Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012216\
Data File : BM004104.D
Acq On : 21 Jan 2016 18:05
Operator : SJ/UM
Sample : PB87902BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SSTDICC0.5

Quant Time: Jan 22 01:20:24 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	24686	5.00	ng		0.00
7) Naphthalene-d8	10.44	136	113032	5.00	ng		-0.02
13) Acenaphthene-d10	14.31	164	65534	5.00	ng		-0.02
19) Phenanthrene-d10	17.06	188	177475	5.00	ng		0.00
26) Chrysene-d12	21.27	240	187722	5.00	ng		0.00
35) Perylene-d12	23.51	264	172020	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.25	112	34119	6.75	ng		-0.02
5) Phenol-d6	6.85	99	44249	7.15	ng		0.00
8) Nitrobenzene-d5	8.83	82	18990	3.42	ng		-0.01
14) 2,4,6-Tribromophenol	15.82	330	14411	7.34	ng		0.00
15) 2-Fluorobiphenyl	12.93	172	69276	3.28	ng		-0.01
29) Terphenyl-d14	19.71	244	75487	2.48	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.17	88	7370	3.54	ng		95
3) n-Nitrosodimethylamine	3.48	42	8102	3.17	ng		93
6) bis(2-Chloroethyl)ether	7.09	93	20135	3.56	ng		99
9) Nitrobenzene	8.87	77	20354	3.39	ng		98
10) Naphthalene	10.49	128	81482	3.29	ng		98
11) Hexachlorobutadiene	10.79	225	12202	3.23	ng		99
12) 2-Methylnaphthalene	12.12	142	58572	3.50	ng		98
16) Acenaphthylene	14.02	152	97249	3.56	ng		100
17) Acenaphthene	14.37	154	65441	3.43	ng		99
18) Fluorene	15.37	166	80578	3.54	ng		98
20) 4-Bromophenyl-phenylether	16.24	248	18903	3.45	ng	#	69
21) Hexachlorobenzene	16.37	284	19546	3.35	ng	#	64
22) Pentachlorophenol	16.73	266	15738	6.47	ng		89
23) Phenanthrene	17.09	178	118095	3.62	ng		98
24) Anthracene	17.19	178	142729	4.00	ng		99
25) Fluoranthene	19.14	202	154831	3.92	ng		100
27) Benzidine	19.33	184	114551	5.15	ng		97
28) Pyrene	19.50	202	171854	2.55	ng		99
30) Benzo(a)anthracene	21.25	228	216501	4.06	ng	#	87
31) 3,3'-Dichlorobenzidine	21.19	252	48978	3.02	ng	#	78
32) Chrysene	21.25	228	216482	3.91	ng		96
33) Bis(2-ethylhexyl)phthalate	21.17	149	70330	2.38	ng	#	50
34) Indeno(1,2,3-cd)pyrene	25.75	276	179734	4.53	ng		100
36) Benzo(b)fluoranthene	22.83	252	167457	3.19	ng		96
37) Benzo(k)fluoranthene	22.87	252	165286	3.25	ng		96
38) Benzo(a)pyrene	23.40	252	160342	3.58	ng		97
39) Dibenzo(a,h)anthracene	25.76	278	144062	3.77	ng		97
40) Benzo(g,h,i)perylene	26.44	276	151941	3.76	ng		98

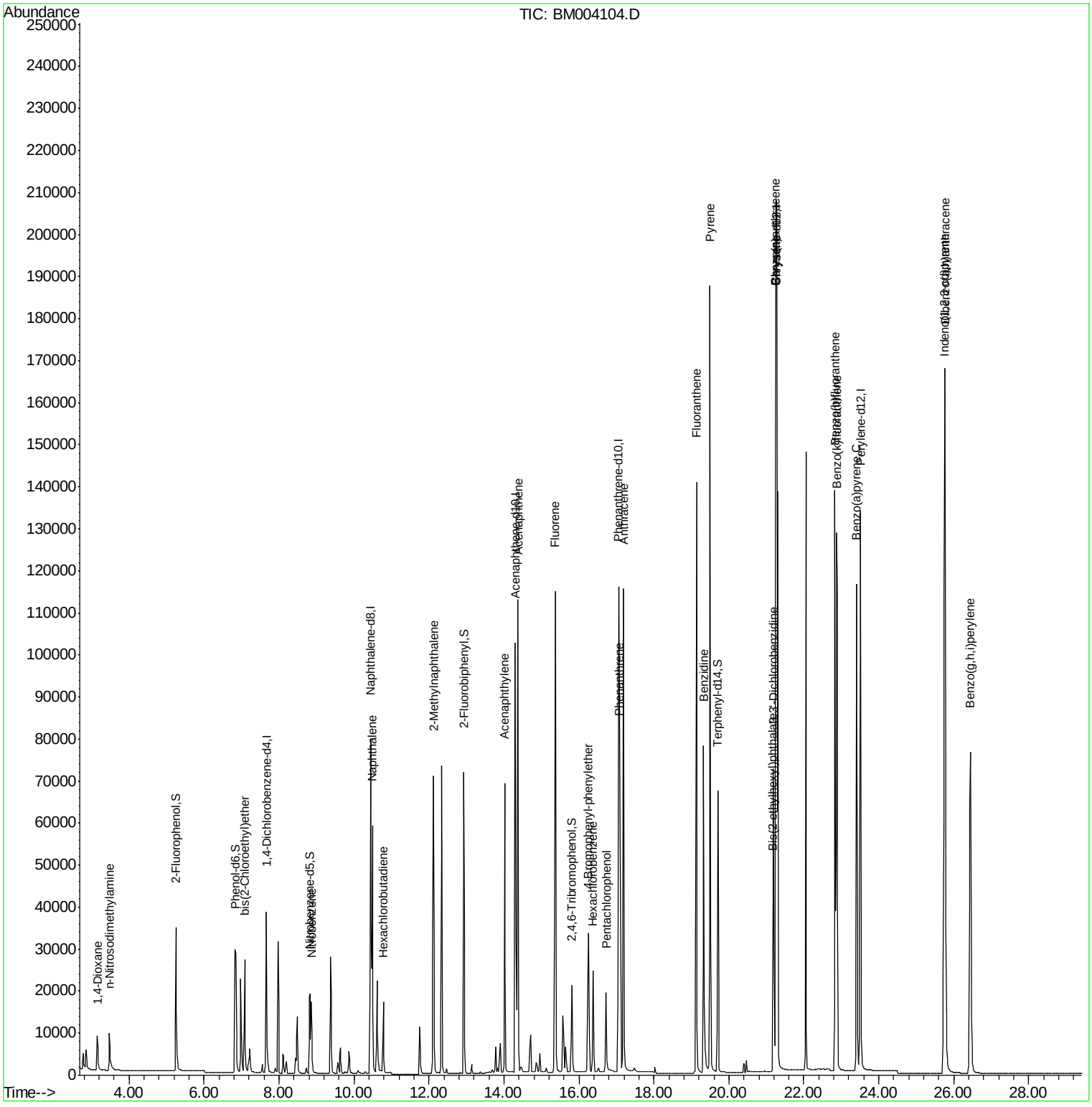
(#) = qualifier out of range (m) = manual integration (+) = signals summed

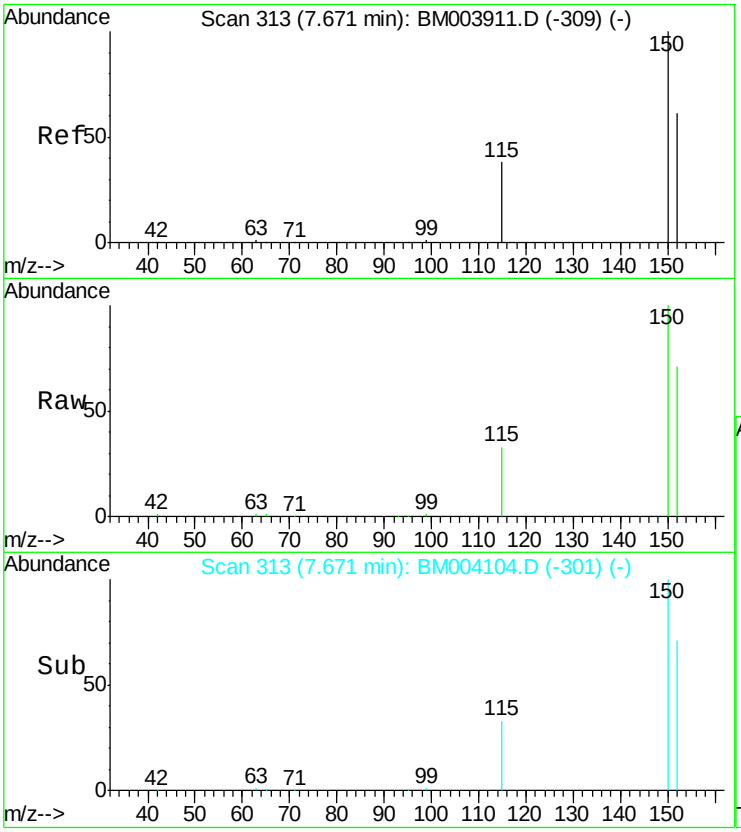
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012216\
Data File : BM004104.D
Acq On : 21 Jan 2016 18:05
Operator : SJ/UM
Sample : PB87902BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Quant Time: Jan 22 01:20:24 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



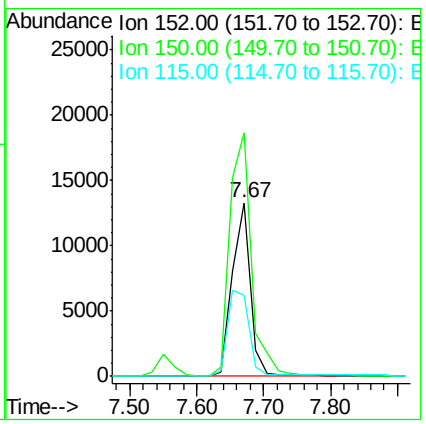


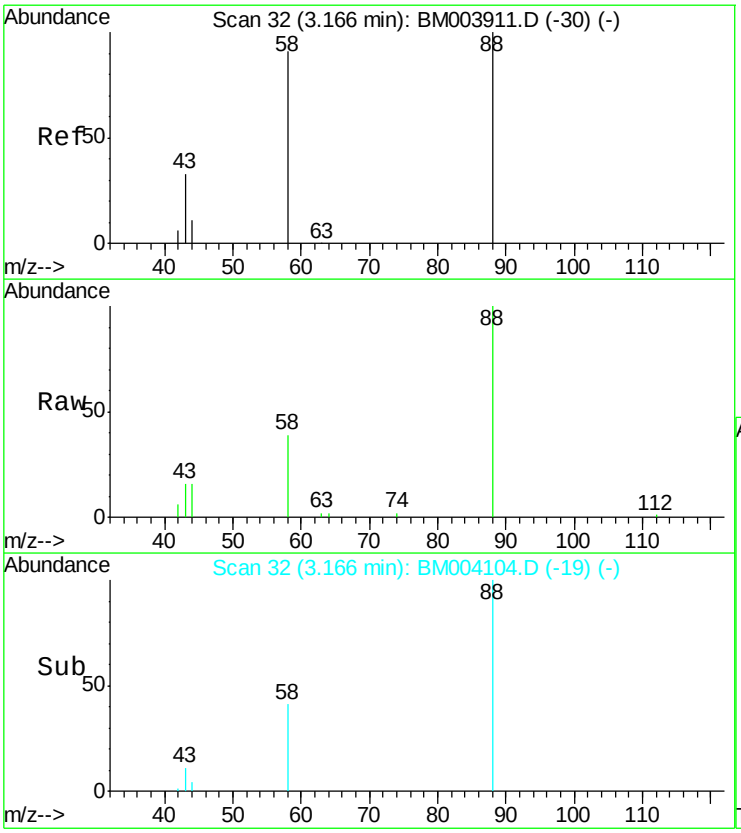
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.67 min Scan# 313
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:152 Resp: 24686

Ion	Ratio	Lower	Upper
152	100		
150	140.5	122.9	184.3
115	46.7	44.4	66.6

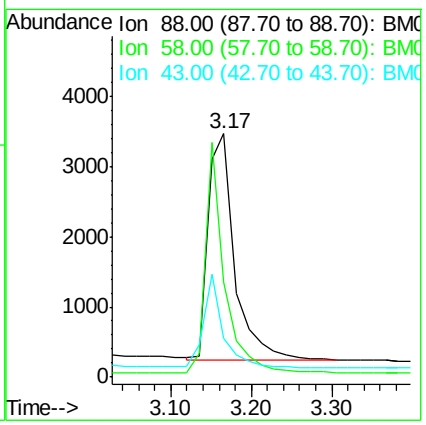


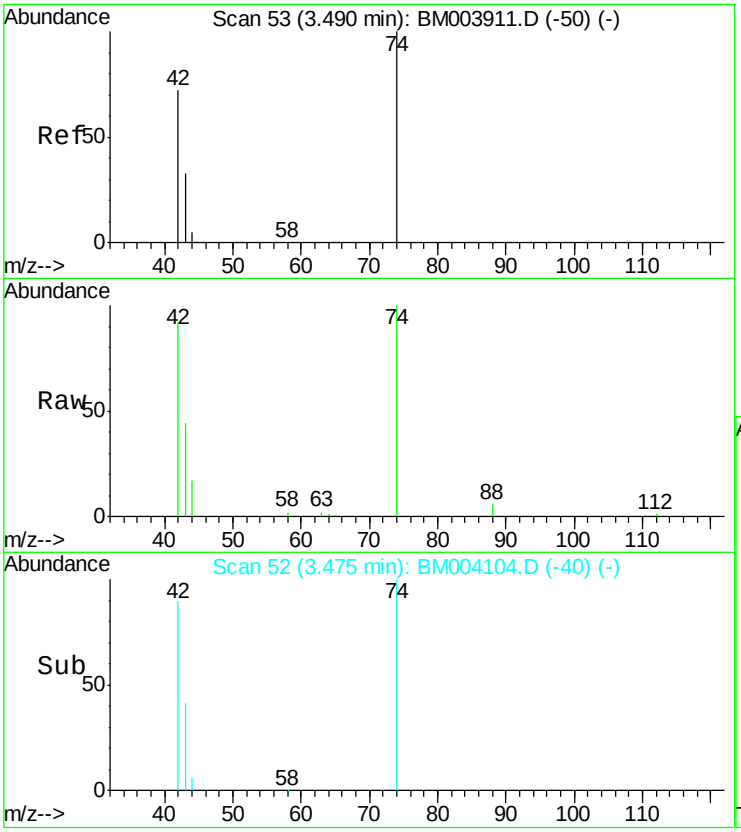


#2
1,4-Dioxane
Concen: 3.54 ng
RT: 3.17 min Scan# 32
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Tgt Ion: 88 Resp: 7370

Ion	Ratio	Lower	Upper
88	100		
58	72.4	53.8	80.6
43	30.6	23.8	35.6



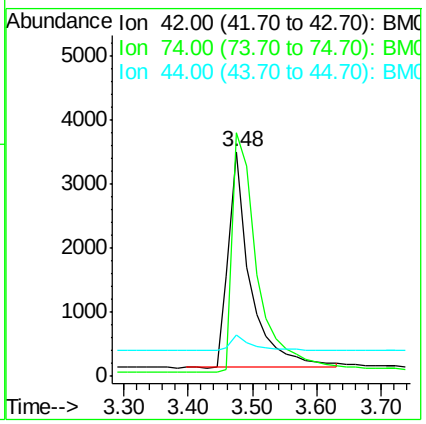


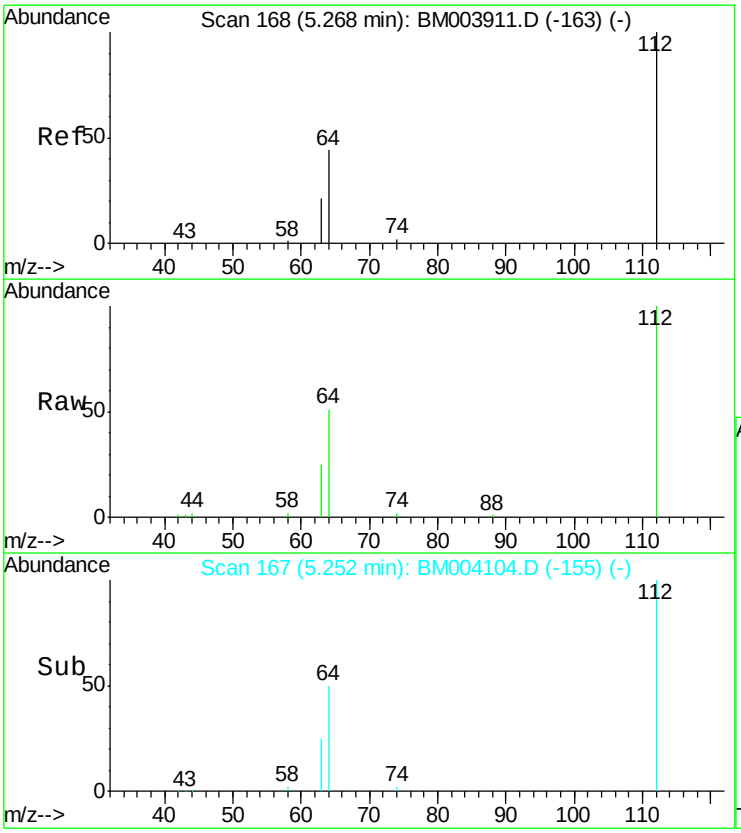
#3
n-Nitrosodimethylamine
Concen: 3.17 ng
RT: 3.48 min Scan# 52
Delta R.T. -0.02 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion: 42 Resp: 8102

Ion	Ratio	Lower	Upper
42	100		
74	126.4	95.0	142.4
44	6.6	5.1	7.7

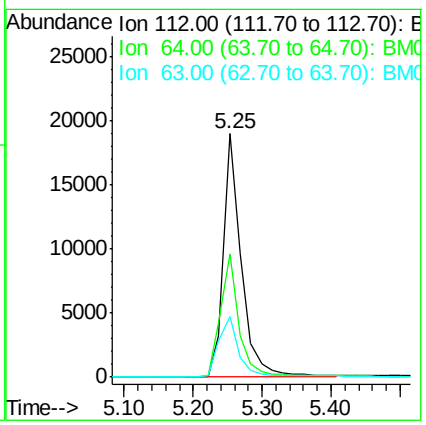


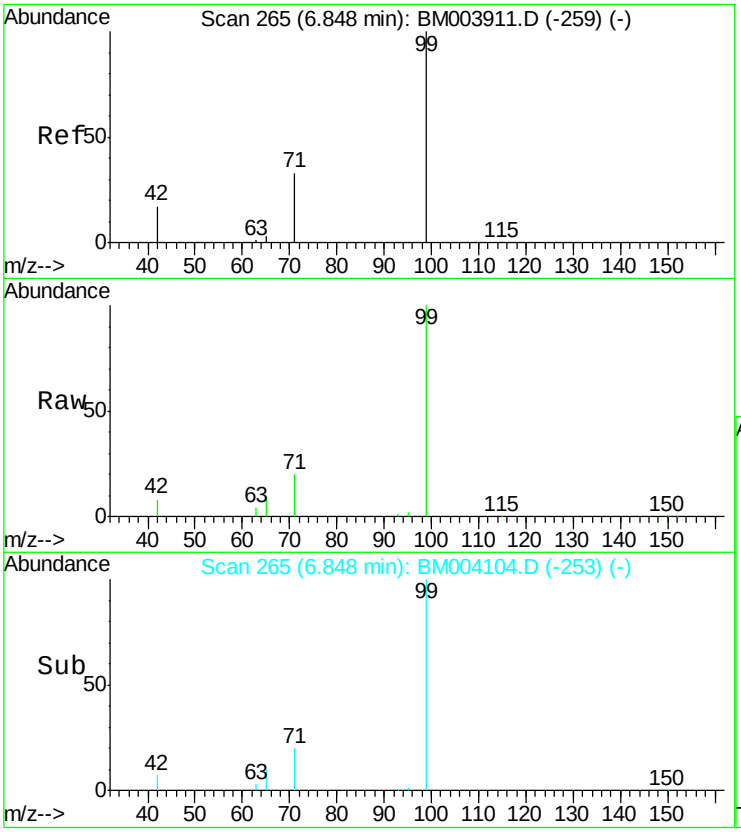


#4
2-Fluorophenol
Concen: 6.75 ng
RT: 5.25 min Scan# 167
Delta R.T. -0.02 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Tgt Ion:112 Resp: 34119

Ion	Ratio	Lower	Upper
112	100		
64	51.9	41.8	62.8
63	27.2	22.1	33.1



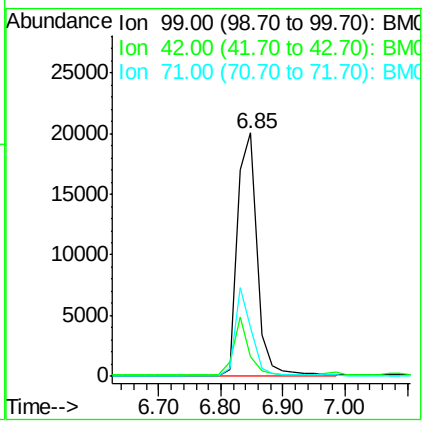


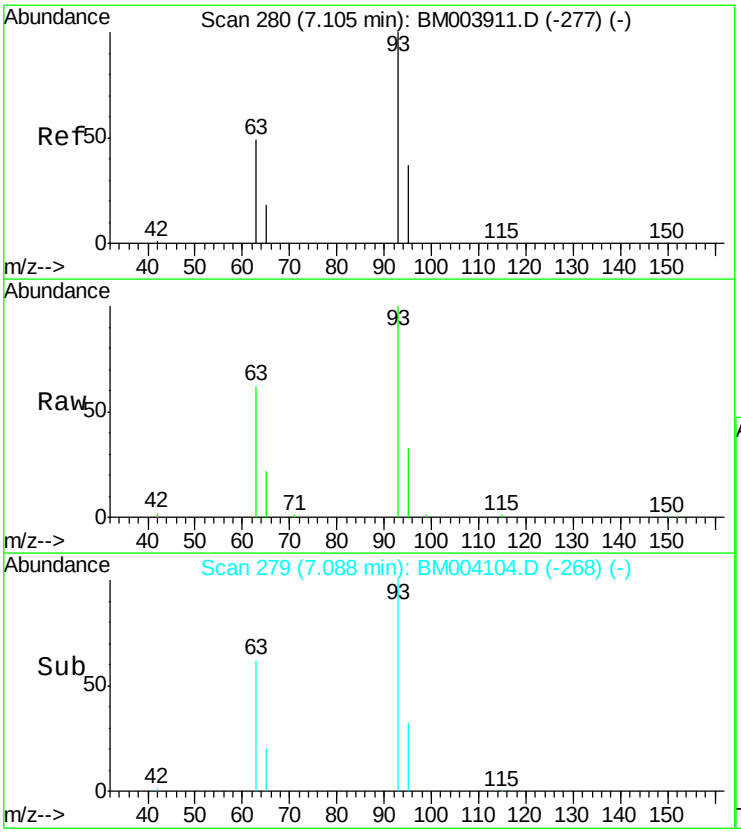
#5
Phenol-d6
Concen: 7.15 ng
RT: 6.85 min Scan# 265
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion: 99 Resp: 44249

Ion	Ratio	Lower	Upper
99	100		
42	18.7	16.2	24.2
71	30.5	24.4	36.6

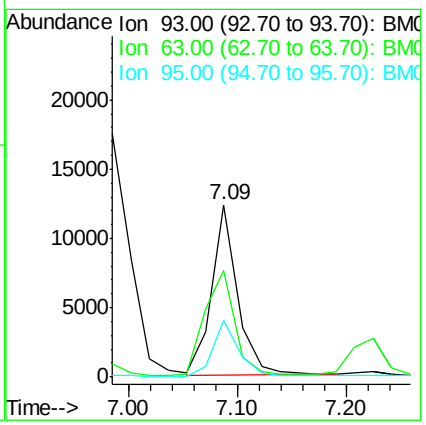


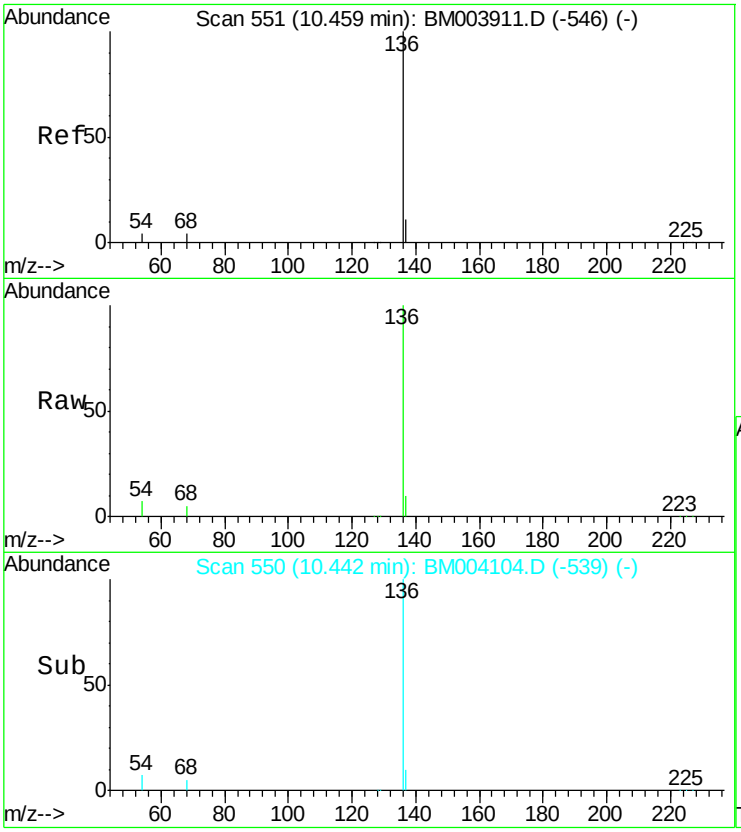


#6
bis(2-Chloroethyl)ether
Concen: 3.56 ng
RT: 7.09 min Scan# 279
Delta R.T. -0.02 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Tgt Ion: 93 Resp: 20135

Ion	Ratio	Lower	Upper
93	100		
63	73.8	58.3	87.5
95	33.0	25.8	38.8



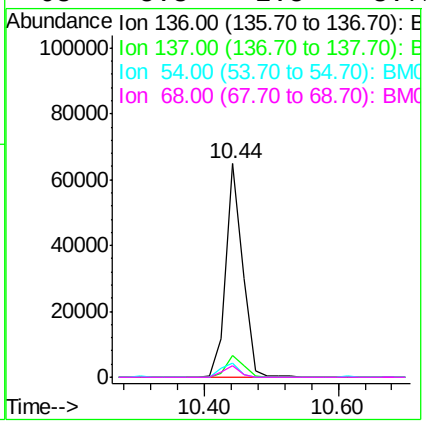


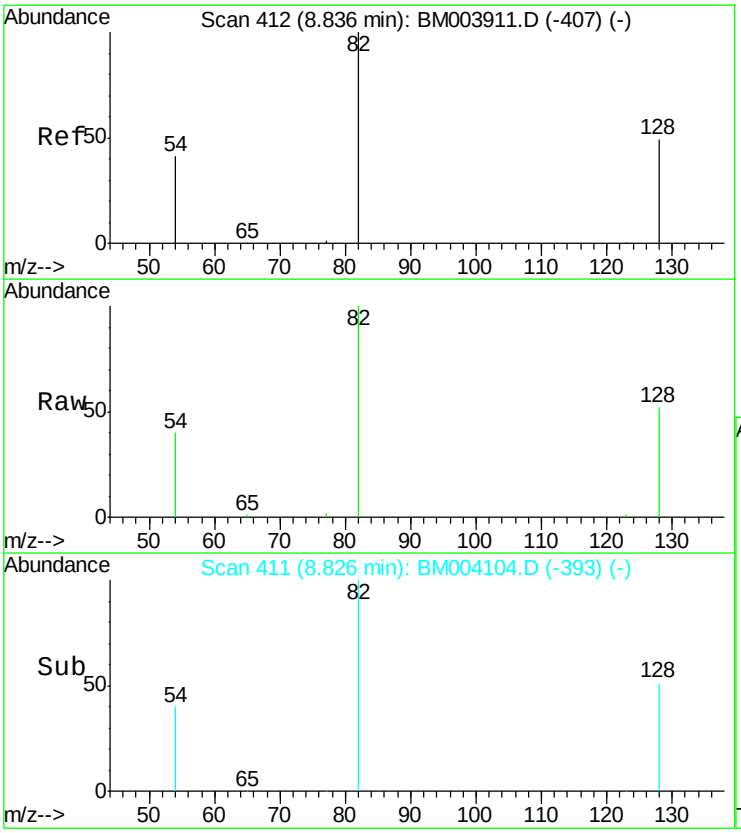
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.44 min Scan# 550
Delta R.T. -0.02 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:136 Resp: 113032

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	6.8	2.8	4.2#
68	5.3	2.5	3.7#

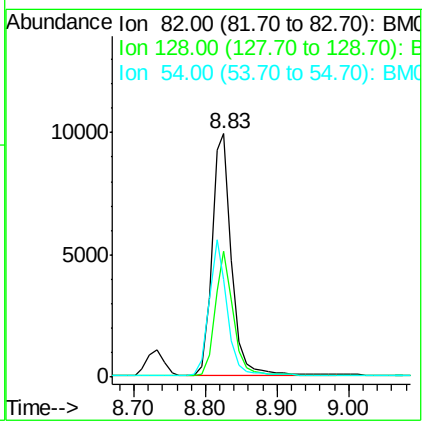


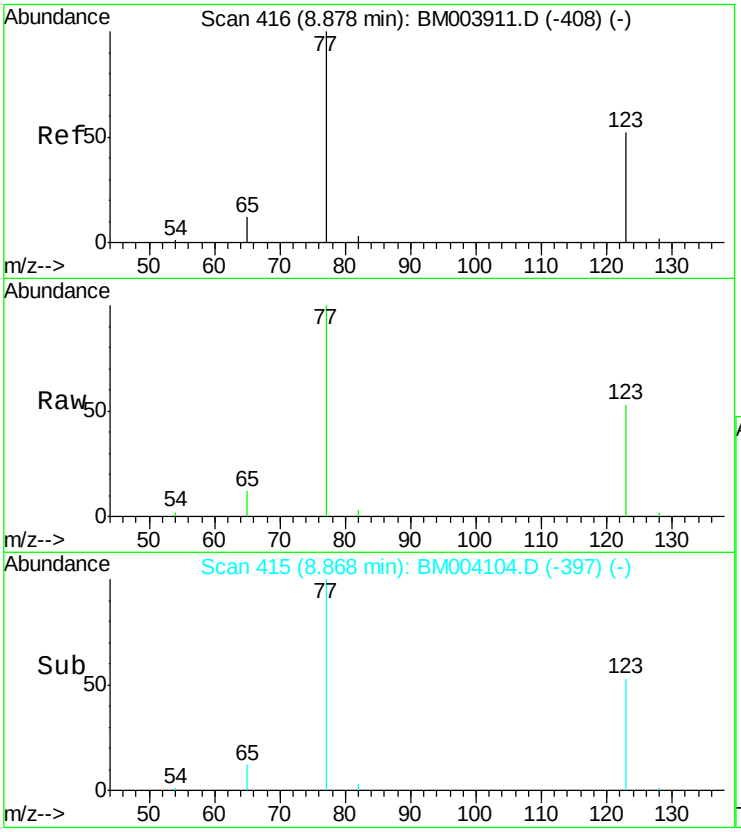


#8
Nitrobenzene-d5
Concen: 3.42 ng
RT: 8.83 min Scan# 411
Delta R.T. -0.01 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Tgt Ion: 82 Resp: 18990

Ion	Ratio	Lower	Upper
82	100		
128	51.6	39.1	58.7
54	39.9	34.8	52.2



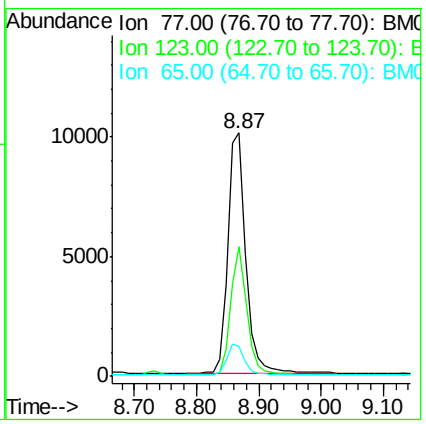


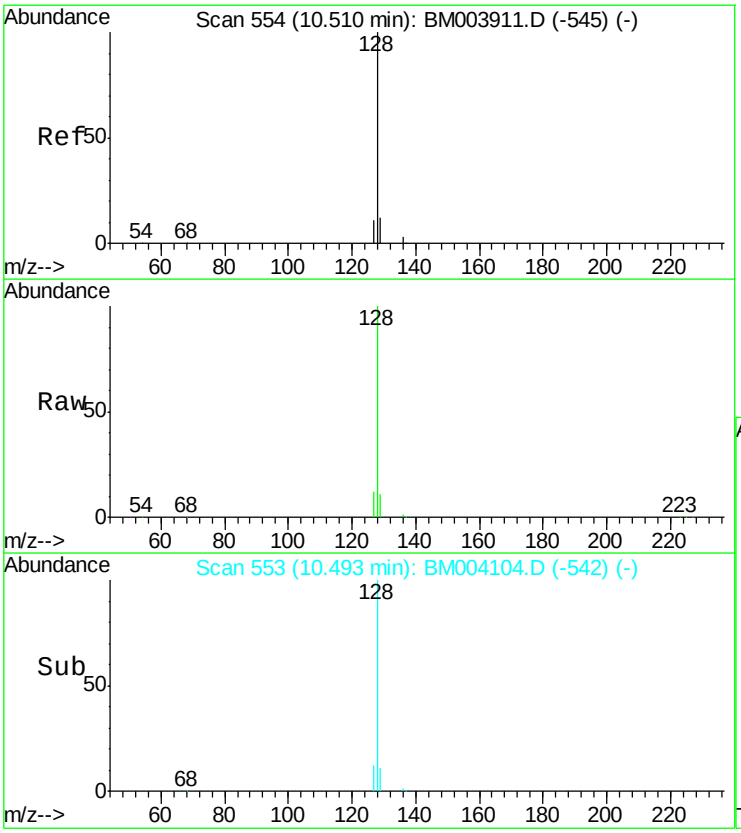
#9
Nitrobenzene
Concen: 3.39 ng
RT: 8.87 min Scan# 415
Delta R.T. -0.01 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion: 77 Resp: 20354

Ion	Ratio	Lower	Upper
77	100		
123	49.4	38.6	57.8
65	12.7	9.9	14.9

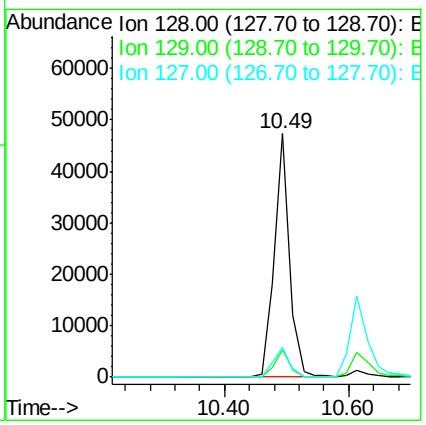


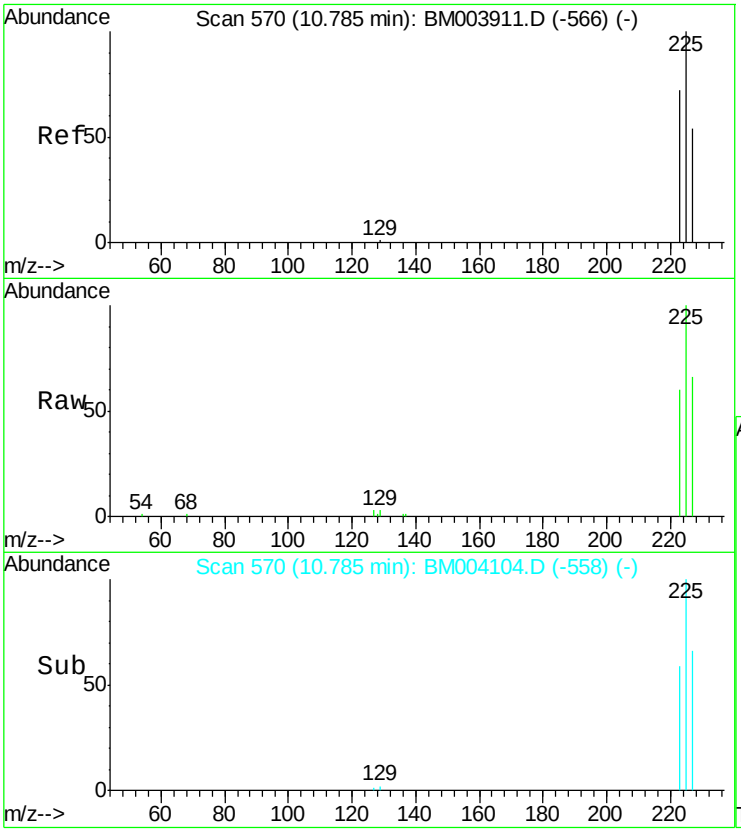


#10
Naphthalene
Concen: 3.29 ng
RT: 10.49 min Scan# 553
Delta R.T. -0.02 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Tgt Ion:128 Resp: 81482

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.5	12.7
127	12.4	11.0	16.4



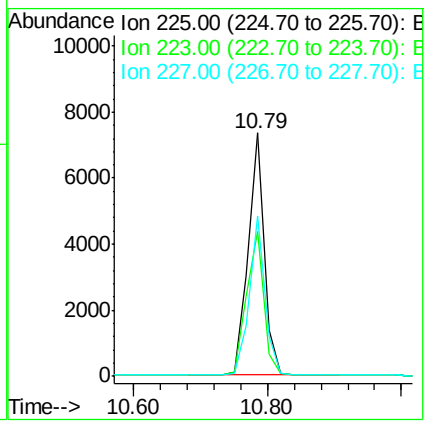


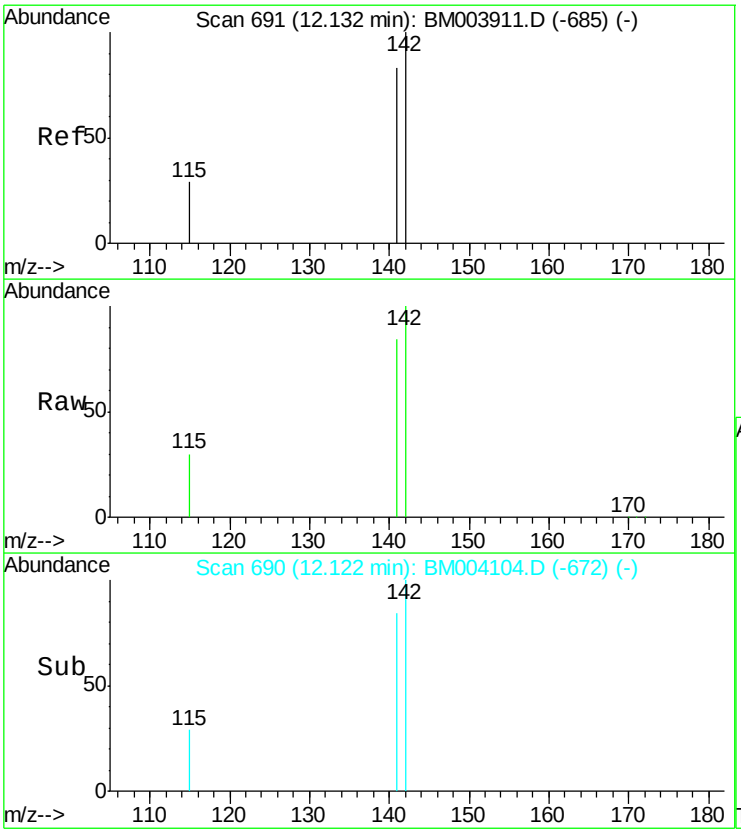
#11
Hexachlorobutadiene
Concen: 3.23 ng
RT: 10.79 min Scan# 570
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:225 Resp: 12202

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.9	76.3
227	63.8	51.2	76.8

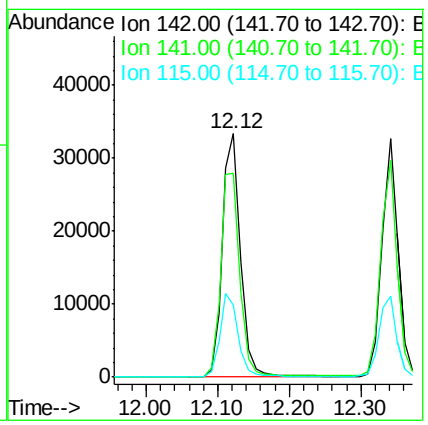


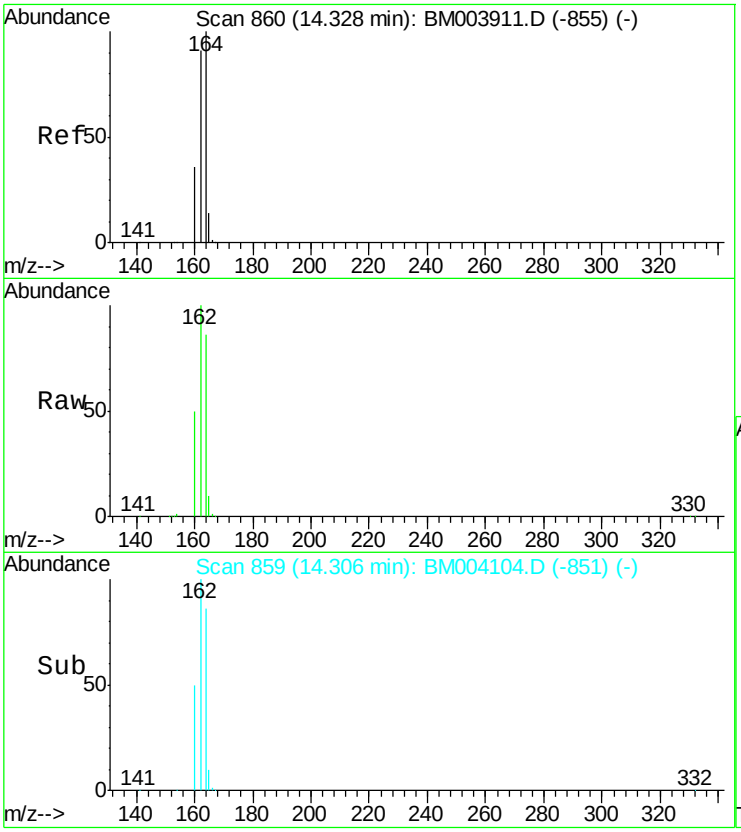


#12
2-Methylnaphthalene
Concen: 3.50 ng
RT: 12.12 min Scan# 690
Delta R.T. -0.01 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Tgt Ion:142 Resp: 58572

Ion	Ratio	Lower	Upper
142	100		
141	83.6	67.8	101.8
115	29.6	25.3	37.9



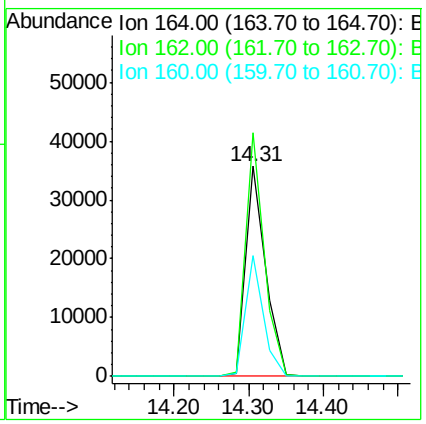


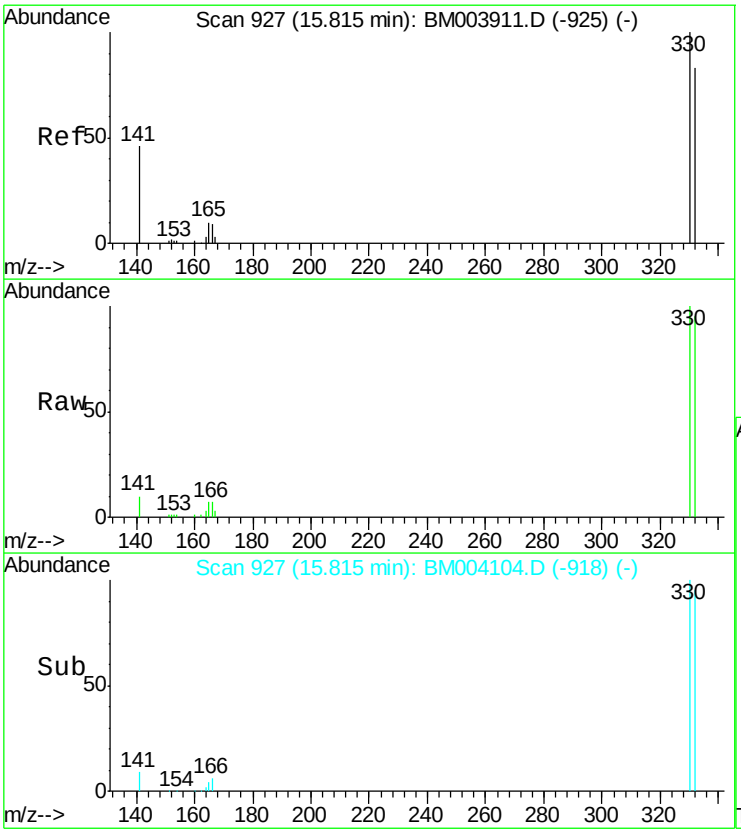
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.31 min Scan# 859
Delta R.T. -0.02 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:164 Resp: 65534

Ion	Ratio	Lower	Upper
164	100		
162	116.1	86.0	129.0
160	57.8	40.3	60.5

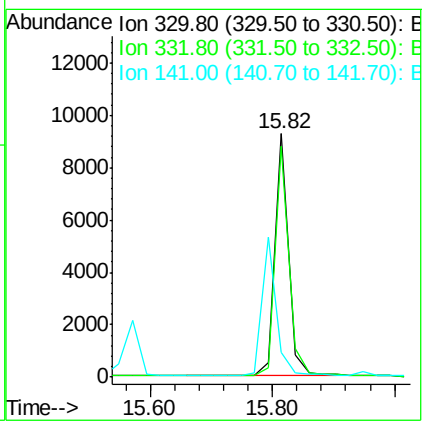


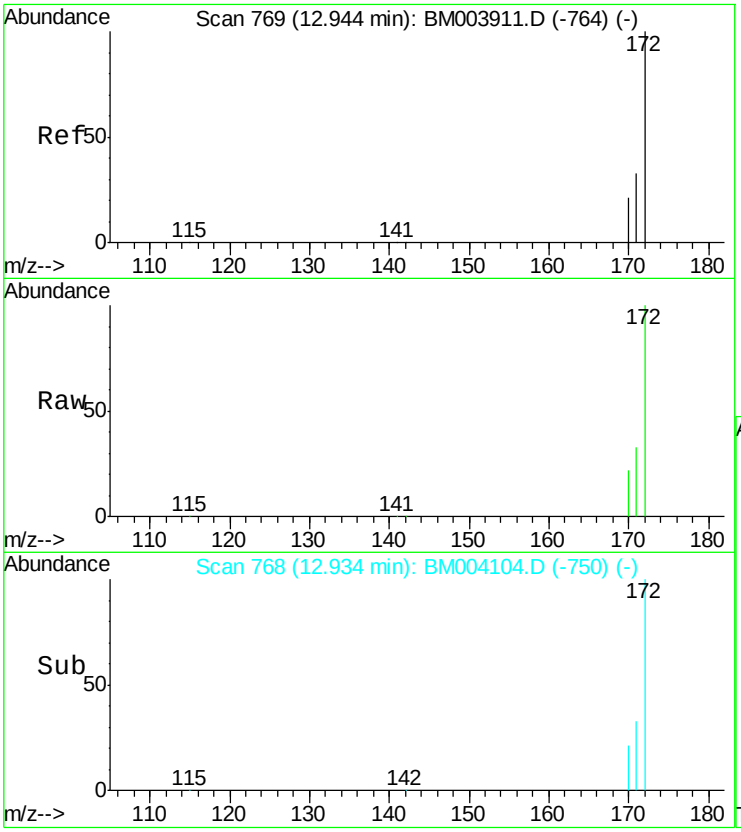


#14
2,4,6-Tribromophenol
Concen: 7.34 ng
RT: 15.82 min Scan# 927
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Tgt Ion:330 Resp: 14411

Ion	Ratio	Lower	Upper
330	100		
332	95.8	79.0	118.4
141	0.0	0.0	0.0



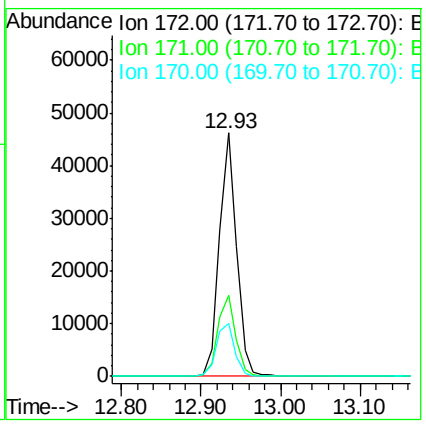


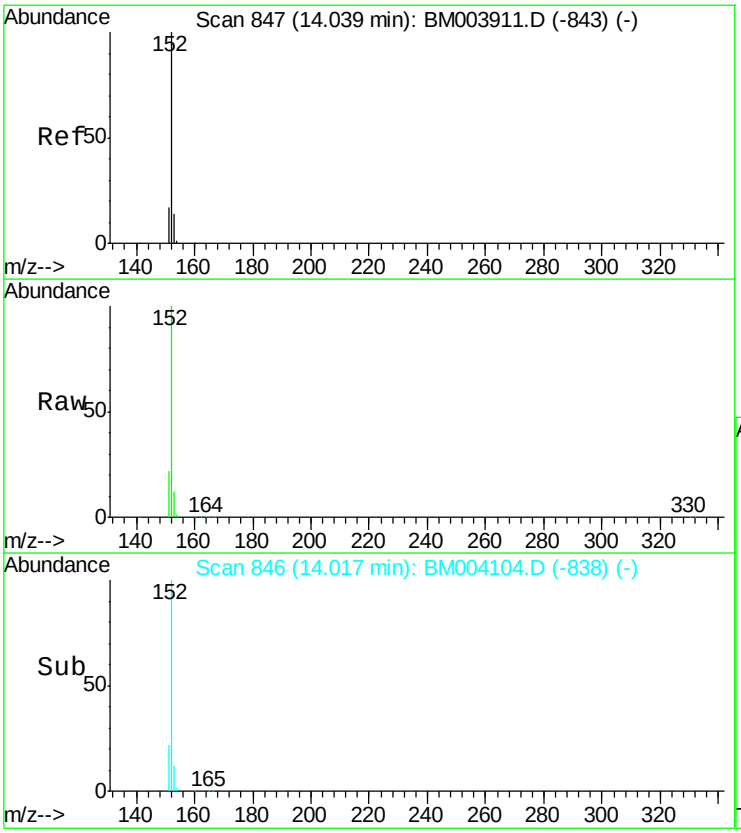
#15
2-Fluorobiphenyl
Concen: 3.28 ng
RT: 12.93 min Scan# 768
Delta R.T. -0.01 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:172 Resp: 69276

Ion	Ratio	Lower	Upper
172	100		
171	33.4	27.0	40.6
170	21.6	17.9	26.9

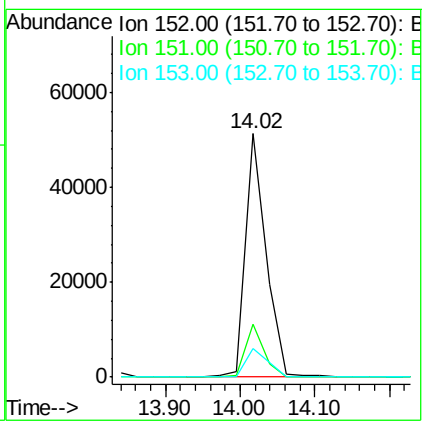


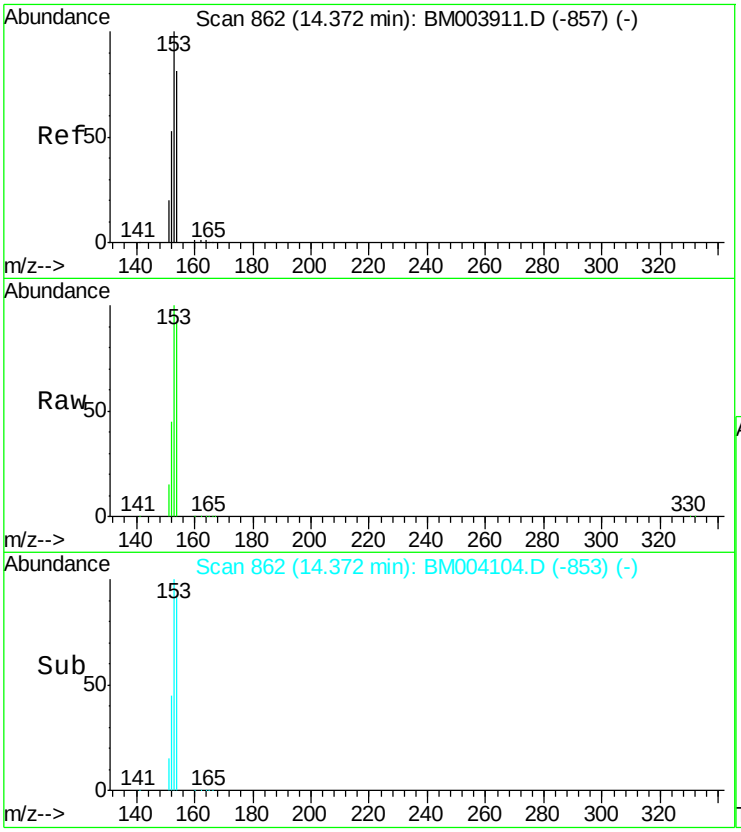


#16
Acenaphthylene
Concen: 3.56 ng
RT: 14.02 min Scan# 846
Delta R.T. -0.02 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Tgt Ion:152 Resp: 97249

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	12.8	10.2	15.4



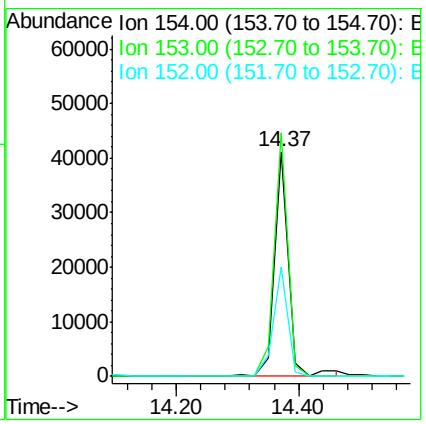


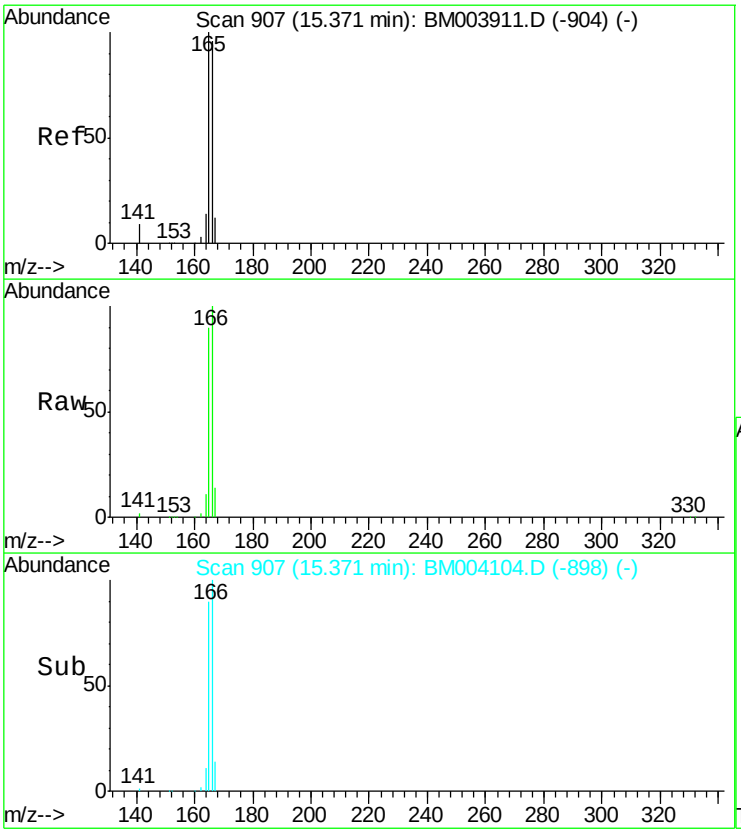
#17
Acenaphthene
Concen: 3.43 ng
RT: 14.37 min Scan# 862
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:154 Resp: 65441

Ion	Ratio	Lower	Upper
154	100		
153	105.9	85.4	128.2
152	49.7	40.6	60.8

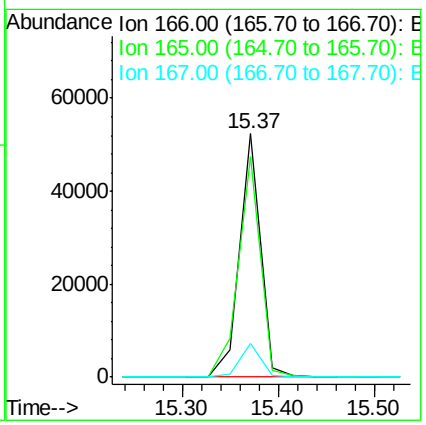


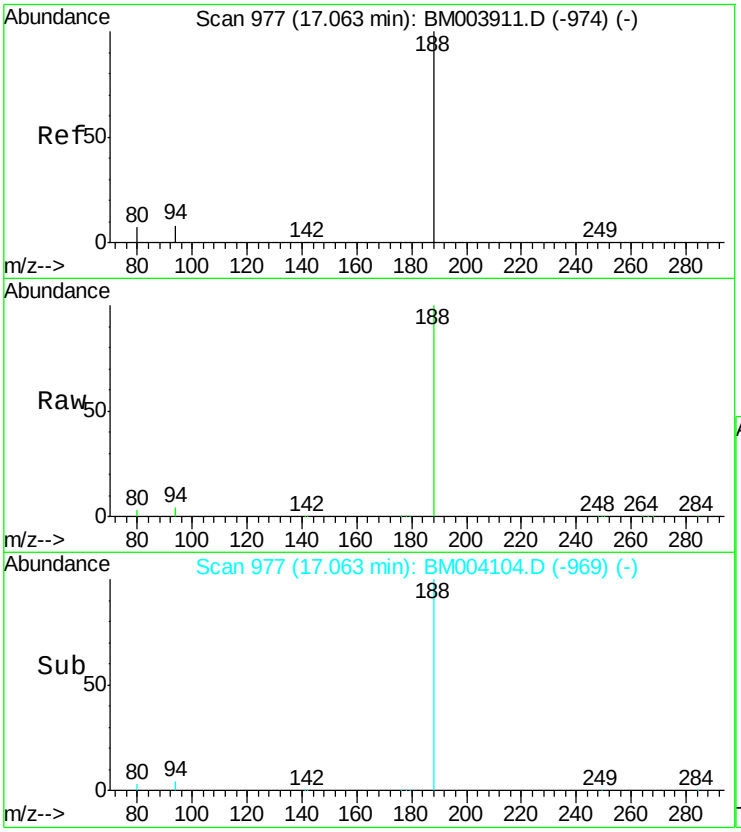


#18
Fluorene
Concen: 3.54 ng
RT: 15.37 min Scan# 907
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Tgt Ion:166 Resp: 80578

Ion	Ratio	Lower	Upper
166	100		
165	94.7	77.2	115.8
167	13.7	11.0	16.6



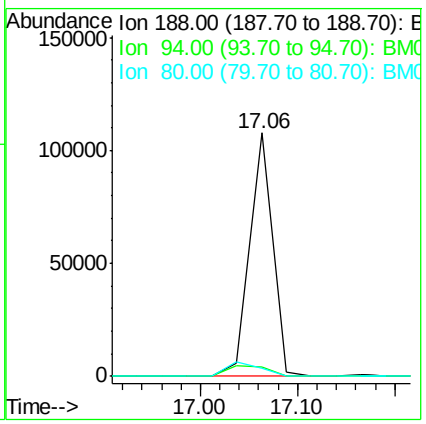


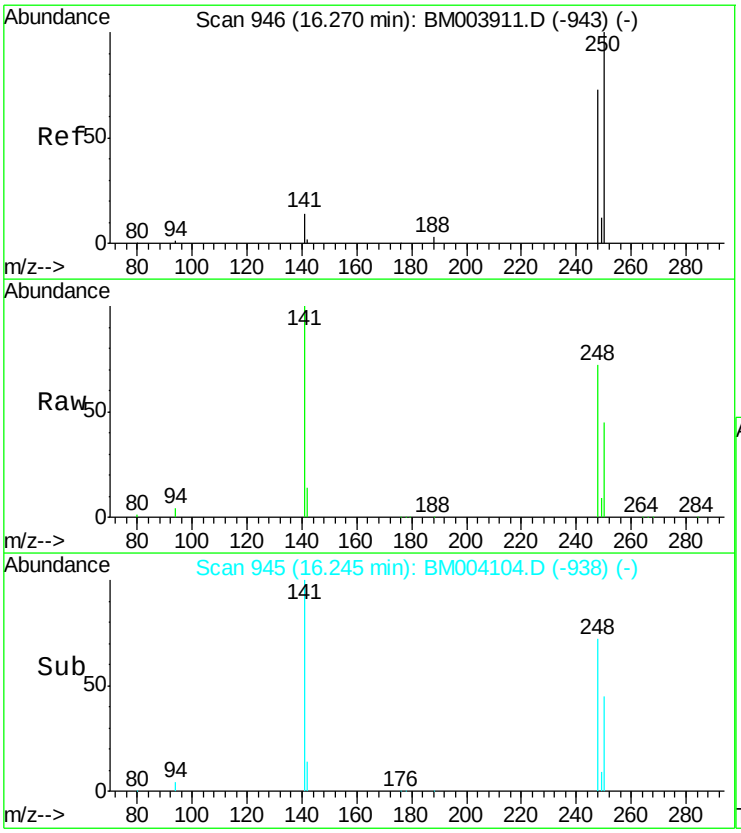
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 977
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:188 Resp: 177475

Ion	Ratio	Lower	Upper
188	100		
94	3.8	20.3	30.5#
80	3.1	22.2	33.4#

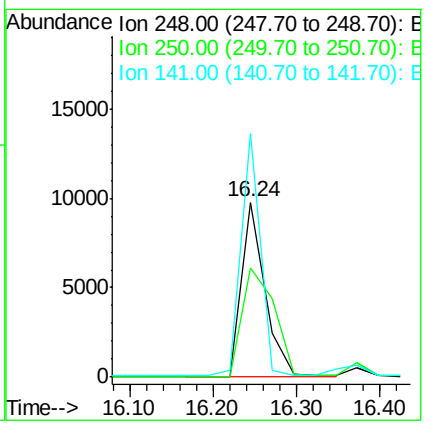


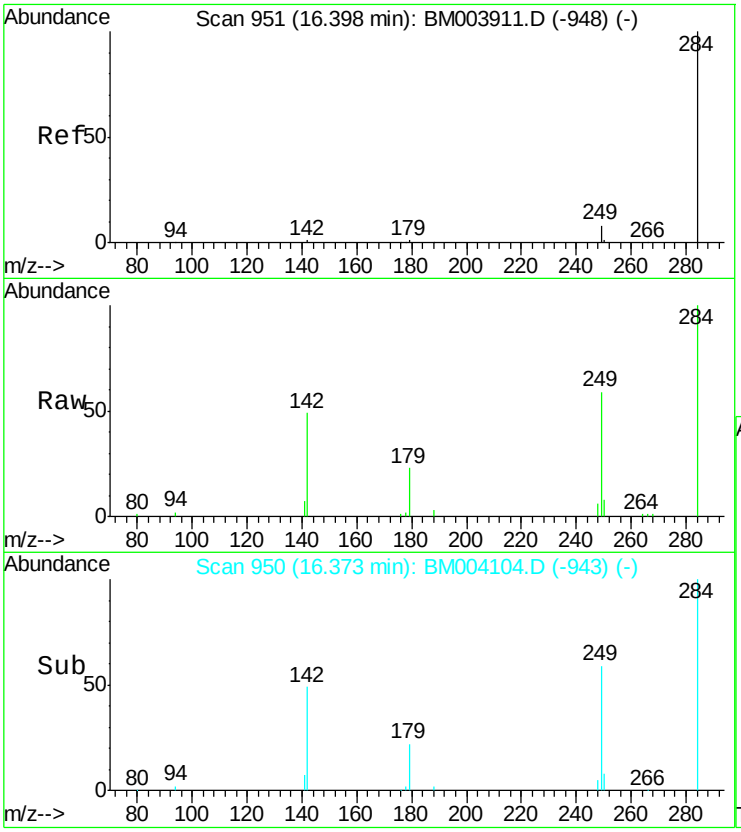


#20
4-Bromophenyl-phenylether
Concen: 3.45 ng
RT: 16.24 min Scan# 945
Delta R.T. -0.03 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Tgt Ion:248 Resp: 18903

Ion	Ratio	Lower	Upper
248	100		
250	85.8	75.0	112.4
141	115.9	53.0	79.4#



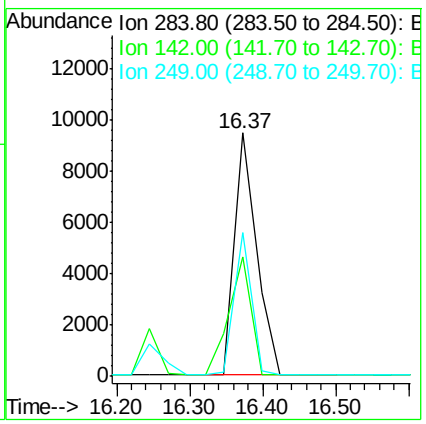


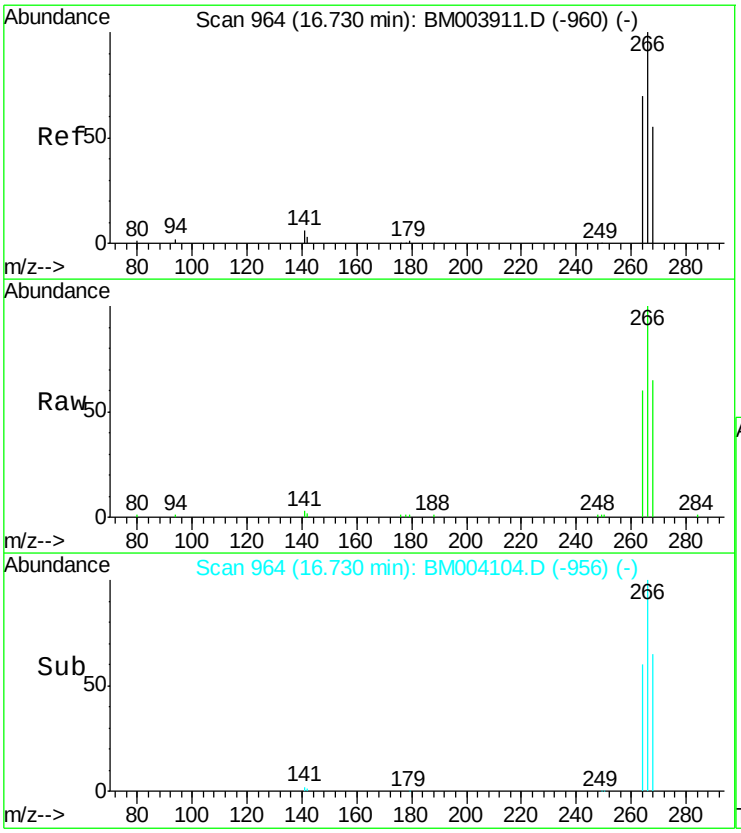
#21
Hexachlorobenzene
Concen: 3.35 ng
RT: 16.37 min Scan# 950
Delta R.T. -0.03 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:284 Resp: 19546

Ion	Ratio	Lower	Upper
284	100		
142	48.9	0.0	0.0#
249	45.6	21.5	32.3#

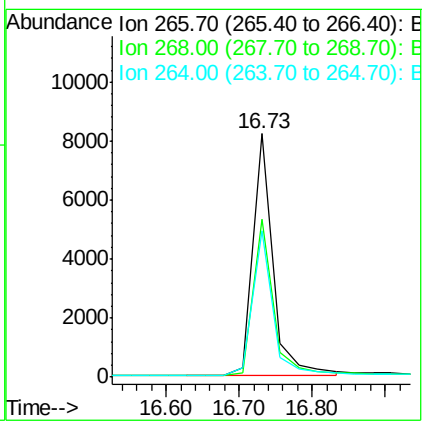


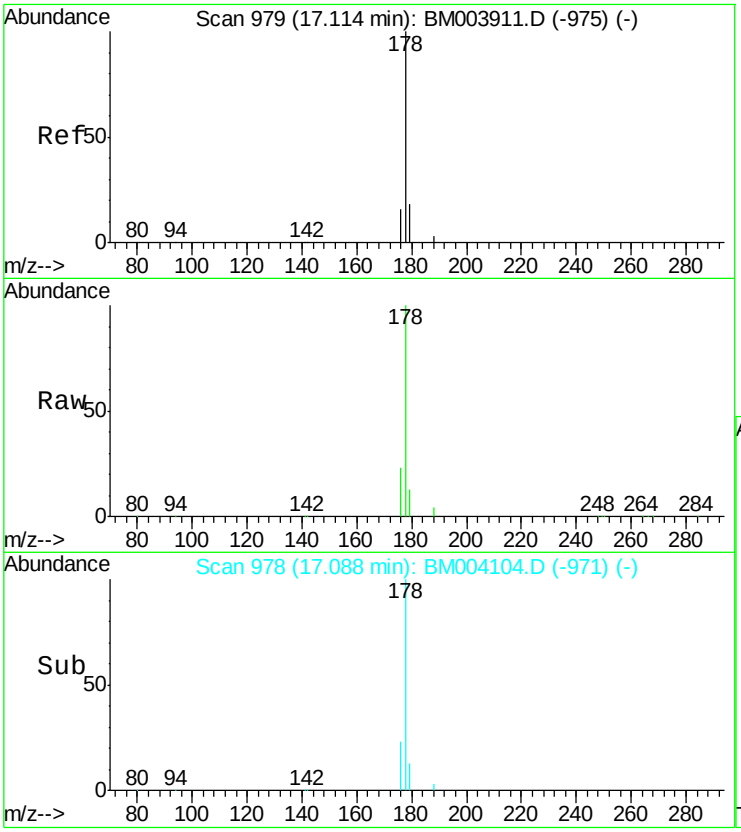


#22
Pentachlorophenol
Concen: 6.47 ng
RT: 16.73 min Scan# 964
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Tgt Ion:266 Resp: 15738

Ion	Ratio	Lower	Upper
266	100		
268	65.0	62.7	94.1
264	60.2	45.7	68.5



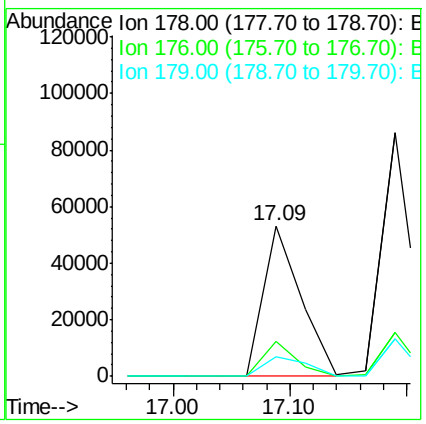


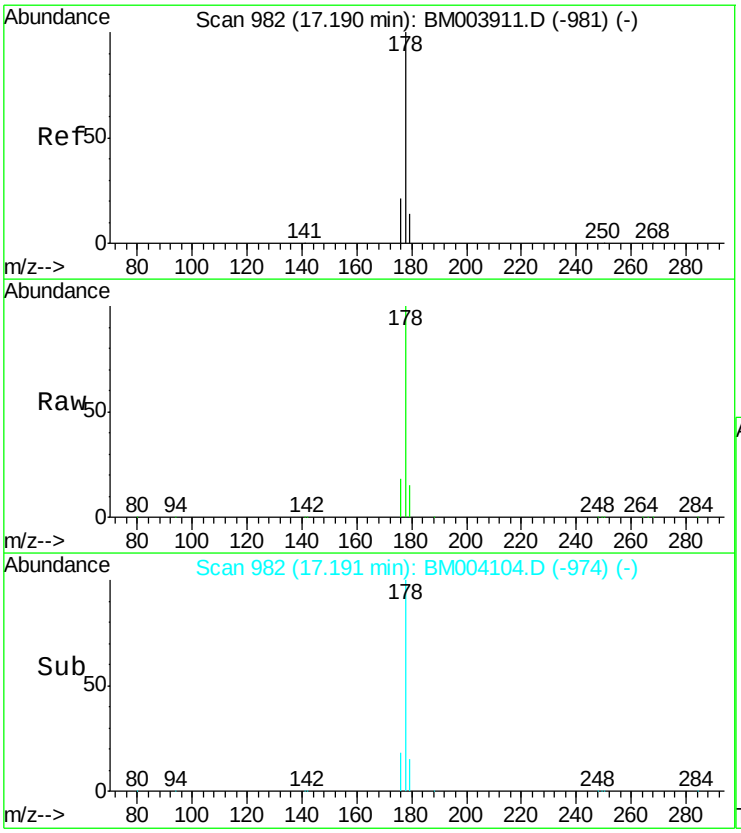
#23
Phenanthrene
Concen: 3.62 ng
RT: 17.09 min Scan# 978
Delta R.T. -0.02 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:178 Resp: 118095

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.4	23.0
179	14.7	12.2	18.4

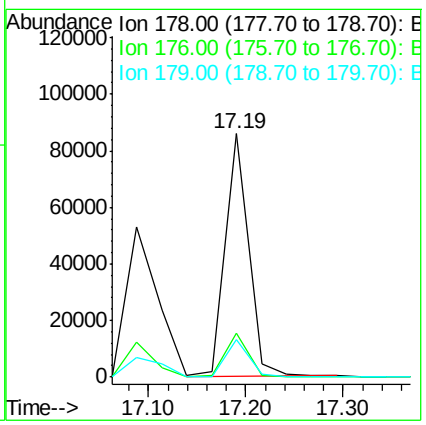


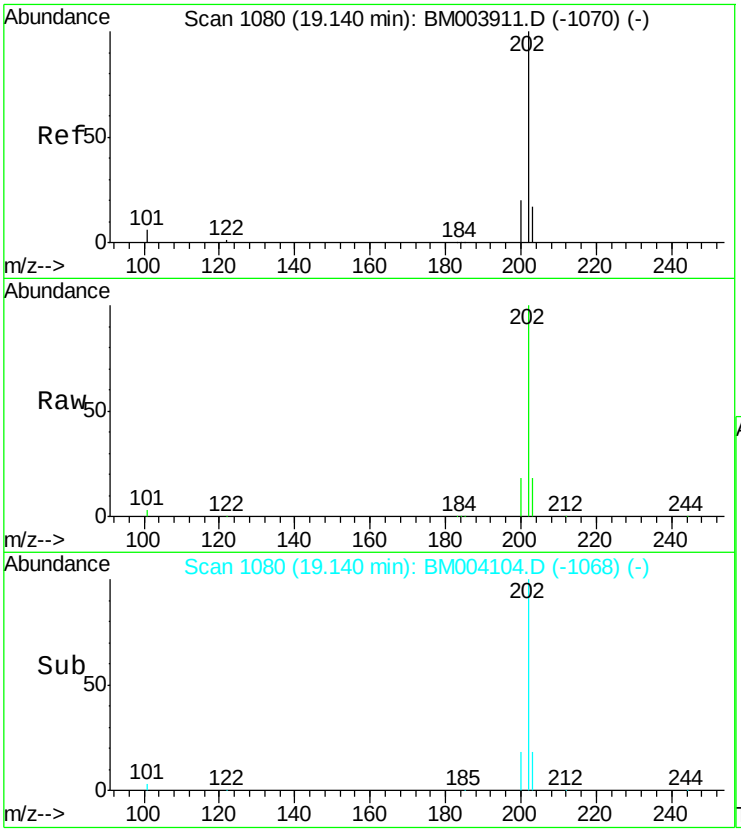


#24
Anthracene
Concen: 4.00 ng
RT: 17.19 min Scan# 982
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Tgt Ion:178 Resp: 142729

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.3	12.6	19.0



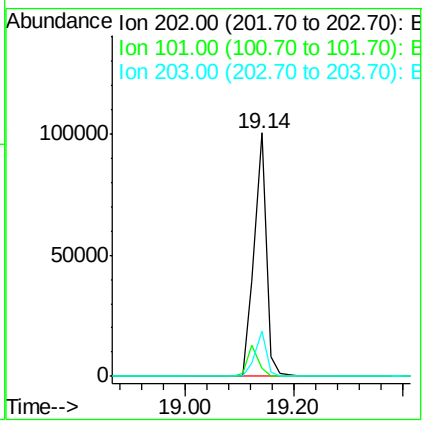


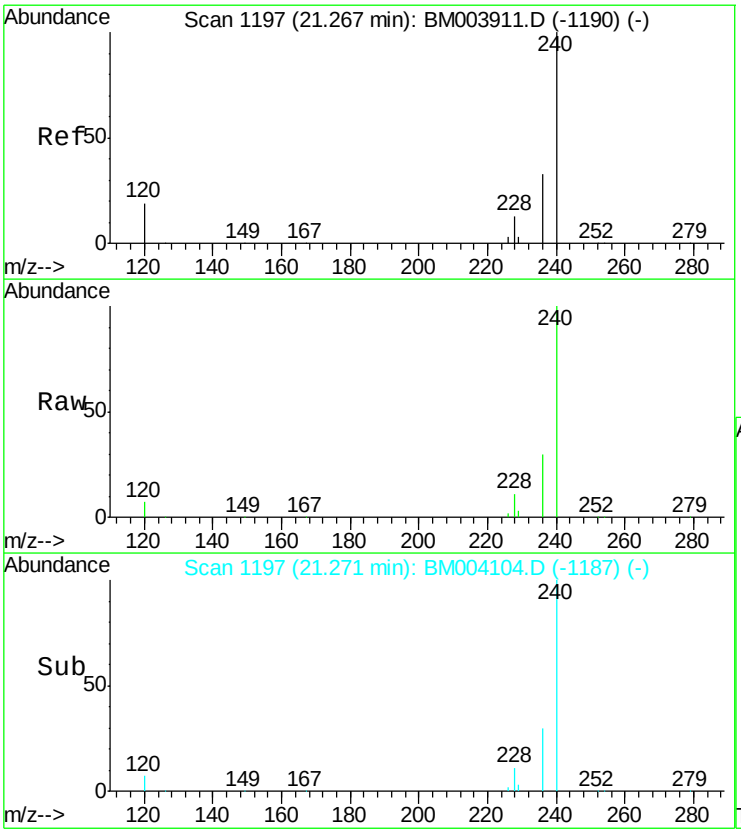
#25
Fluoranthene
Concen: 3.92 ng
RT: 19.14 min Scan# 1080
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:202 Resp: 154831

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.7	14.5
203	17.5	13.8	20.8

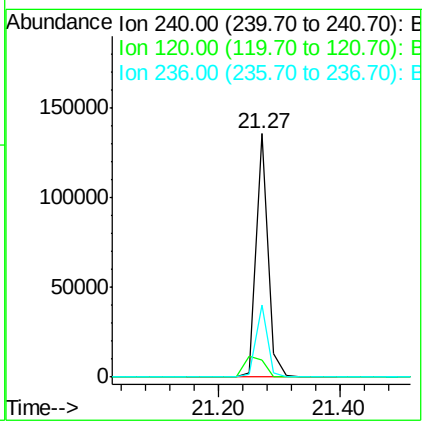


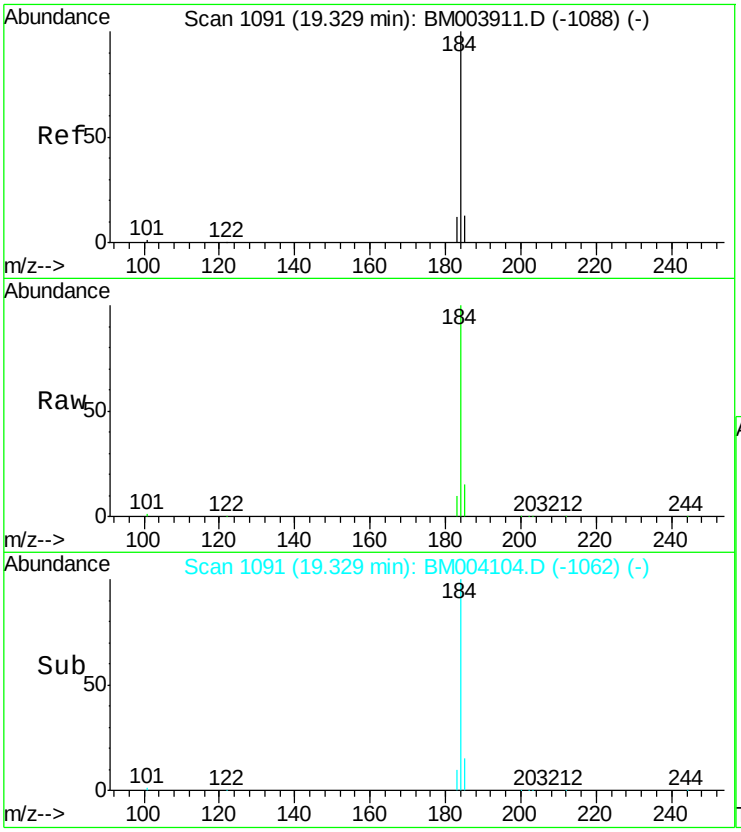


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.27 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Tgt Ion:240 Resp: 187722

Ion	Ratio	Lower	Upper
240	100		
120	6.9	0.9	1.3#
236	29.5	17.3	25.9#



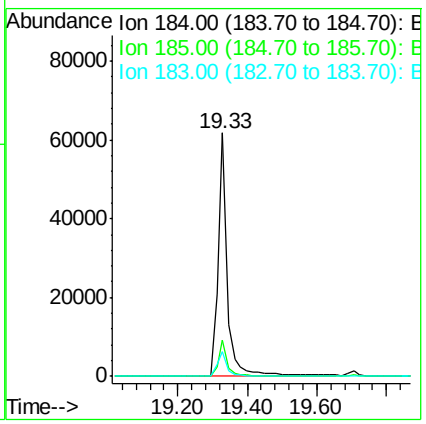


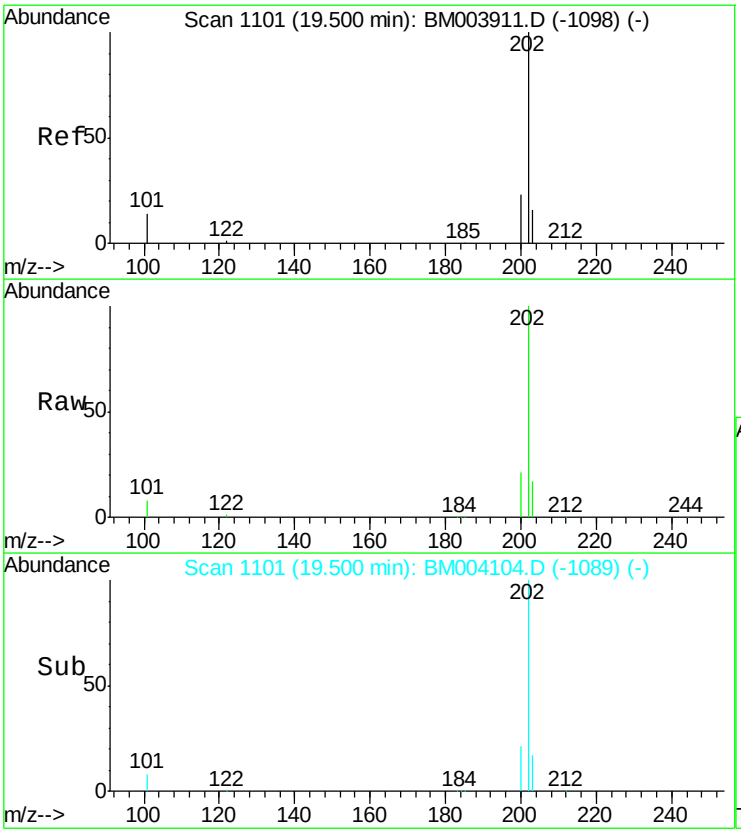
#27
Benzidine
Concen: 5.15 ng
RT: 19.33 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:184 Resp: 114551

Ion	Ratio	Lower	Upper
184	100		
185	15.1	13.2	19.8
183	10.4	9.0	13.6

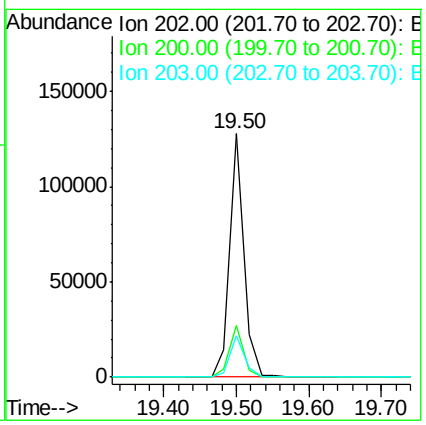


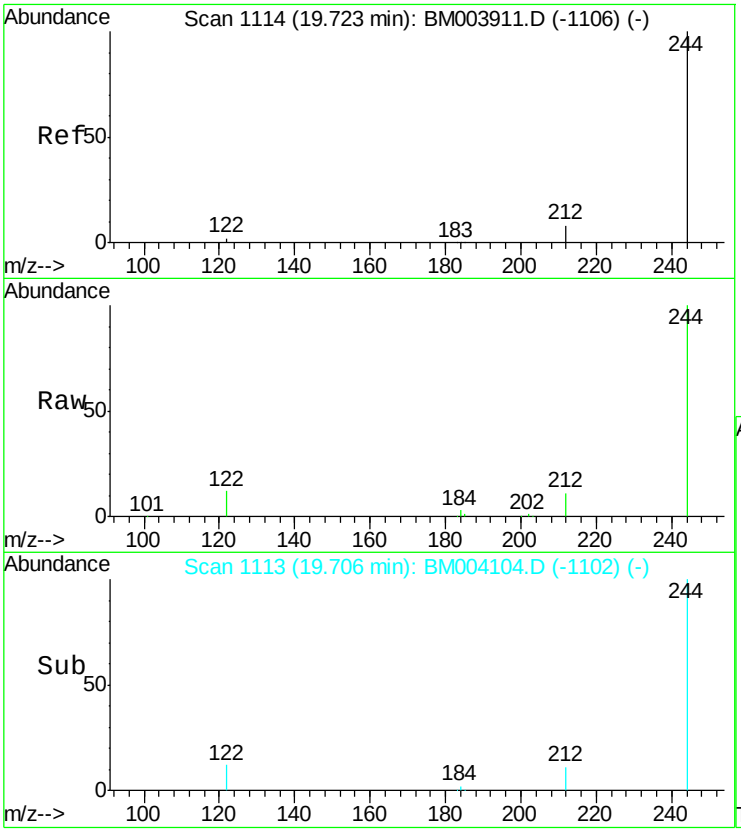


#28
Pyrene
Concen: 2.55 ng
RT: 19.50 min Scan# 1101
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Tgt Ion:202 Resp: 171854

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	24.8
203	17.9	14.0	21.0



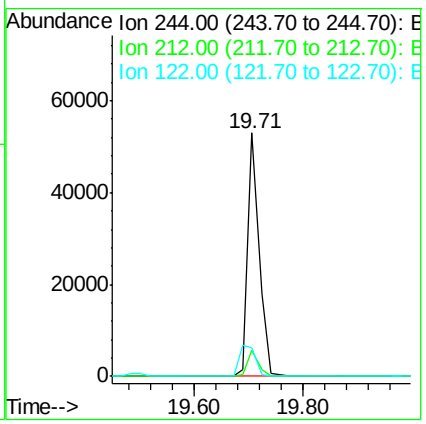


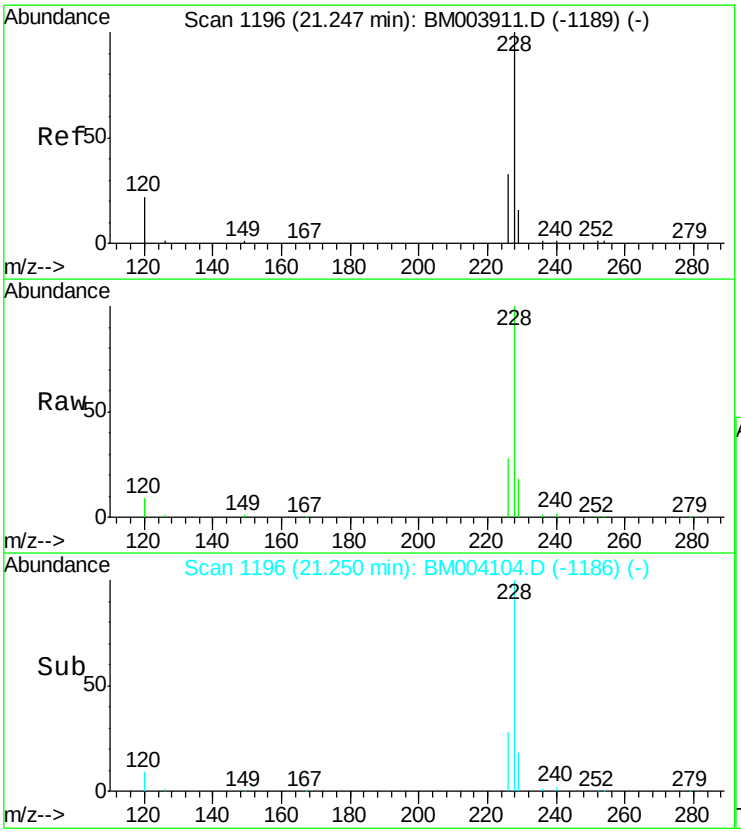
#29
Terphenyl-d14
Concen: 2.48 ng
RT: 19.71 min Scan# 1113
Delta R.T. -0.02 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:244 Resp: 75487

Ion	Ratio	Lower	Upper
244	100		
212	10.8	7.0	10.6#
122	11.9	3.0	4.6#

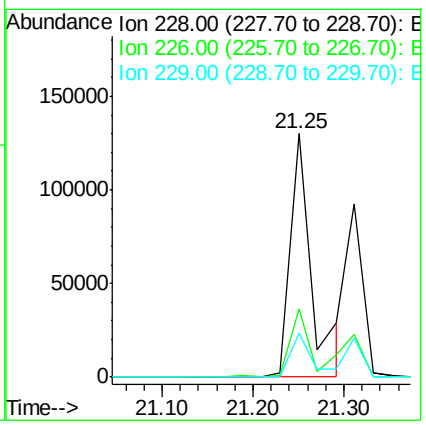


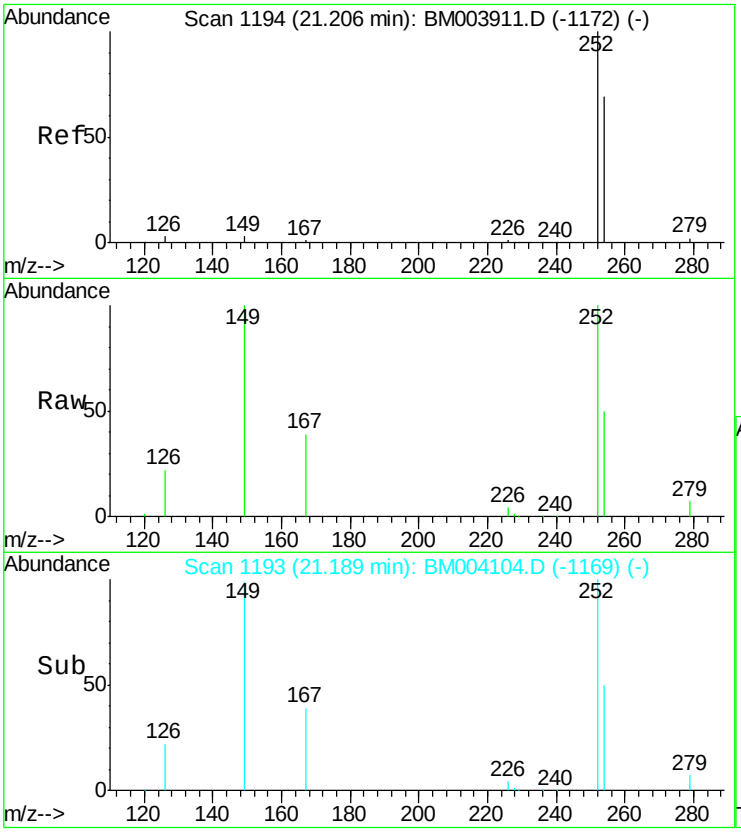


#30
Benzo(a)anthracene
Concen: 4.06 ng
RT: 21.25 min Scan# 1196
Delta R.T. 0.00 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Tgt Ion:228 Resp: 216501

Ion	Ratio	Lower	Upper
228	100		
226	28.1	17.2	25.8#
229	17.9	18.7	28.1#



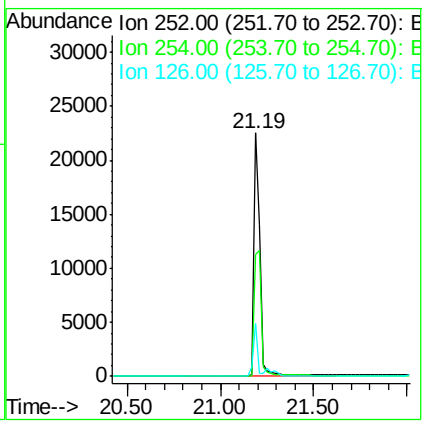


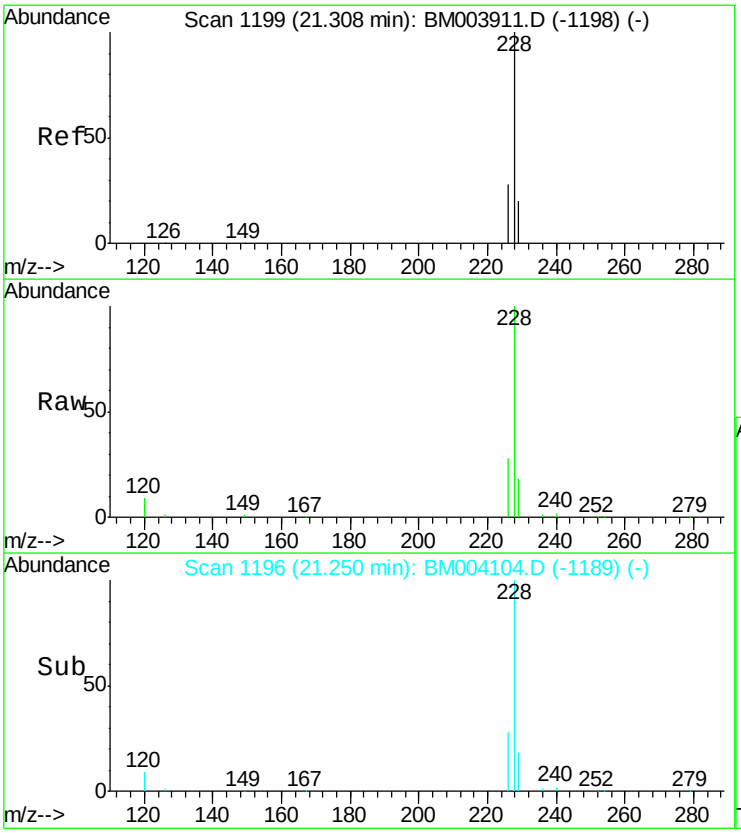
#31
3,3'-Dichlorobenzidine
Concen: 3.02 ng
RT: 21.19 min Scan# 1193
Delta R.T. -0.02 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:252 Resp: 48978

Ion	Ratio	Lower	Upper
252	100		
254	49.9	52.6	79.0#
126	21.8	3.7	5.5#

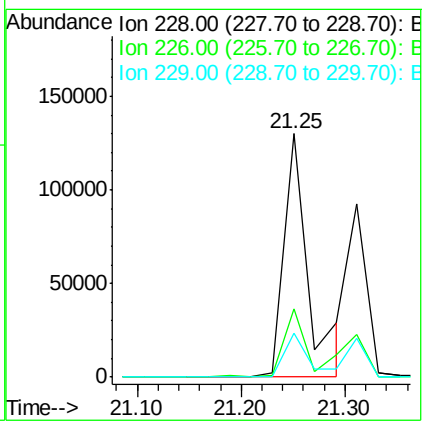


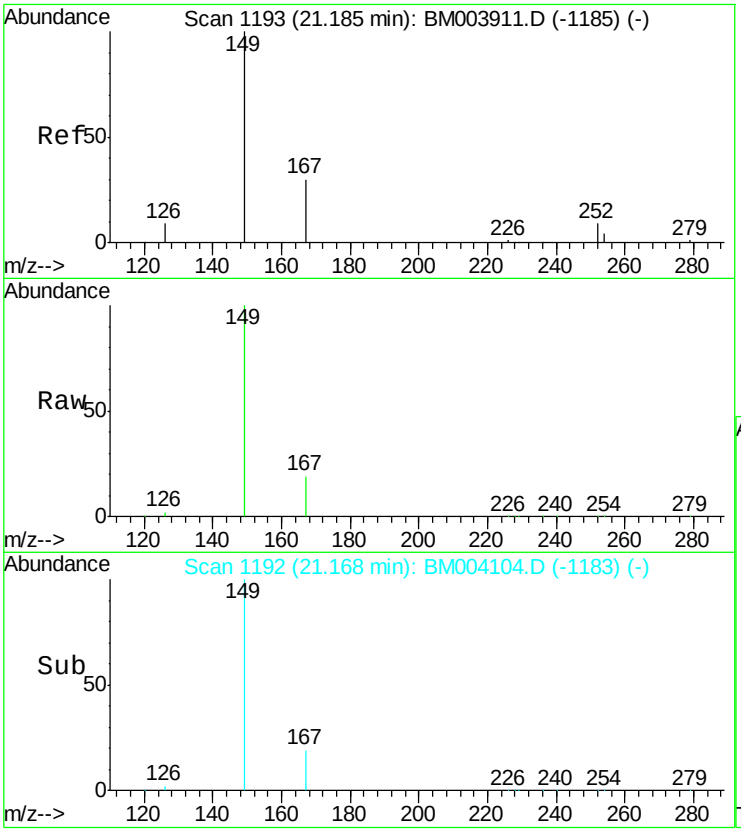


#32
Chrysene
Concen: 3.91 ng
RT: 21.25 min Scan# 1196
Delta R.T. -0.06 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Tgt Ion:228 Resp: 216482

Ion	Ratio	Lower	Upper
228	100		
226	28.1	25.3	37.9
229	17.9	14.5	21.7



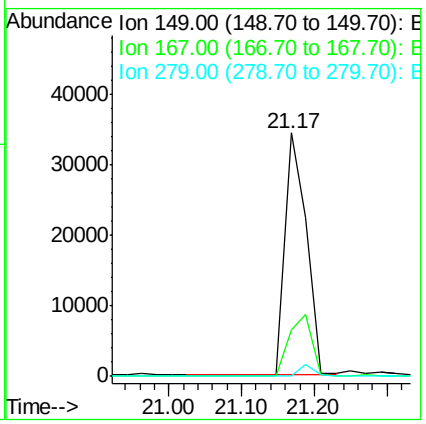


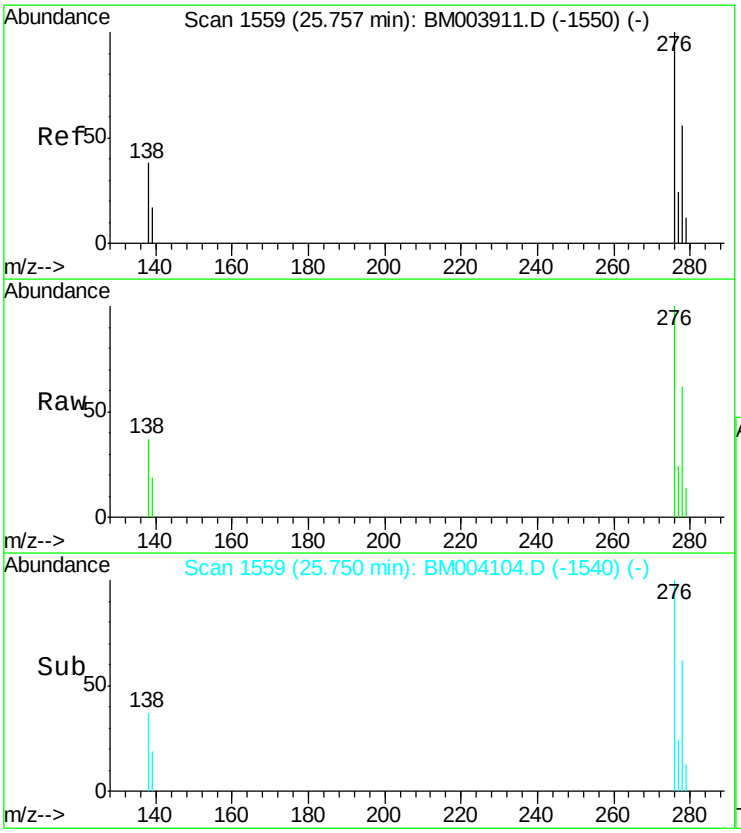
#33
Bis(2-ethylhexyl)phthalate
Concen: 2.38 ng
RT: 21.17 min Scan# 1192
Delta R.T. -0.02 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:149 Resp: 70330

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

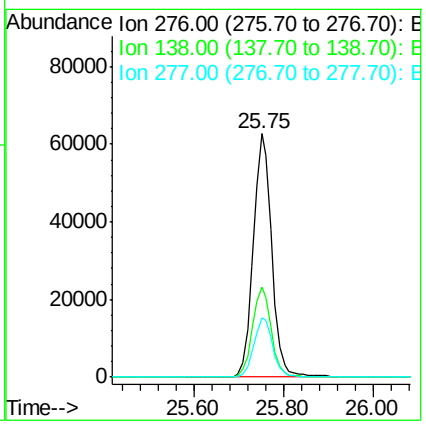


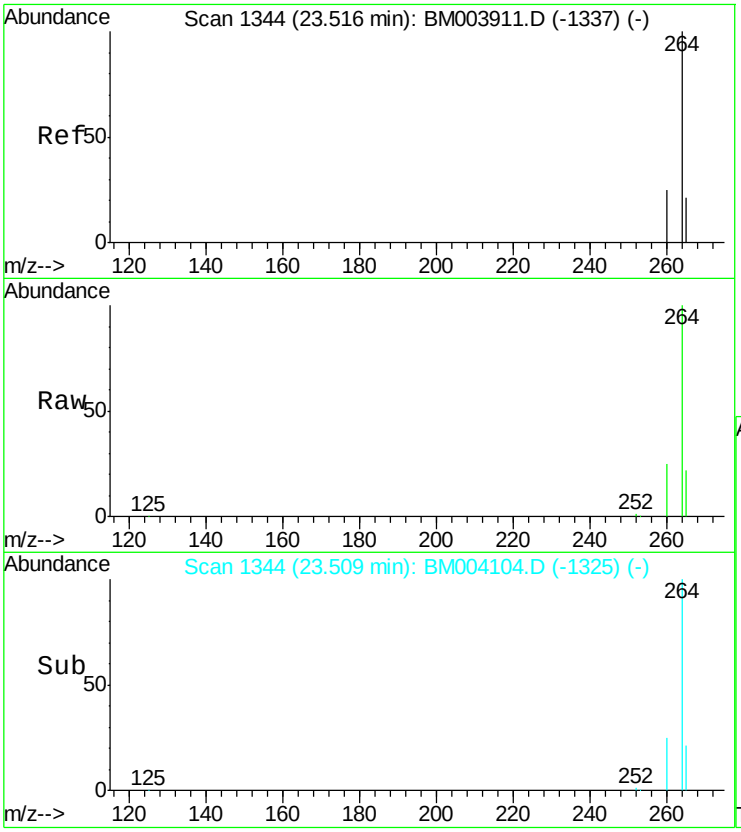


#34
Indeno(1,2,3-cd)pyrene
Concen: 4.53 ng
RT: 25.75 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Tgt Ion:276 Resp: 179734

Ion	Ratio	Lower	Upper
276	100		
138	37.4	30.2	45.2
277	24.7	19.8	29.8



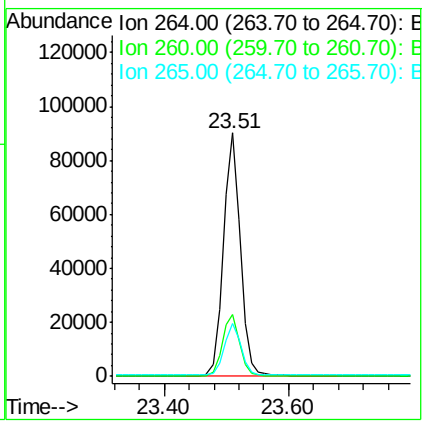


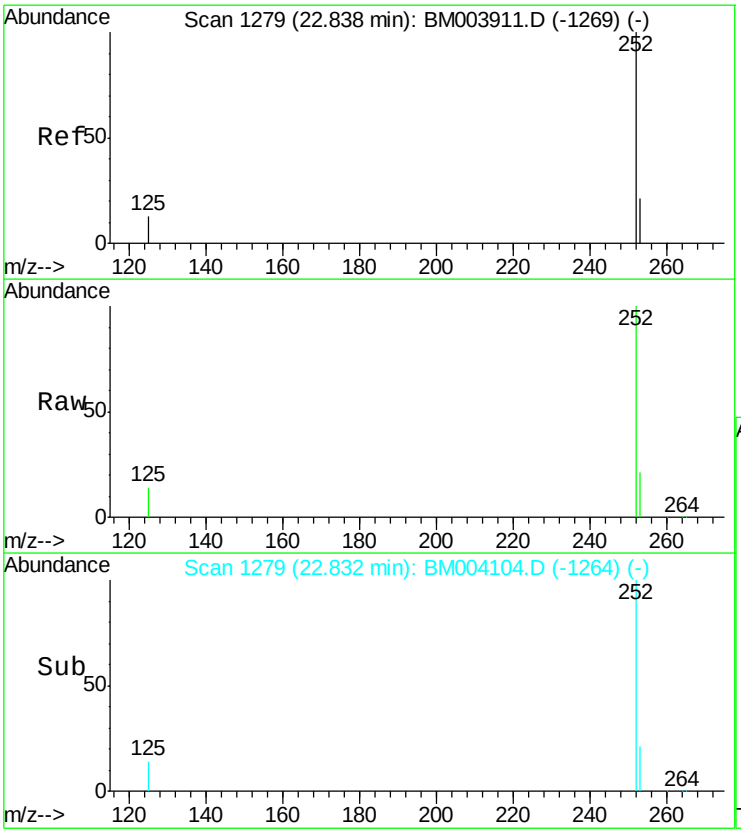
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.51 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:264 Resp: 172020

Ion	Ratio	Lower	Upper
264	100		
260	25.4	21.2	31.8
265	21.8	16.7	25.1

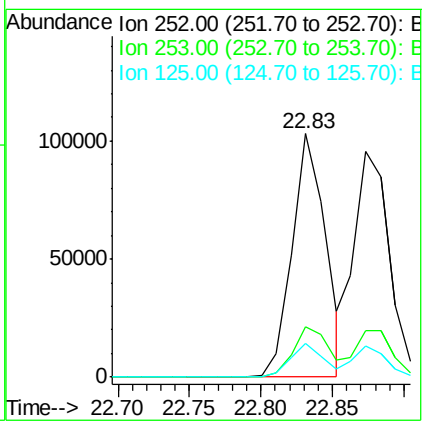


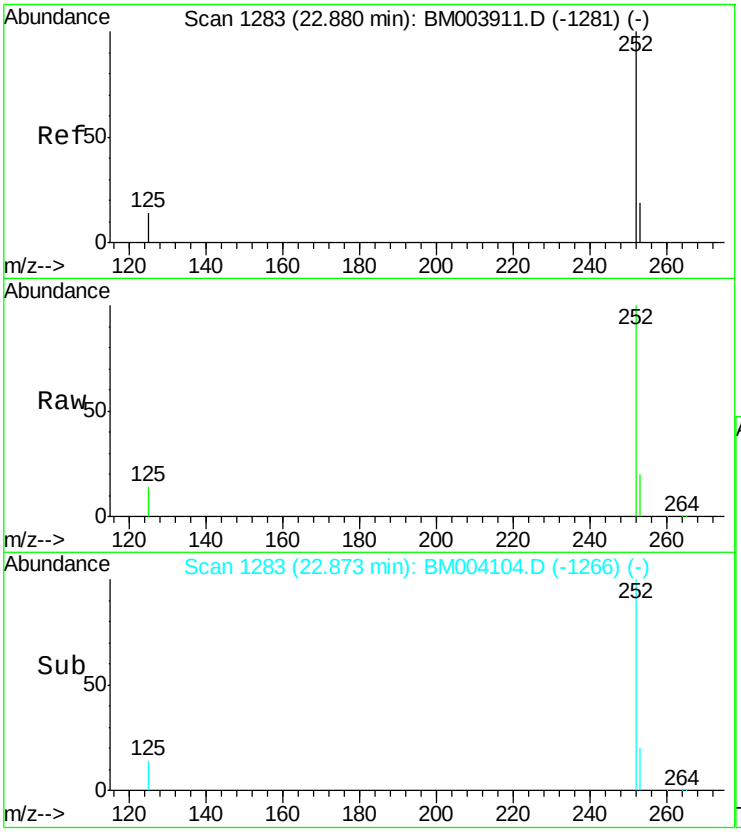


#36
Benzo(b)fluoranthene
Concen: 3.19 ng
RT: 22.83 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Tgt Ion:252 Resp: 167457

Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.8	28.2
125	13.6	10.2	15.4



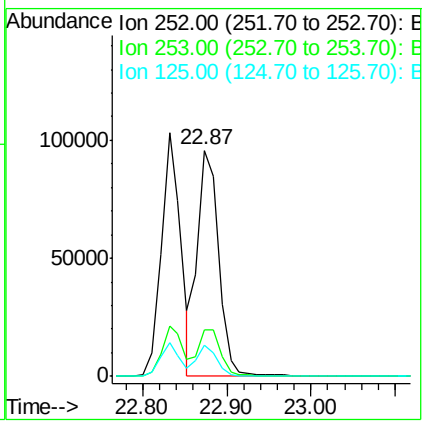


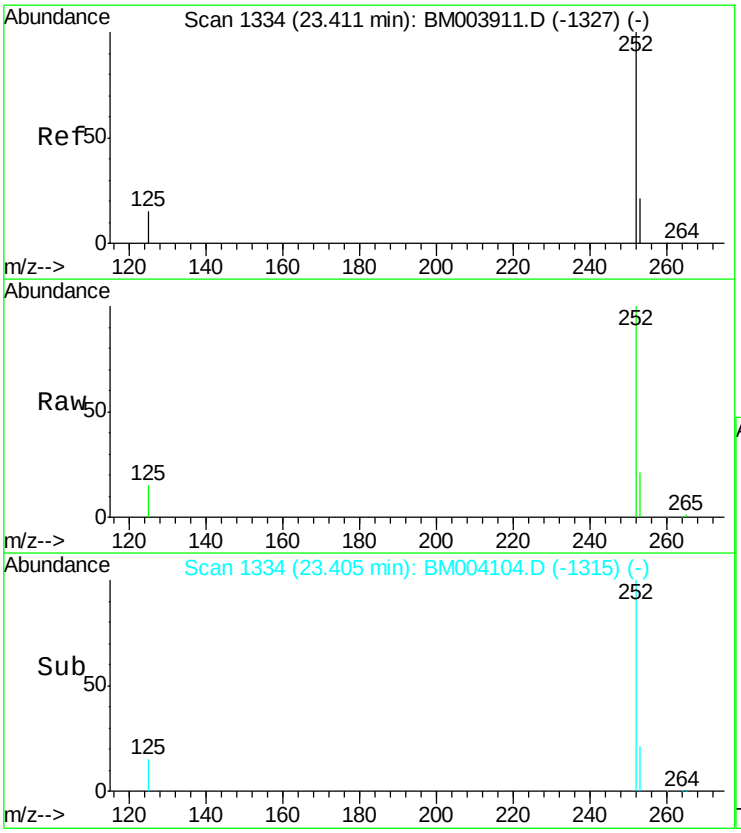
#37
Benzo(k)fluoranthene
Concen: 3.25 ng
RT: 22.87 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:252 Resp: 165286

Ion	Ratio	Lower	Upper
252	100		
253	20.5	18.3	27.5
125	13.9	10.6	15.8

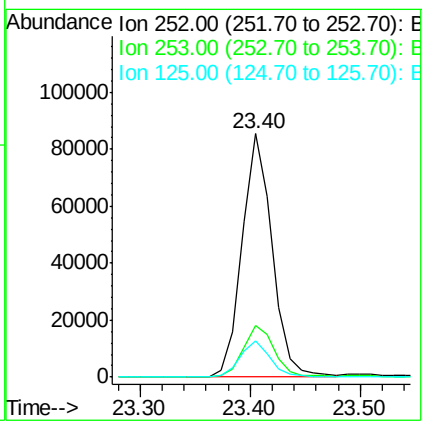


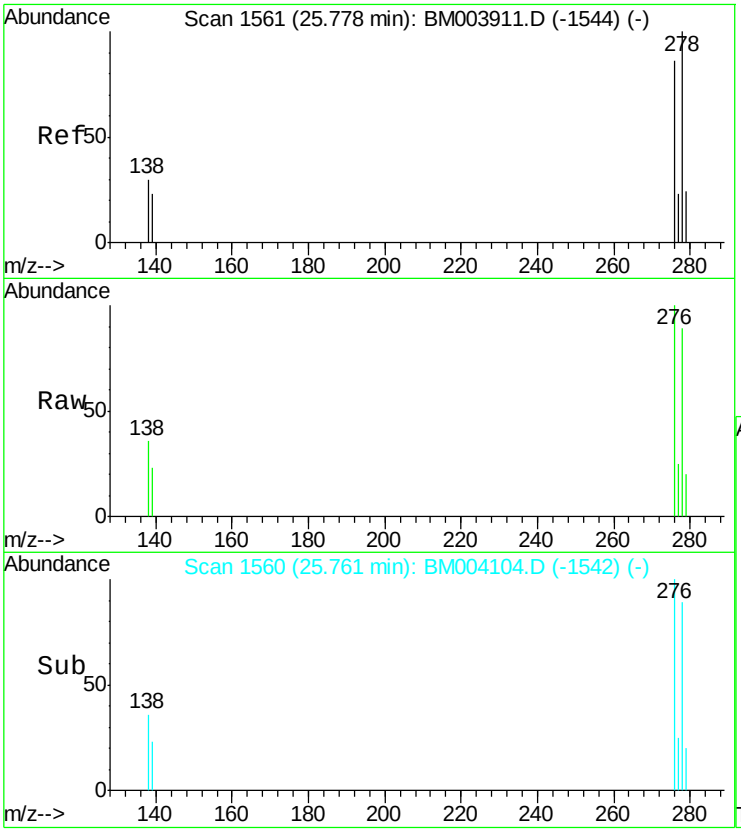


#38
Benzo(a)pyrene
Concen: 3.58 ng
RT: 23.40 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Tgt Ion:252 Resp: 160342

Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.7	28.1
125	14.8	11.8	17.8



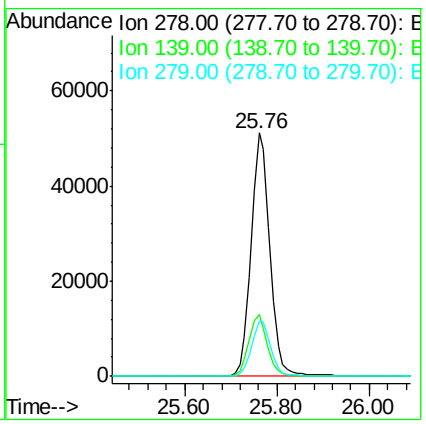


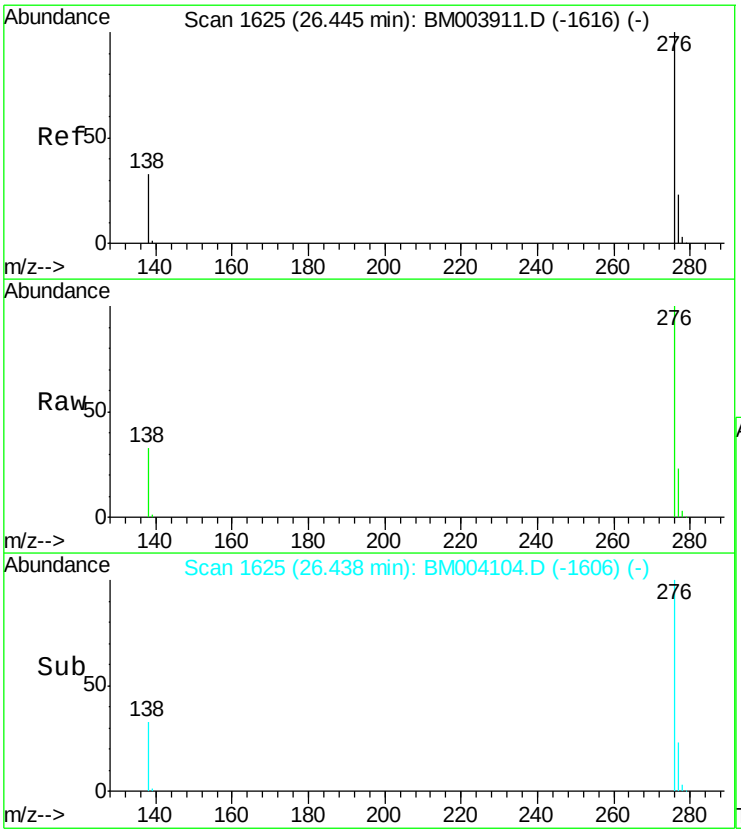
#39
Dibenzo(a,h)anthracene
Concen: 3.77 ng
RT: 25.76 min Scan# 1560
Delta R.T. -0.02 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Tgt Ion:278 Resp: 144062

Ion	Ratio	Lower	Upper
278	100		
139	25.6	19.0	28.6
279	22.9	19.6	29.4





#40
Benzo(g,h,i)perylene
Concen: 3.76 ng
RT: 26.44 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BM004104.D
Acq: 21 Jan 2016 18:05

Tgt Ion:276 Resp: 151941

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.1	28.7
138	32.7	25.0	37.4