Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040315\
Data File : BM000821.D
Acq On : 02 Apr 2015 23:56
Operator : TP/IZ
Sample : MDL-01-S
Misc : MDL-SOIL-0.1/0.2
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MDL-01-S

Quant Time: Apr 03 18:31:59 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-BM040315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 03 18:16:53 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	28675	5.00	ng		0.00
11) Naphthalene-d8	10.39	136	132446	5.00	ng		0.00
19) Acenaphthene-d10	14.28	164	65881	5.00	ng		0.00
26) Phenanthrene-d10	17.00	188	139061	5.00	ng		0.00
30) Chrysene-d12	21.21	240	126600	5.00	ng		0.00
34) Perylene-d12	23.40	264	116159	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.21	112	99226	12.56	ng		0.00
5) Phenol-d6	6.77	99	163589	10.80	ng		0.00
12) Nitrobenzene-d5	8.77	82	46525	7.53	ng		0.00
20) 2,4,6-Tribromophenol	15.77	330	27486	9.84	ng		0.00
23) 2-Fluorobiphenyl	12.87	172	194054	9.56	ng		0.00
32) Terphenyl-d14	19.65	244	159325	10.46	ng		0.00
Target Compounds							Qvalue
6) 2-Chlorophenol	7.17	128	637	0.26	ng		74
7) Phenol	6.81	94	909	0.08	ng	#	60
8) bis(2-Chloroethyl)ether	7.02	93	560m	0.26	ng		
9) 2-Methylphenol	8.06	107	547	0.22	ng	#	75
10) 3+4-Methylphenols	8.38	107	566	0.17	ng	#	71
13) Nitrobenzene	8.80	77	701	0.10	ng	#	86
14) 2-Nitrophenol	9.52	139	196	0.19	ng	#	1
15) 2,4-Dimethylphenol	9.58	122	402	0.05	ng	#	71
16) 2,4-Dichlorophenol	10.07	162	368	0.26	ng		80
17) Hexachlorobutadiene	10.75	225	343	0.07	ng	#	85
18) 4-Chloro-3-methylphenol	11.69	107	408	0.06	ng	#	86
21) 2,4,6-Trichlorophenol	12.70	196	188	0.16	ng	#	59
22) 2,4,5-Trichlorophenol	12.79	196	245	0.10	ng	#	66
25) 4-Nitrophenol	14.54	139	46	0.25	ng	#	86
28) Hexachlorobenzene	16.33	284	588	0.14	ng	#	67
31) Benzidine	19.30	184	394	0.14	ng		96
33) 3,3'-Dichlorobenzidine	21.14	252	585	0.25	ng	#	72

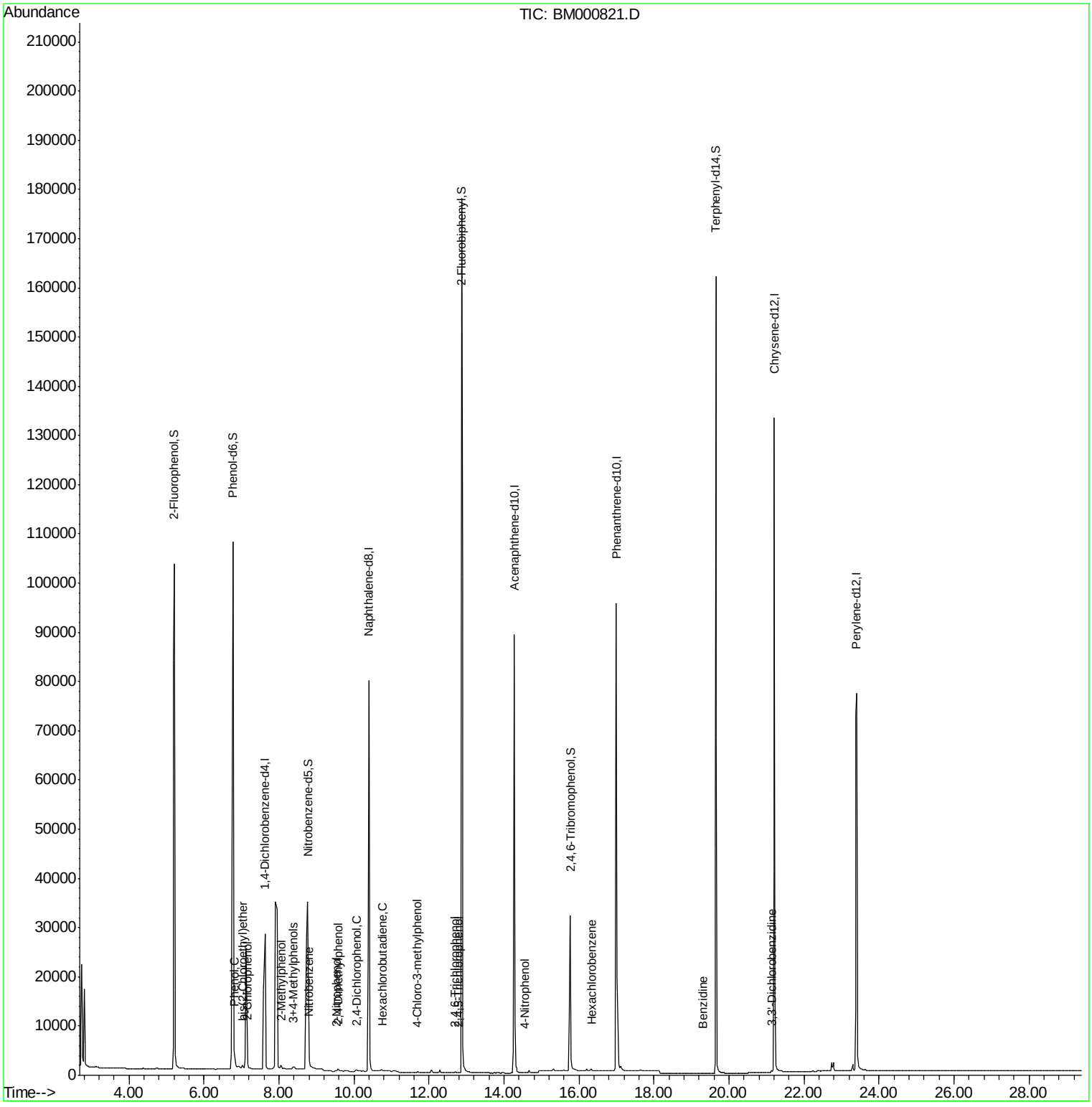
(#) = qualifier out of range (m) = manual integration (+) = signals summed

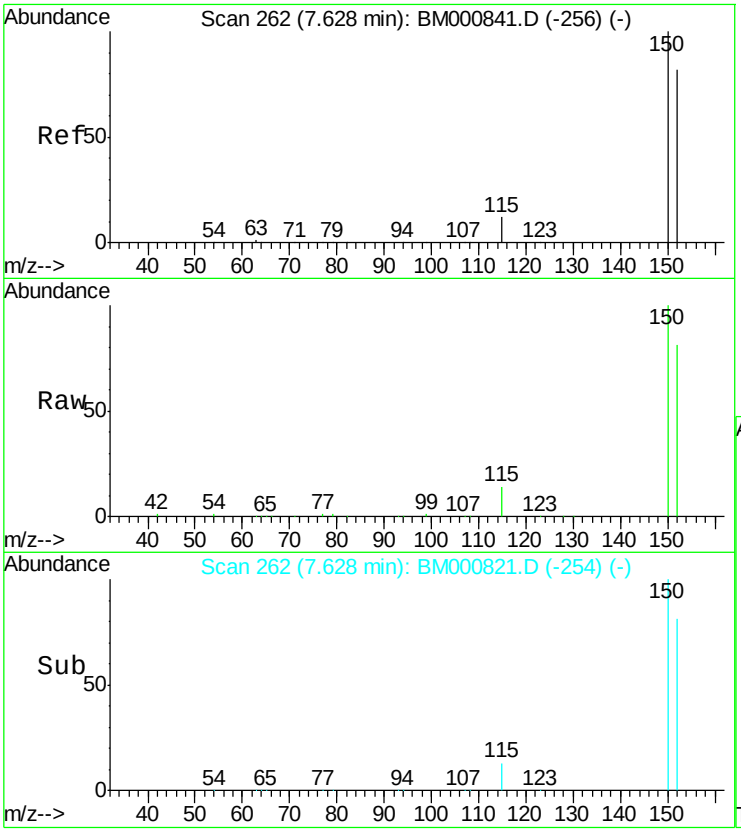
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040315\
Data File : BM000821.D
Acq On : 02 Apr 2015 23:56
Operator : TP/IZ
Sample : MDL-01-S
Misc : MDL-SOIL-0.1/0.2
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Quant Time: Apr 03 18:31:59 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-BM040315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 03 18:16:53 2015
Response via : Initial Calibration



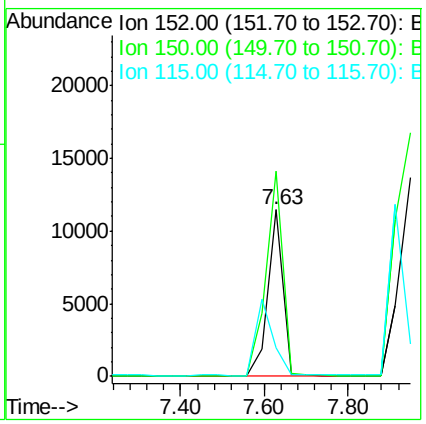


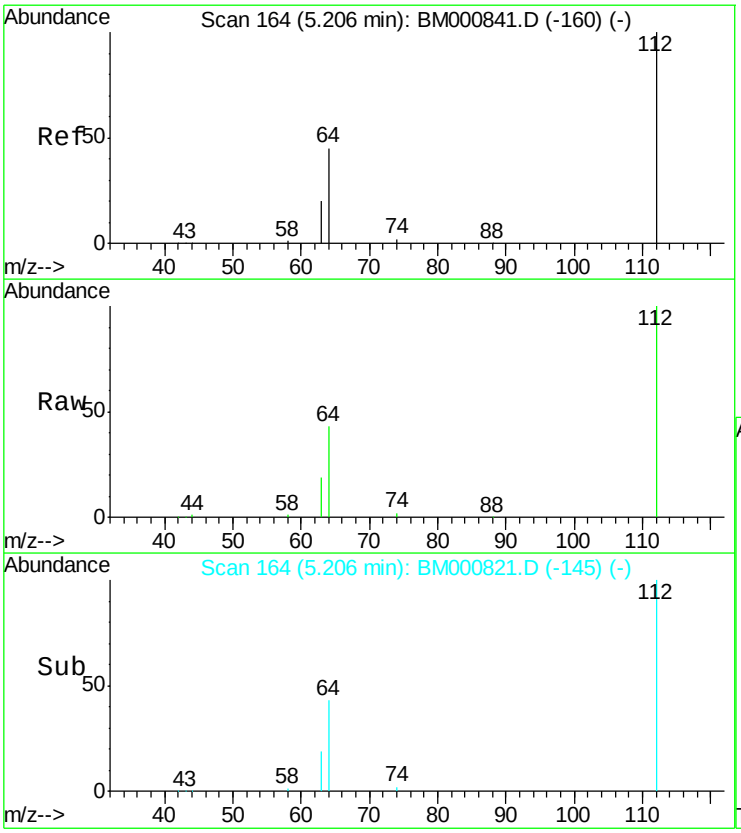
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.63 min Scan# 262
Delta R.T. -0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion:152 Resp: 28675

Ion	Ratio	Lower	Upper
152	100		
150	123.4	99.8	149.6
115	17.0	13.5	20.3

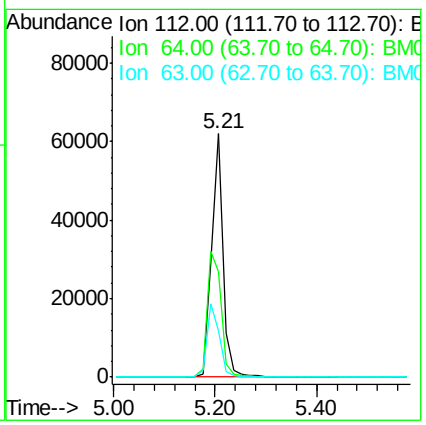


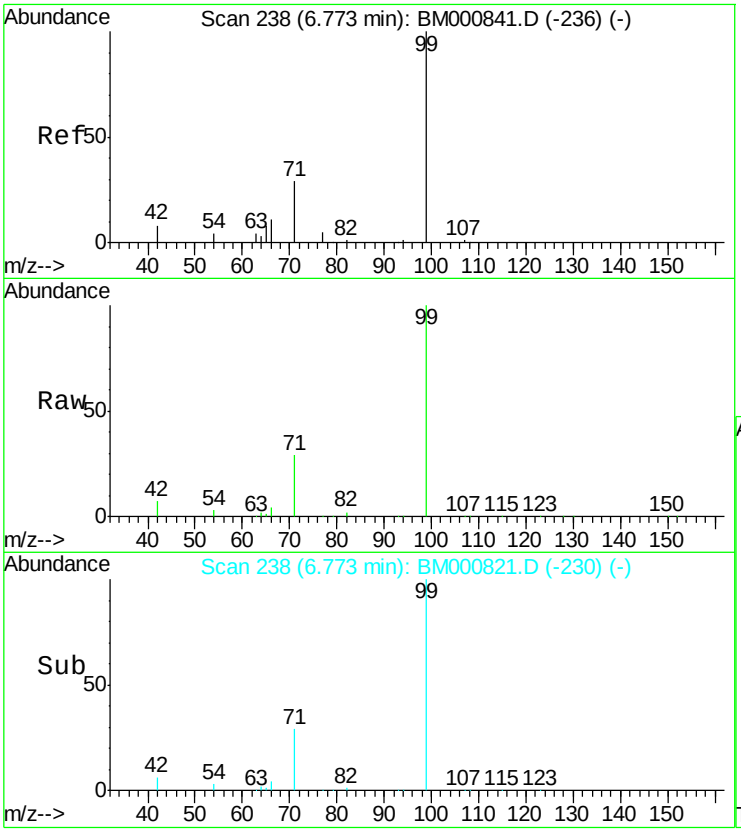


#4
2-Fluorophenol
Concen: 12.56 ng
RT: 5.21 min Scan# 164
Delta R.T. -0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Tgt Ion:112 Resp: 99226

Ion	Ratio	Lower	Upper
112	100		
64	43.4	40.3	60.5
63	18.9	19.0	28.4#



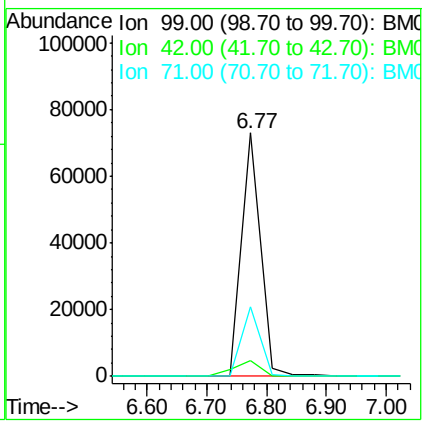


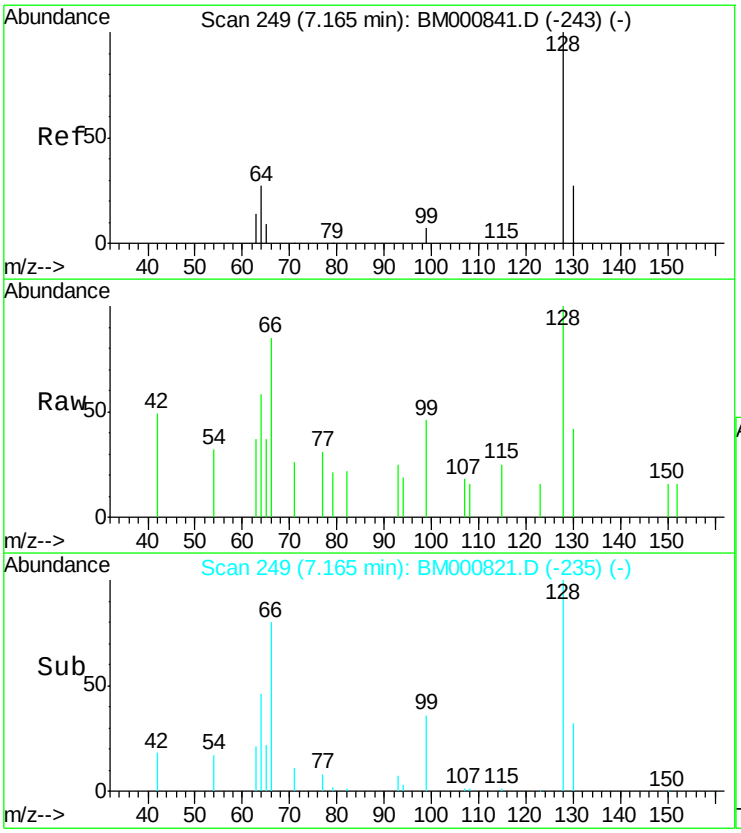
#5
Phenol-d6
Concen: 10.80 ng
RT: 6.77 min Scan# 238
Delta R.T. 0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion: 99 Resp: 163589

Ion	Ratio	Lower	Upper
99	100		
42	6.6	10.2	15.4#
71	28.8	28.6	43.0

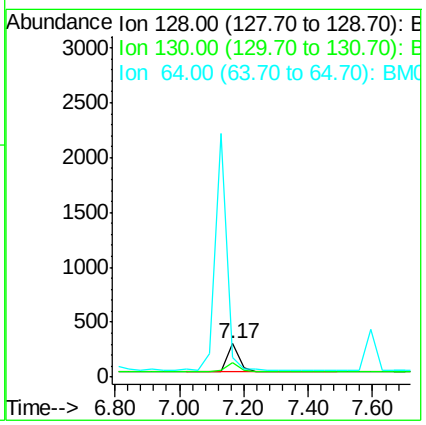


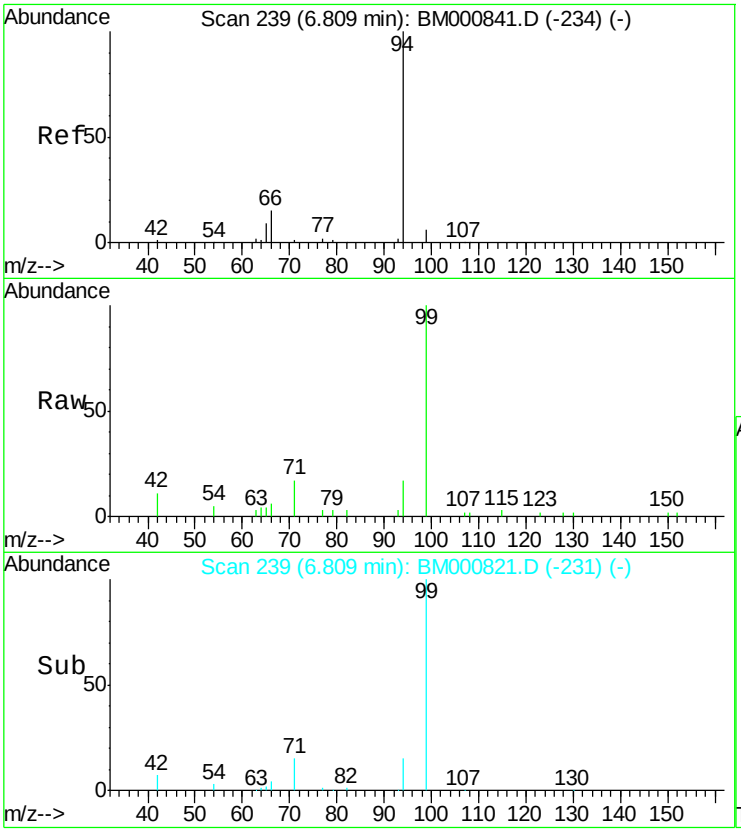


#6
2-Chlorophenol
Concen: 0.26 ng
RT: 7.17 min Scan# 249
Delta R.T. 0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Tgt Ion:128 Resp: 637

Ion	Ratio	Lower	Upper
128	100		
130	42.3	7.6	47.6
64	58.4	23.1	63.1



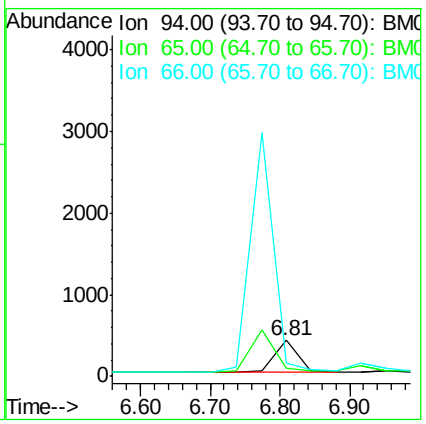


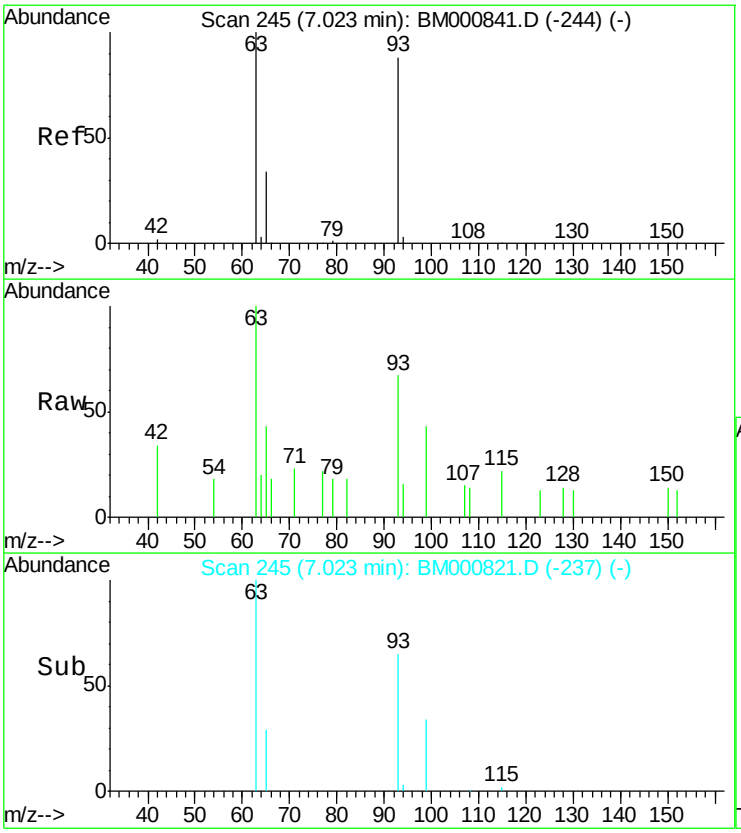
#7
Phenol
Concen: 0.08 ng
RT: 6.81 min Scan# 239
Delta R.T. -0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion: 94 Resp: 909

Ion	Ratio	Lower	Upper
94	100		
65	23.8	0.0	32.0
66	37.8	0.0	37.6#

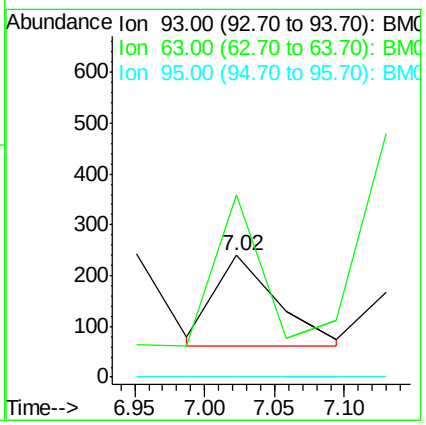


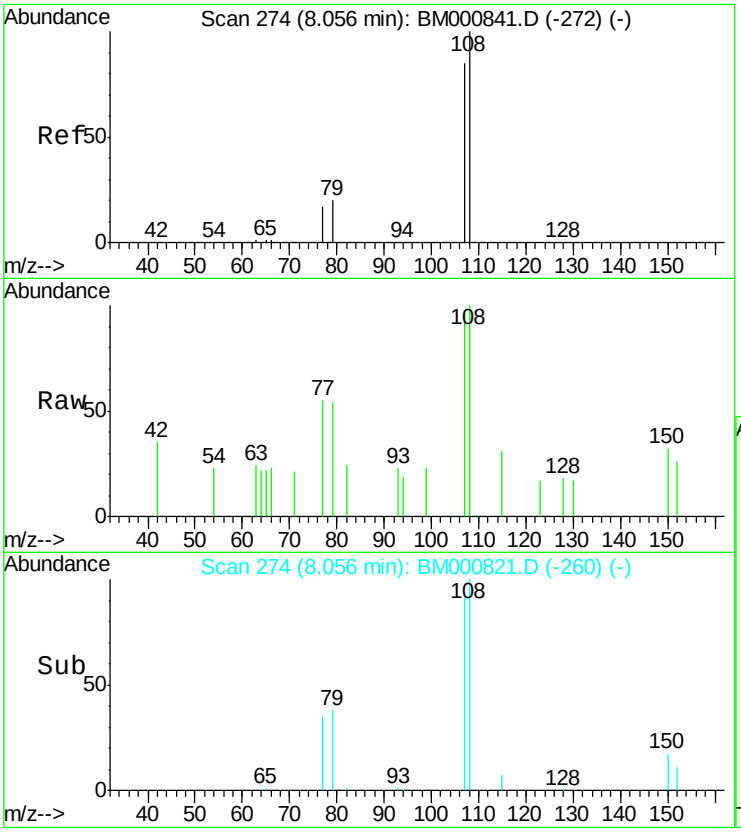


#8
bis(2-Chloroethyl)ether
Concen: 0.26 ng m
RT: 7.02 min Scan# 245
Delta R.T. 0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Tgt Ion: 93 Resp: 560

Ion	Ratio	Lower	Upper
93	100		
63	149.2	118.9	158.9
95	0.0	0.0	20.0



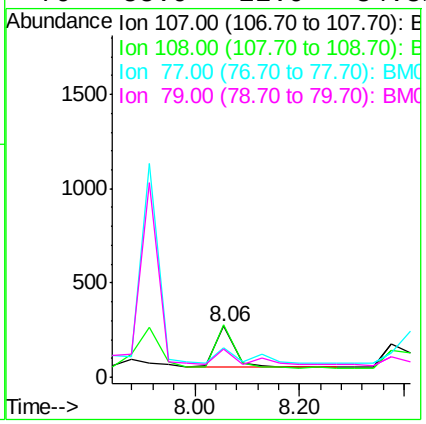


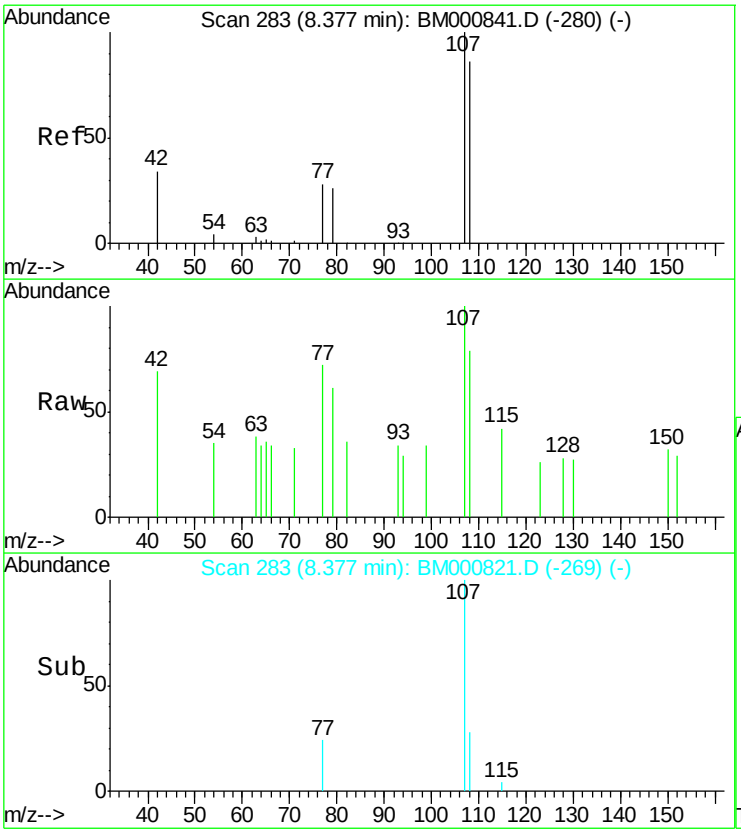
#9
2-Methylphenol
Concen: 0.22 ng
RT: 8.06 min Scan# 274
Delta R.T. -0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion:107 Resp: 547

Ion	Ratio	Lower	Upper
107	100		
108	103.3	92.0	138.0
77	57.0	20.6	31.0#
79	55.9	22.9	34.3#

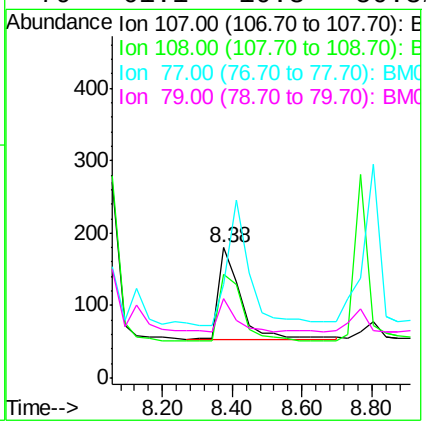


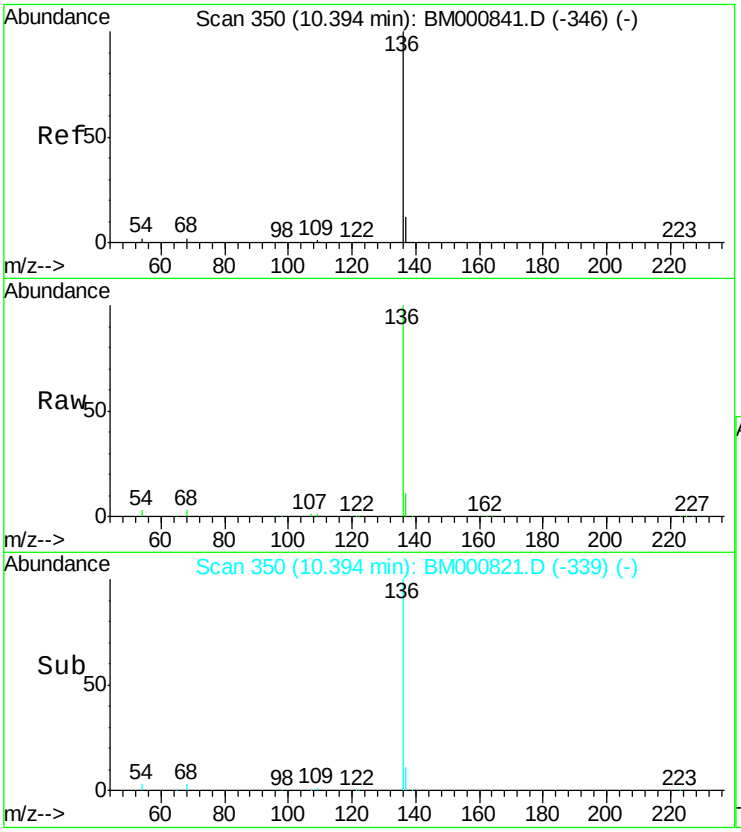


#10
3+4-Methylphenols
Concen: 0.17 ng
RT: 8.38 min Scan# 283
Delta R.T. 0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Tgt Ion:107 Resp: 566

Ion	Ratio	Lower	Upper
107	100		
108	79.4	62.6	102.6
77	71.7	12.8	52.8#
79	61.1	10.3	50.3#



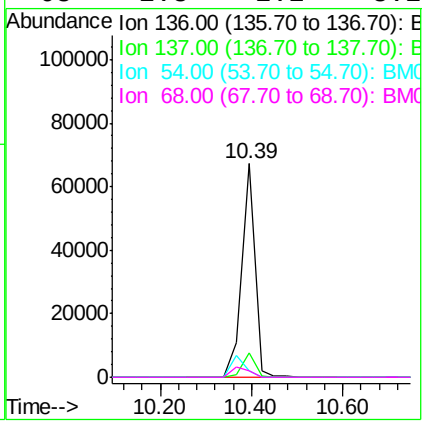


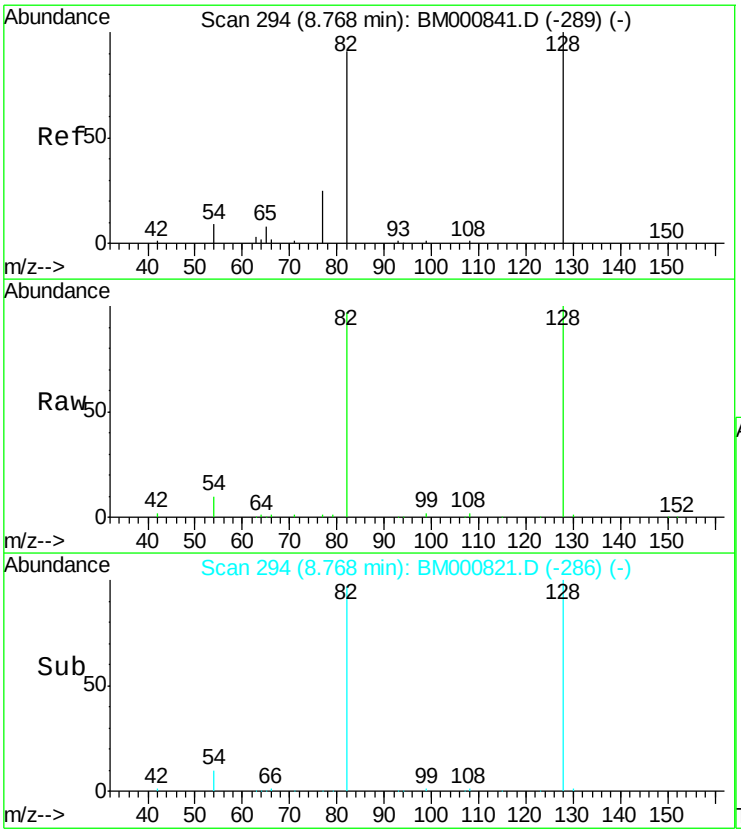
#11
Naphthalene-d8
Concen: 5.00 ng
RT: 10.39 min Scan# 350
Delta R.T. -0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion:136 Resp: 132446

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	2.9	2.2	3.4
68	2.8	2.2	3.2

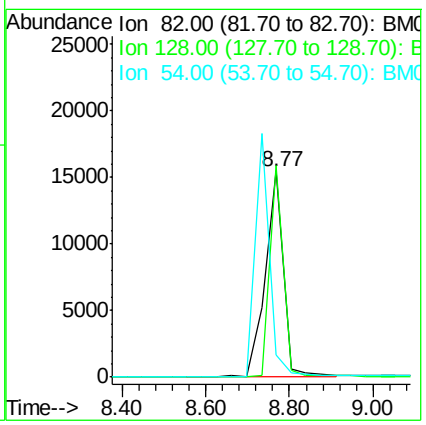


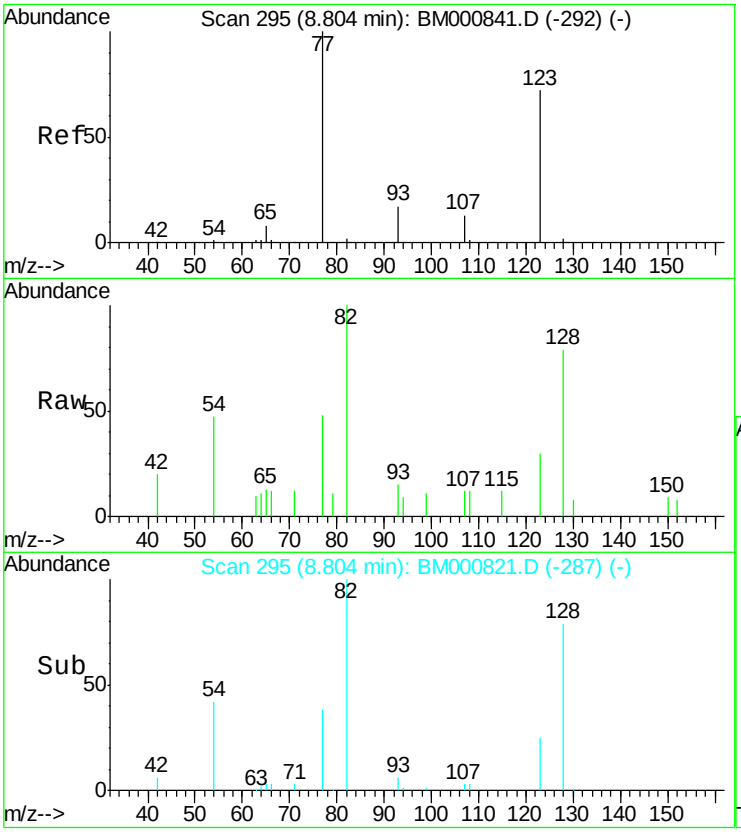


#12
Nitrobenzene-d5
Concen: 7.53 ng
RT: 8.77 min Scan# 294
Delta R.T. -0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Tgt Ion: 82 Resp: 46525

Ion	Ratio	Lower	Upper
82	100		
128	102.7	72.5	108.7
54	10.6	11.8	17.8#



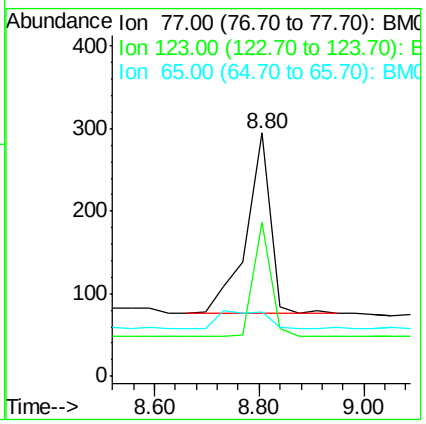


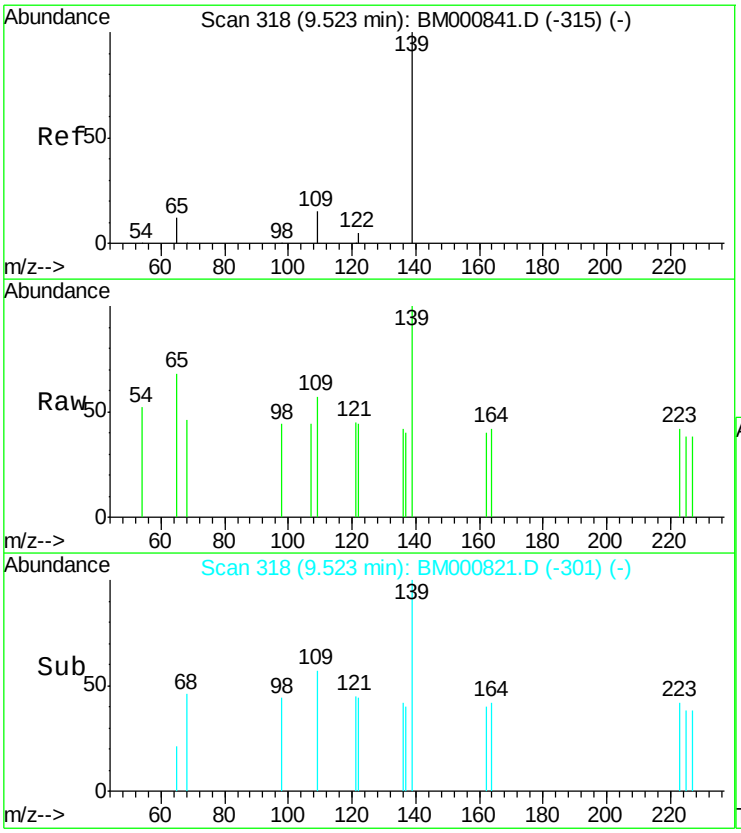
#13
Nitrobenzene
Concen: 0.10 ng
RT: 8.80 min Scan# 295
Delta R.T. -0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion: 77 Resp: 701

Ion	Ratio	Lower	Upper
77	100		
123	63.4	45.8	68.6
65	26.4	8.2	12.4#

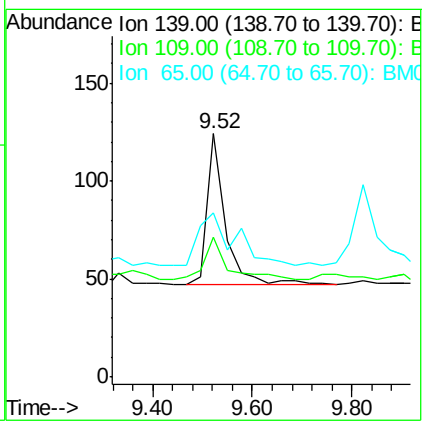


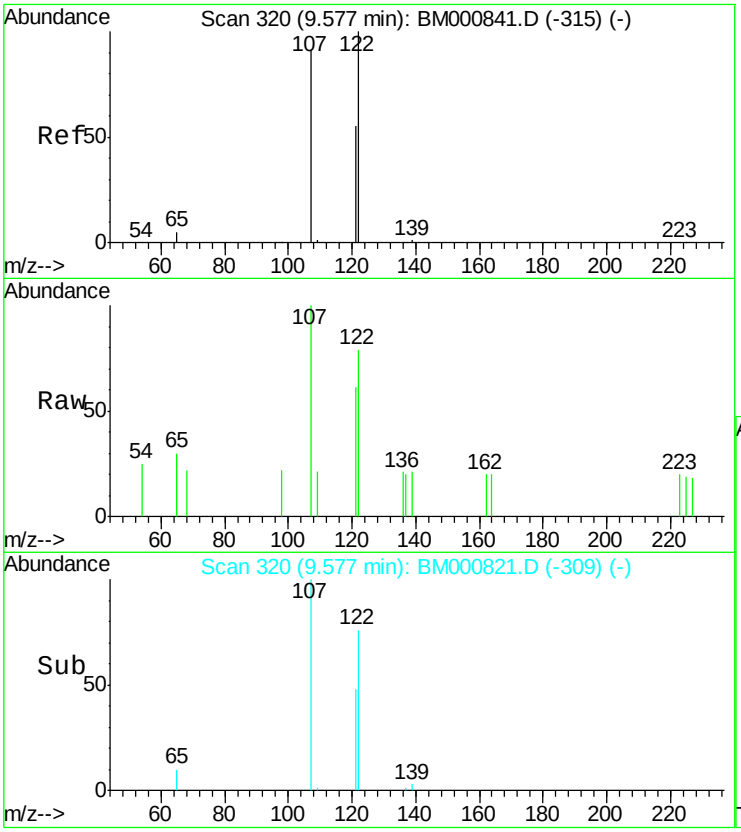


#14
2-Nitrophenol
Concen: 0.19 ng
RT: 9.52 min Scan# 318
Delta R.T. 0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Tgt Ion:139 Resp: 196

Ion	Ratio	Lower	Upper
139	100		
109	57.3	15.0	22.6#
65	67.7	14.2	21.4#



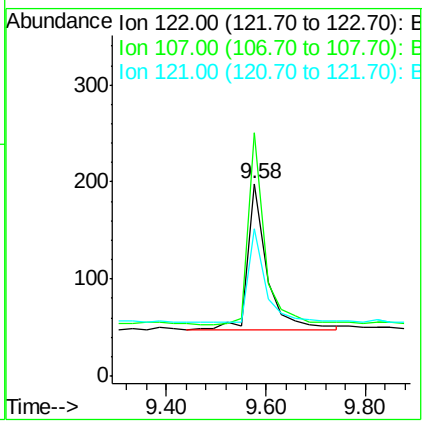


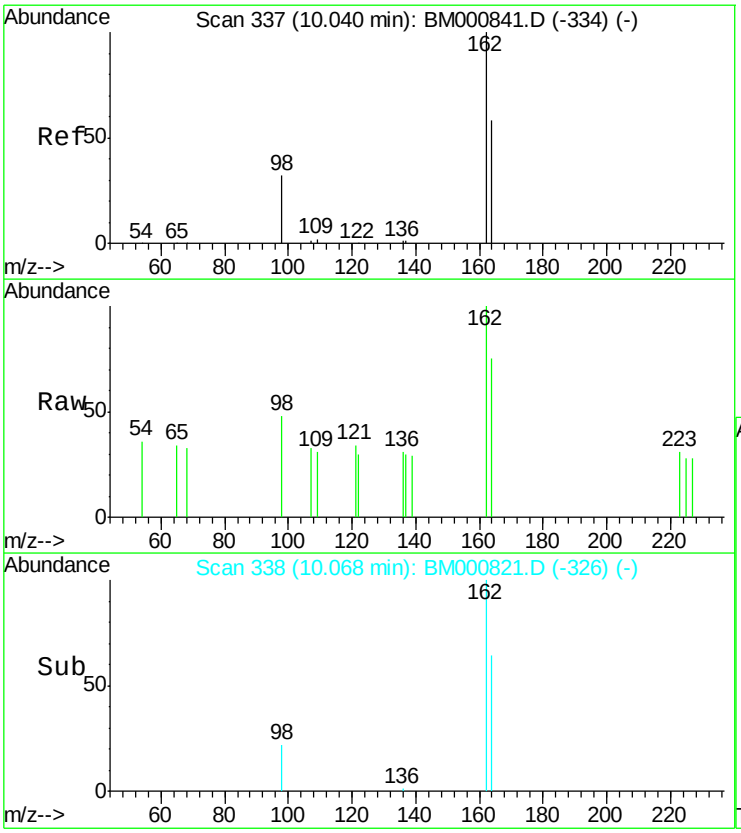
#15
2,4-Dimethylphenol
Concen: 0.05 ng
RT: 9.58 min Scan# 320
Delta R.T. -0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion:122 Resp: 402

Ion	Ratio	Lower	Upper
122	100		
107	126.8	78.2	117.4#
121	76.8	45.4	68.0#

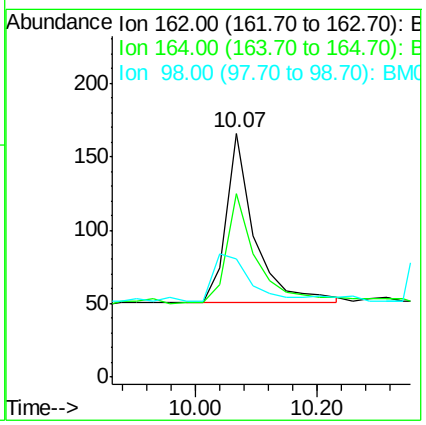


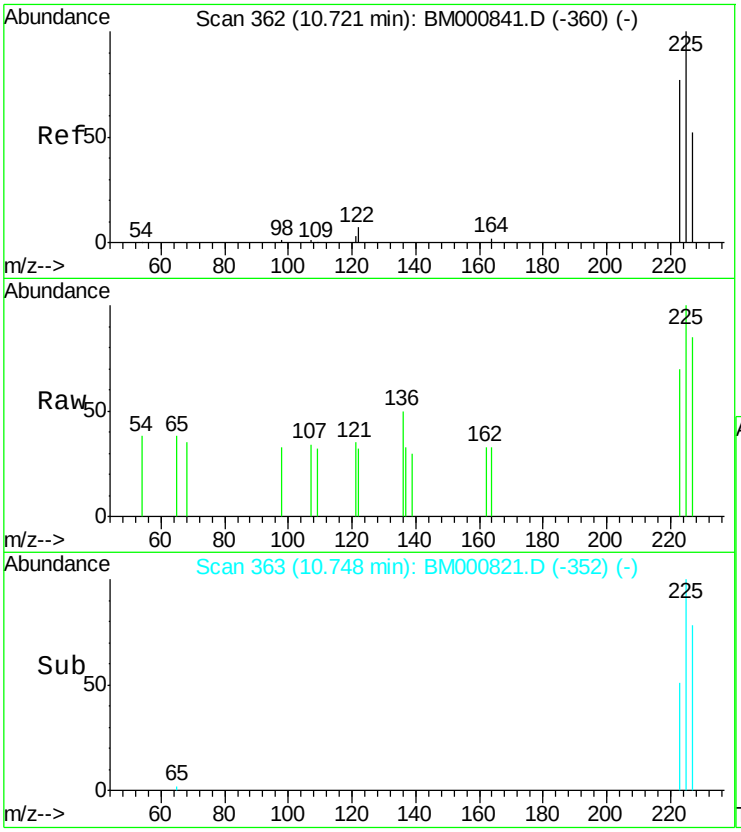


#16
2,4-Dichlorophenol
Concen: 0.26 ng
RT: 10.07 min Scan# 338
Delta R.T. 0.03 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Tgt Ion:162 Resp: 368

Ion	Ratio	Lower	Upper
162	100		
164	75.3	37.1	77.1
98	48.2	19.5	59.5



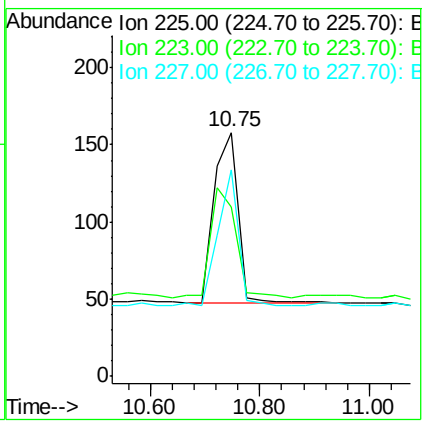


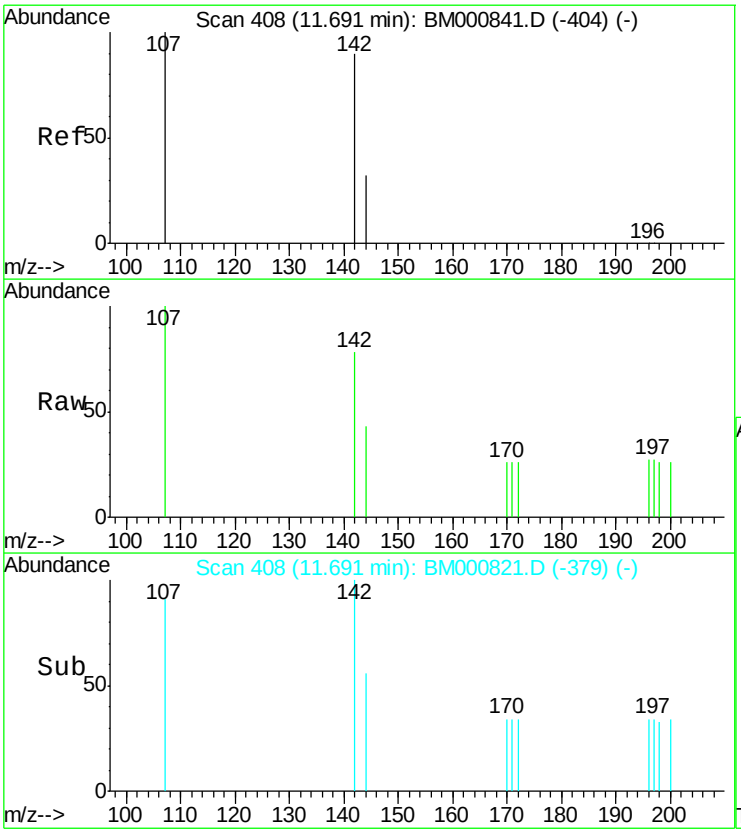
#17
Hexachlorobutadiene
Concen: 0.07 ng
RT: 10.75 min Scan# 363
Delta R.T. -0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion:225 Resp: 343

Ion	Ratio	Lower	Upper
225	100		
223	69.6	40.8	61.2#
227	84.8	62.8	94.2

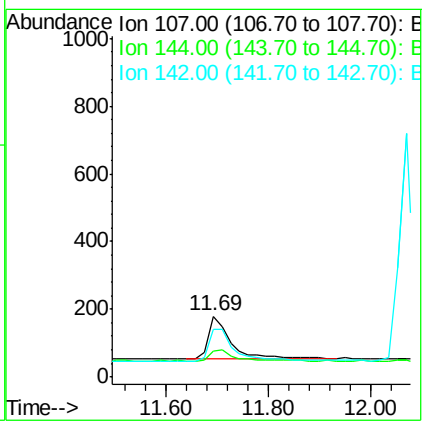


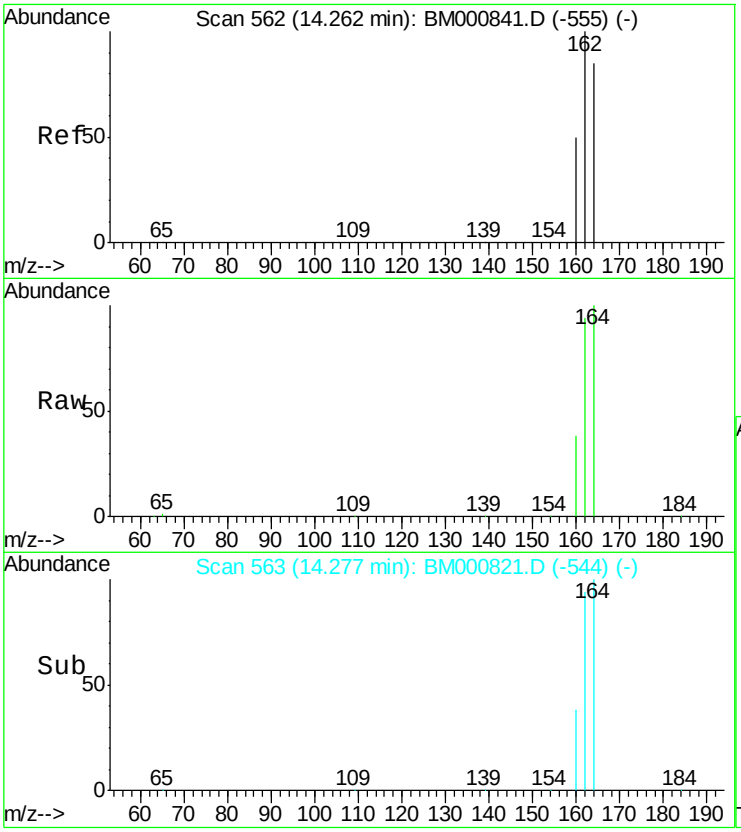


#18
4-Chloro-3-methylphenol
Concen: 0.06 ng
RT: 11.69 min Scan# 408
Delta R.T. -0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Tgt Ion:107 Resp: 408

Ion	Ratio	Lower	Upper
107	100		
144	43.3	25.8	38.8#
142	77.8	71.3	106.9



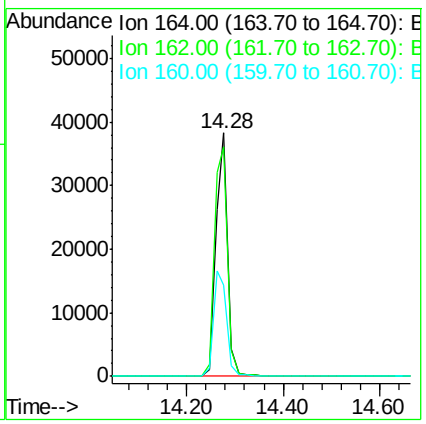


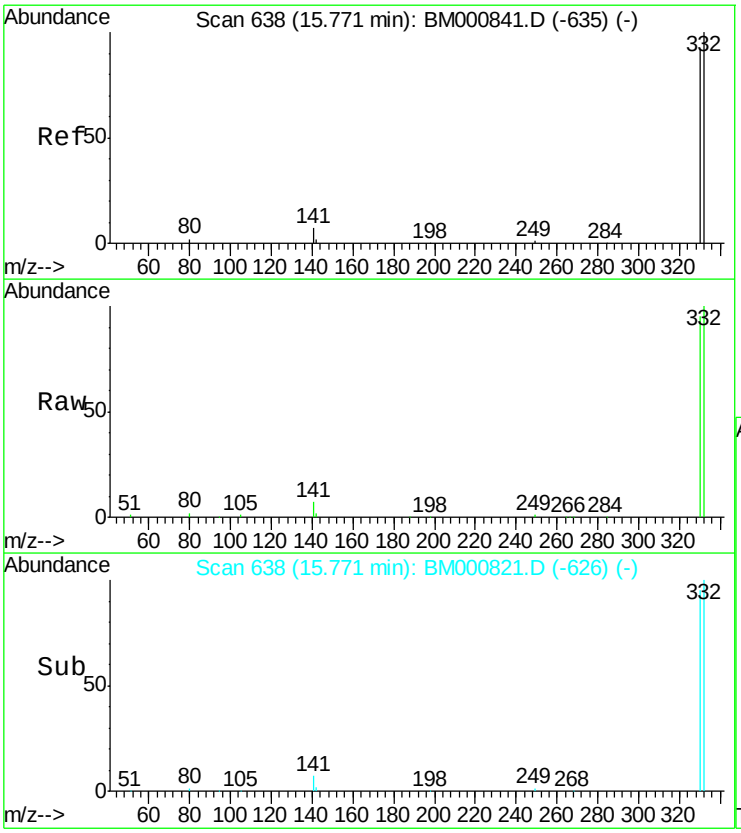
#19
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.28 min Scan# 563
Delta R.T. -0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion:164 Resp: 65881

Ion	Ratio	Lower	Upper
164	100		
162	94.2	74.2	111.2
160	37.8	30.4	45.6

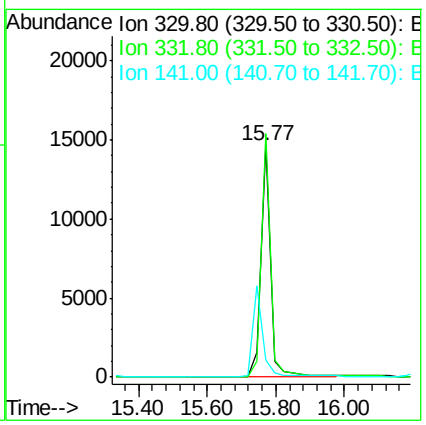


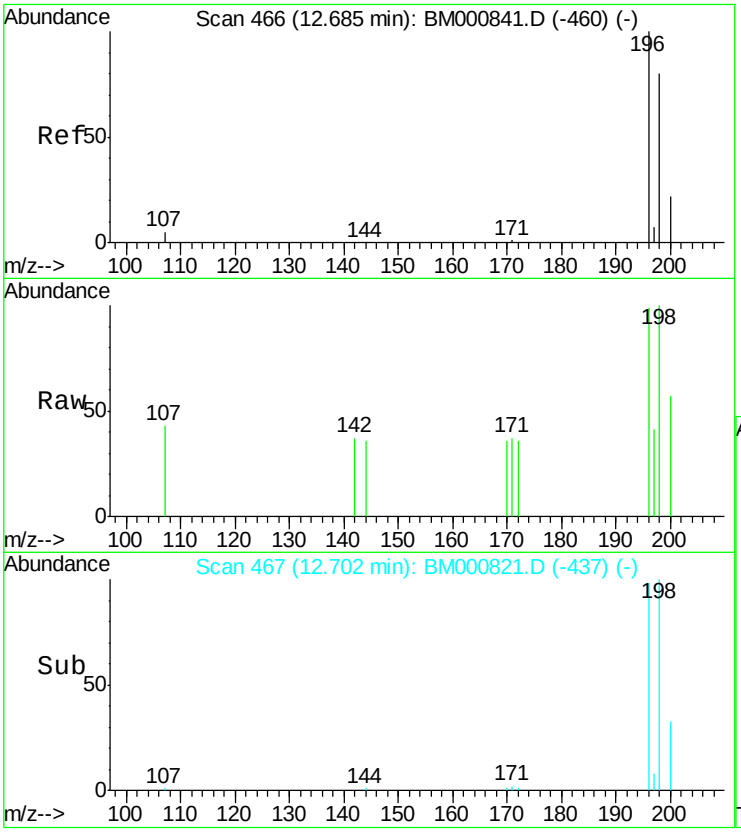


#20
2,4,6-Tribromophenol
Concen: 9.84 ng
RT: 15.77 min Scan# 638
Delta R.T. 0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Tgt Ion:330 Resp: 27486

Ion	Ratio	Lower	Upper
330	100		
332	101.8	78.7	118.1
141	0.0	0.0	0.0



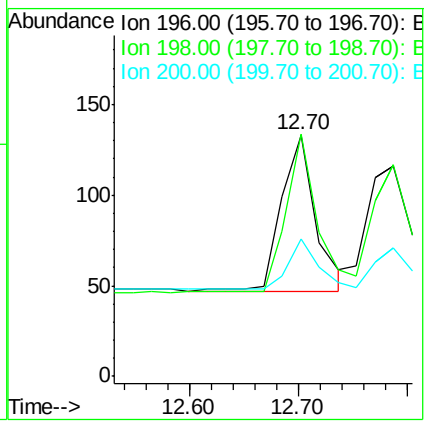


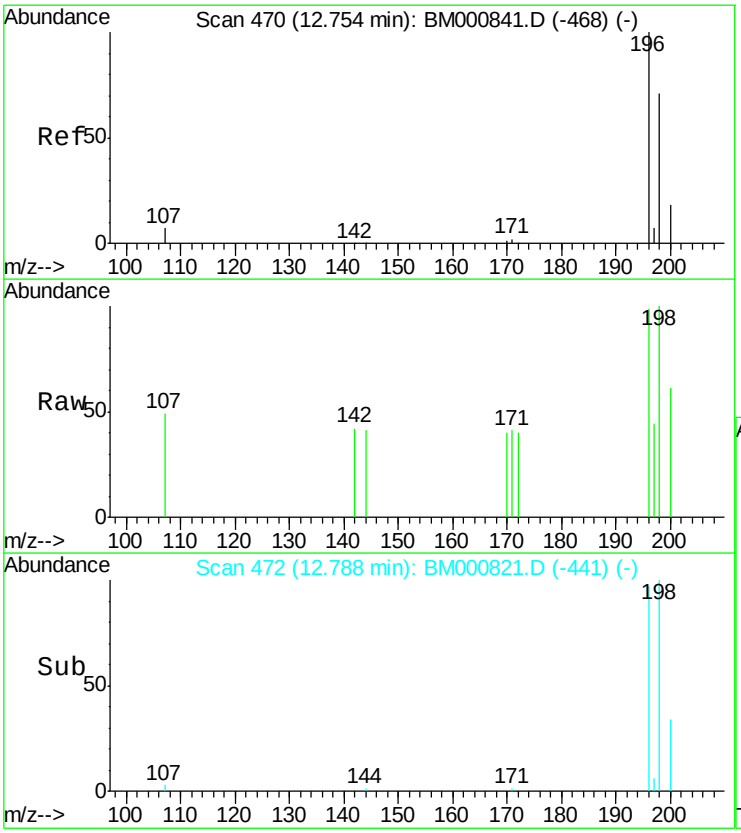
#21
2,4,6-Trichlorophenol
Concen: 0.16 ng
RT: 12.70 min Scan# 467
Delta R.T. 0.02 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion:196 Resp: 188

Ion	Ratio	Lower	Upper
196	100		
198	100.8	59.5	89.3#
200	57.1	17.4	26.0#

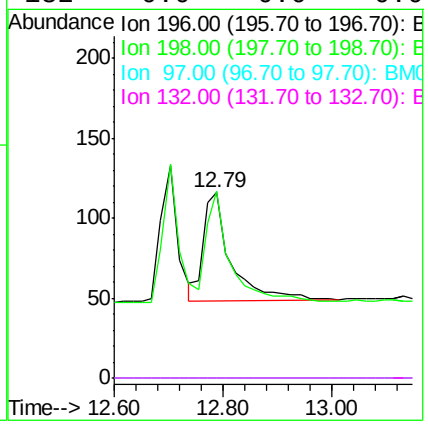


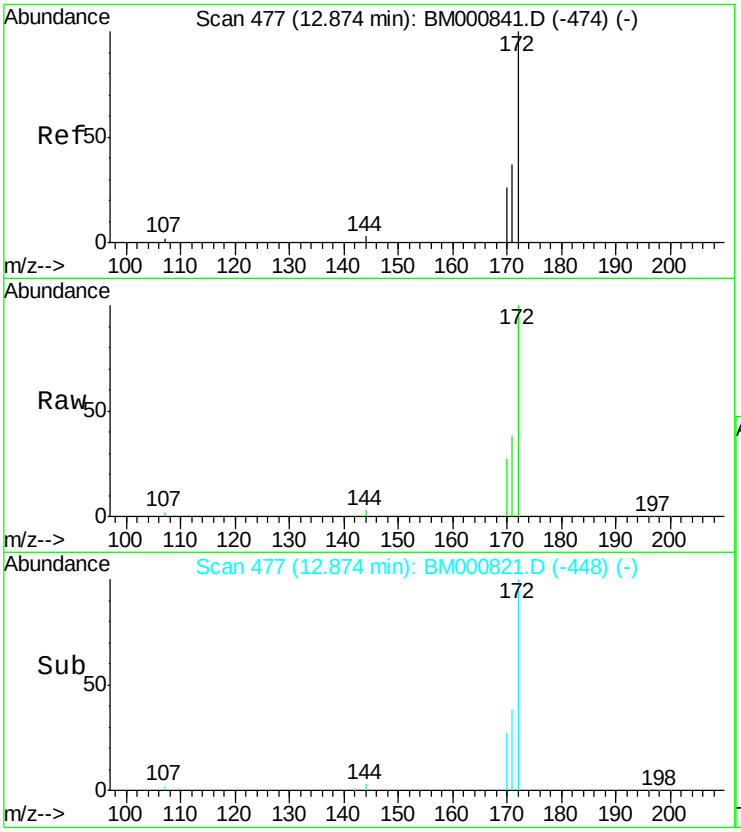


#22
2,4,5-Trichlorophenol
Concen: 0.10 ng
RT: 12.79 min Scan# 472
Delta R.T. 0.04 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Tgt Ion:196 Resp: 245

Ion	Ratio	Lower	Upper
196	100		
198	100.9	57.9	86.9#
97	0.0	0.0	0.0
132	0.0	0.0	0.0



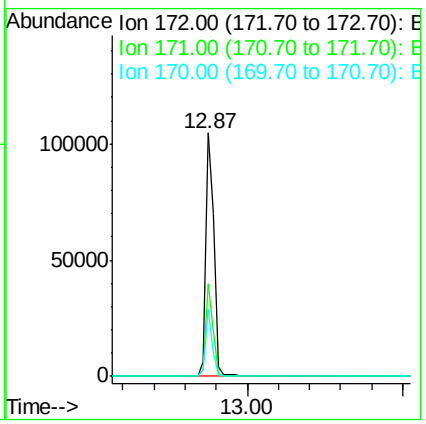


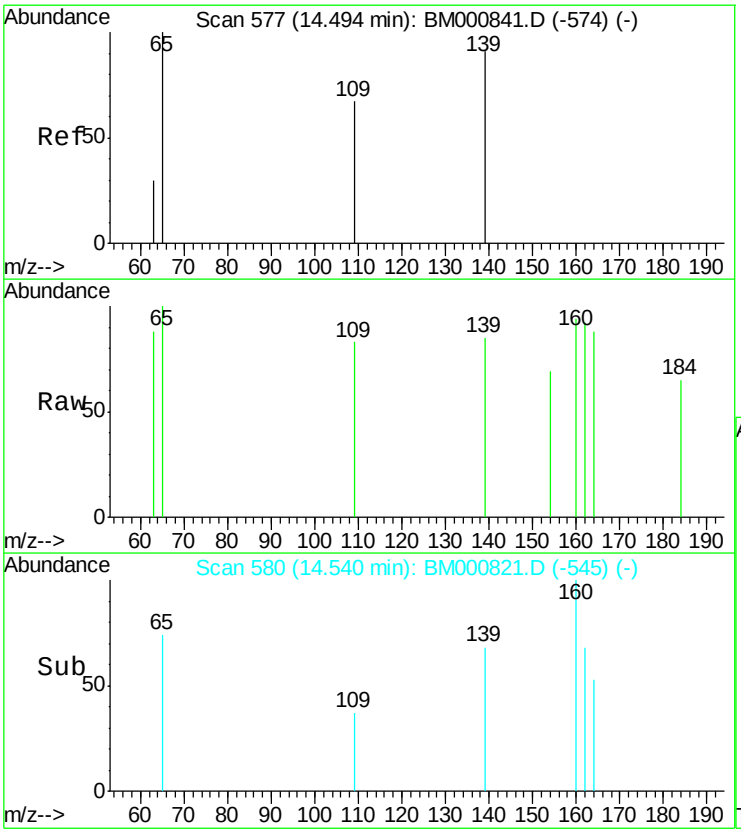
#23
2-Fluorobiphenyl
Concen: 9.56 ng
RT: 12.87 min Scan# 477
Delta R.T. -0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion:172 Resp: 194054

Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.6	46.0
170	27.3	22.2	33.2

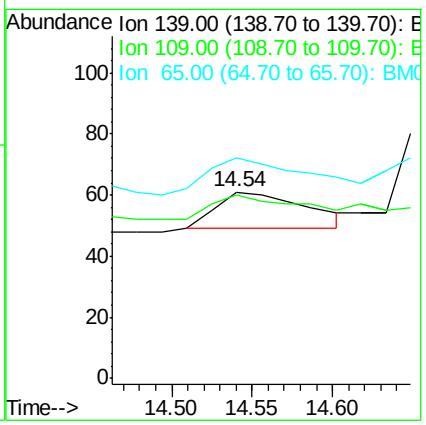


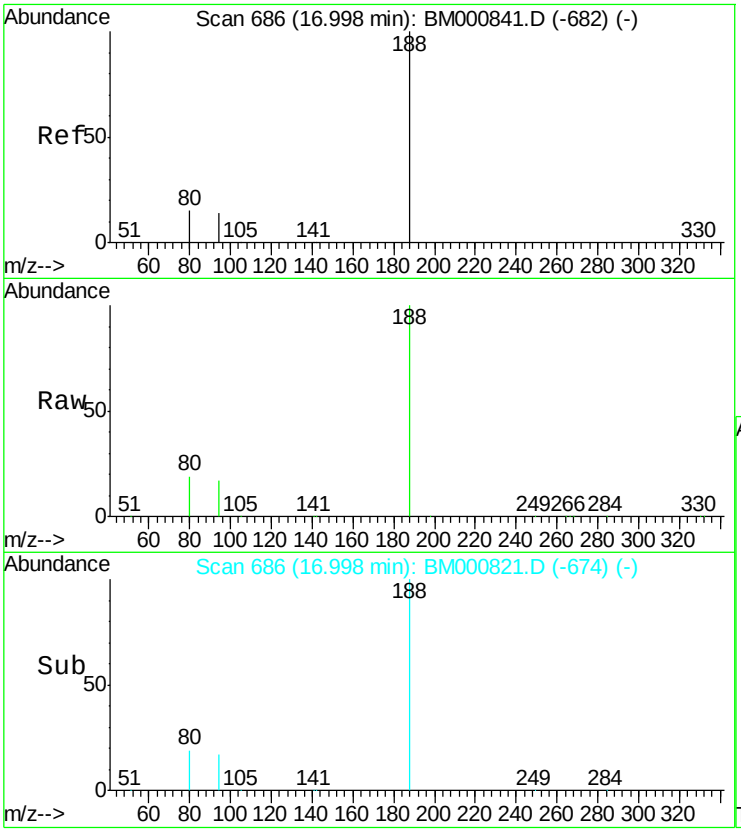


#25
4-Nitrophenol
Concen: 0.25 ng
RT: 14.54 min Scan# 580
Delta R.T. 0.05 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Tgt Ion:139 Resp: 46

Ion	Ratio	Lower	Upper
139	100		
109	98.4	58.2	98.2#
65	118.0	90.4	130.4



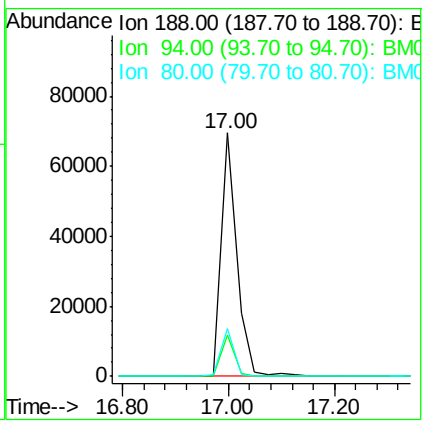


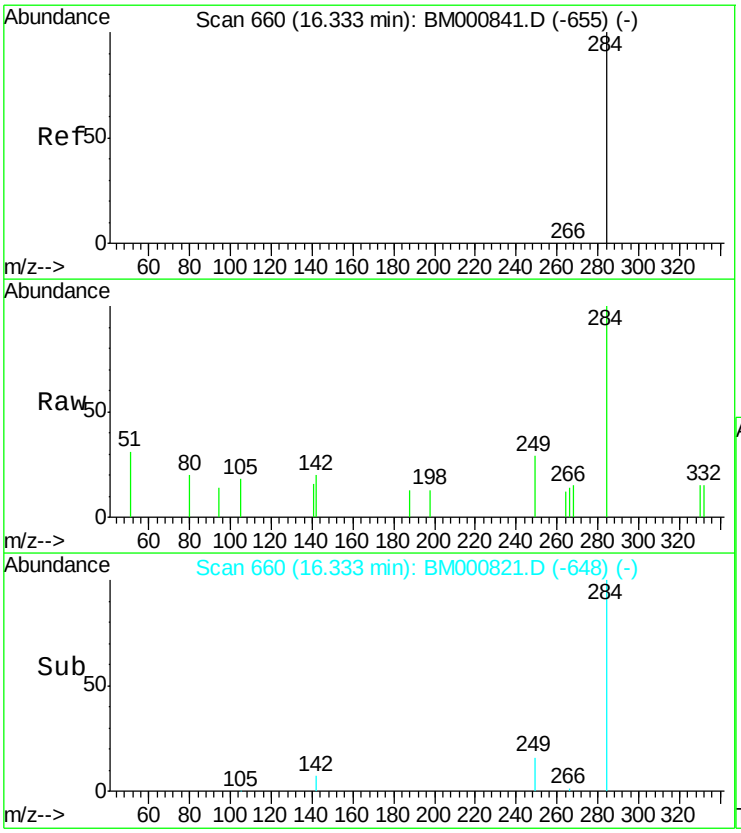
#26
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.00 min Scan# 686
Delta R.T. -0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion:188 Resp: 139061

Ion	Ratio	Lower	Upper
188	100		
94	16.8	13.0	19.6
80	19.5	14.7	22.1

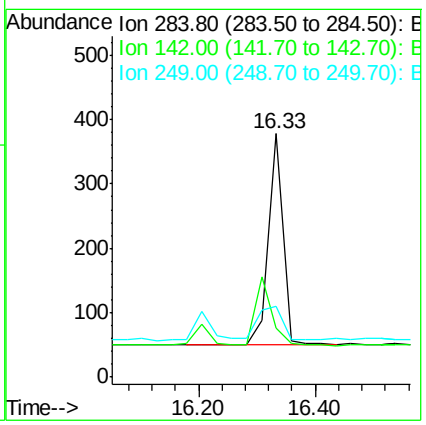


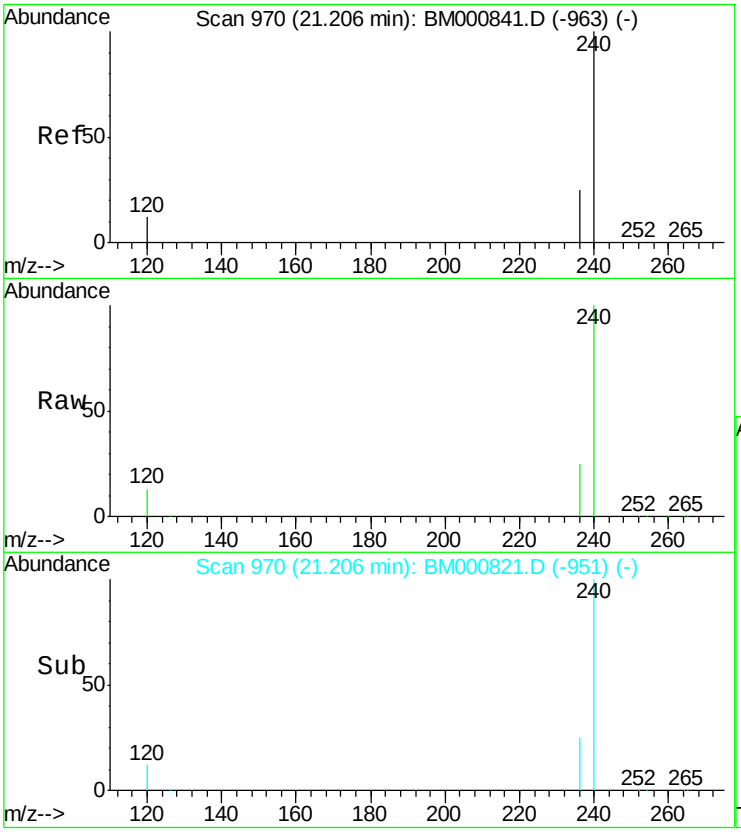


#28
Hexachlorobenzene
Concen: 0.14 ng
RT: 16.33 min Scan# 660
Delta R.T. 0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Tgt Ion:284 Resp: 588

Ion	Ratio	Lower	Upper
284	100		
142	20.1	6.5	9.7#
249	29.1	12.6	18.8#



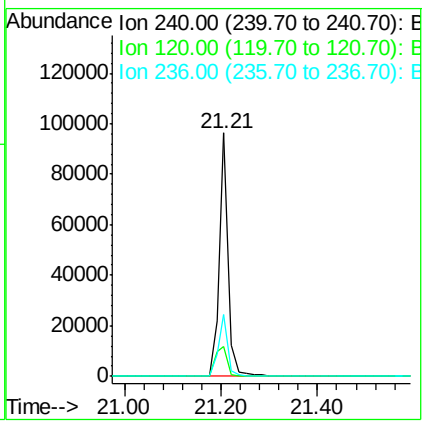


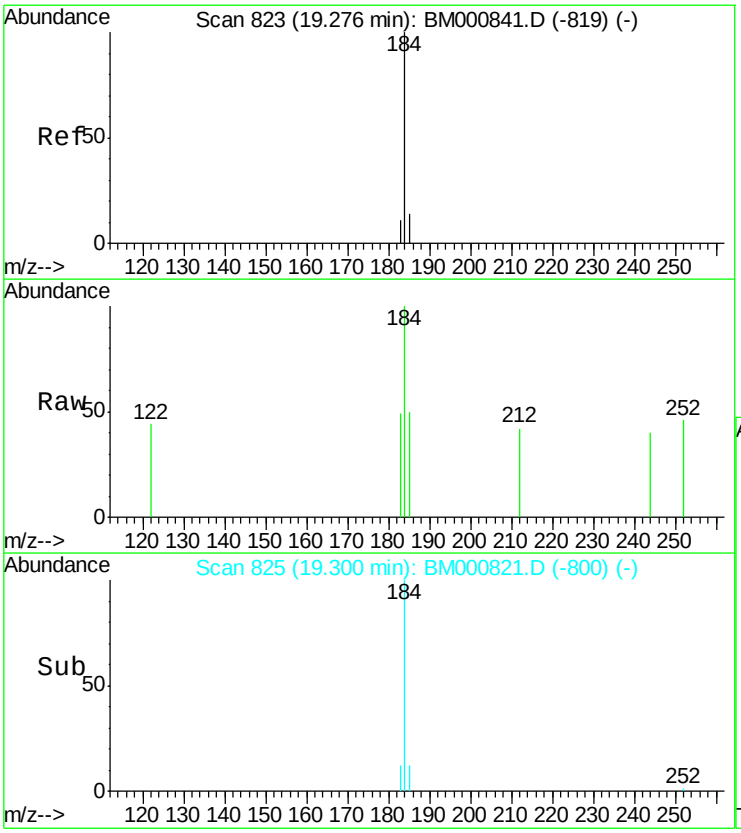
#30
Chrysene-d12
Concen: 5.00 ng
RT: 21.21 min Scan# 970
Delta R.T. -0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion:240 Resp: 126600

Ion	Ratio	Lower	Upper
240	100		
120	12.5	11.3	16.9
236	25.3	21.1	31.7

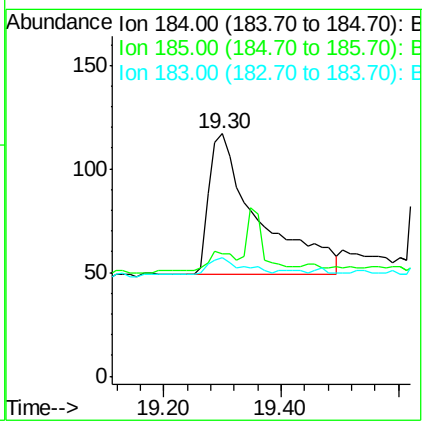


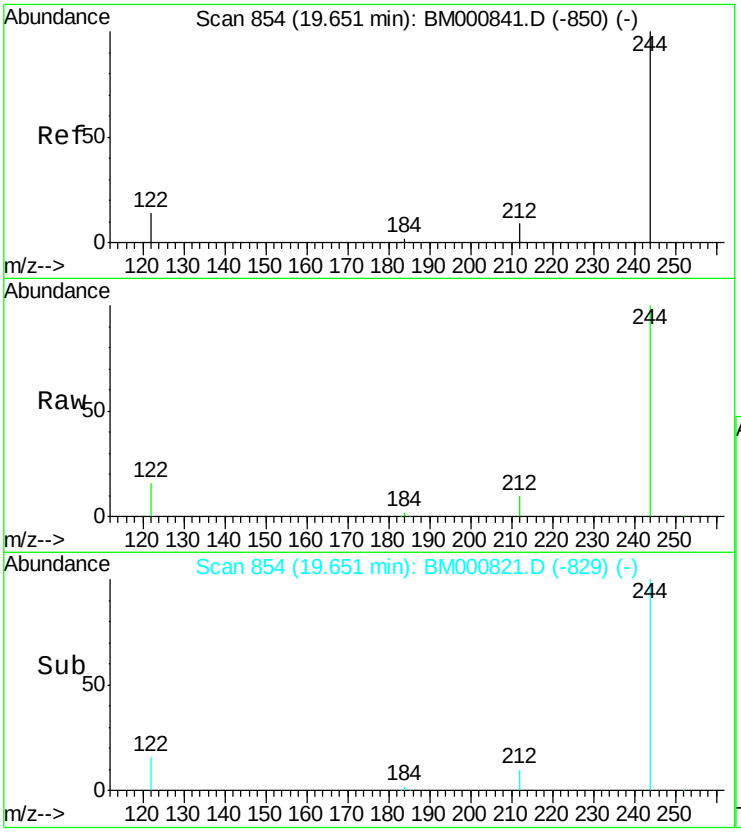


#31
Benzidine
Concen: 0.14 ng
RT: 19.30 min Scan# 825
Delta R.T. 0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Tgt Ion:184 Resp: 394

Ion	Ratio	Lower	Upper
184	100		
185	50.4	39.1	58.7
183	48.7	36.1	54.1



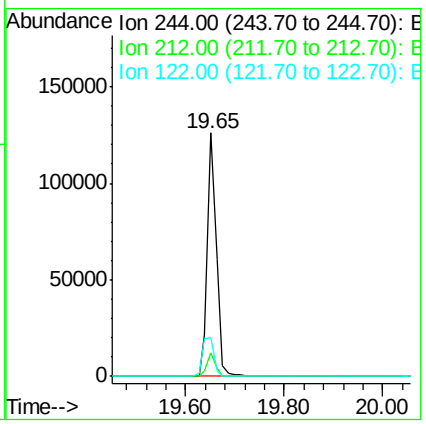


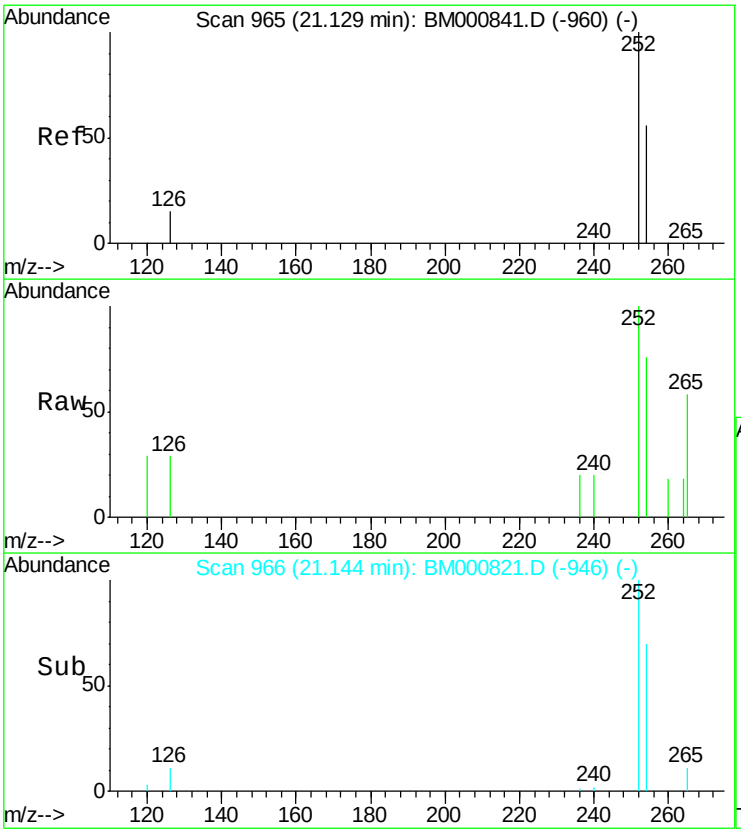
#32
Terphenyl-d14
Concen: 10.46 ng
RT: 19.65 min Scan# 854
Delta R.T. -0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion:244 Resp: 159325

Ion	Ratio	Lower	Upper
244	100		
212	9.7	8.0	12.0
122	16.1	14.7	22.1

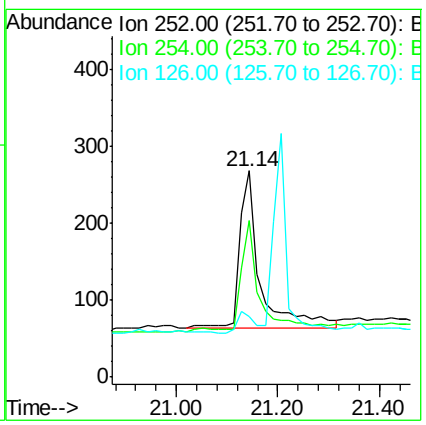


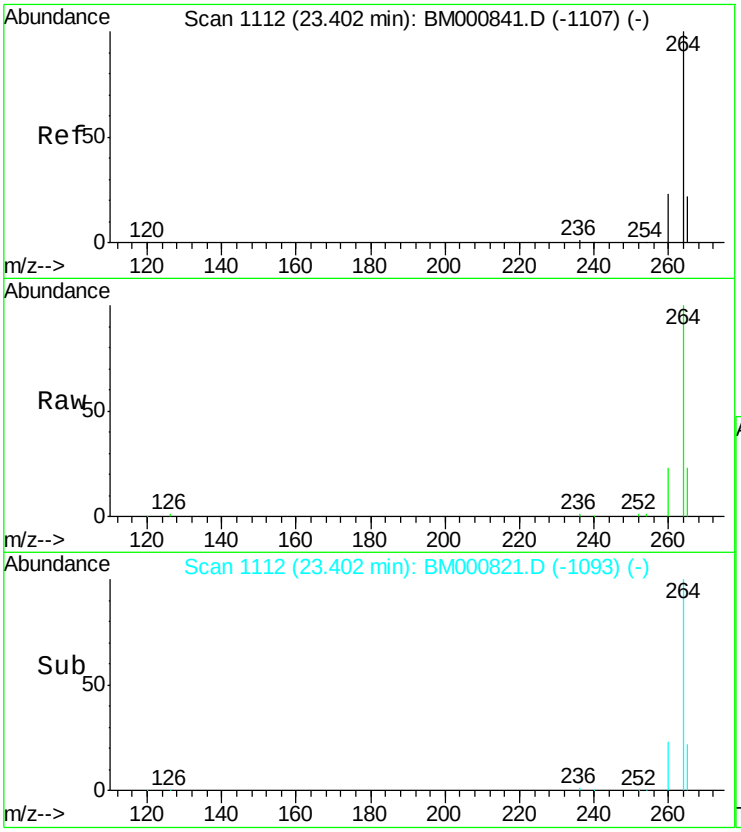


#33
3,3'-Dichlorobenzidine
Concen: 0.25 ng
RT: 21.14 min Scan# 966
Delta R.T. 0.02 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Tgt Ion:252 Resp: 585

Ion	Ratio	Lower	Upper
252	100		
254	75.7	44.5	66.7#
126	29.5	13.6	20.4#





#34
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 1112
Delta R.T. -0.00 min
Lab File: BM000821.D
Acq: 02 Apr 2015 23:56

Instrument :
BNA_M
ClientSampleId :
MDL-01-S

Tgt Ion:264 Resp: 116159

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.1	28.7
265	22.9	17.5	26.3