Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM010916\
Data File : BM003931.D
Acq On : 10 Jan 2016 09:28
Operator : SJ/UM
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId :

Quant Time: Jan 11 00:42:57 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	50200	5.00	ng		0.00
7) Naphthalene-d8	10.46	136	195268	5.00	ng		0.00
13) Acenaphthene-d10	14.33	164	86531	5.00	ng		0.00
19) Phenanthrene-d10	17.06	188	210886	5.00	ng		0.00
26) Chrysene-d12	21.27	240	159263	5.00	ng		0.00
35) Perylene-d12	23.52	264	147821	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.27	112	9562	0.93	ng		0.00
5) Phenol-d6	6.85	99	11414	0.91	ng		0.00
8) Nitrobenzene-d5	8.84	82	8236	0.86	ng		0.00
14) 2,4,6-Tribromophenol	15.82	330	1555	0.82	ng		0.00
15) 2-Fluorobiphenyl	12.94	172	27111	0.97	ng		0.00
29) Terphenyl-d14	19.72	244	20328	0.79	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.17	88	4619	1.05	ng		98
3) n-Nitrosodimethylamine	3.49	42	4403	0.85	ng		98
6) bis(2-Chloroethyl)ether	7.11	93	10880	0.95	ng		98
9) Nitrobenzene	8.87	77	9413	0.91	ng		99
10) Naphthalene	10.49	128	41068	0.96	ng		99
11) Hexachlorobutadiene	10.79	225	6313	0.97	ng		99
12) 2-Methylnaphthalene	12.13	142	24794	0.86	ng		98
16) Acenaphthylene	14.04	152	33405	0.93	ng		99
17) Acenaphthene	14.37	154	24688	0.98	ng		92
18) Fluorene	15.37	166	28524	0.95	ng		96
20) 4-Bromophenyl-phenylether	16.27	248	5886	0.90	ng	#	56
21) Hexachlorobenzene	16.40	284	6200	0.89	ng	#	48
22) Pentachlorophenol	16.73	266	1195	0.82	ng	#	78
23) Phenanthrene	17.11	178	40155	0.98	ng		99
24) Anthracene	17.19	178	36871	0.87	ng		97
25) Fluoranthene	19.14	202	43033	0.92	ng		99
27) Benzidine	19.33	184	15123	1.20	ng		95
28) Pyrene	19.50	202	45172	0.79	ng		99
30) Benzo(a)anthracene	21.31	228	84645	1.87	ng	#	88
31) 3,3'-Dichlorobenzidine	21.21	252	9680	0.89	ng		96
32) Chrysene	21.31	228	85067	1.81	ng		96
33) Bis(2-ethylhexyl)phthalate	21.19	149	13900	0.82	ng	#	94
34) Indeno(1,2,3-cd)pyrene	25.77	276	41050	1.22	ng		99
36) Benzo(b)fluoranthene	22.84	252	38865	0.86	ng		97
37) Benzo(k)fluoranthene	22.88	252	39414	0.90	ng		97
38) Benzo(a)pyrene	23.41	252	35026	0.91	ng		97
39) Dibenzo(a,h)anthracene	25.78	278	33165	1.01	ng		100
40) Benzo(g,h,i)perylene	26.46	276	35652	1.03	ng		98

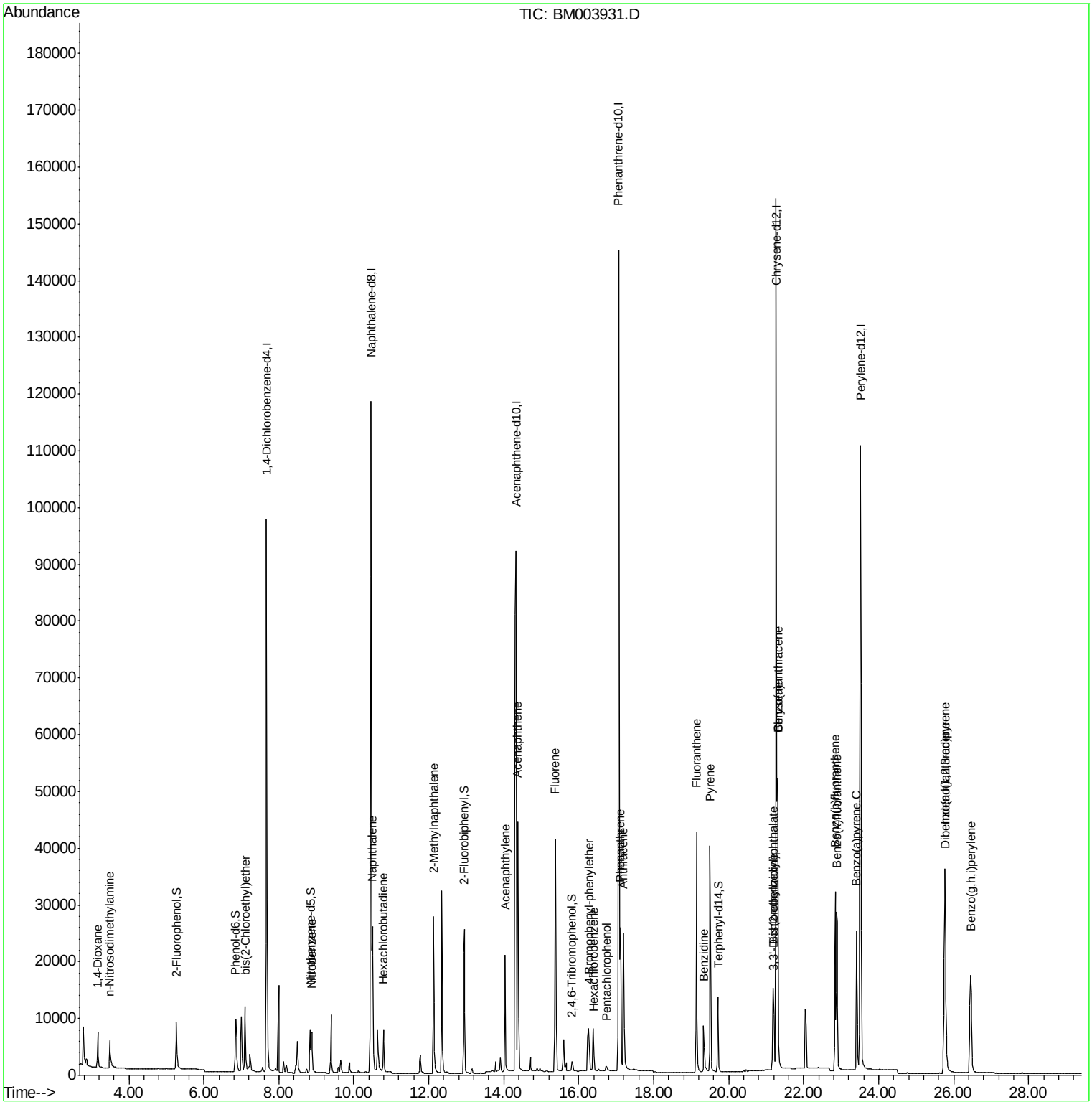
(#) = qualifier out of range (m) = manual integration (+) = signals summed

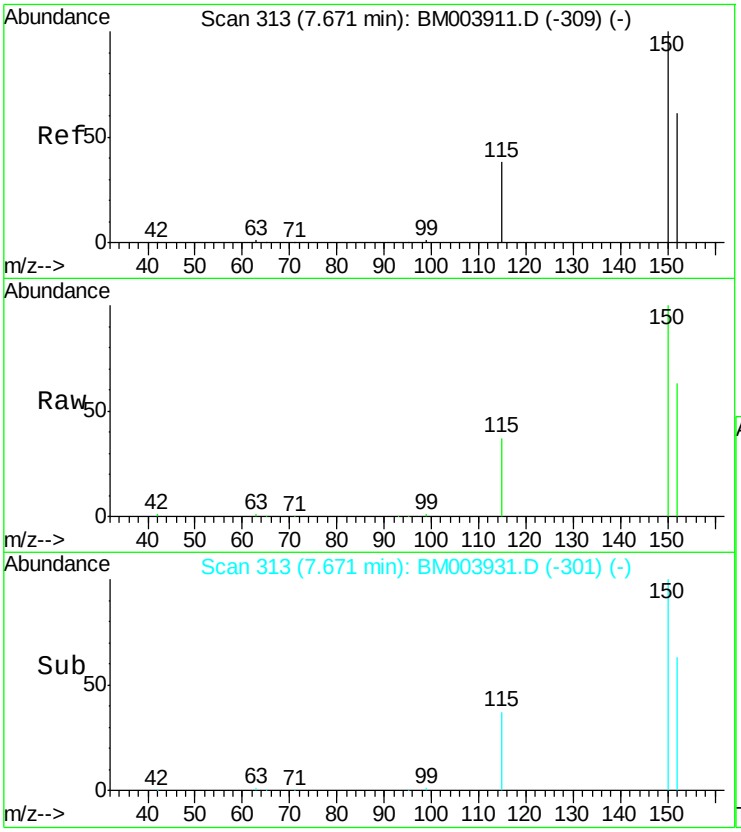
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM010916\
Data File : BM003931.D
Acq On : 10 Jan 2016 09:28
Operator : SJ/UM
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Jan 11 00:42:57 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



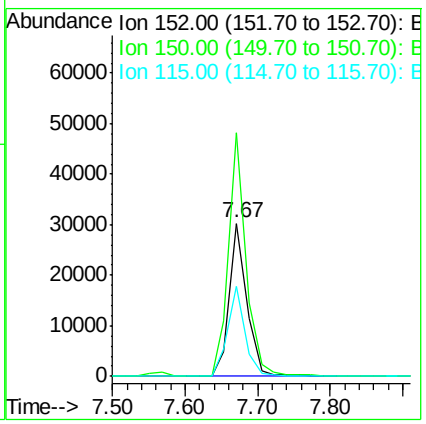


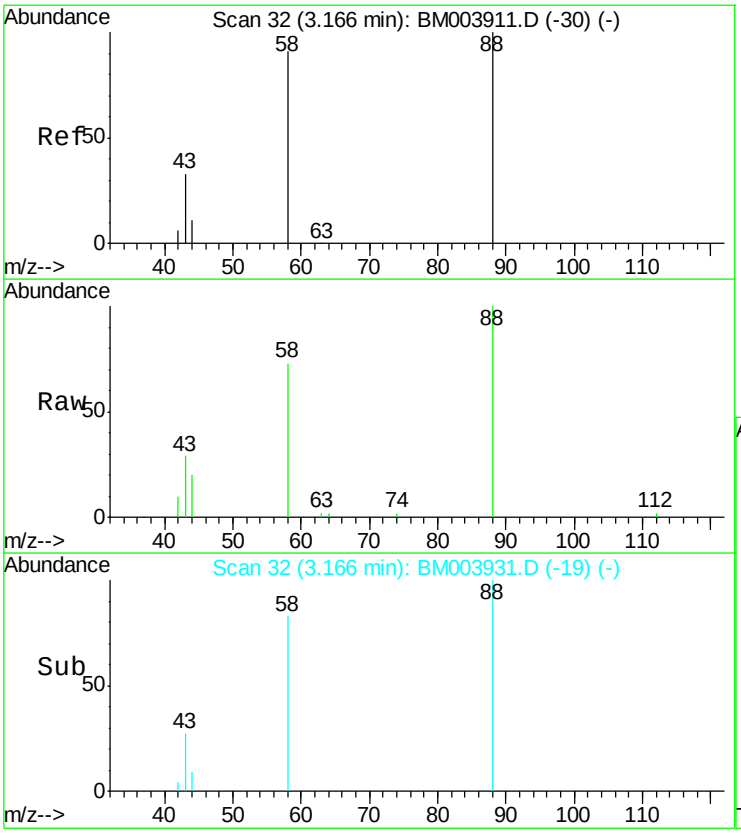
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.67 min Scan# 313
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:152 Resp: 50200

Ion	Ratio	Lower	Upper
152	100		
150	159.0	122.9	184.3
115	59.0	44.4	66.6

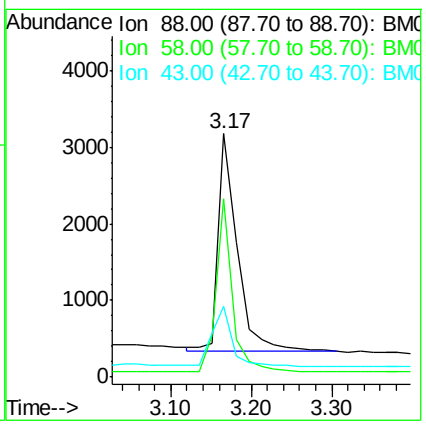


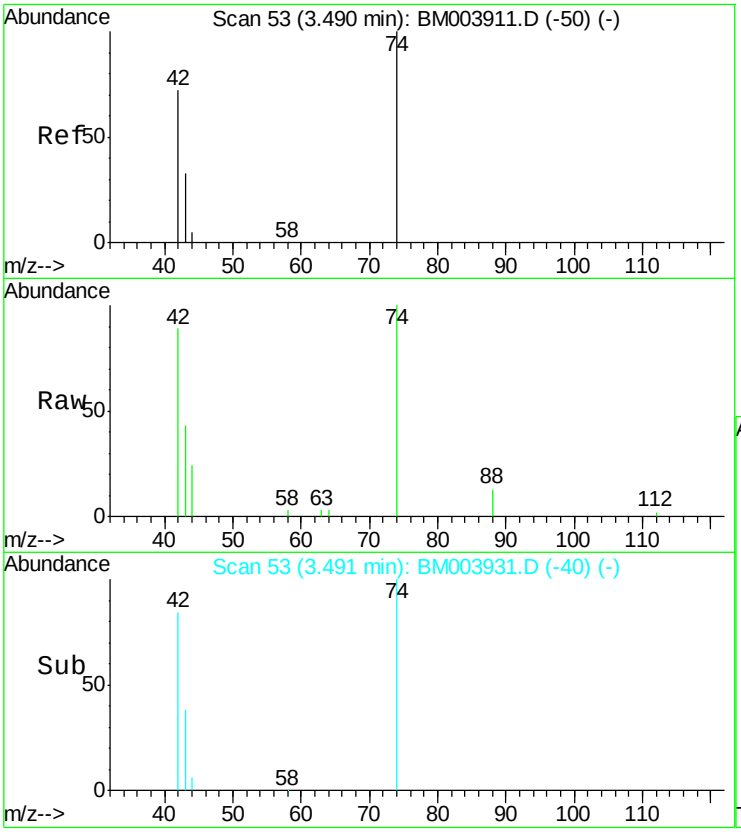


#2
1,4-Dioxane
Concen: 1.05 ng
RT: 3.17 min Scan# 32
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Tgt Ion: 88 Resp: 4619

Ion	Ratio	Lower	Upper
88	100		
58	69.5	53.8	80.6
43	29.8	23.8	35.6



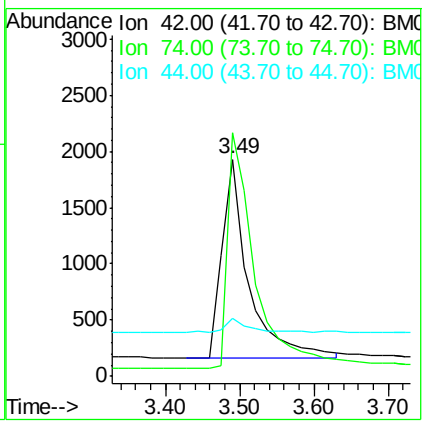


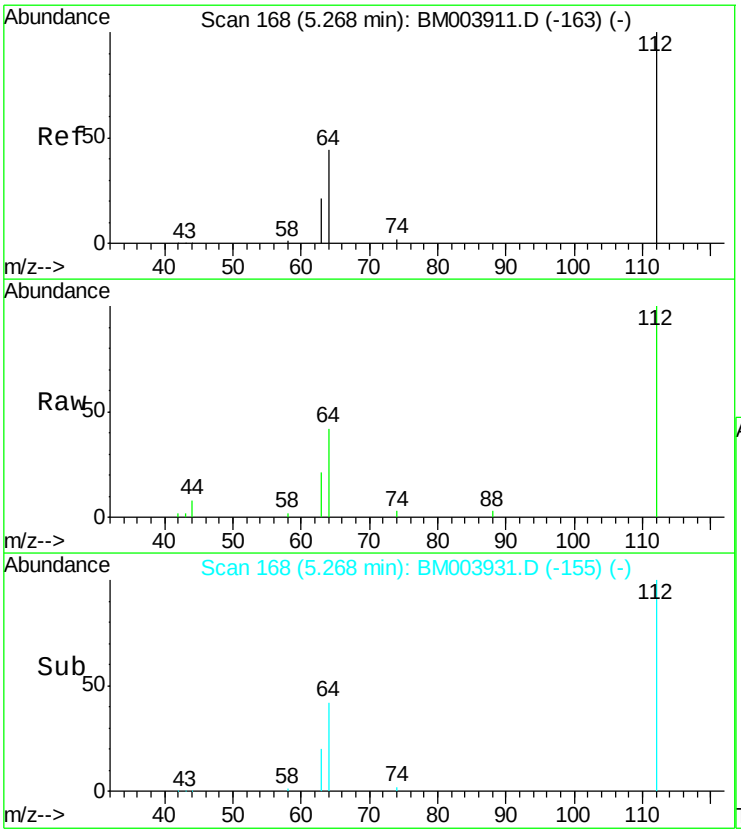
#3
n-Nitrosodimethylamine
Concen: 0.85 ng
RT: 3.49 min Scan# 53
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 42 Resp: 4403

Ion	Ratio	Lower	Upper
42	100		
74	121.0	95.0	142.4
44	6.8	5.1	7.7

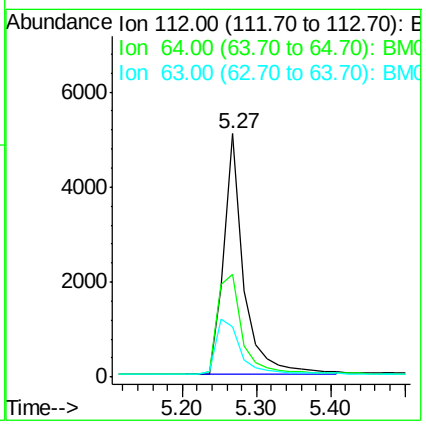


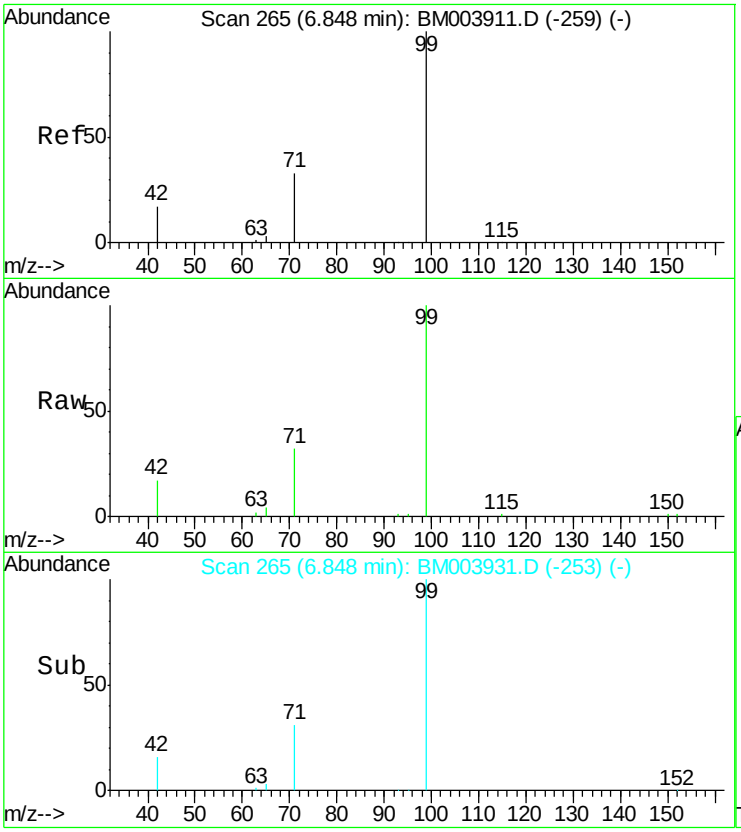


#4
2-Fluorophenol
Concen: 0.93 ng
RT: 5.27 min Scan# 168
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Tgt Ion:112 Resp: 9562

Ion	Ratio	Lower	Upper
112	100		
64	52.6	41.8	62.8
63	28.0	22.1	33.1



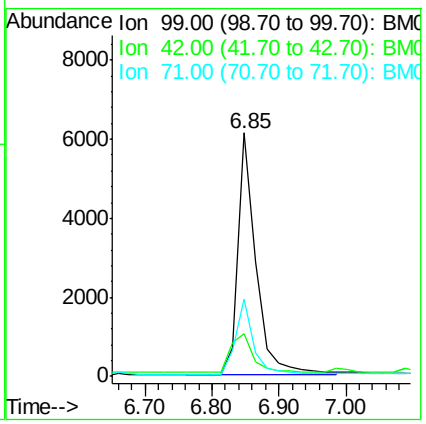


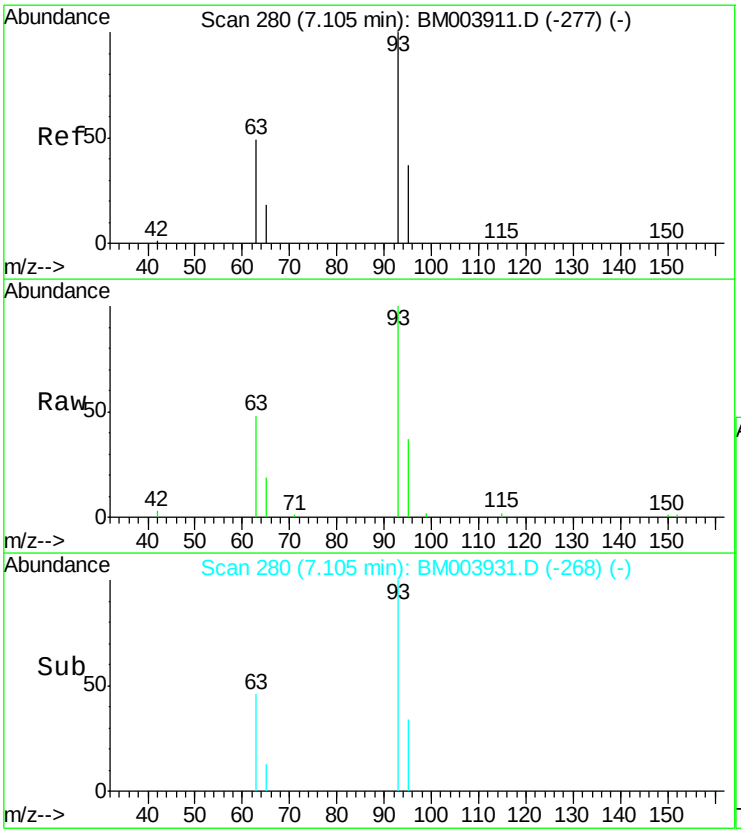
#5
Phenol-d6
Concen: 0.91 ng
RT: 6.85 min Scan# 265
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 99 Resp: 11414

Ion	Ratio	Lower	Upper
99	100		
42	20.1	16.2	24.2
71	30.8	24.4	36.6

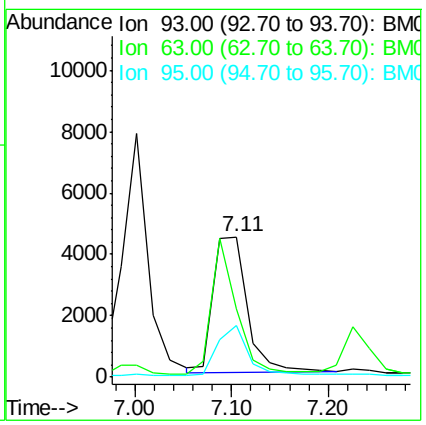


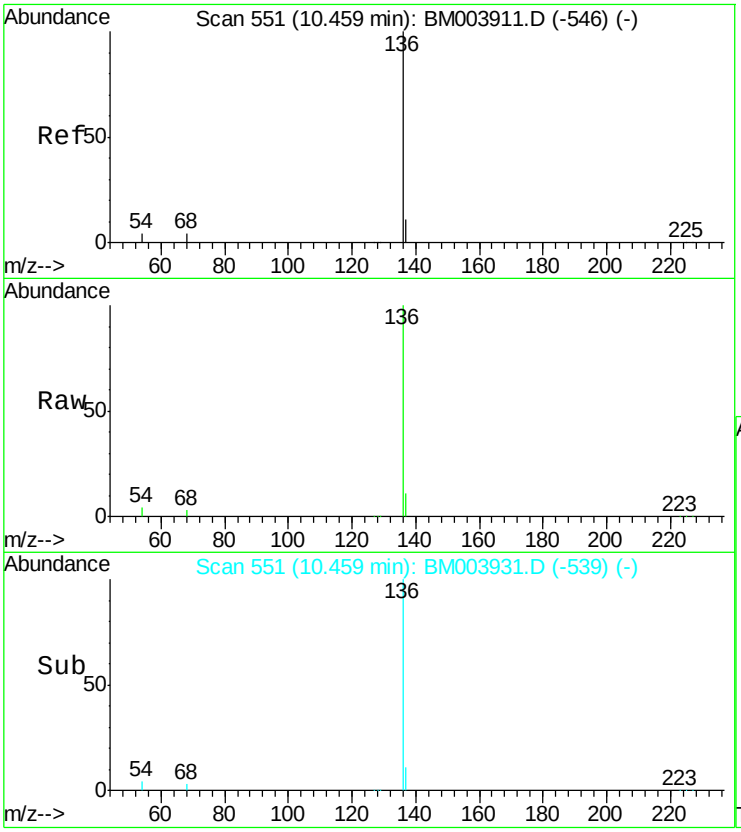


#6
bis(2-Chloroethyl)ether
Concen: 0.95 ng
RT: 7.11 min Scan# 280
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Tgt Ion: 93 Resp: 10880

Ion	Ratio	Lower	Upper
93	100		
63	74.0	58.3	87.5
95	33.5	25.8	38.8



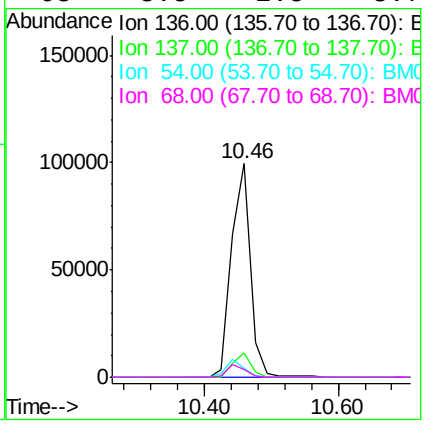


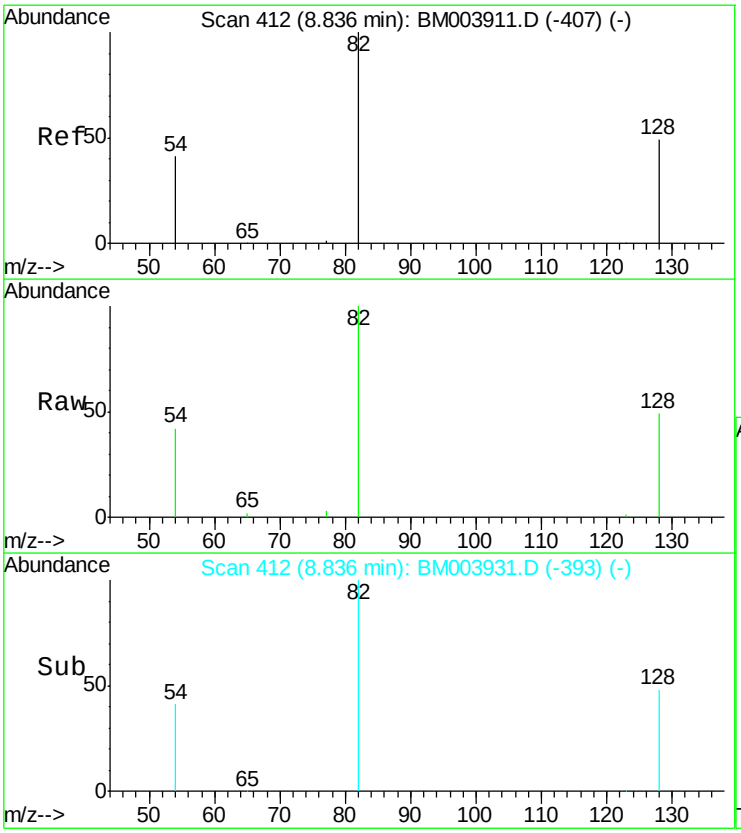
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.46 min Scan# 551
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:136 Resp: 195268

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	4.0	2.8	4.2
68	3.5	2.5	3.7

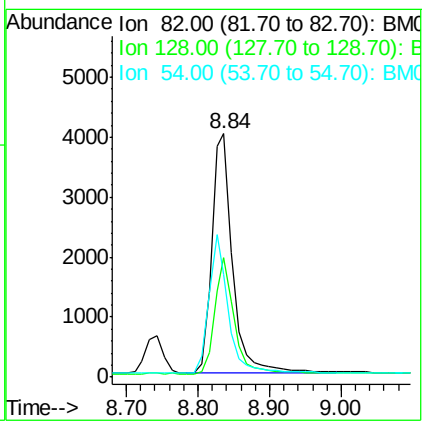


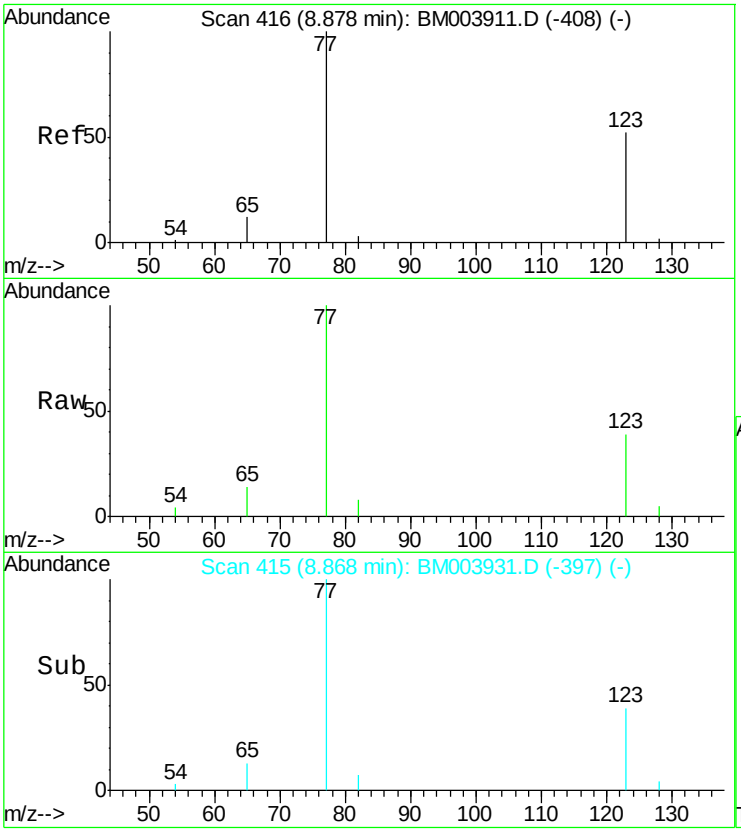


#8
Nitrobenzene-d5
Concen: 0.86 ng
RT: 8.84 min Scan# 412
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Tgt Ion: 82 Resp: 8236

Ion	Ratio	Lower	Upper
82	100		
128	49.1	39.1	58.7
54	42.4	34.8	52.2



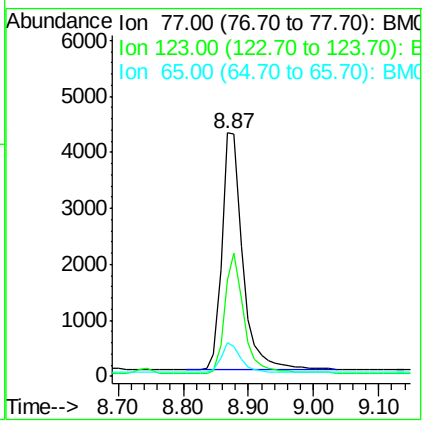


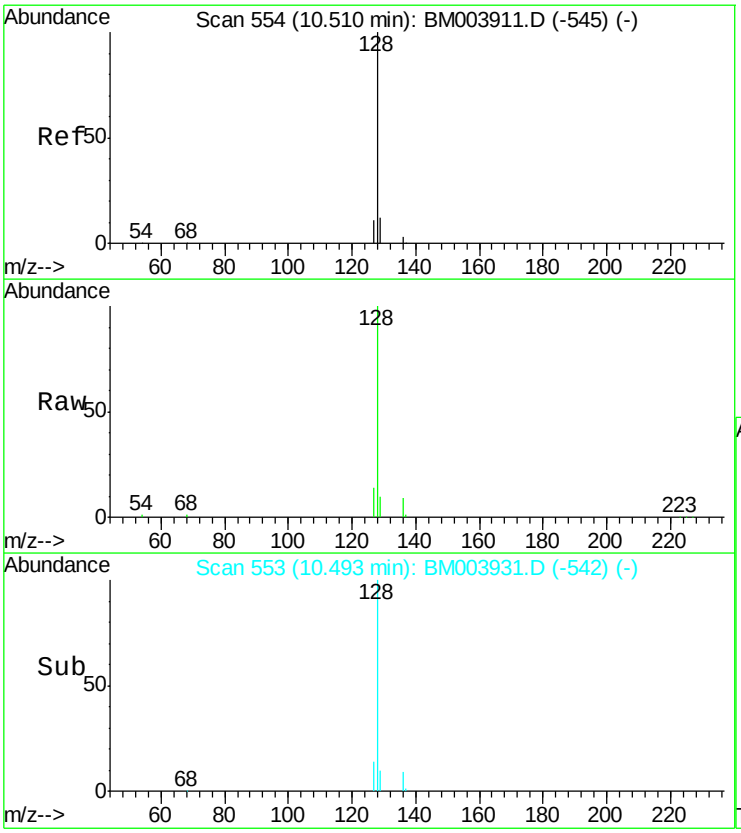
#9
Nitrobenzene
Concen: 0.91 ng
RT: 8.87 min Scan# 415
Delta R.T. -0.01 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 77 Resp: 9413

Ion	Ratio	Lower	Upper
77	100		
123	47.1	38.6	57.8
65	12.3	9.9	14.9

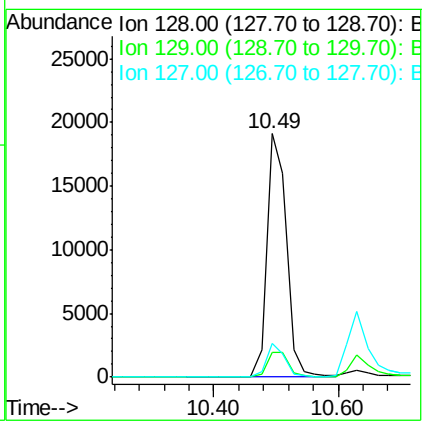


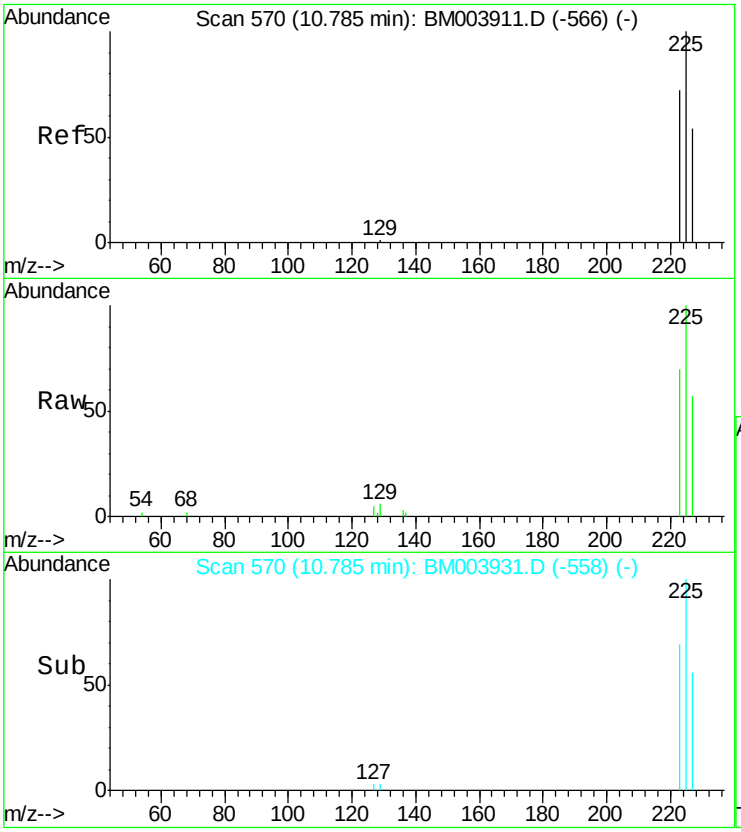


#10
Naphthalene
Concen: 0.96 ng
RT: 10.49 min Scan# 553
Delta R.T. -0.02 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Tgt Ion:128 Resp: 41068

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.5	12.7
127	14.1	11.0	16.4



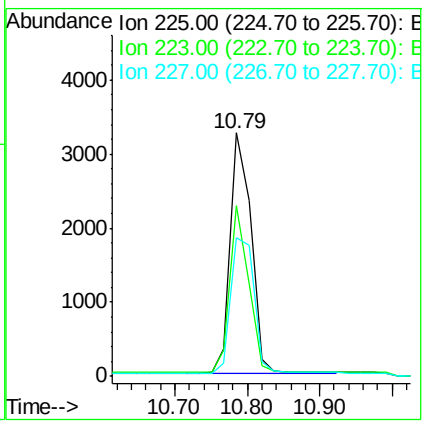


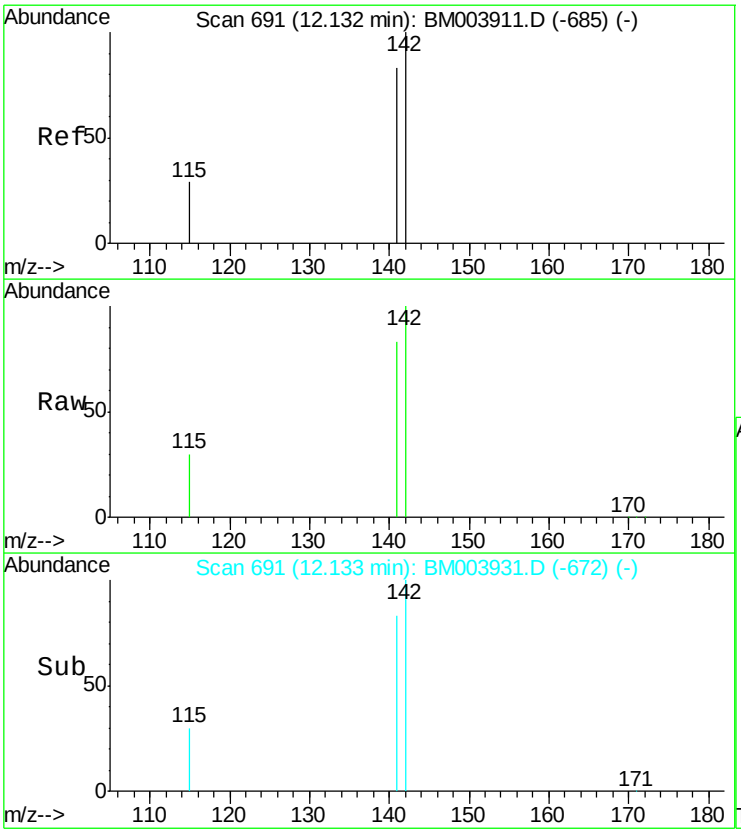
#11
Hexachlorobutadiene
Concen: 0.97 ng
RT: 10.79 min Scan# 570
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:225 Resp: 6313

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.9	76.3
227	63.3	51.2	76.8

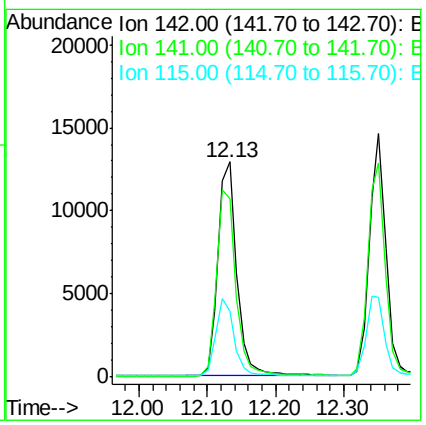


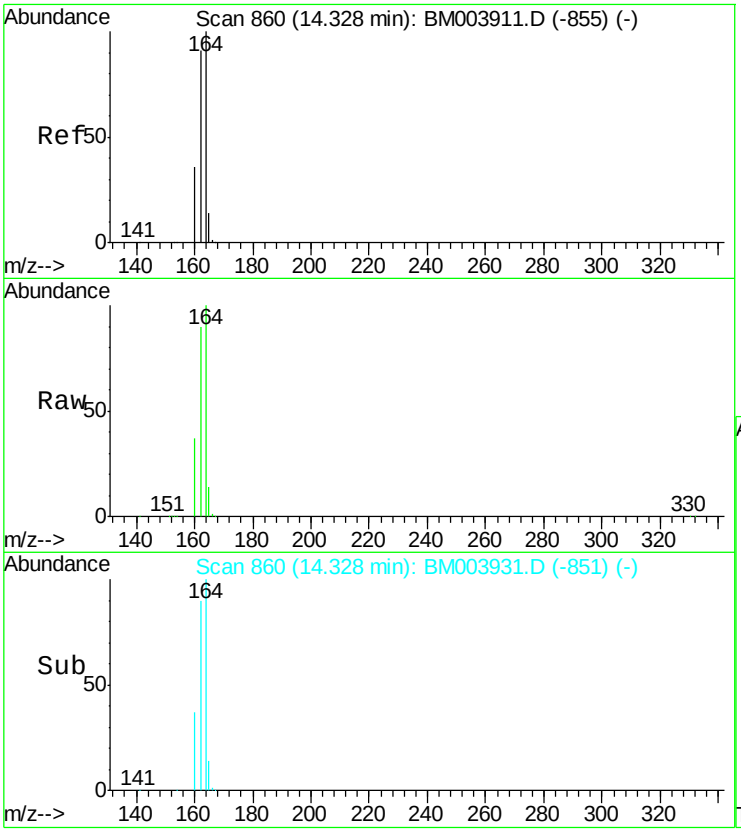


#12
2-Methylnaphthalene
Concen: 0.86 ng
RT: 12.13 min Scan# 691
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Tgt Ion:142 Resp: 24794

Ion	Ratio	Lower	Upper
142	100		
141	82.9	67.8	101.8
115	30.3	25.3	37.9



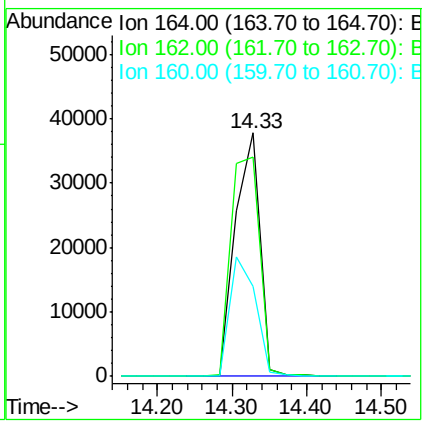


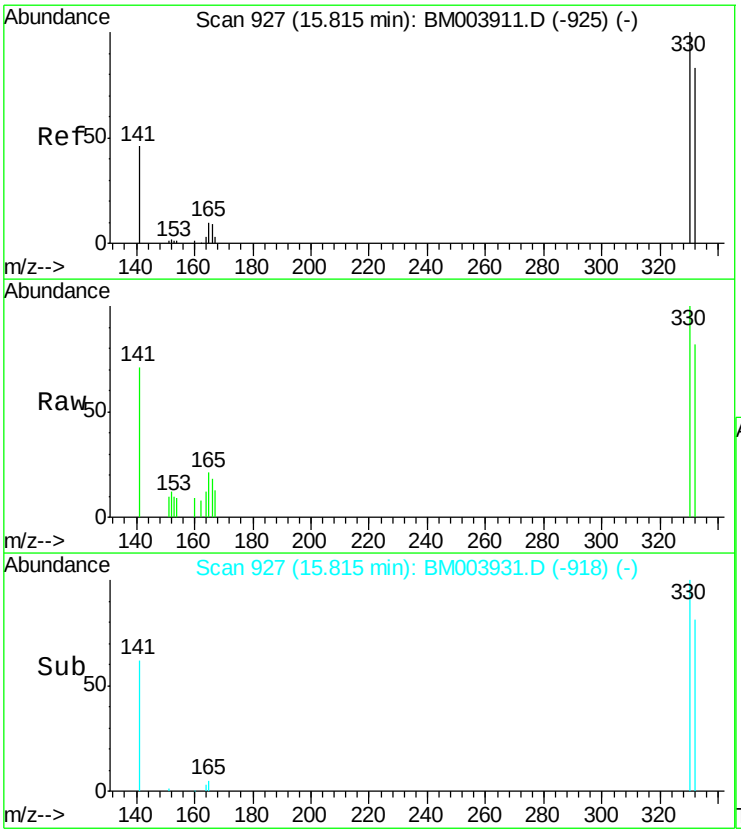
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.33 min Scan# 860
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:164 Resp: 86531

Ion	Ratio	Lower	Upper
164	100		
162	90.3	86.0	129.0
160	37.1	40.3	60.5#

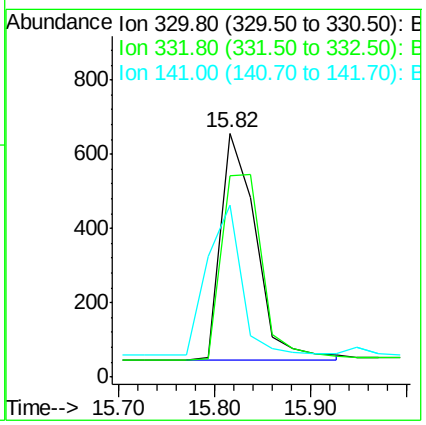


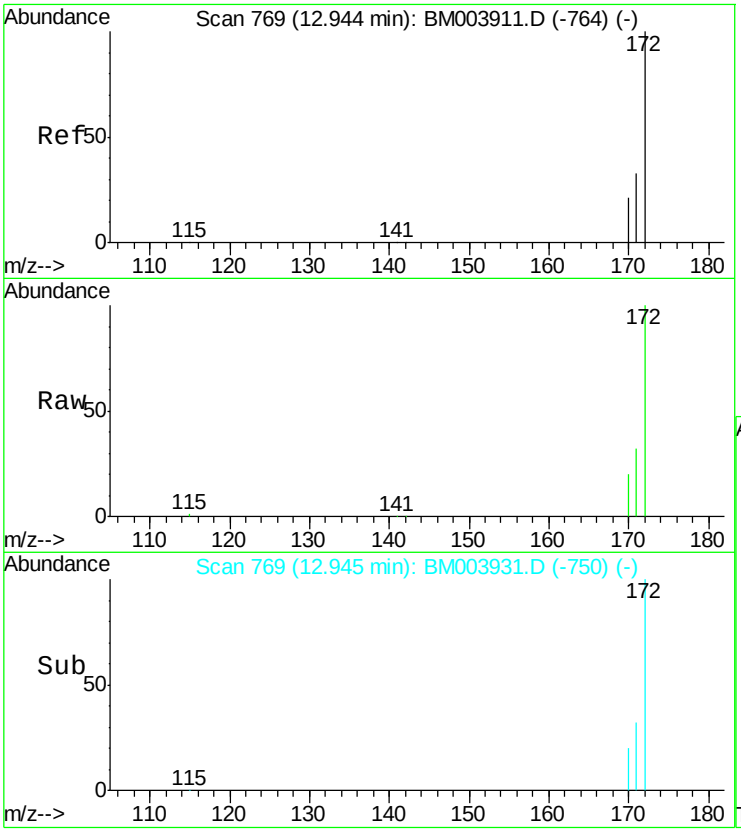


#14
2,4,6-Tribromophenol
Concen: 0.82 ng
RT: 15.82 min Scan# 927
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Tgt Ion:330 Resp: 1555

Ion	Ratio	Lower	Upper
330	100		
332	0.0	79.0	118.4#
141	65.7	0.0	0.0#



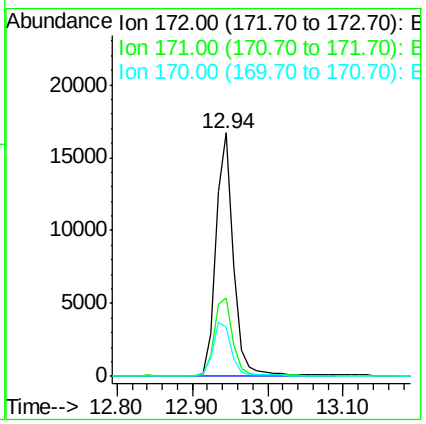


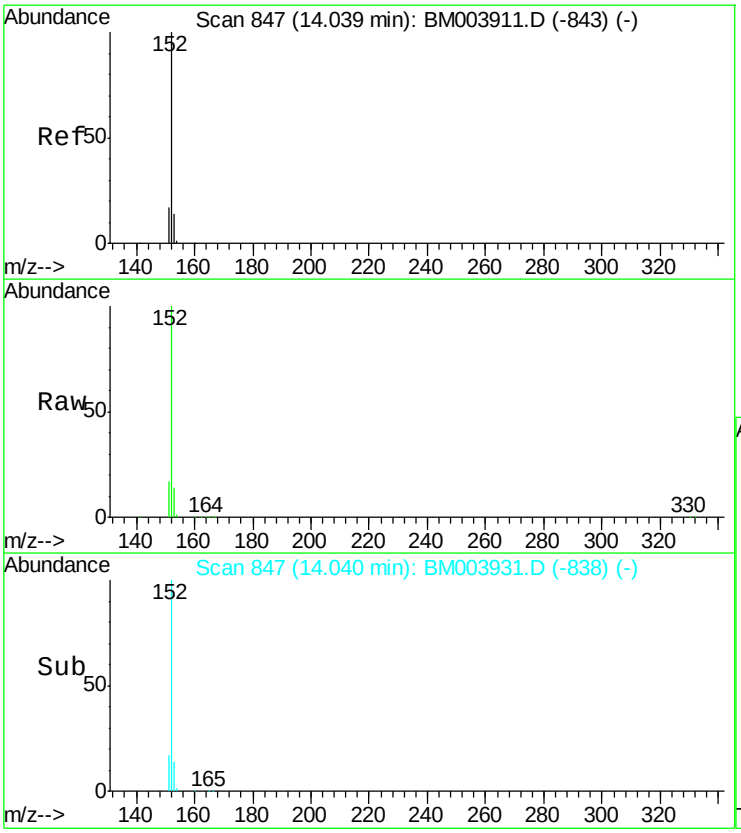
#15
2-Fluorobiphenyl
Concen: 0.97 ng
RT: 12.94 min Scan# 769
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:172 Resp: 27111

Ion	Ratio	Lower	Upper
172	100		
171	32.4	27.0	40.6
170	20.4	17.9	26.9

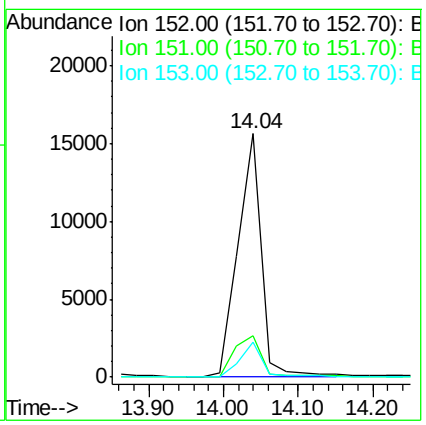


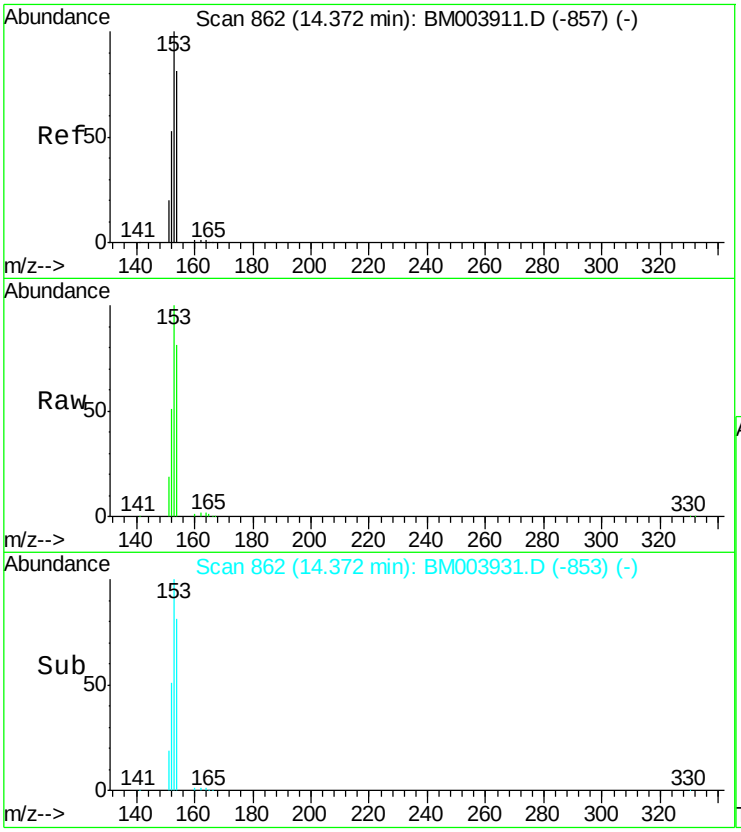


#16
Acenaphthylene
Concen: 0.93 ng
RT: 14.04 min Scan# 847
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Tgt Ion:152 Resp: 33405

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.8	23.8
153	13.0	10.2	15.4



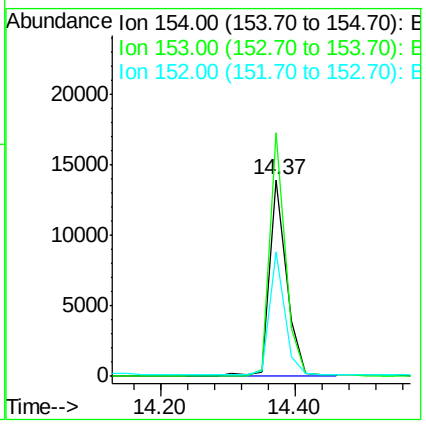


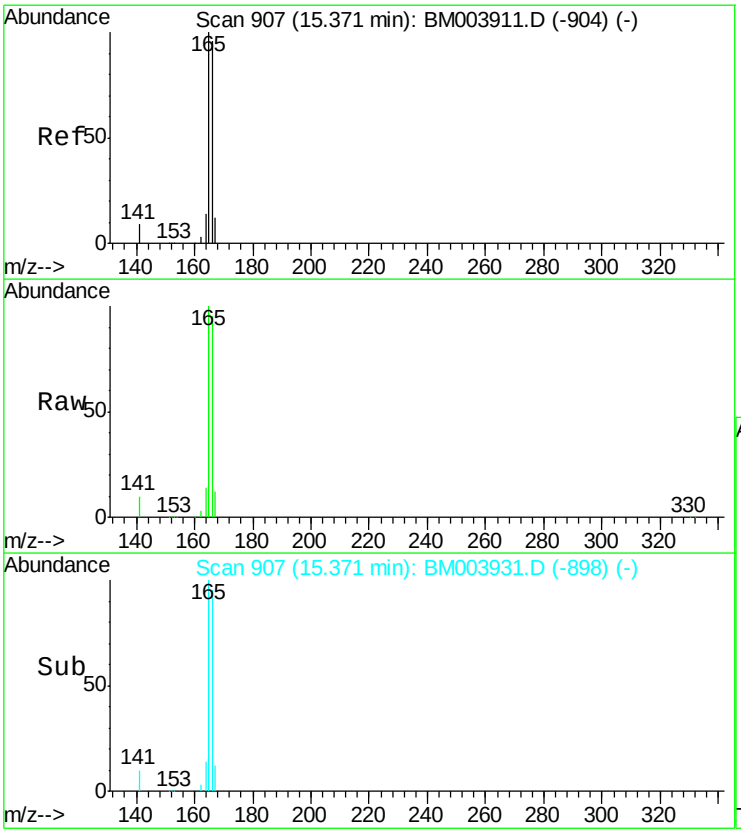
#17
Acenaphthene
Concen: 0.98 ng
RT: 14.37 min Scan# 862
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:154 Resp: 24688

Ion	Ratio	Lower	Upper
154	100		
153	114.8	85.4	128.2
152	56.5	40.6	60.8

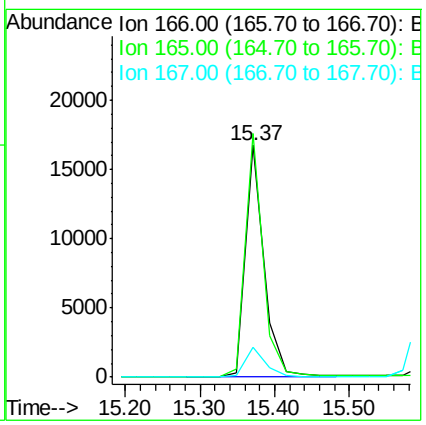


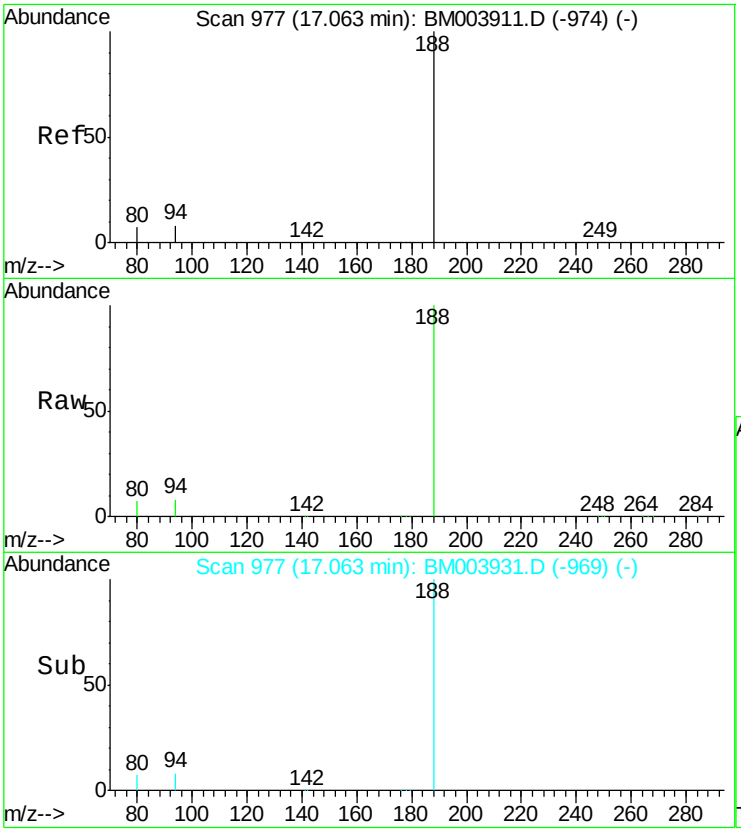


#18
Fluorene
Concen: 0.95 ng
RT: 15.37 min Scan# 907
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Tgt Ion:166 Resp: 28524

Ion	Ratio	Lower	Upper
166	100		
165	100.3	77.2	115.8
167	13.1	11.0	16.6



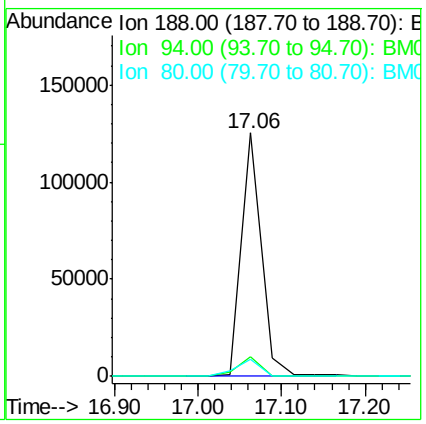


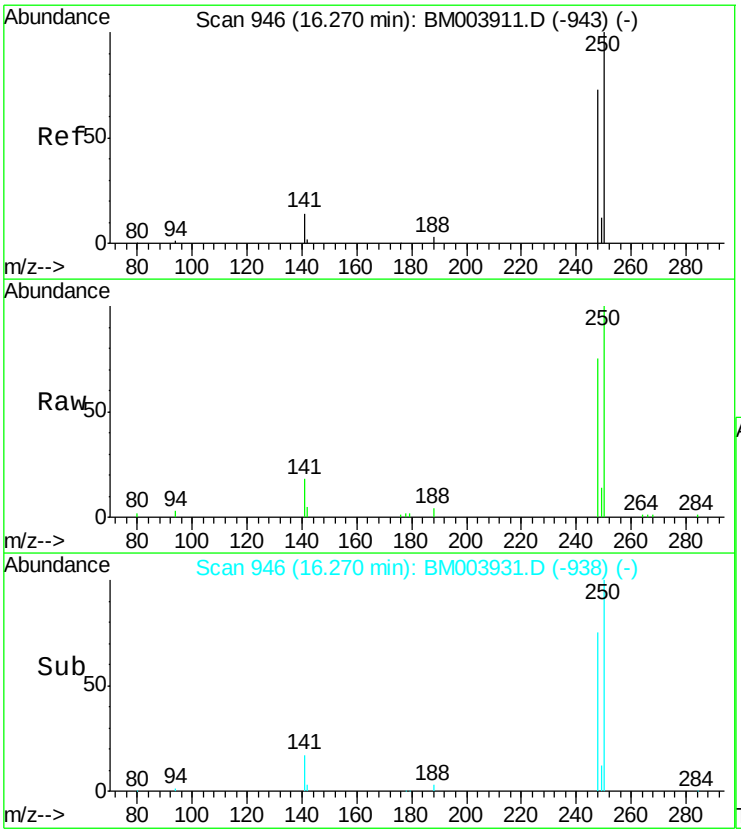
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 977
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:188 Resp: 210886

Ion	Ratio	Lower	Upper
188	100		
94	7.9	20.3	30.5#
80	7.2	22.2	33.4#

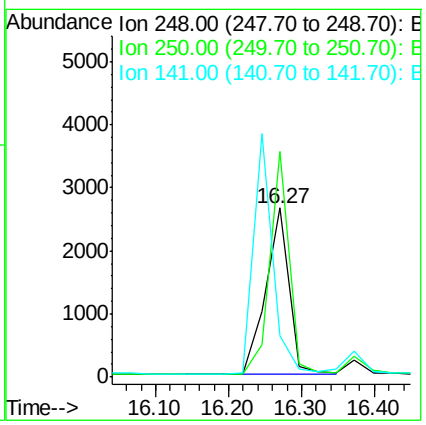


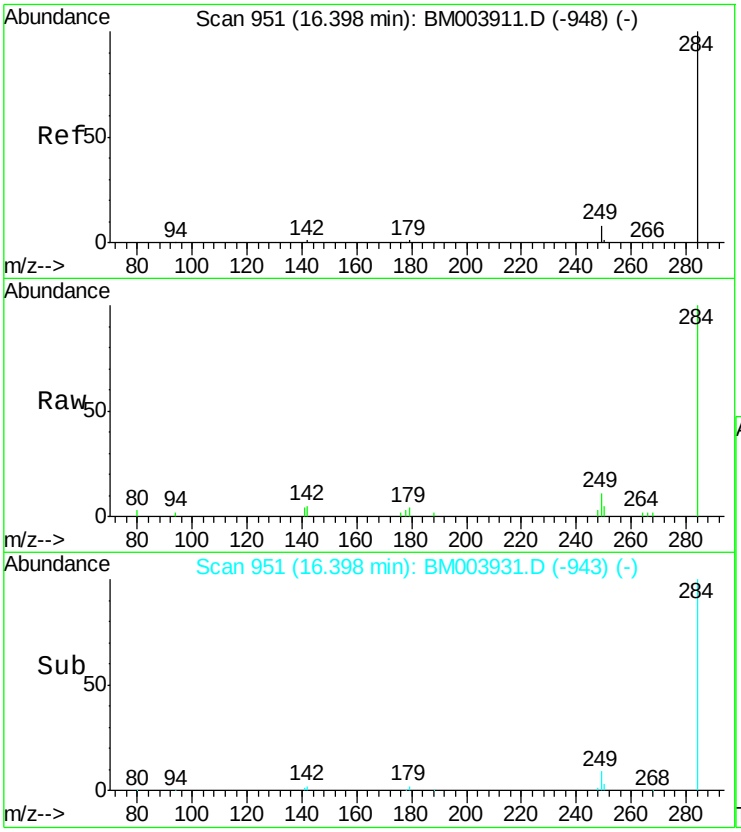


#20
4-Bromophenyl-phenylether
Concen: 0.90 ng
RT: 16.27 min Scan# 946
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Tgt Ion:248 Resp: 5886

Ion	Ratio	Lower	Upper
248	100		
250	109.8	75.0	112.4
141	0.0	53.0	79.4#



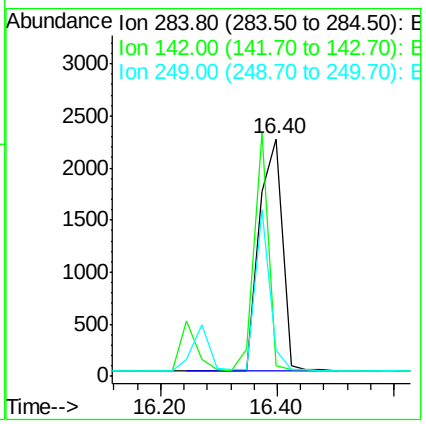


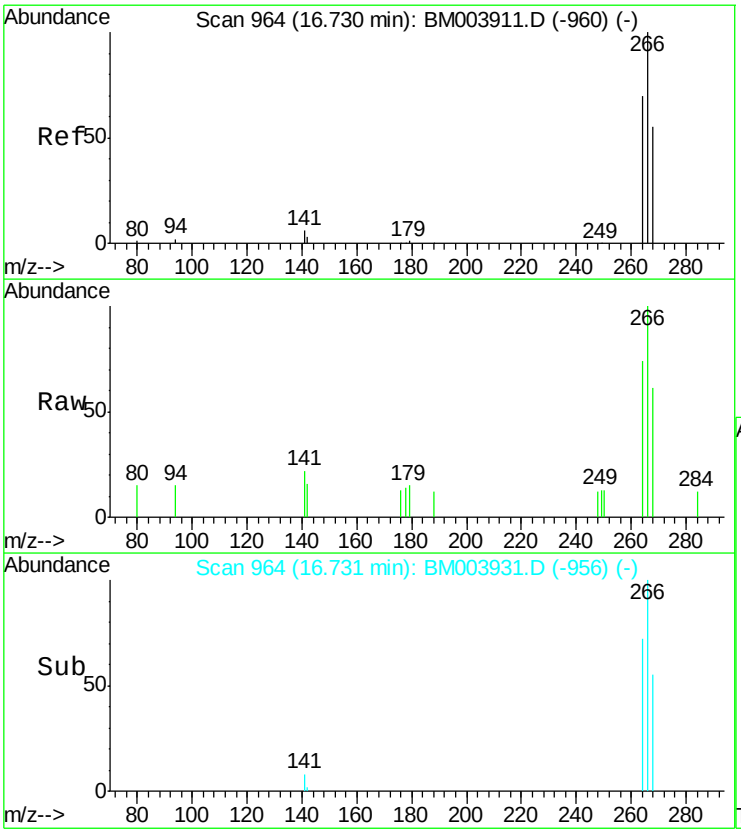
#21
Hexachlorobenzene
Concen: 0.89 ng
RT: 16.40 min Scan# 951
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:284 Resp: 6200

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

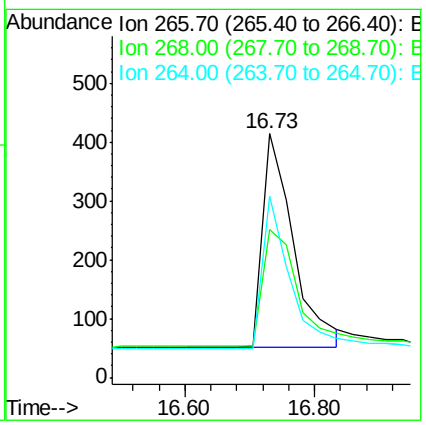


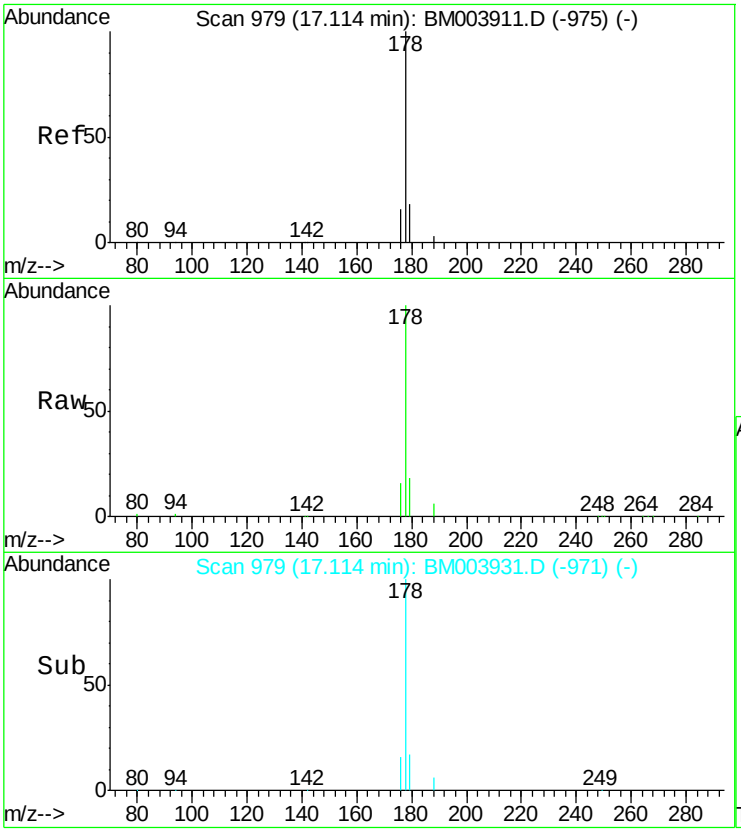


#22
Pentachlorophenol
Concen: 0.82 ng
RT: 16.73 min Scan# 964
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Tgt Ion:266 Resp: 1195

Ion	Ratio	Lower	Upper
266	100		
268	60.6	62.7	94.1#
264	74.4	45.7	68.5#



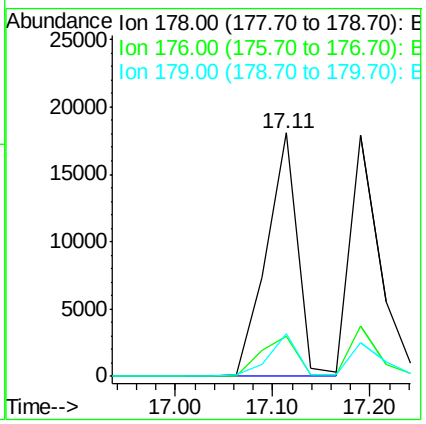


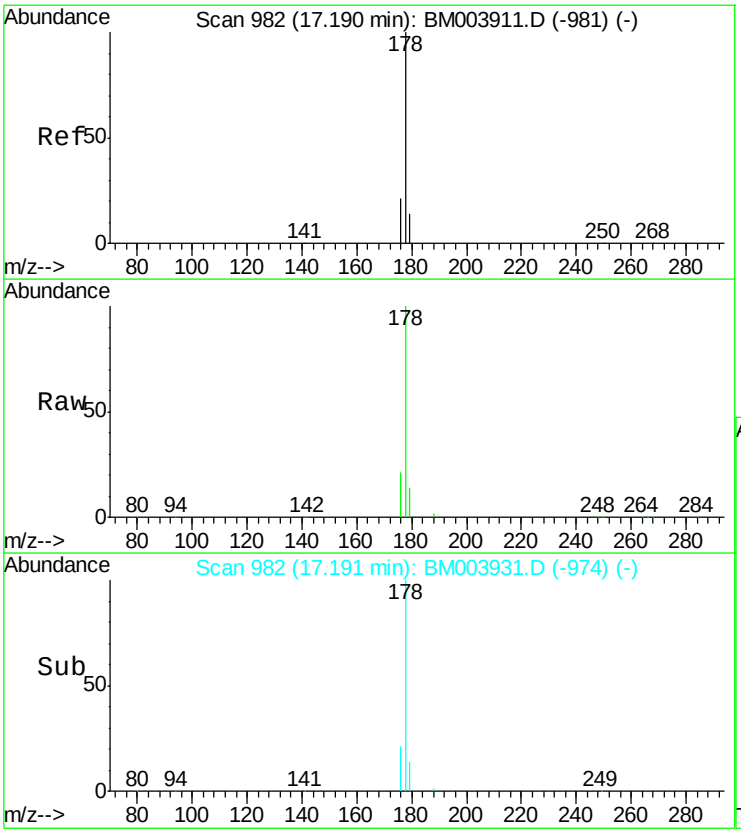
#23
Phenanthrene
Concen: 0.98 ng
RT: 17.11 min Scan# 979
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:178 Resp: 40155

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	16.1	12.2	18.4

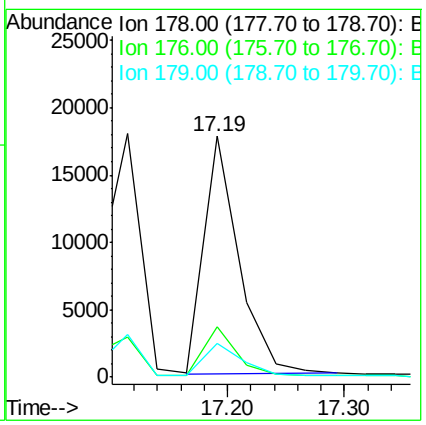


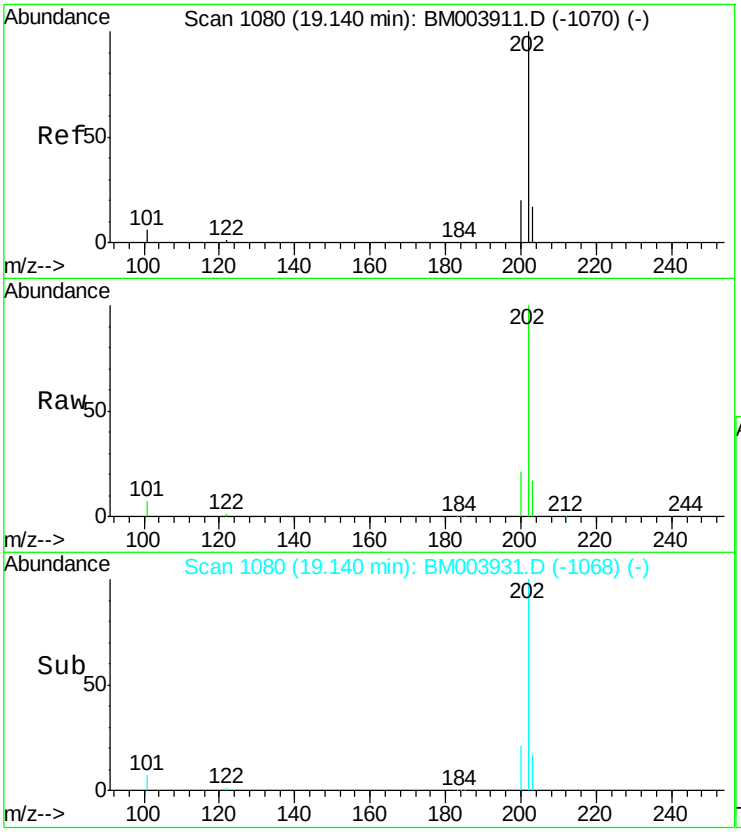


#24
Anthracene
Concen: 0.87 ng
RT: 17.19 min Scan# 982
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Tgt Ion:178 Resp: 36871

Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.6	21.8
179	14.7	12.6	19.0



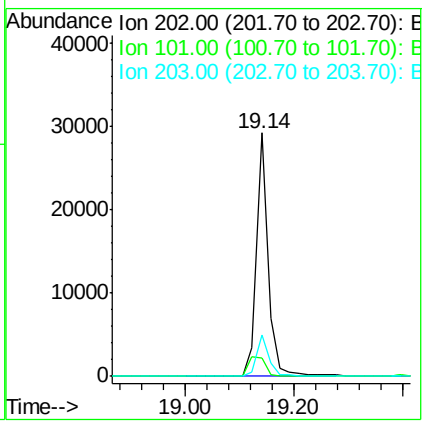


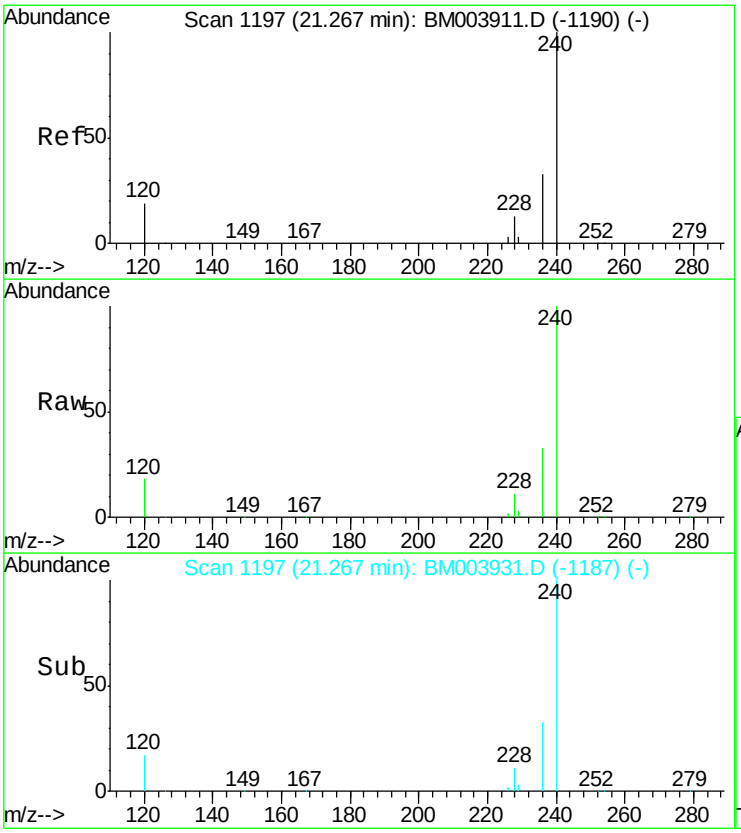
#25
Fluoranthene
Concen: 0.92 ng
RT: 19.14 min Scan# 1080
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:202 Resp: 43033

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.7	14.5
203	17.2	13.8	20.8

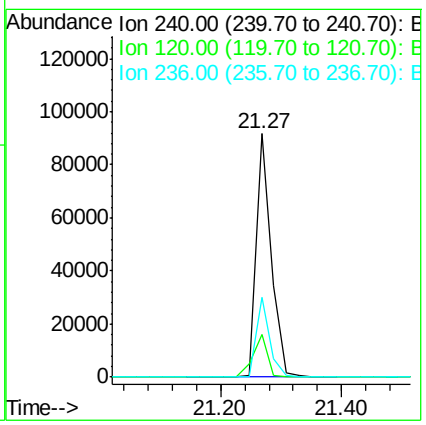


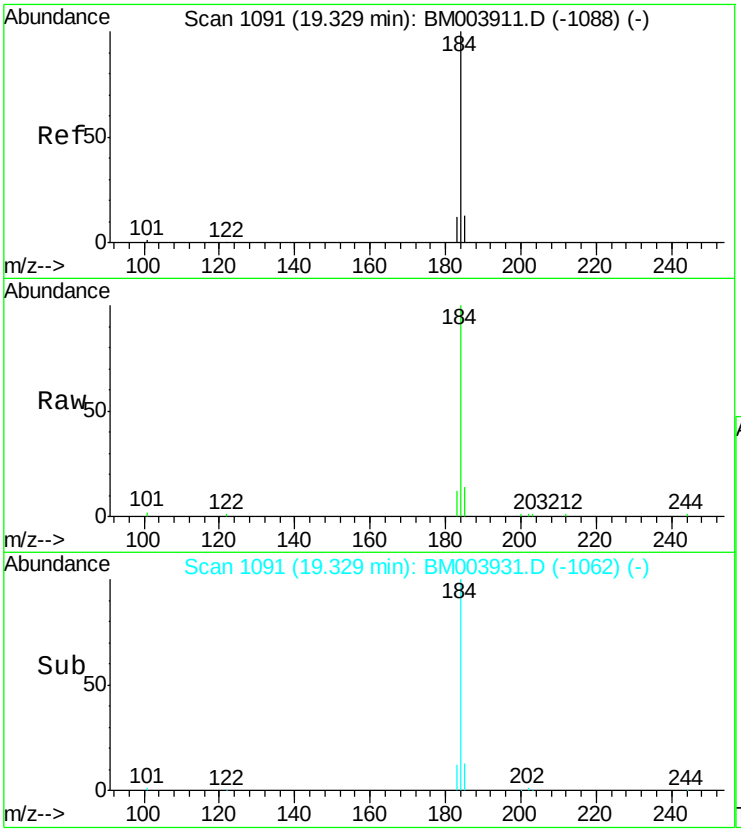


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.27 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Tgt Ion:240 Resp: 159263

Ion	Ratio	Lower	Upper
240	100		
120	17.6	0.9	1.3#
236	32.6	17.3	25.9#



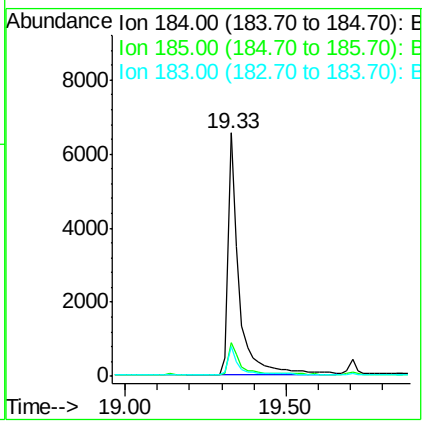


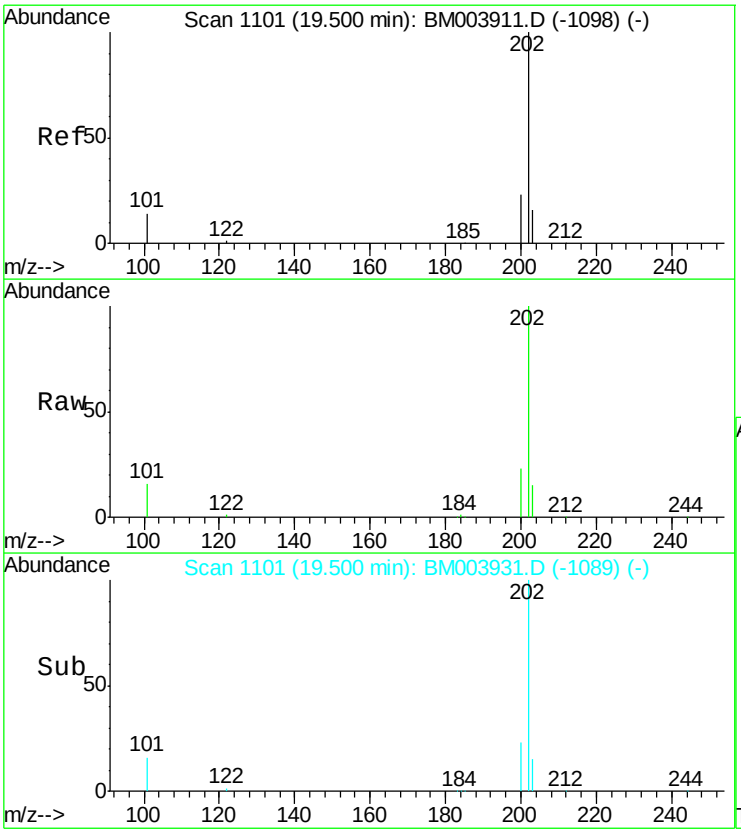
#27
Benzidine
Concen: 1.20 ng
RT: 19.33 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:184 Resp: 15123

Ion	Ratio	Lower	Upper
184	100		
185	13.8	13.2	19.8
183	12.2	9.0	13.6

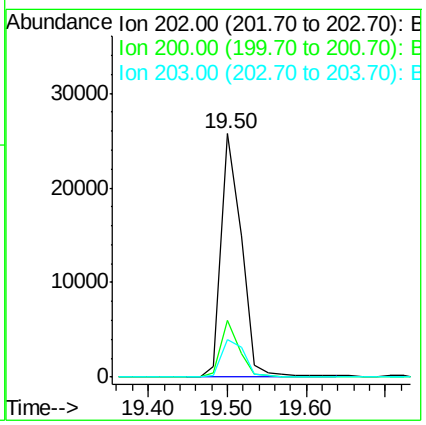


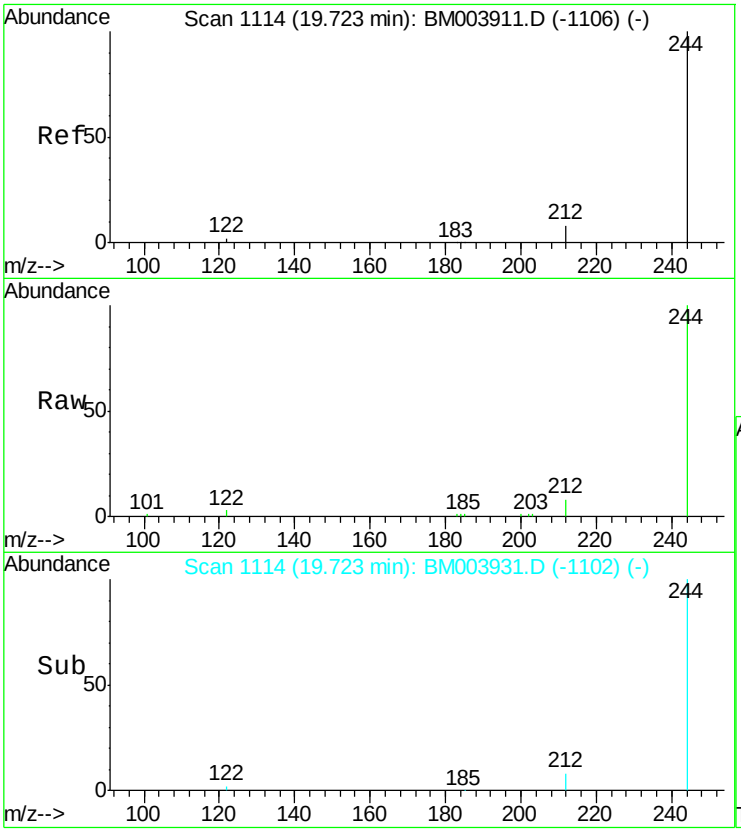


#28
Pyrene
Concen: 0.79 ng
RT: 19.50 min Scan# 1101
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Tgt Ion:202 Resp: 45172

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



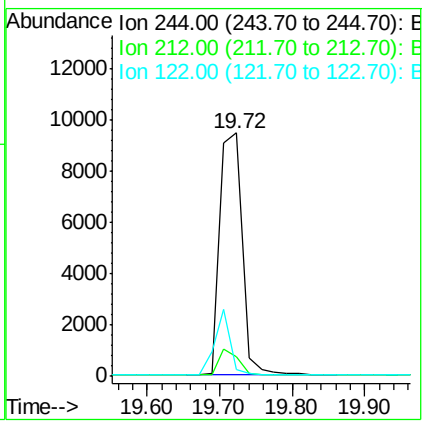


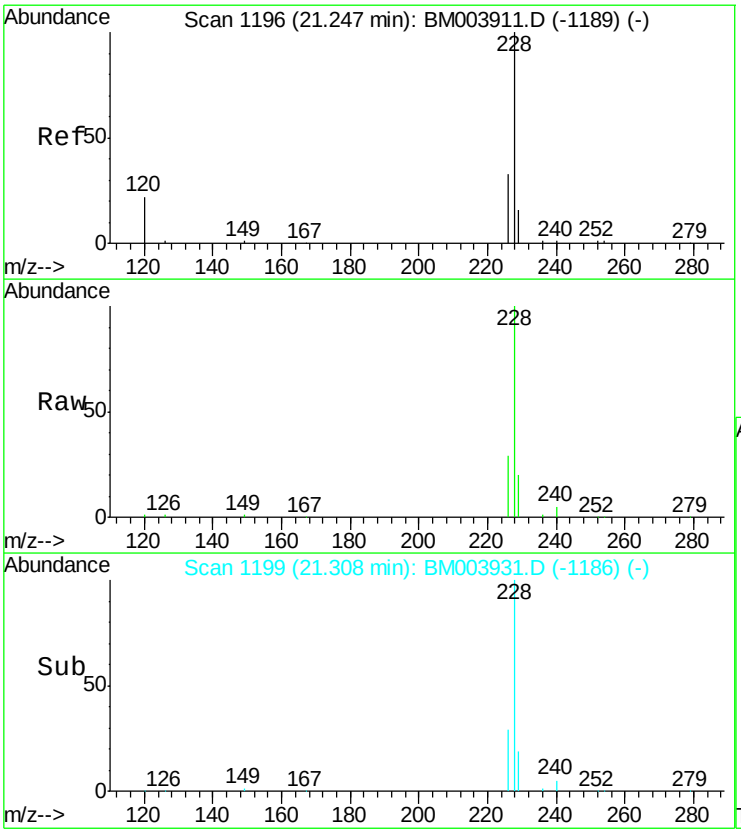
#29
Terphenyl-d14
Concen: 0.79 ng
RT: 19.72 min Scan# 1114
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:244 Resp: 20328

Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.0	10.6
122	2.8	3.0	4.6#

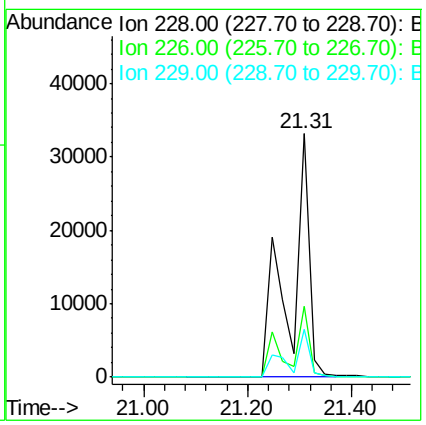


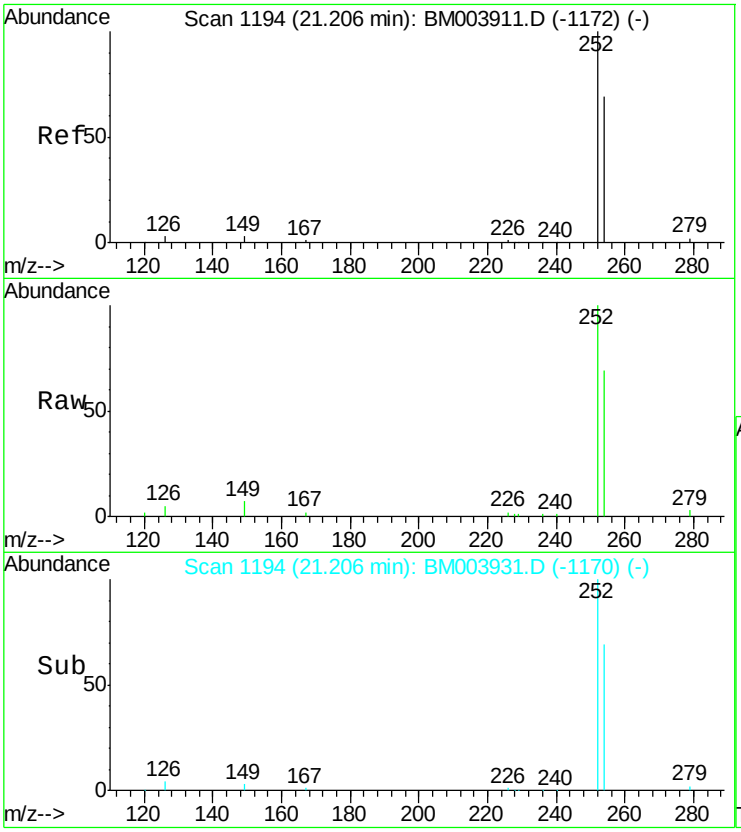


#30
Benzo(a)anthracene
Concen: 1.87 ng
RT: 21.31 min Scan# 1199
Delta R.T. 0.06 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Tgt Ion:228 Resp: 84645

Ion	Ratio	Lower	Upper
228	100		
226	28.9	17.2	25.8#
229	19.5	18.7	28.1



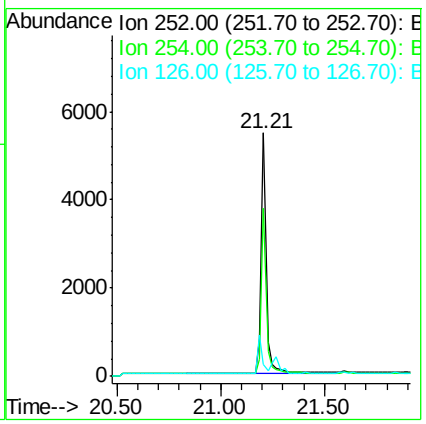


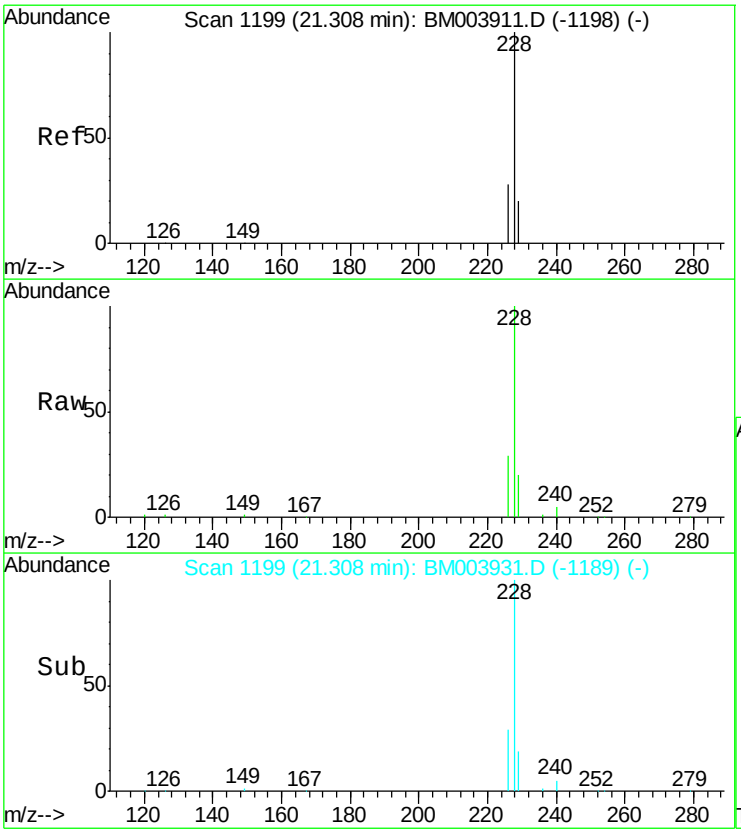
#31
3,3'-Dichlorobenzidine
Concen: 0.89 ng
RT: 21.21 min Scan# 1194
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 9680

Ion	Ratio	Lower	Upper
252	100		
254	68.9	52.6	79.0
126	5.0	3.7	5.5

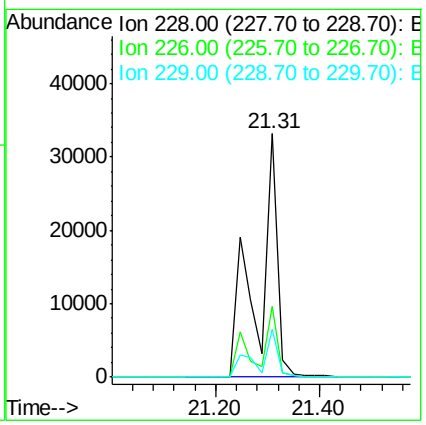


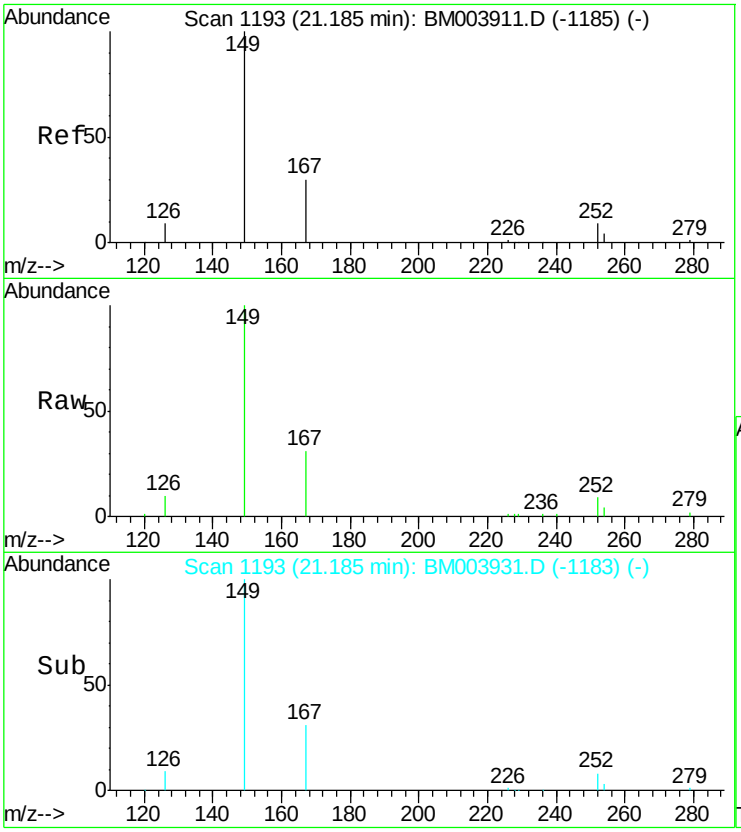


#32
Chrysene
Concen: 1.81 ng
RT: 21.31 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Tgt Ion:228 Resp: 85067

Ion	Ratio	Lower	Upper
228	100		
226	28.9	25.3	37.9
229	19.5	14.5	21.7



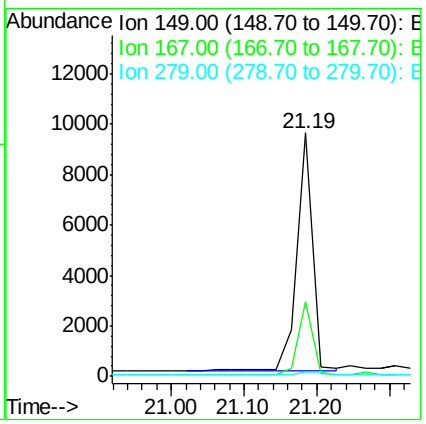


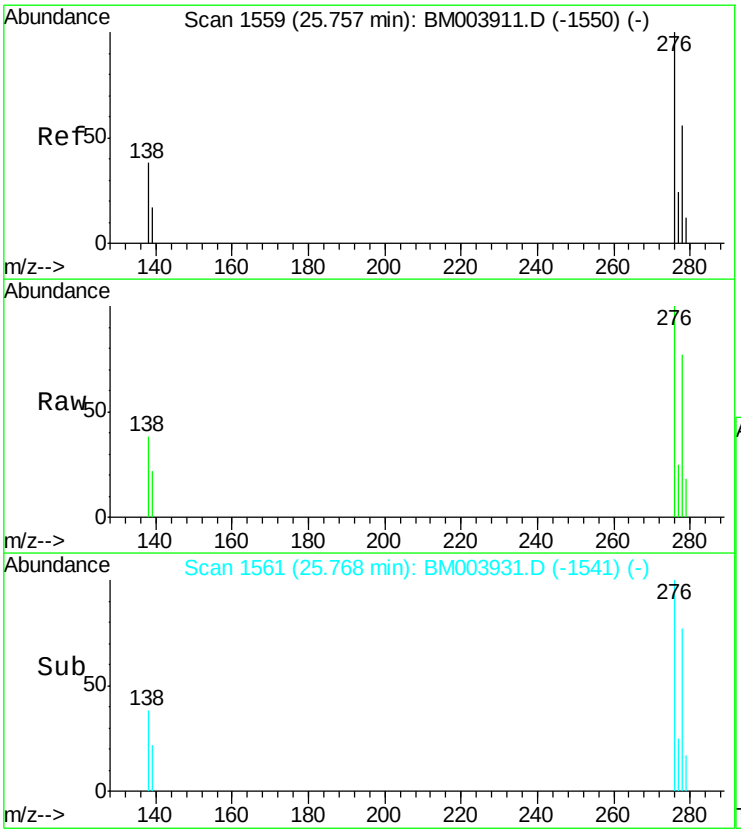
#33
Bis(2-ethylhexyl)phthalate
Concen: 0.82 ng
RT: 21.19 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:149 Resp: 13900

Ion	Ratio	Lower	Upper
149	100		
167	28.2	20.1	30.1
279	1.9	0.0	0.0#

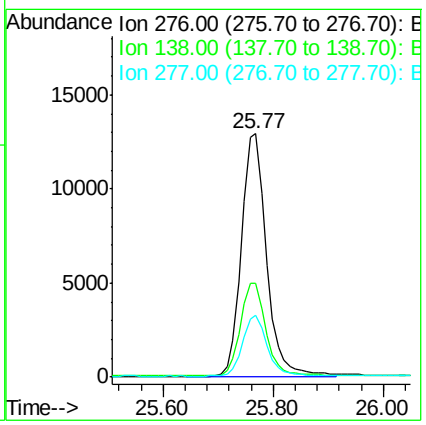


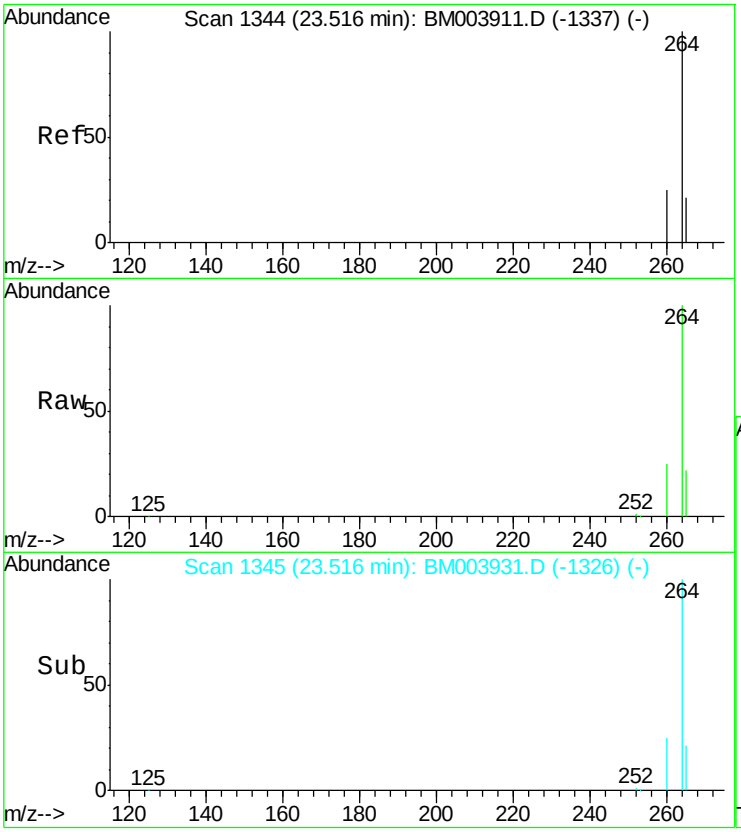


#34
Indeno(1,2,3-cd)pyrene
Concen: 1.22 ng
RT: 25.77 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Tgt Ion:276 Resp: 41050

Ion	Ratio	Lower	Upper
276	100		
138	39.0	30.2	45.2
277	24.7	19.8	29.8



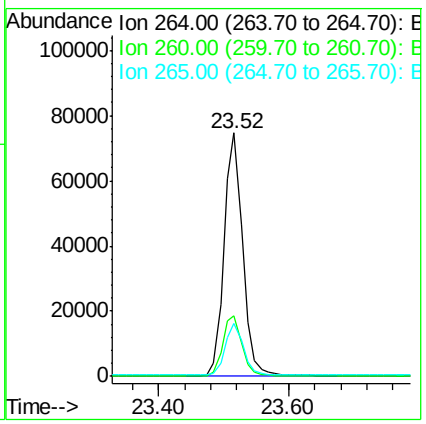


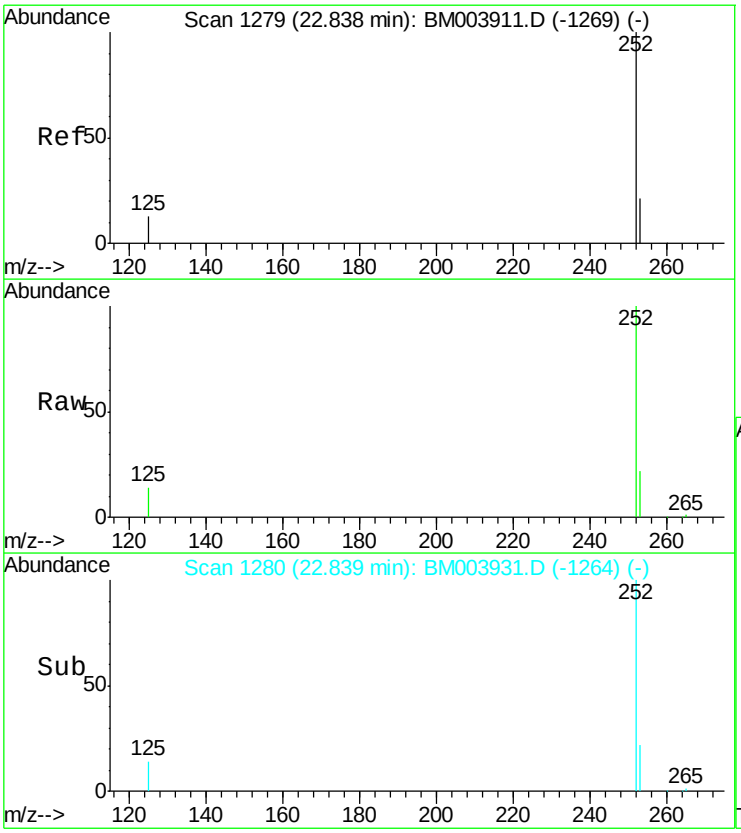
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.52 min Scan# 1345
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:264 Resp: 147821

Ion	Ratio	Lower	Upper
264	100		
260	25.0	21.2	31.8
265	21.9	16.7	25.1

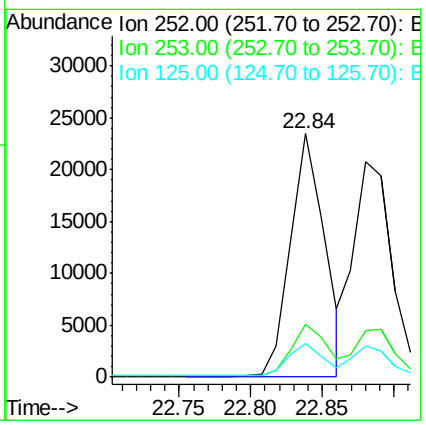


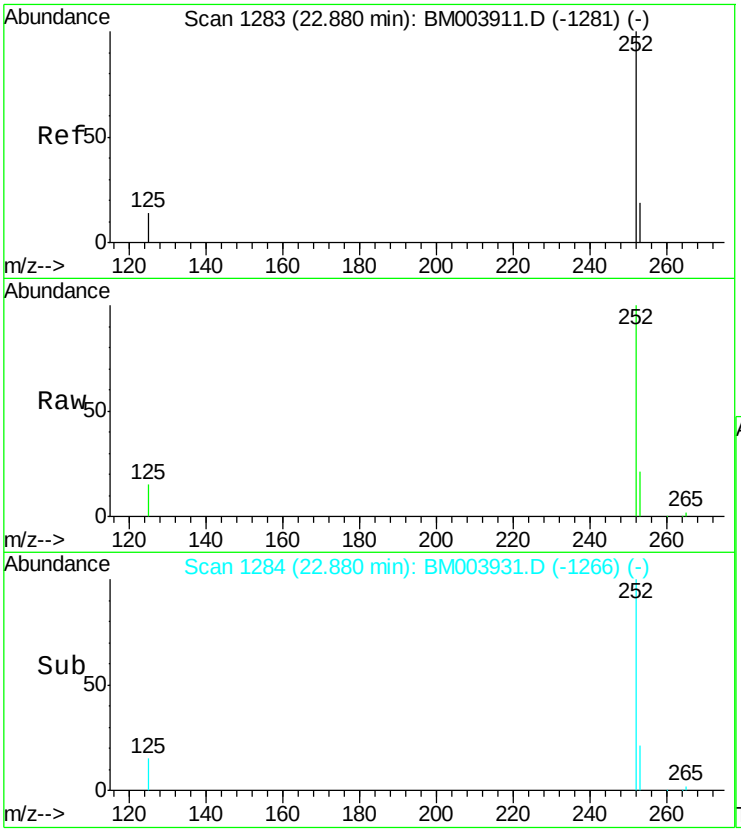


#36
Benzo(b)fluoranthene
Concen: 0.86 ng
RT: 22.84 min Scan# 1280
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Tgt Ion:252 Resp: 38865

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.8	28.2
125	13.9	10.2	15.4



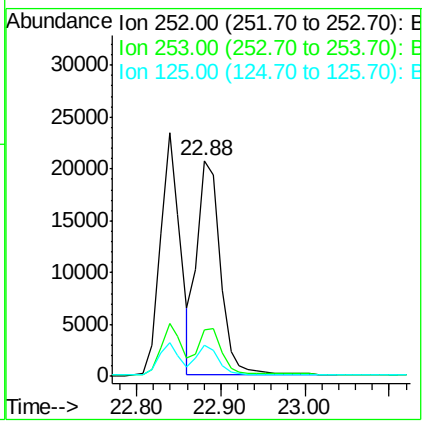


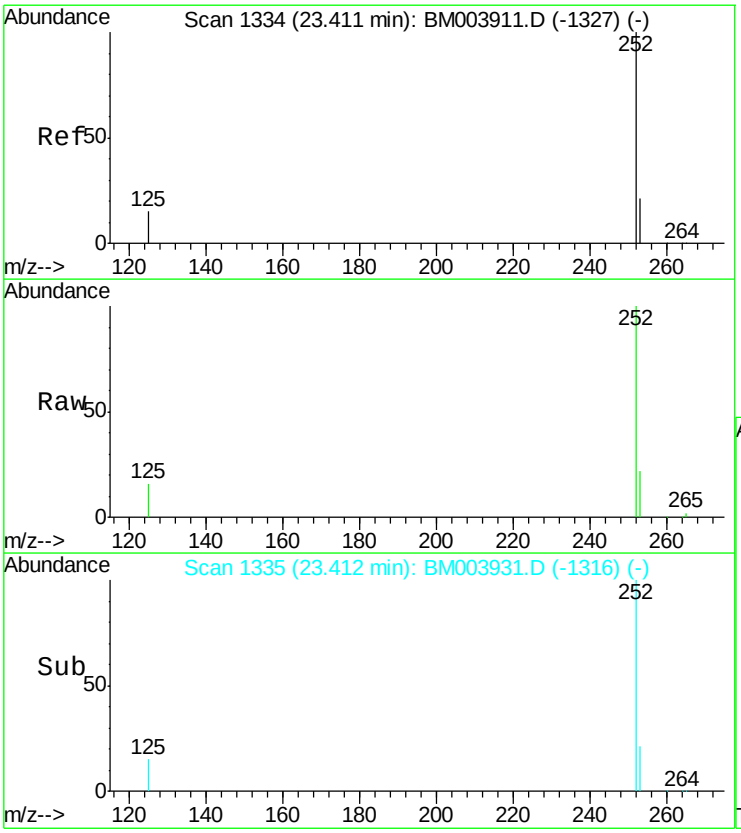
#37
Benzo(k)fluoranthene
Concen: 0.90 ng
RT: 22.88 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 39414

Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.3	27.5
125	14.6	10.6	15.8

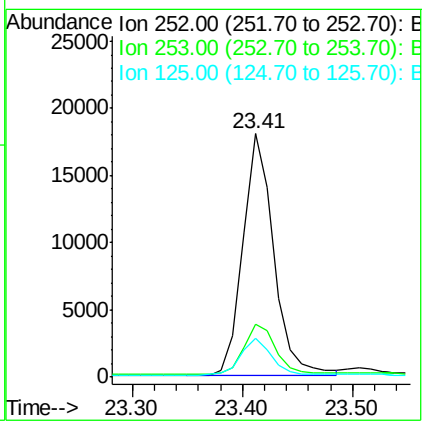


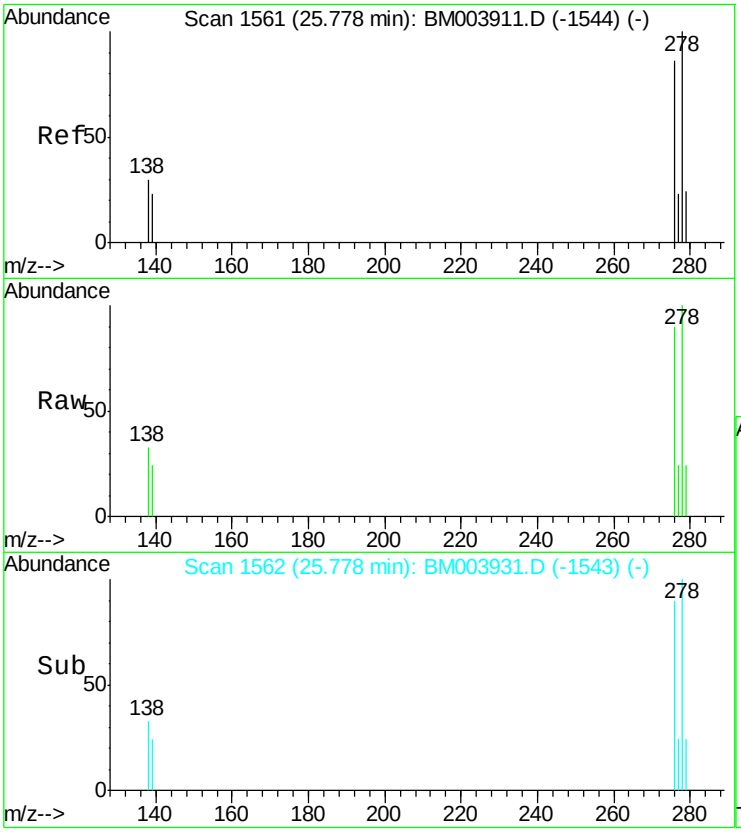


#38
Benzo(a)pyrene
Concen: 0.91 ng
RT: 23.41 min Scan# 1335
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Tgt Ion:252 Resp: 35026

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.7	28.1
125	15.9	11.8	17.8



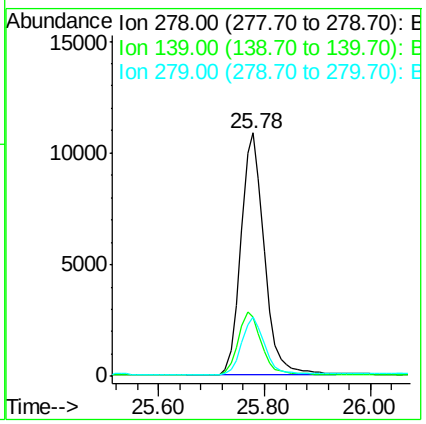


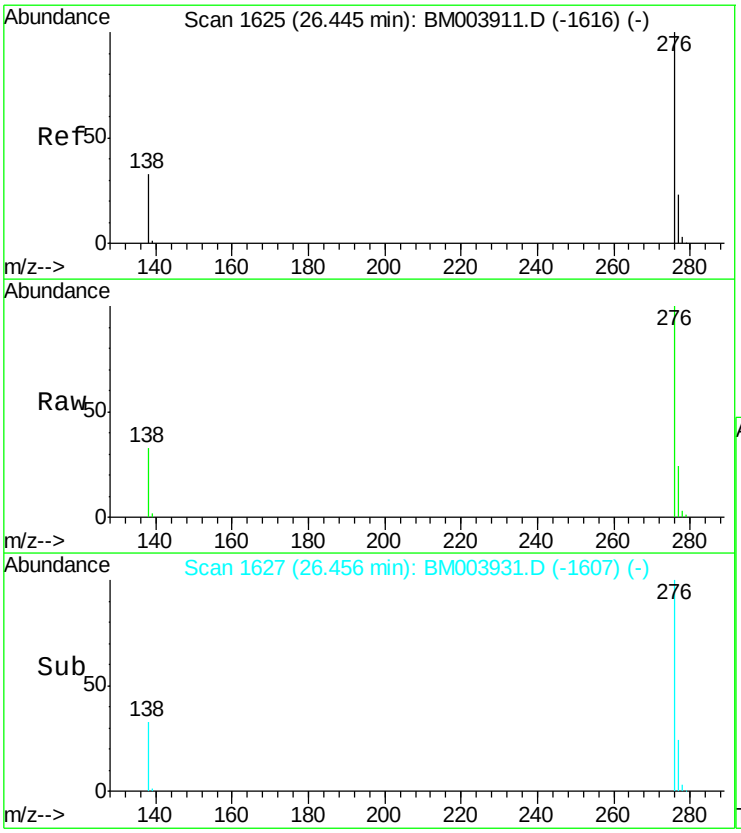
#39
Dibenzo(a,h)anthracene
Concen: 1.01 ng
RT: 25.78 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:278 Resp: 33165

Ion	Ratio	Lower	Upper
278	100		
139	24.1	19.0	28.6
279	24.4	19.6	29.4





#40
Benzo(g,h,i)perylene
Concen: 1.03 ng
RT: 26.46 min Scan# 1627
Delta R.T. 0.01 min
Lab File: BM003931.D
Acq: 10 Jan 2016 09:28

Tgt Ion:276 Resp: 35652

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.1	28.7
138	33.3	25.0	37.4