32	184	122809	5.92	ng	#	92
28) Pyrene	19.51	202	212776	3.58	ng		100
30) Benzo(a)anthracene	21.26	228	326873	6.95	ng		97
31) 3,3'-Dichlorobenzidine	21.20	252	50686	3.51	ng	#	93
32) Chrysene	21.26	228	327689	6.71	ng	#	87
33) Bis(2-ethylhexyl)phthalate	21.17	149	80582	2.99	ng	#	97
34) Indeno(1,2,3-cd)pyrene	25.76	276	117133	3.35	ng		99
36) Benzo(b)fluoranthene	22.84	252	142493	3.98	ng		99
37) Benzo(k)fluoranthene	22.88	252	125716	3.62	ng		99
38) Benzo(a)pyrene	23.41	252	120649	3.95	ng		98
39) Dibenzo(a,h)anthracene	25.77	278	94189	3.62	ng		97
40) Benzo(g,h,i)perylene	26.45	276	99167	3.59	ng		97

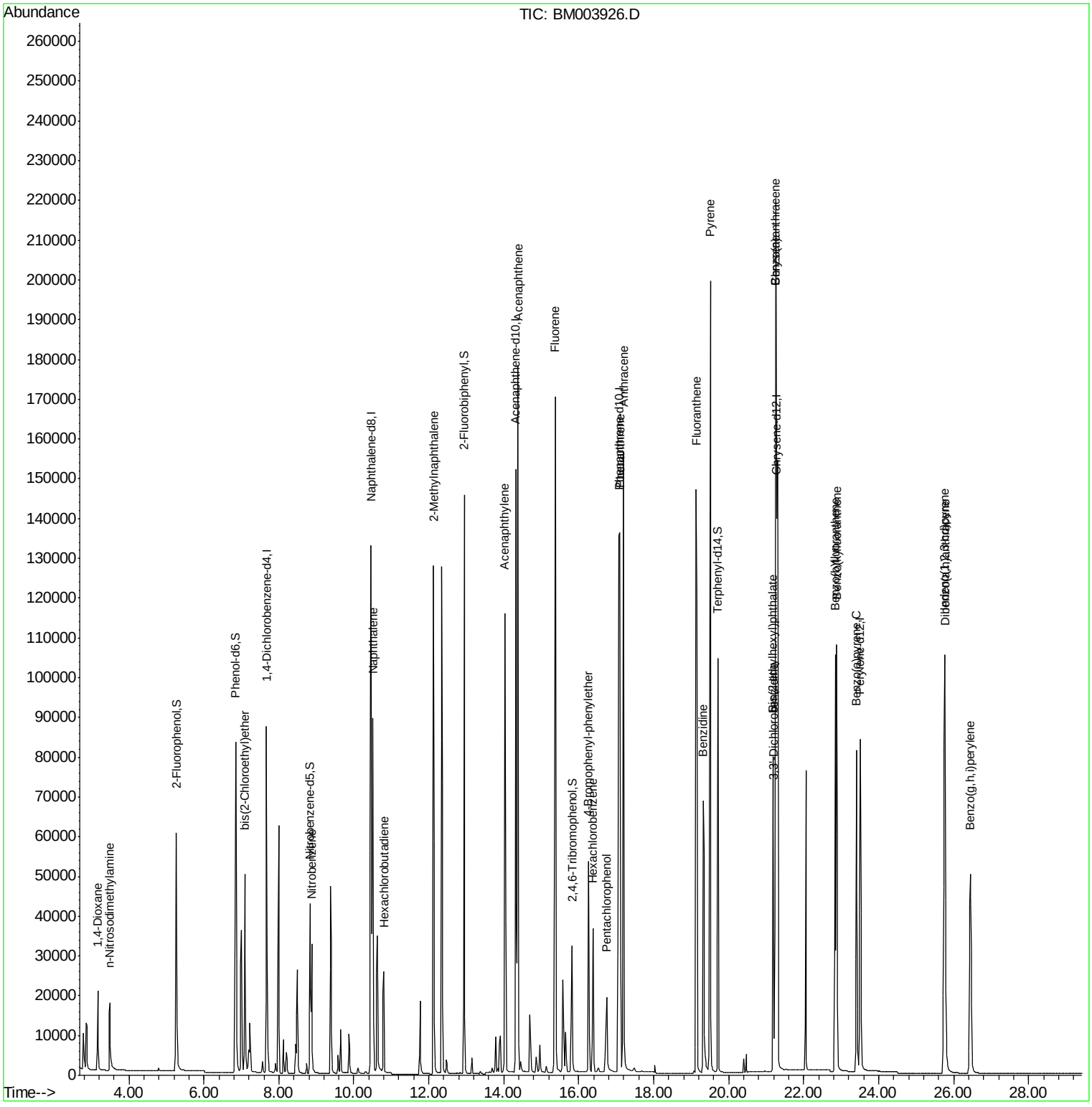
(#) = qualifier out of range (m) = manual integration (+) = signals summed

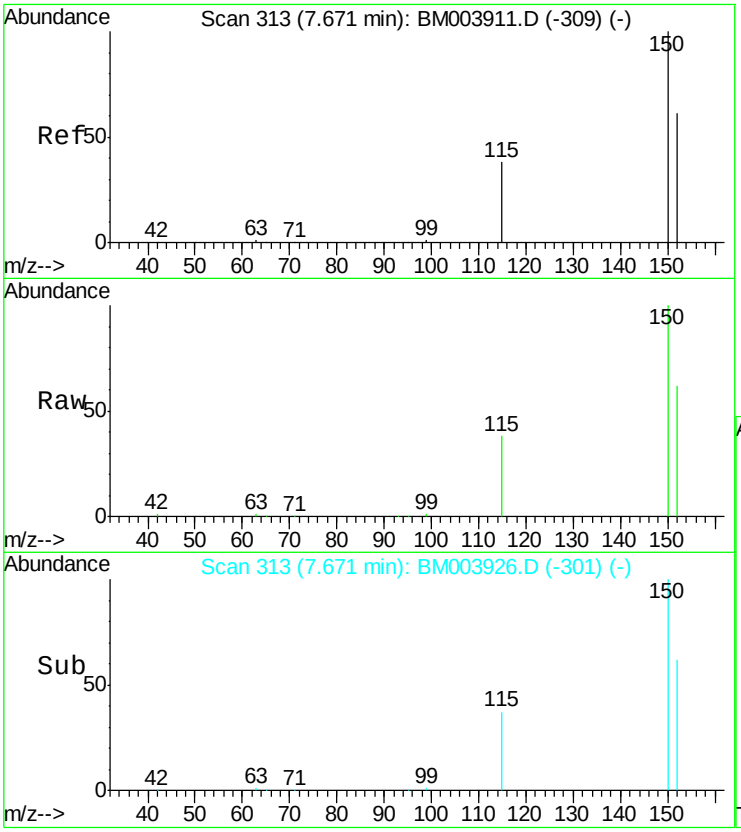
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010816\
Data File : BM003926.D
Acq On : 08 Jan 2016 17:22
Operator : SJ/UM
Sample : PB87669BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB87669BS

Quant Time: Jan 09 00:29:16 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM010216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 13:33:21 2016
Response via : Initial Calibration



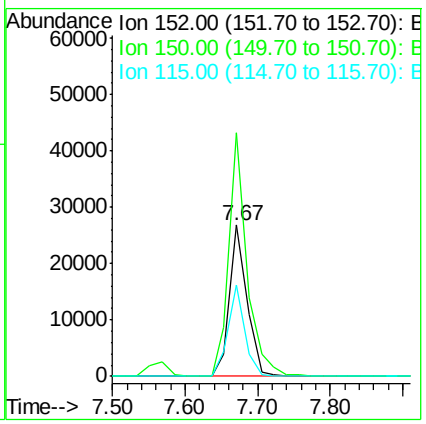


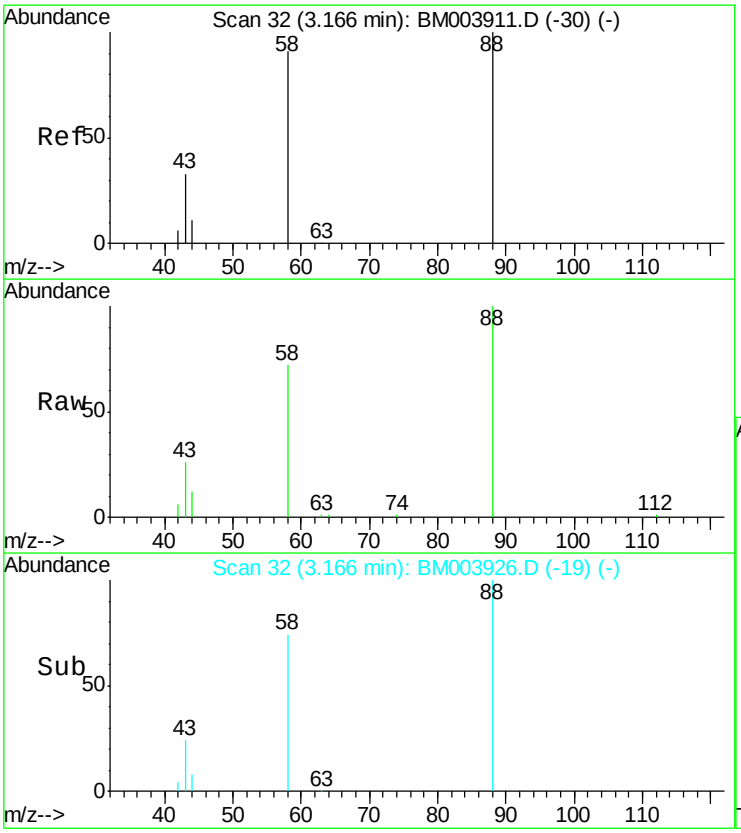
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.67 min Scan# 313
Delta R.T. 0.00 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87669BS

Tgt Ion:152 Resp: 44123

Ion	Ratio	Lower	Upper
152	100		
150	161.4	122.9	184.3
115	60.7	44.4	66.6

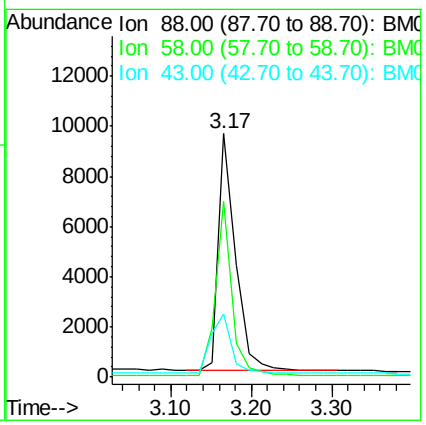


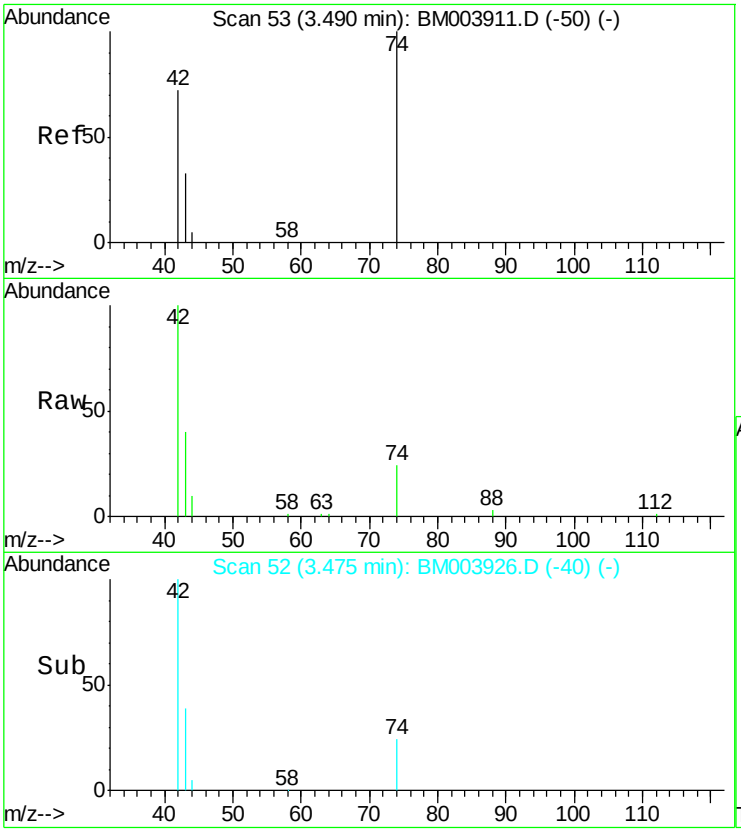


#2
1,4-Dioxane
Concen: 3.78 ng
RT: 3.17 min Scan# 32
Delta R.T. 0.00 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Tgt Ion: 88 Resp: 14043

Ion	Ratio	Lower	Upper
88	100		
58	70.8	53.8	80.6
43	30.3	23.8	35.6



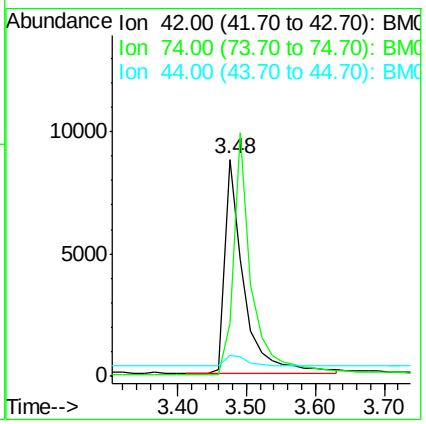


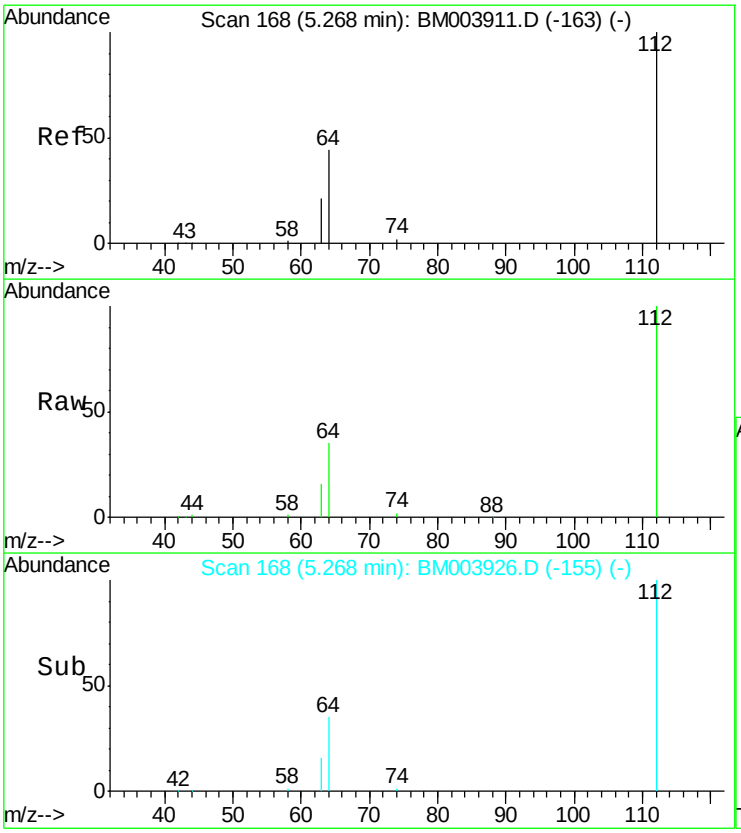
#3
n-Nitrosodimethylamine
Concen: 3.61 ng
RT: 3.48 min Scan# 52
Delta R.T. -0.02 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87669BS

Tgt Ion: 42 Resp: 16468

Ion	Ratio	Lower	Upper
42	100		
74	111.3	95.0	142.4
44	6.2	5.1	7.7

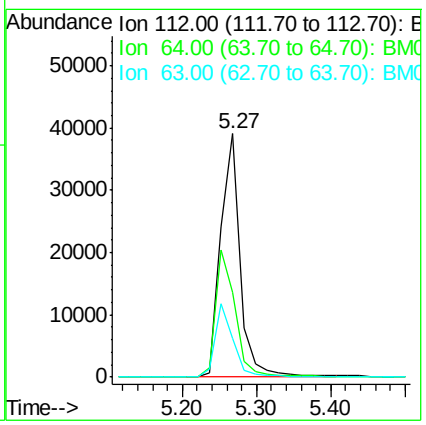


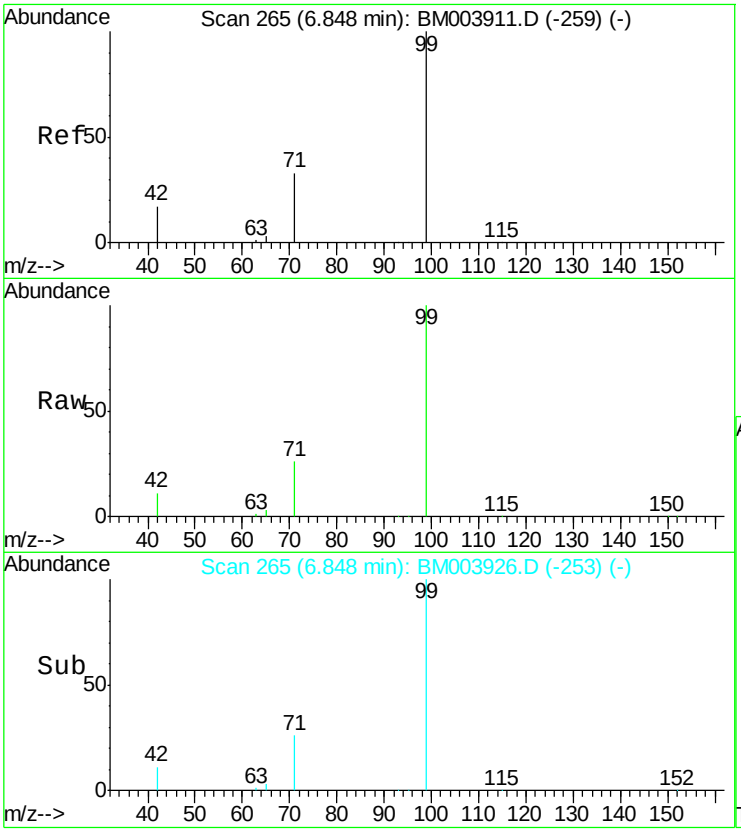


#4
2-Fluorophenol
Concen: 7.87 ng
RT: 5.27 min Scan# 168
Delta R.T. 0.00 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Tgt Ion:112 Resp: 71066

Ion	Ratio	Lower	Upper
112	100		
64	52.3	41.8	62.8
63	27.6	22.1	33.1



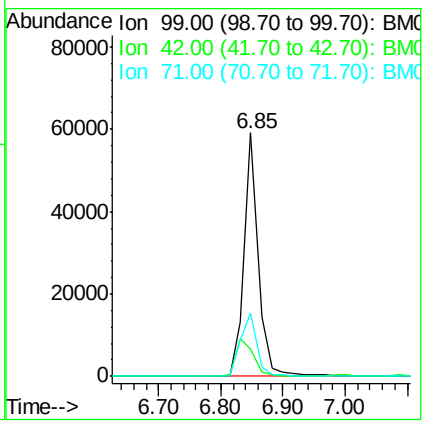


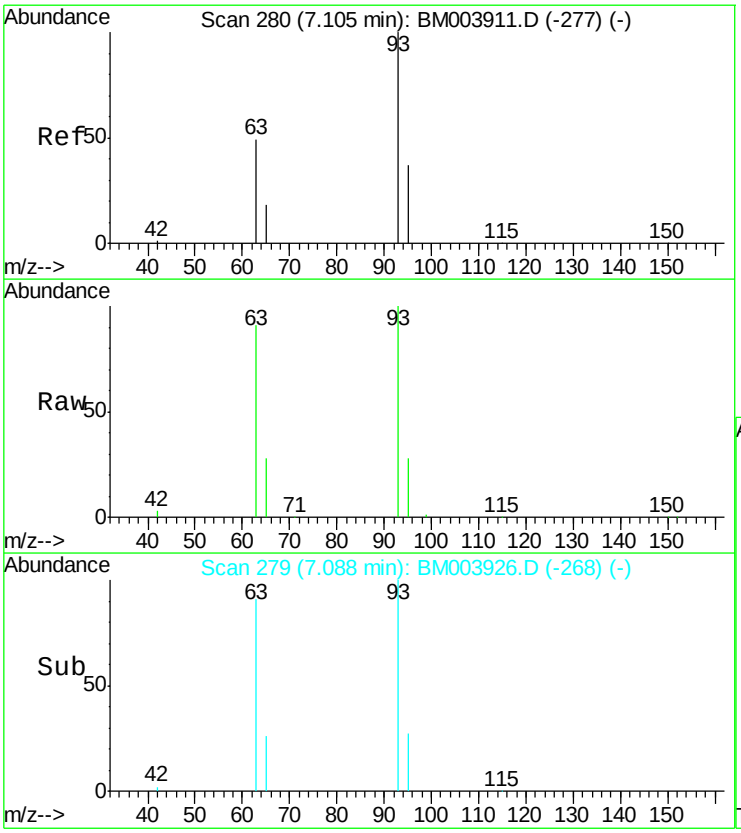
#5
Phenol-d6
Concen: 8.45 ng
RT: 6.85 min Scan# 265
Delta R.T. 0.00 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87669BS

Tgt Ion: 99 Resp: 93458

Ion	Ratio	Lower	Upper
99	100		
42	19.4	16.2	24.2
71	30.3	24.4	36.6

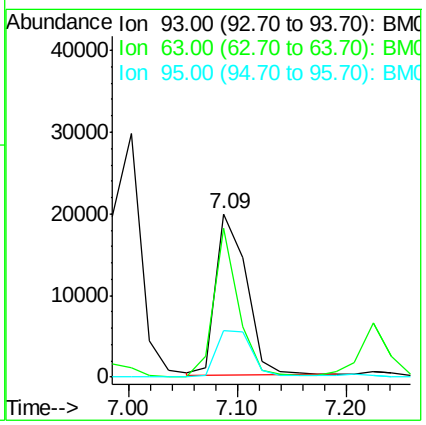


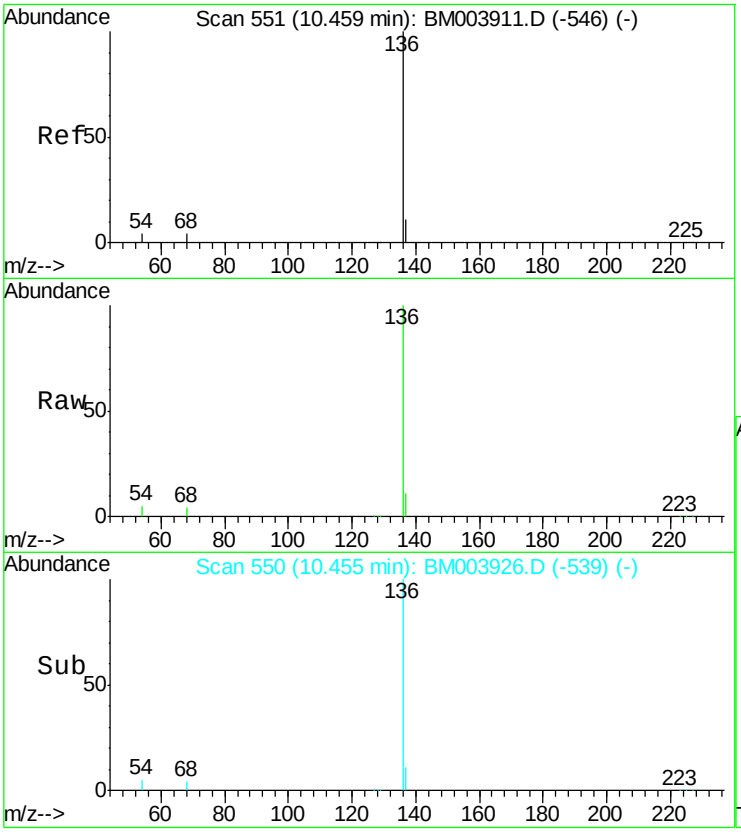


#6
bis(2-Chloroethyl)ether
Concen: 3.83 ng
RT: 7.09 min Scan# 279
Delta R.T. -0.02 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Tgt Ion: 93 Resp: 38654

Ion	Ratio	Lower	Upper
93	100		
63	74.8	58.3	87.5
95	32.7	25.8	38.8



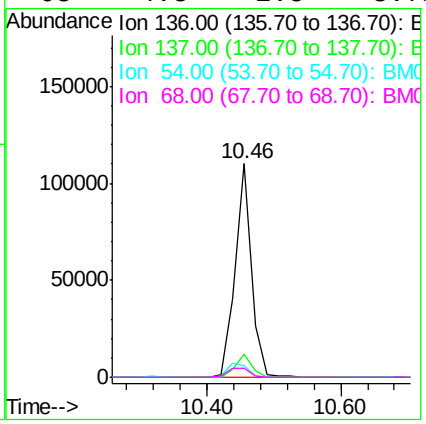


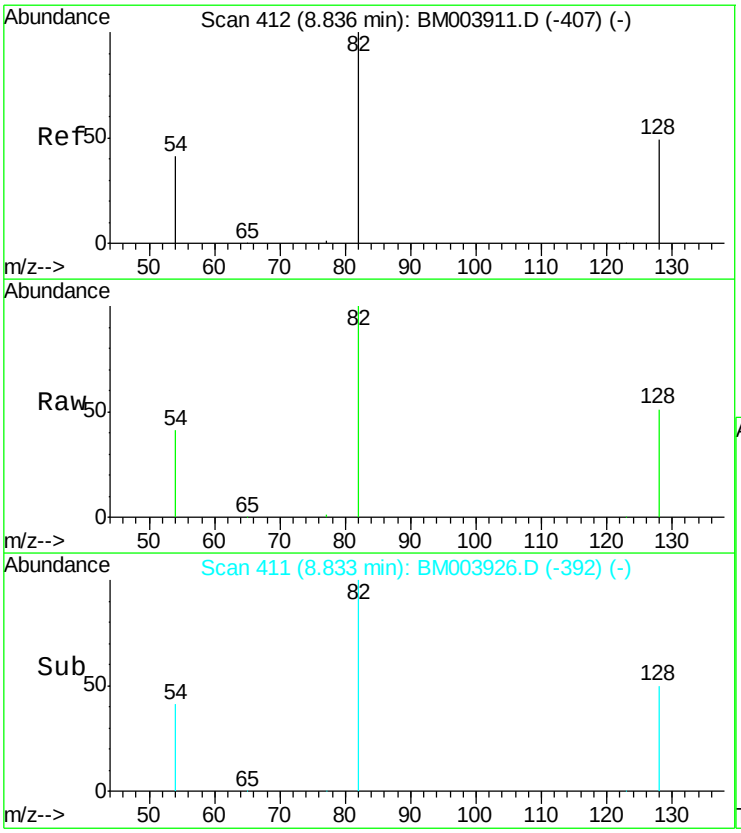
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.46 min Scan# 550
Delta R.T. -0.00 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87669BS

Tgt Ion:136 Resp: 186528

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	5.2	2.8	4.2#
68	4.3	2.5	3.7#

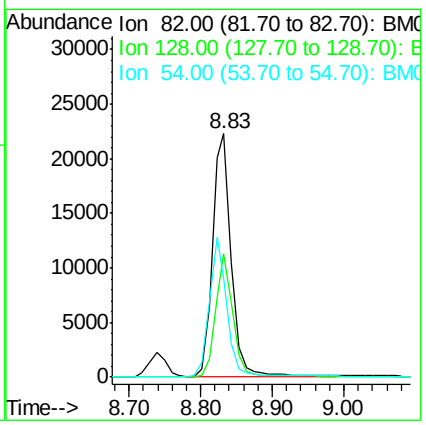


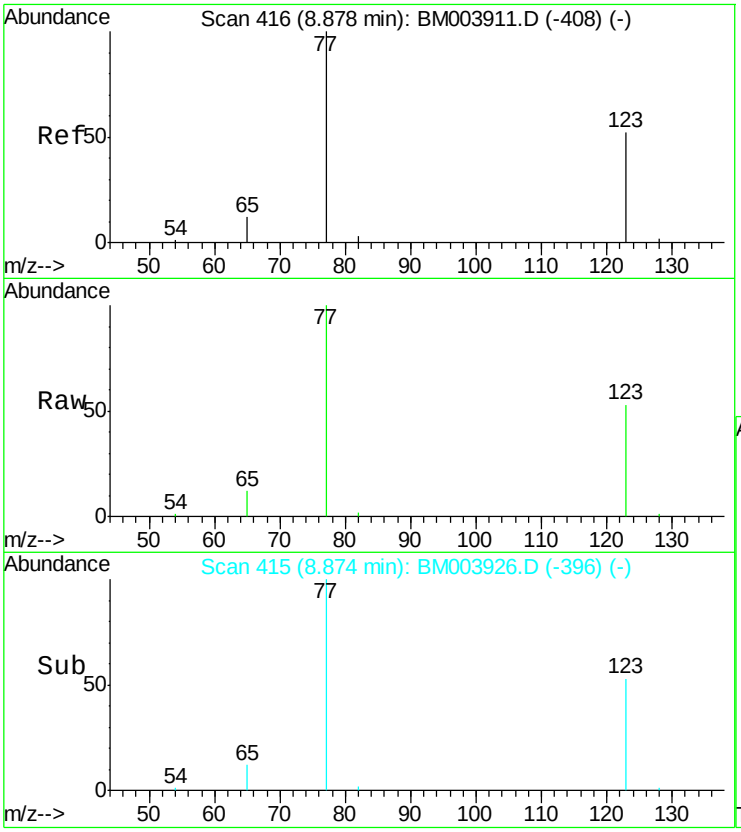


#8
Nitrobenzene-d5
Concen: 4.43 ng
RT: 8.83 min Scan# 411
Delta R.T. -0.00 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Tgt Ion: 82 Resp: 40590

Ion	Ratio	Lower	Upper
82	100		
128	50.5	39.1	58.7
54	40.8	34.8	52.2



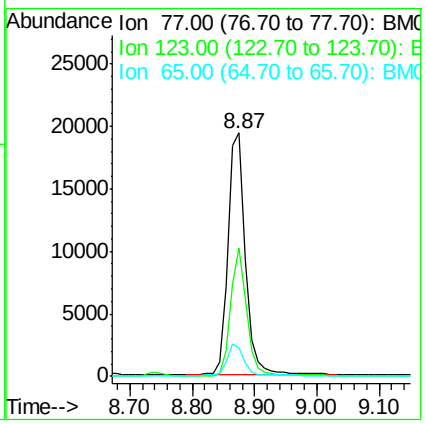


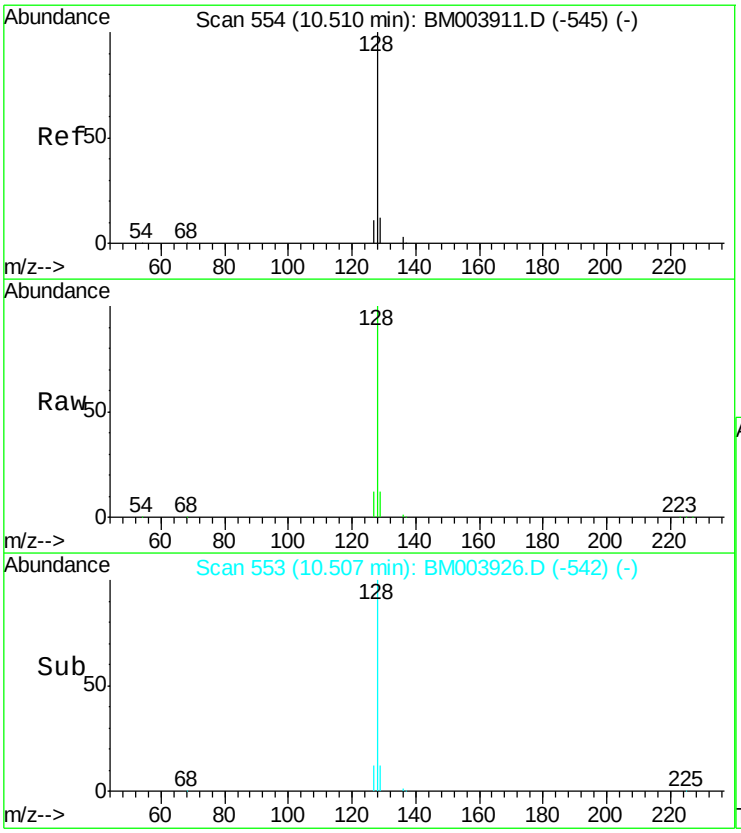
#9
Nitrobenzene
Concen: 3.83 ng
RT: 8.87 min Scan# 415
Delta R.T. -0.00 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87669BS

Tgt Ion: 77 Resp: 37948

Ion	Ratio	Lower	Upper
77	100		
123	49.0	38.6	57.8
65	12.7	9.9	14.9

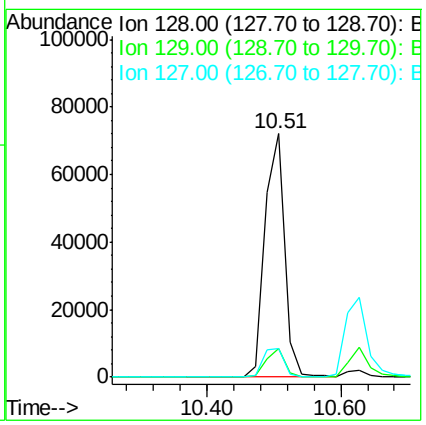


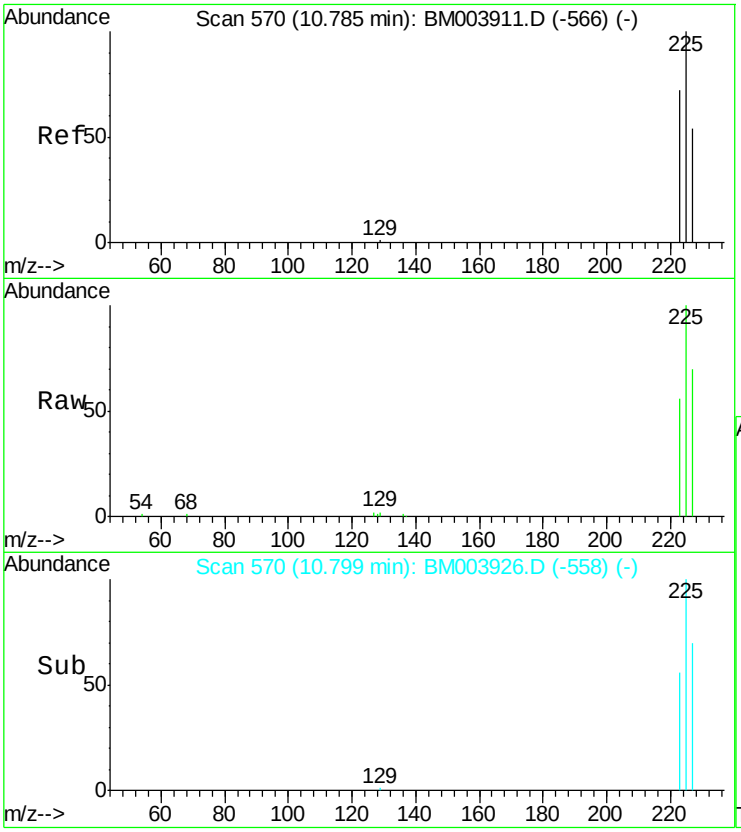


#10
Naphthalene
Concen: 3.59 ng
RT: 10.51 min Scan# 553
Delta R.T. -0.00 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Tgt Ion:128 Resp: 146448

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.5	12.7
127	11.6	11.0	16.4



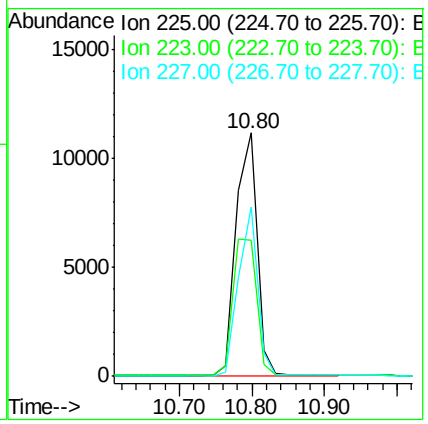


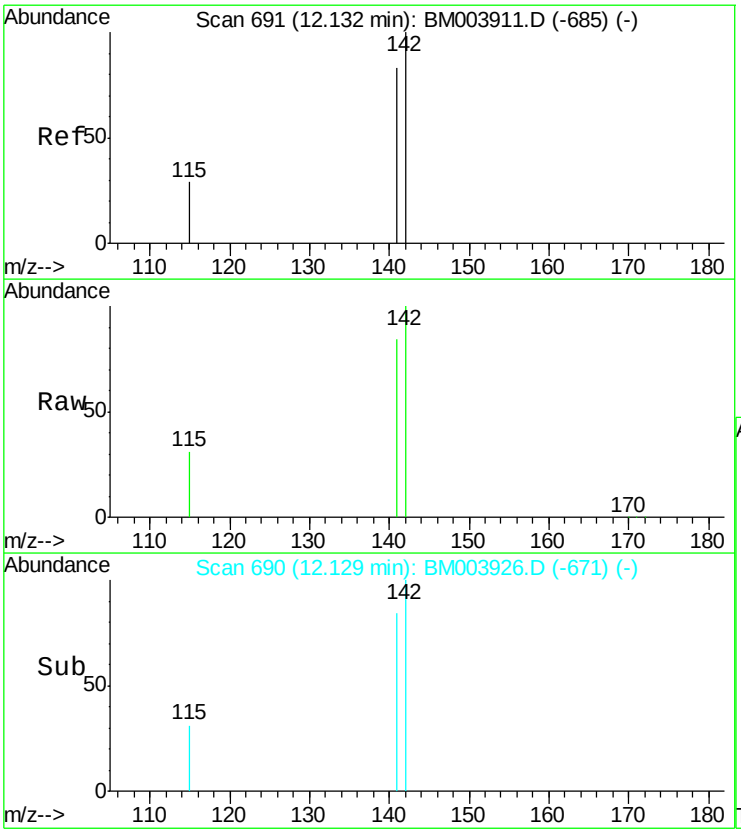
#11
Hexachlorobutadiene
Concen: 3.52 ng
RT: 10.80 min Scan# 570
Delta R.T. 0.01 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87669BS

Tgt Ion:225 Resp: 21941

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.9	76.3
227	63.5	51.2	76.8

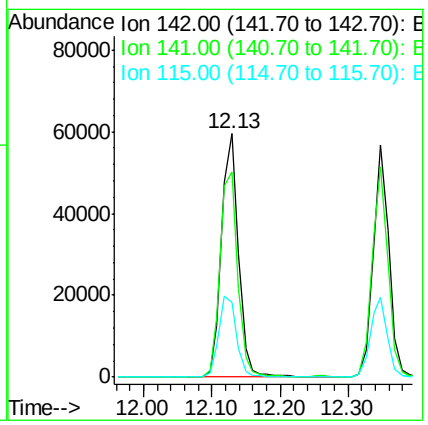


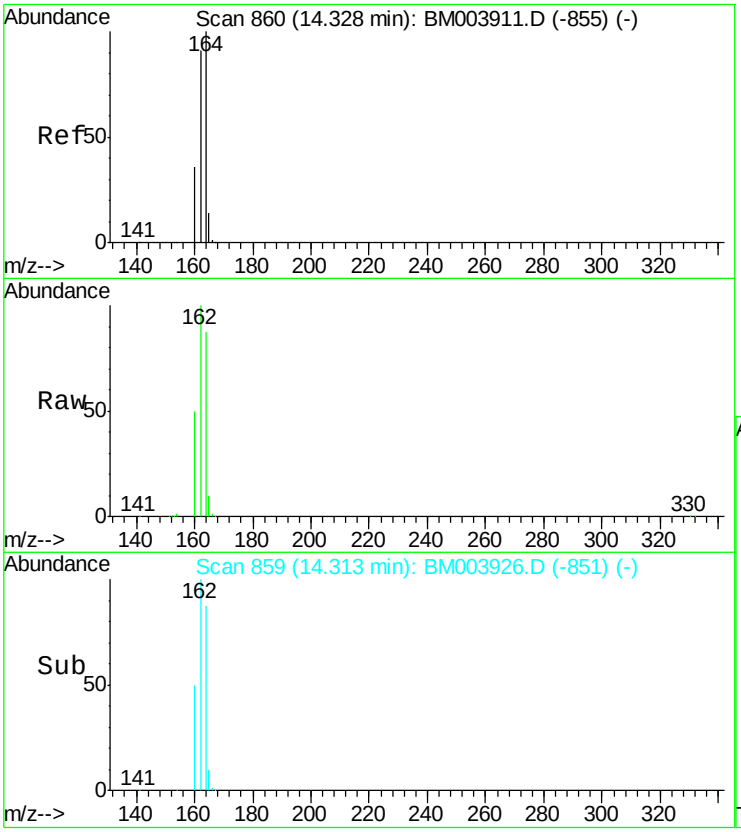


#12
2-Methylnaphthalene
Concen: 3.67 ng
RT: 12.13 min Scan# 690
Delta R.T. -0.00 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Tgt Ion:142 Resp: 101279

Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.8	101.8
115	30.7	25.3	37.9



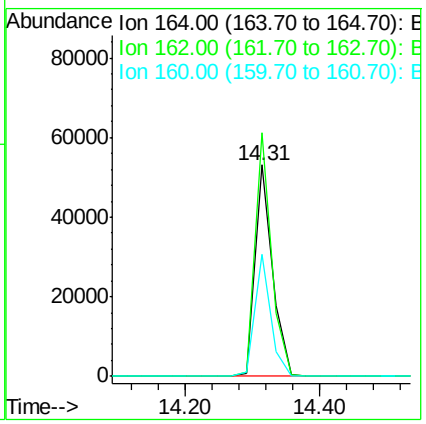


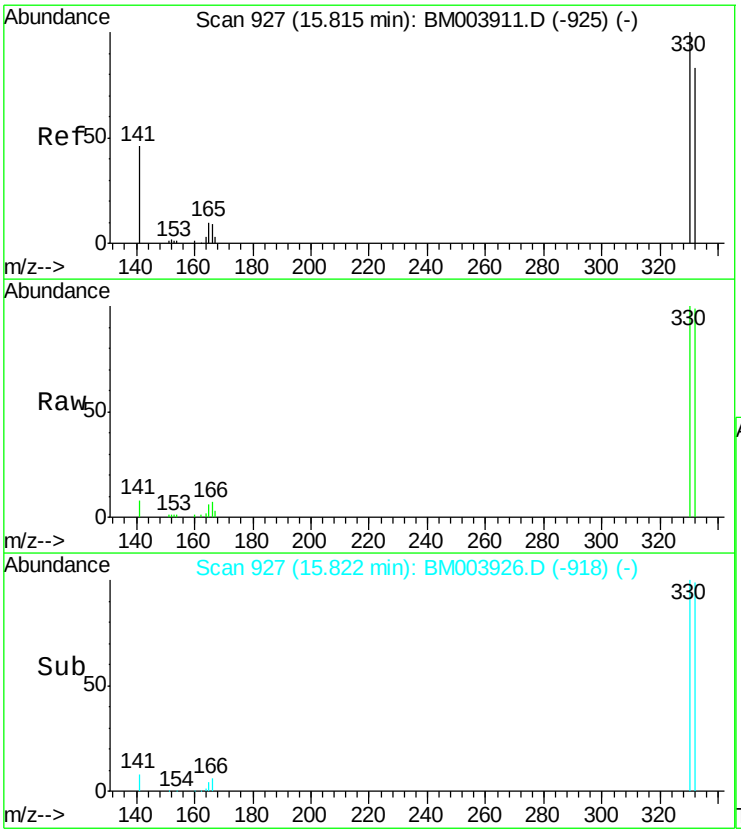
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.31 min Scan# 859
Delta R.T. -0.02 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87669BS

Tgt Ion:164 Resp: 95850

Ion	Ratio	Lower	Upper
164	100		
162	115.1	86.0	129.0
160	57.9	40.3	60.5

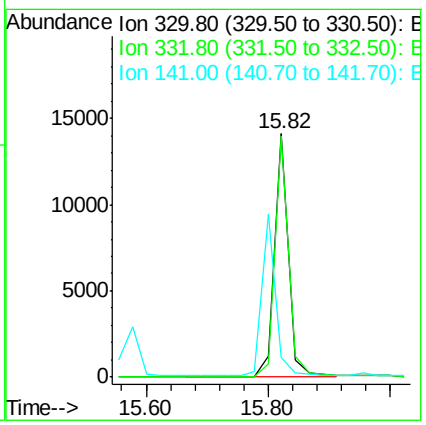


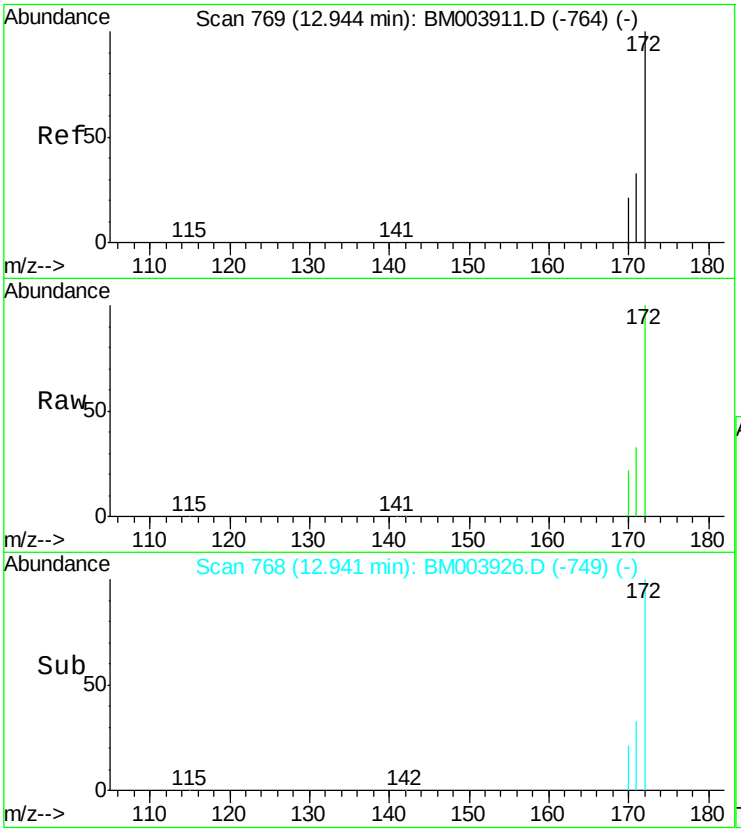


#14
2,4,6-Tribromophenol
Concen: 7.67 ng
RT: 15.82 min Scan# 927
Delta R.T. 0.01 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Tgt Ion:330 Resp: 22067

Ion	Ratio	Lower	Upper
330	100		
332	97.7	79.0	118.4
141	0.0	0.0	0.0



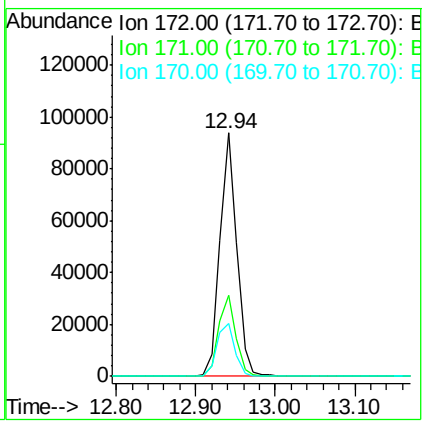


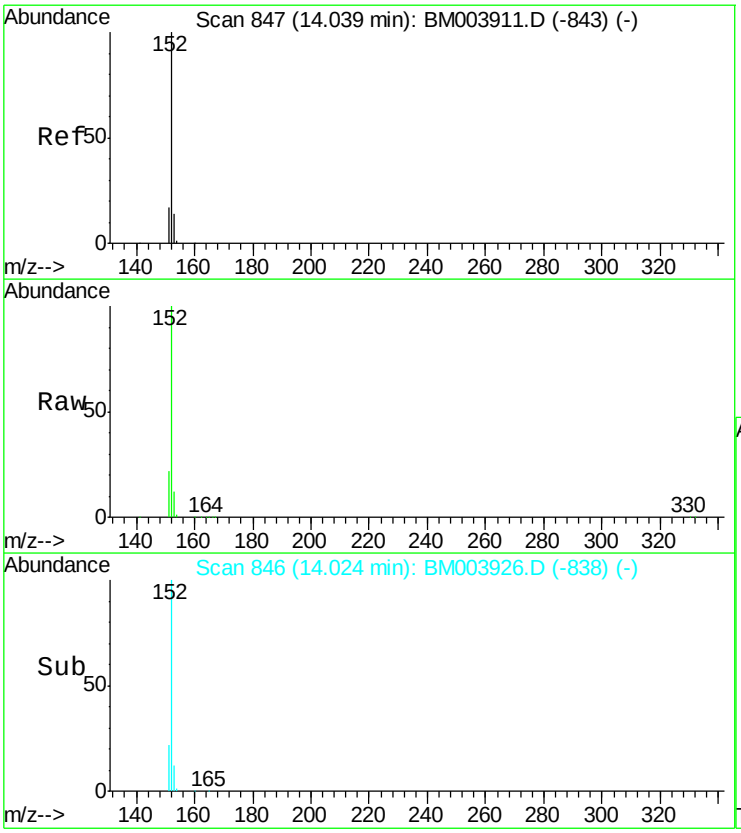
#15
2-Fluorobiphenyl
Concen: 4.47 ng
RT: 12.94 min Scan# 768
Delta R.T. -0.00 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87669BS

Tgt Ion:172 Resp: 138087

Ion	Ratio	Lower	Upper
172	100		
171	33.3	27.0	40.6
170	21.5	17.9	26.9

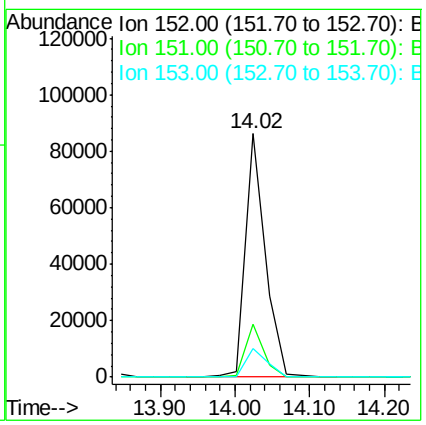


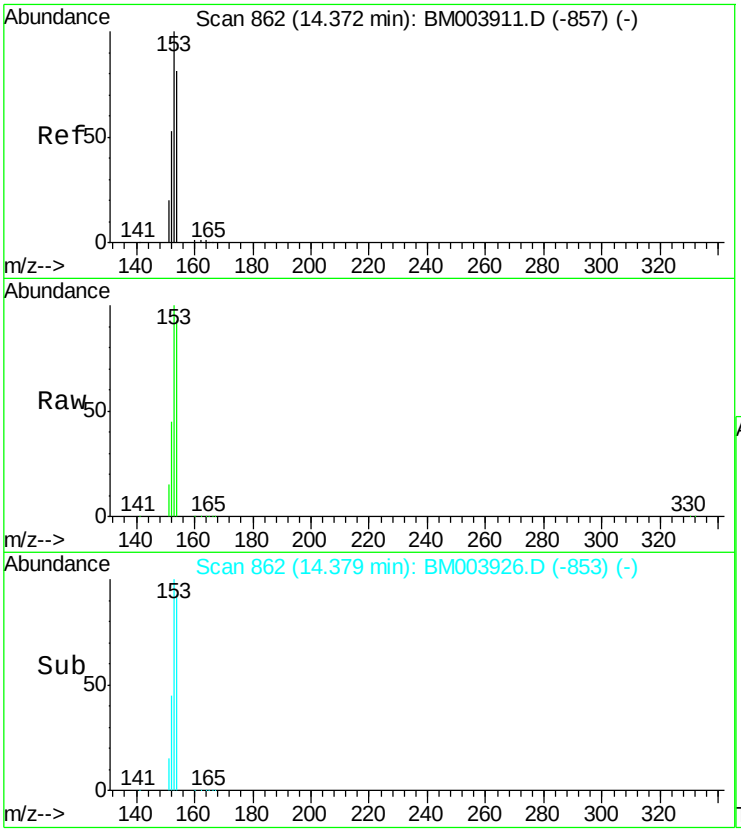


#16
Acenaphthylene
Concen: 3.96 ng
RT: 14.02 min Scan# 846
Delta R.T. -0.02 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Tgt Ion:152 Resp: 158350

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	12.7	10.2	15.4



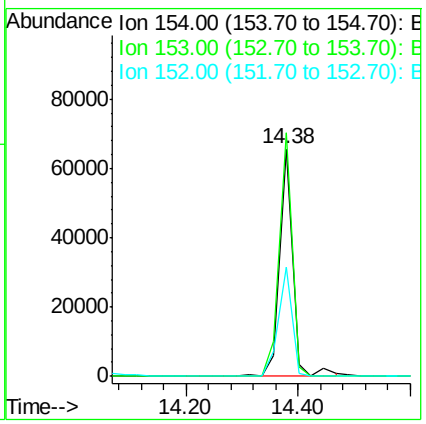


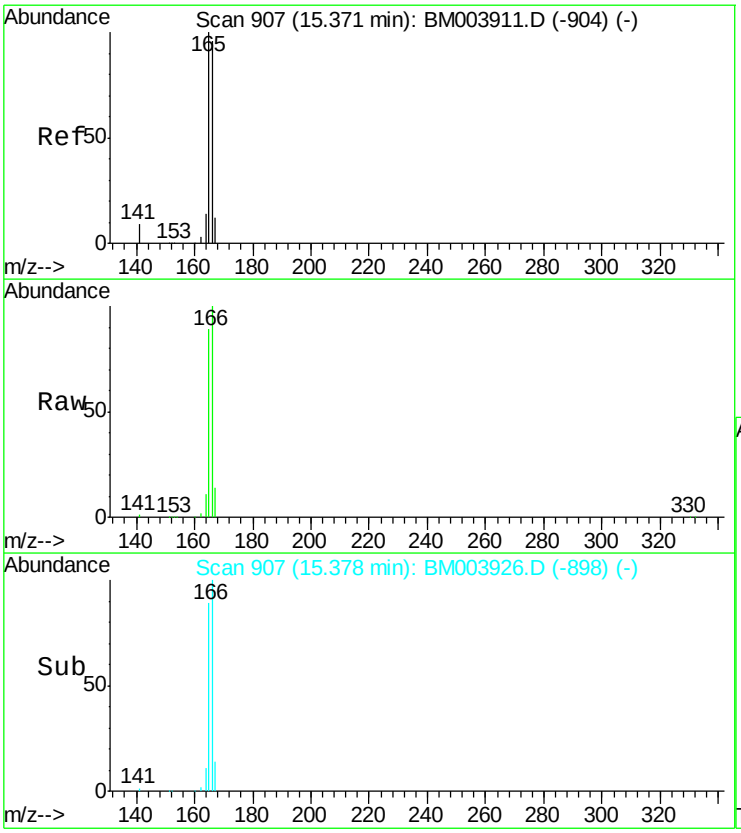
#17
Acenaphthene
Concen: 3.73 ng
RT: 14.38 min Scan# 862
Delta R.T. 0.01 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87669BS

Tgt Ion:154 Resp: 104297

Ion	Ratio	Lower	Upper
154	100		
153	106.1	85.4	128.2
152	50.5	40.6	60.8

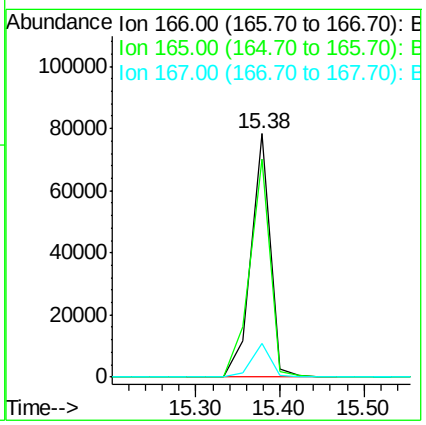


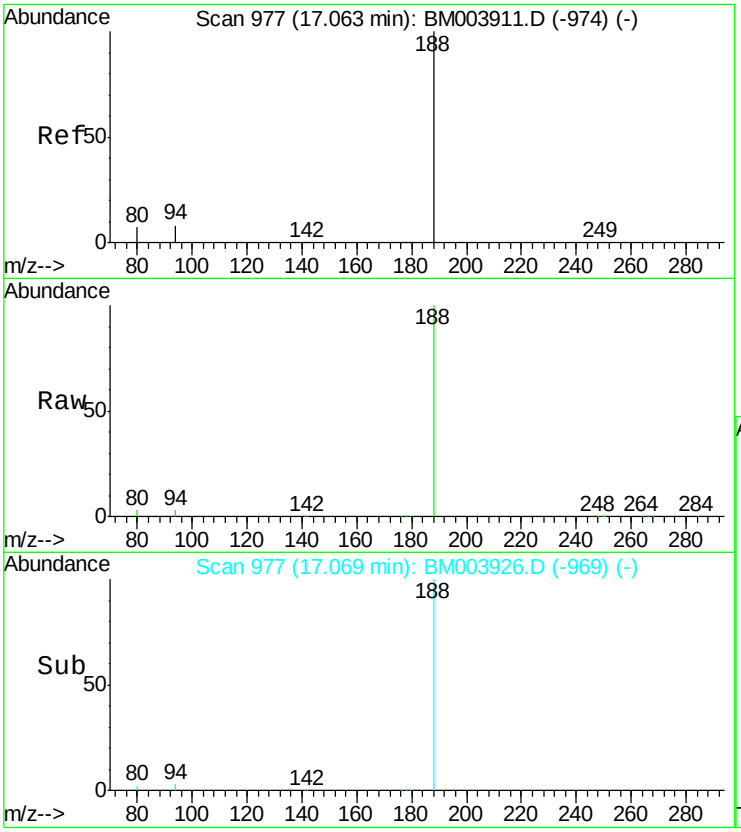


#18
Fluorene
Concen: 3.73 ng
RT: 15.38 min Scan# 907
Delta R.T. 0.01 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Tgt Ion:166 Resp: 124013

Ion	Ratio	Lower	Upper
166	100		
165	95.1	77.2	115.8
167	13.6	11.0	16.6



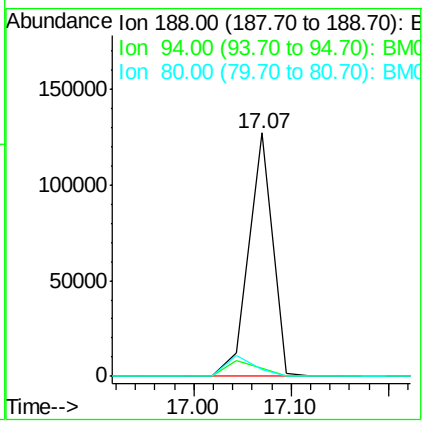


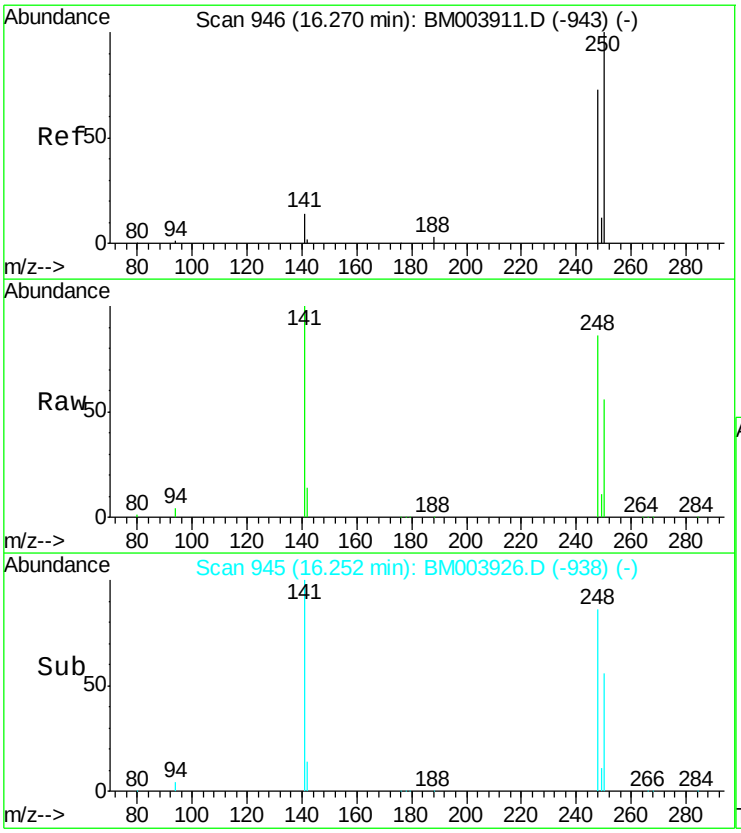
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.07 min Scan# 977
Delta R.T. 0.01 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87669BS

Tgt Ion:188 Resp: 218206

Ion	Ratio	Lower	Upper
188	100		
94	3.2	20.3	30.5#
80	2.5	22.2	33.4#

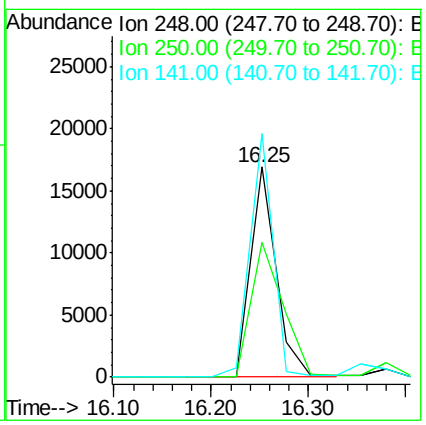


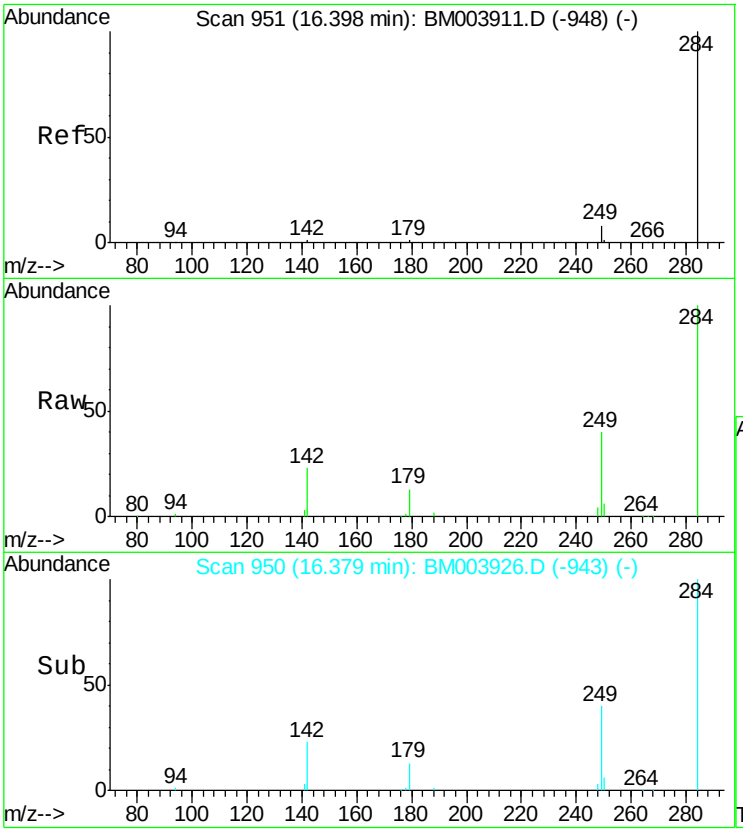


#20
4-Bromophenyl-phenylether
Concen: 4.51 ng
RT: 16.25 min Scan# 945
Delta R.T. -0.02 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Tgt Ion:248 Resp: 30432

Ion	Ratio	Lower	Upper
248	100		
250	81.0	75.0	112.4
141	104.7	53.0	79.4#



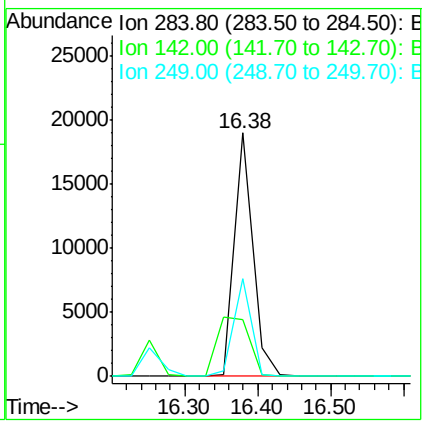


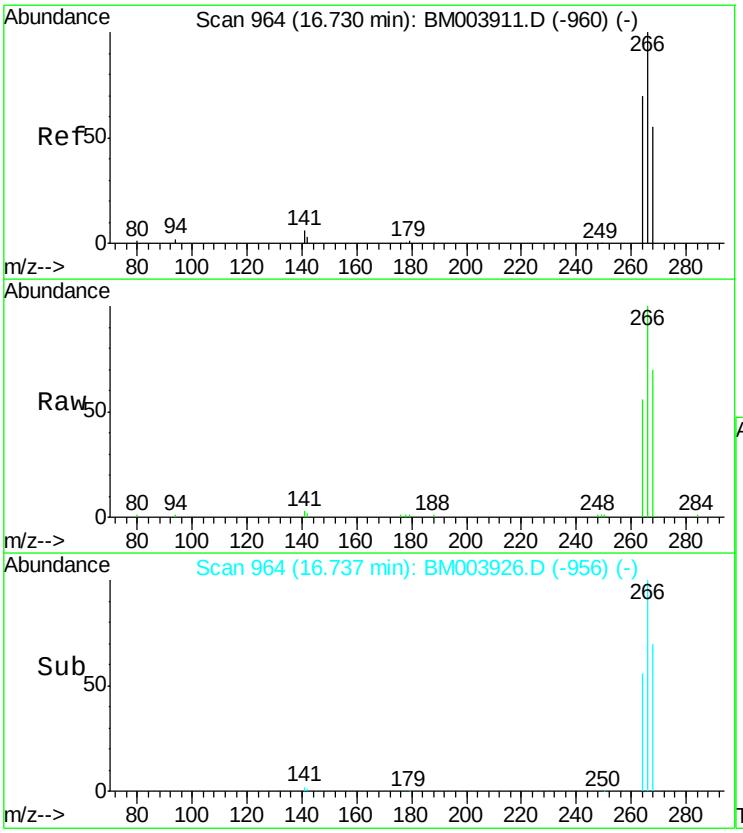
#21
Hexachlorobenzene
Concen: 4.53 ng
RT: 16.38 min Scan# 950
Delta R.T. -0.02 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87669BS

Tgt Ion:284 Resp: 32524

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	37.7	21.5	32.3#

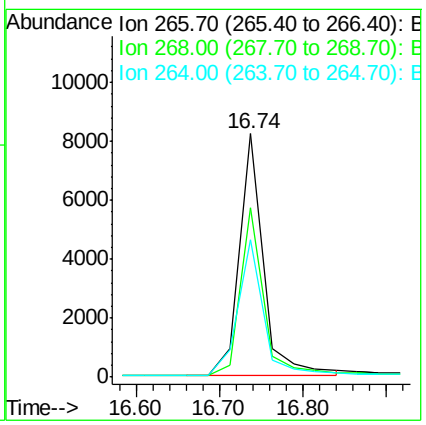


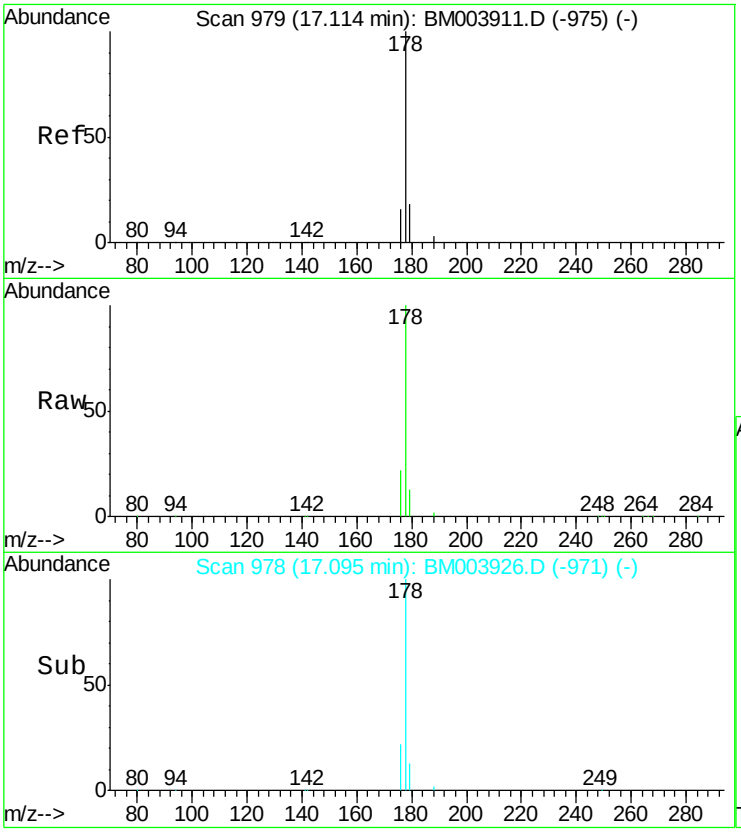


#22
Pentachlorophenol
Concen: 5.85 ng
RT: 16.74 min Scan# 964
Delta R.T. 0.01 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Tgt Ion:266 Resp: 16641

Ion	Ratio	Lower	Upper
266	100		
268	69.7	62.7	94.1
264	56.5	45.7	68.5



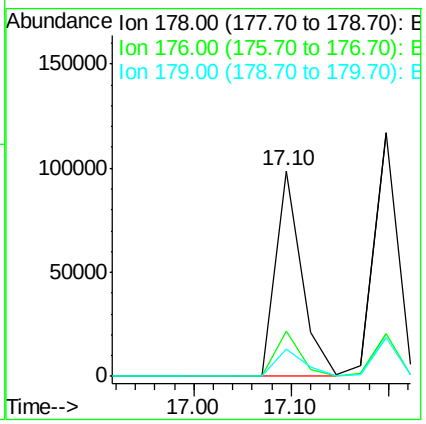


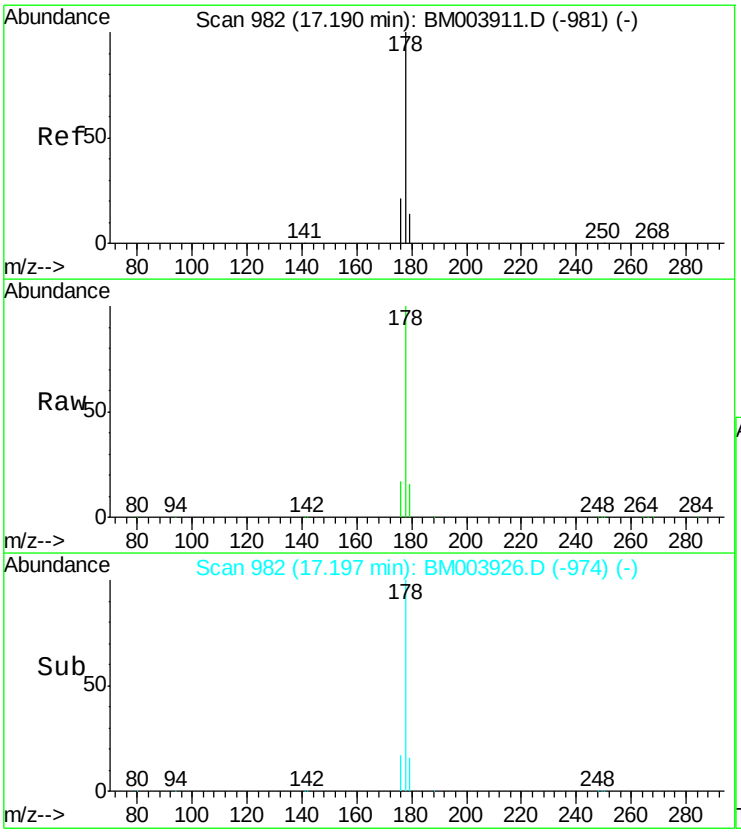
#23
Phenanthrene
Concen: 4.64 ng
RT: 17.10 min Scan# 978
Delta R.T. -0.02 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87669BS

Tgt Ion:178 Resp: 185086

Ion	Ratio	Lower	Upper
178	100		
176	20.8	15.4	23.0
179	14.5	12.2	18.4

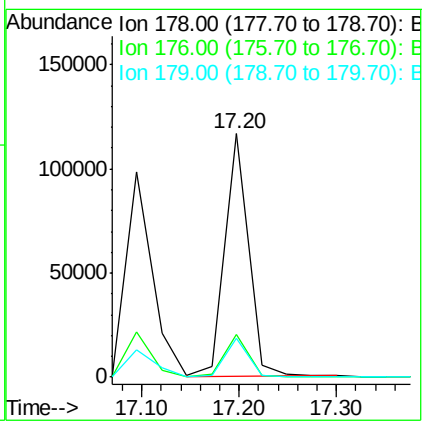


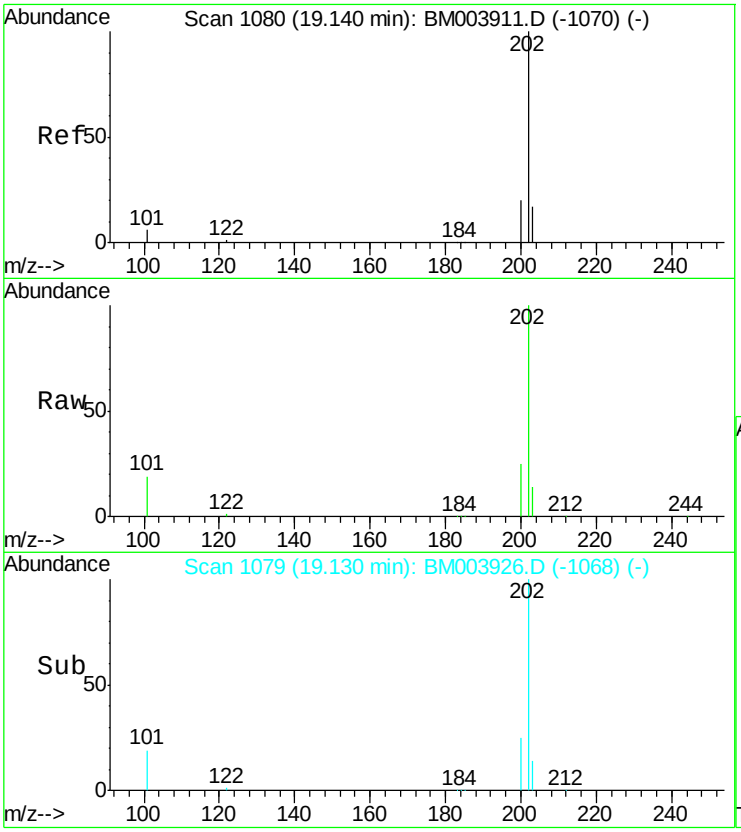


#24
Anthracene
Concen: 4.47 ng
RT: 17.20 min Scan# 982
Delta R.T. 0.01 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Tgt Ion:178 Resp: 196507

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.6	21.8
179	15.7	12.6	19.0



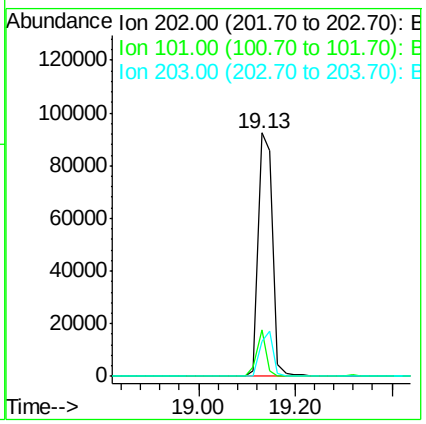


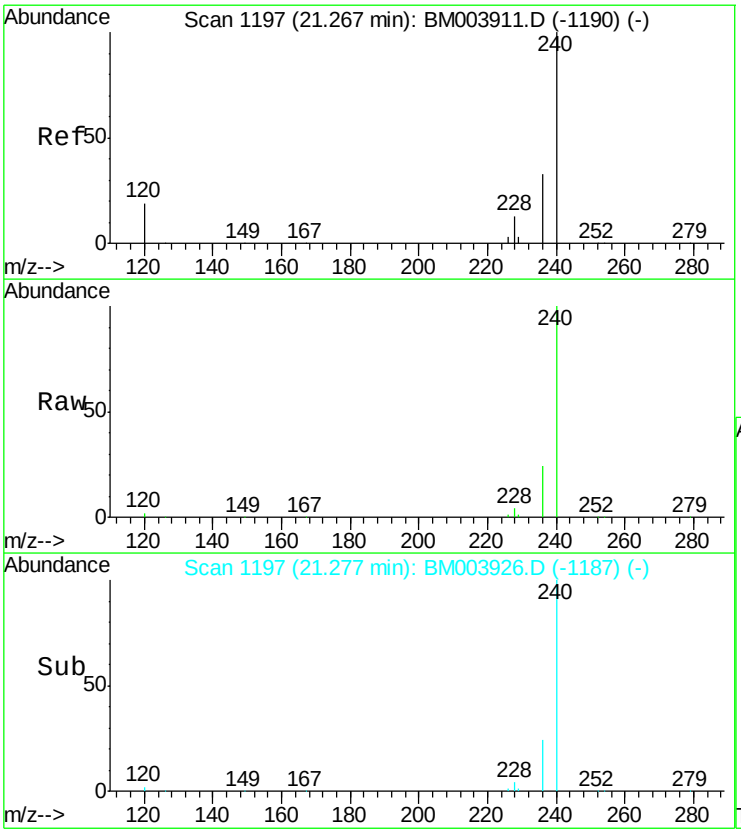
#25
Fluoranthene
Concen: 3.98 ng
RT: 19.13 min Scan# 1079
Delta R.T. -0.01 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87669BS

Tgt Ion:202 Resp: 193408

Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.7	14.5
203	17.3	13.8	20.8

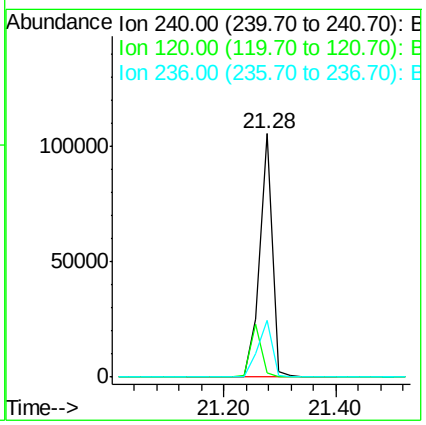


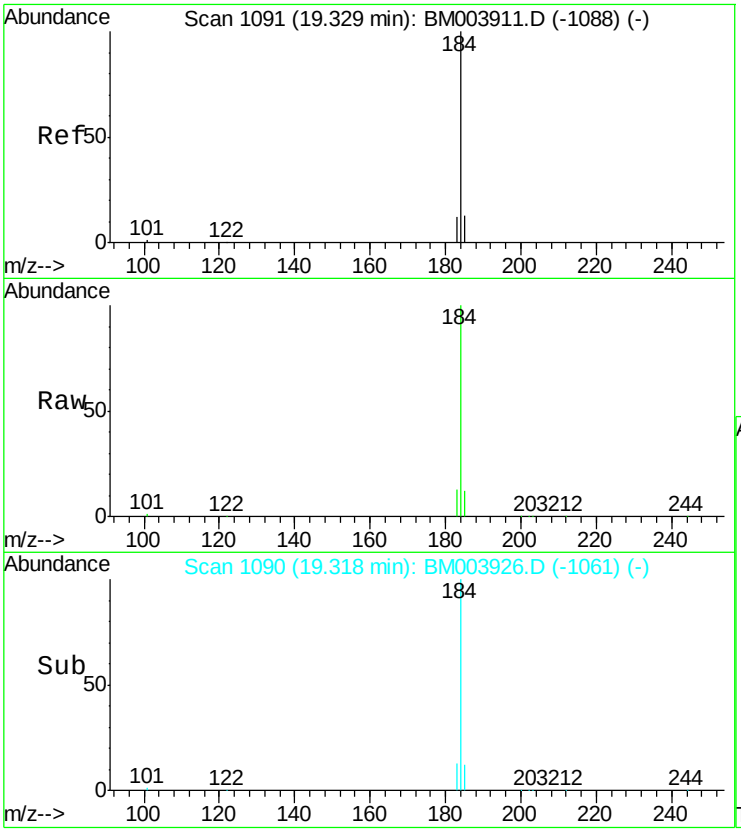


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.28 min Scan# 1197
Delta R.T. 0.01 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Tgt Ion:240 Resp: 165456

Ion	Ratio	Lower	Upper
240	100		
120	1.7	0.9	1.3#
236	23.5	17.3	25.9



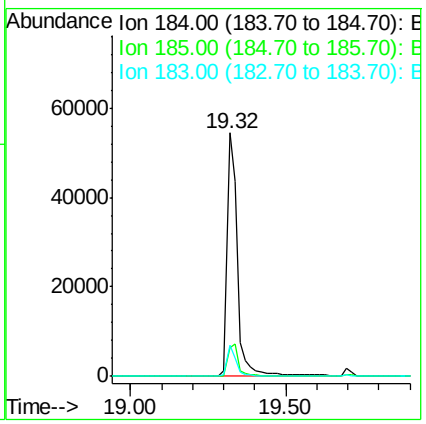


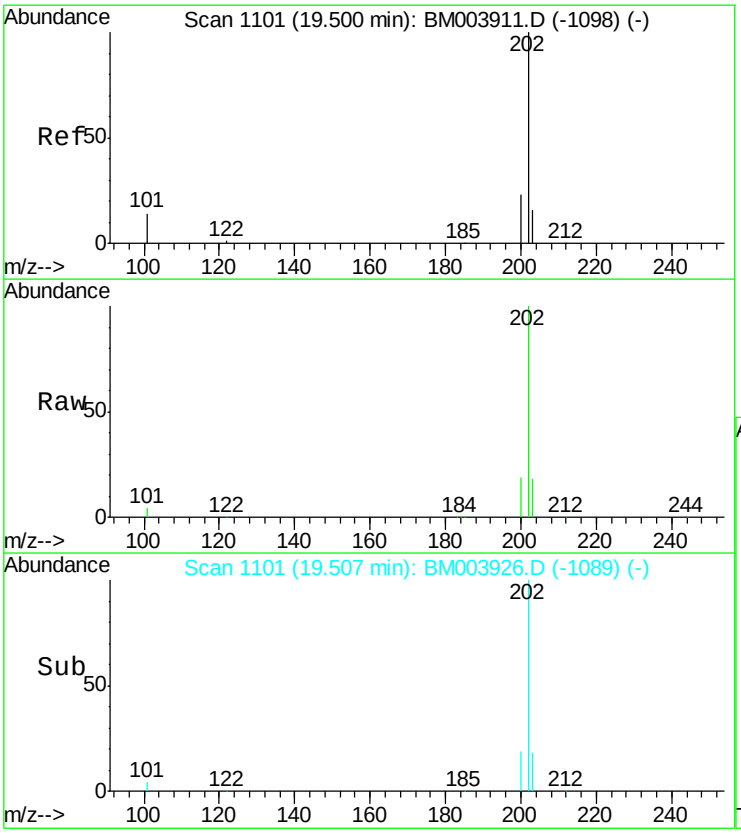
#27
Benzidine
Concen: 5.92 ng
RT: 19.32 min Scan# 1090
Delta R.T. -0.01 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87669BS

Tgt Ion:184 Resp: 122809

Ion	Ratio	Lower	Upper
184	100		
185	11.8	13.2	19.8#
183	13.0	9.0	13.6

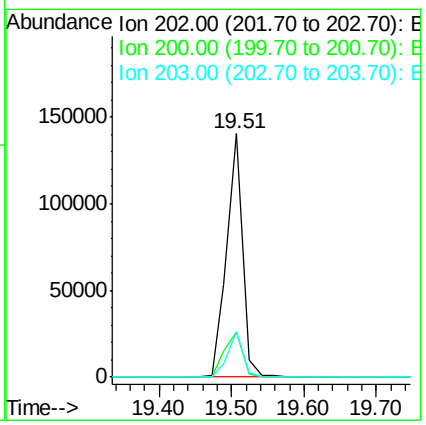


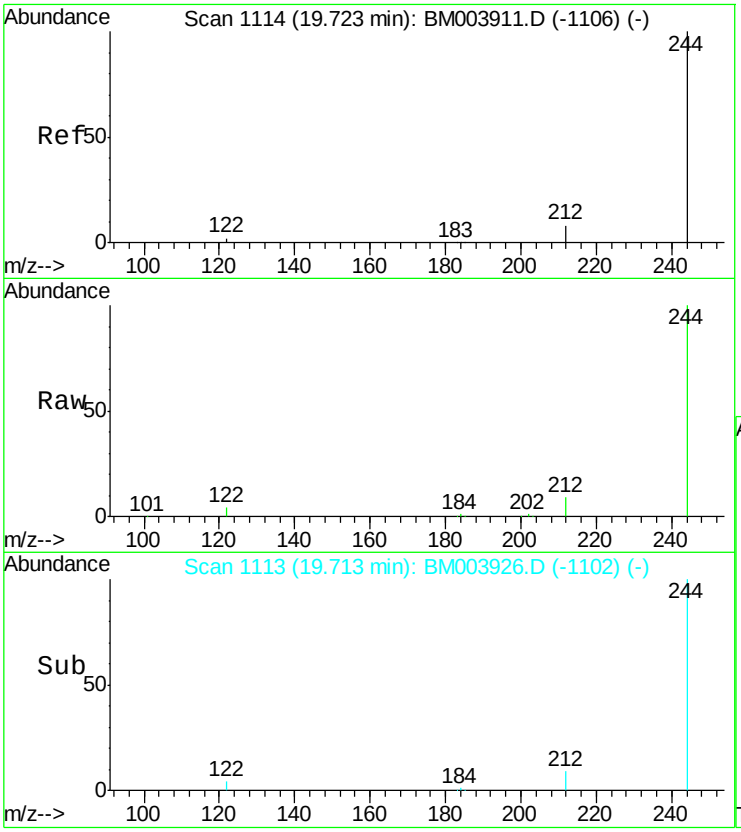


#28
Pyrene
Concen: 3.58 ng
RT: 19.51 min Scan# 1101
Delta R.T. 0.01 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Tgt Ion:202 Resp: 212776

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	17.7	14.0	21.0



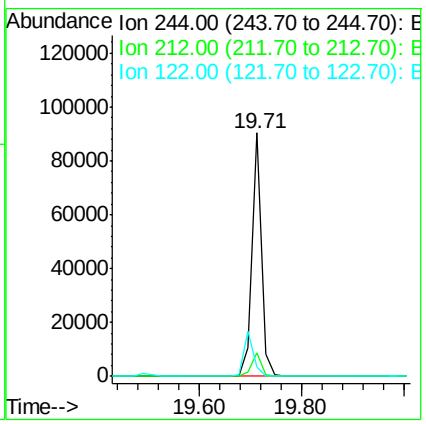


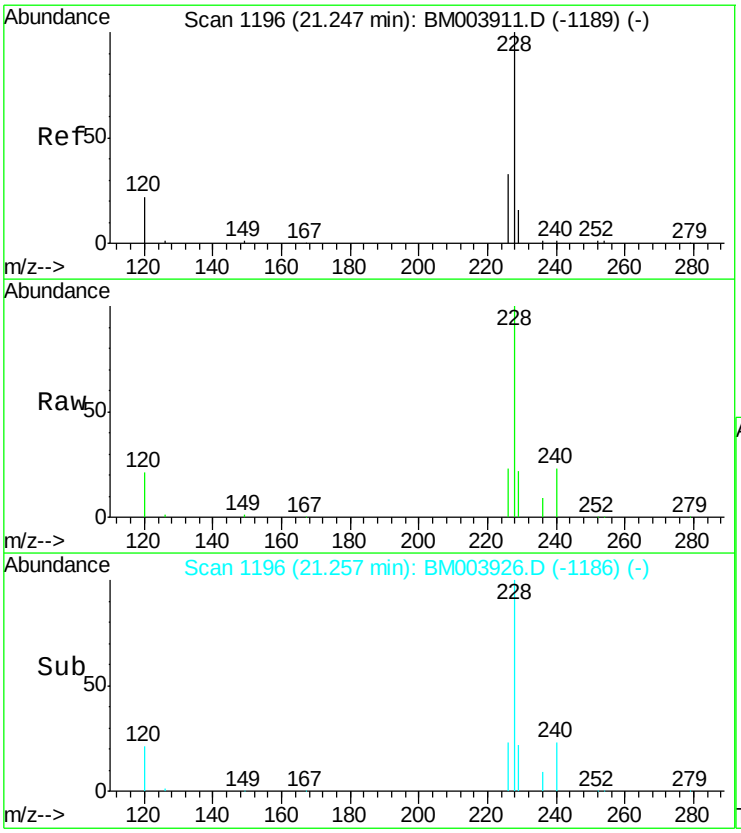
#29
Terphenyl-d14
Concen: 4.24 ng
RT: 19.71 min Scan# 1113
Delta R.T. -0.01 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87669BS

Tgt Ion:244 Resp: 113681

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.0	10.6
122	4.0	3.0	4.6

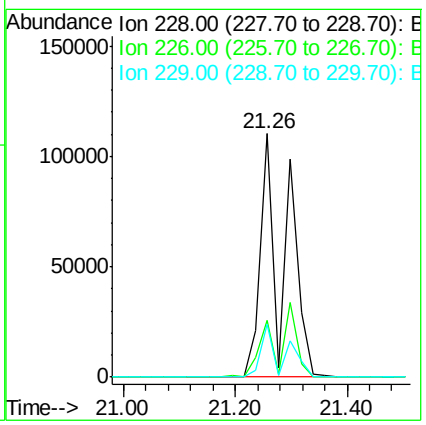


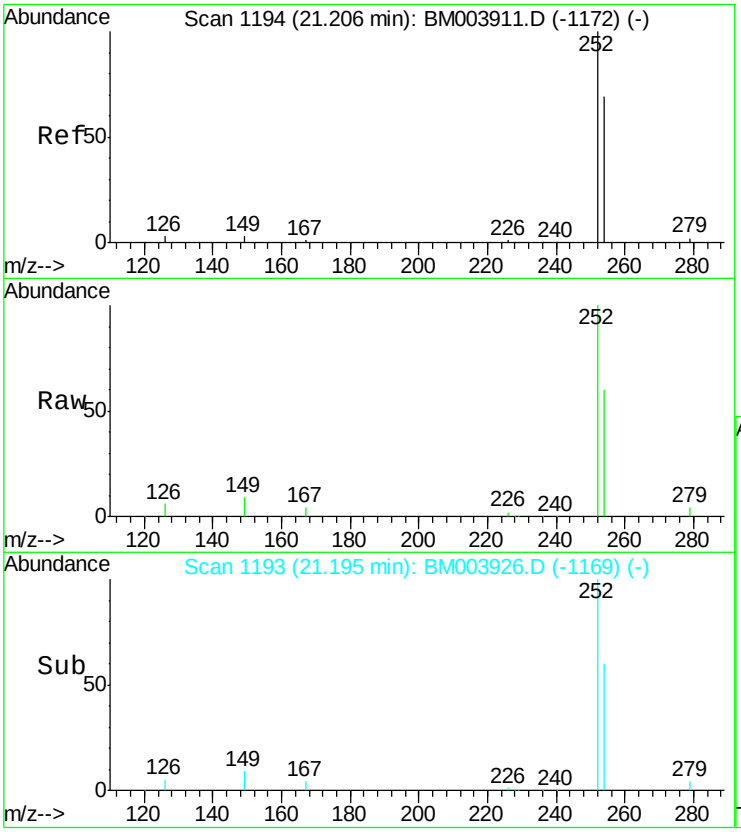


#30
Benzo(a)anthracene
Concen: 6.95 ng
RT: 21.26 min Scan# 1196
Delta R.T. 0.01 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Tgt Ion:228 Resp: 326873

Ion	Ratio	Lower	Upper
228	100		
226	23.1	17.2	25.8
229	21.7	18.7	28.1



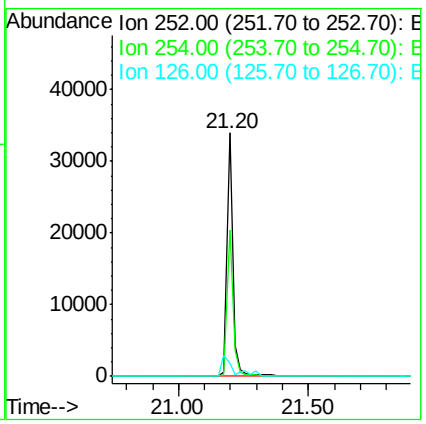


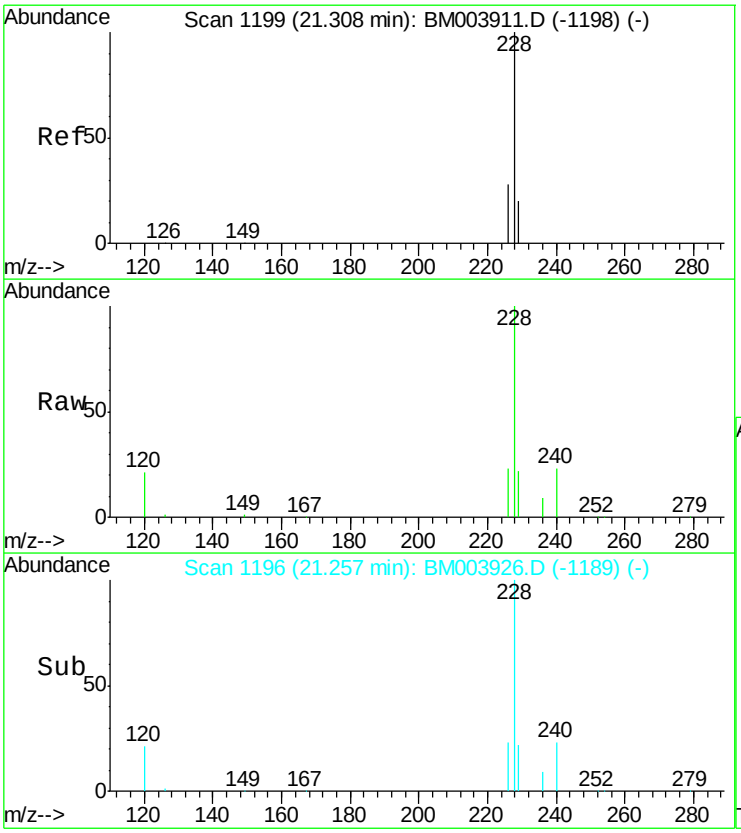
#31
3,3'-Dichlorobenzidine
Concen: 3.51 ng
RT: 21.20 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87669BS

Tgt Ion:252 Resp: 50686

Ion	Ratio	Lower	Upper
252	100		
254	59.9	52.6	79.0
126	5.6	3.7	5.5#

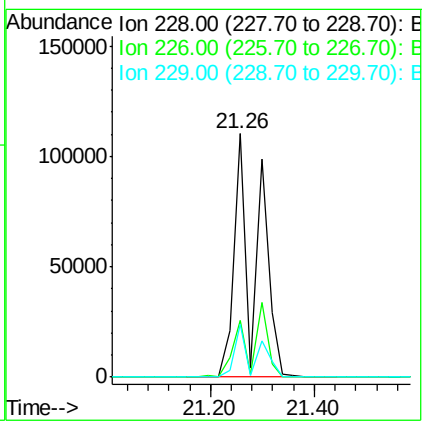


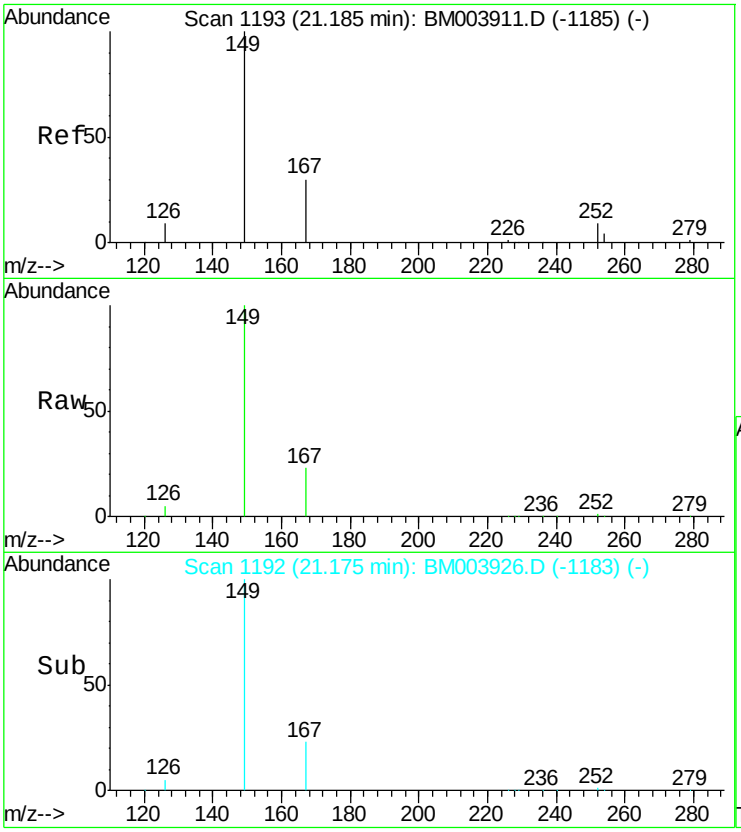


#32
Chrysene
Concen: 6.71 ng
RT: 21.26 min Scan# 1196
Delta R.T. -0.05 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Tgt Ion:228 Resp: 327689

Ion	Ratio	Lower	Upper
228	100		
226	23.1	25.3	37.9#
229	21.7	14.5	21.7#



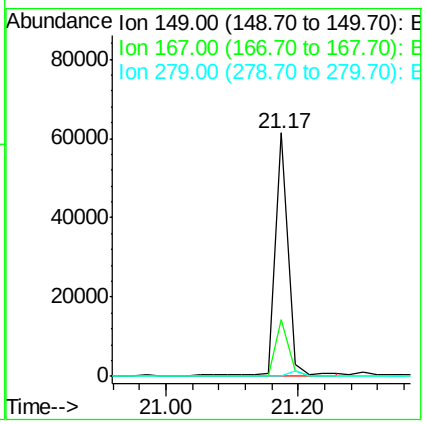


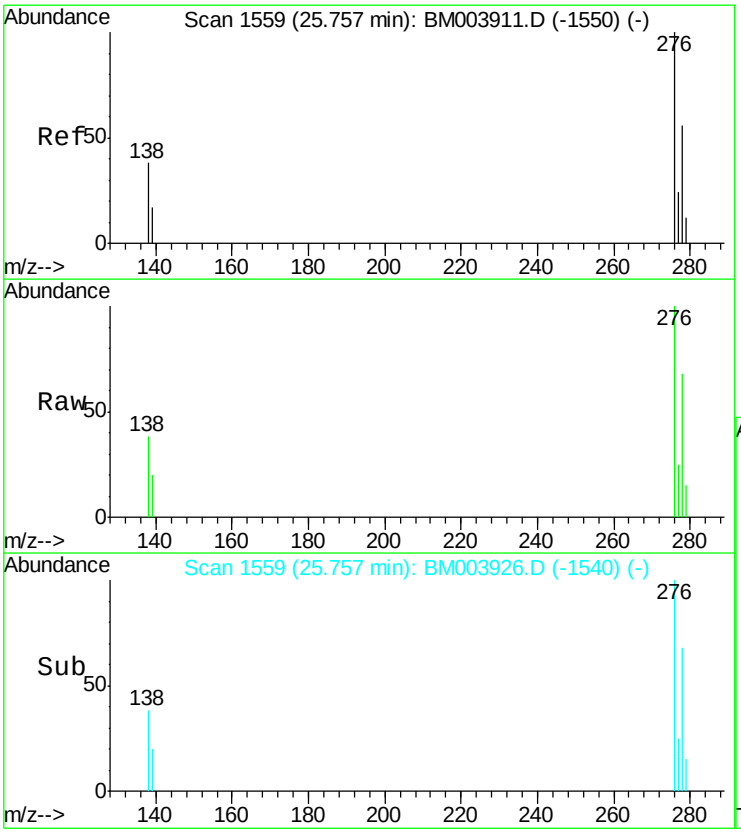
#33
Bis(2-ethylhexyl)phthalate
Concen: 2.99 ng
RT: 21.17 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87669BS

Tgt Ion:149 Resp: 80582

Ion	Ratio	Lower	Upper
149	100		
167	23.7	20.1	30.1
279	0.0	0.0	0.0

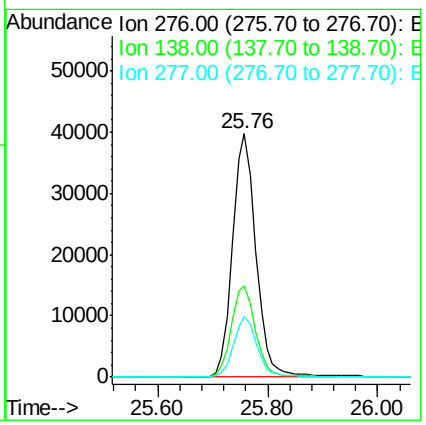


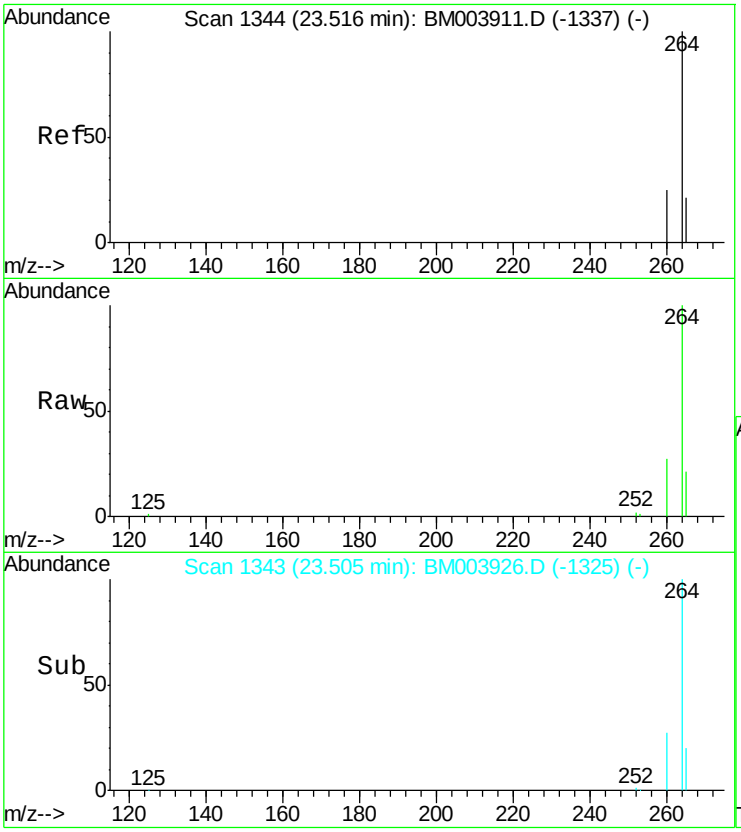


#34
Indeno(1,2,3-cd)pyrene
Concen: 3.35 ng
RT: 25.76 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Tgt Ion:276 Resp: 117133

Ion	Ratio	Lower	Upper
276	100		
138	38.6	30.2	45.2
277	24.8	19.8	29.8



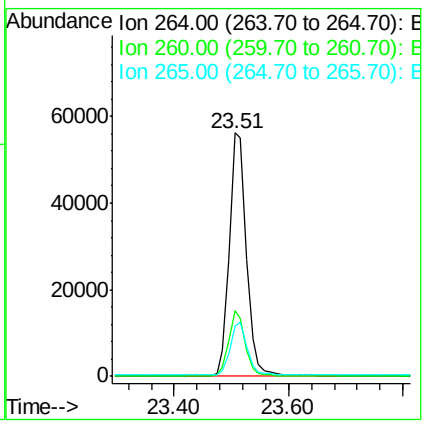


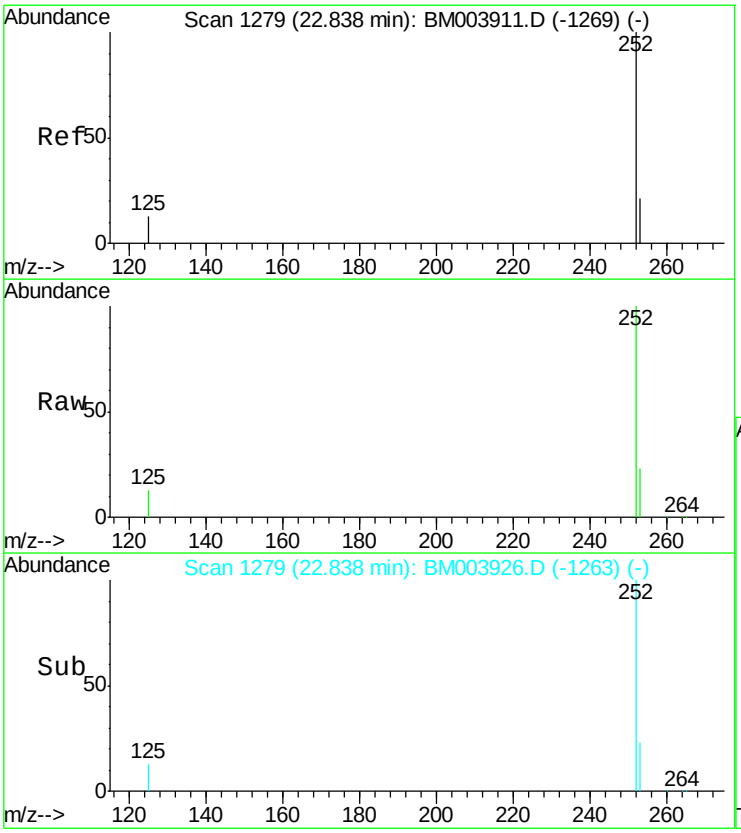
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.51 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87669BS

Tgt Ion:264 Resp: 117289

Ion	Ratio	Lower	Upper
264	100		
260	26.9	21.2	31.8
265	20.6	16.7	25.1

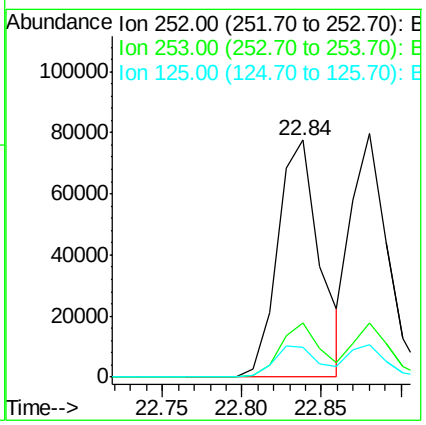


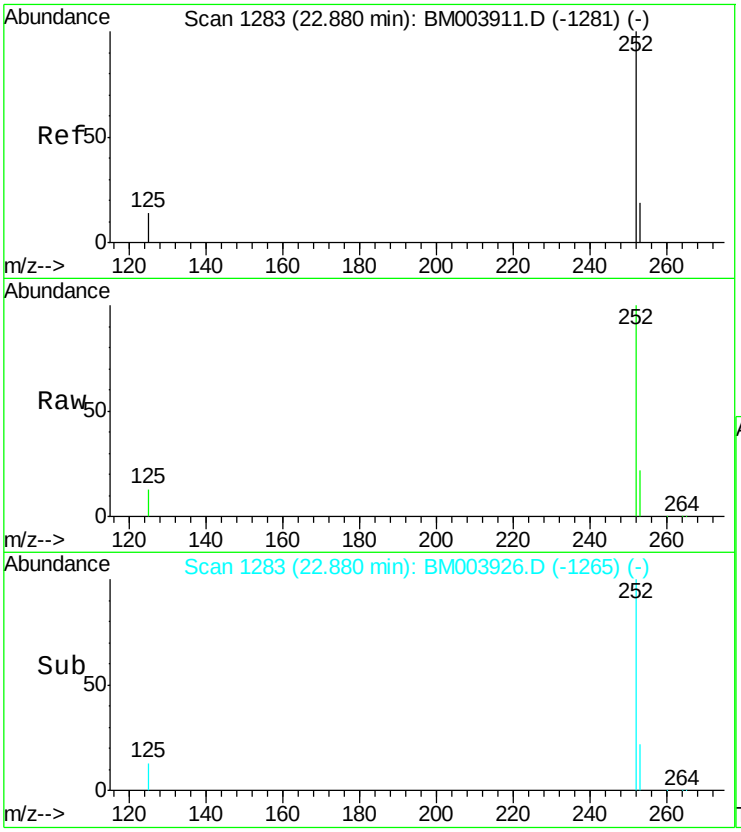


#36
Benzo(b)fluoranthene
Concen: 3.98 ng
RT: 22.84 min Scan# 1279
Delta R.T. 0.00 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Tgt Ion:252 Resp: 142493

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.8	28.2
125	12.7	10.2	15.4



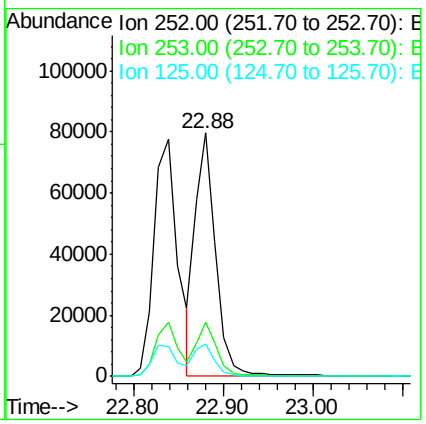


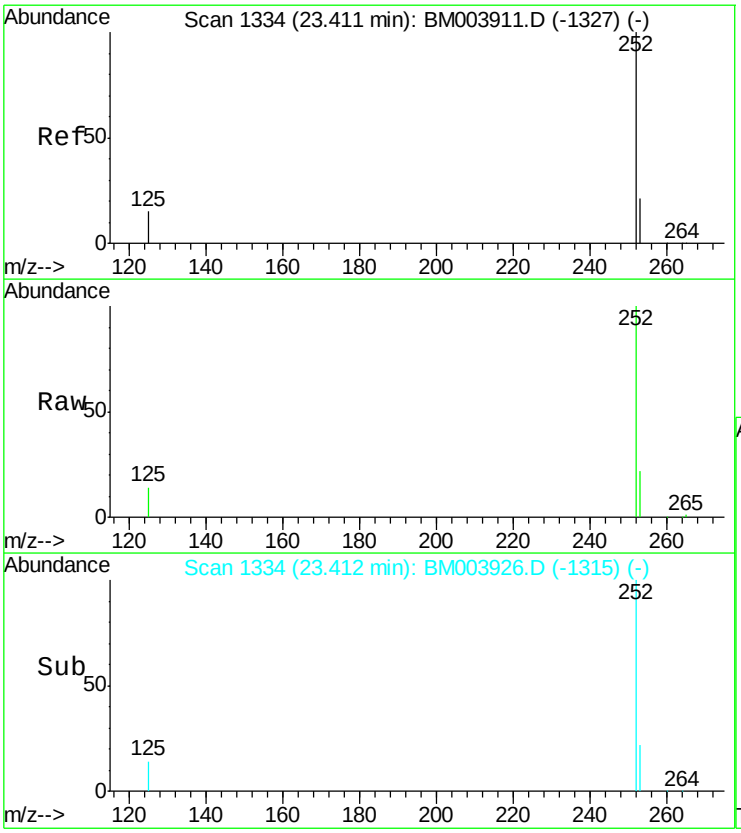
#37
Benzo(k)fluoranthene
Concen: 3.62 ng
RT: 22.88 min Scan# 1283
Delta R.T. 0.00 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87669BS

Tgt Ion:252 Resp: 125716

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.3	27.5
125	13.1	10.6	15.8

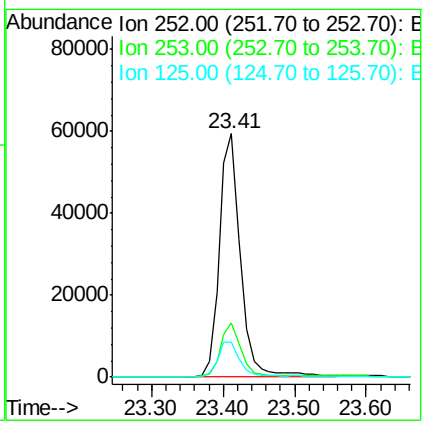


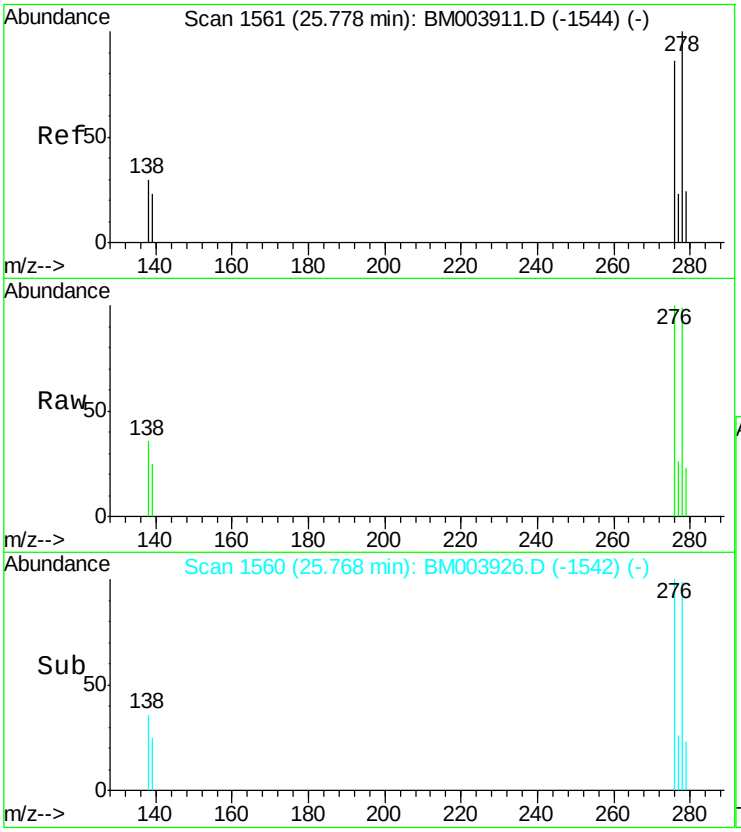


#38
Benzo(a)pyrene
Concen: 3.95 ng
RT: 23.41 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Tgt Ion:252 Resp: 120649

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.7	28.1
125	14.3	11.8	17.8



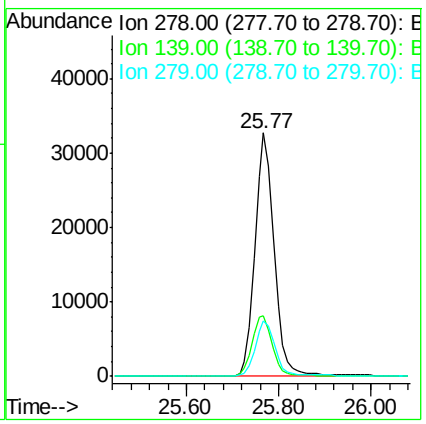


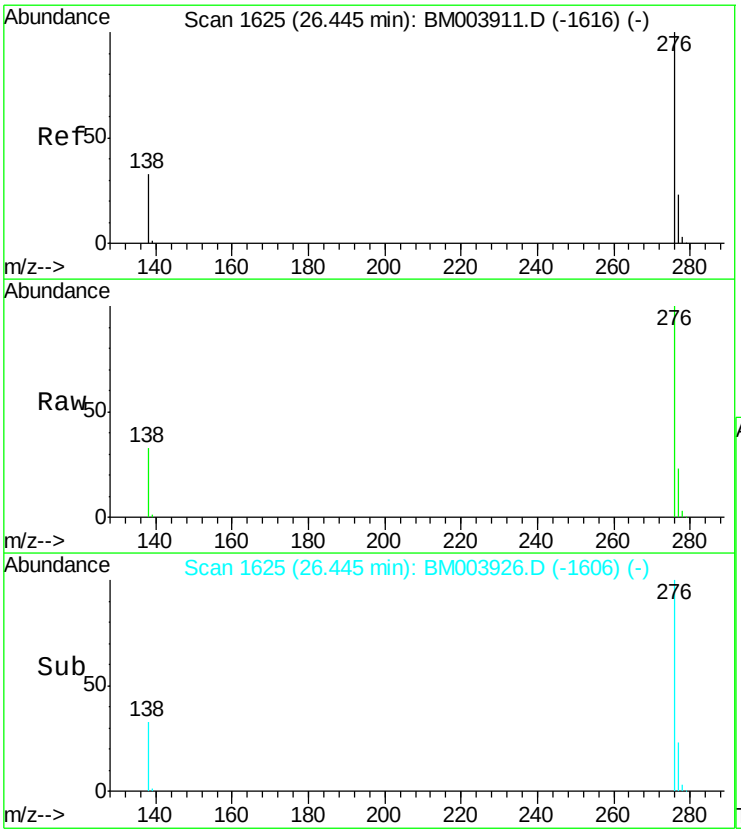
#39
Dibenzo(a,h)anthracene
Concen: 3.62 ng
RT: 25.77 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87669BS

Tgt Ion:278 Resp: 94189

Ion	Ratio	Lower	Upper
278	100		
139	25.1	19.0	28.6
279	22.9	19.6	29.4





#40
Benzo(g,h,i)perylene
Concen: 3.59 ng
RT: 26.45 min Scan# 1625
Delta R.T. 0.00 min
Lab File: BM003926.D
Acq: 08 Jan 2016 17:22

Tgt Ion:276 Resp: 99167

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.1	28.7
138	33.2	25.0	37.4