

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031319\
 Data File : BM019155.D
 Acq On : 13 Mar 2019 20:42
 Operator : JU/SJ
 Sample : K1861-05MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF-10-031119MS

Manual Integrations
 APPROVED

Sohil
 3/14/2019 3:38:04 PM

Quant Time: Mar 14 08:05:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 11 17:30:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	199218	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	900635	20.00	ng	0.00
39) Acenaphthene-d10	14.31	164	572624	20.00	ng	-0.01
64) Phenanthrene-d10	17.07	188	1322752	20.00	ng	0.00
76) Chrysene-d12	21.27	240	1366734	20.00	ng	0.00
87) Perylene-d12	23.50	264	1188505	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	1582992	128.68	ng	0.00
7) Phenol-d6	6.85	99	2384424	132.52	ng	0.00
23) Nitrobenzene-d5	8.83	82	1458035	76.53	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	1083078	128.11	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	3142265	71.38	ng	0.00
79) Terphenyl-d14	19.70	244	5139122	74.65	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.22	88	171751	31.385	ng	100
3) Pyridine	3.62	79	374461	25.152	ng	97
4) n-Nitrosodimethylamine	3.54	42	153805	33.230	ng	94
6) Aniline	7.00	93	464862	20.011	ng	98
8) 2-Chlorophenol	7.23	128	568124	38.432	ng	98
9) Benzaldehyde	6.82	77	269327	23.797	ng	99
10) Phenol	6.87	94	841605	43.400	ng	98
11) bis(2-Chloroethyl)ether	7.10	93	515124	34.813	ng	99
12) 1,3-Dichlorobenzene	7.55	146	534881	34.191	ng	99
13) 1,4-Dichlorobenzene	7.69	146	551164	34.558	ng	98
14) 1,2-Dichlorobenzene	8.00	146	538395	34.697	ng	99
15) Benzyl Alcohol	7.91	79	566735	38.056	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.19	45	523584	34.654	ng	98
17) 2-Methylphenol	8.10	107	517729	40.971	ng	99
18) Hexachloroethane	8.72	117	202863	34.230	ng	97
19) n-Nitroso-di-n-propylamine	8.47	70	524518	35.532	ng	98
20) 3+4-Methylphenols	8.43	107	712187	41.521	ng	100
22) Acetophenone	8.49	105	851836	34.224	ng	100
24) Nitrobenzene	8.87	77	726776	36.677	ng	99
25) Isophorone	9.39	82	1354012	37.243	ng	99
26) 2-Nitrophenol	9.57	139	308907	37.609	ng	100
27) 2,4-Dimethylphenol	9.63	122	572144	46.856	ng	99
28) bis(2-Chloroethoxy)methane	9.87	93	800193	37.171	ng	99
29) 2,4-Dichlorophenol	10.10	162	582707	43.088	ng	99
30) 1,2,4-Trichlorobenzene	10.30	180	550251	36.084	ng	99
31) Naphthalene	10.49	128	1720244	36.238	ng	100
32) Benzoic acid	9.79	122	347632m	33.615	ng	
33) 4-Chloroaniline	10.63	127	227836	11.708	ng	100
34) Hexachlorobutadiene	10.75	225	292998	33.482	ng	99
35) Caprolactam	11.45	113	199780m	41.470	ng	
36) 4-Chloro-3-methylphenol	11.75	107	698473	41.858	ng	99
37) 2-Methylnaphthalene	12.11	142	1332990	38.643	ng	99
38) 1-Methylnaphthalene	12.33	142	1274997	37.499	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.48	216	622222	34.351	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.45	237	645132	78.629	nq	98
43) 2,4,6-Trichlorophenol	12.73	196	482519	41.221	nq	99
44) 2,4,5-Trichlorophenol	12.81	196	526270m	42.043	nq	
46) 1,1'-Biphenyl	13.14	154	1765899	35.312	nq	99
47) 2-Chloronaphthalene	13.18	162	1359715	36.427	nq	99
48) 2-Nitroaniline	13.41	65	489249	39.082	nq	98
49) Acenaphthylene	14.03	152	2275793	36.058	nq	100
50) Dimethylphthalate	13.79	163	2094651	42.761	nq	99
51) 2,6-Dinitrotoluene	13.91	165	402012	37.964	nq	96
52) Acenaphthene	14.38	154	1309641	36.111	nq	99
53) 3-Nitroaniline	14.24	138	251295	22.406	nq	100
54) 2,4-Dinitrophenol	14.46	184	443839	72.173	nq	99
55) Dibenzofuran	14.72	168	2161978	36.965	nq	99
56) 4-Nitrophenol	14.56	139	702977	76.770	nq	99
57) 2,4-Dinitrotoluene	14.70	165	578490	37.635	nq	98
58) Fluorene	15.37	166	1767938	36.672	nq	99
59) 2,3,4,6-Tetrachlorophenol	14.94	232	471628	40.472	nq	99
60) Diethylphthalate	15.14	149	1899512	38.288	nq	100
61) 4-Chlorophenyl-phenylether	15.36	204	876556	37.436	nq	98
62) 4-Nitroaniline	15.42	138	403909	35.736	nq	98
63) Azobenzene	15.66	77	2002579	38.360	nq	99
65) 4,6-Dinitro-2-methylphenol	15.46	198	299459	34.548	nq	98
66) n-Nitrosodiphenylamine	15.59	169	1566921	37.208	nq	99
67) 4-Bromophenyl-phenylether	16.26	248	522011	35.787	nq	99
68) Hexachlorobenzene	16.36	284	622022	35.868	nq	99
69) Atrazine	16.54	200	556311	39.244	nq	98
70) Pentachlorophenol	16.72	266	787787	75.399	nq	100
71) Phenanthrene	17.11	178	2790533	35.992	nq	100
72) Anthracene	17.20	178	2855238	37.618	nq	100
73) Carbazole	17.48	167	2625089	36.644	nq	99
74) Di-n-butylphthalate	18.03	149	3360722	38.796	nq	100
75) Fluoranthene	19.13	202	3210463	36.087	nq	100
77) Benzidine	19.34	184	695975	17.955	nq	100
78) Pyrene	19.50	202	3260392	37.703	nq	100
80) Butylbenzylphthalate	20.40	149	1581491	41.989	nq	100
81) Benzo(a)anthracene	21.25	228	3019108	35.211	nq	100
82) 3,3'-Dichlorobenzidine	21.19	252	685292	20.747	nq	100
83) Chrysene	21.30	228	2893253	34.879	nq	100
84) Bis(2-ethylhexyl)phthalate	21.17	149	2327819	42.482	nq	98
85) Di-n-octyl phthalate	22.05	149	3876258	42.010	nq	100
86) Indeno(1,2,3-cd)pyrene	25.77	276	2828419	31.675	nq	100
88) Benzo(b)fluoranthene	22.83	252	2793923	36.279	nq	100
89) Benzo(k)fluoranthene	22.87	252	2805932	39.613	nq	100
90) Benzo(a)pyrene	23.41	252	2604724	37.636	nq	99
91) Dibenzo(a,h)anthracene	25.78	278	2420706	36.564	nq	100
92) Benzo(g,h,i)perylene	26.46	276	2244048	36.920	nq	100

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

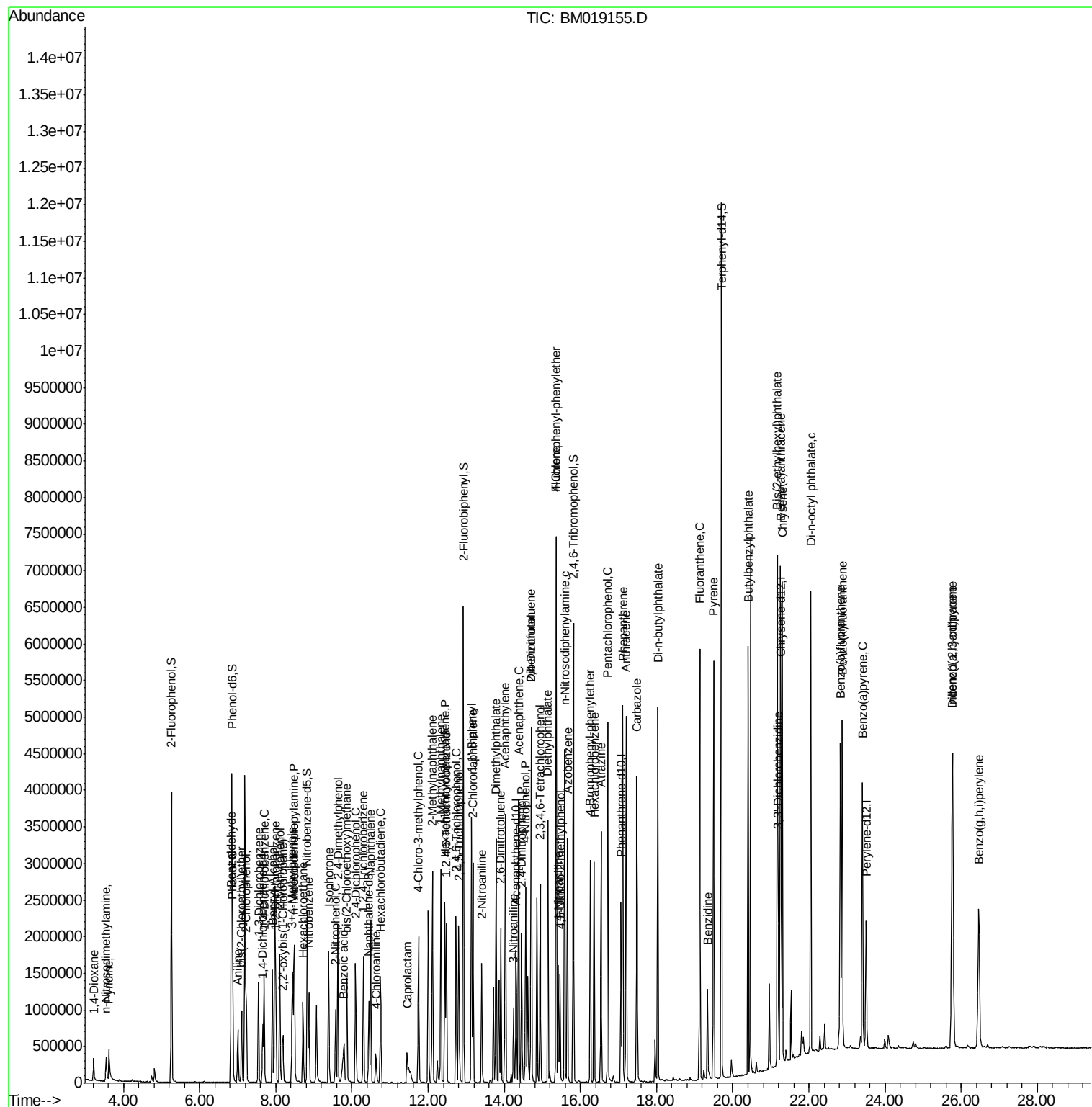
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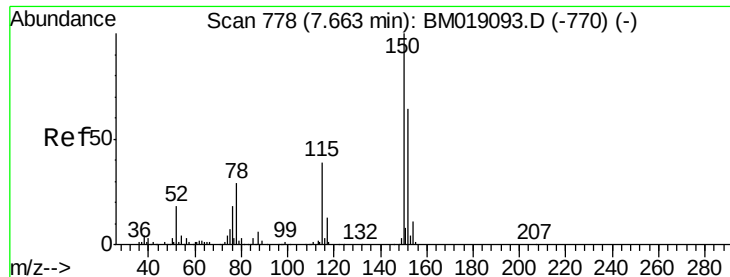
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#1

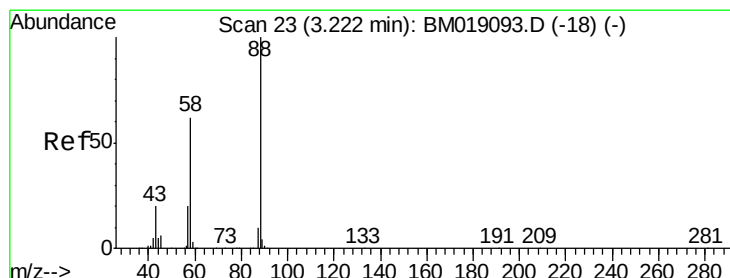
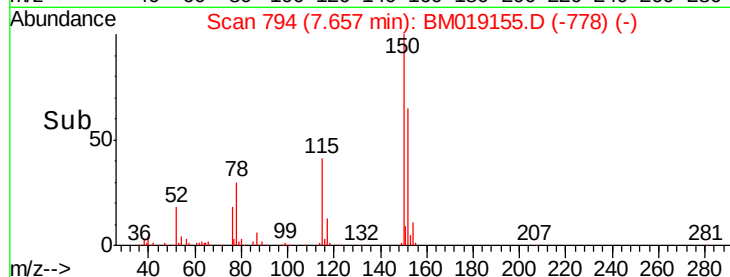
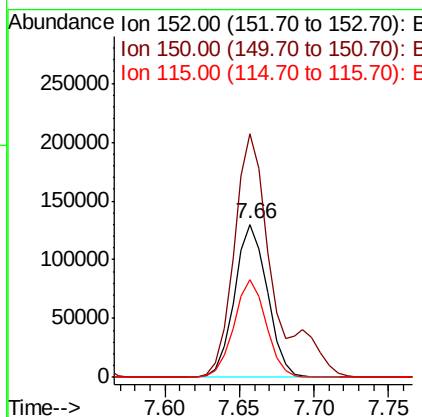
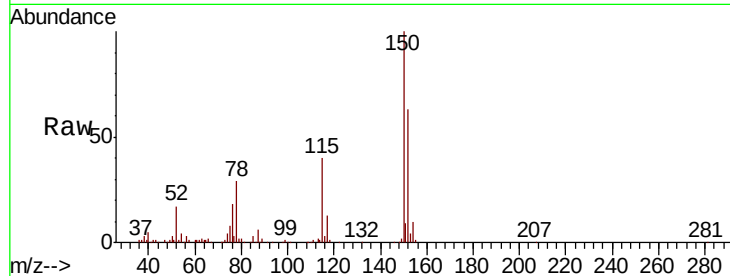
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.66 min Scan# 794
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

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Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	125.3	187.9
115	64.1	49.4	74.0

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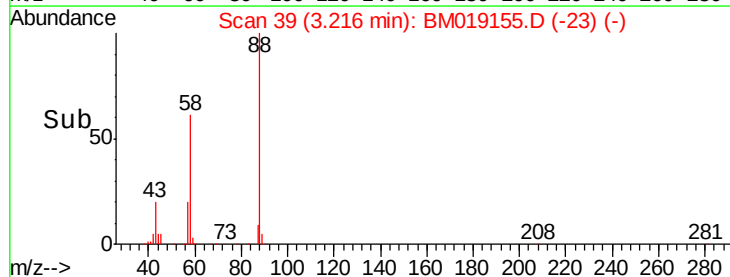
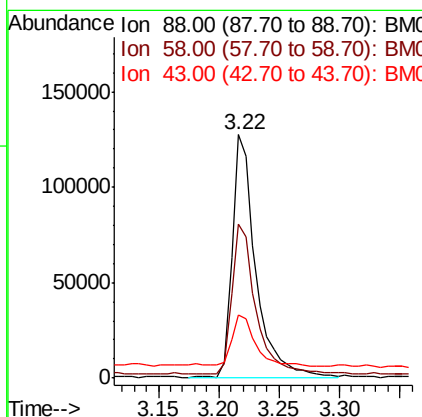
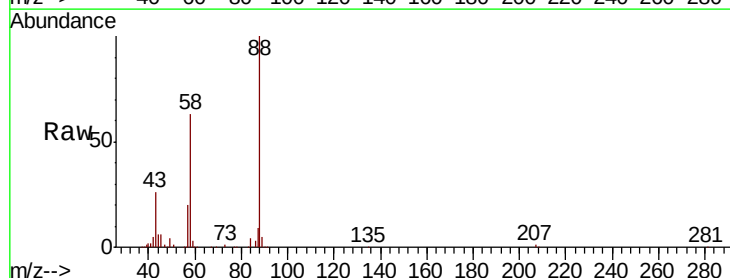
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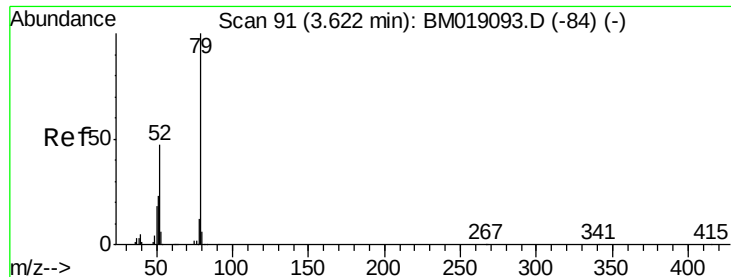


#2

1,4-Dioxane
Concen: 31.385 ng
RT: 3.22 min Scan# 39
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Lower	Upper
88	100		
58	62.0	50.0	75.0
43	21.2	17.0	25.4





#3

Pvridine

Concen: 25.152 ng

RT: 3.62 min Scan# 107

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Instrument :

BNA_M

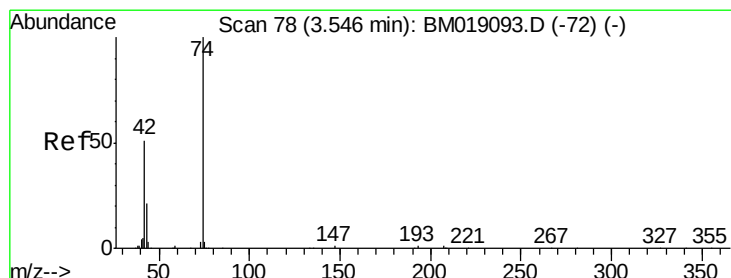
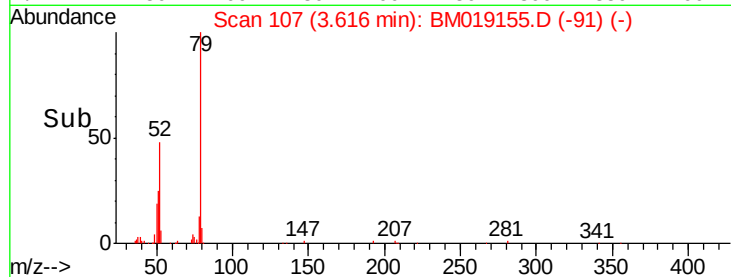
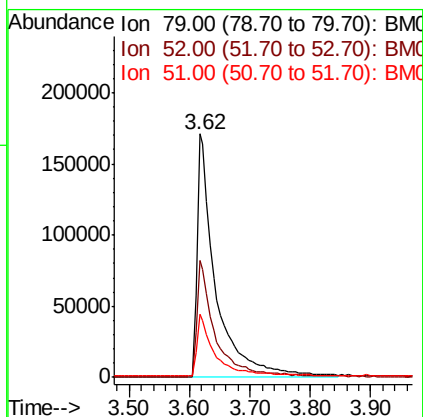
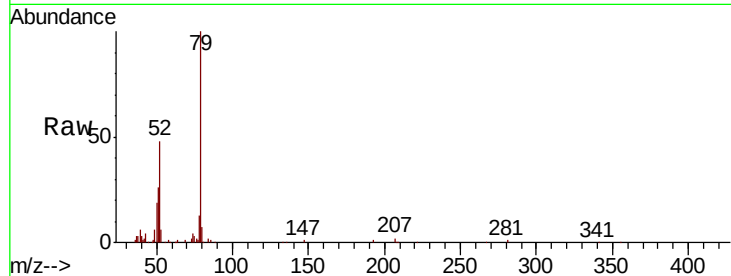
ClientSampleId :

BF-10-031119MS

Tot Ion:	79	Resp:	374461
Ion Ratio	Lower	Upper	
79	100		
52	48.1	37.5	56.3
51	26.2	19.2	28.8

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#4

n-Nitrosodimethylamine

Concen: 33.230 ng

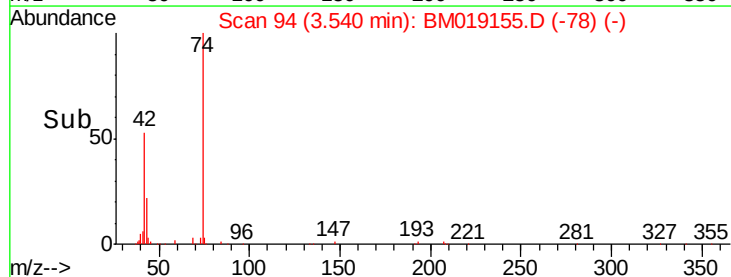
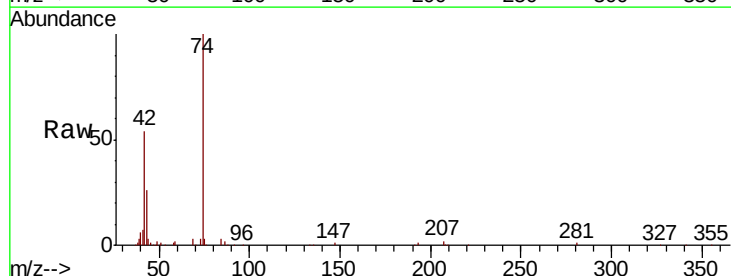
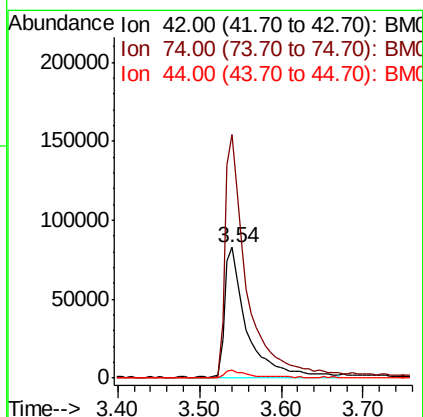
RT: 3.54 min Scan# 94

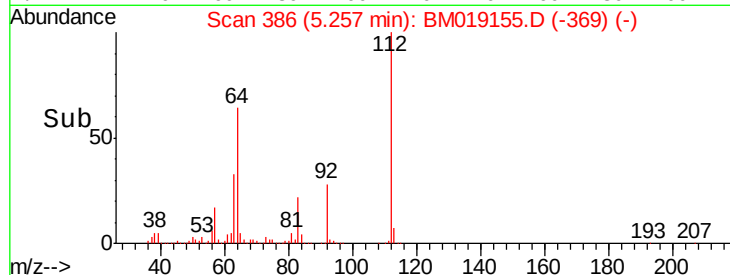
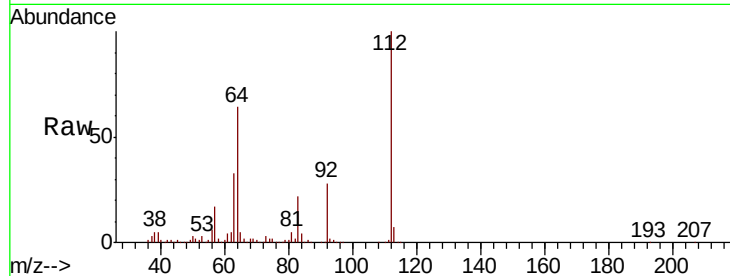
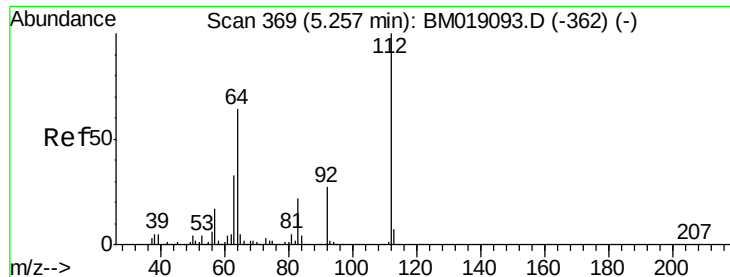
Delta R.T. -0.01 min

Lab File: BM019155.D

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Tgt Ion:	42	Resp:	153805
Ion Ratio	Lower	Upper	
42	100		
74	186.4	156.3	234.5
44	5.9	4.6	7.0





#5

2-Fluorophenol

Concen: 128.684 ng

RT: 5.26 min Scan# 386

Delta R.T. 0.00 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Instrument :

BNA_M

ClientSampleId :

BF-10-031119MS

Tot Ion:112 Resp: 1582992

Ion Ratio Lower Upper

112 100

64 63.6 51.4 77.0

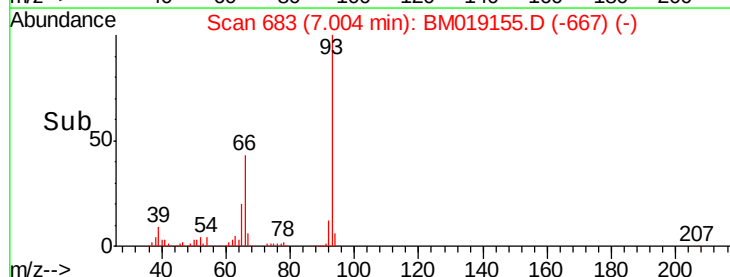
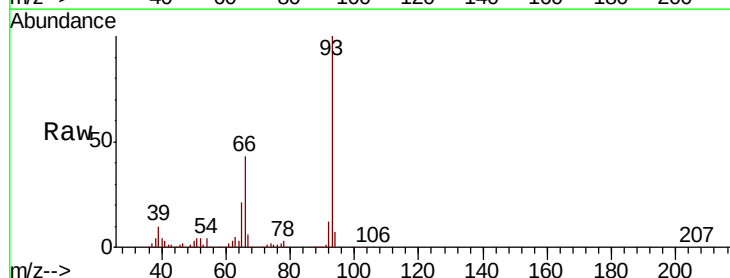
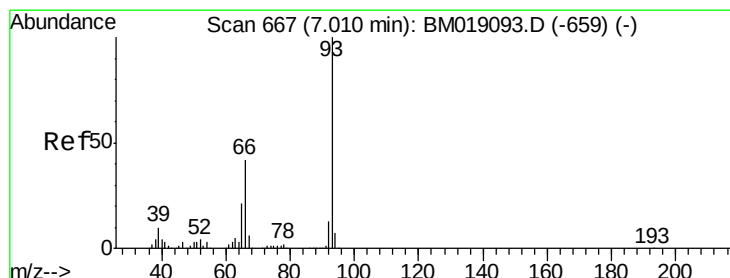
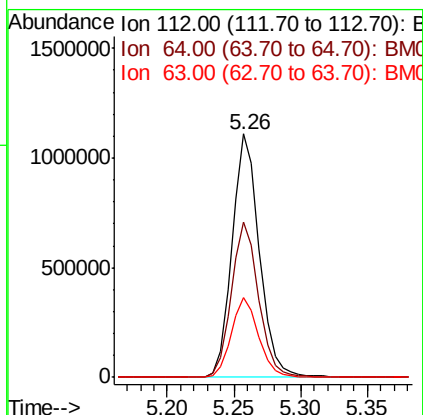
63 32.8 26.6 40.0

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#6

Aniline

Concen: 20.011 ng

RT: 7.00 min Scan# 683

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

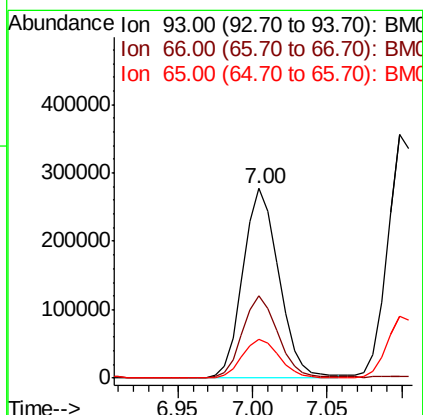
Tgt Ion: 93 Resp: 464862

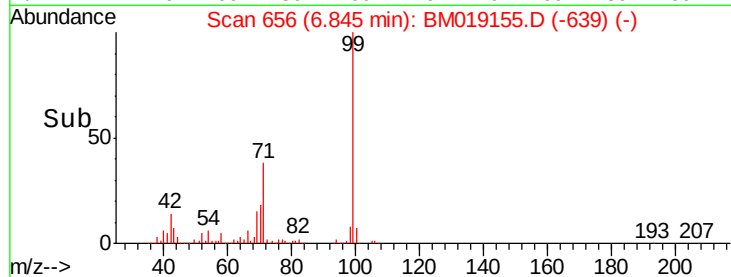
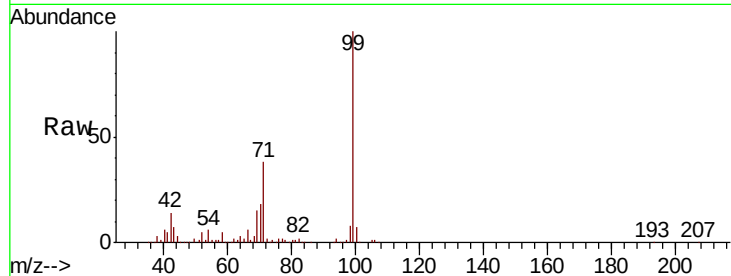
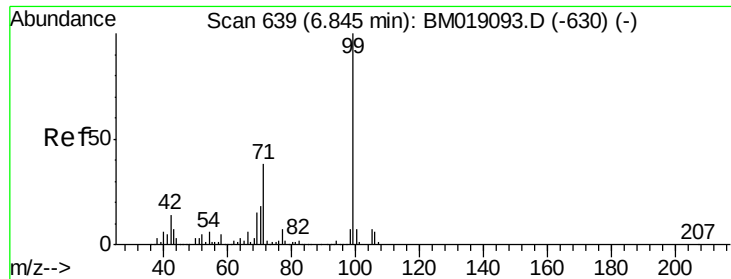
Ion Ratio Lower Upper

93 100

66 43.1 33.4 50.2

65 20.8 16.8 25.2





#7

Phenol-d6

Concen: 132.517 ng

RT: 6.85 min Scan# 656

Delta R.T. 0.00 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Tot Ion:	99	Resp:	2384424
Ion	Ratio	Lower	Upper
99	100		
42	13.9	10.9	16.3
71	37.7	30.3	45.5

Instrument :

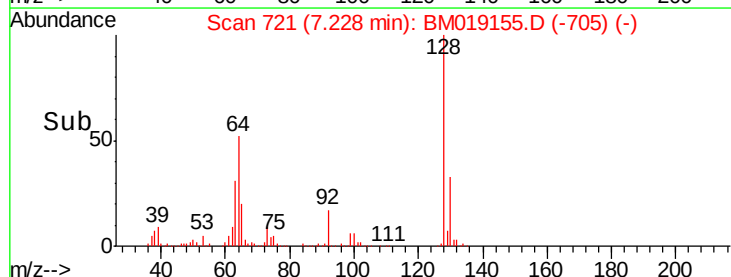
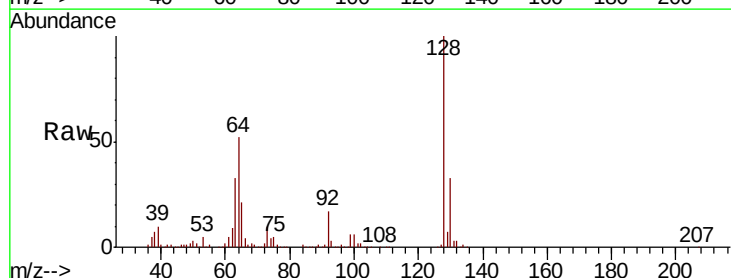
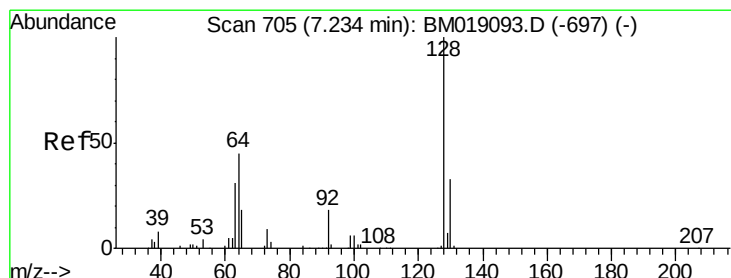
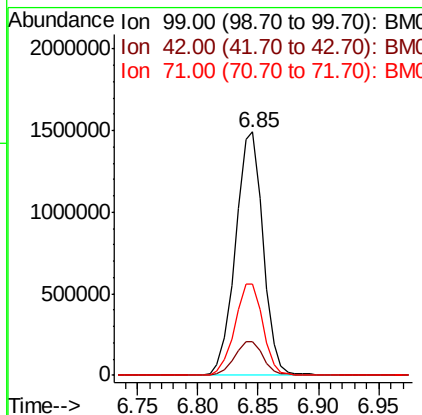
BNA_M

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#8

2-Chlorophenol

Concen: 38.432 ng

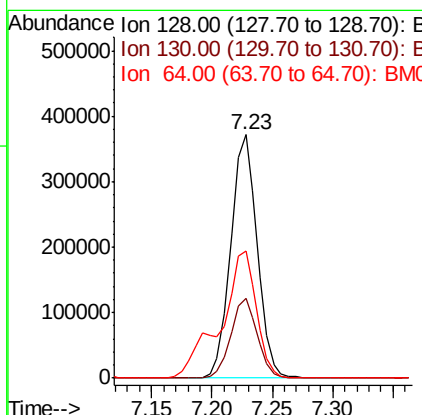
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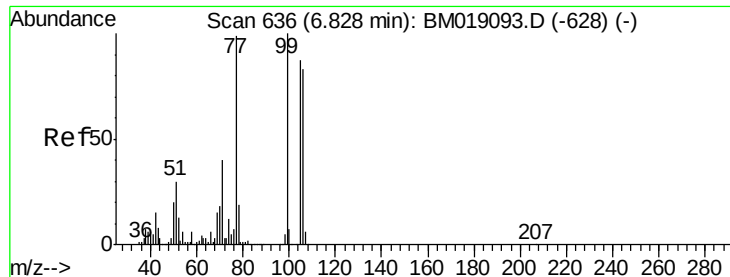
Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Tgt Ion:	128	Resp:	568124
Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.8	52.8
64	52.3	30.8	70.8





#9

Benzaldehyde

Concen: 23.797 ng

RT: 6.82 min Scan# 652

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Instrument :

BNA_M

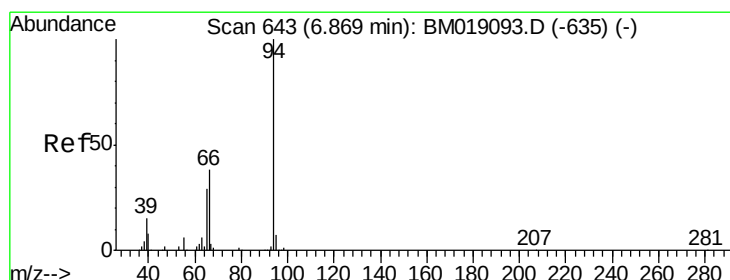
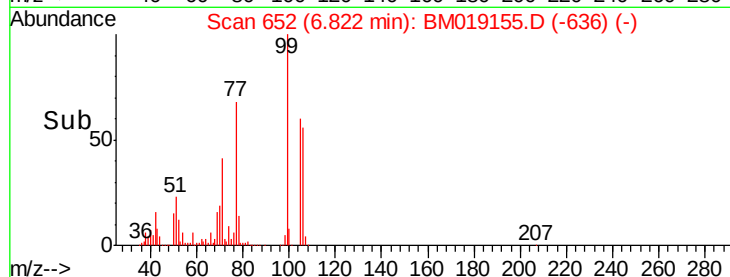
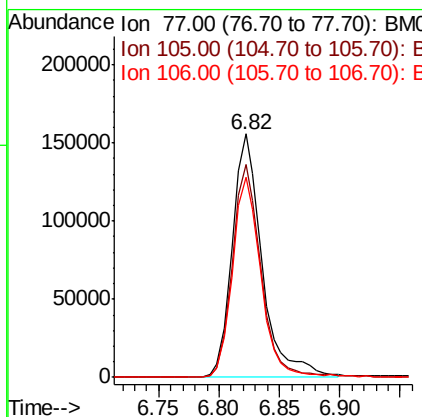
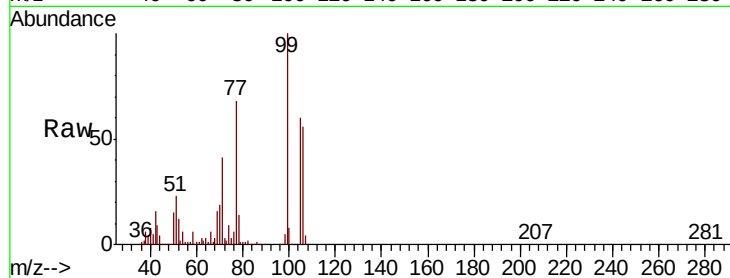
ClientSampleId :

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Tot Ion:	77	Resp:	269327
Ion Ratio	Lower	Upper	
77	100		
105	87.6	67.7	107.7
106	82.2	64.1	104.1

Manual Integrations
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#10

Phenol

Concen: 43.400 ng

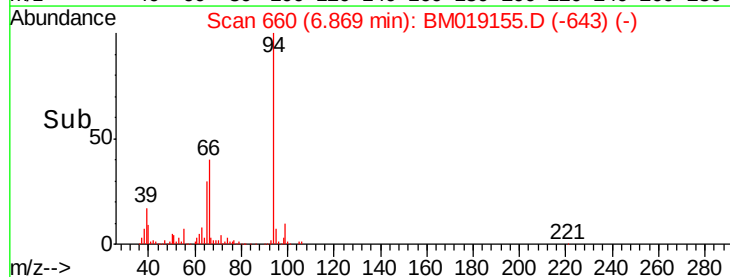
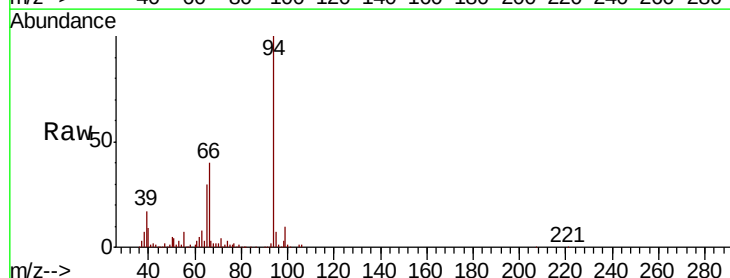
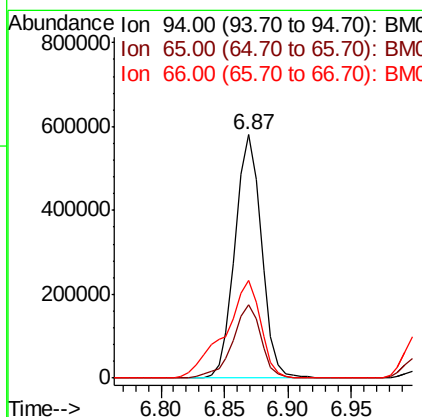
RT: 6.87 min Scan# 660

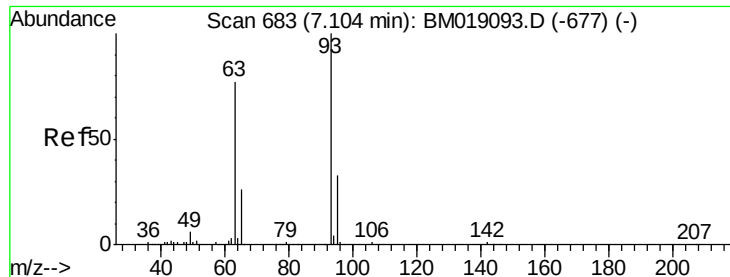
Delta R.T. 0.00 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Tgt Ion:	94	Resp:	841605
Ion Ratio	Lower	Upper	
94	100		
65	30.3	9.7	49.7
66	40.4	19.2	59.2





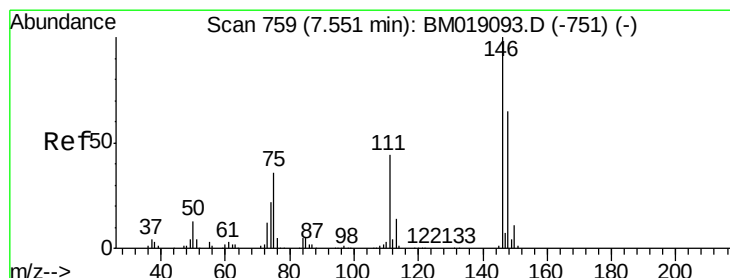
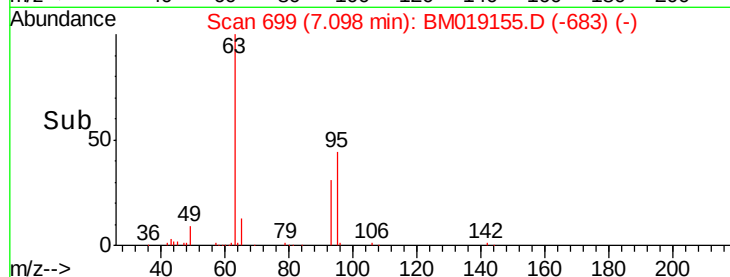
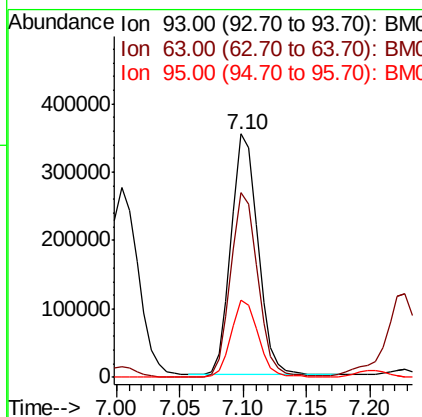
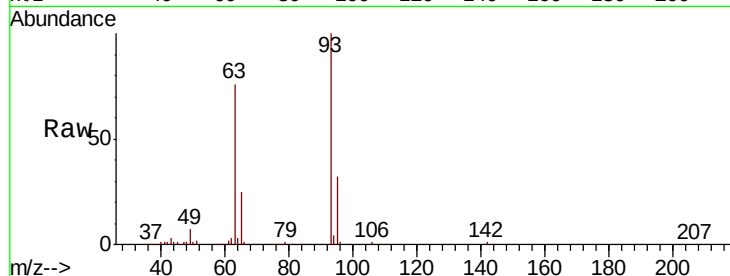
#11
bis(2-Chloroethyl)ether
Concen: 34.813 ng
RT: 7.10 min Scan# 699
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Instrument :
BNA_M
ClientSampleId :
BF-10-031119MS

Tot Ion	Ratio	Resp	Lower	Upper
93	100	515124		
63	75.9	56.6	96.6	
95	31.7	13.0	53.0	

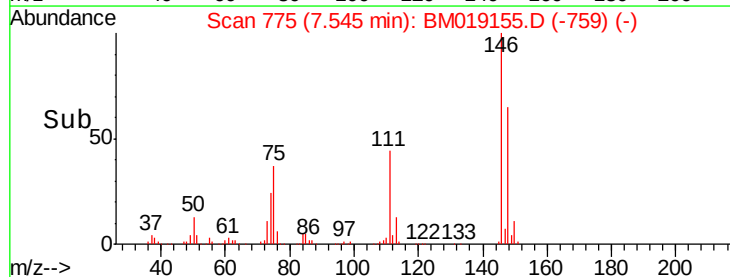
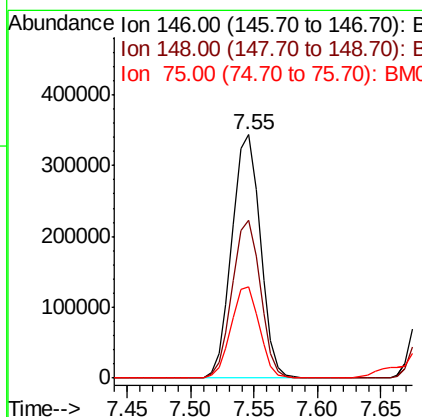
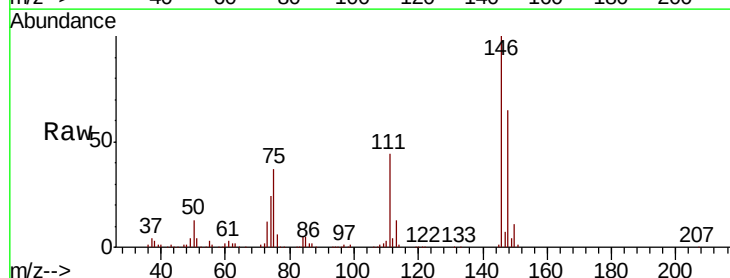
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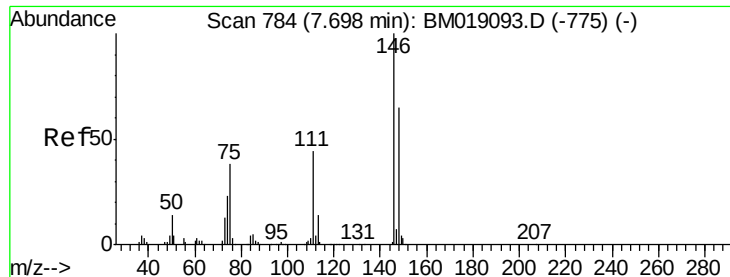
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#12
1,3-Dichlorobenzene
Concen: 34.191 ng
RT: 7.55 min Scan# 775
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	534881		
148	64.7	51.7	77.5	
75	37.4	29.1	43.7	





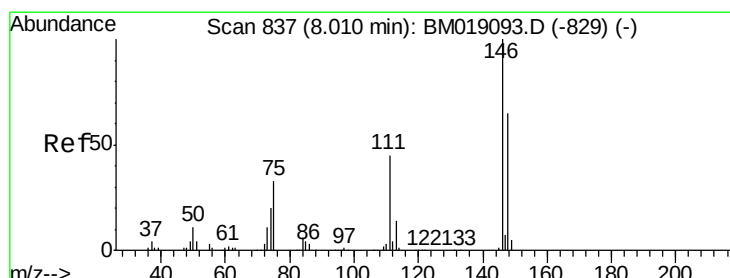
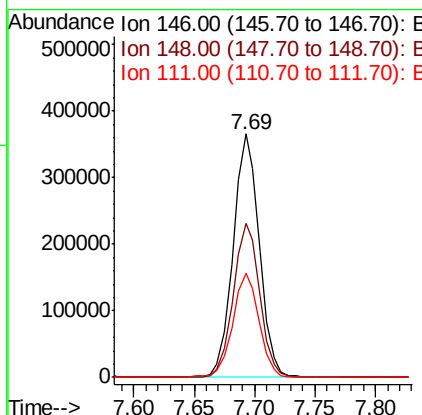
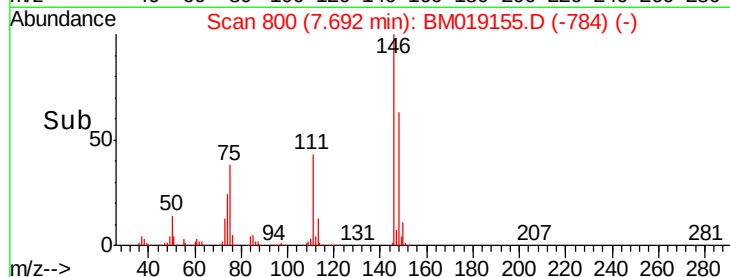
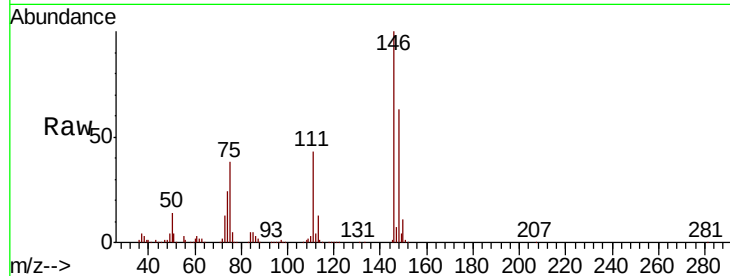
#13
 1,4-Dichlorobenzene
 Concen: 34.558 ng
 RT: 7.69 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BM019155.D
 Acq: 13 Mar 2019 20:42

Instrument :
 BNA_M
 ClientSampleId :
 BF-10-031119MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.8	77.6
111	42.7	35.4	53.0

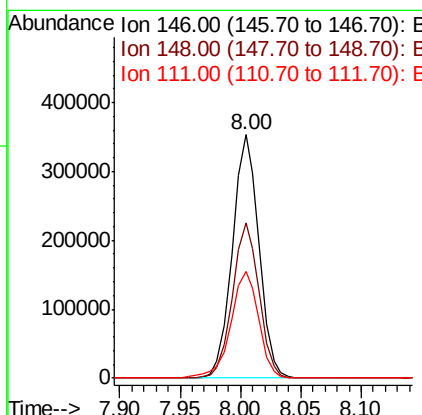
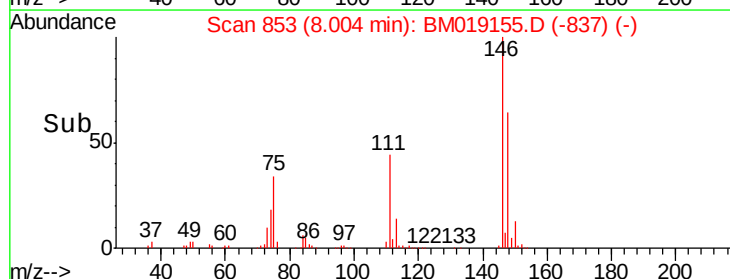
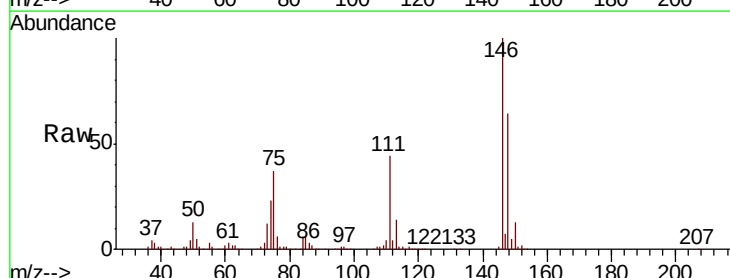
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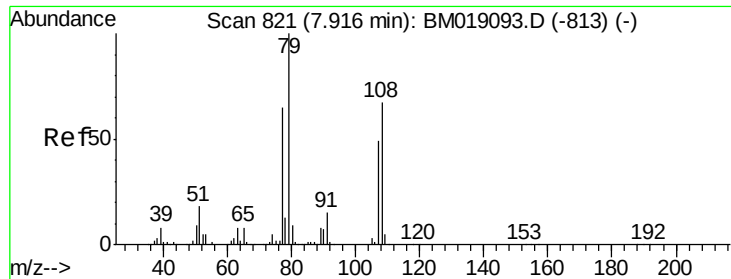
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#14
 1,2-Dichlorobenzene
 Concen: 34.697 ng
 RT: 8.00 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: BM019155.D
 Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.8	77.6
111	44.1	36.2	54.4





#15

Benzyl Alcohol

Concen: 38.056 ng

RT: 7.91 min Scan# 837

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Instrument :

BNA_M

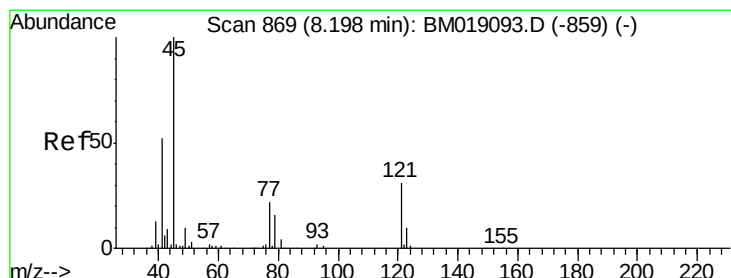
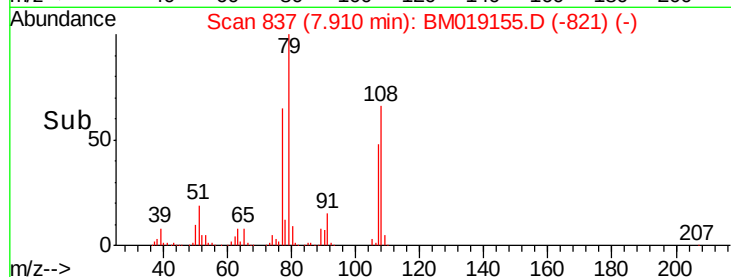
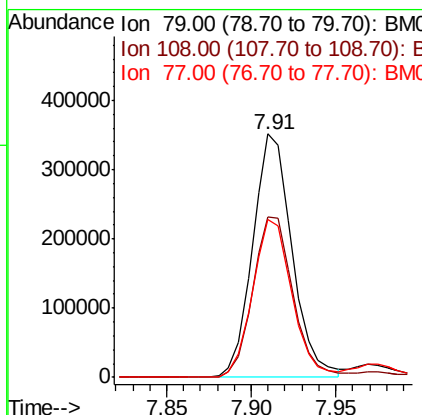
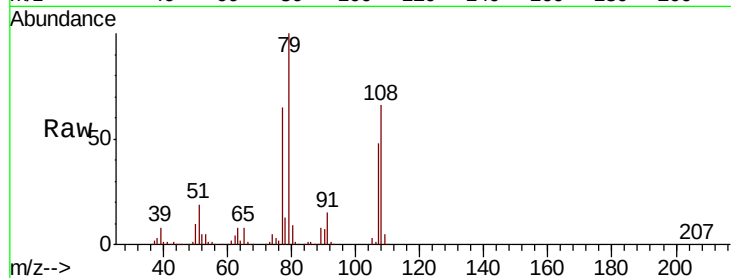
ClientSampleId :

BF-10-031119MS

Tot Ion:	79	Resp:	566735
Ion Ratio	Lower	Upper	
79	100		
108	66.1	53.7	80.5
77	64.6	51.8	77.8

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.654 ng

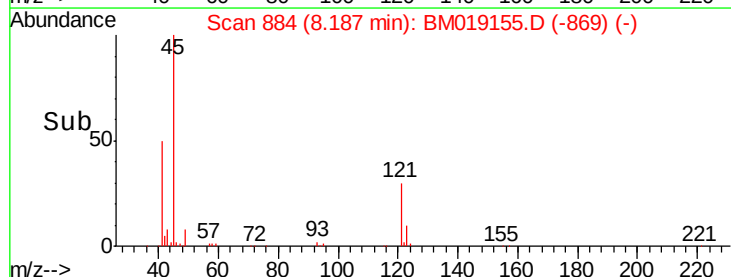
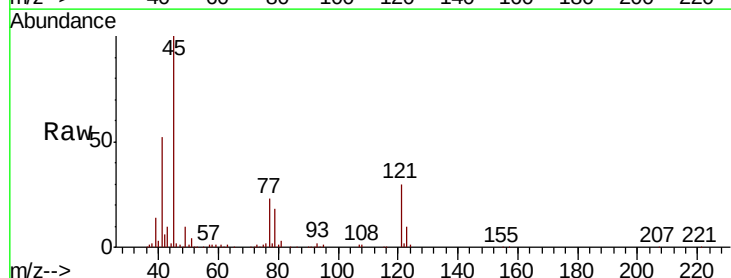
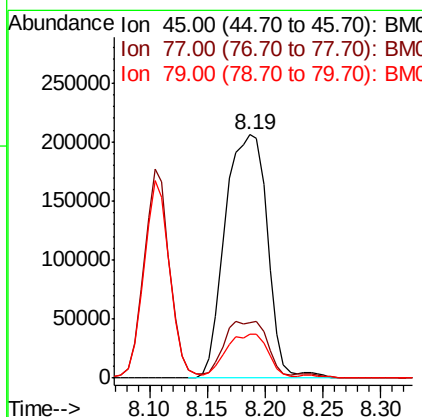
RT: 8.19 min Scan# 884

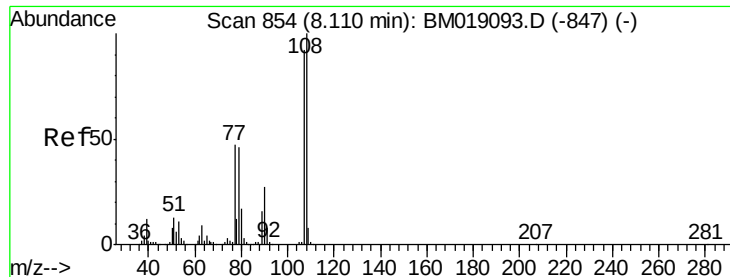
Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Tgt Ion:	45	Resp:	523584
Ion Ratio	Lower	Upper	
45	100		
77	22.8	4.1	44.1
79	18.1	0.0	38.1





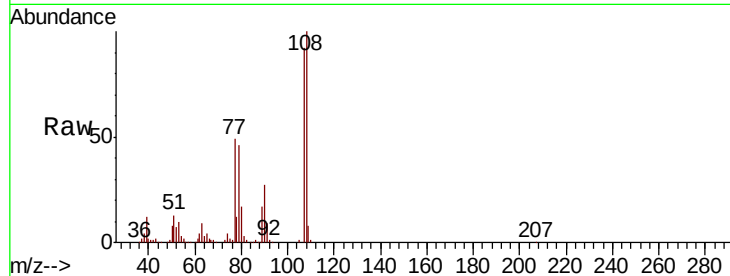
#17
2-Methylphenol
Concen: 40.971 ng
RT: 8.10 min Scan# 870
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Instrument :
BNA_M
ClientSampleId :
BF-10-031119MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	108.6	87.4	131.2	
77	53.2	41.6	62.4	
79	50.3	40.6	60.8	

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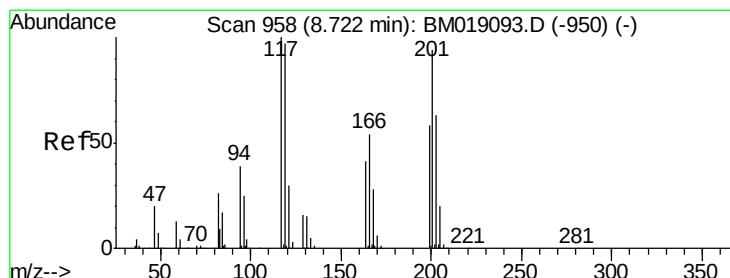
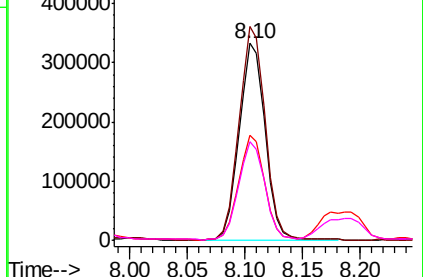
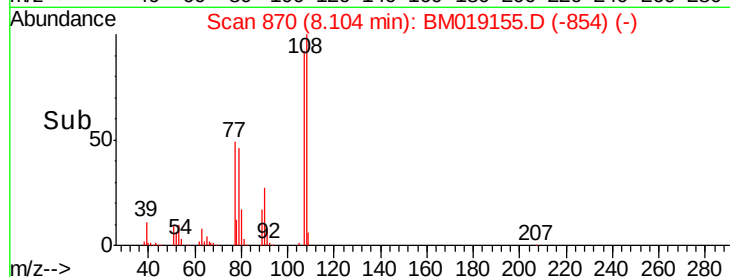
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

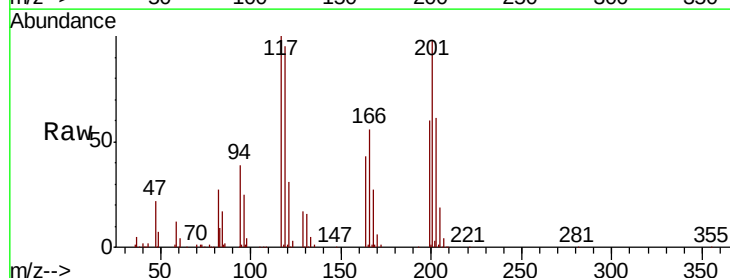
Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



#18
Hexachloroethane
Concen: 34.230 ng
RT: 8.72 min Scan# 974
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.5	77.4	116.2	
201	97.6	75.2	112.8	

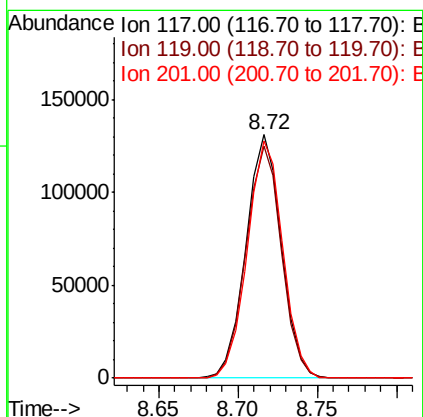
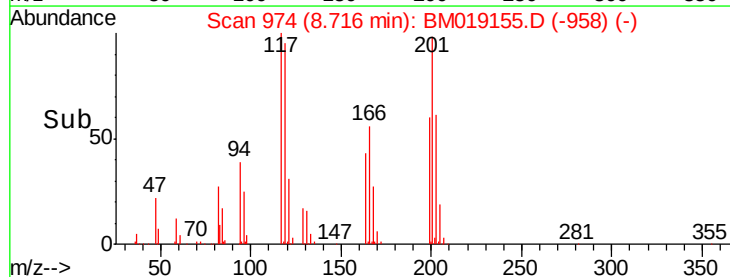


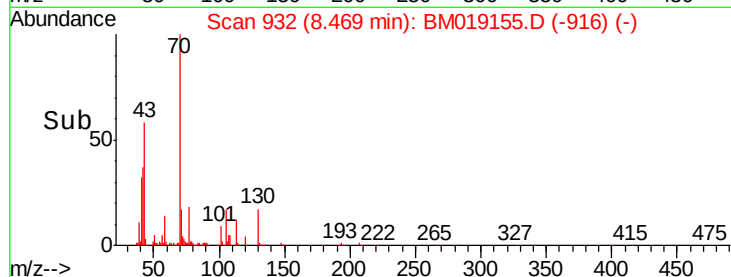
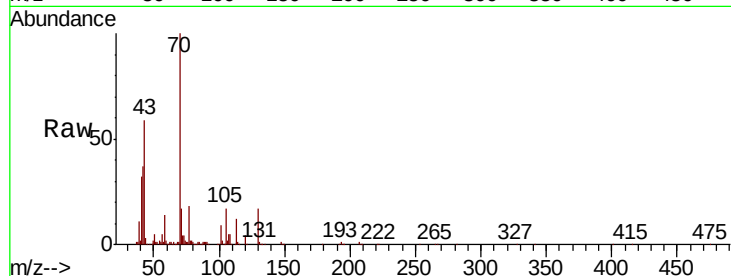
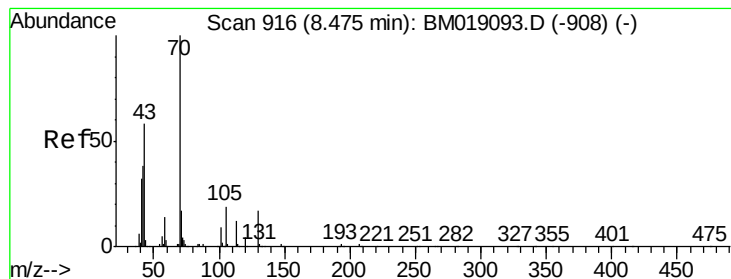
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 35.532 ng

RT: 8.47 min Scan# 932

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	36.7	30.6	45.8	
101	8.7	6.8	10.2	
130	17.3	13.9	20.9	

Instrument :

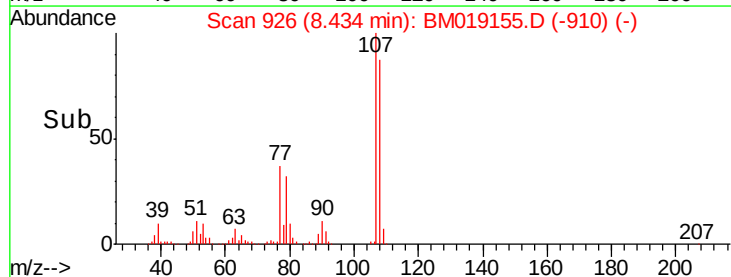
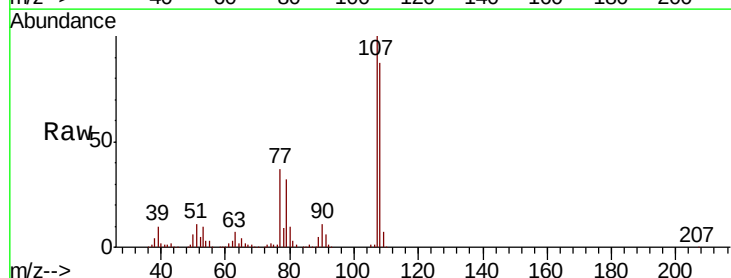
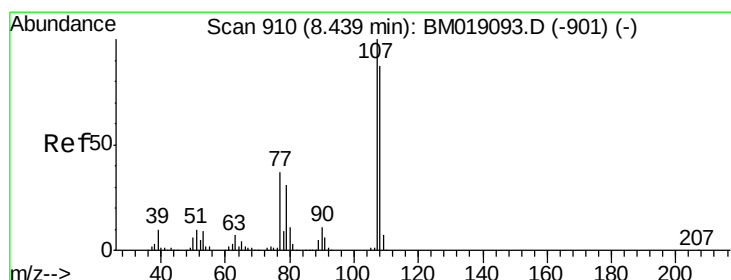
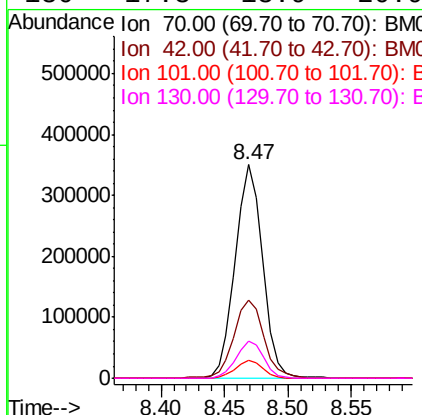
BNA_M

ClientSampleId :

BF-10-031119MS

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#20

3+4-Methylphenols

Concen: 41.521 ng

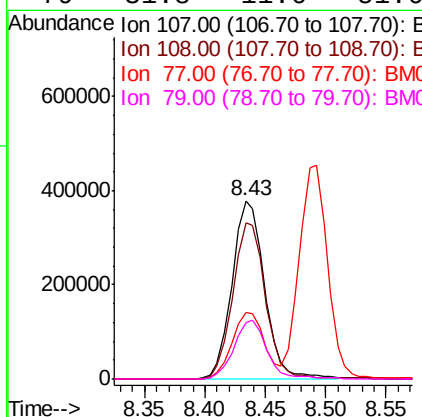
RT: 8.43 min Scan# 926

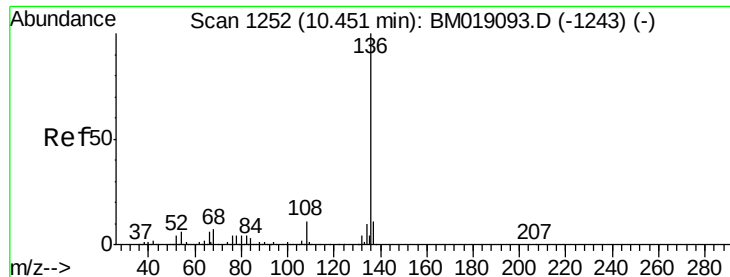
Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	87.3	67.0	107.0	
77	37.5	17.3	57.3	
79	31.8	11.6	51.6	





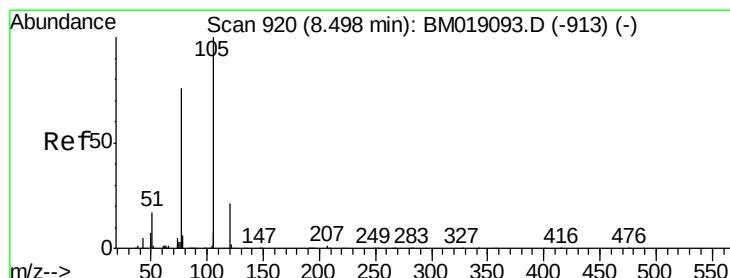
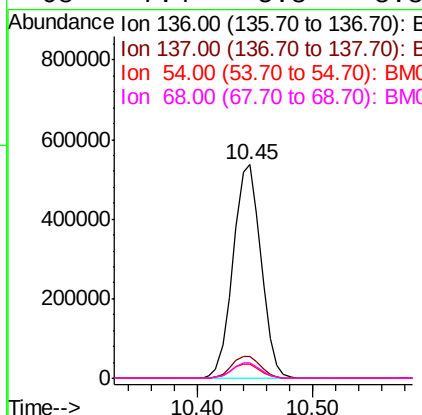
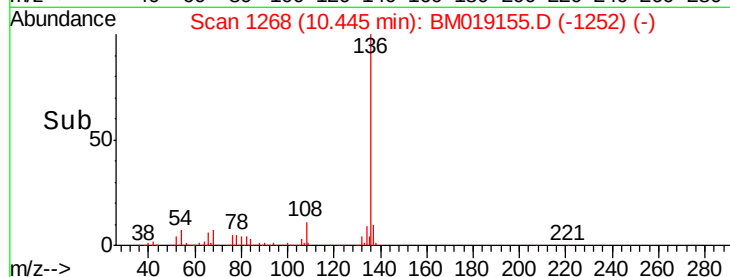
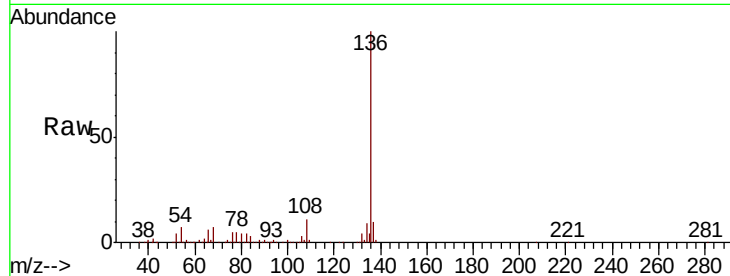
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.45 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Instrument :
BNA_M
ClientSampleId :
BF-10-031119MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	900635		
137	10.5		8.6	13.0
54	6.8		5.2	7.8
68	7.4		5.8	8.8

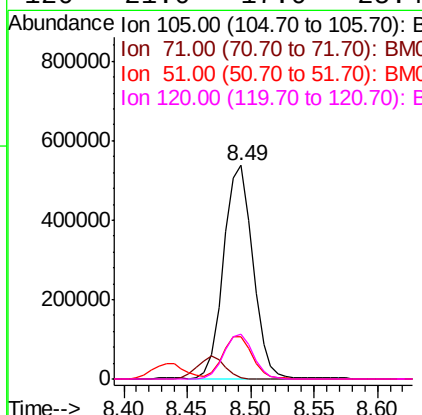
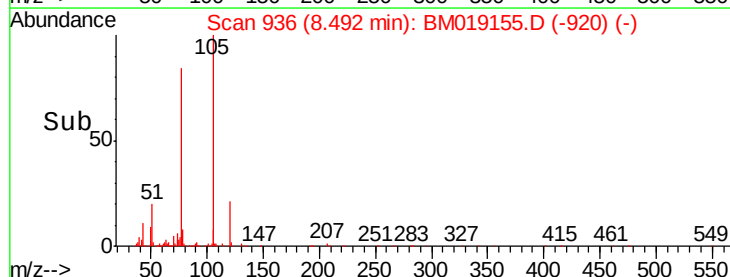
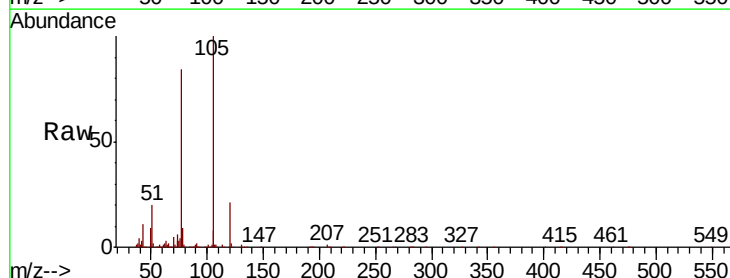
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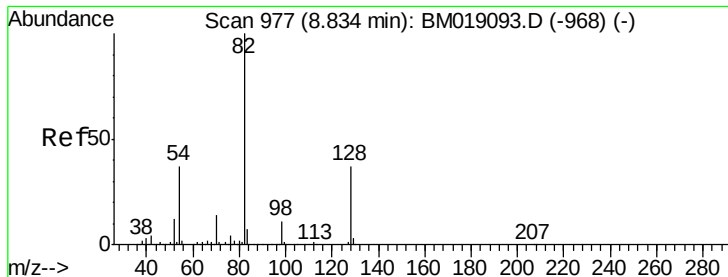
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#22
Acetophenone
Concen: 34.224 ng
RT: 8.49 min Scan# 936
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	851836		
71	0.8		0.8	1.2
51	19.7		15.8	23.6
120	21.0		17.0	25.4





#23

Nitrobenzene-d5

Concen: 76.525 ng

RT: 8.83 min Scan# 993

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Instrument :

BNA_M

ClientSampleId :

BF-10-031119MS

Tot Ion: 82 Resp: 1458035

Ion Ratio Lower Upper

82 100

128 37.1 29.4 44.2

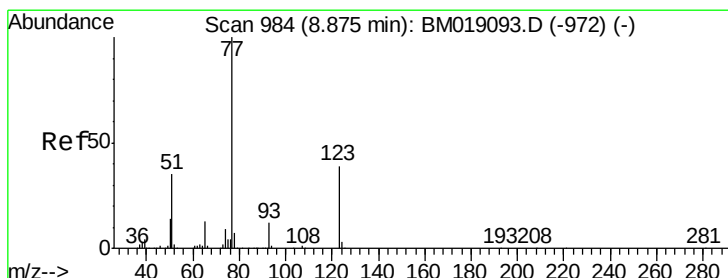
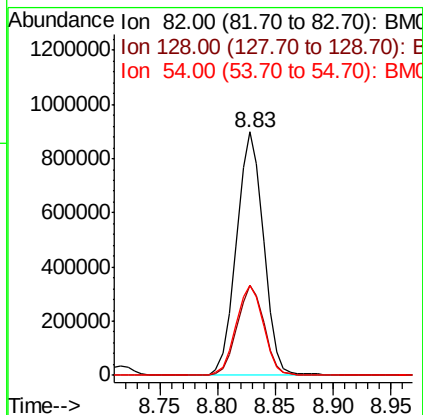
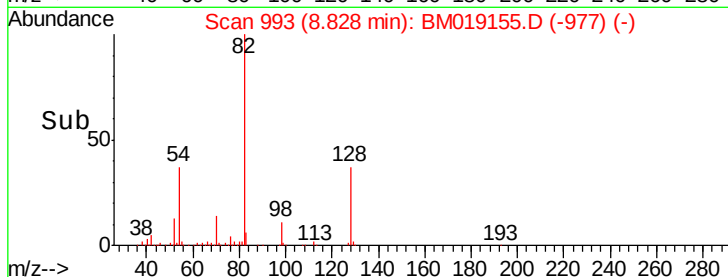
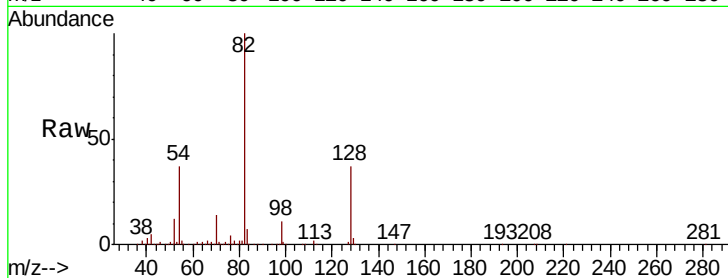
54 37.1 29.9 44.9

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#24

Nitrobenzene

Concen: 36.677 ng

RT: 8.87 min Scan# 1000

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

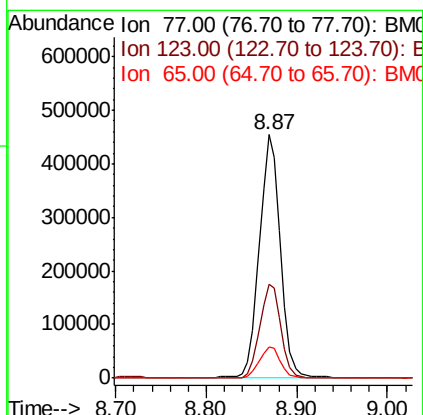
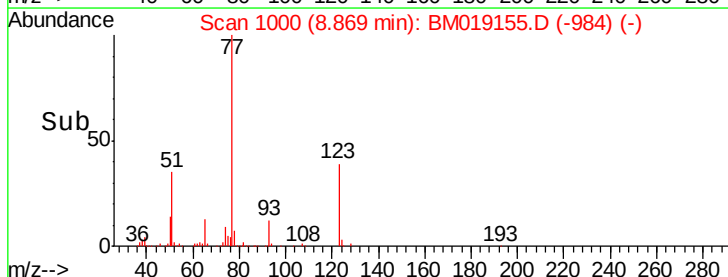
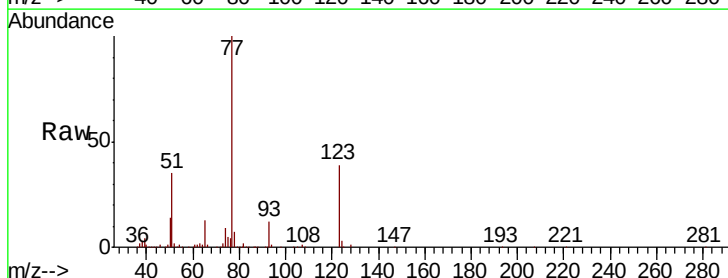
Tgt Ion: 77 Resp: 726776

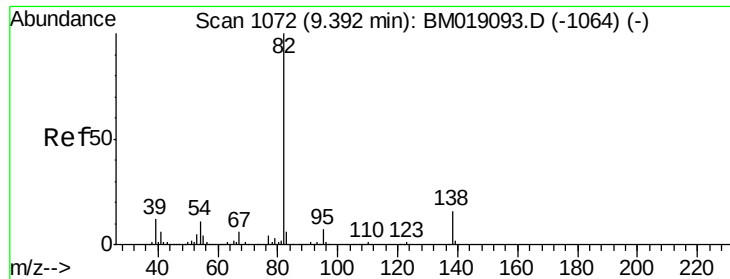
Ion Ratio Lower Upper

77 100

123 38.6 31.3 46.9

65 13.0 10.5 15.7





#25

Isophorone

Concen: 37.243 ng

RT: 9.39 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Instrument :

BNA_M

ClientSampleId :

BF-10-031119MS

Tot Ion: 82 Resp: 1354012

Ion Ratio Lower Upper

82 100

95 6.8 5.4 8.2

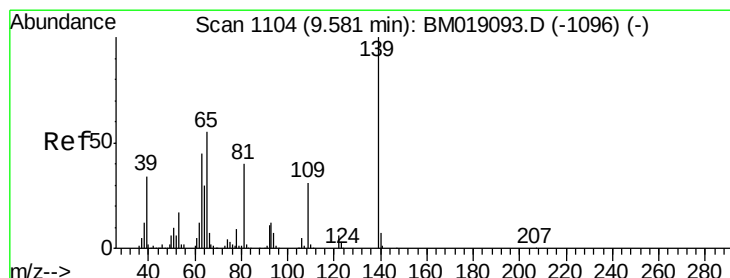
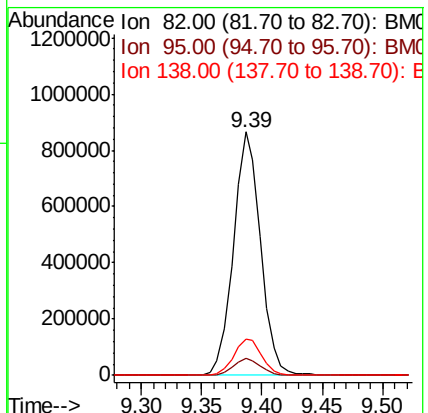
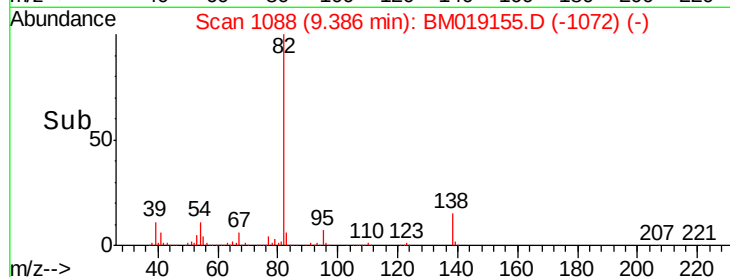
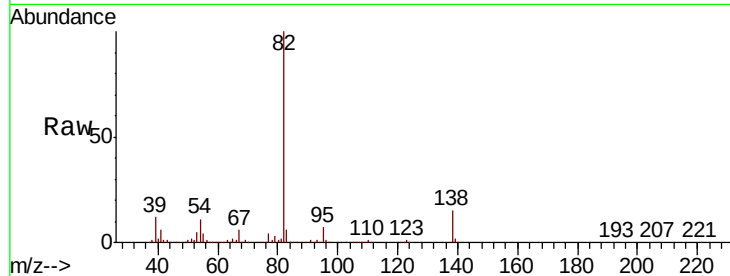
138 14.9 12.6 18.8

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#26

2-Nitrophenol

Concen: 37.609 ng

RT: 9.57 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

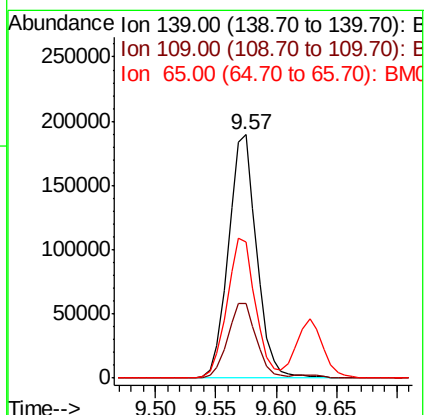
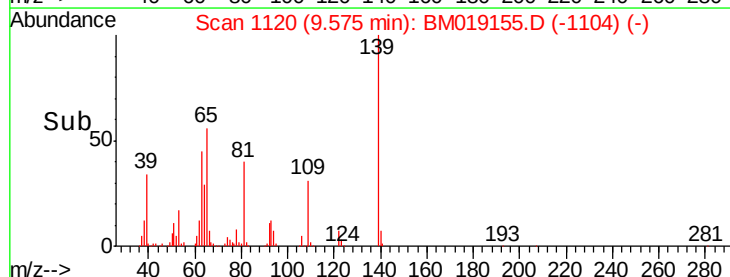
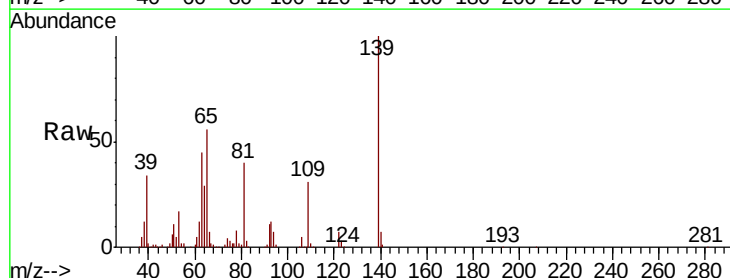
Tgt Ion: 139 Resp: 308907

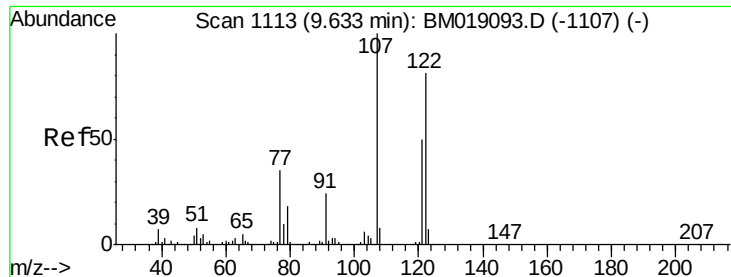
Ion Ratio Lower Upper

139 100

109 30.6 24.5 36.7

65 55.8 44.4 66.6





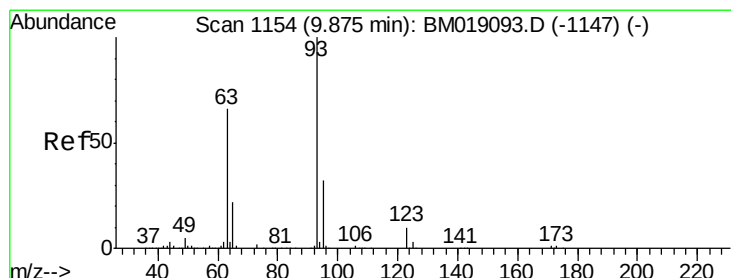
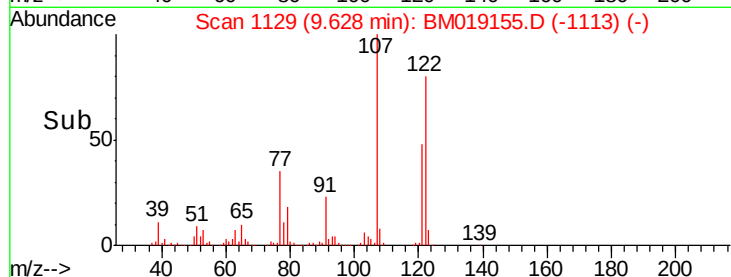
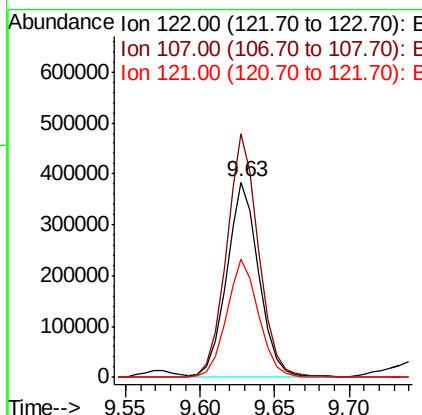
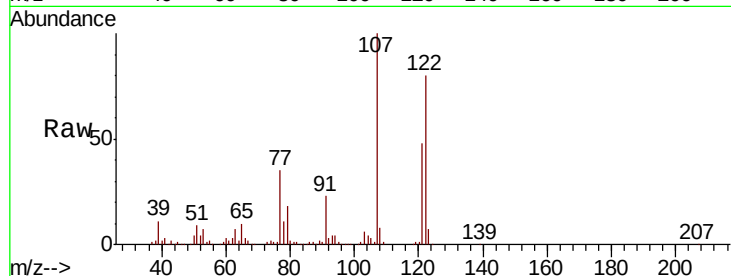
#27
2,4-Dimethylphenol
Concen: 46.856 ng
RT: 9.63 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Instrument :
BNA_M
ClientSampleId :
BF-10-031119MS

Tot Ion	Ratio	Lower	Upper
122	100		
107	124.8	98.2	147.4
121	60.3	48.8	73.2

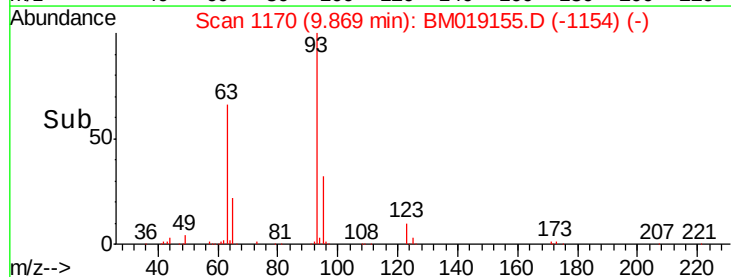
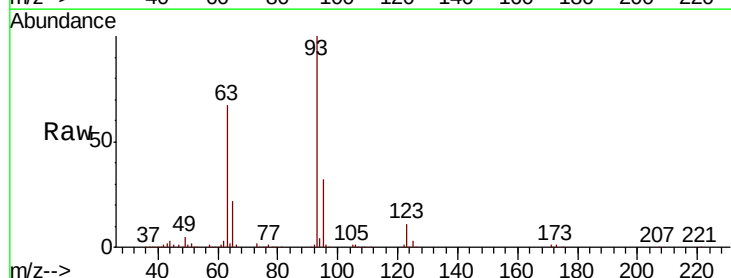
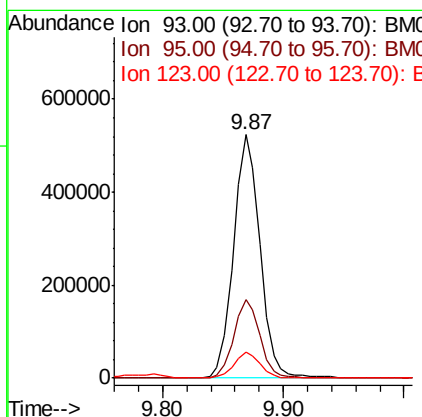
Manual Integrations
APPROVED

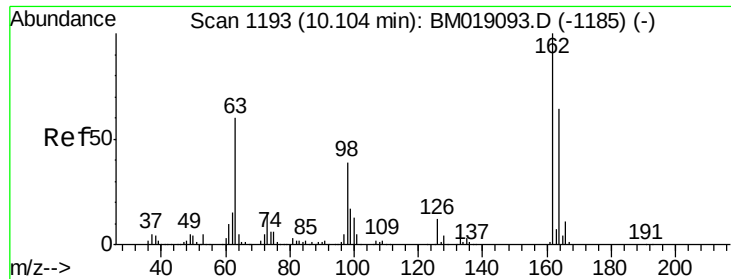
Sohil
3/14/2019 3:38:04 PM



#28
bis(2-Chloroethoxy)methane
Concen: 37.171 ng
RT: 9.87 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.8	38.8
123	10.6	7.9	11.9





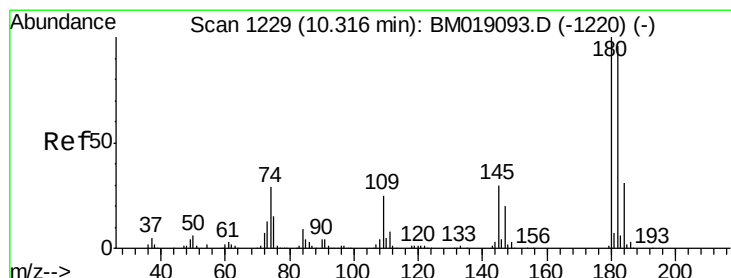
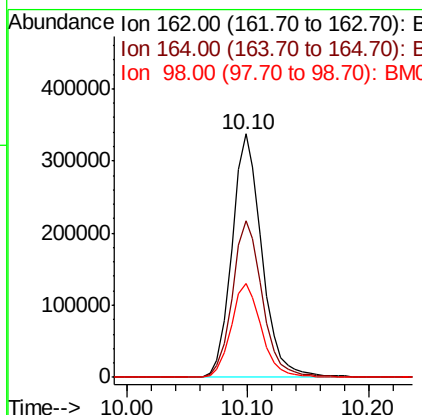
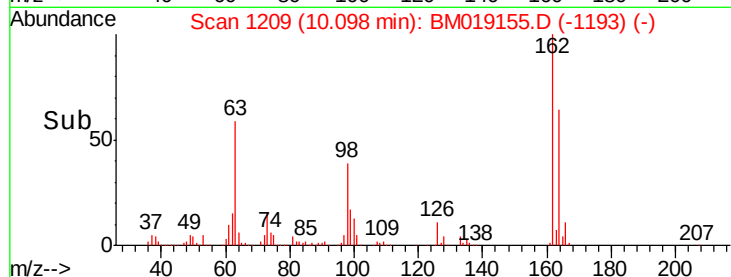
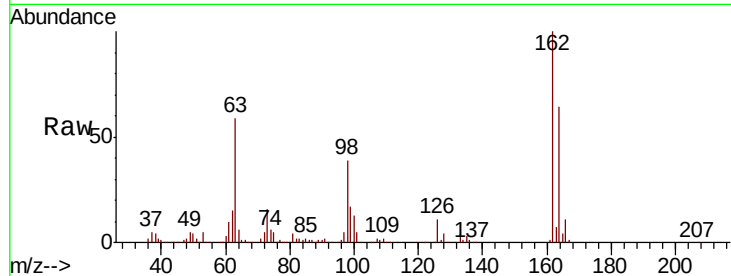
#29
2,4-Dichlorophenol
Concen: 43.088 ng
RT: 10.10 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Instrument :
BNA_M
ClientSampleId :
BF-10-031119MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	582707		
164	64.2	43.5	83.5	
98	38.5	19.1	59.1	

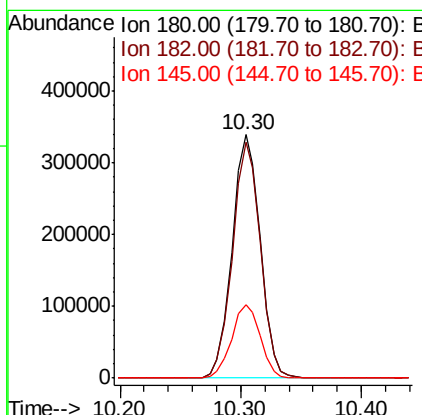
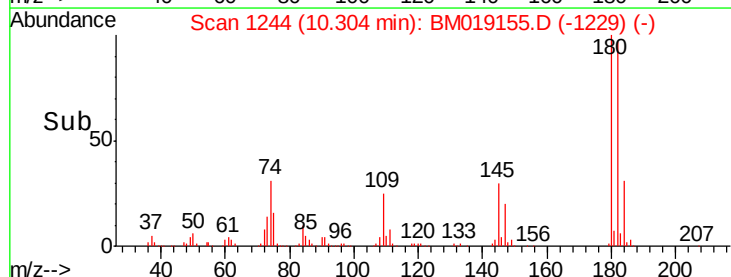
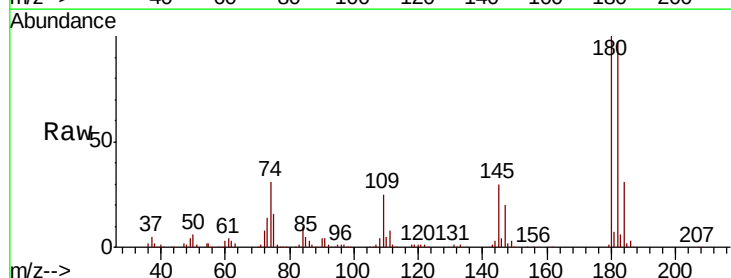
Manual Integrations
APPROVED

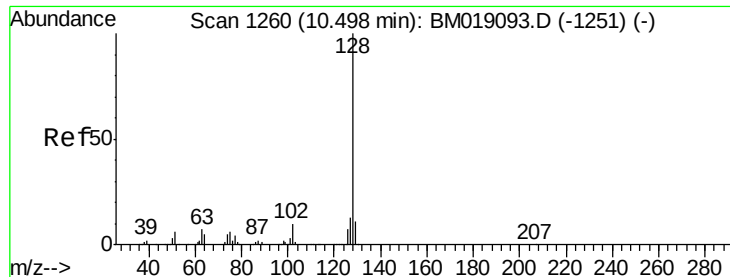
Sohil
3/14/2019 3:38:04 PM



#30
1,2,4-Trichlorobenzene
Concen: 36.084 ng
RT: 10.30 min Scan# 1244
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	550251		
182	97.0	76.6	114.8	
145	30.3	24.3	36.5	





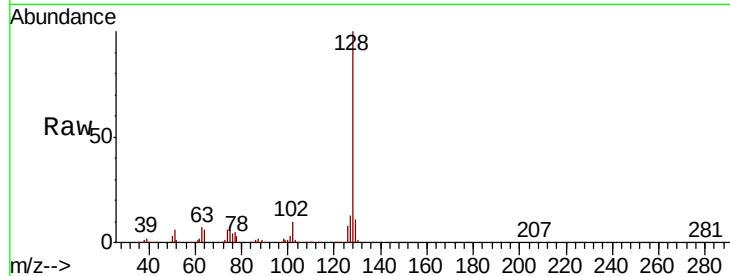
#31
Naphthalene
Concen: 36.238 ng
RT: 10.49 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Instrument :
BNA_M
ClientSampleId :
BF-10-031119MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.0	10.4	15.6

Manual Integrations
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3/14/2019 3:38:04 PM

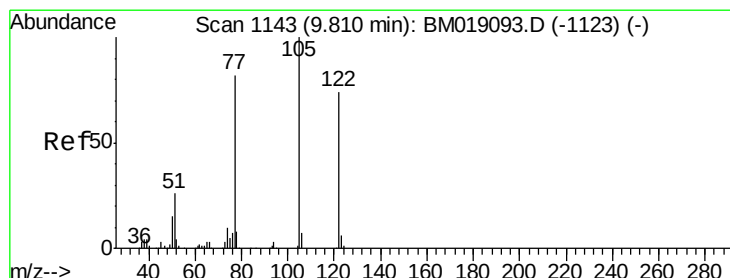
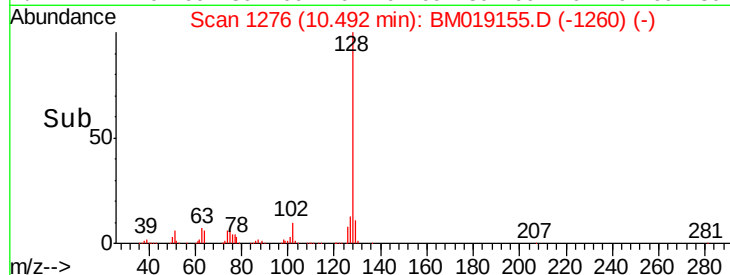
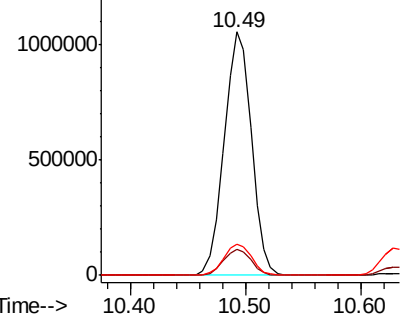


Abundance

Ion 128.00 (127.70 to 128.70): E

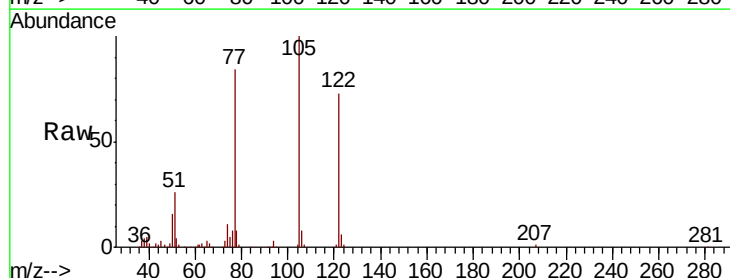
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 33.615 ng m
RT: 9.79 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Lower	Upper
122	100		
105	136.7	113.0	153.0
77	115.3	90.1	130.1

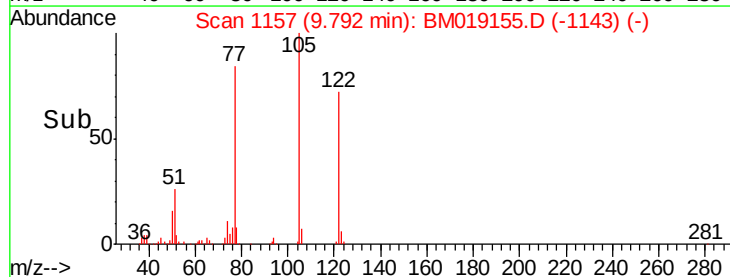
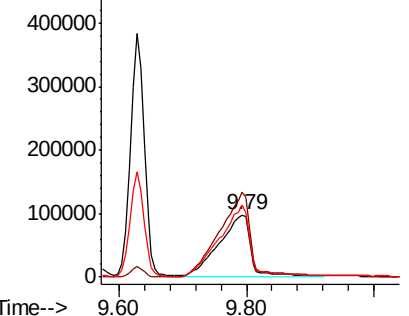


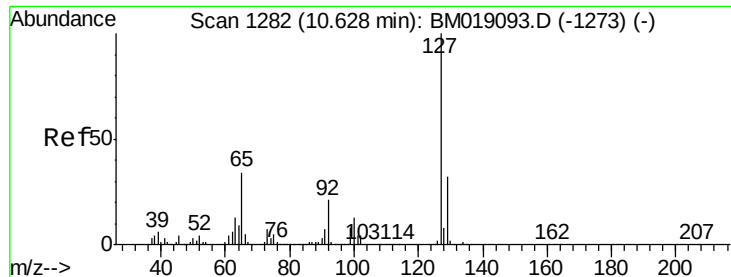
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): E





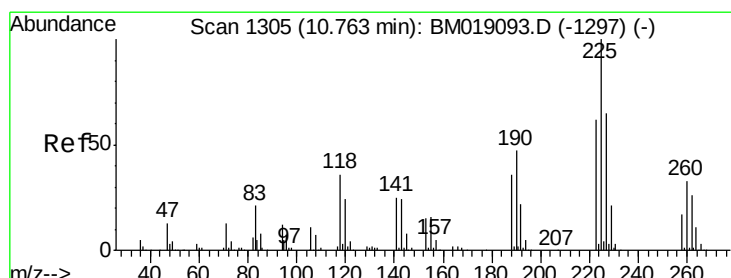
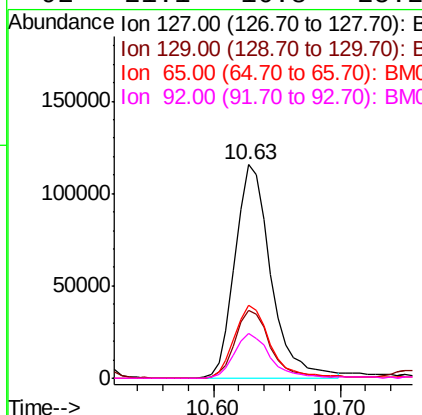
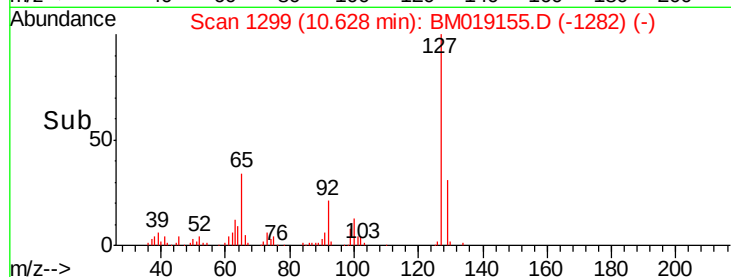
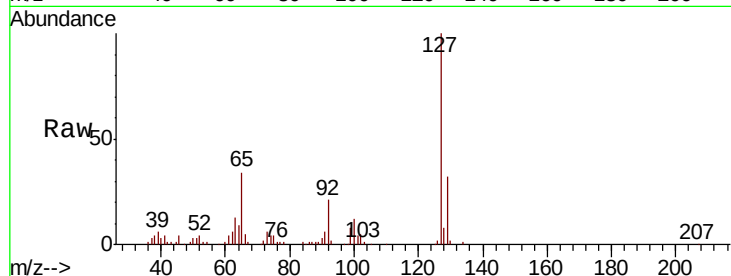
#33
4-Chloroaniline
Concen: 11.708 ng
RT: 10.63 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Instrument :
BNA_M
ClientSampleId :
BF-10-031119MS

Tot Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.3	37.9
65	34.0	27.4	41.2
92	21.1	16.8	25.2

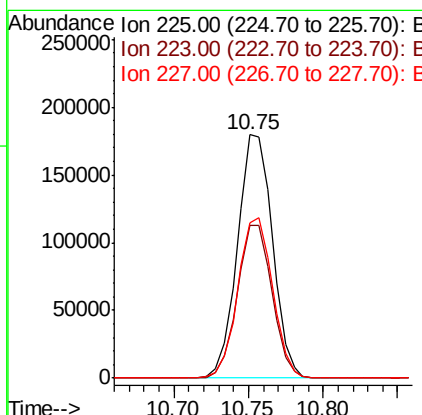
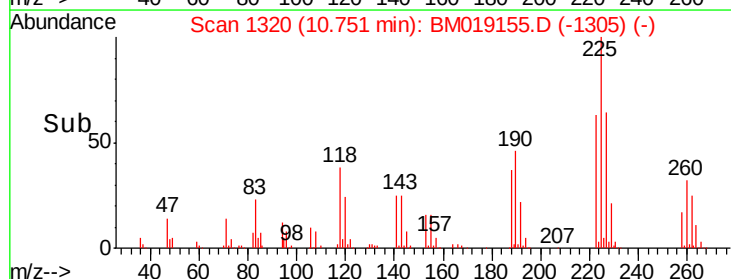
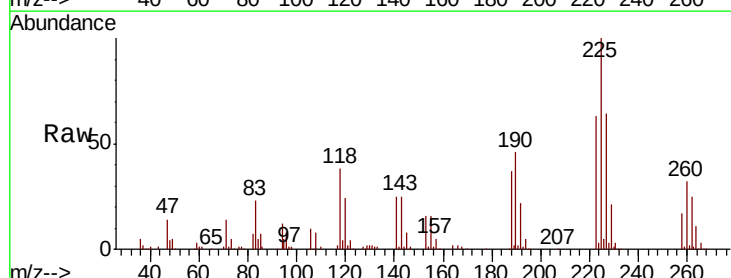
Manual Integrations
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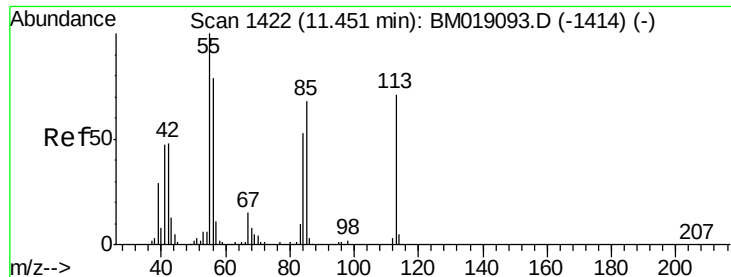
Sohil
3/14/2019 3:38:04 PM



#34
Hexachlorobutadiene
Concen: 33.482 ng
RT: 10.75 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.4	74.0
227	63.9	51.6	77.4





#35

Caprolactam

Concen: 41.470 ng/mL

RT: 11.45 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Instrument :

BNA_M

ClientSampleId :

BF-10-031119MS

Tot Ion:113 Resp: 199780

Ion Ratio Lower Upper

113 100

55 138.7 120.1 160.1

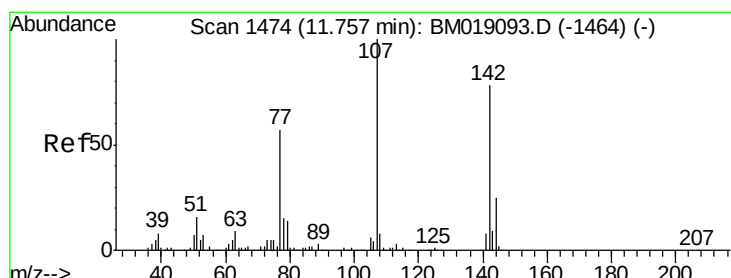
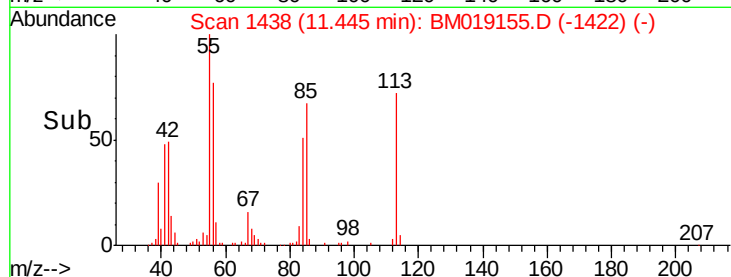
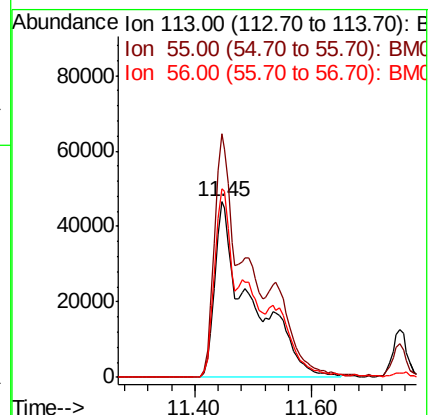
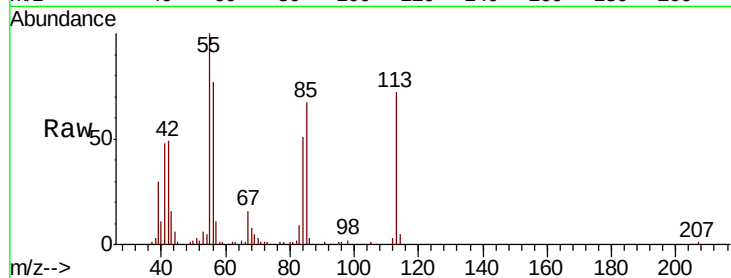
56 107.5 90.1 130.1

Manual Integrations

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#36

4-Chloro-3-methylphenol

Concen: 41.858 ng/mL

RT: 11.75 min Scan# 1490

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

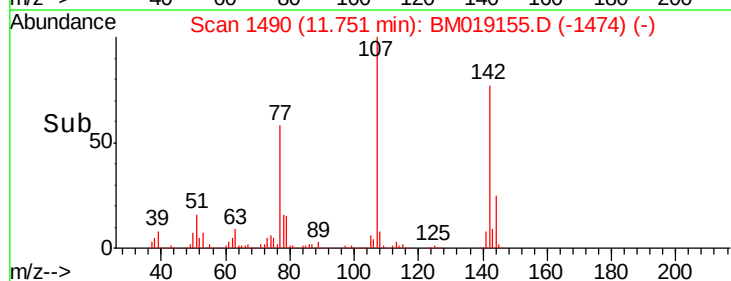
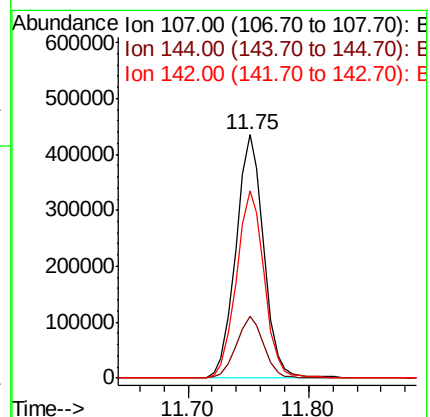
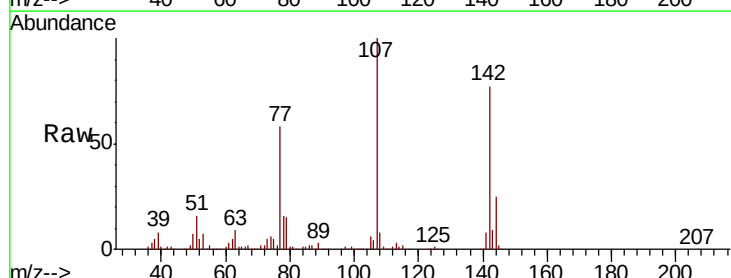
Tgt Ion:107 Resp: 698473

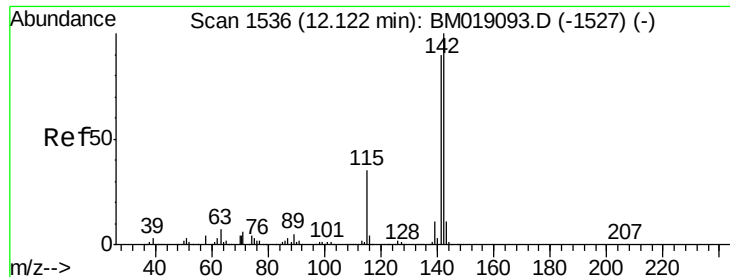
Ion Ratio Lower Upper

107 100

144 25.5 20.2 30.4

142 76.9 62.4 93.6





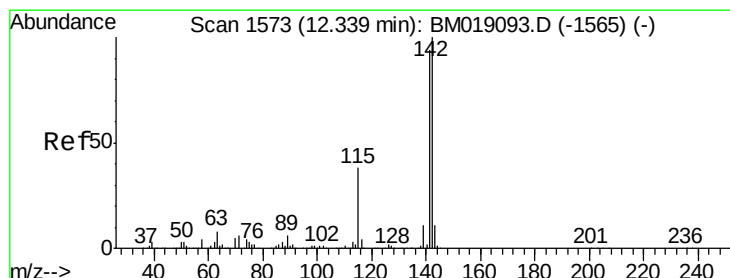
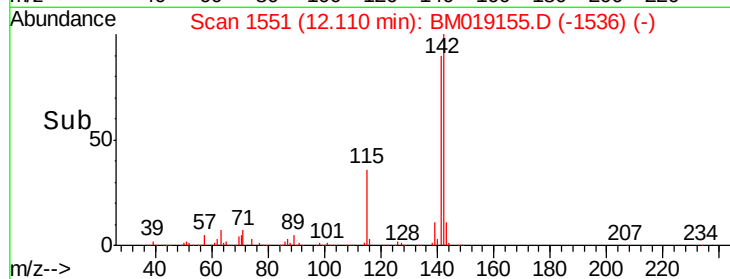
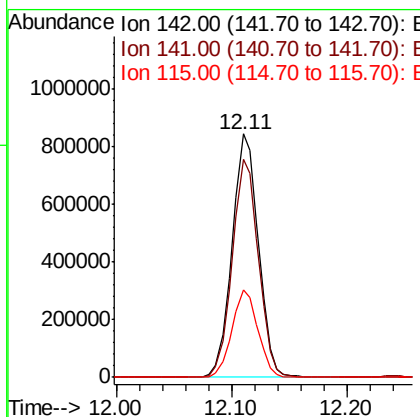
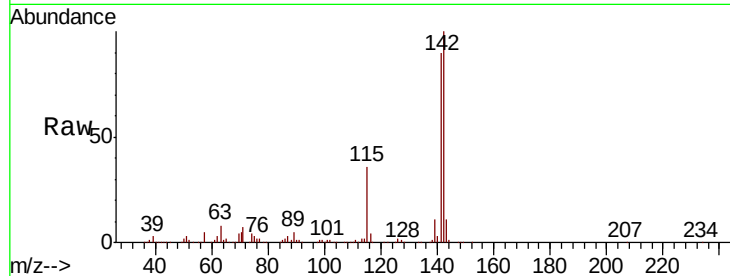
#37
 2-Methylnaphthalene
 Concen: 38.643 ng
 RT: 12.11 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BM019155.D
 Acq: 13 Mar 2019 20:42

Instrument :
 BNA_M
 ClientSampleId :
 BF-10-031119MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.3	108.5
115	35.8	27.8	41.8

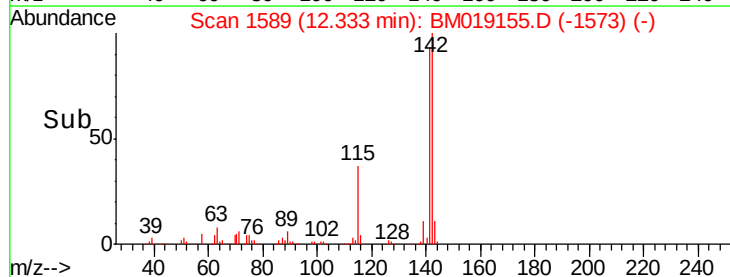
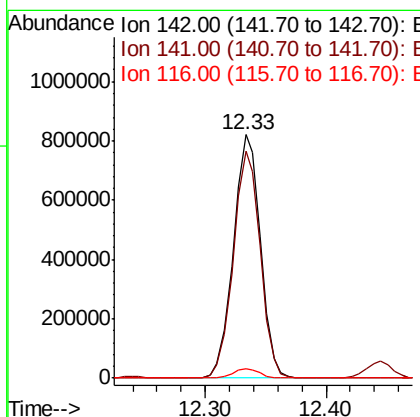
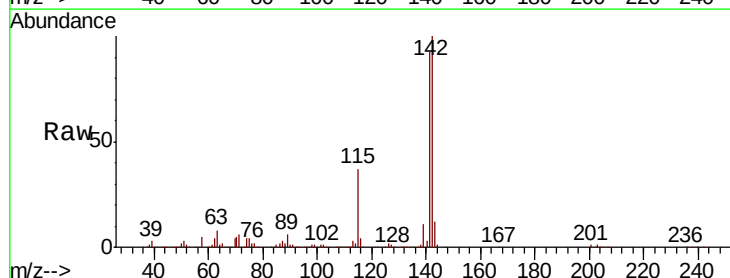
Manual Integrations
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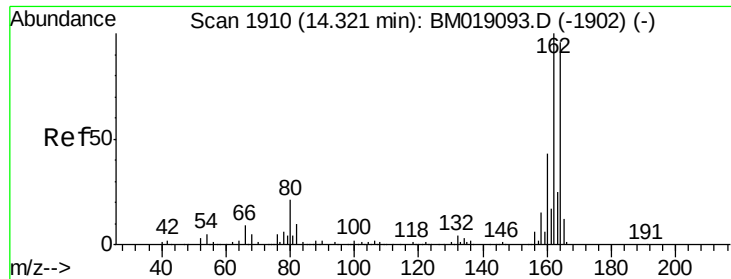
Sohil
 3/14/2019 3:38:04 PM



#38
 1-Methylnaphthalene
 Concen: 37.499 ng
 RT: 12.33 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BM019155.D
 Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.2	74.9	112.3
116	4.0	3.2	4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.31 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Instrument :

BNA_M

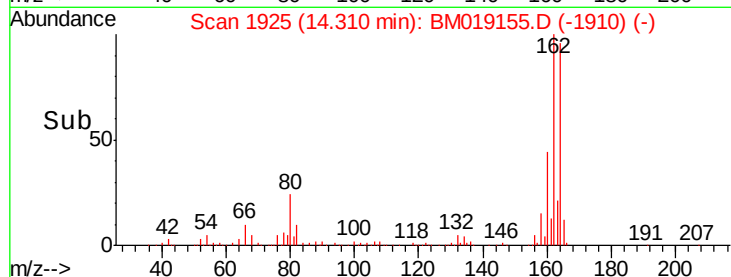
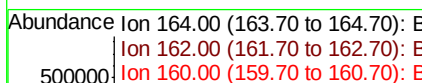
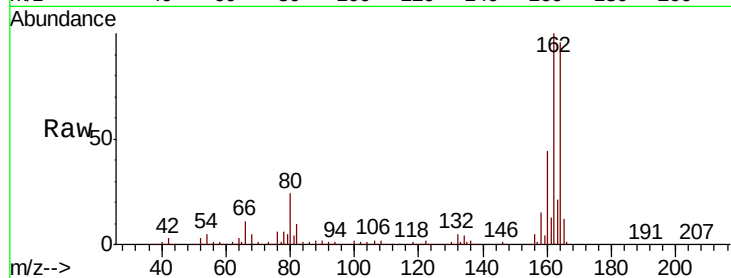
ClientSampleId :

BF-10-031119MS

Tot Ion:	164	Resp:	572624
Ion Ratio	Lower	Upper	
164	100		
162	103.7	83.5	125.3
160	45.4	36.3	54.5

Manual Integrations
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3/14/2019 3:38:04 PM



#40

1,2,4,5-Tetrachlorobenzene

Concen: 34.351 ng

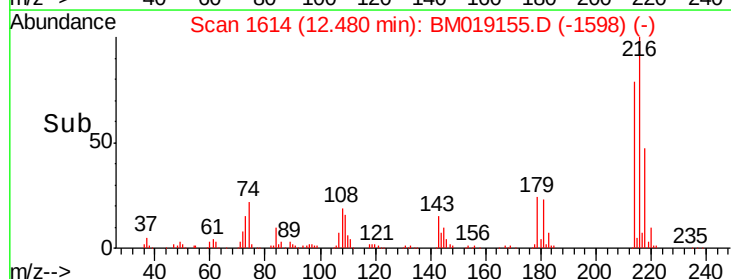
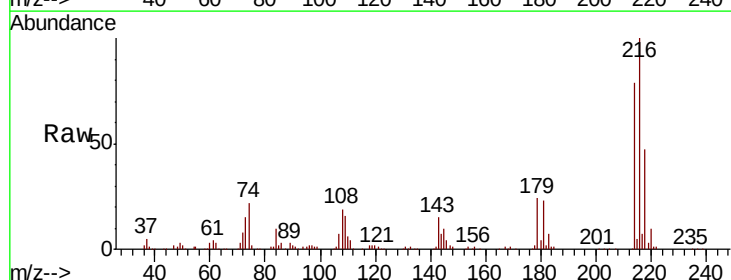
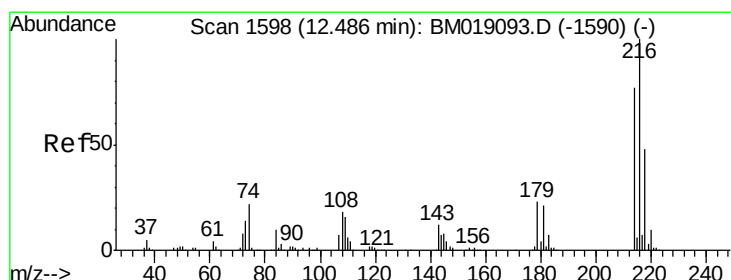
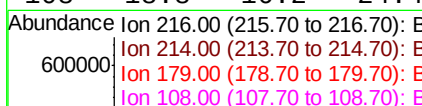
RT: 12.48 min Scan# 1614

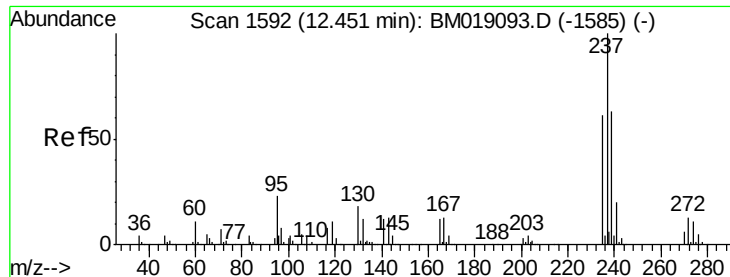
Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Tgt Ion:	216	Resp:	622222
Ion Ratio	Lower	Upper	
216	100		
214	78.6	62.9	94.3
179	23.0	18.0	27.0
108	18.8	16.2	24.4





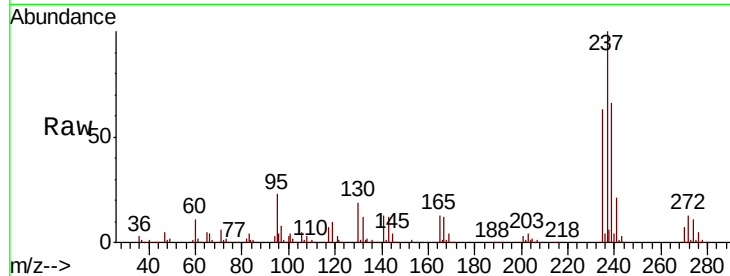
#41
Hexachlorocyclopentadiene
Concen: 78.629 ng
RT: 12.45 min Scan# 1608
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Instrument :
BNA_M
ClientSampleId :
BF-10-031119MS

Tot Ion	Ratio	Lower	Upper
237	100		
235	62.9	41.3	81.3
272	13.5	0.0	33.1

Manual Integrations
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3/14/2019 3:38:04 PM

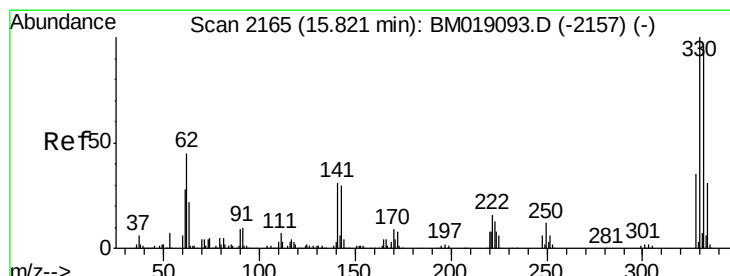
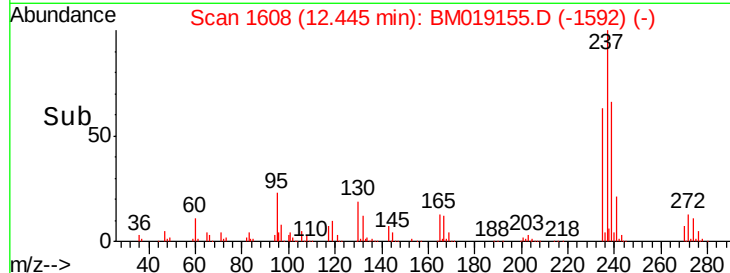
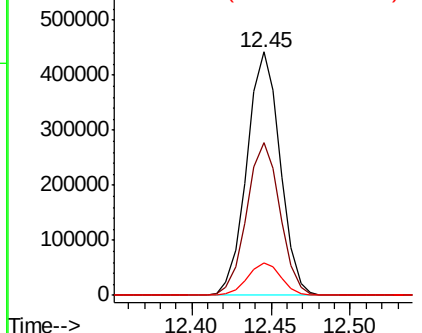


Abundance

Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42
2,4,6-Tribromophenol
Concen: 128.105 ng
RT: 15.82 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

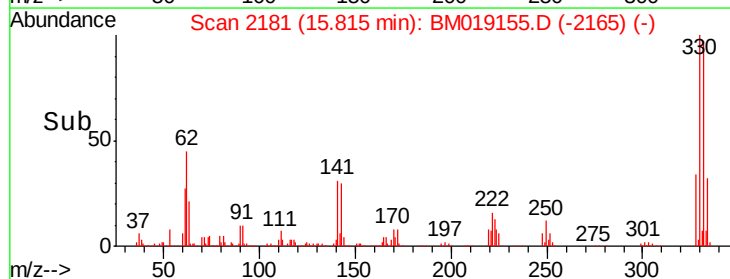
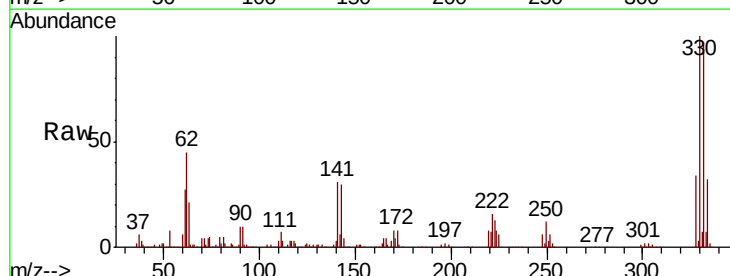
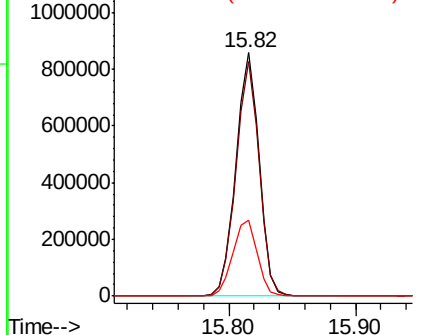
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.8	115.2
141	33.1	27.0	40.4

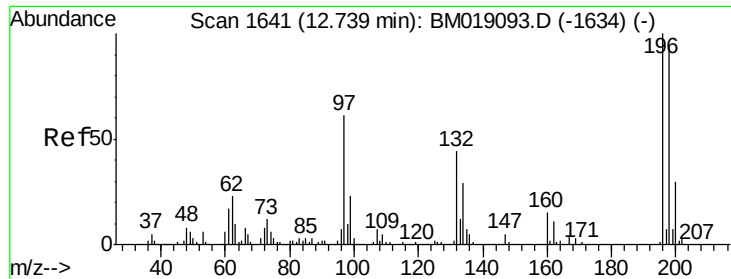
Abundance

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





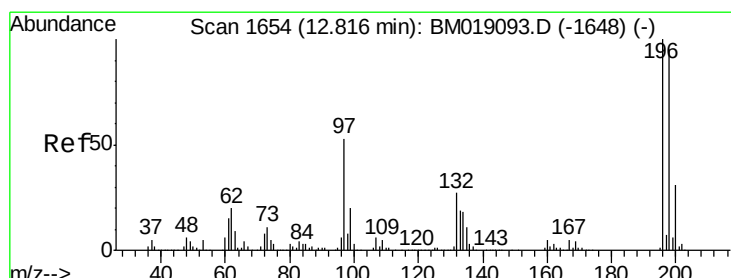
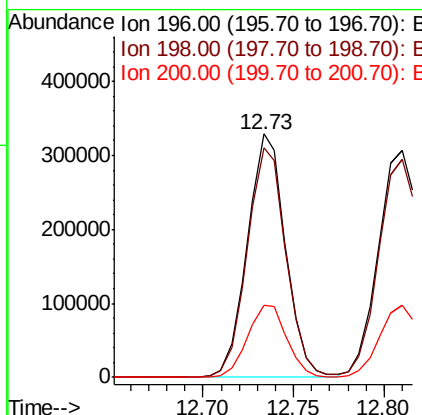
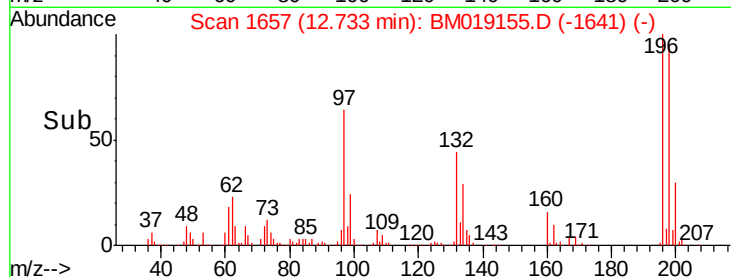
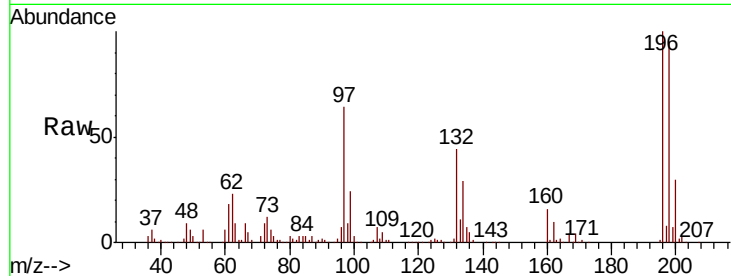
#43
 2,4,6-Trichlorophenol
 Concen: 41.221 ng
 RT: 12.73 min Scan# 1657
 Delta R.T. -0.01 min
 Lab File: BM019155.D
 Acq: 13 Mar 2019 20:42

Instrument :
 BNA_M
 ClientSampleId :
 BF-10-031119MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	482519		
198	94.5	75.4	113.0	
200	29.5	24.2	36.2	

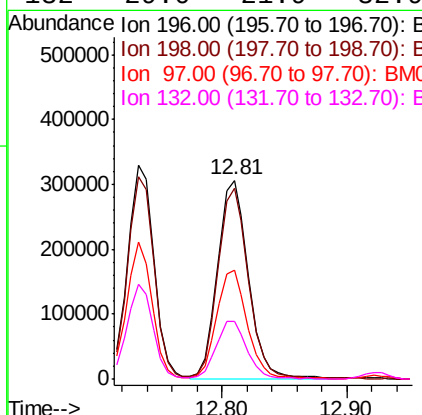
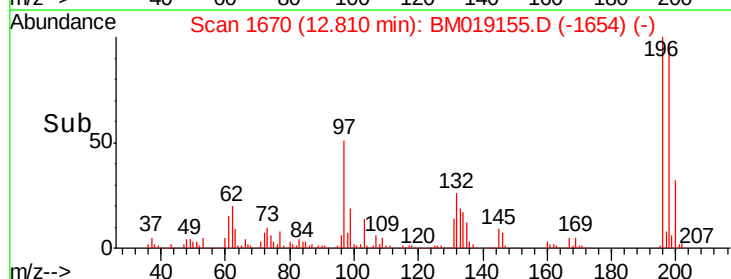
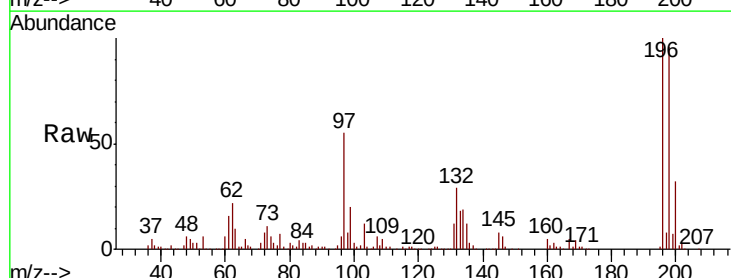
Manual Integrations
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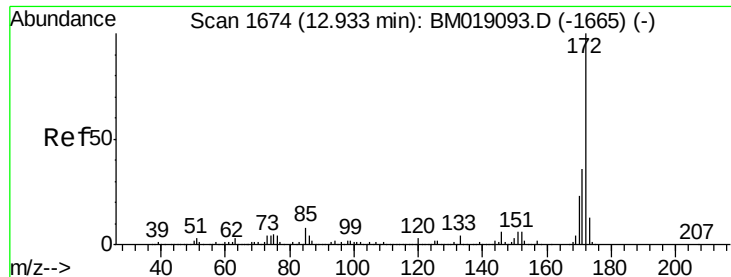
Sohil
 3/14/2019 3:38:04 PM



#44
 2,4,5-Trichlorophenol
 Concen: 42.043 ng m
 RT: 12.81 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BM019155.D
 Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	526270		
198	96.1	75.9	113.9	
97	54.6	42.5	63.7	
132	29.0	21.9	32.9	





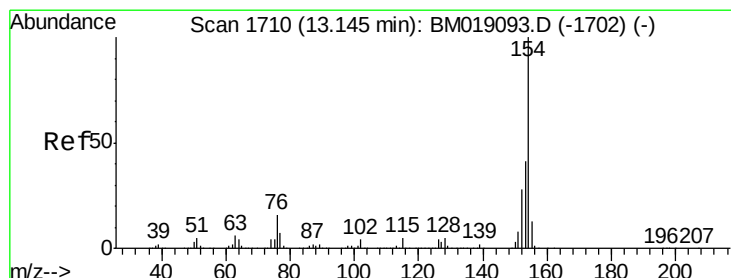
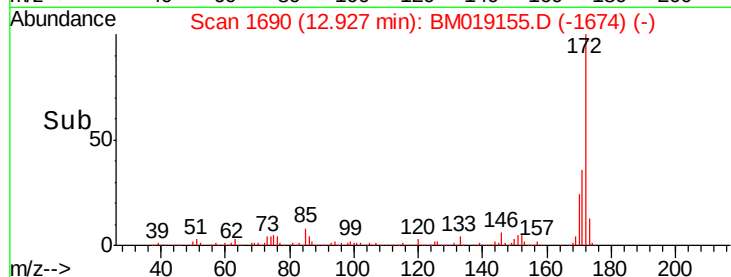
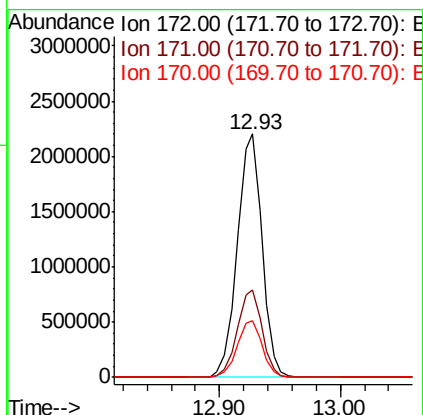
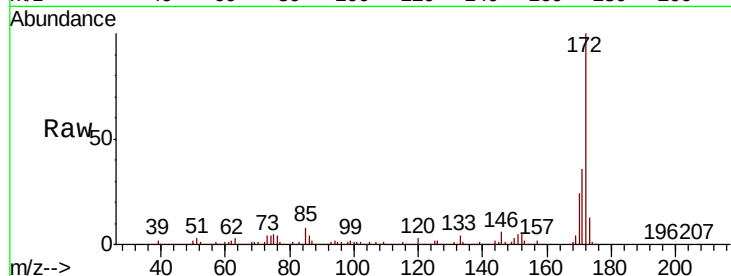
#45
2-Fluorobiphenyl
Concen: 71.379 ng
RT: 12.93 min Scan# 1690
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Instrument :
BNA_M
ClientSampleId :
BF-10-031119MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	42.8
170	23.5	18.6	28.0

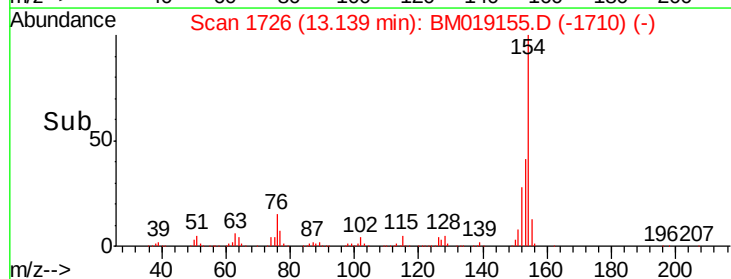
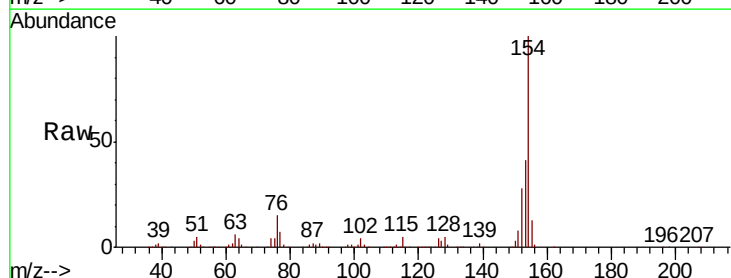
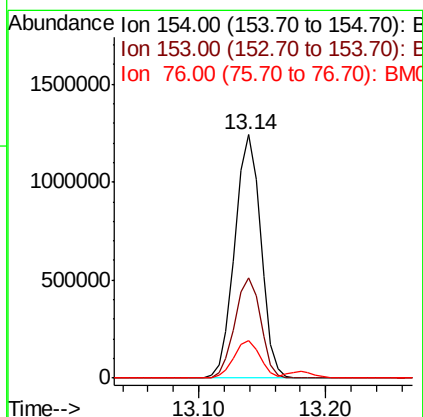
Manual Integrations
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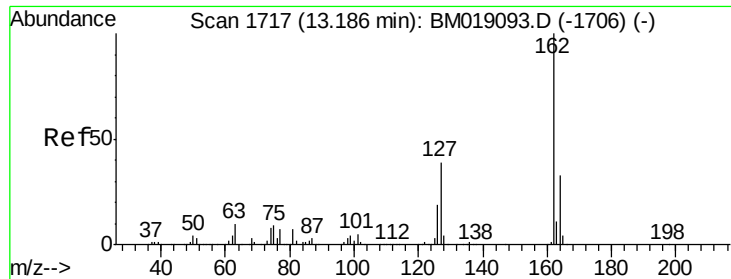
Sohil
3/14/2019 3:38:04 PM



#46
1,1'-Biphenyl
Concen: 35.312 ng
RT: 13.14 min Scan# 1726
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.2	21.5	61.5
76	15.5	0.0	35.8





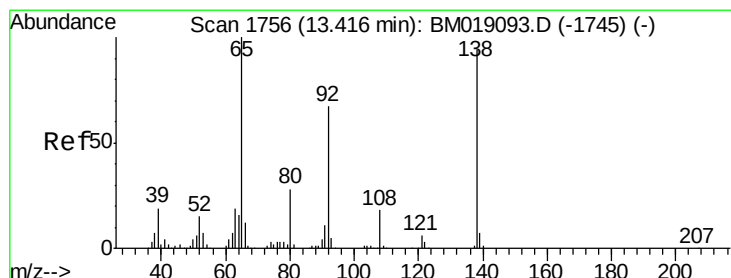
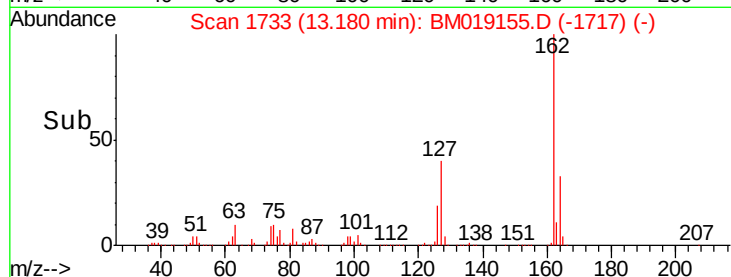
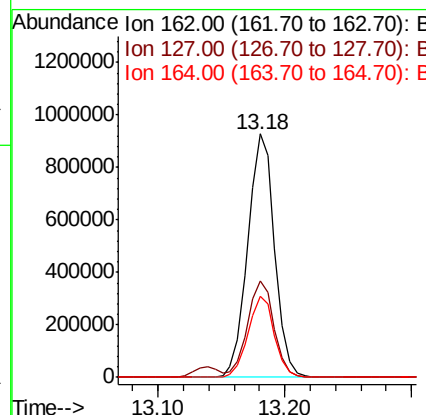
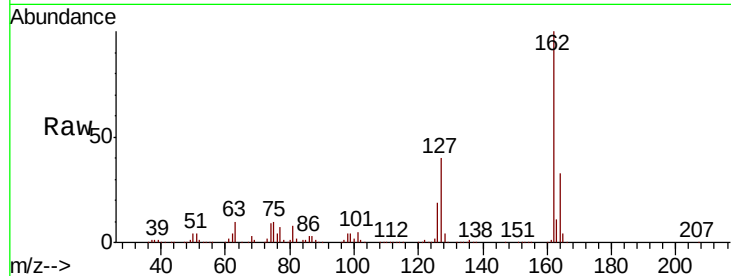
#47
 2-Chloronaphthalene
 Concen: 36.427 ng
 RT: 13.18 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BM019155.D
 Acq: 13 Mar 2019 20:42

Instrument :
 BNA_M
 ClientSampleId :
 BF-10-031119MS

Tot Ion:	162	Resp:	1359715
Ion	Ratio	Lower	Upper
162	100		
127	39.5	31.2	46.8
164	33.1	26.3	39.5

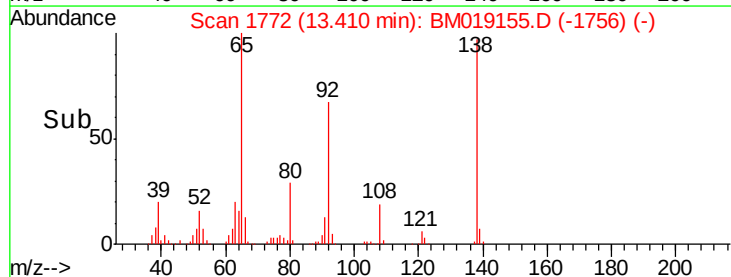
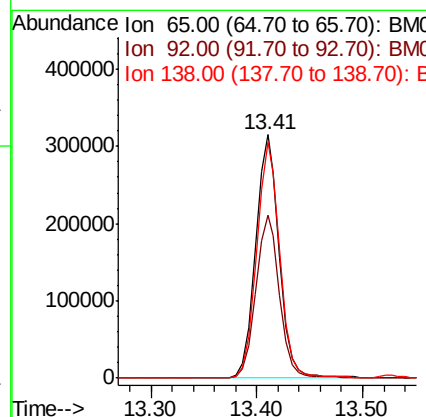
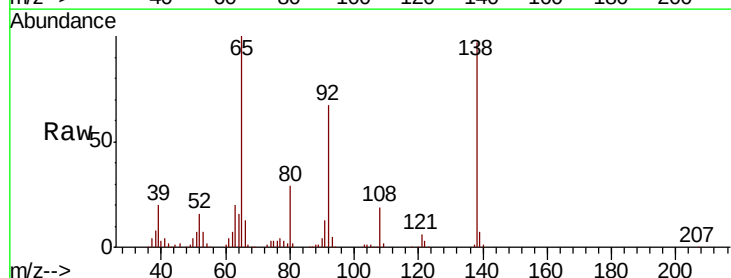
Manual Integrations
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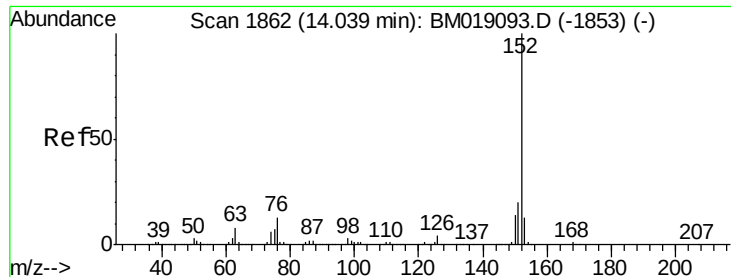
Sohil
 3/14/2019 3:38:04 PM



#48
 2-Nitroaniline
 Concen: 39.082 ng
 RT: 13.41 min Scan# 1772
 Delta R.T. -0.01 min
 Lab File: BM019155.D
 Acq: 13 Mar 2019 20:42

Tgt Ion:	65	Resp:	489249
Ion	Ratio	Lower	Upper
65	100		
92	67.2	53.4	80.2
138	96.7	74.9	112.3





#49

Acenaphthylene

Concen: 36.058 ng

RT: 14.03 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Instrument :

BNA_M

ClientSampleId :

BF-10-031119MS

Tot Ion:152 Resp: 2275793

Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.2

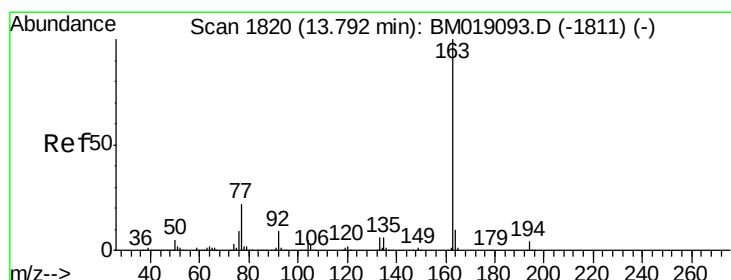
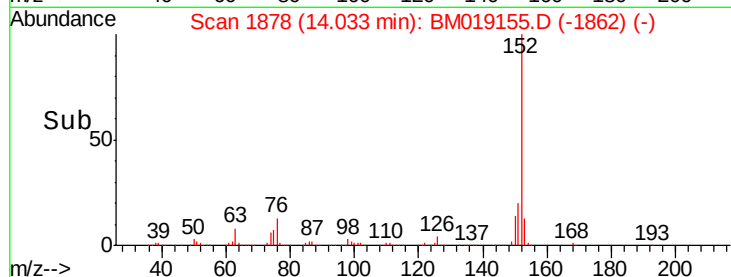
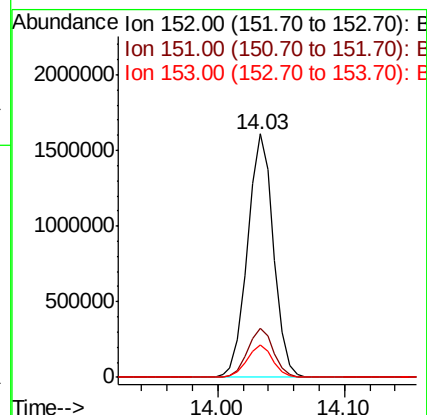
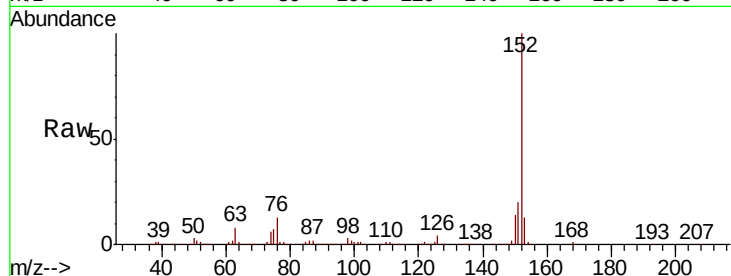
153 13.1 10.6 15.8

Manual Integrations

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#50

Dimethylphthalate

Concen: 42.761 ng

RT: 13.79 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

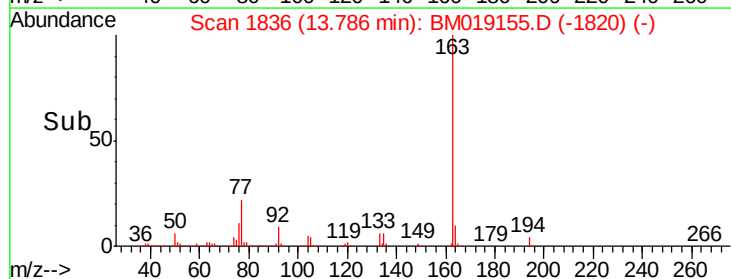
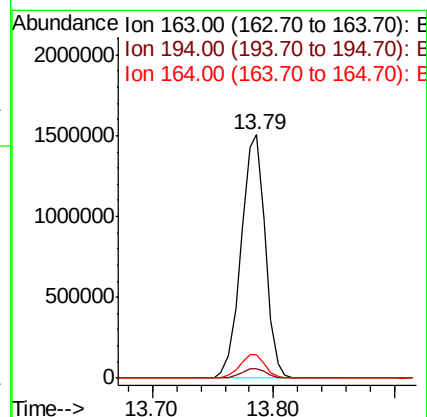
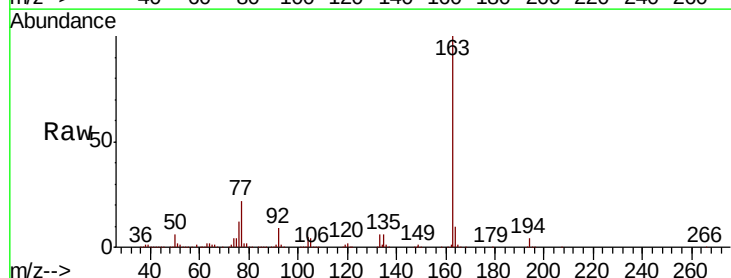
Tgt Ion:163 Resp: 2094651

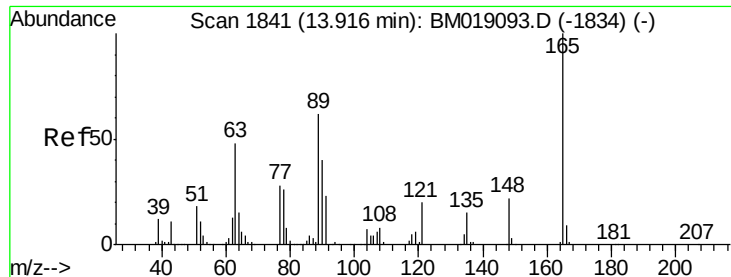
Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

164 9.8 7.7 11.5





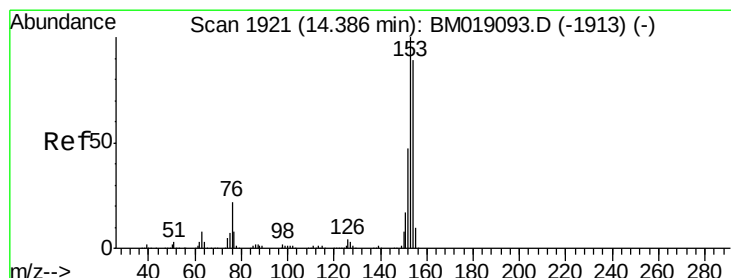
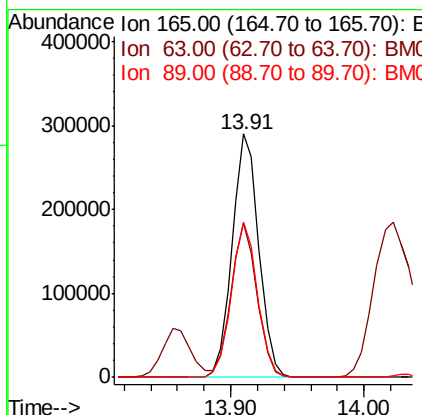
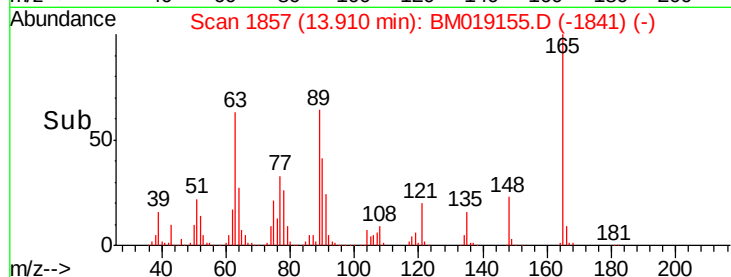
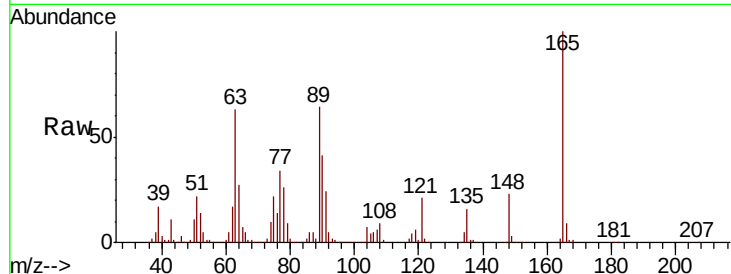
#51
 2,6-Dinitrotoluene
 Concen: 37.964 ng
 RT: 13.91 min Scan# 1857
 Delta R.T. -0.01 min
 Lab File: BM019155.D
 Acq: 13 Mar 2019 20:42

Instrument :
 BNA_M
 ClientSampleId :
 BF-10-031119MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	402012		
63	63.3	48.2	72.4	
89	64.0	49.3	73.9	

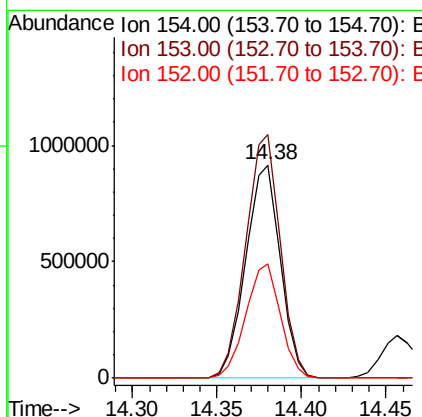
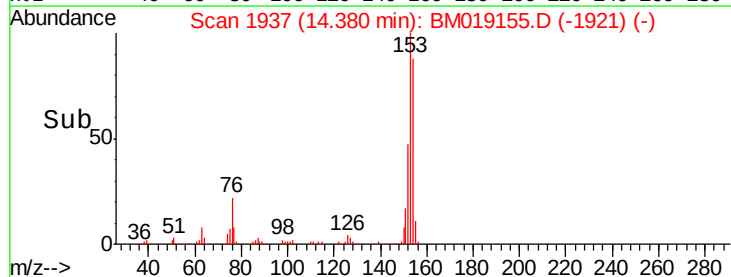
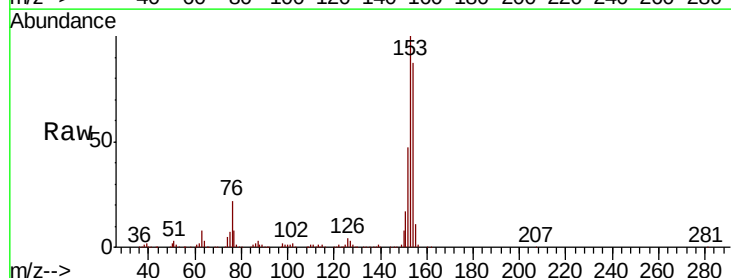
Manual Integrations
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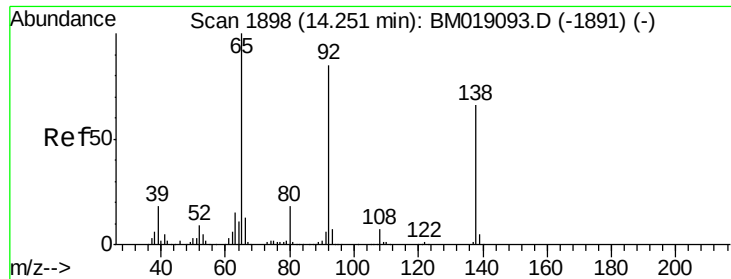
Sohil
 3/14/2019 3:38:04 PM



#52
 Acenaphthene
 Concen: 36.111 ng
 RT: 14.38 min Scan# 1937
 Delta R.T. -0.01 min
 Lab File: BM019155.D
 Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1309641		
153	114.3	90.1	135.1	
152	53.7	42.5	63.7	





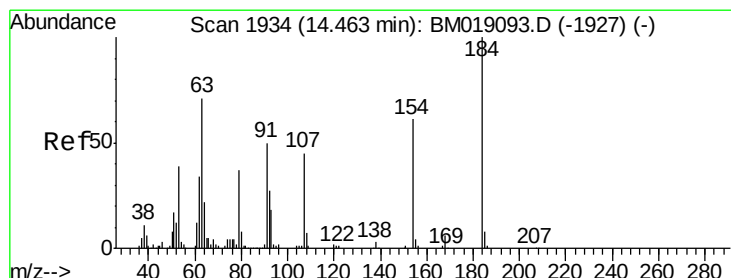
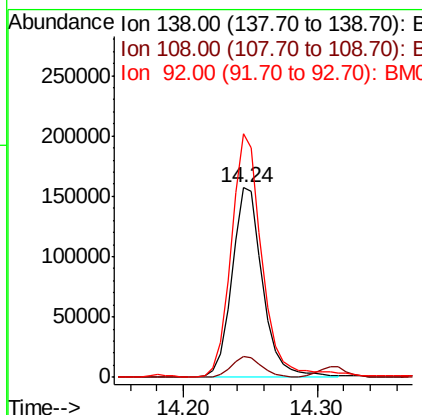
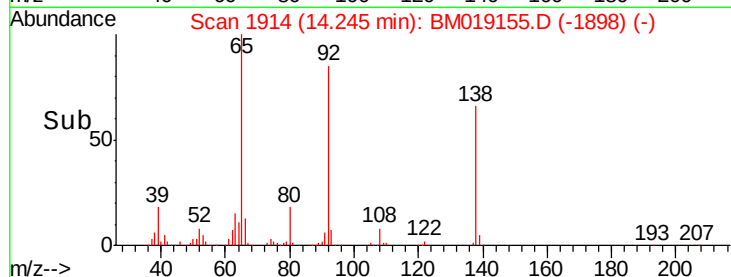
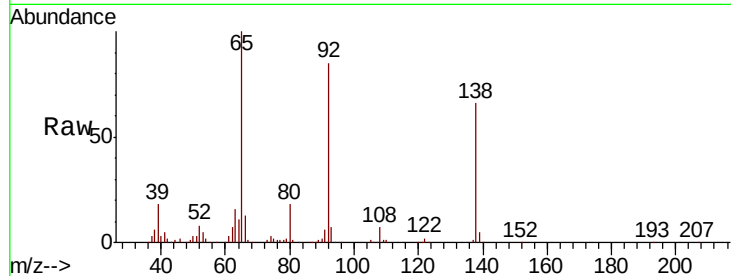
#53
3-Nitroaniline
Concen: 22.406 ng
RT: 14.24 min Scan# 1914
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Instrument :
BNA_M
ClientSampleId :
BF-10-031119MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.4	9.0	13.4
92	128.4	102.6	153.8

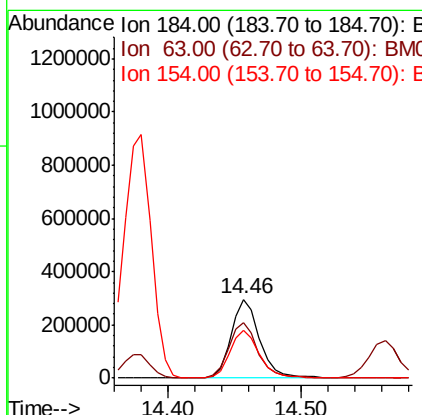
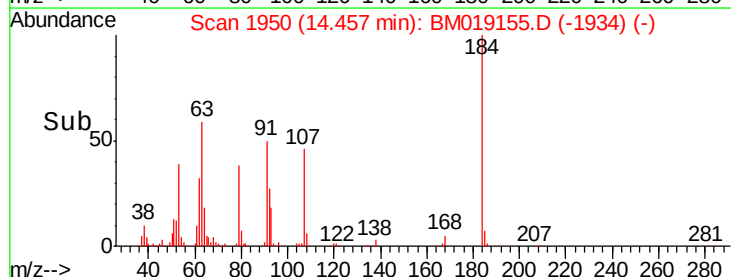
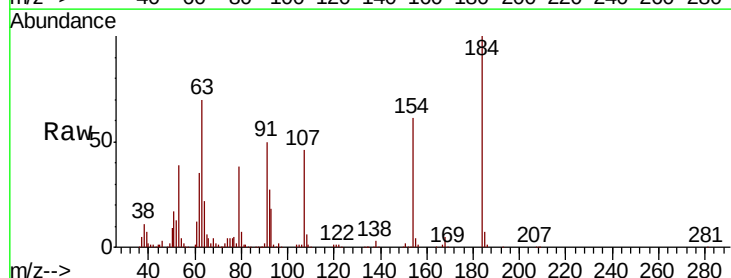
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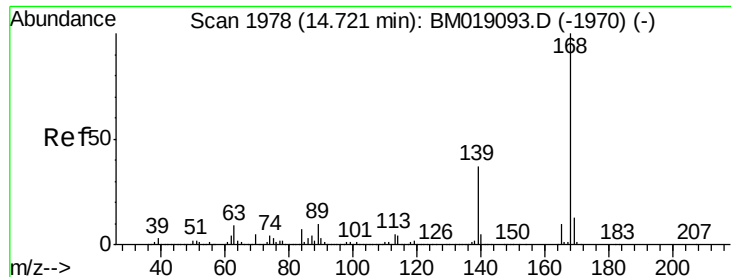
Sohil
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#54
2,4-Dinitrophenol
Concen: 72.173 ng
RT: 14.46 min Scan# 1950
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Lower	Upper
184	100		
63	69.9	56.7	85.1
154	61.4	49.3	73.9





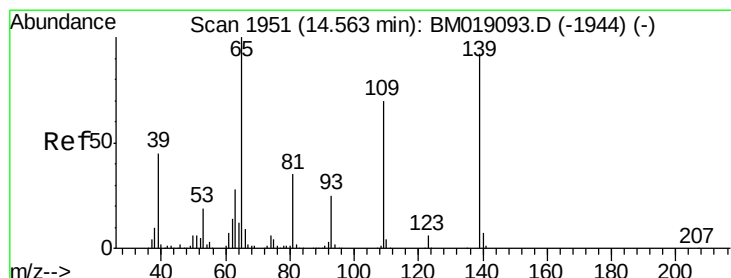
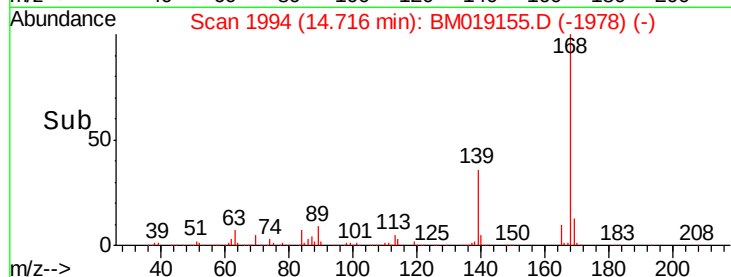
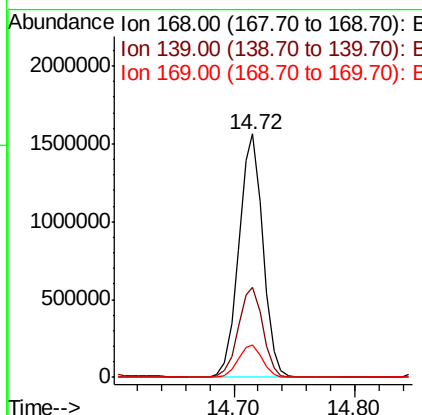
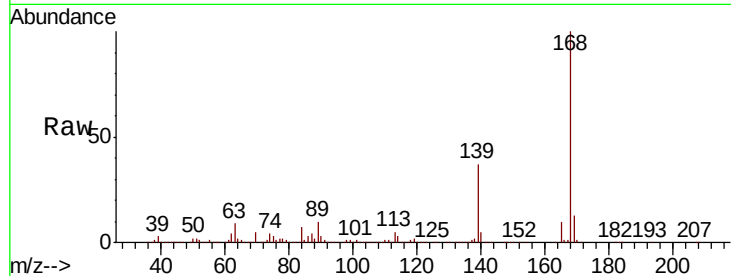
#55
Dibenzofuran
Concen: 36.965 ng
RT: 14.72 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Instrument :
BNA_M
ClientSampleId :
BF-10-031119MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.8	30.1	45.1
169	13.2	10.6	16.0

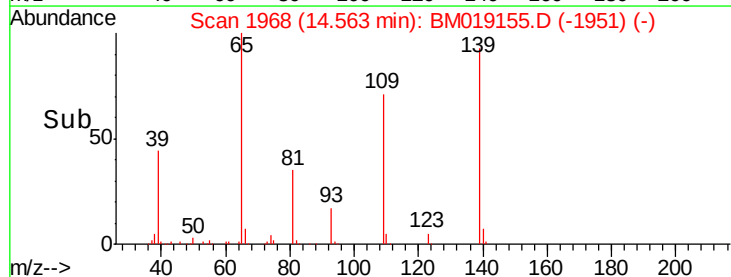
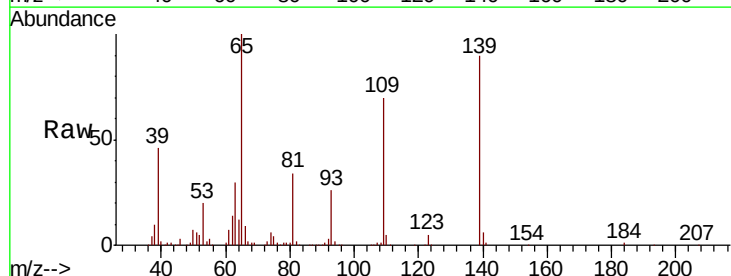
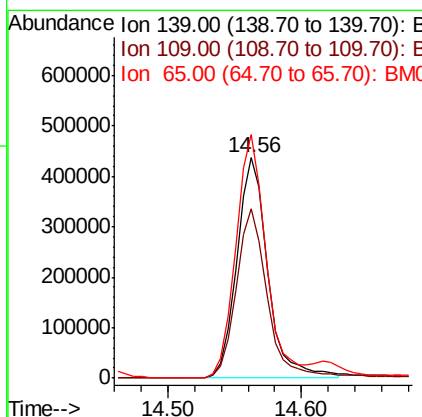
Manual Integrations
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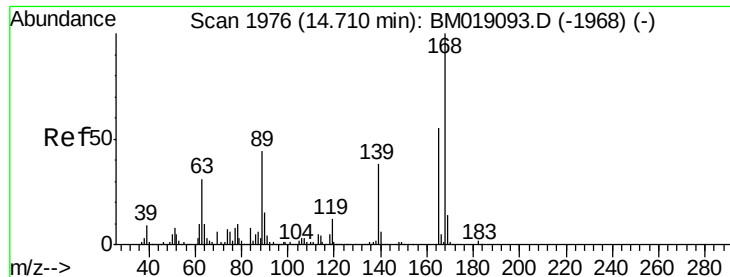
Sohil
3/14/2019 3:38:04 PM



#56
4-Nitrophenol
Concen: 76.770 ng
RT: 14.56 min Scan# 1968
Delta R.T. 0.00 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Lower	Upper
139	100		
109	77.1	56.3	96.3
65	110.6	89.2	129.2





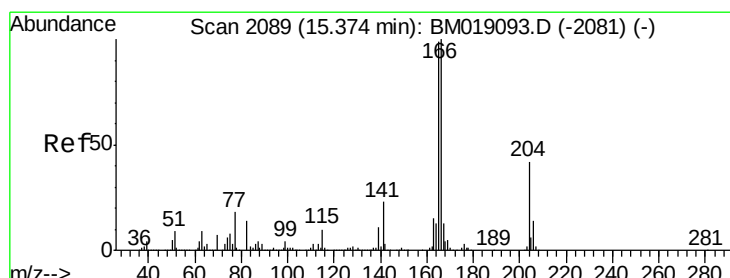
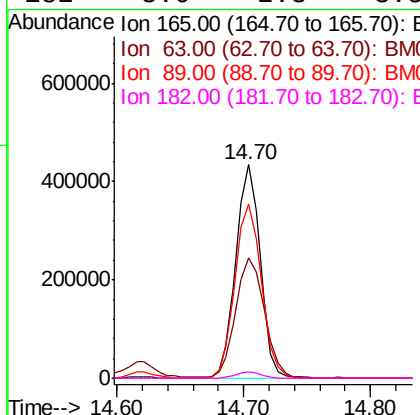
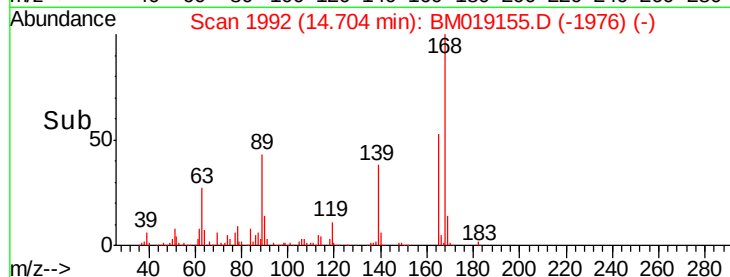
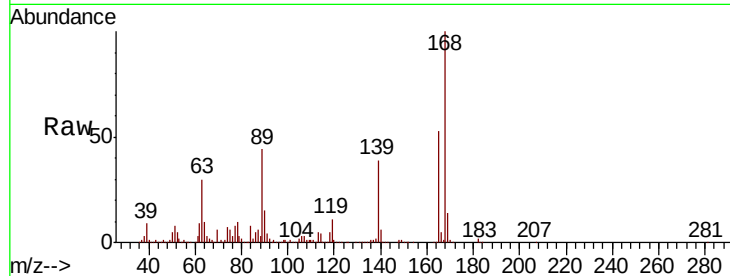
#57
 2,4-Dinitrotoluene
 Concen: 37.635 ng
 RT: 14.70 min Scan# 1992
 Delta R.T. -0.01 min
 Lab File: BM019155.D
 Acq: 13 Mar 2019 20:42

Instrument :
 BNA_M
 ClientSampleId :
 BF-10-031119MS

Tot Ion:	165	Resp:	578490
Ion Ratio	Lower	Upper	
165	100		
63	56.3	44.7	67.1
89	81.8	63.4	95.2
182	3.0	2.3	3.5

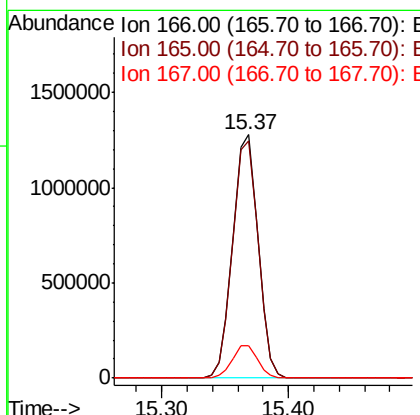
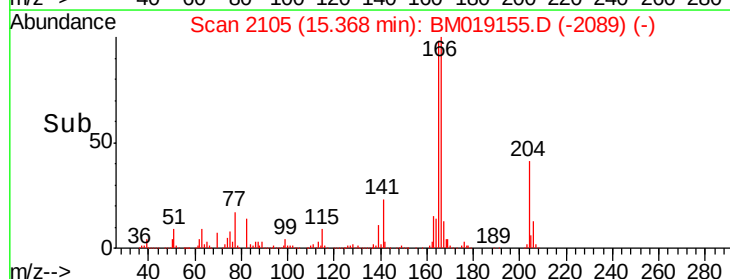
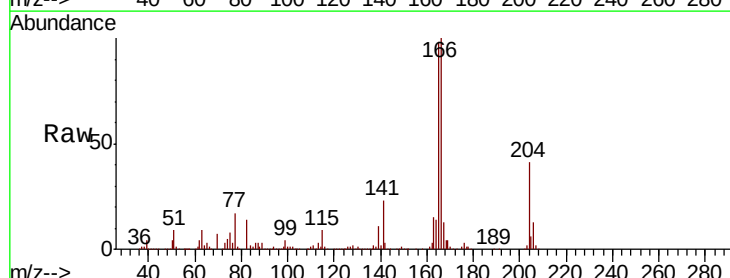
Manual Integrations
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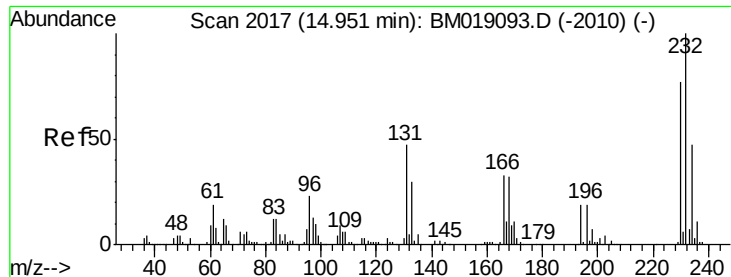
Sohil
 3/14/2019 3:38:04 PM



#58
 Fluorene
 Concen: 36.672 ng
 RT: 15.37 min Scan# 2105
 Delta R.T. -0.01 min
 Lab File: BM019155.D
 Acq: 13 Mar 2019 20:42

Tgt Ion:	166	Resp:	1767938
Ion Ratio	Lower	Upper	
166	100		
165	97.6	79.0	118.4
167	13.4	10.8	16.2





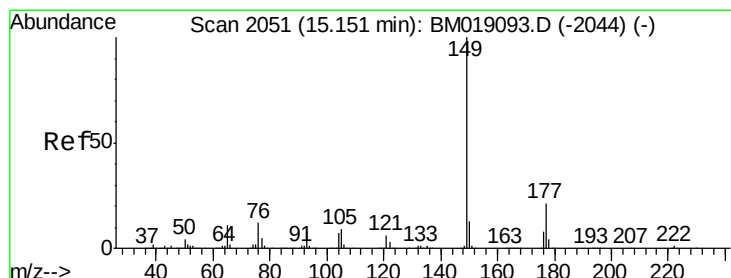
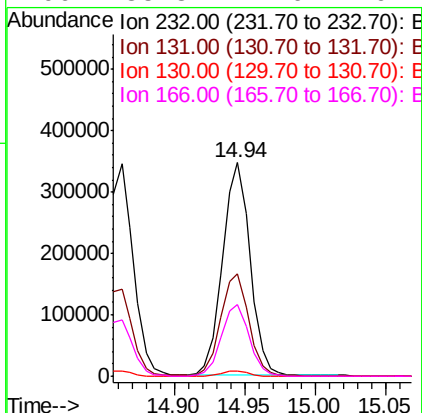
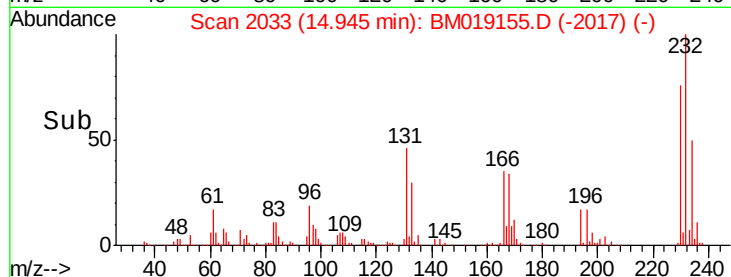
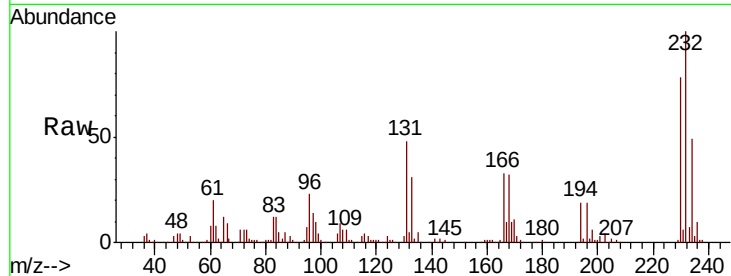
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.472 ng
RT: 14.94 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Instrument :
BNA_M
ClientSampleId :
BF-10-031119MS

Tot Ion	Ratio	Lower	Upper
232	100		
131	48.7	38.2	57.2
130	2.6	1.9	2.9
166	33.8	27.0	40.4

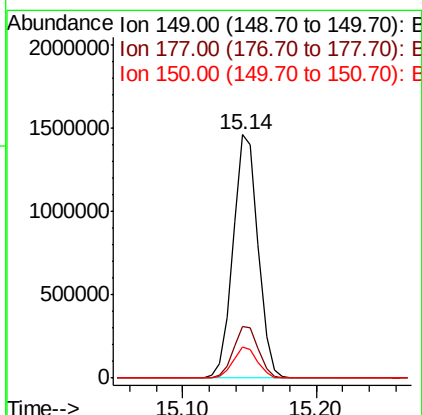
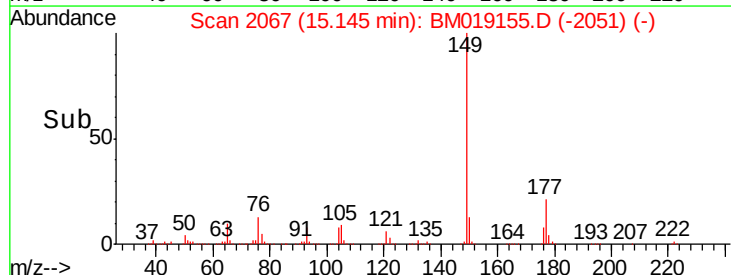
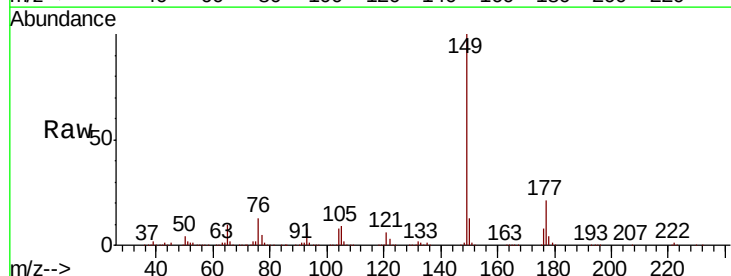
Manual Integrations
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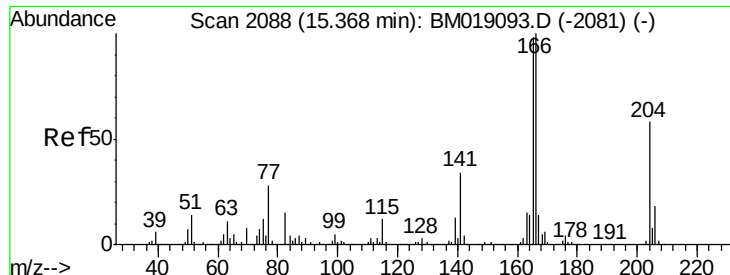
Sohil
3/14/2019 3:38:04 PM



#60
Diethylphthalate
Concen: 38.288 ng
RT: 15.14 min Scan# 2067
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.0	25.6
150	12.6	10.2	15.4





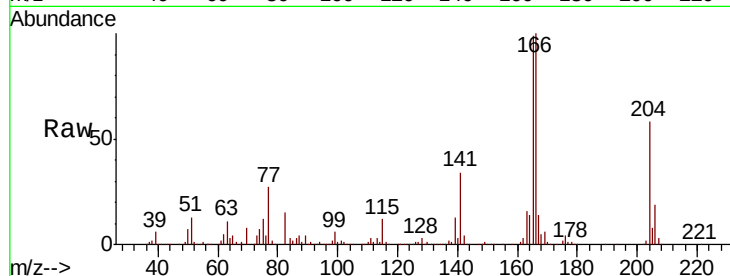
#61
 4-Chlorophenyl-phenylether
 Concen: 37.436 ng
 RT: 15.36 min Scan# 2104
 Delta R.T. -0.01 min
 Lab File: BM019155.D
 Acq: 13 Mar 2019 20:42

Instrument :
 BNA_M
 ClientSampleId :
 BF-10-031119MS

Tot Ion	Ratio	Resp	Lower	Upper
204	100	876556		
206	32.9	25.5	38.3	
141	58.2	47.8	71.8	

Manual Integrations
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Sohil
 3/14/2019 3:38:04 PM

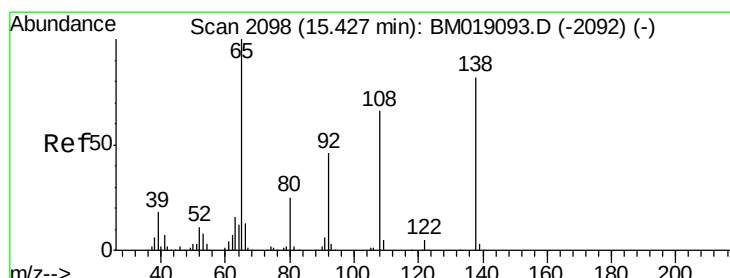
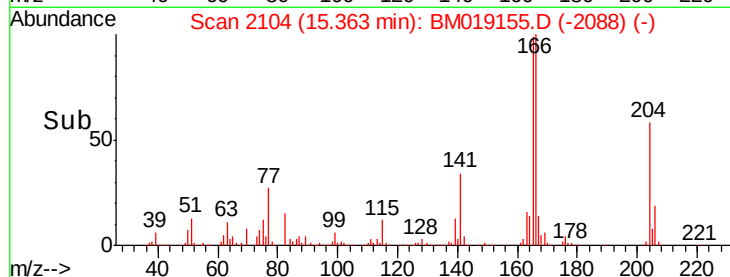
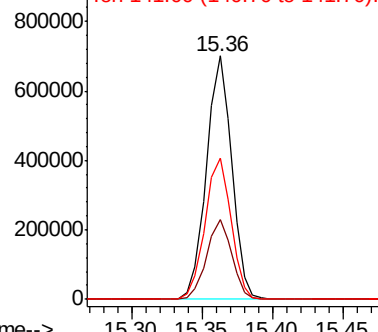


Abundance

Ion 204.00 (203.70 to 204.70): E

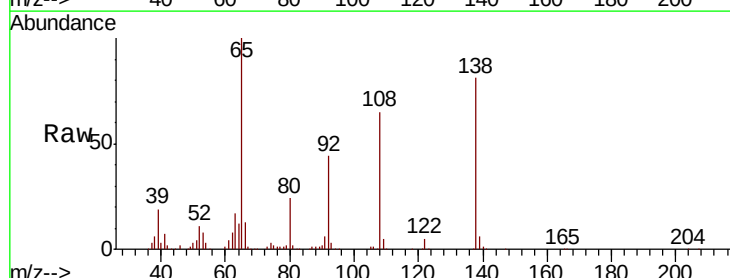
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
 4-Nitroaniline
 Concen: 35.736 ng
 RT: 15.42 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: BM019155.D
 Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	403909		
92	54.3	36.2	76.2	
108	80.4	59.7	99.7	

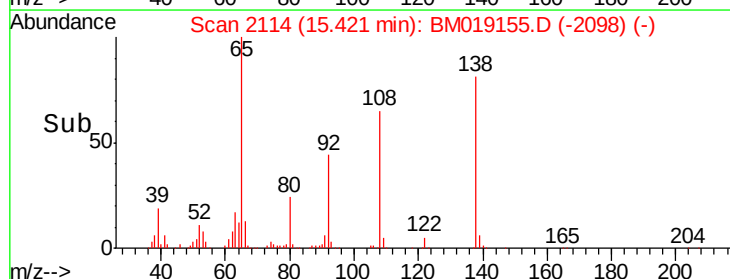
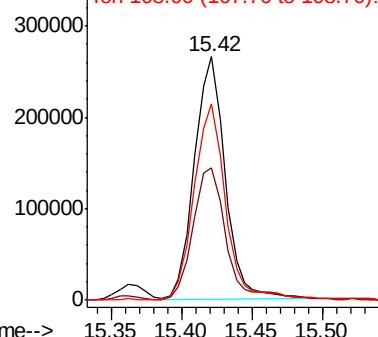


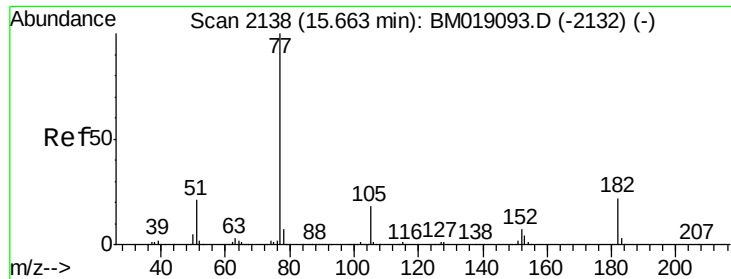
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM

Ion 108.00 (107.70 to 108.70): E





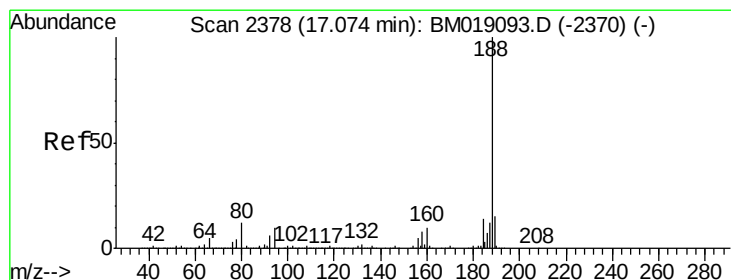
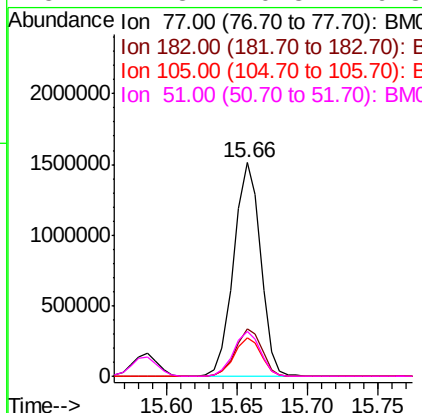
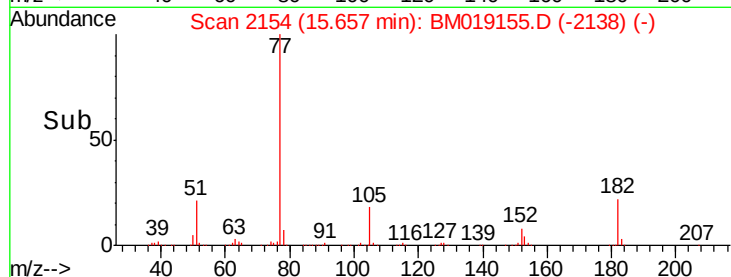
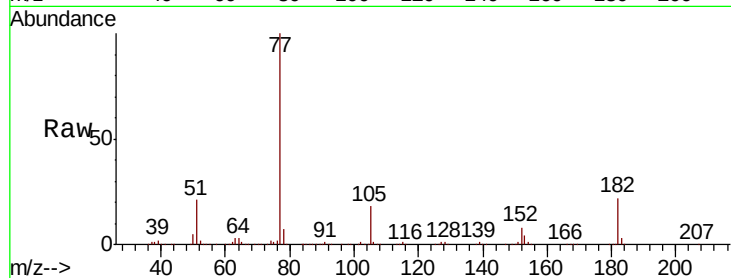
#63
Azobenzene
Concen: 38.360 ng
RT: 15.66 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Instrument :
BNA_M
ClientSampleId :
BF-10-031119MS

Tot Ion	Ratio	Lower	Upper
77	100		
182	21.9	1.8	41.8
105	17.8	0.0	38.3
51	21.3	0.8	40.8

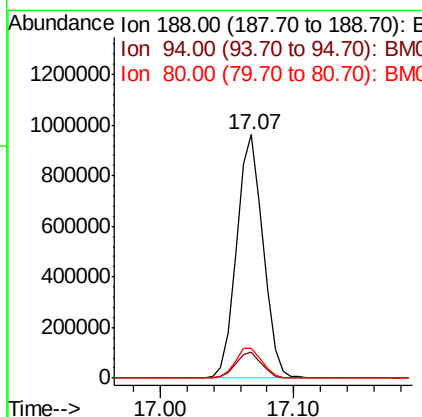
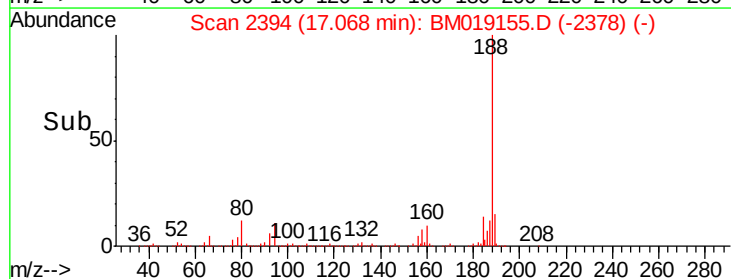
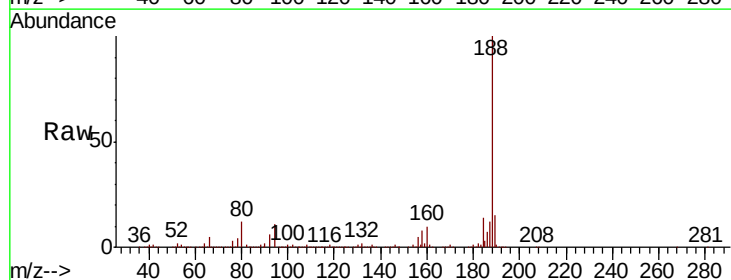
Manual Integrations
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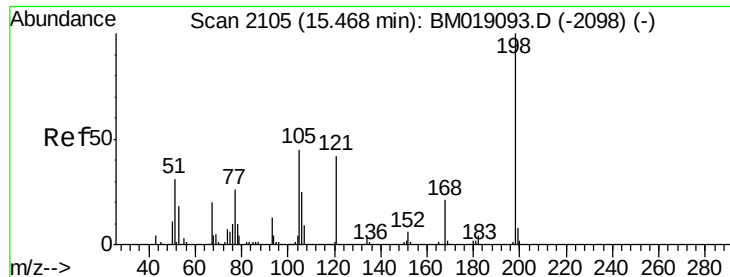
Sohil
3/14/2019 3:38:04 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.07 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.1	12.1
80	12.2	9.7	14.5





#65

4,6-Dinitro-2-methylphenol

Concen: 34.548 ng

RT: 15.46 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Instrument :

BNA_M

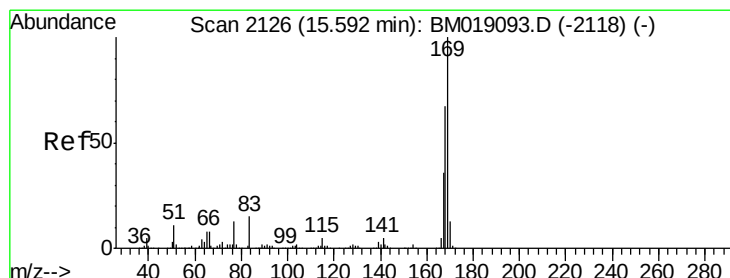
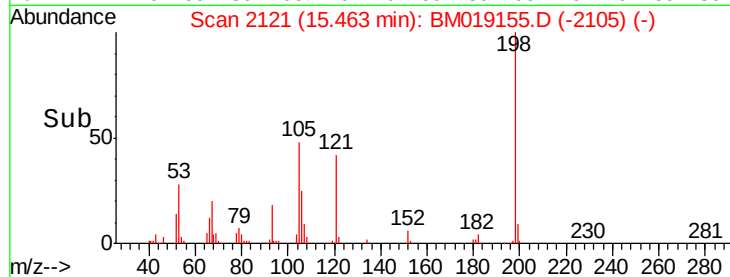
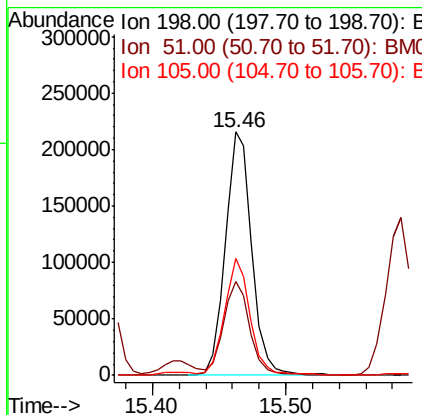
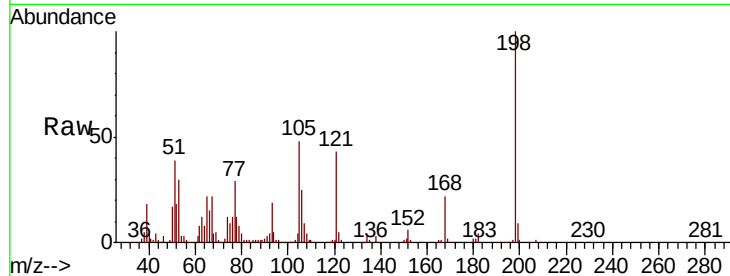
ClientSampleId :

BF-10-031119MS

Tot Ion:	198	Resp:	299459
Ion Ratio	Lower	Upper	
198	100		
51	38.5	17.3	57.3
105	48.0	26.2	66.2

Manual Integrations
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#66

n-Nitrosodiphenylamine

Concen: 37.208 ng

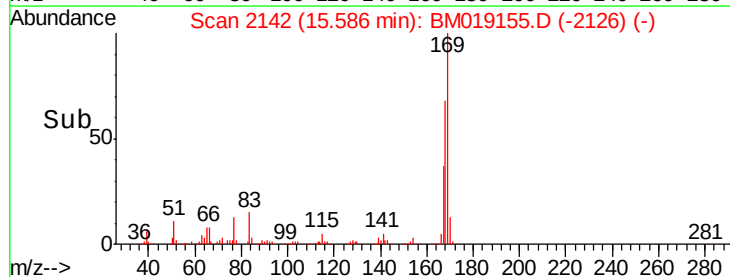
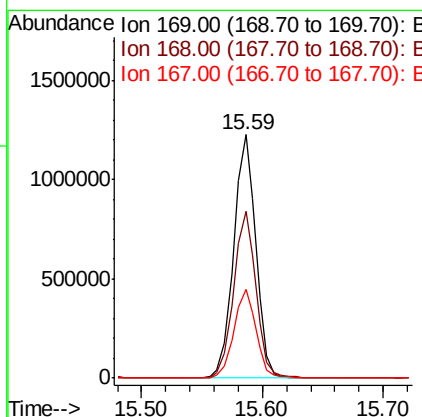
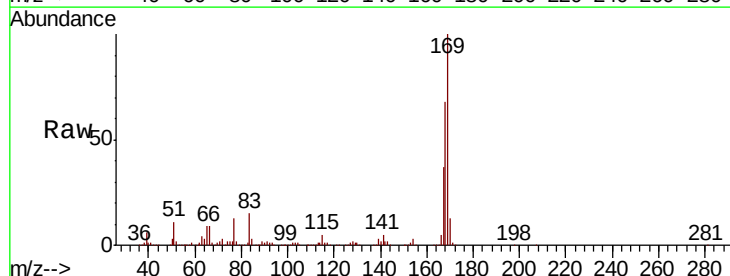
RT: 15.59 min Scan# 2142

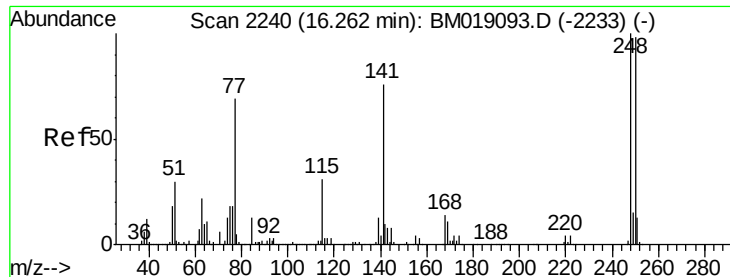
Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Tgt Ion:	169	Resp:	1566921
Ion Ratio	Lower	Upper	
169	100		
168	68.3	53.9	80.9
167	36.7	28.8	43.2





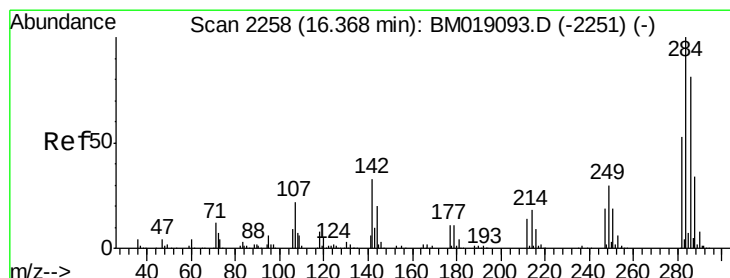
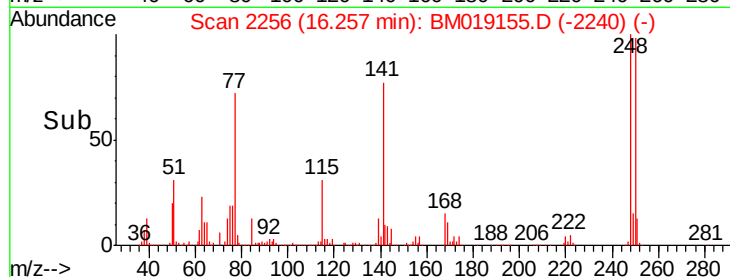
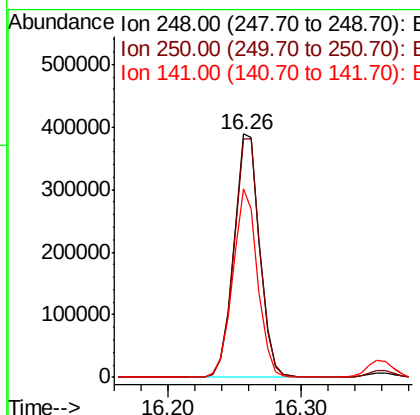
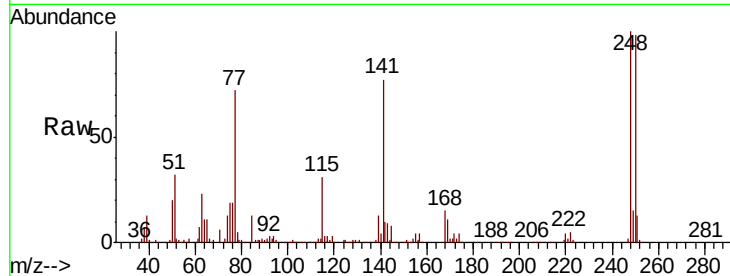
#67
4-Bromophenyl-phenylether
Concen: 35.787 ng
RT: 16.26 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Instrument :
BNA_M
ClientSampleId :
BF-10-031119MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.1	78.0	117.0
141	77.5	61.0	91.4

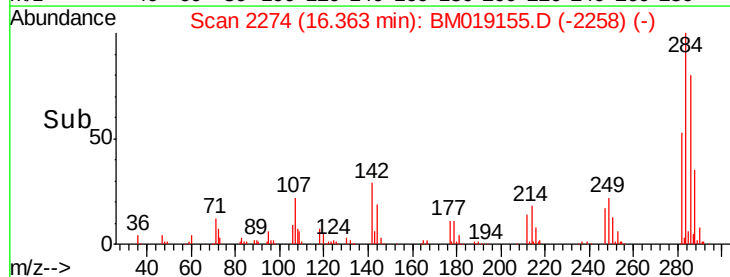
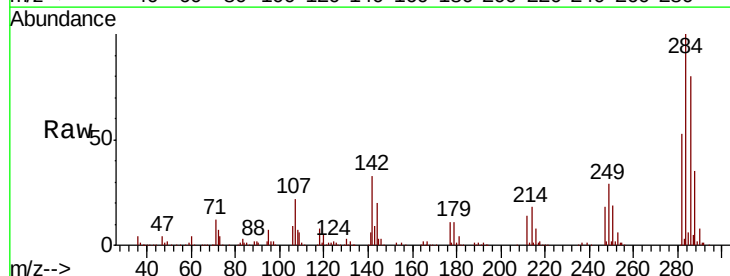
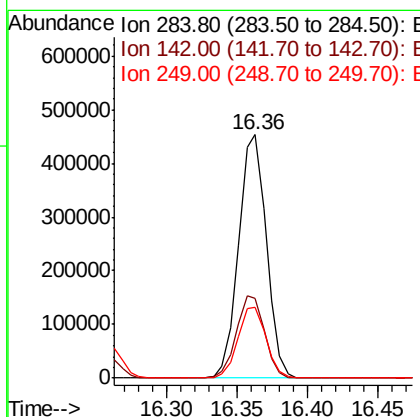
Manual Integrations
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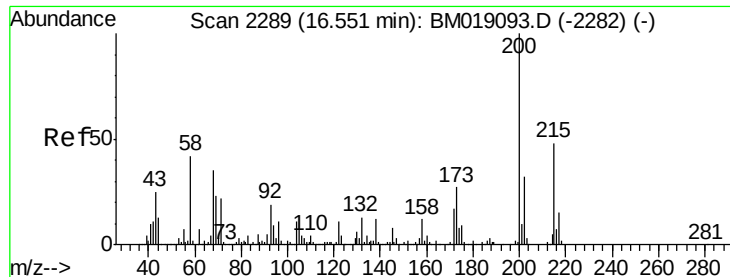
Sohil
3/14/2019 3:38:04 PM



#68
Hexachlorobenzene
Concen: 35.868 ng
RT: 16.36 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.6	26.3	39.5
249	28.9	24.1	36.1





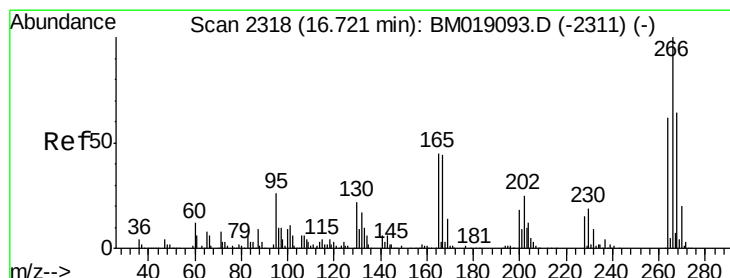
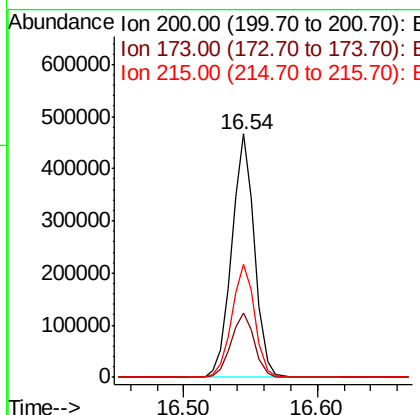
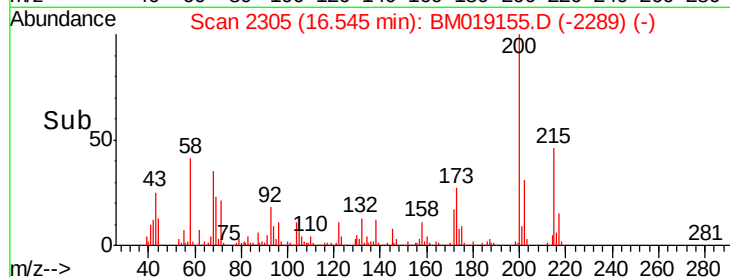
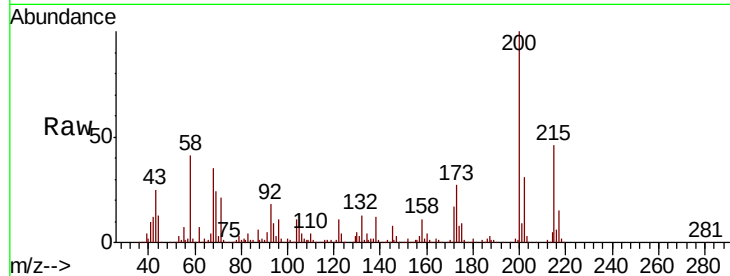
#69
Atrazine
Concen: 39.244 ng
RT: 16.54 min Scan# 2305
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Instrument :
BNA_M
ClientSampleId :
BF-10-031119MS

Tot Ion	Ratio	Resp	Lower	Upper
200	100	556311		
173	26.5	7.0	47.0	
215	46.4	27.7	67.7	

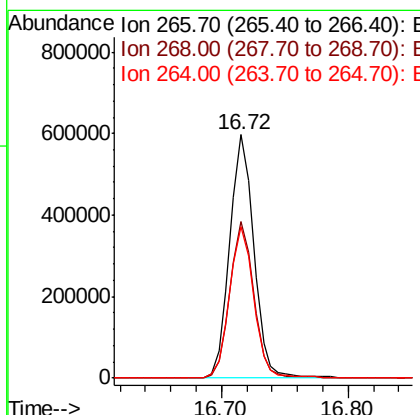
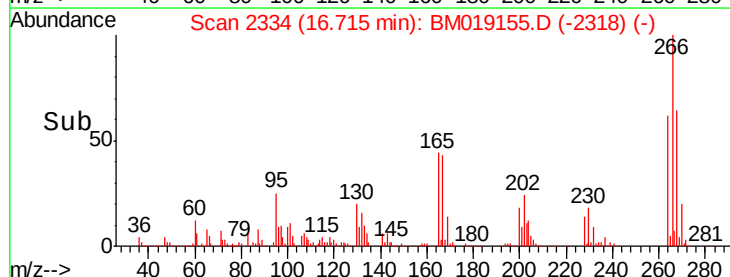
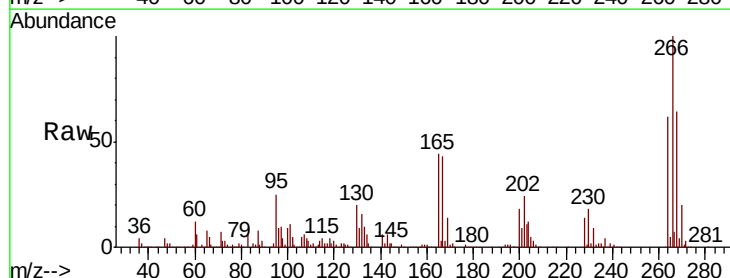
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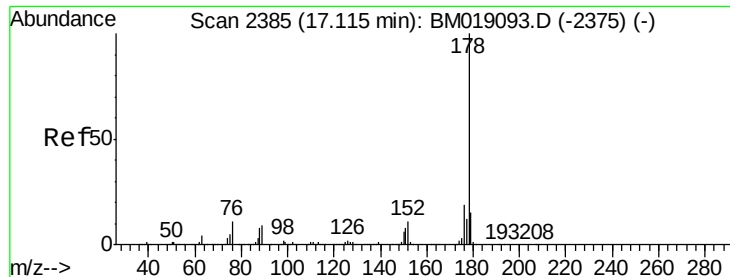
Sohil
3/14/2019 3:38:04 PM



#70
Pentachlorophenol
Concen: 75.399 ng
RT: 16.72 min Scan# 2334
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	787787		
268	64.2	51.3	76.9	
264	62.4	50.0	75.0	





#71

Phenanthrene

Concen: 35.992 ng

RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Instrument :

BNA_M

ClientSampleId :

BF-10-031119MS

Tot Ion:178 Resp: 2790533

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

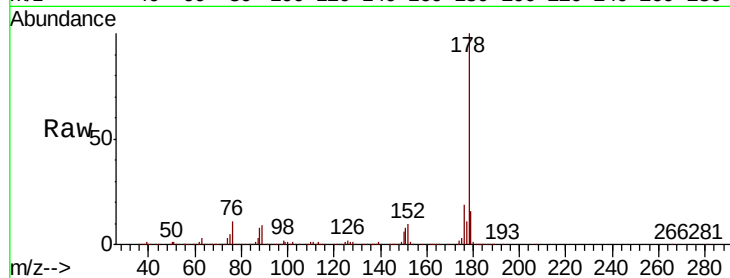
179 15.5 12.2 18.2

Manual Integrations

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Sohil

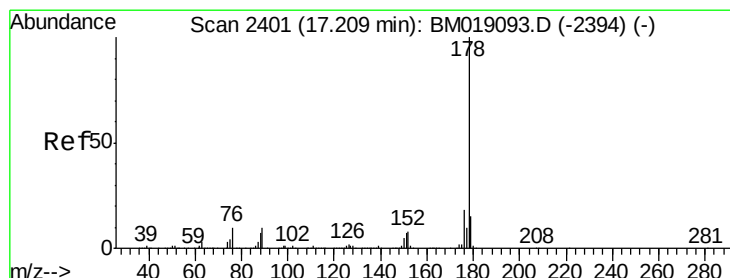
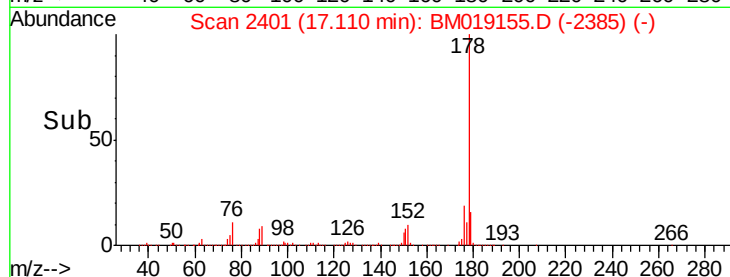
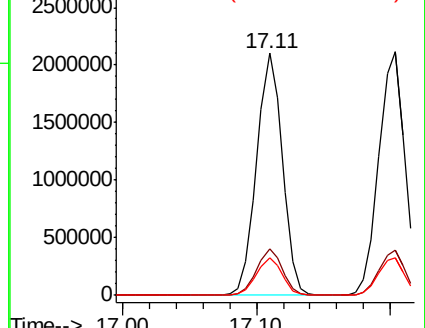
3/14/2019 3:38:04 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 37.618 ng

RT: 17.20 min Scan# 2417

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Tgt Ion:178 Resp: 2855238

Ion Ratio Lower Upper

178 100

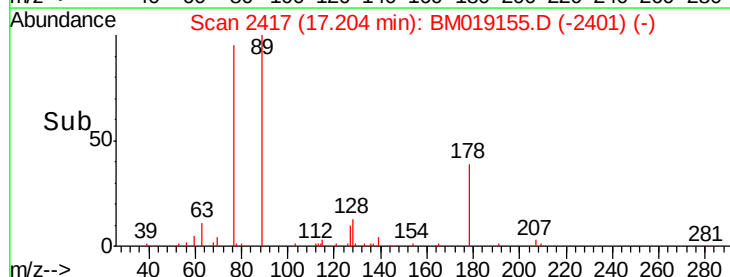
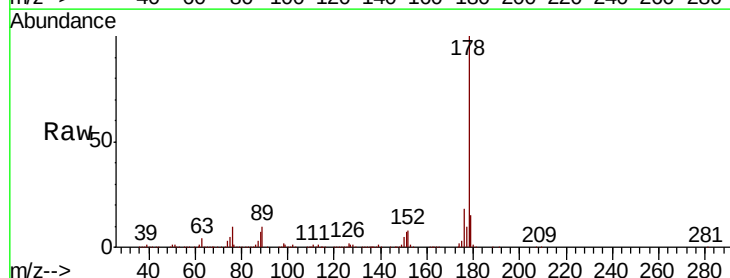
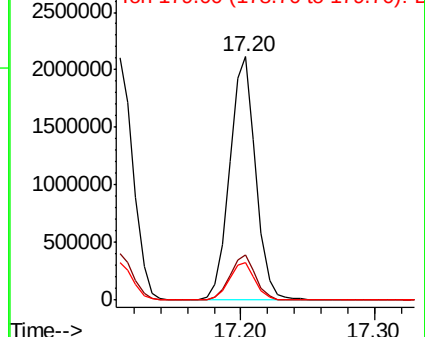
176 18.4 14.6 22.0

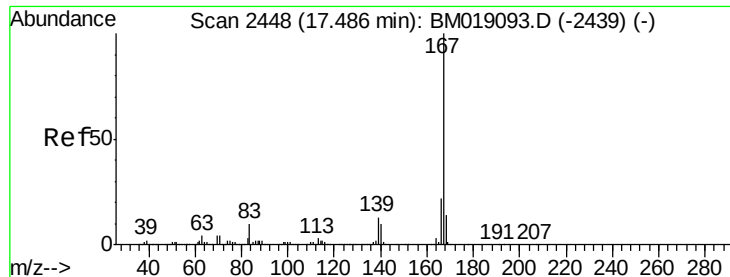
179 15.2 11.9 17.9

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





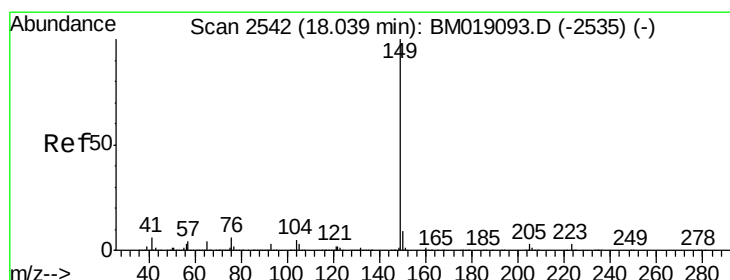
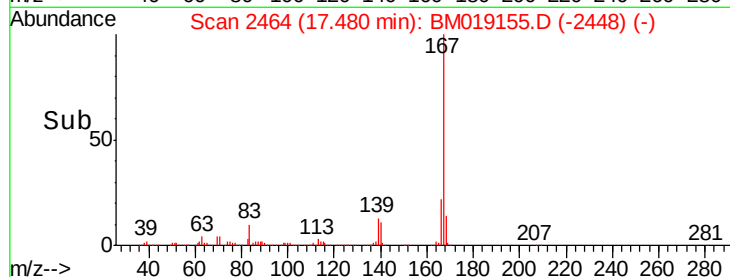
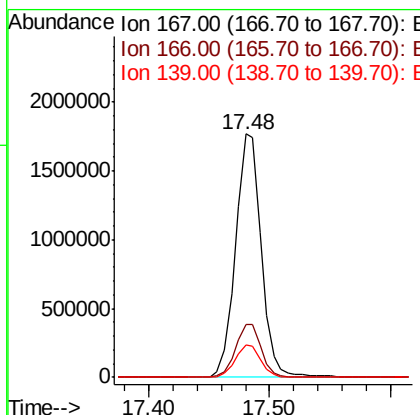
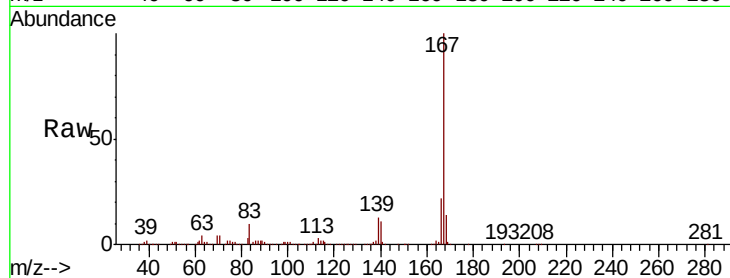
#73
 Carbazole
 Concen: 36.644 ng
 RT: 17.48 min Scan# 2464
 Delta R.T. -0.01 min
 Lab File: BM019155.D
 Acq: 13 Mar 2019 20:42

Instrument :
 BNA_M
 ClientSampleId :
 BF-10-031119MS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.8	26.8
139	13.3	10.5	15.7

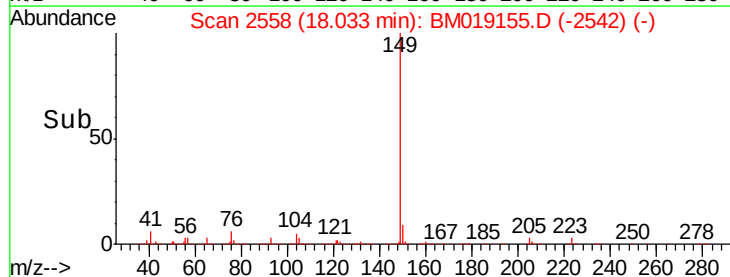
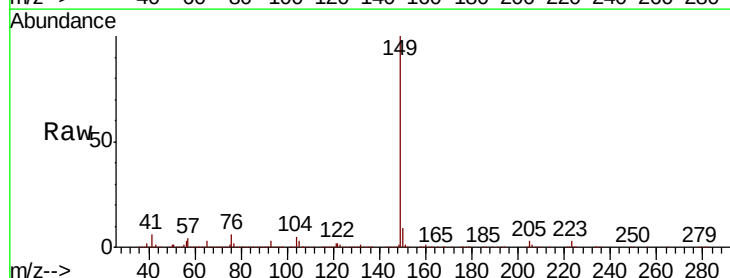
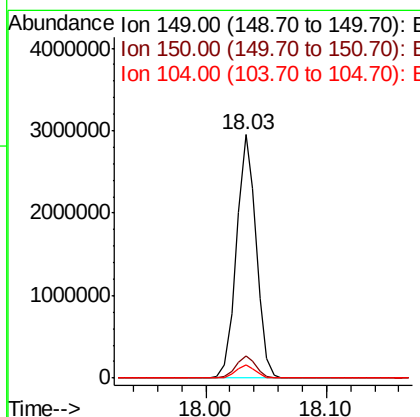
Manual Integrations
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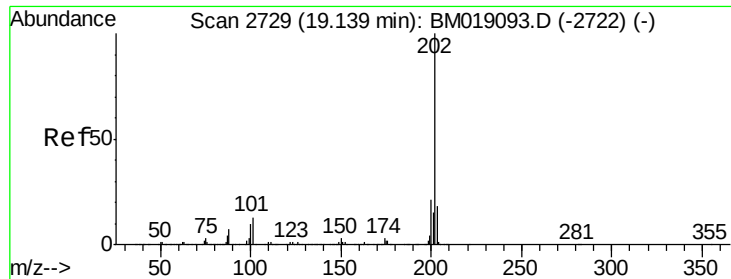
Sohil
 3/14/2019 3:38:04 PM



#74
 Di-n-butylphthalate
 Concen: 38.796 ng
 RT: 18.03 min Scan# 2558
 Delta R.T. -0.01 min
 Lab File: BM019155.D
 Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	5.3	4.2	6.4





#75

Fluoranthene

Concen: 36.087 ng

RT: 19.13 min Scan# 2745

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Instrument :

BNA_M

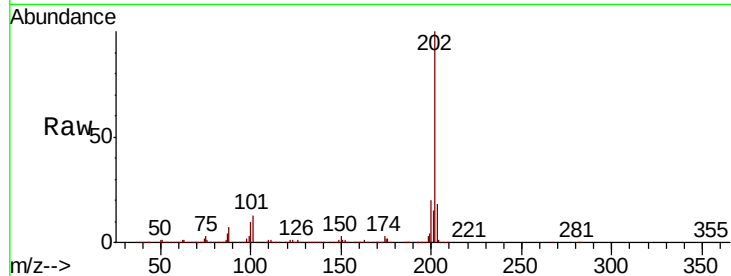
ClientSampleId :

BF-10-031119MS

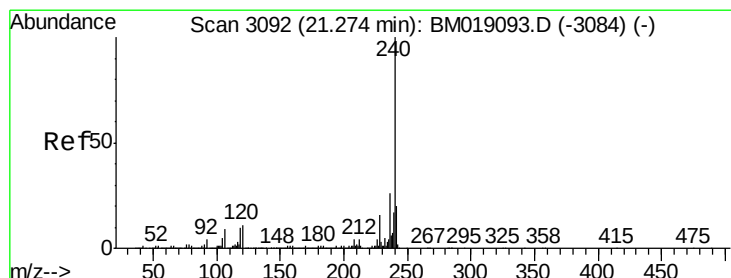
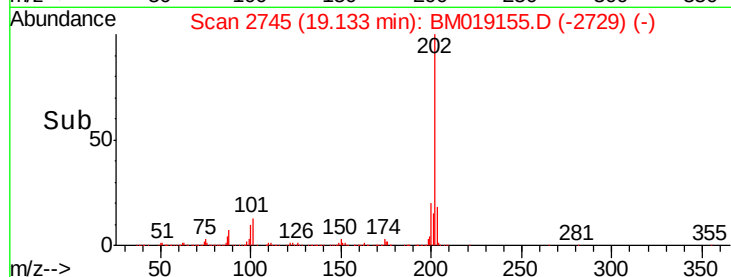
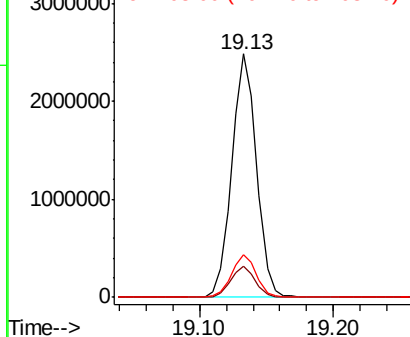
Tot Ion:	202	Resp:	3210463
Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.0
203	17.5	0.0	37.8

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.27 min Scan# 3108

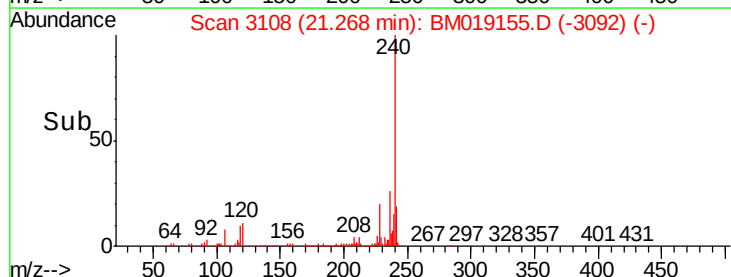
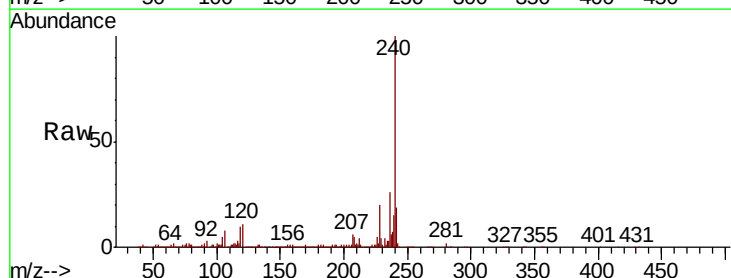
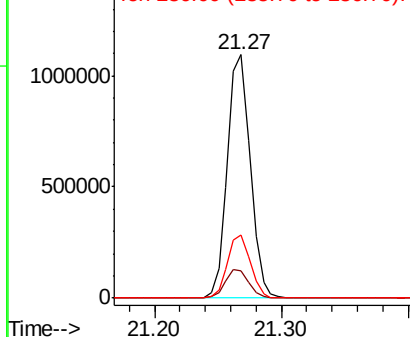
Delta R.T. -0.01 min

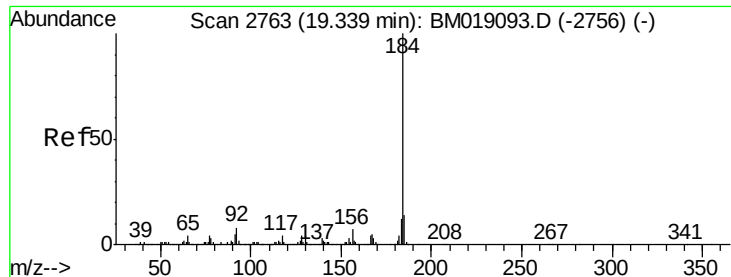
Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Tgt Ion:	240	Resp:	1366734
Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.9	13.3
236	25.7	21.0	31.4

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 17.955 ng

RT: 19.34 min Scan# 2780

Delta R.T. 0.00 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Instrument :

BNA_M

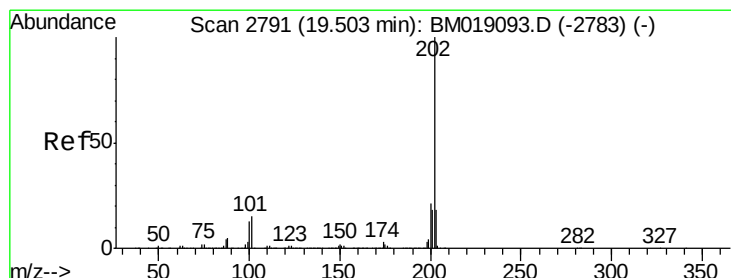
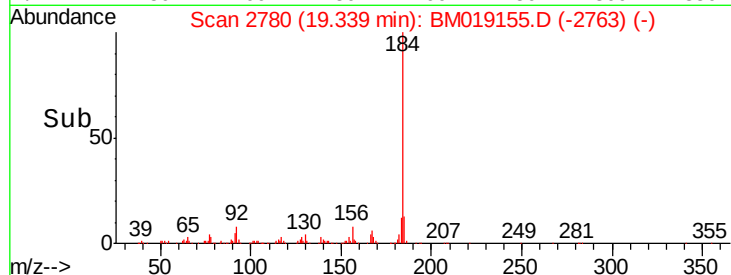
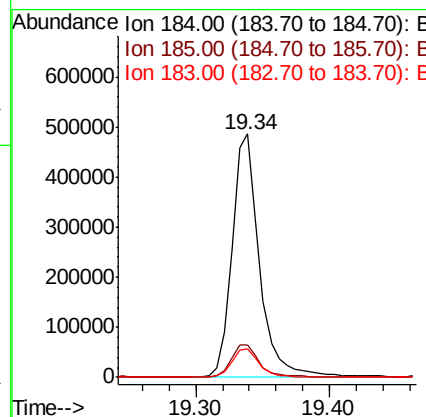
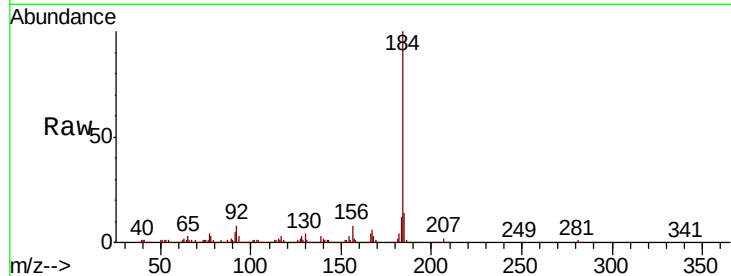
ClientSampleId :

BF-10-031119MS

Tot Ion:	184	Resp:	695975
Ion Ratio	Lower	Upper	
184	100		
185	13.6	11.0	16.4
183	12.0	9.8	14.6

Manual Integrations
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#78

Pyrene

Concen: 37.703 ng

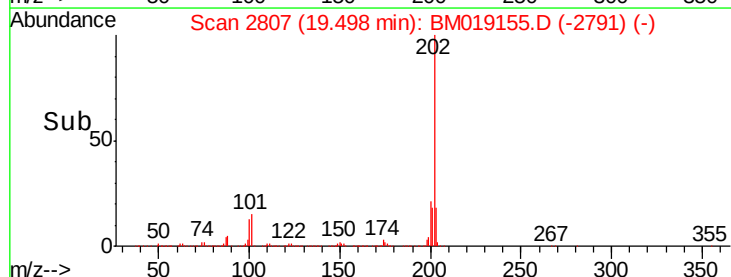
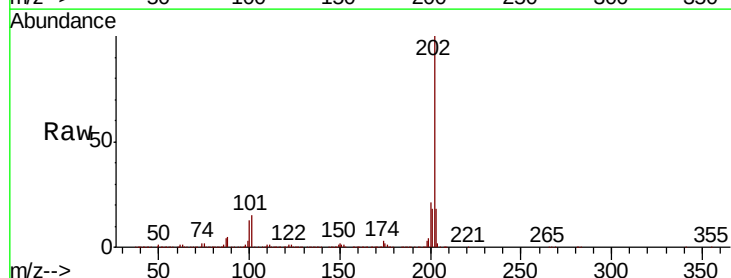
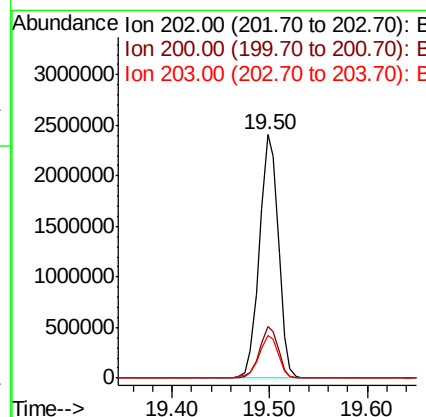
RT: 19.50 min Scan# 2807

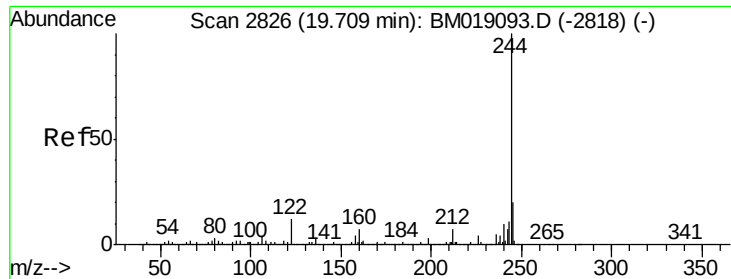
Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Tgt Ion:	202	Resp:	3260392
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.9	25.3
203	17.7	14.0	21.0





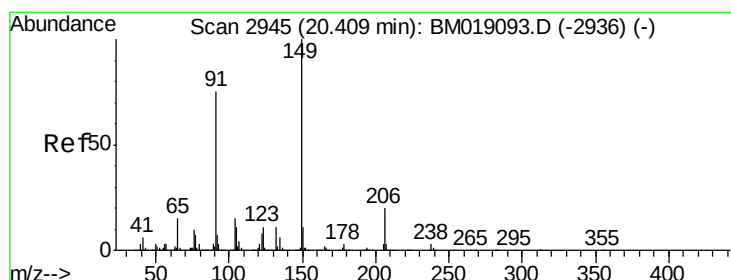
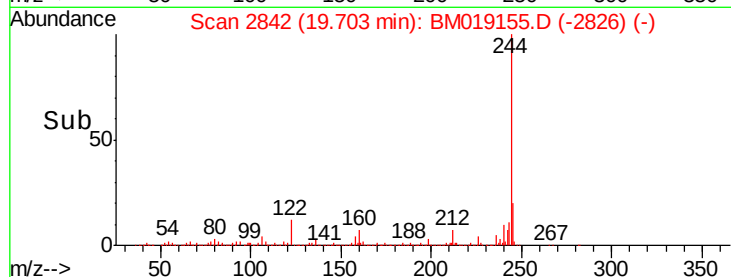
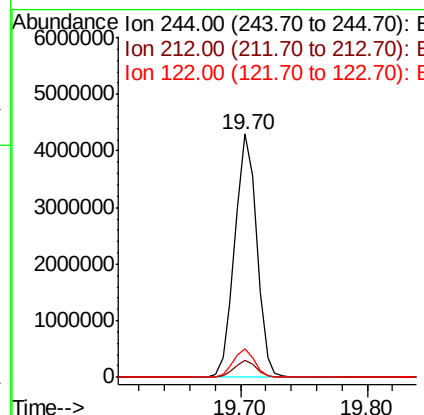
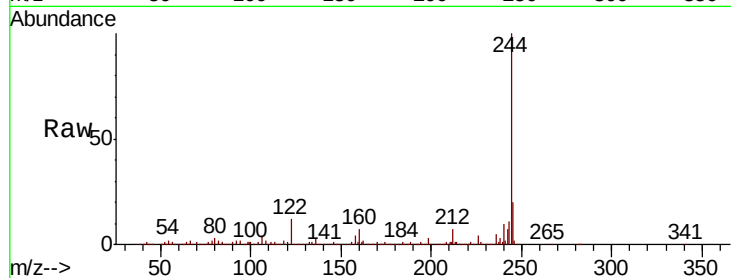
#79
 Terphenyl-d14
 Concen: 74.647 ng
 RT: 19.70 min Scan# 2842
 Delta R.T. -0.01 min
 Lab File: BM019155.D
 Acq: 13 Mar 2019 20:42

Instrument :
 BNA_M
 ClientSampleId :
 BF-10-031119MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	11.7	9.4	14.2

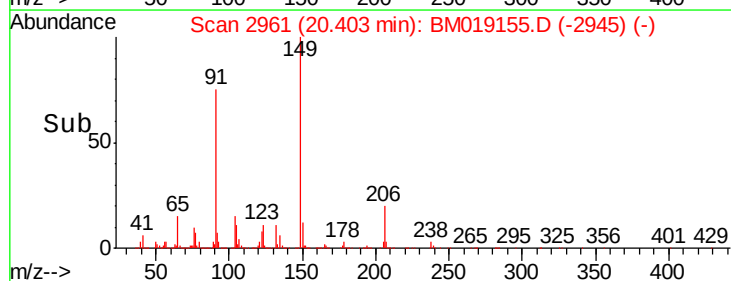
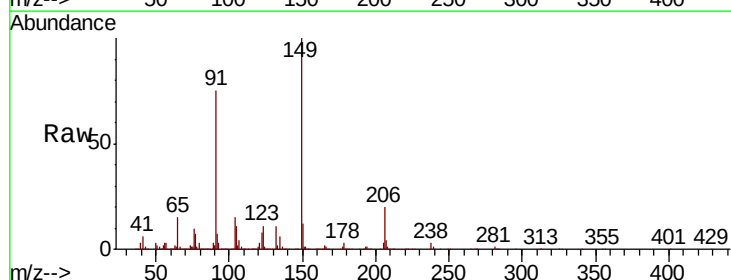
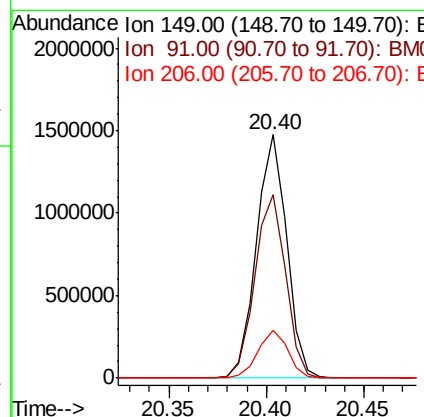
Manual Integrations
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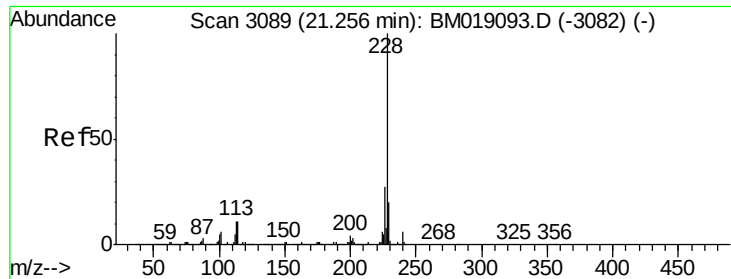
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#80
 Butylbenzylphthalate
 Concen: 41.989 ng
 RT: 20.40 min Scan# 2961
 Delta R.T. -0.01 min
 Lab File: BM019155.D
 Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Lower	Upper
149	100		
91	75.4	60.1	90.1
206	19.8	16.2	24.2





#81

Benzo(a)anthracene

Concen: 35.211 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Instrument :

BNA_M

ClientSampleId :

BF-10-031119MS

Tot Ion:228 Resp: 3019108

Ion Ratio Lower Upper

228 100

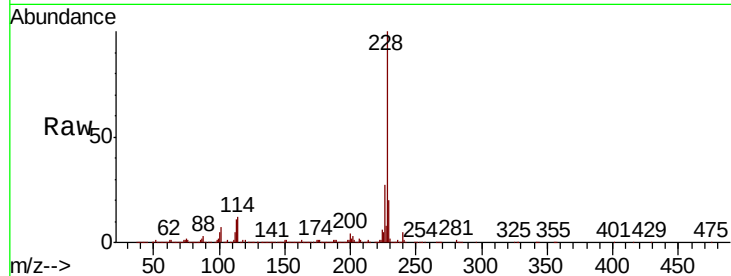
226 27.2 21.8 32.8

229 19.7 15.8 23.6

Manual Integrations
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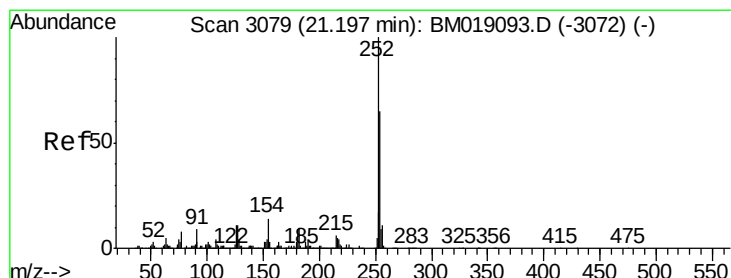
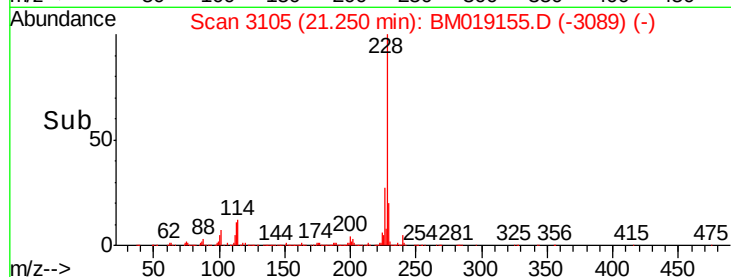
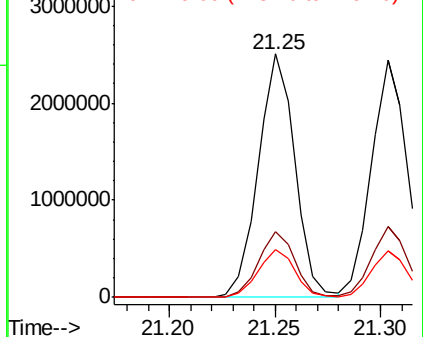


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 20.747 ng

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

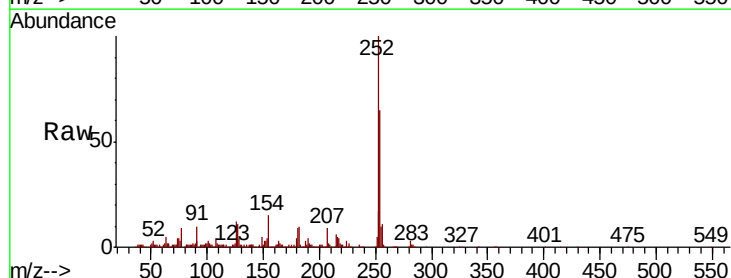
Tgt Ion:252 Resp: 685292

Ion Ratio Lower Upper

252 100

254 65.3 52.4 78.6

126 11.6 9.0 13.6

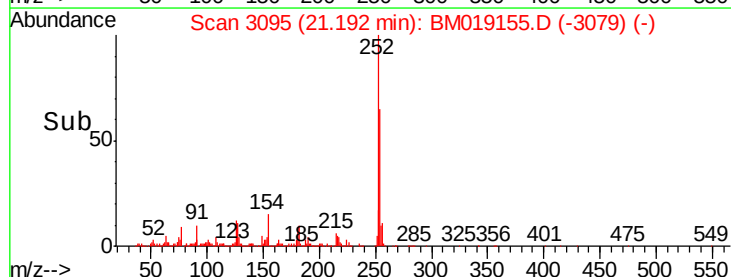
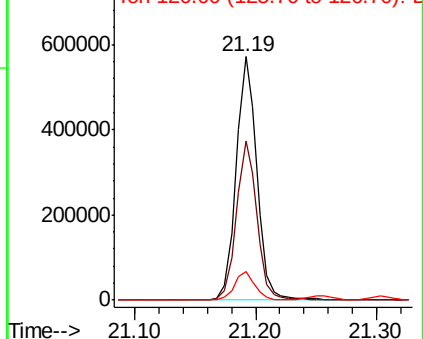


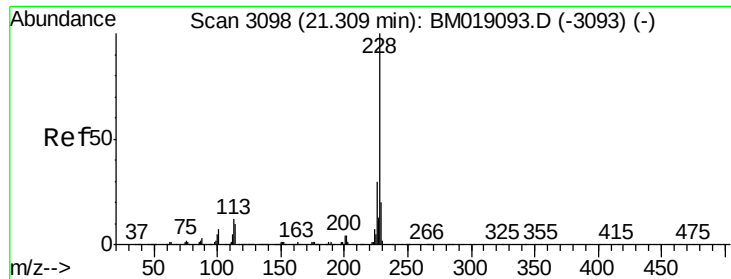
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





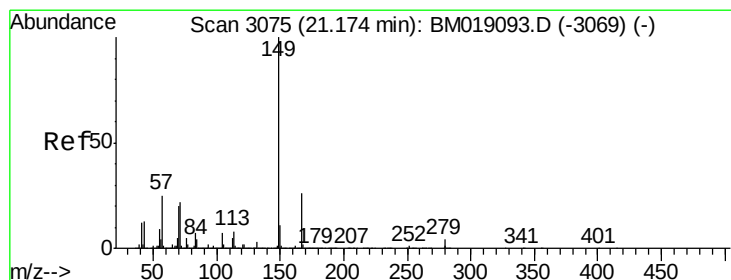
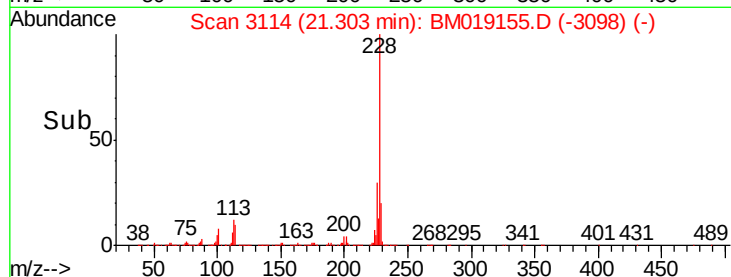
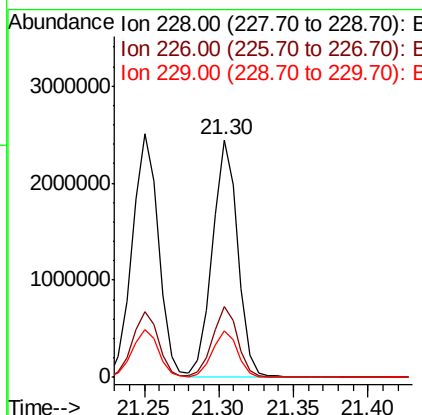
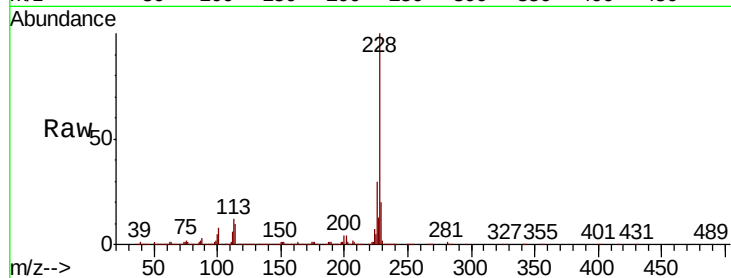
#83
 Chrvsene
 Concen: 34.879 ng
 RT: 21.30 min Scan# 3114
 Delta R.T. -0.01 min
 Lab File: BM019155.D
 Acq: 13 Mar 2019 20:42

Instrument :
 BNA_M
 ClientSampleId :
 BF-10-031119MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	19.8	15.7	23.5

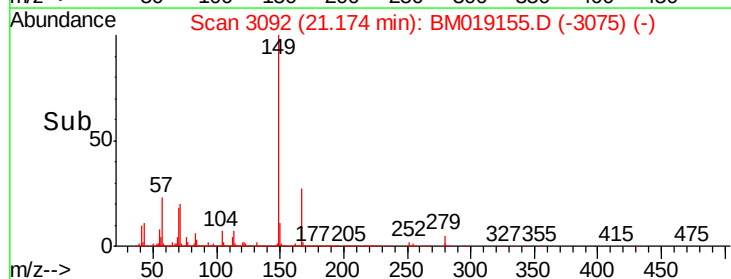
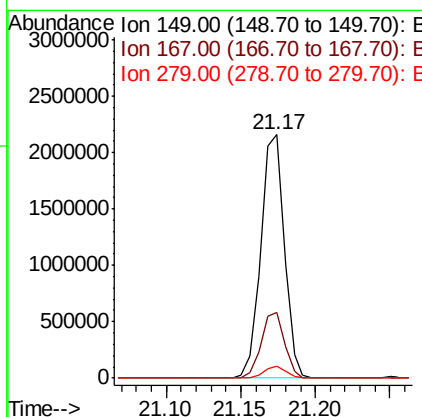
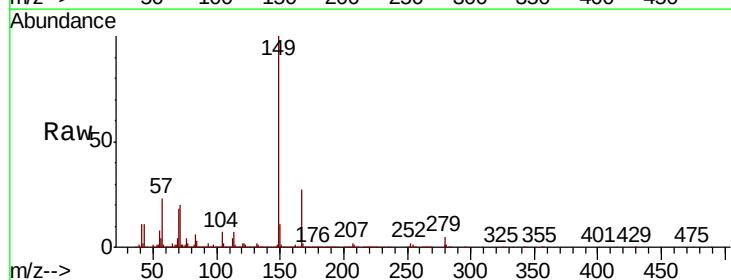
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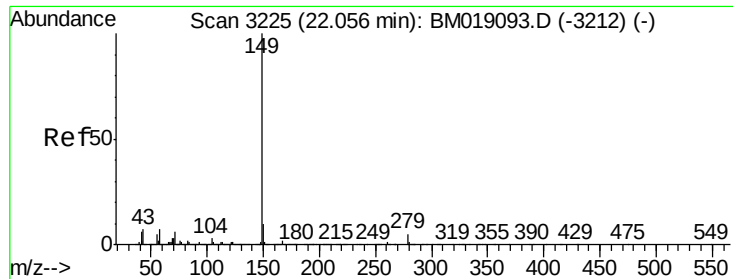
Sohil
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 42.482 ng
 RT: 21.17 min Scan# 3092
 Delta R.T. 0.00 min
 Lab File: BM019155.D
 Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.1	31.7
279	4.8	3.2	4.8





#85

Di-n-octyl phthalate

Concen: 42.010 ng

RT: 22.05 min Scan# 3241

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Instrument :

BNA_M

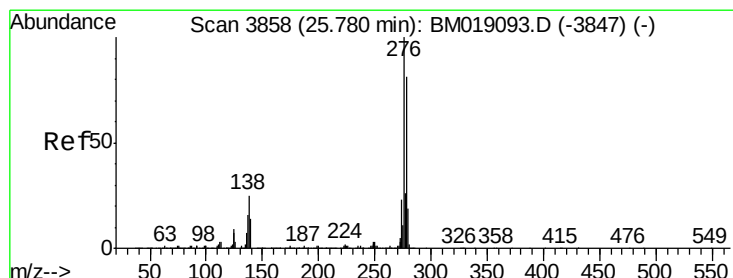
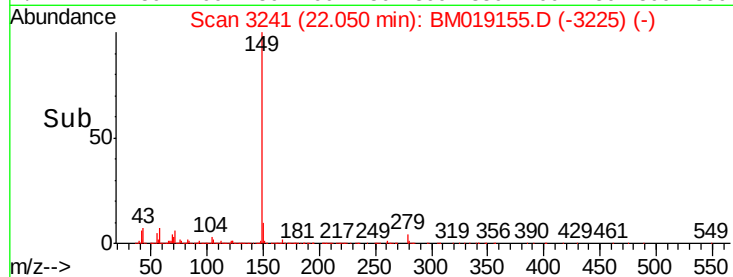
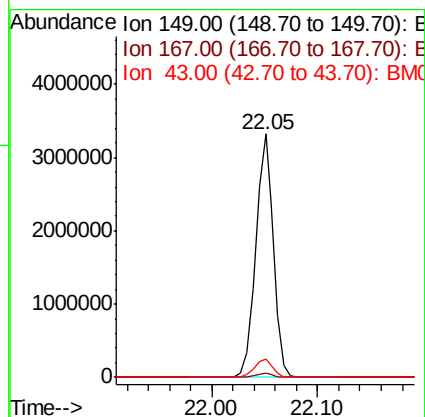
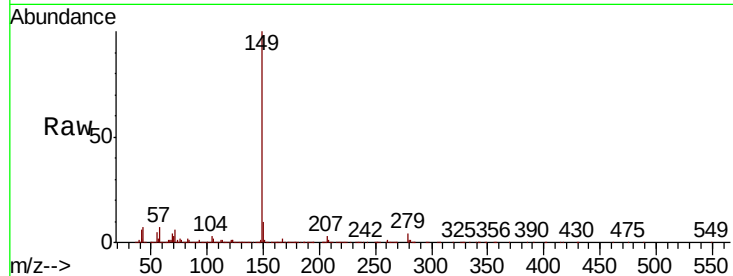
ClientSampleId :

BF-10-031119MS

Tot Ion:	149	Resp:	3876258
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	7.6	6.1	9.1

Manual Integrations
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#86

Indeno(1,2,3-cd)pyrene

Concen: 31.675 ng

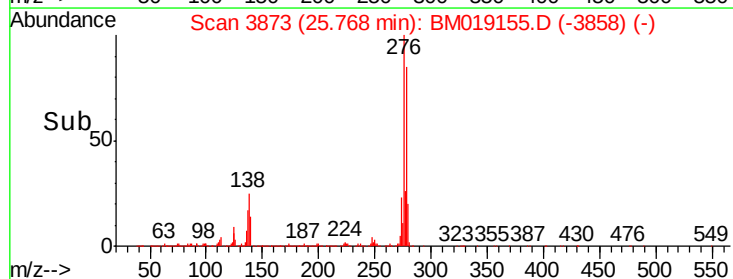
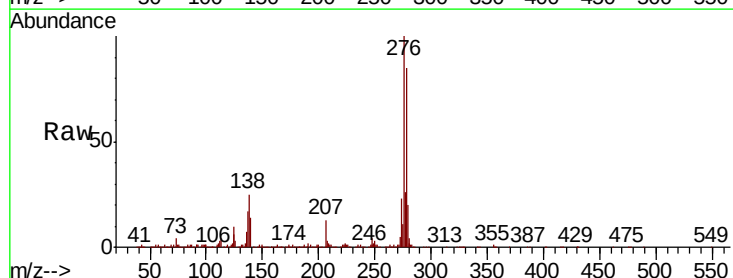
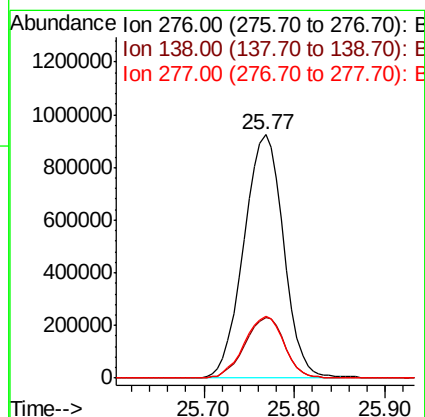
RT: 25.77 min Scan# 3873

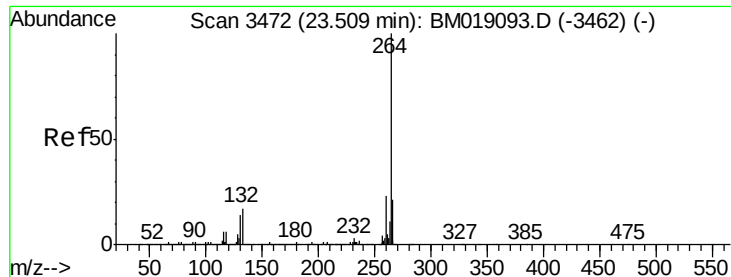
Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Tgt Ion:	276	Resp:	2828419
Ion	Ratio	Lower	Upper
276	100		
138	24.9	19.8	29.8
277	25.5	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.50 min Scan# 3488

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

Instrument :

BNA_M

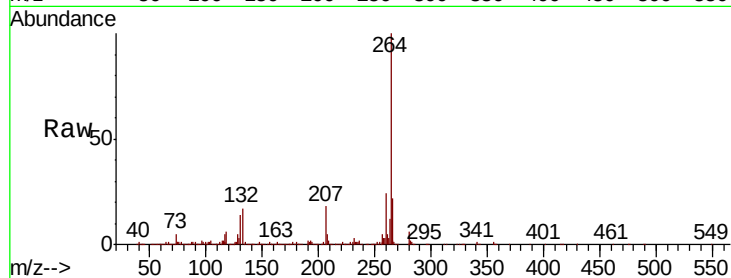
ClientSampleId :

BF-10-031119MS

Tot Ion:	264	Resp:	1188505
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.6	28.0
265	21.8	17.3	25.9

Manual Integrations
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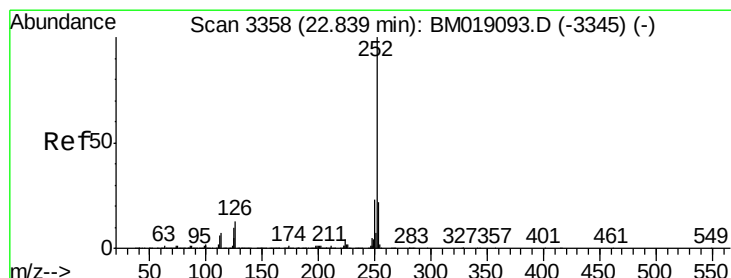
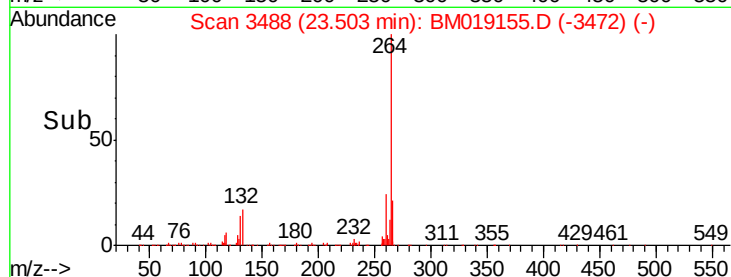
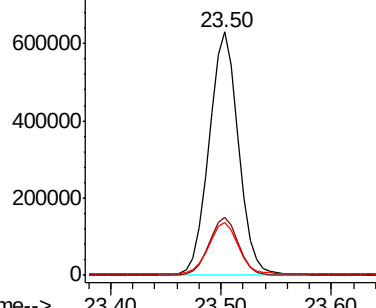


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 36.279 ng

RT: 22.83 min Scan# 3373

Delta R.T. -0.01 min

Lab File: BM019155.D

Acq: 13 Mar 2019 20:42

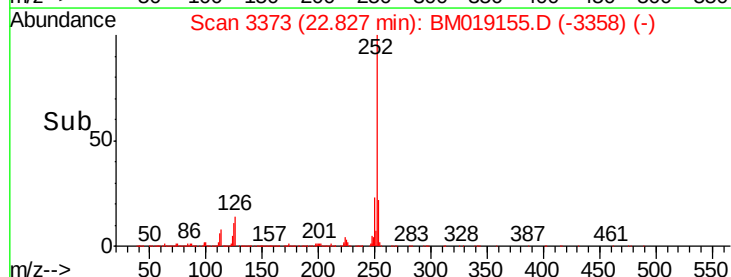
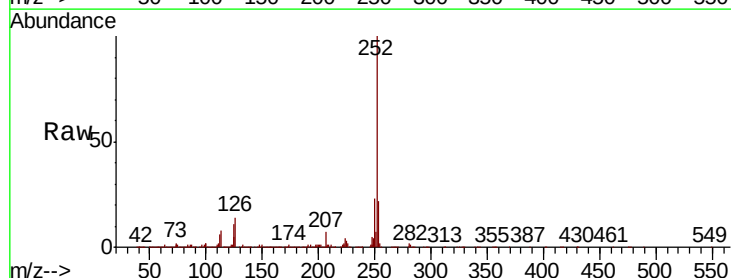
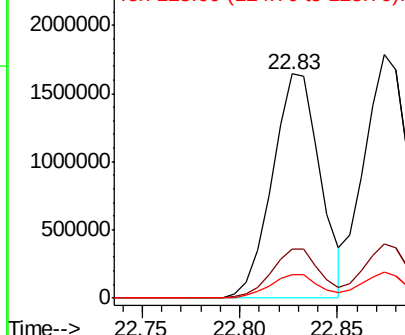
Tgt Ion:	252	Resp:	2793923
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.6	26.4
125	10.7	8.1	12.1

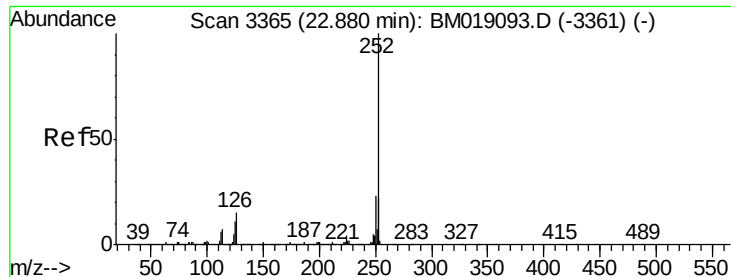
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





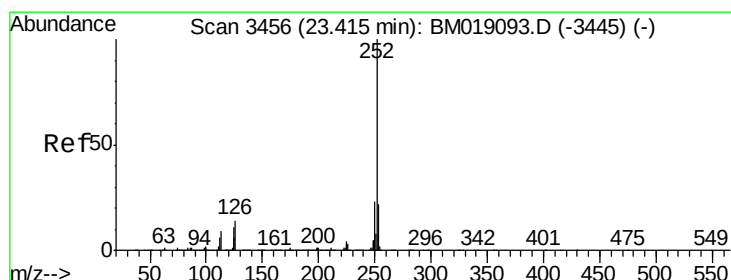
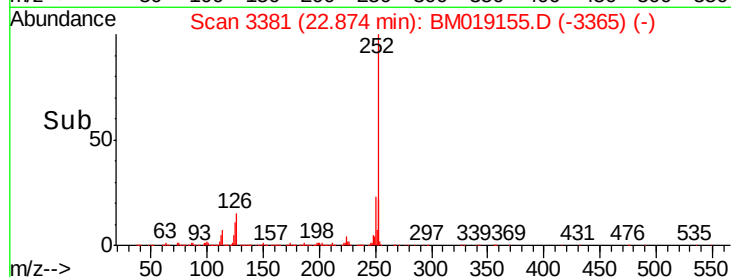
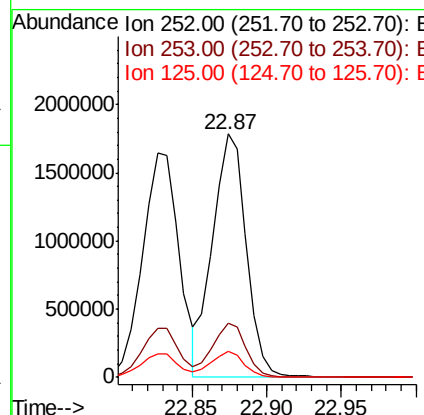
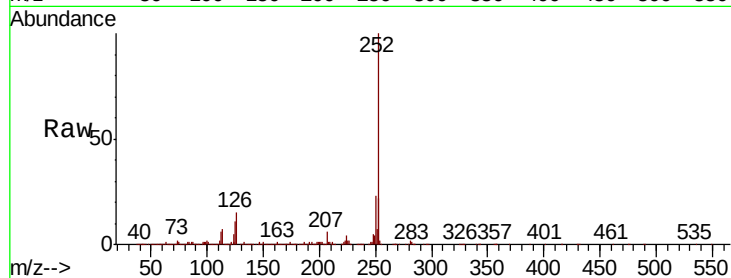
#89
Benzo(k)fluoranthene
Concen: 39.613 ng
RT: 22.87 min Scan# 3381
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Instrument :
BNA_M
ClientSampleId :
BF-10-031119MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.7	8.8	13.2

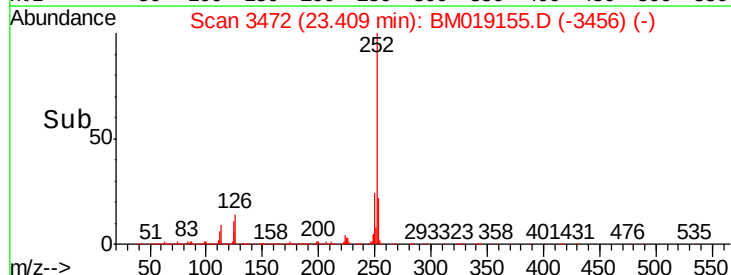
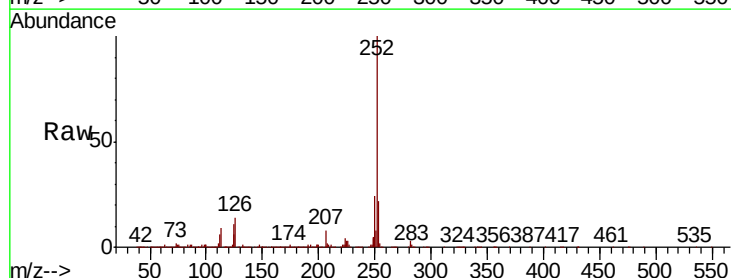
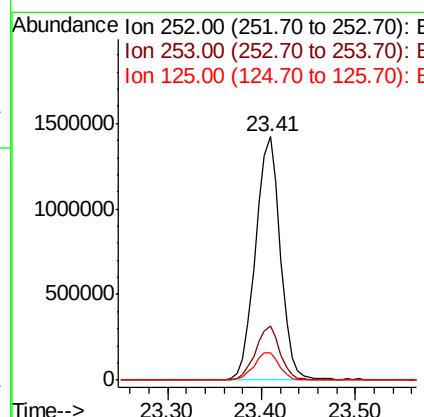
Manual Integrations
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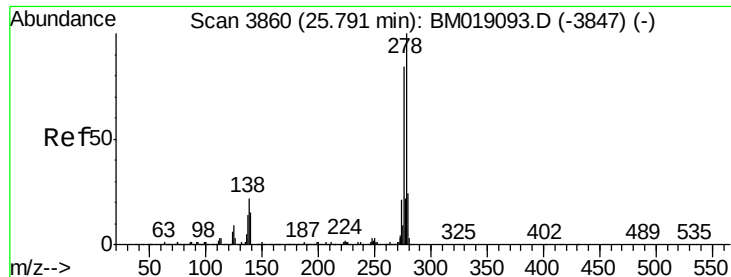
Sohil
3/14/2019 3:38:04 PM



#90
Benzo(a)pyrene
Concen: 37.636 ng
RT: 23.41 min Scan# 3472
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	11.4	9.2	13.8





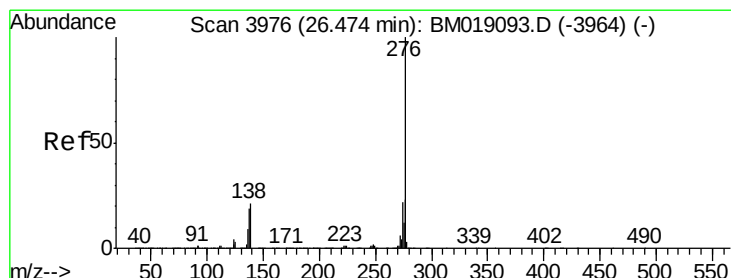
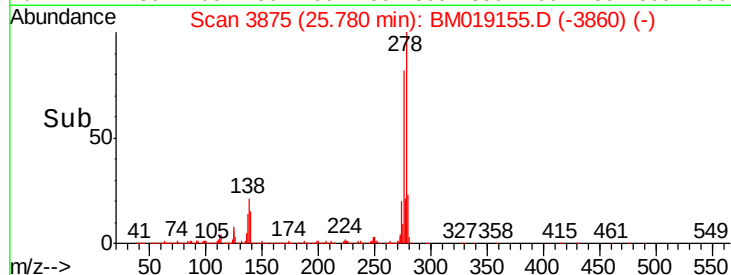
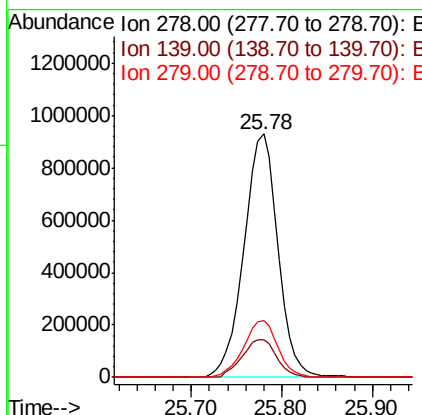
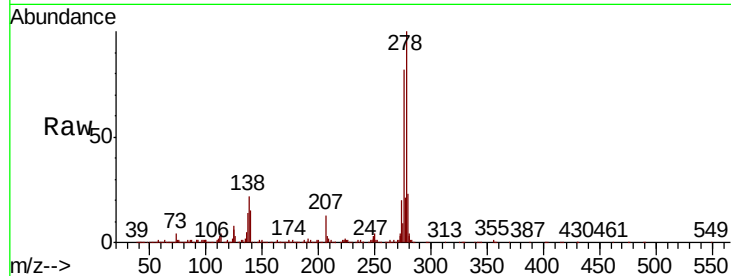
#91
Dibenzo(a,h)anthracene
Concen: 36.564 ng
RT: 25.78 min Scan# 3875
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Instrument :
BNA_M
ClientSampleId :
BF-10-031119MS

Tot Ion	Ion	Ratio	Lower	Upper
278	278	100		
139	139	15.5	12.3	18.5
279	279	23.4	18.9	28.3

Manual Integrations
APPROVED

Sohil
3/14/2019 3:38:04 PM



#92
Benzo(g,h,i)perylene
Concen: 36.920 ng
RT: 26.46 min Scan# 3991
Delta R.T. -0.01 min
Lab File: BM019155.D
Acq: 13 Mar 2019 20:42

Tgt Ion	Ion	Ratio	Lower	Upper
276	276	100		
277	277	23.4	18.8	28.2
138	138	21.0	17.0	25.4

