Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\Data\BM030116\
Data File : BM004515.D
Acq On : 02 Mar 2016 12:06
Operator : SJ/UM
Sample : PB88423BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PB88423BSD

Quant Time: Mar 02 15:30:55 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	20790	5.00	ng		0.00
7) Naphthalene-d8	10.39	136	79055	5.00	ng		0.00
13) Acenaphthene-d10	14.26	164	38678	5.00	ng		0.00
19) Phenanthrene-d10	17.01	188	93788	5.00	ng		0.00
26) Chrysene-d12	21.23	240	79280	5.00	ng		0.00
35) Perylene-d12	23.46	264	66843	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.21	112	31230	7.19	ng		-0.03
5) Phenol-d6	6.80	99	39214	6.81	ng		-0.03
8) Nitrobenzene-d5	8.77	82	16032	3.83	ng		-0.02
14) 2,4,6-Tribromophenol	15.77	330	9855	6.96	ng		-0.02
15) 2-Fluorobiphenyl	12.88	172	51228	4.26	ng		0.00
29) Terphenyl-d14	19.67	244	42254	3.56	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.10	88	6524	3.47	ng		97
3) n-Nitrosodimethylamine	3.41	42	5869	4.02	ng		95
6) bis(2-Chloroethyl)ether	7.04	93	16761	3.53	ng		95
9) Nitrobenzene	8.82	77	16299	3.42	ng		100
10) Naphthalene	10.42	128	65414	3.50	ng		96
11) Hexachlorobutadiene	10.72	225	11086	3.44	ng		99
12) 2-Methylnaphthalene	12.06	142	43836	3.89	ng		92
16) Acenaphthylene	13.97	152	72437	3.74	ng		99
17) Acenaphthene	14.33	154	39358	3.75	ng	#	5
18) Fluorene	15.33	166	50143	3.88	ng		100
20) 4-Bromophenyl-phenylether	16.19	248	13496	3.58	ng	#	79
21) Hexachlorobenzene	16.35	284	12658	3.73	ng	#	100
22) Pentachlorophenol	16.70	266	5918	7.00	ng	#	85
23) Phenanthrene	17.14	178	76833	4.16	ng		98
24) Anthracene	17.14	178	81446	3.63	ng		99
25) Fluoranthene	19.09	202	93379	3.87	ng		100
27) Benzidine	19.29	184	71485	6.90	ng	#	90
28) Pyrene	19.47	202	98373	3.66	ng		99
30) Benzo(a)anthracene	21.21	228	107190	4.37	ng		92
31) 3,3'-Dichlorobenzidine	21.17	252	29063	3.83	ng	#	80
32) Chrysene	21.27	228	69480	2.96	ng		93
33) Bis(2-ethylhexyl)phthalate	21.13	149	67123	4.19	ng	#	100
34) Indeno(1,2,3-cd)pyrene	25.69	276	86115	3.71	ng		100
36) Benzo(b)fluoranthene	22.79	252	92814	4.50	ng		98
37) Benzo(k)fluoranthene	22.83	252	79365	3.88	ng		97
38) Benzo(a)pyrene	23.35	252	78368	3.95	ng		97
39) Dibenzo(a,h)anthracene	25.69	278	68388	4.17	ng		97
40) Benzo(g,h,i)perylene	26.38	276	74613	4.01	ng		99

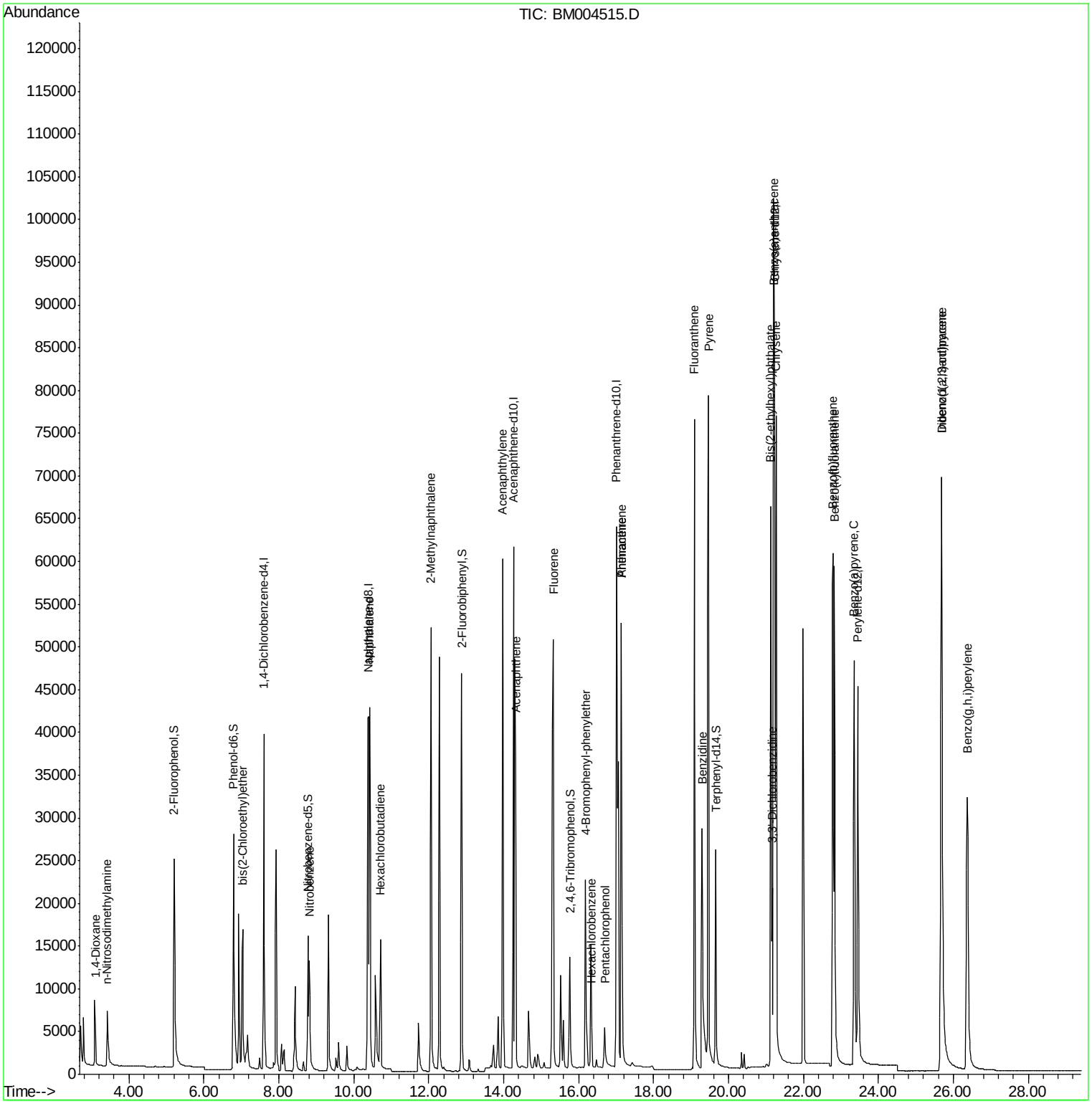
(#) = qualifier out of range (m) = manual integration (+) = signals summed

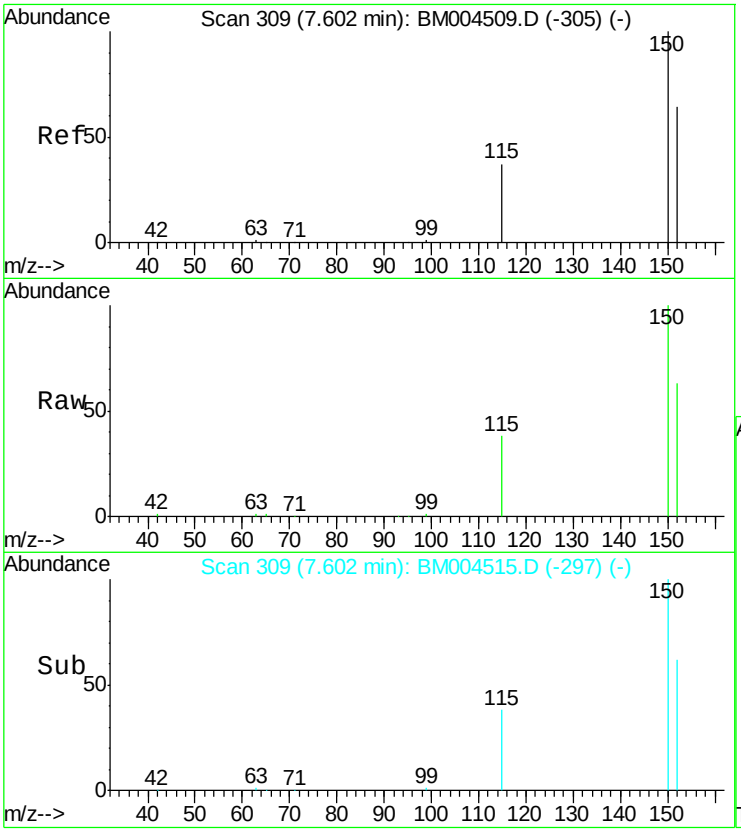
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\Data\BM030116\
Data File : BM004515.D
Acq On : 02 Mar 2016 12:06
Operator : SJ/UM
Sample : PB88423BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PB88423BSD

Quant Time: Mar 02 15:30:55 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



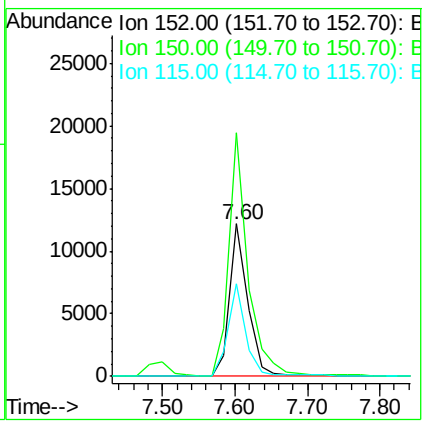


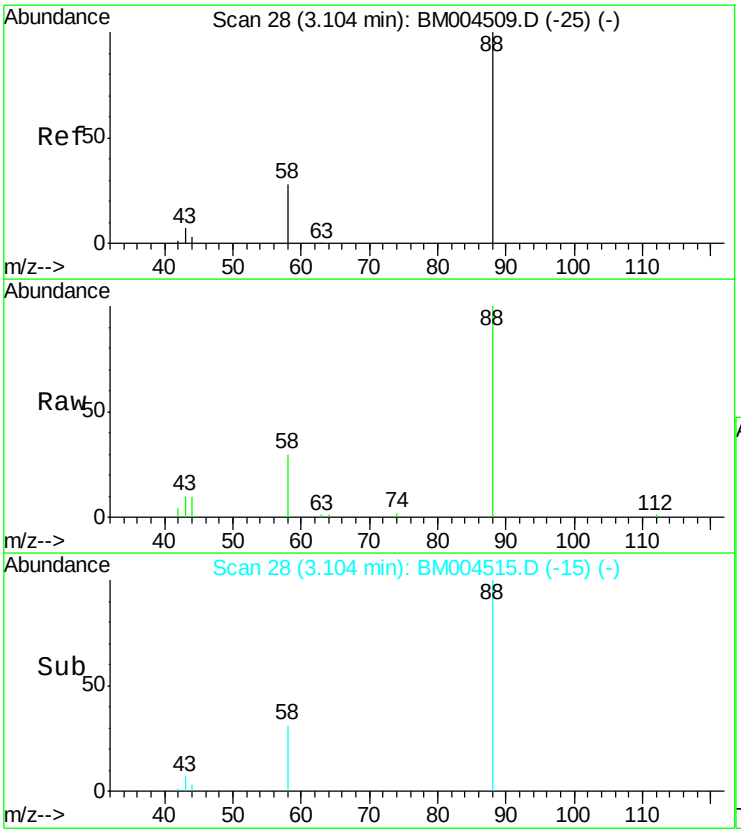
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.60 min Scan# 309
Delta R.T. -0.00 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Tgt Ion:152 Resp: 20790

Ion	Ratio	Lower	Upper
152	100		
150	159.9	134.2	201.2
115	60.7	52.2	78.4

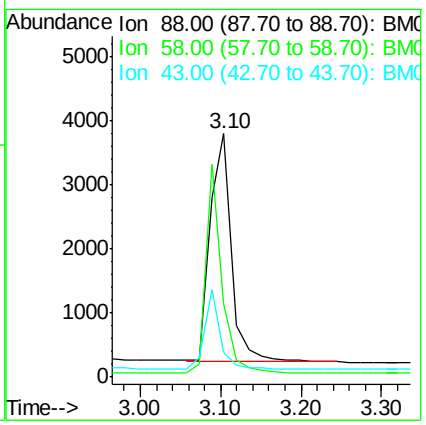


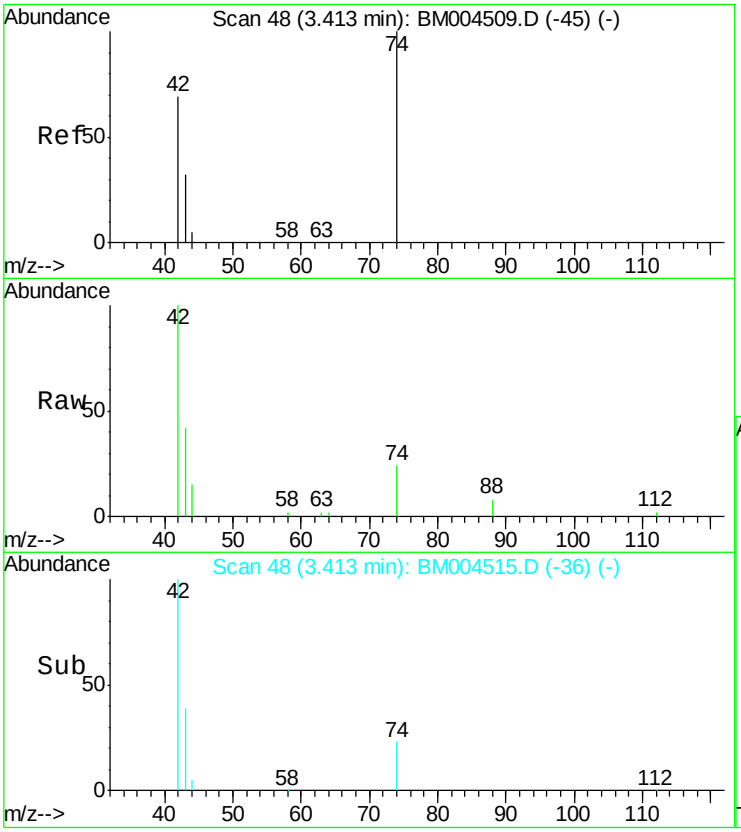


#2
1,4-Dioxane
Concen: 3.47 ng
RT: 3.10 min Scan# 28
Delta R.T. 0.00 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Tgt Ion: 88 Resp: 6524

Ion	Ratio	Lower	Upper
88	100		
58	69.4	52.9	79.3
43	26.3	20.8	31.2



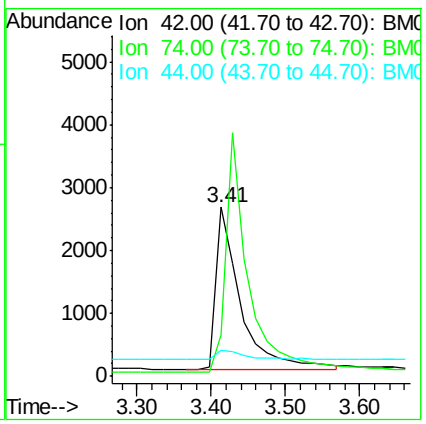


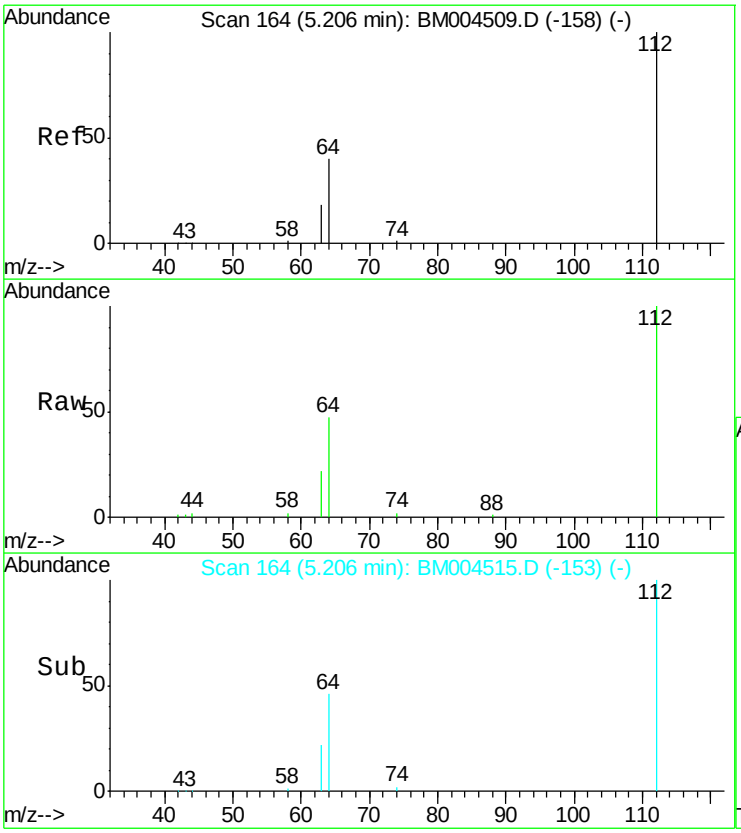
#3
n-Nitrosodimethylamine
Concen: 4.02 ng
RT: 3.41 min Scan# 48
Delta R.T. -0.02 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Tgt Ion: 42 Resp: 5869

Ion	Ratio	Lower	Upper
42	100		
74	137.7	115.5	173.3
44	7.1	6.2	9.4

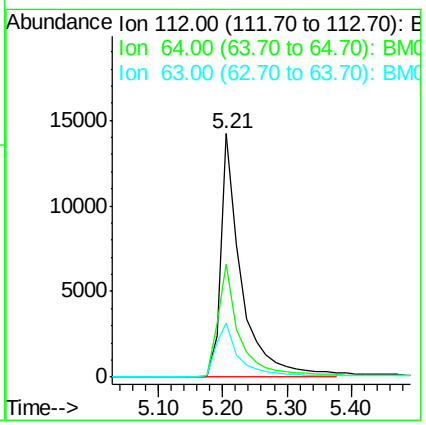


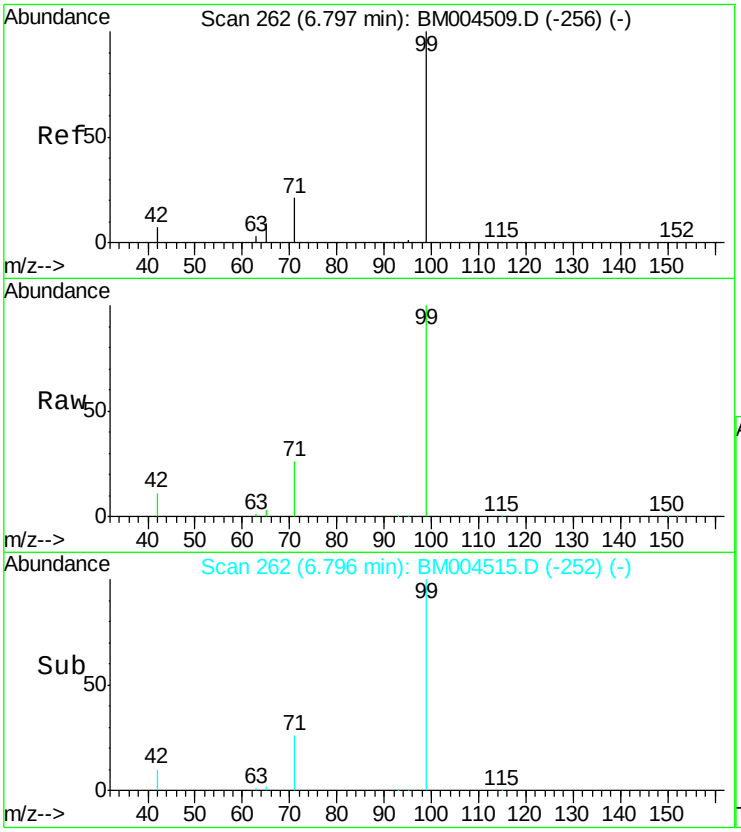


#4
2-Fluorophenol
Concen: 7.19 ng
RT: 5.21 min Scan# 164
Delta R.T. -0.03 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Tgt Ion:112 Resp: 31230

Ion	Ratio	Lower	Upper
112	100		
64	49.0	37.0	55.6
63	24.6	19.0	28.4



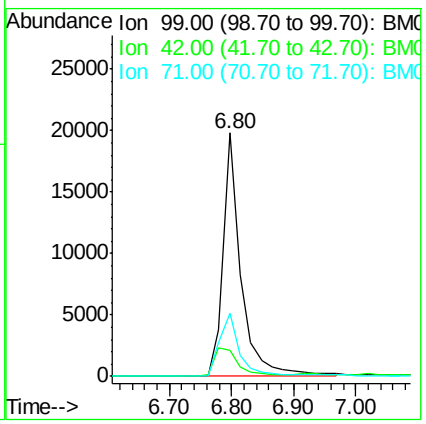


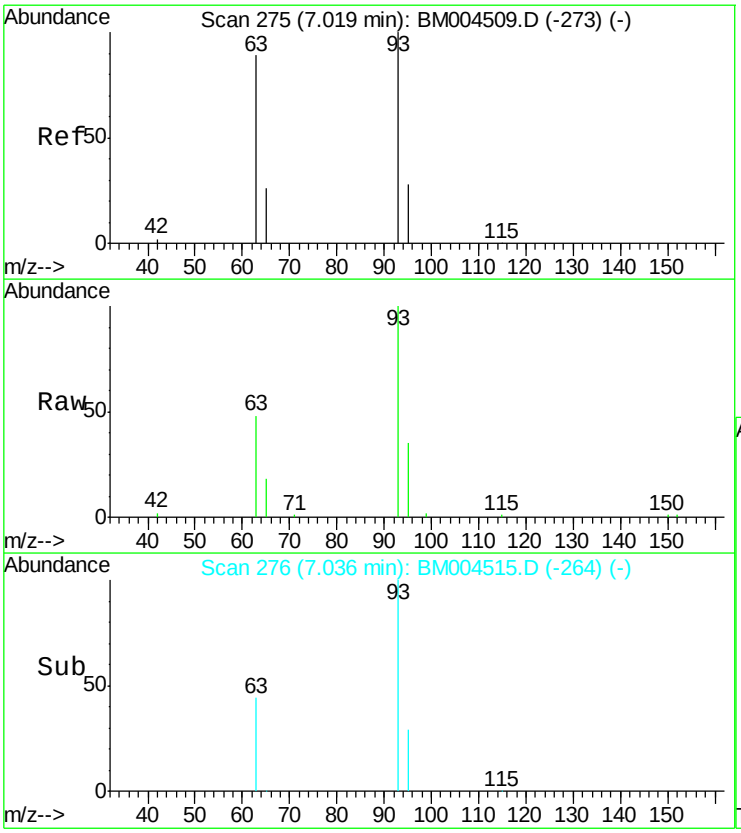
#5
Phenol-d6
Concen: 6.81 ng
RT: 6.80 min Scan# 262
Delta R.T. -0.03 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Tgt Ion: 99 Resp: 39214

Ion	Ratio	Lower	Upper
99	100		
42	14.9	12.2	18.4
71	28.9	23.4	35.2

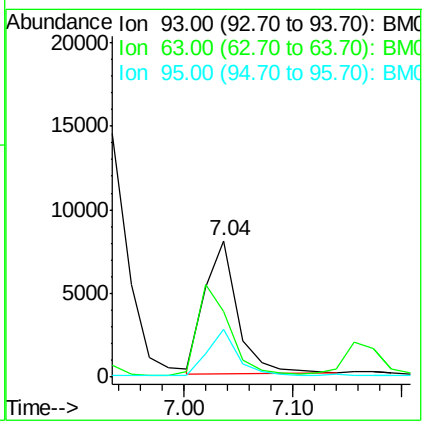


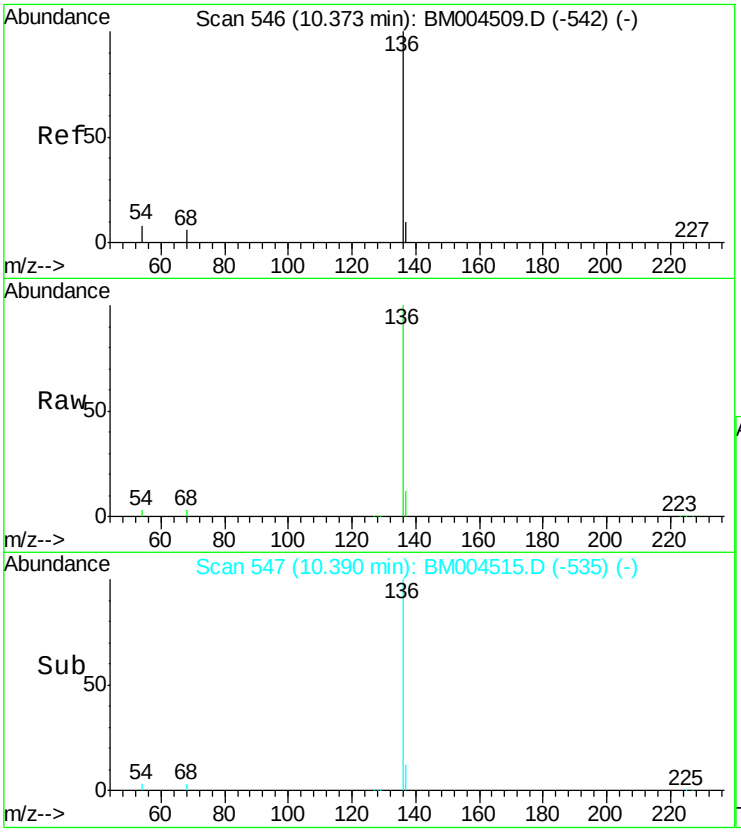


#6
bis(2-Chloroethyl)ether
Concen: 3.53 ng
RT: 7.04 min Scan# 276
Delta R.T. 0.00 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Tgt Ion: 93 Resp: 16761

Ion	Ratio	Lower	Upper
93	100		
63	68.4	51.1	76.7
95	32.9	25.0	37.6



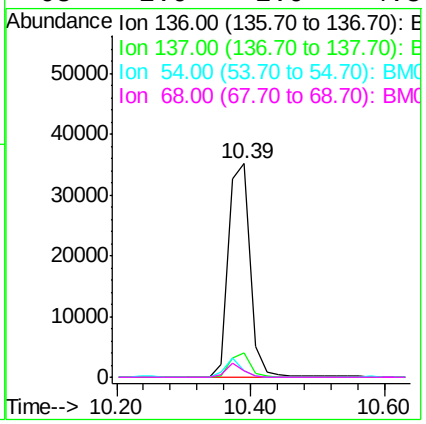


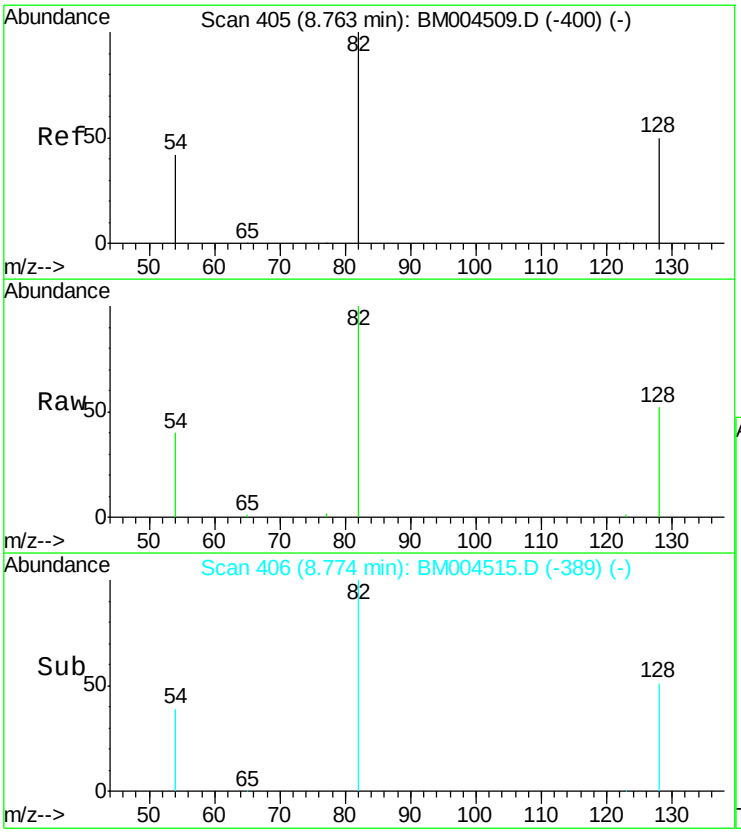
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.39 min Scan# 547
Delta R.T. -0.00 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Tgt Ion:136 Resp: 79055

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.0	13.6
54	3.2	3.3	4.9#
68	2.9	2.9	4.3

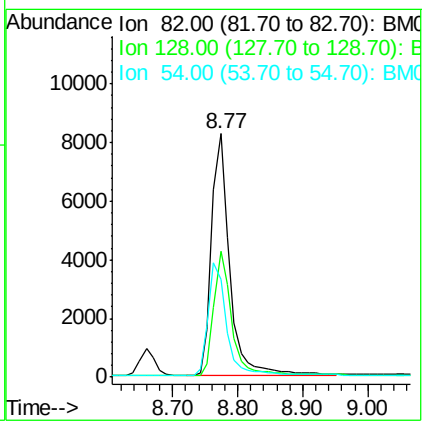


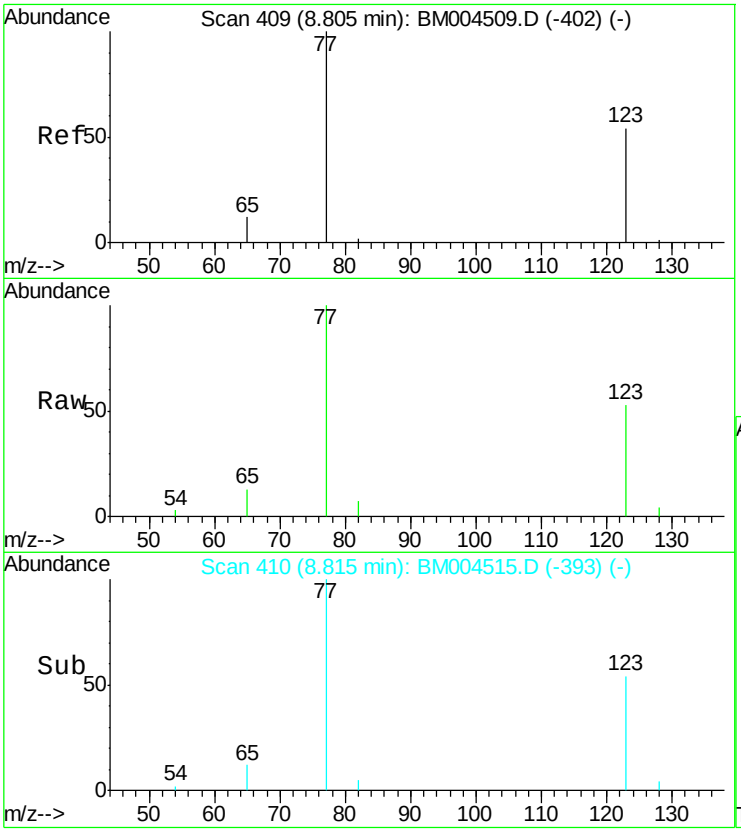


#8
Nitrobenzene-d5
Concen: 3.83 ng
RT: 8.77 min Scan# 406
Delta R.T. -0.02 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Tgt Ion: 82 Resp: 16032

Ion	Ratio	Lower	Upper
82	100		
128	51.6	41.9	62.9
54	39.9	34.2	51.2



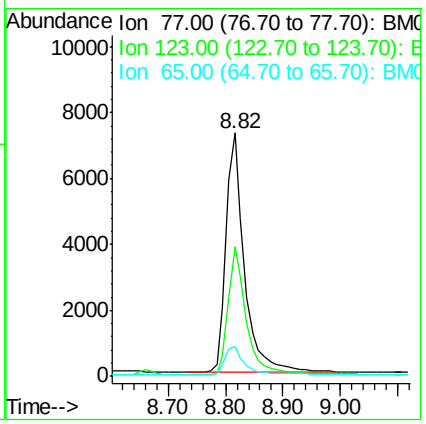


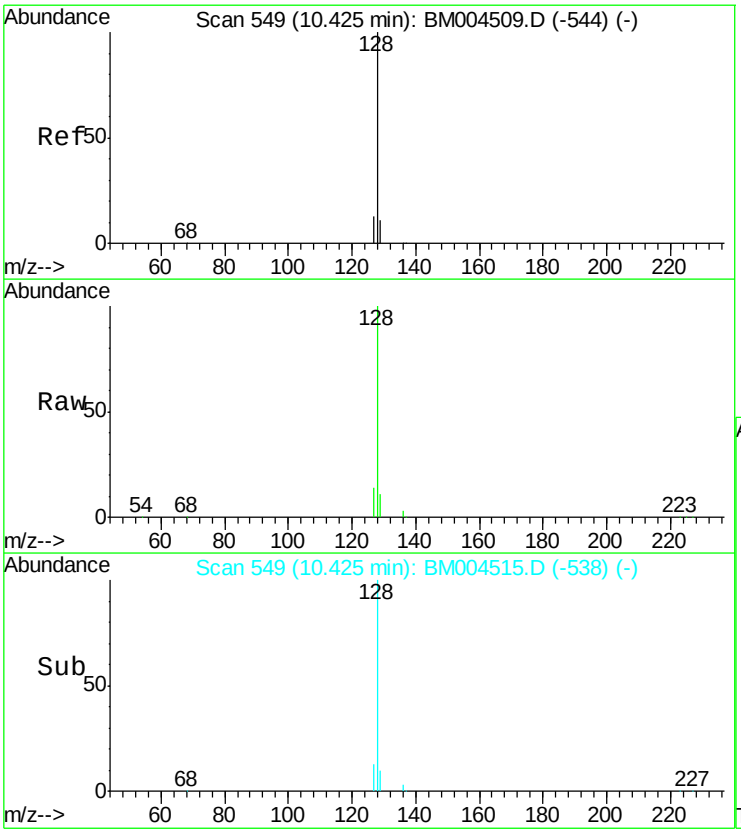
#9
Nitrobenzene
Concen: 3.42 ng
RT: 8.82 min Scan# 410
Delta R.T. -0.02 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Tgt Ion: 77 Resp: 16299

Ion	Ratio	Lower	Upper
77	100		
123	53.2	42.5	63.7
65	12.4	10.0	15.0

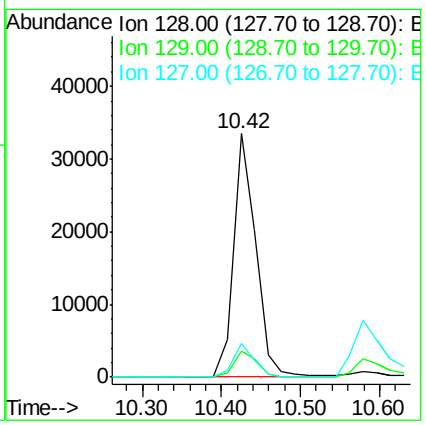


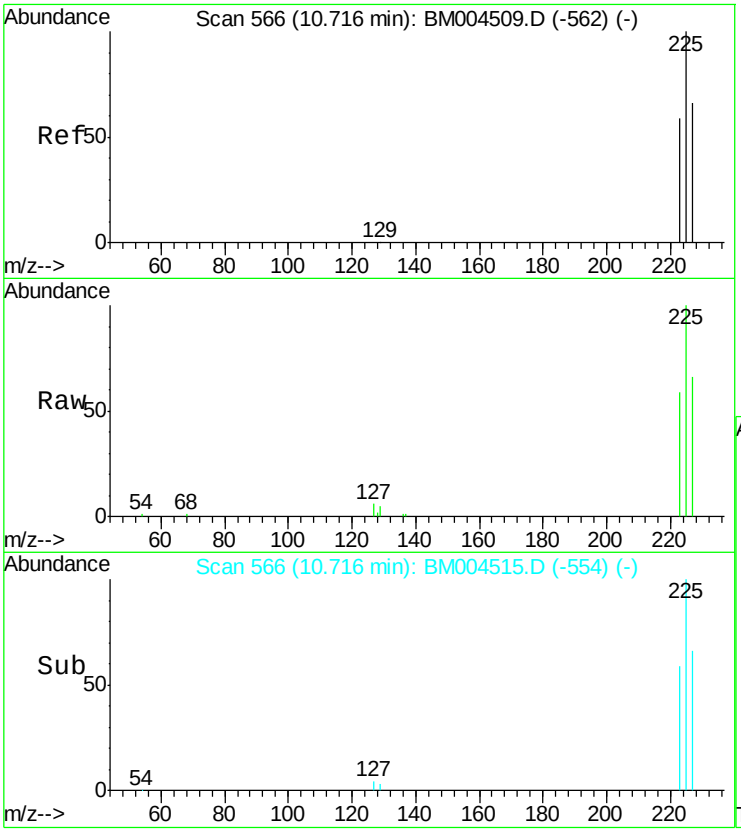


#10
Naphthalene
Concen: 3.50 ng
RT: 10.42 min Scan# 549
Delta R.T. -0.02 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Tgt Ion:128 Resp: 65414

Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.8	14.6
127	13.6	9.9	14.9



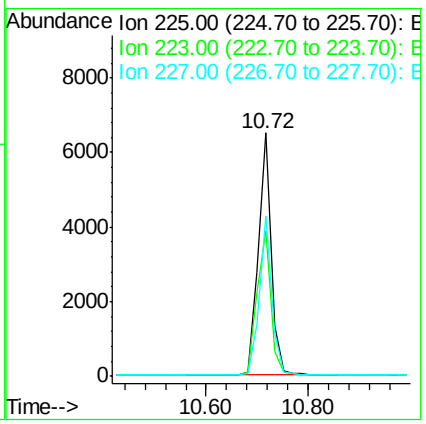


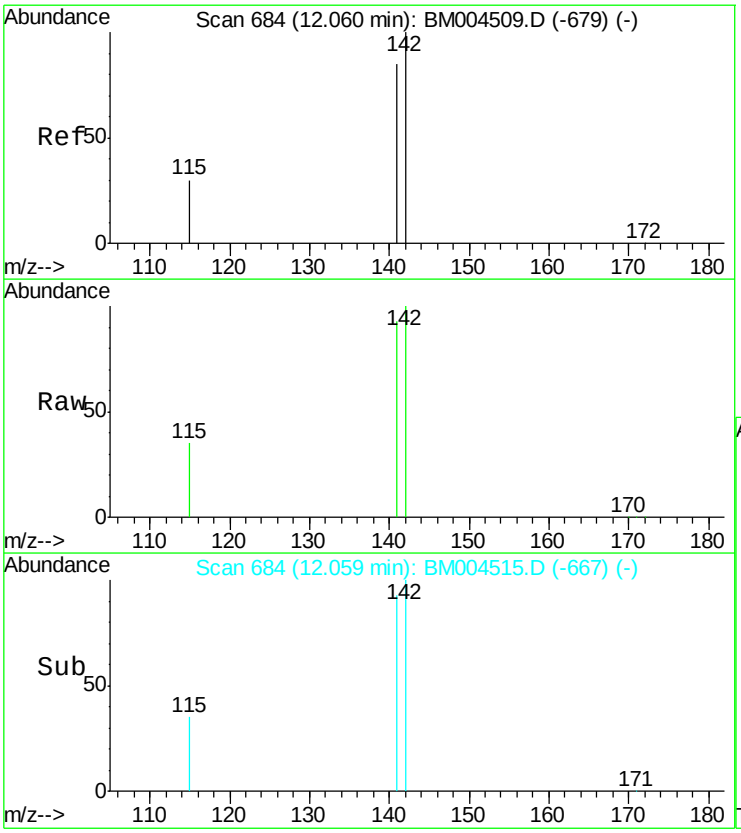
#11
Hexachlorobutadiene
Concen: 3.44 ng
RT: 10.72 min Scan# 566
Delta R.T. -0.00 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Tgt Ion:225 Resp: 11086

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.7	76.1
227	63.5	51.1	76.7

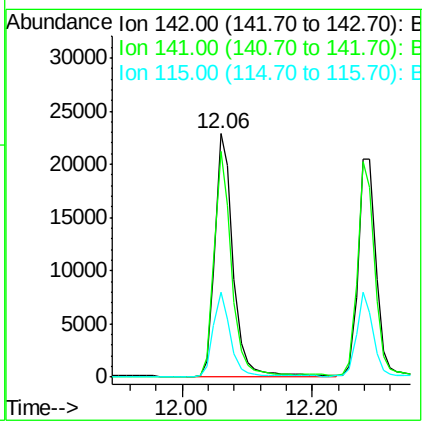


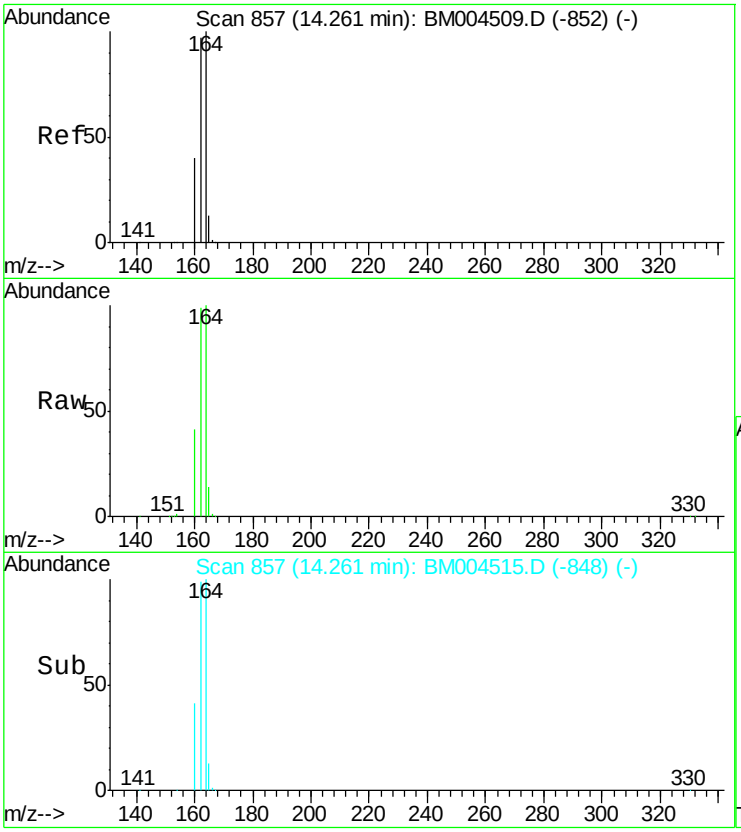


#12
2-Methylnaphthalene
Concen: 3.89 ng
RT: 12.06 min Scan# 684
Delta R.T. -0.02 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Tgt Ion:142 Resp: 43836

Ion	Ratio	Lower	Upper
142	100		
141	92.8	68.5	102.7
115	34.7	24.6	36.8



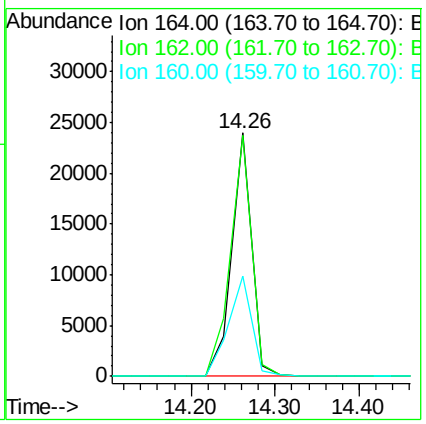


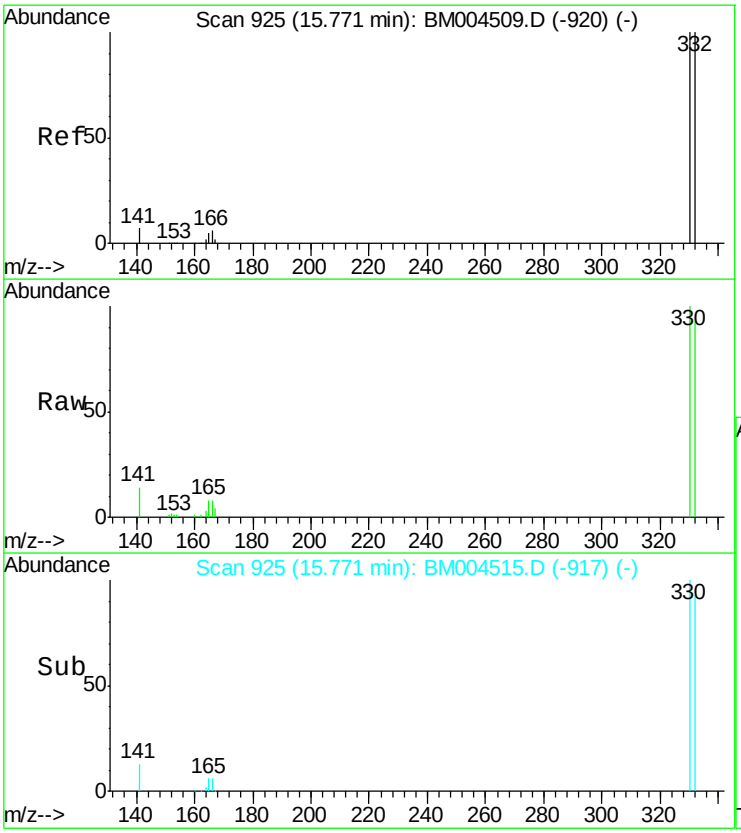
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.26 min Scan# 857
Delta R.T. -0.00 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Tgt Ion:164 Resp: 38678

Ion	Ratio	Lower	Upper
164	100		
162	99.0	81.6	122.4
160	41.3	34.9	52.3

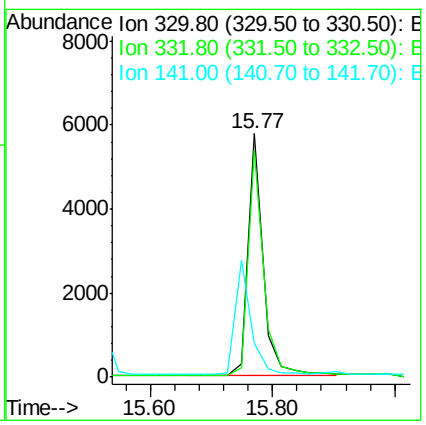


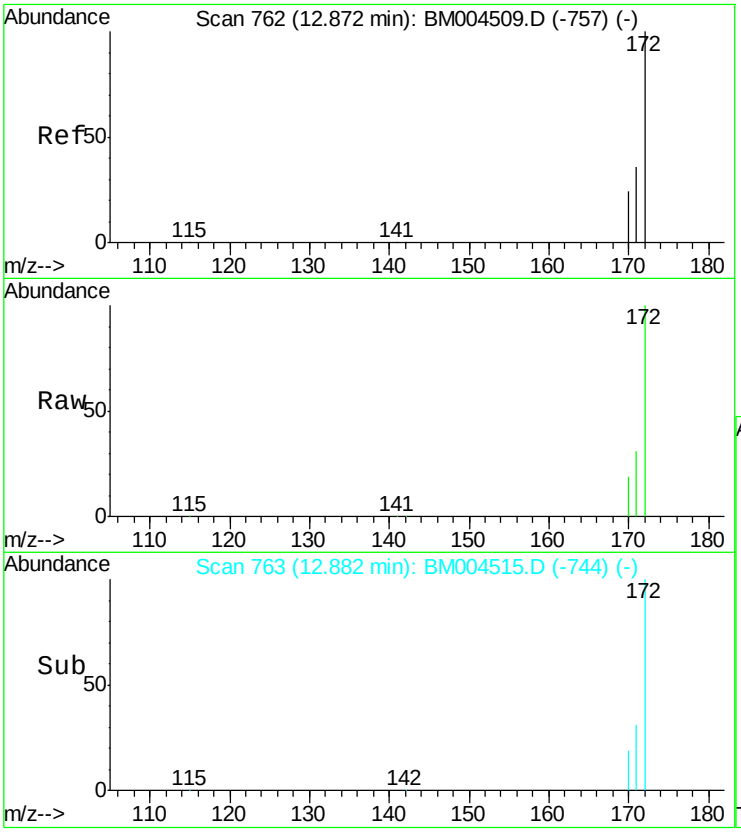


#14
2,4,6-Tribromophenol
Concen: 6.96 ng
RT: 15.77 min Scan# 925
Delta R.T. -0.02 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Tgt Ion:330 Resp: 9855

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



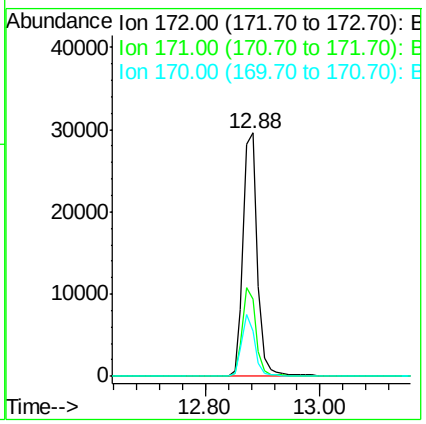


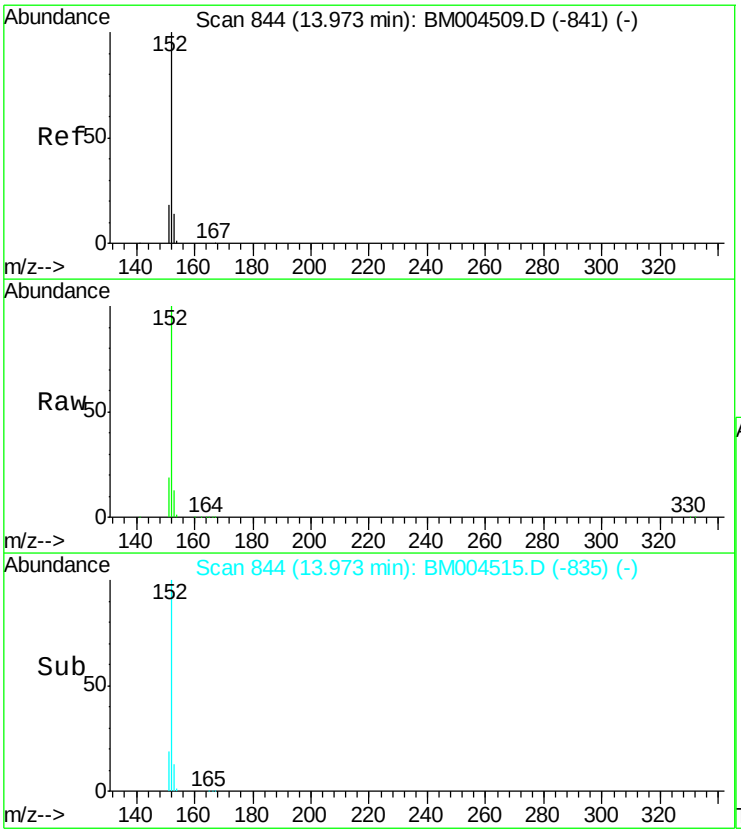
#15
2-Fluorobiphenyl
Concen: 4.26 ng
RT: 12.88 min Scan# 763
Delta R.T. -0.00 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Tgt Ion:172 Resp: 51228

Ion	Ratio	Lower	Upper
172	100		
171	31.5	29.5	44.3
170	18.8	20.2	30.2#

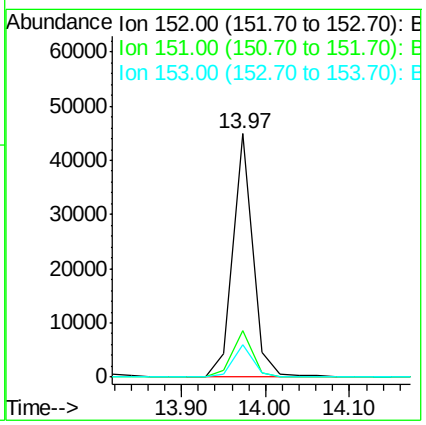


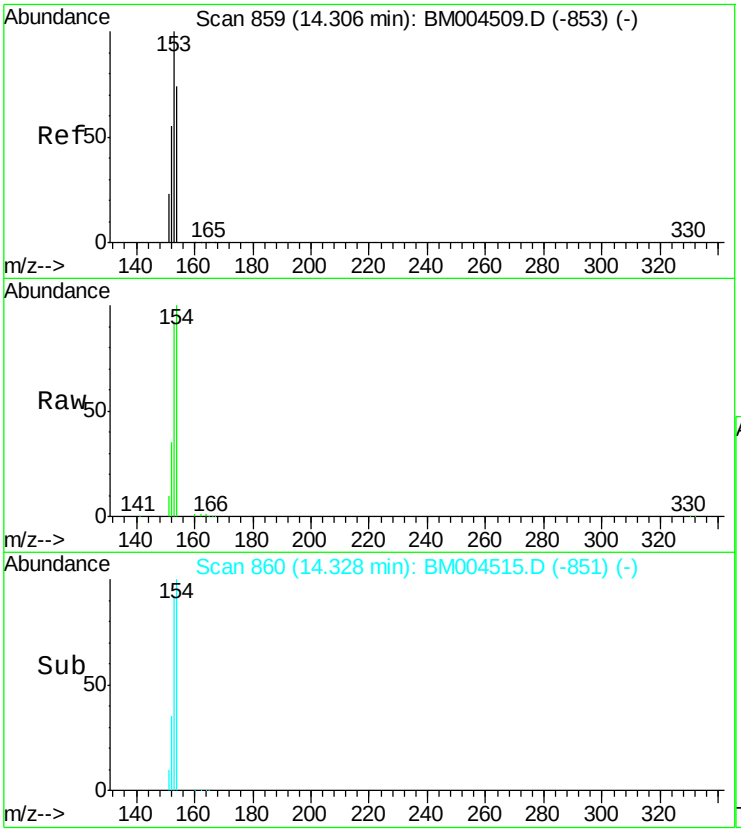


#16
Acenaphthylene
Concen: 3.74 ng
RT: 13.97 min Scan# 844
Delta R.T. -0.00 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Tgt Ion:152 Resp: 72437

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.6
153	13.1	10.2	15.4



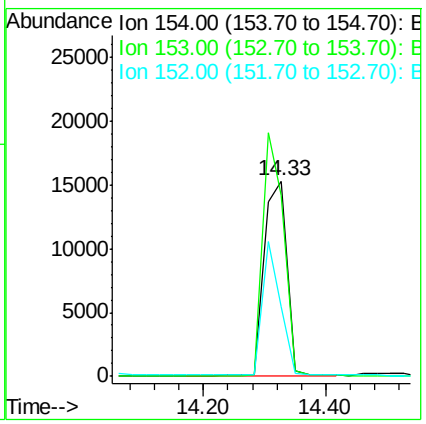


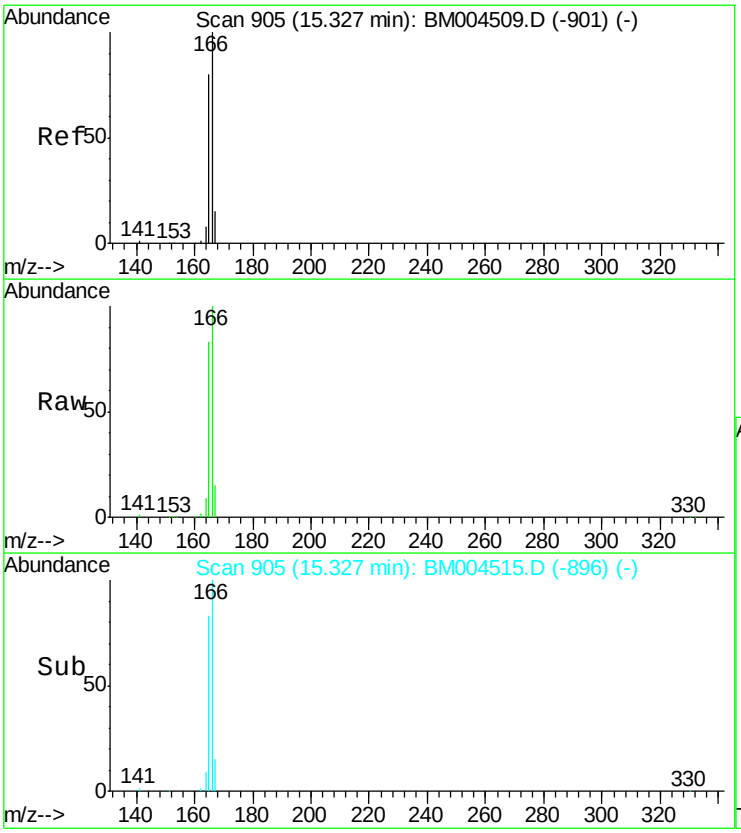
#17
Acenaphthene
Concen: 3.75 ng
RT: 14.33 min Scan# 860
Delta R.T. -0.00 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Tgt Ion:154 Resp: 39358

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

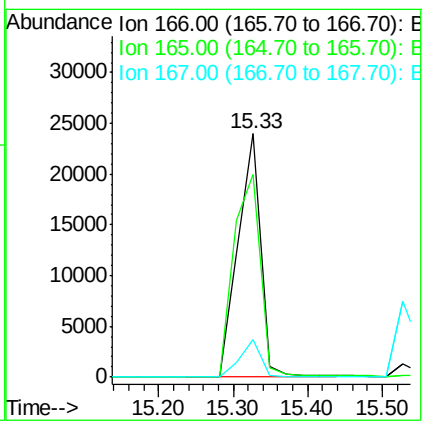


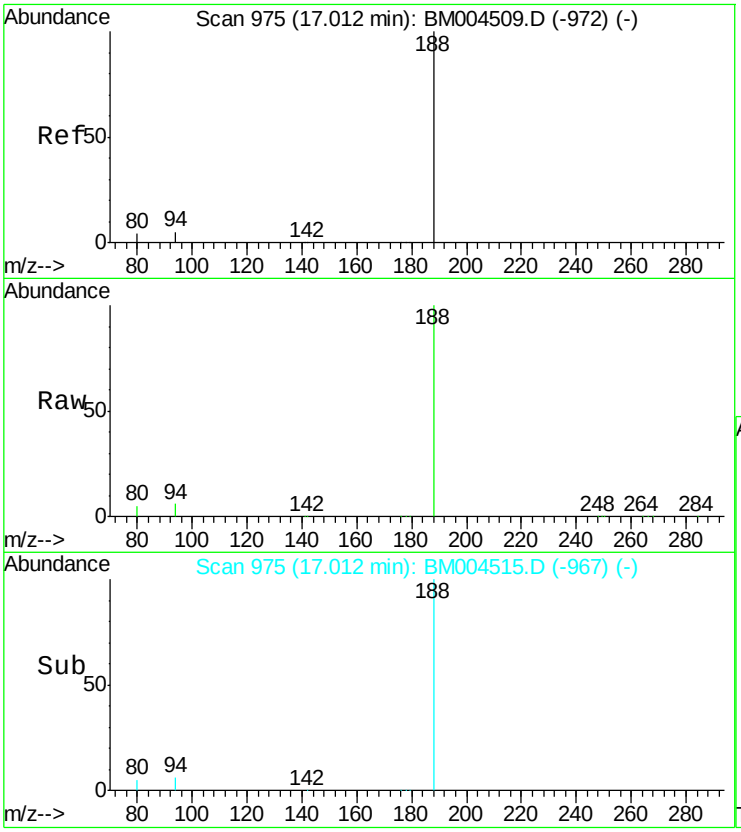


#18
Fluorene
Concen: 3.88 ng
RT: 15.33 min Scan# 905
Delta R.T. -0.00 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Tgt Ion:166 Resp: 50143

Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.8	116.6
167	13.7	10.8	16.2



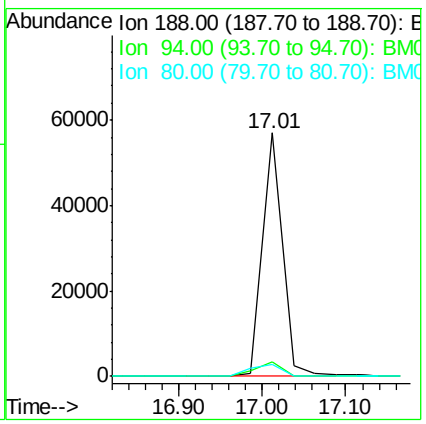


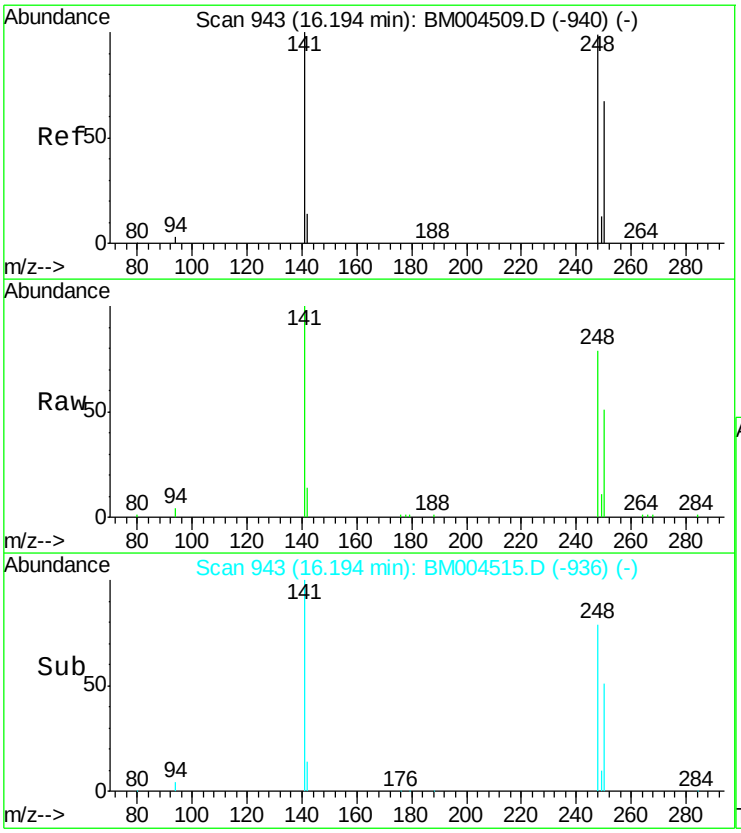
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.01 min Scan# 975
Delta R.T. -0.00 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Tgt Ion:188 Resp: 93788

Ion	Ratio	Lower	Upper
188	100		
94	5.8	6.3	9.5#
80	5.0	5.9	8.9#

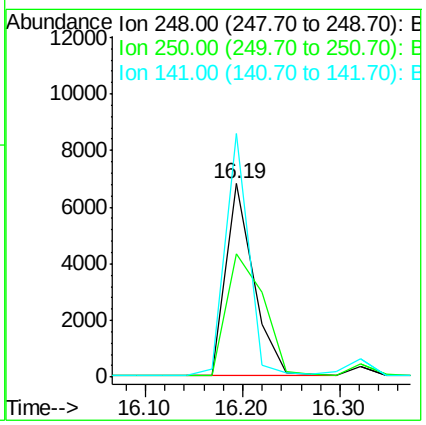


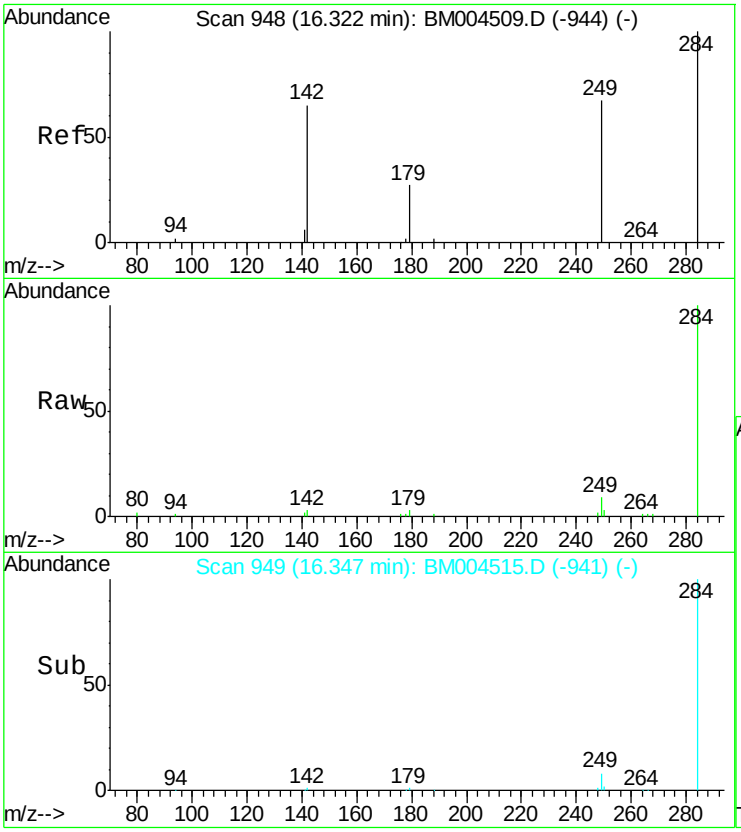


#20
4-Bromophenyl-phenylether
Concen: 3.58 ng
RT: 16.19 min Scan# 943
Delta R.T. -0.03 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Tgt Ion:248 Resp: 13496

Ion	Ratio	Lower	Upper
248	100		
250	85.2	85.8	128.8#
141	104.6	0.0	0.0#



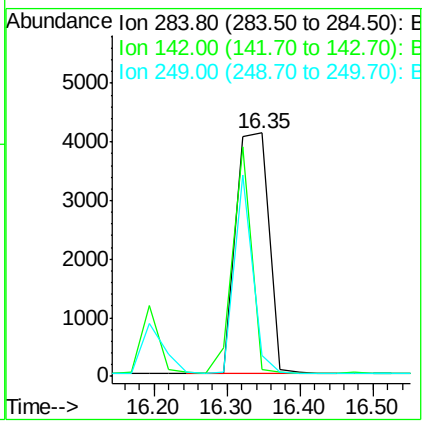


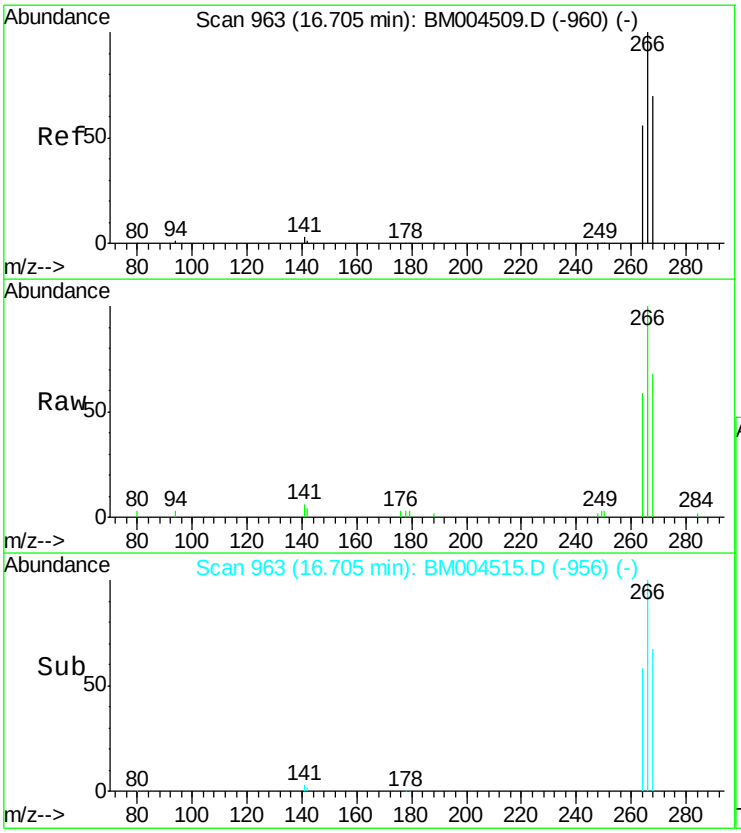
#21
Hexachlorobenzene
Concen: 3.73 ng
RT: 16.35 min Scan# 949
Delta R.T. 0.00 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Tgt Ion:284 Resp: 12658

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

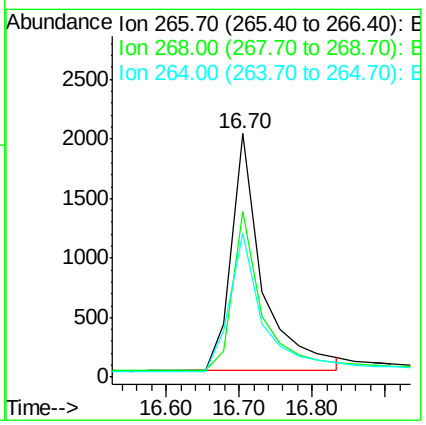


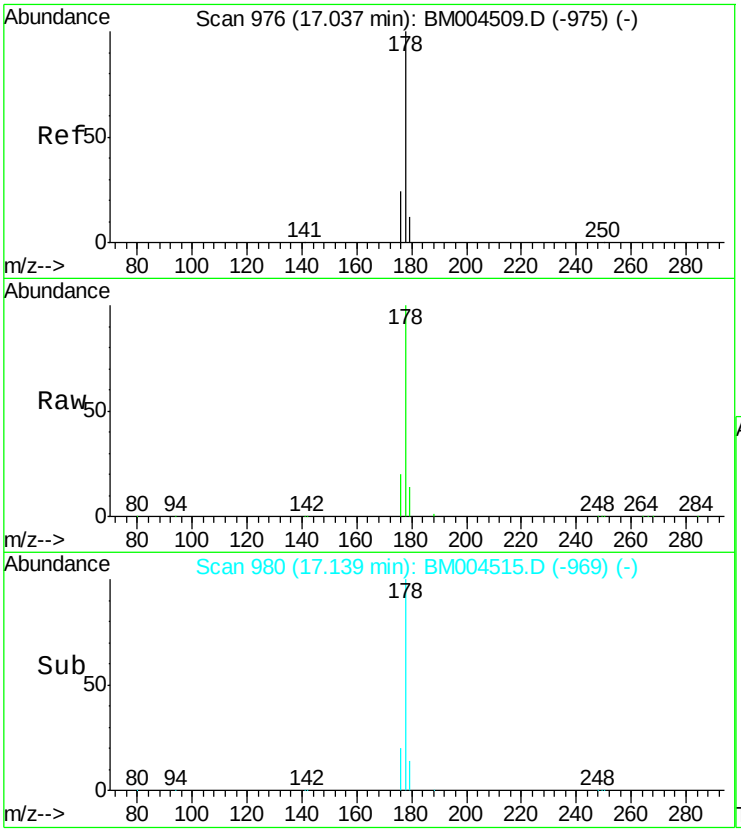


#22
Pentachlorophenol
Concen: 7.00 ng
RT: 16.70 min Scan# 963
Delta R.T. -0.03 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Tgt Ion:266 Resp: 5918

Ion	Ratio	Lower	Upper
266	100		
268	68.1	63.0	94.6
264	59.0	59.6	89.4#



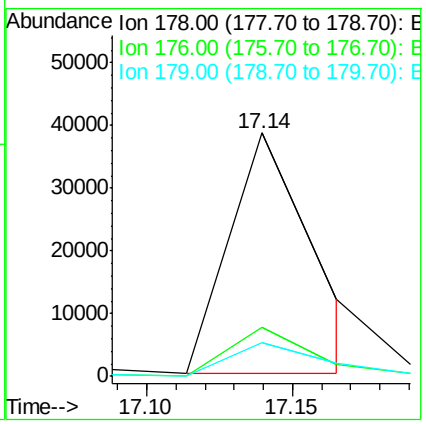


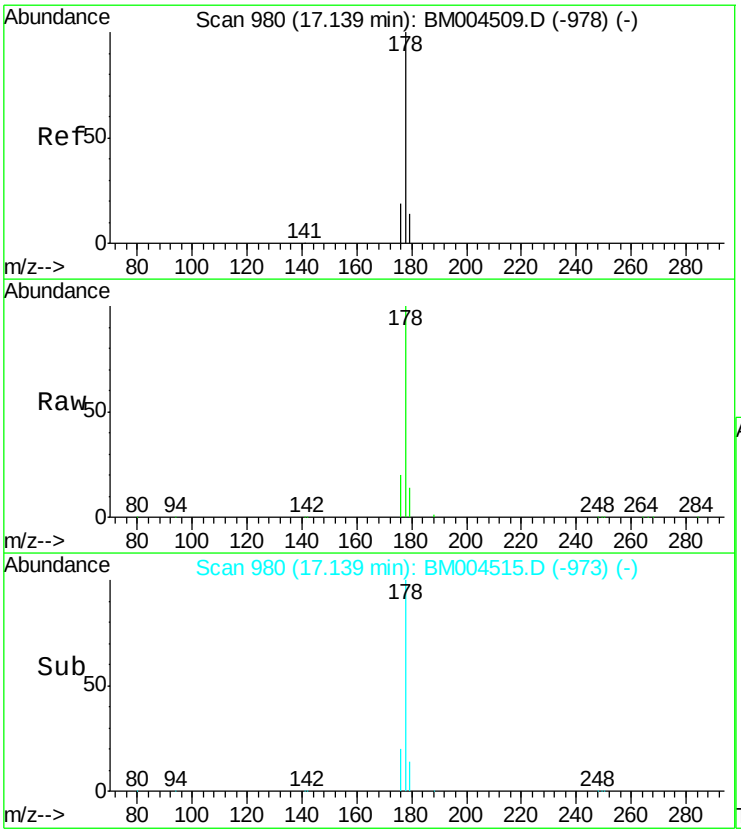
#23
Phenanthrene
Concen: 4.16 ng
RT: 17.14 min Scan# 980
Delta R.T. 0.08 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Tgt Ion:178 Resp: 76833

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	14.5	12.8	19.2

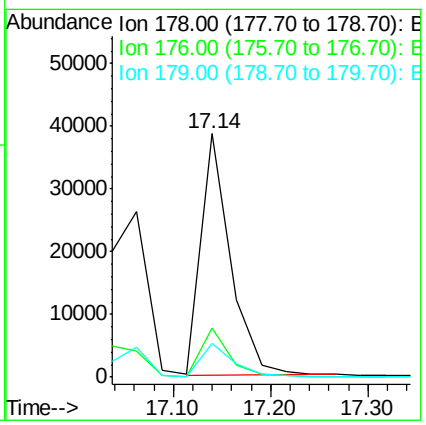


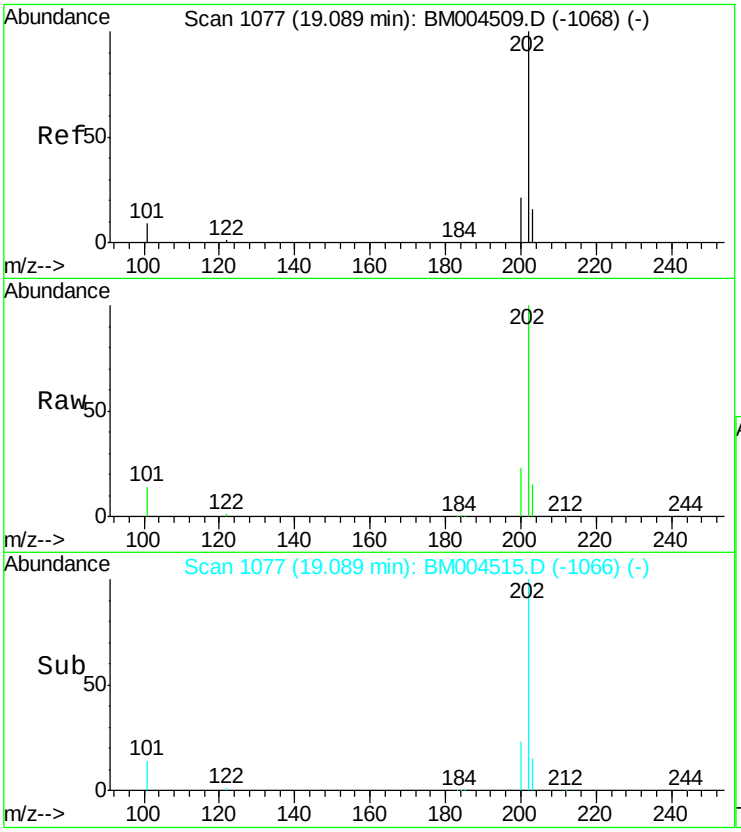


#24
Anthracene
Concen: 3.63 ng
RT: 17.14 min Scan# 980
Delta R.T. -0.03 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Tgt Ion:178 Resp: 81446

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	14.5	12.2	18.4



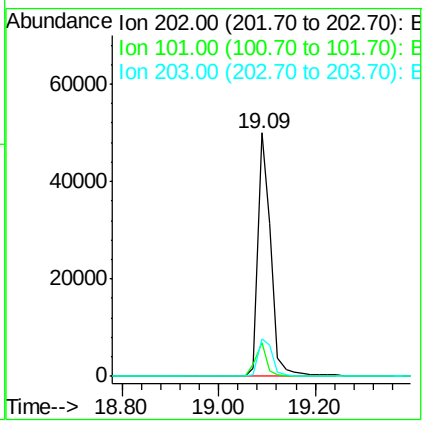


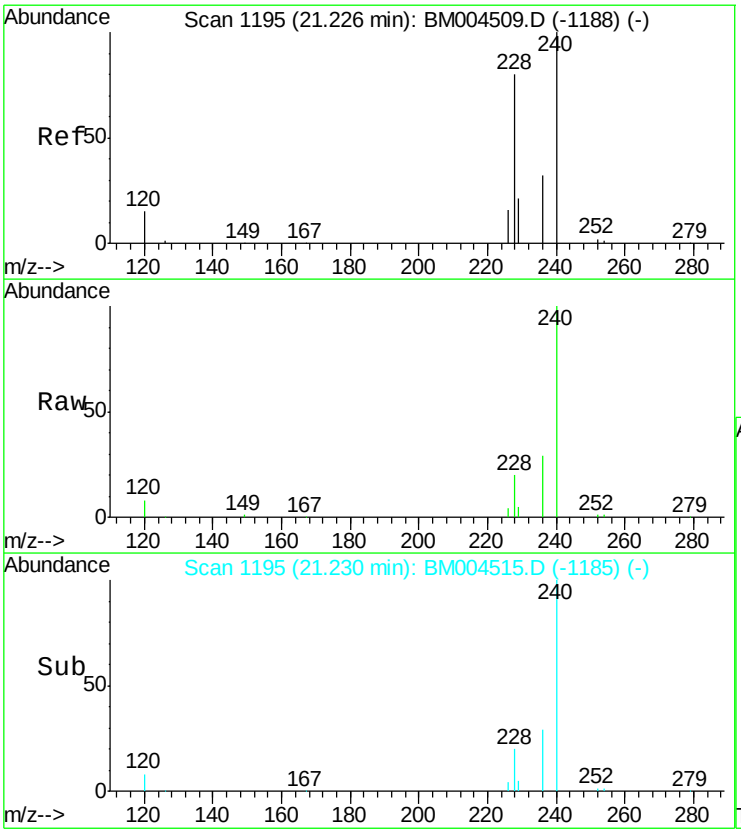
#25
Fluoranthene
Concen: 3.87 ng
RT: 19.09 min Scan# 1077
Delta R.T. -0.02 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Tgt Ion:202 Resp: 93379

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.8	14.8
203	17.4	13.8	20.8

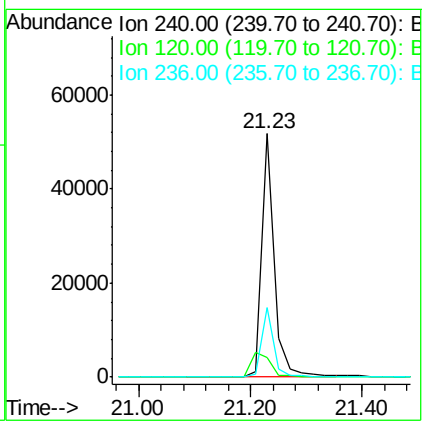


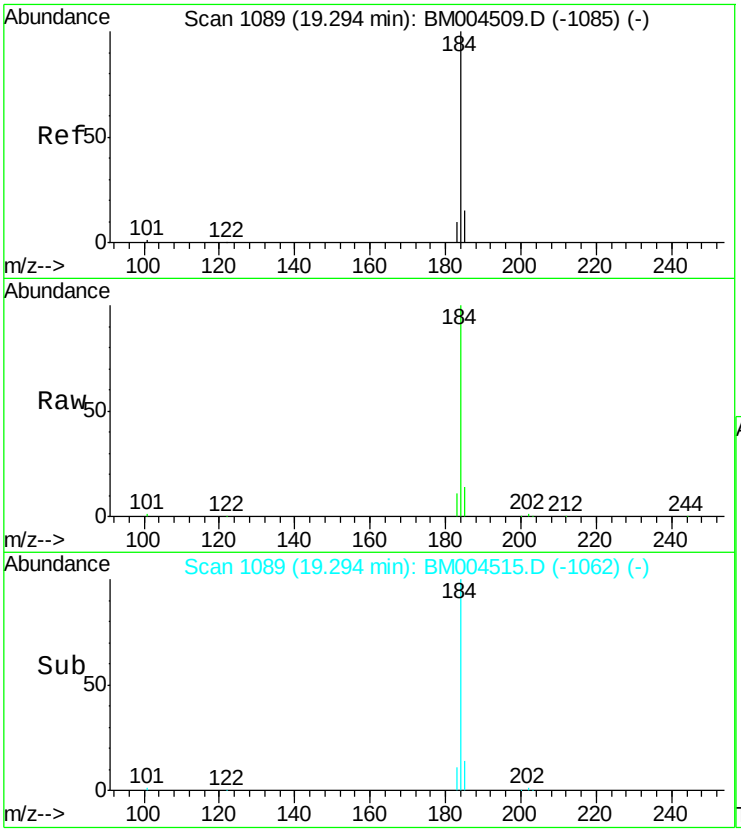


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.23 min Scan# 1195
Delta R.T. 0.00 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Tgt Ion:240 Resp: 79280

Ion	Ratio	Lower	Upper
240	100		
120	8.3	18.9	28.3#
236	28.6	26.4	39.6



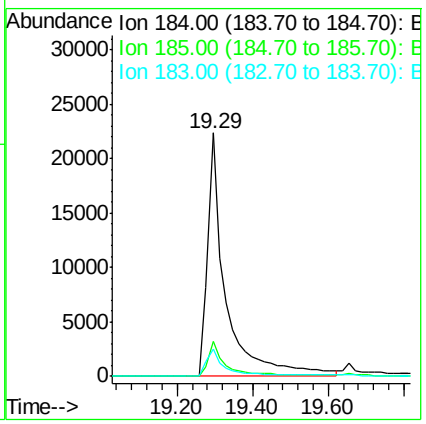


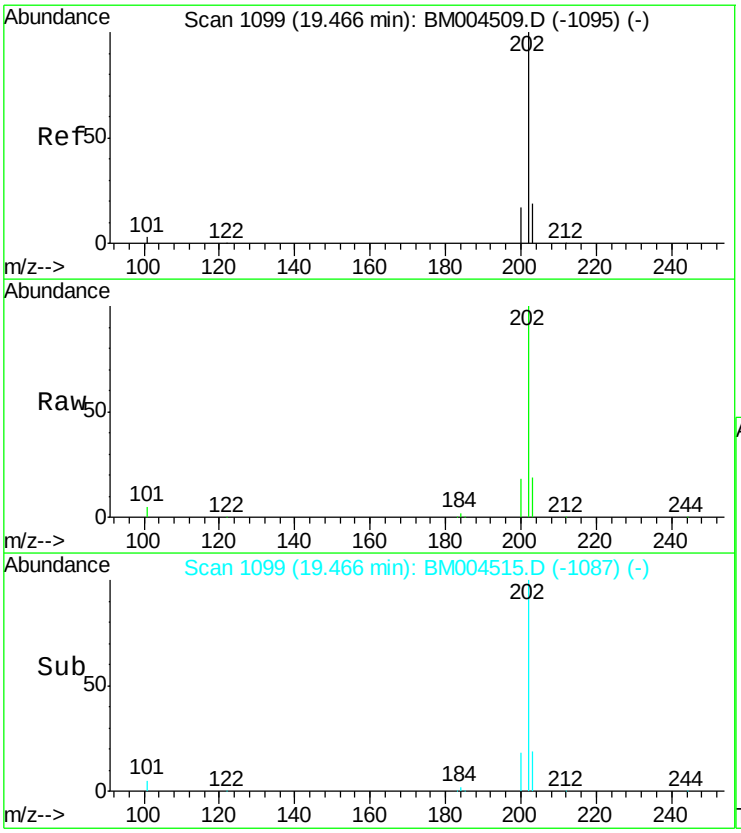
#27
Benzidine
Concen: 6.90 ng
RT: 19.29 min Scan# 1089
Delta R.T. -0.03 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Tgt Ion:184 Resp: 71485

Ion	Ratio	Lower	Upper
184	100		
185	14.4	15.0	22.4#
183	11.1	12.6	19.0#

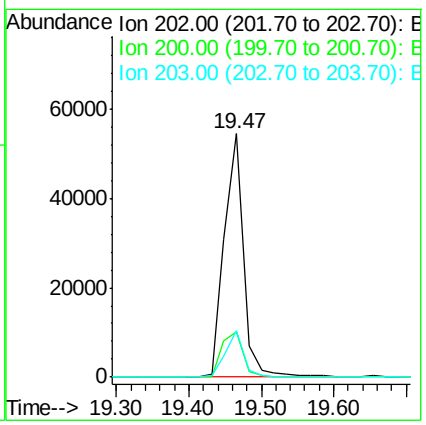


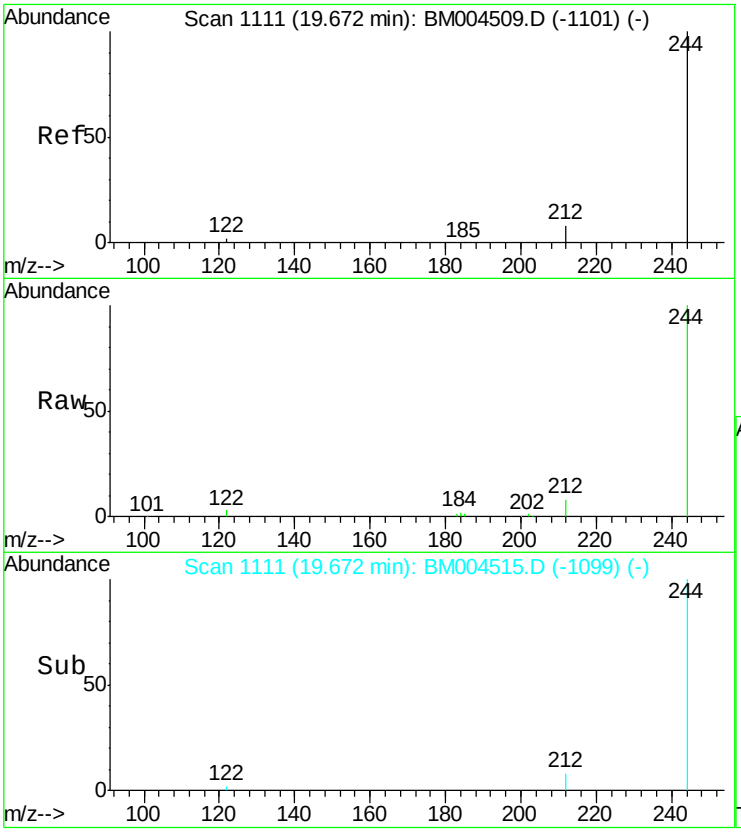


#28
Pyrene
Concen: 3.66 ng
RT: 19.47 min Scan# 1099
Delta R.T. -0.00 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Tgt Ion:202 Resp: 98373

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	17.9	13.7	20.5



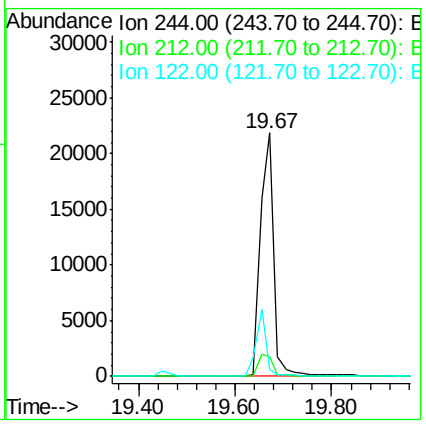


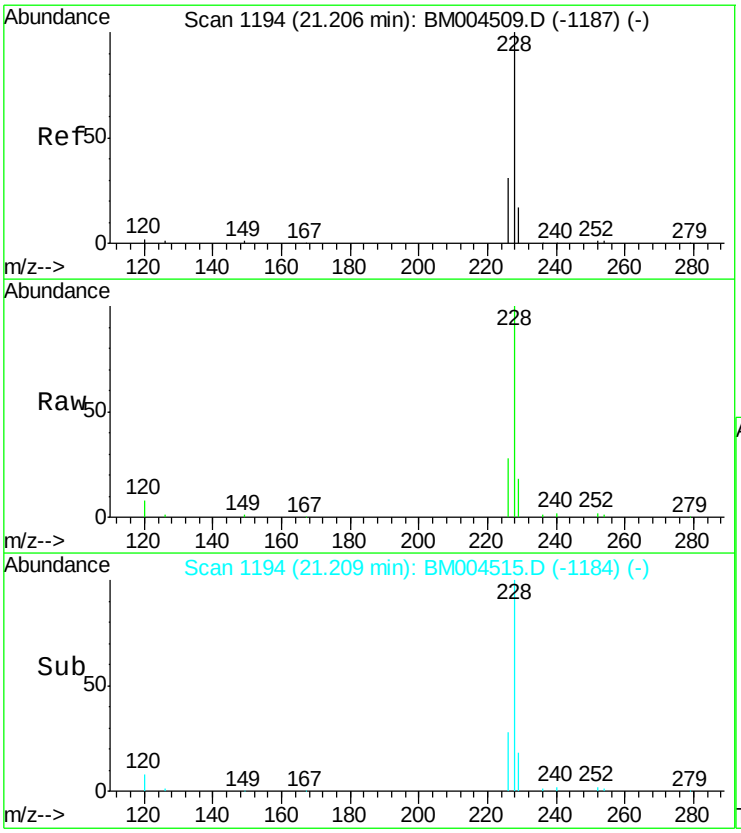
#29
Terphenyl-d14
Concen: 3.56 ng
RT: 19.67 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Tgt Ion:244 Resp: 42254

Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.8	11.6
122	3.0	7.0	10.4#

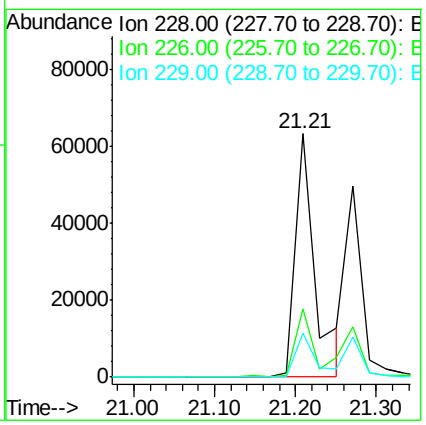


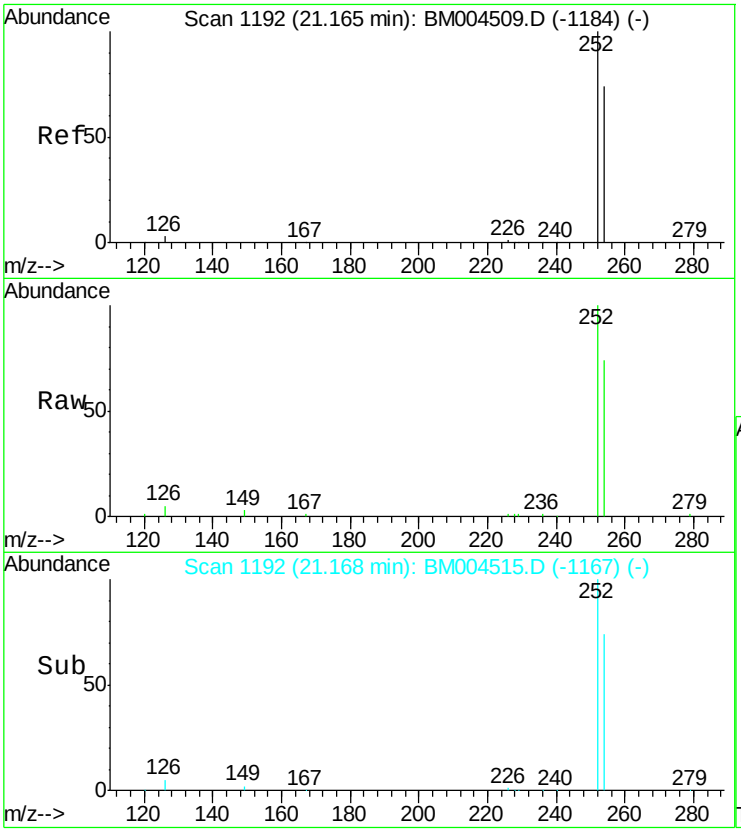


#30
Benzo(a)anthracene
Concen: 4.37 ng
RT: 21.21 min Scan# 1194
Delta R.T. 0.00 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Tgt Ion:228 Resp: 107190

Ion	Ratio	Lower	Upper
228	100		
226	28.1	27.0	40.4
229	18.1	13.1	19.7



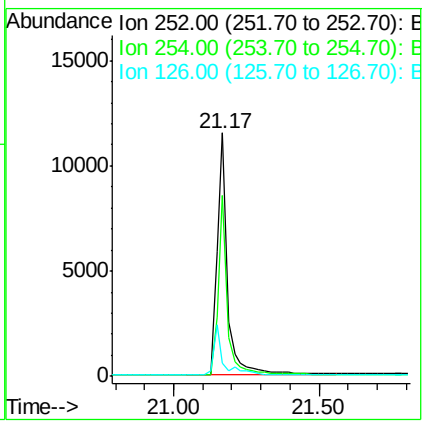


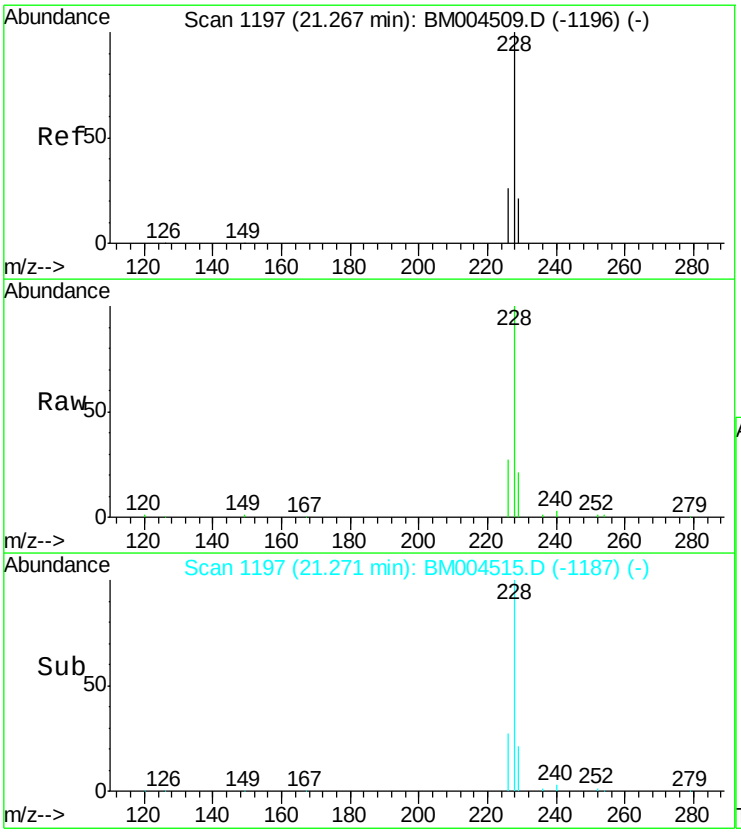
#31
3,3'-Dichlorobenzidine
Concen: 3.83 ng
RT: 21.17 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Tgt Ion:252 Resp: 29063

Ion	Ratio	Lower	Upper
252	100		
254	74.2	47.4	71.0#
126	5.4	11.0	16.6#

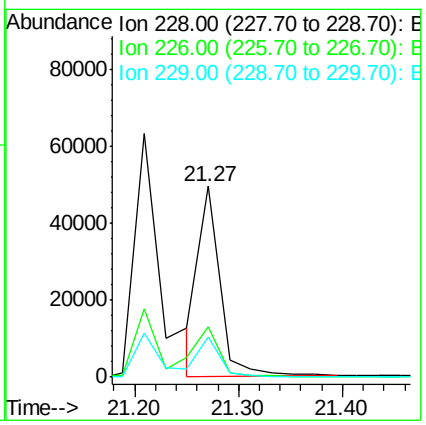


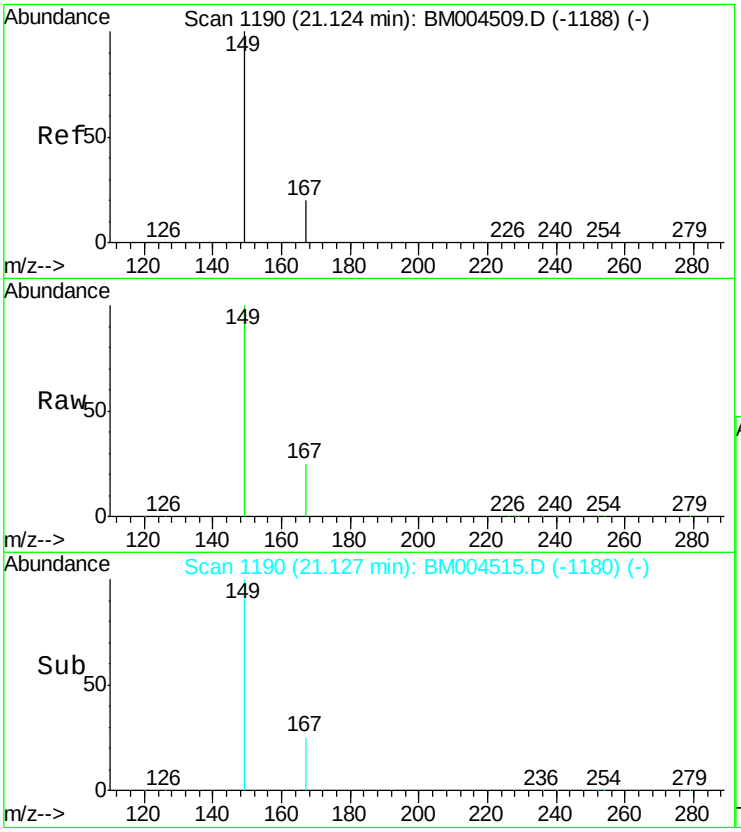


#32
Chrysene
Concen: 2.96 ng
RT: 21.27 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Tgt Ion:228 Resp: 69480

Ion	Ratio	Lower	Upper
228	100		
226	26.6	24.6	37.0
229	21.2	15.2	22.8



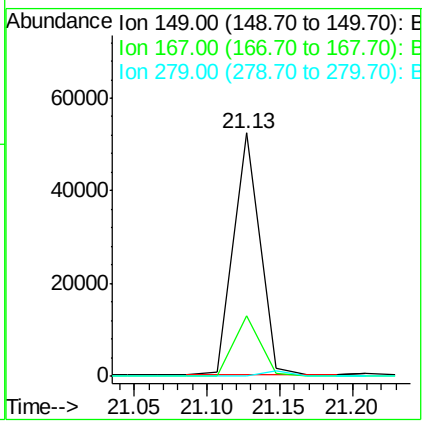


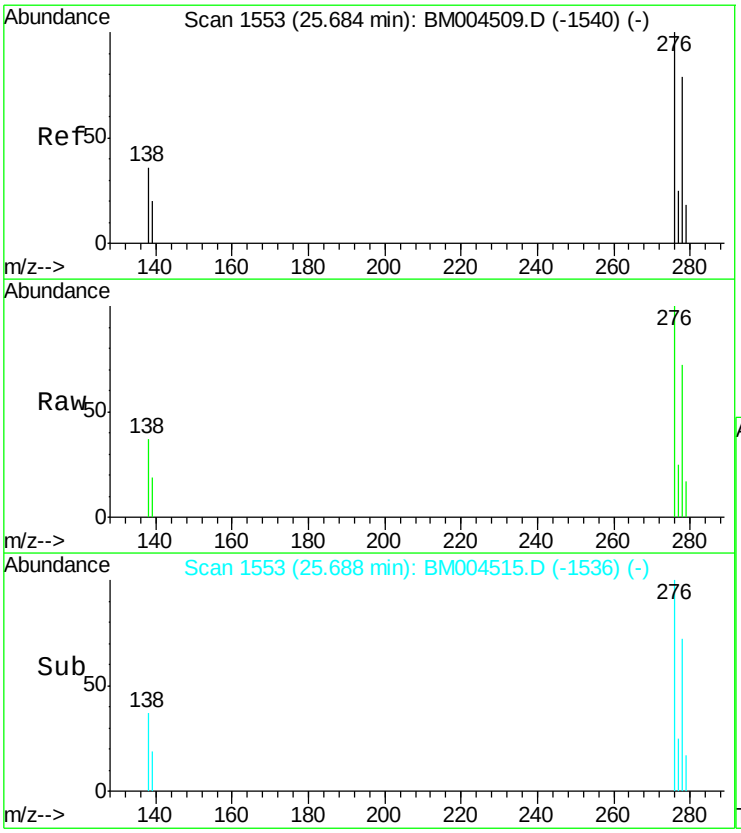
#33
Bis(2-ethylhexyl)phthalate
Concen: 4.19 ng
RT: 21.13 min Scan# 1190
Delta R.T. 0.00 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Tgt Ion:149 Resp: 67123

Ion	Ratio	Lower	Upper
149	100		
167	25.3	20.2	30.4
279	0.0	0.0	0.0

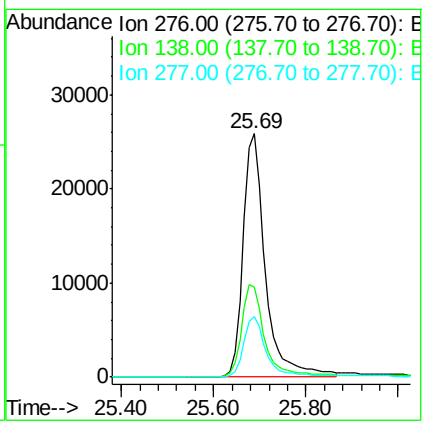


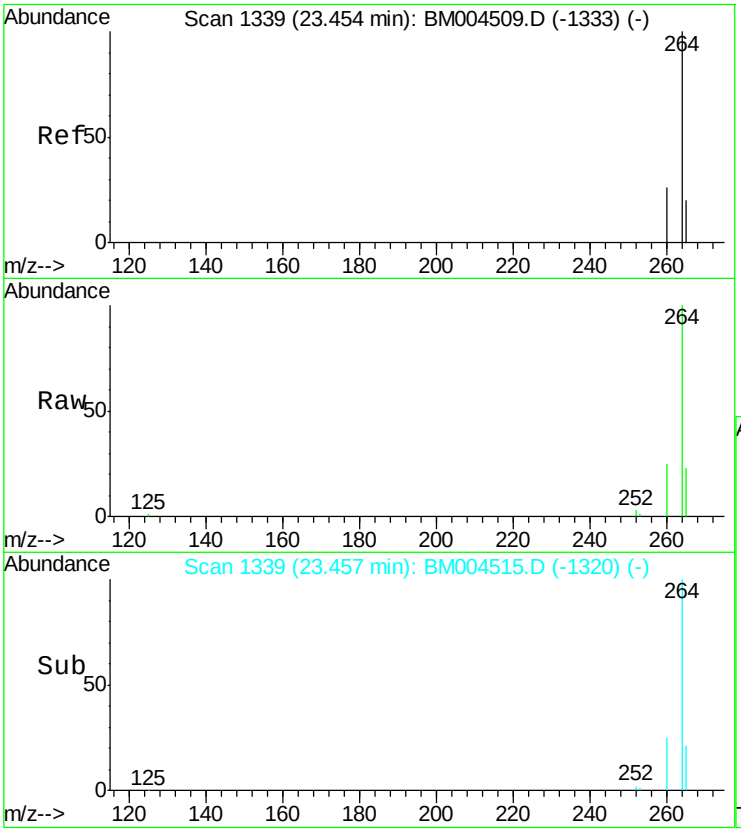


#34
Indeno(1,2,3-cd)pyrene
Concen: 3.71 ng
RT: 25.69 min Scan# 1553
Delta R.T. -0.02 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Tgt Ion:276 Resp: 86115

Ion	Ratio	Lower	Upper
276	100		
138	39.1	31.0	46.4
277	24.9	19.9	29.9



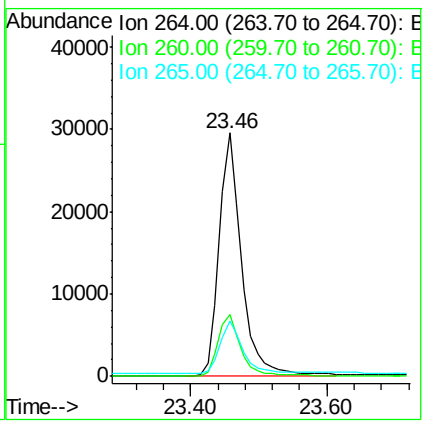


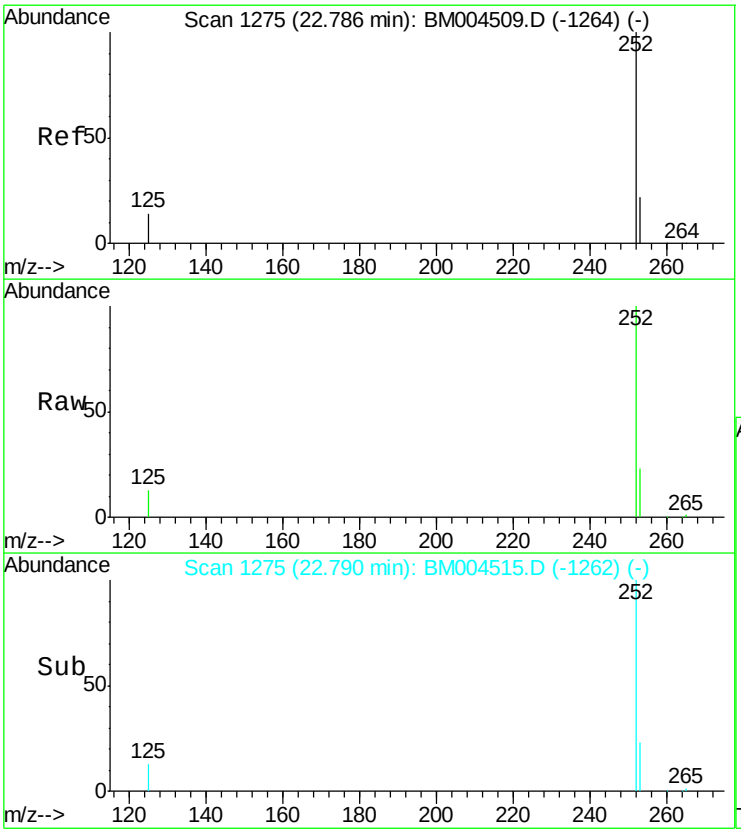
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.46 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Tgt Ion:264 Resp: 66843

Ion	Ratio	Lower	Upper
264	100		
260	25.2	21.2	31.8
265	22.5	17.4	26.0

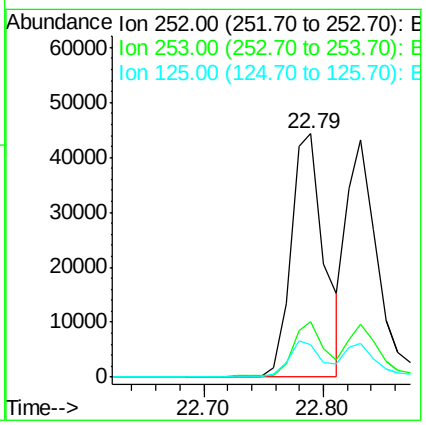


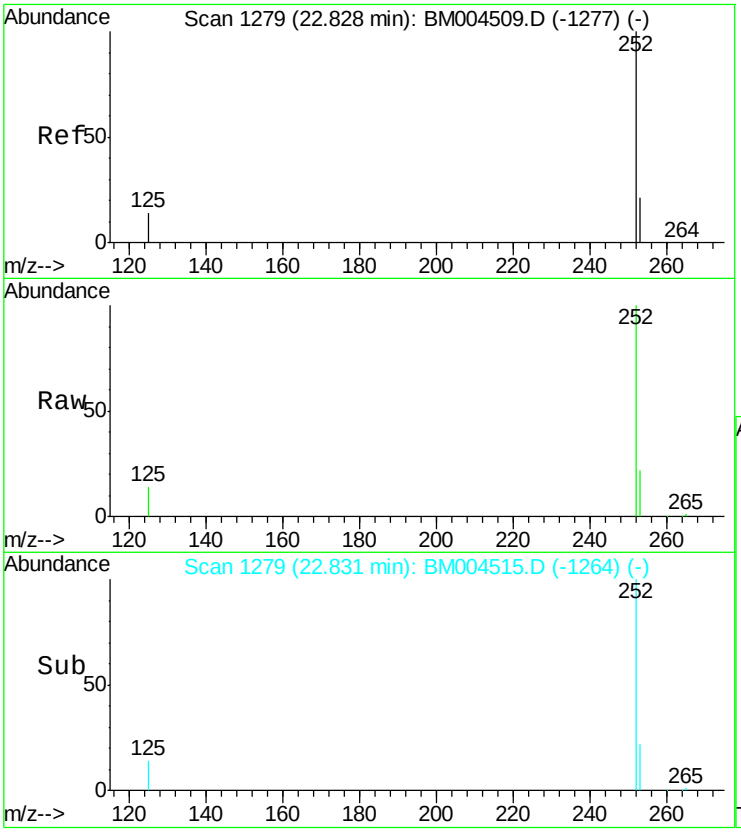


#36
Benzo(b)fluoranthene
Concen: 4.50 ng
RT: 22.79 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Tgt Ion:252 Resp: 92814

Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.0	28.4
125	13.3	11.7	17.5



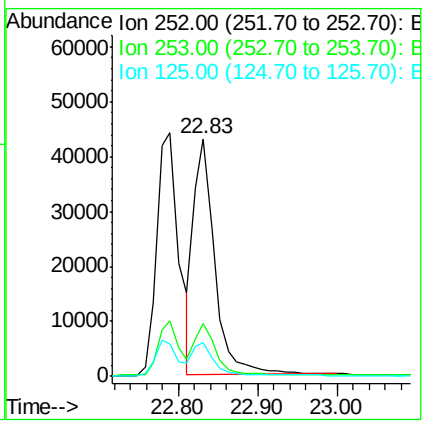


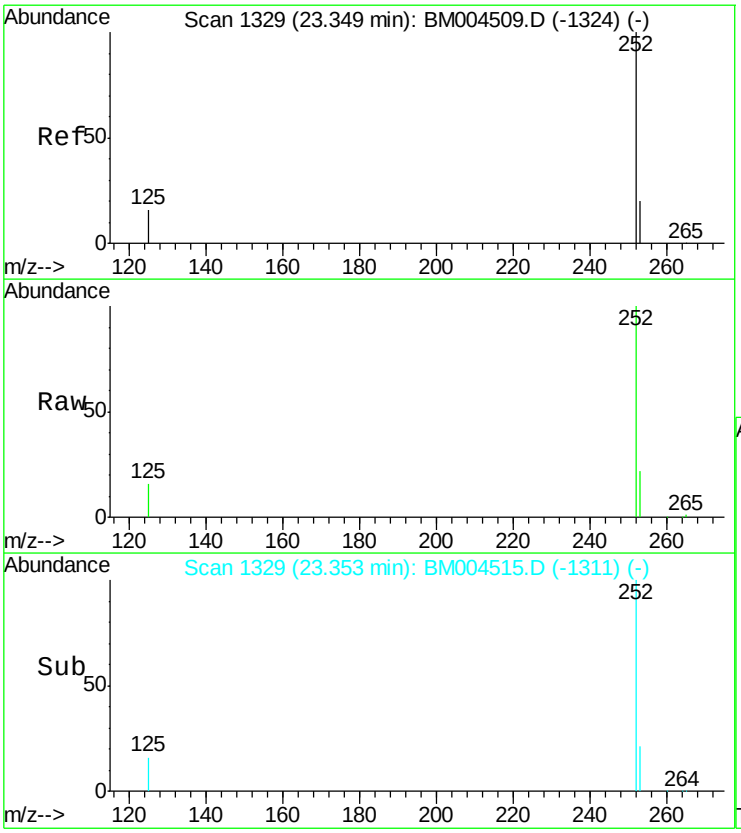
#37
Benzo(k)fluoranthene
Concen: 3.88 ng
RT: 22.83 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Tgt Ion:252 Resp: 79365

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.9	28.3
125	14.0	11.9	17.9

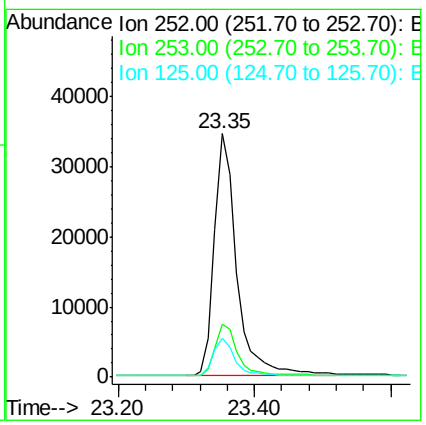


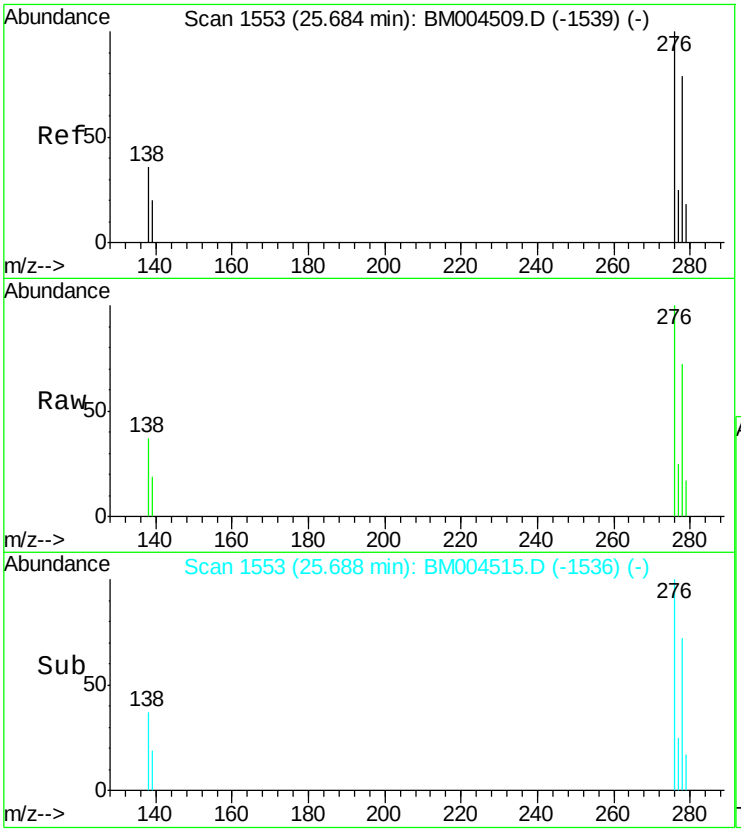


#38
Benzo(a)pyrene
Concen: 3.95 ng
RT: 23.35 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Tgt Ion:252 Resp: 78368

Ion	Ratio	Lower	Upper
252	100		
253	21.7	19.0	28.6
125	16.2	13.7	20.5



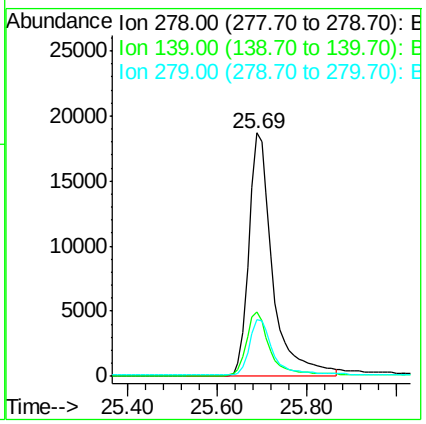


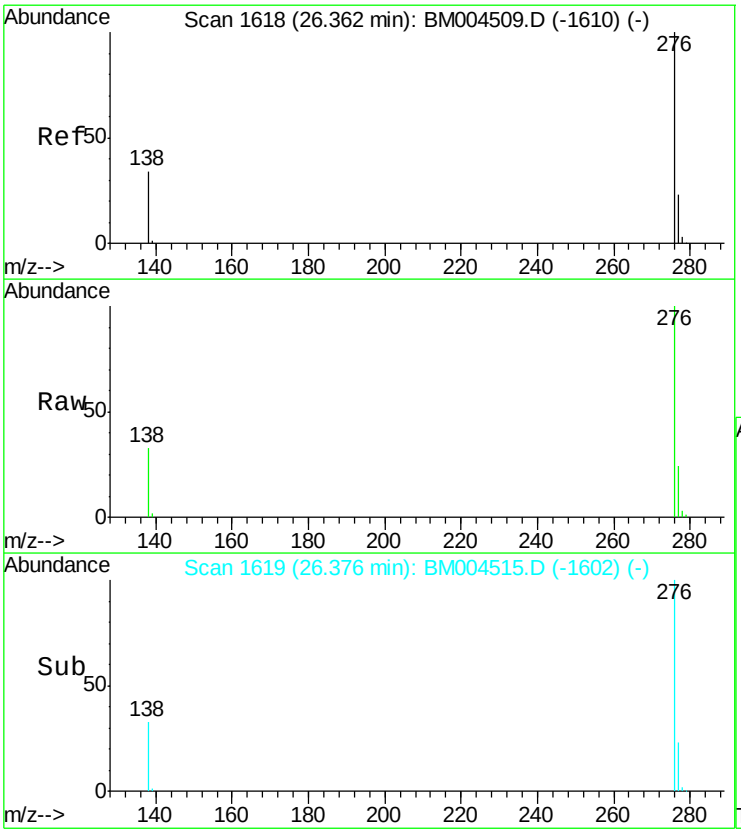
#39
Dibenzo(a,h)anthracene
Concen: 4.17 ng
RT: 25.69 min Scan# 1553
Delta R.T. -0.02 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Tgt Ion:278 Resp: 68388

Ion	Ratio	Lower	Upper
278	100		
139	26.6	22.6	33.8
279	23.3	20.1	30.1





#40
Benzo(g,h,i)perylene
Concen: 4.01 ng
RT: 26.38 min Scan# 1619
Delta R.T. -0.02 min
Lab File: BM004515.D
Acq: 02 Mar 2016 12:06

Tgt Ion:276 Resp: 74613

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.8	29.8
138	33.1	26.6	40.0