Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120715\
Data File : BM003401.D
Acq On : 07 Dec 2015 10:52
Operator : UM/IZ
Sample : SSTDICC0.5
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
Mmdadoda
12/8/2015 6:14:38 PM

Quant Time: Dec 07 14:43:42 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-BM120715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 07 13:12:17 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	66343	5.00	ng		0.00
11) Naphthalene-d8	10.52	136	225775	5.00	ng		0.00
20) Acenaphthene-d10	14.37	164	103496	5.00	ng		0.00
27) Phenanthrene-d10	17.12	188	169940	5.00	ng		0.00
31) Chrysene-d12	21.31	240	210972	5.00	ng		0.00
35) Perylene-d12	23.58	264	152404	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.31	112	5414	0.48	ng		0.00
5) Phenol-d6	6.88	99	7248	0.48	ng		0.00
12) Nitrobenzene-d5	8.88	82	5573	0.49	ng		0.02
21) 2,4,6-Tribromophenol	15.85	330	1145	0.53	ng		0.00
24) 2-Fluorobiphenyl	13.00	172	19061	0.50	ng		0.00
33) Terphenyl-d14	19.75	244	12711	0.43	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.22	88	2987	0.46	ng	#	54
3) n-Nitrosodimethylamine	3.53	42	2693	0.52	ng	#	1
6) 2-Chlorophenol	7.29	128	6848	0.48	ng		88
7) Phenol	6.91	94	7553	0.47	ng		94
8) bis(2-Chloroethyl)ether	7.15	93	5754	0.47	ng	#	39
9) 2-Methylphenol	8.17	107	4195	0.47	ng		95
10) 3+4-Methylphenols	8.48	107	6015	0.47	ng	#	36
13) Nitrobenzene	8.91	77	5552	0.48	ng	#	44
14) 2-Nitrophenol	9.65	139	2189	0.47	ng	#	84
15) 2,4-Dimethylphenol	9.69	122	5264	0.47	ng	#	68
16) 2,4-Dichlorophenol	10.16	162	4989m	0.48	ng		
17) Hexachlorobutadiene	10.84	225	4103	0.48	ng		97
18) 4-Chloro-3-methylphenol	11.80	107	4004	0.45	ng	#	11
19) 2-Methylnaphthalene	12.18	142	16836	0.47	ng		94
22) 2,4,6-Trichlorophenol	12.80	196	3165m	0.49	ng		
23) 2,4,5-Trichlorophenol	12.86	196	3262m	0.52	ng		
25) 2,4-Dinitrophenol	14.49	184	187	0.36	ng	#	49
26) 4-Nitrophenol	14.60	139	1236m	0.58	ng		
28) 4,6-Dinitro-2-methylphenol	15.50	198	1025m	0.61	ng		
29) Hexachlorobenzene	16.42	284	3711	0.51	ng	#	11
30) Pentachlorophenol	16.78	266	828	0.45	ng		91
32) Benzidine	19.38	184	5023	0.43	ng	#	95
34) 3,3'-Dichlorobenzidine	21.24	252	5231	0.47	ng	#	98

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120715\
Data File : BM003401.D
Acq On : 07 Dec 2015 10:52
Operator : UM/IZ
Sample : SSTDICC0.5
Misc :
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Quant Time: Dec 07 14:43:42 2015
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Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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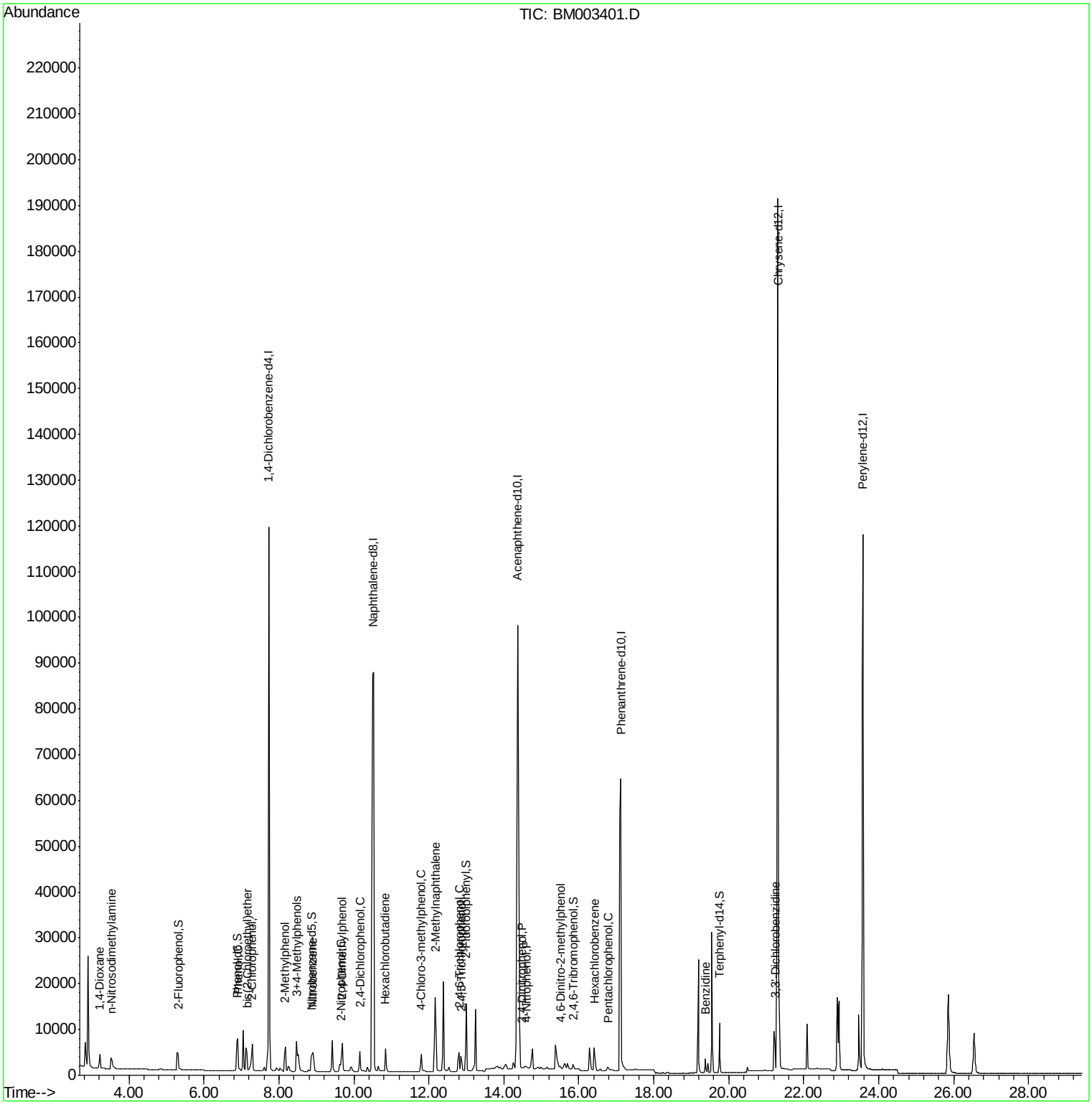
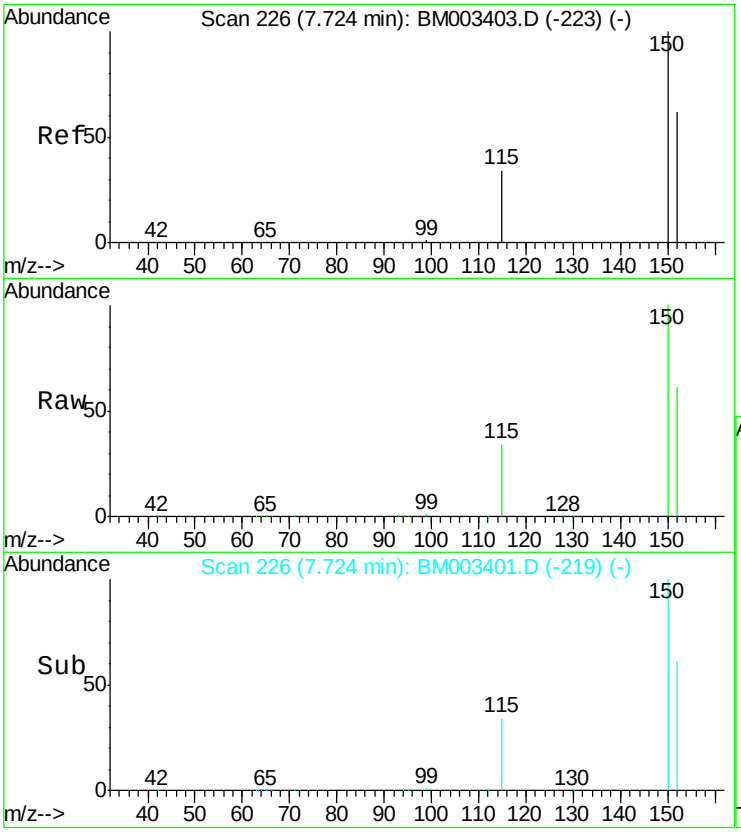
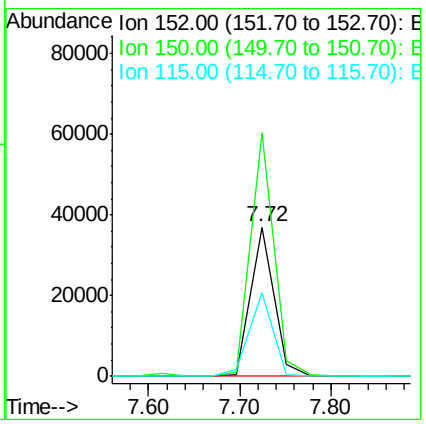




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.72 min Scan# 226
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:152 Resp: 66343

Ion	Ratio	Lower	Upper
152	100		
150	162.8	116.3	174.5
115	55.5	31.9	47.9#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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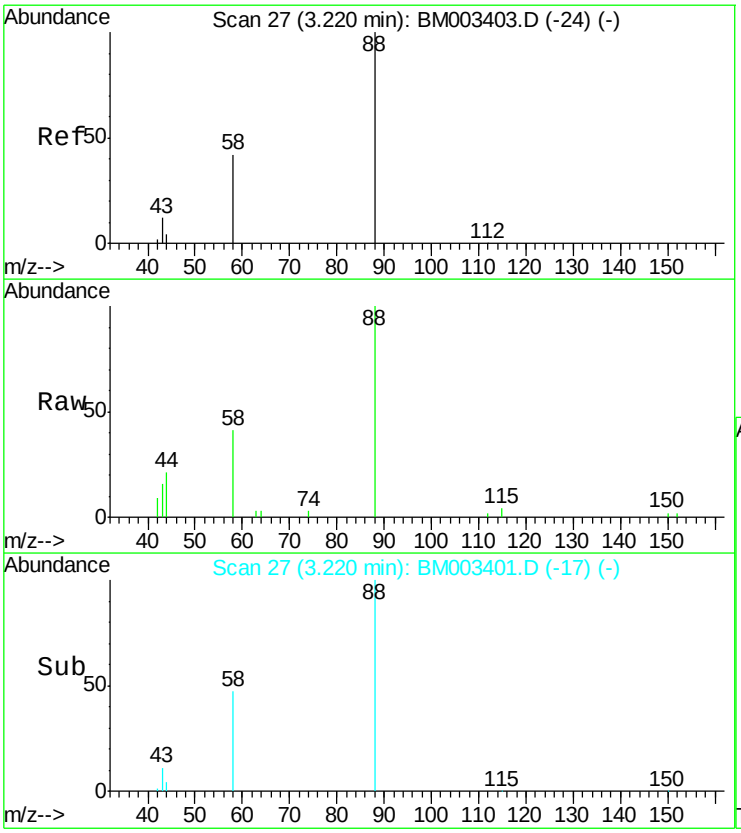
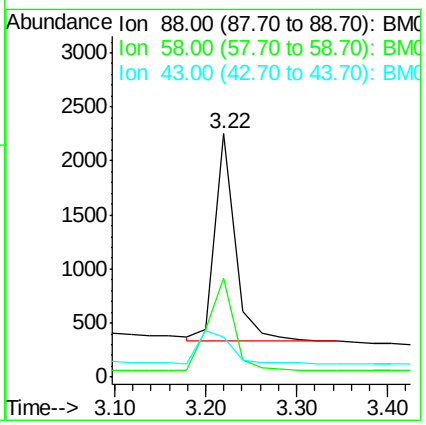
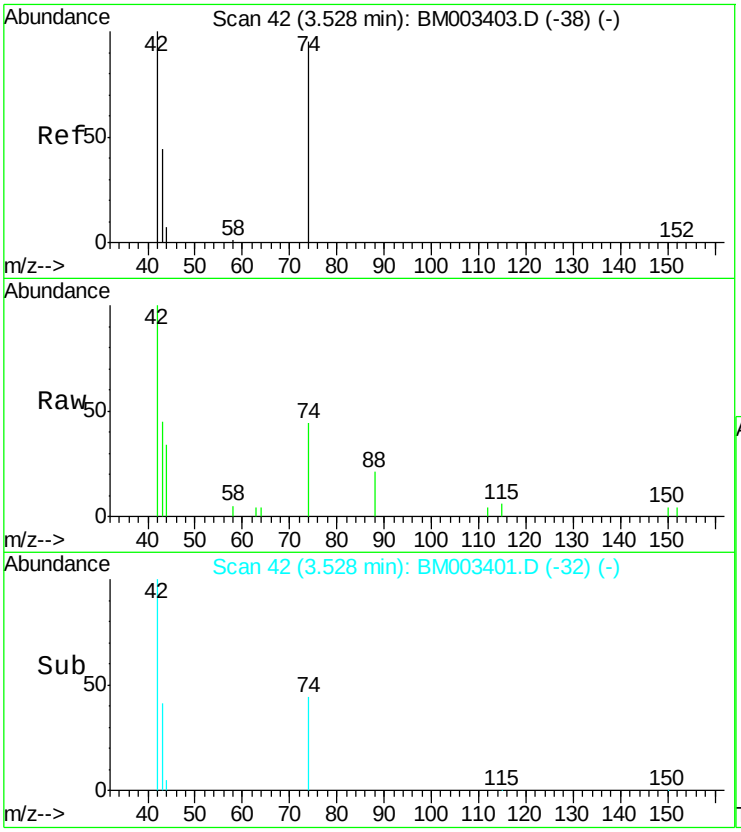


#2
1,4-Dioxane
Concen: 0.46 ng
RT: 3.22 min Scan# 27
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion: 88 Resp: 2987

Ion	Ratio	Lower	Upper
88	100		
58	57.5	75.5	113.3#
43	0.0	32.7	49.1#





#3
n-Nitrosodimethylamine
Concen: 0.52 ng
RT: 3.53 min Scan# 42
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion: 42 Resp: 2693

Ion	Ratio	Lower	Upper
42	100		
74	0.0	101.0	151.4#
44	7.5	6.3	9.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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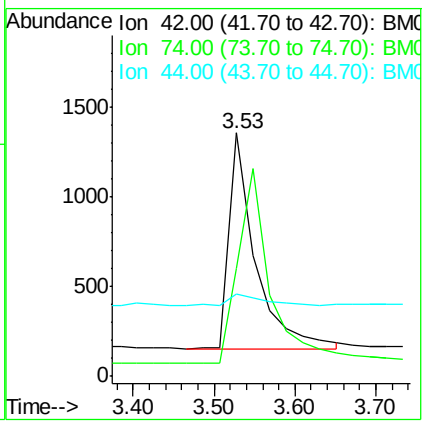
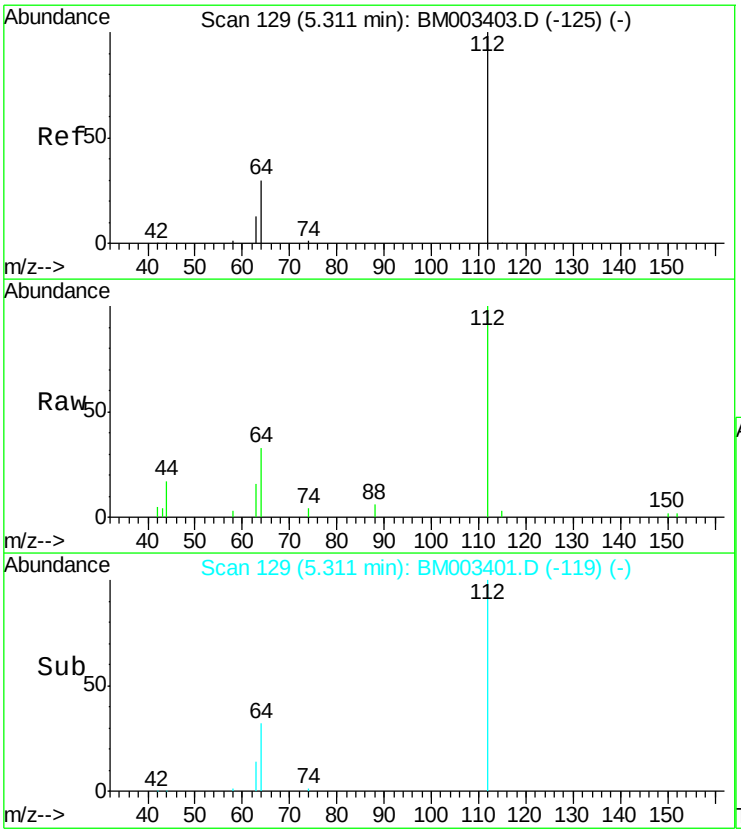
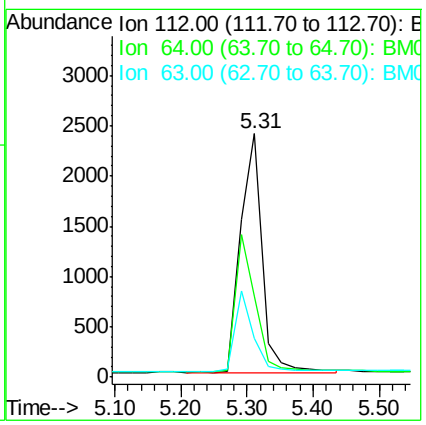


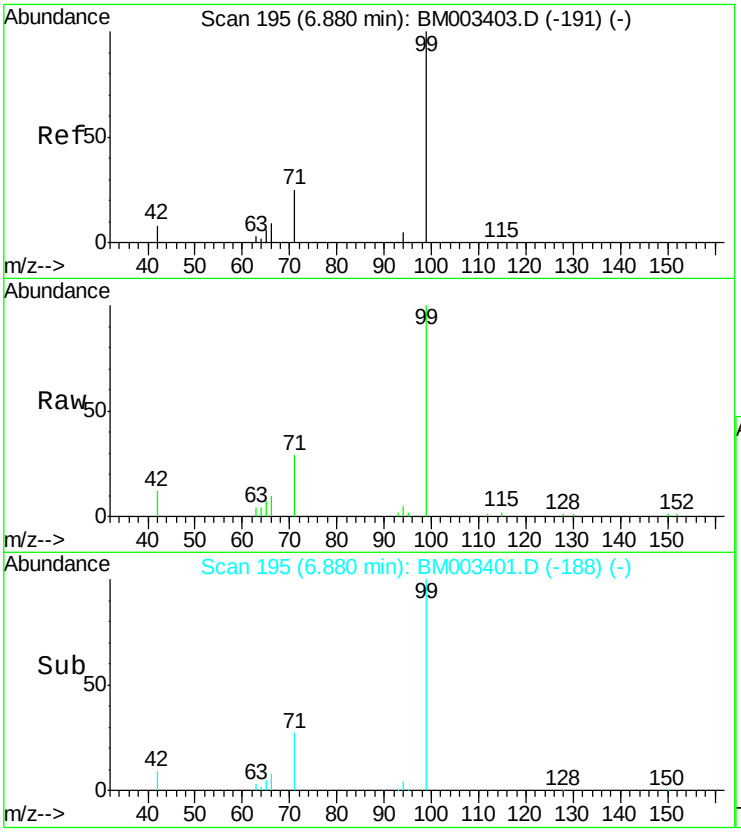


#4
2-Fluorophenol
Concen: 0.48 ng
RT: 5.31 min Scan# 129
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:112 Resp: 5414

Ion	Ratio	Lower	Upper
112	100		
64	33.5	49.3	73.9#
63	16.1	26.2	39.4#

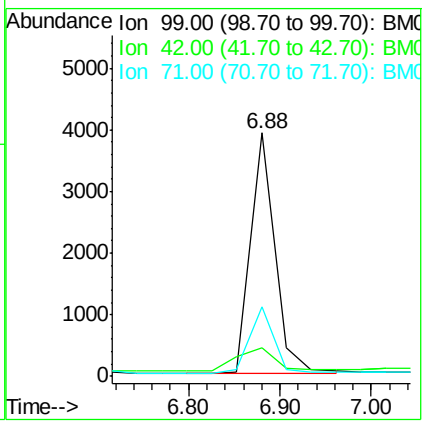




#5
Phenol-d6
Concen: 0.48 ng
RT: 6.88 min Scan# 195
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion: 99 Resp: 7248

Ion	Ratio	Lower	Upper
99	100		
42	11.6	12.1	18.1#
71	28.7	26.4	39.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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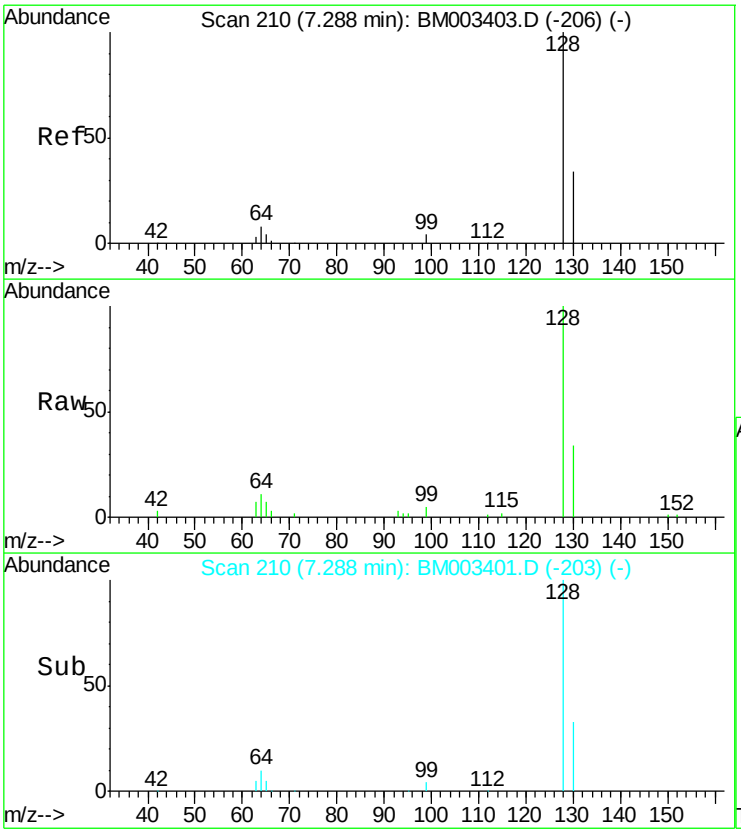
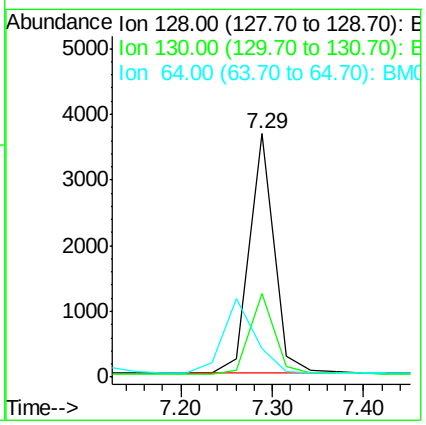
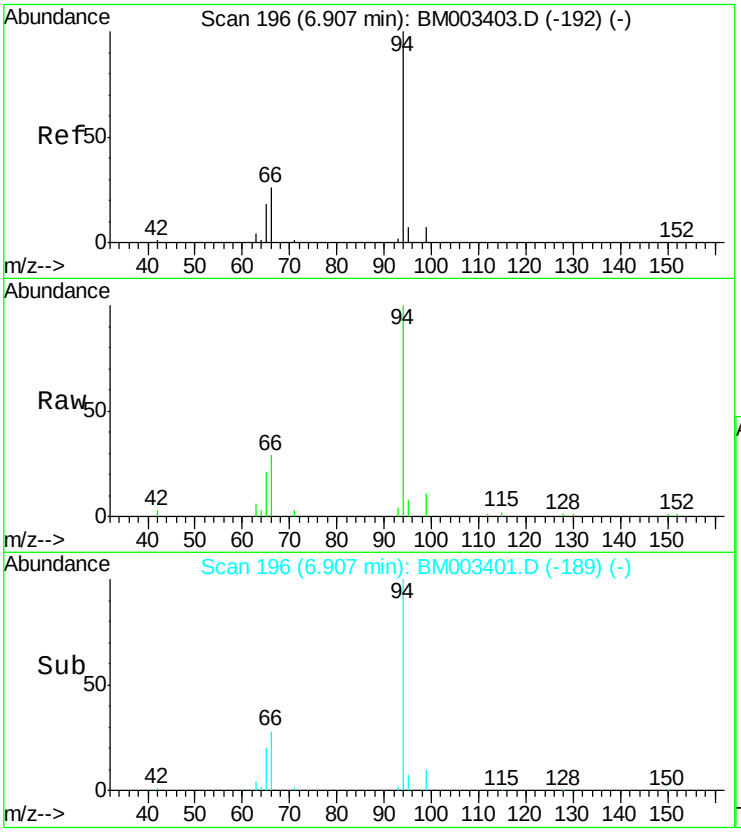


#6
2-Chlorophenol
Concen: 0.48 ng
RT: 7.29 min Scan# 210
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:128 Resp: 6848

Ion	Ratio	Lower	Upper
128	100		
130	34.2	22.2	62.2
64	11.5	0.0	28.7

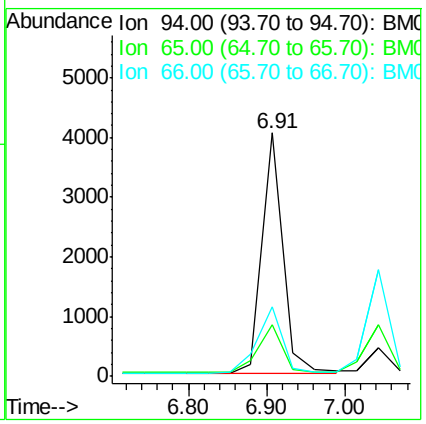




#7
Phenol
Concen: 0.47 ng
RT: 6.91 min Scan# 196
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion: 94 Resp: 7553

Ion	Ratio	Lower	Upper
94	100		
65	21.0	0.0	37.7
66	28.7	6.3	46.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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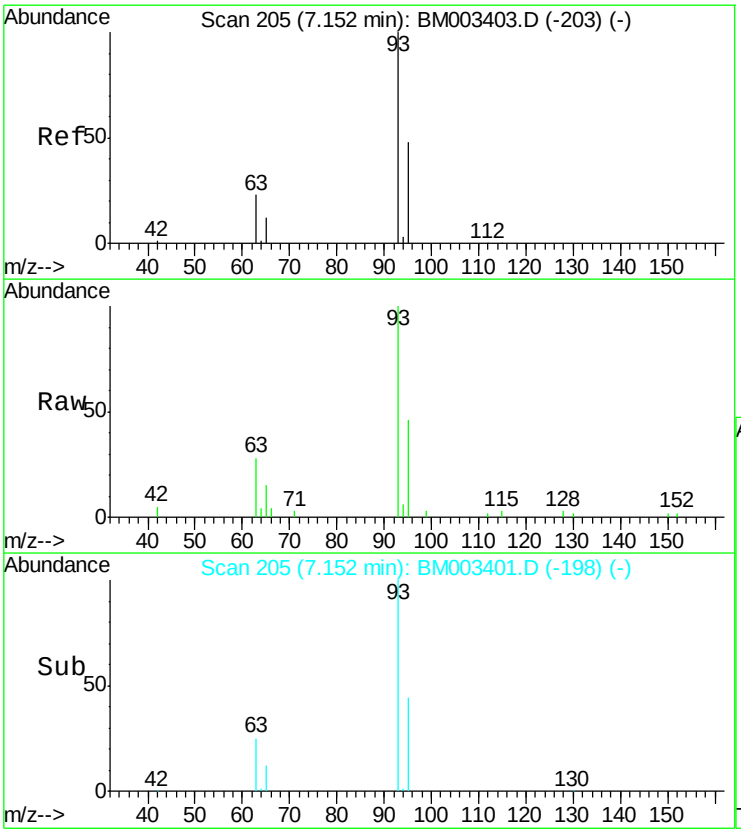
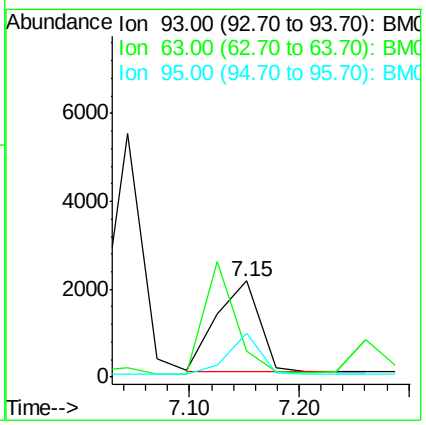
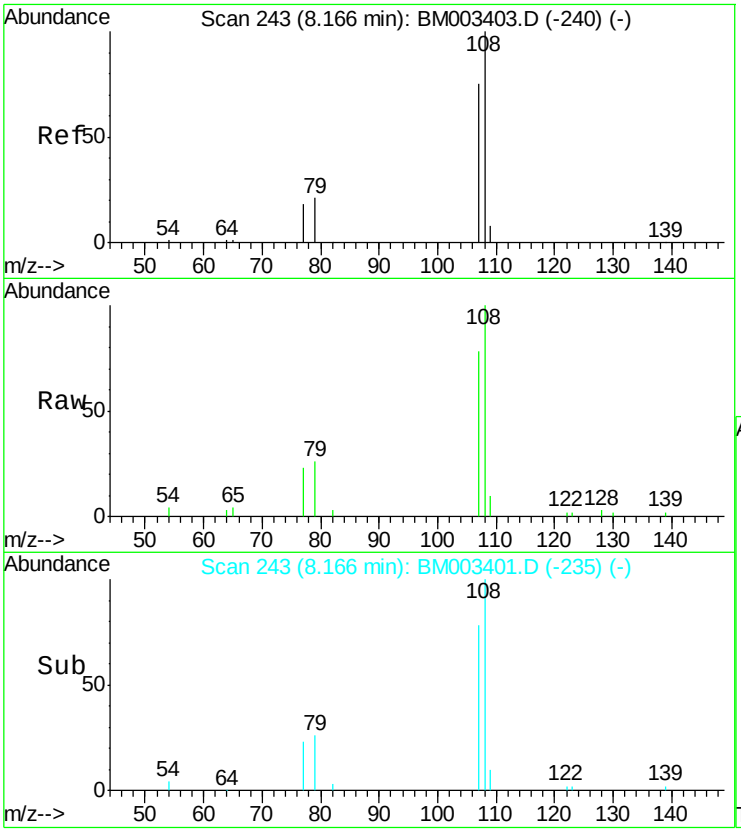


#8
bis(2-Chloroethyl)ether
Concen: 0.47 ng
RT: 7.15 min Scan# 205
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion: 93 Resp: 5754

Ion	Ratio	Lower	Upper
93	100		
63	0.0	58.2	87.4#
95	35.5	26.2	39.4

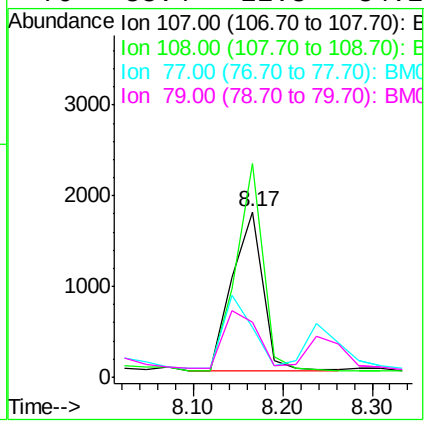




#9
2-Methylphenol
Concen: 0.47 ng
RT: 8.17 min Scan# 243
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:107 Resp: 4195

Ion	Ratio	Lower	Upper
107	100		
108	128.9	100.9	151.3
77	30.2	20.3	30.5
79	33.4	22.8	34.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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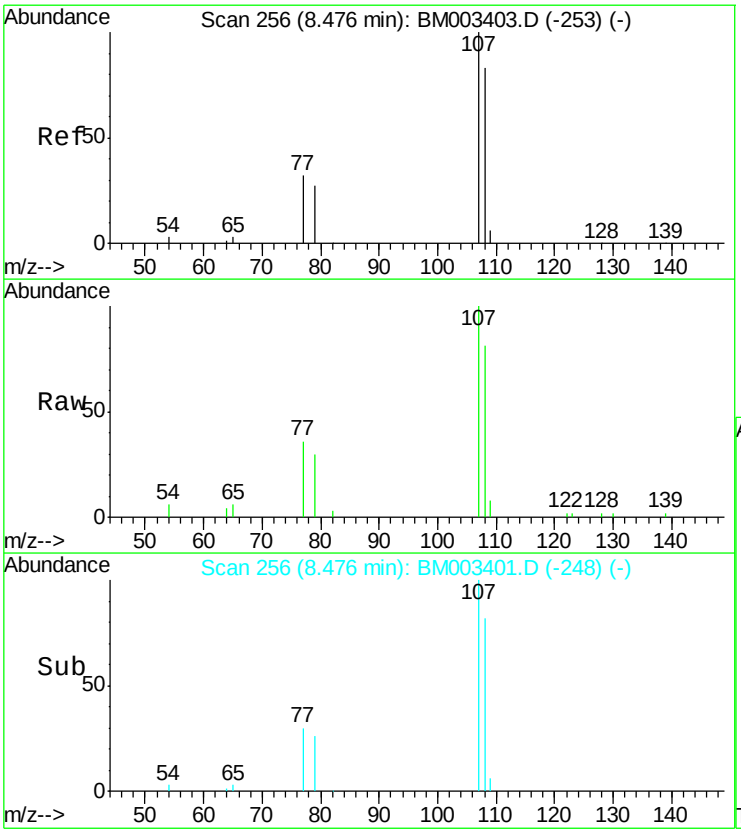
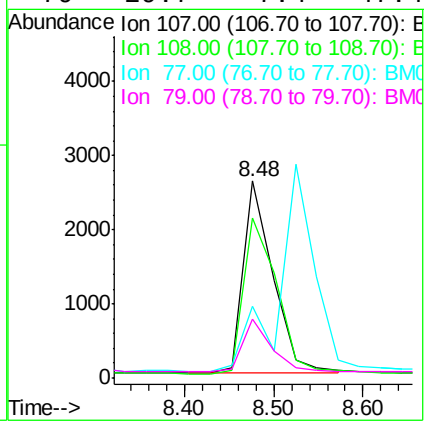
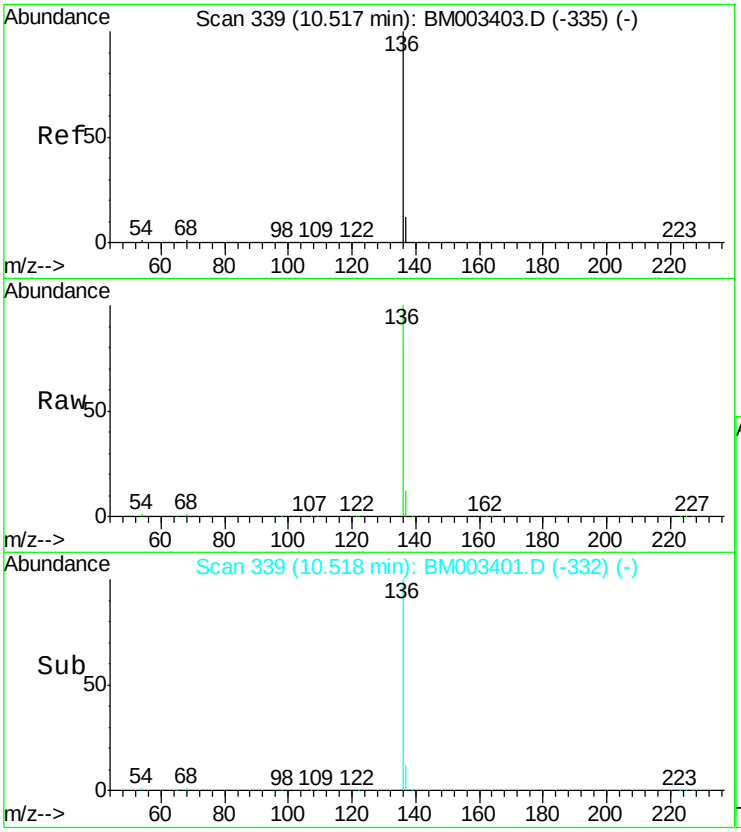


#10
3+4-Methylphenols
Concen: 0.47 ng
RT: 8.48 min Scan# 256
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:107 Resp: 6015

Ion	Ratio	Lower	Upper
107	100		
108	81.3	86.3	126.3#
77	36.4	151.7	191.7#
79	29.7	7.4	47.4

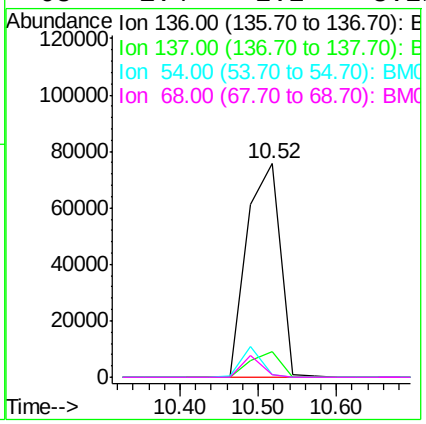




#11
Naphthalene-d8
Concen: 5.00 ng
RT: 10.52 min Scan# 339
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:136 Resp: 225775

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.1	13.7
54	1.0	2.6	3.8#
68	1.4	2.2	3.2#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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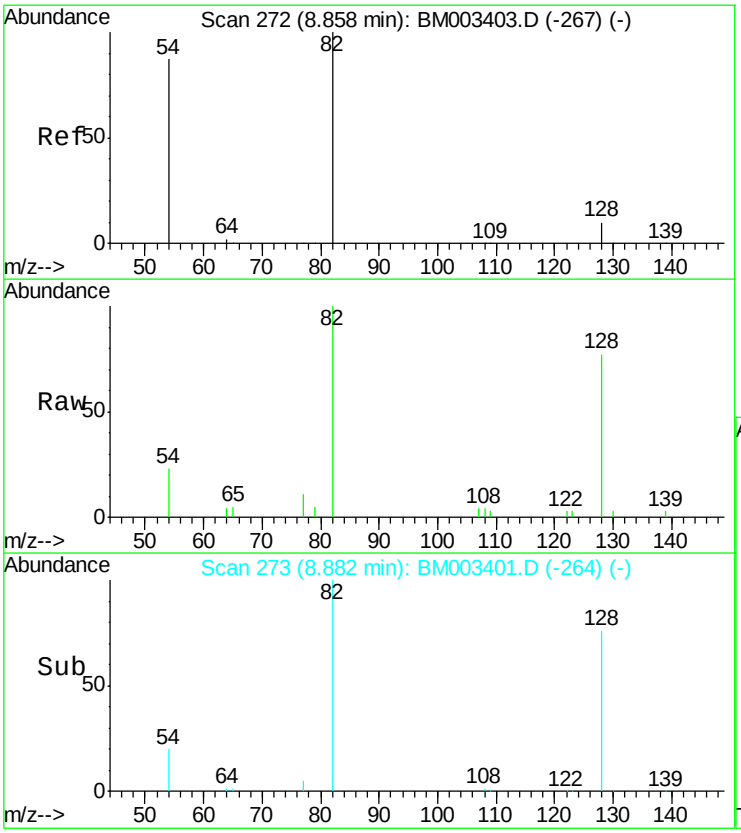
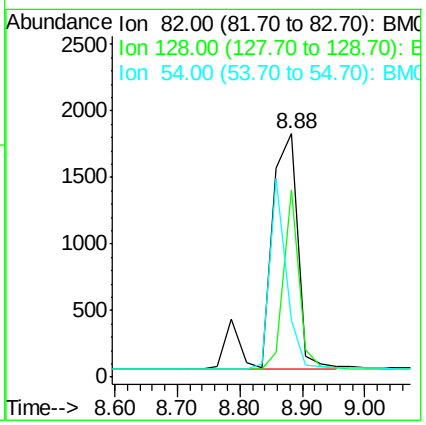
12/8/2015 6:14:38 PM

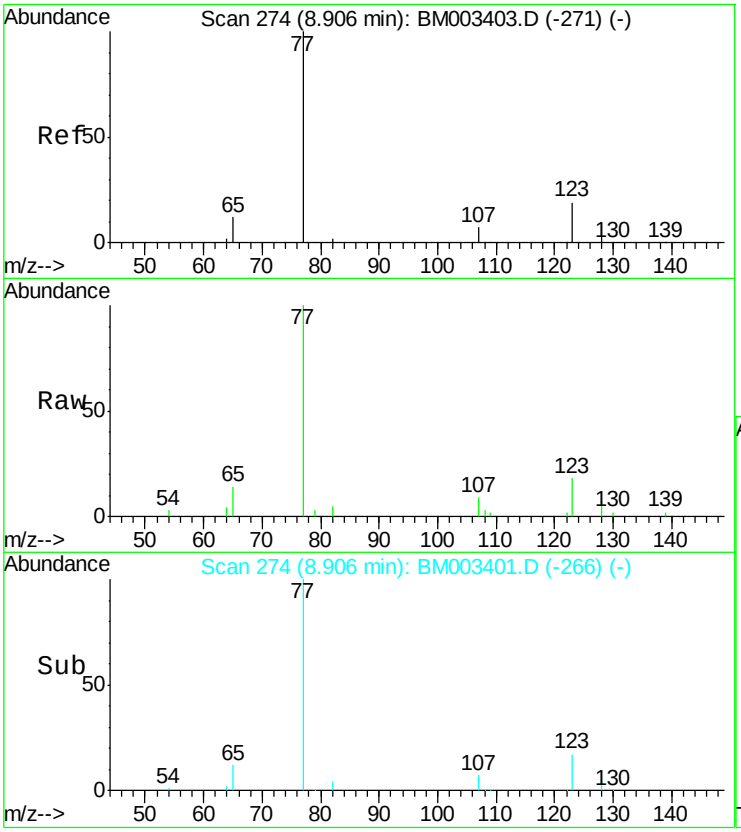


#12
Nitrobenzene-d5
Concen: 0.49 ng
RT: 8.88 min Scan# 273
Delta R.T. 0.02 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion: 82 Resp: 5573

Ion	Ratio	Lower	Upper
82	100		
128	42.5	0.0	0.0#
54	0.0	59.0	88.6#

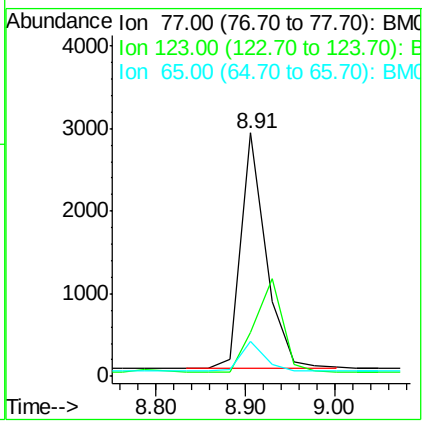




#13
Nitrobenzene
Concen: 0.48 ng
RT: 8.91 min Scan# 274
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion: 77 Resp: 5552

Ion	Ratio	Lower	Upper
77	100		
123	0.0	37.7	56.5#
65	12.5	9.8	14.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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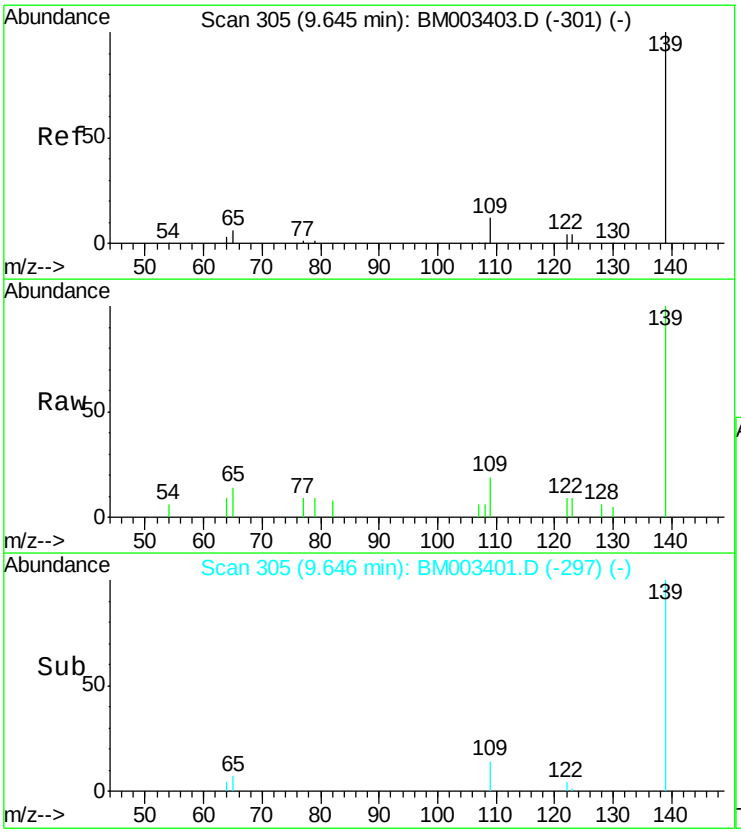
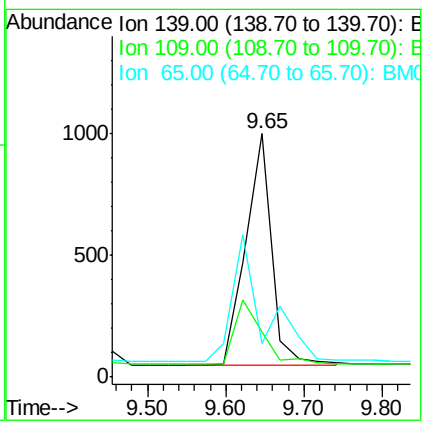
12/8/2015 6:14:38 PM

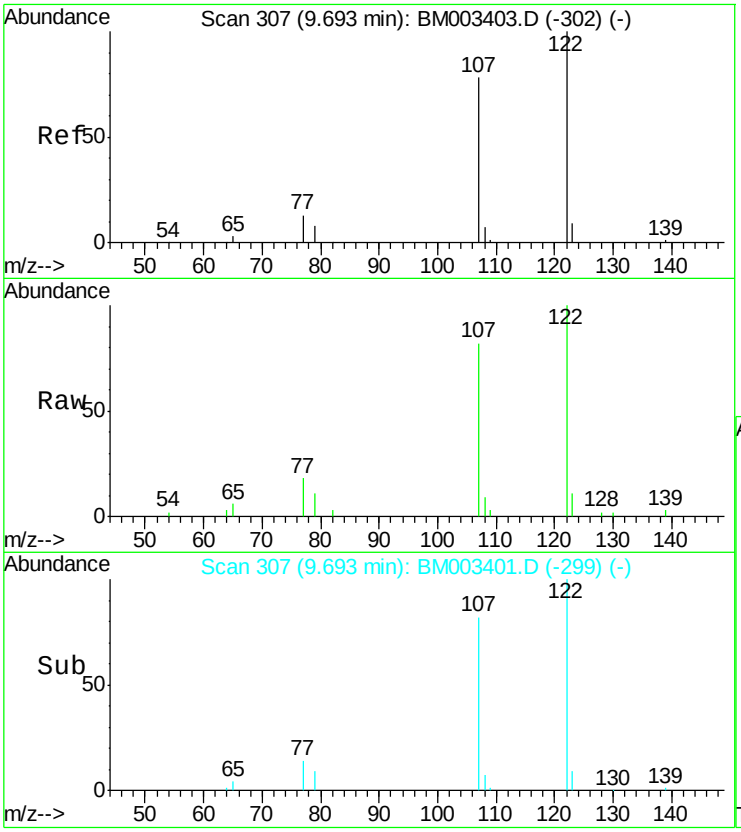


#14
2-Nitrophenol
Concen: 0.47 ng
RT: 9.65 min Scan# 305
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:139 Resp: 2189

Ion	Ratio	Lower	Upper
139	100		
109	18.6	19.5	29.3#
65	13.6	18.6	28.0#

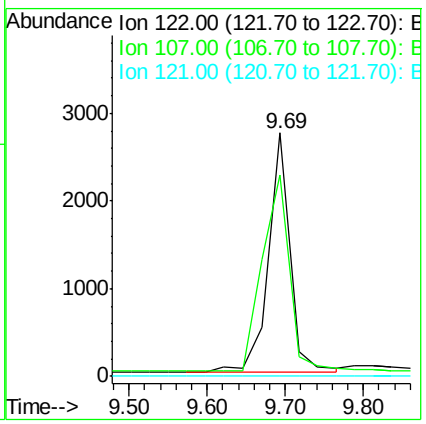




#15
2,4-Dimethylphenol
Concen: 0.47 ng
RT: 9.69 min Scan# 307
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:122 Resp: 5264

Ion	Ratio	Lower	Upper
122	100		
107	82.5	68.6	102.8
121	0.0	44.8	67.2#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

Manual Integrations APPROVED
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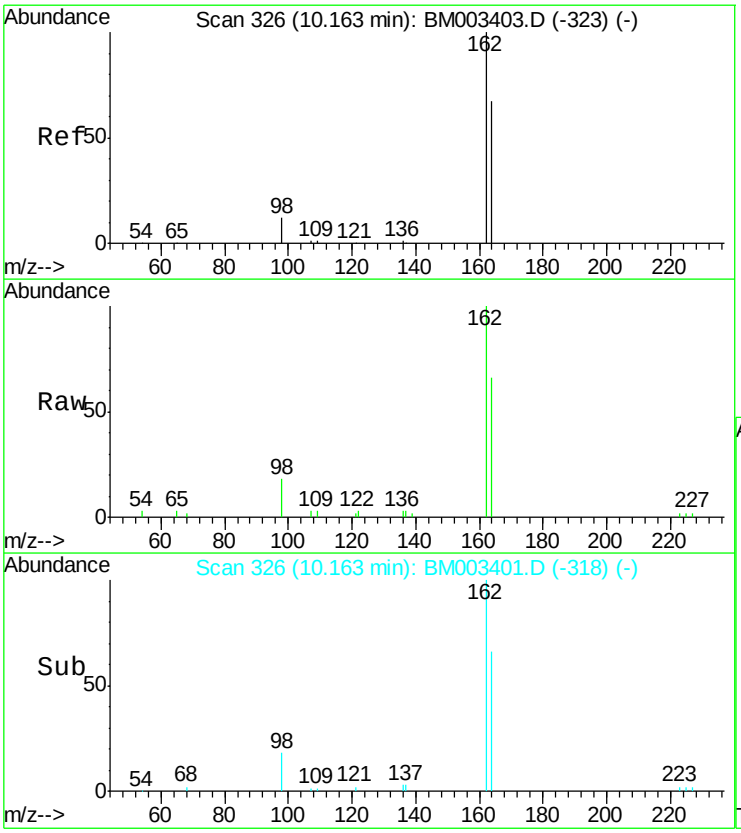
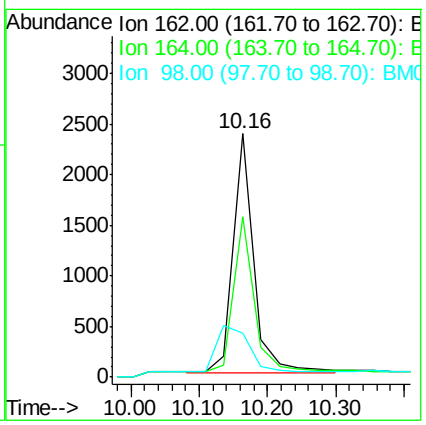
12/8/2015 6:14:38 PM

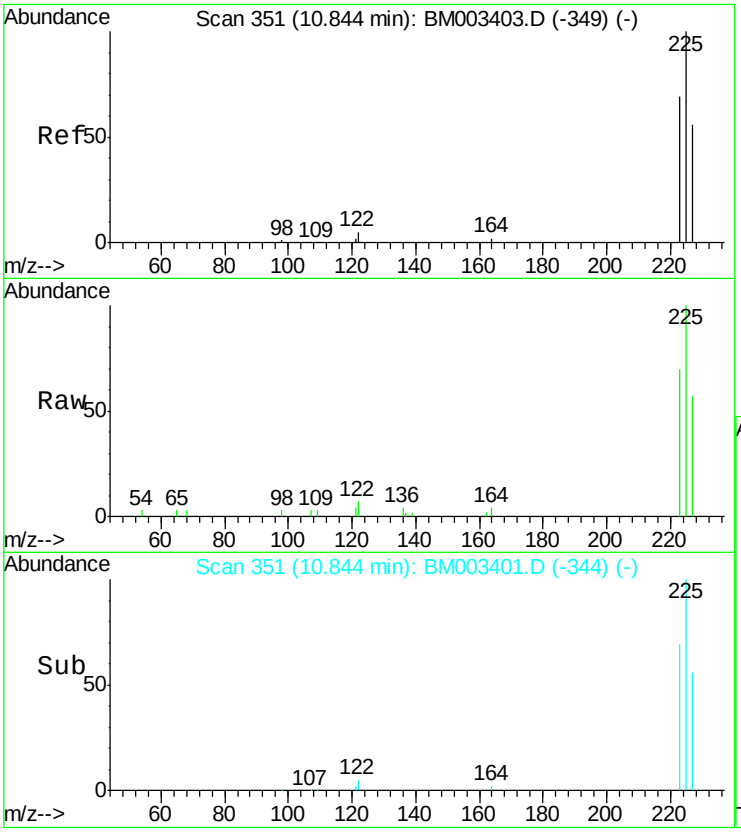


#16
2,4-Dichlorophenol
Concen: 0.48 ng m
RT: 10.16 min Scan# 326
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:162 Resp: 4989

Ion	Ratio	Lower	Upper
162	100		
164	65.8	49.2	89.2
98	18.3	0.0	37.4

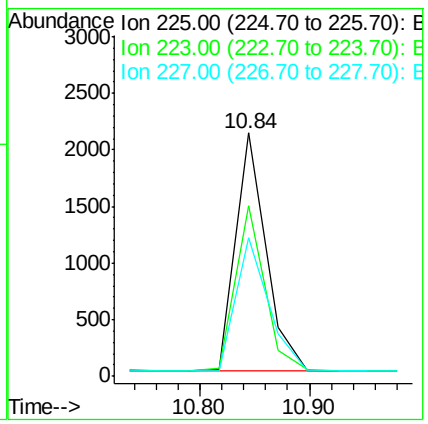




#17
Hexachlorobutadiene
Concen: 0.48 ng
RT: 10.84 min Scan# 351
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:225 Resp: 4103

Ion	Ratio	Lower	Upper
225	100		
223	65.4	53.0	79.4
227	60.6	52.2	78.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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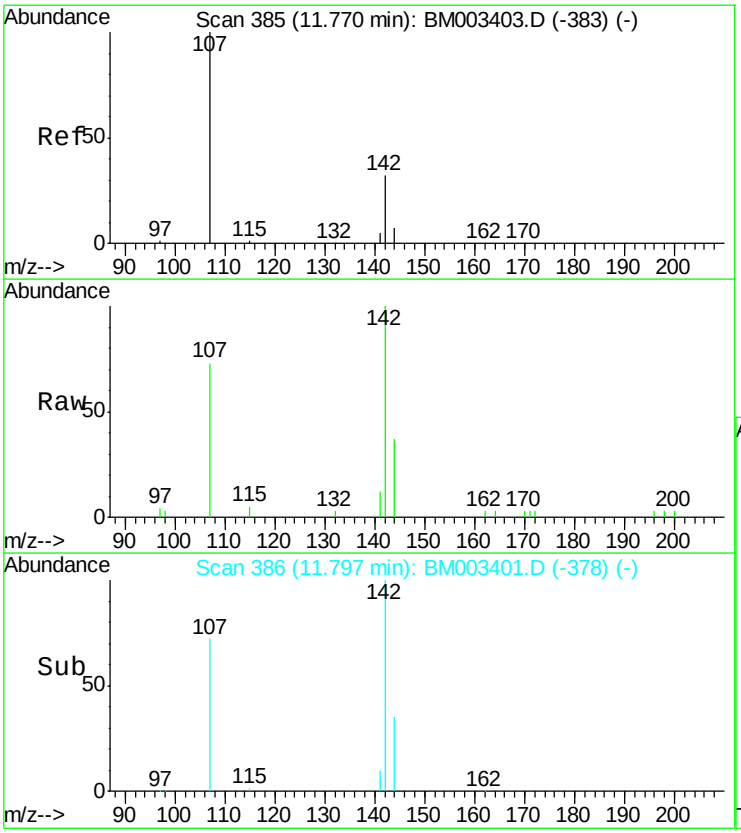
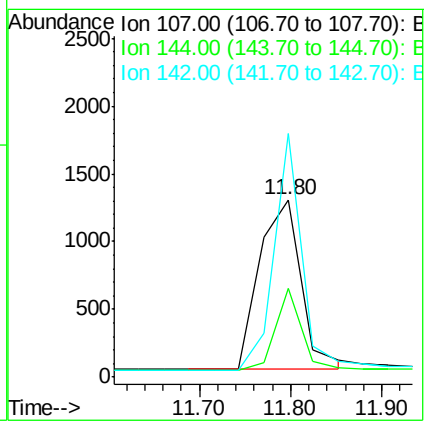
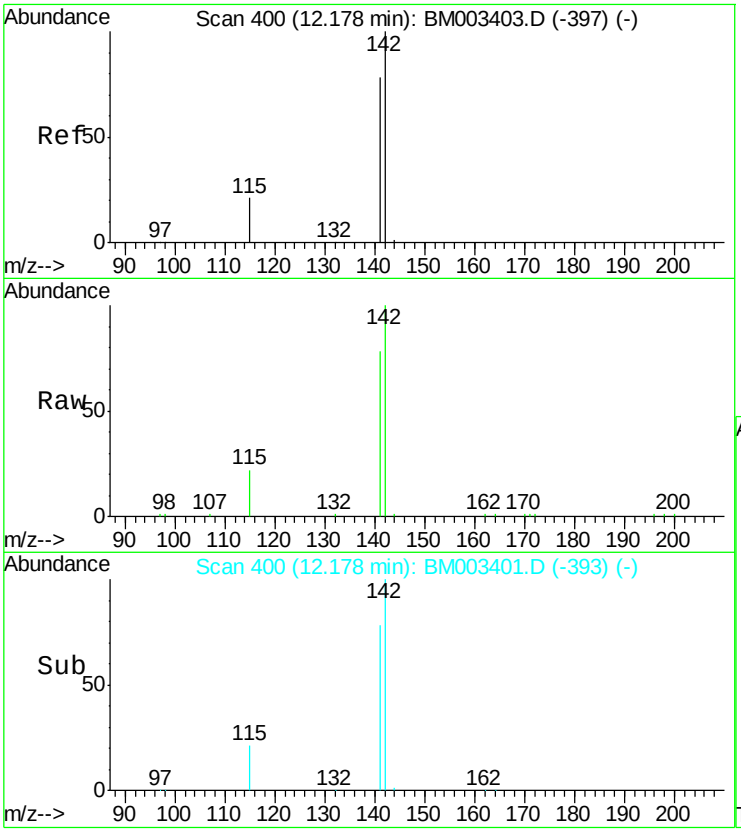


#18
4-Chloro-3-methylphenol
Concen: 0.45 ng
RT: 11.80 min Scan# 386
Delta R.T. 0.03 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:107 Resp: 4004

Ion	Ratio	Lower	Upper
107	100		
144	50.2	16.2	24.2#
142	137.3	49.8	74.6#

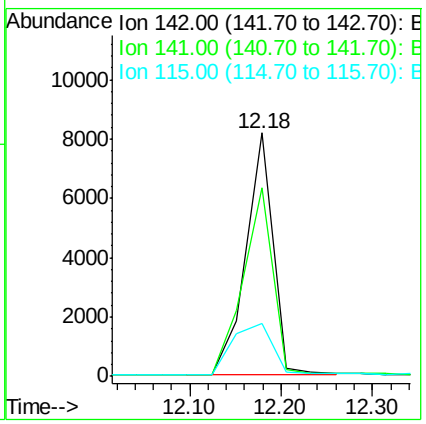




#19
2-Methylnaphthalene
Concen: 0.47 ng
RT: 12.18 min Scan# 400
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:142 Resp: 16836

Ion	Ratio	Lower	Upper
142	100		
141	84.9	71.4	107.0
115	31.1	29.3	43.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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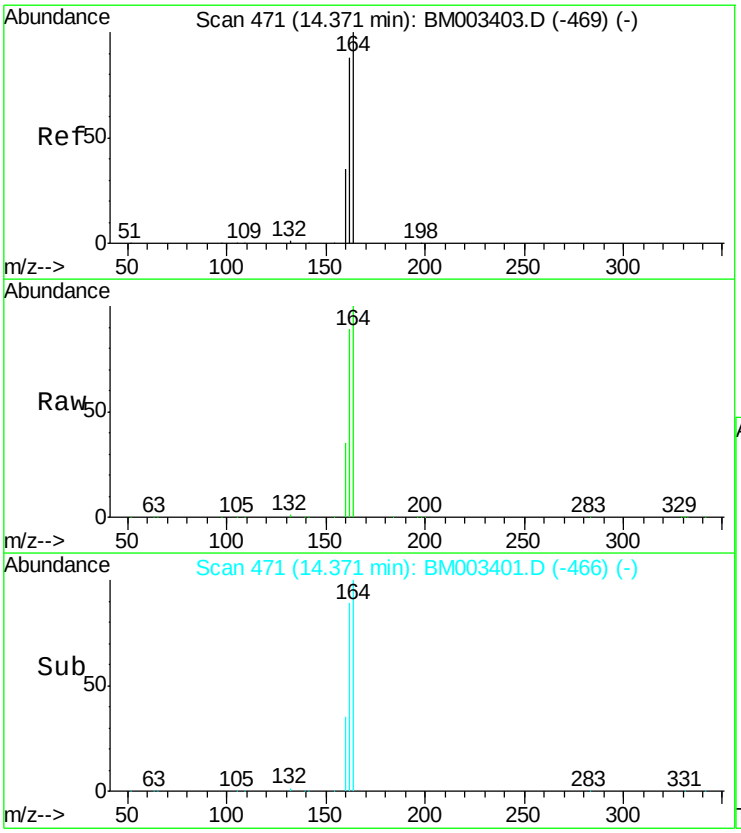
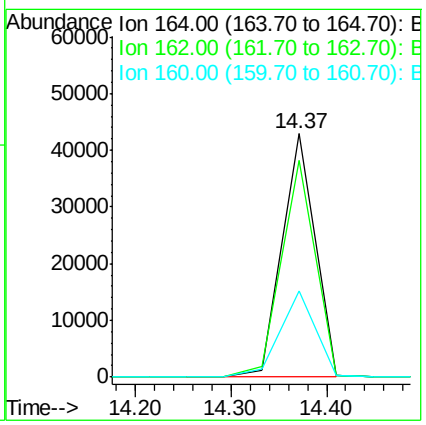
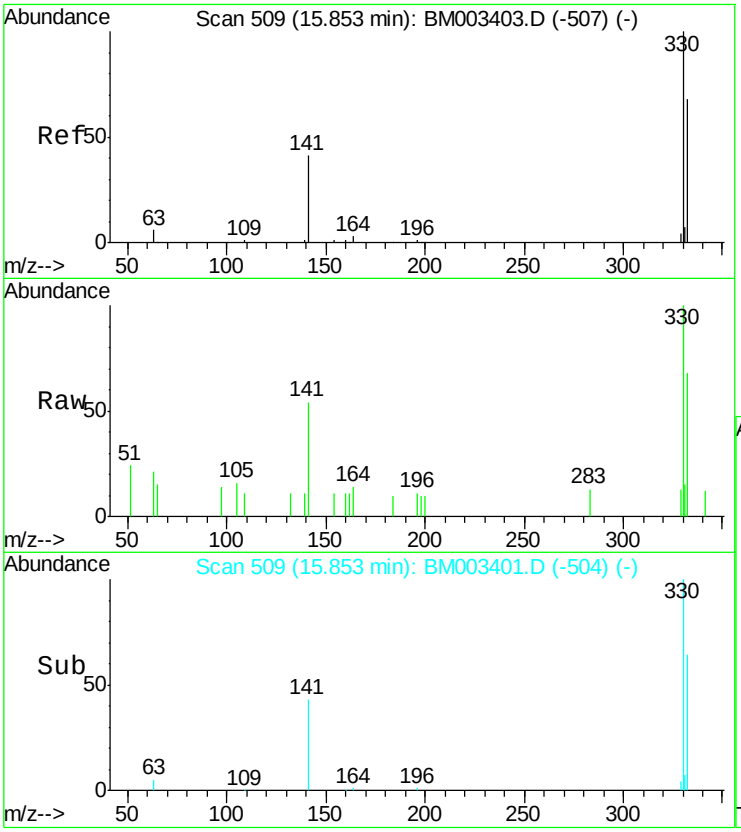


#20
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.37 min Scan# 471
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:164 Resp: 103496

Ion	Ratio	Lower	Upper
164	100		
162	89.0	79.2	118.8
160	35.3	33.7	50.5

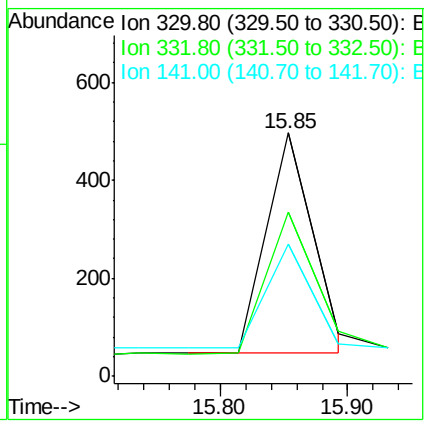




#21
2,4,6-Tribromophenol
Concen: 0.53 ng
RT: 15.85 min Scan# 509
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:330 Resp: 1145

Ion	Ratio	Lower	Upper
330	100		
332	68.9	74.0	111.0#
141	45.6	24.1	36.1#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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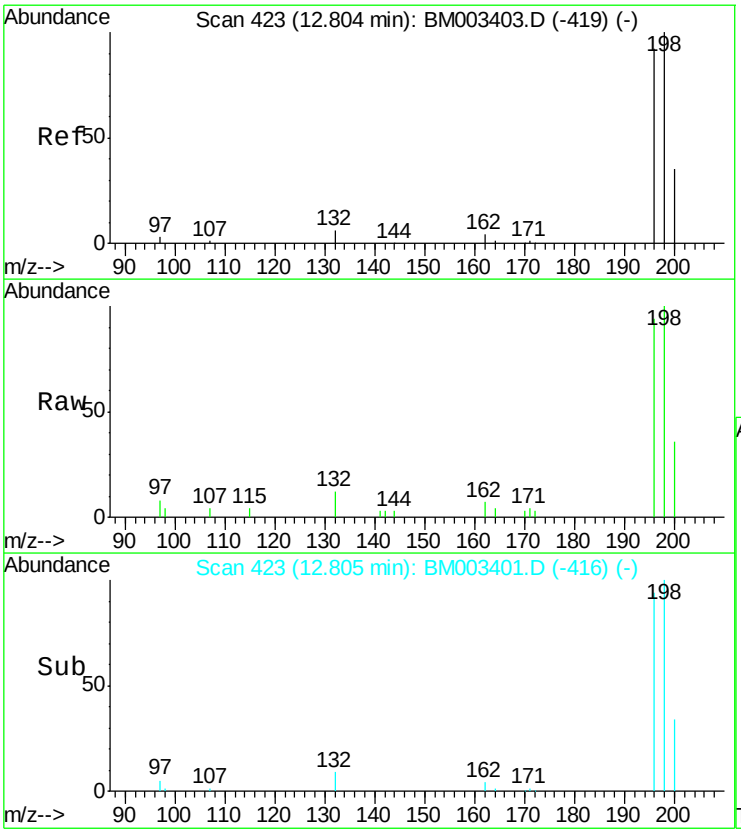
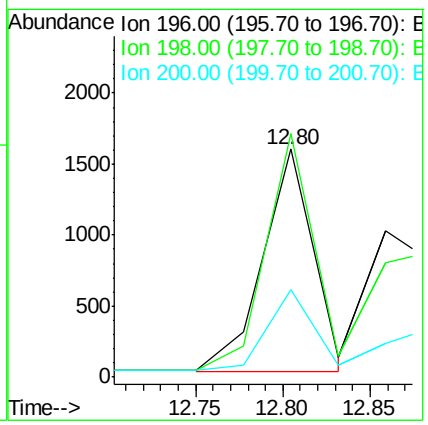
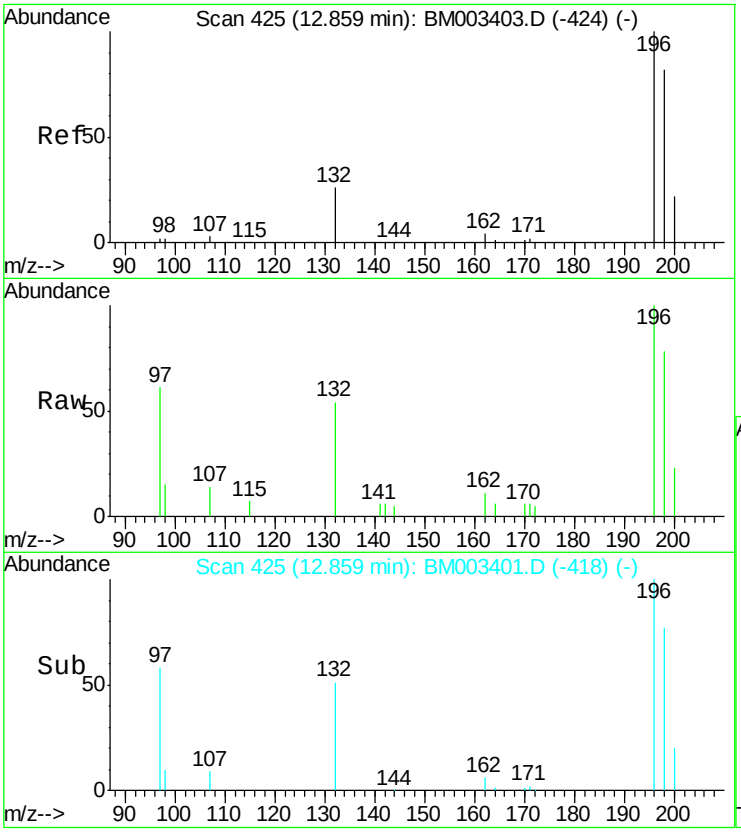


#22
2,4,6-Trichlorophenol
Concen: 0.49 ng m
RT: 12.80 min Scan# 423
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:196 Resp: 3165

Ion	Ratio	Lower	Upper
196	100		
198	106.7	54.2	81.2#
200	38.5	17.1	25.7#

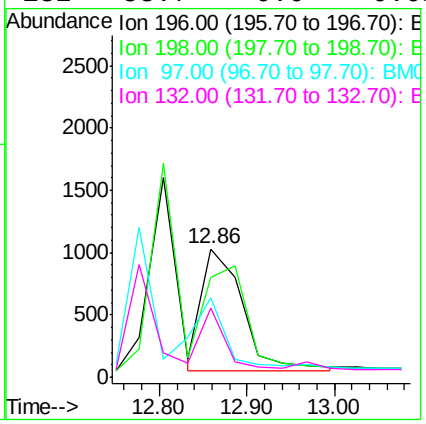




#23
2,4,5-Trichlorophenol
Concen: 0.52 ng m
RT: 12.86 min Scan# 425
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:196 Resp: 3262

Ion	Ratio	Lower	Upper
196	100		
198	78.0	73.6	110.4
97	61.4	0.0	0.0#
132	53.7	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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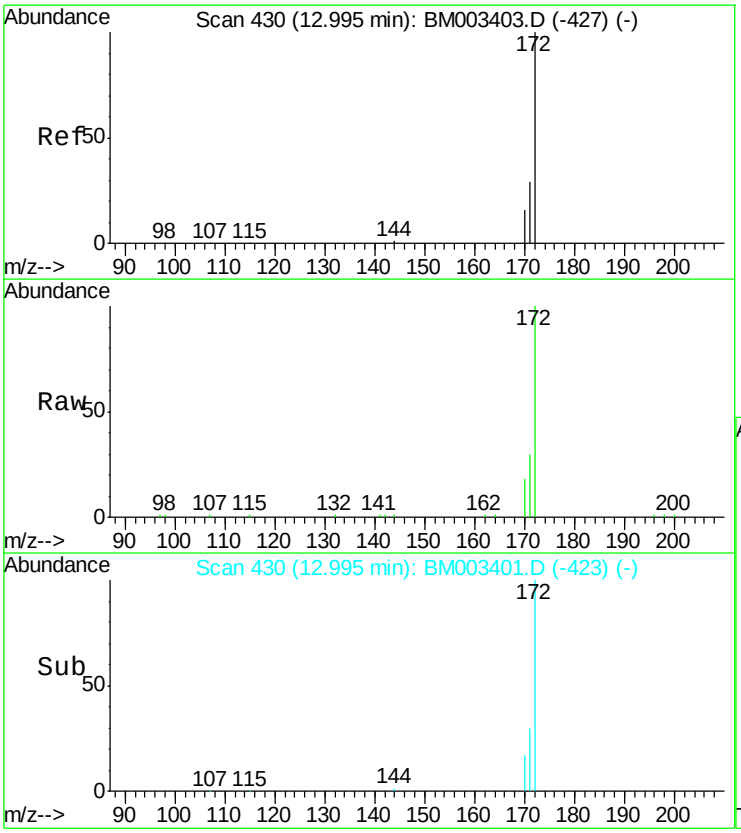
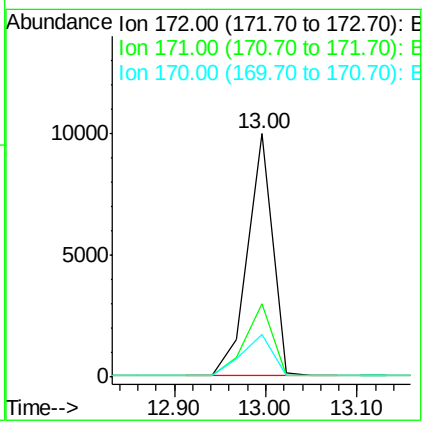
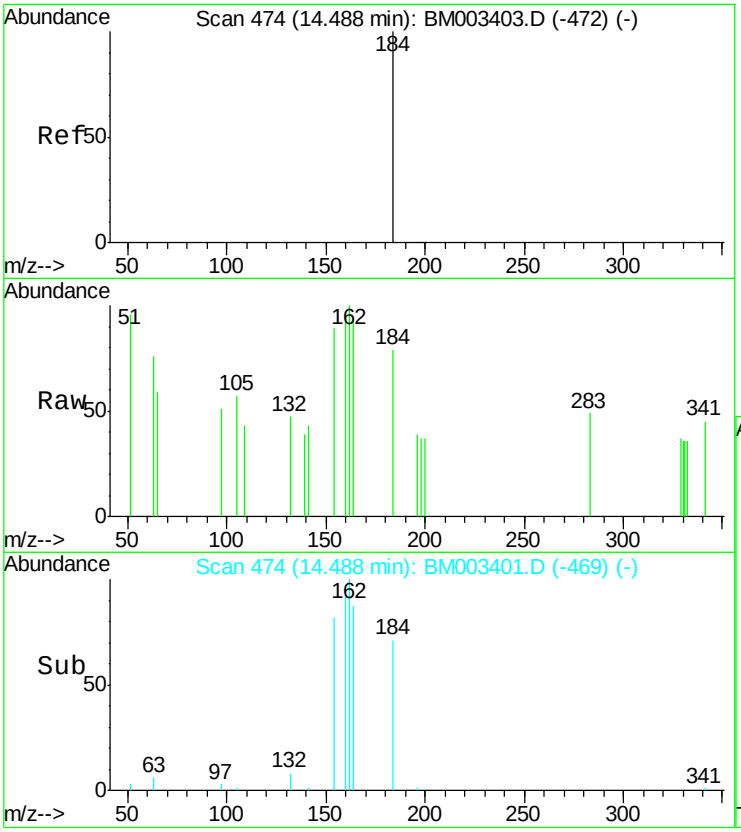


#24
2-Fluorobiphenyl
Concen: 0.50 ng
RT: 13.00 min Scan# 430
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:172 Resp: 19061

Ion	Ratio	Lower	Upper
172	100		
171	32.3	28.0	42.0
170	21.1	18.9	28.3

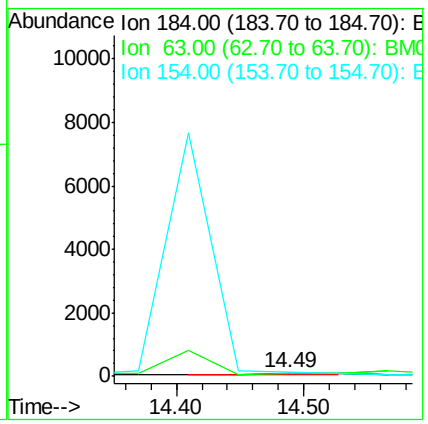




#25
2,4-Dinitrophenol
Concen: 0.36 ng
RT: 14.49 min Scan# 474
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:184 Resp: 187

Ion	Ratio	Lower	Upper
184	100		
63	96.1	52.0	78.0#
154	112.7	51.4	77.2#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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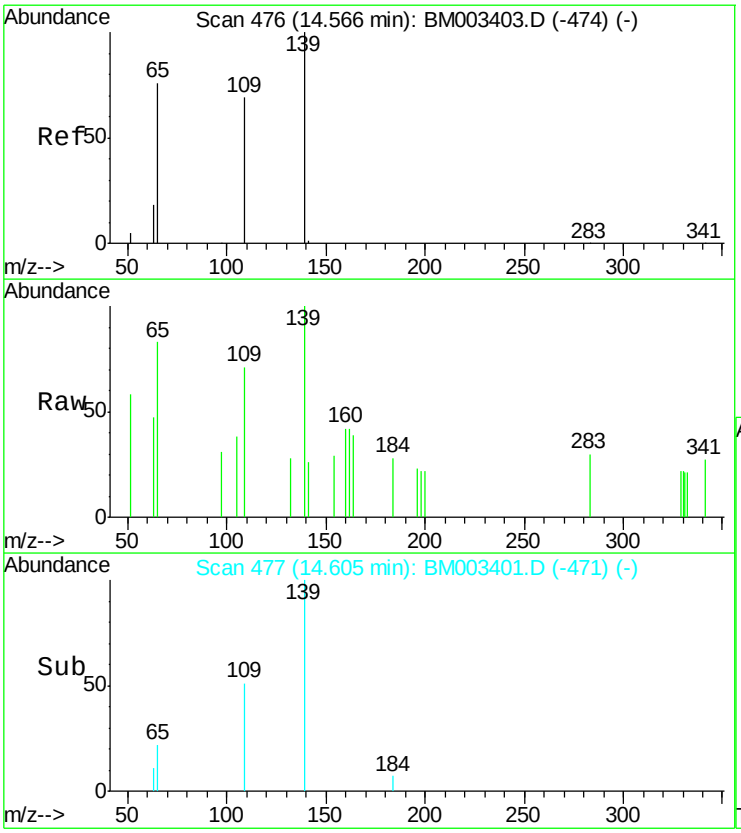
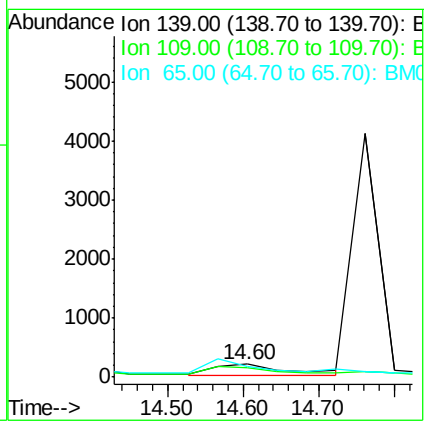
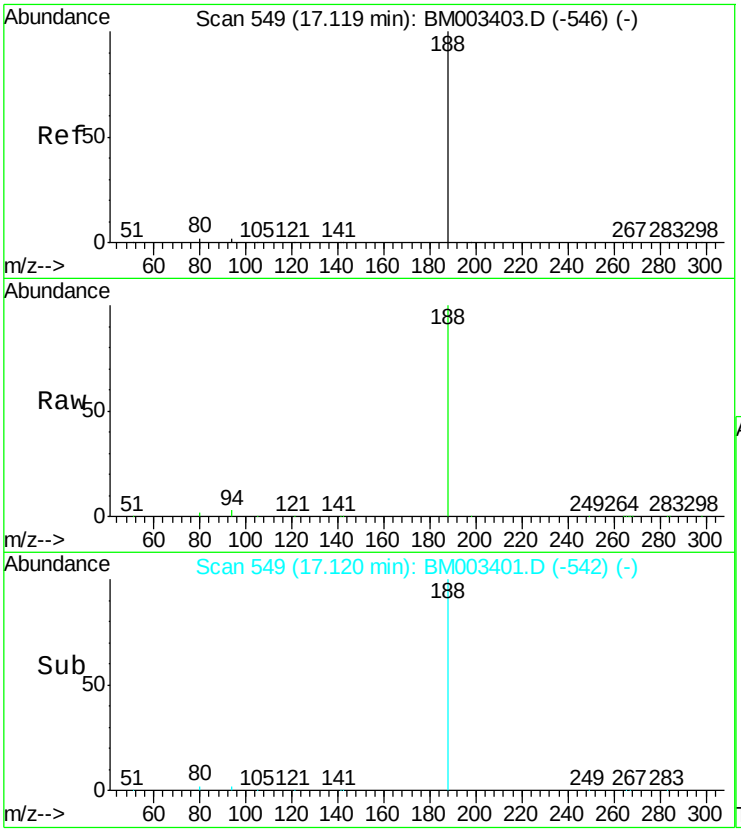


#26
4-Nitrophenol
Concen: 0.58 ng m
RT: 14.60 min Scan# 477
Delta R.T. 0.04 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:139 Resp: 1236

Ion	Ratio	Lower	Upper
139	100		
109	71.5	60.0	100.0
65	82.7	85.7	125.7#





#27
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.12 min Scan# 549
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:188 Resp: 169940

Ion	Ratio	Lower	Upper
188	100		
94	2.5	2.9	4.3#
80	2.0	2.5	3.7#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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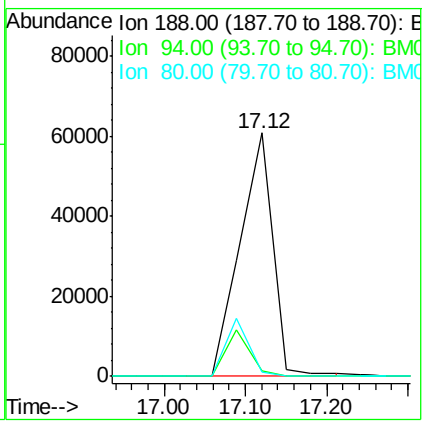
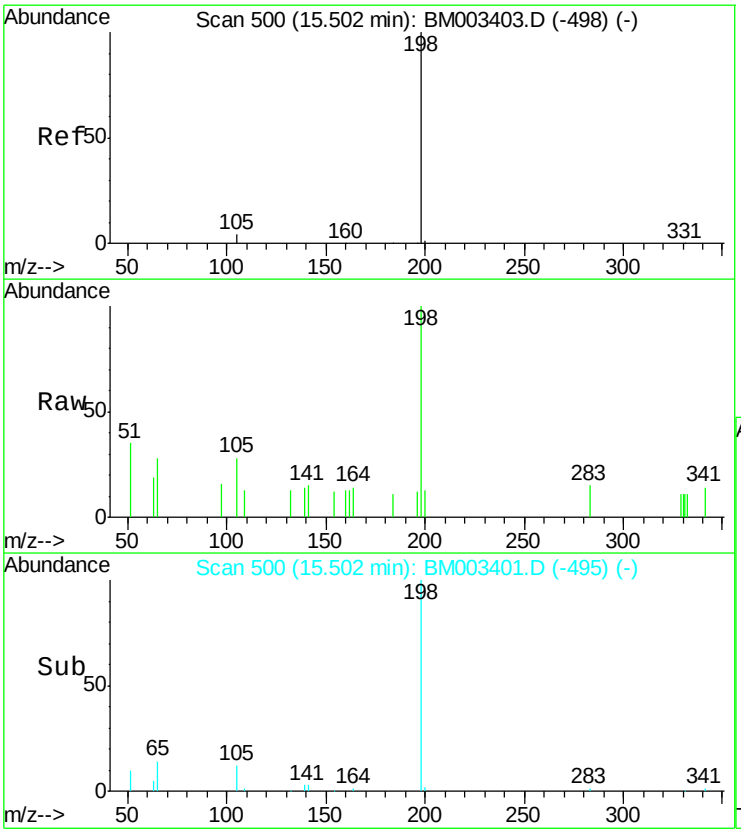
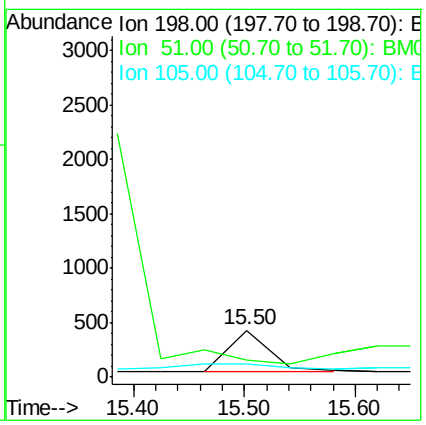


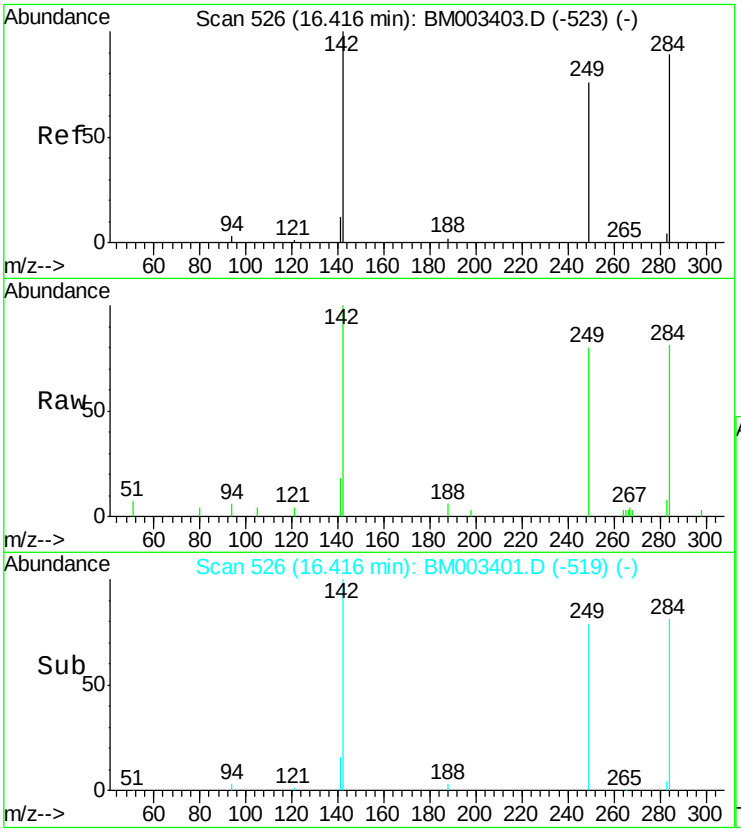


#28
4,6-Dinitro-2-methylphenol
Concen: 0.61 ng m
RT: 15.50 min Scan# 500
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:198 Resp: 1025

Ion	Ratio	Lower	Upper
198	100		
51	35.0	60.8	100.8#
105	27.8	30.0	70.0#

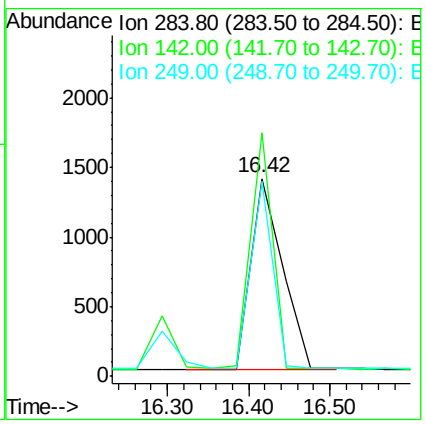




#29
Hexachlorobenzene
Concen: 0.51 ng
RT: 16.42 min Scan# 526
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:284 Resp: 3711

Ion	Ratio	Lower	Upper
284	100		
142	85.7	23.3	34.9#
249	67.5	23.3	34.9#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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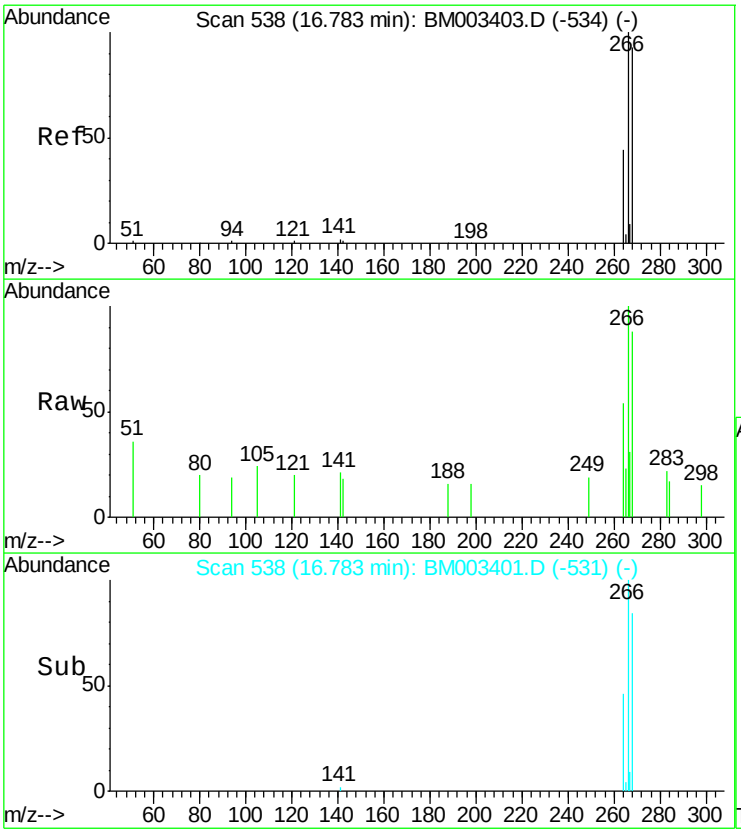
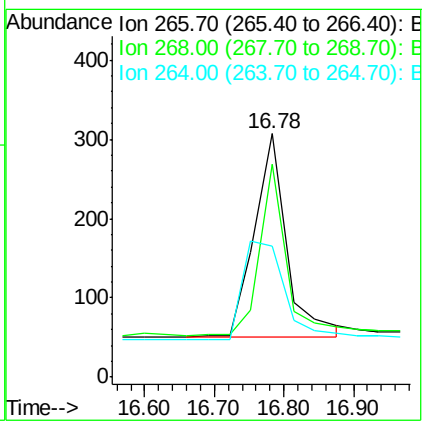
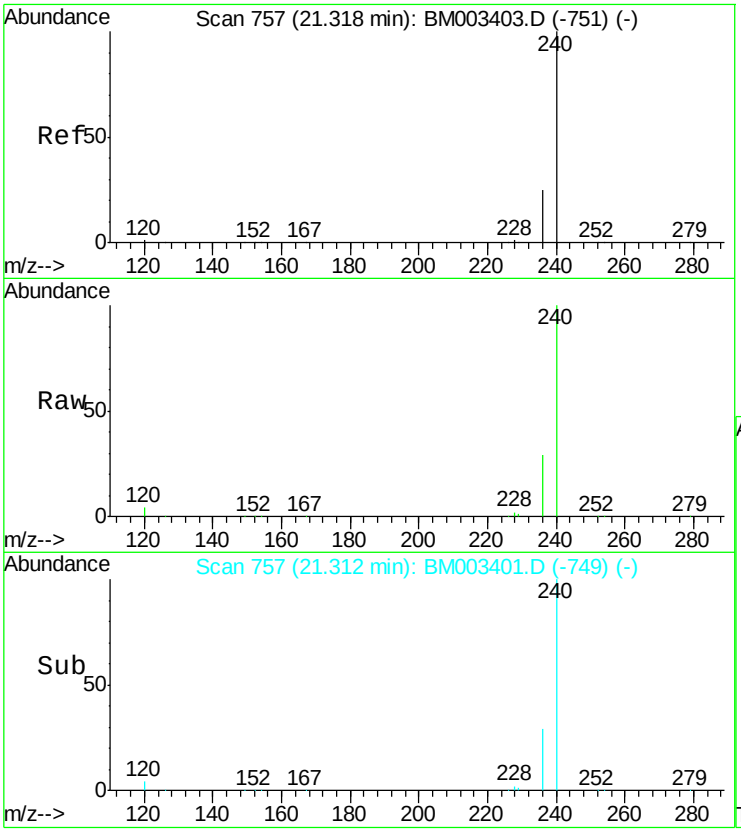


#30
Pentachlorophenol
Concen: 0.45 ng
RT: 16.78 min Scan# 538
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:266 Resp: 828

Ion	Ratio	Lower	Upper
266	100		
268	87.6	62.6	94.0
264	54.1	47.9	71.9

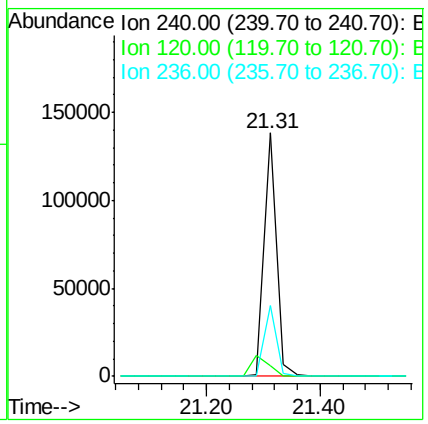




#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 757
Delta R.T. -0.01 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:240 Resp: 210972

Ion	Ratio	Lower	Upper
240	100		
120	4.4	10.4	15.6#
236	29.3	22.0	33.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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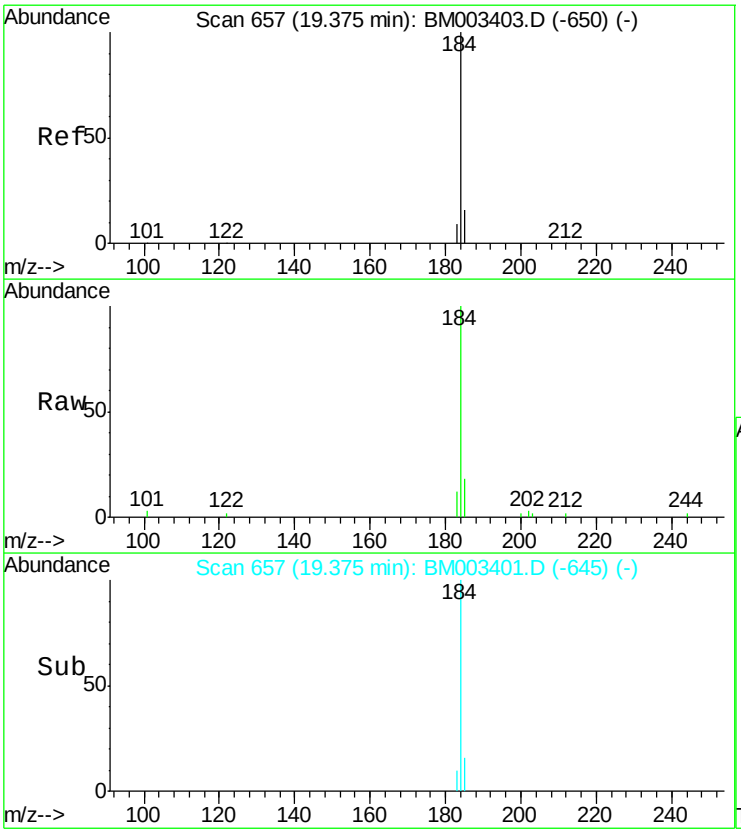
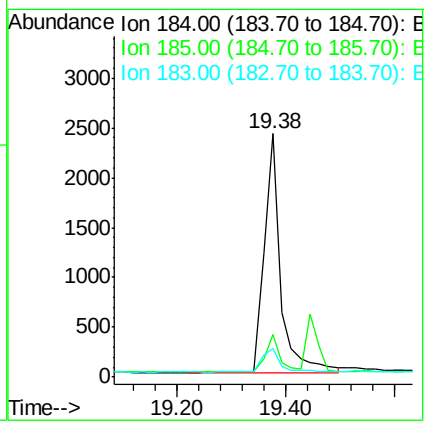
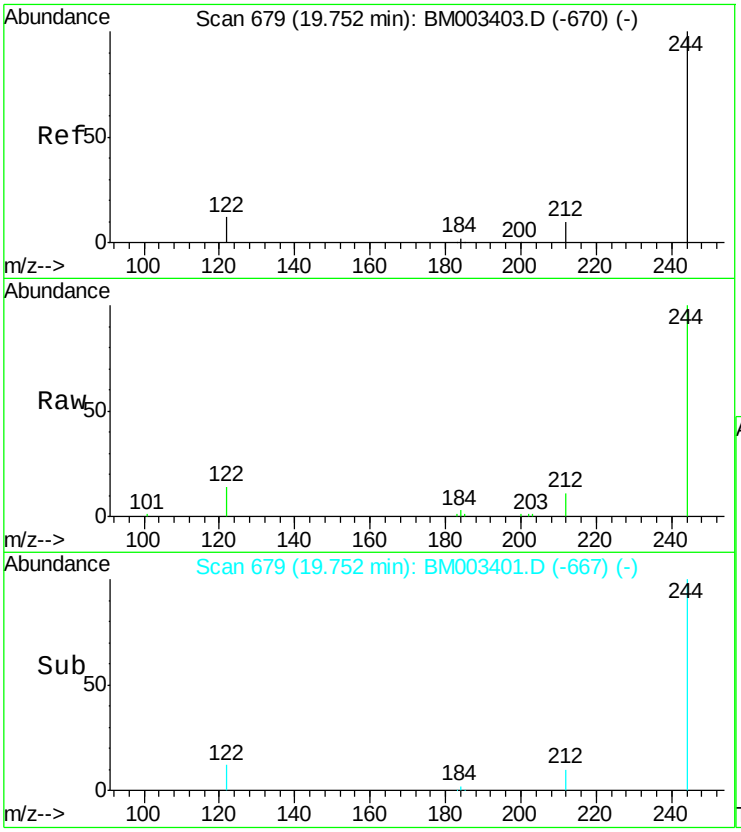


#32
Benzidine
Concen: 0.43 ng
RT: 19.38 min Scan# 657
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:184 Resp: 5023

Ion	Ratio	Lower	Upper
184	100		
185	17.8	11.6	17.4#
183	11.6	8.6	13.0

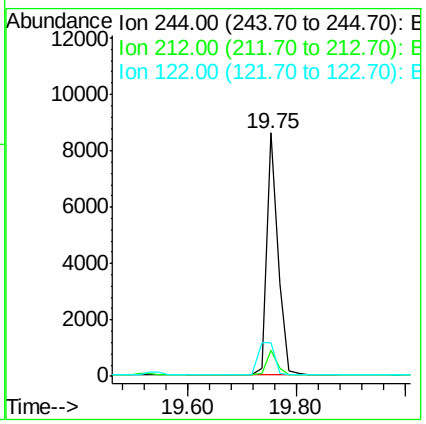




#33
Terphenyl-d14
Concen: 0.43 ng
RT: 19.75 min Scan# 679
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:244 Resp: 12711

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.3	10.9
122	19.2	14.8	22.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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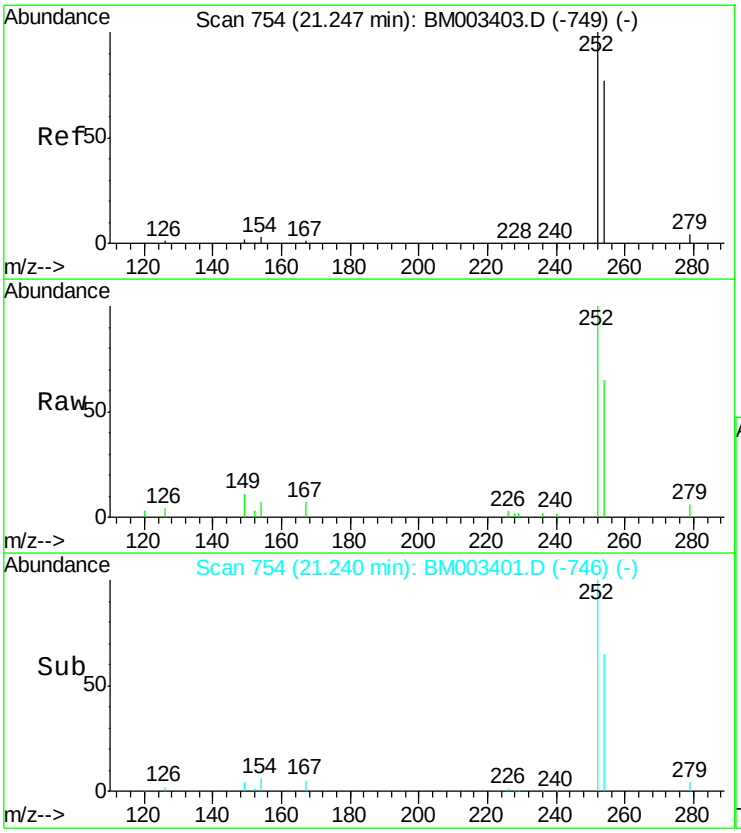
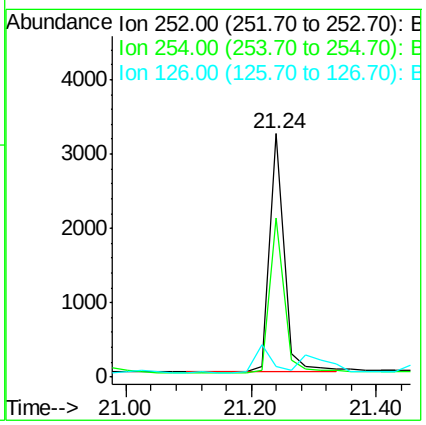
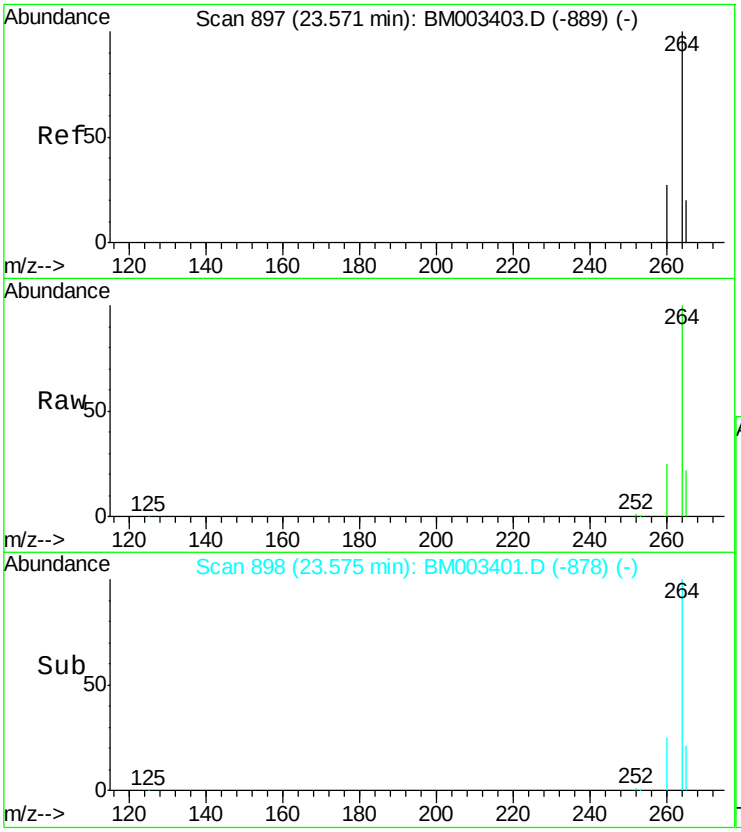


#34
3,3'-Dichlorobenzidine
Concen: 0.47 ng
RT: 21.24 min Scan# 754
Delta R.T. -0.01 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:252 Resp: 5231

Ion	Ratio	Lower	Upper
252	100		
254	65.2	53.7	80.5
126	4.4	2.8	4.2#

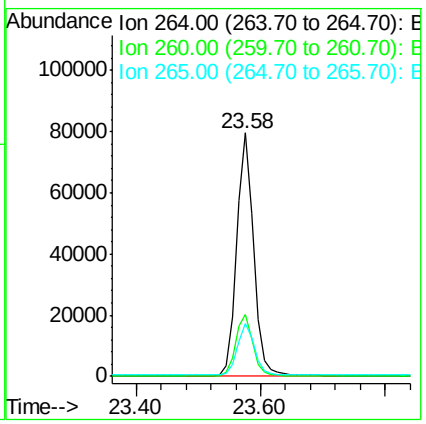




#35
Pervlene-d12
Concen: 5.00 ng
RT: 23.58 min Scan# 898
Delta R.T. 0.00 min
Lab File: BM003401.D
Acq: 07 Dec 2015 10:52

Tgt Ion:264 Resp: 152404

Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.7	29.5
265	21.7	17.4	26.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.5

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