Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030116\
Data File : BM004514.D
Acq On : 02 Mar 2016 11:30
Operator : SJ/UM
Sample : PB88423BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PB88423BS

Quant Time: Mar 02 15:27:44 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM030116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 02 14:46:57 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	19952	5.00	ng		0.00
7) Naphthalene-d8	10.39	136	75590	5.00	ng		0.00
13) Acenaphthene-d10	14.26	164	38047	5.00	ng		0.00
19) Phenanthrene-d10	17.01	188	90711	5.00	ng		0.00
26) Chrysene-d12	21.23	240	70029	5.00	ng		0.00
35) Perylene-d12	23.46	264	66058	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.21	112	31743	7.61	ng		-0.03
5) Phenol-d6	6.80	99	39387	7.12	ng		-0.03
8) Nitrobenzene-d5	8.77	82	15975	3.98	ng		-0.02
14) 2,4,6-Tribromophenol	15.77	330	9554	6.86	ng		-0.02
15) 2-Fluorobiphenyl	12.88	172	51323	4.33	ng		0.00
29) Terphenyl-d14	19.67	244	41681	3.99	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.10	88	6837	3.80	ng		98
3) n-Nitrosodimethylamine	3.41	42	5897	4.21	ng		96
6) bis(2-Chloroethyl)ether	7.04	93	17018	3.73	ng		94
9) Nitrobenzene	8.82	77	16550	3.62	ng		100
10) Naphthalene	10.42	128	66604	3.72	ng		96
11) Hexachlorobutadiene	10.72	225	11317	3.67	ng		99
12) 2-Methylnaphthalene	12.06	142	44576	4.14	ng		90
16) Acenaphthylene	13.97	152	73659	3.87	ng		99
17) Acenaphthene	14.33	154	40033	3.88	ng	#	75
18) Fluorene	15.33	166	50437	3.97	ng		99
20) 4-Bromophenyl-phenylether	16.19	248	12447	3.42	ng	#	1
21) Hexachlorobenzene	16.35	284	12733	3.88	ng	#	100
22) Pentachlorophenol	16.70	266	5856	7.12	ng		85
23) Phenanthrene	17.06	178	74878	4.19	ng		100
24) Anthracene	17.14	178	75324	3.48	ng		98
25) Fluoranthene	19.09	202	92286	3.95	ng		100
27) Benzidine	19.29	184	68224	7.42	ng	#	90
28) Pyrene	19.47	202	97607	4.12	ng		99
30) Benzo(a)anthracene	21.21	228	80996	3.74	ng		99
31) 3,3'-Dichlorobenzidine	21.16	252	30654	4.58	ng	#	88
32) Chrysene	21.27	228	85509	4.20	ng		99
33) Bis(2-ethylhexyl)phthalate	21.12	149	47772	3.40	ng	#	99
34) Indeno(1,2,3-cd)pyrene	25.69	276	84184	4.10	ng		100
36) Benzo(b)fluoranthene	22.79	252	85003	4.21	ng		96
37) Benzo(k)fluoranthene	22.84	252	85921	4.25	ng		98
38) Benzo(a)pyrene	23.36	252	77247	3.94	ng		96
39) Dibenzo(a,h)anthracene	25.69	278	66531	4.10	ng		97
40) Benzo(g,h,i)perylene	26.38	276	72868	3.96	ng		98

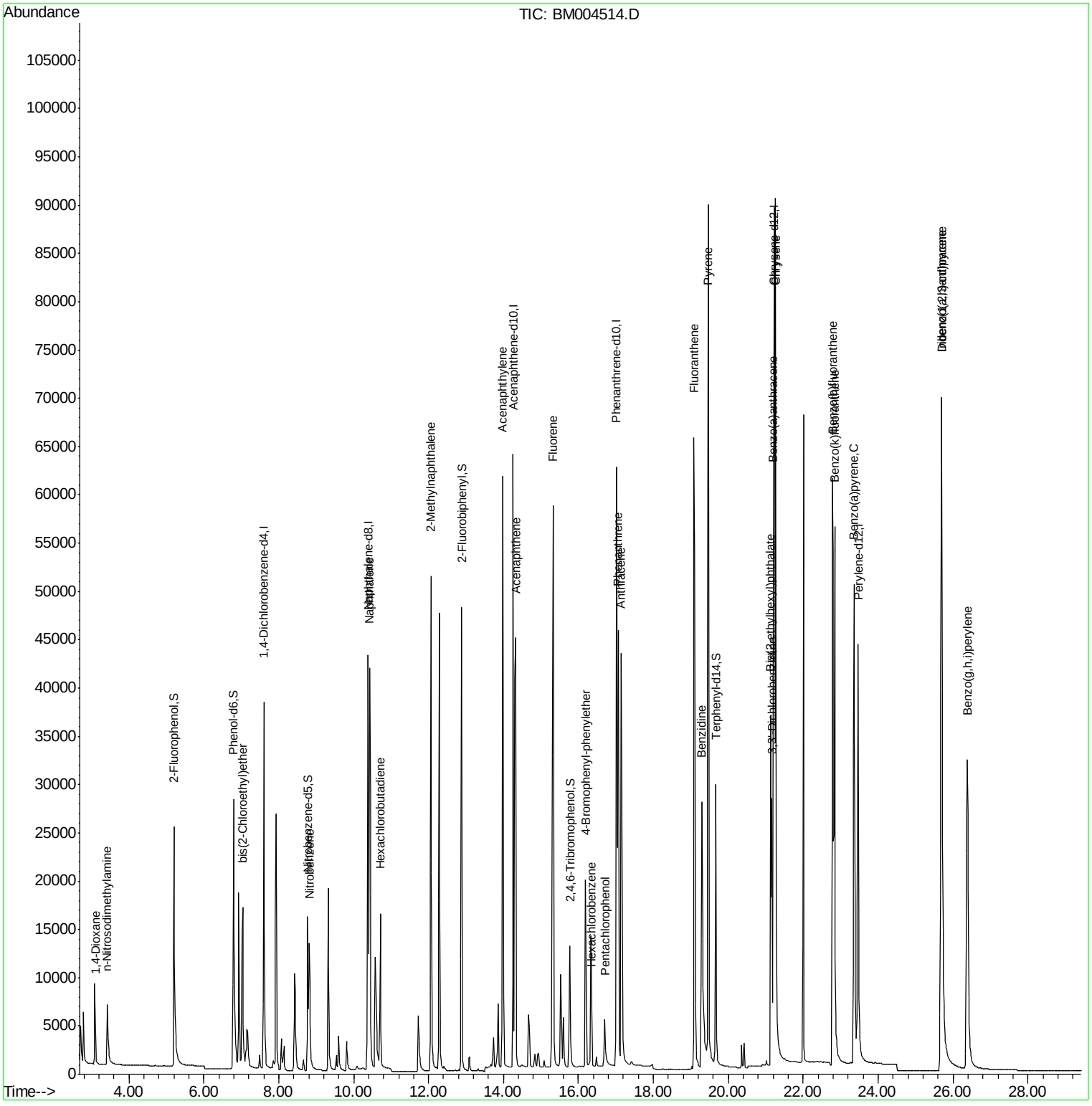
(#) = qualifier out of range (m) = manual integration (+) = signals summed

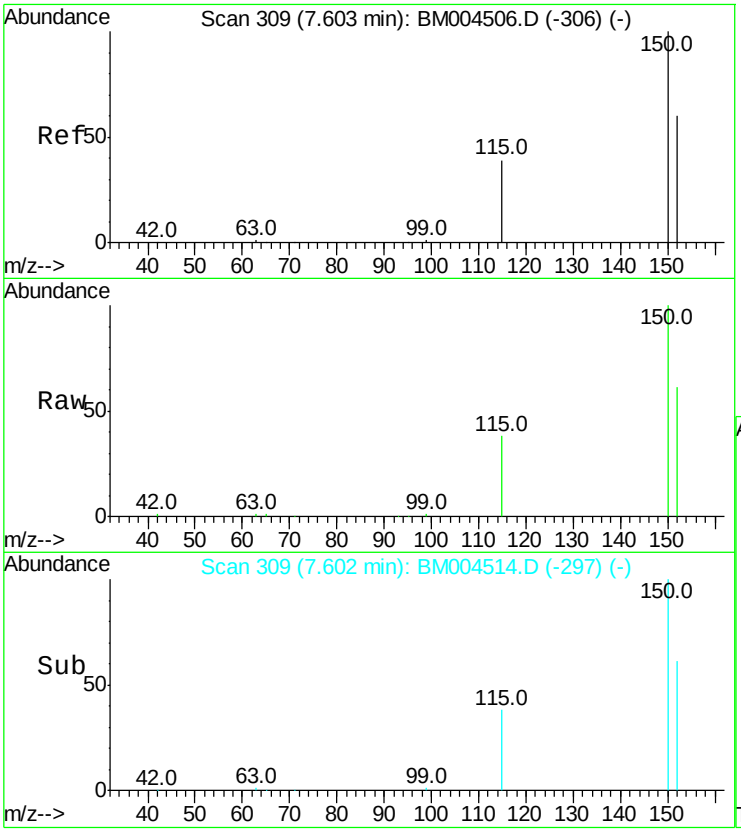
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030116\
Data File : BM004514.D
Acq On : 02 Mar 2016 11:30
Operator : SJ/UM
Sample : PB88423BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB88423BS

Quant Time: Mar 02 15:27:44 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM030116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 02 14:46:57 2016
Response via : Initial Calibration



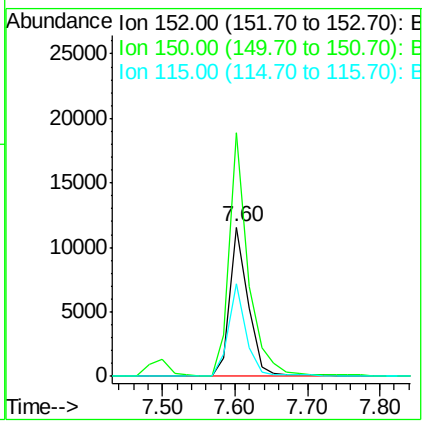


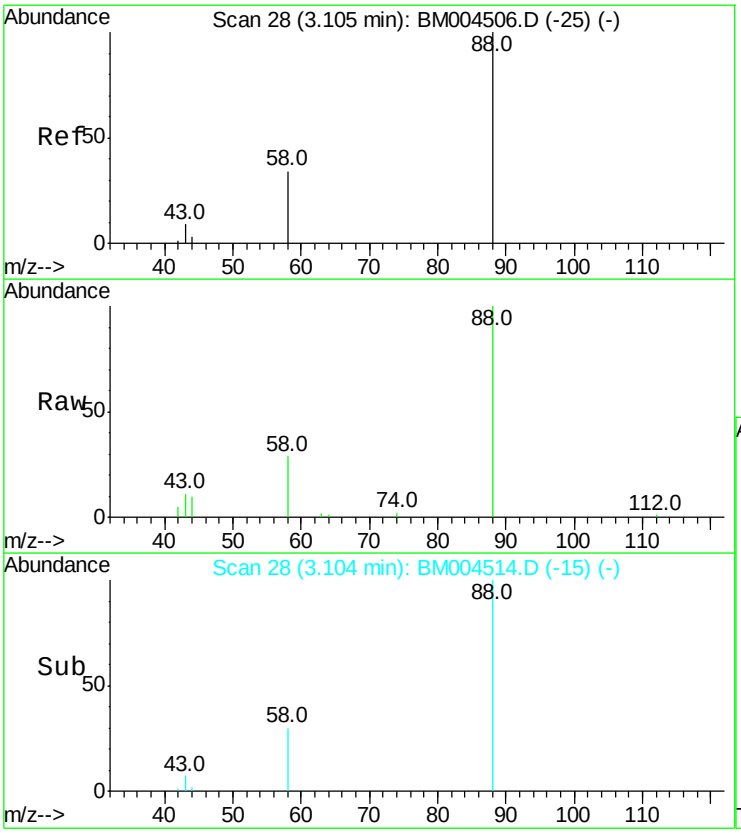
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.60 min Scan# 309
Delta R.T. -0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Instrument :
BNA_M
ClientSampleId :
PB88423BS

Tgt Ion:152 Resp: 19952

Ion	Ratio	Lower	Upper
152	100		
150	162.9	134.2	201.2
115	62.3	52.2	78.4

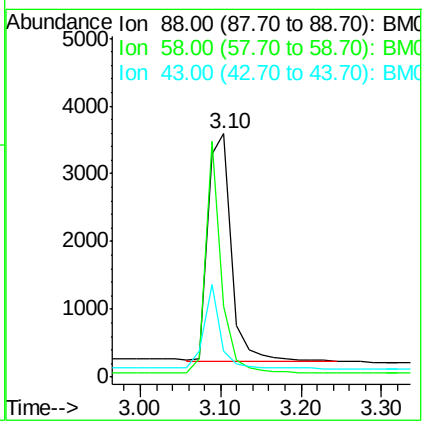


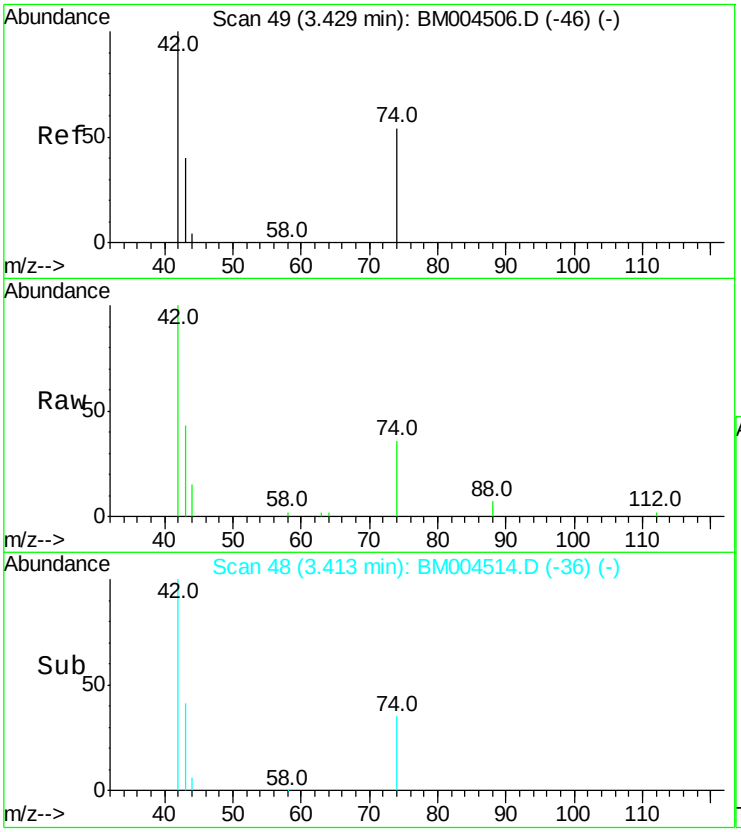


#2
1,4-Dioxane
Concen: 3.80 ng
RT: 3.10 min Scan# 28
Delta R.T. 0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion: 88 Resp: 6837

Ion	Ratio	Lower	Upper
88	100		
58	68.1	52.9	79.3
43	25.7	20.8	31.2



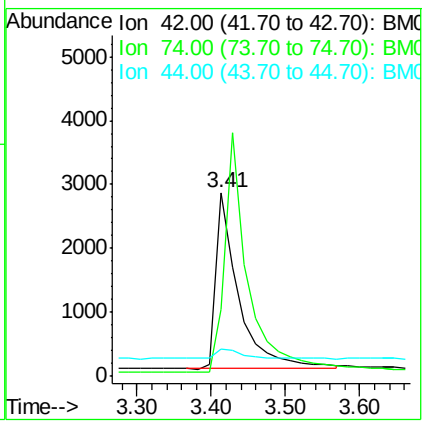


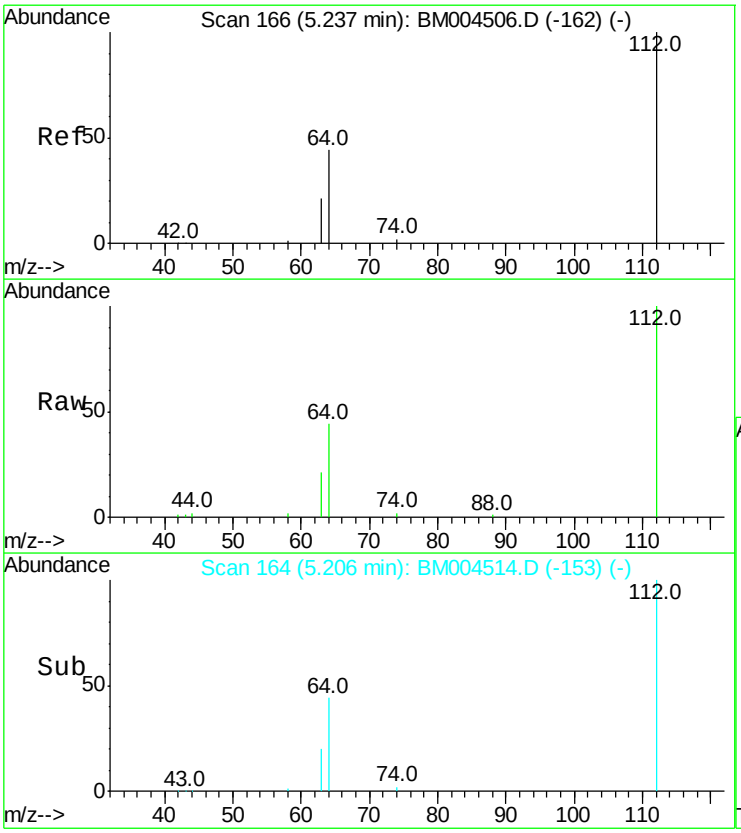
#3
n-Nitrosodimethylamine
Concen: 4.21 ng
RT: 3.41 min Scan# 48
Delta R.T. -0.02 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Instrument :
BNA_M
ClientSampleId :
PB88423BS

Tgt Ion: 42 Resp: 5897

Ion	Ratio	Lower	Upper
42	100		
74	139.4	115.5	173.3
44	6.4	6.2	9.4

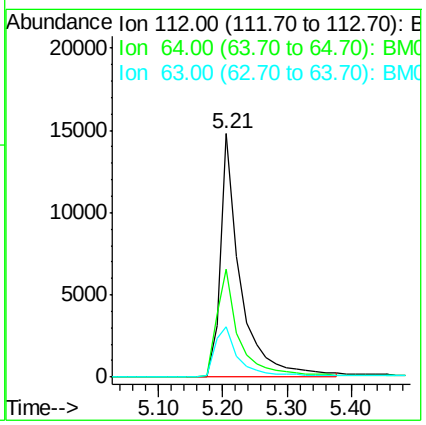


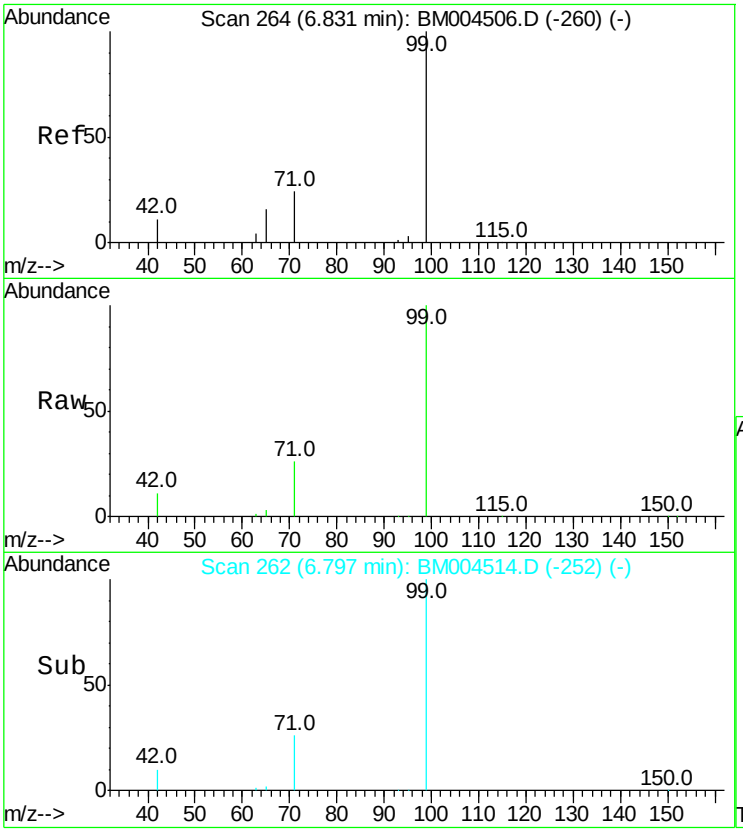


#4
2-Fluorophenol
Concen: 7.61 ng
RT: 5.21 min Scan# 164
Delta R.T. -0.03 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion:112 Resp: 31743

Ion	Ratio	Lower	Upper
112	100		
64	49.2	37.0	55.6
63	24.7	19.0	28.4



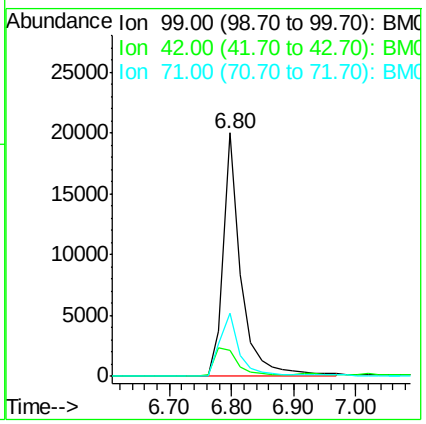


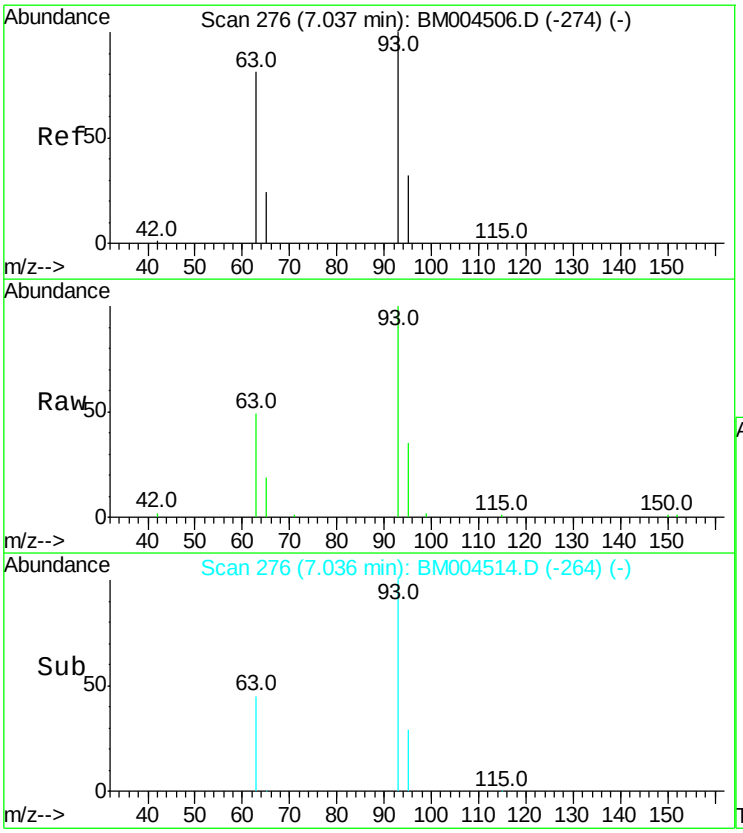
#5
Phenol-d6
Concen: 7.12 ng
RT: 6.80 min Scan# 262
Delta R.T. -0.03 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Instrument :
BNA_M
ClientSampleId :
PB88423BS

Tgt Ion: 99 Resp: 39387

Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.2	18.4
71	28.8	23.4	35.2

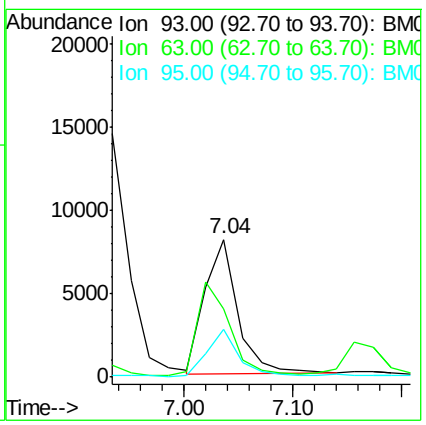


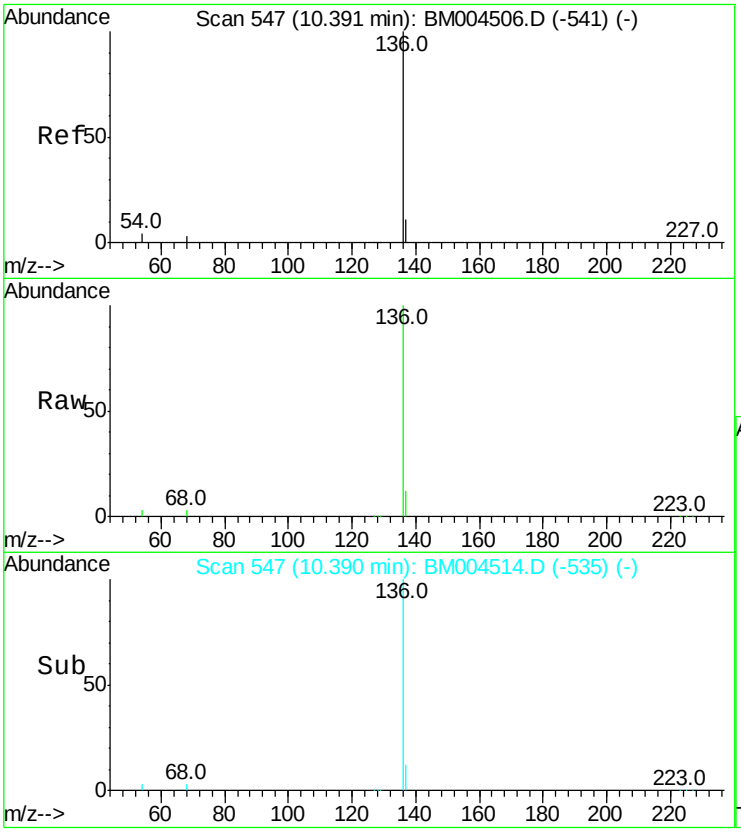


#6
bis(2-Chloroethyl)ether
Concen: 3.73 ng
RT: 7.04 min Scan# 276
Delta R.T. 0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion: 93 Resp: 17018

Ion	Ratio	Lower	Upper
93	100		
63	69.3	51.1	76.7
95	33.0	25.0	37.6



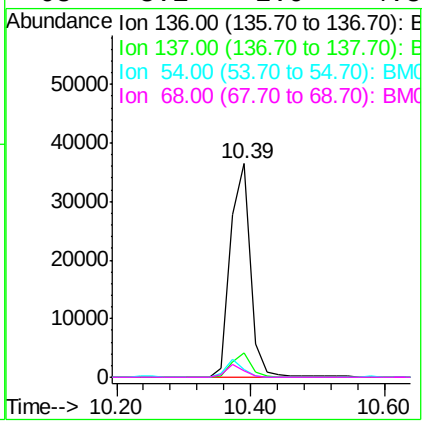


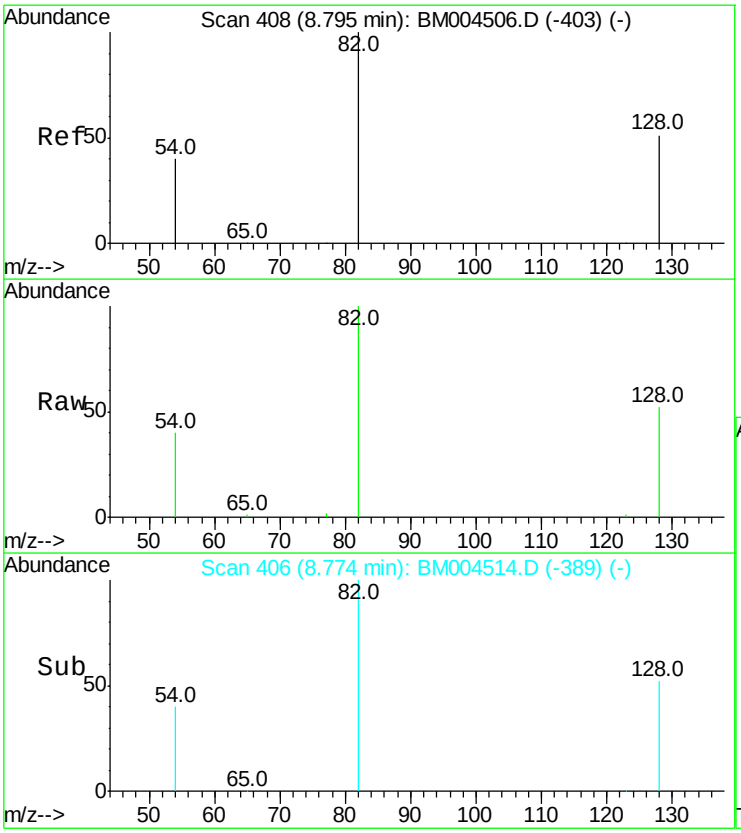
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.39 min Scan# 547
Delta R.T. -0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Instrument :
BNA_M
ClientSampleId :
PB88423BS

Tgt Ion:136 Resp: 75590

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.0	13.6
54	3.4	3.3	4.9
68	3.1	2.9	4.3

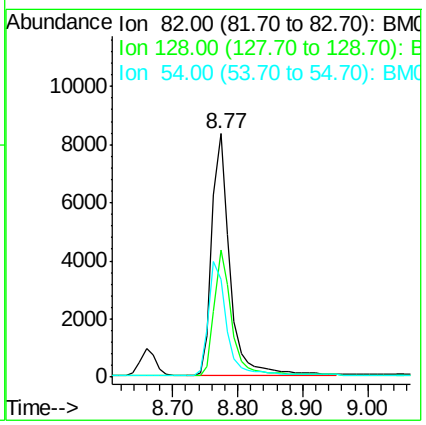


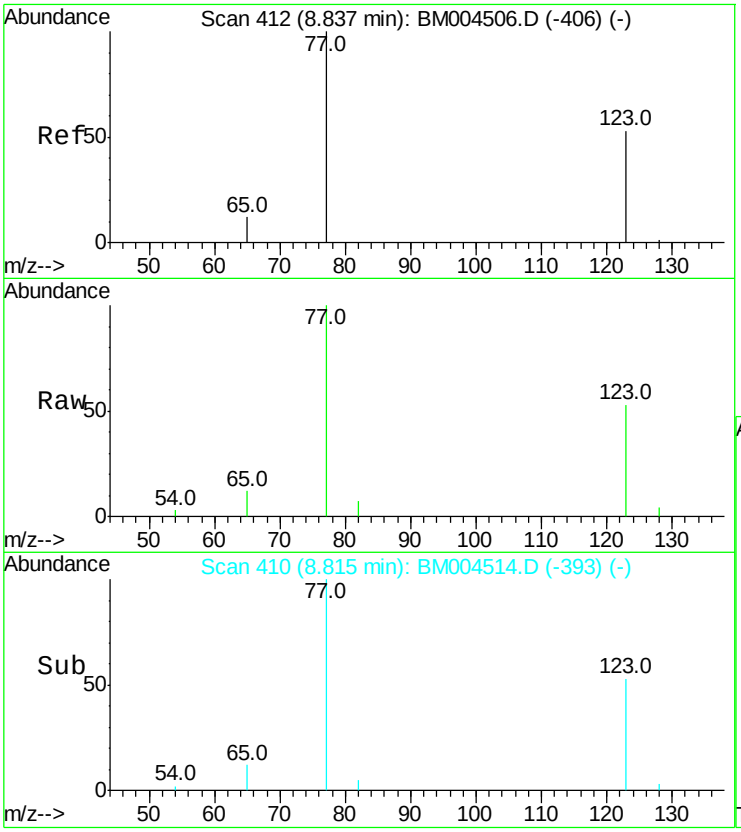


#8
Nitrobenzene-d5
Concen: 3.98 ng
RT: 8.77 min Scan# 406
Delta R.T. -0.02 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion: 82 Resp: 15975

Ion	Ratio	Lower	Upper
82	100		
128	52.1	41.9	62.9
54	40.0	34.2	51.2



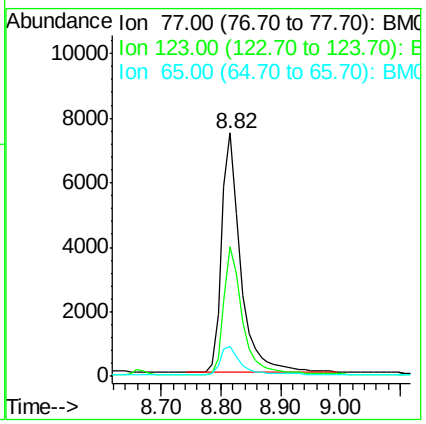


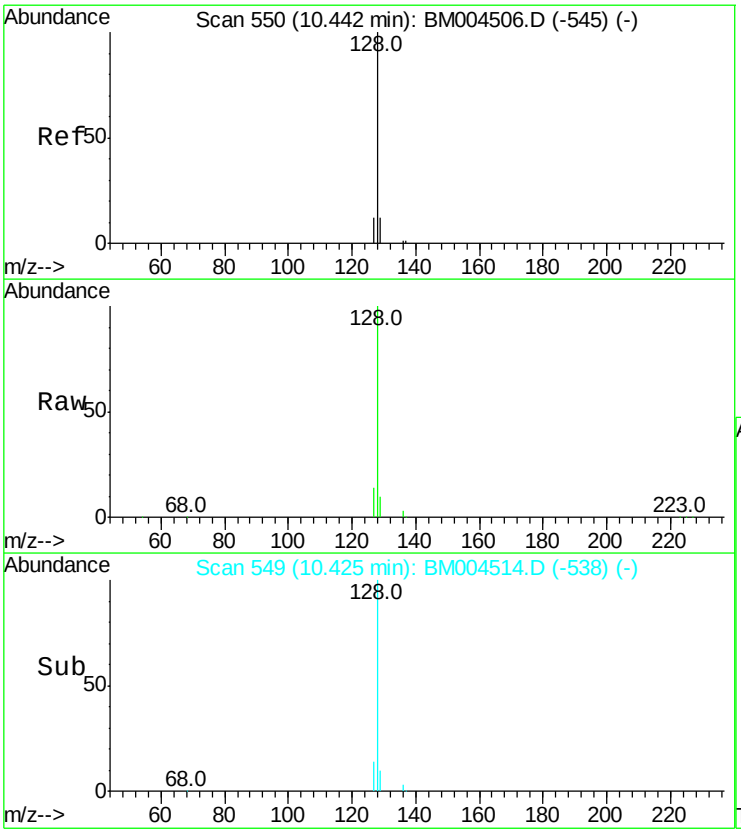
#9
Nitrobenzene
Concen: 3.62 ng
RT: 8.82 min Scan# 410
Delta R.T. -0.02 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Instrument :
BNA_M
ClientSampleId :
PB88423BS

Tgt Ion: 77 Resp: 16550

Ion	Ratio	Lower	Upper
77	100		
123	53.1	42.5	63.7
65	12.4	10.0	15.0

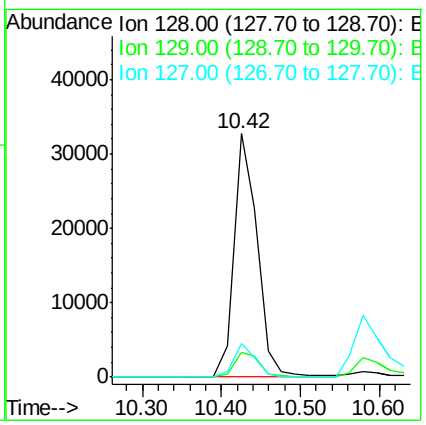


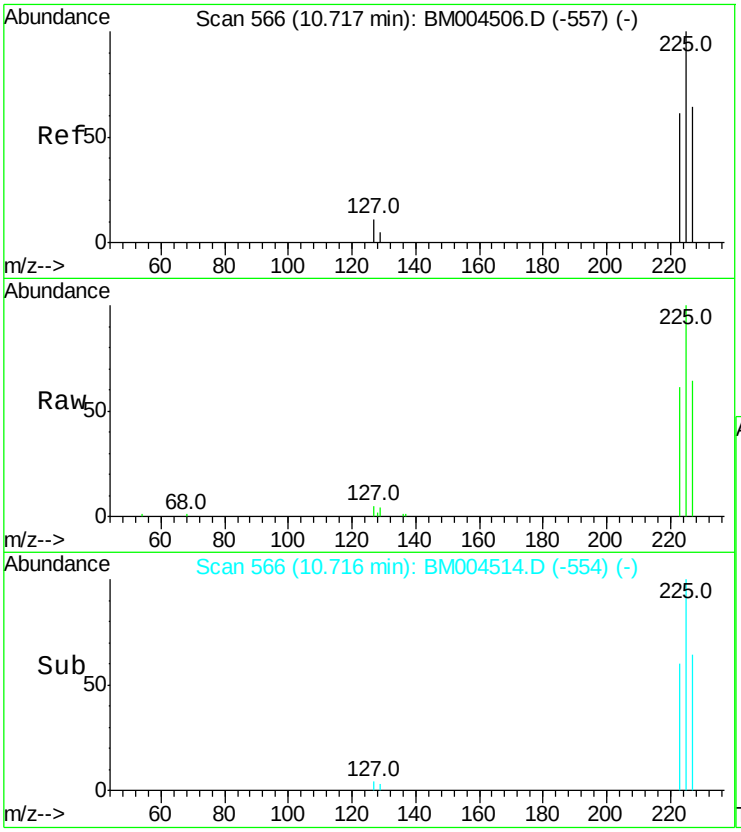


#10
Naphthalene
Concen: 3.72 ng
RT: 10.42 min Scan# 549
Delta R.T. -0.02 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion:128 Resp: 66604

Ion	Ratio	Lower	Upper
128	100		
129	10.3	9.8	14.6
127	13.9	9.9	14.9



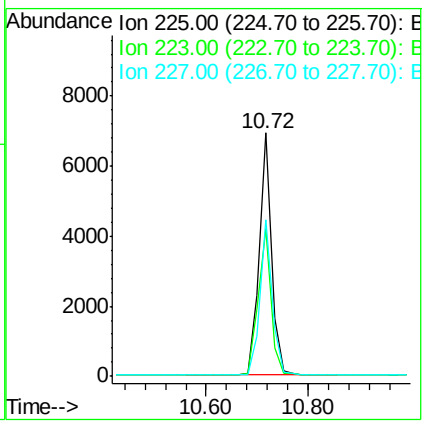


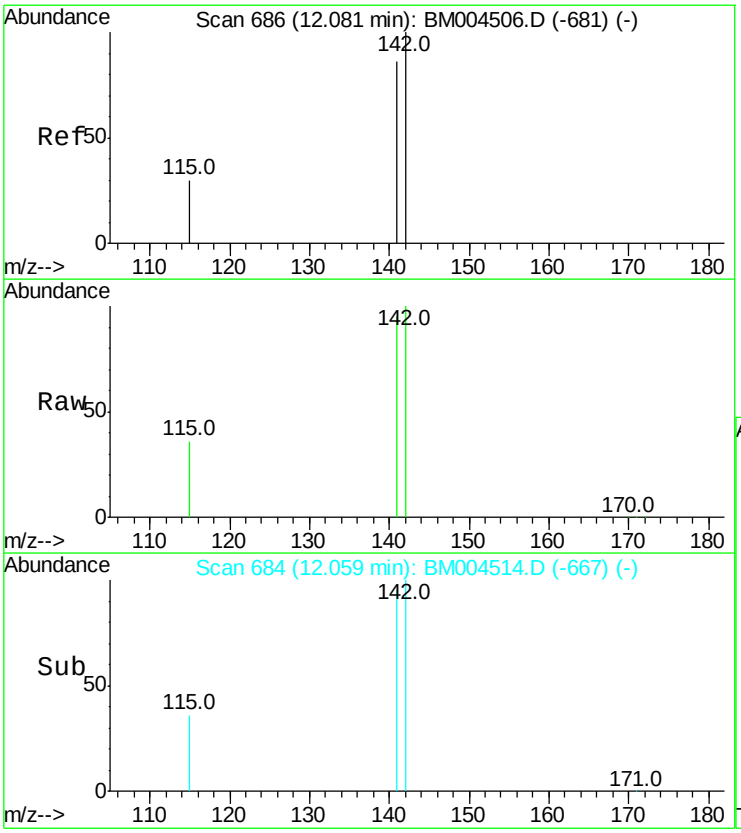
#11
Hexachlorobutadiene
Concen: 3.67 ng
RT: 10.72 min Scan# 566
Delta R.T. -0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Instrument :
BNA_M
ClientSampleId :
PB88423BS

Tgt Ion:225 Resp: 11317

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.7	76.1
227	63.6	51.1	76.7

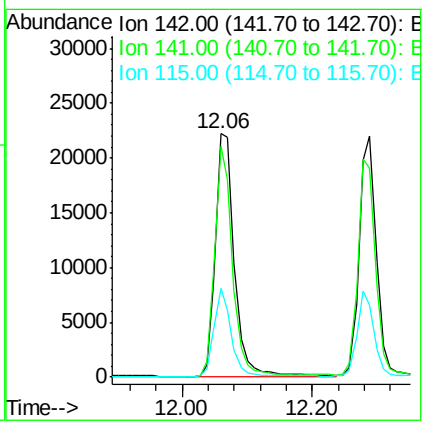


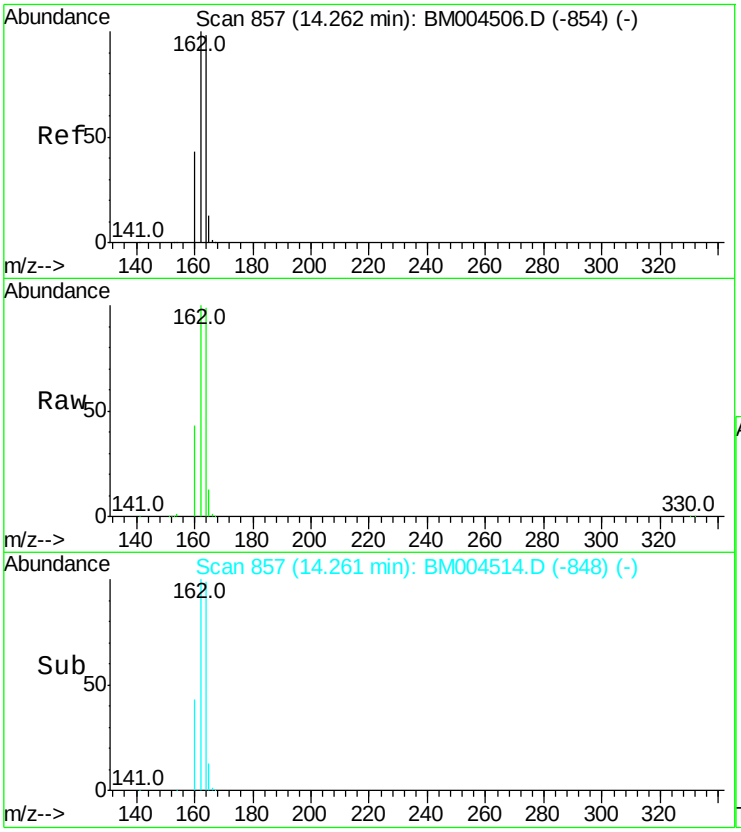


#12
2-Methylnaphthalene
Concen: 4.14 ng
RT: 12.06 min Scan# 684
Delta R.T. -0.02 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion:142 Resp: 44576

Ion	Ratio	Lower	Upper
142	100		
141	94.8	68.5	102.7
115	36.4	24.6	36.8



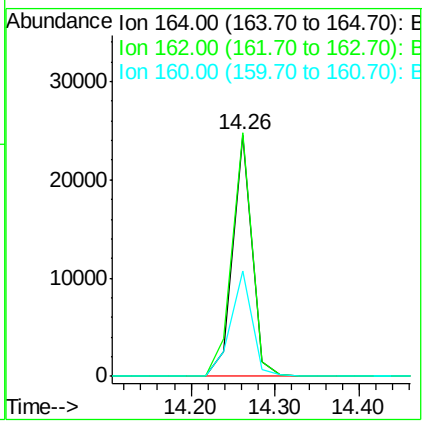


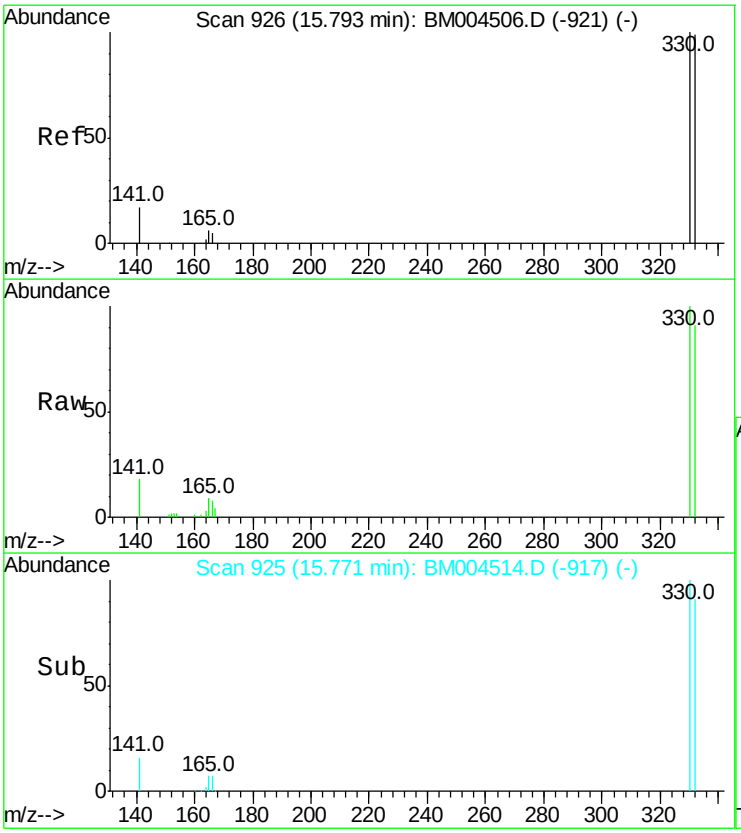
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.26 min Scan# 857
Delta R.T. -0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Instrument :
BNA_M
ClientSampleId :
PB88423BS

Tgt Ion:164 Resp: 38047

Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.6	122.4
160	43.4	34.9	52.3

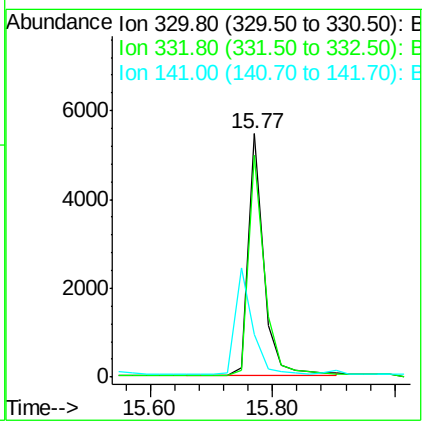


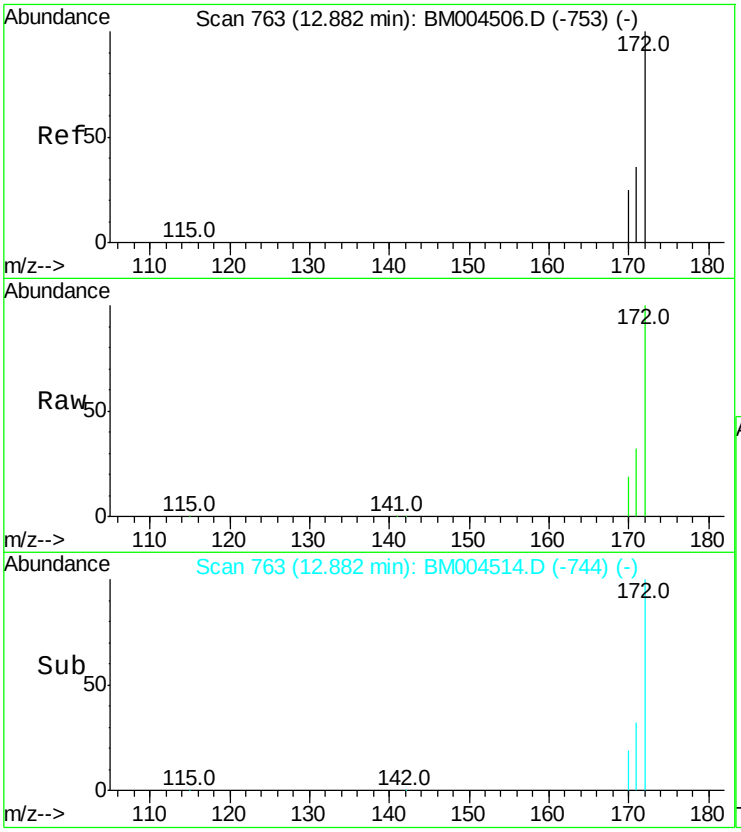


#14
2,4,6-Tribromophenol
Concen: 6.86 ng
RT: 15.77 min Scan# 925
Delta R.T. -0.02 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion:330 Resp: 9554

Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.6	114.8
141	0.0	0.0	0.0



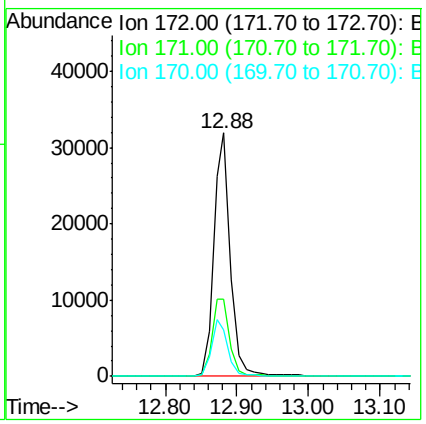


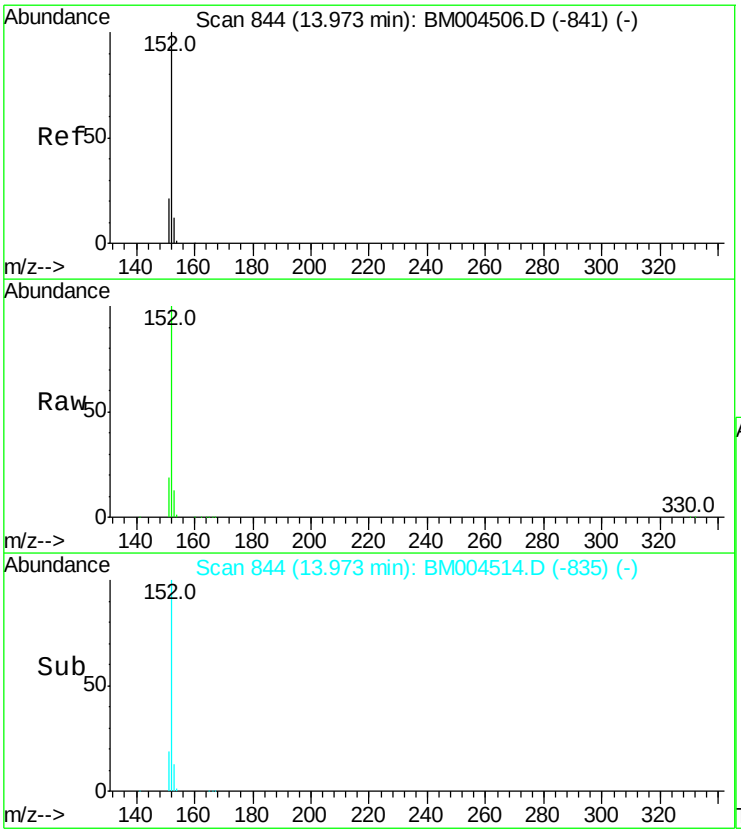
#15
2-Fluorobiphenyl
Concen: 4.33 ng
RT: 12.88 min Scan# 763
Delta R.T. 0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Instrument : BNA_M
ClientSampleId : PB88423BS

Tgt Ion:172 Resp: 51323

Ion	Ratio	Lower	Upper
172	100		
171	31.8	29.5	44.3
170	18.9	20.2	30.2#

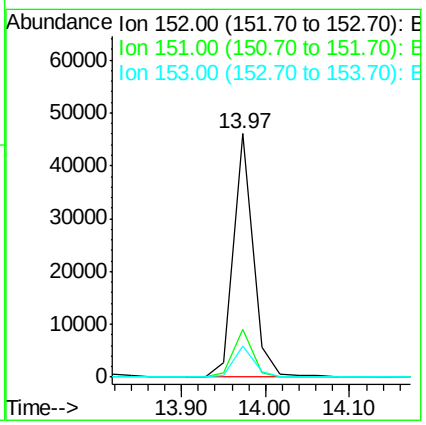


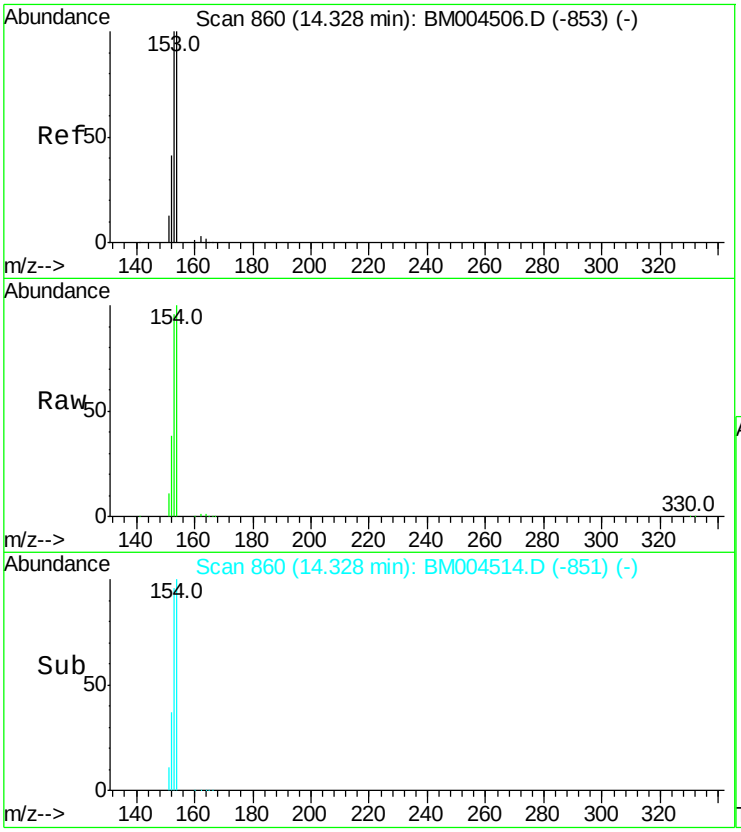


#16
Acenaphthylene
Concen: 3.87 ng
RT: 13.97 min Scan# 844
Delta R.T. -0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion:152 Resp: 73659

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.6
153	13.0	10.2	15.4



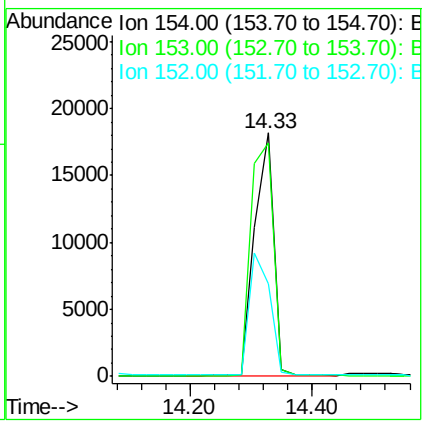


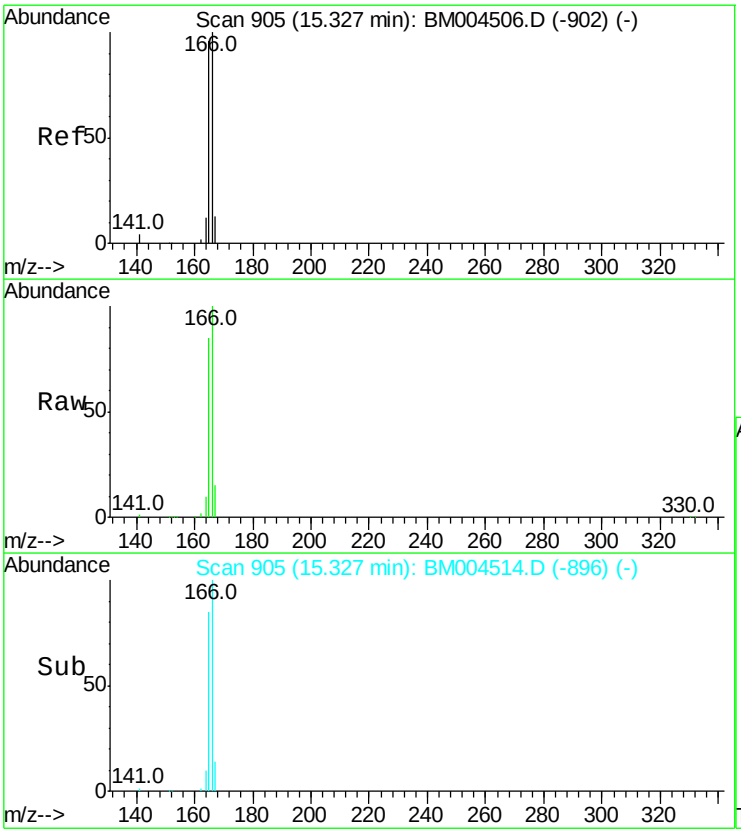
#17
Acenaphthene
Concen: 3.88 ng
RT: 14.33 min Scan# 860
Delta R.T. -0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Instrument :
BNA_M
ClientSampleId :
PB88423BS

Tgt Ion:154 Resp: 40033

Ion	Ratio	Lower	Upper
154	100		
153	113.1	88.7	133.1
152	0.0	41.8	62.8#

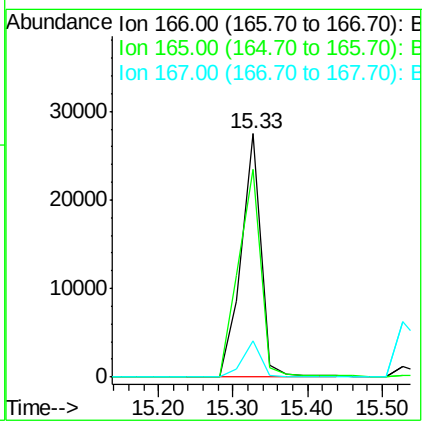


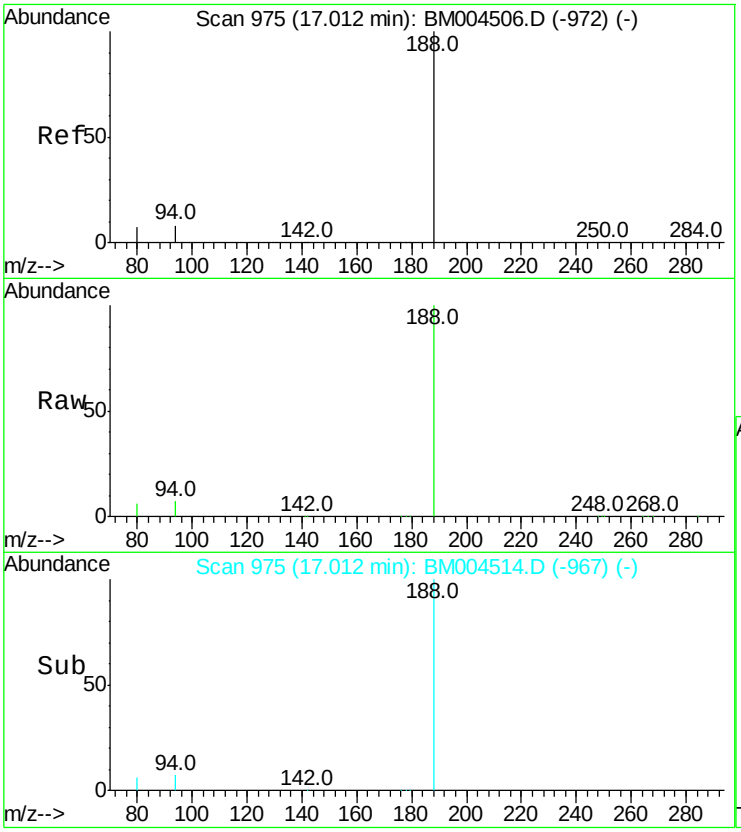


#18
Fluorene
Concen: 3.97 ng
RT: 15.33 min Scan# 905
Delta R.T. -0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion:166 Resp: 50437

Ion	Ratio	Lower	Upper
166	100		
165	96.1	77.8	116.6
167	13.6	10.8	16.2



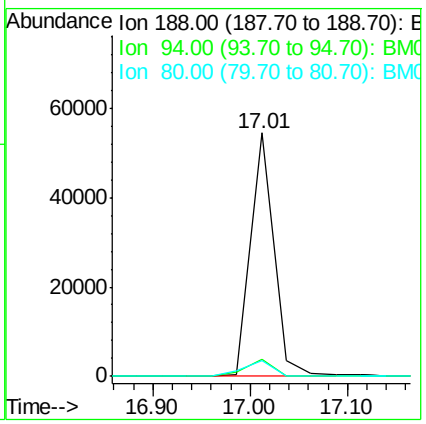


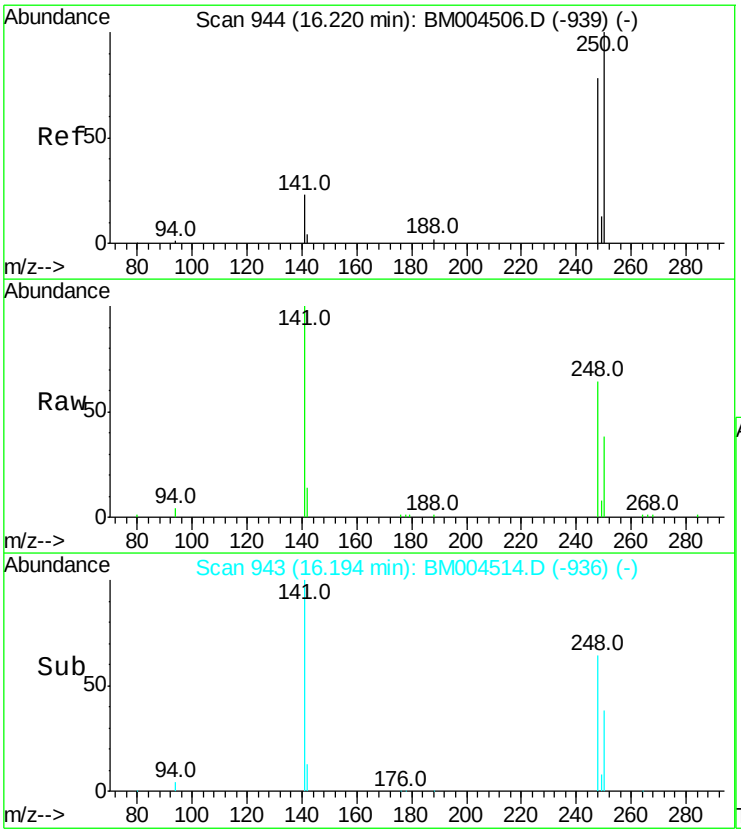
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.01 min Scan# 975
Delta R.T. -0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Instrument :
BNA_M
ClientSampleId :
PB88423BS

Tgt Ion:188 Resp: 90711

Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.3	9.5
80	6.5	5.9	8.9

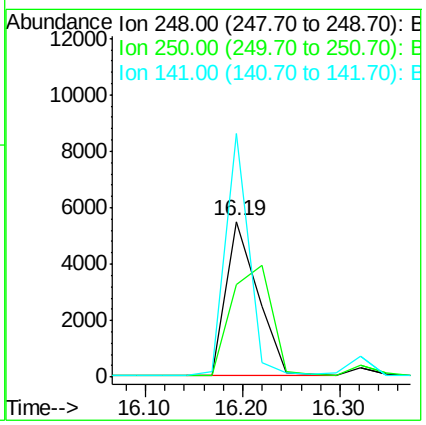


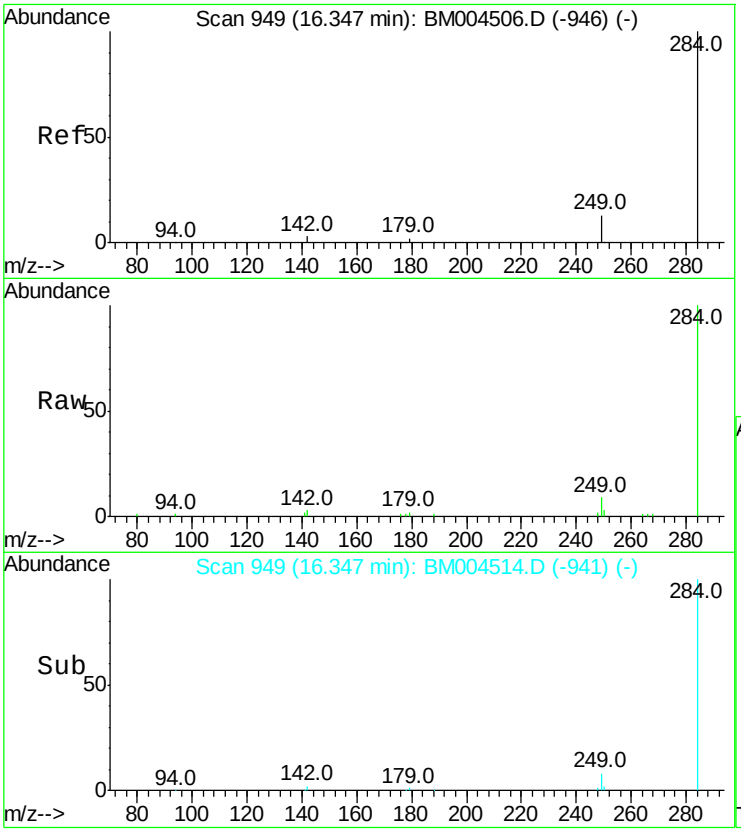


#20
4-Bromophenyl-phenylether
Concen: 3.42 ng
RT: 16.19 min Scan# 943
Delta R.T. -0.03 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion:248 Resp: 12447

Ion	Ratio	Lower	Upper
248	100		
250	0.0	85.8	128.8#
141	113.8	0.0	0.0#



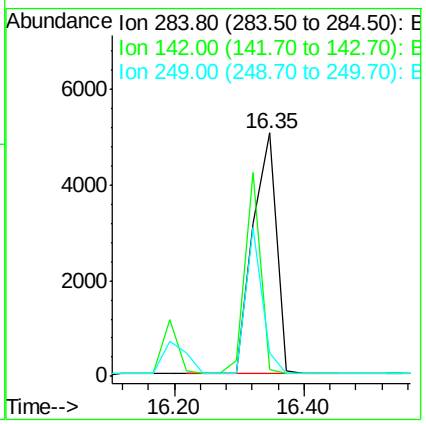


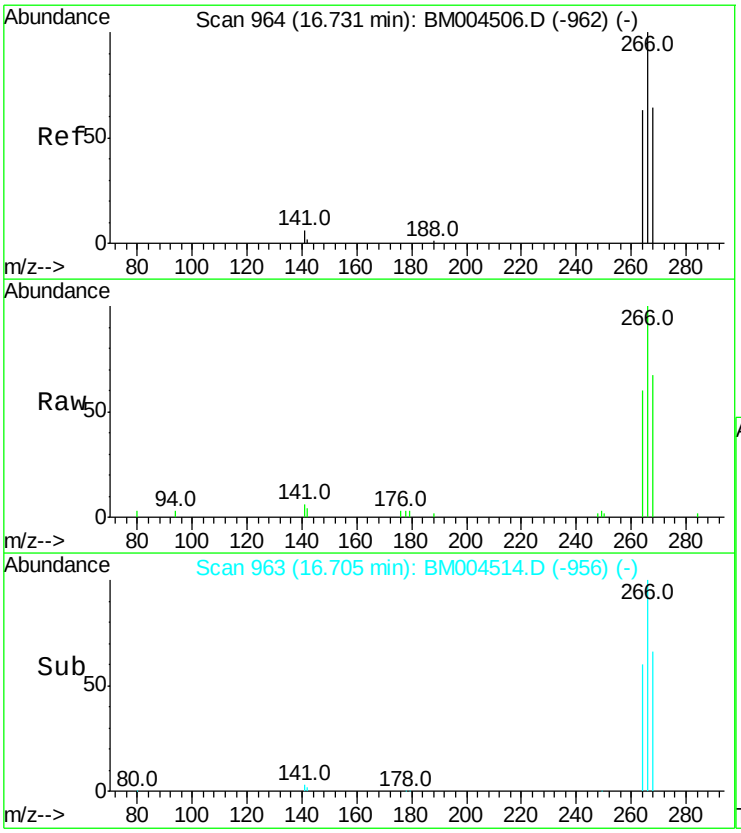
#21
Hexachlorobenzene
Concen: 3.88 ng
RT: 16.35 min Scan# 949
Delta R.T. 0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Instrument :
BNA_M
ClientSampleId :
PB88423BS

Tgt Ion:284 Resp: 12733

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0

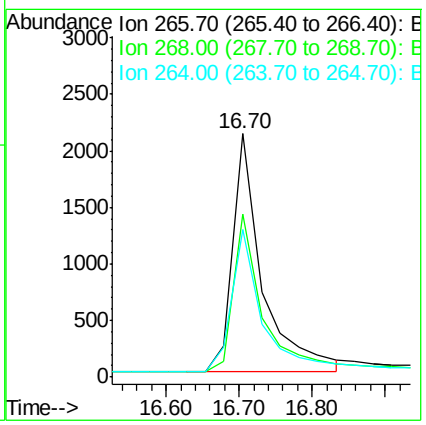


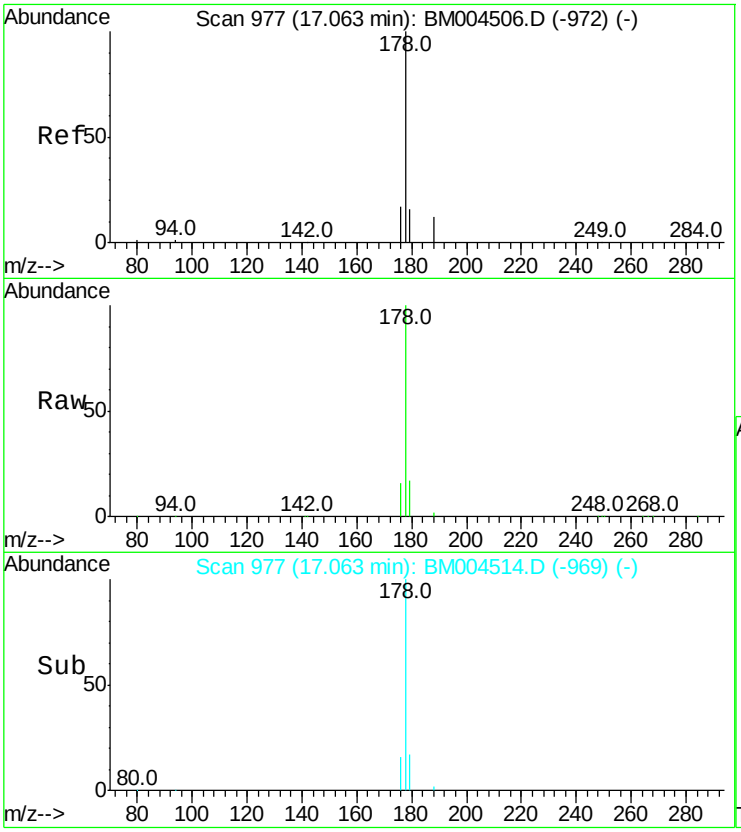


#22
Pentachlorophenol
Concen: 7.12 ng
RT: 16.70 min Scan# 963
Delta R.T. -0.03 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion:266 Resp: 5856

Ion	Ratio	Lower	Upper
266	100		
268	67.0	63.0	94.6
264	60.5	59.6	89.4



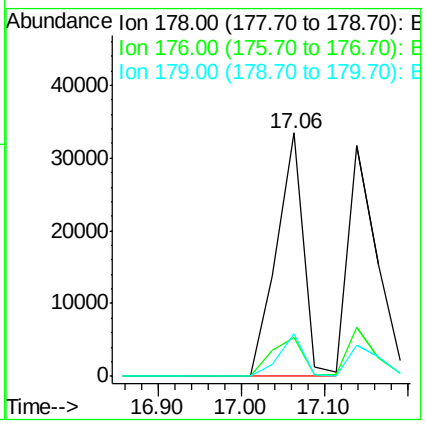


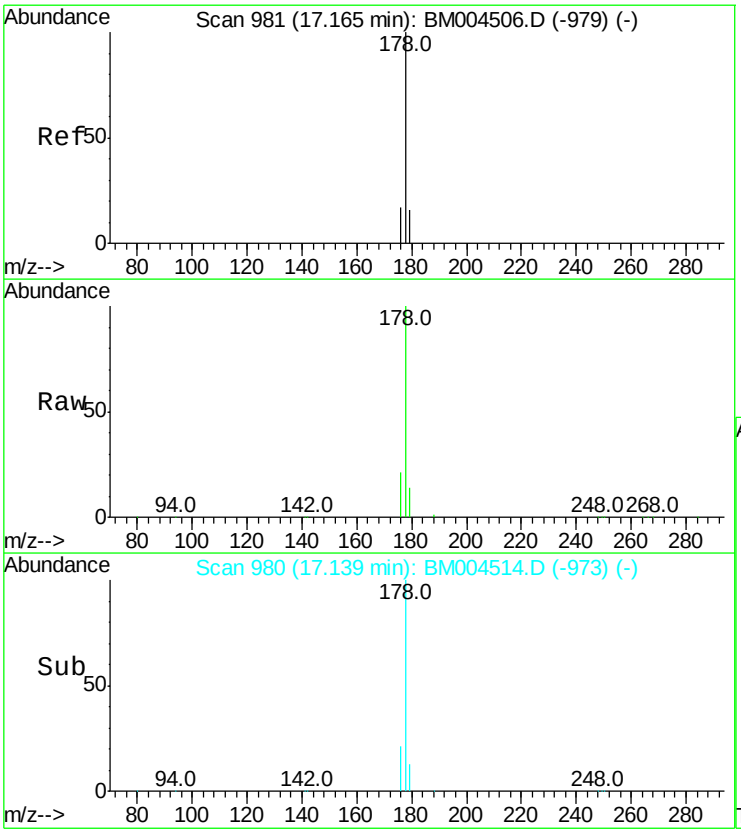
#23
Phenanthrene
Concen: 4.19 ng
RT: 17.06 min Scan# 977
Delta R.T. -0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Instrument :
BNA_M
ClientSampleId :
PB88423BS

Tgt Ion:178 Resp: 74878

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	15.8	12.8	19.2

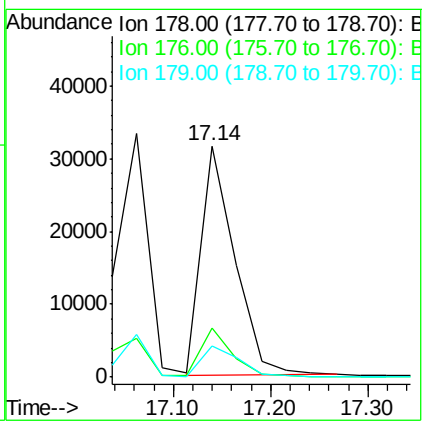


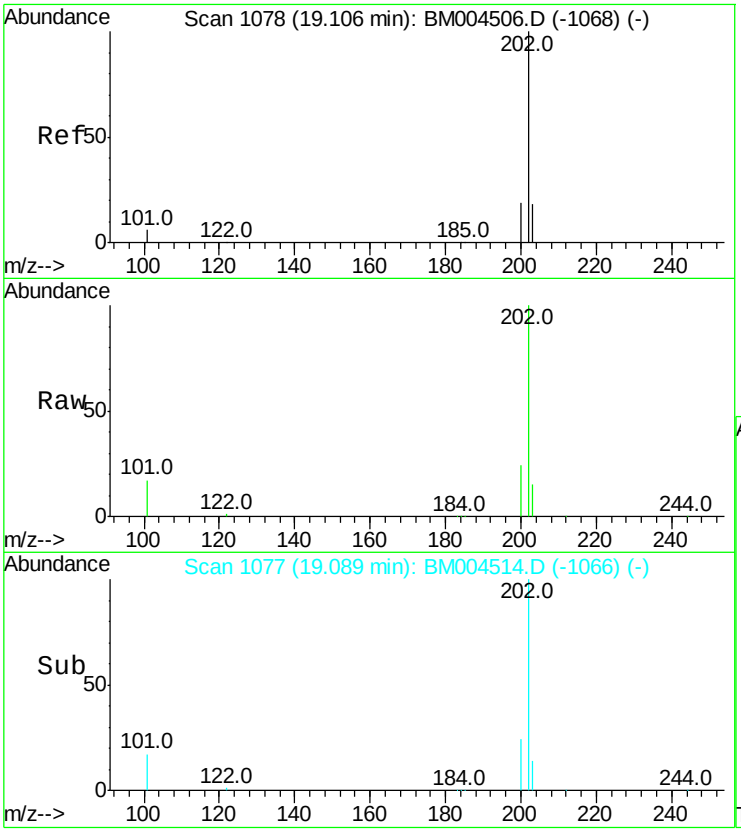


#24
Anthracene
Concen: 3.48 ng
RT: 17.14 min Scan# 980
Delta R.T. -0.03 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion:178 Resp: 75324

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.7	22.1
179	14.7	12.2	18.4



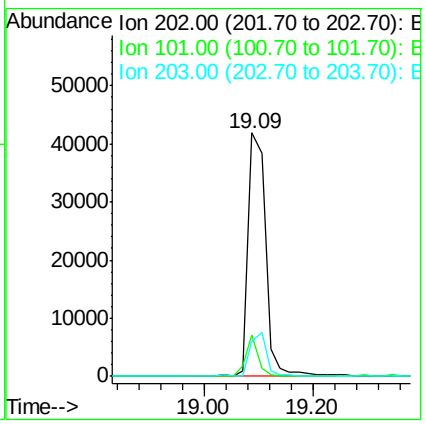


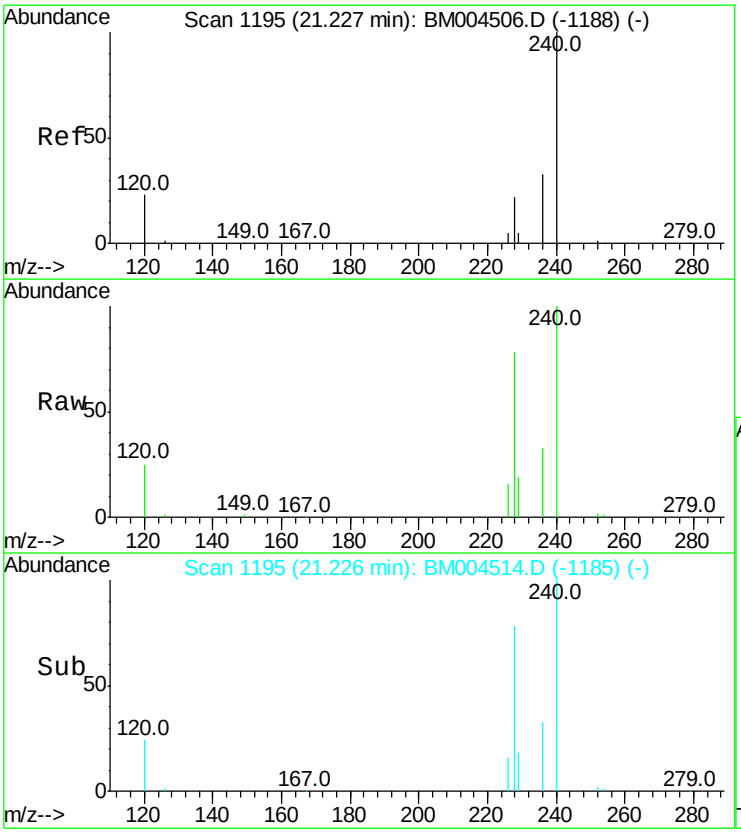
#25
Fluoranthene
Concen: 3.95 ng
RT: 19.09 min Scan# 1077
Delta R.T. -0.02 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Instrument :
BNA_M
ClientSampleId :
PB88423BS

Tgt Ion:202 Resp: 92286

Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.8	14.8
203	17.3	13.8	20.8

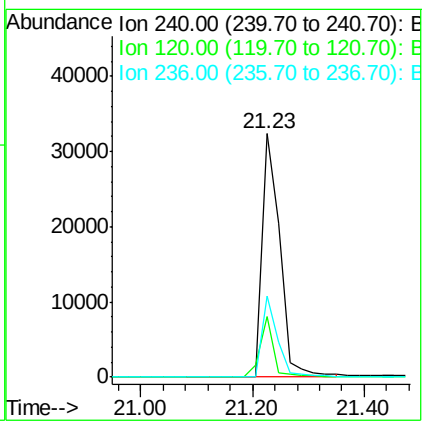


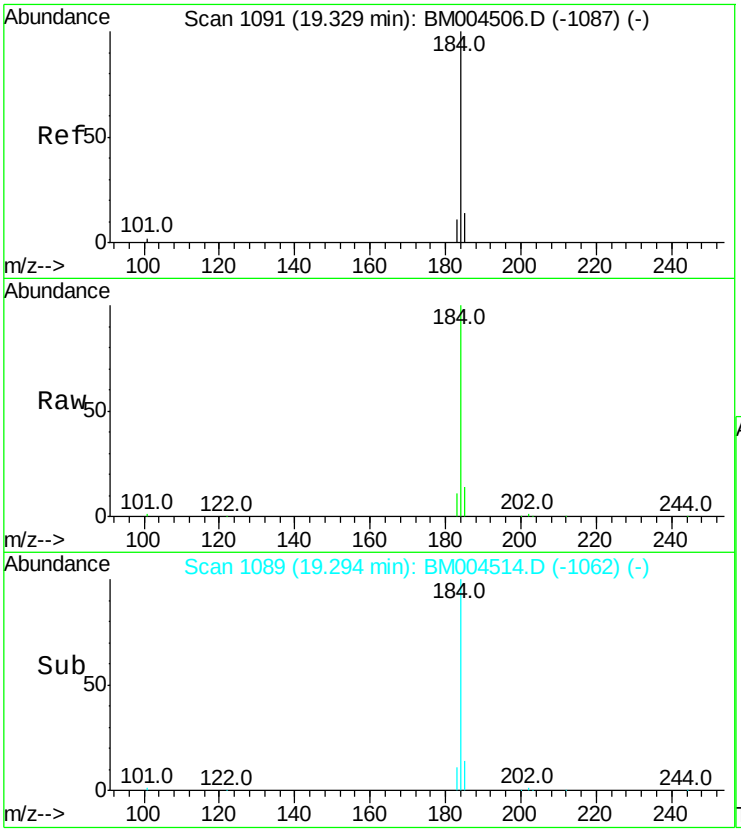


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.23 min Scan# 1195
Delta R.T. -0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion:240 Resp: 70029

Ion	Ratio	Lower	Upper
240	100		
120	24.7	18.9	28.3
236	33.4	26.4	39.6



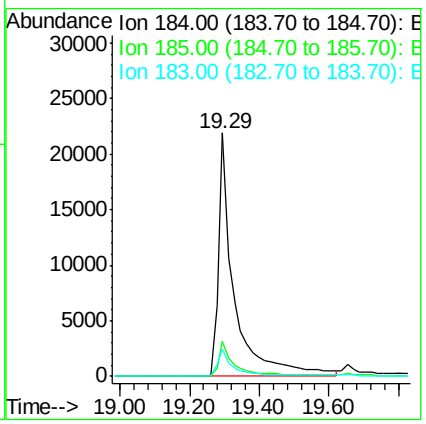


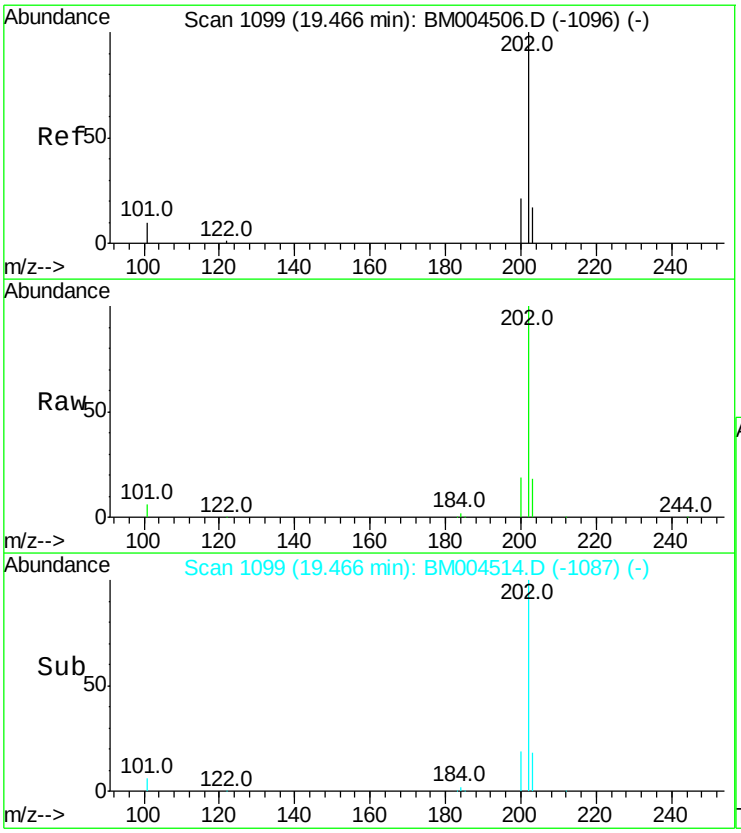
#27
Benzidine
Concen: 7.42 ng
RT: 19.29 min Scan# 1089
Delta R.T. -0.03 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Instrument :
BNA_M
ClientSampleId :
PB88423BS

Tgt Ion:184 Resp: 68224

Ion	Ratio	Lower	Upper
184	100		
185	14.4	15.0	22.4#
183	11.2	12.6	19.0#

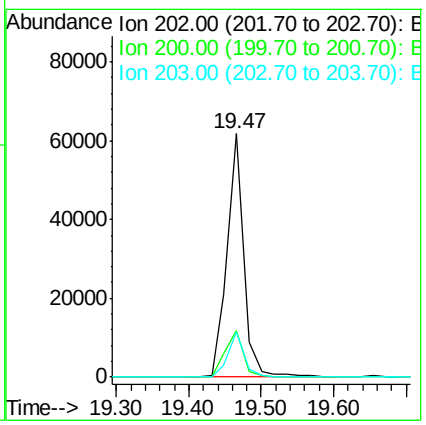


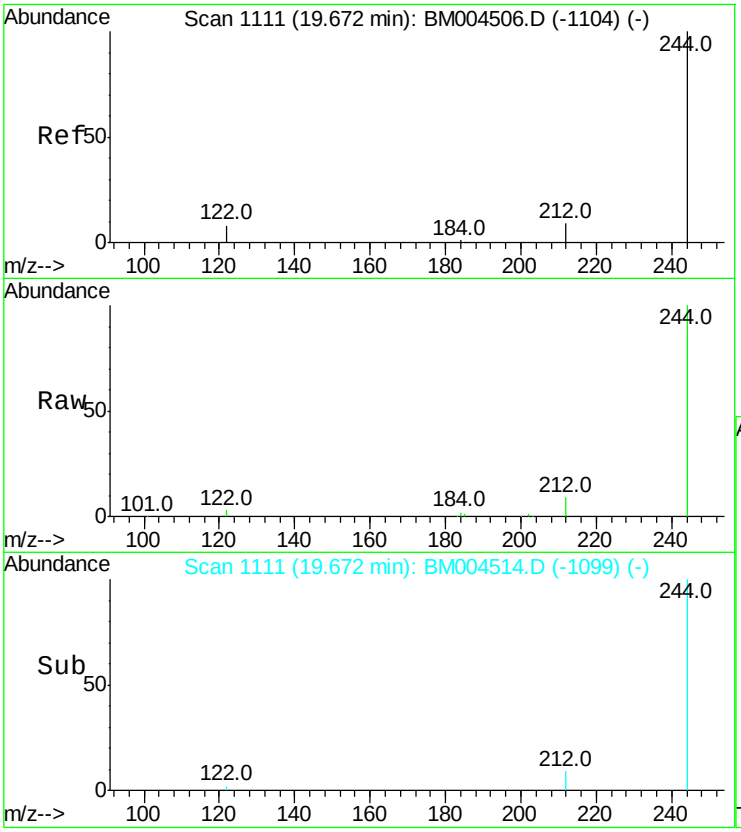


#28
Pyrene
Concen: 4.12 ng
RT: 19.47 min Scan# 1099
Delta R.T. -0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion:202 Resp: 97607

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	18.0	13.7	20.5



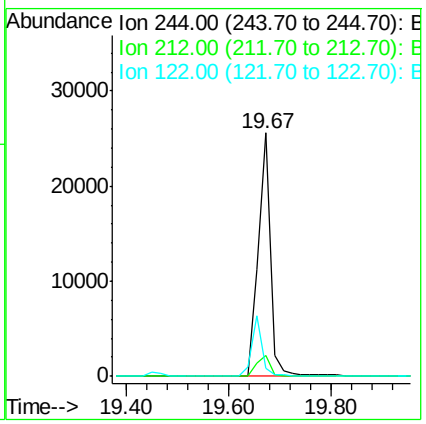


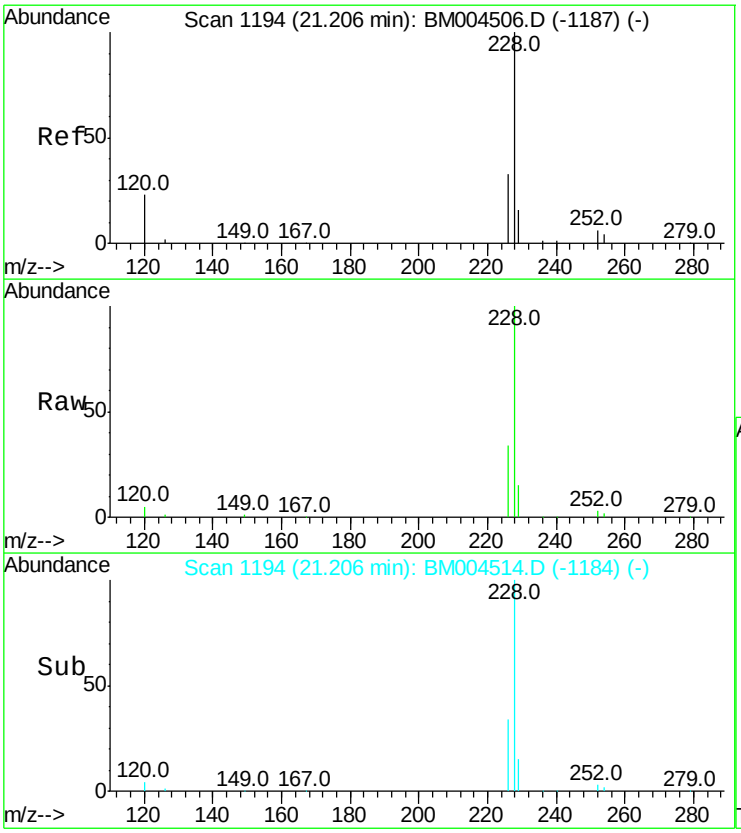
#29
Terphenyl-d14
Concen: 3.99 ng
RT: 19.67 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Instrument :
BNA_M
ClientSampleId :
PB88423BS

Tgt Ion:244 Resp: 41681

Ion	Ratio	Lower	Upper
244	100		
212	8.7	7.8	11.6
122	3.4	7.0	10.4#

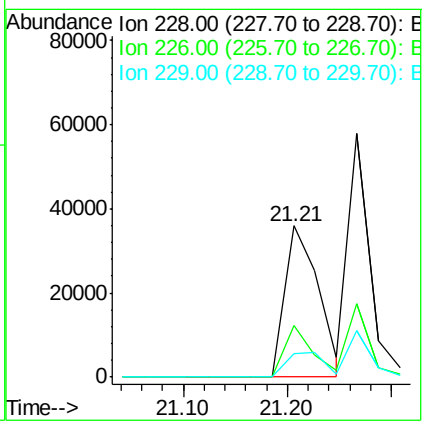


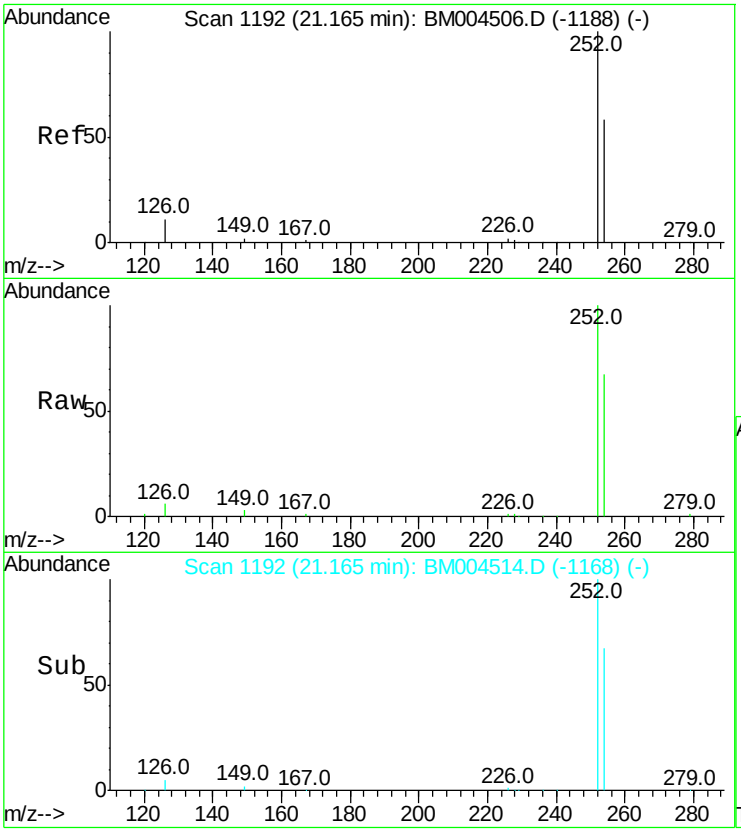


#30
Benzo(a)anthracene
Concen: 3.74 ng
RT: 21.21 min Scan# 1194
Delta R.T. -0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion:228 Resp: 80996

Ion	Ratio	Lower	Upper
228	100		
226	34.2	27.0	40.4
229	15.3	13.1	19.7



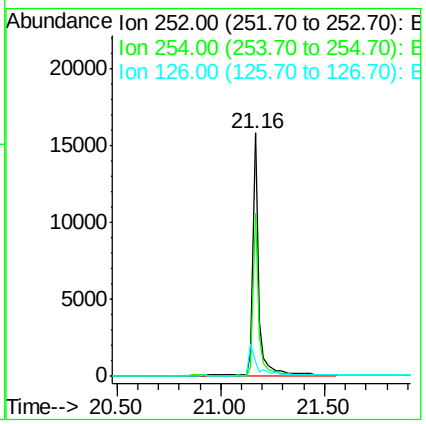


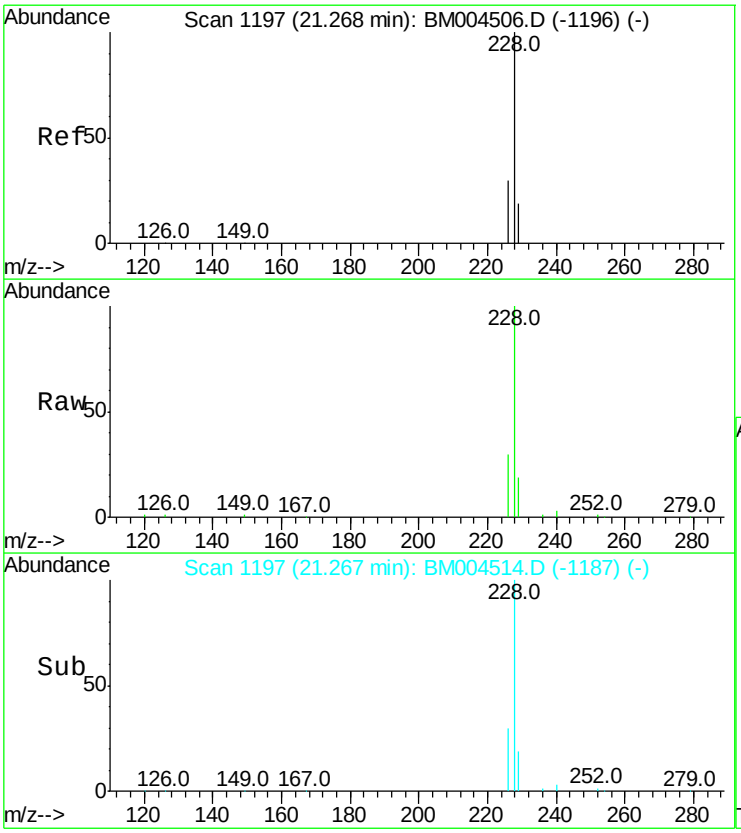
#31
3,3'-Dichlorobenzidine
Concen: 4.58 ng
RT: 21.16 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Instrument :
BNA_M
ClientSampleId :
PB88423BS

Tgt Ion:252 Resp: 30654

Ion	Ratio	Lower	Upper
252	100		
254	67.0	47.4	71.0
126	5.8	11.0	16.6#

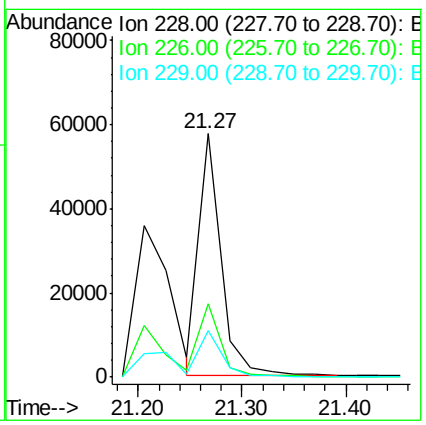


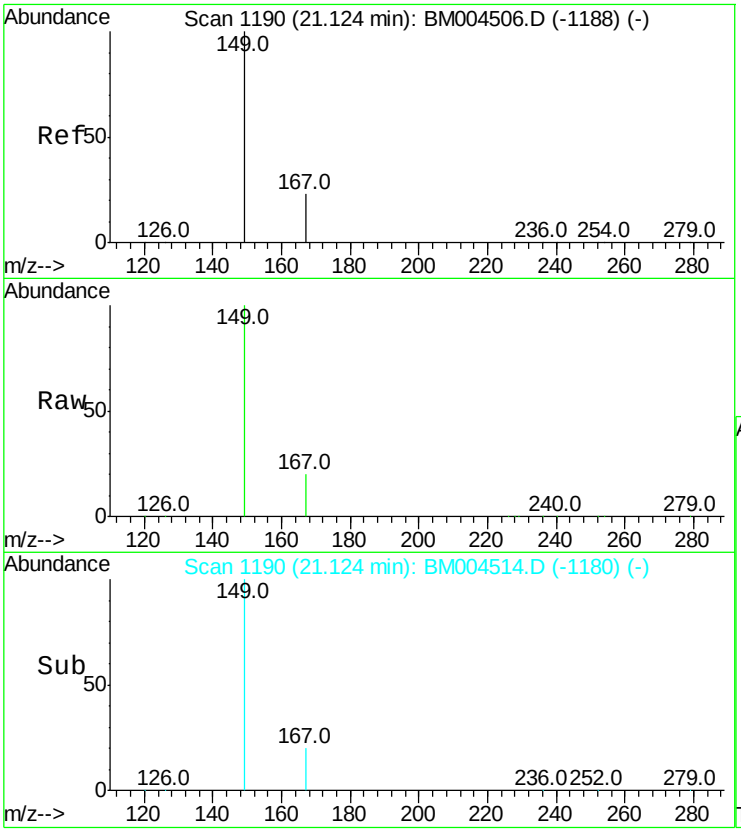


#32
Chrysene
Concen: 4.20 ng
RT: 21.27 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion:228 Resp: 85509

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.6	37.0
229	19.0	15.2	22.8



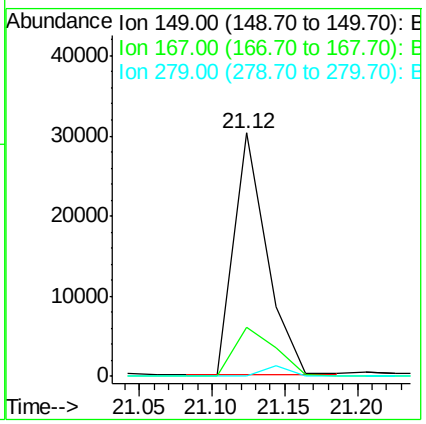


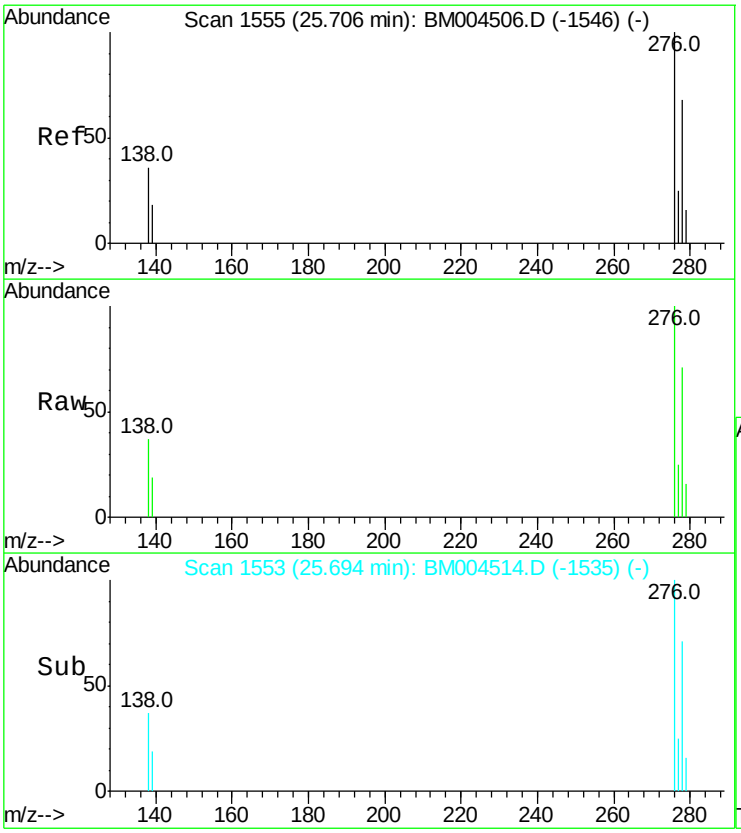
#33
Bis(2-ethylhexyl)phthalate
Concen: 3.40 ng
RT: 21.12 min Scan# 1190
Delta R.T. -0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Instrument :
BNA_M
ClientSampleId :
PB88423BS

Tgt Ion:149 Resp: 47772

Ion	Ratio	Lower	Upper
149	100		
167	24.6	20.2	30.4
279	0.0	0.0	0.0

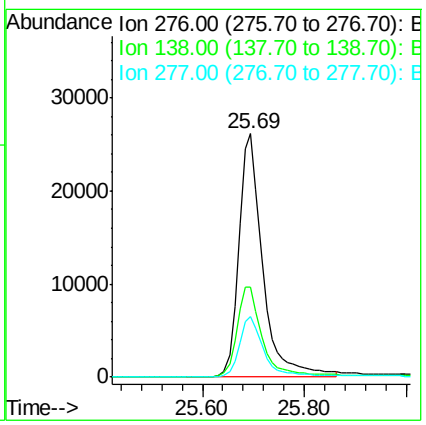


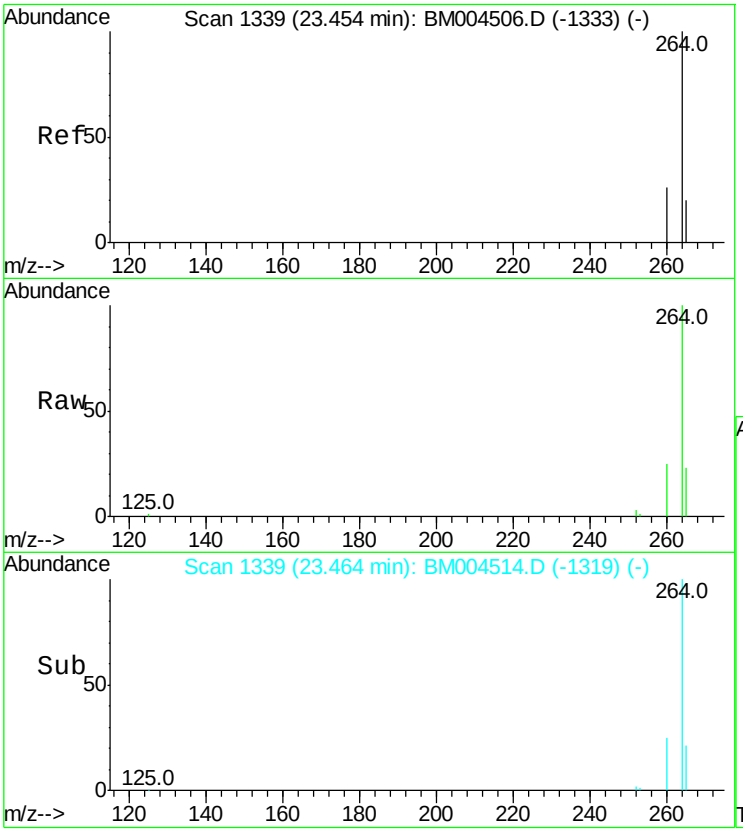


#34
Indeno(1,2,3-cd)pyrene
Concen: 4.10 ng
RT: 25.69 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion:276 Resp: 84184

Ion	Ratio	Lower	Upper
276	100		
138	39.0	31.0	46.4
277	24.9	19.9	29.9



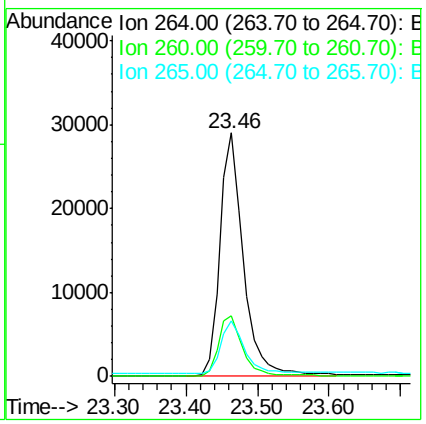


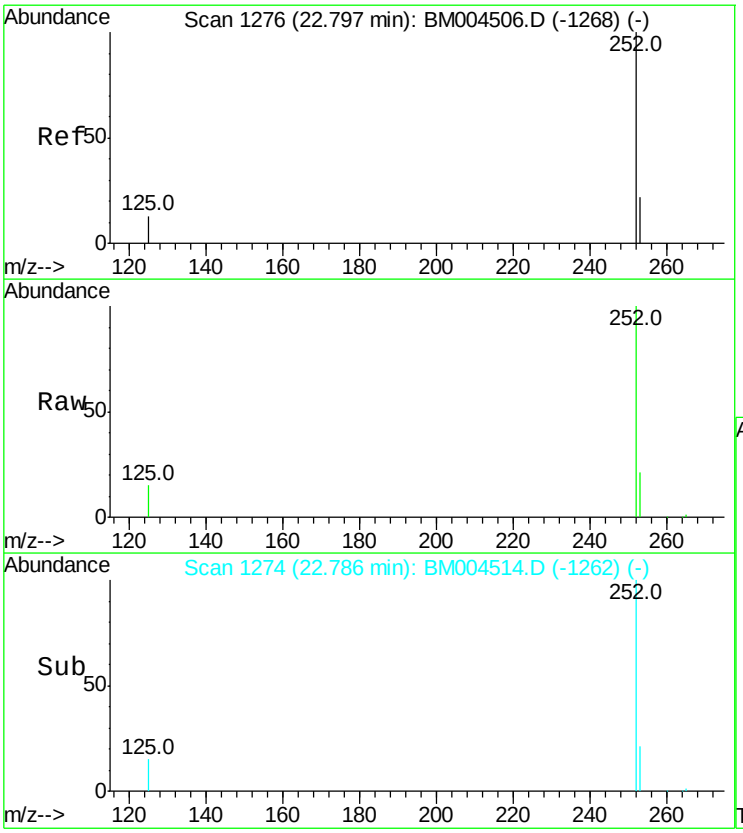
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.46 min Scan# 1339
Delta R.T. 0.01 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Instrument :
BNA_M
ClientSampleId :
PB88423BS

Tgt Ion:264 Resp: 66058

Ion	Ratio	Lower	Upper
264	100		
260	25.1	21.2	31.8
265	22.8	17.4	26.0

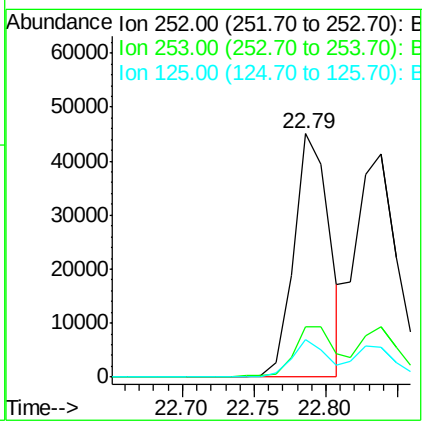


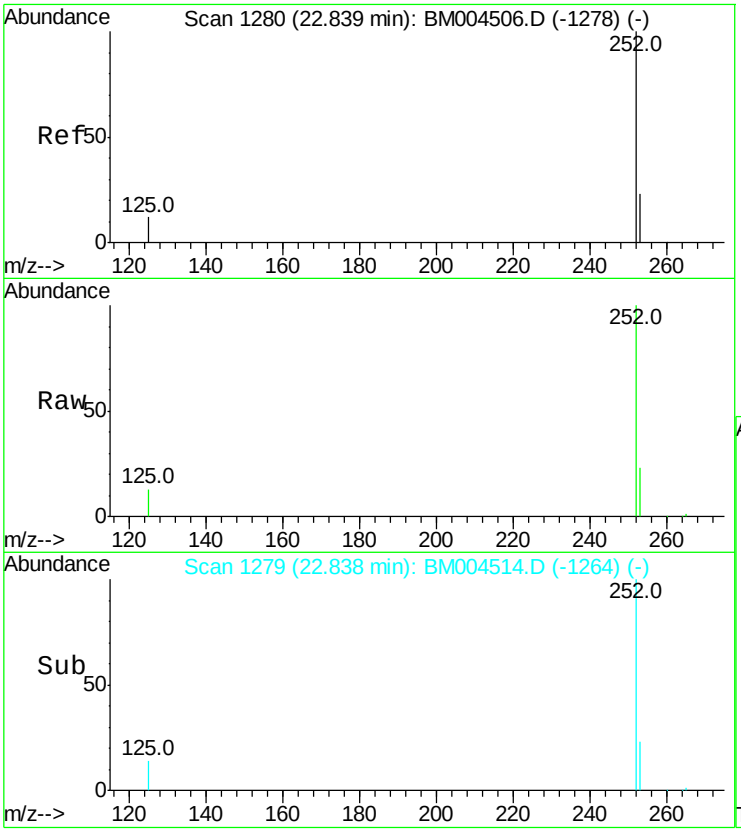


#36
Benzo(b)fluoranthene
Concen: 4.21 ng
RT: 22.79 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion:252 Resp: 85003

Ion	Ratio	Lower	Upper
252	100		
253	20.7	19.0	28.4
125	15.2	11.7	17.5



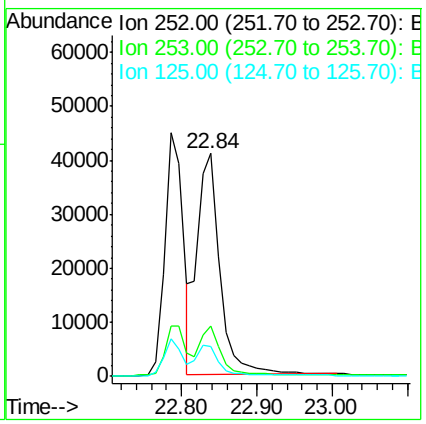


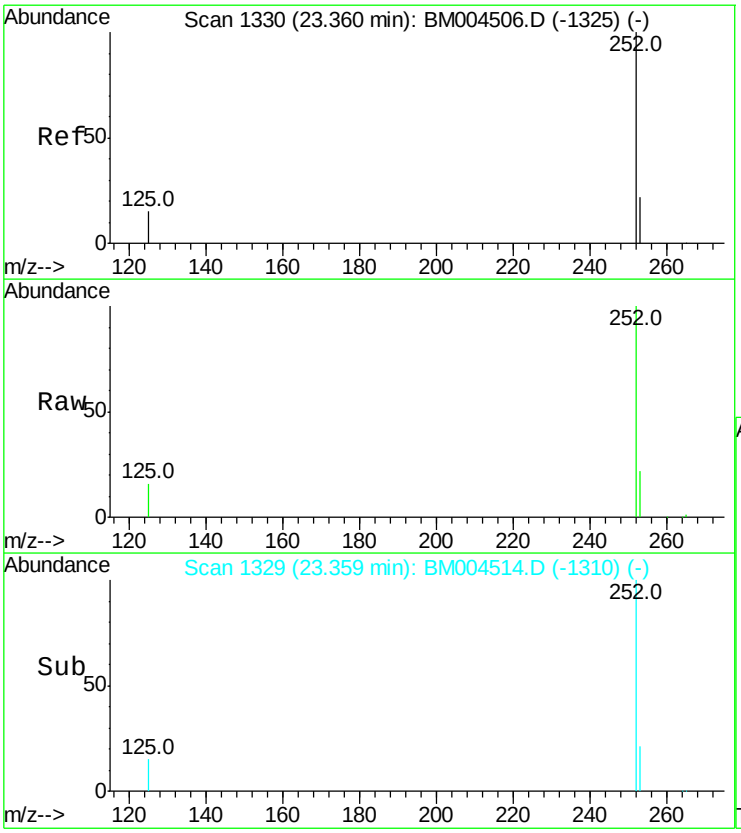
#37
Benzo(k)fluoranthene
Concen: 4.25 ng
RT: 22.84 min Scan# 1279
Delta R.T. 0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Instrument :
BNA_M
ClientSampleId :
PB88423BS

Tgt Ion:252 Resp: 85921

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.9	28.3
125	13.5	11.9	17.9

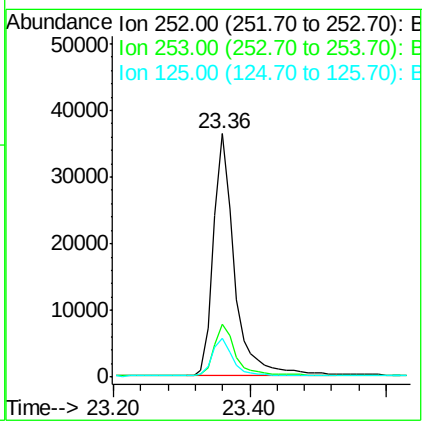


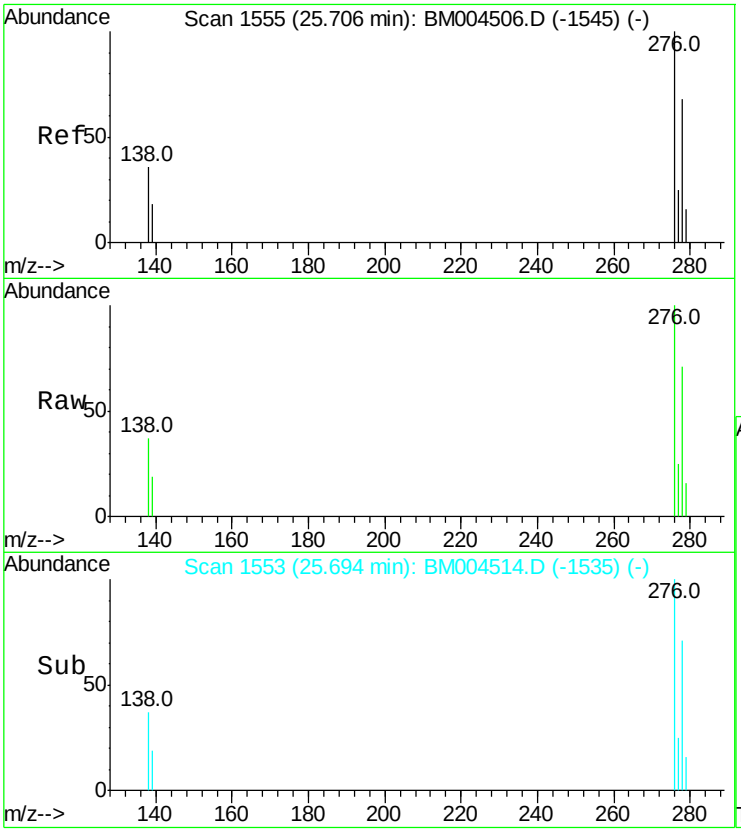


#38
Benzo(a)pyrene
Concen: 3.94 ng
RT: 23.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion:252 Resp: 77247

Ion	Ratio	Lower	Upper
252	100		
253	21.8	19.0	28.6
125	15.7	13.7	20.5



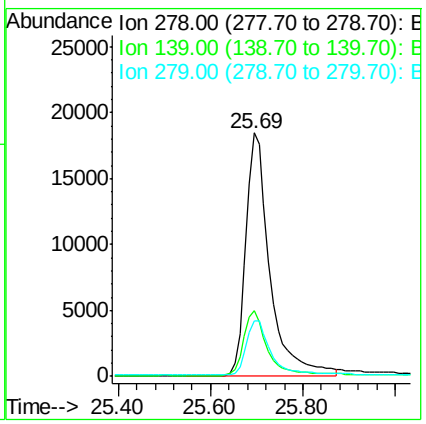


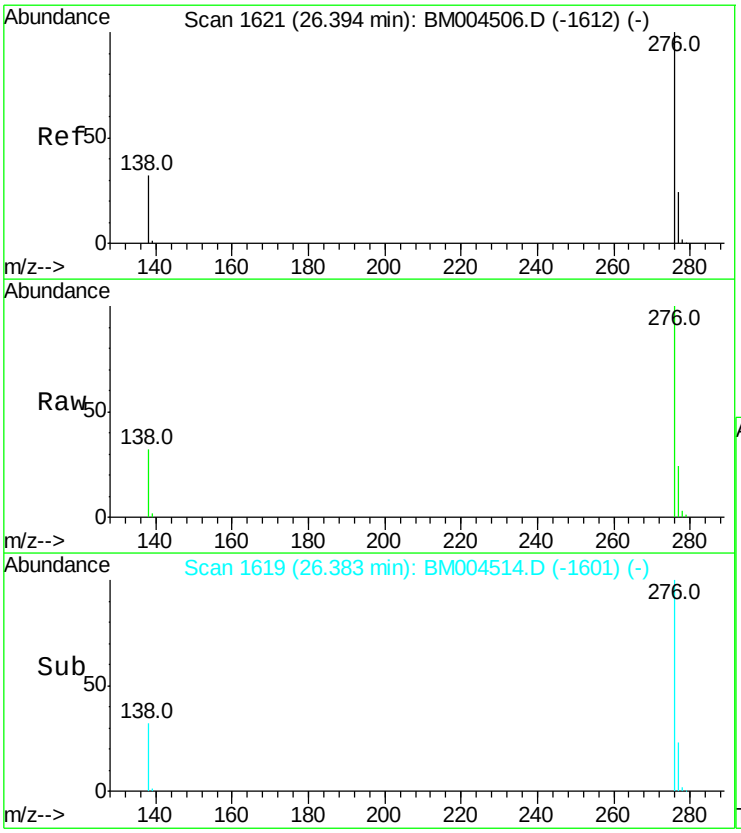
#39
Dibenzo(a,h)anthracene
Concen: 4.10 ng
RT: 25.69 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Instrument :
BNA_M
ClientSampleId :
PB88423BS

Tgt Ion:278 Resp: 66531

Ion	Ratio	Lower	Upper
278	100		
139	27.1	22.6	33.8
279	23.0	20.1	30.1





#40
Benzo(g,h,i)perylene
Concen: 3.96 ng
RT: 26.38 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BM004514.D
Acq: 02 Mar 2016 11:30

Tgt Ion:276 Resp: 72868

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.8	29.8
138	32.4	26.6	40.0