Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM010816\
Data File : BM003924.D
Acq On : 08 Jan 2016 16:10
Operator : SJ/UM
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SSTDCCC001

Quant Time: Jan 09 00:28:19 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	55972	5.00	ng		0.00
7) Naphthalene-d8	10.46	136	225850	5.00	ng		0.00
13) Acenaphthene-d10	14.33	164	107103	5.00	ng		0.00
19) Phenanthrene-d10	17.06	188	277332	5.00	ng		0.00
26) Chrysene-d12	21.27	240	178576	5.00	ng		0.00
35) Perylene-d12	23.51	264	135335	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.27	112	10746	0.94	ng		0.00
5) Phenol-d6	6.85	99	13058	0.93	ng		0.00
8) Nitrobenzene-d5	8.84	82	9645	0.87	ng		0.00
14) 2,4,6-Tribromophenol	15.81	330	2113	0.87	ng		0.00
15) 2-Fluorobiphenyl	12.94	172	33241	0.96	ng		0.00
29) Terphenyl-d14	19.71	244	24660	0.85	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.17	88	4900	0.99	ng		97
3) n-Nitrosodimethylamine	3.49	42	4967	0.86	ng		98
6) bis(2-Chloroethyl)ether	7.11	93	12363	0.96	ng		99
9) Nitrobenzene	8.88	77	11039	0.92	ng		99
10) Naphthalene	10.49	128	47825	0.97	ng		99
11) Hexachlorobutadiene	10.78	225	7334	0.97	ng		99
12) 2-Methylnaphthalene	12.13	142	29843	0.89	ng		98
16) Acenaphthylene	14.04	152	43183	0.97	ng		99
17) Acenaphthene	14.37	154	30949	0.99	ng		93
18) Fluorene	15.37	166	37208	1.00	ng		97
20) 4-Bromophenyl-phenylether	16.27	248	7565	0.88	ng	#	55
21) Hexachlorobenzene	16.40	284	7882	0.86	ng	#	48
22) Pentachlorophenol	16.73	266	1489	0.79	ng	#	78
23) Phenanthrene	17.11	178	51150	0.95	ng		99
24) Anthracene	17.19	178	49182	0.88	ng		97
25) Fluoranthene	19.14	202	53807	0.87	ng		100
27) Benzidine	19.33	184	10629	0.83	ng		96
28) Pyrene	19.50	202	56256	0.88	ng		99
30) Benzo(a)anthracene	21.25	228	49390	0.97	ng	#	85
31) 3,3'-Dichlorobenzidine	21.21	252	9059	0.78	ng		91
32) Chrysene	21.31	228	40034	0.76	ng		92
33) Bis(2-ethylhexyl)phthalate	21.19	149	12909	0.74	ng	#	96
34) Indeno(1,2,3-cd)pyrene	25.76	276	37688	1.00	ng		99
36) Benzo(b)fluoranthene	22.84	252	38548	0.93	ng		99
37) Benzo(k)fluoranthene	22.88	252	35288	0.88	ng		98
38) Benzo(a)pyrene	23.41	252	32984	0.94	ng		100
39) Dibenzo(a,h)anthracene	25.77	278	30054	1.00	ng		97
40) Benzo(g,h,i)perylene	26.44	276	32587	1.02	ng		97

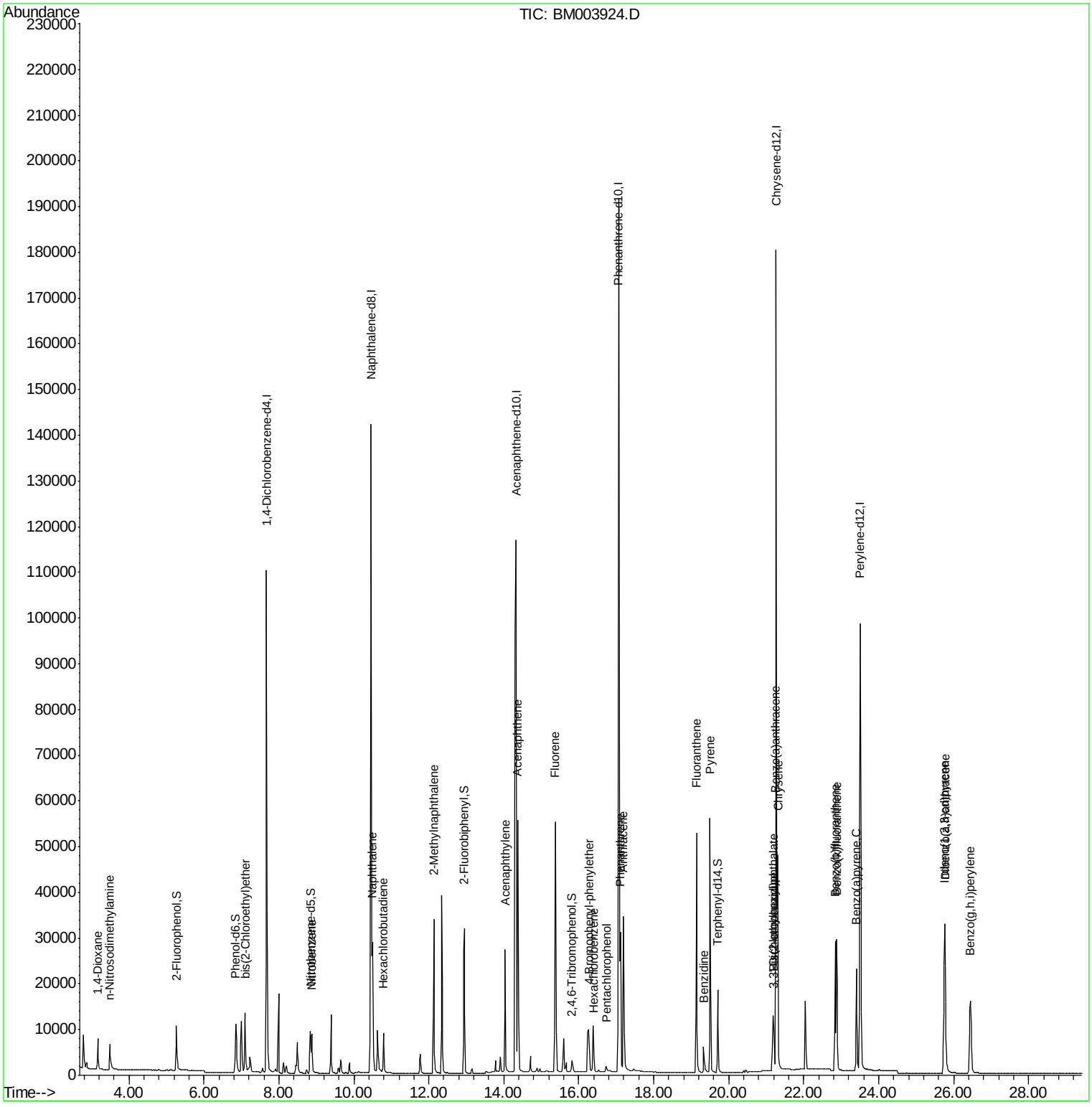
(#) = qualifier out of range (m) = manual integration (+) = signals summed

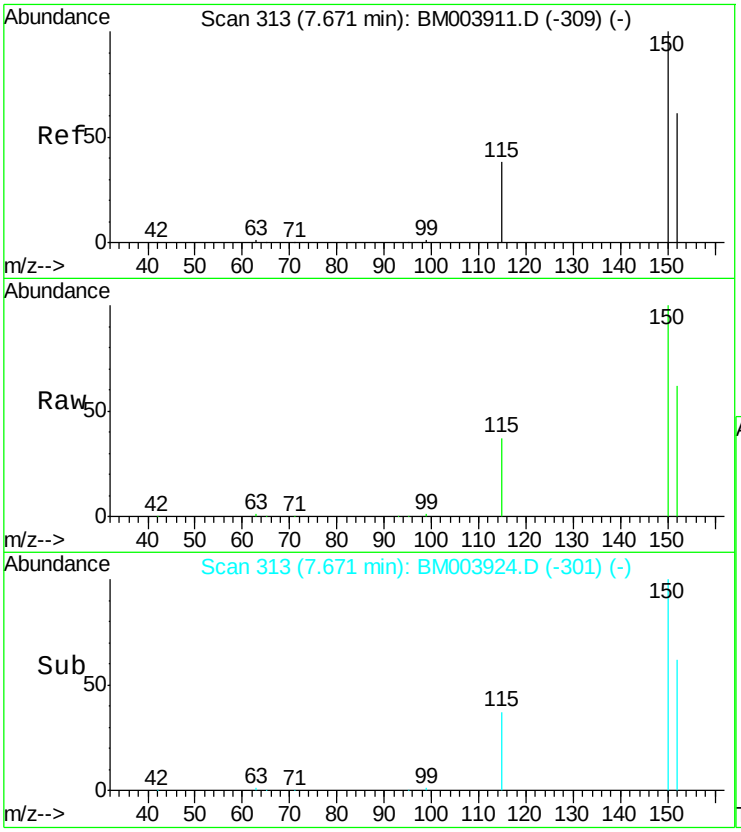
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM010816\
Data File : BM003924.D
Acq On : 08 Jan 2016 16:10
Operator : SJ/UM
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SSTDCCC001

Quant Time: Jan 09 00:28:19 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



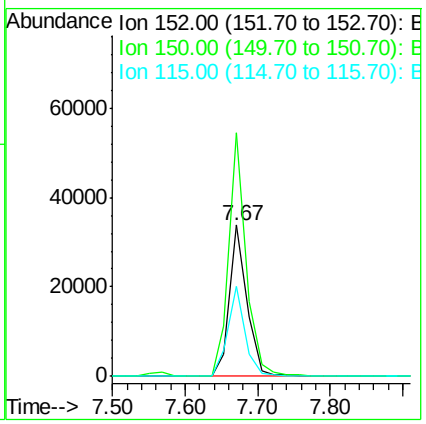


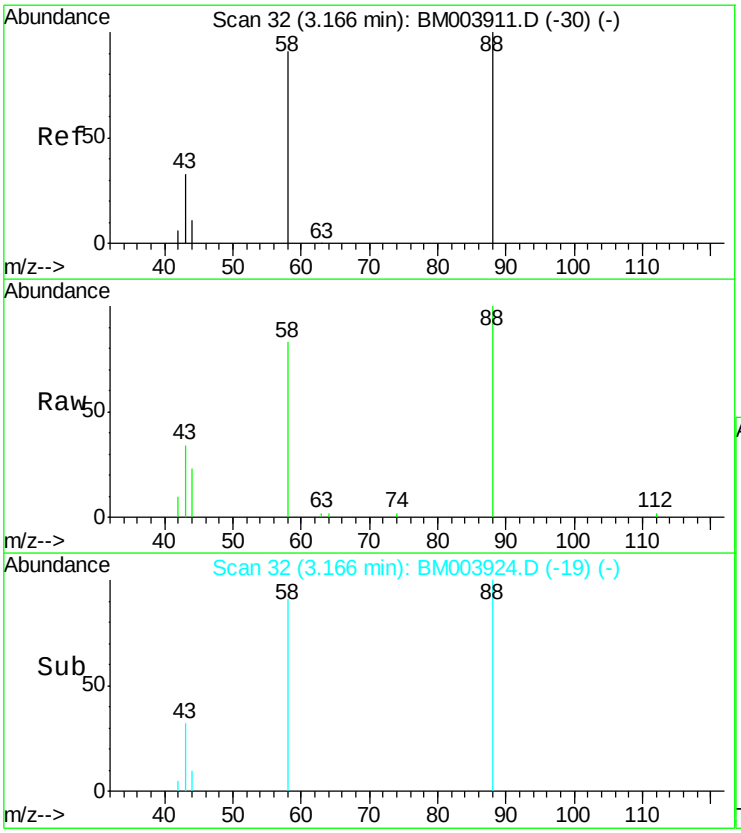
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.67 min Scan# 313
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:152 Resp: 55972

Ion	Ratio	Lower	Upper
152	100		
150	160.9	122.9	184.3
115	59.8	44.4	66.6

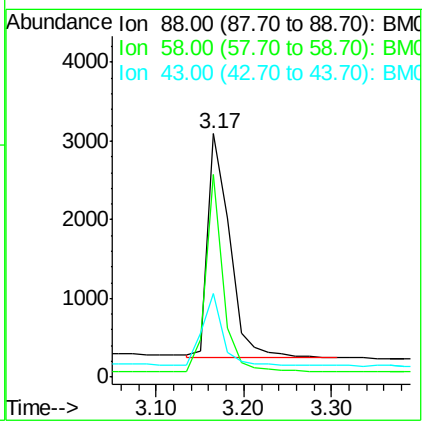


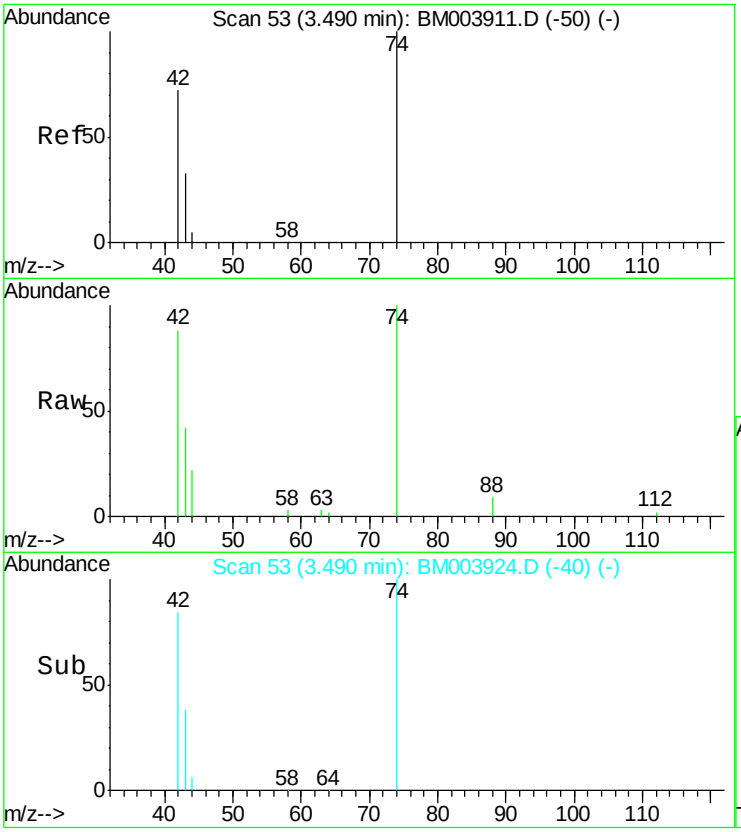


#2
1,4-Dioxane
Concen: 0.99 ng
RT: 3.17 min Scan# 32
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Tgt Ion: 88 Resp: 4900

Ion	Ratio	Lower	Upper
88	100		
58	71.0	53.8	80.6
43	29.9	23.8	35.6



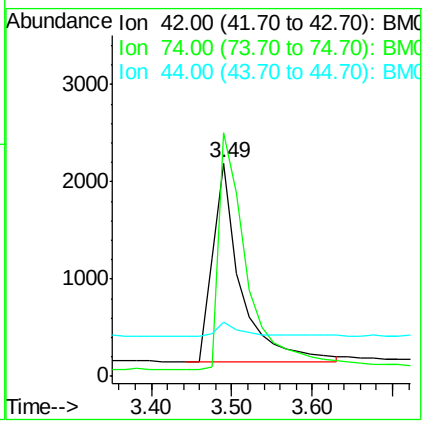


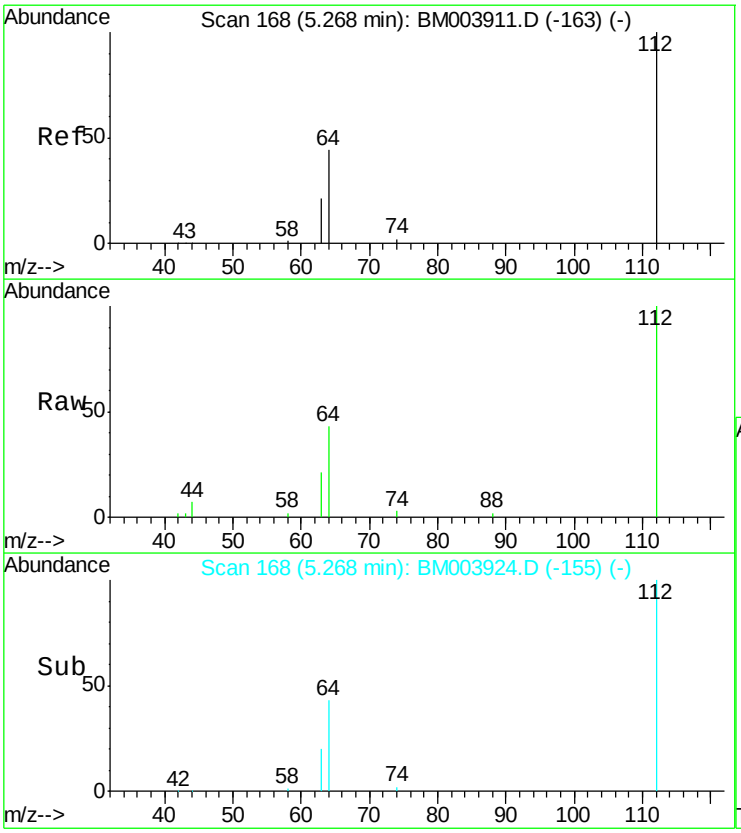
#3
n-Nitrosodimethylamine
Concen: 0.86 ng
RT: 3.49 min Scan# 53
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion: 42 Resp: 4967

Ion	Ratio	Lower	Upper
42	100		
74	120.9	95.0	142.4
44	6.6	5.1	7.7

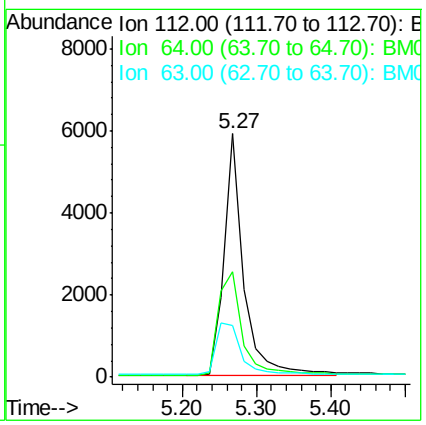


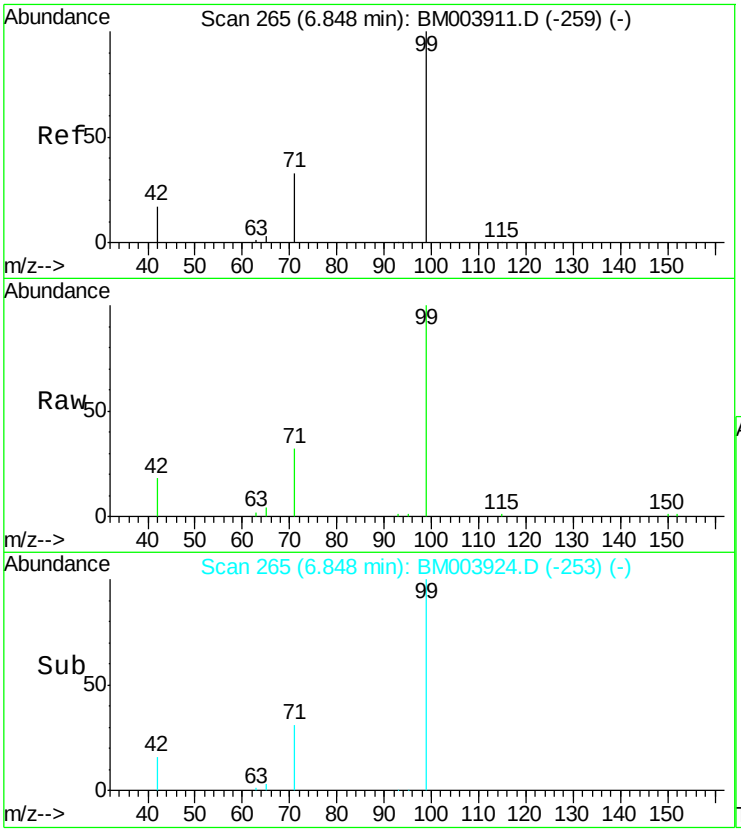


#4
2-Fluorophenol
Concen: 0.94 ng
RT: 5.27 min Scan# 168
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Tgt Ion:112 Resp: 10746

Ion	Ratio	Lower	Upper
112	100		
64	52.7	41.8	62.8
63	27.9	22.1	33.1



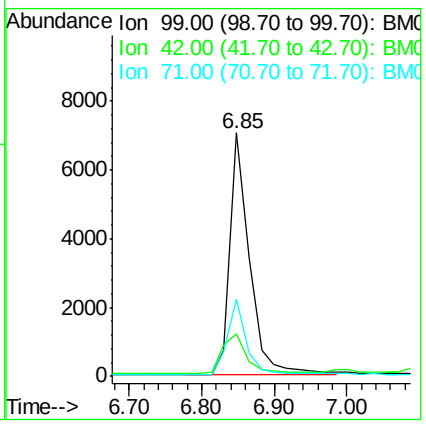


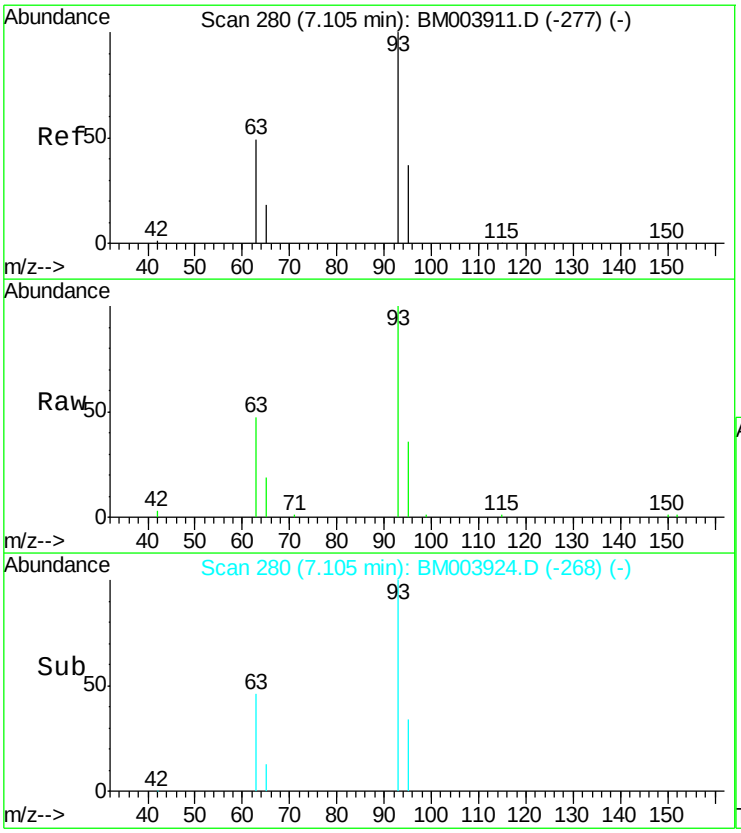
#5
Phenol-d6
Concen: 0.93 ng
RT: 6.85 min Scan# 265
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion: 99 Resp: 13058

Ion	Ratio	Lower	Upper
99	100		
42	20.0	16.2	24.2
71	30.3	24.4	36.6

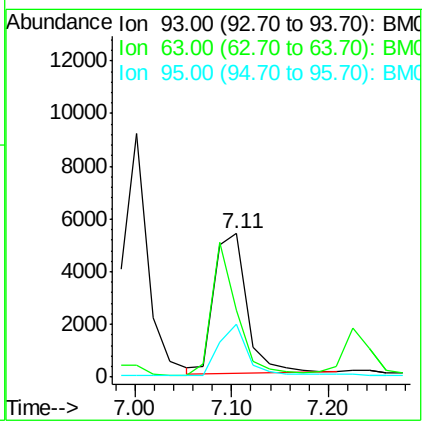


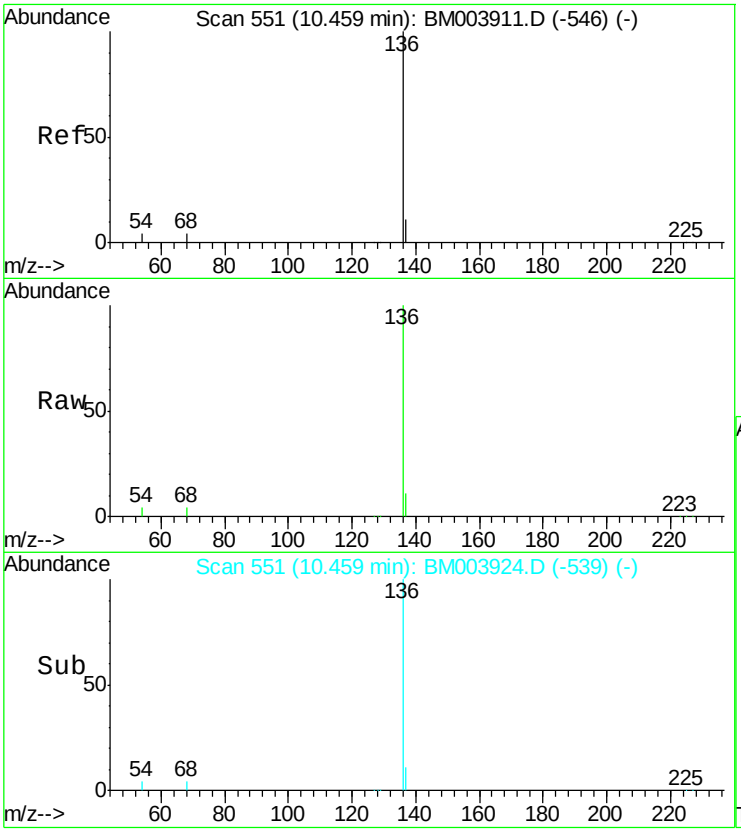


#6
bis(2-Chloroethyl)ether
Concen: 0.96 ng
RT: 7.11 min Scan# 280
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Tgt Ion: 93 Resp: 12363

Ion	Ratio	Lower	Upper
93	100		
63	74.0	58.3	87.5
95	32.3	25.8	38.8



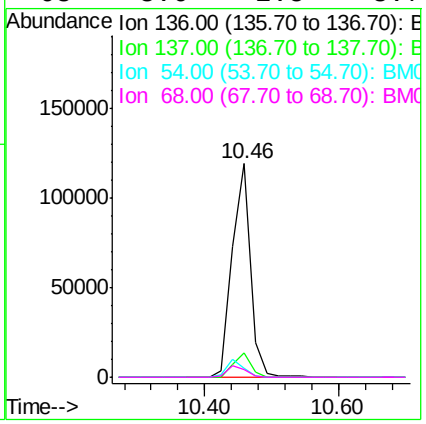


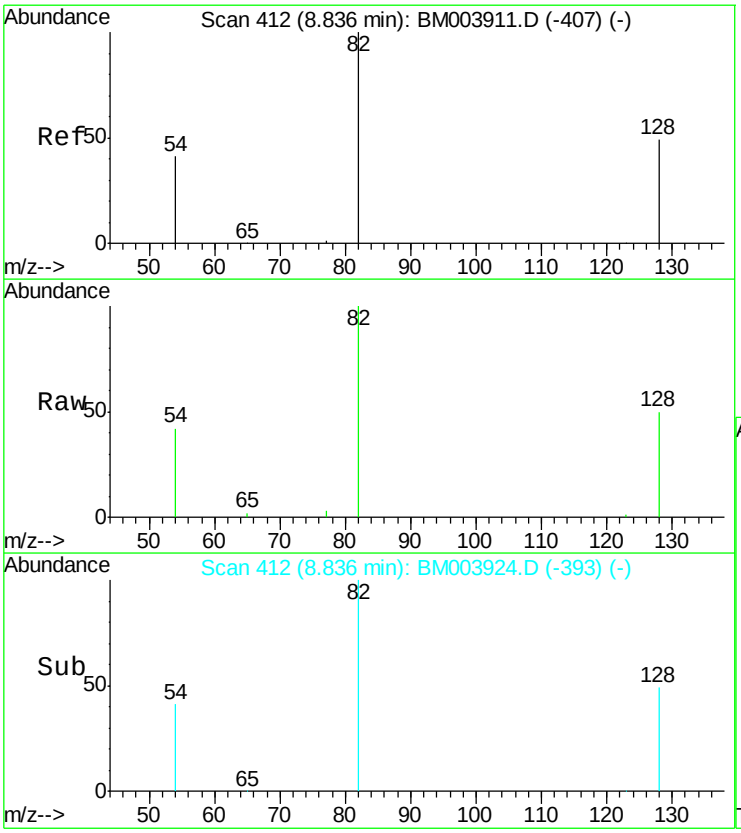
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.46 min Scan# 551
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:136 Resp: 225850

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	4.2	2.8	4.2#
68	3.6	2.5	3.7

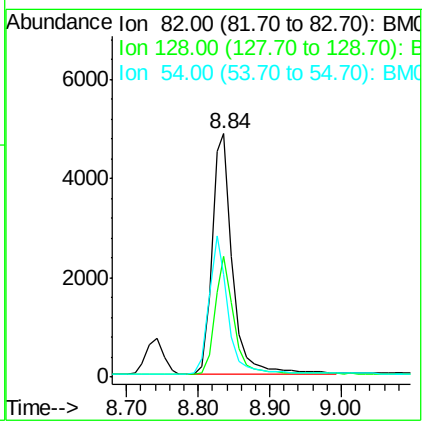


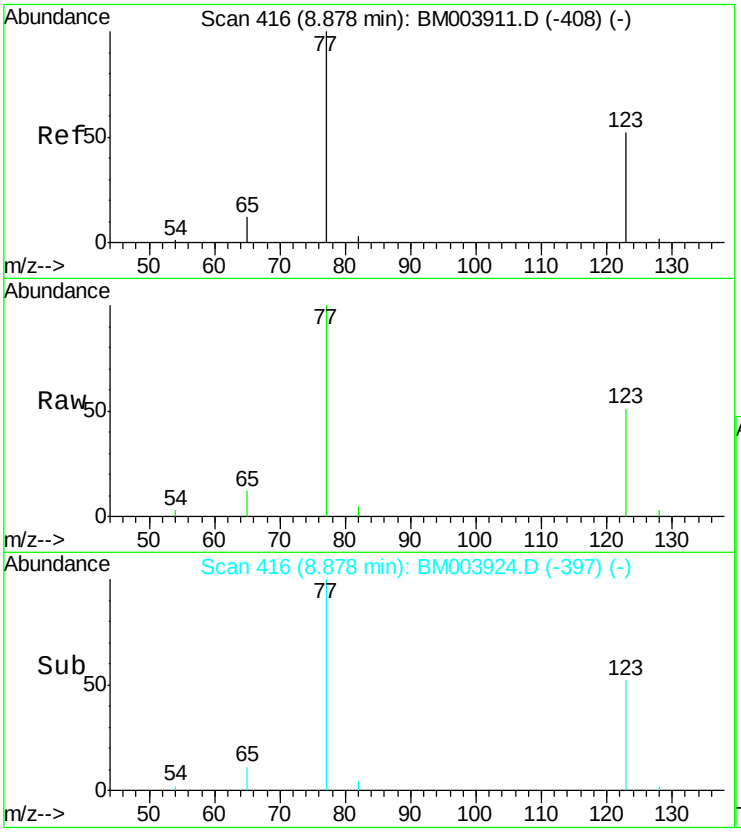


#8
Nitrobenzene-d5
Concen: 0.87 ng
RT: 8.84 min Scan# 412
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Tgt Ion: 82 Resp: 9645

Ion	Ratio	Lower	Upper
82	100		
128	49.6	39.1	58.7
54	42.0	34.8	52.2



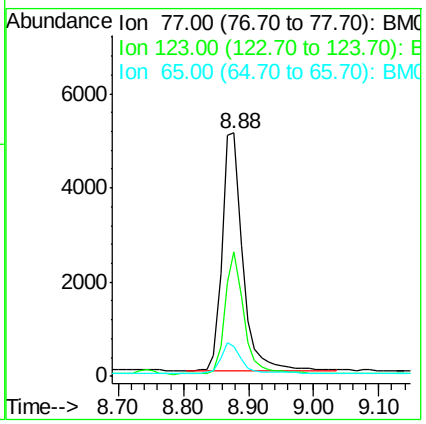


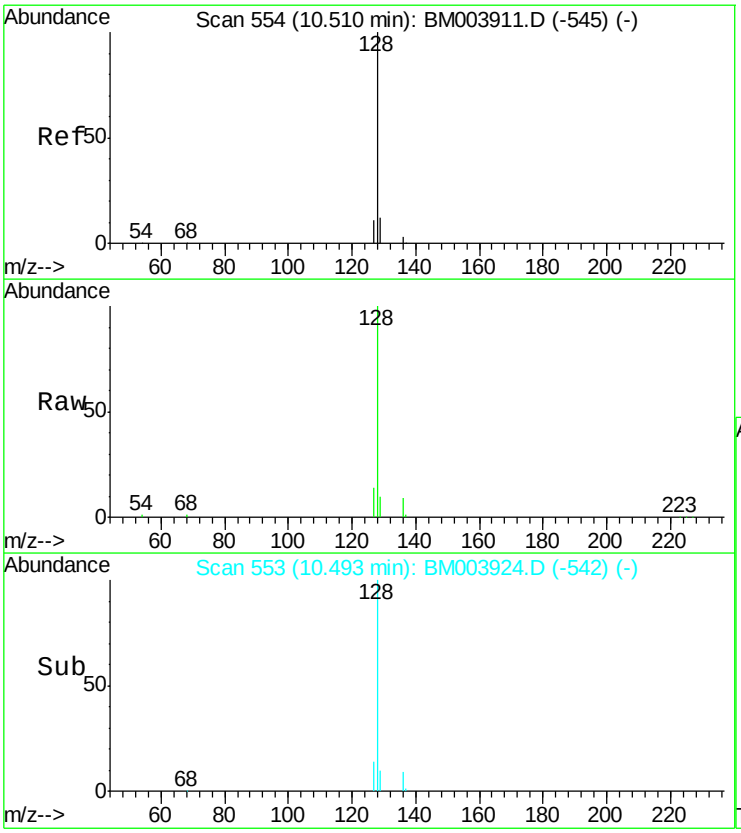
#9
Nitrobenzene
Concen: 0.92 ng
RT: 8.88 min Scan# 416
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion: 77 Resp: 11039

Ion	Ratio	Lower	Upper
77	100		
123	47.4	38.6	57.8
65	12.6	9.9	14.9

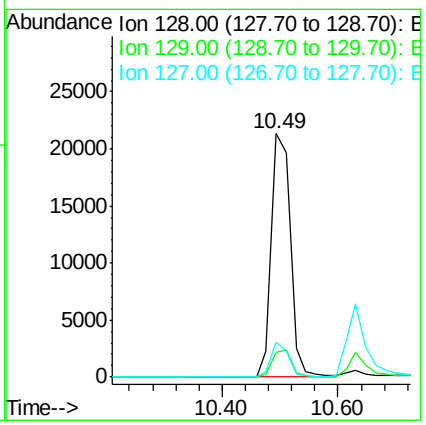


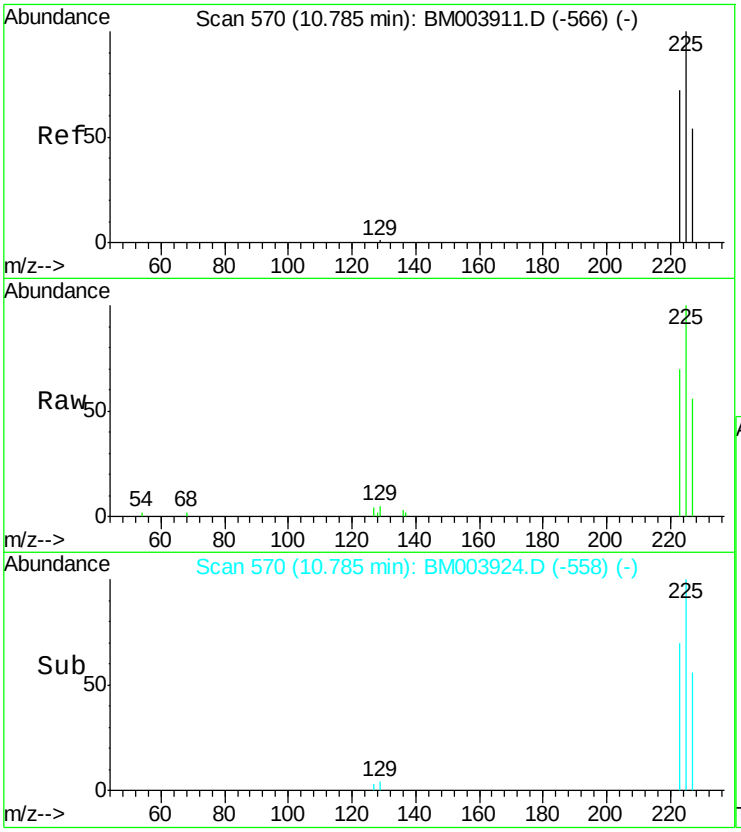


#10
Naphthalene
Concen: 0.97 ng
RT: 10.49 min Scan# 553
Delta R.T. -0.02 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Tgt Ion:128 Resp: 47825

Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.5	12.7
127	14.2	11.0	16.4



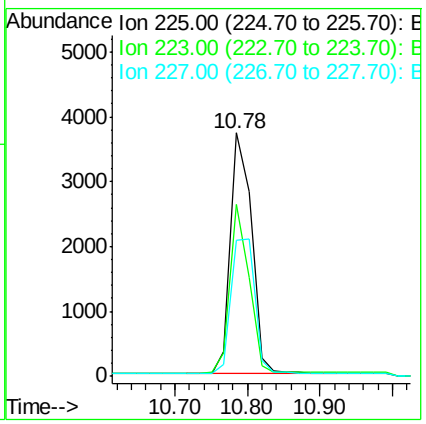


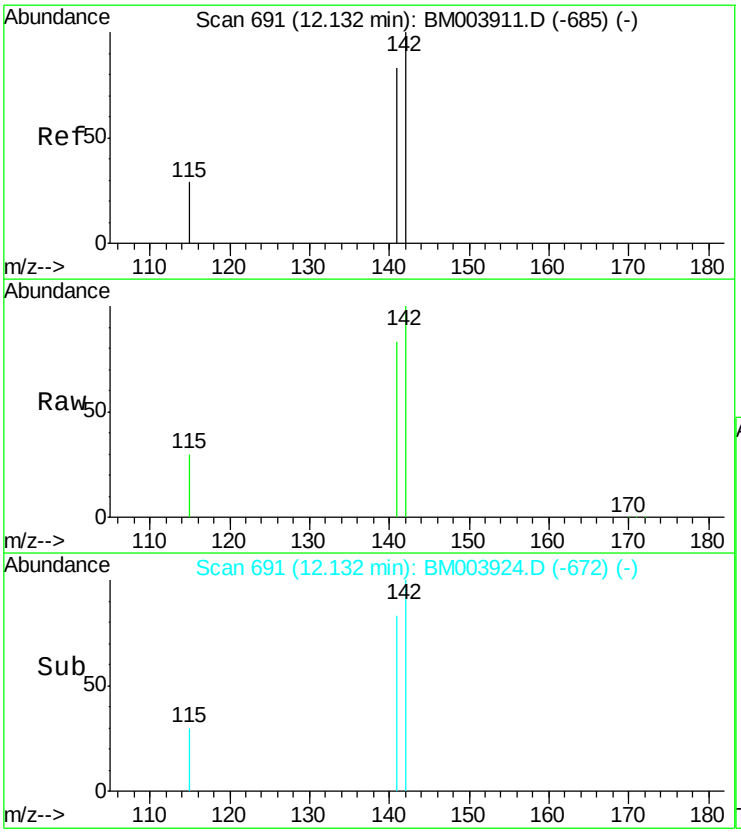
#11
Hexachlorobutadiene
Concen: 0.97 ng
RT: 10.78 min Scan# 570
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:225 Resp: 7334

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.9	76.3
227	63.2	51.2	76.8

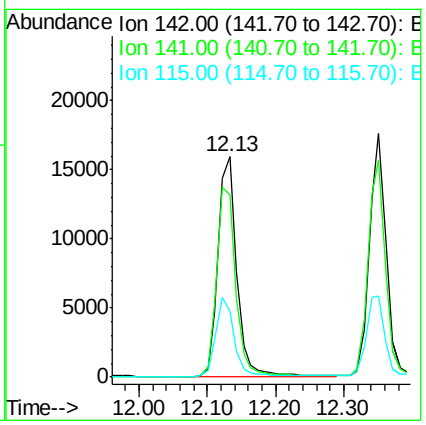


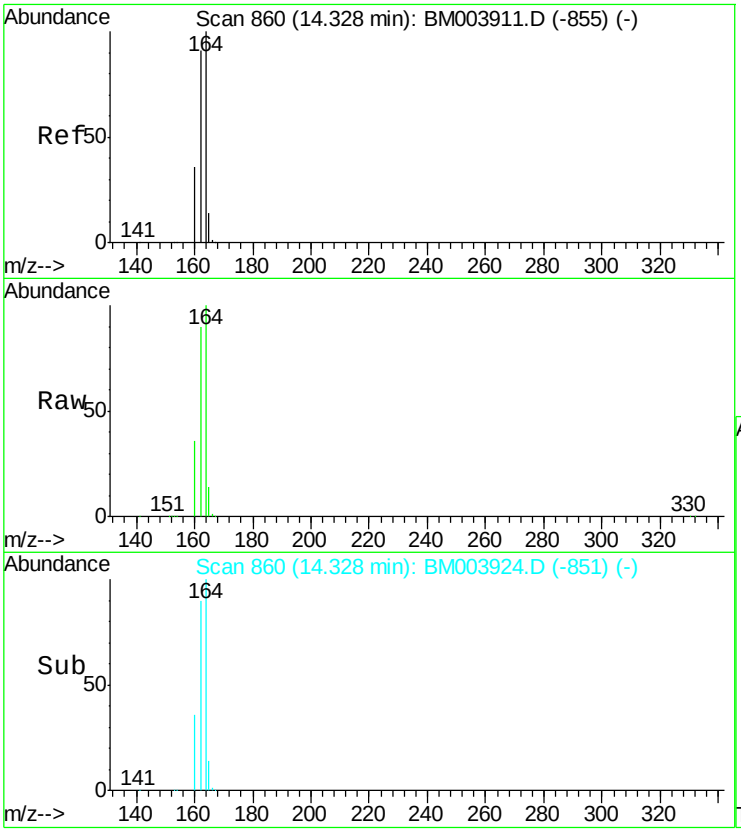


#12
2-Methylnaphthalene
Concen: 0.89 ng
RT: 12.13 min Scan# 691
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Tgt Ion:142 Resp: 29843

Ion	Ratio	Lower	Upper
142	100		
141	82.7	67.8	101.8
115	30.0	25.3	37.9



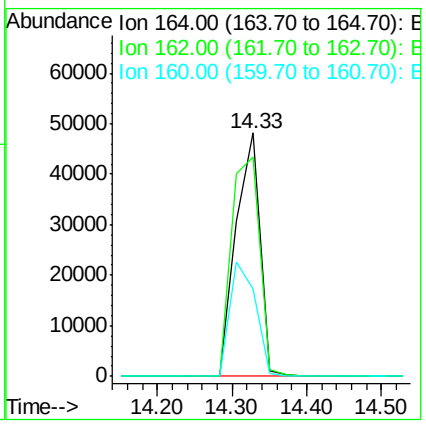


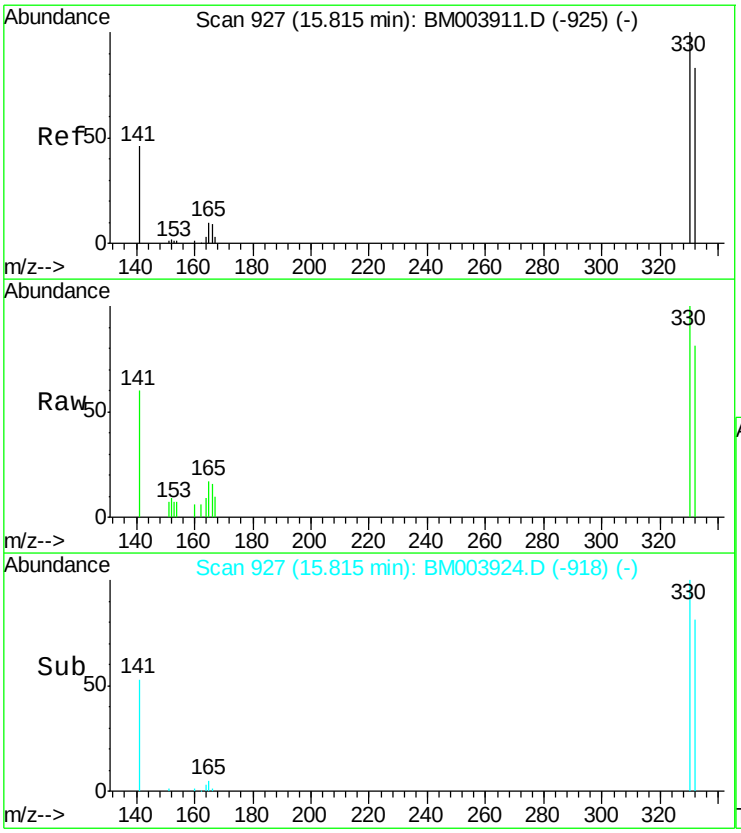
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.33 min Scan# 860
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:164 Resp: 107103

Ion	Ratio	Lower	Upper
164	100		
162	90.1	86.0	129.0
160	36.1	40.3	60.5#

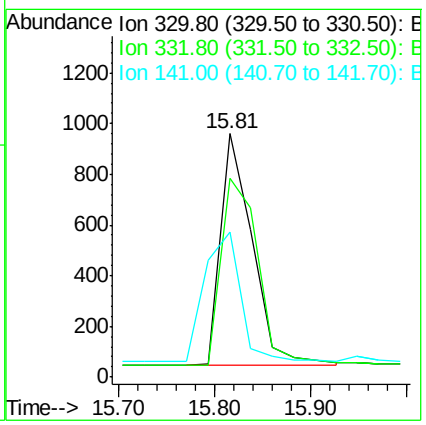


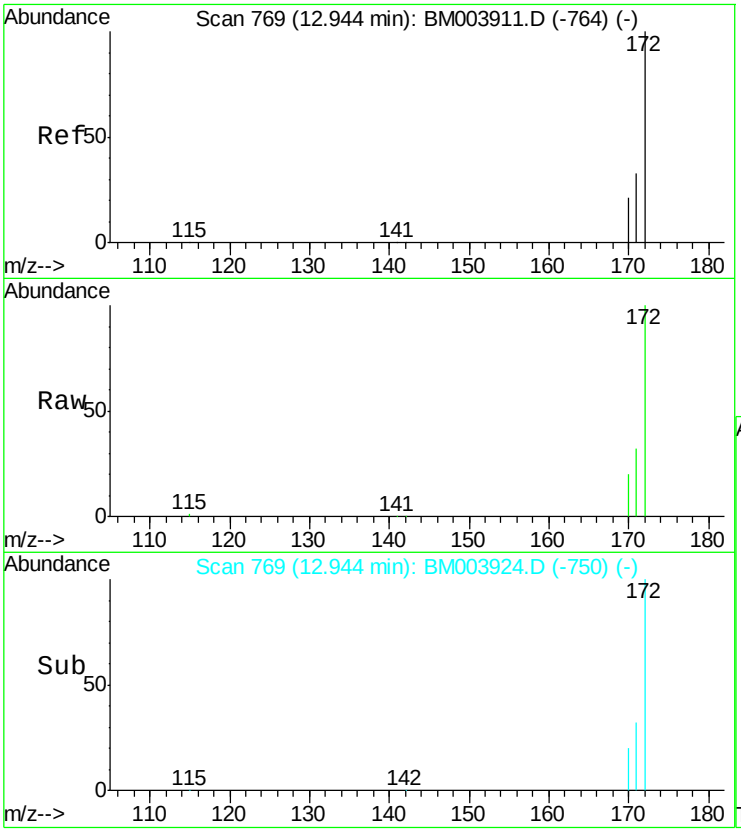


#14
2,4,6-Tribromophenol
Concen: 0.87 ng
RT: 15.81 min Scan# 927
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Tgt Ion:330 Resp: 2113

Ion	Ratio	Lower	Upper
330	100		
332	94.4	79.0	118.4
141	62.9	0.0	0.0#



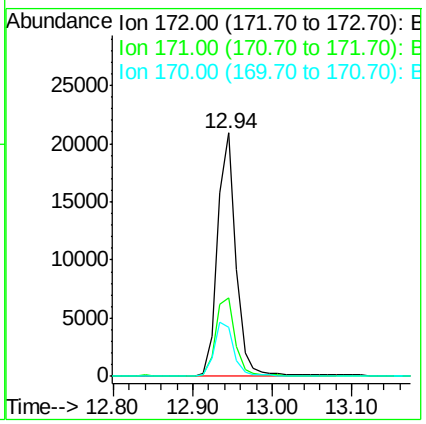


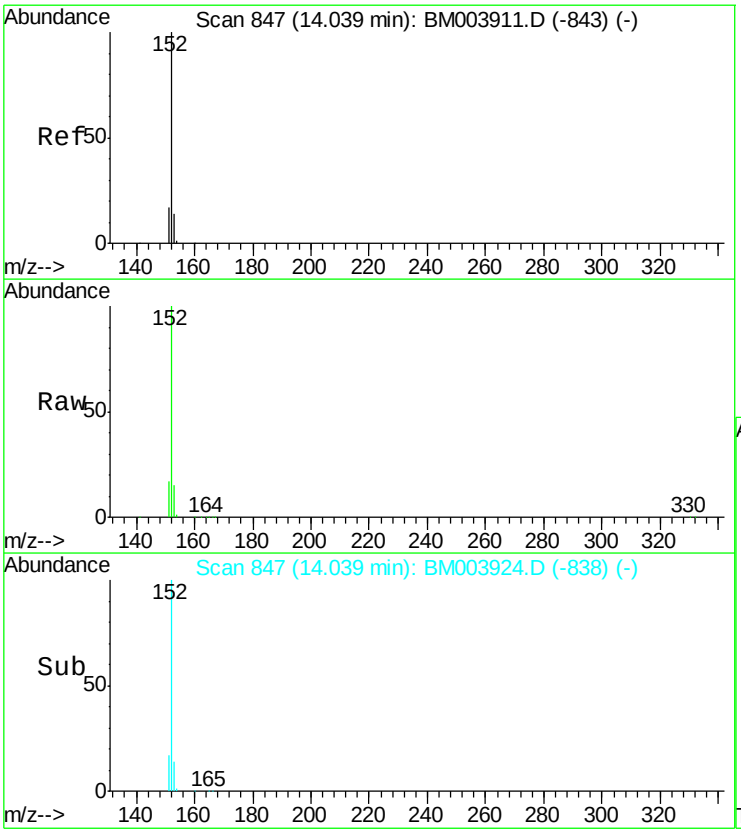
#15
2-Fluorobiphenyl
Concen: 0.96 ng
RT: 12.94 min Scan# 769
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:172 Resp: 33241

Ion	Ratio	Lower	Upper
172	100		
171	32.1	27.0	40.6
170	19.9	17.9	26.9

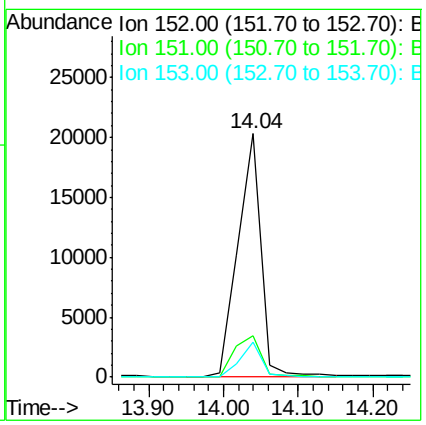


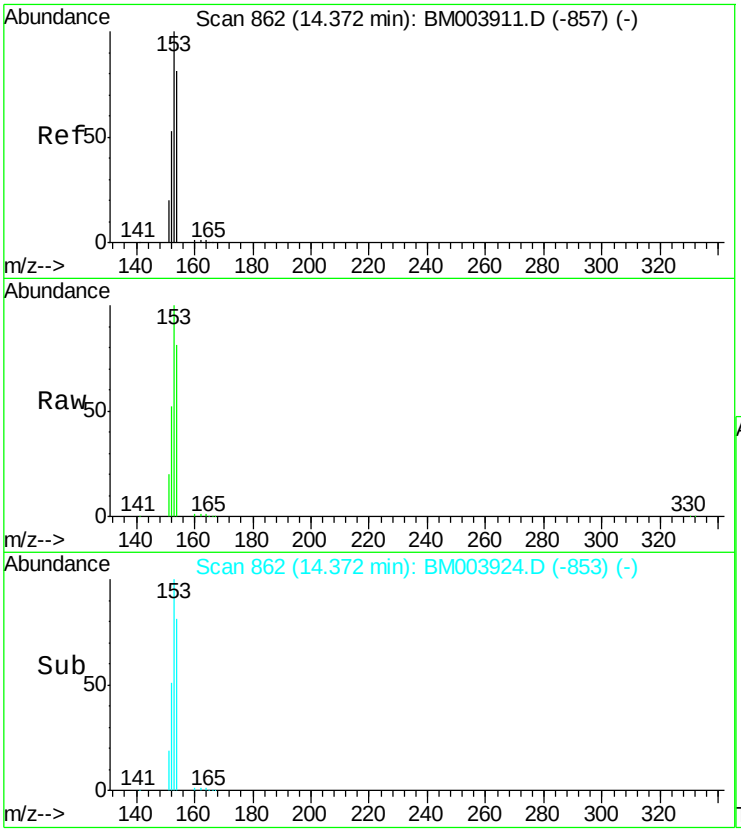


#16
Acenaphthylene
Concen: 0.97 ng
RT: 14.04 min Scan# 847
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Tgt Ion:152 Resp: 43183

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.8	23.8
153	13.1	10.2	15.4



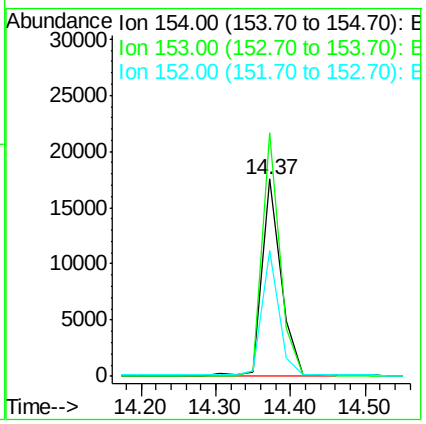


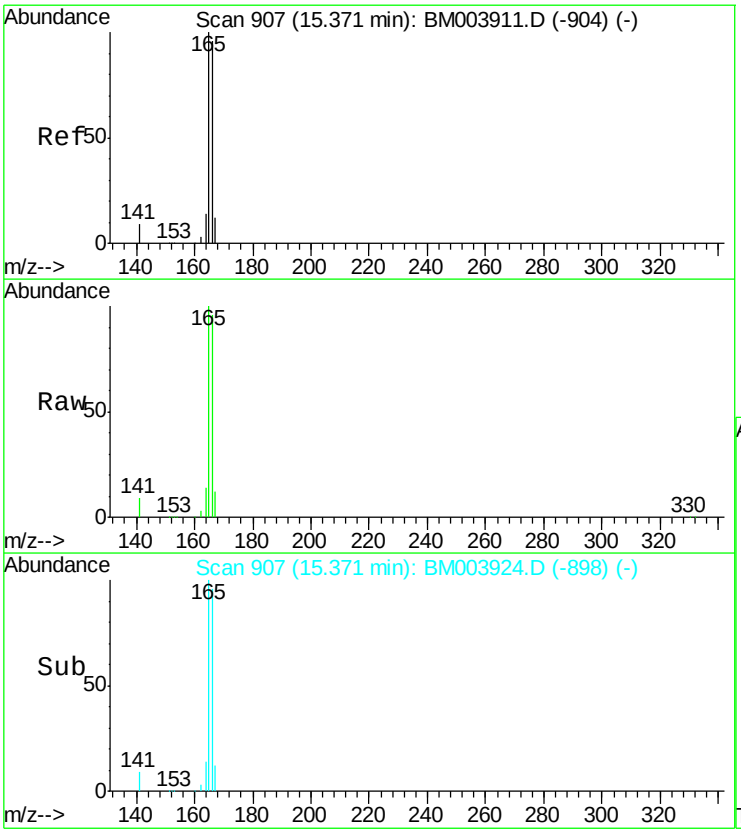
#17
Acenaphthene
Concen: 0.99 ng
RT: 14.37 min Scan# 862
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:154 Resp: 30949

Ion	Ratio	Lower	Upper
154	100		
153	114.1	85.4	128.2
152	56.4	40.6	60.8

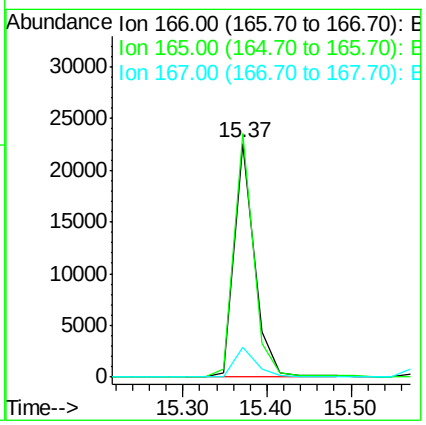


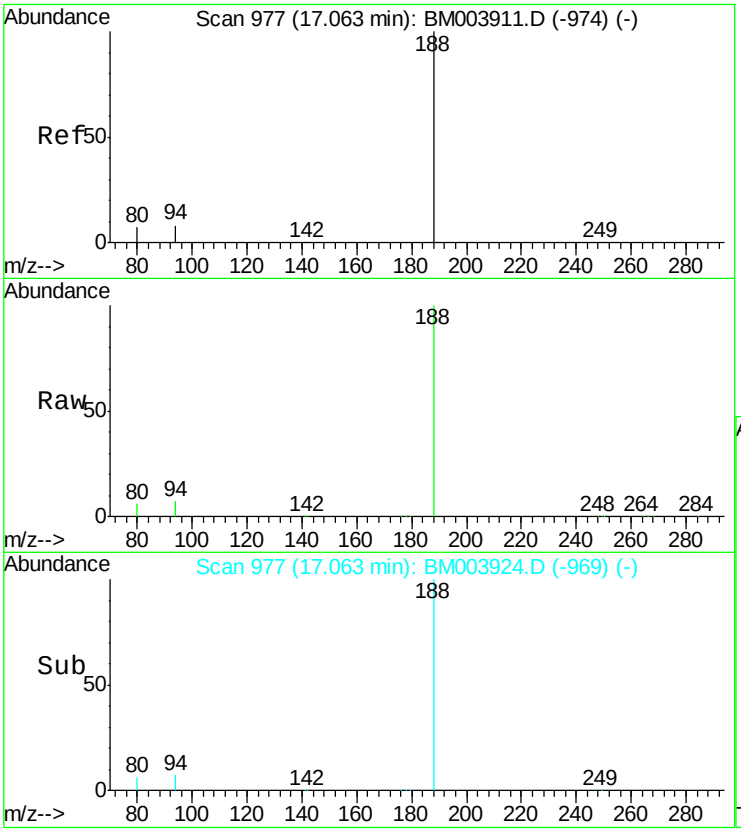


#18
Fluorene
Concen: 1.00 ng
RT: 15.37 min Scan# 907
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Tgt Ion:166 Resp: 37208

Ion	Ratio	Lower	Upper
166	100		
165	100.0	77.2	115.8
167	13.0	11.0	16.6



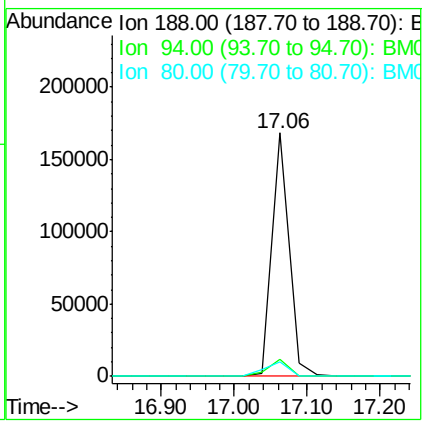


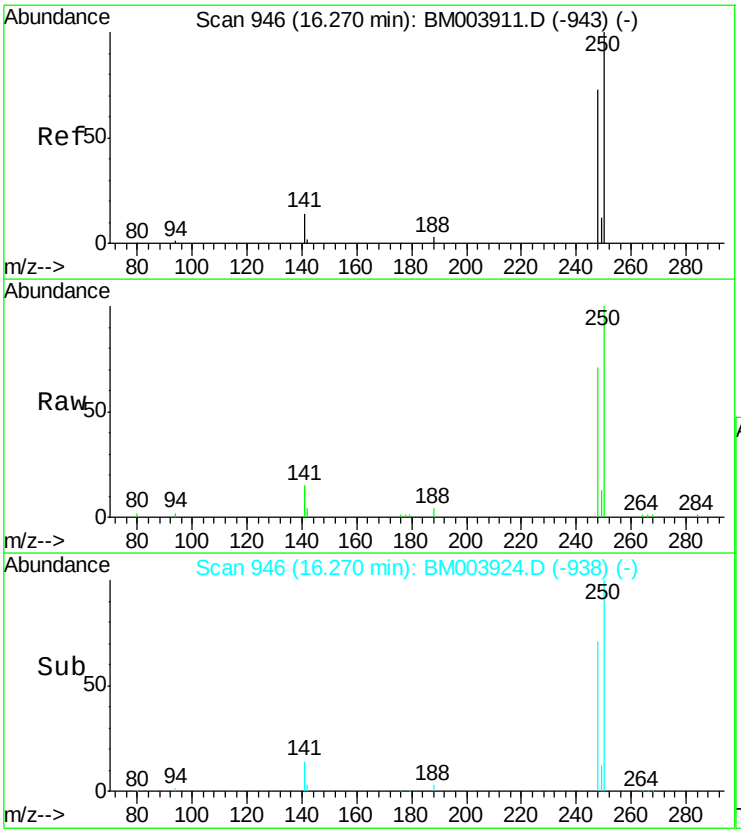
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 977
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:188 Resp: 277332

Ion	Ratio	Lower	Upper
188	100		
94	6.9	20.3	30.5#
80	6.2	22.2	33.4#

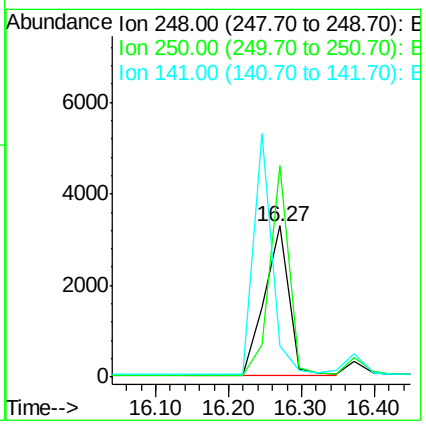


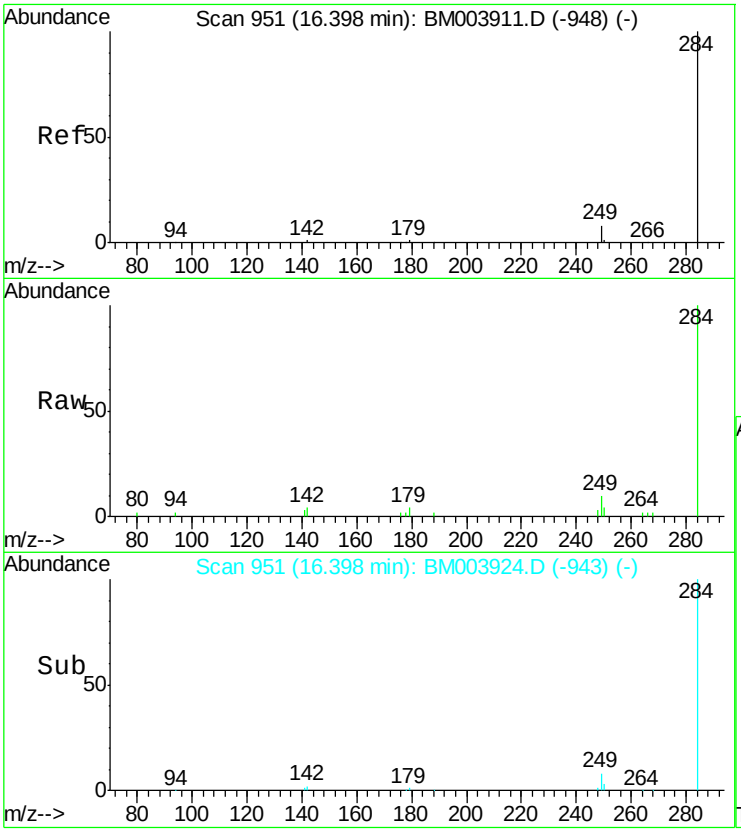


#20
4-Bromophenyl-phenylether
Concen: 0.88 ng
RT: 16.27 min Scan# 946
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Tgt Ion:248 Resp: 7565

Ion	Ratio	Lower	Upper
248	100		
250	111.1	75.0	112.4
141	0.0	53.0	79.4#



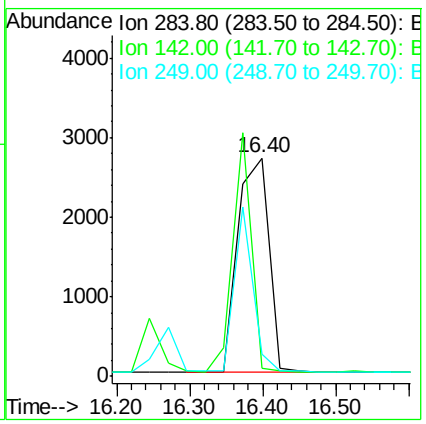


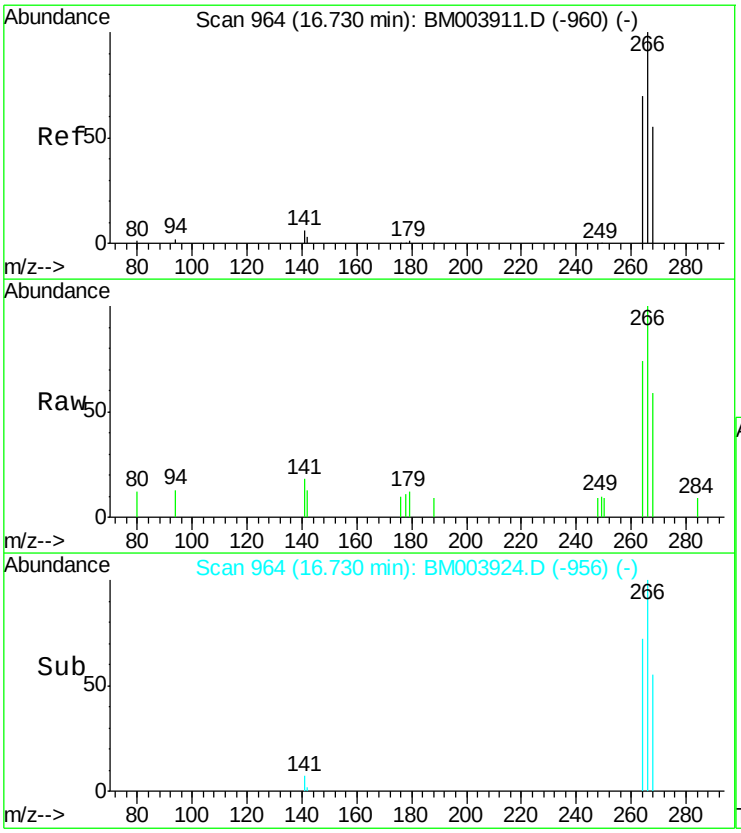
#21
Hexachlorobenzene
Concen: 0.86 ng
RT: 16.40 min Scan# 951
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:284 Resp: 7882

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

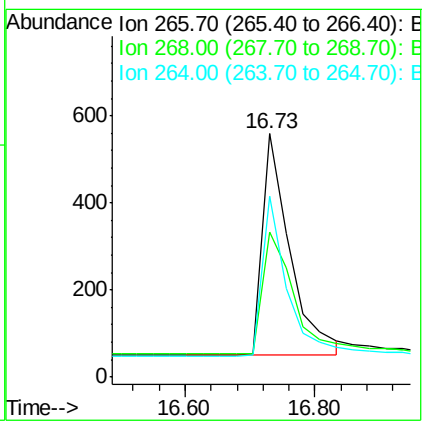


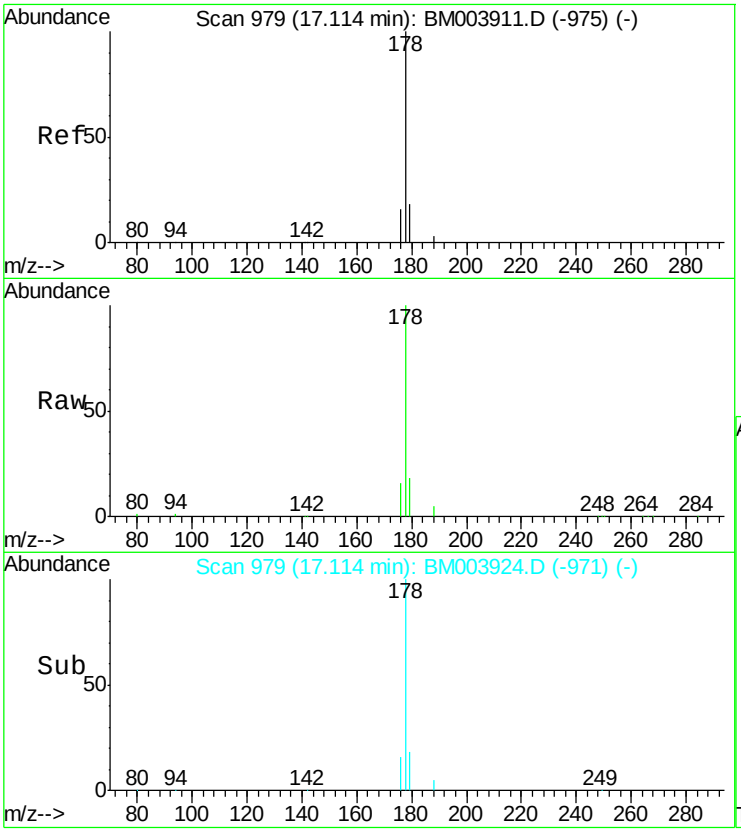


#22
Pentachlorophenol
Concen: 0.79 ng
RT: 16.73 min Scan# 964
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Tgt Ion:266 Resp: 1489

Ion	Ratio	Lower	Upper
266	100		
268	59.4	62.7	94.1#
264	74.1	45.7	68.5#



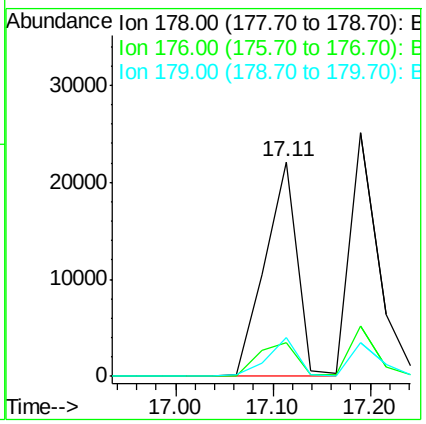


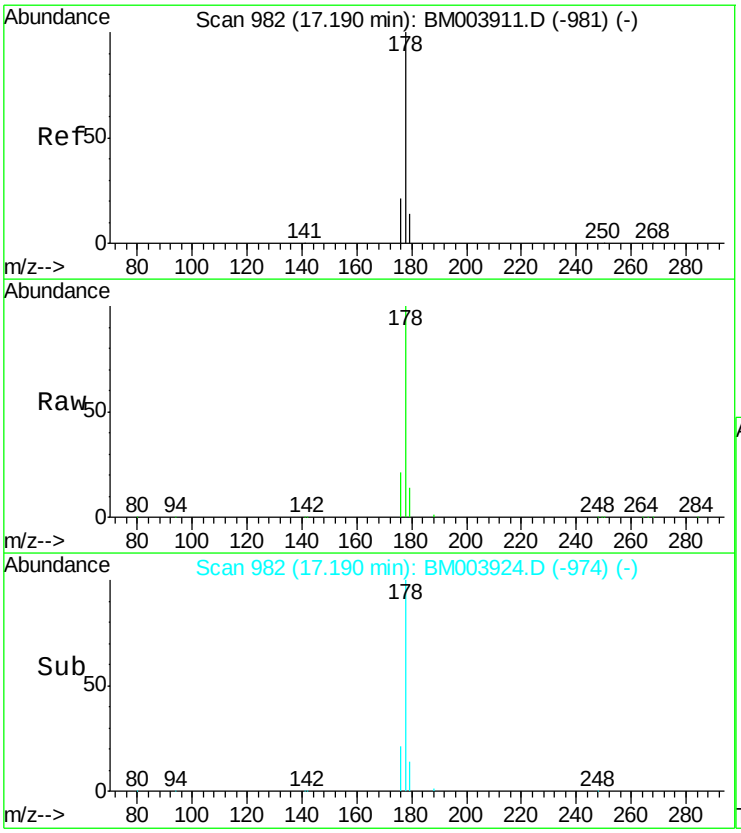
#23
Phenanthrene
Concen: 0.95 ng
RT: 17.11 min Scan# 979
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:178 Resp: 51150

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	16.1	12.2	18.4

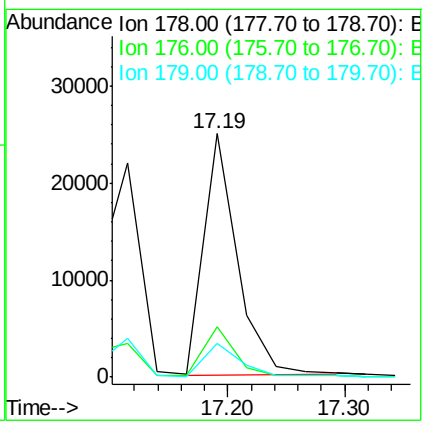


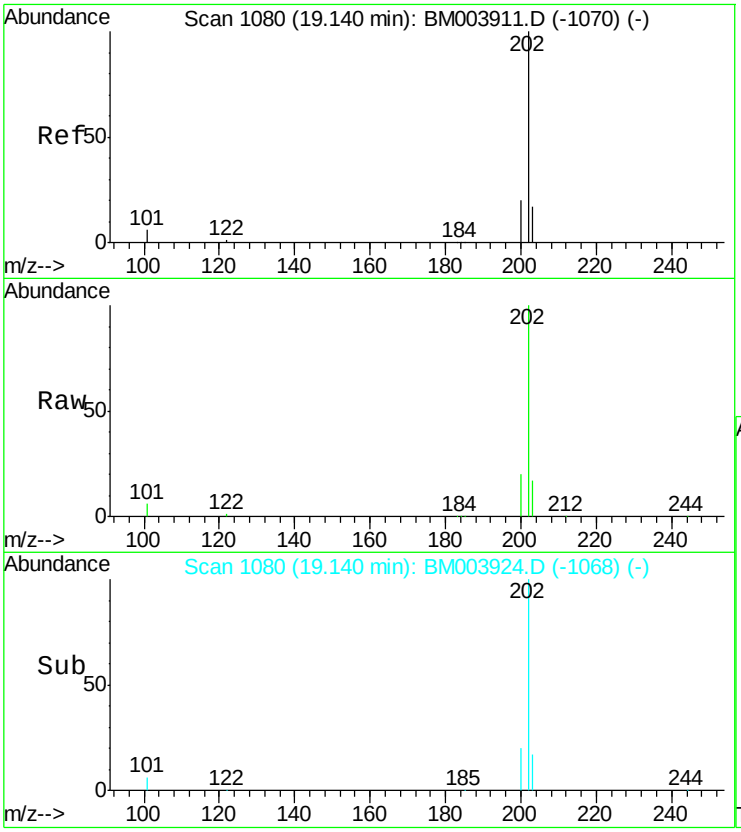


#24
Anthracene
Concen: 0.88 ng
RT: 17.19 min Scan# 982
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Tgt Ion:178 Resp: 49182

Ion	Ratio	Lower	Upper
178	100		
176	19.4	14.6	21.8
179	14.7	12.6	19.0



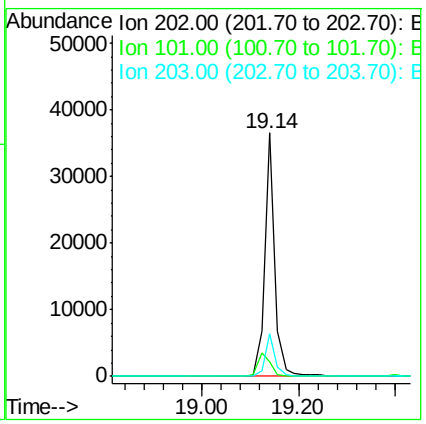


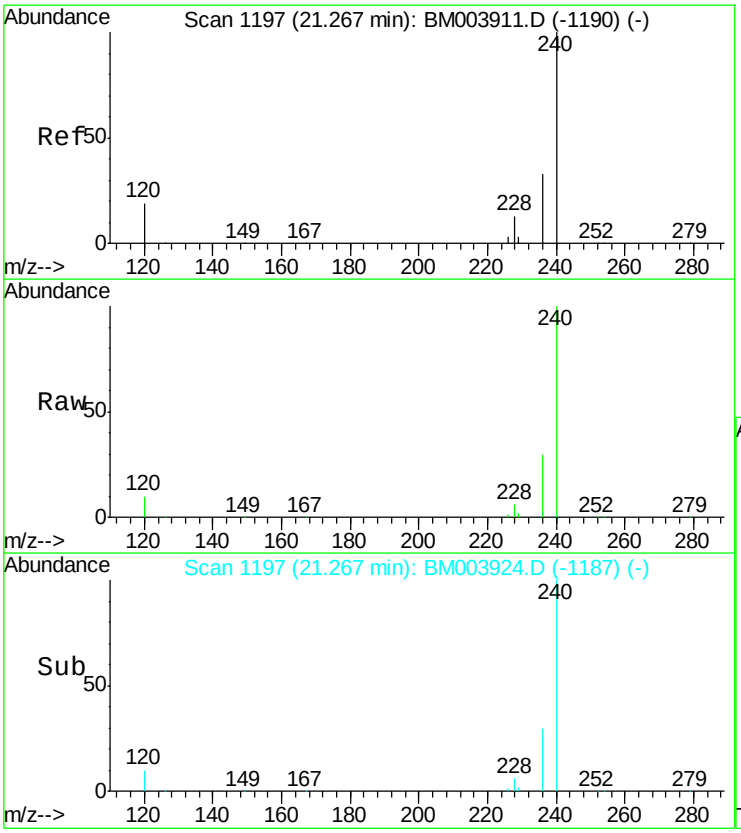
#25
Fluoranthene
Concen: 0.87 ng
RT: 19.14 min Scan# 1080
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:202 Resp: 53807

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.7	14.5
203	17.3	13.8	20.8

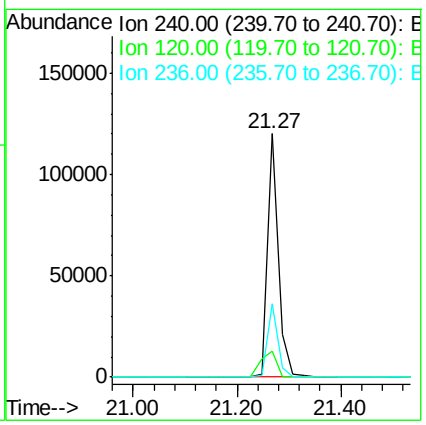


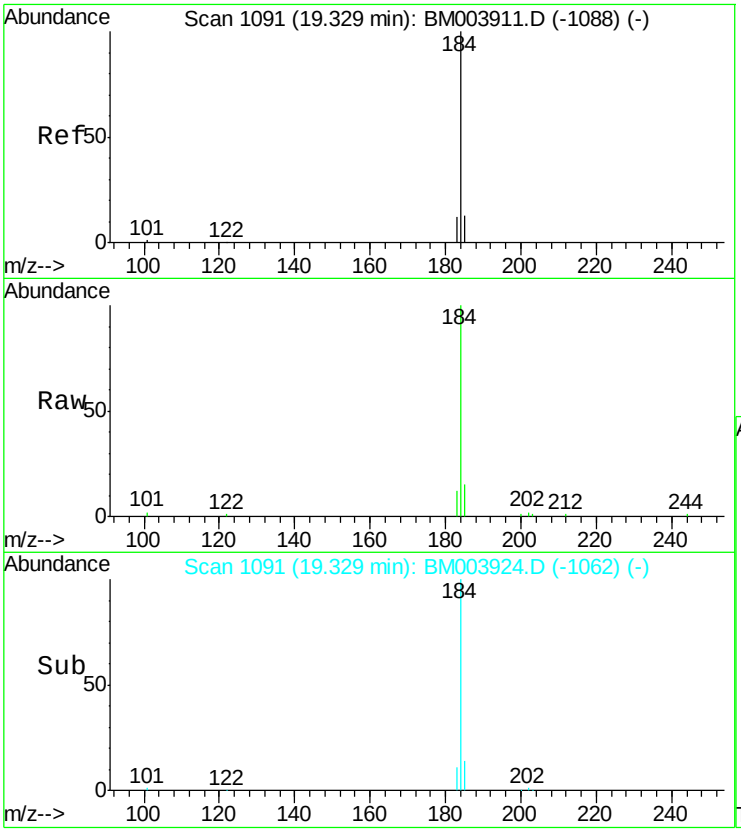


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.27 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Tgt Ion:240 Resp: 178576

Ion	Ratio	Lower	Upper
240	100		
120	10.4	0.9	1.3#
236	30.1	17.3	25.9#



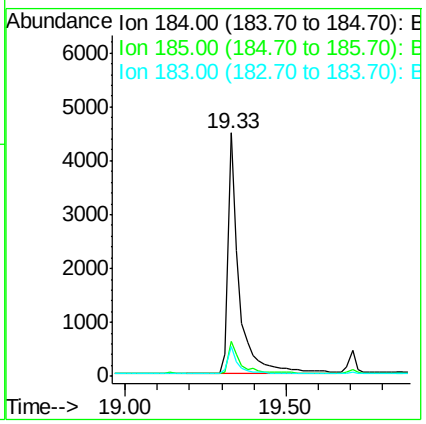


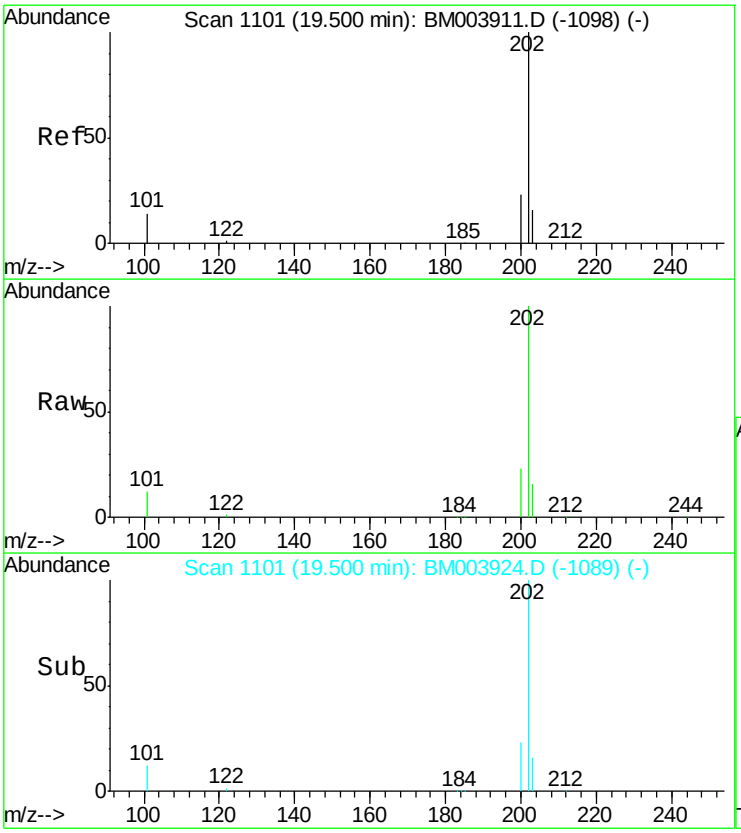
#27
Benzidine
Concen: 0.83 ng
RT: 19.33 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:184 Resp: 10629

Ion	Ratio	Lower	Upper
184	100		
185	14.6	13.2	19.8
183	12.4	9.0	13.6

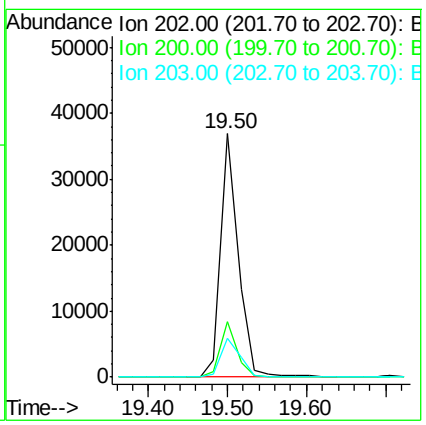


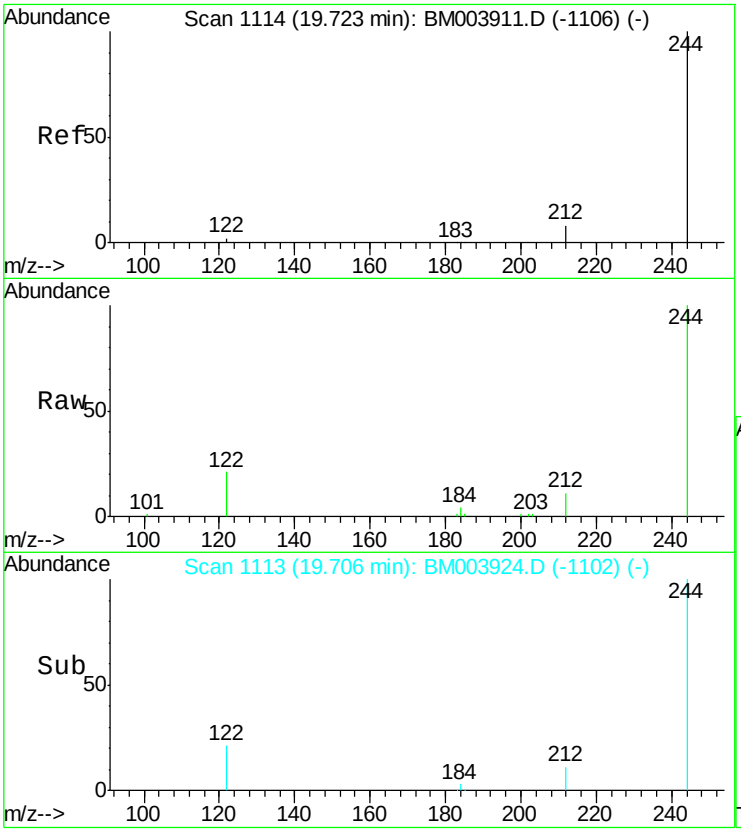


#28
Pyrene
Concen: 0.88 ng
RT: 19.50 min Scan# 1101
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Tgt Ion:202 Resp: 56256

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.6	24.8
203	17.1	14.0	21.0



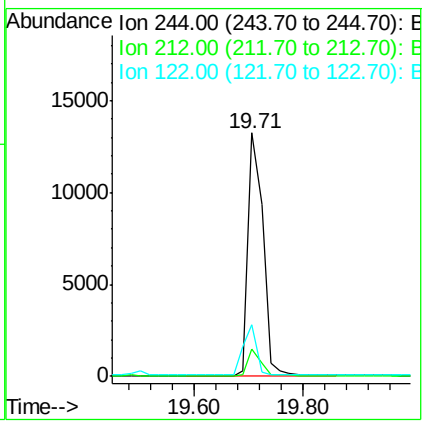


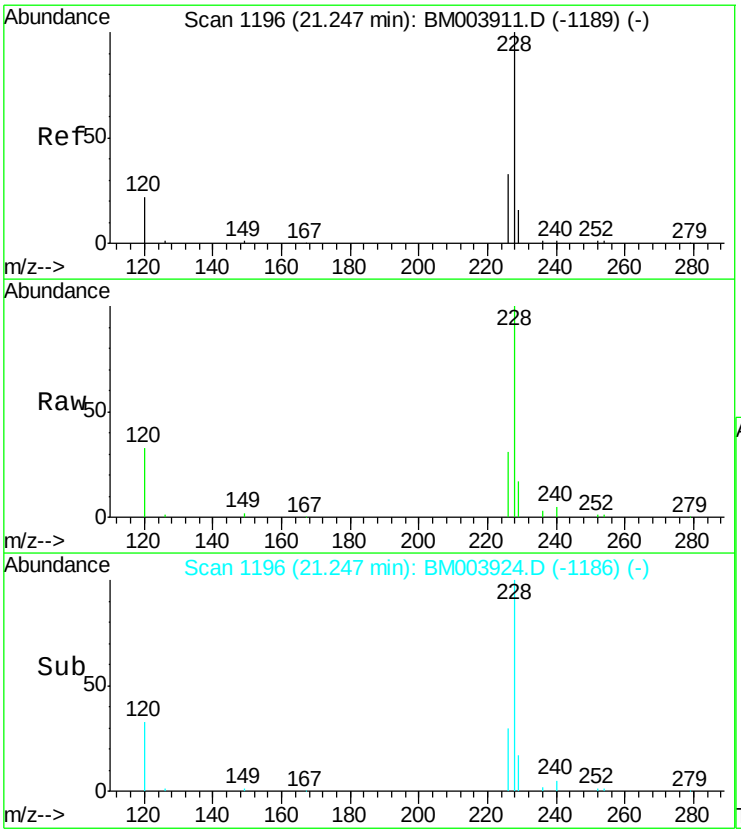
#29
Terphenyl-d14
Concen: 0.85 ng
RT: 19.71 min Scan# 1113
Delta R.T. -0.02 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:244 Resp: 24660

Ion	Ratio	Lower	Upper
244	100		
212	11.3	7.0	10.6#
122	21.4	3.0	4.6#

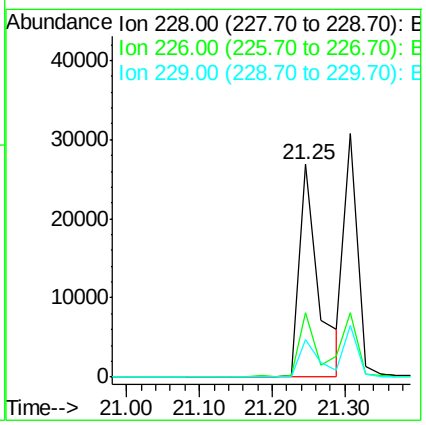


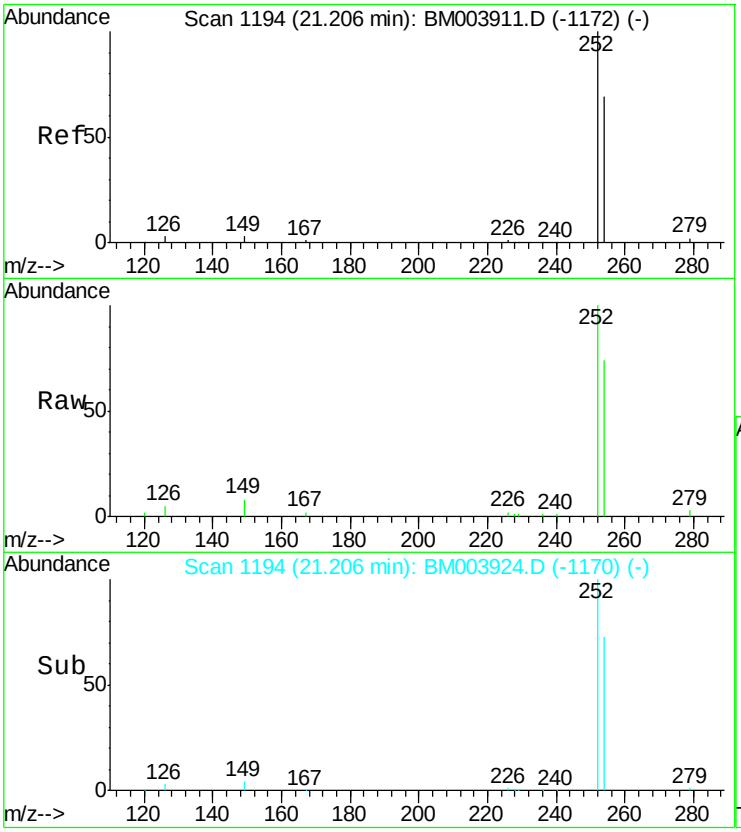


#30
Benzo(a)anthracene
Concen: 0.97 ng
RT: 21.25 min Scan# 1196
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Tgt Ion:228 Resp: 49390

Ion	Ratio	Lower	Upper
228	100		
226	30.5	17.2	25.8#
229	17.5	18.7	28.1#



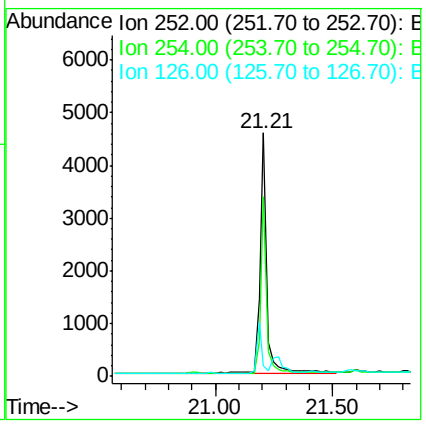


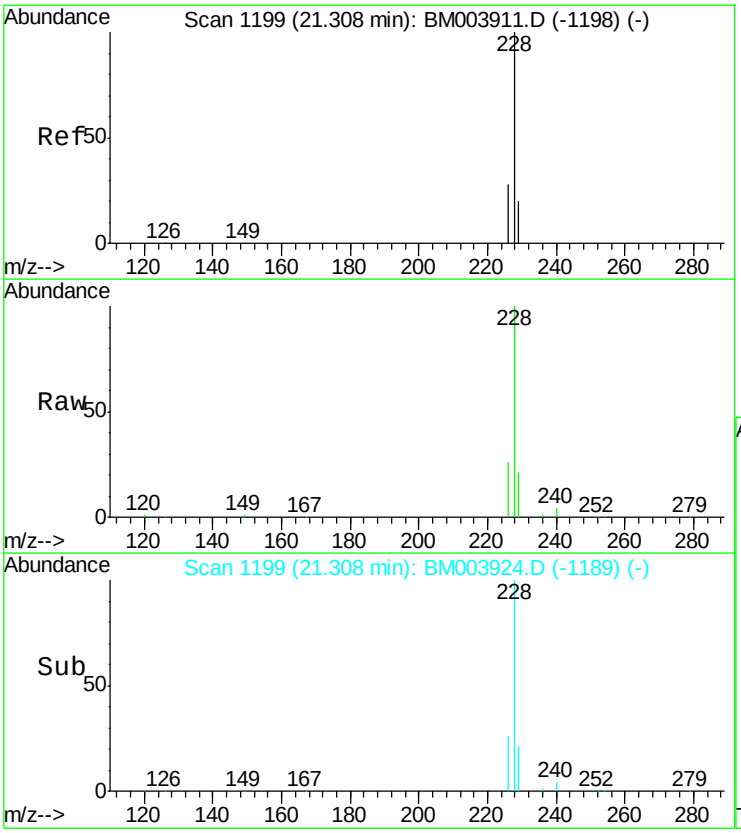
#31
3,3'-Dichlorobenzidine
Concen: 0.78 ng
RT: 21.21 min Scan# 1194
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:252 Resp: 9059

Ion	Ratio	Lower	Upper
252	100		
254	73.5	52.6	79.0
126	4.6	3.7	5.5

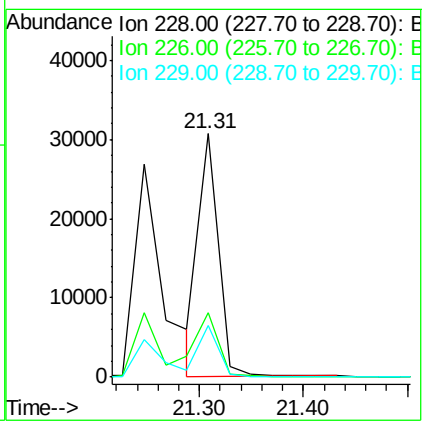


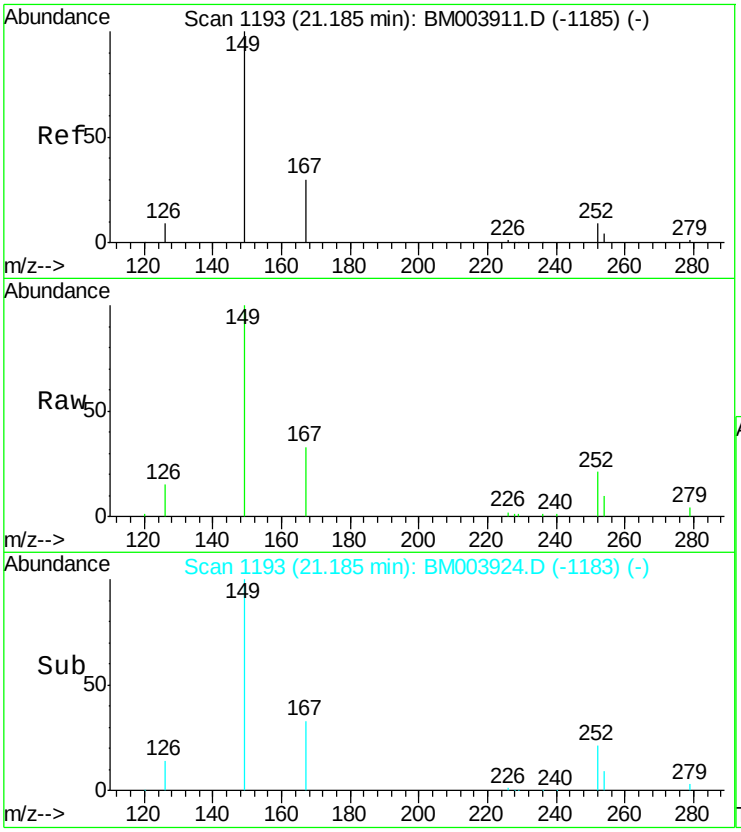


#32
Chrysene
Concen: 0.76 ng
RT: 21.31 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Tgt Ion:228 Resp: 40034

Ion	Ratio	Lower	Upper
228	100		
226	26.3	25.3	37.9
229	21.0	14.5	21.7



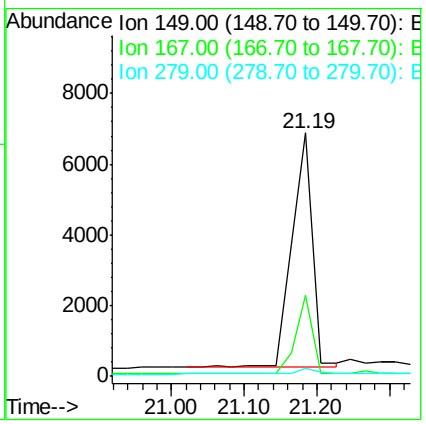


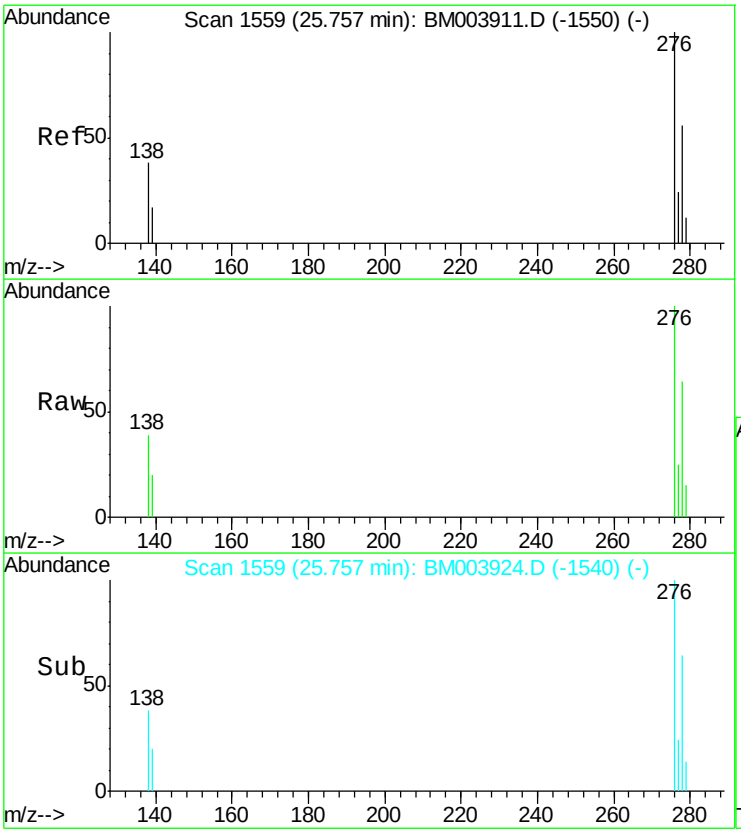
#33
Bis(2-ethylhexyl)phthalate
Concen: 0.74 ng
RT: 21.19 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:149 Resp: 12909

Ion	Ratio	Lower	Upper
149	100		
167	27.1	20.1	30.1
279	2.7	0.0	0.0#

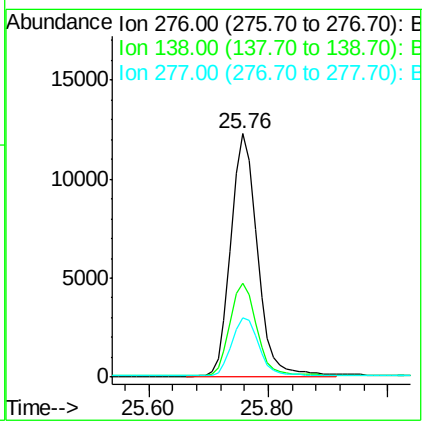


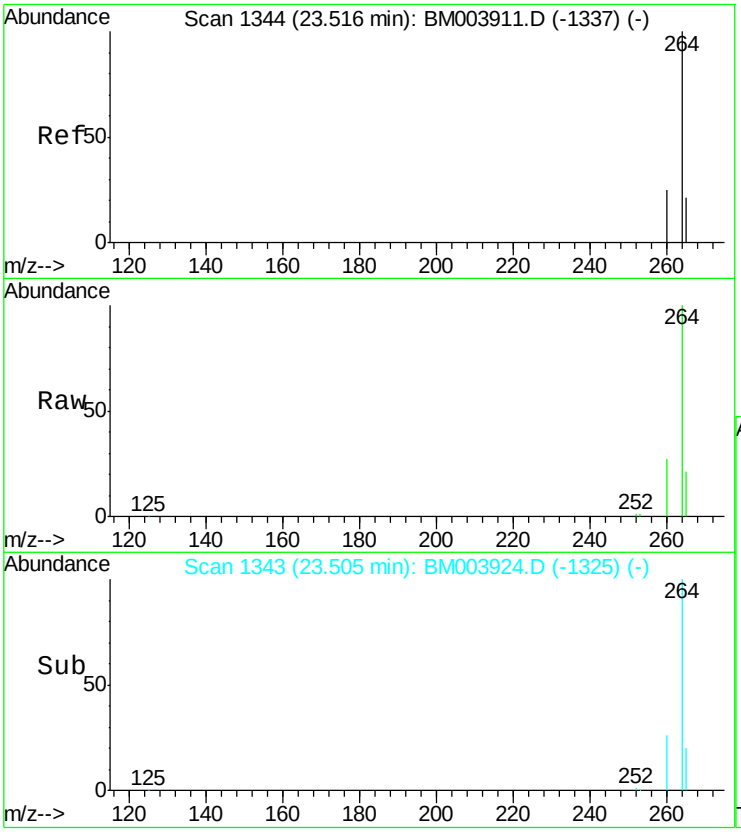


#34
Indeno(1,2,3-cd)pyrene
Concen: 1.00 ng
RT: 25.76 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Tgt Ion:276 Resp: 37688

Ion	Ratio	Lower	Upper
276	100		
138	38.8	30.2	45.2
277	24.7	19.8	29.8



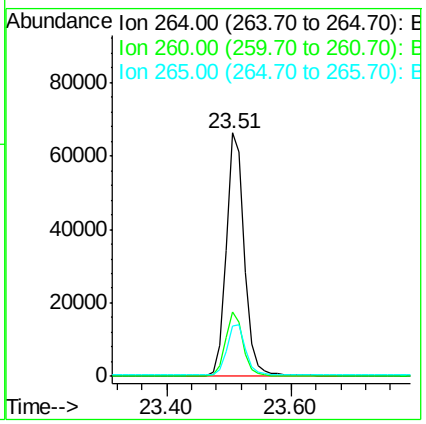


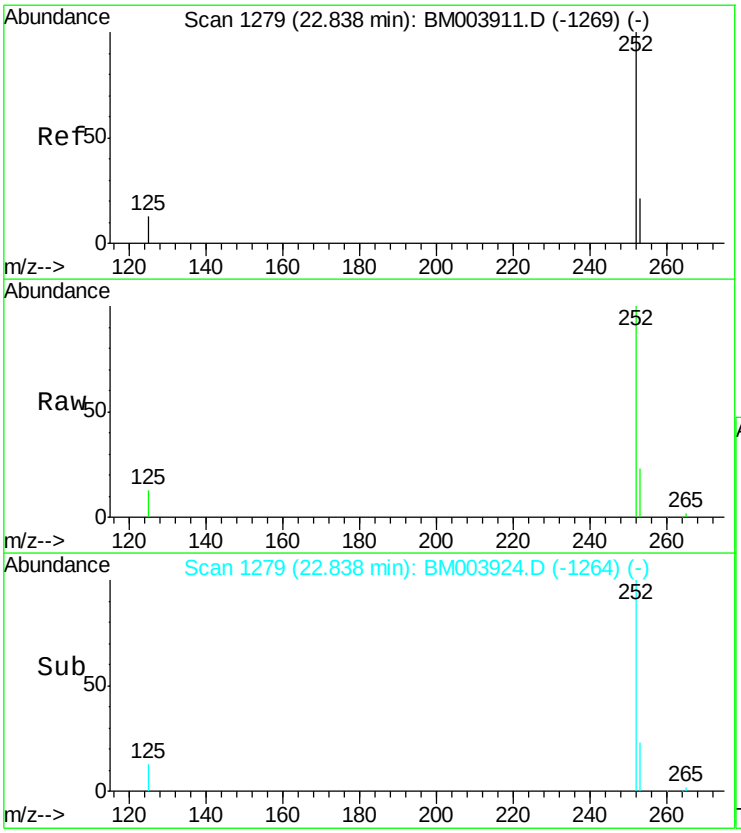
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.51 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:264 Resp: 135335

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.2	31.8
265	20.8	16.7	25.1

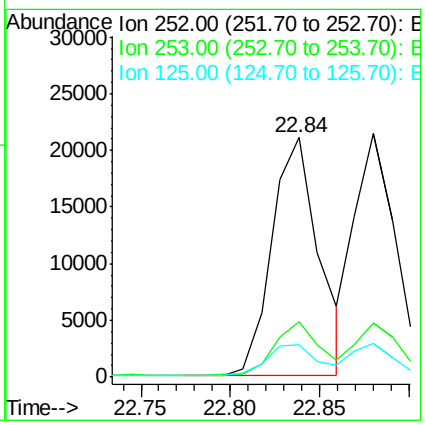


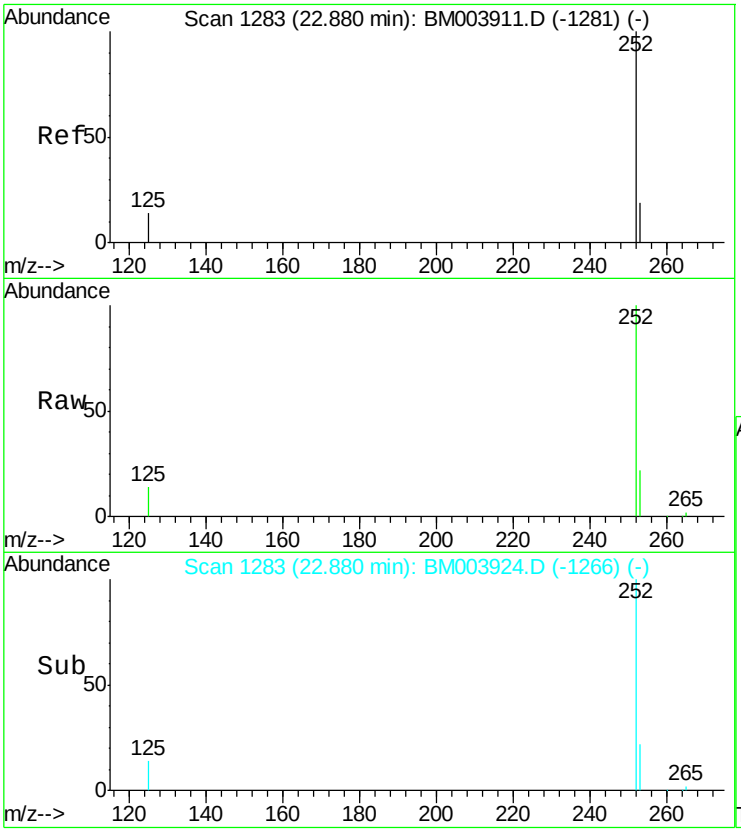


#36
Benzo(b)fluoranthene
Concen: 0.93 ng
RT: 22.84 min Scan# 1279
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Tgt Ion:252 Resp: 38548

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.8	28.2
125	13.3	10.2	15.4



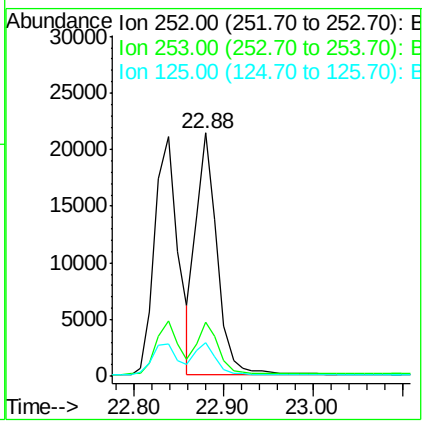


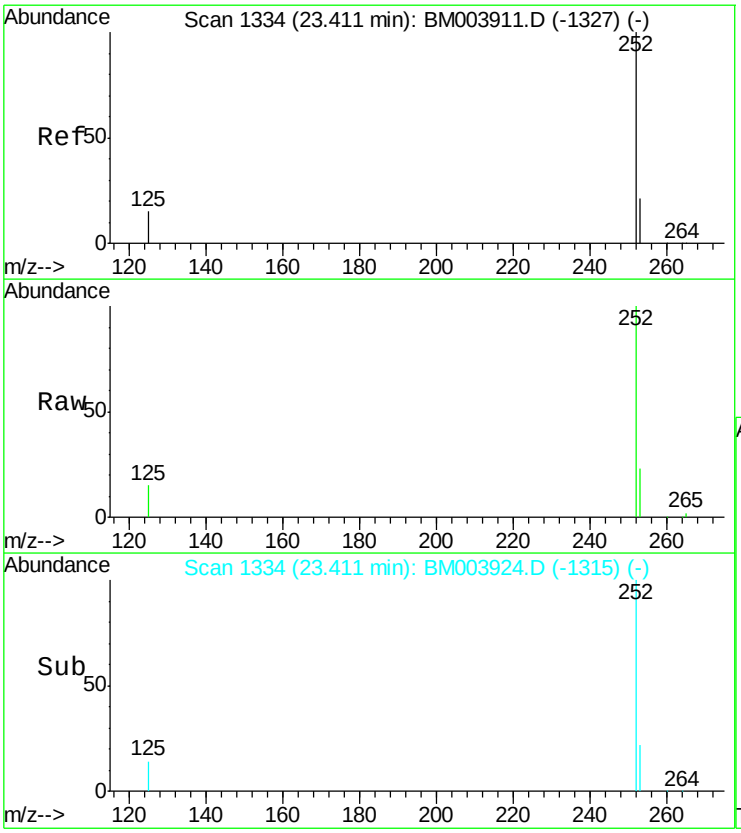
#37
Benzo(k)fluoranthene
Concen: 0.88 ng
RT: 22.88 min Scan# 1283
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:252 Resp: 35288

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.3	27.5
125	13.9	10.6	15.8

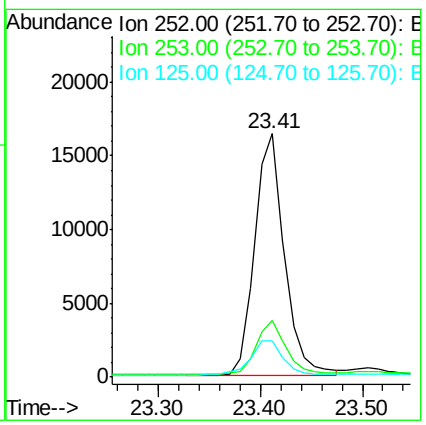


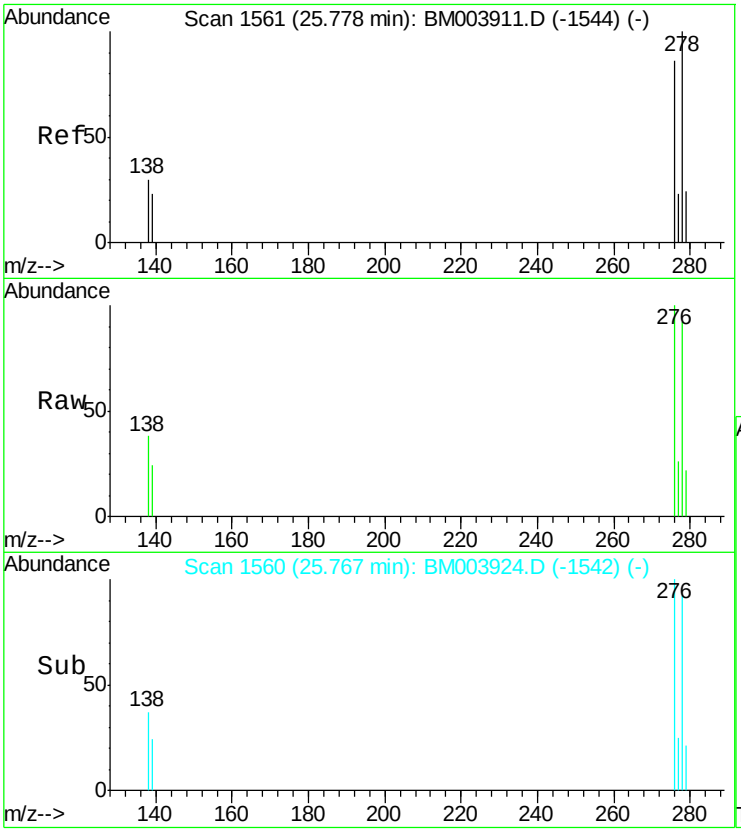


#38
Benzo(a)pyrene
Concen: 0.94 ng
RT: 23.41 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Tgt Ion:252 Resp: 32984

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.7	28.1
125	15.0	11.8	17.8



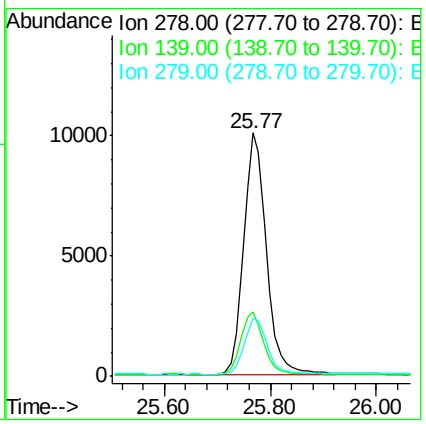


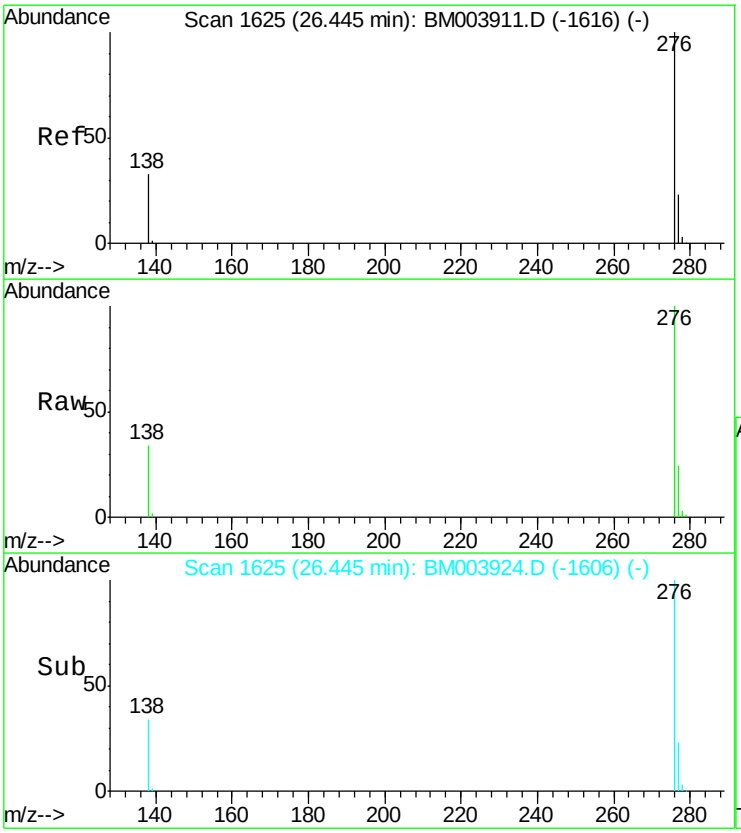
#39
Dibenzo(a,h)anthracene
Concen: 1.00 ng
RT: 25.77 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:278 Resp: 30054

Ion	Ratio	Lower	Upper
278	100		
139	26.4	19.0	28.6
279	23.7	19.6	29.4





#40
Benzo(g,h,i)perylene
Concen: 1.02 ng
RT: 26.44 min Scan# 1625
Delta R.T. 0.00 min
Lab File: BM003924.D
Acq: 08 Jan 2016 16:10

Tgt Ion:276 Resp: 32587

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	34.3	25.0	37.4