Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030116\
Data File : BM004510.D
Acq On : 02 Mar 2016 08:57
Operator : SJ/UM
Sample : SSTDICV001
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ICVBM030116

Quant Time: Mar 02 15:08:33 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	23337	5.00	ng		0.00
7) Naphthalene-d8	10.39	136	87443	5.00	ng		0.00
13) Acenaphthene-d10	14.26	164	44174	5.00	ng		0.00
19) Phenanthrene-d10	17.01	188	98014	5.00	ng		0.00
26) Chrysene-d12	21.25	240	78622	5.00	ng		0.02
35) Perylene-d12	23.46	264	78915	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.22	112	4429	0.91	ng		-0.02
5) Phenol-d6	6.81	99	5217	0.92	ng		-0.02
8) Nitrobenzene-d5	8.79	82	3698	0.92	ng		0.00
14) 2,4,6-Tribromophenol	15.79	330	1080	0.87	ng		0.00
15) 2-Fluorobiphenyl	12.88	172	12740	0.94	ng		0.00
29) Terphenyl-d14	19.67	244	12541	0.98	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.10	88	2097	0.95	ng		99
3) n-Nitrosodimethylamine	3.43	42	1533	0.94	ng		98
6) bis(2-Chloroethyl)ether	7.04	93	4700	0.95	ng		99
9) Nitrobenzene	8.84	77	4090	0.92	ng		99
10) Naphthalene	10.44	128	19083	0.92	ng		100
11) Hexachlorobutadiene	10.72	225	3308	0.93	ng		100
12) 2-Methylnaphthalene	12.08	142	11524	0.92	ng		99
16) Acenaphthylene	13.97	152	18464	0.91	ng		100
17) Acenaphthene	14.33	154	11582	0.94	ng		99
18) Fluorene	15.33	166	14604	0.97	ng		99
20) 4-Bromophenyl-phenylether	16.22	248	3292	0.94	ng	#	98
21) Hexachlorobenzene	16.35	284	4046	1.06	ng	#	100
22) Pentachlorophenol	16.73	266	419	0.82	ng		99
23) Phenanthrene	17.06	178	21980	1.05	ng		100
24) Anthracene	17.16	178	17833	0.90	ng		100
25) Fluoranthene	19.11	202	25710	0.98	ng		100
27) Benzidine	19.33	184	5886	0.90	ng		99
28) Pyrene	19.47	202	27191	0.99	ng		100
30) Benzo(a)anthracene	21.23	228	21705	0.92	ng	#	83
31) 3,3'-Dichlorobenzidine	21.16	252	7427	0.99	ng	#	95
32) Chrysene	21.27	228	28569m	1.11	ng		
33) Bis(2-ethylhexyl)phthalate	21.12	149	11528	0.81	ng	#	50
34) Indeno(1,2,3-cd)pyrene	25.70	276	23031	1.00	ng		100
36) Benzo(b)fluoranthene	22.80	252	21582	0.85	ng		97
37) Benzo(k)fluoranthene	22.84	252	24055	0.96	ng		98
38) Benzo(a)pyrene	23.36	252	21270	0.91	ng		98
39) Dibenzo(a,h)anthracene	25.72	278	17558	0.91	ng		98
40) Benzo(g,h,i)perylene	26.39	276	20019	0.91	ng		98

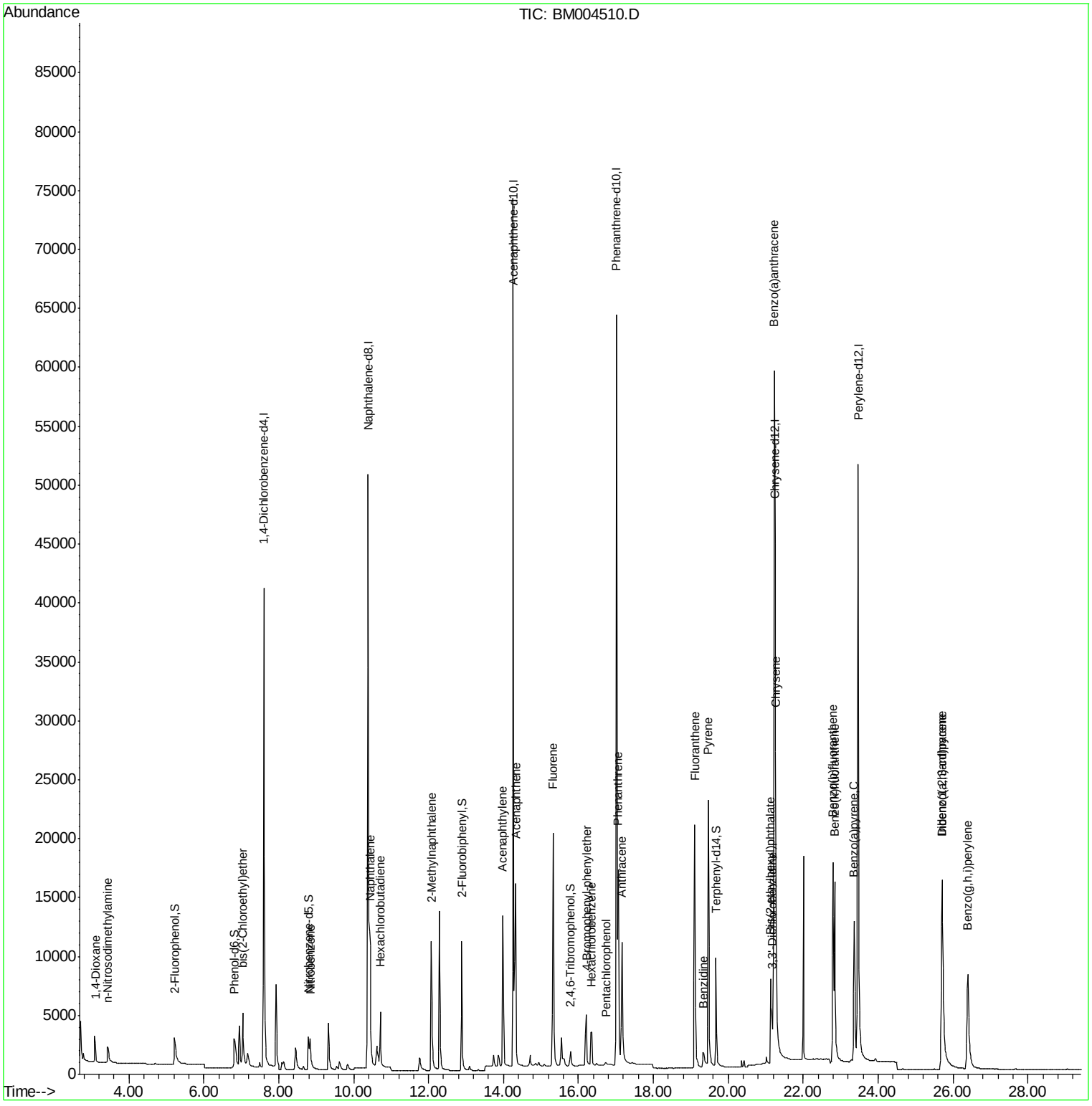
(#) = qualifier out of range (m) = manual integration (+) = signals summed

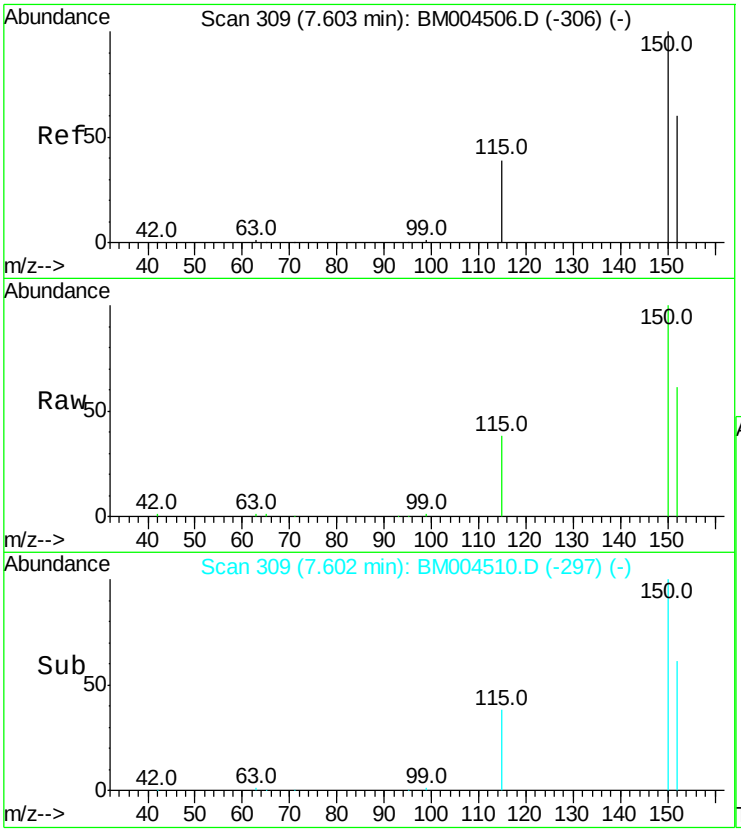
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030116\
Data File : BM004510.D
Acq On : 02 Mar 2016 08:57
Operator : SJ/UM
Sample : SSTDICV001
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM030116

Quant Time: Mar 02 15:08:33 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



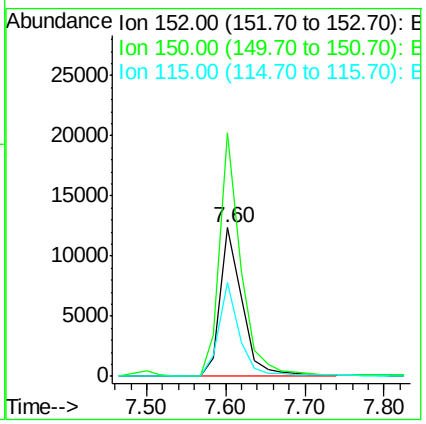


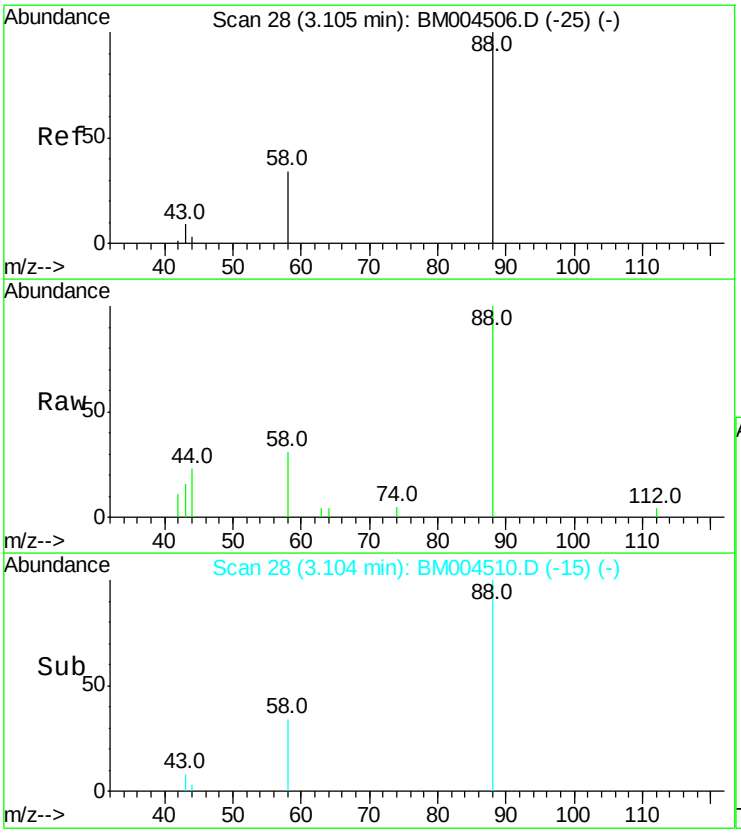
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.60 min Scan# 309
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Instrument :
BNA_M
ClientSampleId :
ICVBM030116

Tgt Ion:152 Resp: 23337

Ion	Ratio	Lower	Upper
152	100		
150	164.2	134.2	201.2
115	63.1	52.2	78.4

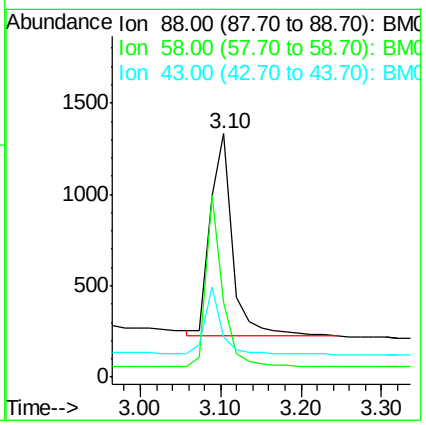


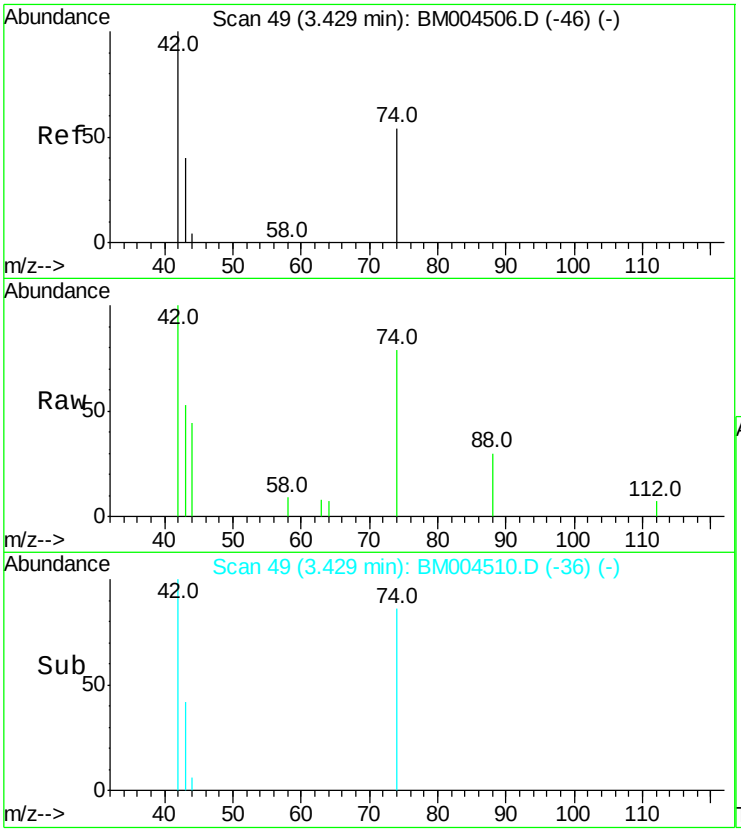


#2
1,4-Dioxane
Concen: 0.95 ng
RT: 3.10 min Scan# 28
Delta R.T. 0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Tgt Ion: 88 Resp: 2097

Ion	Ratio	Lower	Upper
88	100		
58	65.3	52.9	79.3
43	25.8	20.8	31.2



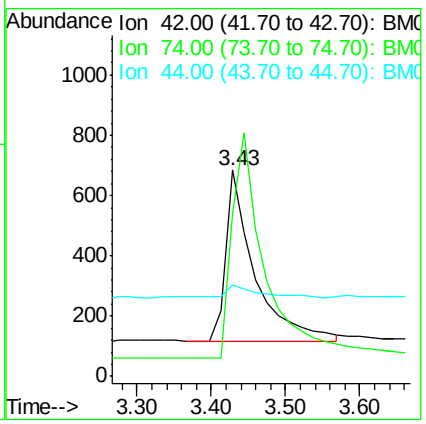


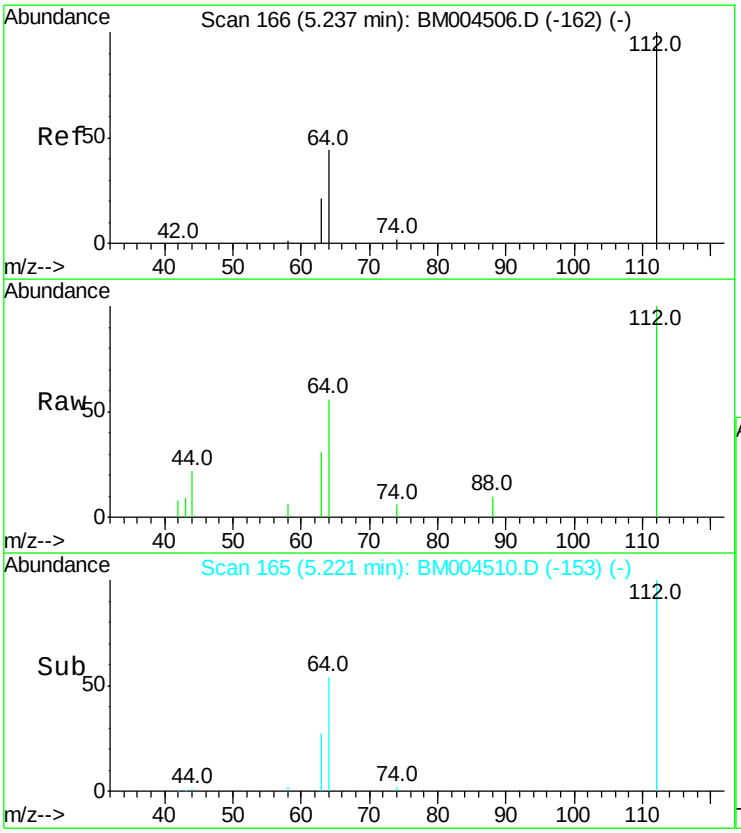
#3
n-Nitrosodimethylamine
Concen: 0.94 ng
RT: 3.43 min Scan# 49
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Instrument :
BNA_M
ClientSampleId :
ICVBM030116

Tgt Ion: 42 Resp: 1533

Ion	Ratio	Lower	Upper
42	100		
74	147.0	115.5	173.3
44	7.9	6.2	9.4

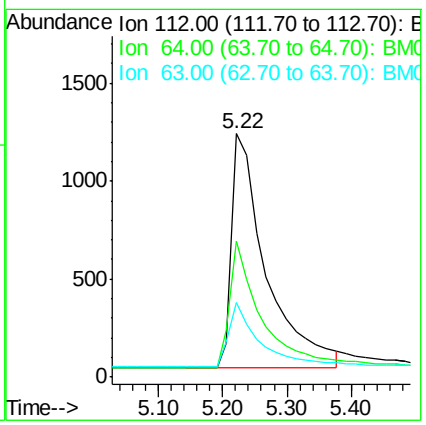


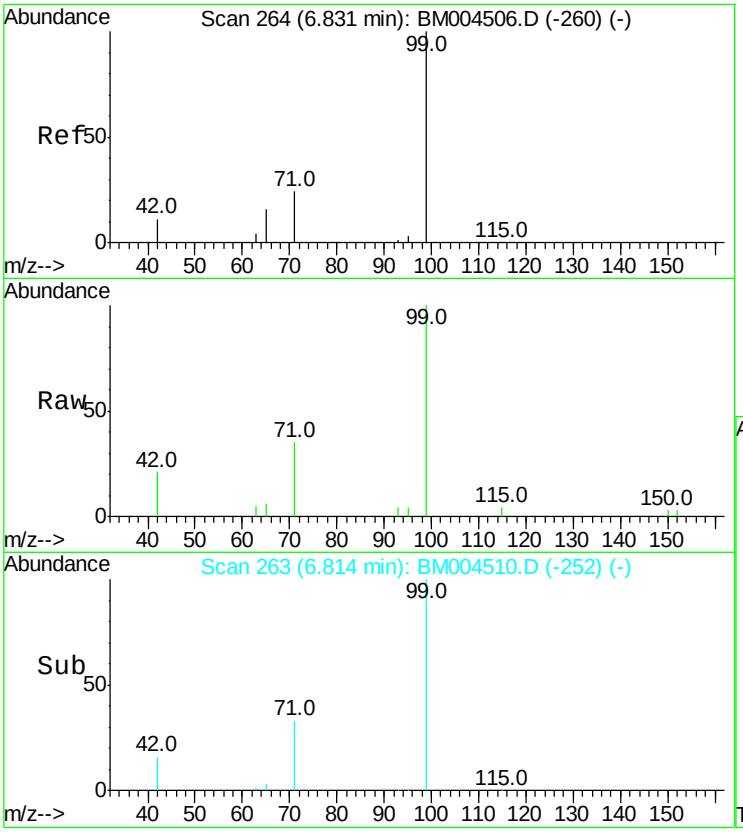


#4
2-Fluorophenol
Concen: 0.91 ng
RT: 5.22 min Scan# 165
Delta R.T. -0.02 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Tgt Ion:112 Resp: 4429

Ion	Ratio	Lower	Upper
112	100		
64	48.9	37.0	55.6
63	24.5	19.0	28.4



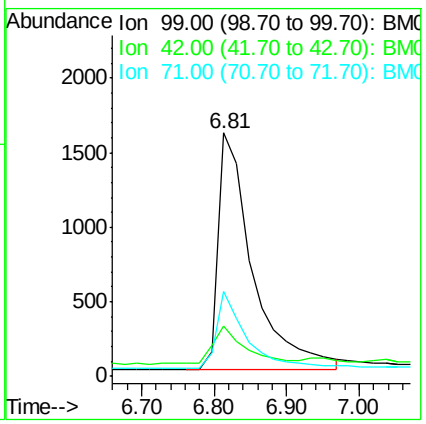


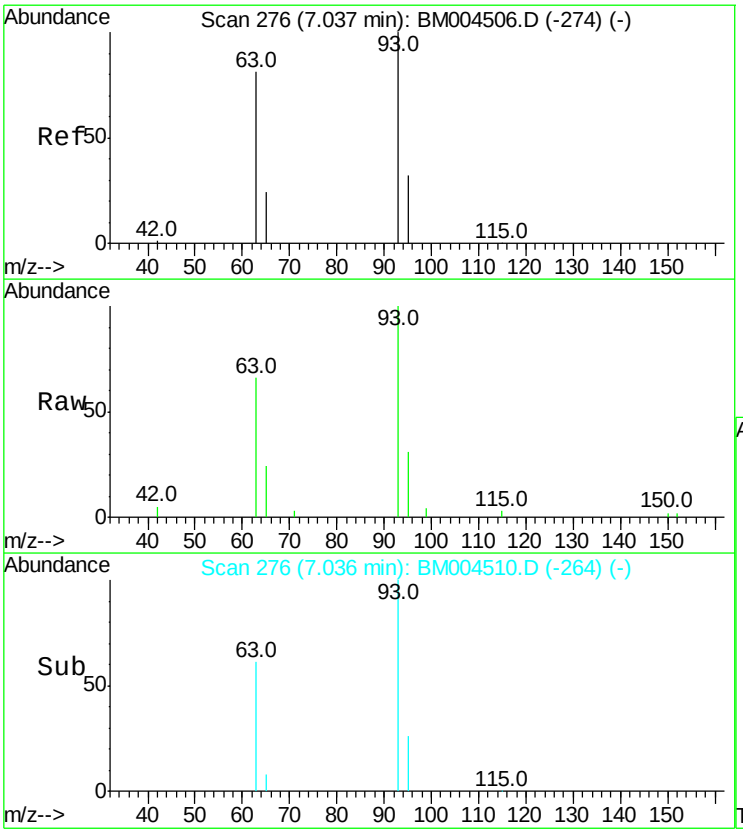
#5
Phenol-d6
Concen: 0.92 ng
RT: 6.81 min Scan# 263
Delta R.T. -0.02 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Instrument :
BNA_M
ClientSampleId :
ICVBM030116

Tgt Ion: 99 Resp: 5217

Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.2	18.4
71	29.2	23.4	35.2

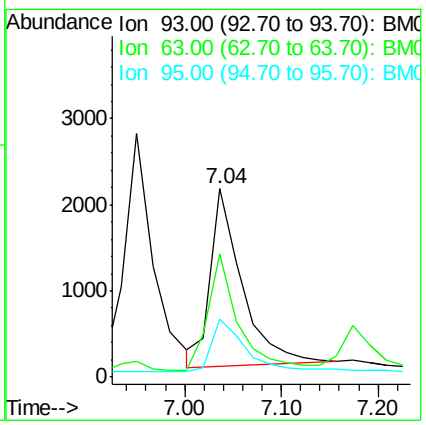


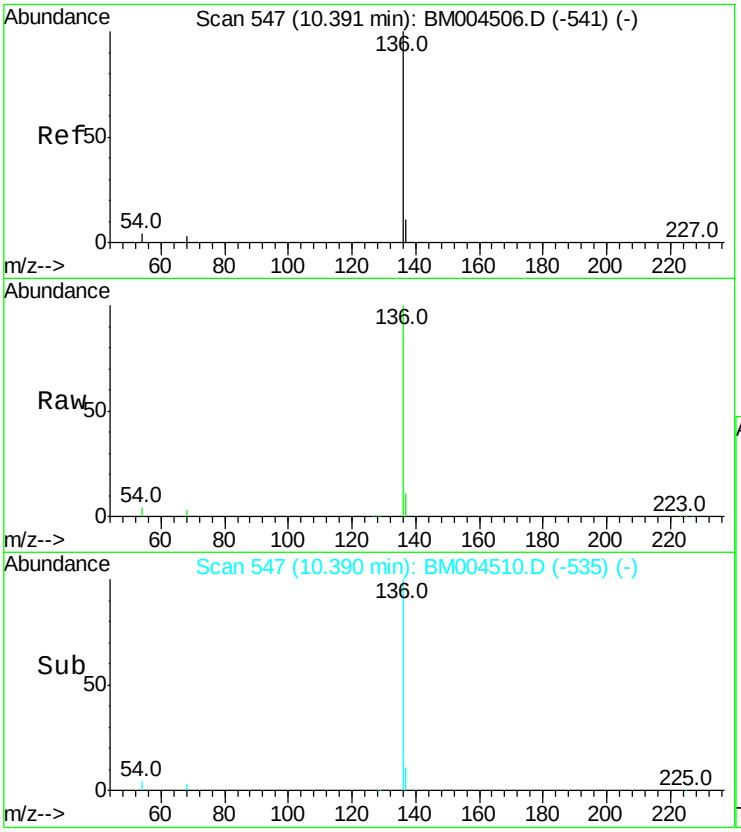


#6
bis(2-Chloroethyl)ether
Concen: 0.95 ng
RT: 7.04 min Scan# 276
Delta R.T. 0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Tgt Ion: 93 Resp: 4700

Ion	Ratio	Lower	Upper
93	100		
63	64.0	51.1	76.7
95	32.7	25.0	37.6



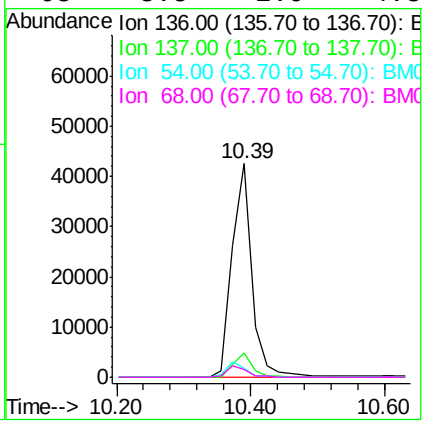


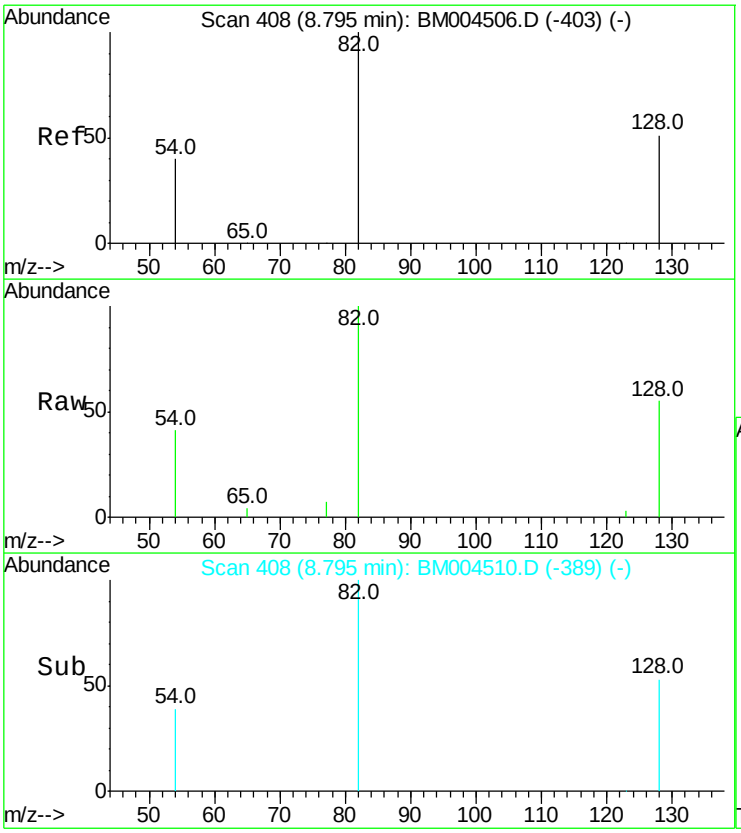
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.39 min Scan# 547
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Instrument :
BNA_M
ClientSampleId :
ICVBM030116

Tgt Ion:136 Resp: 87443

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	4.0	3.3	4.9
68	3.5	2.9	4.3

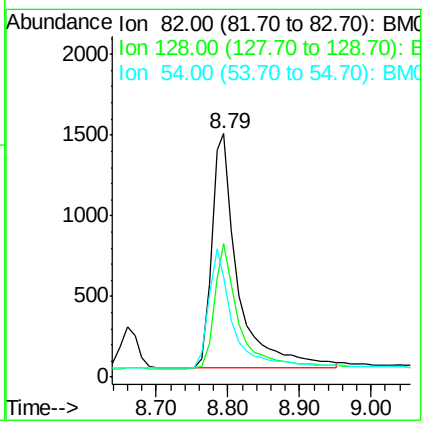


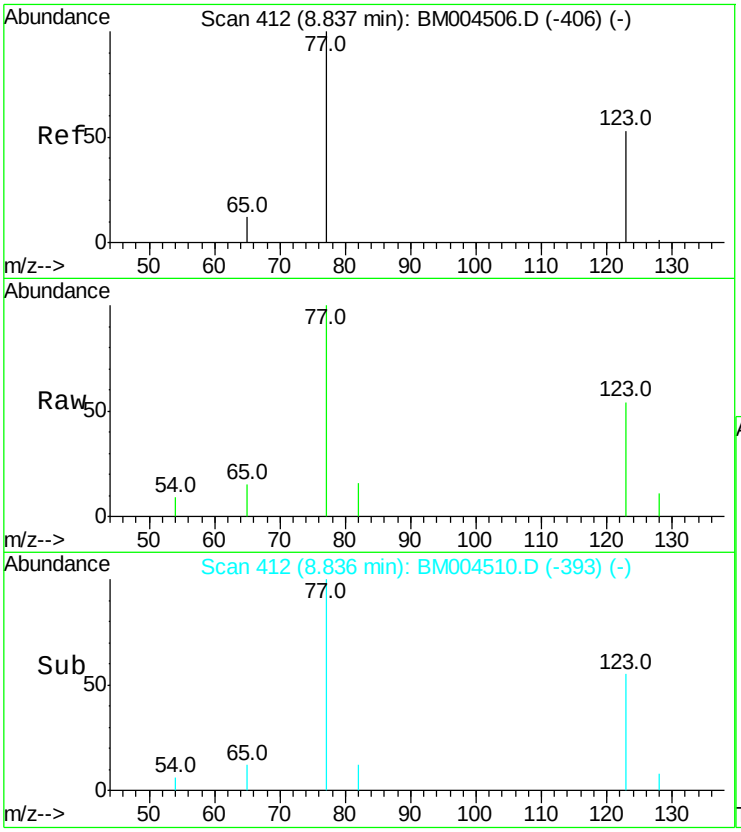


#8
Nitrobenzene-d5
Concen: 0.92 ng
RT: 8.79 min Scan# 408
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Tgt Ion: 82 Resp: 3698

Ion	Ratio	Lower	Upper
82	100		
128	54.9	41.9	62.9
54	41.1	34.2	51.2



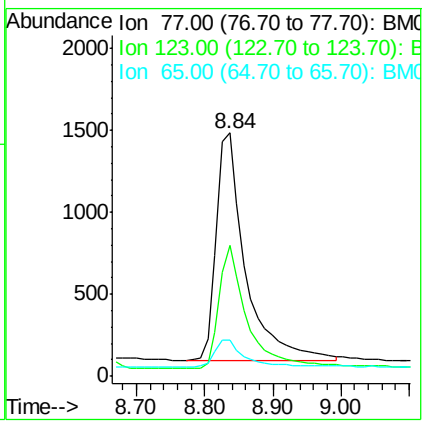


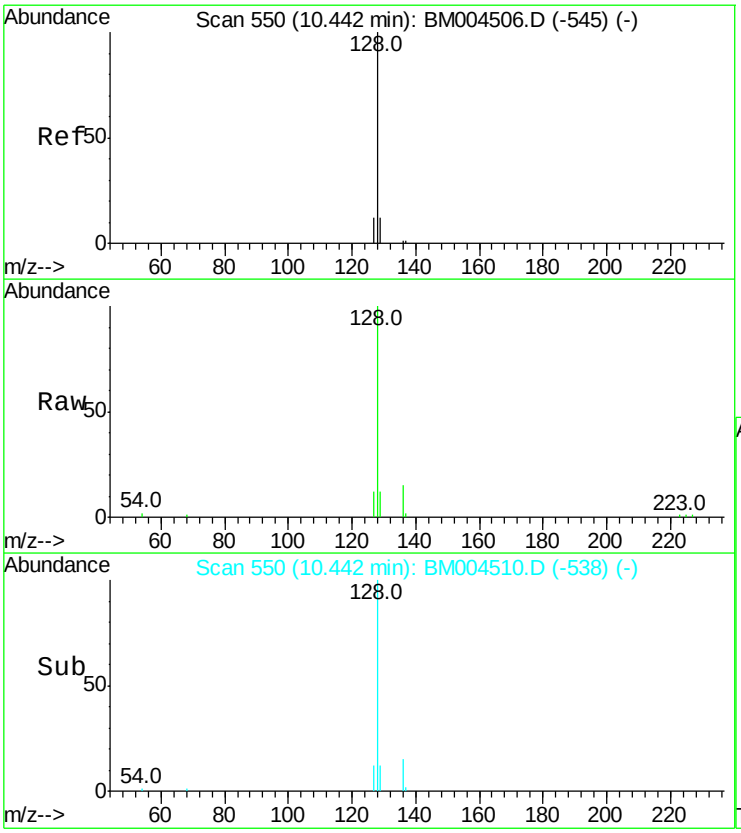
#9
Nitrobenzene
Concen: 0.92 ng
RT: 8.84 min Scan# 412
Delta R.T. 0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Instrument :
BNA_M
ClientSampleId :
ICVBM030116

Tgt Ion: 77 Resp: 4090

Ion	Ratio	Lower	Upper
77	100		
123	52.8	42.5	63.7
65	12.1	10.0	15.0

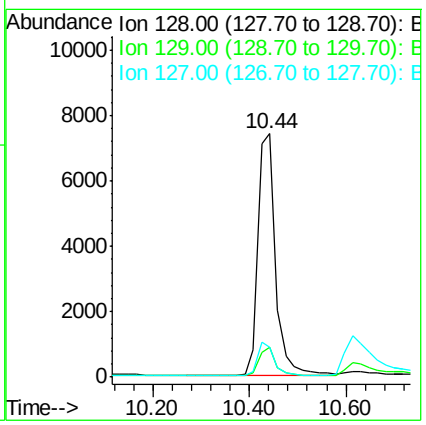


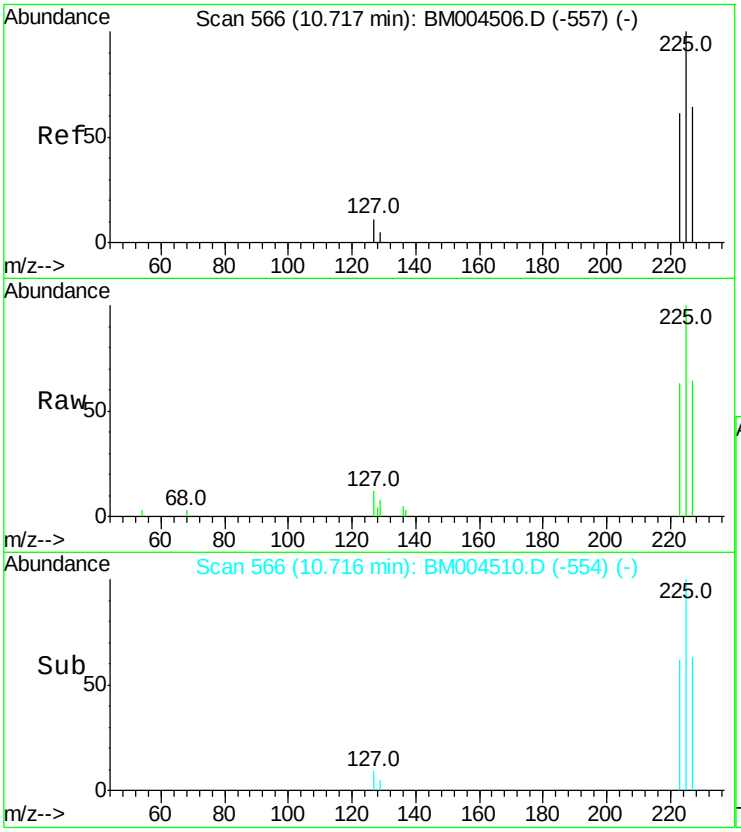


#10
Naphthalene
Concen: 0.92 ng
RT: 10.44 min Scan# 550
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Tgt Ion:128 Resp: 19083

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.8	14.6
127	12.3	9.9	14.9



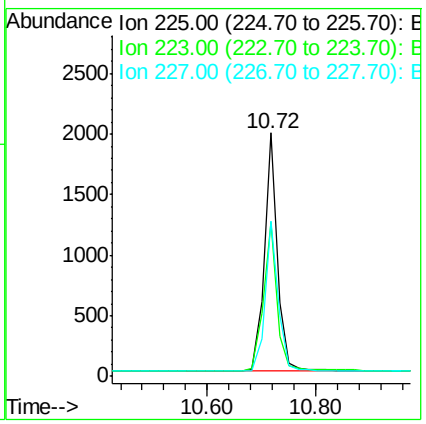


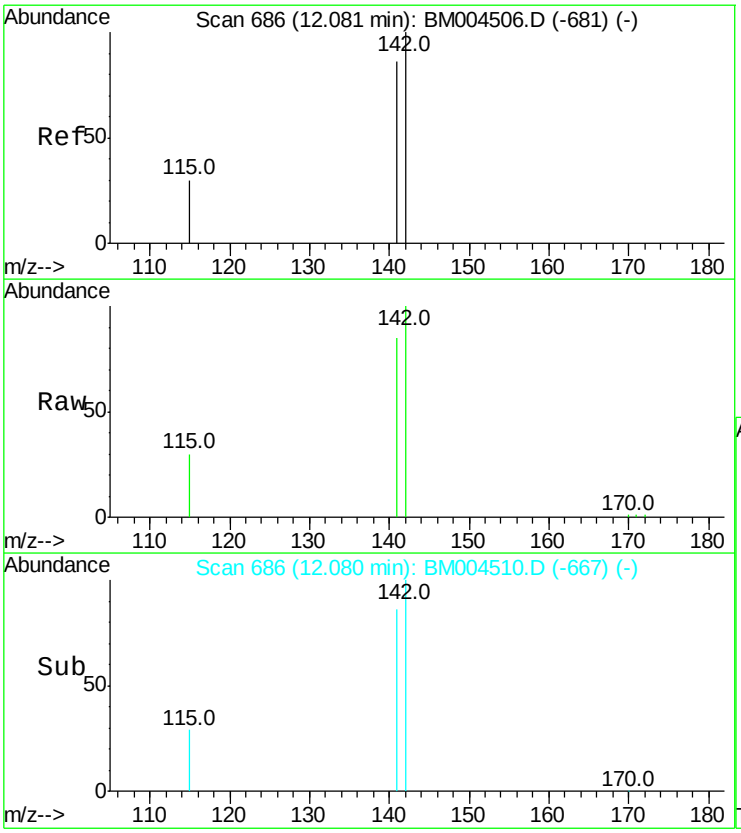
#11
Hexachlorobutadiene
Concen: 0.93 ng
RT: 10.72 min Scan# 566
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Instrument :
BNA_M
ClientSampleId :
ICVBM030116

Tgt Ion:225 Resp: 3308

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.7	76.1
227	63.8	51.1	76.7

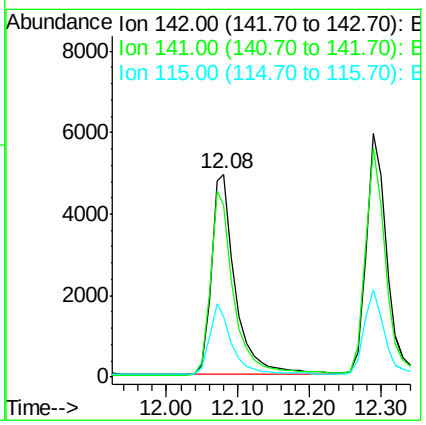


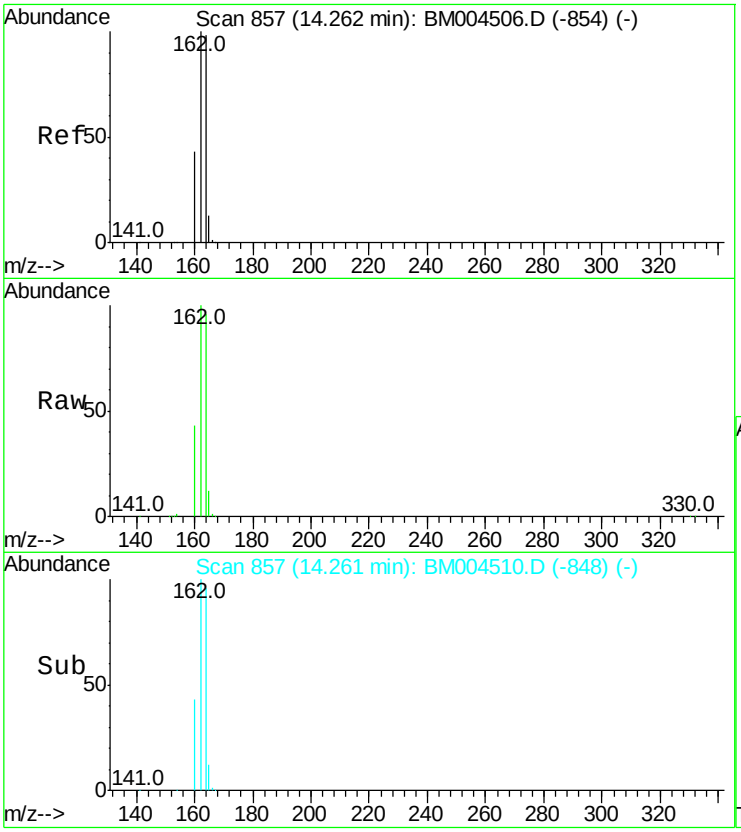


#12
2-Methylnaphthalene
Concen: 0.92 ng
RT: 12.08 min Scan# 686
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Tgt Ion:142 Resp: 11524

Ion	Ratio	Lower	Upper
142	100		
141	84.7	68.5	102.7
115	29.7	24.6	36.8



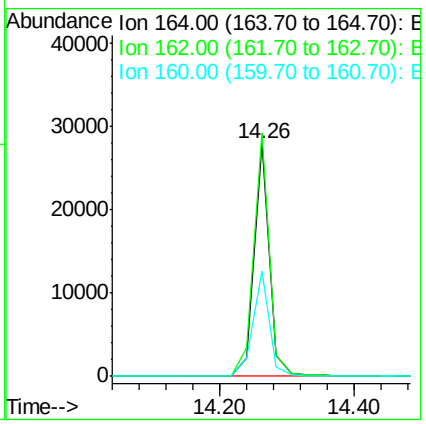


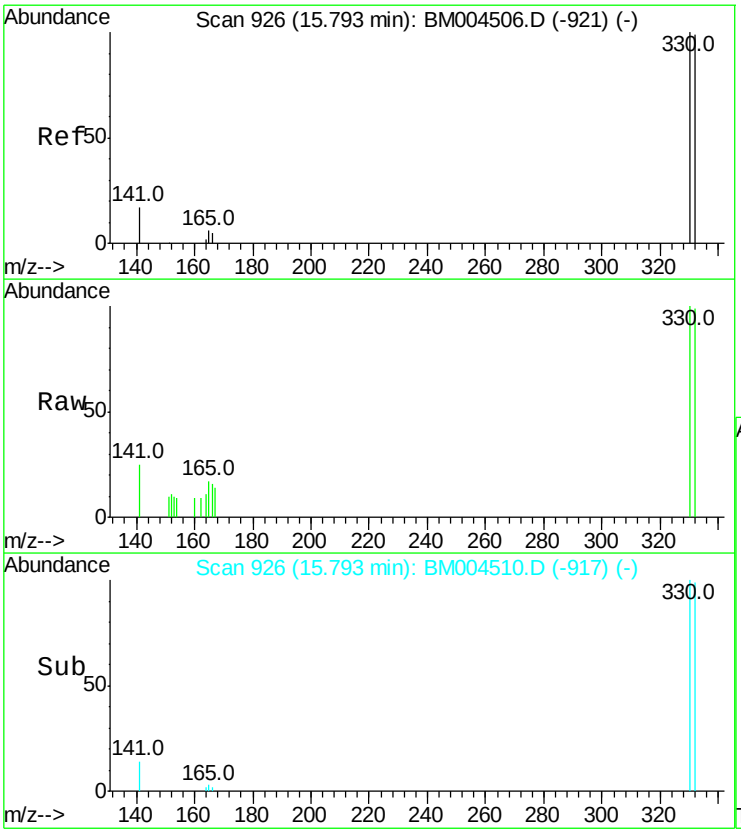
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.26 min Scan# 857
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Instrument :
BNA_M
ClientSampleId :
ICVBM030116

Tgt Ion:164 Resp: 44174

Ion	Ratio	Lower	Upper
164	100		
162	104.4	81.6	122.4
160	44.9	34.9	52.3

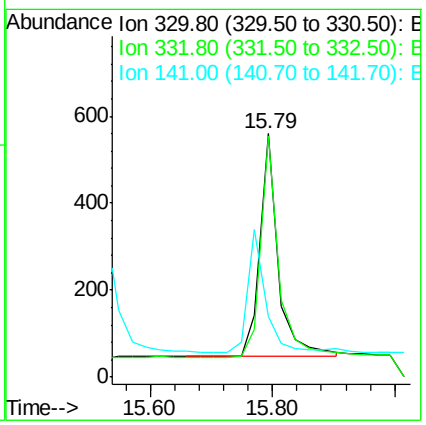


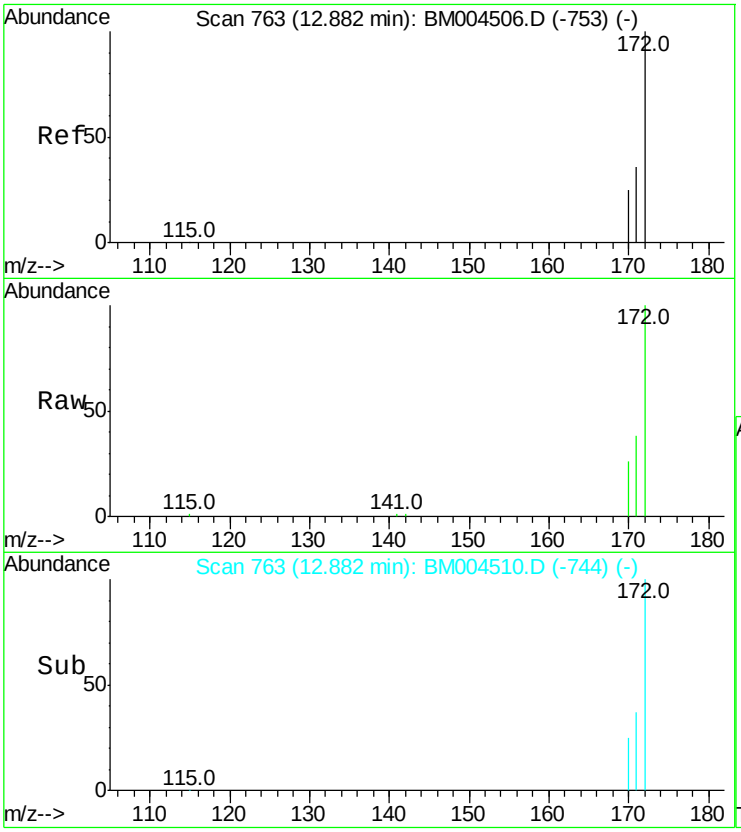


#14
2,4,6-Tribromophenol
Concen: 0.87 ng
RT: 15.79 min Scan# 926
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Tgt Ion:330 Resp: 1080

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.6	114.8
141	0.0	0.0	0.0



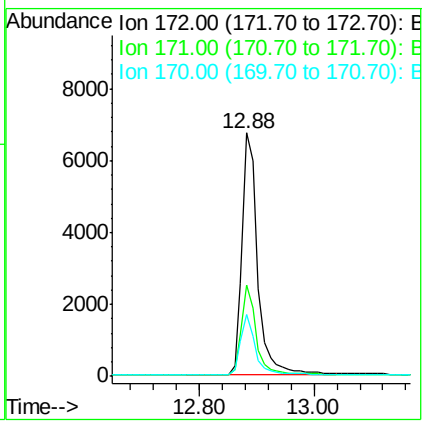


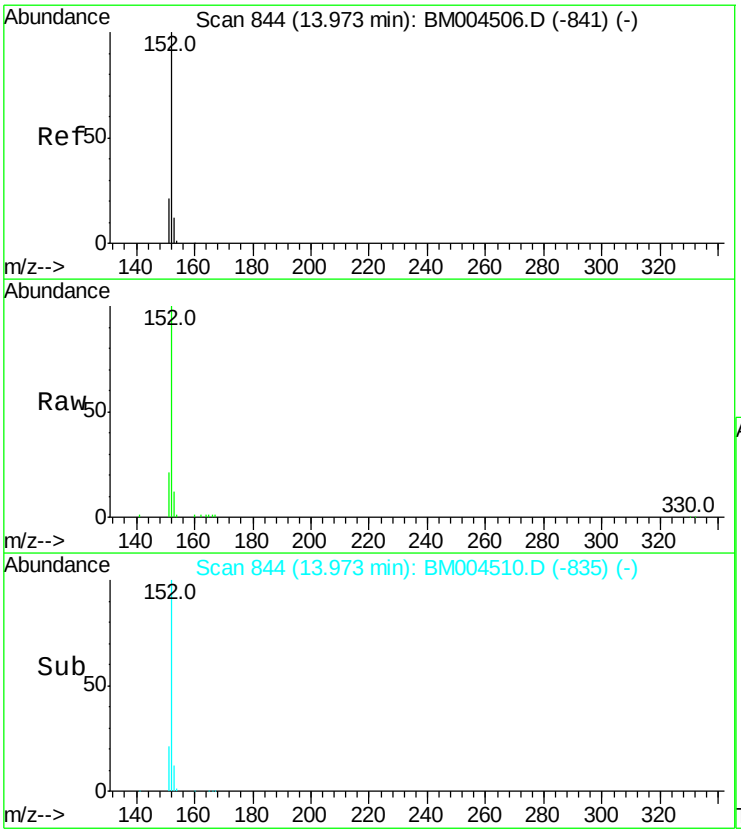
#15
2-Fluorobiphenyl
Concen: 0.94 ng
RT: 12.88 min Scan# 763
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Instrument :
BNA_M
ClientSampleId :
ICVBM030116

Tgt Ion:172 Resp: 12740

Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.5	44.3
170	25.6	20.2	30.2

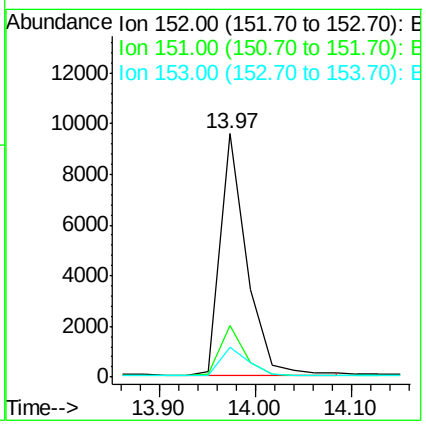


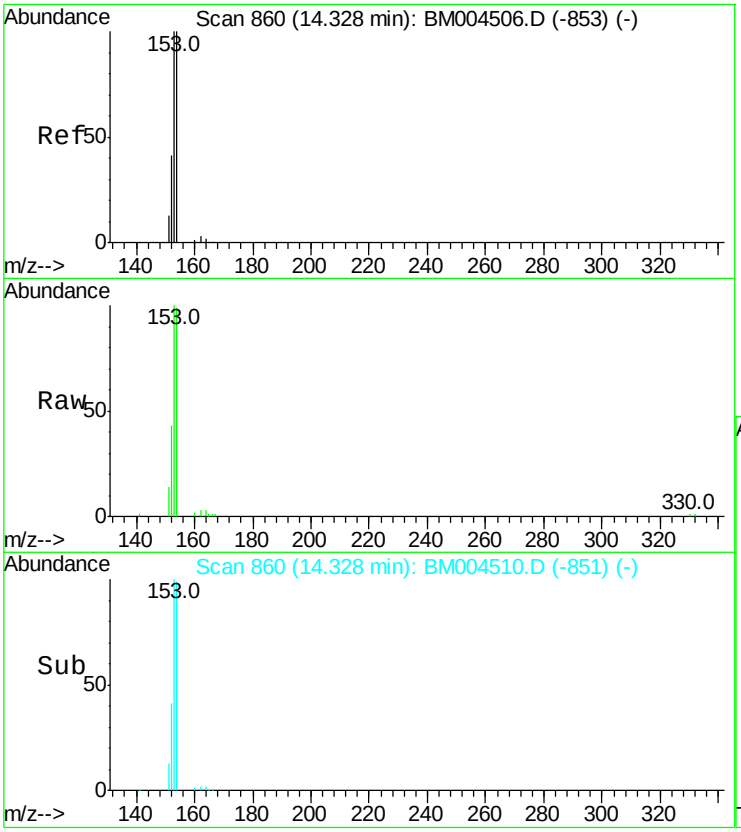


#16
Acenaphthylene
Concen: 0.91 ng
RT: 13.97 min Scan# 844
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Tgt Ion:152 Resp: 18464

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	12.8	10.2	15.4



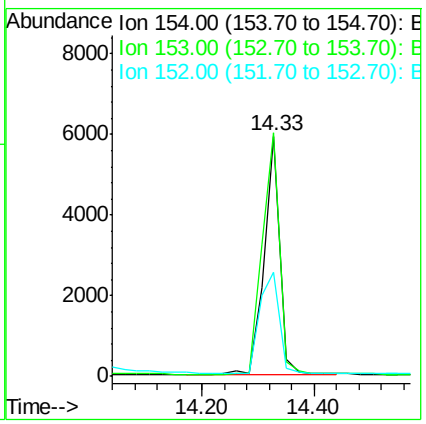


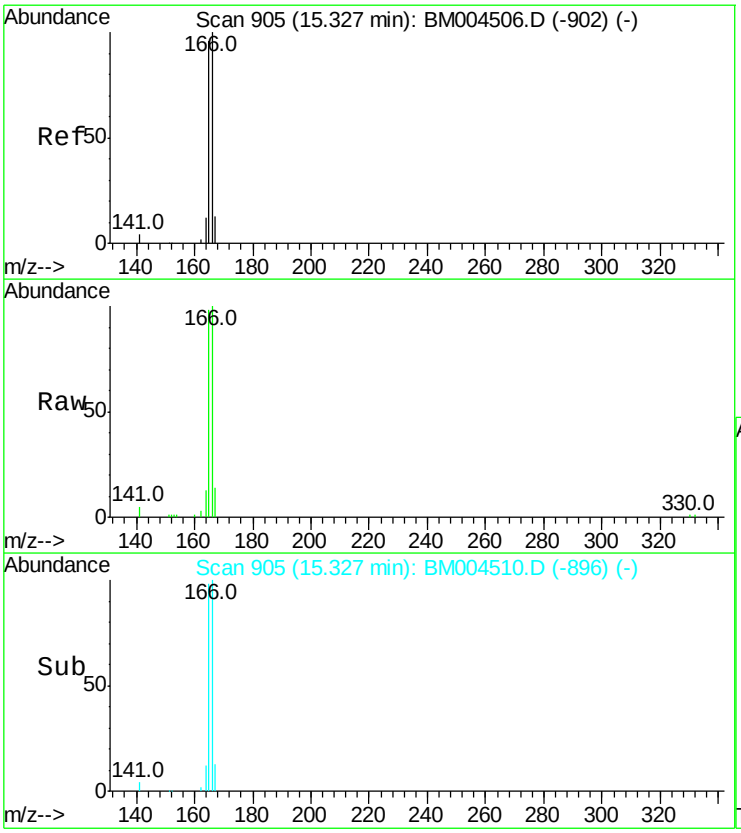
#17
Acenaphthene
Concen: 0.94 ng
RT: 14.33 min Scan# 860
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Instrument :
BNA_M
ClientSampleId :
ICVBM030116

Tgt Ion:154 Resp: 11582

Ion	Ratio	Lower	Upper
154	100		
153	111.3	88.7	133.1
152	53.0	41.8	62.8

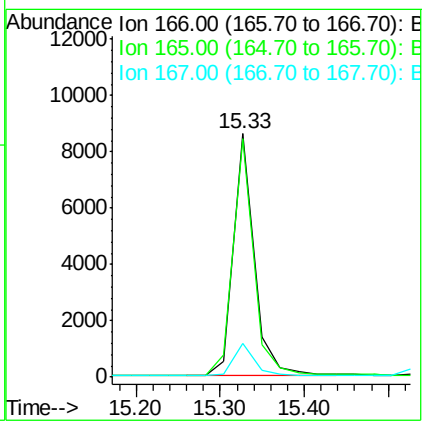


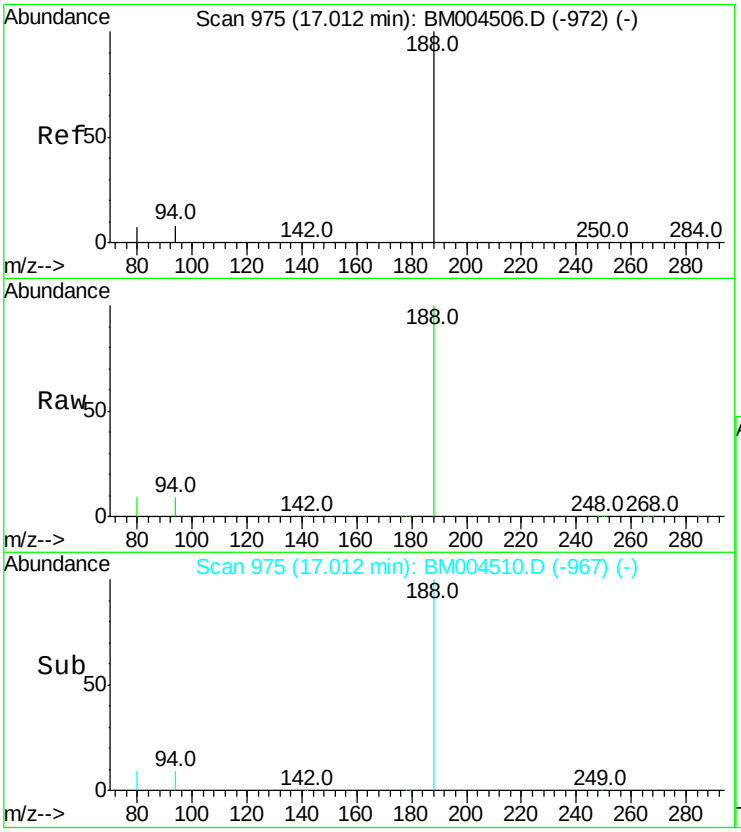


#18
Fluorene
Concen: 0.97 ng
RT: 15.33 min Scan# 905
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Tgt Ion:166 Resp: 14604

Ion	Ratio	Lower	Upper
166	100		
165	98.0	77.8	116.6
167	13.3	10.8	16.2



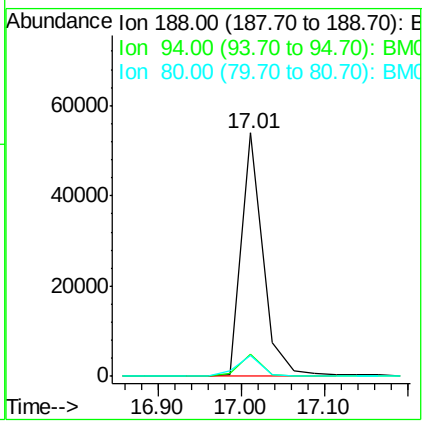


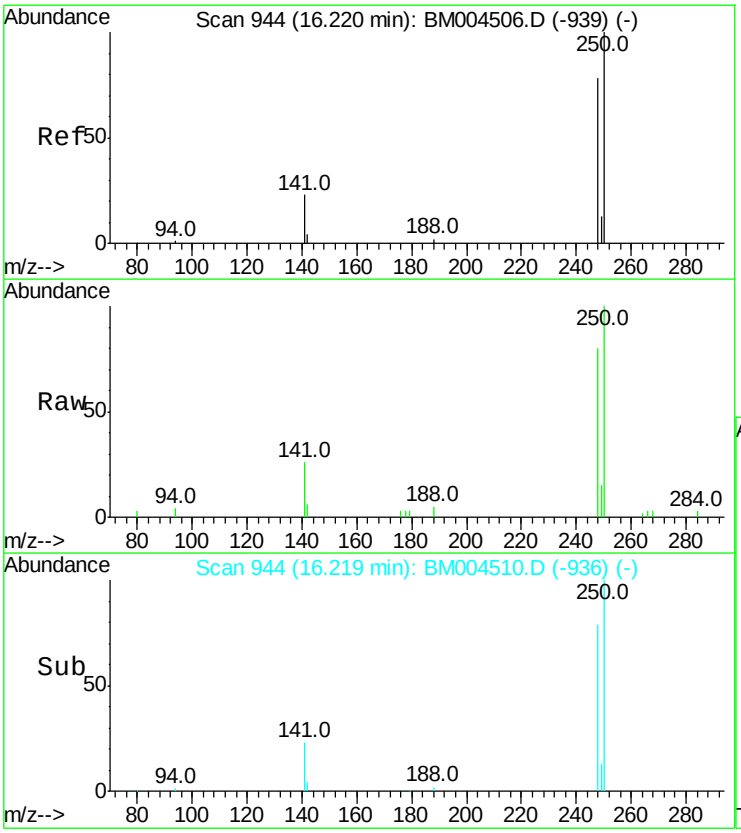
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.01 min Scan# 975
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Instrument :
BNA_M
ClientSampleId :
ICVBM030116

Tgt Ion:188 Resp: 98014

Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.3	9.5
80	8.7	5.9	8.9

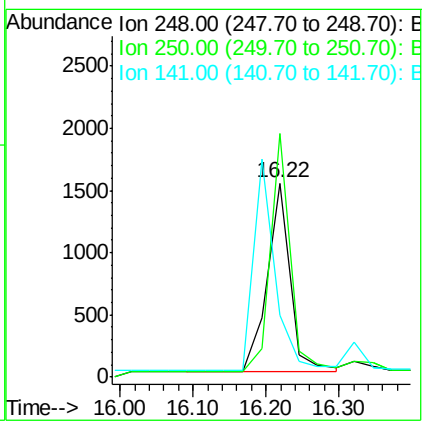


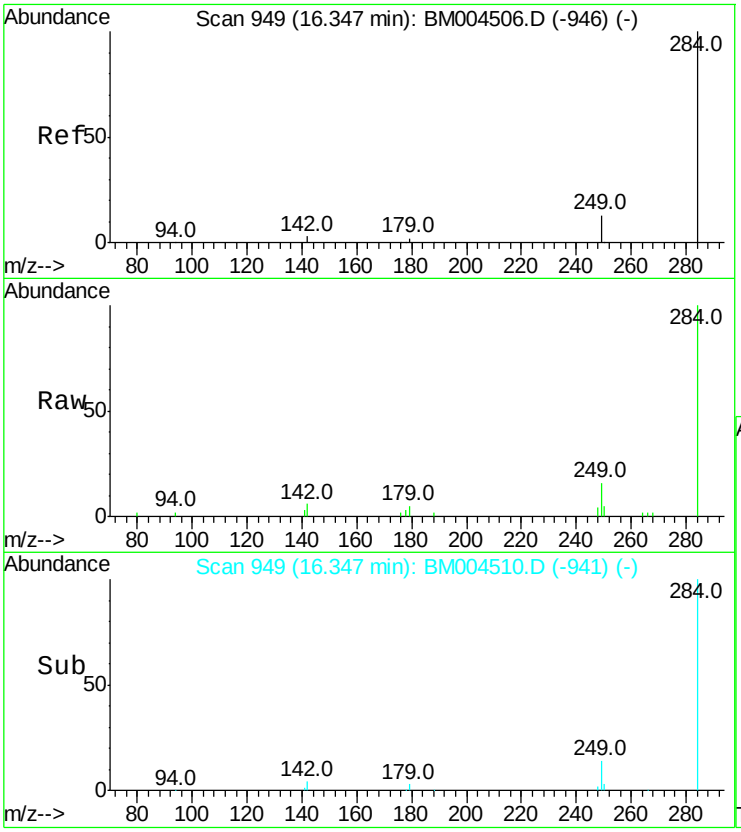


#20
4-Bromophenyl-phenylether
Concen: 0.94 ng
RT: 16.22 min Scan# 944
Delta R.T. 0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Tgt Ion:248 Resp: 3292

Ion	Ratio	Lower	Upper
248	100		
250	108.9	85.8	128.8
141	0.0	0.0	0.0



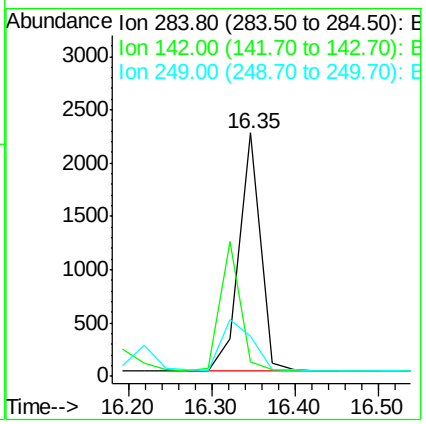


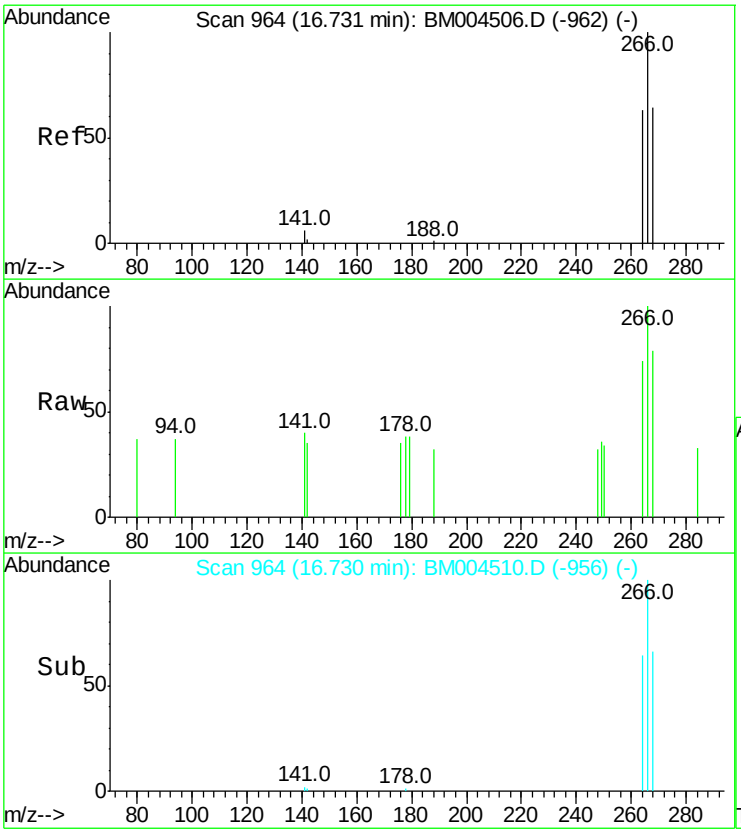
#21
Hexachlorobenzene
Concen: 1.06 ng
RT: 16.35 min Scan# 949
Delta R.T. 0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Instrument :
BNA_M
ClientSampleId :
ICVBM030116

Tgt Ion:284 Resp: 4046

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

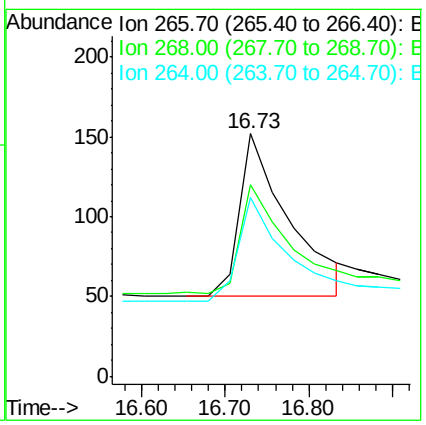


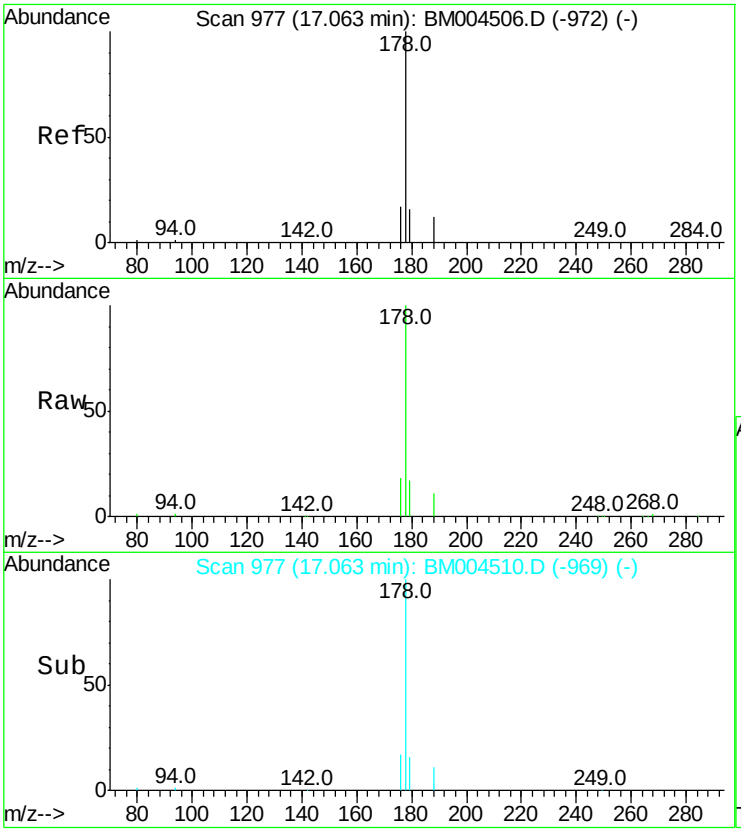


#22
Pentachlorophenol
Concen: 0.82 ng
RT: 16.73 min Scan# 964
Delta R.T. 0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Tgt Ion:266 Resp: 419

Ion	Ratio	Lower	Upper
266	100		
268	78.9	63.0	94.6
264	73.7	59.6	89.4



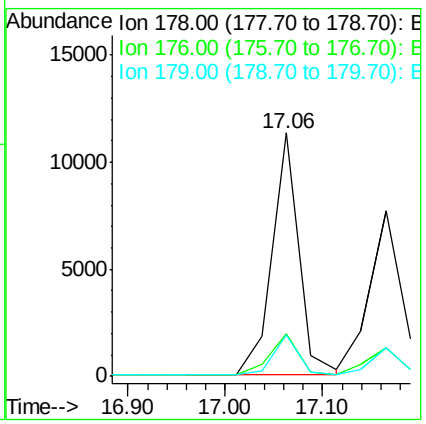


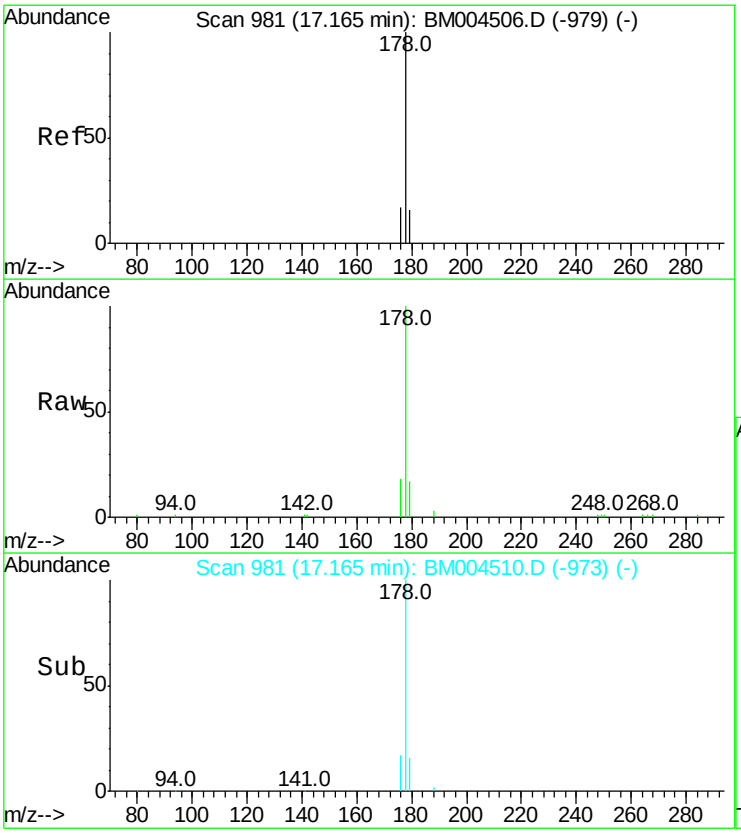
#23
Phenanthrene
Concen: 1.05 ng
RT: 17.06 min Scan# 977
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Instrument :
BNA_M
ClientSampleId :
ICVBM030116

Tgt Ion:178 Resp: 21980

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	16.1	12.8	19.2

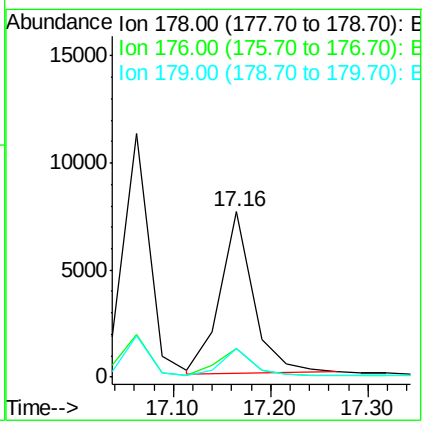


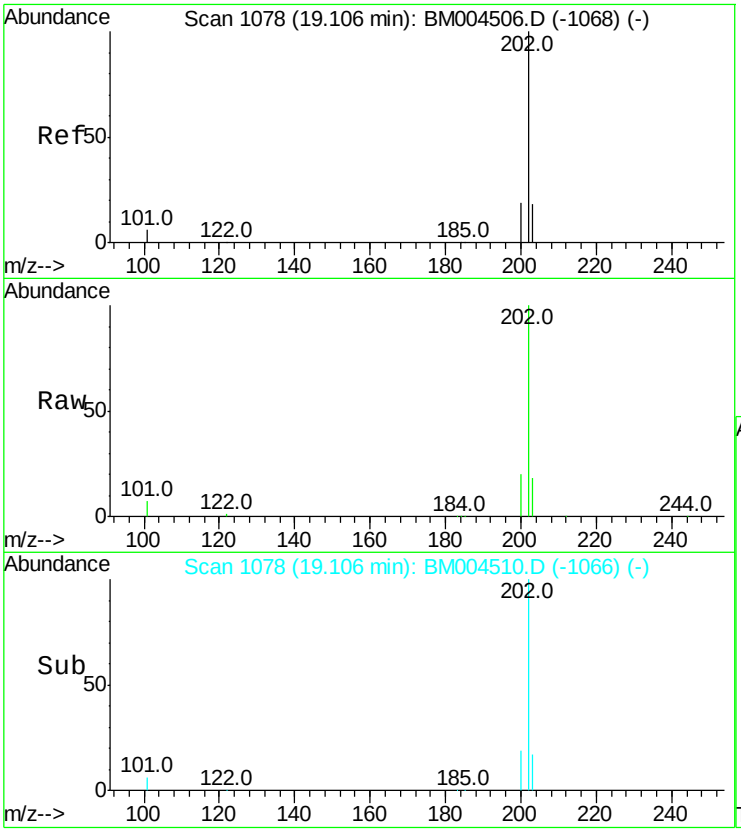


#24
Anthracene
Concen: 0.90 ng
RT: 17.16 min Scan# 981
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Tgt Ion:178 Resp: 17833

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.1	12.2	18.4



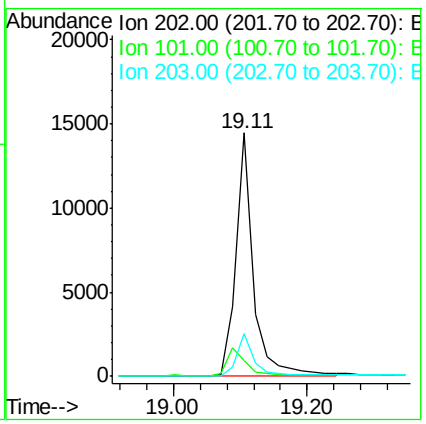


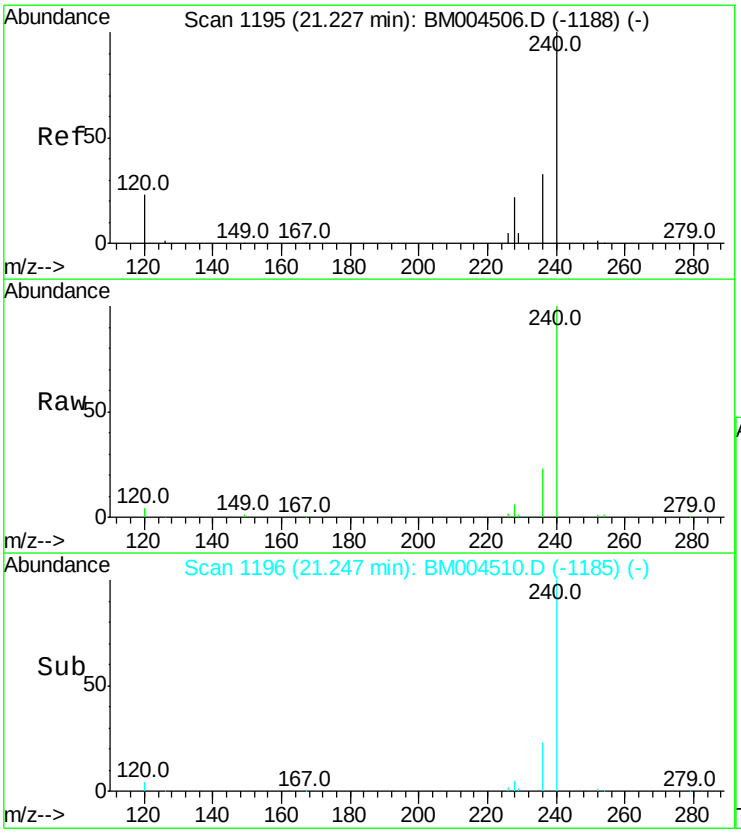
#25
Fluoranthene
Concen: 0.98 ng
RT: 19.11 min Scan# 1078
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Instrument :
BNA_M
ClientSampleId :
ICVBM030116

Tgt Ion:202 Resp: 25710

Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.8	14.8
203	17.1	13.8	20.8

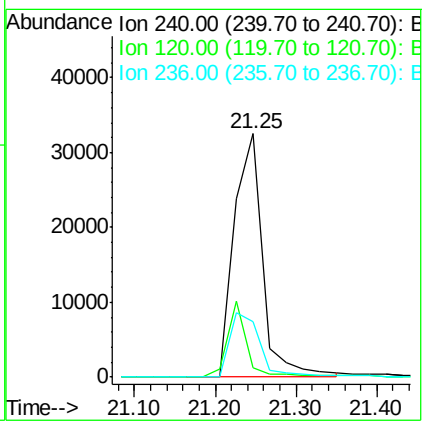


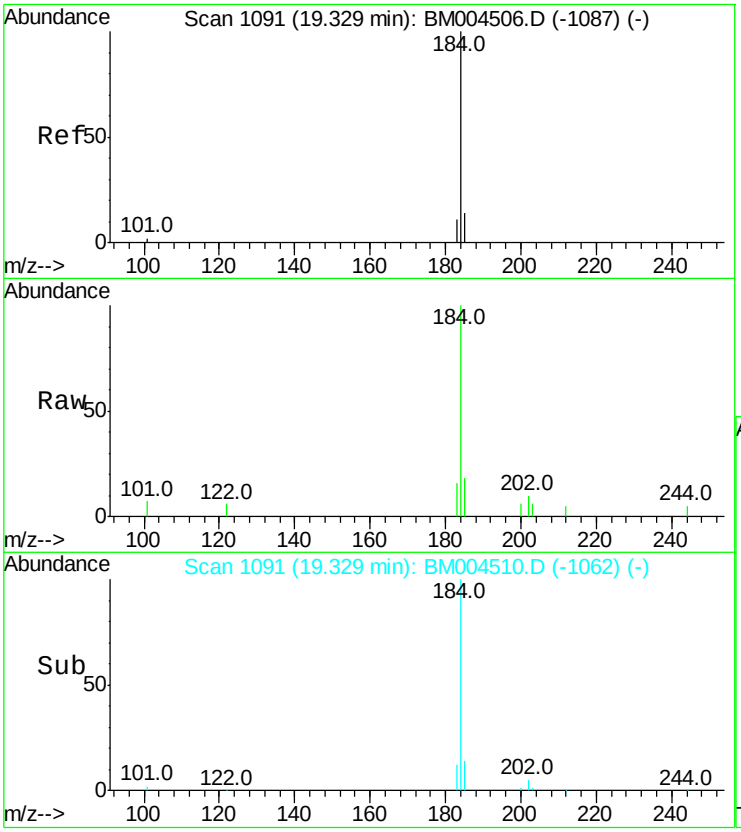


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.25 min Scan# 1196
Delta R.T. 0.02 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Tgt Ion:240 Resp: 78622

Ion	Ratio	Lower	Upper
240	100		
120	3.9	18.9	28.3#
236	23.0	26.4	39.6#



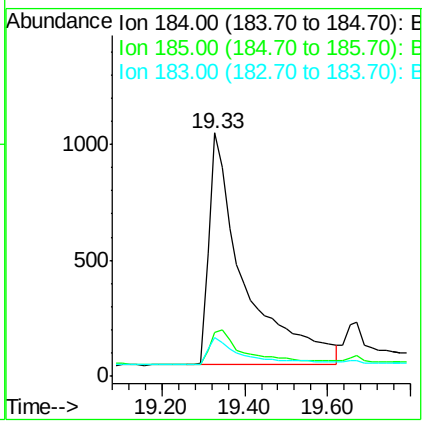


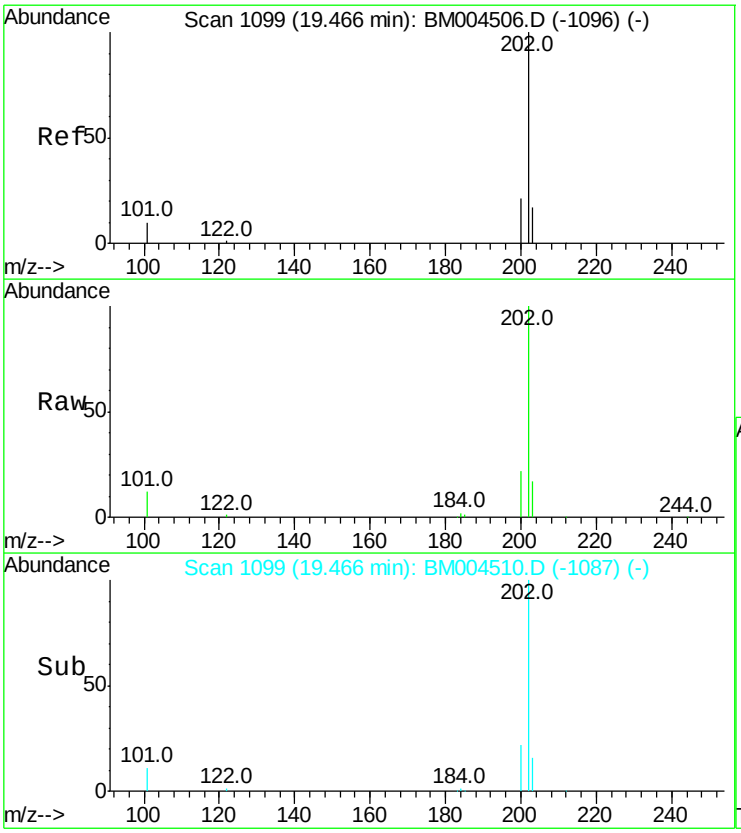
#27
Benzidine
Concen: 0.90 ng
RT: 19.33 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Instrument :
BNA_M
ClientSampleId :
ICVBM030116

Tgt Ion:184 Resp: 5886

Ion	Ratio	Lower	Upper
184	100		
185	18.3	15.0	22.4
183	15.7	12.6	19.0

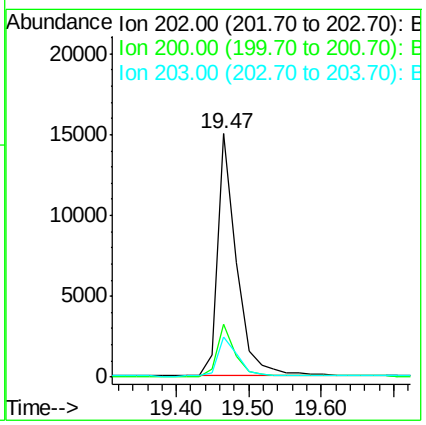


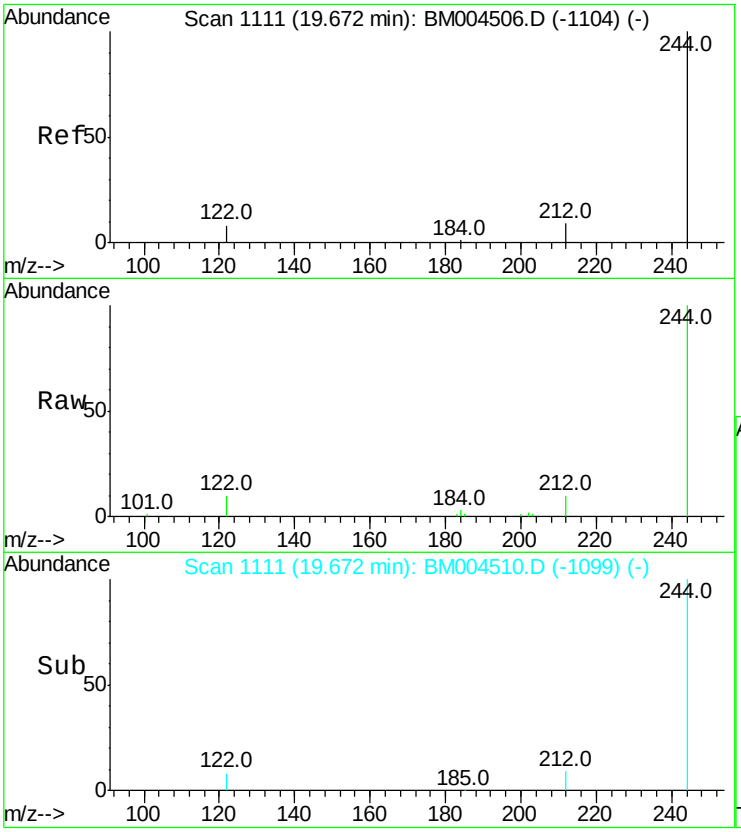


#28
Pyrene
Concen: 0.99 ng
RT: 19.47 min Scan# 1099
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Tgt Ion:202 Resp: 27191

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	17.4	13.7	20.5



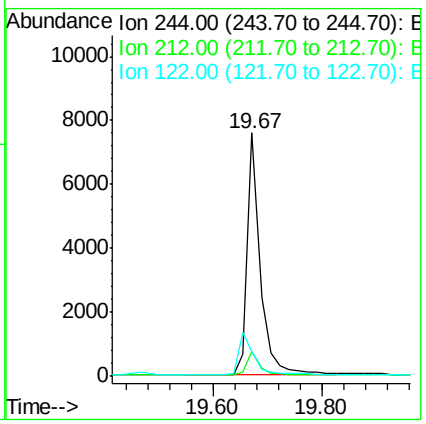


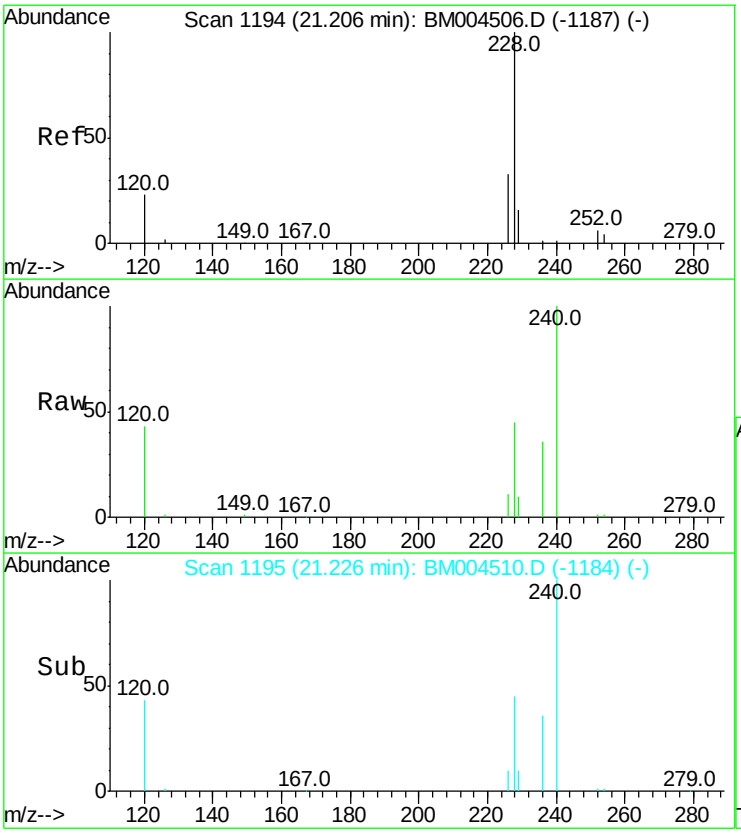
#29
Terphenyl-d14
Concen: 0.98 ng
RT: 19.67 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Instrument :
BNA_M
ClientSampleId :
ICVBM030116

Tgt Ion:244 Resp: 12541

Ion	Ratio	Lower	Upper
244	100		
212	10.1	7.8	11.6
122	10.3	7.0	10.4

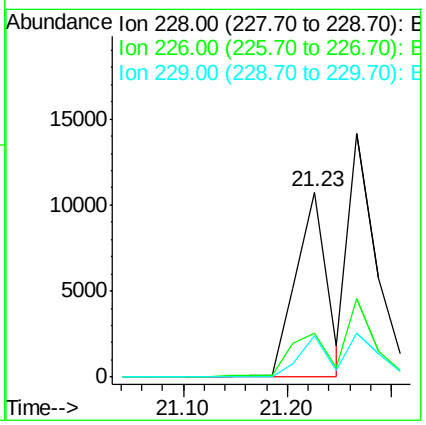


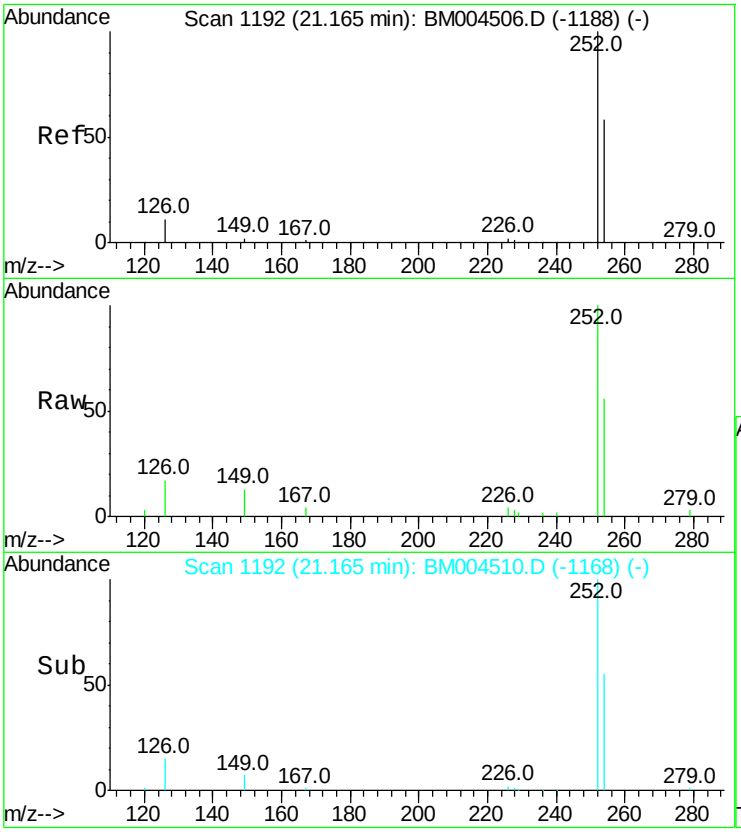


#30
Benzo(a)anthracene
Concen: 0.92 ng
RT: 21.23 min Scan# 1195
Delta R.T. 0.02 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Tgt Ion:228 Resp: 21705

Ion	Ratio	Lower	Upper
228	100		
226	23.4	27.0	40.4#
229	22.3	13.1	19.7#



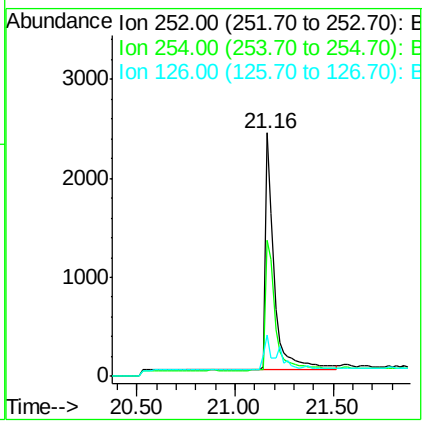


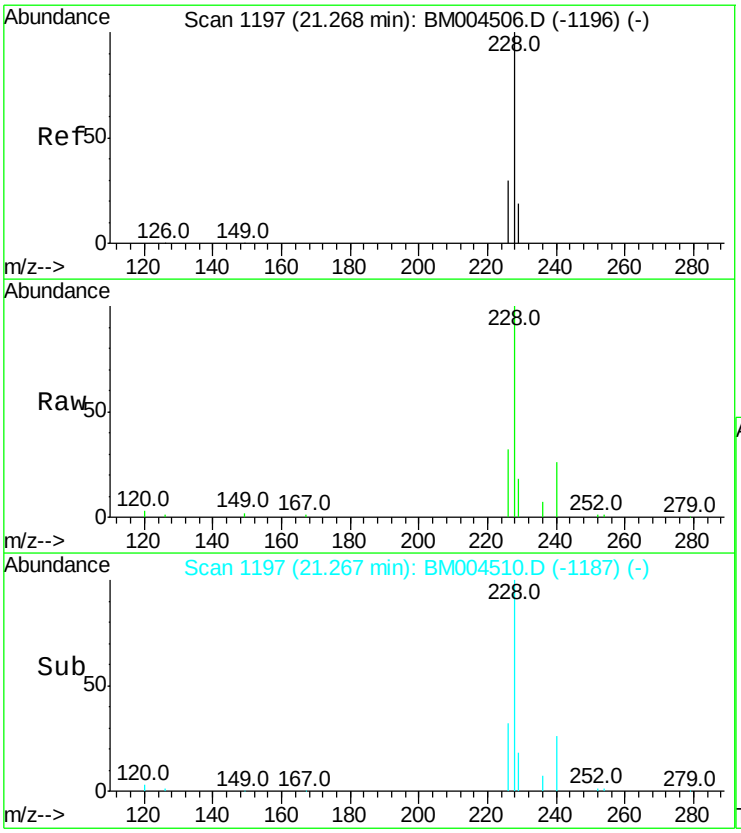
#31
3,3'-Dichlorobenzidine
Concen: 0.99 ng
RT: 21.16 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Instrument :
BNA_M
ClientSampleId :
ICVBM030116

Tgt Ion:252 Resp: 7427

Ion	Ratio	Lower	Upper
252	100		
254	56.0	47.4	71.0
126	17.2	11.0	16.6#

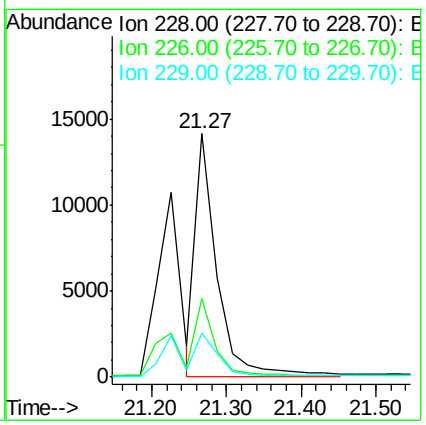


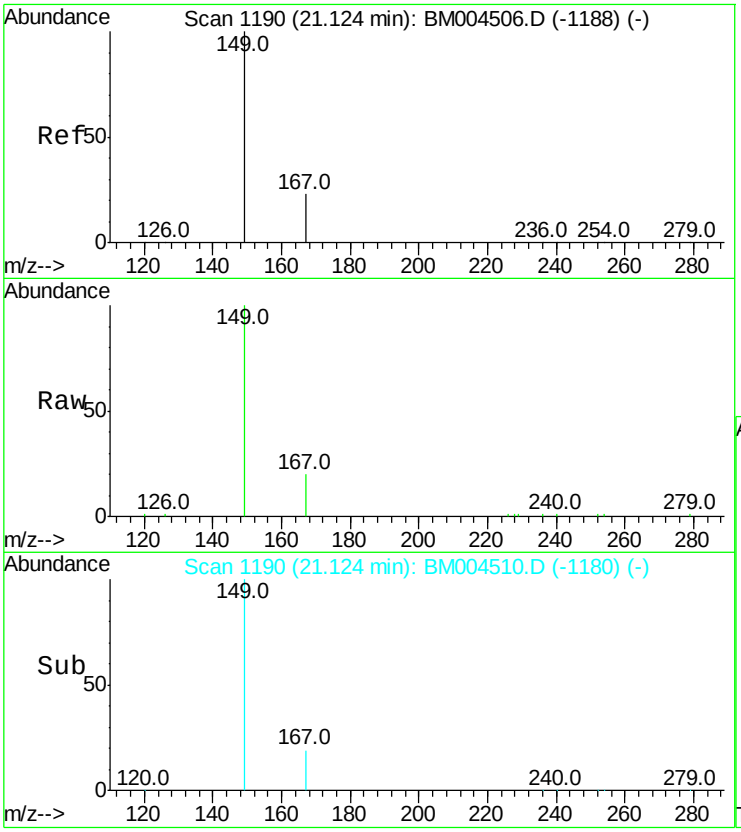


#32
Chrysene
Concen: 1.11 ng m
RT: 21.27 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Tgt Ion:228 Resp: 28569

Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.6	37.0
229	17.8	15.2	22.8



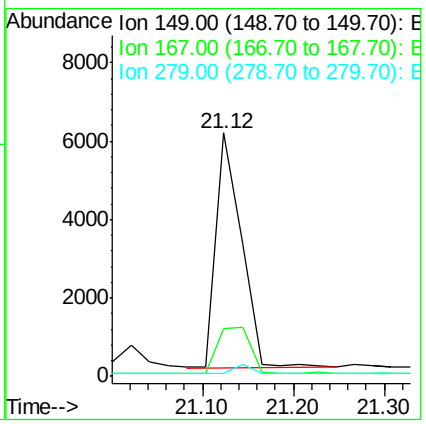


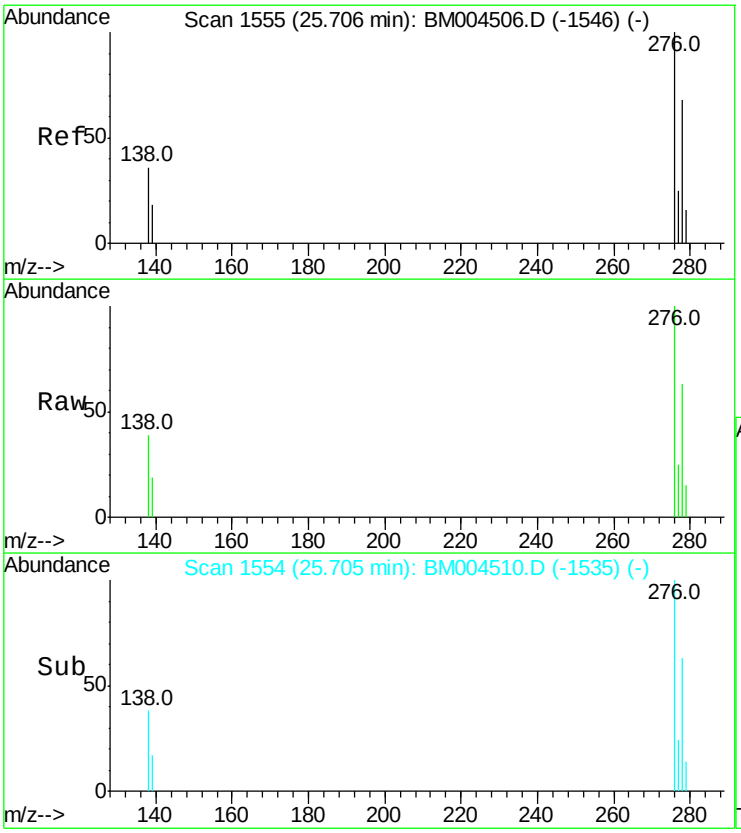
#33
Bis(2-ethylhexyl)phthalate
Concen: 0.81 ng
RT: 21.12 min Scan# 1190
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Instrument :
BNA_M
ClientSampleId :
ICVBM030116

Tgt Ion:149 Resp: 11528

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

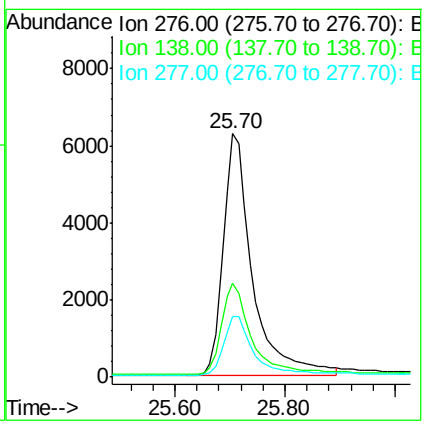


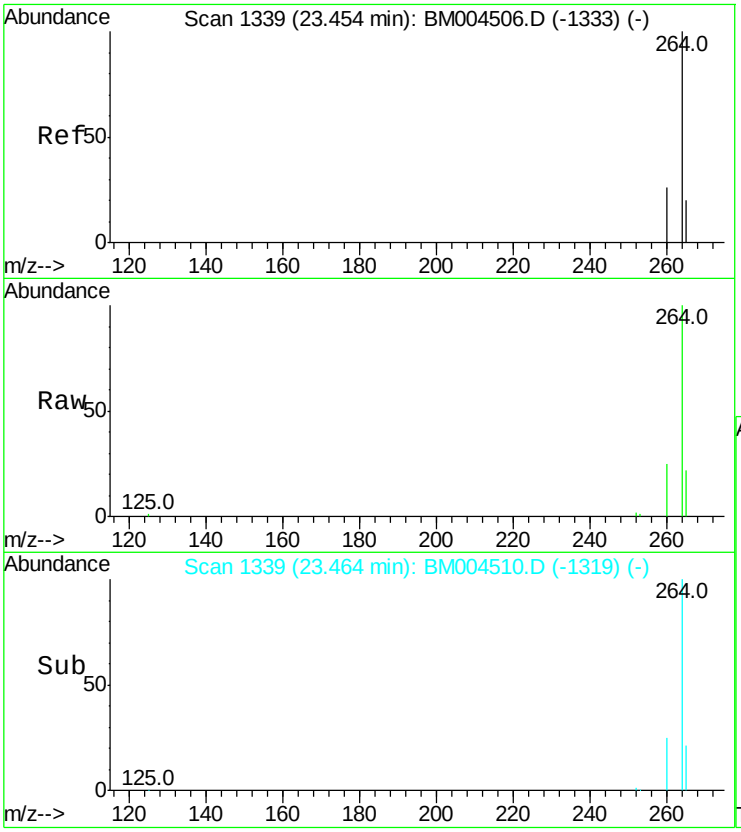


#34
Indeno(1,2,3-cd)pyrene
Concen: 1.00 ng
RT: 25.70 min Scan# 1554
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Tgt Ion:276 Resp: 23031

Ion	Ratio	Lower	Upper
276	100		
138	38.8	31.0	46.4
277	24.8	19.9	29.9



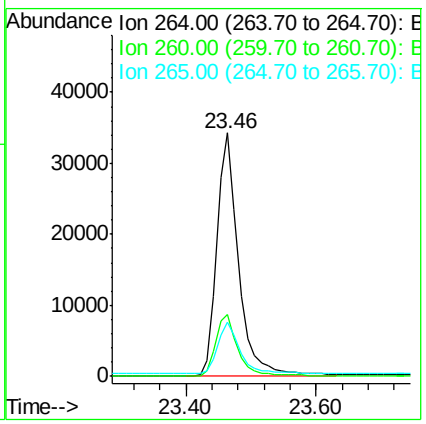


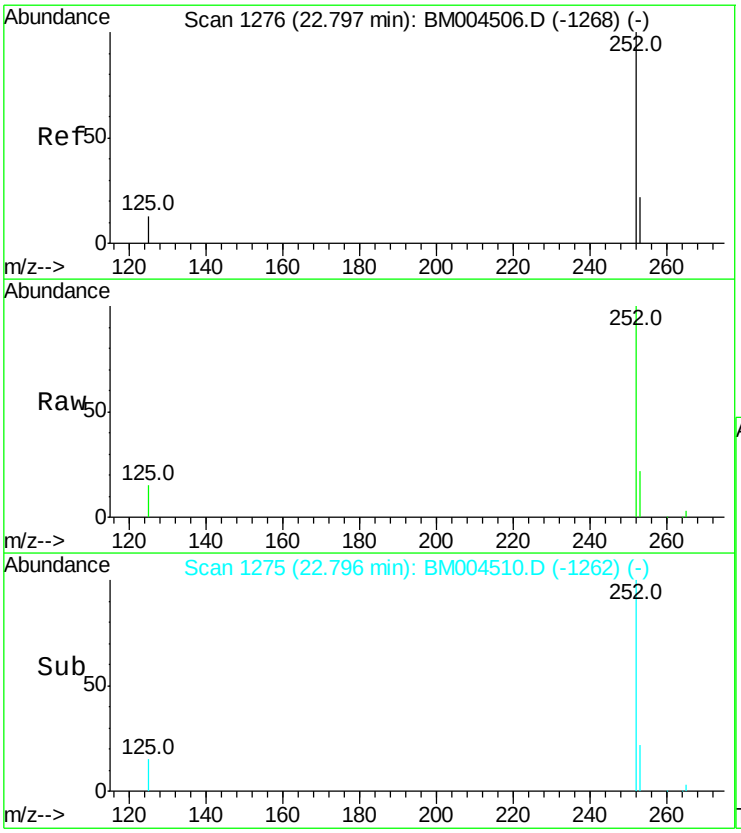
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.46 min Scan# 1339
Delta R.T. 0.01 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Instrument :
BNA_M
ClientSampleId :
ICVBM030116

Tgt Ion:264 Resp: 78915

Ion	Ratio	Lower	Upper
264	100		
260	25.3	21.2	31.8
265	22.4	17.4	26.0

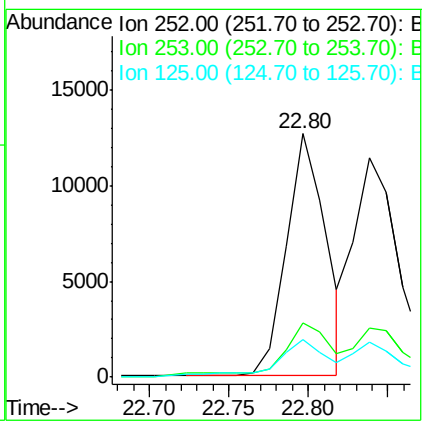


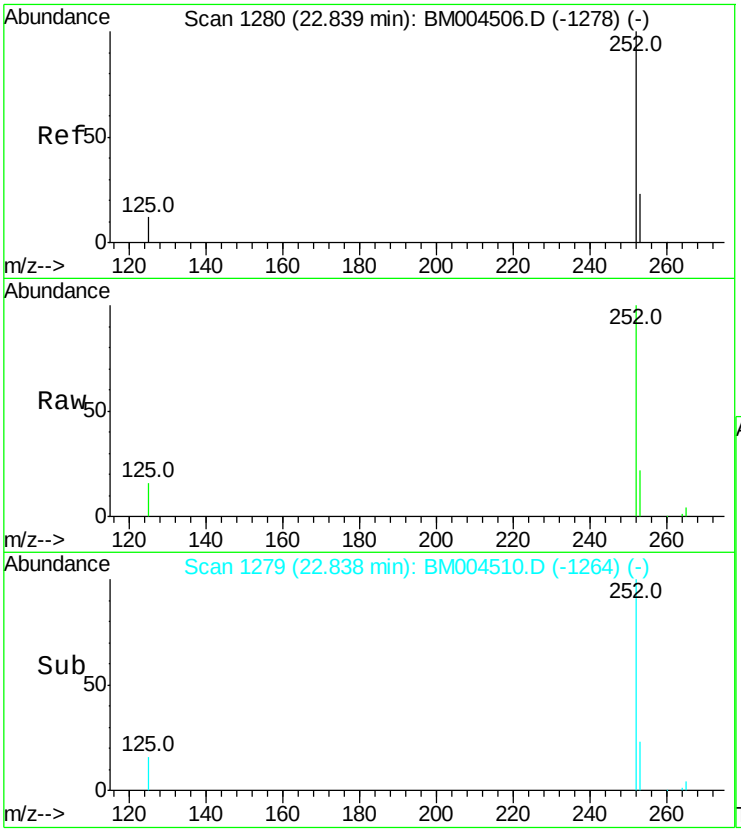


#36
Benzo(b)fluoranthene
Concen: 0.85 ng
RT: 22.80 min Scan# 1275
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Tgt Ion:252 Resp: 21582

Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.0	28.4
125	15.4	11.7	17.5



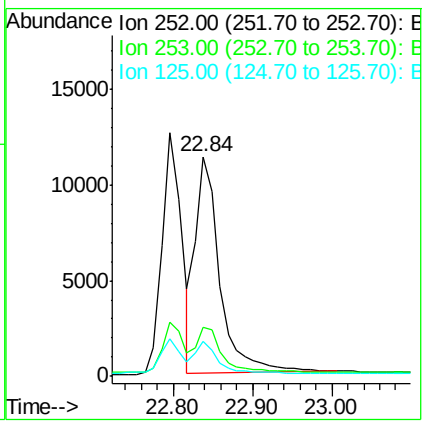


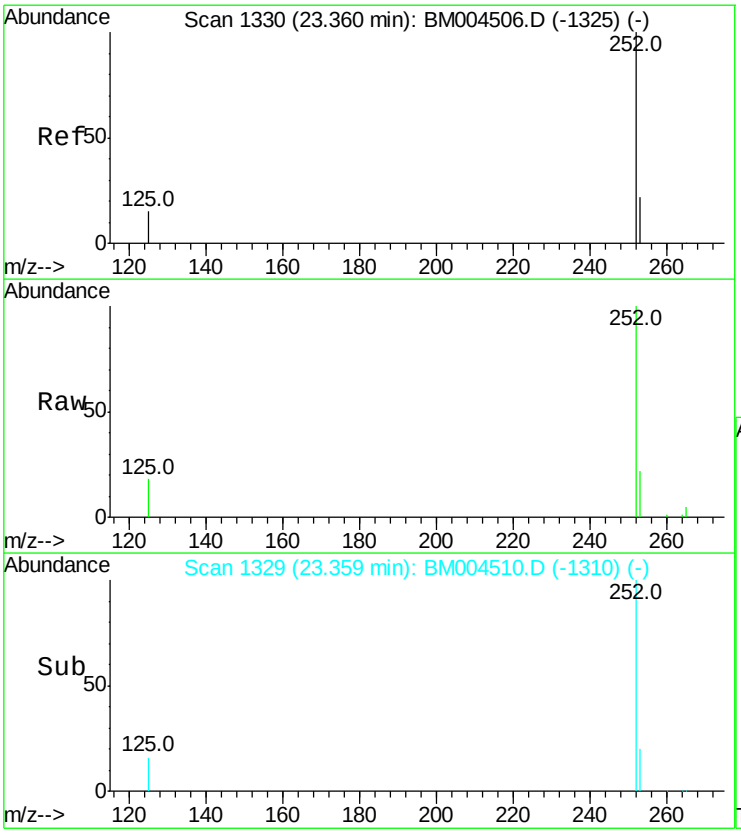
#37
Benzo(k)fluoranthene
Concen: 0.96 ng
RT: 22.84 min Scan# 1279
Delta R.T. 0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Instrument :
BNA_M
ClientSampleId :
ICVBM030116

Tgt Ion:252 Resp: 24055

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.9	28.3
125	15.7	11.9	17.9

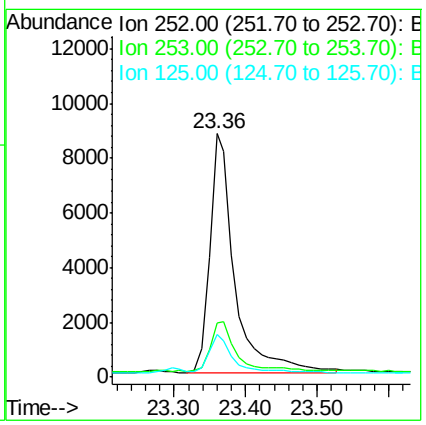


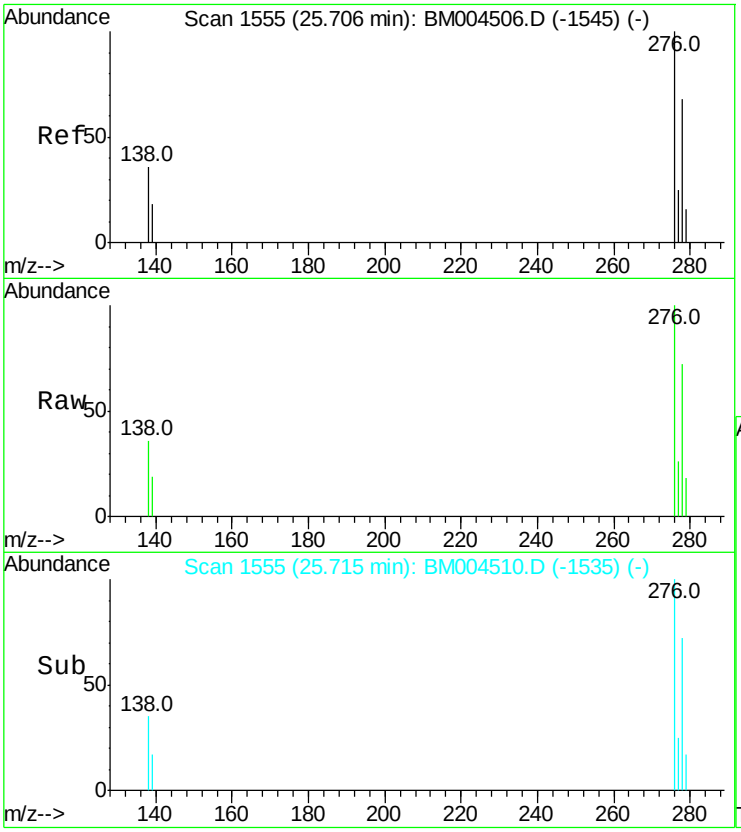


#38
Benzo(a)pyrene
Concen: 0.91 ng
RT: 23.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Tgt Ion:252 Resp: 21270

Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.0	28.6
125	17.7	13.7	20.5



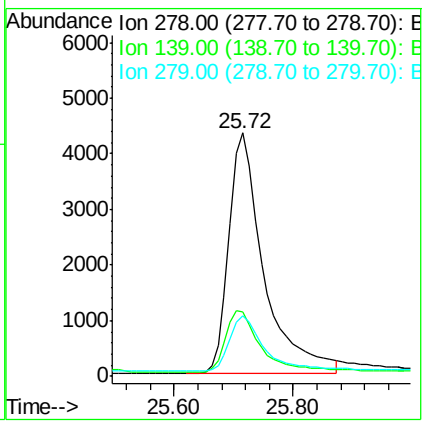


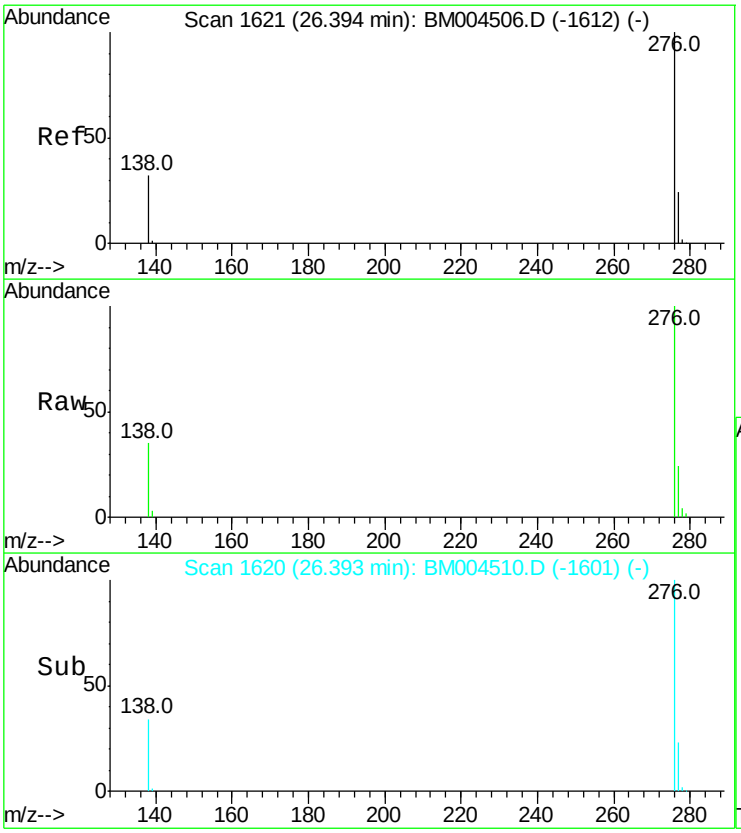
#39
Dibenzo(a,h)anthracene
Concen: 0.91 ng
RT: 25.72 min Scan# 1555
Delta R.T. 0.01 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Instrument :
BNA_M
ClientSampleId :
ICVBM030116

Tgt Ion:278 Resp: 17558

Ion	Ratio	Lower	Upper
278	100		
139	26.5	22.6	33.8
279	25.0	20.1	30.1





#40
Benzo(g,h,i)perylene
Concen: 0.91 ng
RT: 26.39 min Scan# 1620
Delta R.T. -0.00 min
Lab File: BM004510.D
Acq: 02 Mar 2016 08:57

Tgt Ion:276 Resp: 20019

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.8	29.8
138	34.6	26.6	40.0