Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120715\
Data File : BM003400.D
Acq On : 07 Dec 2015 10:16
Operator : UM/IZ
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
Mmdadoda
12/8/2015 6:14:37 PM

Quant Time: Dec 07 14:42:41 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	63733	5.00	ng		0.00
11) Naphthalene-d8	10.52	136	220686	5.00	ng		0.00
20) Acenaphthene-d10	14.37	164	124038	5.00	ng		0.00
27) Phenanthrene-d10	17.12	188	224304	5.00	ng		0.00
31) Chrysene-d12	21.31	240	218426	5.00	ng		0.00
35) Perylene-d12	23.57	264	161176	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.31	112	2258	0.21	ng		0.00
5) Phenol-d6	6.88	99	2945	0.20	ng		0.00
12) Nitrobenzene-d5	8.88	82	2336	0.21	ng		0.02
21) 2,4,6-Tribromophenol	15.85	330	449	0.17	ng		0.00
24) 2-Fluorobiphenyl	13.00	172	9063	0.20	ng		0.00
33) Terphenyl-d14	19.75	244	7140	0.23	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.22	88	1367	0.22	ng	#	50
3) n-Nitrosodimethylamine	3.53	42	1058	0.21	ng	#	1
6) 2-Chlorophenol	7.29	128	2790	0.20	ng		88
7) Phenol	6.91	94	3159	0.21	ng		88
8) bis(2-Chloroethyl)ether	7.15	93	2405	0.20	ng	#	38
9) 2-Methylphenol	8.17	107	1764	0.21	ng	#	92
10) 3+4-Methylphenols	8.48	107	2488	0.20	ng	#	37
13) Nitrobenzene	8.91	77	2260	0.20	ng	#	44
14) 2-Nitrophenol	9.65	139	943	0.21	ng		98
15) 2,4-Dimethylphenol	9.69	122	2246	0.20	ng	#	69
16) 2,4-Dichlorophenol	10.16	162	2165m	0.21	ng		
17) Hexachlorobutadiene	10.84	225	1717	0.21	ng		96
18) 4-Chloro-3-methylphenol	11.80	107	1803	0.21	ng	#	39
19) 2-Methylnaphthalene	12.18	142	7687	0.22	ng		94
22) 2,4,6-Trichlorophenol	12.80	196	1547m	0.20	ng		
23) 2,4,5-Trichlorophenol	12.89	196	1433m	0.19	ng		
25) 2,4-Dinitrophenol	14.53	184	54m	0.09	ng		
26) 4-Nitrophenol	14.60	139	452m	0.18	ng		
28) 4,6-Dinitro-2-methylphenol	15.50	198	407m	0.18	ng		
29) Hexachlorobenzene	16.42	284	1814	0.19	ng	#	4
30) Pentachlorophenol	16.78	266	424	0.17	ng		95
32) Benzidine	19.38	184	2239	0.18	ng	#	91
34) 3,3'-Dichlorobenzidine	21.24	252	2325	0.20	ng	#	89

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

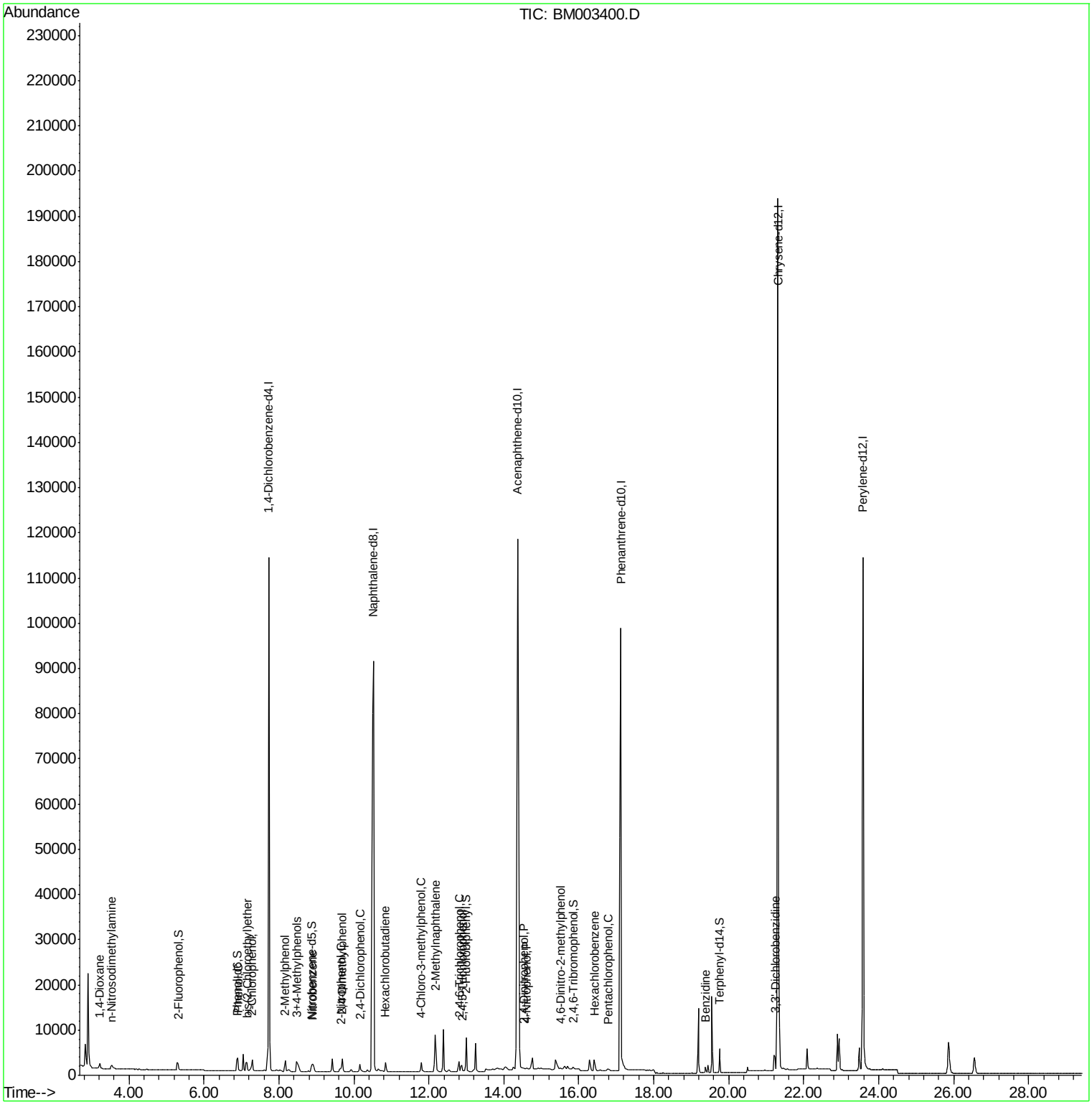
Quantitation Report (QT Reviewed)

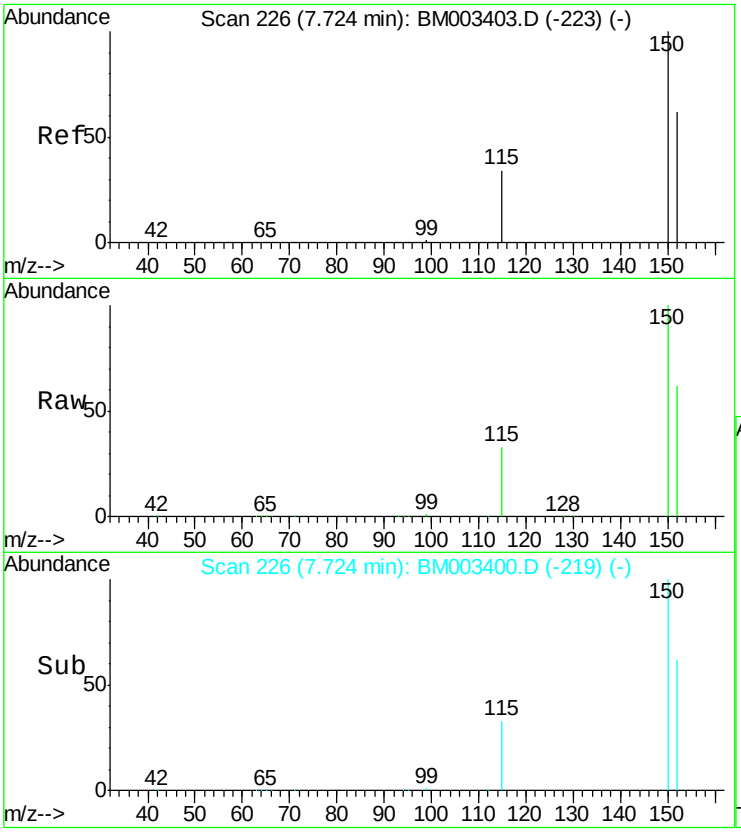
Data Path : Z:\HPCHEM1\BNA M\DATA\BM120715\
Data File : BM003400.D
Acq On : 07 Dec 2015 10:16
Operator : UM/IZ
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 07 14:42:41 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

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
Mmdadoda
12/8/2015 6:14:37 PM

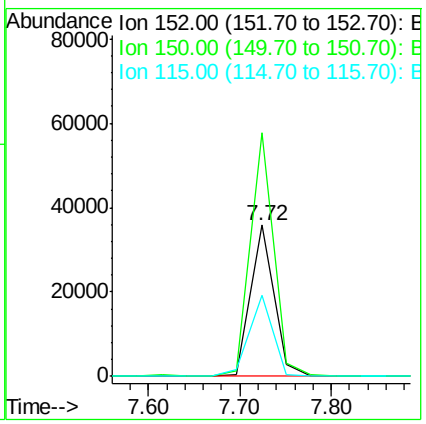




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.72 min Scan# 226
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

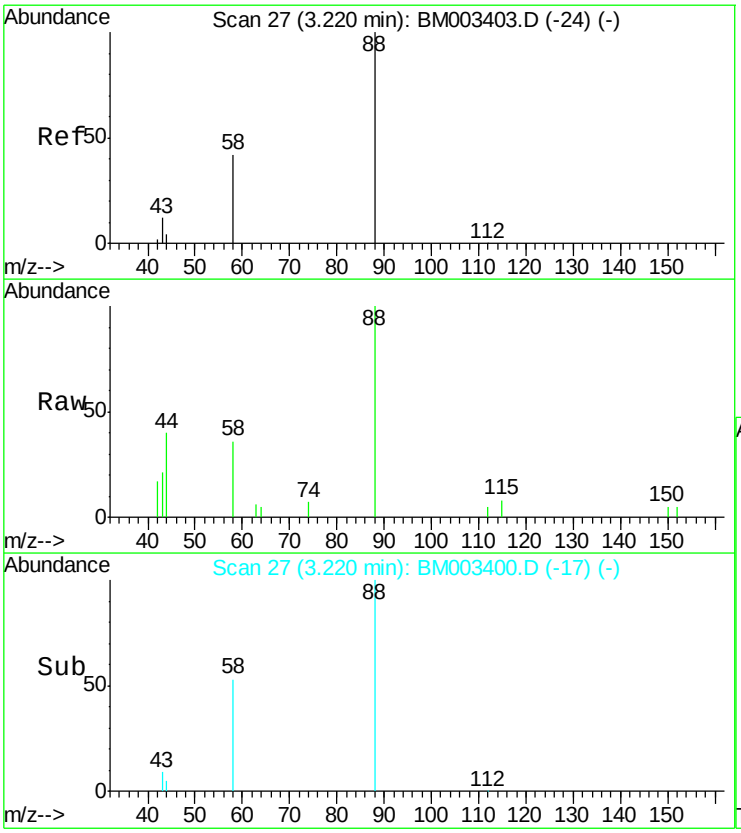
Tgt Ion:152 Resp: 63733

Ion	Ratio	Lower	Upper
152	100		
150	161.0	116.3	174.5
115	53.7	31.9	47.9#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

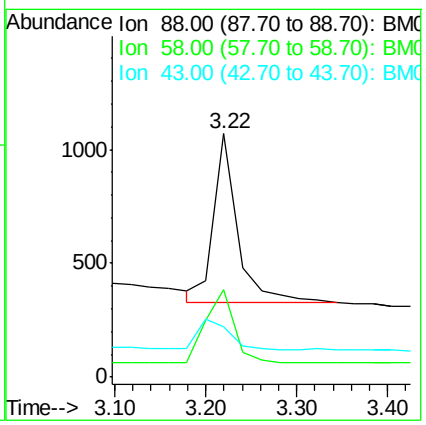
Manual Integrations APPROVED
Mmdadoda
12/8/2015 6:14:37 PM

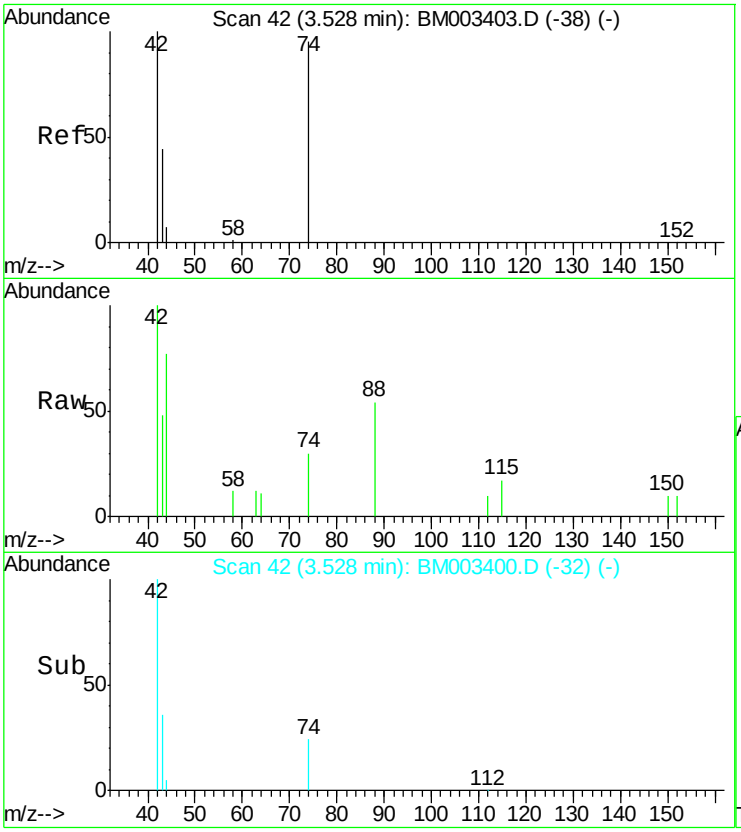


#2
1,4-Dioxane
Concen: 0.22 ng
RT: 3.22 min Scan# 27
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

Tgt Ion: 88 Resp: 1367

Ion	Ratio	Lower	Upper
88	100		
58	52.5	75.5	113.3#
43	0.0	32.7	49.1#





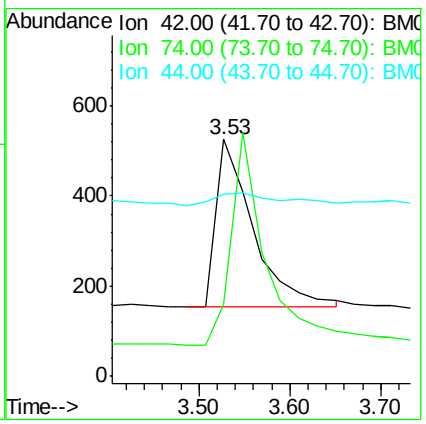
#3
n-Nitrosodimethylamine
Concen: 0.21 ng
RT: 3.53 min Scan# 42
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

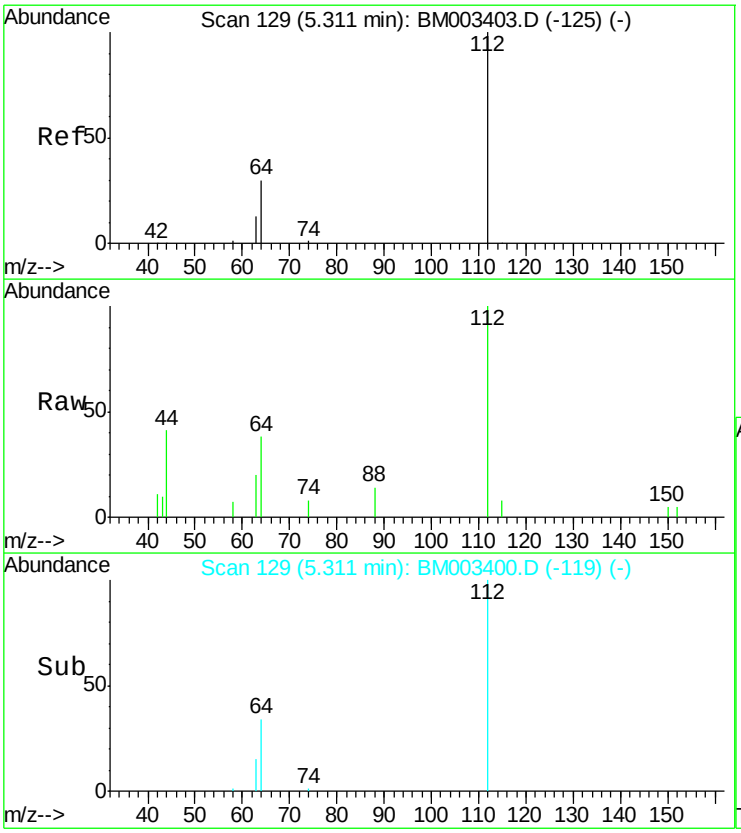
Tgt Ion: 42 Resp: 1058

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
Mmdadoda
12/8/2015 6:14:37 PM

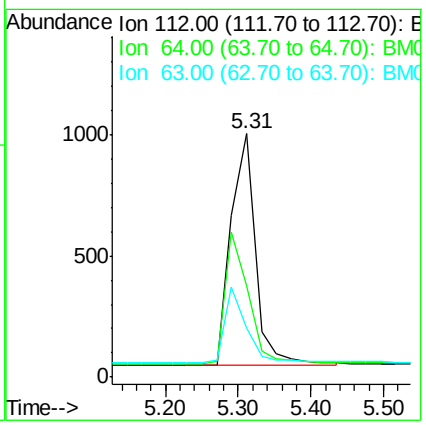


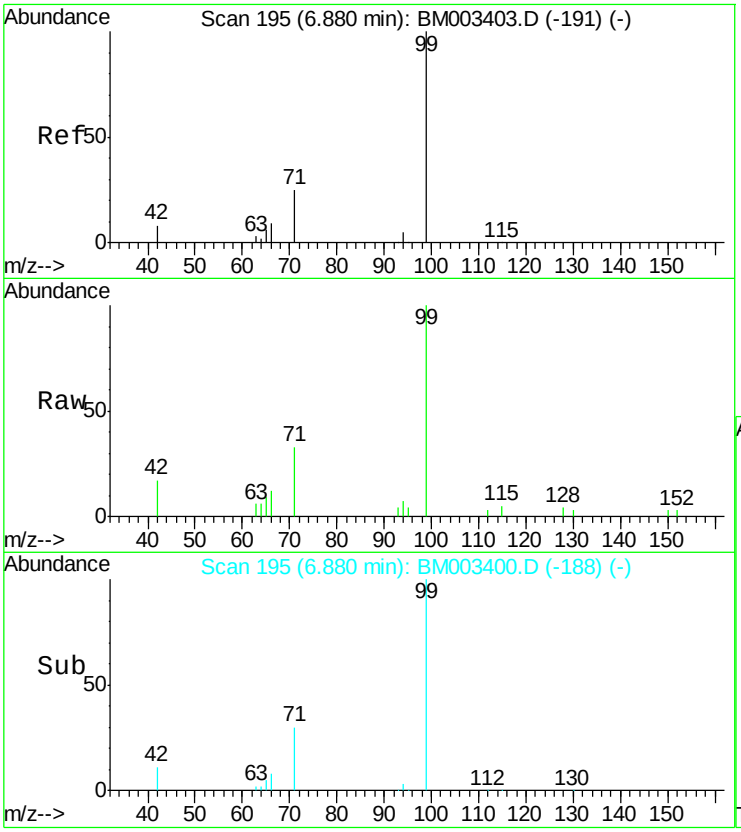


#4
2-Fluorophenol
Concen: 0.21 ng
RT: 5.31 min Scan# 129
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

Tgt Ion:112 Resp: 2258

Ion	Ratio	Lower	Upper
112	100		
64	37.5	49.3	73.9#
63	20.1	26.2	39.4#





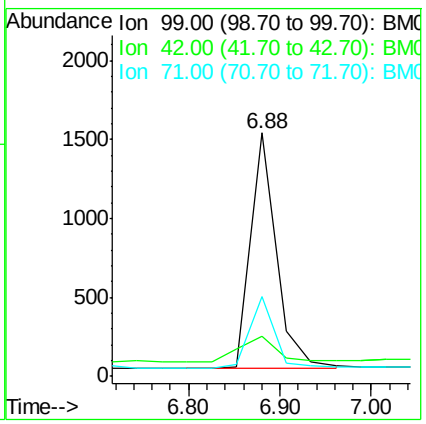
#5
Phenol-d6
Concen: 0.20 ng
RT: 6.88 min Scan# 195
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

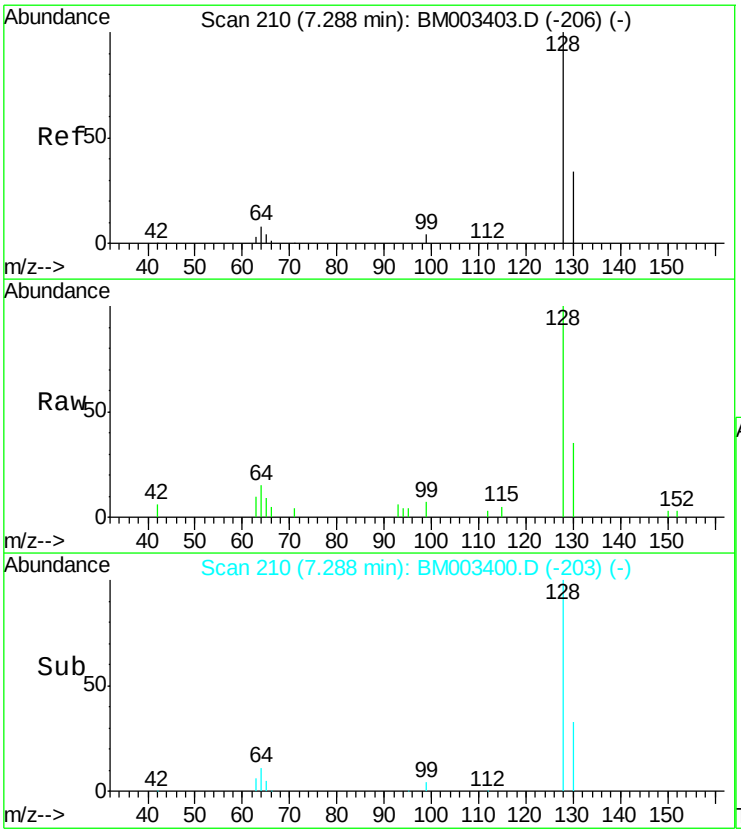
Tgt Ion: 99 Resp: 2945

Ion	Ratio	Lower	Upper
99	100		
42	16.7	12.1	18.1
71	32.7	26.4	39.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
Mmdadoda
12/8/2015 6:14:37 PM

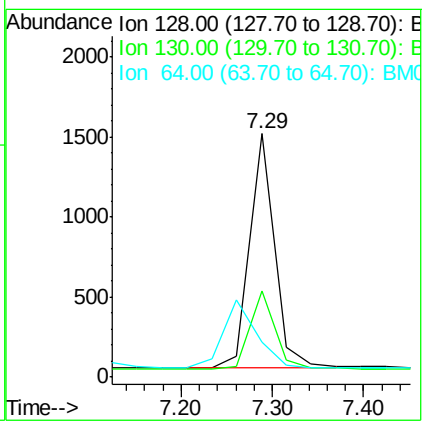


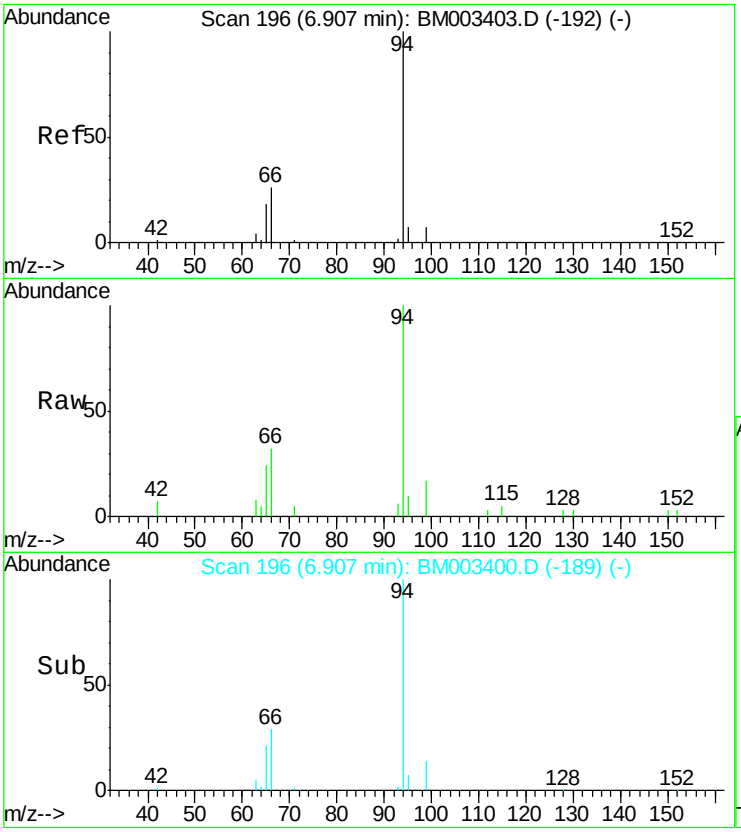


#6
2-Chlorophenol
Concen: 0.20 ng
RT: 7.29 min Scan# 210
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

Tgt Ion:128 Resp: 2790

Ion	Ratio	Lower	Upper
128	100		
130	35.1	22.2	62.2
64	14.6	0.0	28.7

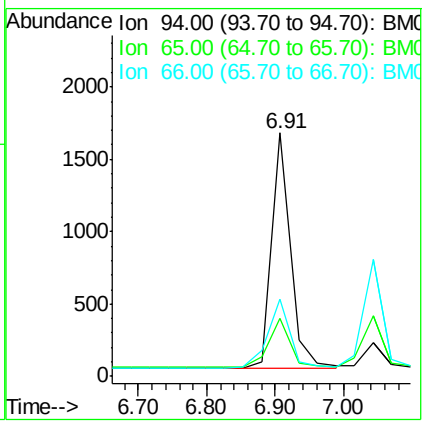




#7
Phenol
Concen: 0.21 ng
RT: 6.91 min Scan# 196
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

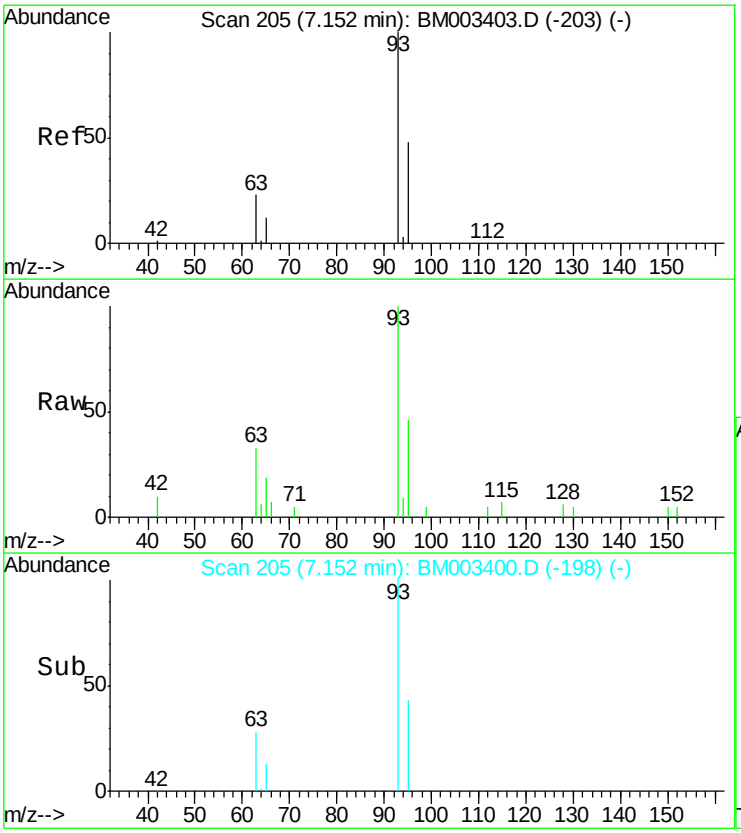
Tgt Ion: 94 Resp: 3159

Ion	Ratio	Lower	Upper
94	100		
65	23.8	0.0	37.7
66	31.8	6.3	46.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

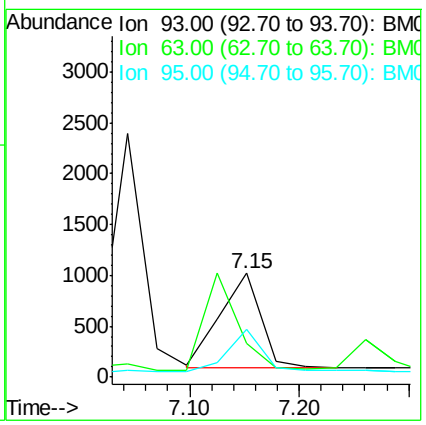
Manual Integrations APPROVED
Mmdadoda
12/8/2015 6:14:37 PM

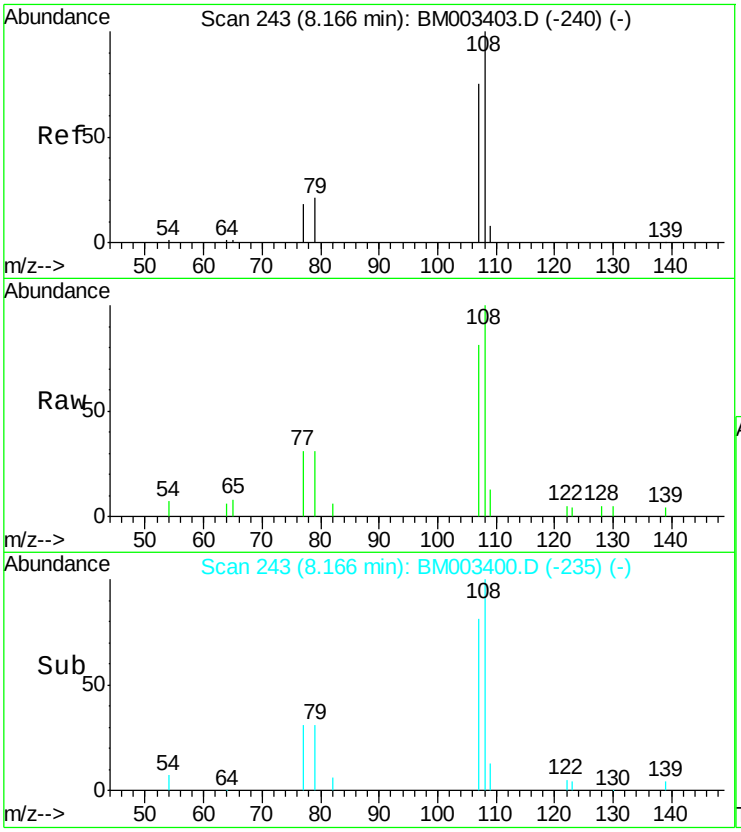


#8
bis(2-Chloroethyl)ether
Concen: 0.20 ng
RT: 7.15 min Scan# 205
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

Tgt Ion: 93 Resp: 2405

Ion	Ratio	Lower	Upper
93	100		
63	0.0	58.2	87.4#
95	36.7	26.2	39.4

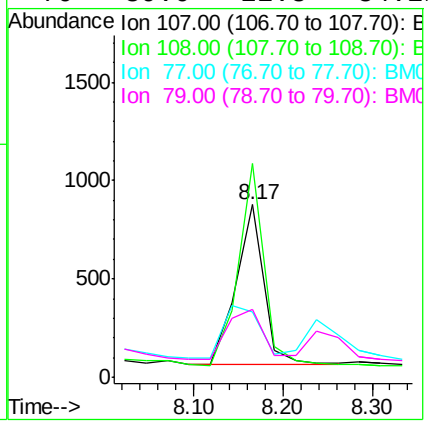




#9
2-Methylphenol
Concen: 0.21 ng
RT: 8.17 min Scan# 243
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

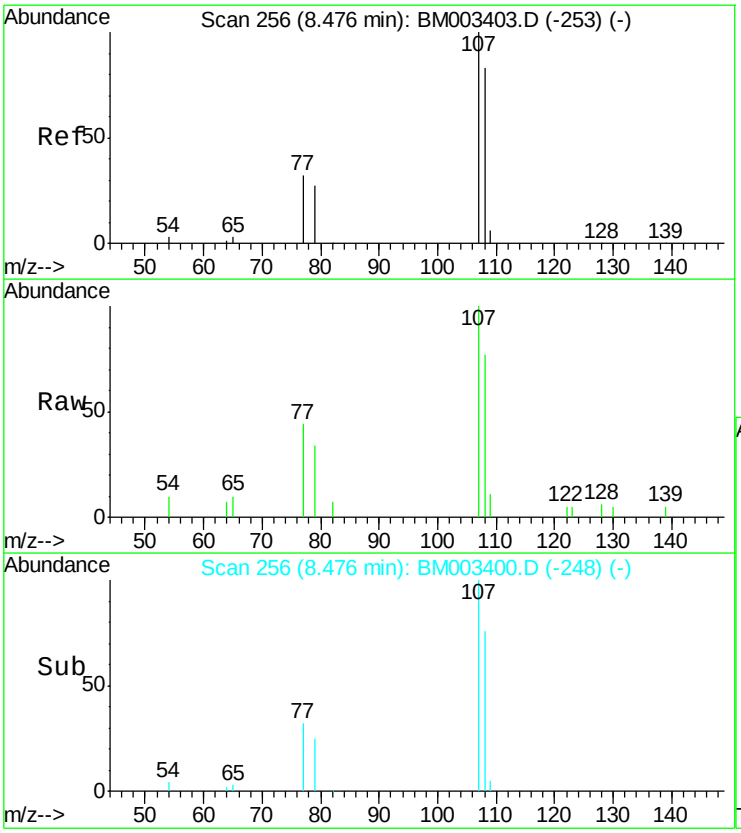
Tgt Ion:107 Resp: 1764

Ion	Ratio	Lower	Upper
107	100		
108	123.8	100.9	151.3
77	37.9	20.3	30.5#
79	39.0	22.8	34.2#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

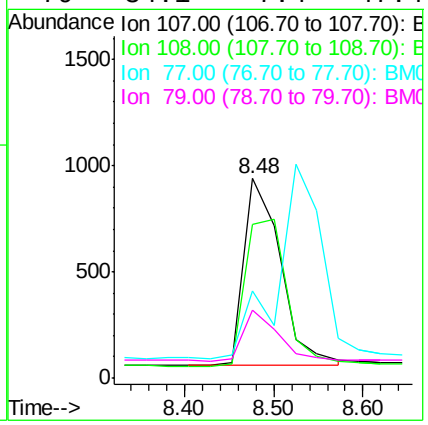
Manual Integrations APPROVED
Mmdadoda
12/8/2015 6:14:37 PM

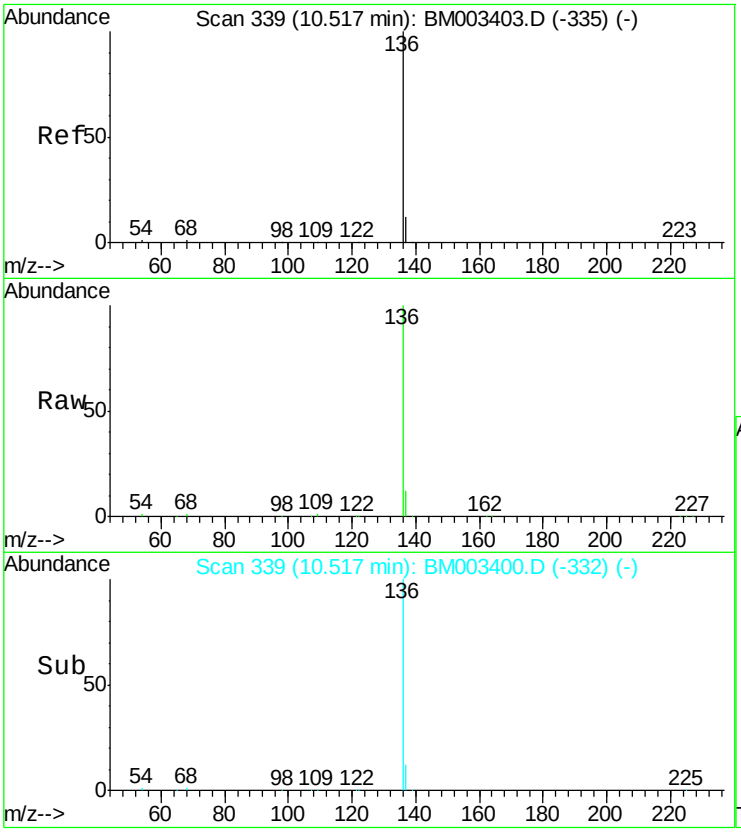


#10
3+4-Methylphenols
Concen: 0.20 ng
RT: 8.48 min Scan# 256
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

Tgt Ion:107 Resp: 2488

Ion	Ratio	Lower	Upper
107	100		
108	76.9	86.3	126.3#
77	43.6	151.7	191.7#
79	34.1	7.4	47.4

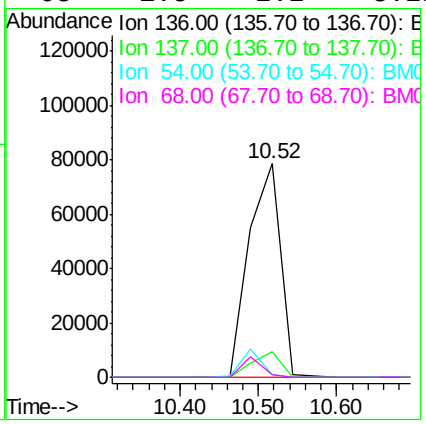




#11
Naphthalene-d8
Concen: 5.00 ng
RT: 10.52 min Scan# 339
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

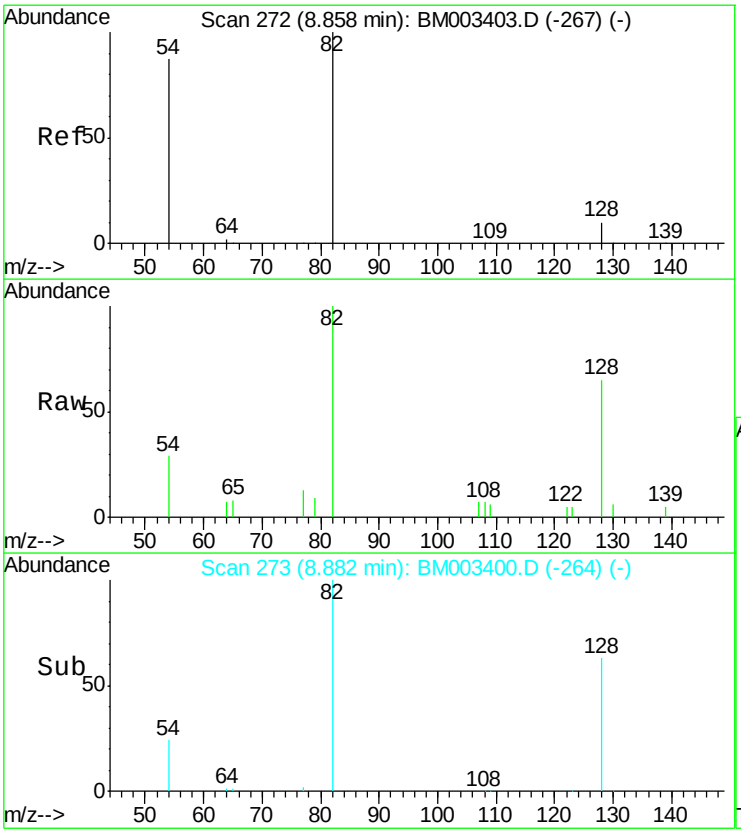
Tgt Ion:136 Resp: 220686

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.1	13.7
54	1.1	2.6	3.8#
68	1.5	2.2	3.2#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

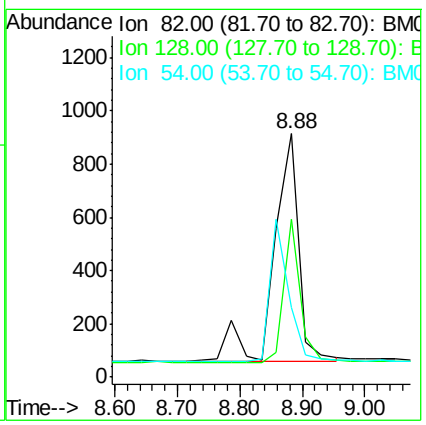
Manual Integrations APPROVED
Mmdadoda
12/8/2015 6:14:37 PM

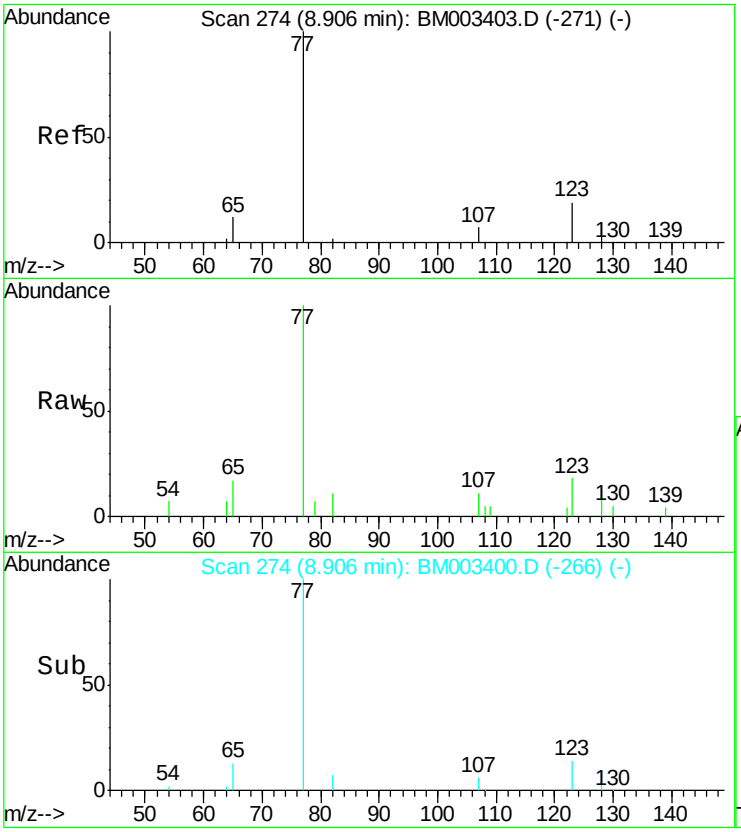


#12
Nitrobenzene-d5
Concen: 0.21 ng
RT: 8.88 min Scan# 273
Delta R.T. 0.02 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

Tgt Ion: 82 Resp: 2336

Ion	Ratio	Lower	Upper
82	100		
128	42.9	0.0	0.0#
54	0.0	59.0	88.6#

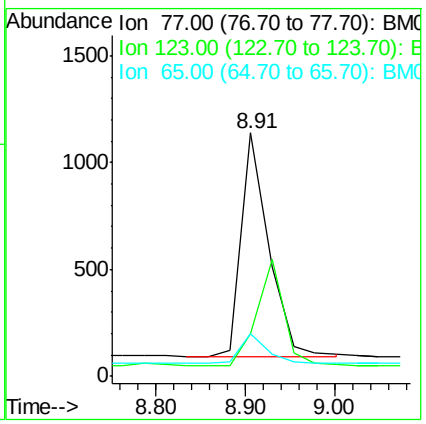




#13
Nitrobenzene
Concen: 0.20 ng
RT: 8.91 min Scan# 274
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

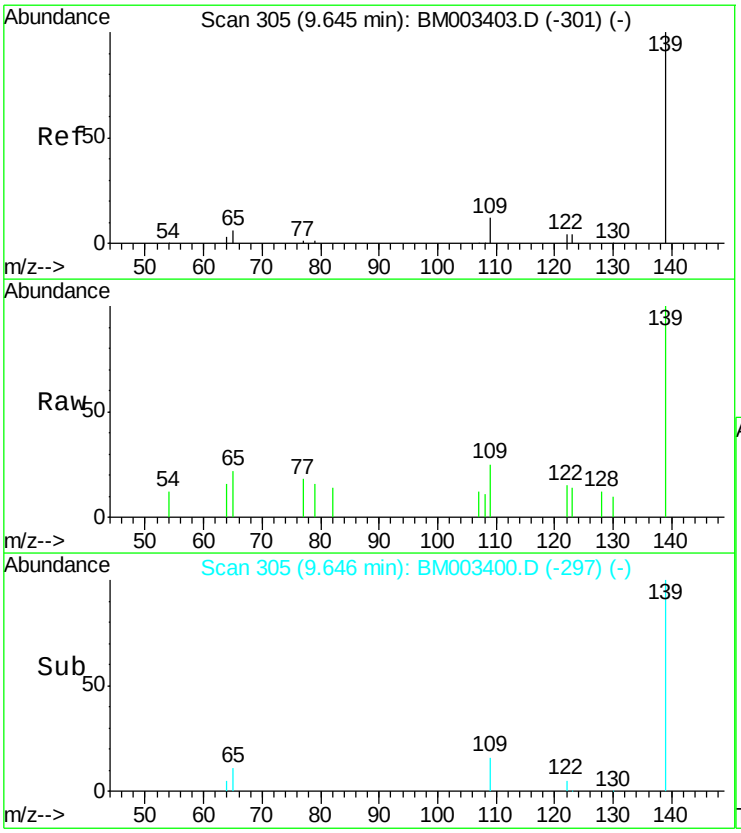
Tgt Ion: 77 Resp: 2260

Ion	Ratio	Lower	Upper
77	100		
123	0.0	37.7	56.5#
65	12.0	9.8	14.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

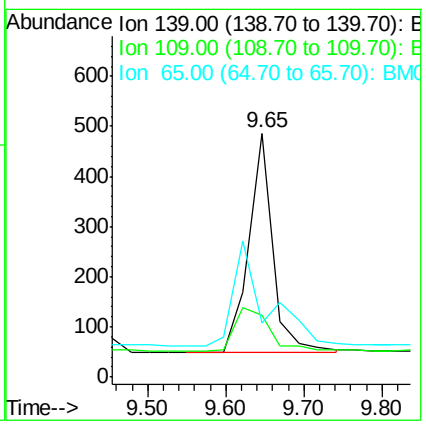
Manual Integrations APPROVED
Mmdadoda
12/8/2015 6:14:37 PM

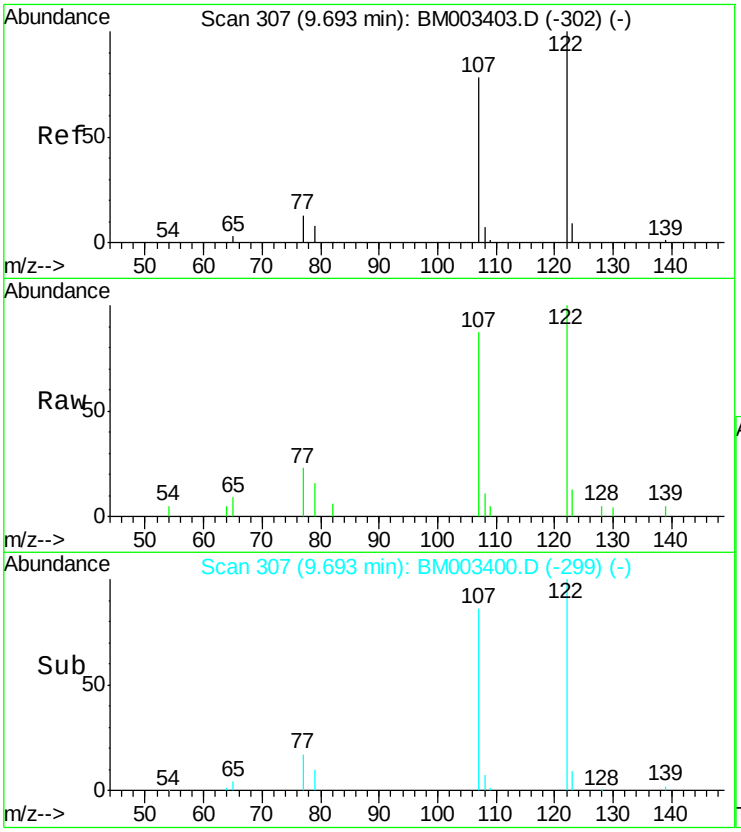


#14
2-Nitrophenol
Concen: 0.21 ng
RT: 9.65 min Scan# 305
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

Tgt Ion:139 Resp: 943

Ion	Ratio	Lower	Upper
139	100		
109	25.1	19.5	29.3
65	22.2	18.6	28.0

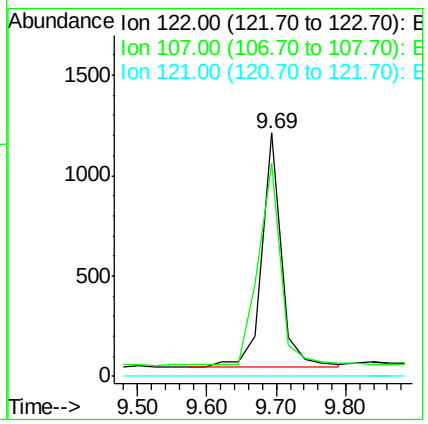




#15
2,4-Dimethylphenol
Concen: 0.20 ng
RT: 9.69 min Scan# 307
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

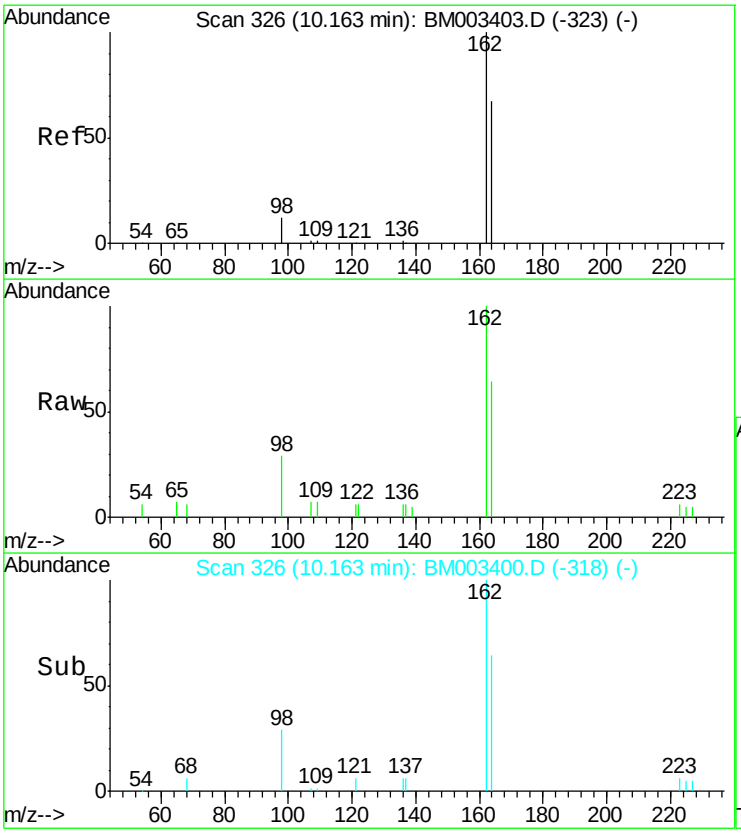
Tgt Ion:122 Resp: 2246

Ion	Ratio	Lower	Upper
122	100		
107	87.5	68.6	102.8
121	0.0	44.8	67.2#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

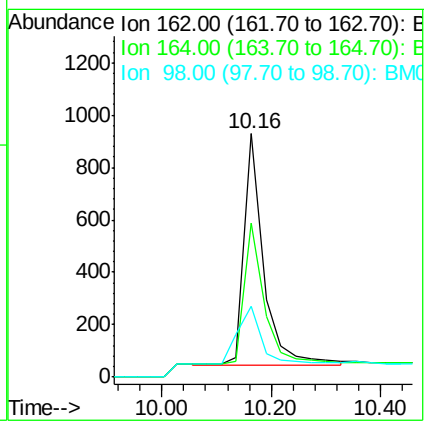
Manual Integrations APPROVED
Mmdadoda
12/8/2015 6:14:37 PM

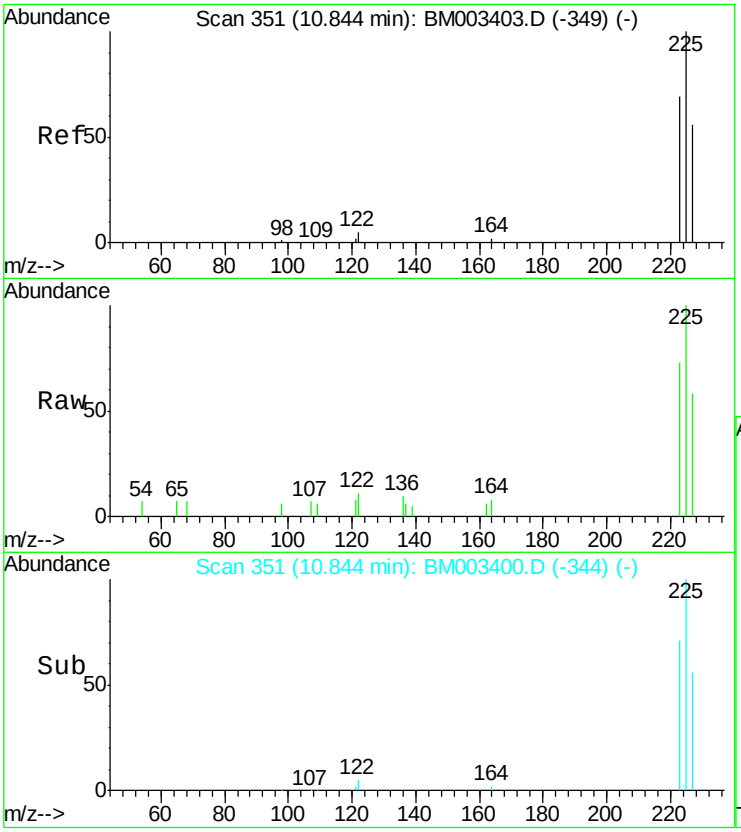


#16
2,4-Dichlorophenol
Concen: 0.21 ng m
RT: 10.16 min Scan# 326
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

Tgt Ion:162 Resp: 2165

Ion	Ratio	Lower	Upper
162	100		
164	63.5	49.2	89.2
98	28.8	0.0	37.4

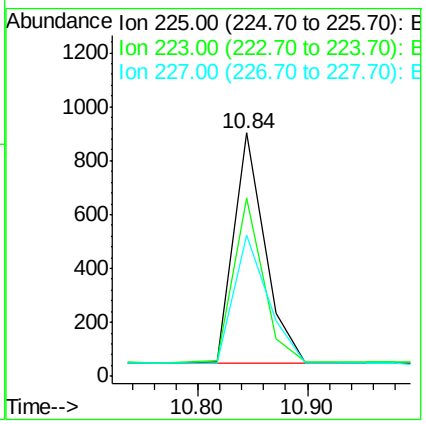




#17
Hexachlorobutadiene
Concen: 0.21 ng
RT: 10.84 min Scan# 351
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

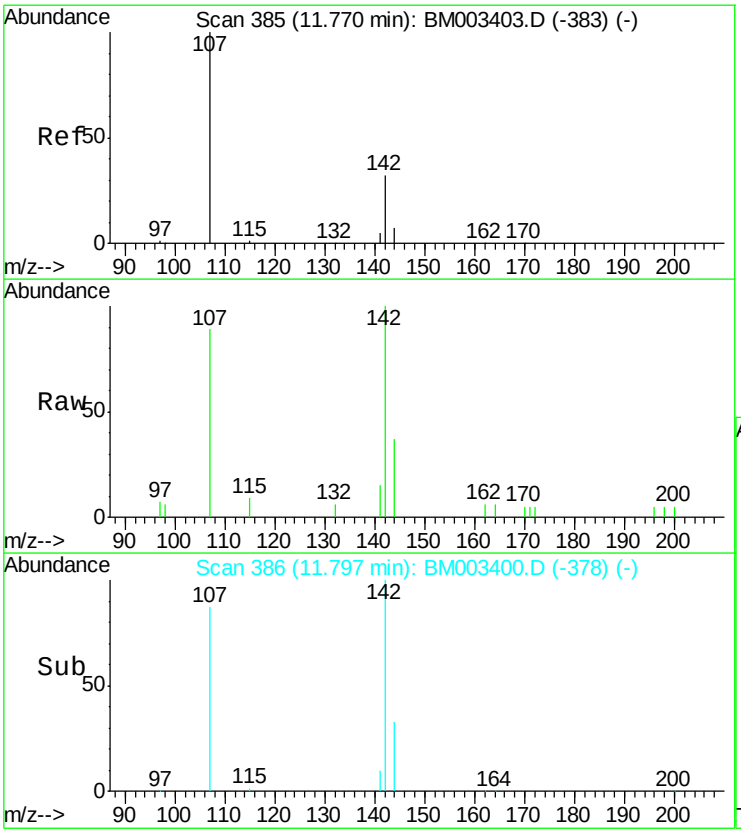
Tgt Ion:225 Resp: 1717

Ion	Ratio	Lower	Upper
225	100		
223	67.3	53.0	79.4
227	60.6	52.2	78.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

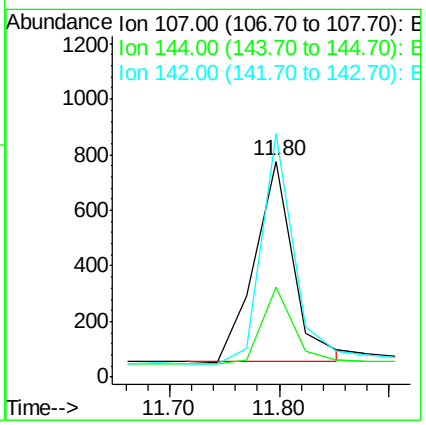
Manual Integrations APPROVED
Mmdadoda
12/8/2015 6:14:37 PM

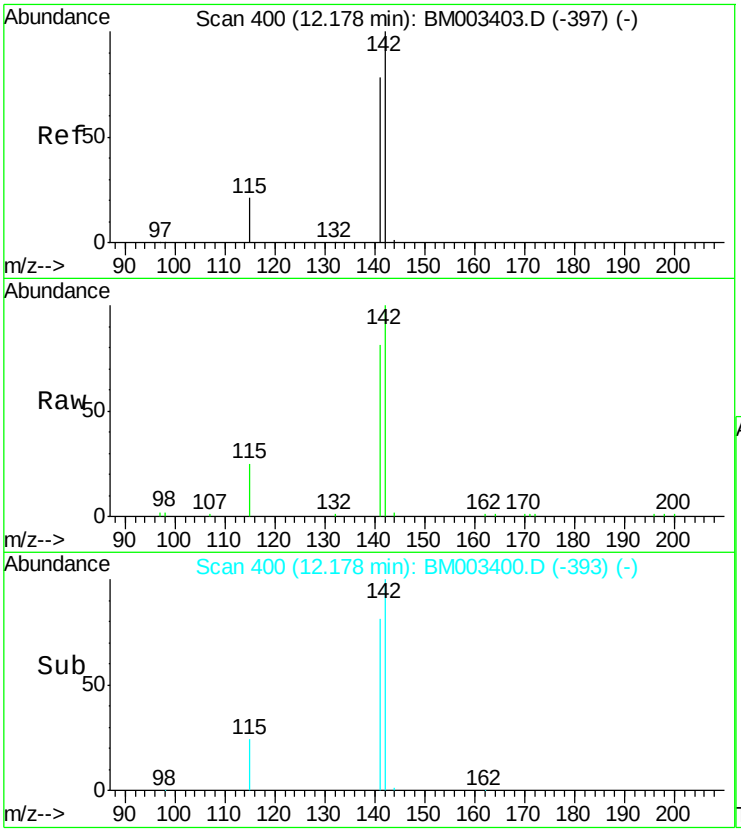


#18
4-Chloro-3-methylphenol
Concen: 0.21 ng
RT: 11.80 min Scan# 386
Delta R.T. 0.03 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

Tgt Ion:107 Resp: 1803

Ion	Ratio	Lower	Upper
107	100		
144	41.9	16.2	24.2#
142	112.9	49.8	74.6#

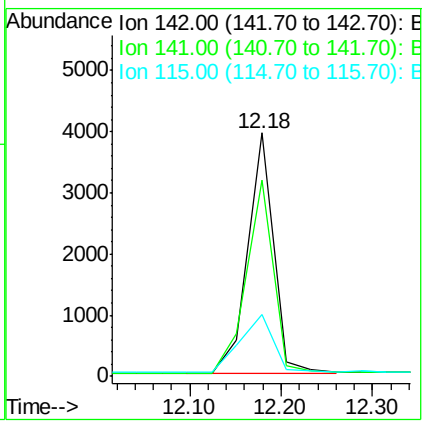




#19
2-Methylnaphthalene
Concen: 0.22 ng
RT: 12.18 min Scan# 400
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

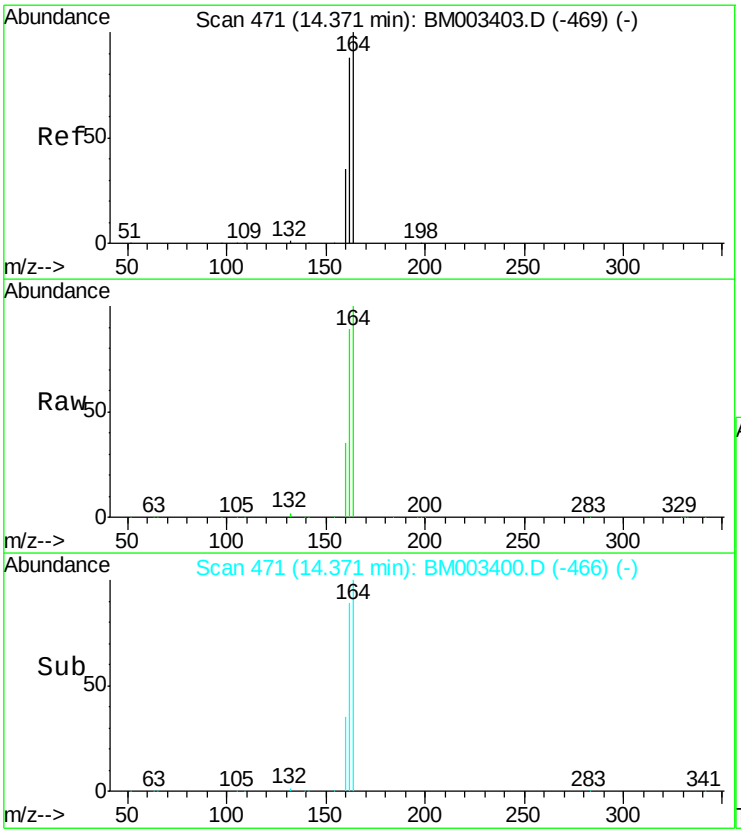
Tgt Ion:142 Resp: 7687

Ion	Ratio	Lower	Upper
142	100		
141	85.3	71.4	107.0
115	30.7	29.3	43.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

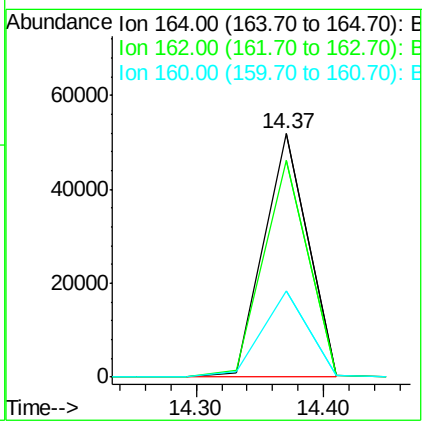
Manual Integrations APPROVED
Mmdadoda
12/8/2015 6:14:37 PM

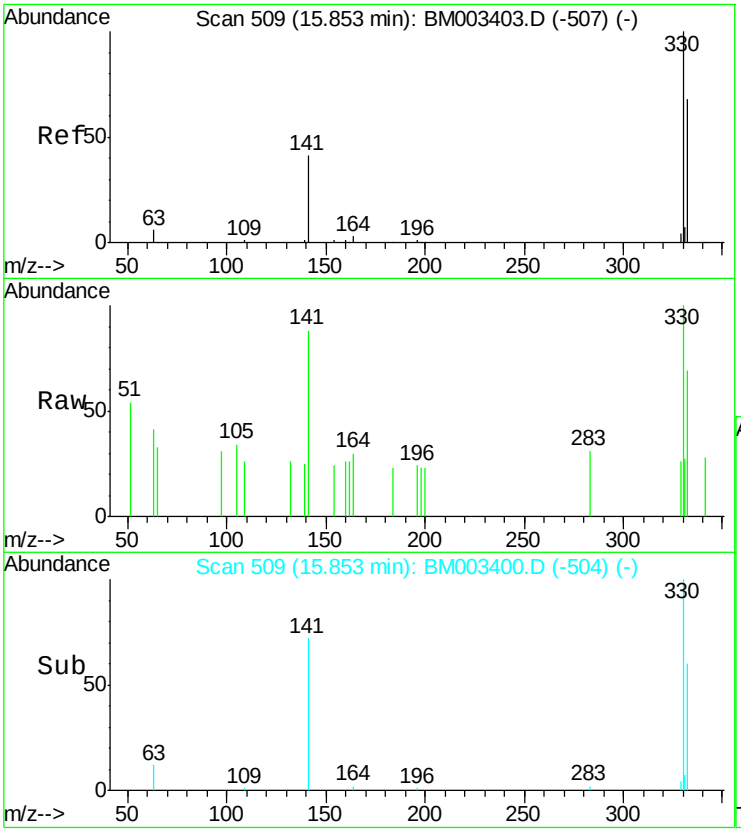


#20
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.37 min Scan# 471
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

Tgt Ion:164 Resp: 124038

Ion	Ratio	Lower	Upper
164	100		
162	89.0	79.2	118.8
160	35.5	33.7	50.5





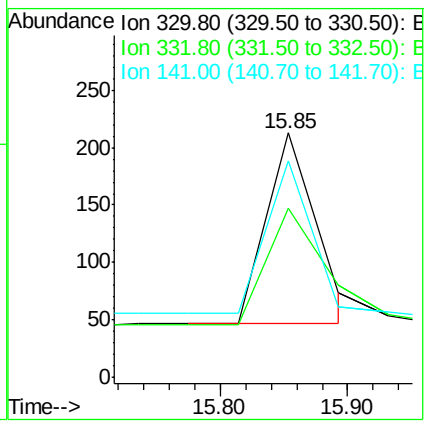
#21
2,4,6-Tribromophenol
Concen: 0.17 ng
RT: 15.85 min Scan# 509
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

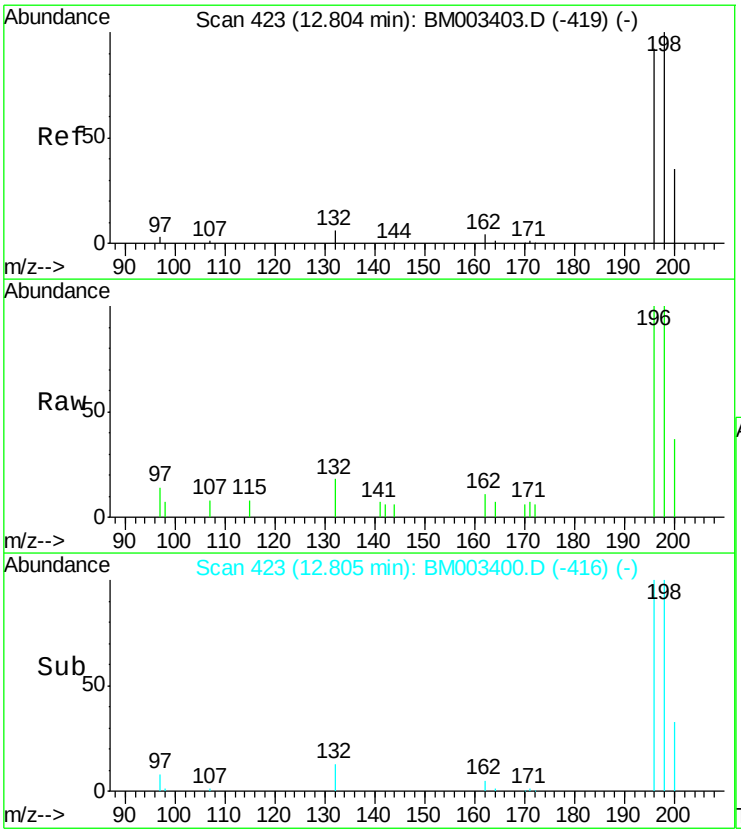
Tgt Ion:330 Resp: 449

Ion	Ratio	Lower	Upper
330	100		
332	70.4	74.0	111.0#
141	73.1	24.1	36.1#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
Mmdadoda
12/8/2015 6:14:37 PM

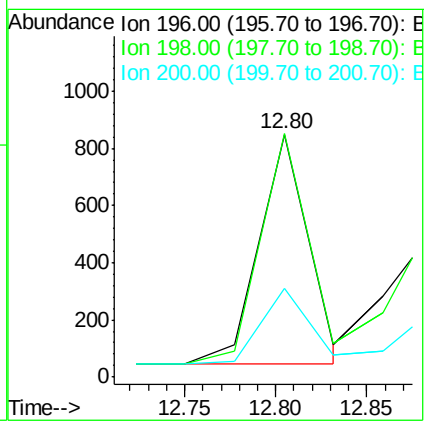


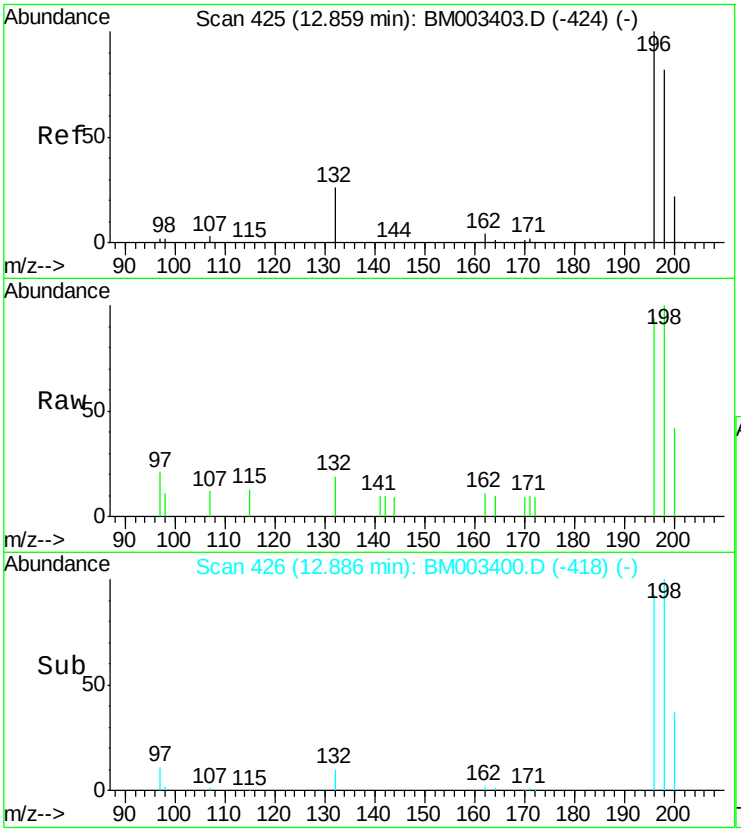


#22
2,4,6-Trichlorophenol
Concen: 0.20 ng m
RT: 12.80 min Scan# 423
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

Tgt Ion:196 Resp: 1547

Ion	Ratio	Lower	Upper
196	100		
198	100.4	54.2	81.2#
200	36.7	17.1	25.7#

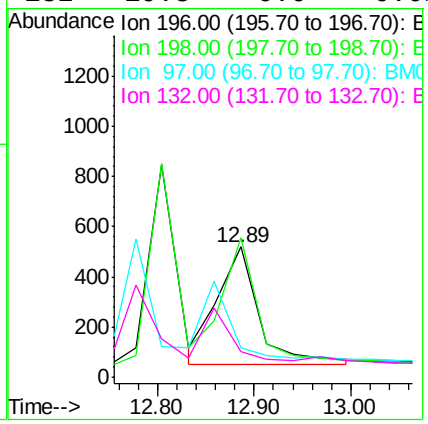




#23
2,4,5-Trichlorophenol
Concen: 0.19 ng m
RT: 12.89 min Scan# 426
Delta R.T. 0.03 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

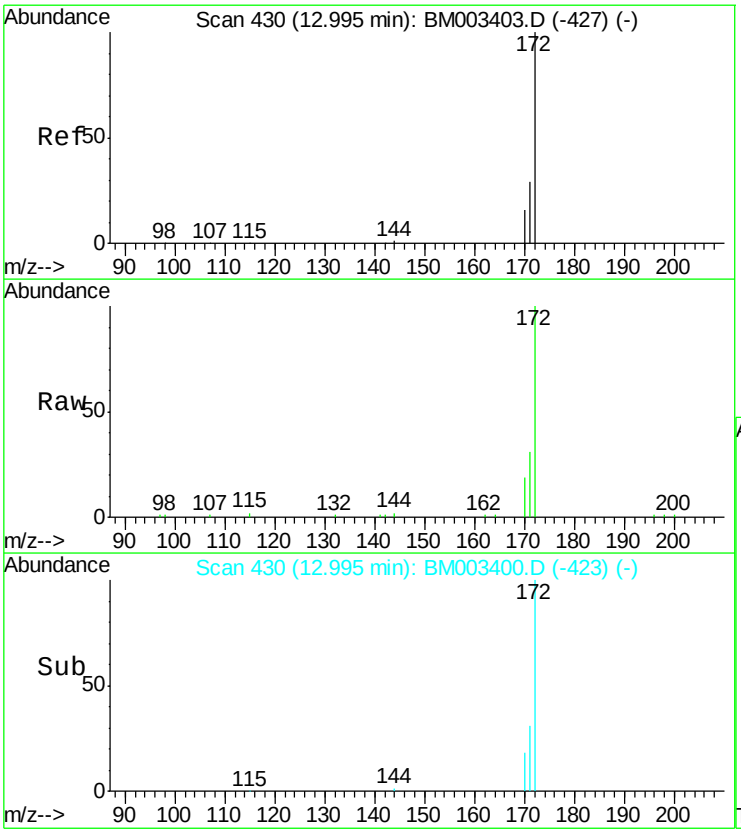
Tgt Ion:196 Resp: 1433

Ion	Ratio	Lower	Upper
196	100		
198	106.7	73.6	110.4
97	22.7	0.0	0.0#
132	19.8	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

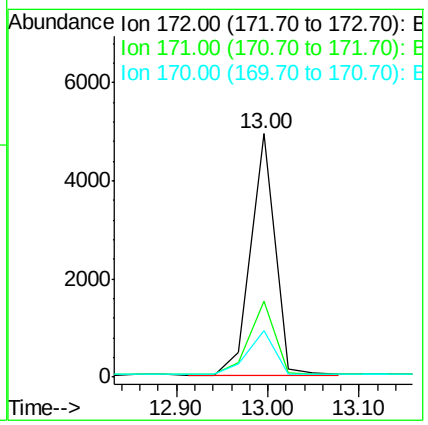
Manual Integrations APPROVED
Mmdadoda
12/8/2015 6:14:37 PM

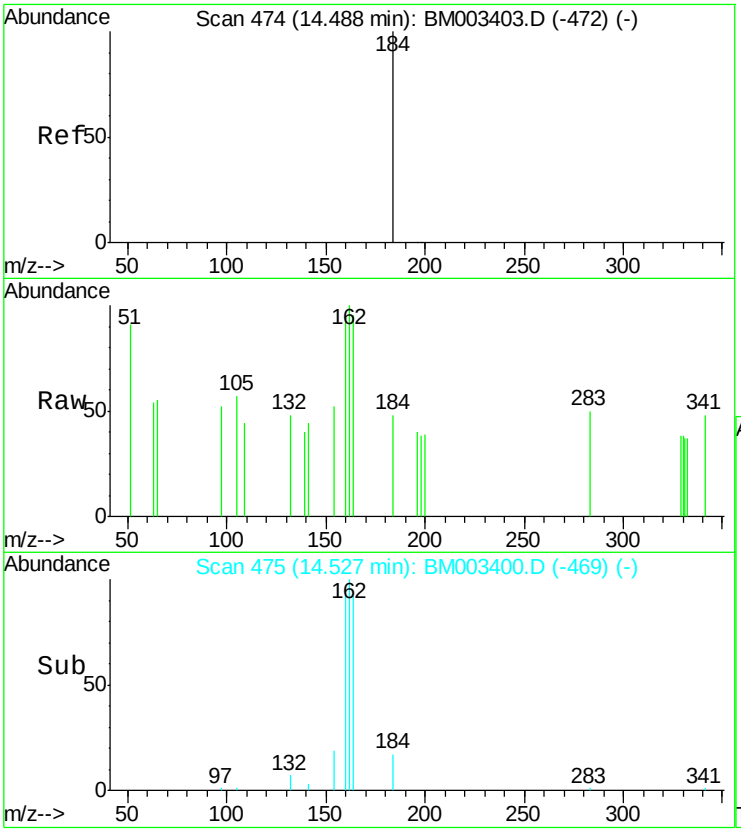


#24
2-Fluorobiphenyl
Concen: 0.20 ng
RT: 13.00 min Scan# 430
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

Tgt Ion:172 Resp: 9063

Ion	Ratio	Lower	Upper
172	100		
171	32.3	28.0	42.0
170	20.7	18.9	28.3

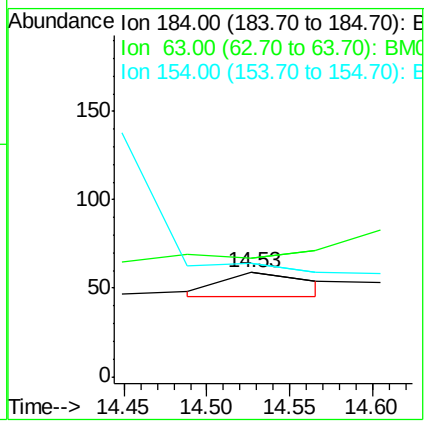




#25
2,4-Dinitrophenol
Concen: 0.09 ng m
RT: 14.53 min Scan# 475
Delta R.T. 0.04 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

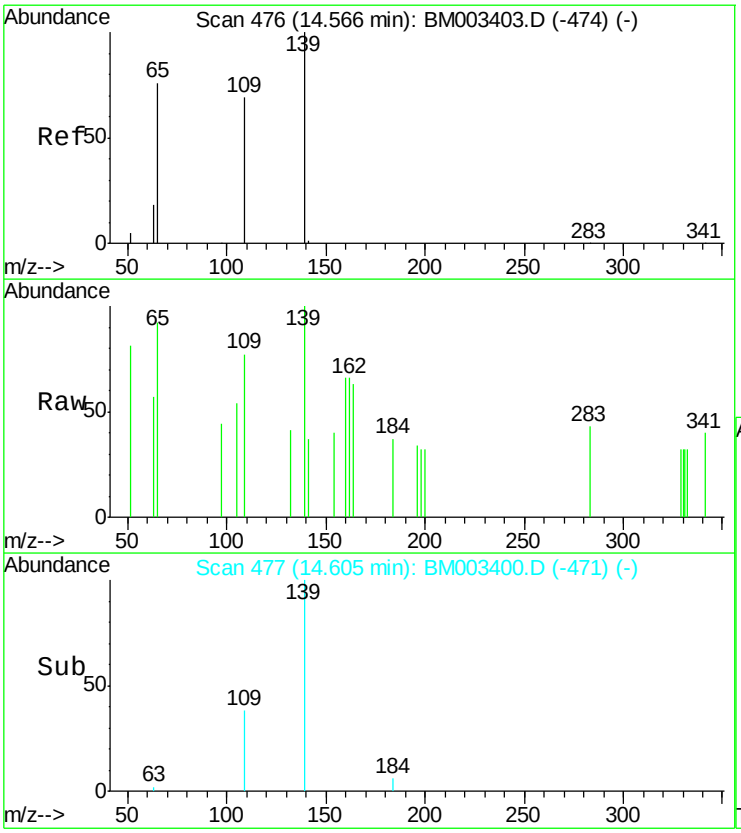
Tgt Ion:184 Resp: 54

Ion	Ratio	Lower	Upper
184	100		
63	113.6	52.0	78.0#
154	108.5	51.4	77.2#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

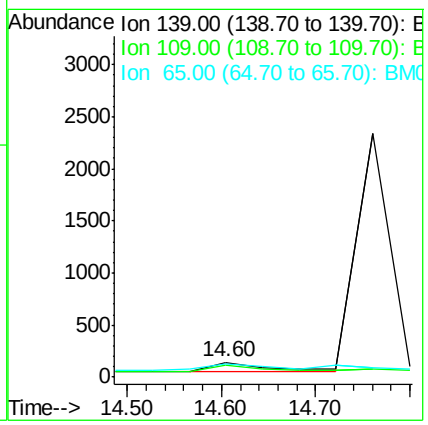
Manual Integrations APPROVED
Mmdadoda
12/8/2015 6:14:37 PM

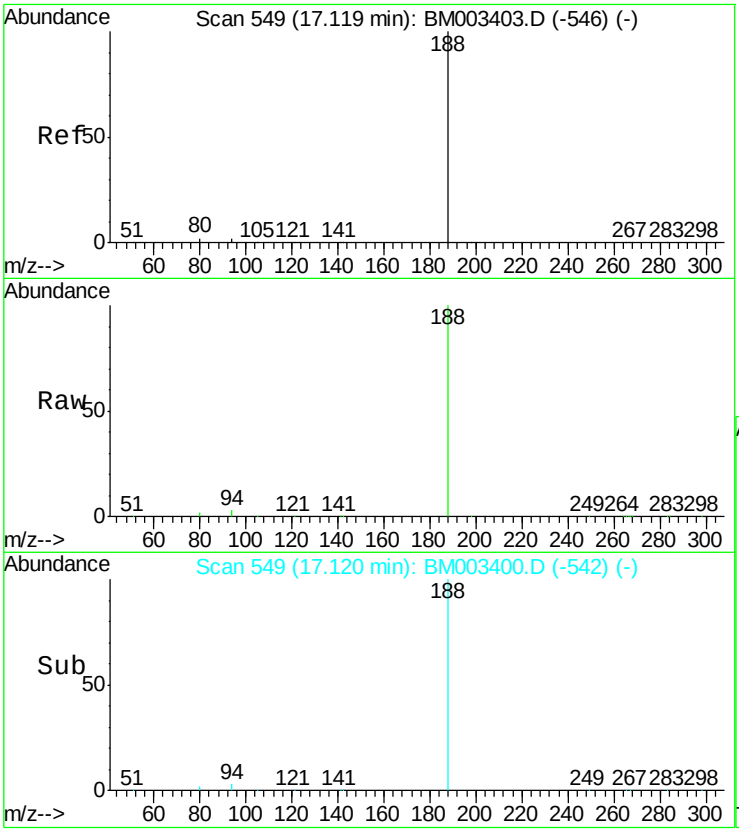


#26
4-Nitrophenol
Concen: 0.18 ng m
RT: 14.60 min Scan# 477
Delta R.T. 0.04 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

Tgt Ion:139 Resp: 452

Ion	Ratio	Lower	Upper
139	100		
109	76.6	60.0	100.0
65	91.7	85.7	125.7





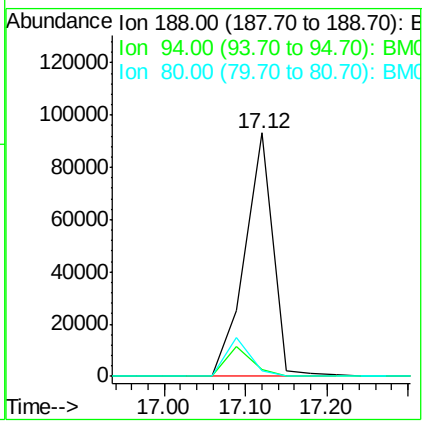
#27
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.12 min Scan# 549
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

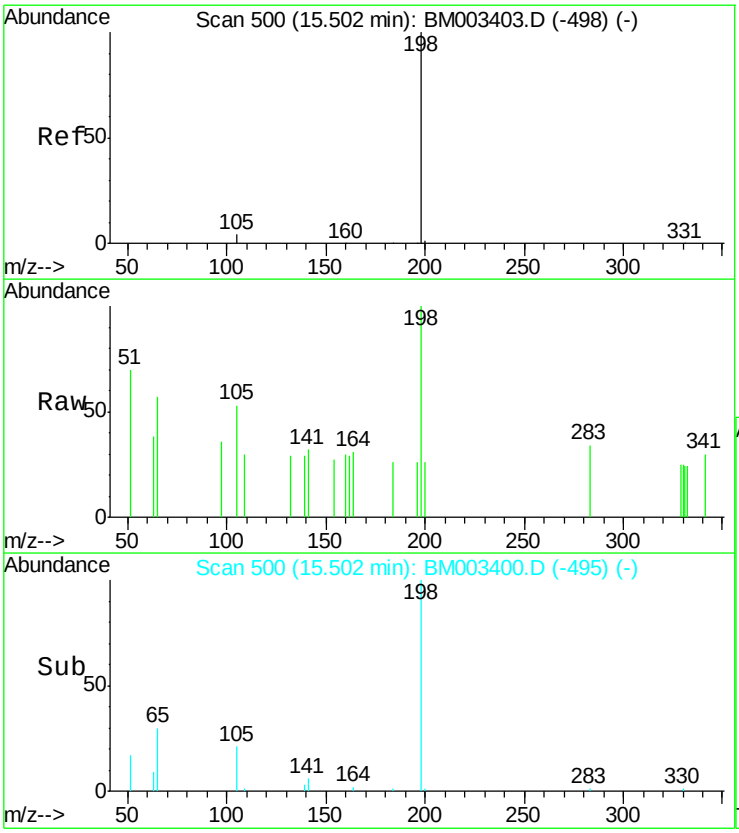
Tgt Ion:188 Resp: 224304

Ion	Ratio	Lower	Upper
188	100		
94	2.7	2.9	4.3#
80	2.1	2.5	3.7#

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
Mmdadoda
12/8/2015 6:14:37 PM

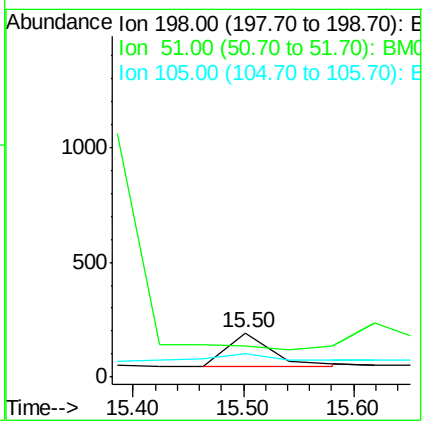


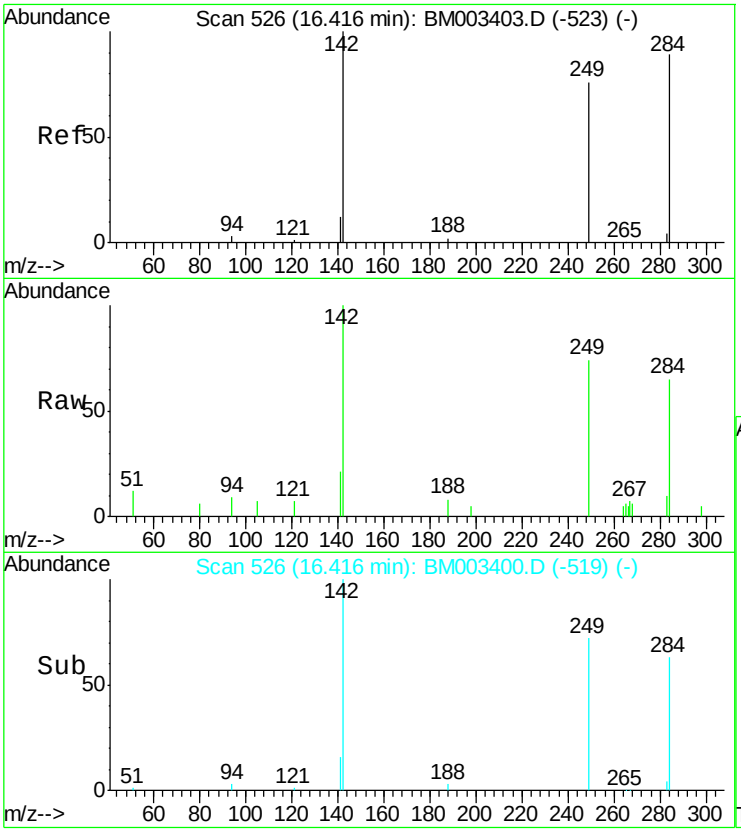


#28
4,6-Dinitro-2-methylphenol
Concen: 0.18 ng m
RT: 15.50 min Scan# 500
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

Tgt Ion:198 Resp: 407

Ion	Ratio	Lower	Upper
198	100		
51	69.6	60.8	100.8
105	53.4	30.0	70.0

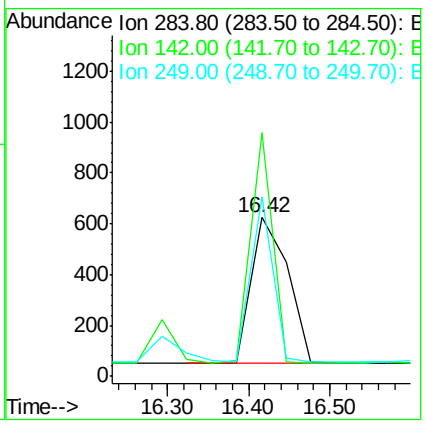




#29
Hexachlorobenzene
Concen: 0.19 ng
RT: 16.42 min Scan# 526
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

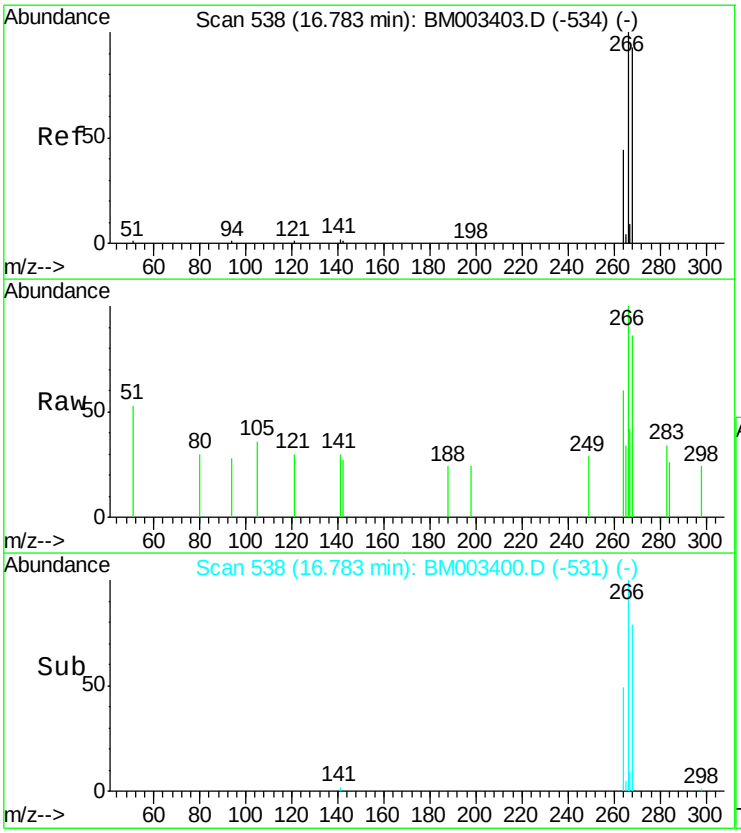
Tgt Ion:284 Resp: 1814

Ion	Ratio	Lower	Upper
284	100		
142	93.4	23.3	34.9#
249	67.0	23.3	34.9#



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

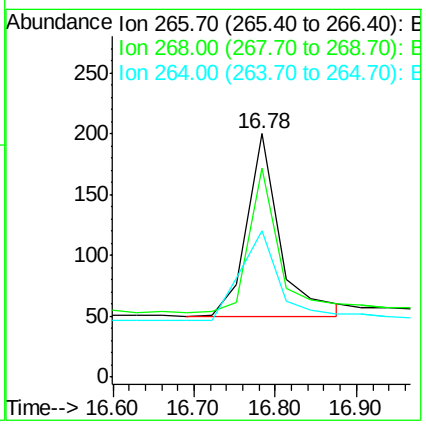
Manual Integrations APPROVED
Mmdadoda
12/8/2015 6:14:37 PM

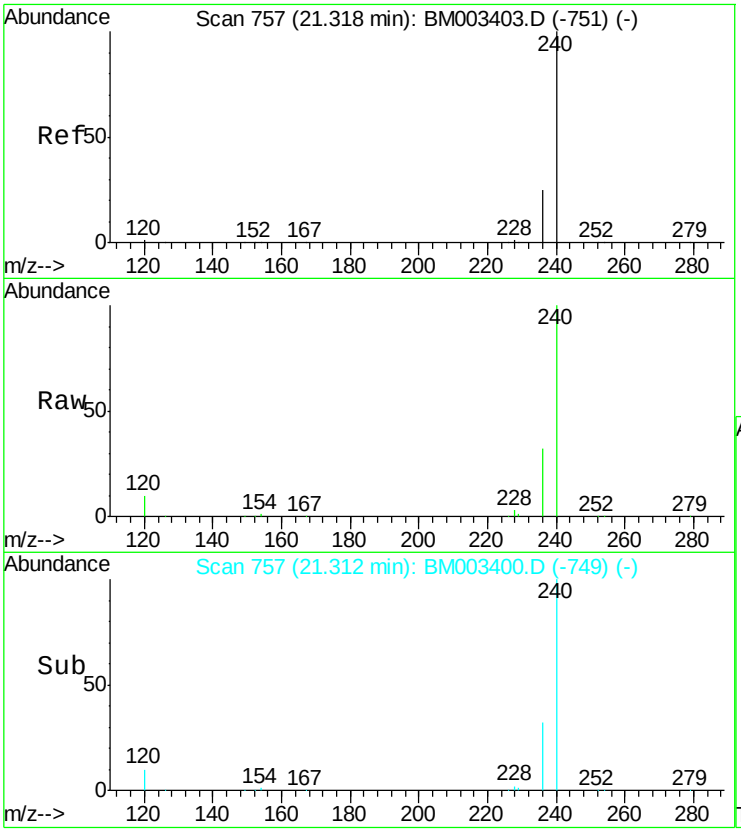


#30
Pentachlorophenol
Concen: 0.17 ng
RT: 16.78 min Scan# 538
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

Tgt Ion:266 Resp: 424

Ion	Ratio	Lower	Upper
266	100		
268	86.0	62.6	94.0
264	60.0	47.9	71.9

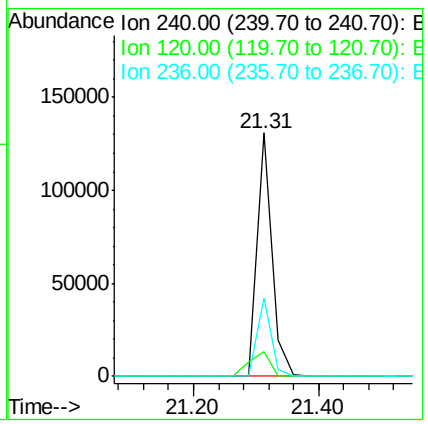




#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 757
Delta R.T. -0.01 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

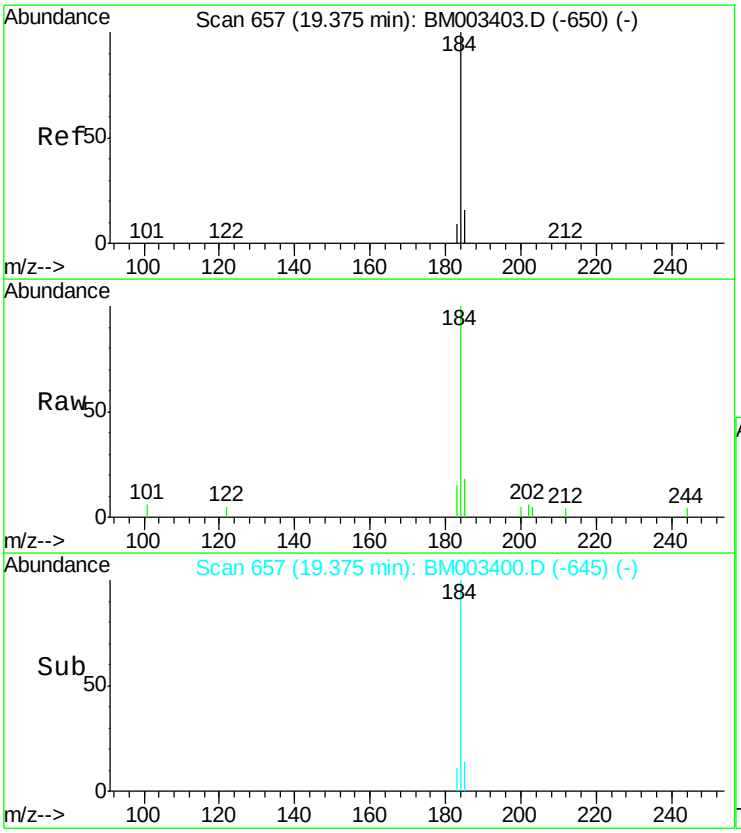
Tgt Ion:240 Resp: 218426

Ion	Ratio	Lower	Upper
240	100		
120	10.3	10.4	15.6#
236	32.4	22.0	33.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

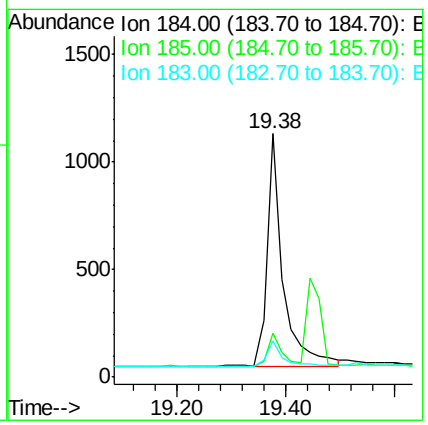
Manual Integrations APPROVED
Mmdadoda
12/8/2015 6:14:37 PM

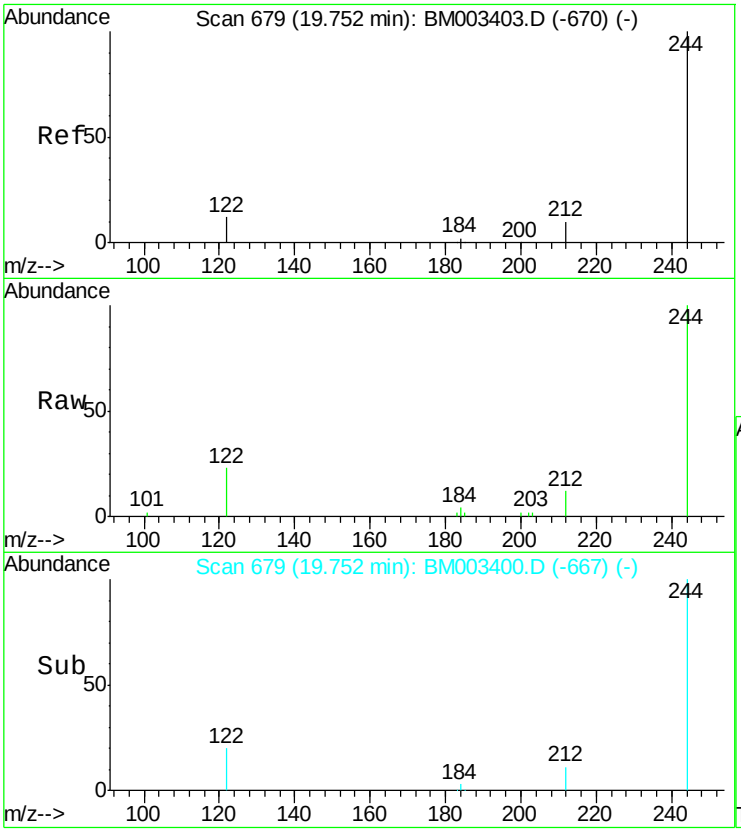


#32
Benzidine
Concen: 0.18 ng
RT: 19.38 min Scan# 657
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

Tgt Ion:184 Resp: 2239

Ion	Ratio	Lower	Upper
184	100		
185	18.1	11.6	17.4#
183	14.7	8.6	13.0#

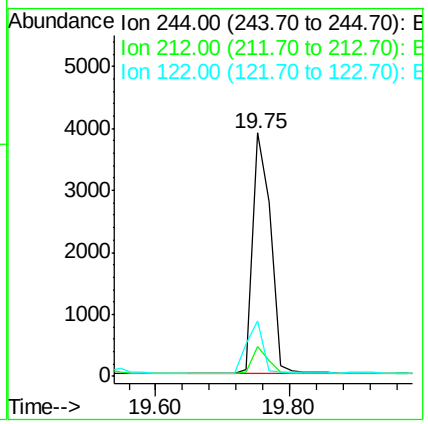




#33
Terphenyl-d14
Concen: 0.23 ng
RT: 19.75 min Scan# 679
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

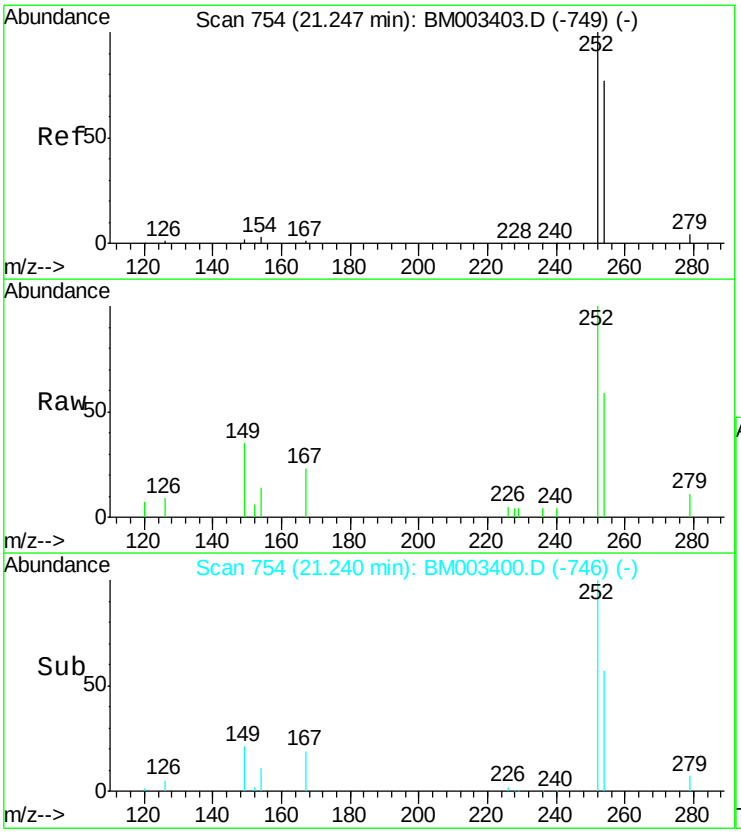
Tgt Ion:244 Resp: 7140

Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.3	10.9
122	19.9	14.8	22.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

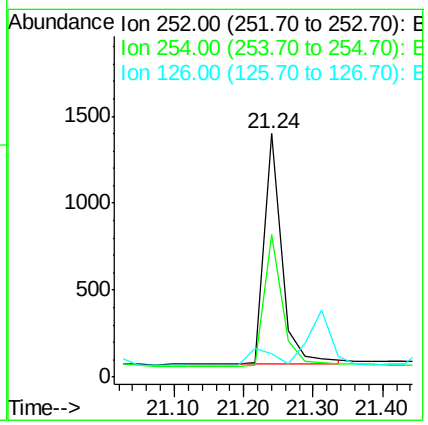
Manual Integrations APPROVED
Mmdadoda
12/8/2015 6:14:37 PM

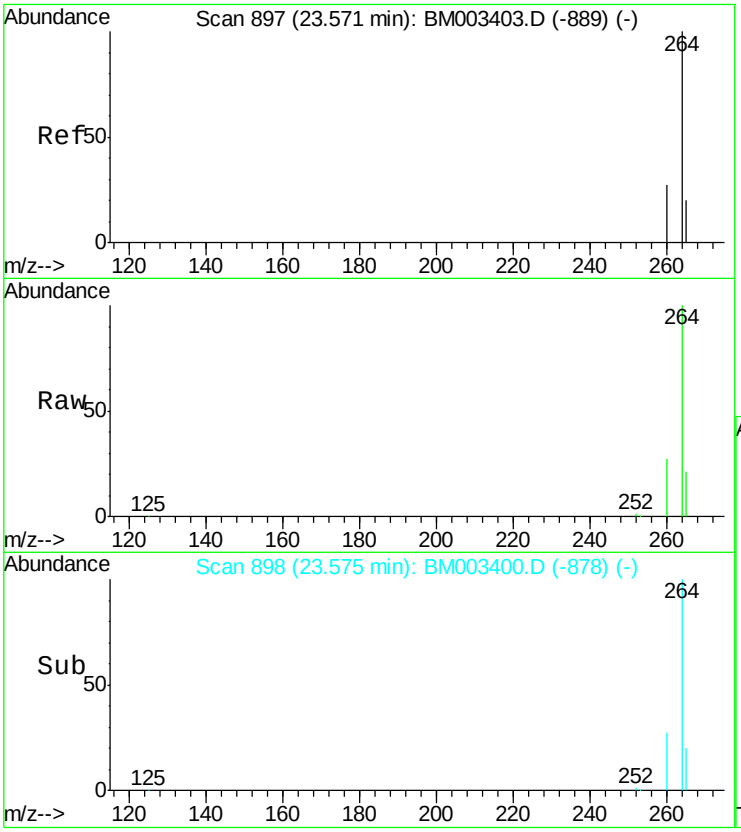


#34
3,3'-Dichlorobenzidine
Concen: 0.20 ng
RT: 21.24 min Scan# 754
Delta R.T. -0.01 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

Tgt Ion:252 Resp: 2325

Ion	Ratio	Lower	Upper
252	100		
254	58.6	53.7	80.5
126	9.4	2.8	4.2#

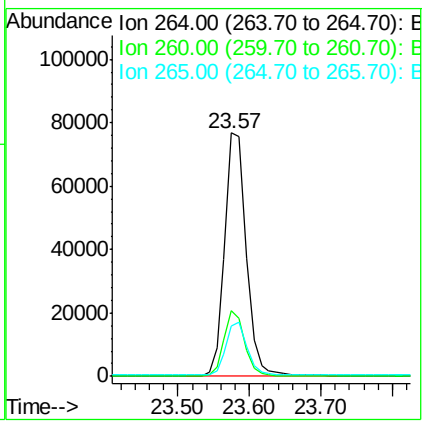




#35
Pervlene-d12
Concen: 5.00 ng
RT: 23.57 min Scan# 898
Delta R.T. 0.00 min
Lab File: BM003400.D
Acq: 07 Dec 2015 10:16

Tgt Ion:264 Resp: 161176

Ion	Ratio	Lower	Upper
264	100		
260	27.2	19.7	29.5
265	20.5	17.4	26.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
Mmdadoda
12/8/2015 6:14:37 PM