Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM010216\
Data File : BM003909.D
Acq On : 31 Dec 2015 11:57
Operator : SJ/UM
Sample : SSTDICC0.5
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SSTDICC0.5

Quant Time: Dec 31 14:56:56 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM010216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 31 14:50:56 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	51530	5.00	ng		0.00
7) Naphthalene-d8	10.46	136	214226	5.00	ng		0.00
13) Acenaphthene-d10	14.33	164	108385	5.00	ng		0.00
19) Phenanthrene-d10	17.06	188	277978	5.00	ng		0.00
26) Chrysene-d12	21.27	240	162739	5.00	ng		0.00
35) Perylene-d12	23.52	264	126872	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.27	112	5014	0.48	ng		0.00
5) Phenol-d6	6.85	99	5959	0.48	ng		0.00
8) Nitrobenzene-d5	8.84	82	4824	0.48	ng		0.00
14) 2,4,6-Tribromophenol	15.81	330	1048	0.46	ng		0.00
15) 2-Fluorobiphenyl	12.94	172	17632	0.50	ng		0.00
29) Terphenyl-d14	19.72	244	13658	0.52	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.17	88	2426	0.47	ng		98
3) n-Nitrosodimethylamine	3.49	42	2499	0.47	ng		99
6) bis(2-Chloroethyl)ether	7.11	93	5537	0.47	ng		97
9) Nitrobenzene	8.88	77	5083	0.47	ng		99
10) Naphthalene	10.51	128	23101	0.48	ng		96
11) Hexachlorobutadiene	10.78	225	3499	0.48	ng		100
12) 2-Methylnaphthalene	12.13	142	15456	0.48	ng		99
16) Acenaphthylene	14.04	152	20933	0.48	ng		99
17) Acenaphthene	14.37	154	15342	0.48	ng		94
18) Fluorene	15.37	166	18171	0.48	ng		95
20) 4-Bromophenyl-phenylether	16.27	248	4062	0.46	ng	#	56
21) Hexachlorobenzene	16.40	284	4147	0.44	ng	#	48
22) Pentachlorophenol	16.73	266	685	0.37	ng	#	77
23) Phenanthrene	17.11	178	27246	0.45	ng		98
24) Anthracene	17.19	178	24363	0.44	ng		97
25) Fluoranthene	19.14	202	28705	0.46	ng		100
27) Benzidine	19.33	184	5591	0.53	ng	#	94
28) Pyrene	19.50	202	30775	0.53	ng		99
30) Benzo(a)anthracene	21.25	228	22705	0.49	ng	#	80
31) 3,3'-Dichlorobenzidine	21.21	252	5524	0.51	ng	#	99
32) Chrysene	21.31	228	24980	0.52	ng		96
33) Bis(2-ethylhexyl)phthalate	21.19	149	8460	0.47	ng	#	97
34) Indeno(1,2,3-cd)pyrene	25.77	276	17670	0.52	ng		100
36) Benzo(b)fluoranthene	22.84	252	17904	0.46	ng		96
37) Benzo(k)fluoranthene	22.89	252	18633	0.49	ng		98
38) Benzo(a)pyrene	23.41	252	15781	0.48	ng		98
39) Dibenzo(a,h)anthracene	25.78	278	14141	0.50	ng		97
40) Benzo(g,h,i)perylene	26.46	276	15157	0.50	ng		97

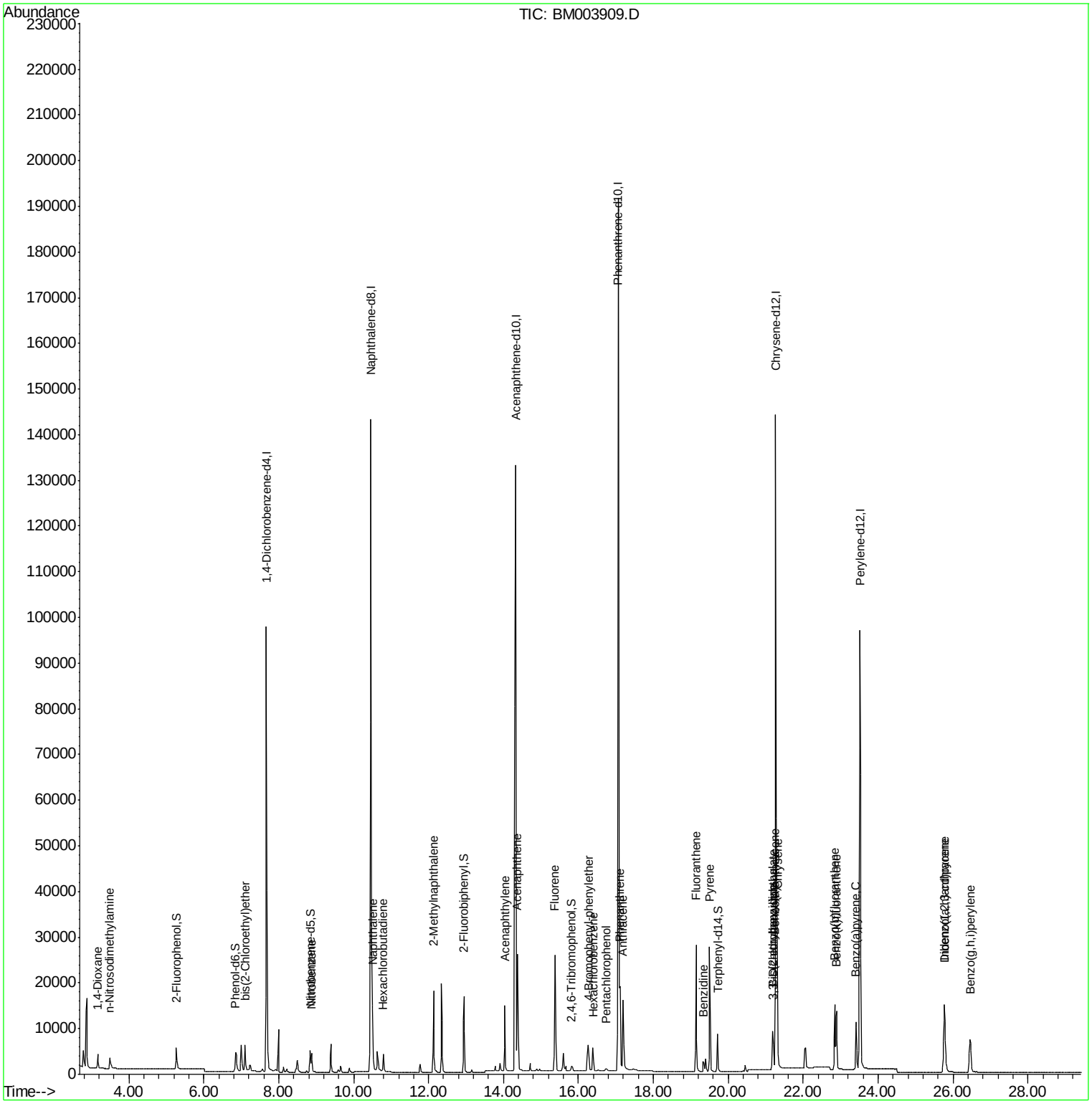
(#) = qualifier out of range (m) = manual integration (+) = signals summed

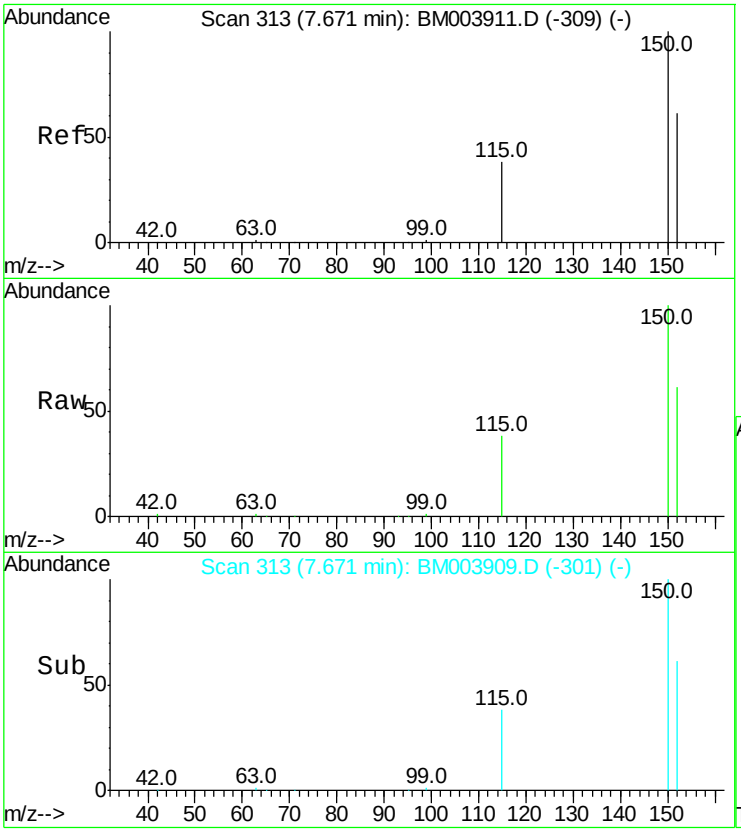
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM010216\
Data File : BM003909.D
Acq On : 31 Dec 2015 11:57
Operator : SJ/UM
Sample : SSTDICC0.5
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Quant Time: Dec 31 14:56:56 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM010216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 31 14:50:56 2015
Response via : Initial Calibration



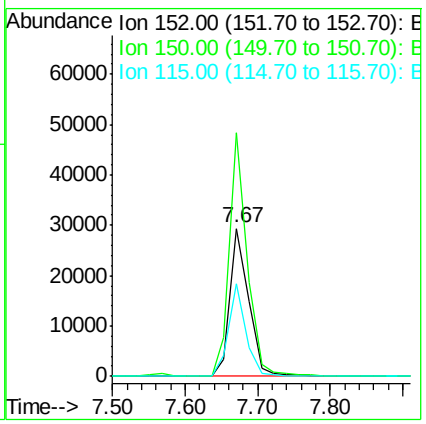


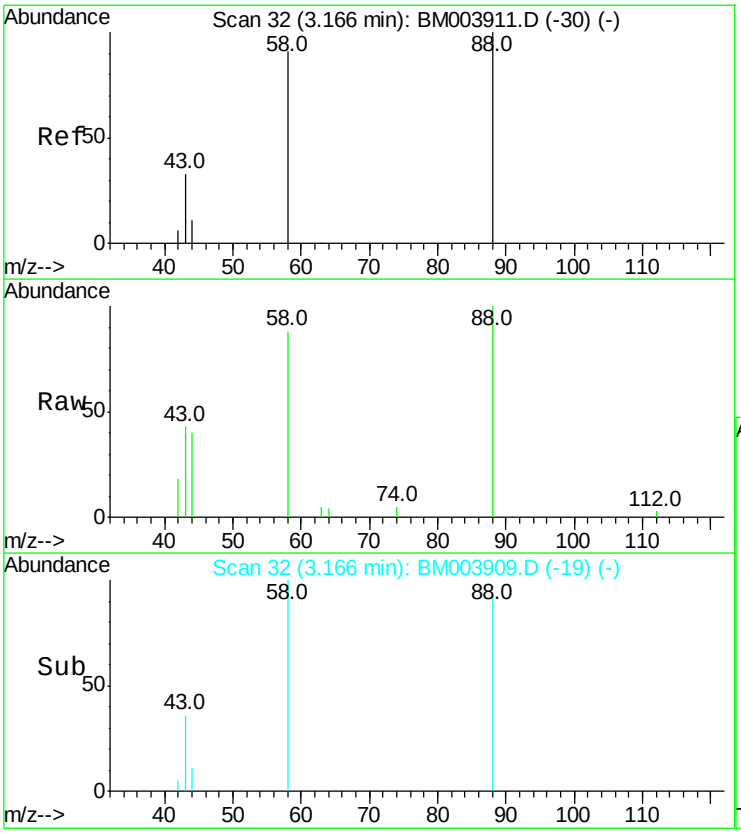
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.67 min Scan# 313
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:152 Resp: 51530

Ion	Ratio	Lower	Upper
152	100		
150	164.8	122.9	184.3
115	62.7	44.4	66.6

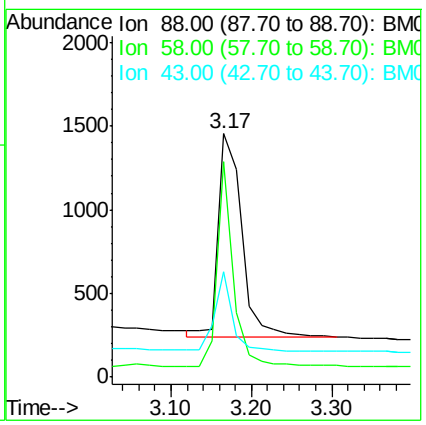


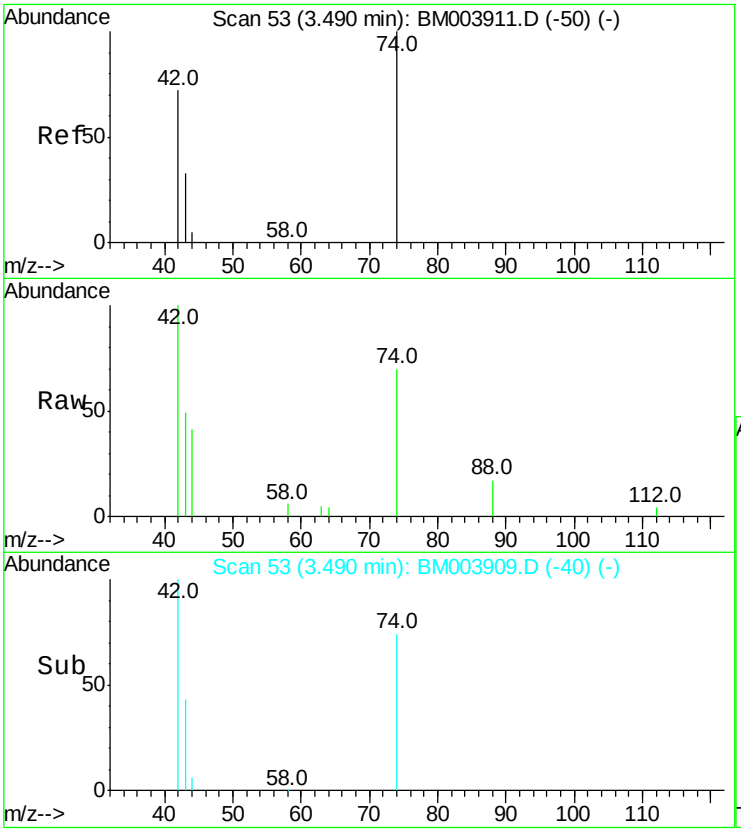


#2
1,4-Dioxane
Concen: 0.47 ng
RT: 3.17 min Scan# 32
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Tgt Ion: 88 Resp: 2426

Ion	Ratio	Lower	Upper
88	100		
58	69.0	53.8	80.6
43	29.8	23.8	35.6



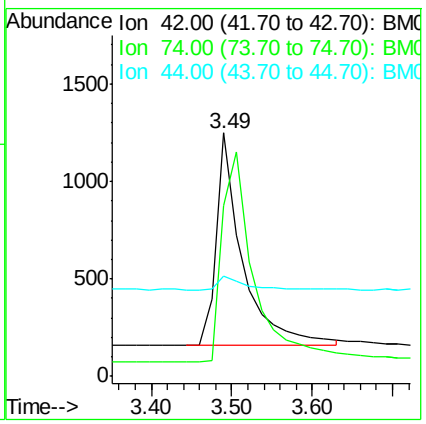


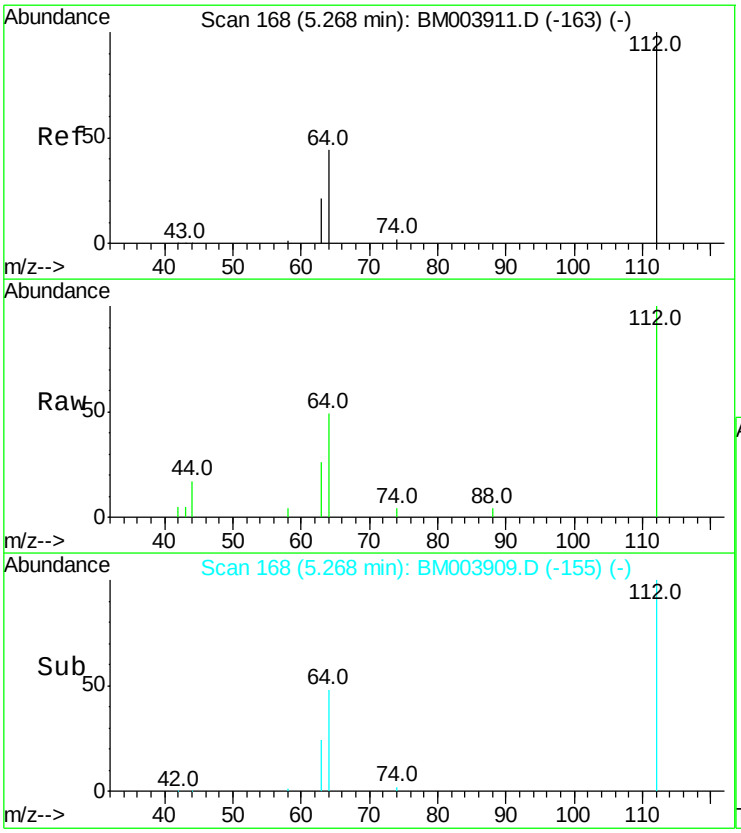
#3
n-Nitrosodimethylamine
Concen: 0.47 ng
RT: 3.49 min Scan# 53
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion: 42 Resp: 2499

Ion	Ratio	Lower	Upper
42	100		
74	119.5	95.0	142.4
44	6.7	5.1	7.7

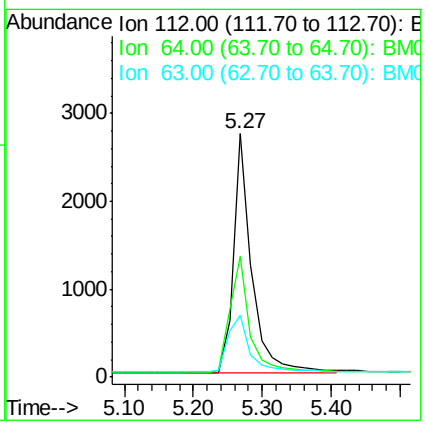


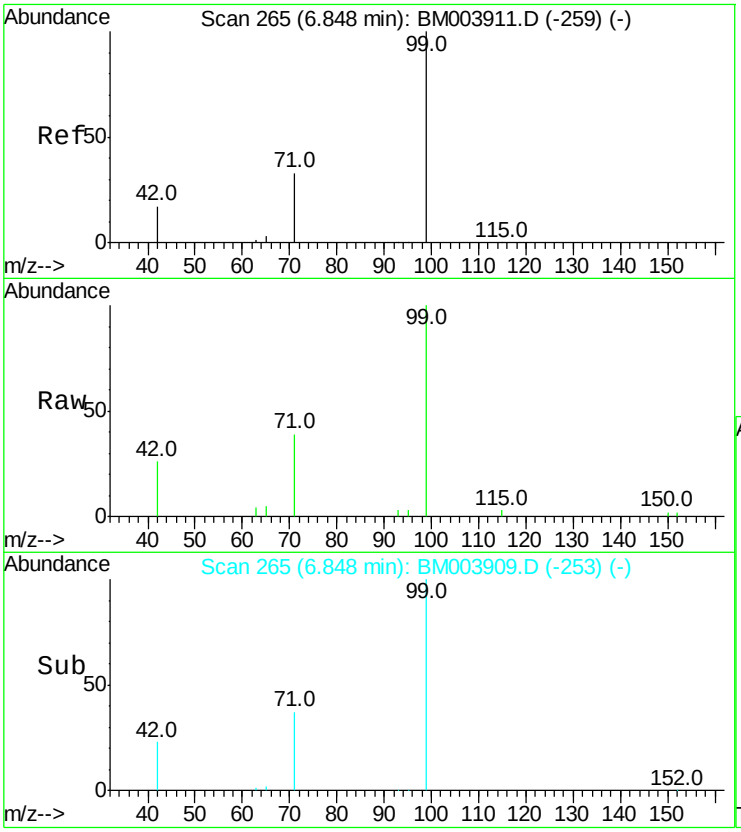


#4
2-Fluorophenol
Concen: 0.48 ng
RT: 5.27 min Scan# 168
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Tgt Ion:112 Resp: 5014

Ion	Ratio	Lower	Upper
112	100		
64	52.7	41.8	62.8
63	27.7	22.1	33.1



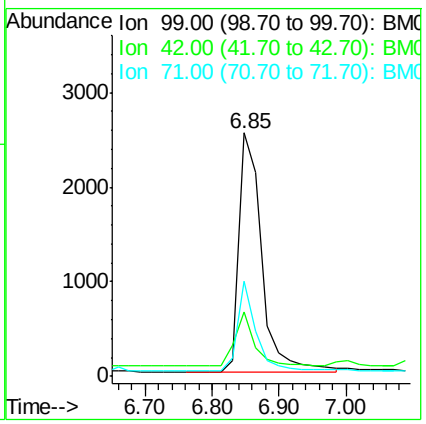


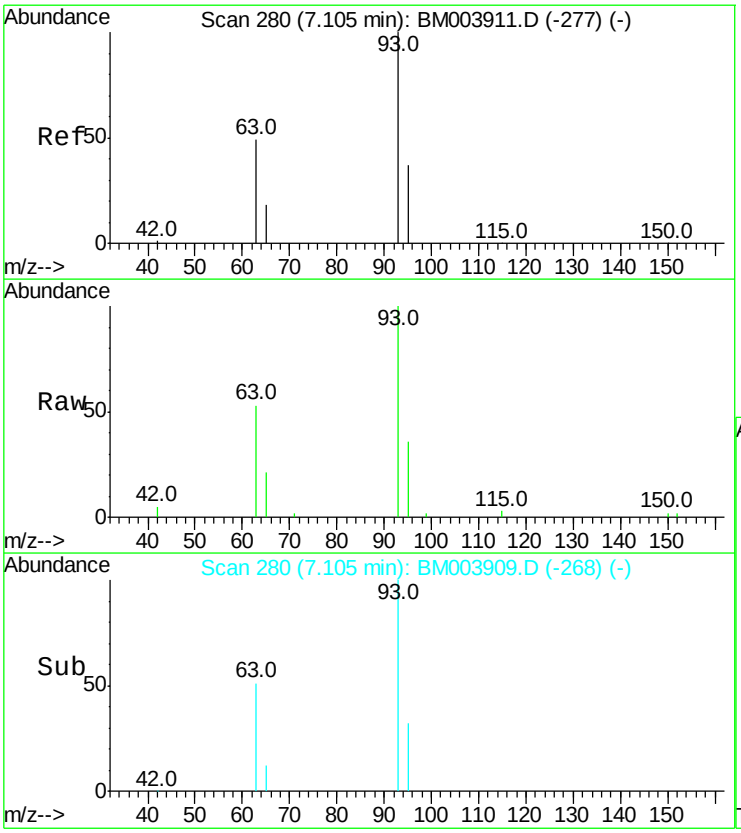
#5
Phenol-d6
Concen: 0.48 ng
RT: 6.85 min Scan# 265
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion: 99 Resp: 5959

Ion	Ratio	Lower	Upper
99	100		
42	19.6	16.2	24.2
71	31.0	24.4	36.6

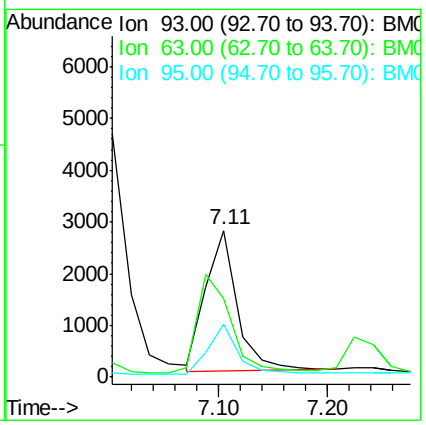


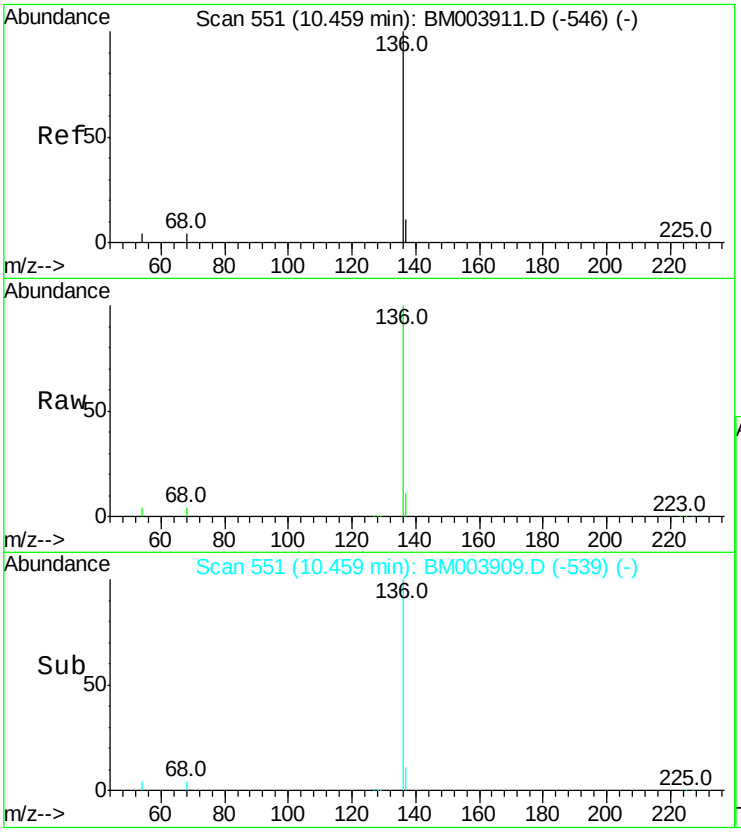


#6
bis(2-Chloroethyl)ether
Concen: 0.47 ng
RT: 7.11 min Scan# 280
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Tgt Ion: 93 Resp: 5537

Ion	Ratio	Lower	Upper
93	100		
63	75.0	58.3	87.5
95	34.3	25.8	38.8



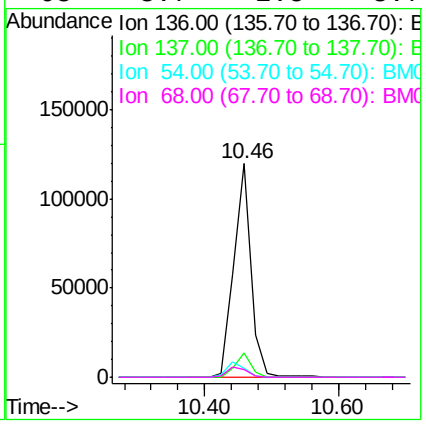


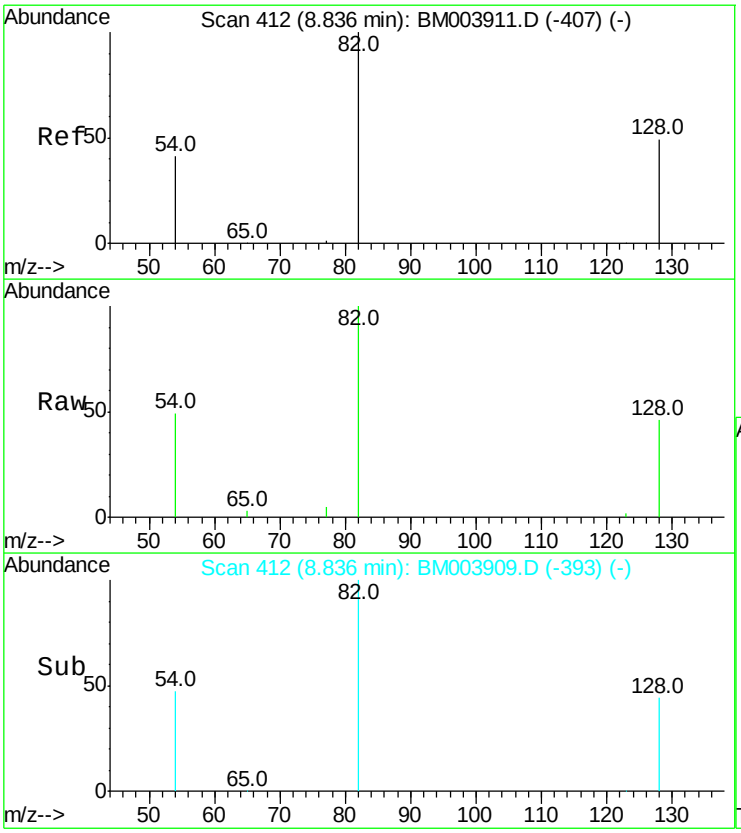
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.46 min Scan# 551
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:136 Resp: 214226

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	4.5	2.8	4.2#
68	3.7	2.5	3.7

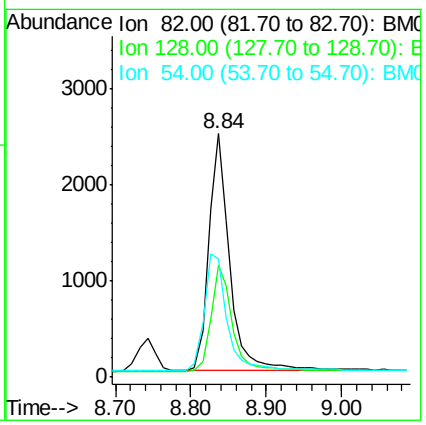


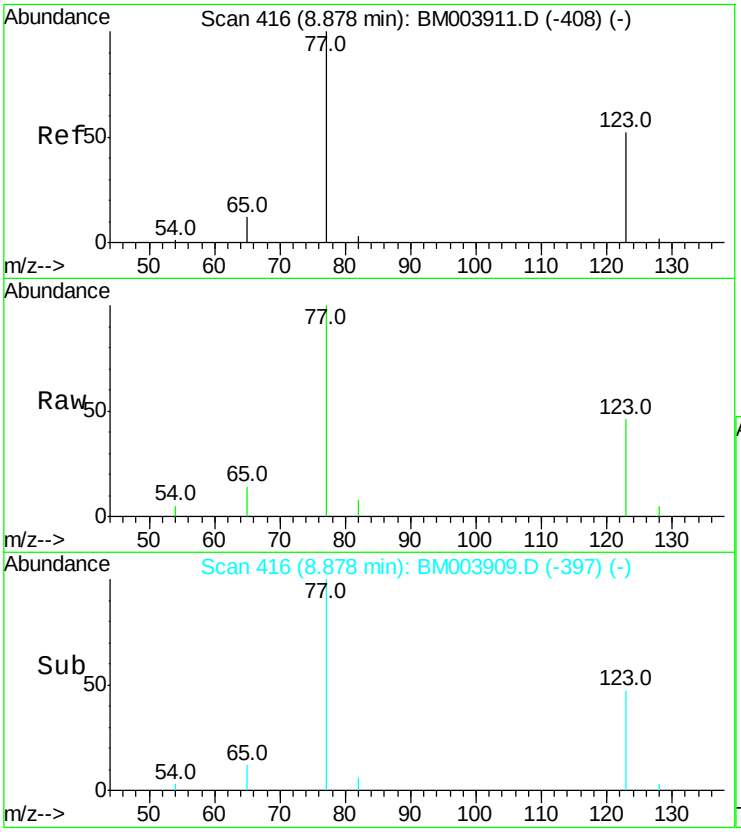


#8
Nitrobenzene-d5
Concen: 0.48 ng
RT: 8.84 min Scan# 412
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Tgt Ion: 82 Resp: 4824

Ion	Ratio	Lower	Upper
82	100		
128	45.8	39.1	58.7
54	48.6	34.8	52.2



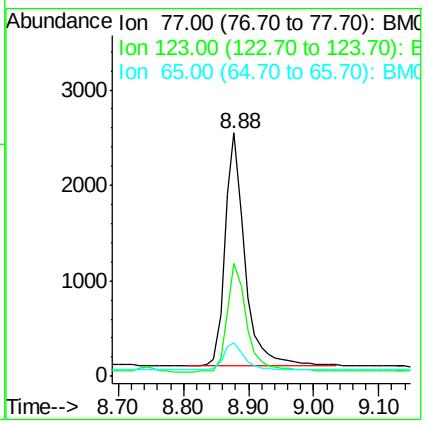


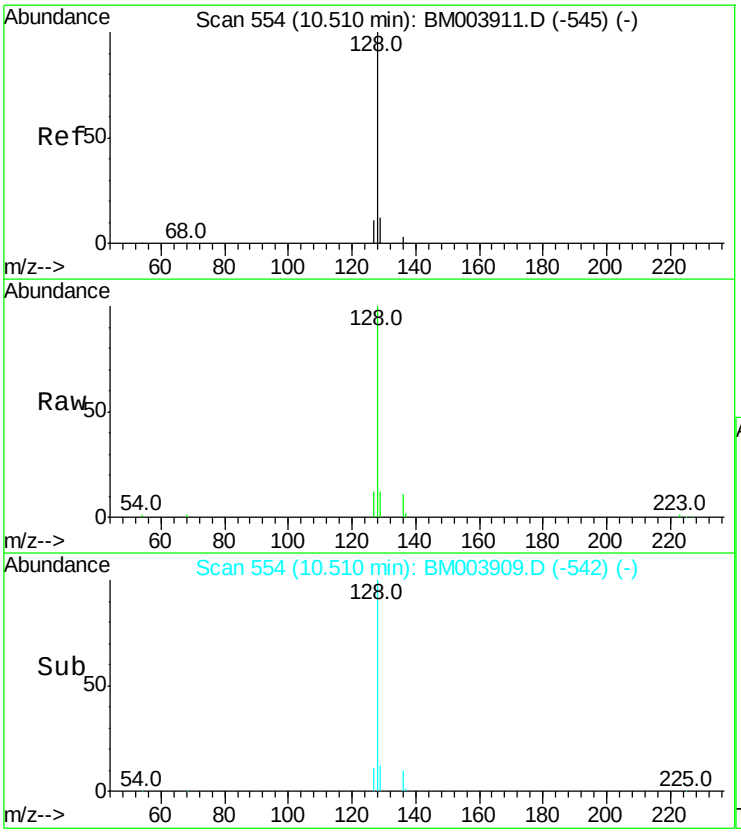
#9
Nitrobenzene
Concen: 0.47 ng
RT: 8.88 min Scan# 416
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion: 77 Resp: 5083

Ion	Ratio	Lower	Upper
77	100		
123	47.3	38.6	57.8
65	12.6	9.9	14.9

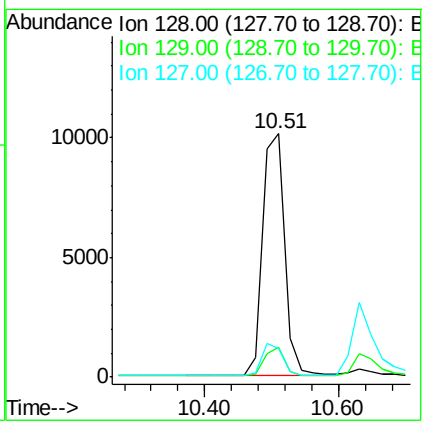


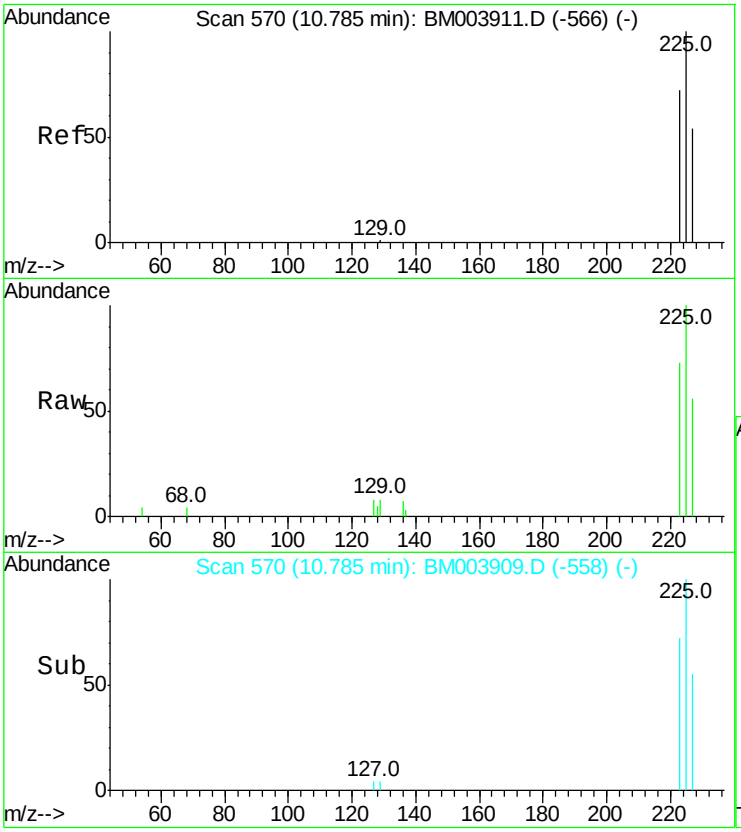


#10
Naphthalene
Concen: 0.48 ng
RT: 10.51 min Scan# 554
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Tgt Ion:128 Resp: 23101

Ion	Ratio	Lower	Upper
128	100		
129	12.3	8.5	12.7
127	11.9	11.0	16.4



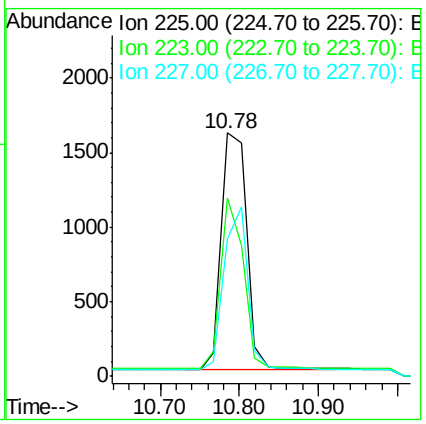


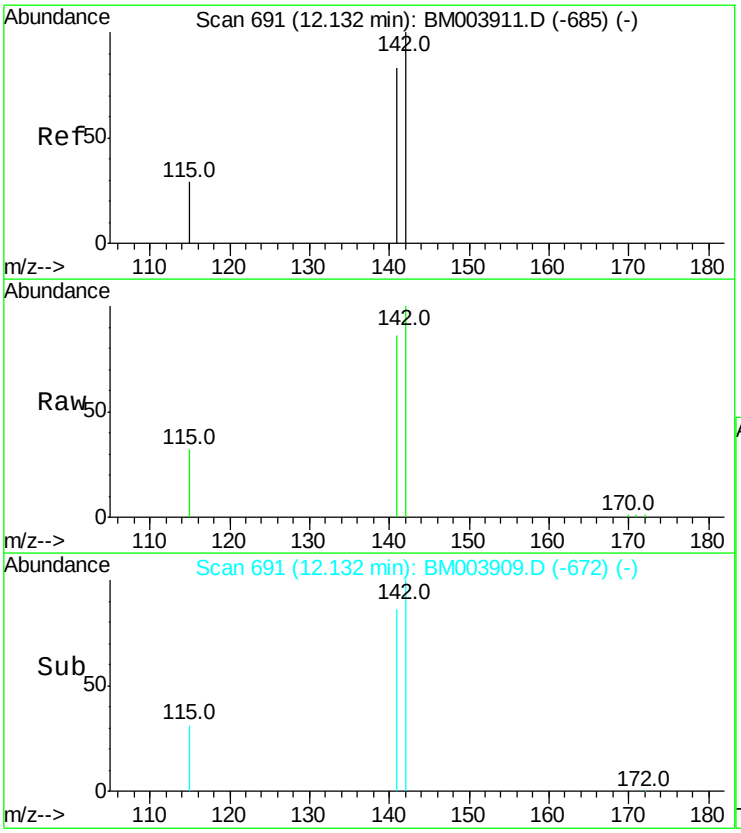
#11
Hexachlorobutadiene
Concen: 0.48 ng
RT: 10.78 min Scan# 570
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:225 Resp: 3499

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.9	76.3
227	63.7	51.2	76.8

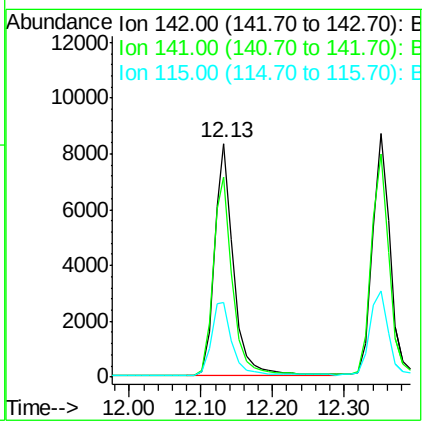


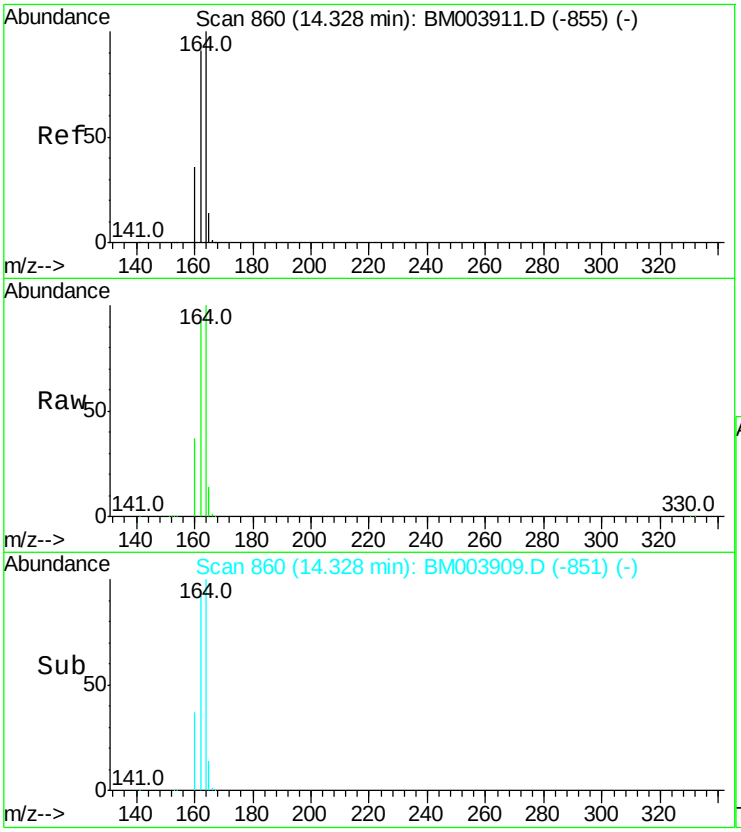


#12
2-Methylnaphthalene
Concen: 0.48 ng
RT: 12.13 min Scan# 691
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Tgt Ion:142 Resp: 15456

Ion	Ratio	Lower	Upper
142	100		
141	85.7	67.8	101.8
115	31.8	25.3	37.9



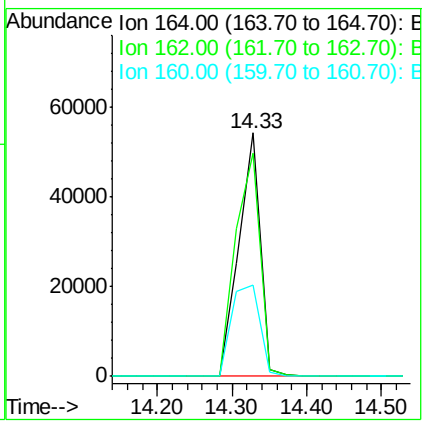


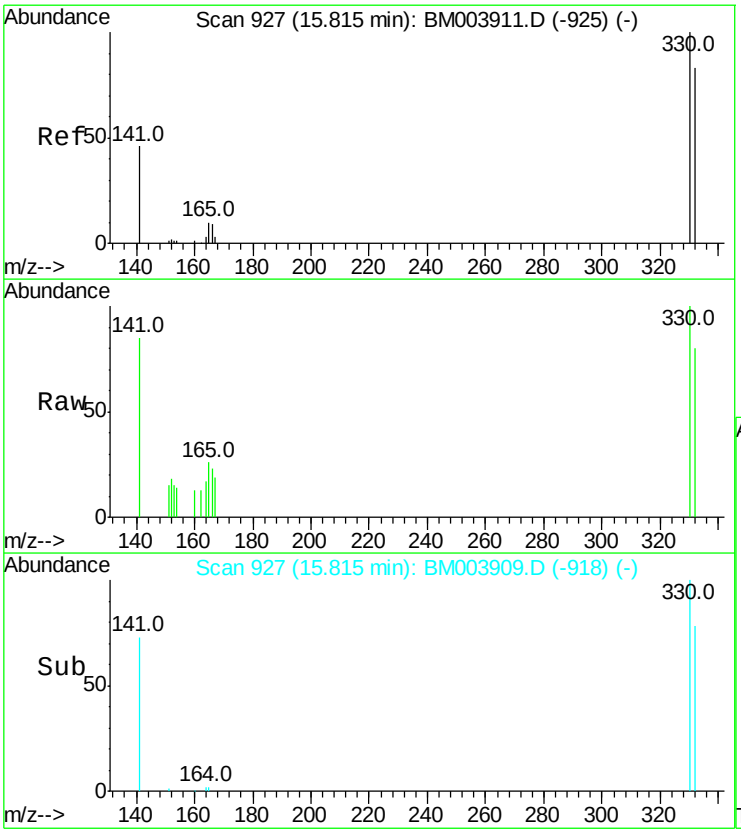
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.33 min Scan# 860
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:164 Resp: 108385

Ion	Ratio	Lower	Upper
164	100		
162	91.5	86.0	129.0
160	37.5	40.3	60.5#

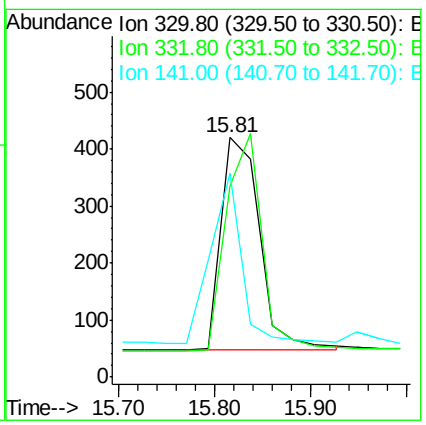


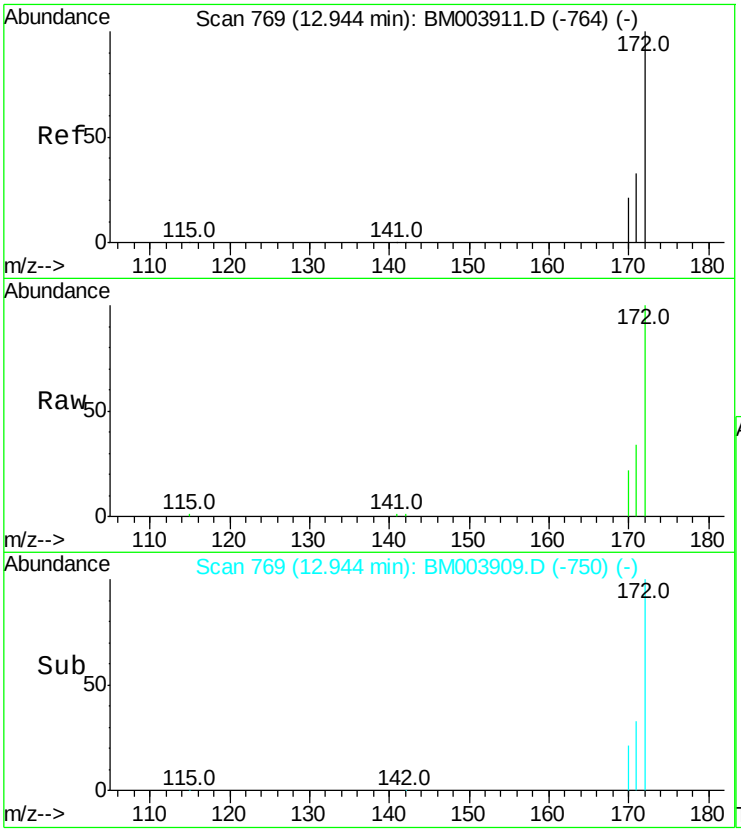


#14
2,4,6-Tribromophenol
Concen: 0.46 ng
RT: 15.81 min Scan# 927
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Tgt Ion:330 Resp: 1048

Ion	Ratio	Lower	Upper
330	100		
332	0.0	79.0	118.4#
141	63.5	0.0	0.0#



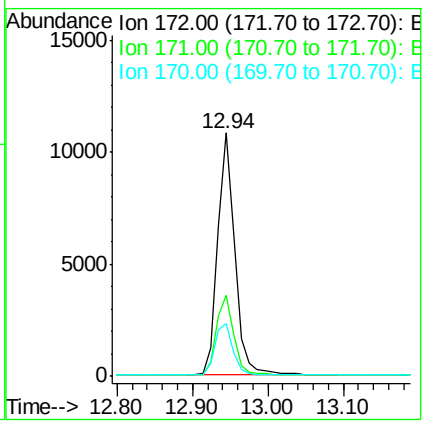


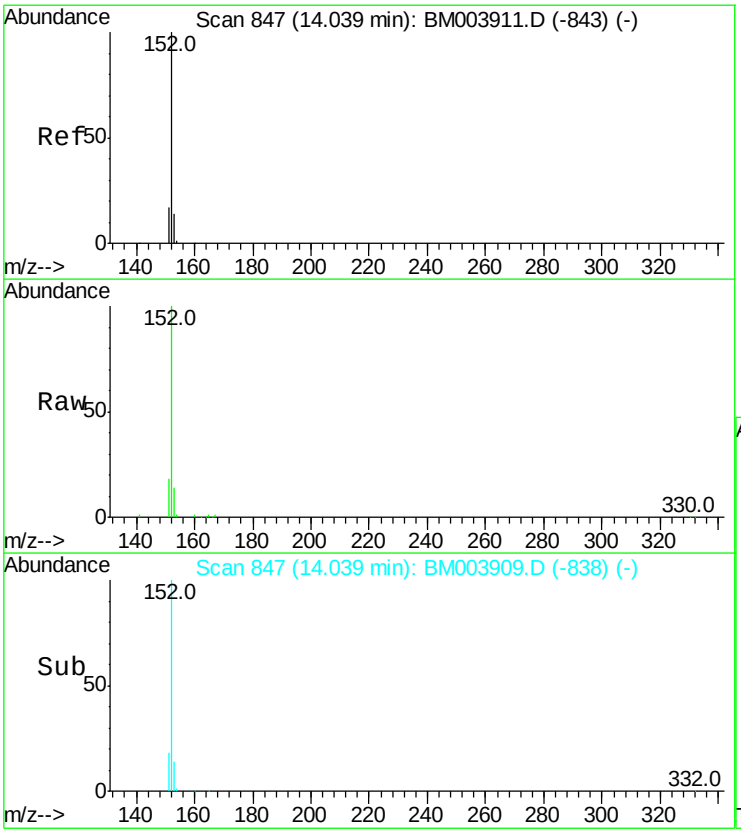
#15
2-Fluorobiphenyl
Concen: 0.50 ng
RT: 12.94 min Scan# 769
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:172 Resp: 17632

Ion	Ratio	Lower	Upper
172	100		
171	33.5	27.0	40.6
170	21.7	17.9	26.9

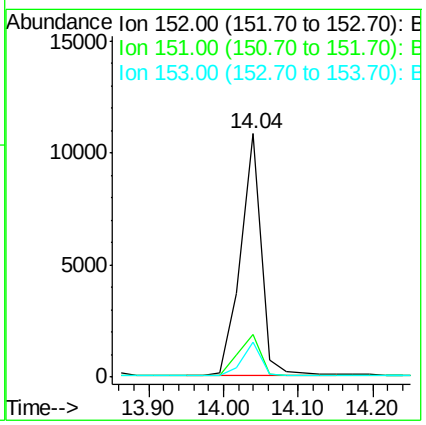


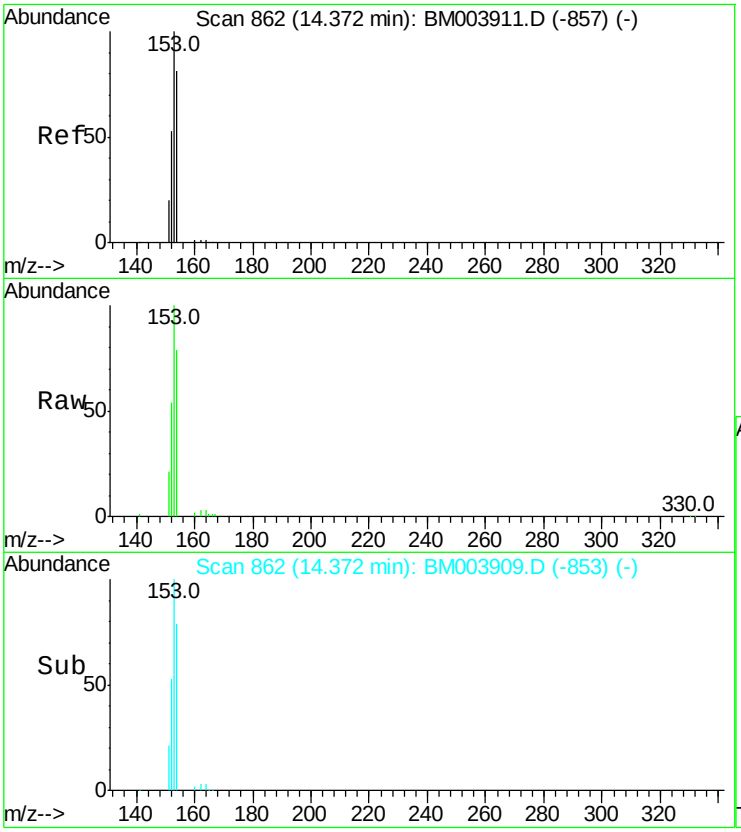


#16
Acenaphthylene
Concen: 0.48 ng
RT: 14.04 min Scan# 847
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Tgt Ion:152 Resp: 20933

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.8	23.8
153	13.0	10.2	15.4



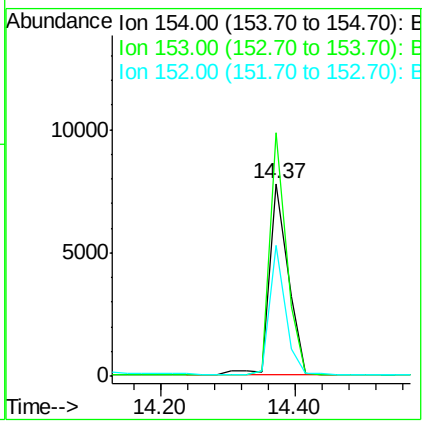


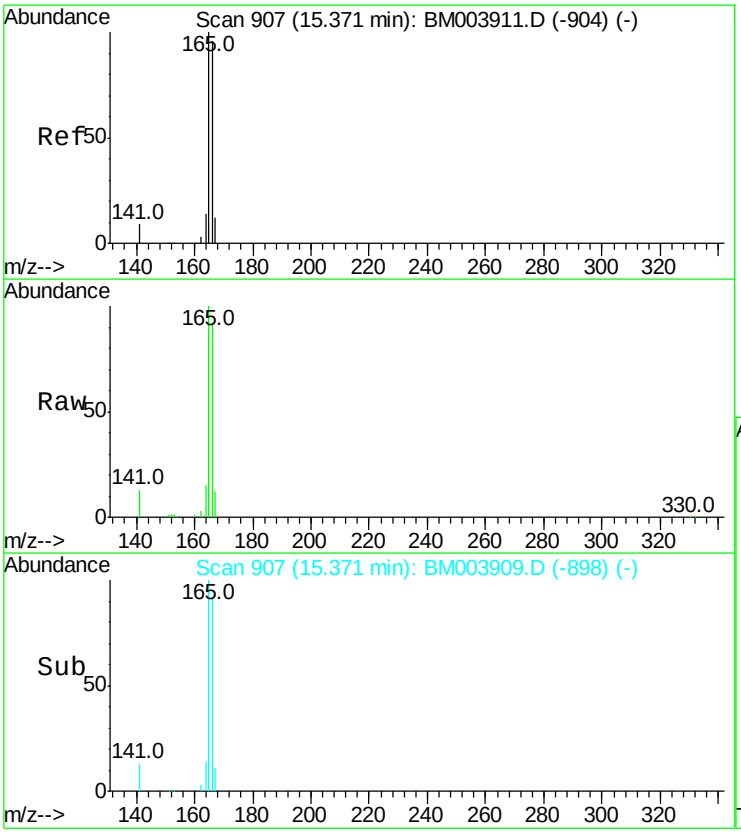
#17
Acenaphthene
Concen: 0.48 ng
RT: 14.37 min Scan# 862
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:154 Resp: 15342

Ion	Ratio	Lower	Upper
154	100		
153	112.2	85.4	128.2
152	55.8	40.6	60.8

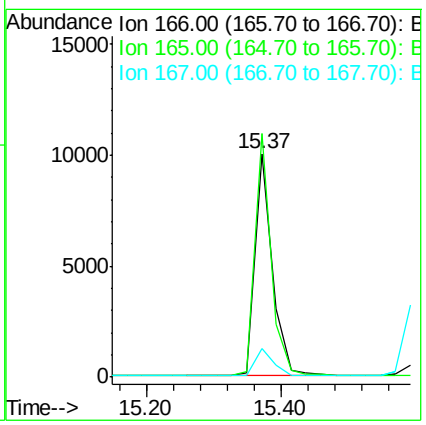


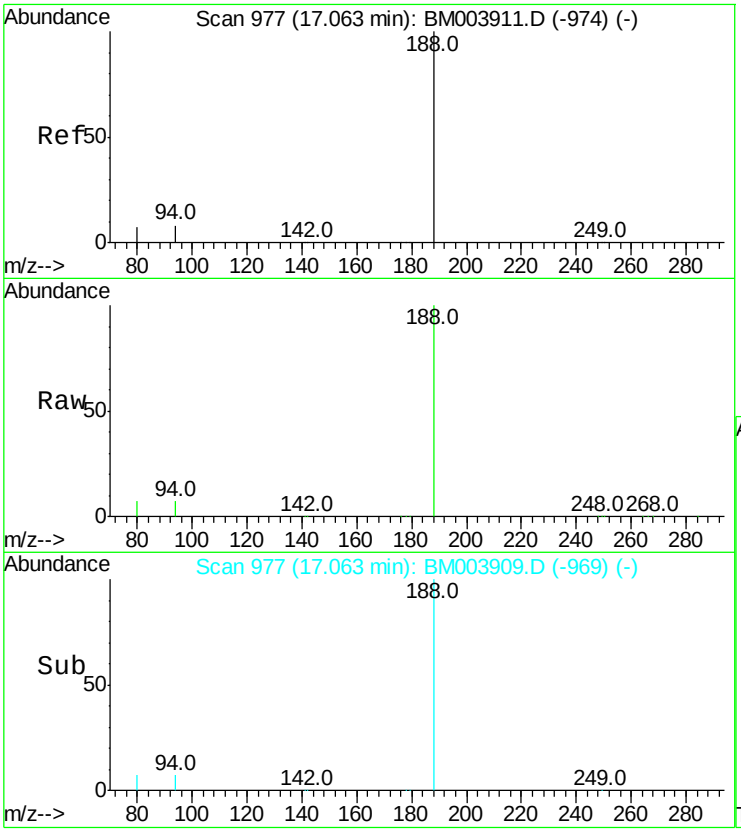


#18
Fluorene
Concen: 0.48 ng
RT: 15.37 min Scan# 907
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Tgt Ion:166 Resp: 18171

Ion	Ratio	Lower	Upper
166	100		
165	101.8	77.2	115.8
167	13.3	11.0	16.6



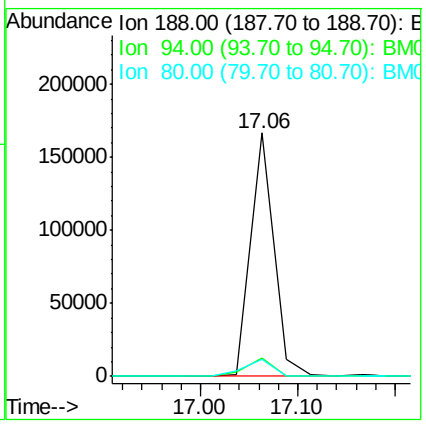


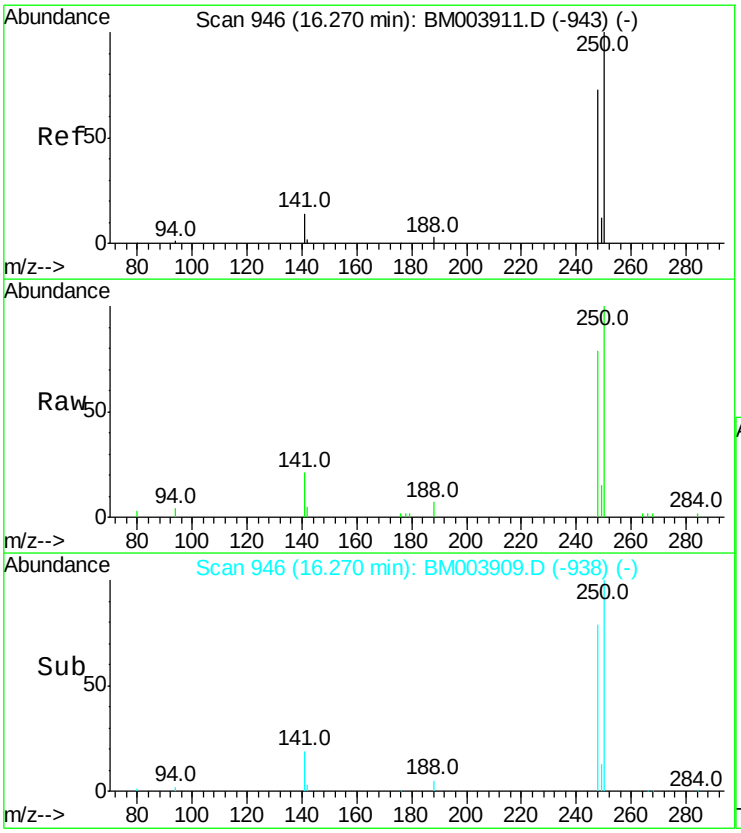
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 977
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:188 Resp: 277978

Ion	Ratio	Lower	Upper
188	100		
94	7.4	20.3	30.5#
80	6.8	22.2	33.4#

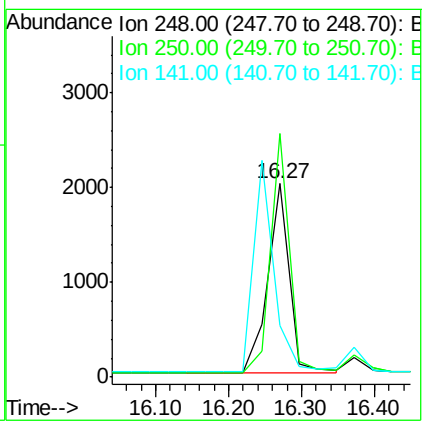


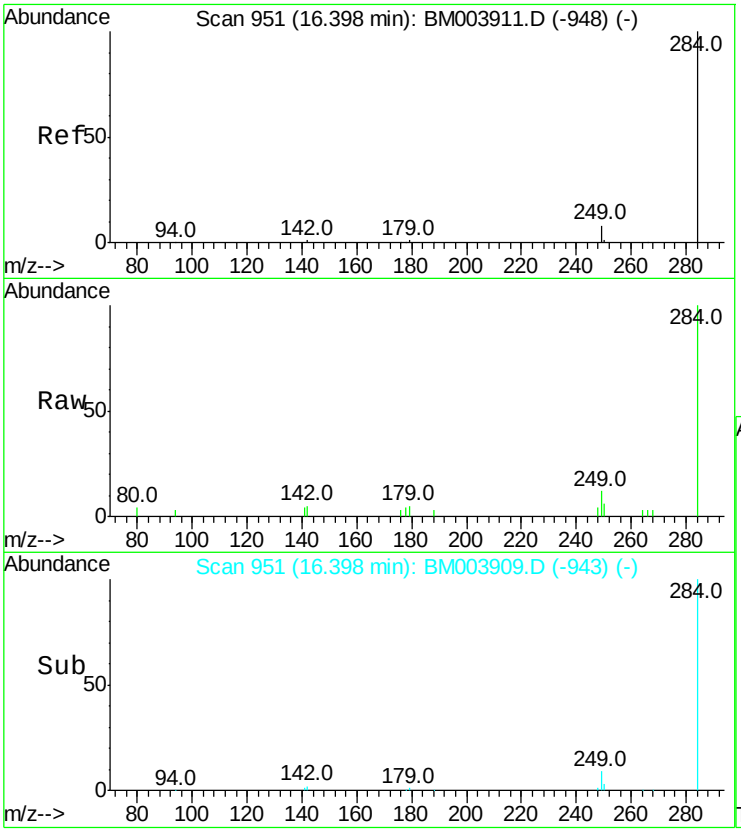


#20
4-Bromophenyl-phenylether
Concen: 0.46 ng
RT: 16.27 min Scan# 946
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Tgt Ion:248 Resp: 4062

Ion	Ratio	Lower	Upper
248	100		
250	109.9	75.0	112.4
141	0.0	53.0	79.4#



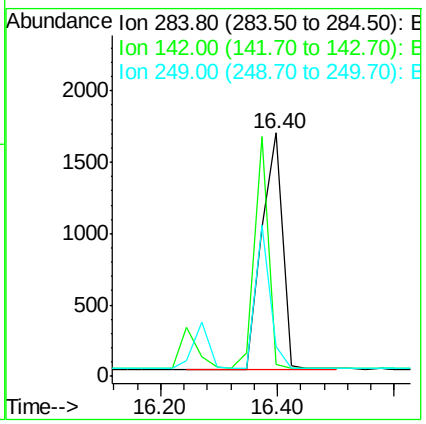


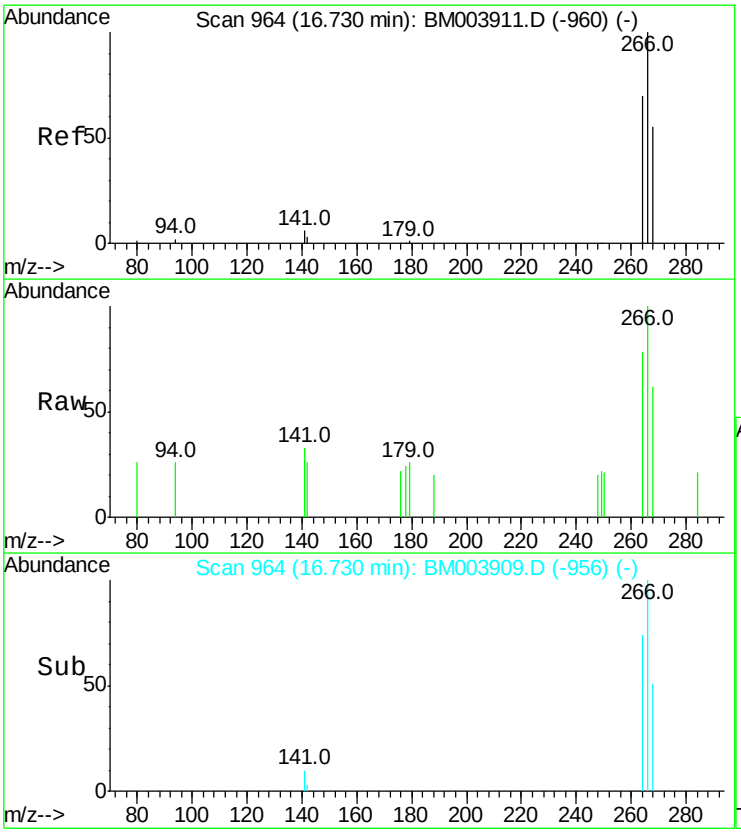
#21
Hexachlorobenzene
Concen: 0.44 ng
RT: 16.40 min Scan# 951
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:284 Resp: 4147

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

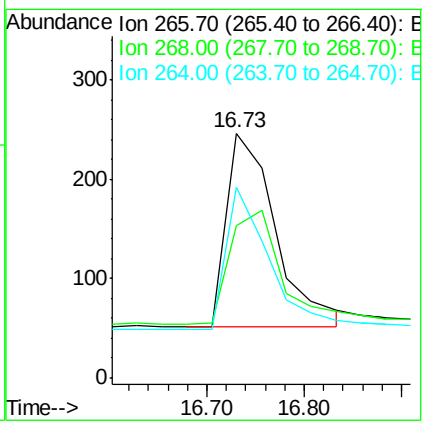


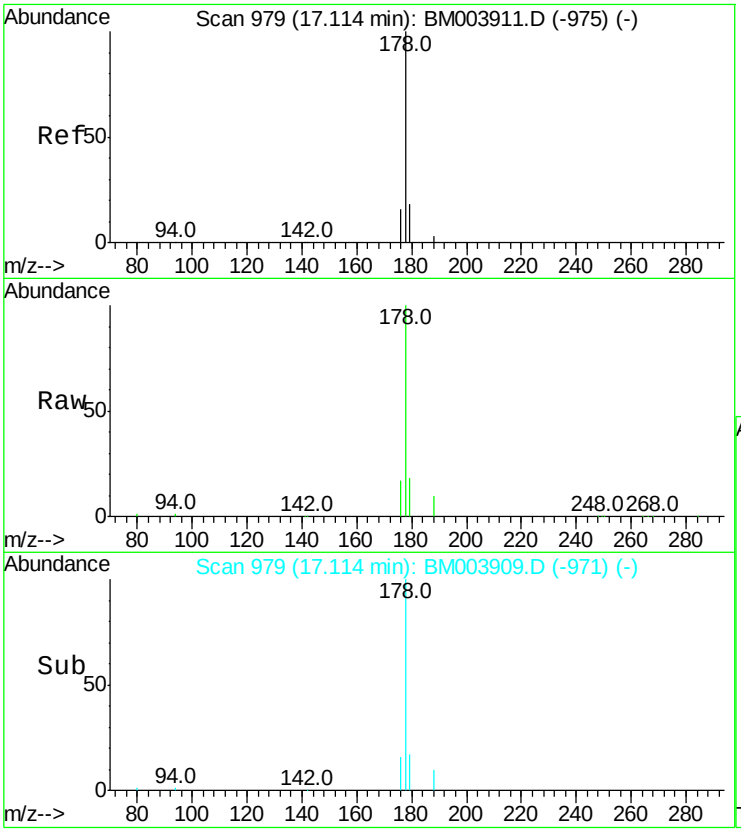


#22
Pentachlorophenol
Concen: 0.37 ng
RT: 16.73 min Scan# 964
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Tgt Ion:266 Resp: 685

Ion	Ratio	Lower	Upper
266	100		
268	62.2	62.7	94.1#
264	78.0	45.7	68.5#



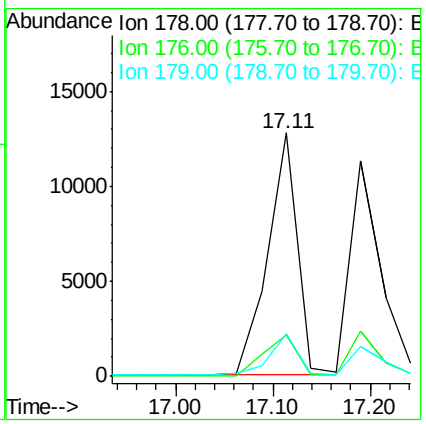


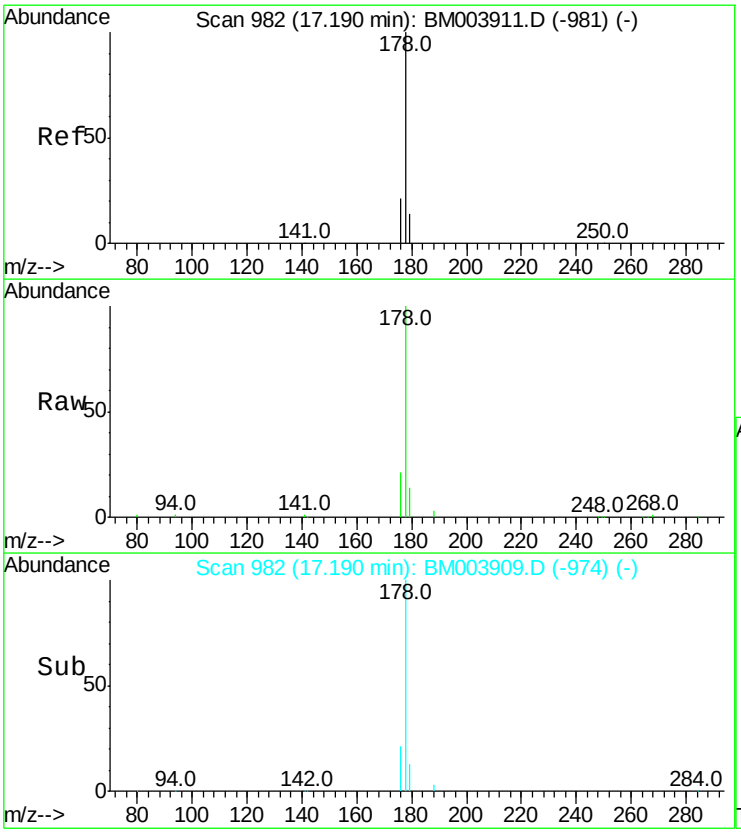
#23
Phenanthrene
Concen: 0.45 ng
RT: 17.11 min Scan# 979
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:178 Resp: 27246

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	16.5	12.2	18.4

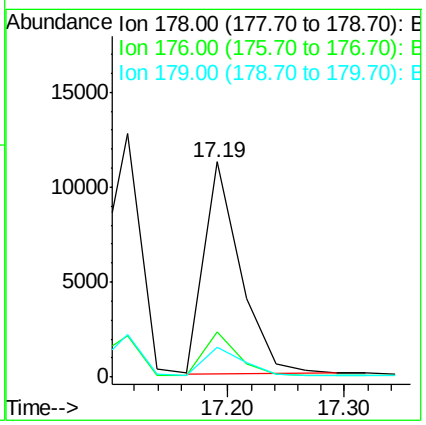


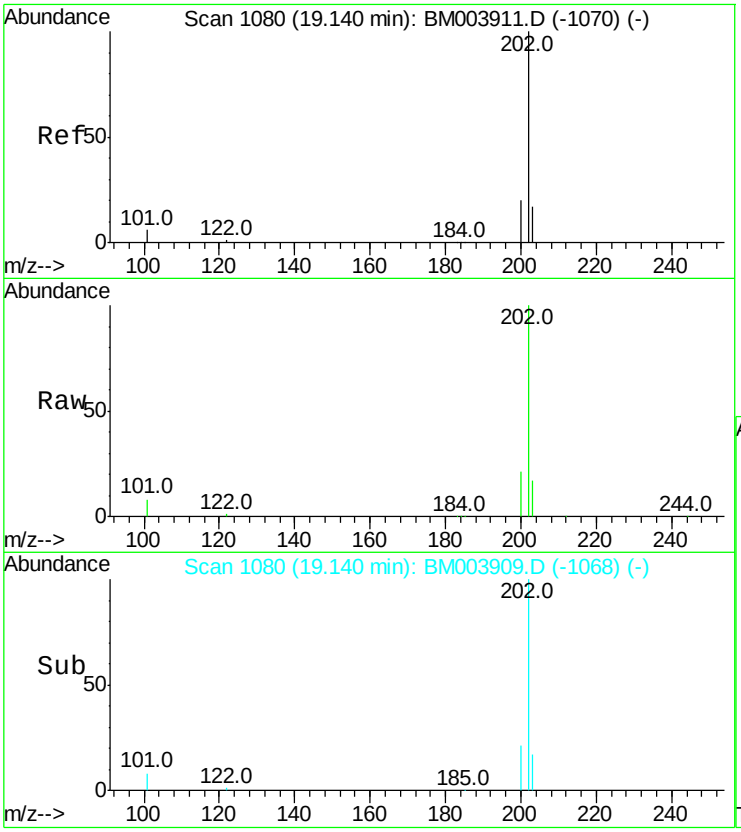


#24
Anthracene
Concen: 0.44 ng
RT: 17.19 min Scan# 982
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Tgt Ion:178 Resp: 24363

Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.6	21.8
179	14.5	12.6	19.0



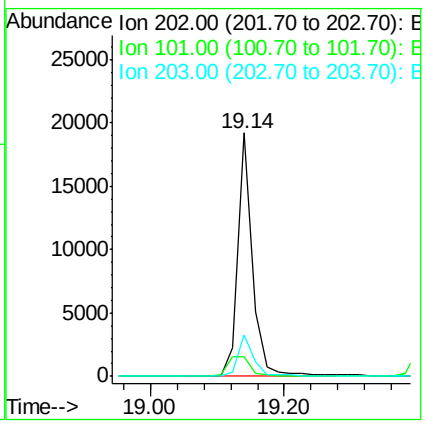


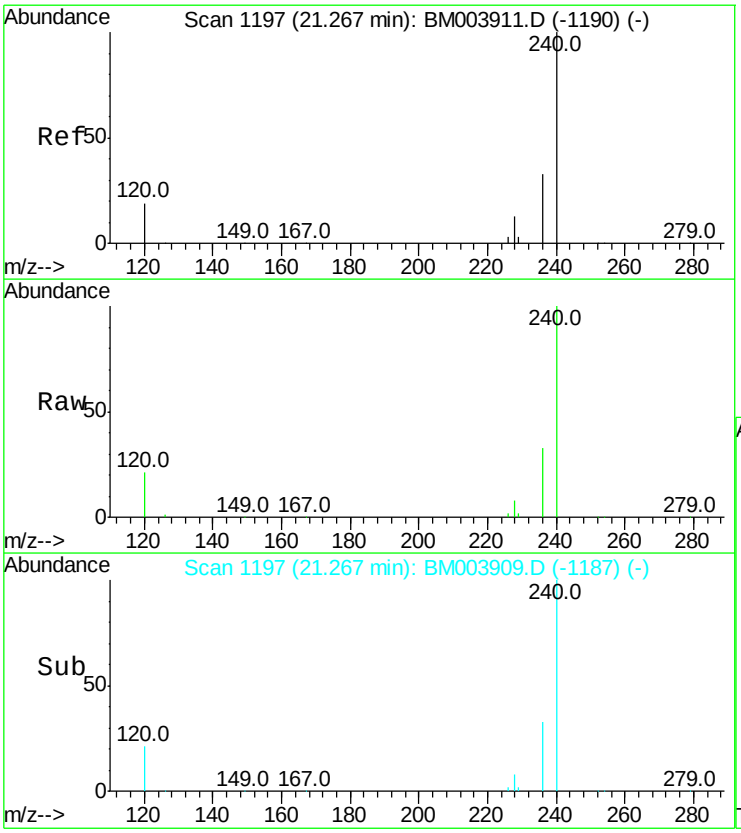
#25
Fluoranthene
Concen: 0.46 ng
RT: 19.14 min Scan# 1080
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:202 Resp: 28705

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.7	14.5
203	17.3	13.8	20.8

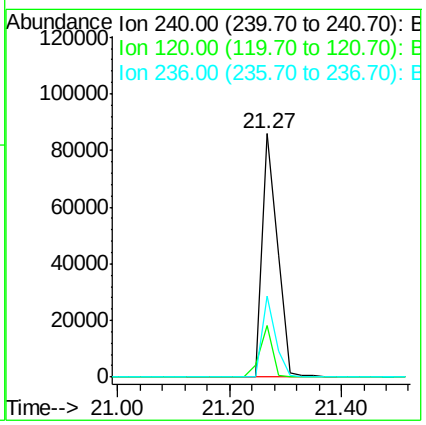


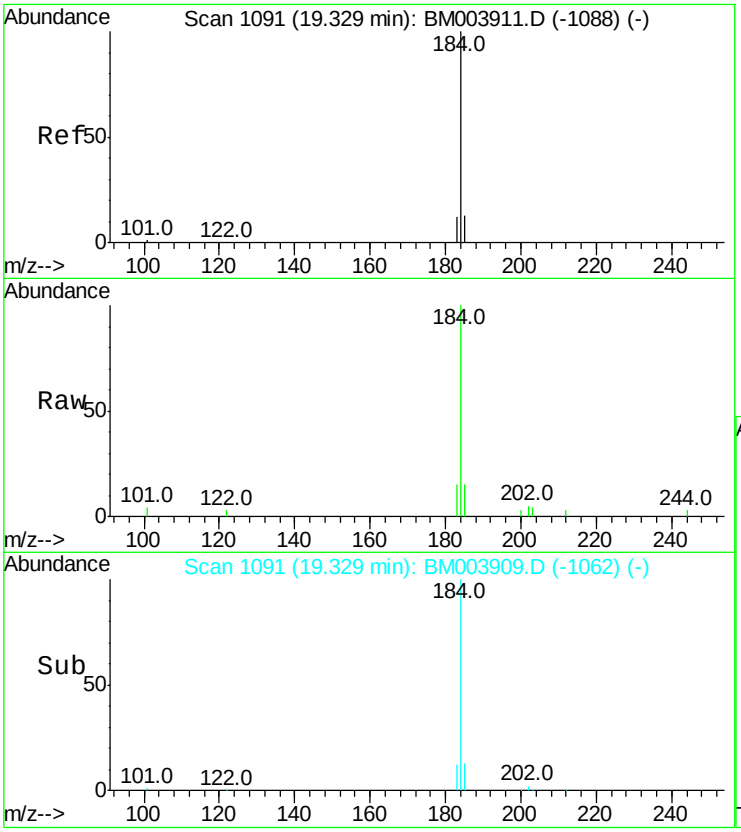


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.27 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Tgt Ion:240 Resp: 162739

Ion	Ratio	Lower	Upper
240	100		
120	21.2	0.9	1.3#
236	33.3	17.3	25.9#



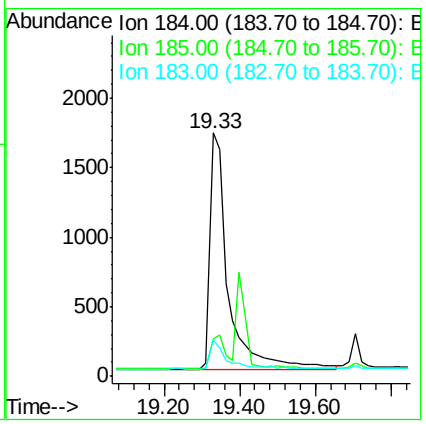


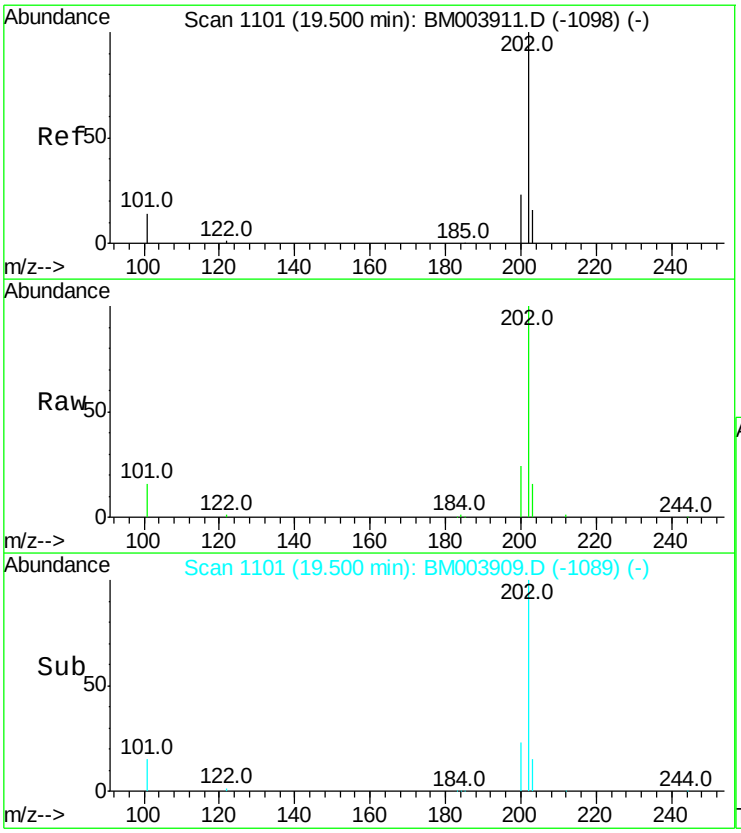
#27
Benzidine
Concen: 0.53 ng
RT: 19.33 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:184 Resp: 5591

Ion	Ratio	Lower	Upper
184	100		
185	15.3	13.2	19.8
183	15.1	9.0	13.6#

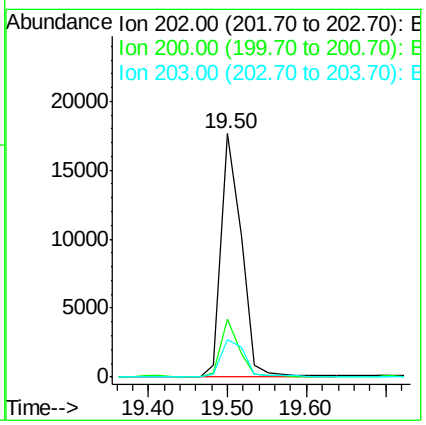


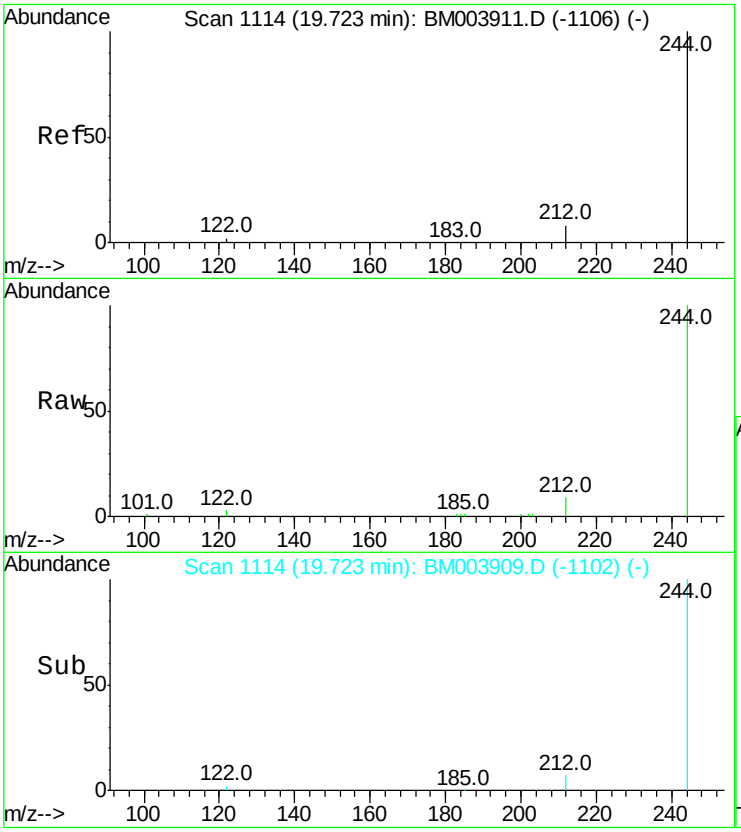


#28
Pyrene
Concen: 0.53 ng
RT: 19.50 min Scan# 1101
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Tgt Ion:202 Resp: 30775

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	24.8
203	17.3	14.0	21.0



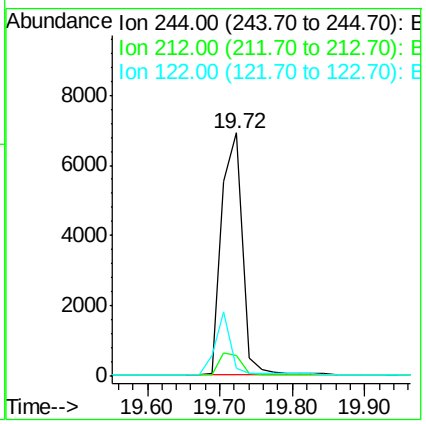


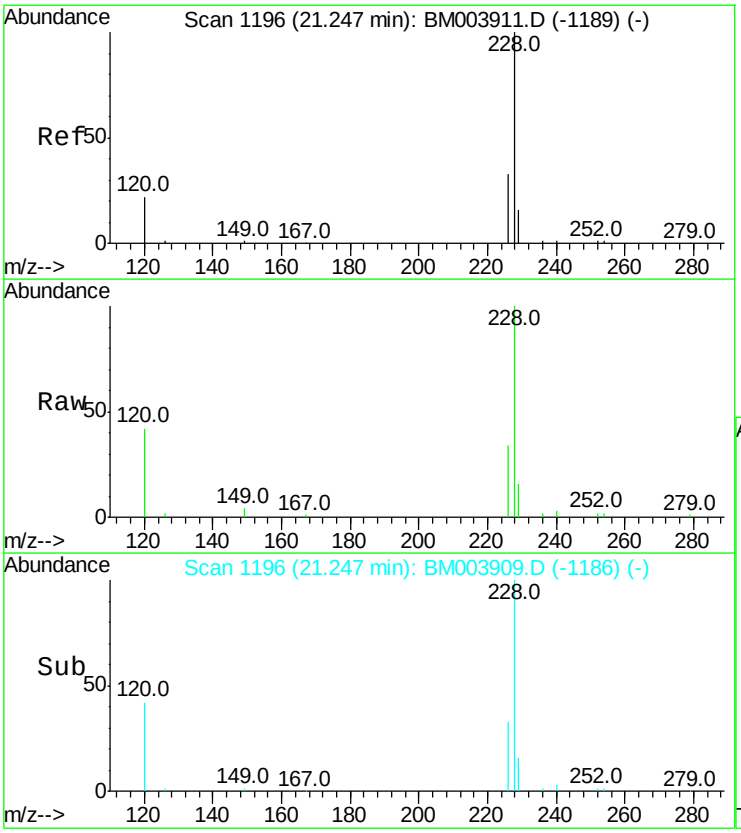
#29
Terphenyl-d14
Concen: 0.52 ng
RT: 19.72 min Scan# 1114
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:244 Resp: 13658

Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.0	10.6
122	3.1	3.0	4.6

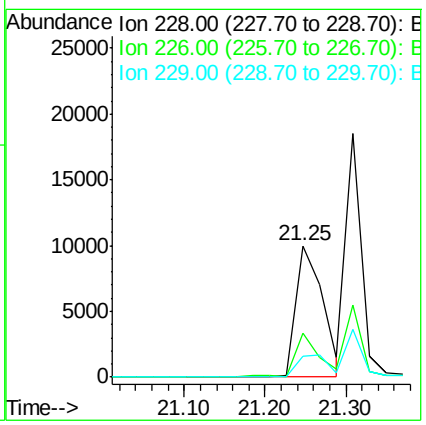


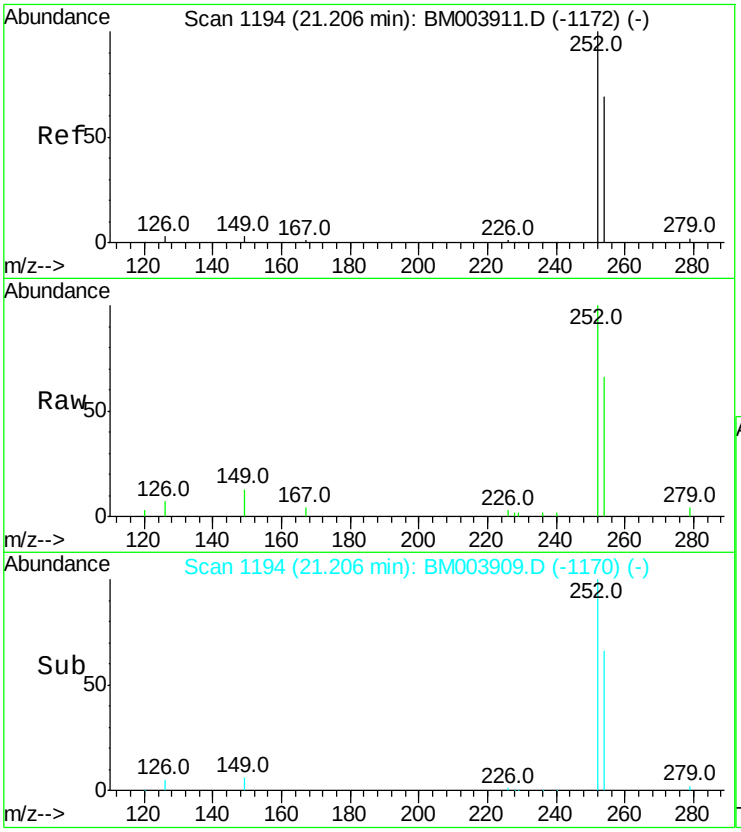


#30
Benzo(a)anthracene
Concen: 0.49 ng
RT: 21.25 min Scan# 1196
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Tgt Ion:228 Resp: 22705

Ion	Ratio	Lower	Upper
228	100		
226	33.6	17.2	25.8#
229	16.0	18.7	28.1#



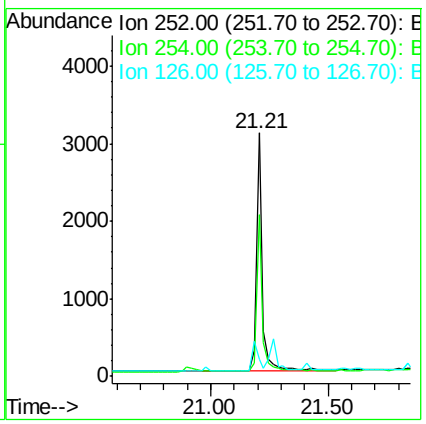


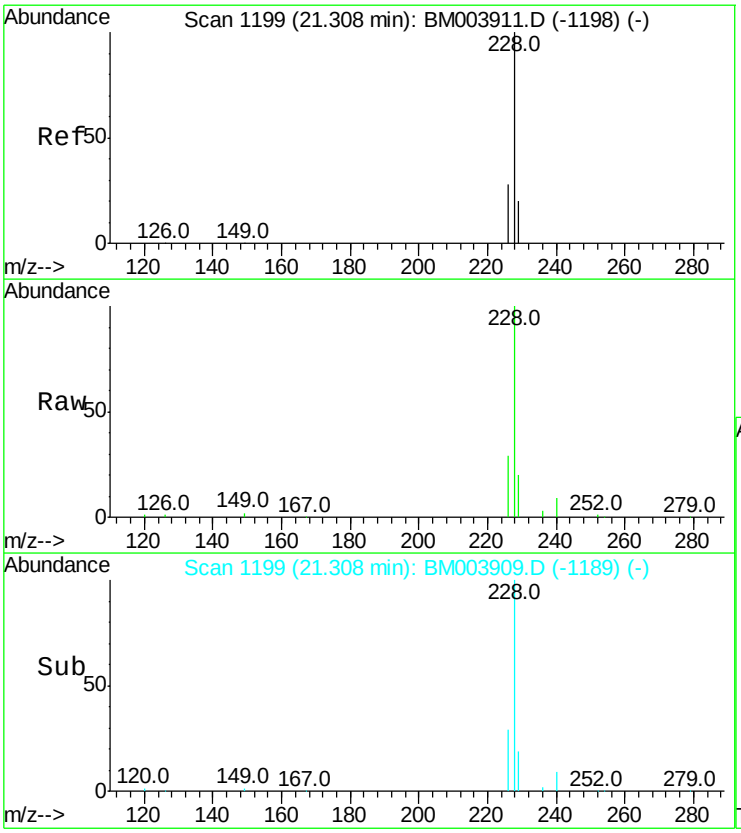
#31
3,3'-Dichlorobenzidine
Concen: 0.51 ng
RT: 21.21 min Scan# 1194
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:252 Resp: 5524

Ion	Ratio	Lower	Upper
252	100		
254	66.3	52.6	79.0
126	7.2	3.7	5.5#

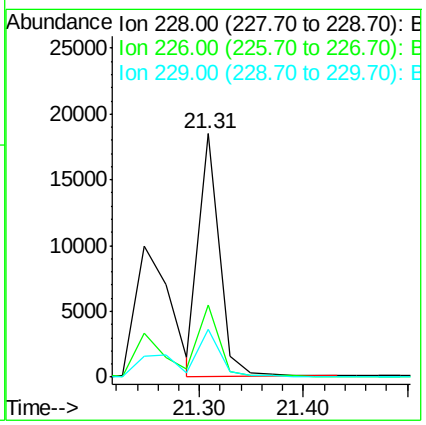


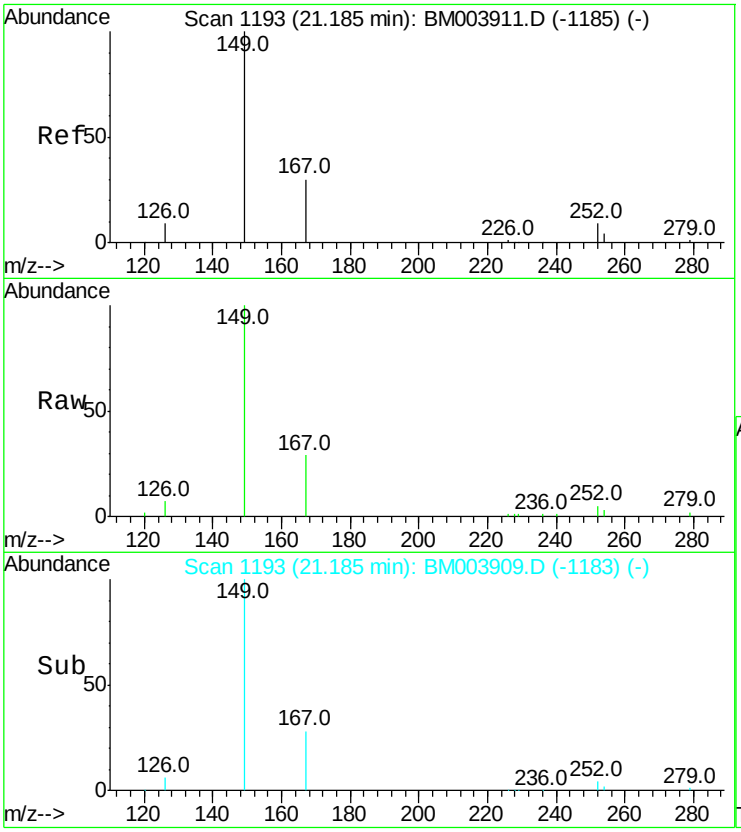


#32
Chrysene
Concen: 0.52 ng
RT: 21.31 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Tgt Ion:228 Resp: 24980

Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.3	37.9
229	19.6	14.5	21.7



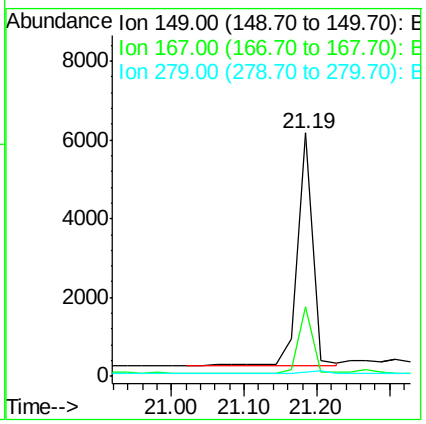


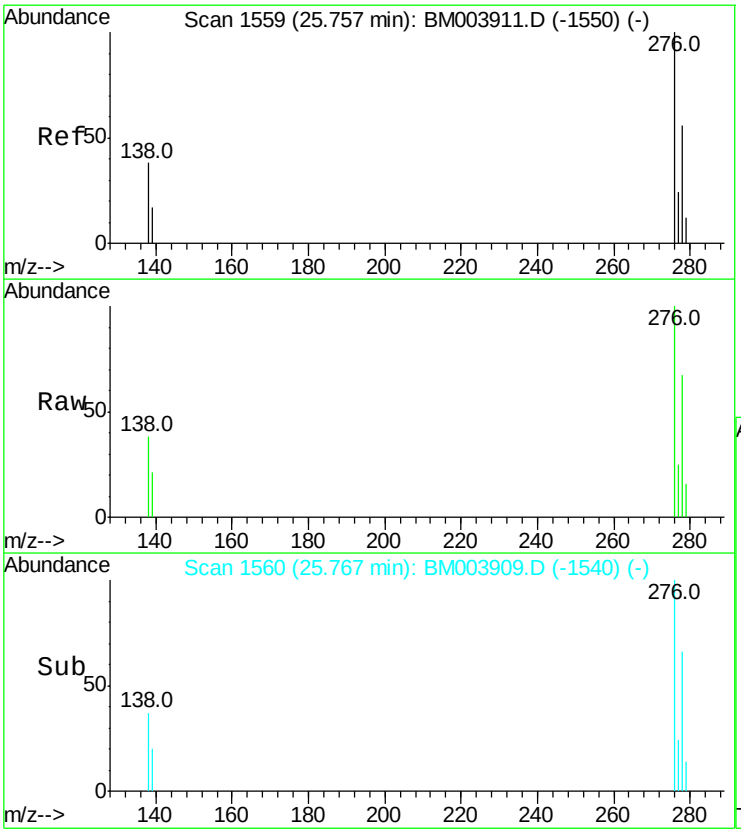
#33
Bis(2-ethylhexyl)phthalate
Concen: 0.47 ng
RT: 21.19 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:149 Resp: 8460

Ion	Ratio	Lower	Upper
149	100		
167	26.4	20.1	30.1
279	0.0	0.0	0.0

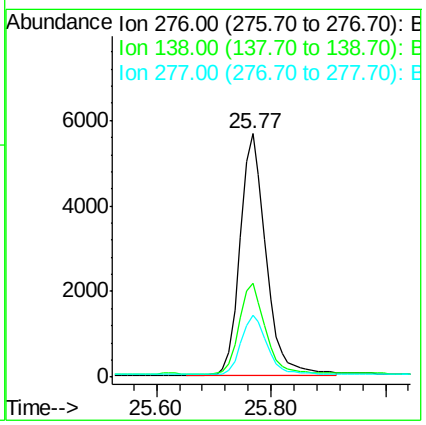


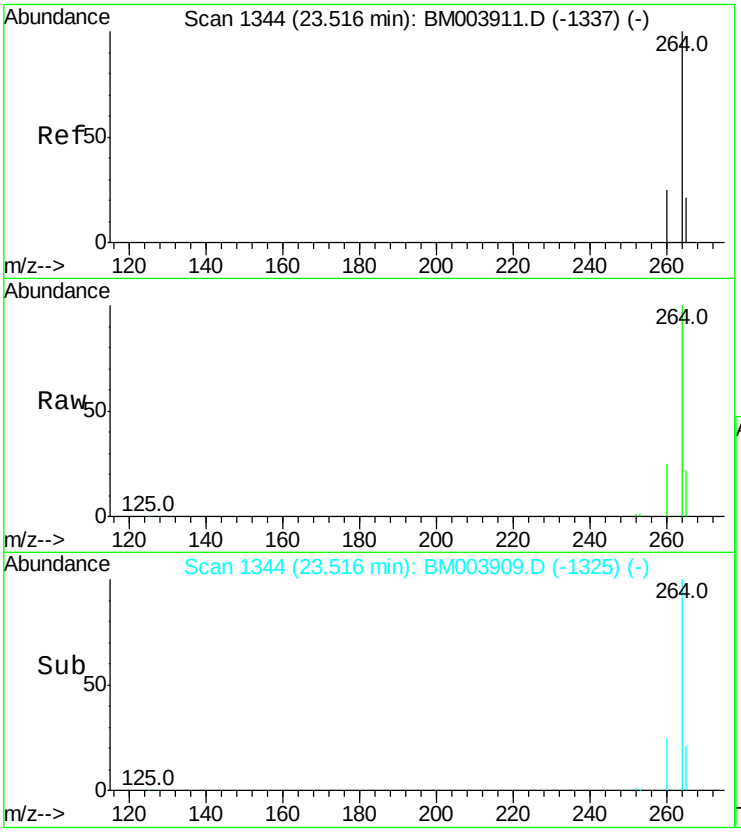


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.52 ng
RT: 25.77 min Scan# 1560
Delta R.T. 0.01 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Tgt Ion:276 Resp: 17670

Ion	Ratio	Lower	Upper
276	100		
138	38.1	30.2	45.2
277	24.7	19.8	29.8



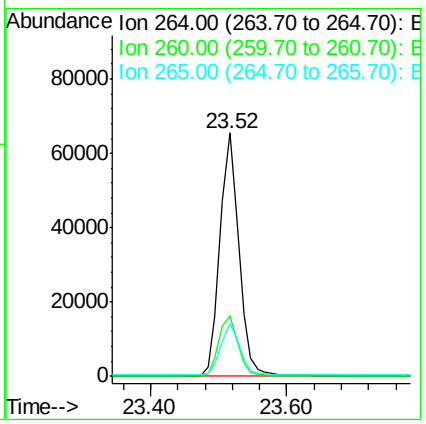


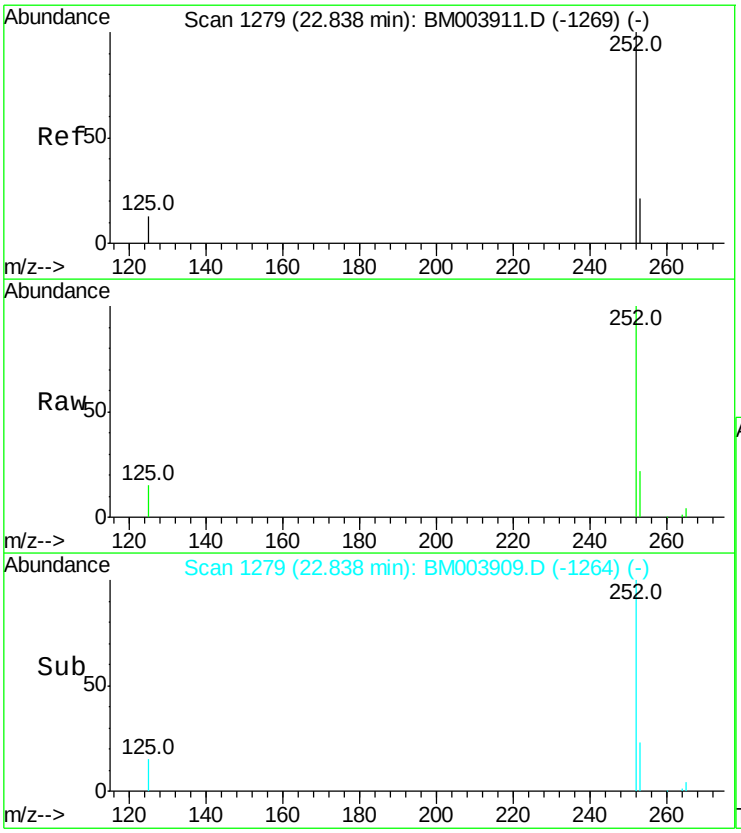
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.52 min Scan# 1344
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:264 Resp: 126872

Ion	Ratio	Lower	Upper
264	100		
260	25.1	21.2	31.8
265	21.7	16.7	25.1

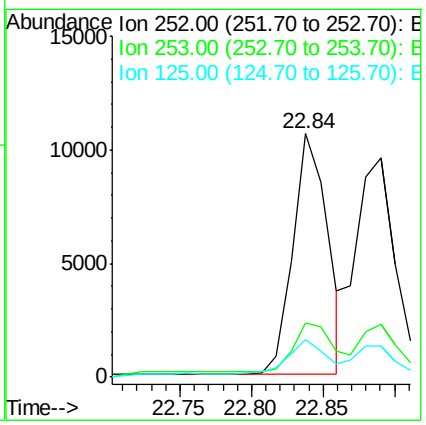


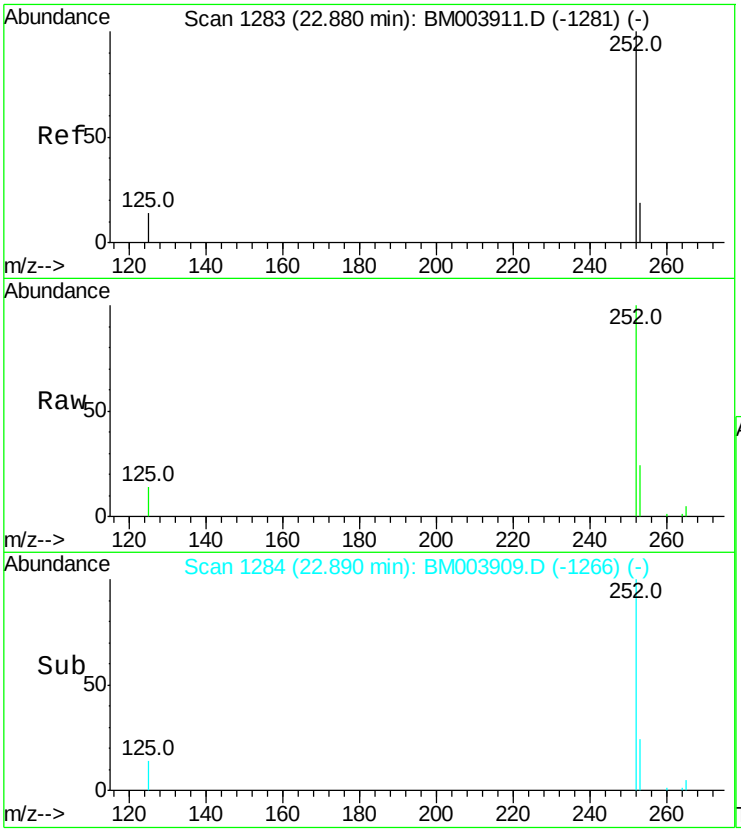


#36
Benzo(b)fluoranthene
Concen: 0.46 ng
RT: 22.84 min Scan# 1279
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Tgt Ion:252 Resp: 17904

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.8	28.2
125	15.2	10.2	15.4



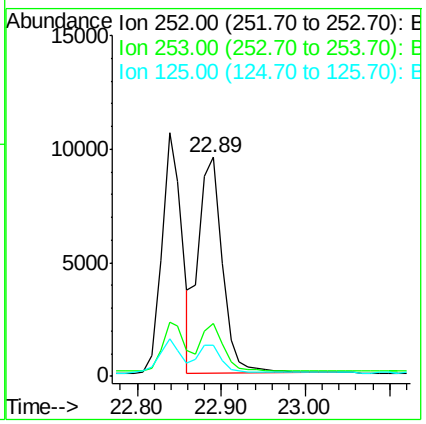


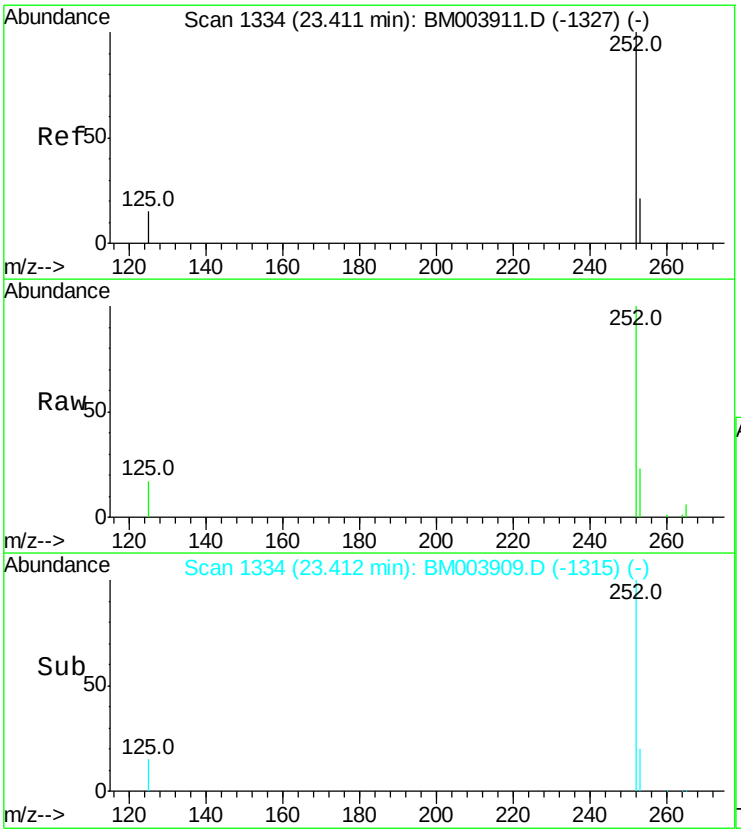
#37
Benzo(k)fluoranthene
Concen: 0.49 ng
RT: 22.89 min Scan# 1284
Delta R.T. 0.01 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:252 Resp: 18633

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.3	27.5
125	14.0	10.6	15.8

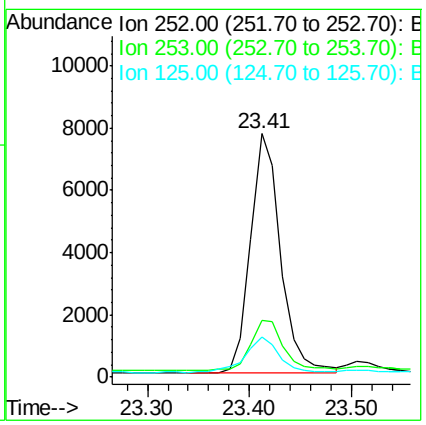


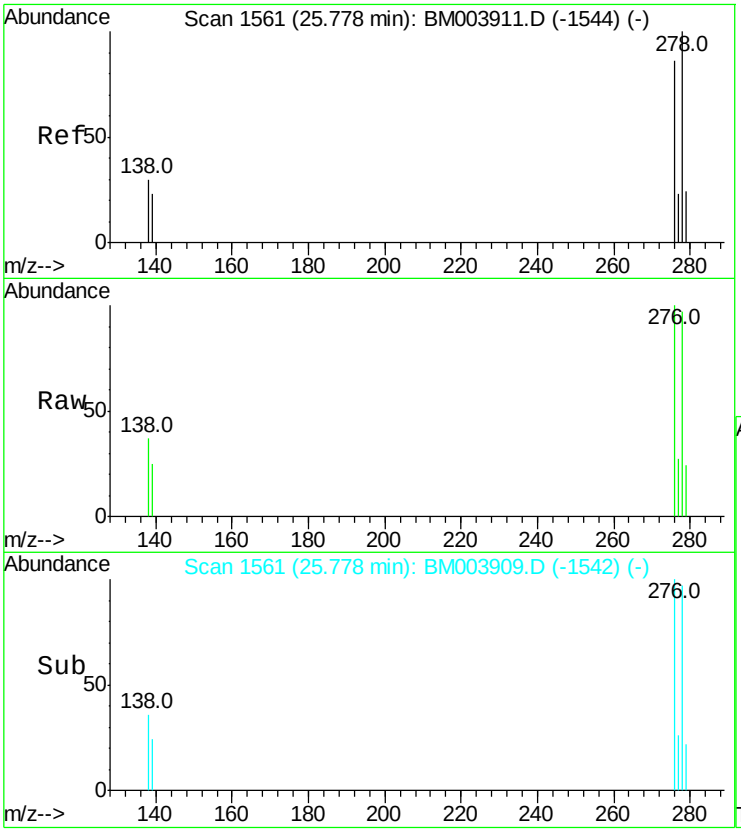


#38
Benzo(a)pyrene
Concen: 0.48 ng
RT: 23.41 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Tgt Ion:252 Resp: 15781

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.7	28.1
125	16.7	11.8	17.8



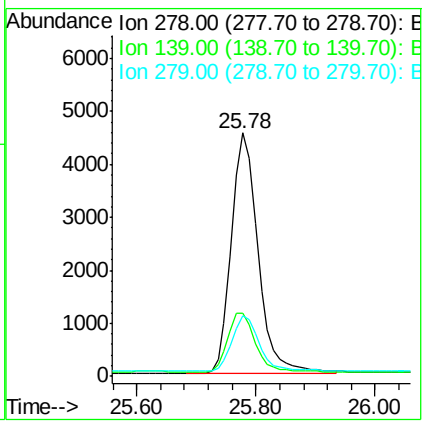


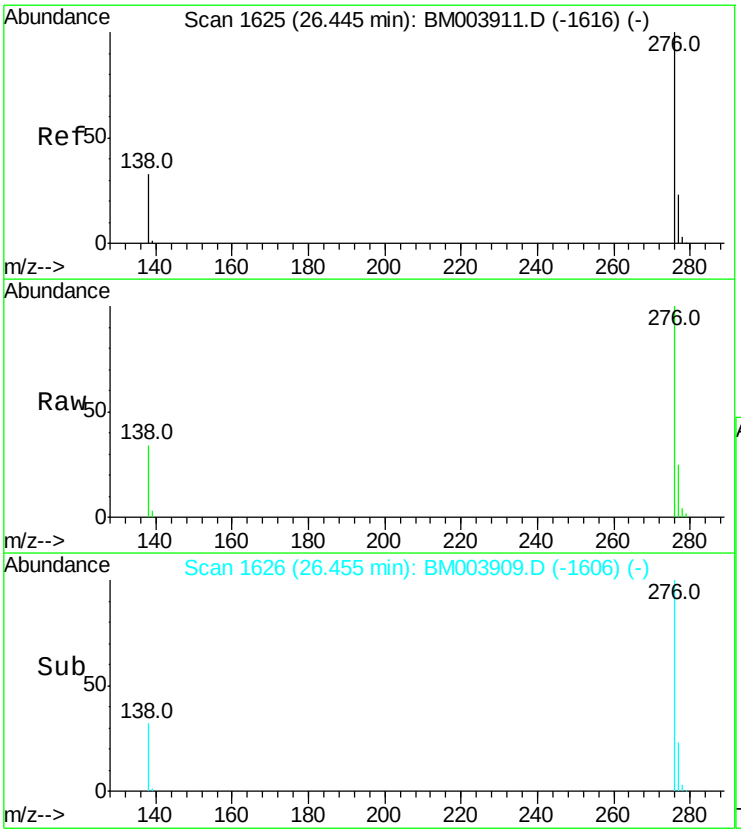
#39
Dibenzo(a,h)anthracene
Concen: 0.50 ng
RT: 25.78 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:278 Resp: 14141

Ion	Ratio	Lower	Upper
278	100		
139	26.0	19.0	28.6
279	24.9	19.6	29.4





#40
Benzo(g,h,i)perylene
Concen: 0.50 ng
RT: 26.46 min Scan# 1626
Delta R.T. 0.01 min
Lab File: BM003909.D
Acq: 31 Dec 2015 11:57

Tgt Ion:276 Resp: 15157

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.1	28.7
138	33.6	25.0	37.4