Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040715\
Data File : BM000895.D
Acq On : 08 Apr 2015 01:22
Operator : TP/IZ
Sample : G1614-03
Misc : LOD-SOIL-0.1PPM
ALS Vial : 55 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : LOD-SOIL2015-01

Manual Integrations APPROVED
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4/9/2015 8:11:35 AM

Quant Time: Apr 08 18:23:59 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-BM040715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 07 15:59:39 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	20303	5.00	ng		-0.04
11) Naphthalene-d8	10.39	136	100846	5.00	ng		0.00
19) Acenaphthene-d10	14.26	164	55525	5.00	ng		0.00
26) Phenanthrene-d10	17.01	188	113217	5.00	ng		0.00
30) Chrysene-d12	21.20	240	102352	5.00	ng		0.00
34) Perylene-d12	23.38	264	91767	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.19	112	79400	11.65	ng		-0.02
5) Phenol-d6	6.77	99	138012	9.90	ng		0.00
12) Nitrobenzene-d5	8.73	82	38679	7.69	ng		-0.04
20) 2,4,6-Tribromophenol	15.75	330	22857	9.82	ng		0.00
23) 2-Fluorobiphenyl	12.87	172	159218	9.30	ng		0.00
32) Terphenyl-d14	19.65	244	121360	9.61	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.12	88	654	0.10	ng	#	44
6) 2-Chlorophenol	7.17	128	669	0.23	ng		76
7) Phenol	6.81	94	560	0.07	ng	#	32
8) bis(2-Chloroethyl)ether	7.02	93	509	0.24	ng		90
9) 2-Methylphenol	8.06	107	400	0.06	ng	#	74
10) 3+4-Methylphenols	8.38	107	496	0.27	ng	#	73
13) Nitrobenzene	8.80	77	492	0.10	ng	#	84
14) 2-Nitrophenol	9.52	139	149m	0.17	ng		
15) 2,4-Dimethylphenol	9.58	122	328	0.06	ng	#	74
16) 2,4-Dichlorophenol	10.07	162	351	0.27	ng	#	70
17) Hexachlorobutadiene	10.72	225	312	0.07	ng		87
18) 4-Chloro-3-methylphenol	11.69	107	324	0.26	ng	#	87
21) 2,4,6-Trichlorophenol	12.69	196	188	0.28	ng	#	88
22) 2,4,5-Trichlorophenol	12.77	196	197	0.23	ng		86
25) 4-Nitrophenol	14.55	139	30m	0.13	ng		
28) Hexachlorobenzene	16.32	284	443	0.05	ng	#	79
31) Benzidine	19.28	184	299	0.06	ng	#	8
33) 3,3'-Dichlorobenzidine	21.14	252	479	0.07	ng	#	69

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

Quantitation Report (QT Reviewed)

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BNA_M
ClientSampleId :
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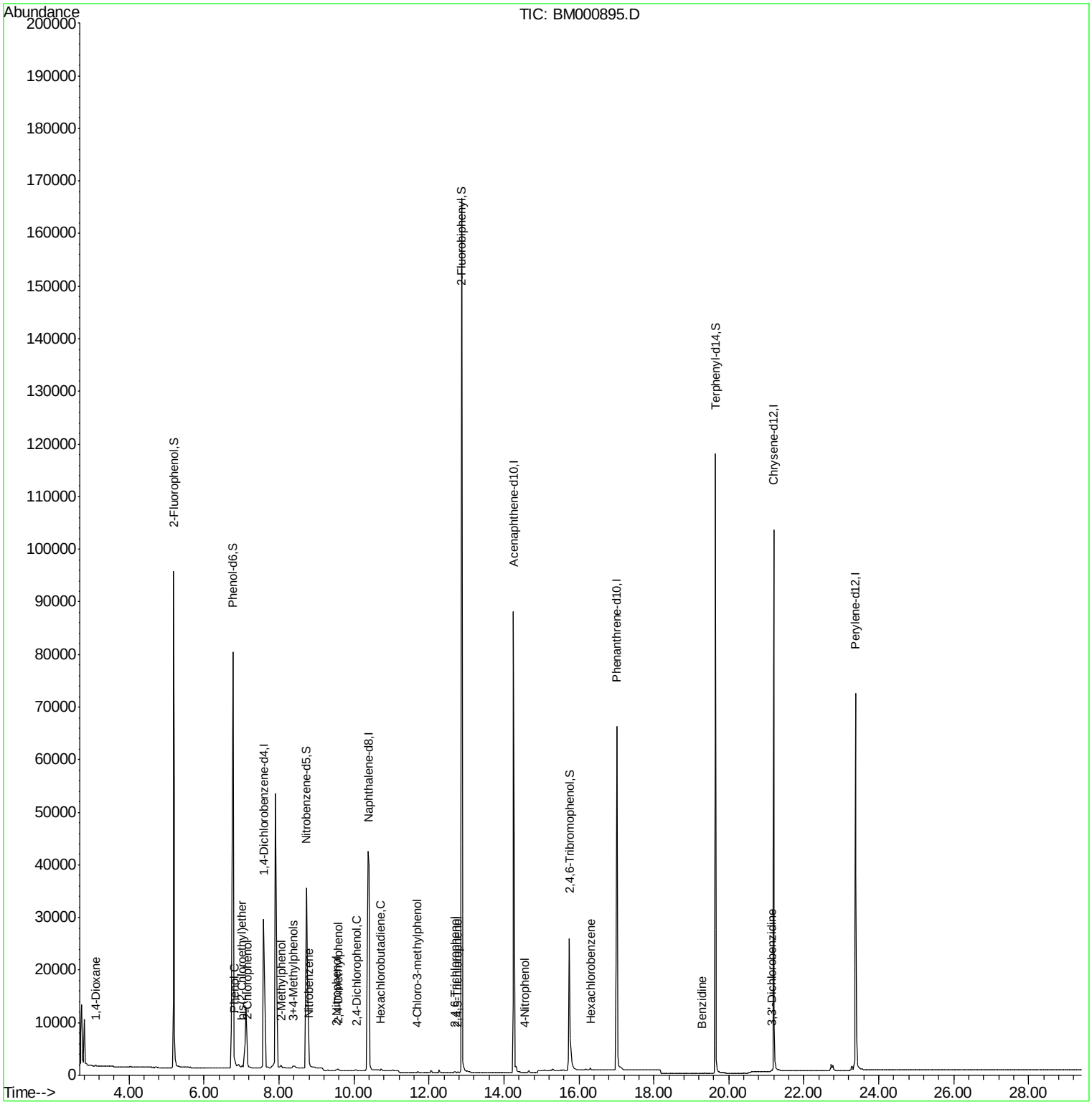
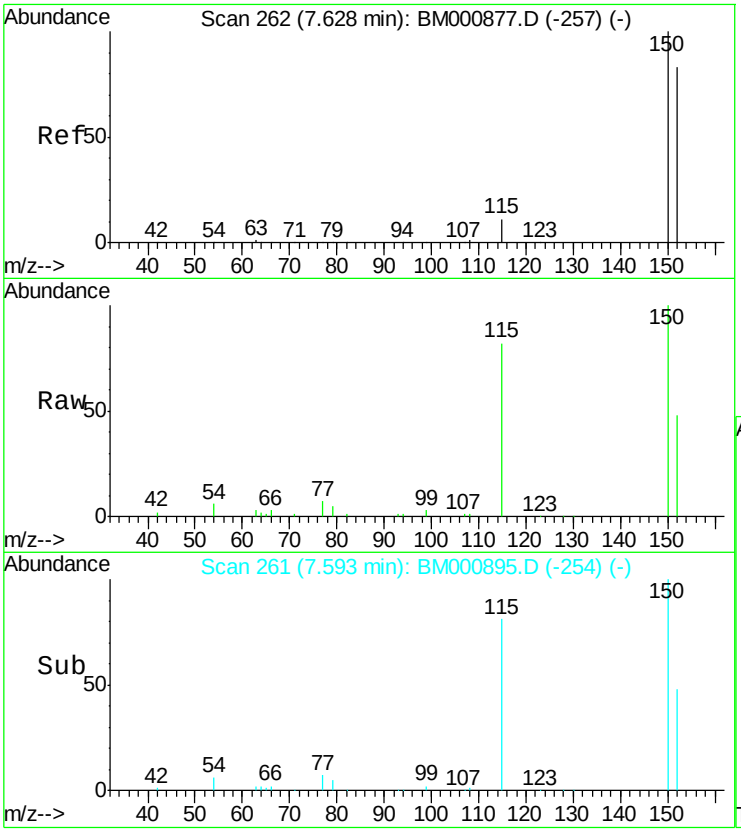
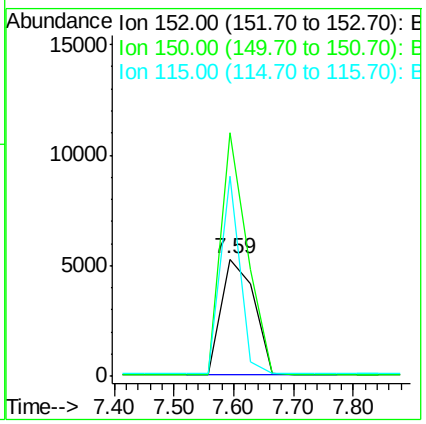




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.59 min Scan# 261
Delta R.T. -0.04 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:152 Resp: 20303

Ion	Ratio	Lower	Upper
152	100		
150	207.7	96.5	144.7#
115	170.8	11.9	17.9#



Instrument :
BNA_M
ClientSampleId :
LOD-SOIL2015-01

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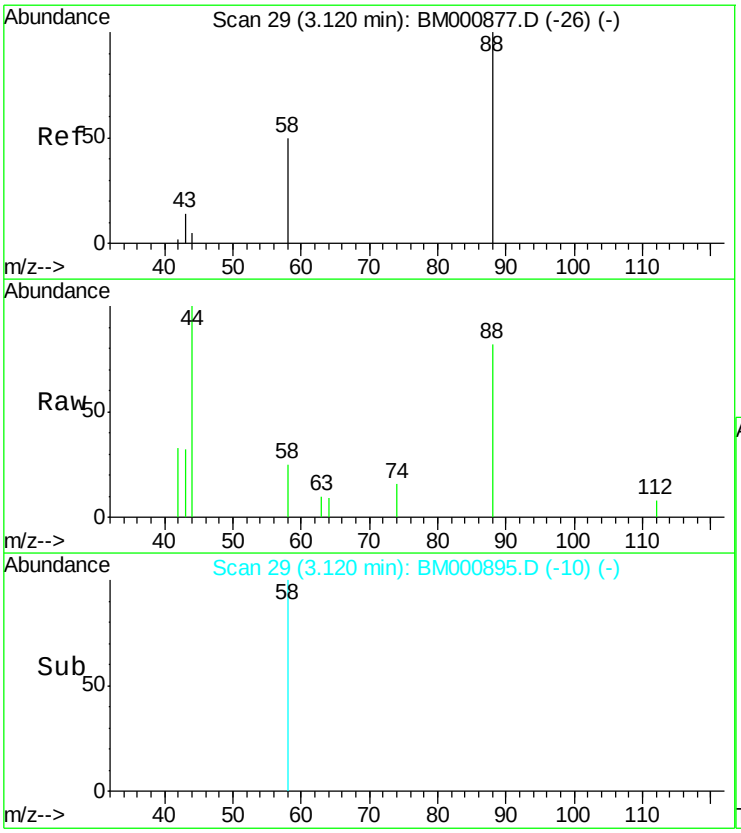
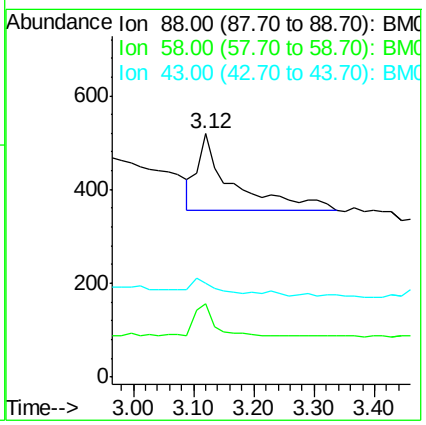
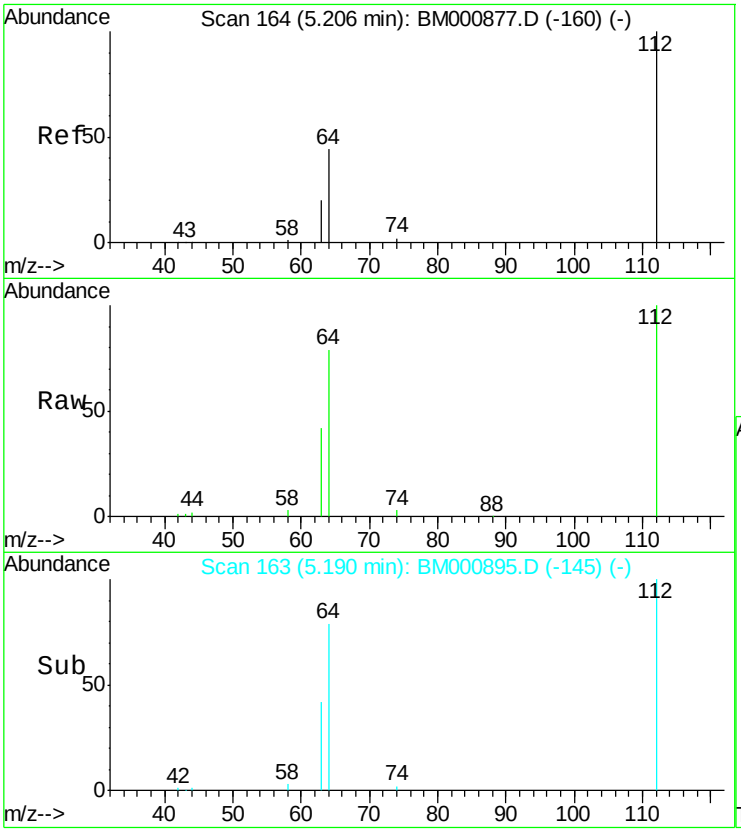


#2
1,4-Dioxane
Concen: 0.10 ng
RT: 3.12 min Scan# 29
Delta R.T. 0.00 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion: 88 Resp: 654

Ion	Ratio	Lower	Upper
88	100		
58	24.5	56.7	85.1#
43	0.0	25.0	37.6#





#4
2-Fluorophenol
Concen: 11.65 ng
RT: 5.19 min Scan# 163
Delta R.T. -0.02 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:112 Resp: 79400

Ion	Ratio	Lower	Upper
112	100		
64	79.4	35.7	53.5#
63	42.3	17.0	25.4#

Instrument :
BNA_M
ClientSampleId :
LOD-SOIL2015-01

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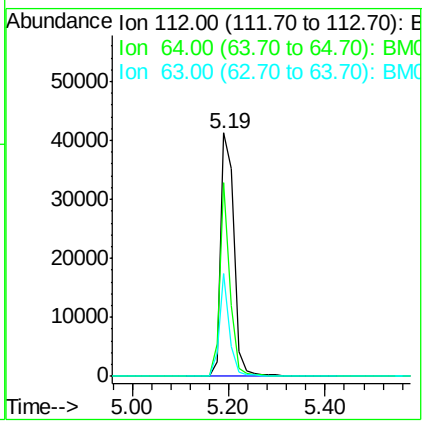
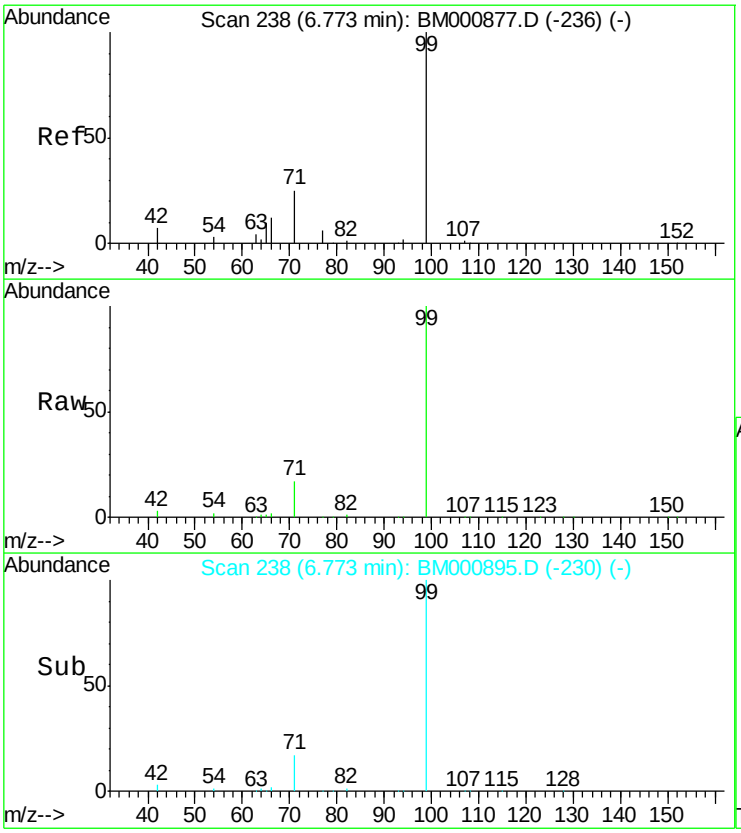
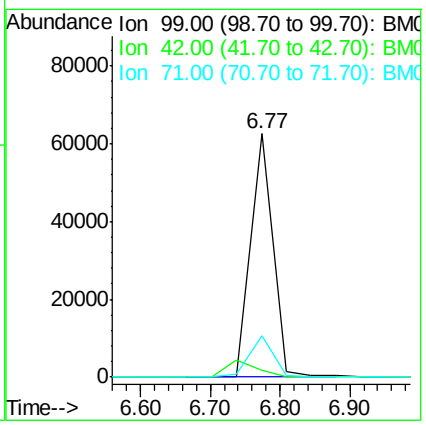


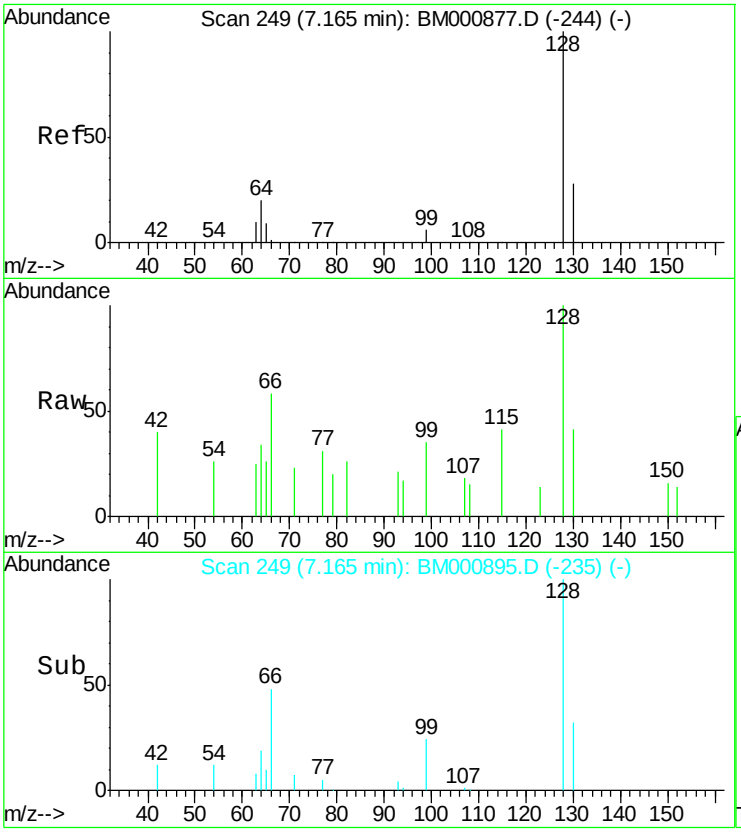


#5
Phenol-d6
Concen: 9.90 ng
RT: 6.77 min Scan# 238
Delta R.T. 0.00 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion: 99 Resp: 138012

Ion	Ratio	Lower	Upper
99	100		
42	2.9	7.5	11.3#
71	17.1	21.3	31.9#

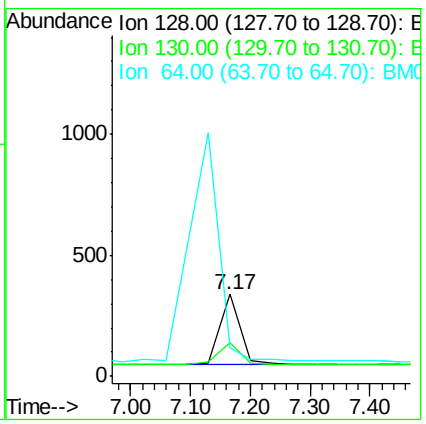




#6
2-Chlorophenol
Concen: 0.23 ng
RT: 7.17 min Scan# 249
Delta R.T. 0.00 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:128 Resp: 669

Ion	Ratio	Lower	Upper
128	100		
130	41.5	9.4	49.4
64	34.4	2.1	42.1



Instrument :
BNA_M
ClientSampleId :
LOD-SOIL2015-01

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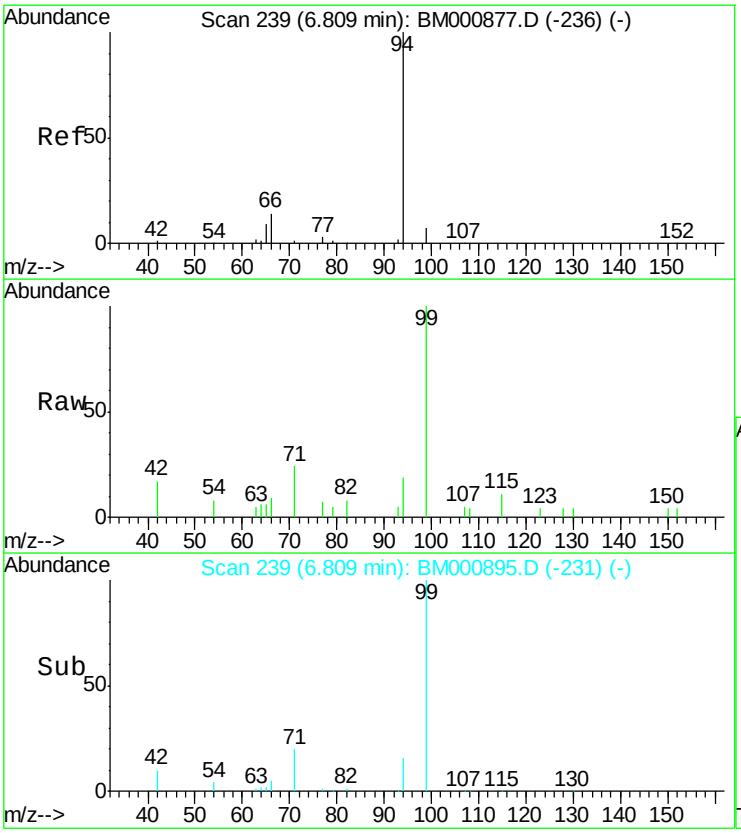
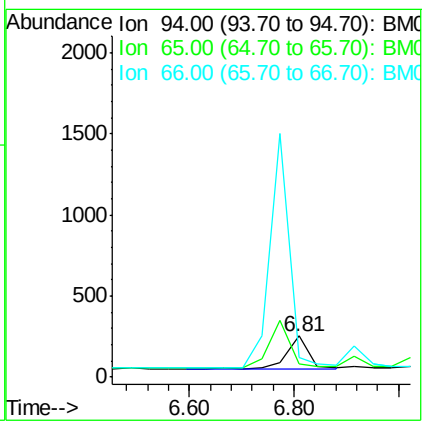
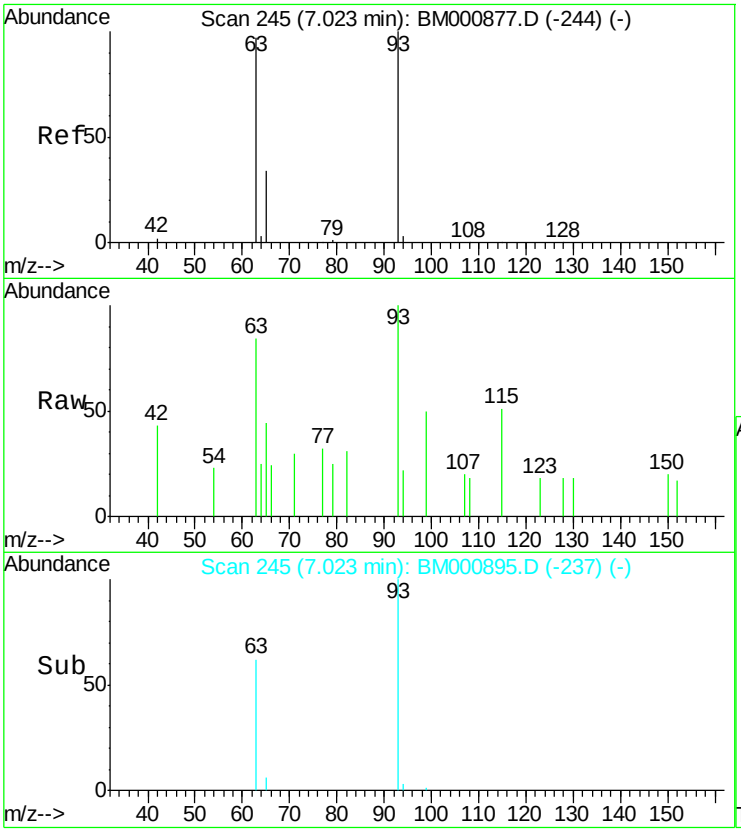


#7
Phenol
Concen: 0.07 ng
RT: 6.81 min Scan# 239
Delta R.T. -0.00 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion: 94 Resp: 560

Ion	Ratio	Lower	Upper
94	100		
65	32.5	0.0	30.9#
66	47.6	0.0	35.8#

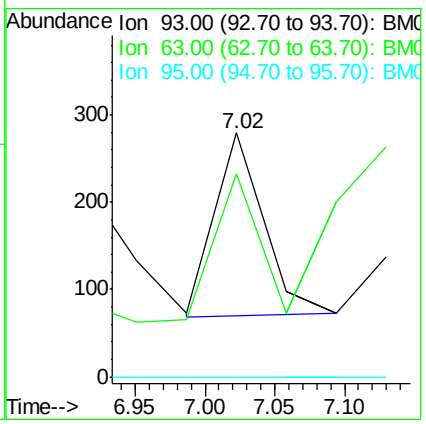




#8
bis(2-Chloroethyl)ether
Concen: 0.24 ng
RT: 7.02 min Scan# 245
Delta R.T. 0.00 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion: 93 Resp: 509

Ion	Ratio	Lower	Upper
93	100		
63	83.5	73.3	113.3
95	0.0	0.0	20.0



Instrument :
BNA_M
ClientSampleId :
LOD-SOIL2015-01

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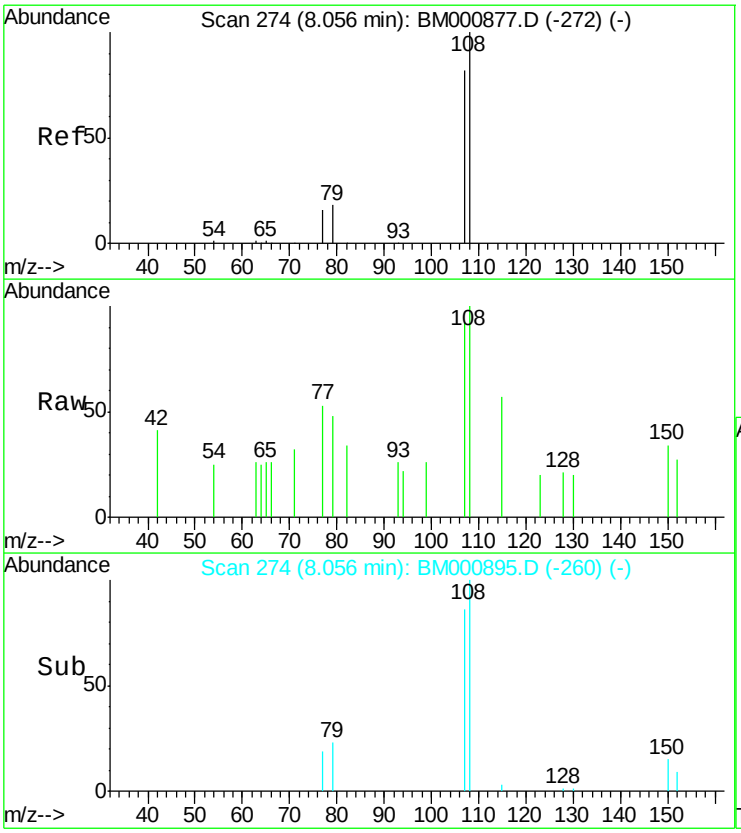
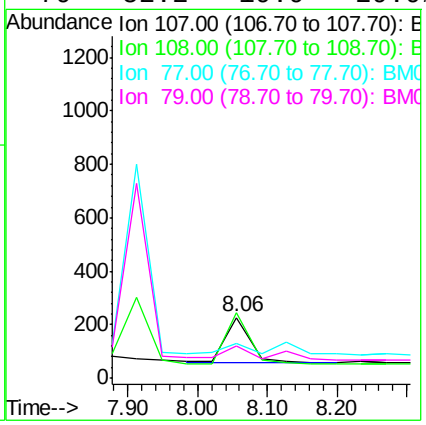
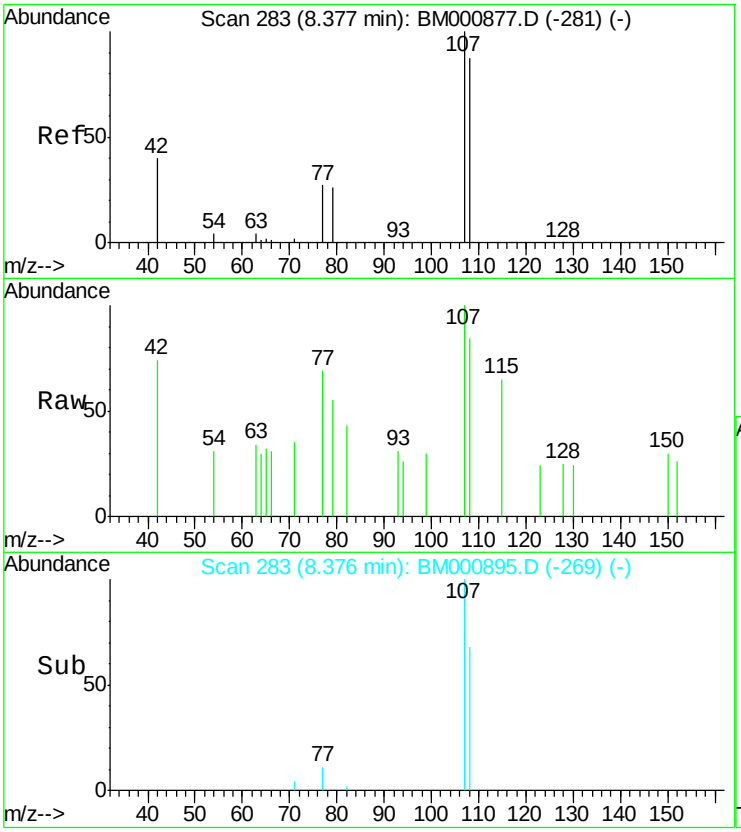


#9
2-Methylphenol
Concen: 0.06 ng
RT: 8.06 min Scan# 274
Delta R.T. -0.00 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:107 Resp: 400

Ion	Ratio	Lower	Upper
107	100		
108	108.8	96.7	145.1
77	58.0	18.3	27.5#
79	52.2	19.9	29.9#

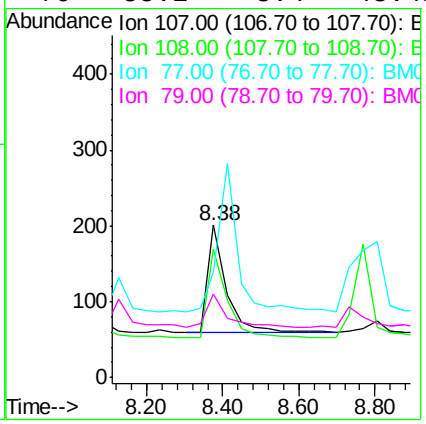




#10
3+4-Methylphenols
Concen: 0.27 ng
RT: 8.38 min Scan# 283
Delta R.T. 0.00 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:107 Resp: 496

Ion	Ratio	Lower	Upper
107	100		
108	84.1	67.6	107.6
77	69.2	10.0	50.0#
79	55.2	8.4	48.4#



Instrument :
BNA_M
ClientSampleId :
LOD-SOIL2015-01

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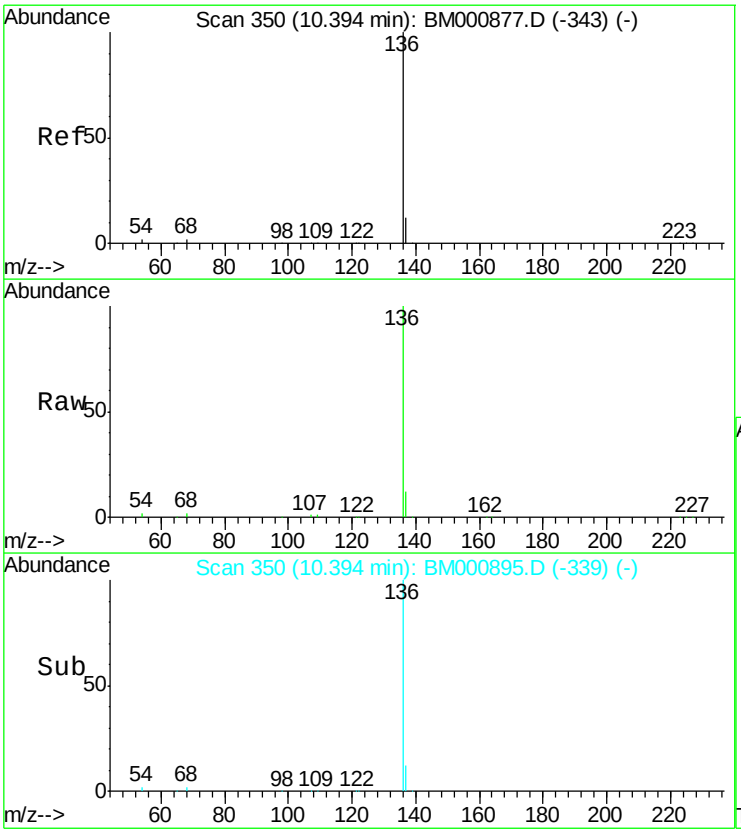
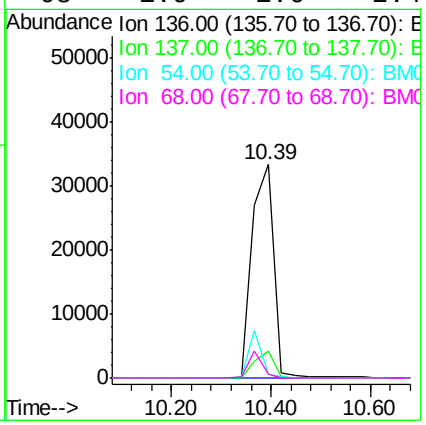
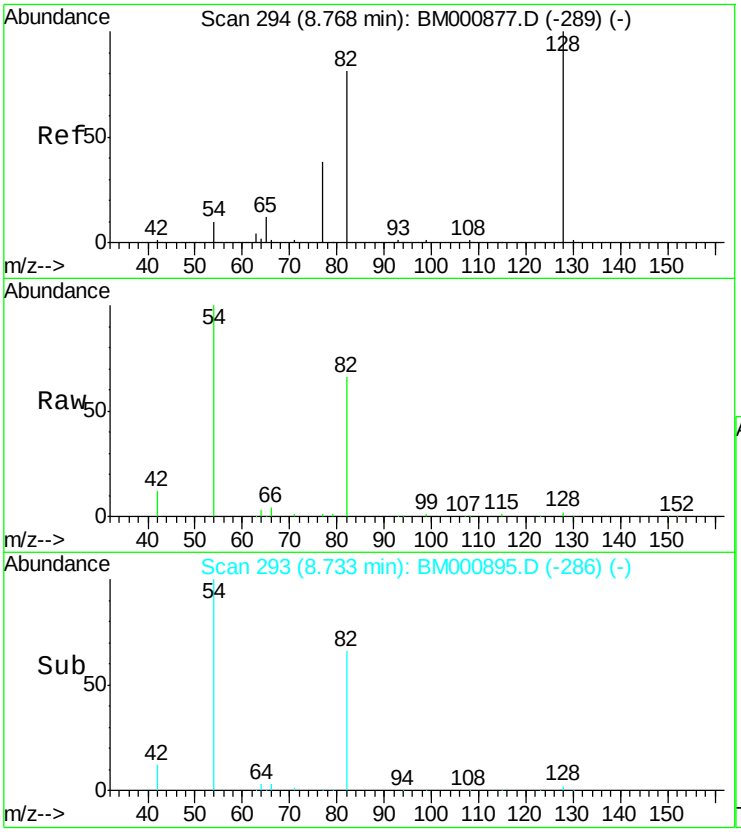


#11
Naphthalene-d8
Concen: 5.00 ng
RT: 10.39 min Scan# 350
Delta R.T. -0.00 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:136 Resp: 100846

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.6	14.4
54	1.8	1.5	2.3
68	1.9	1.6	2.4





#12
Nitrobenzene-d5
Concen: 7.69 ng
RT: 8.73 min Scan# 293
Delta R.T. -0.04 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion: 82 Resp: 38679

Ion	Ratio	Lower	Upper
82	100		
128	3.4	96.2	144.2#
54	151.5	15.0	22.6#

Instrument :
BNA_M
ClientSampleId :
LOD-SOIL2015-01

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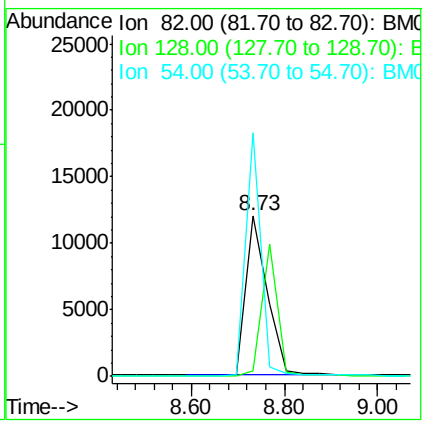
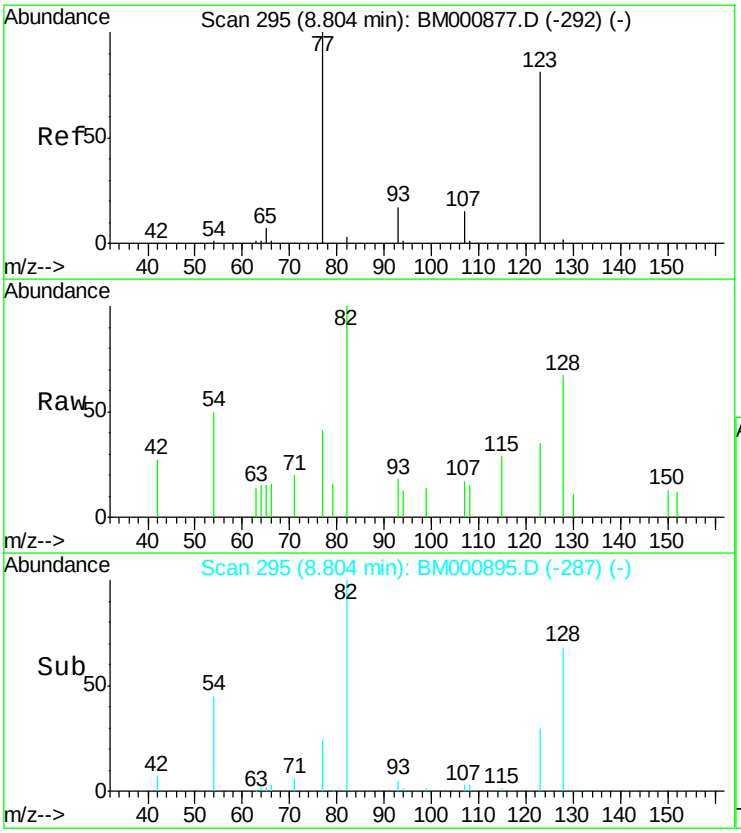
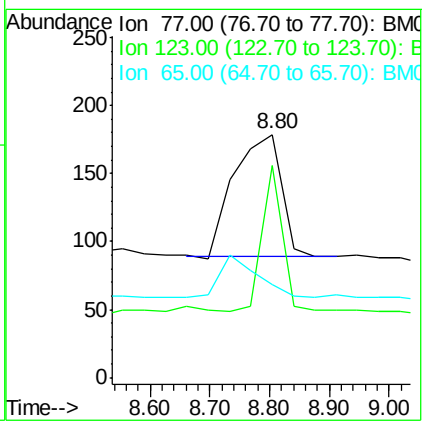


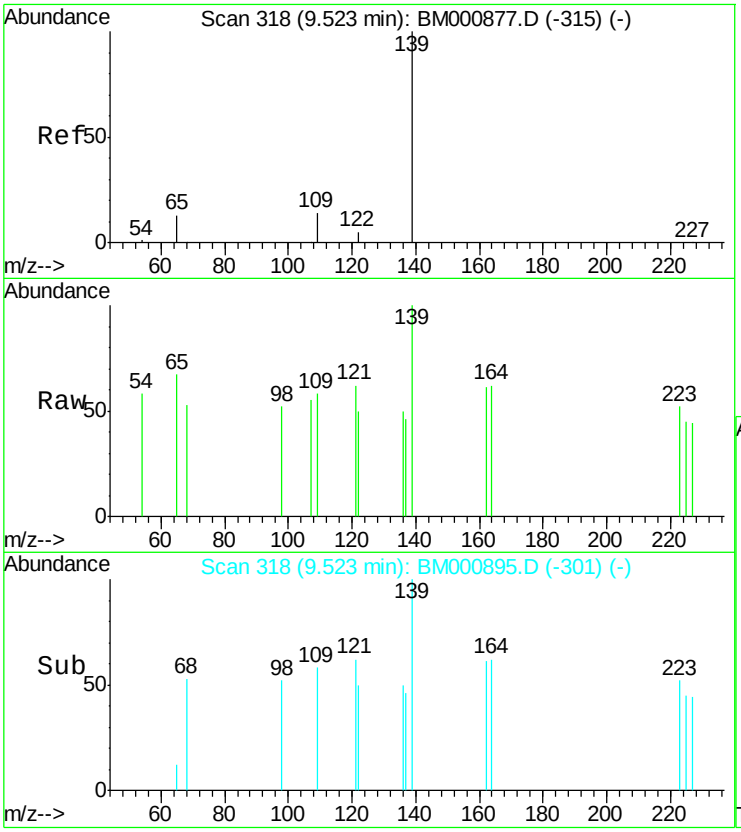


#13
Nitrobenzene
Concen: 0.10 ng
RT: 8.80 min Scan# 295
Delta R.T. -0.00 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion: 77 Resp: 492

Ion	Ratio	Lower	Upper
77	100		
123	87.2	64.0	96.0
65	38.0	8.7	13.1#





#14
2-Nitrophenol
Concen: 0.17 ng m
RT: 9.52 min Scan# 318
Delta R.T. 0.00 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:139 Resp: 149

Ion	Ratio	Lower	Upper
139	100		
109	58.3	15.8	23.8#
65	66.7	16.2	24.2#

Instrument :
BNA_M
ClientSampleId :
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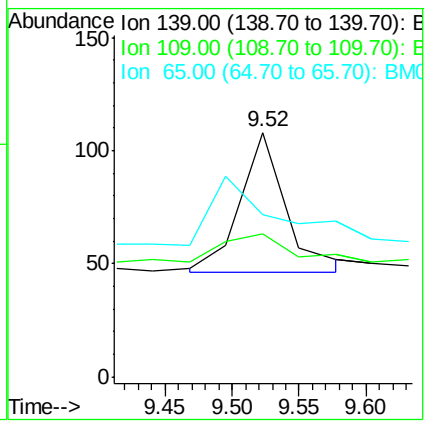
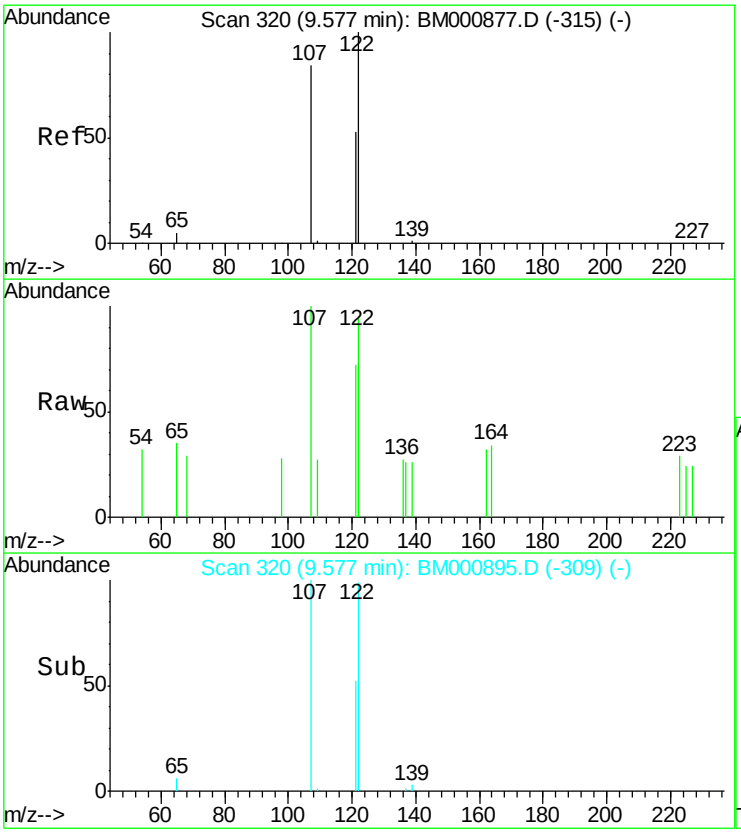
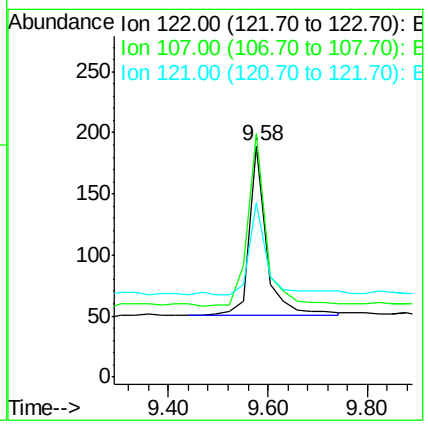


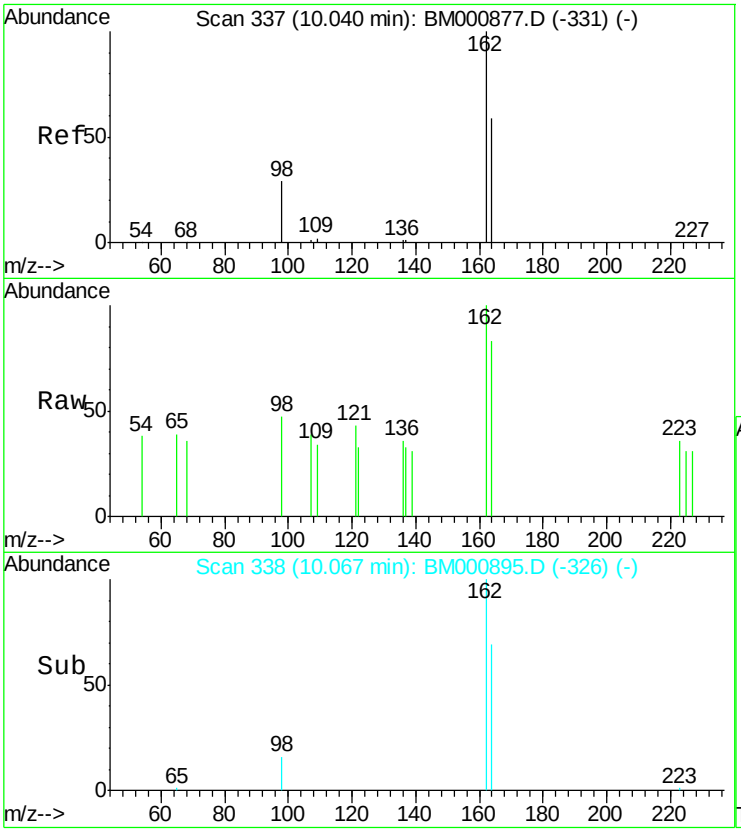


#15
2,4-Dimethylphenol
Concen: 0.06 ng
RT: 9.58 min Scan# 320
Delta R.T. -0.00 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:122 Resp: 328

Ion	Ratio	Lower	Upper
122	100		
107	105.3	67.4	101.2#
121	75.7	43.5	65.3#

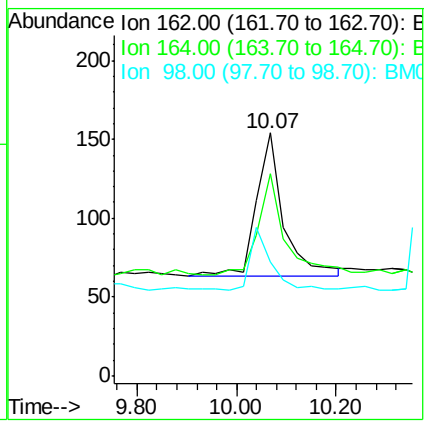




#16
2,4-Dichlorophenol
Concen: 0.27 ng
RT: 10.07 min Scan# 338
Delta R.T. 0.03 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:162 Resp: 351

Ion	Ratio	Lower	Upper
162	100		
164	83.1	39.9	79.9#
98	46.8	11.3	51.3



Instrument :
BNA_M
ClientSampleId :
LOD-SOIL2015-01

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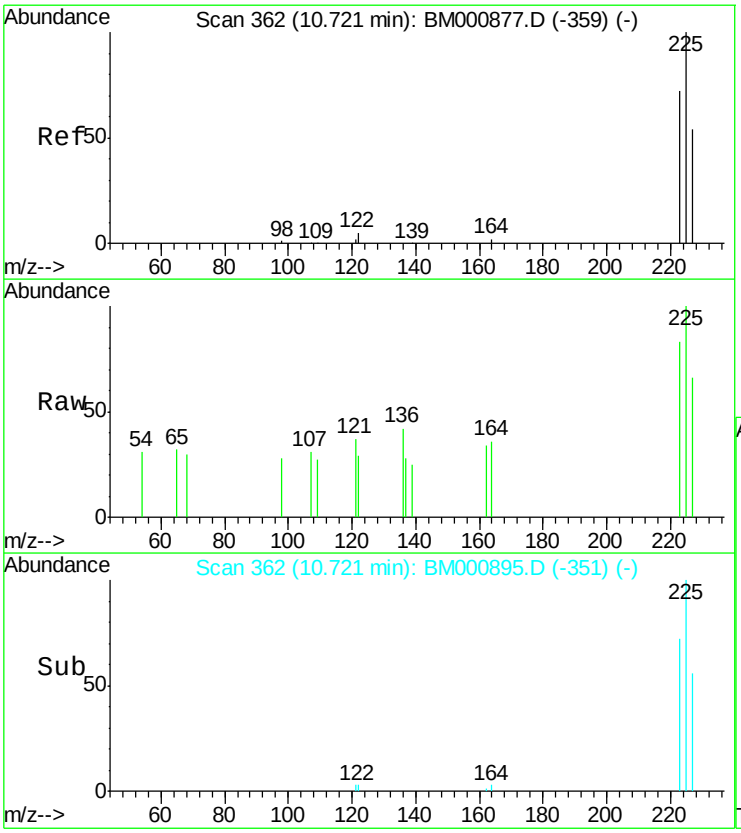
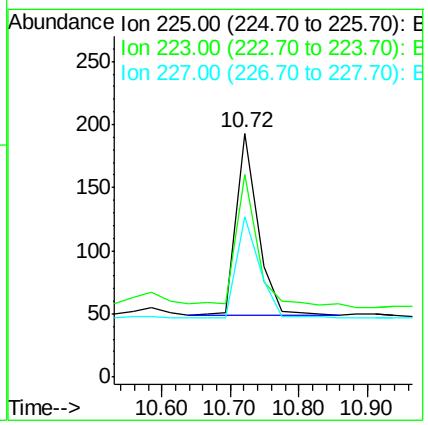
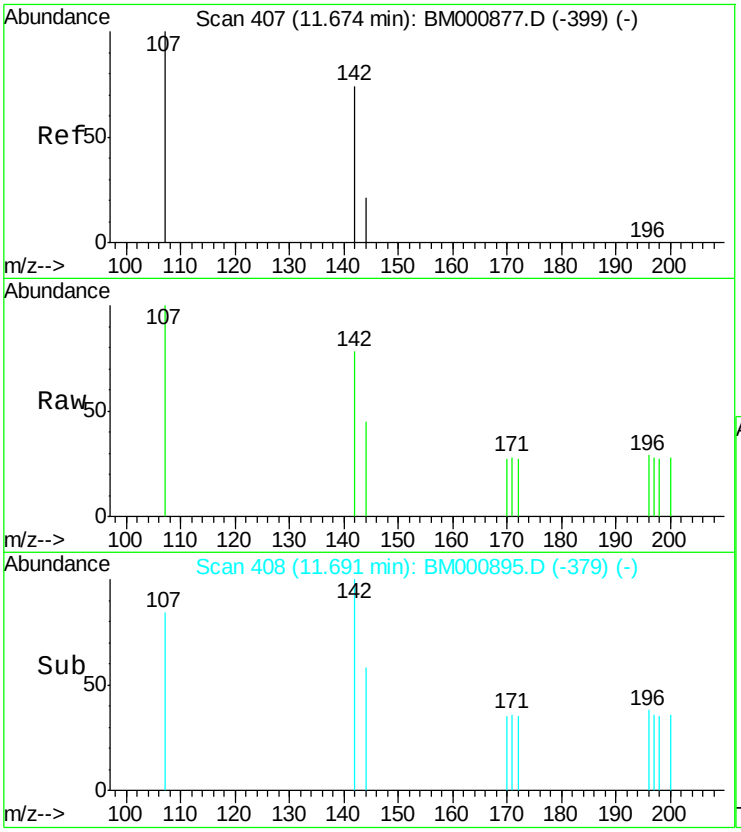


#17
Hexachlorobutadiene
Concen: 0.07 ng
RT: 10.72 min Scan# 362
Delta R.T. -0.00 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:225 Resp: 312

Ion	Ratio	Lower	Upper
225	100		
223	82.9	58.3	87.5
227	65.8	44.5	66.7

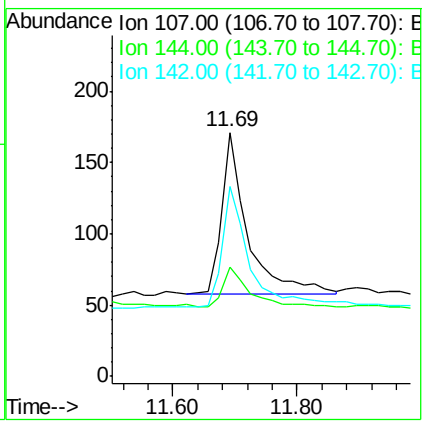




#18
4-Chloro-3-methylphenol
Concen: 0.26 ng
RT: 11.69 min Scan# 408
Delta R.T. 0.02 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:107 Resp: 324

Ion	Ratio	Lower	Upper
107	100		
144	45.0	18.4	27.6#
142	77.8	59.9	89.9



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ClientSampleId :
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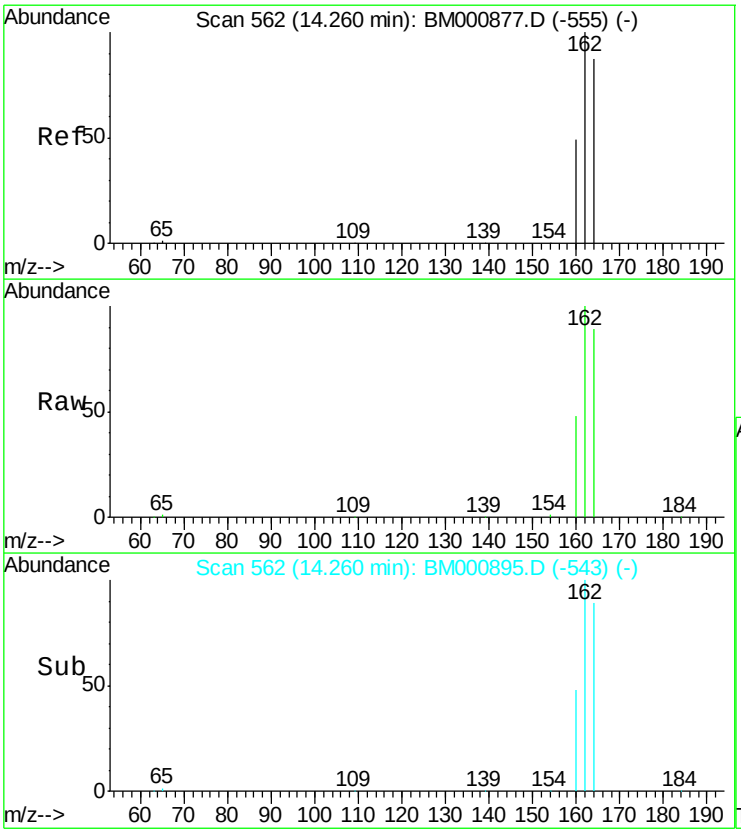
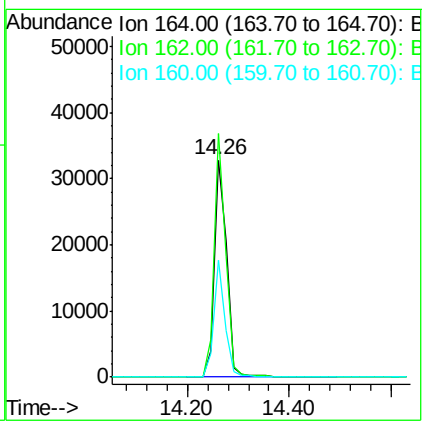
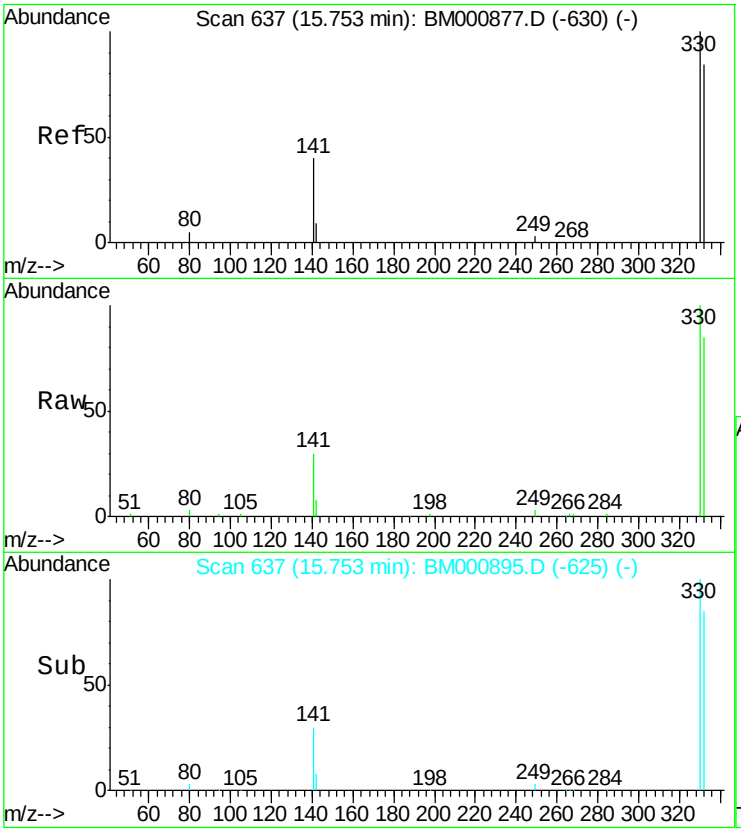


#19
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.26 min Scan# 562
Delta R.T. -0.00 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:164 Resp: 55525

Ion	Ratio	Lower	Upper
164	100		
162	112.1	91.8	137.6
160	53.9	44.6	67.0





#20
2,4,6-Tribromophenol
Concen: 9.82 ng
RT: 15.75 min Scan# 637
Delta R.T. 0.00 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:330 Resp: 22857

Ion	Ratio	Lower	Upper
330	100		
332	91.6	72.6	109.0
141	35.2	29.8	44.6

Instrument :
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ClientSampleId :
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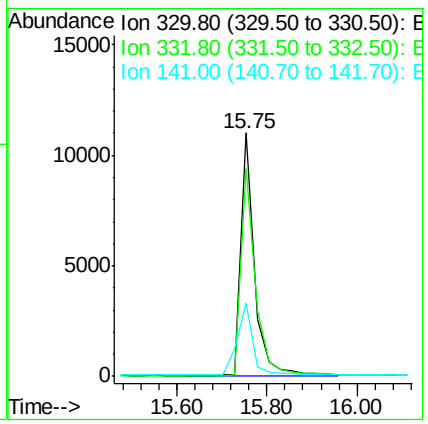
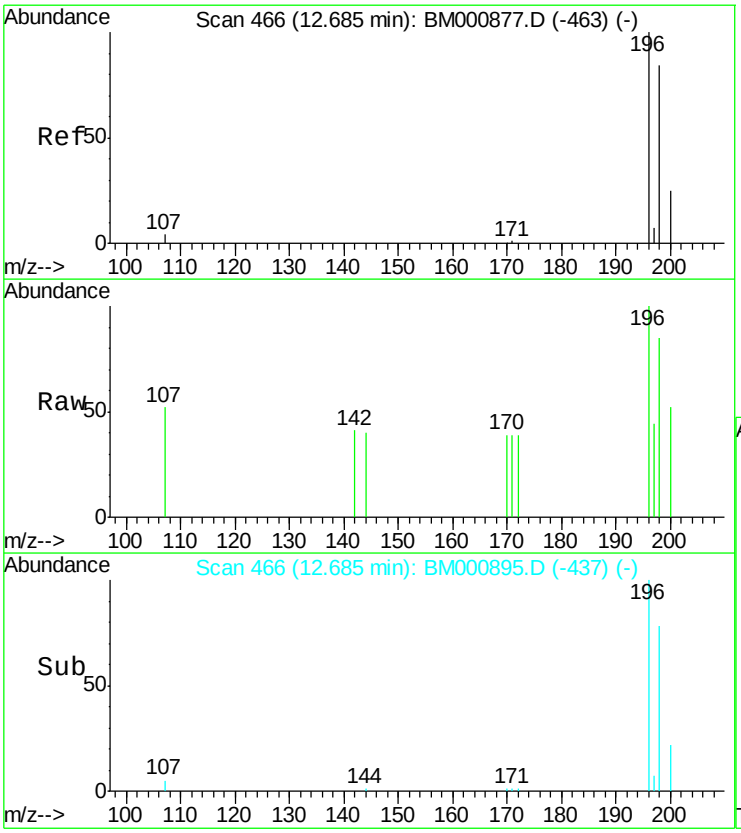
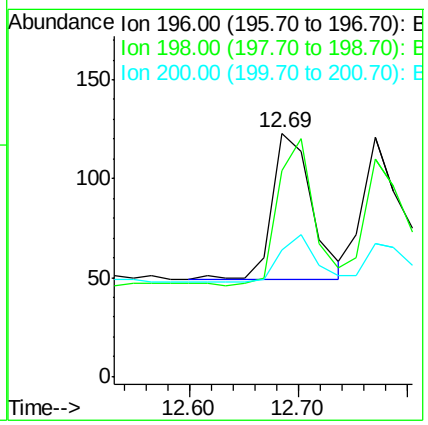


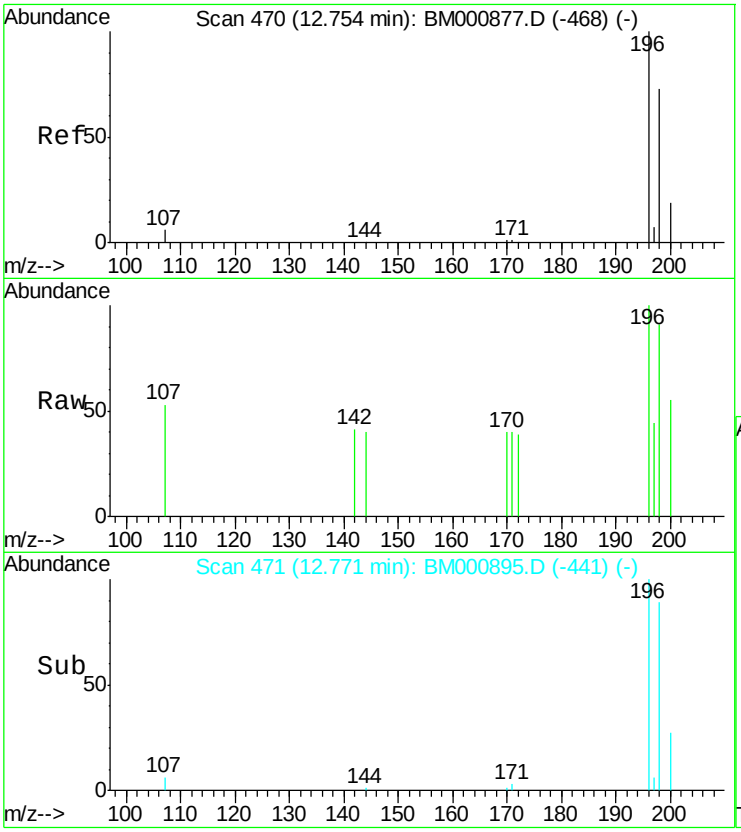


#21
2,4,6-Trichlorophenol
Concen: 0.28 ng
RT: 12.69 min Scan# 466
Delta R.T. 0.00 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:196 Resp: 188

Ion	Ratio	Lower	Upper
196	100		
198	84.6	67.5	101.3
200	52.0	22.1	33.1#

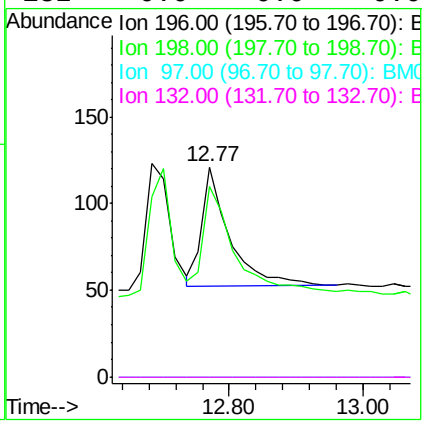




#22
2,4,5-Trichlorophenol
Concen: 0.23 ng
RT: 12.77 min Scan# 471
Delta R.T. 0.02 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:196 Resp: 197

Ion	Ratio	Lower	Upper
196	100		
198	90.9	62.7	94.1
97	0.0	0.0	0.0
132	0.0	0.0	0.0



Instrument :
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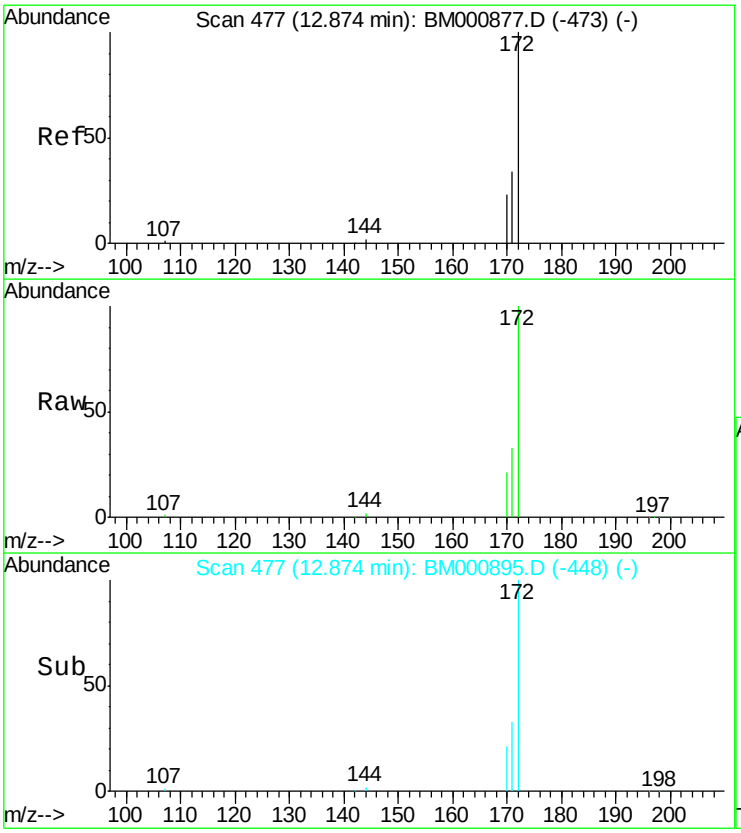
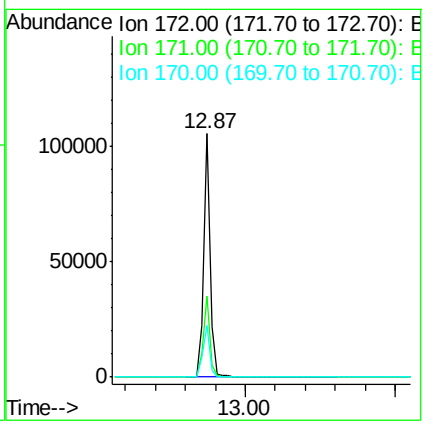
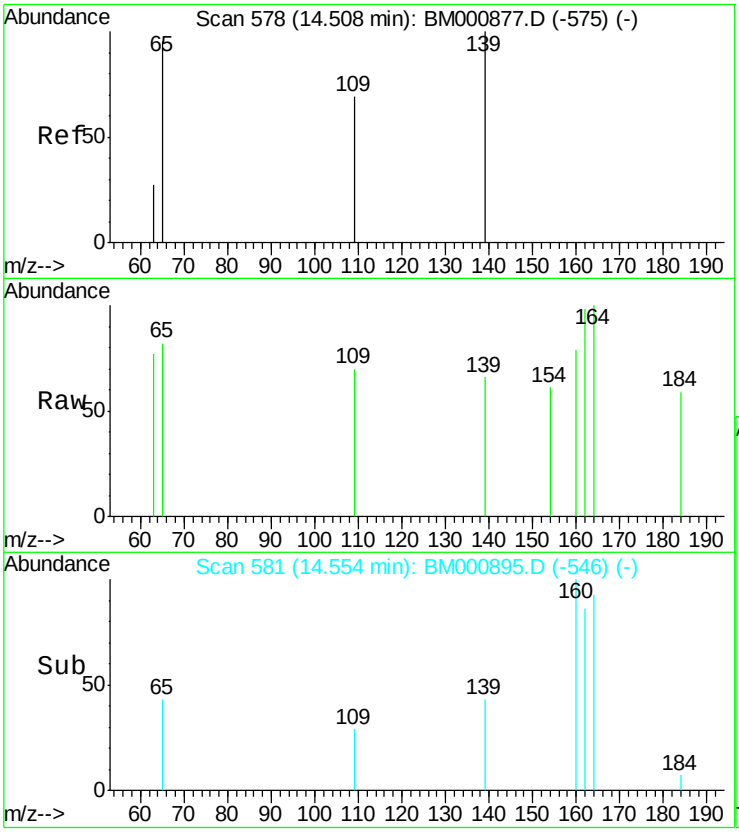


#23
2-Fluorobiphenyl
Concen: 9.30 ng
RT: 12.87 min Scan# 477
Delta R.T. -0.00 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:172 Resp: 159218

Ion	Ratio	Lower	Upper
172	100		
171	33.1	27.8	41.8
170	21.3	19.0	28.6

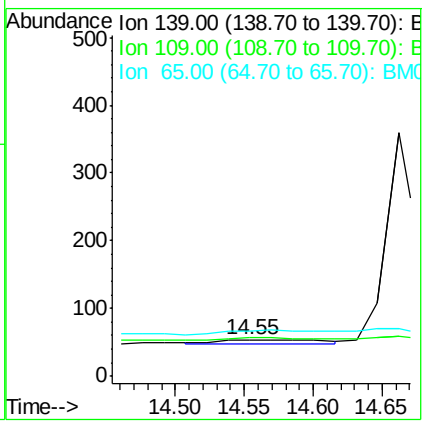




#25
4-Nitrophenol
Concen: 0.13 ng m
RT: 14.55 min Scan# 581
Delta R.T. 0.05 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:139 Resp: 30

Ion	Ratio	Lower	Upper
139	100		
109	105.6	58.4	98.4#
65	124.1	87.7	127.7



Instrument :
BNA_M
ClientSampleId :
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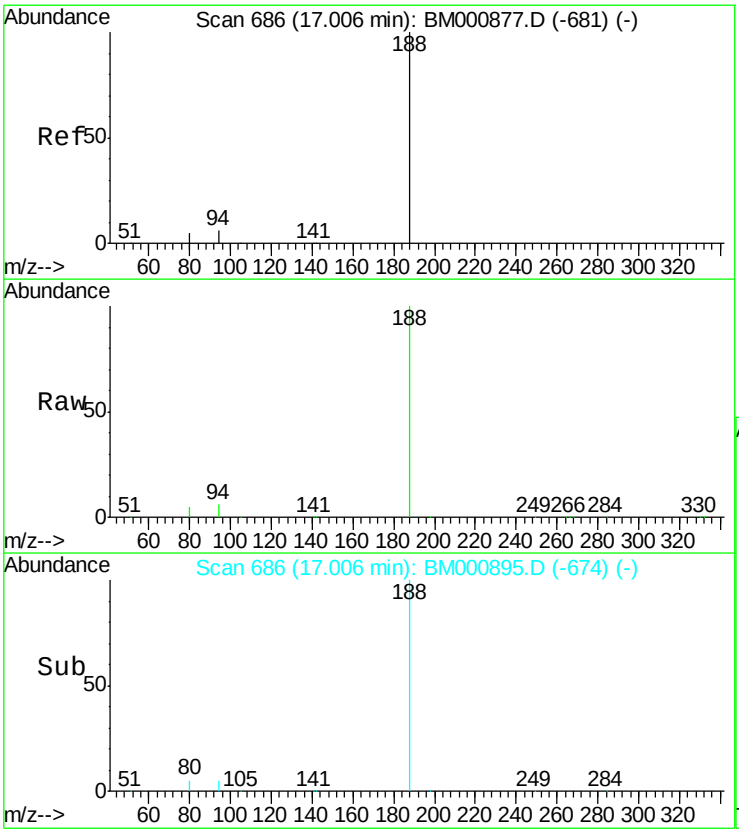
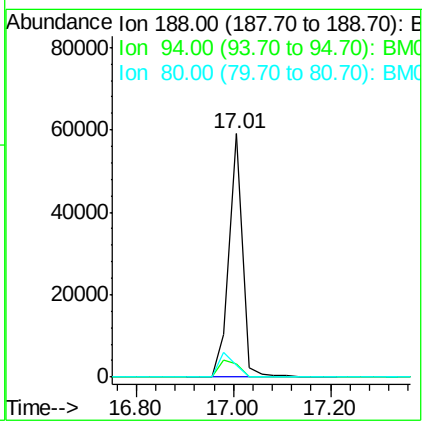
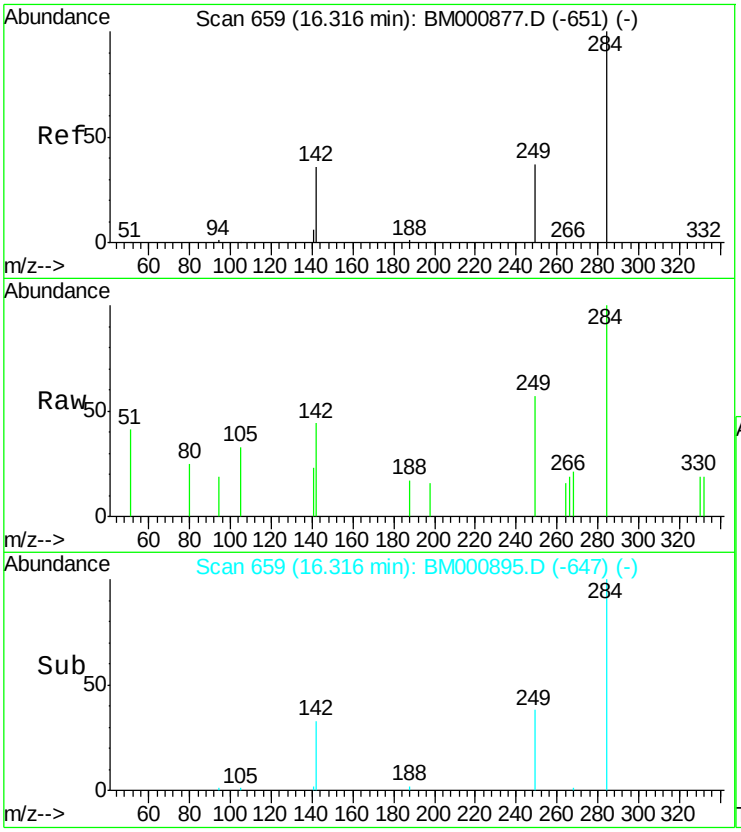


#26
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.01 min Scan# 686
Delta R.T. -0.00 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:188 Resp: 113217

Ion	Ratio	Lower	Upper
188	100		
94	5.5	4.9	7.3
80	5.0	4.4	6.6

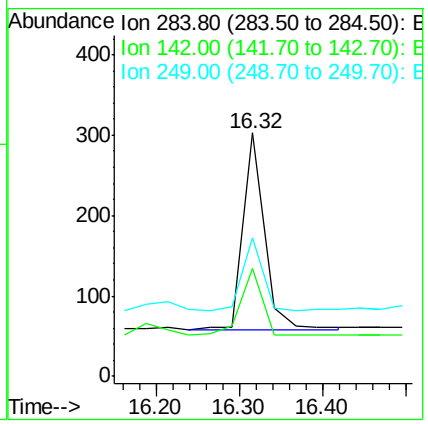




#28
Hexachlorobenzene
Concen: 0.05 ng
RT: 16.32 min Scan# 659
Delta R.T. -0.00 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:284 Resp: 443

Ion	Ratio	Lower	Upper
284	100		
142	44.2	29.8	44.8
249	56.8	31.0	46.4#



Instrument :
BNA_M
ClientSampleId :
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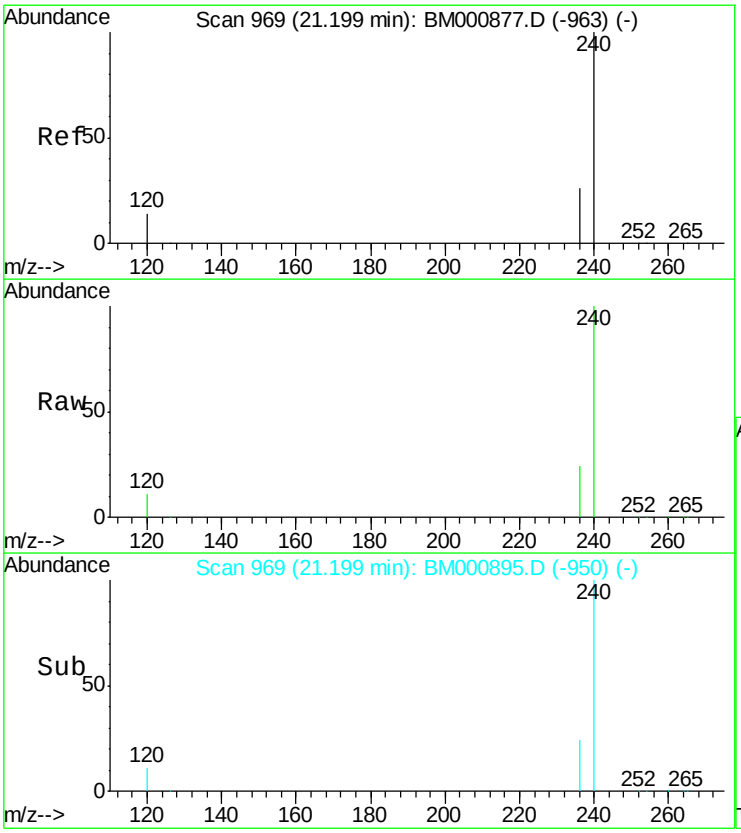
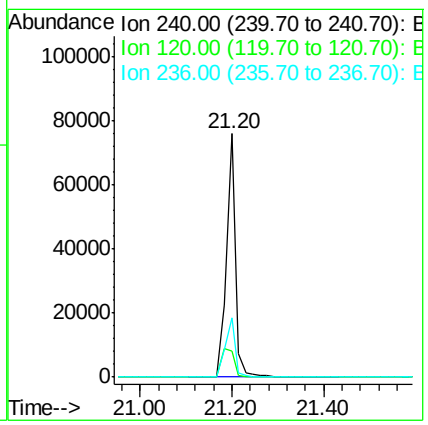
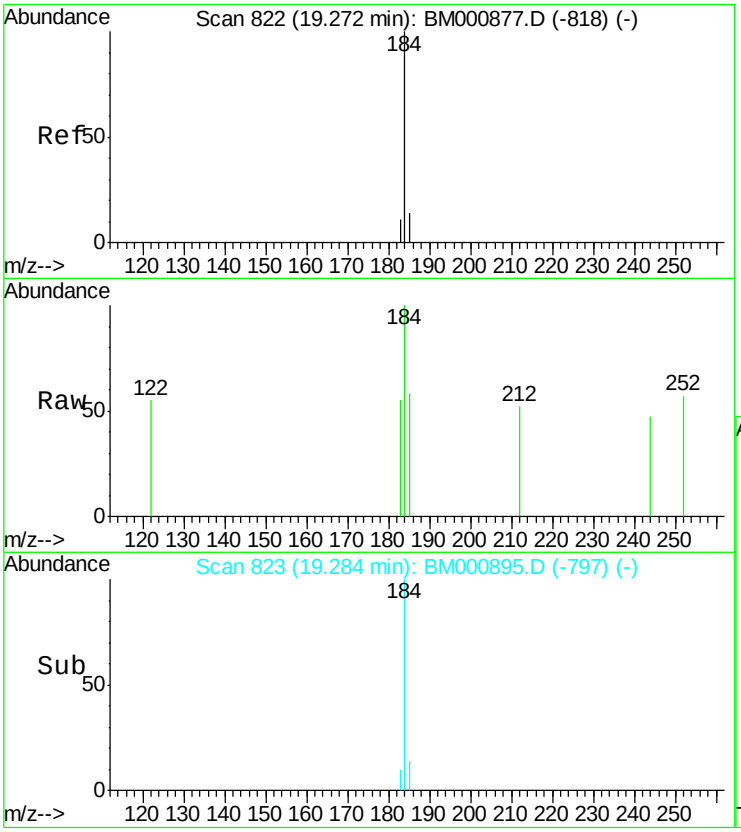


#30
Chrysene-d12
Concen: 5.00 ng
RT: 21.20 min Scan# 969
Delta R.T. -0.00 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:240 Resp: 102352

Ion	Ratio	Lower	Upper
240	100		
120	10.9	11.1	16.7#
236	24.4	20.9	31.3

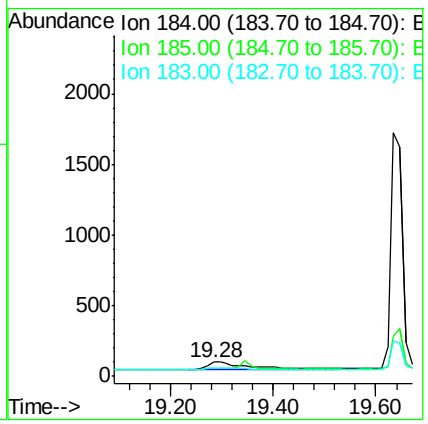




#31
Benzidine
Concen: 0.06 ng
RT: 19.28 min Scan# 823
Delta R.T. 0.01 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:184 Resp: 299

Ion	Ratio	Lower	Upper
184	100		
185	58.0	14.4	21.6#
183	55.0	12.6	19.0#



Instrument :
BNA_M
ClientSampleId :
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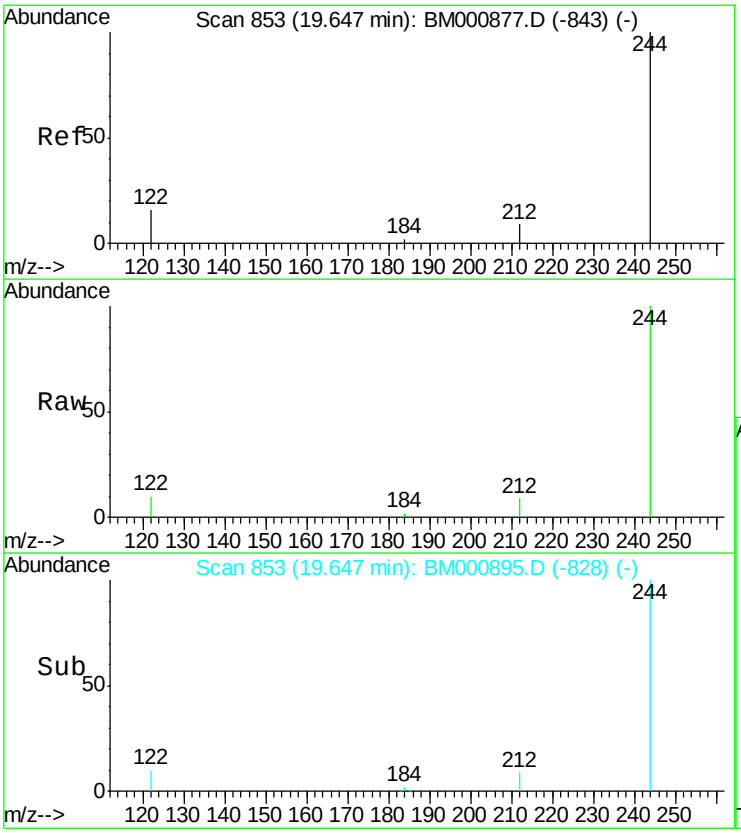
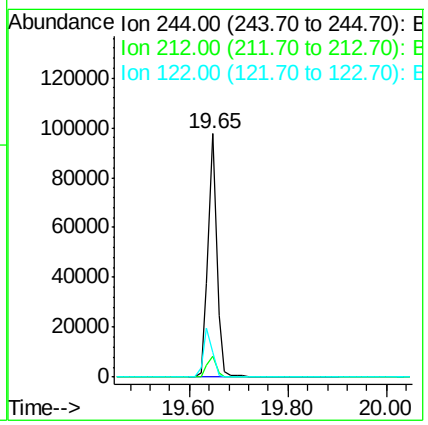
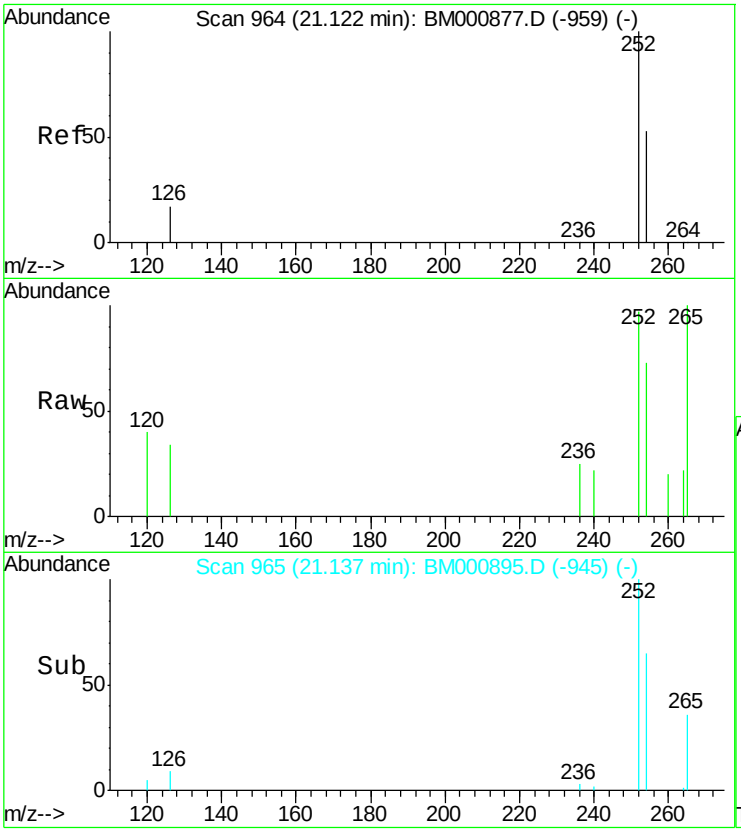


#32
Terphenyl-d14
Concen: 9.61 ng
RT: 19.65 min Scan# 853
Delta R.T. -0.00 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:244 Resp: 121360

Ion	Ratio	Lower	Upper
244	100		
212	8.8	8.1	12.1
122	9.9	13.6	20.4#

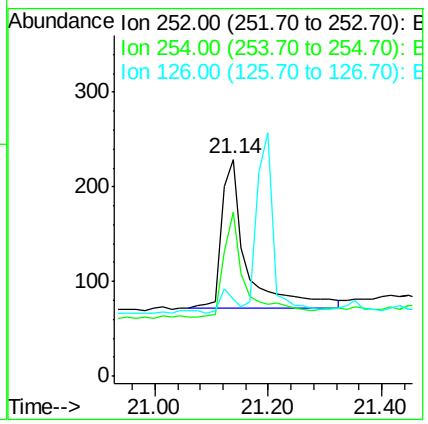




#33
3,3'-Dichlorobenzidine
Concen: 0.07 ng
RT: 21.14 min Scan# 965
Delta R.T. 0.02 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:252 Resp: 479

Ion	Ratio	Lower	Upper
252	100		
254	75.5	43.2	64.8#
126	35.4	15.5	23.3#



Instrument :
BNA_M
ClientSampleId :
LOD-SOIL2015-01

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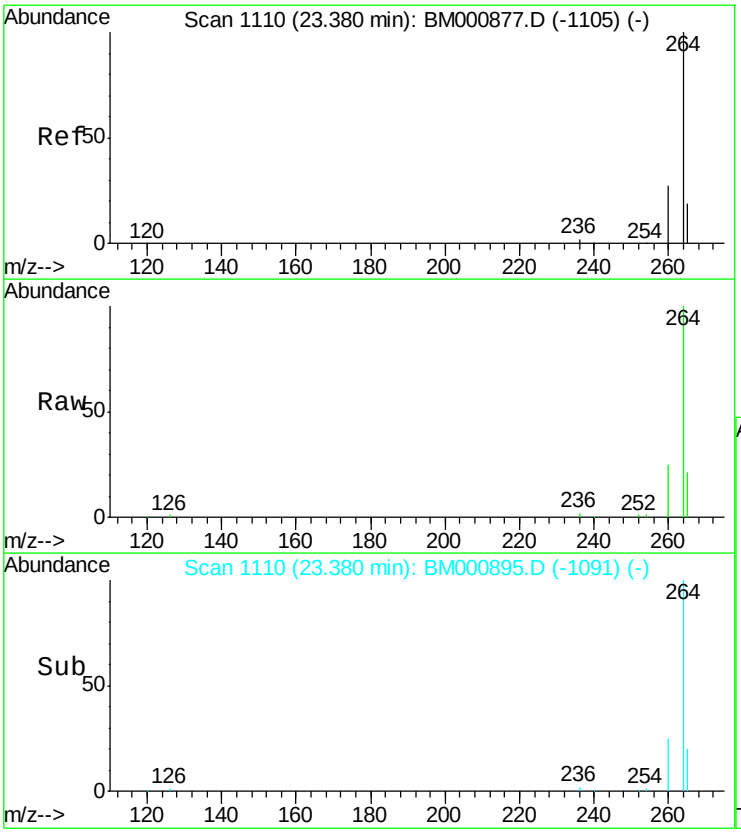

#34
Perylene-d12
Concen: 5.00 ng
RT: 23.38 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BM000895.D
Acq: 08 Apr 2015 01:22

Tgt Ion:264 Resp: 91767

Ion	Ratio	Lower	Upper
264	100		
260	25.4	21.6	32.4
265	20.9	16.1	24.1