

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120715\
 Data File : BM003406.D
 Acq On : 07 Dec 2015 13:58
 Operator : UM/IZ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

Mmdadoda
 12/8/2015 6:14:44 PM

Quant Time: Dec 07 15:04:41 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 14:24:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	71286	5.00	ng	0.00
11) Naphthalene-d8	10.52	136	264956	5.00	ng	0.00
20) Acenaphthene-d10	14.37	164	147942	5.00	ng	0.00
27) Phenanthrene-d10	17.12	188	236407	5.00	ng	0.00
31) Chrysene-d12	21.32	240	304808	5.00	ng	0.00
35) Perylene-d12	23.58	264	180607	5.00	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	129863	10.72	ng	-0.02
5) Phenol-d6	6.88	99	208505	12.55	ng	0.00
12) Nitrobenzene-d5	8.86	82	161223	11.78	ng	0.00
21) 2,4,6-Tribromophenol	15.85	330	51565	15.06	ng	0.00
24) 2-Fluorobiphenyl	13.00	172	456051	8.60	ng	0.00
33) Terphenyl-d14	19.75	244	381238	9.15	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.22	88	51270	7.78	ng	# 12
3) n-Nitrosodimethylamine	3.51	42	61347	11.07	ng	# 1
6) 2-Chlorophenol	7.29	128	180843	11.55	ng	88
7) Phenol	6.91	94	210725	12.05	ng	96
8) bis(2-Chloroethyl)ether	7.12	93	130556	10.25	ng	# 64
9) 2-Methylphenol	8.14	107	123255	12.61	ng	# 57
10) 3+4-Methylphenols	8.48	107	186658	13.24	ng	# 35
13) Nitrobenzene	8.91	77	179935	12.75	ng	# 44
14) 2-Nitrophenol	9.65	139	78036	13.72	ng	# 65
15) 2,4-Dimethylphenol	9.69	122	168757m	11.70	ng	
16) 2,4-Dichlorophenol	10.16	162	156086	12.34	ng	94
17) Hexachlorobutadiene	10.84	225	92430	9.47	ng	97
18) 4-Chloro-3-methylphenol	11.77	107	151075	13.95	ng	# 61
19) 2-Methylnaphthalene	12.18	142	397504	9.67	ng	# 79
22) 2,4,6-Trichlorophenol	12.80	196	118174	12.24	ng	# 50
23) 2,4,5-Trichlorophenol	12.86	196	146886m	14.21	ng	
25) 2,4-Dinitrophenol	14.49	184	21600	22.55	ng	# 40
29) Hexachlorobenzene	16.42	284	92180	9.09	ng	# 1
30) Pentachlorophenol	16.75	266	44530	15.56	ng	# 41
32) Benzidine	19.38	184	301607	16.60	ng	95
34) 3,3'-Dichlorobenzidine	21.25	252	204870	11.24	ng	# 90

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

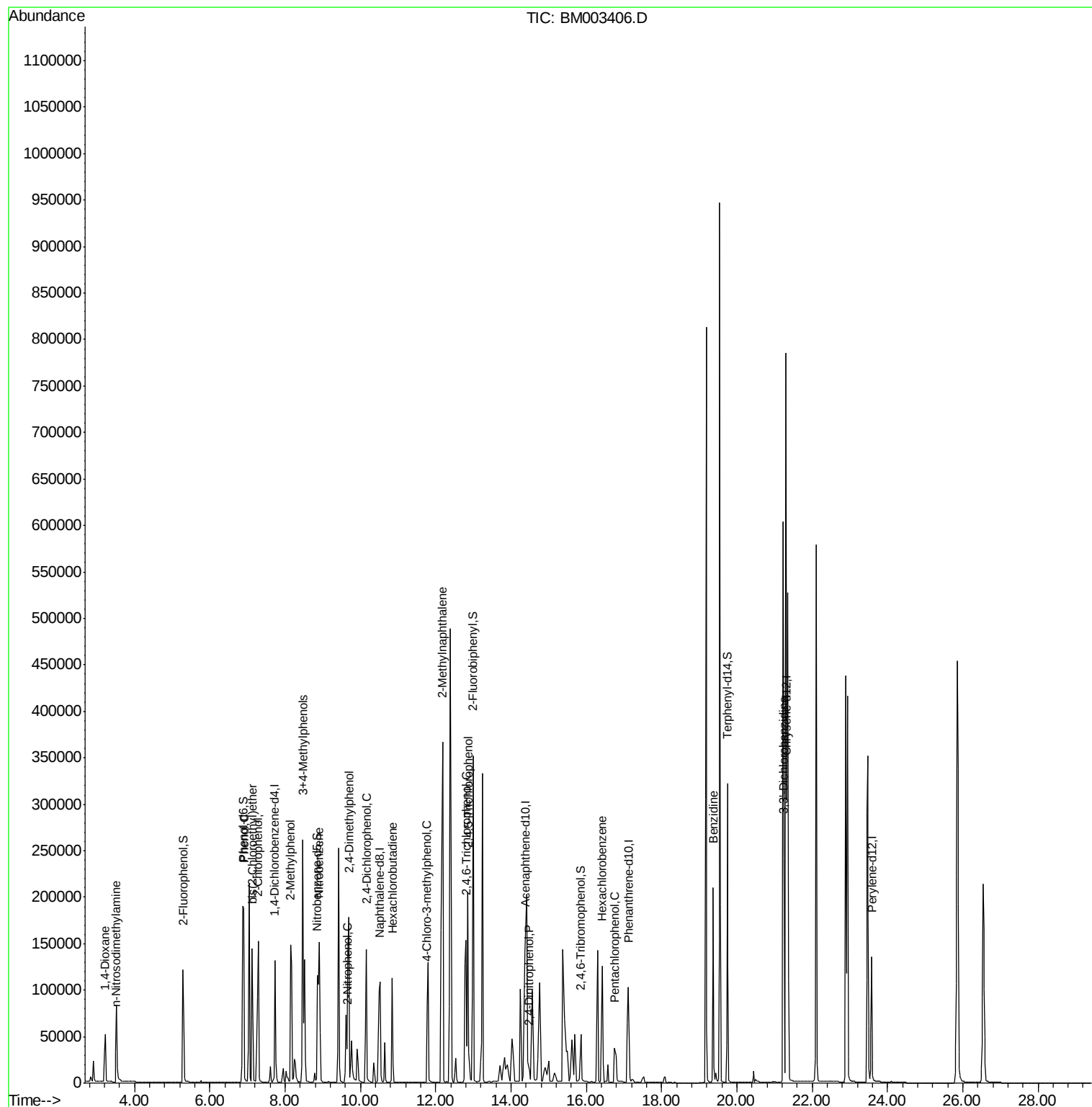
Data Path : Z:\HPCHEM1\BNA M\DATA\BM120715\
Data File : BM003406.D
Acq On : 07 Dec 2015 13:58
Operator : UM/IZ
Sample : SSTDICC010
Misc :
ALS Vial : 9 Sample Multiplier: 1

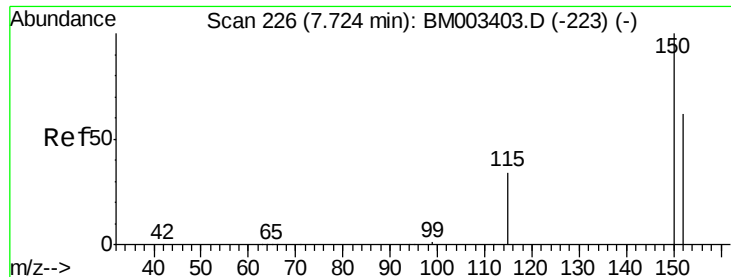
Instrument :
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ClientSampleId :
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#1

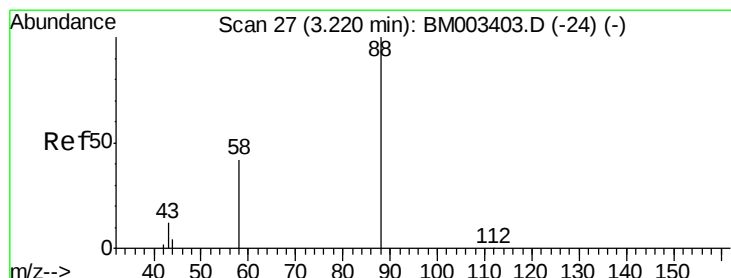
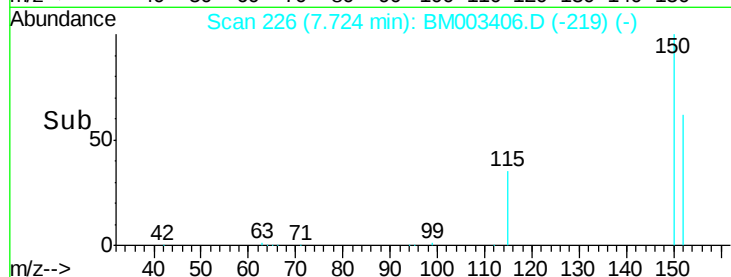
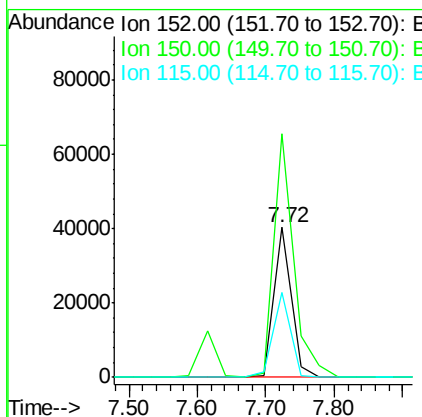
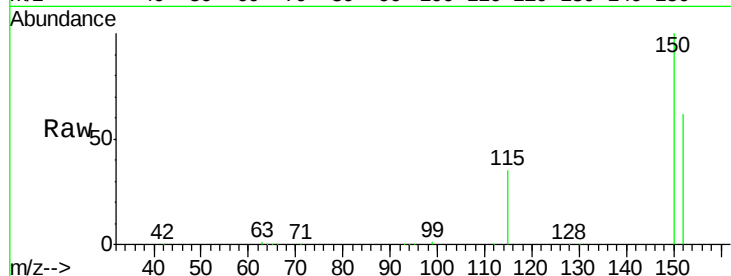
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.72 min Scan# 226
Delta R.T. 0.00 min
Lab File: BM003406.D
Acq: 07 Dec 2015 13:58

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.5	116.3	174.5
115	56.8	31.9	47.9

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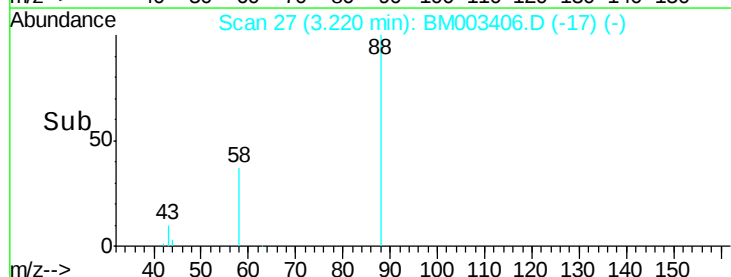
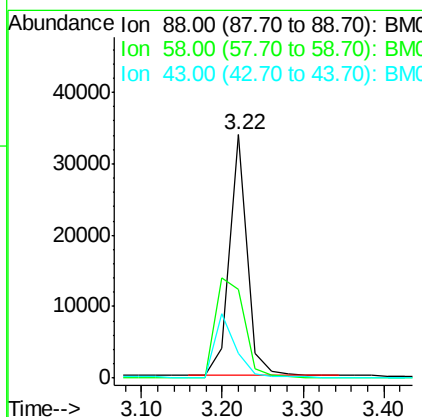
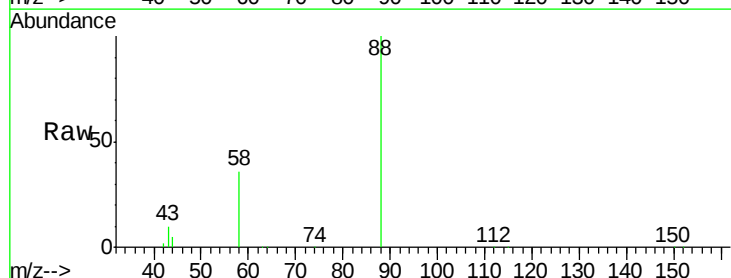
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12/8/2015 6:14:44 PM

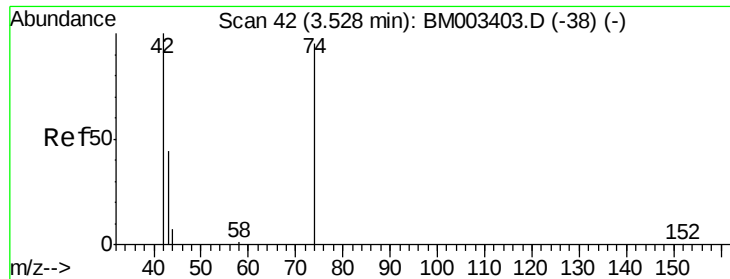


#2

1,4-Dioxane
Concen: 7.78 ng
RT: 3.22 min Scan# 27
Delta R.T. 0.00 min
Lab File: BM003406.D
Acq: 07 Dec 2015 13:58

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





#3

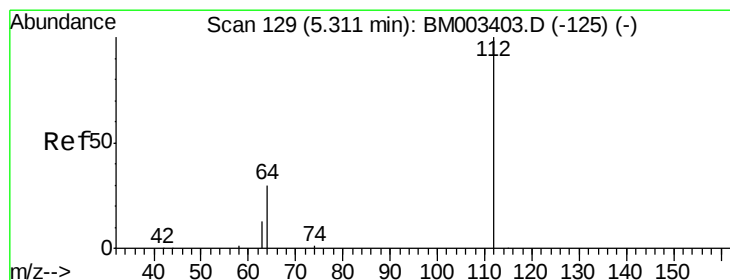
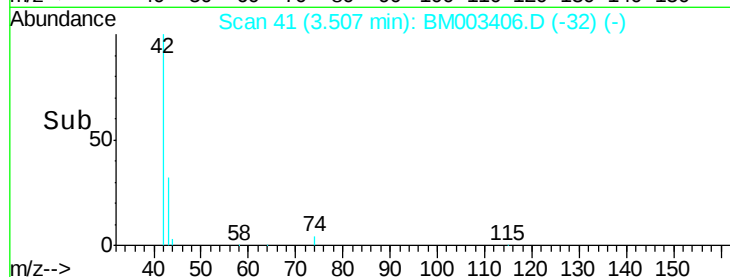
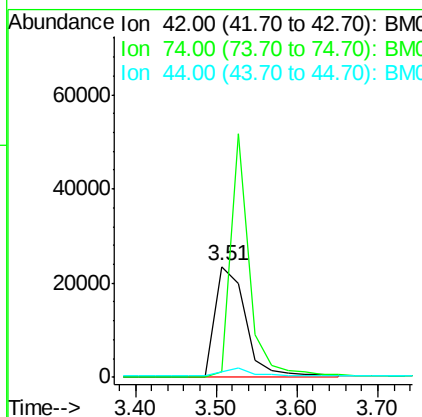
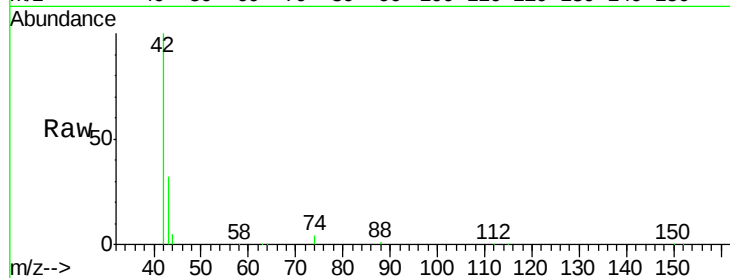
n-Nitrosodimethylamine
Concen: 11.07 ng
RT: 3.51 min Scan# 41
Delta R.T. -0.02 min
Lab File: BM003406.D
Acq: 07 Dec 2015 13:58

Instrument :
BNA_M
ClientSampleId :
SSTDIC010

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

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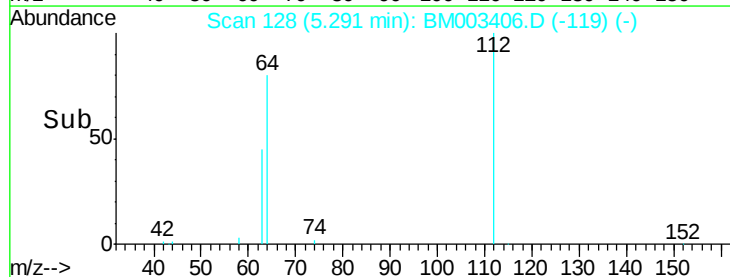
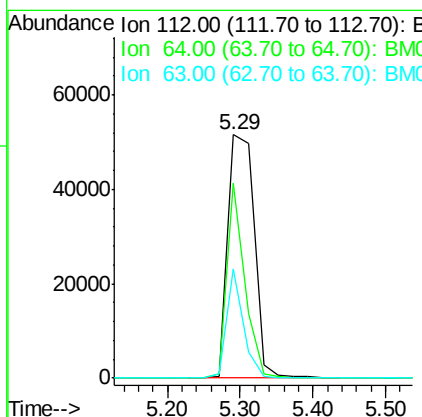
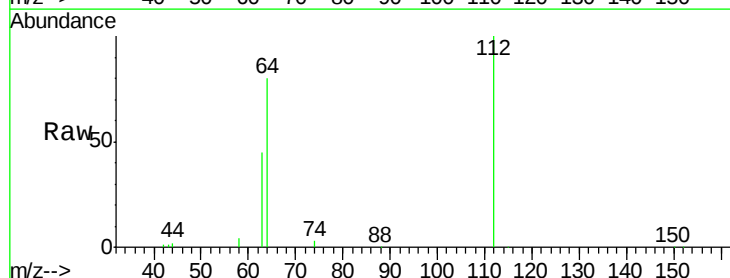
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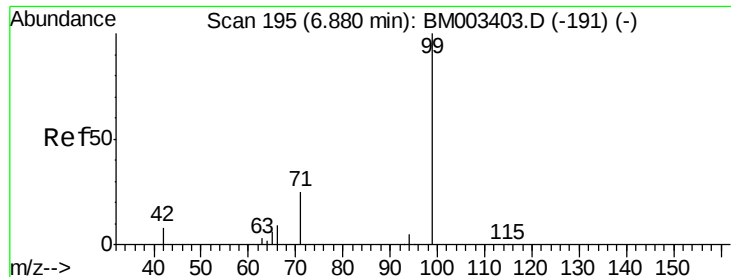


#4

2-Fluorophenol
Concen: 10.72 ng
RT: 5.29 min Scan# 128
Delta R.T. -0.02 min
Lab File: BM003406.D
Acq: 07 Dec 2015 13:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	80.3	49.3	73.9#
63	45.1	26.2	39.4#





#5

Phenol-d6

Concen: 12.55 ng

RT: 6.88 min Scan# 195

Delta R.T. 0.00 min

Lab File: BM003406.D

Acq: 07 Dec 2015 13:58

Instrument :

BNA_M

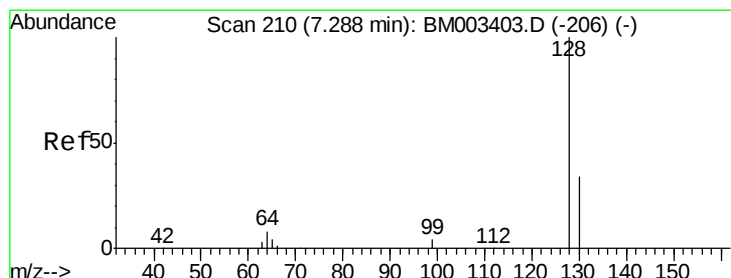
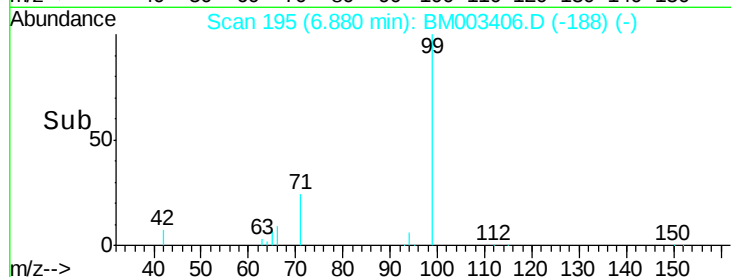
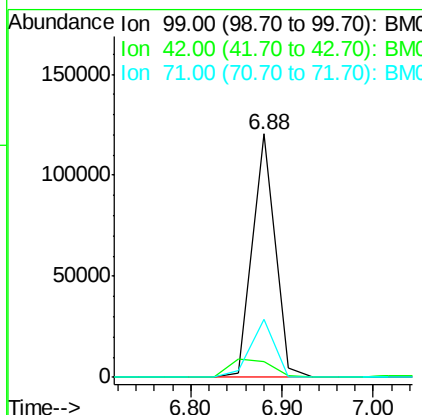
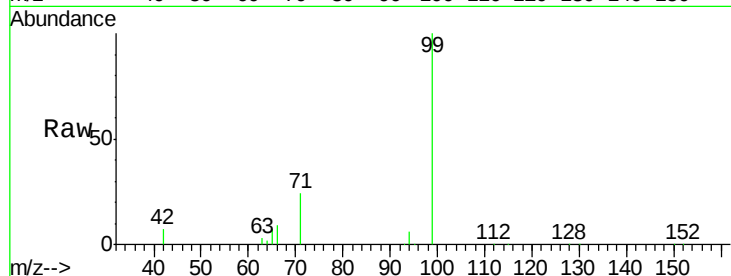
ClientSampleId :

SSTDICC010

Tot Ion	Ratio	Resp	Lower	Upper
99	100	208505		
42	6.6	12.1	18.1#	
71	23.8	26.4	39.6#	

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#6

2-Chlorophenol

Concen: 11.55 ng

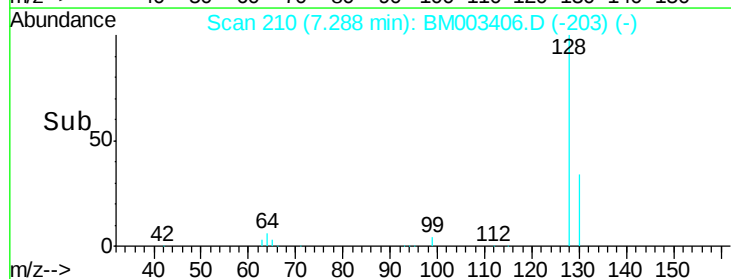
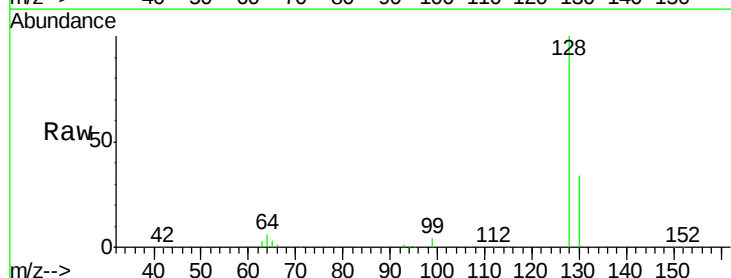
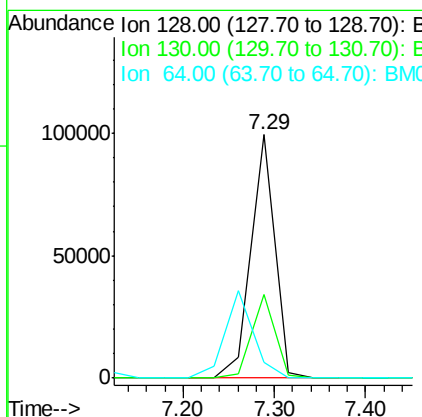
RT: 7.29 min Scan# 210

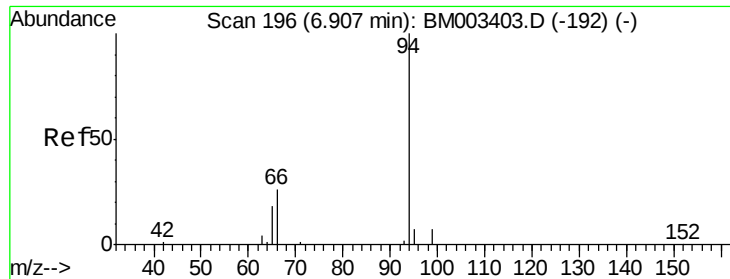
Delta R.T. 0.00 min

Lab File: BM003406.D

Acq: 07 Dec 2015 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	180843		
130	34.2	22.2	62.2	
64	6.3	0.0	28.7	





#7

Phenol

Concen: 12.05 ng

RT: 6.91 min Scan# 196

Delta R.T. 0.00 min

Lab File: BM003406.D

Acq: 07 Dec 2015 13:58

Instrument :

BNA_M

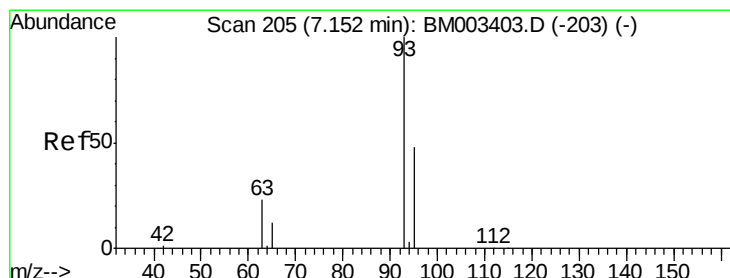
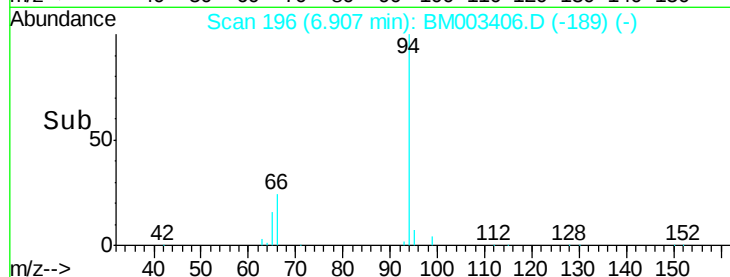
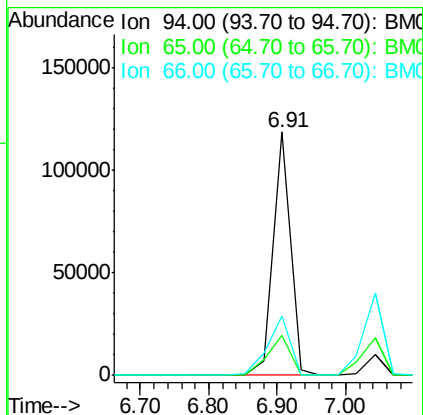
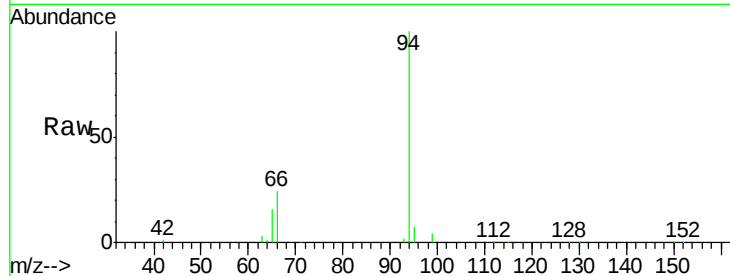
ClientSampleId :

SSTDIC010

Tot Ion:	94	Resp:	210725
Ion Ratio	Lower	Upper	
94	100		
65	16.3	0.0	37.7
66	24.2	6.3	46.3

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#8

bis(2-Chloroethyl)ether

Concen: 10.25 ng

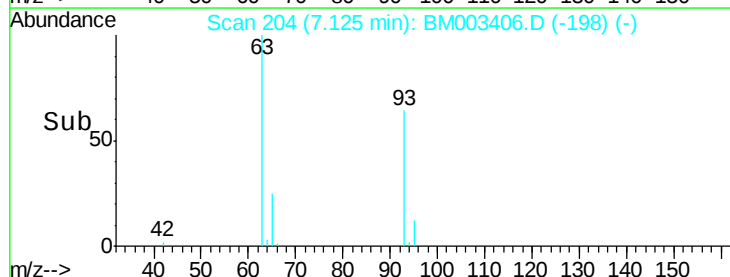
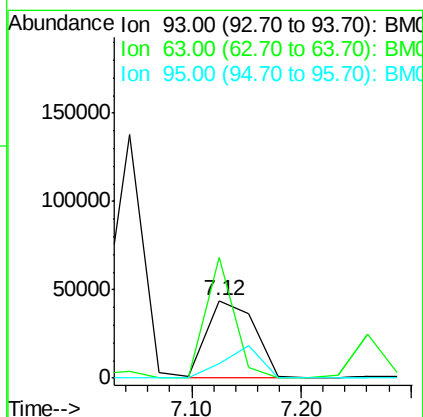
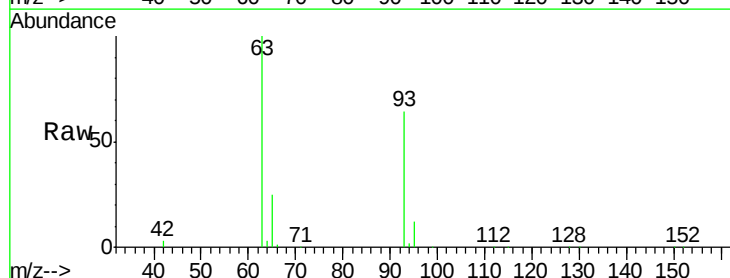
RT: 7.12 min Scan# 204

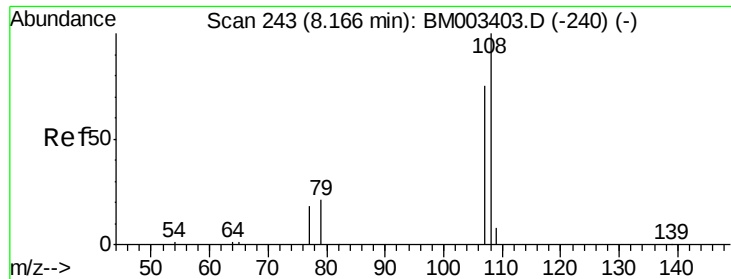
Delta R.T. -0.03 min

Lab File: BM003406.D

Acq: 07 Dec 2015 13:58

Tgt Ion:	93	Resp:	130556
Ion Ratio	Lower	Upper	
93	100		
63	94.1	58.2	87.4#
95	0.0	26.2	39.4#





#9

2-Methylphenol

Concen: 12.61 ng

RT: 8.14 min Scan# 242

Delta R.T. -0.02 min

Lab File: BM003406.D

Acq: 07 Dec 2015 13:58

Instrument :

BNA_M

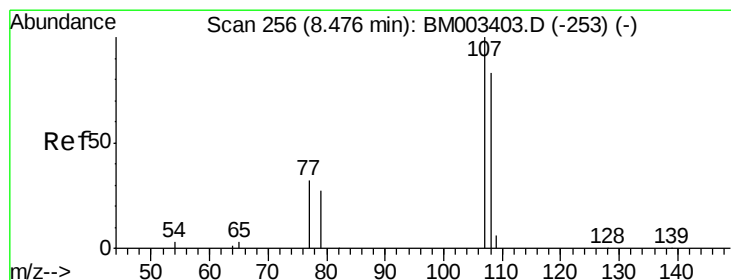
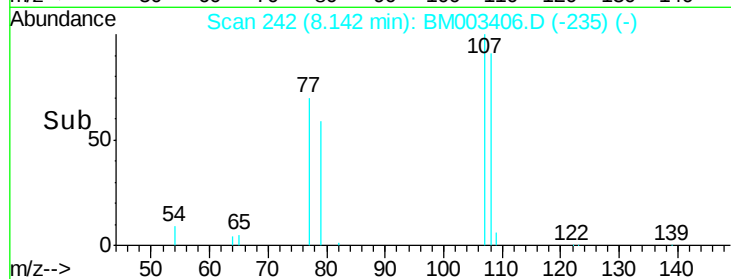
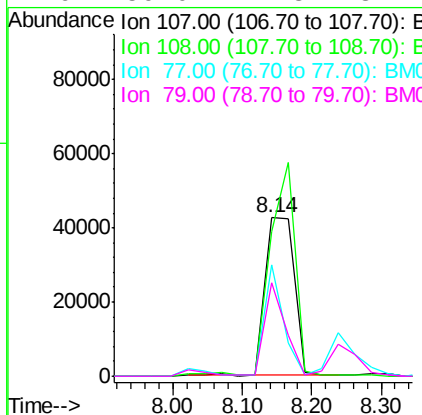
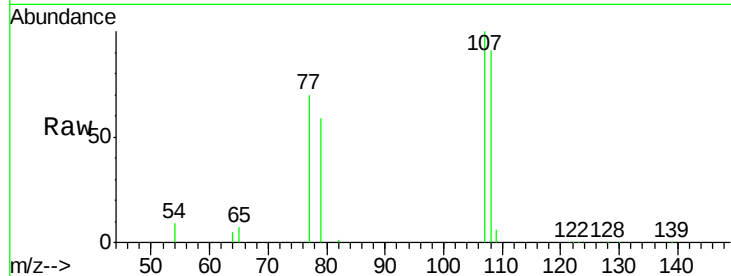
ClientSampleId :

SSTDICC010

Manual Integrations
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Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	91.4	100.9	151.3#	
77	70.2	20.3	30.5#	
79	59.0	22.8	34.2#	



#10

3+4-Methylphenols

Concen: 13.24 ng

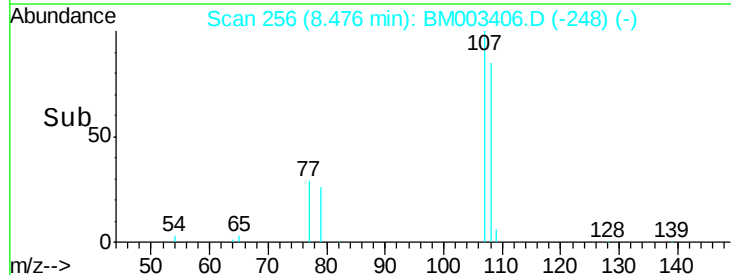
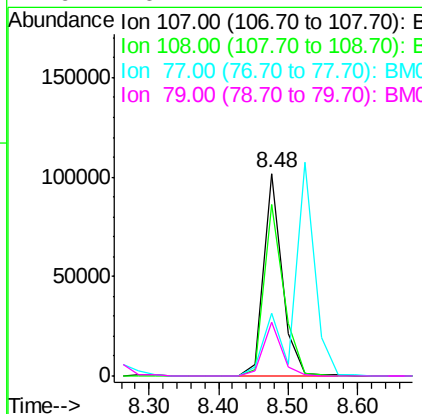
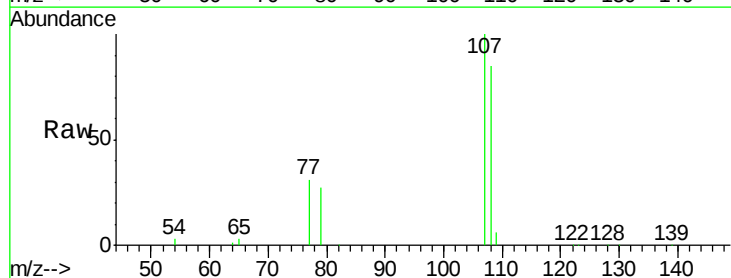
RT: 8.48 min Scan# 256

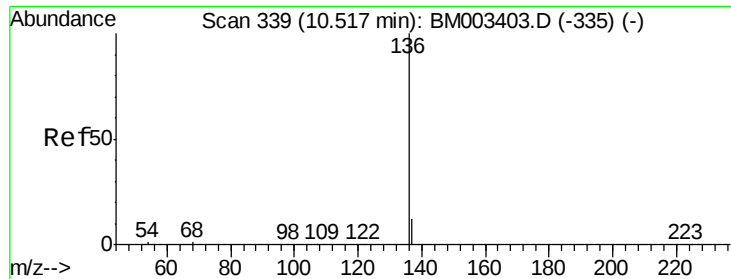
Delta R.T. 0.00 min

Lab File: BM003406.D

Acq: 07 Dec 2015 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
108	84.7	86.3	126.3#	
77	31.1	151.7	191.7#	
79	26.7	7.4	47.4	





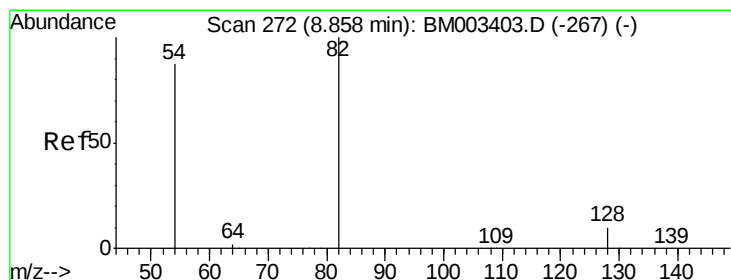
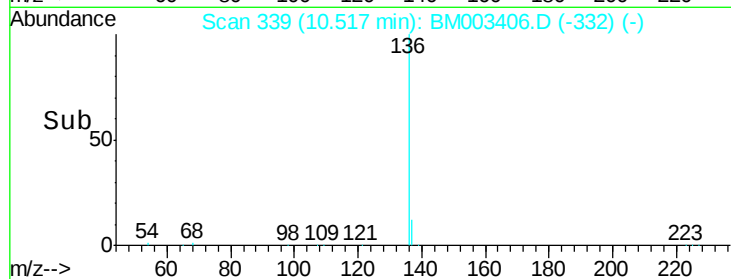
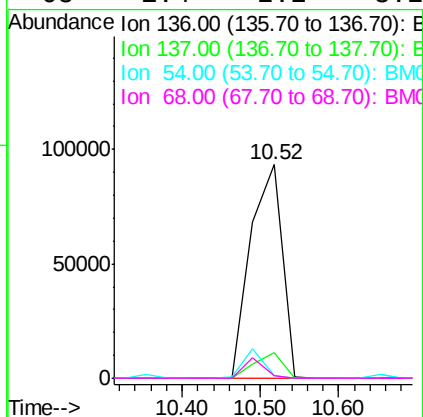
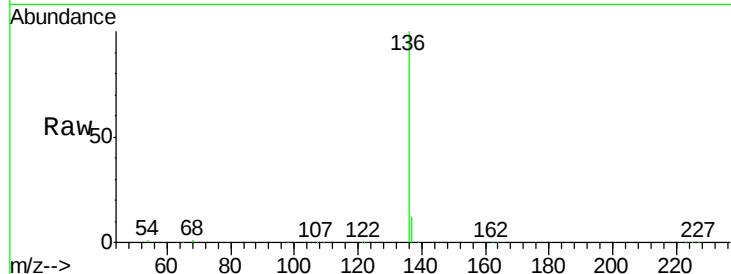
#11
Naphthalene-d8
Concen: 5.00 ng
RT: 10.52 min Scan# 339
Delta R.T. 0.00 min
Lab File: BM003406.D
Acq: 07 Dec 2015 13:58

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		264956		
137	12.3		9.1	13.7	
54	1.0		2.6	3.8	
68	1.4		2.2	3.2	

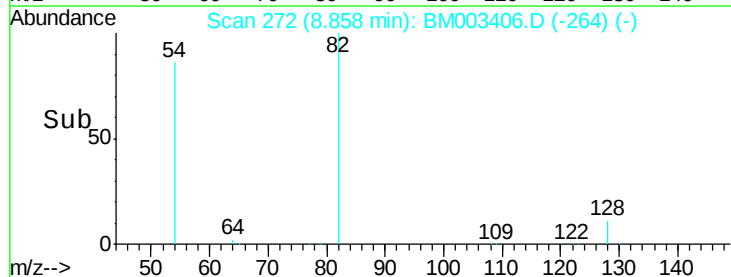
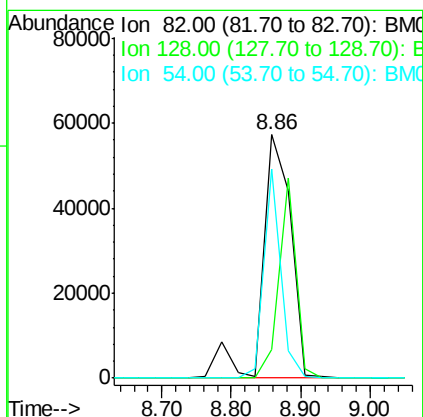
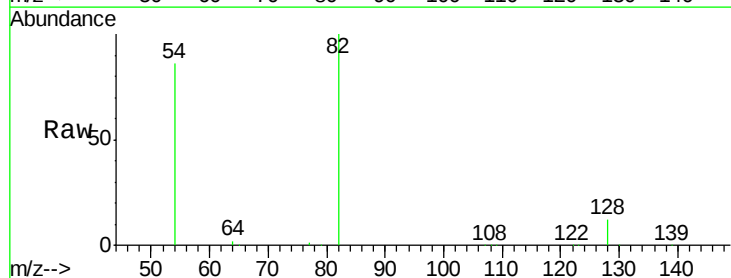
Manual Integrations
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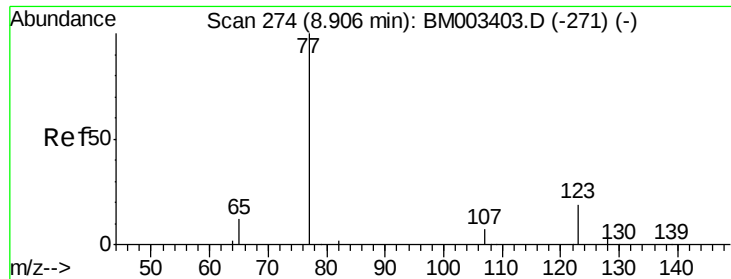
Mmdadoda
12/8/2015 6:14:44 PM



#12
Nitrobenzene-d5
Concen: 11.78 ng
RT: 8.86 min Scan# 272
Delta R.T. 0.00 min
Lab File: BM003406.D
Acq: 07 Dec 2015 13:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		161223		
128	0.0		0.0	0.0	
54	51.6		59.0	88.6	





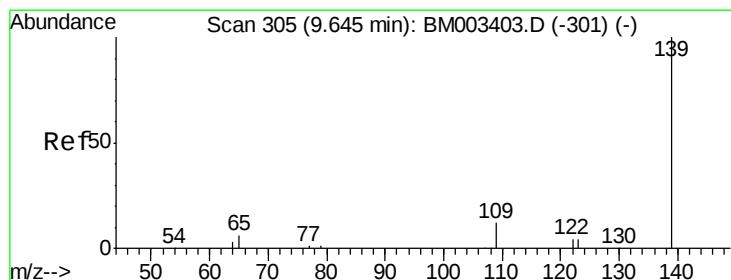
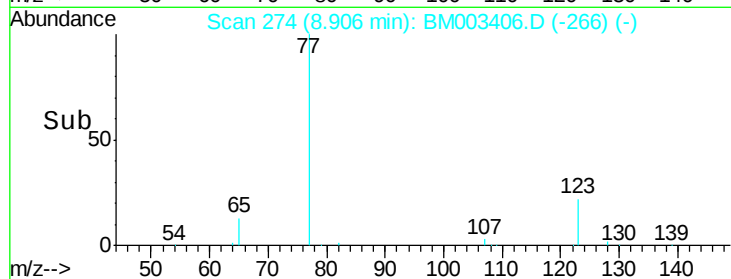
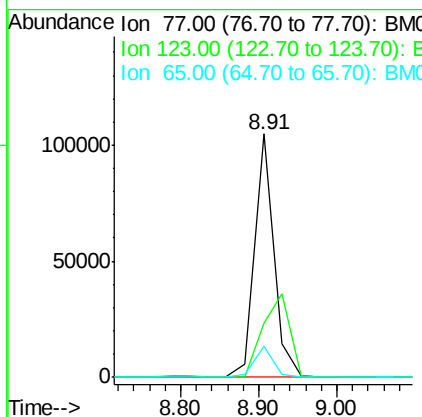
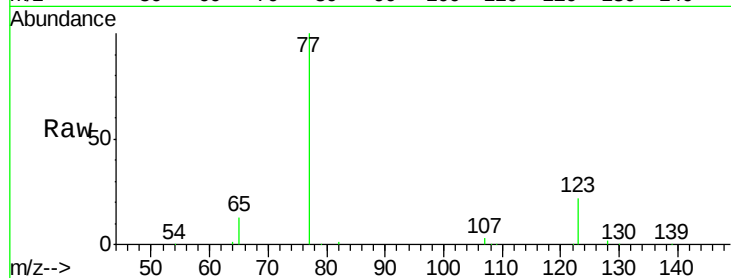
#13
Nitrobenzene
Concen: 12.75 ng
RT: 8.91 min Scan# 274
Delta R.T. 0.00 min
Lab File: BM003406.D
Acq: 07 Dec 2015 13:58

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	37.7	56.5#
65	12.9	9.8	14.6

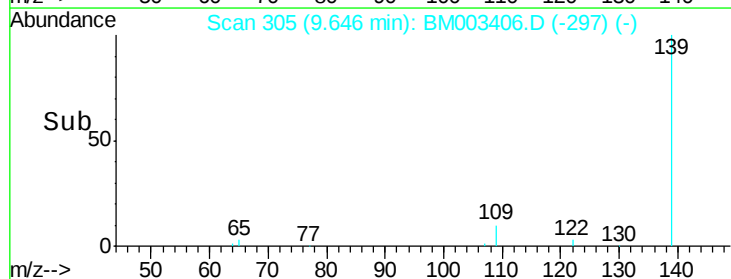
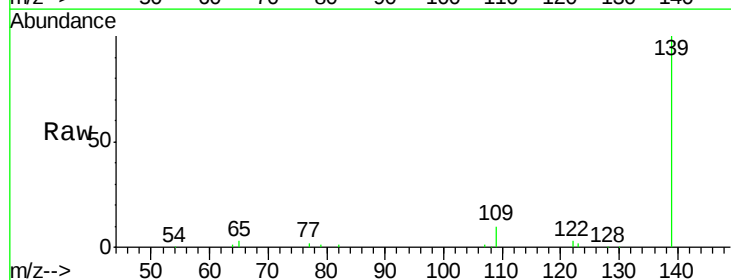
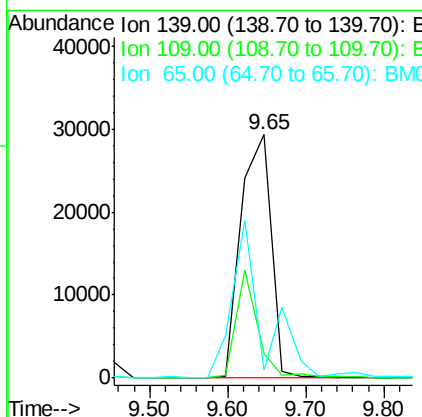
Manual Integrations
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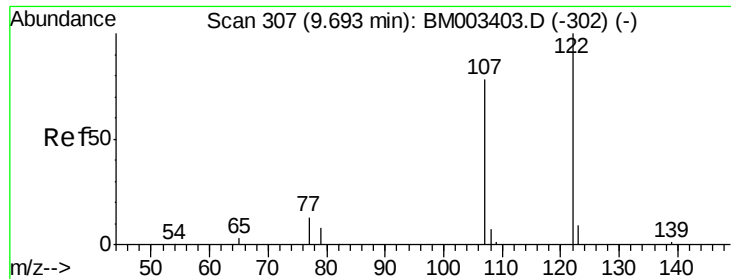
Mmdadoda
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#14
2-Nitrophenol
Concen: 13.72 ng
RT: 9.65 min Scan# 305
Delta R.T. 0.00 min
Lab File: BM003406.D
Acq: 07 Dec 2015 13:58

Tgt Ion	Ratio	Lower	Upper
139	100		
109	9.9	19.5	29.3#
65	3.3	18.6	28.0#





#15

2,4-Dimethylphenol

Concen: 11.70 ng/mL

RT: 9.69 min Scan# 307

Delta R.T. 0.00 min

Lab File: BM003406.D

Acq: 07 Dec 2015 13:58

Instrument :

BNA_M

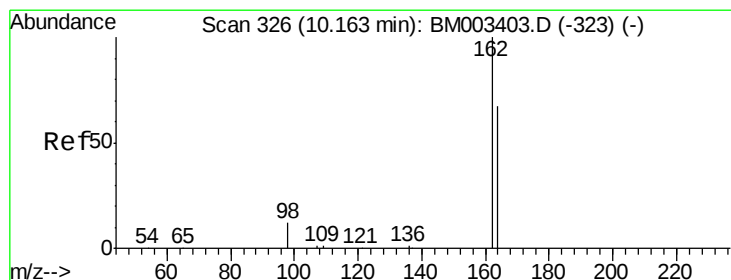
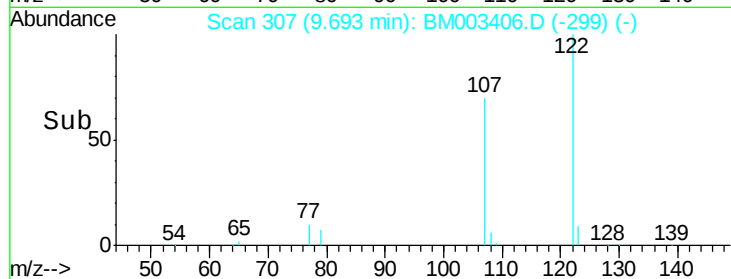
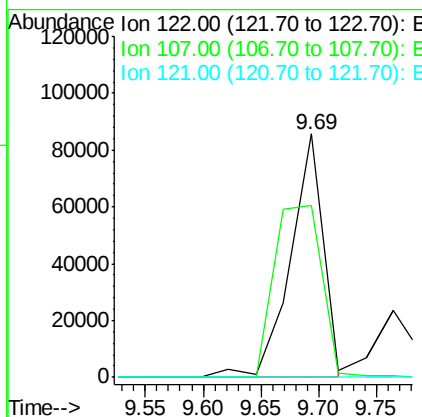
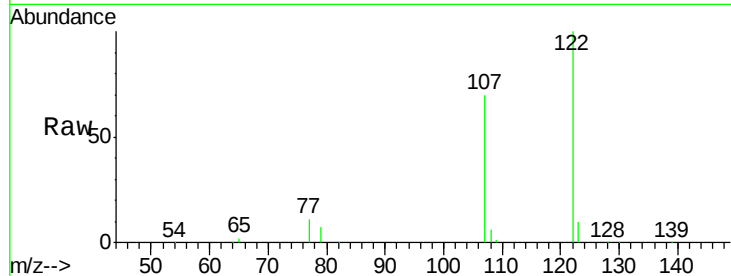
ClientSampleId :

SSTDIC010

Tot Ion:	122	Resp:	168757
Ion Ratio	Lower	Upper	
122	100		
107	70.5	68.6	102.8
121	0.0	44.8	67.2#

Manual Integrations
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#16

2,4-Dichlorophenol

Concen: 12.34 ng/mL

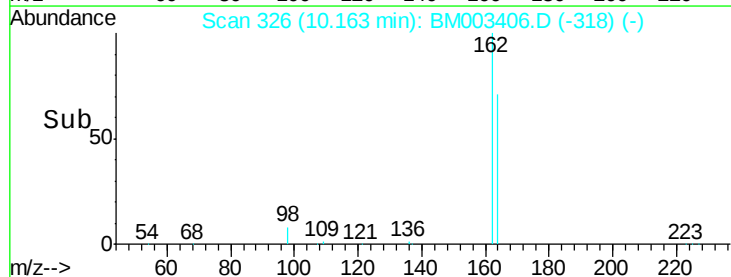
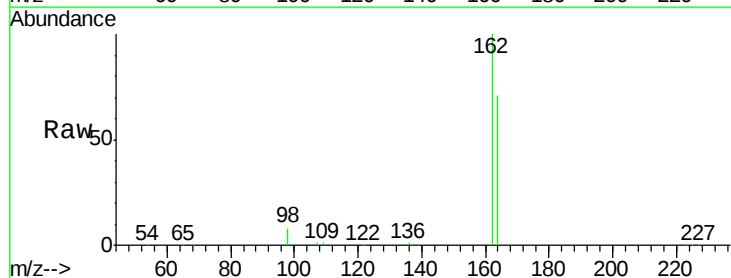
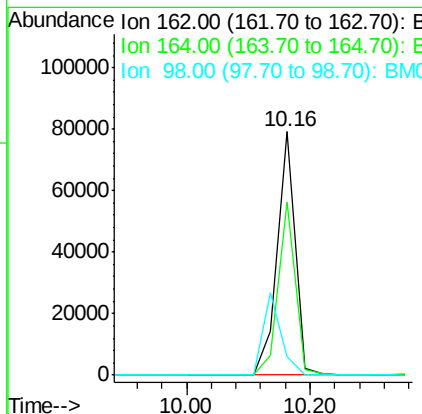
RT: 10.16 min Scan# 326

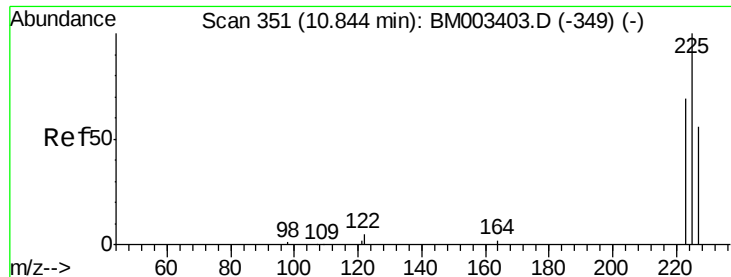
Delta R.T. 0.00 min

Lab File: BM003406.D

Acq: 07 Dec 2015 13:58

Tgt Ion:	162	Resp:	156086
Ion Ratio	Lower	Upper	
162	100		
164	70.9	49.2	89.2
98	7.7	0.0	37.4





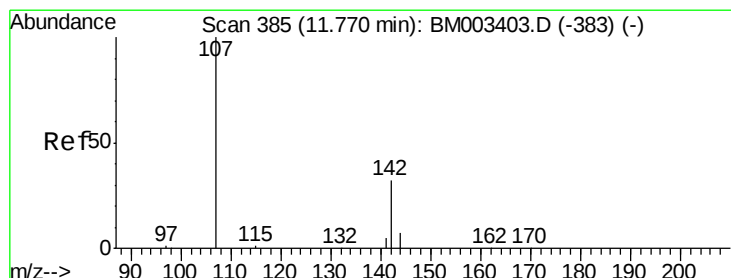
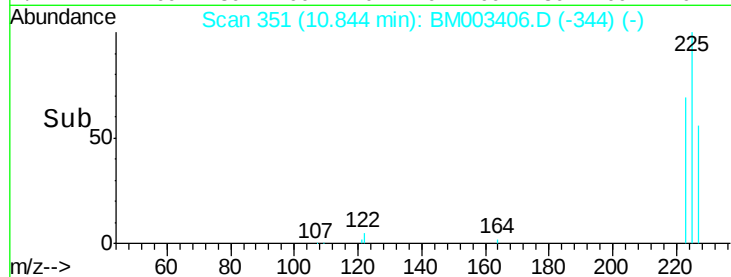
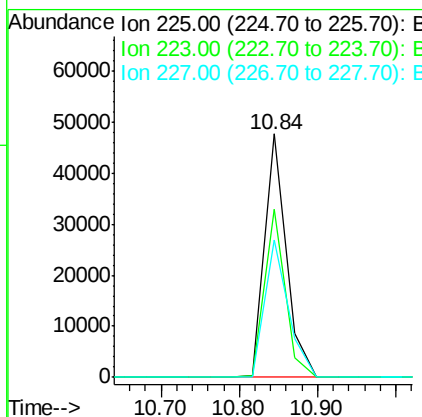
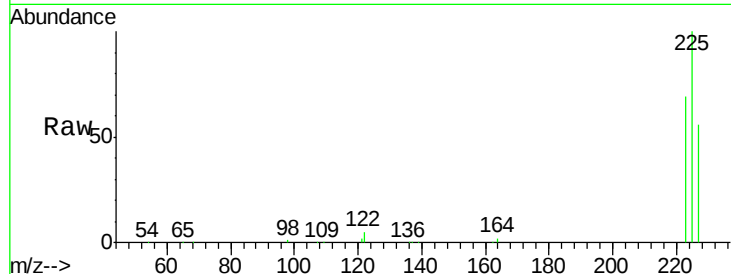
#17
Hexachlorobutadiene
Concen: 9.47 ng
RT: 10.84 min Scan# 351
Delta R.T. 0.00 min
Lab File: BM003406.D
Acq: 07 Dec 2015 13:58

Instrument :
BNA_M
ClientSampleId :
SSTDIC010

Tot Ion	Ratio	Lower	Upper
225	100		
223	65.4	53.0	79.4
227	61.0	52.2	78.4

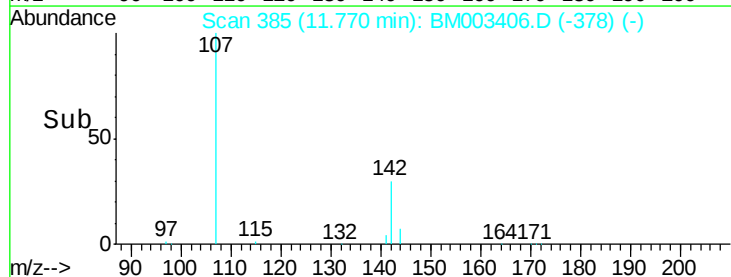
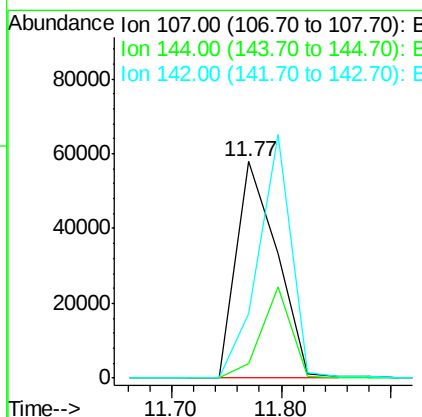
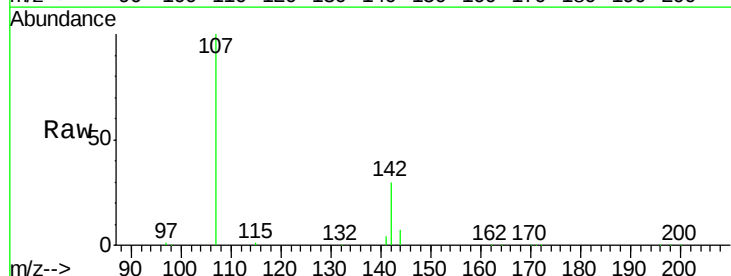
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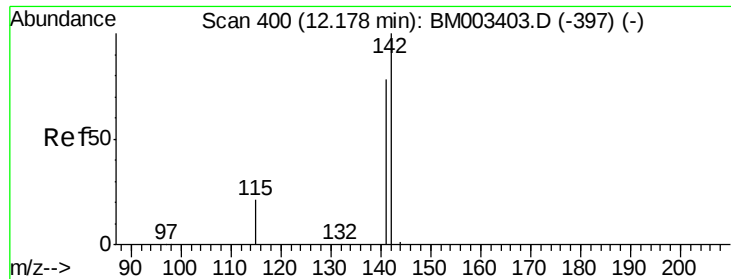
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#18
4-Chloro-3-methylphenol
Concen: 13.95 ng
RT: 11.77 min Scan# 385
Delta R.T. 0.00 min
Lab File: BM003406.D
Acq: 07 Dec 2015 13:58

Tgt Ion	Ratio	Lower	Upper
107	100		
144	6.9	16.2	24.2#
142	29.9	49.8	74.6#





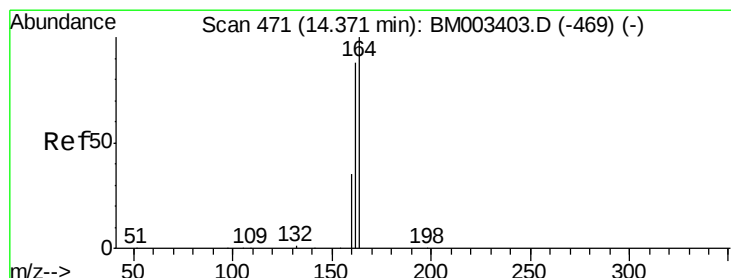
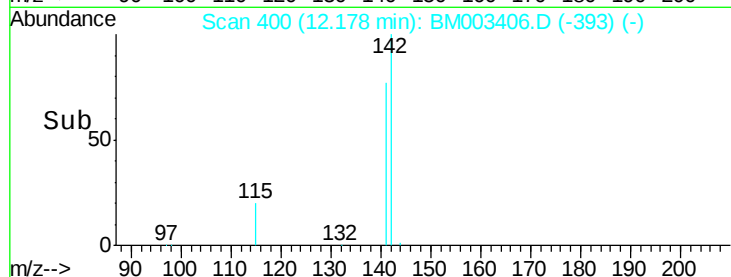
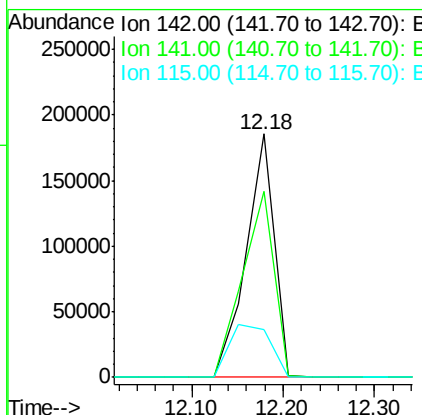
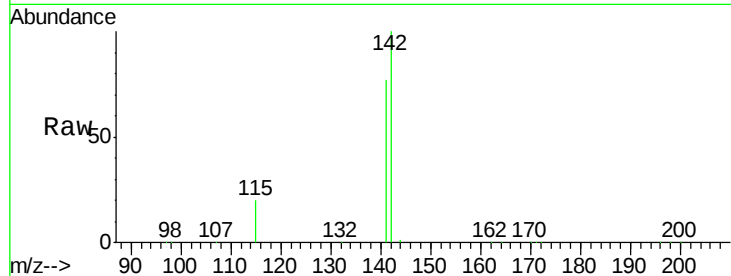
#19
2-Methylnaphthalene
Concen: 9.67 ng
RT: 12.18 min Scan# 400
Delta R.T. 0.00 min
Lab File: BM003406.D
Acq: 07 Dec 2015 13:58

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.7	71.4	107.0
115	0.0	29.3	43.9

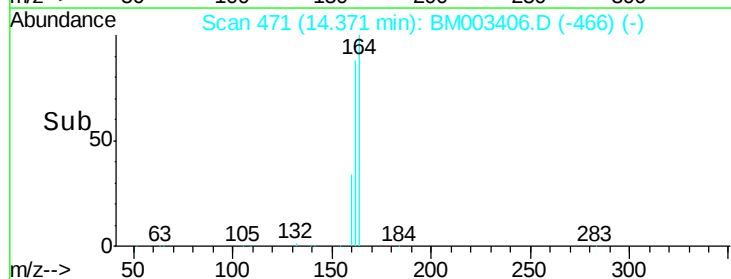
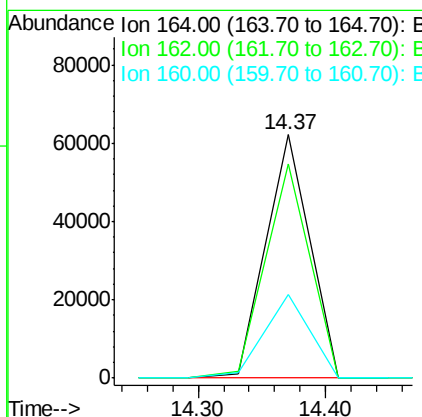
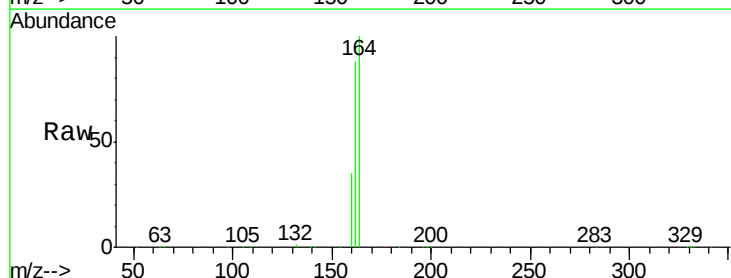
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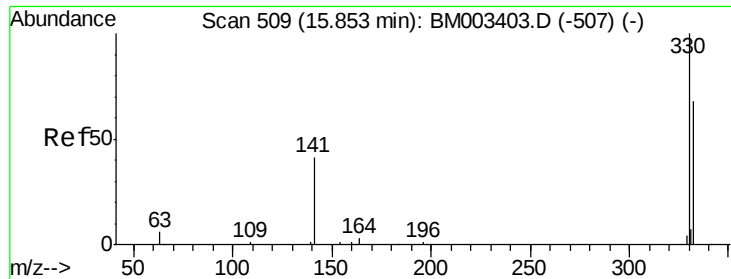
Mmdadoda
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#20
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.37 min Scan# 471
Delta R.T. 0.00 min
Lab File: BM003406.D
Acq: 07 Dec 2015 13:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	87.9	79.2	118.8
160	34.6	33.7	50.5





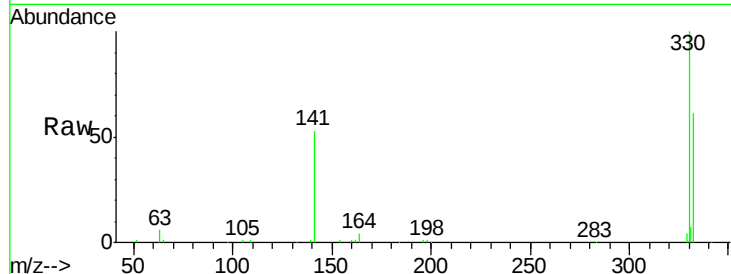
#21
 2,4,6-Tribromophenol
 Concen: 15.06 ng
 RT: 15.85 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: BM003406.D
 Acq: 07 Dec 2015 13:58

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC010

Tot Ion	Ratio	Lower	Upper
330	100		
332	63.7	74.0	111.0#
141	52.0	24.1	36.1#

Manual Integrations
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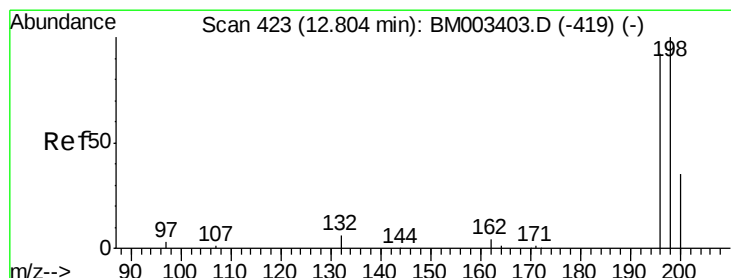
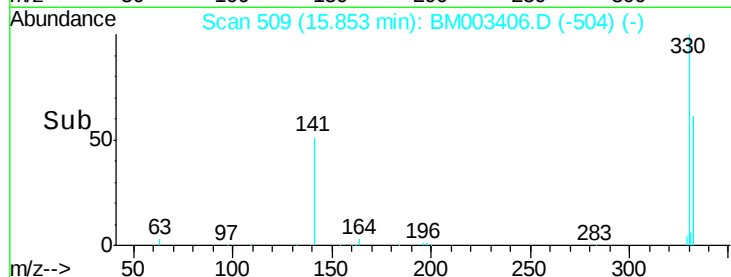
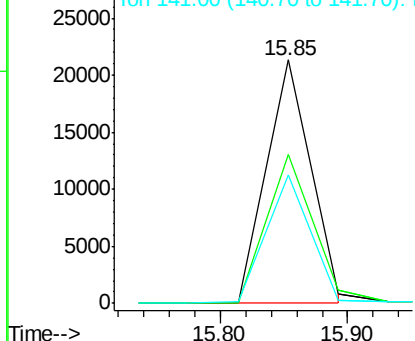


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#22
 2,4,6-Trichlorophenol
 Concen: 12.24 ng
 RT: 12.80 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: BM003406.D
 Acq: 07 Dec 2015 13:58

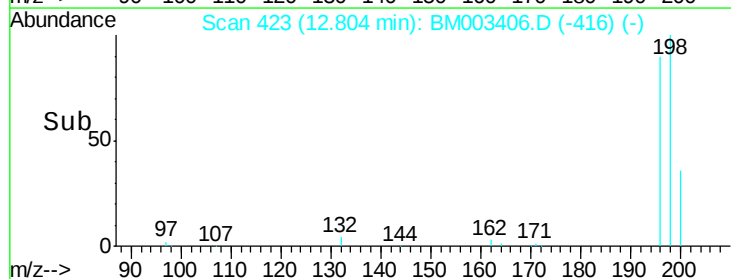
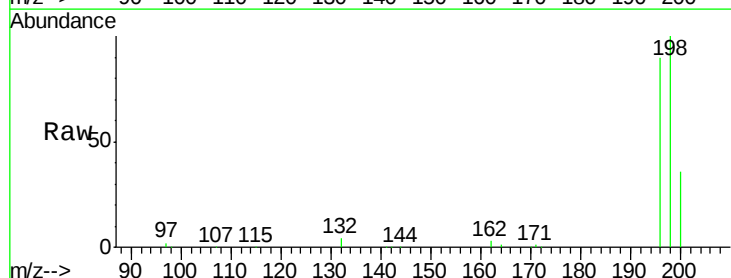
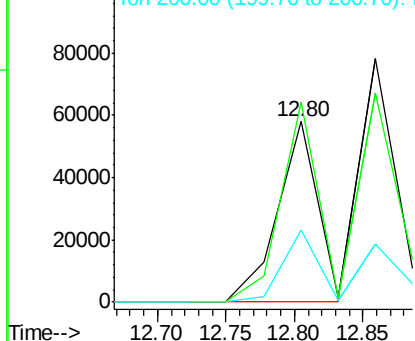
Tgt Ion	Ratio	Lower	Upper
196	100		
198	110.7	54.2	81.2#
200	40.1	17.1	25.7#

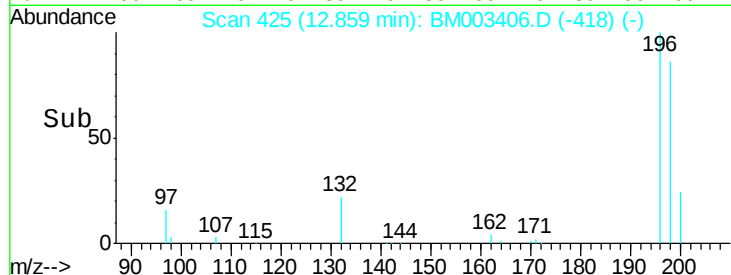
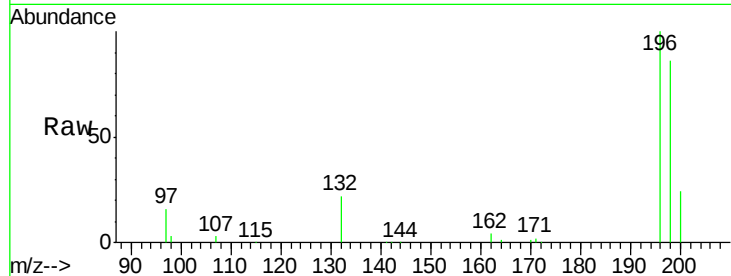
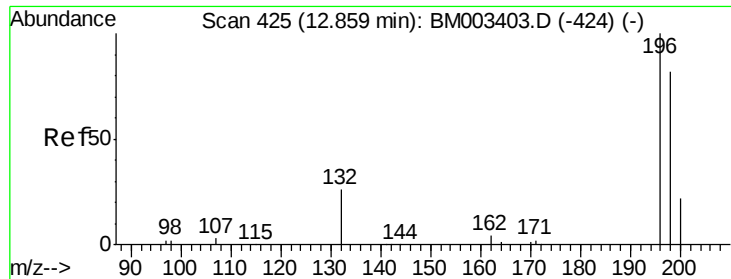
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





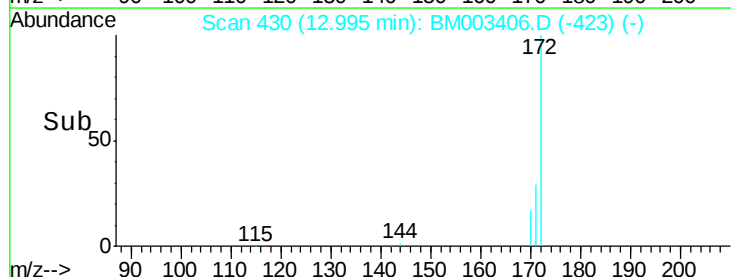
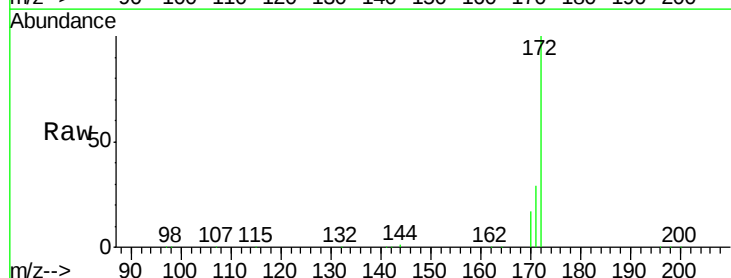
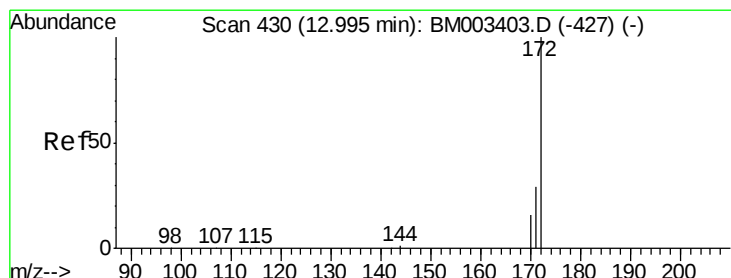
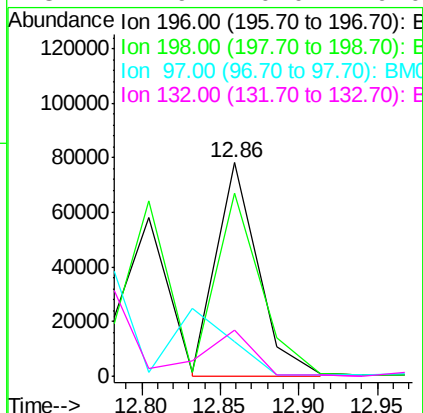
#23
 2,4,5-Trichlorophenol
 Concen: 14.21 ng/mL
 RT: 12.86 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: BM003406.D
 Acq: 07 Dec 2015 13:58

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC010

Manual Integrations
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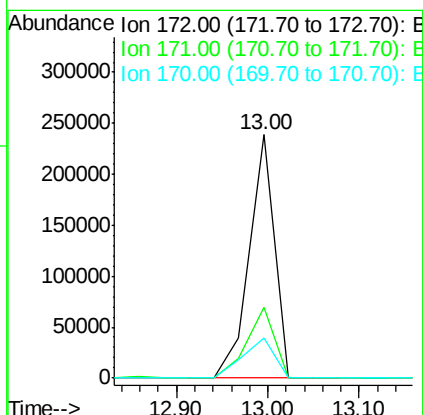
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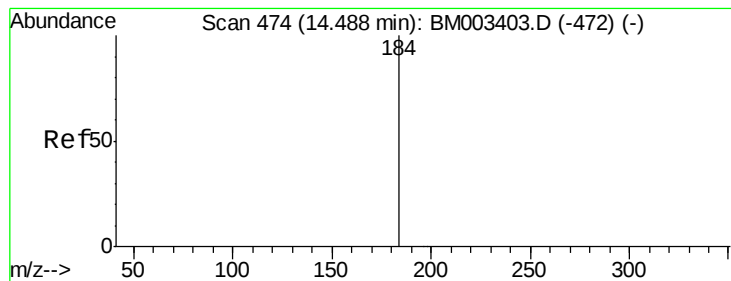
Tot Ion	Ratio	Resp	Lower	Upper
196	100			
198	85.8	73.6	110.4	
97	16.4	0.0	0.0	
132	21.9	0.0	0.0	



#24
 2-Fluorobiphenyl
 Concen: 8.60 ng/mL
 RT: 13.00 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: BM003406.D
 Acq: 07 Dec 2015 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	31.8	28.0	42.0	
170	20.6	18.9	28.3	





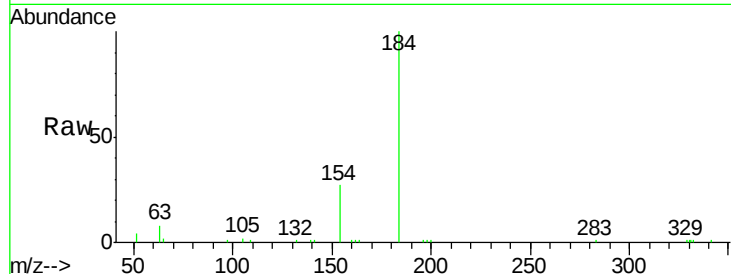
#25
2,4-Dinitrophenol
Concen: 22.55 ng
RT: 14.49 min Scan# 474
Delta R.T. 0.00 min
Lab File: BM003406.D
Acq: 07 Dec 2015 13:58

Instrument :
BNA_M
ClientSampleId :
SSTDIC010

Tot Ion	Ratio	Lower	Upper
184	100		
63	7.5	52.0	78.0#
154	27.0	51.4	77.2#

Manual Integrations
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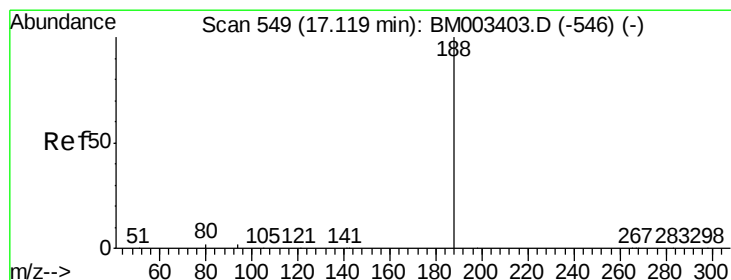
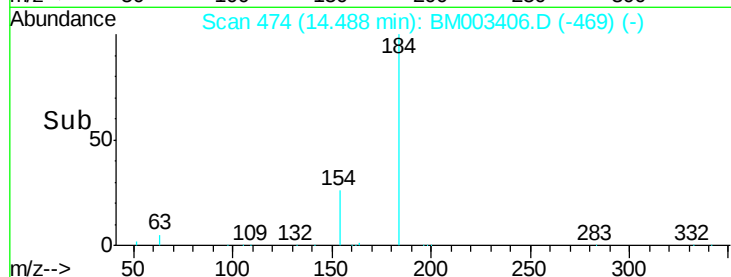
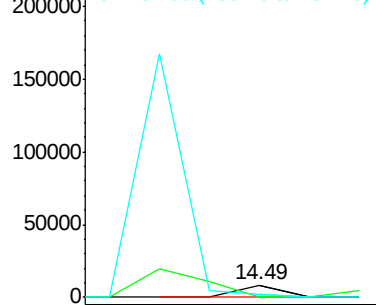
Mmdadoda
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E



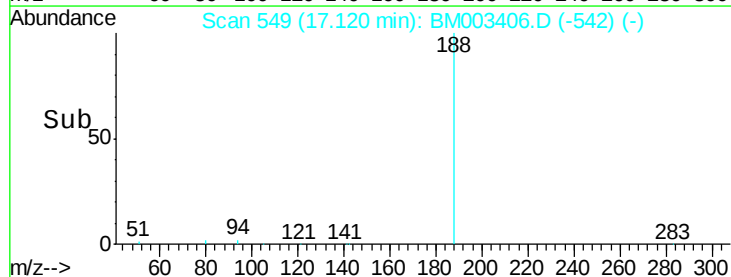
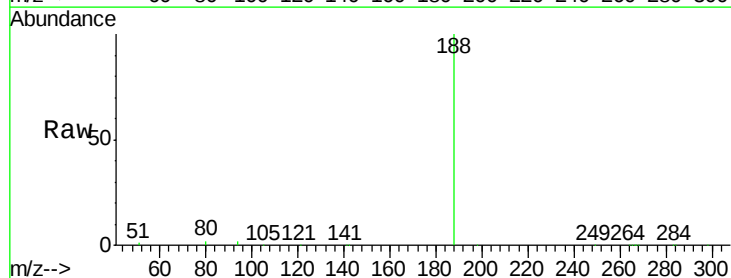
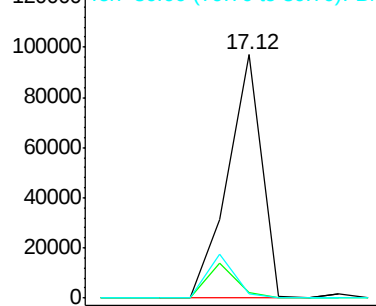
#27
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.12 min Scan# 549
Delta R.T. 0.00 min
Lab File: BM003406.D
Acq: 07 Dec 2015 13:58

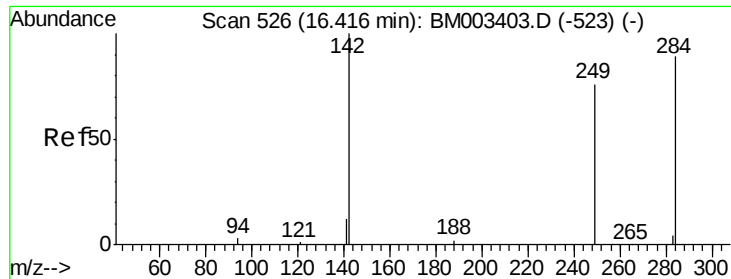
Tgt Ion	Ratio	Lower	Upper
188	100		
94	2.2	2.9	4.3#
80	1.7	2.5	3.7#

Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





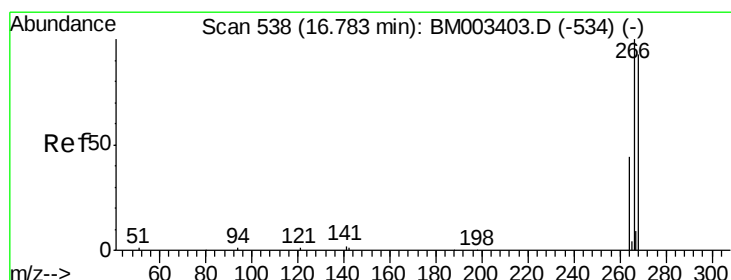
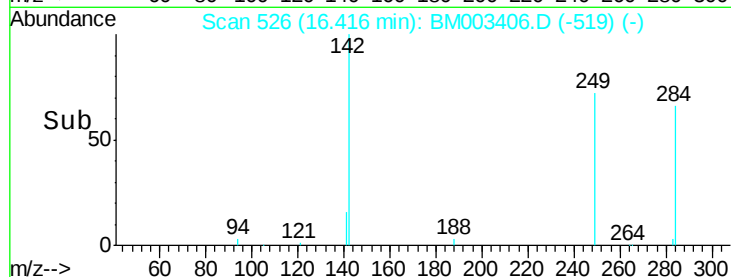
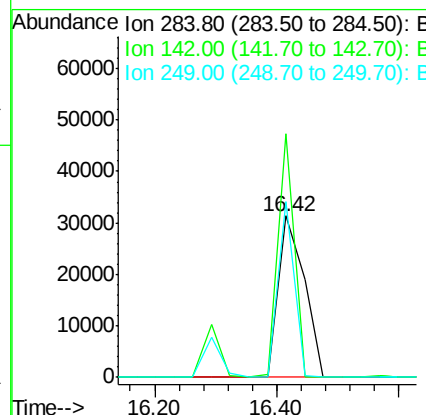
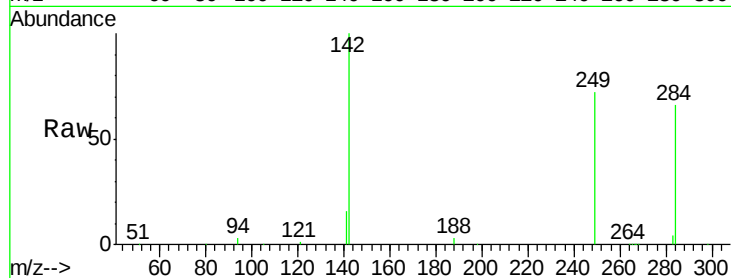
#29
Hexachlorobenzene
Concen: 9.09 ng
RT: 16.42 min Scan# 526
Delta R.T. 0.00 min
Lab File: BM003406.D
Acq: 07 Dec 2015 13:58

Instrument :
BNA_M
ClientSampleId :
SSTDIC010

Tot Ion	Ratio	Lower	Upper
284	100		
142	95.2	23.3	34.9#
249	68.8	23.3	34.9#

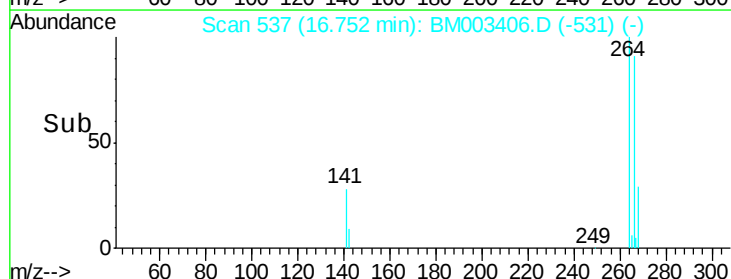
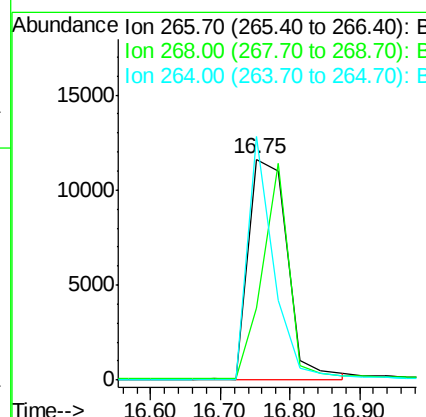
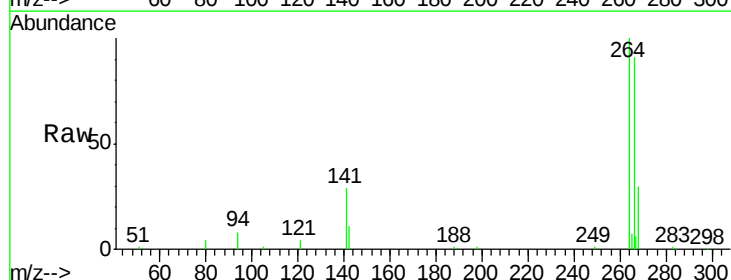
Manual Integrations
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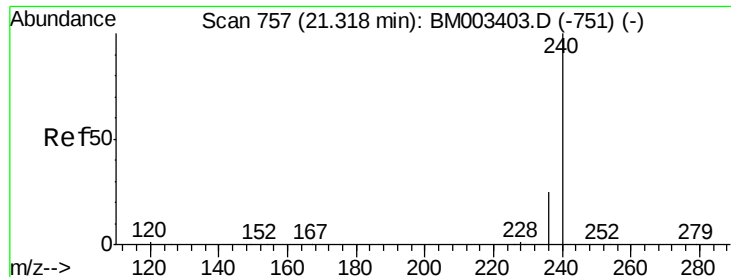
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#30
Pentachlorophenol
Concen: 15.56 ng
RT: 16.75 min Scan# 537
Delta R.T. -0.03 min
Lab File: BM003406.D
Acq: 07 Dec 2015 13:58

Tgt Ion	Ratio	Lower	Upper
266	100		
268	32.6	62.6	94.0#
264	110.2	47.9	71.9#





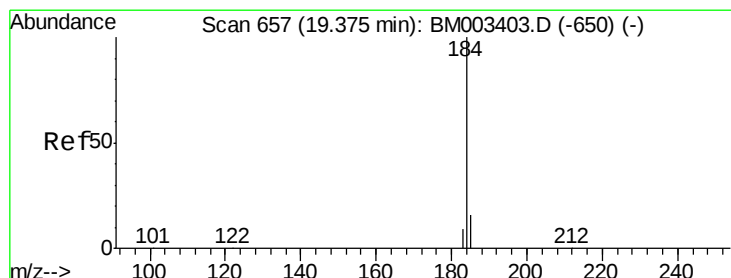
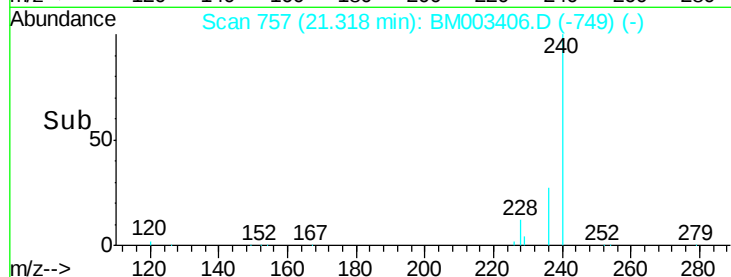
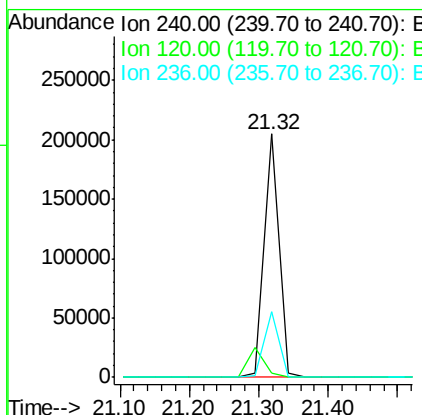
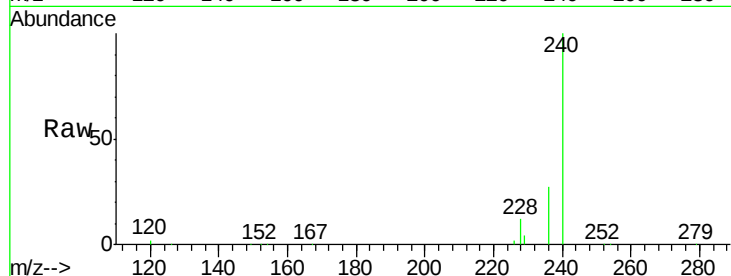
#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.32 min Scan# 757
Delta R.T. 0.00 min
Lab File: BM003406.D
Acq: 07 Dec 2015 13:58

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tot Ion	Ratio	Lower	Upper
240	100		
120	1.8	10.4	15.6#
236	27.1	22.0	33.0

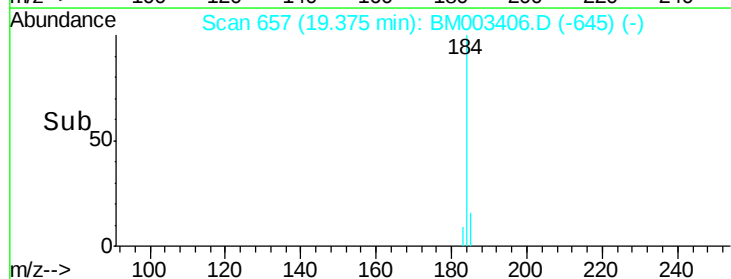
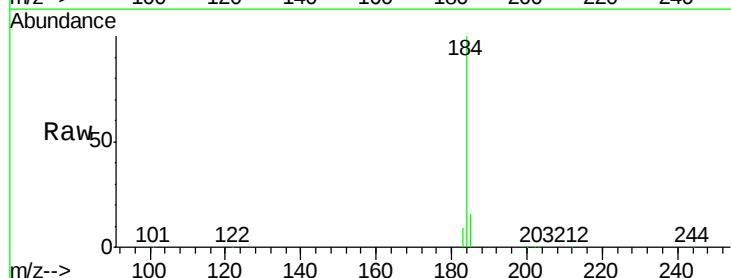
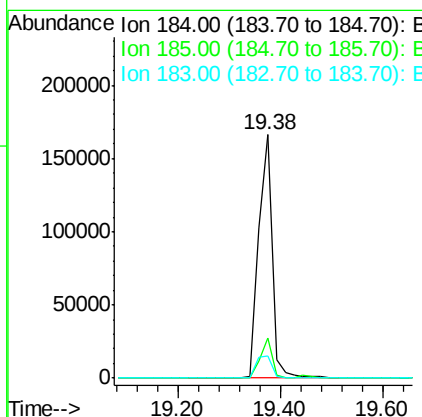
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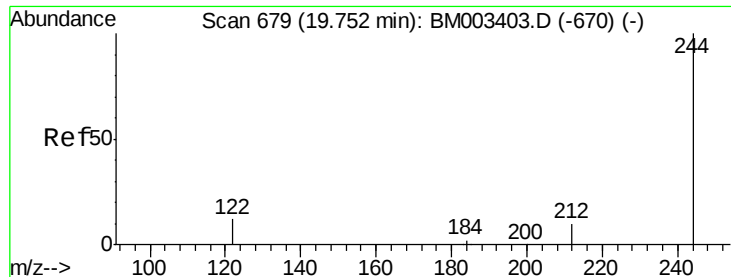
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#32
Benzidine
Concen: 16.60 ng
RT: 19.38 min Scan# 657
Delta R.T. 0.00 min
Lab File: BM003406.D
Acq: 07 Dec 2015 13:58

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.4	11.6	17.4
183	9.1	8.6	13.0





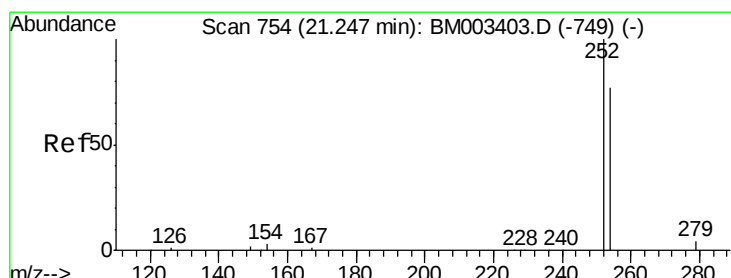
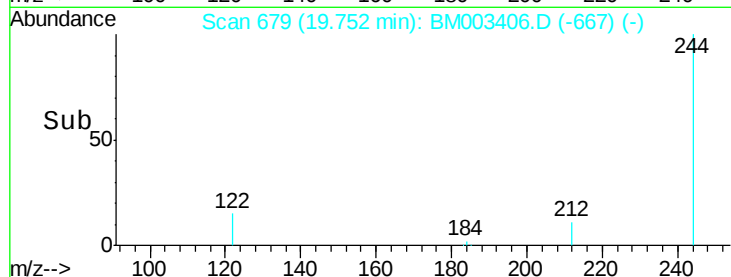
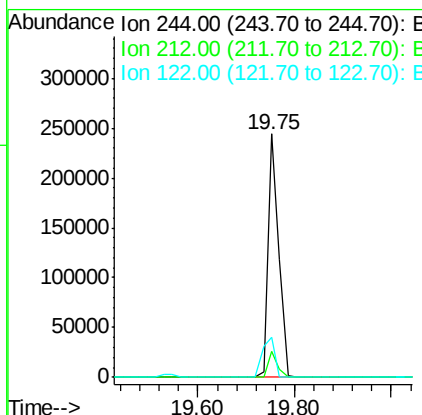
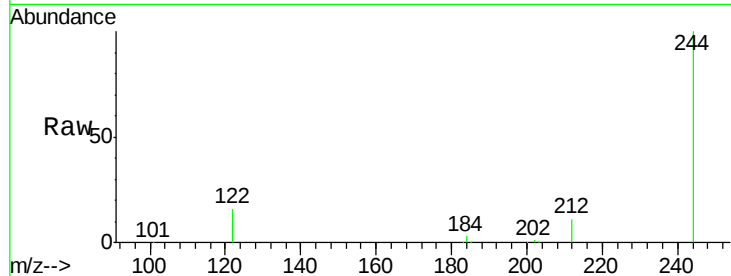
#33
 Terphenyl-d14
 Concen: 9.15 ng
 RT: 19.75 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: BM003406.D
 Acq: 07 Dec 2015 13:58

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC010

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.3	10.9
122	19.5	14.8	22.2

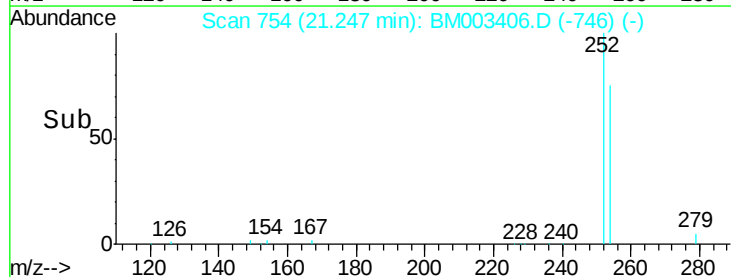
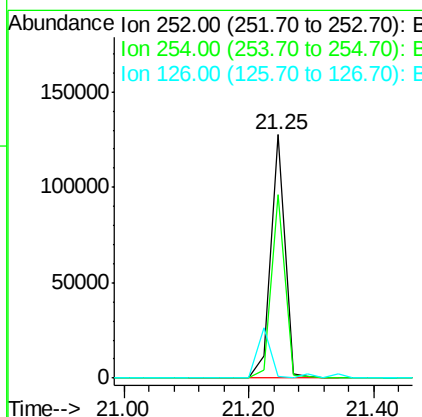
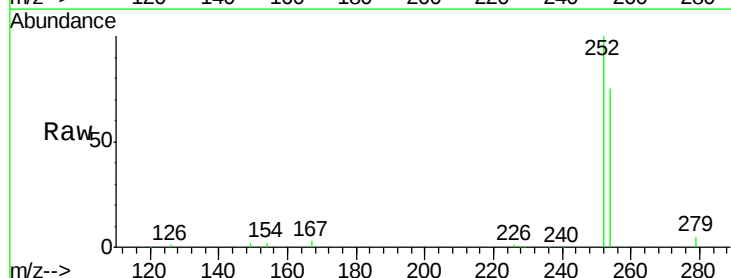
Manual Integrations
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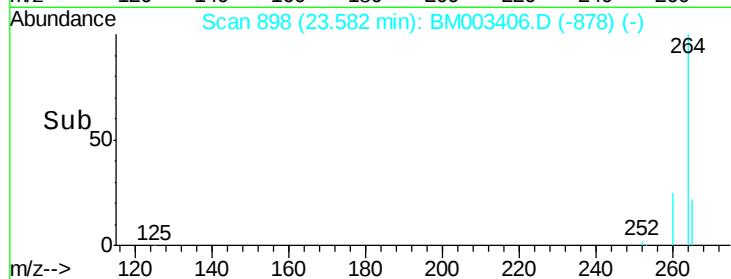
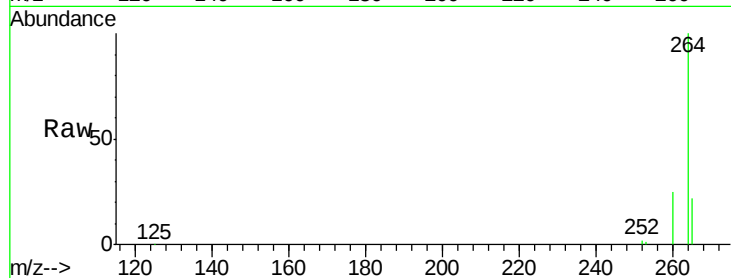
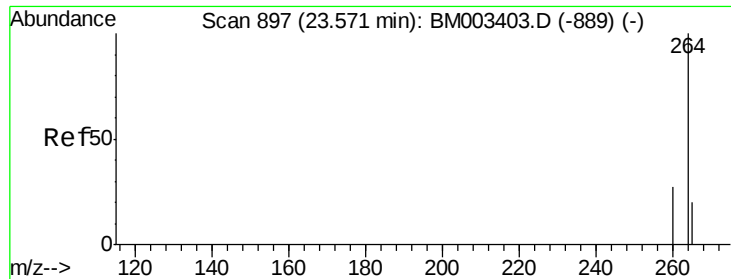
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#34
 3,3'-Dichlorobenzidine
 Concen: 11.24 ng
 RT: 21.25 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: BM003406.D
 Acq: 07 Dec 2015 13:58

Tgt Ion	Ratio	Lower	Upper
252	100		
254	75.3	53.7	80.5
126	0.7	2.8	4.2#





#35

Pervlene-d12

Concen: 5.00 ng

RT: 23.58 min Scan# 898

Delta R.T. 0.01 min

Lab File: BM003406.D

Acq: 07 Dec 2015 13:58

Tot Ion:	264	Resp:	180607
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.7	29.5
265	22.2	17.4	26.2

Instrument :

BNA_M

ClientSampleId :

SSTDIC010

Manual Integrations
APPROVED

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