

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052517\
 Data File : BM010219.D
 Acq On : 25 May 2017 16:20
 Operator : SJ/MA
 Sample : I3317-09MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-104MSD

Quant Time: May 26 05:14:12 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM051917.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:25:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	131647	20.00	ng	-0.03
21) Naphthalene-d8	10.75	136	449482	20.00	ng	-0.04
38) Acenaphthene-d10	14.58	164	281899	20.00	ng	-0.03
63) Phenanthrene-d10	17.33	188	678487	20.00	ng	-0.02
75) Chrysene-d12	21.49	240	1050834	20.00	ng	-0.02
86) Perylene-d12	23.84	264	1132553	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	489696	67.17	ng	-0.03
7) Phenol-d6	7.13	99	373917	39.86	ng	-0.04
23) Nitrobenzene-d5	9.13	82	991820	119.05	ng	-0.04
41) 2,4,6-Tribromophenol	16.07	330	719157	167.97	ng	-0.02
44) 2-Fluorobiphenyl	13.20	172	2547731	116.19	ng	-0.04
78) Terphenyl-d14	19.93	244	4156569	89.94	ng	-0.02

Target Compounds						Qvalue
2) 1,4-Dioxane	3.43	88	63539	18.97	ng	# 100
3) Pyridine	3.86	79	118237	13.19	ng	# 86
4) n-Nitrosodimethylamine	3.76	42	77104	23.77	ng	78
6) Aniline	7.30	93	301950	25.98	ng	91
8) 2-Chlorophenol	7.52	128	292538	36.88	ng	90
9) Benzaldehyde	7.10	77	98272	16.83	ng	81
10) Phenol	7.16	94	136583	13.82	ng	94
11) bis(2-Chloroethyl)ether	7.38	93	320315	43.47	ng	97
12) 1,3-Dichlorobenzene	7.83	146	425743	42.24	ng	# 90
13) 1,4-Dichlorobenzene	7.98	146	437130	42.22	ng	97
14) 1,2-Dichlorobenzene	8.30	146	421635	42.42	ng	95
15) Benzyl Alcohol	8.20	79	213602	30.10	ng	# 87
16) 2,2'-oxybis(1-Chloropropan	8.47	45	274030	37.82	ng	75
17) 2-Methylphenol	8.40	107	204393	29.06	ng	# 84
18) Hexachloroethane	9.02	117	149230	44.46	ng	# 74
19) n-Nitroso-di-n-propylamine	8.75	70	324940	49.08	ng	94
20) 3+4-Methylphenols	8.73	107	250810	26.40	ng	87
22) Acetophenone	8.79	105	581267	50.45	ng	# 99
24) Nitrobenzene	9.17	77	494258	57.59	ng	93
25) Isophorone	9.68	82	786302	54.62	ng	# 94
26) 2-Nitrophenol	9.87	139	185127	51.17	ng	# 63
27) 2,4-Dimethylphenol	9.93	122	280328	42.91	ng	# 80
28) bis(2-Chloroethoxy)methane	10.16	93	434398	47.55	ng	98
29) 2,4-Dichlorophenol	10.40	162	378477	50.32	ng	98
30) 1,2,4-Trichlorobenzene	10.60	180	481027	49.43	ng	99
31) Naphthalene	10.80	128	1083986	45.08	ng	99
32) Benzoic acid	10.03	122	55505	12.47	ng	# 79
33) 4-Chloroaniline	10.94	127	329023	35.52	ng	# 82
34) Hexachlorobutadiene	11.05	225	327378	50.43	ng	95
35) Caprolactam	11.76	113	10746	4.98	ng	# 83
36) 4-Chloro-3-methylphenol	12.05	107	329069	40.40	ng	86
37) 2-Methylnaphthalene	12.40	142	851571	49.19	ng	# 93
39) 1,2,4,5-Tetrachlorobenzene	12.76	216	570650	52.64	ng	# 100
40) Hexachlorocyclopentadiene	12.72	237	769190	122.89	ng	96

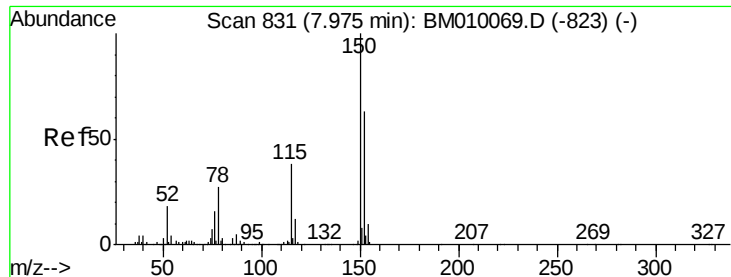
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052517\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.02	196	355039	55.61	ng	99
43) 2,4,5-Trichlorophenol	13.09	196	369494	52.37	ng	# 91
45) 1,1'-Biphenyl	13.41	154	1167842	50.38	ng	100
46) 2-Chloronaphthalene	13.46	162	930631	49.58	ng	97
47) 2-Nitroaniline	13.70	65	272120	56.38	ng	# 78
48) Acenaphthylene	14.31	152	1411408	50.86	ng	99
49) Dimethylphthalate	14.05	163	1254193	49.88	ng	# 98
50) 2,6-Dinitrotoluene	14.18	165	251595	52.69	ng	86
51) Acenaphthene	14.65	154	858398	49.75	ng	98
52) 3-Nitroaniline	14.53	138	182856	41.20	ng	# 65
53) 2,4-Dinitrophenol	14.72	184	324044	100.39	ng	88
54) Dibenzofuran	14.98	168	1465943	54.03	ng	96
55) 4-Nitrophenol	14.83	139	120069	33.62	ng	# 28
56) 2,4-Dinitrotoluene	14.96	165	358661	53.09	ng	85
57) Fluorene	15.63	166	1212773	51.41	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.20	232	353902	58.89	ng	# 100
59) Diethylphthalate	15.39	149	1131834	47.61	ng	98
60) 4-Chlorophenyl-phenylether	15.62	204	675218	50.98	ng	99
61) 4-Nitroaniline	15.69	138	194775	43.23	ng	# 13
62) Azobenzene	15.91	77	1145793	65.54	ng	88
64) 4,6-Dinitro-2-methylphenol	15.71	198	223221	53.85	ng	76
65) n-Nitrosodiphenylamine	15.84	169	1033142	50.81	ng	99
66) 4-Bromophenyl-phenylether	16.51	248	446541	51.41	ng	96
67) Hexachlorobenzene	16.60	284	499461	47.33	ng	94
68) Atrazine	16.78	200	407684	52.88	ng	97
69) Pentachlorophenol	16.97	266	618735	106.75	ng	100
70) Phenanthrene	17.37	178	1923667	50.67	ng	99
71) Anthracene	17.46	178	1999526	53.08	ng	99
72) Carbazole	17.75	167	1738685	52.13	ng	98
73) Di-n-butylphthalate	18.26	149	1939403	49.04	ng	# 97
74) Fluoranthene	19.37	202	2552178	51.78	ng	97
76) Benzidine	19.58	184	482610	24.90	ng	98
77) Pyrene	19.74	202	2648504	47.01	ng	99
79) Butylbenzylphthalate	20.61	149	981308	47.05	ng	# 83
80) Benzo(a)anthracene	21.47	228	2947381	50.89	ng	99
81) 3,3'-Dichlorobenzidine	21.41	252	974987	41.85	ng	# 97
82) Chrysene	21.52	228	2679936	48.79	ng	99
83) Bis(2-ethylhexyl)phthalate	21.35	149	1457055	46.72	ng	# 97
84) Di-n-octyl phthalate	22.26	149	2623112	46.98	ng	# 99
85) Indeno(1,2,3-cd)pyrene	26.26	276	4437002	55.09	ng	# 100
87) Benzo(b)fluoranthene	23.12	252	3410156	51.45	ng	# 93
88) Benzo(k)fluoranthene	23.17	252	3343077	51.48	ng	# 95
89) Benzo(a)pyrene	23.74	252	3327940	52.69	ng	# 96
90) Dibenzo(a,h)anthracene	26.27	278	3727609	52.78	ng	# 91
91) Benzo(g,h,i)perylene	27.02	276	3589638	51.87	ng	# 86

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.95 min Scan# 826

Delta R.T. -0.03 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

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ClientSampleId :

RAV-GT-104MSD

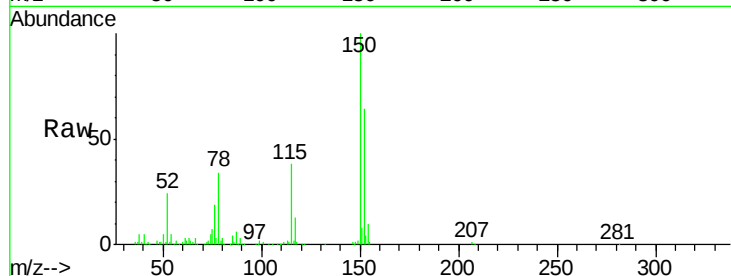
Tgt Ion:152 Resp: 131647

Ion Ratio Lower Upper

152 100

150 156.4 119.5 179.3

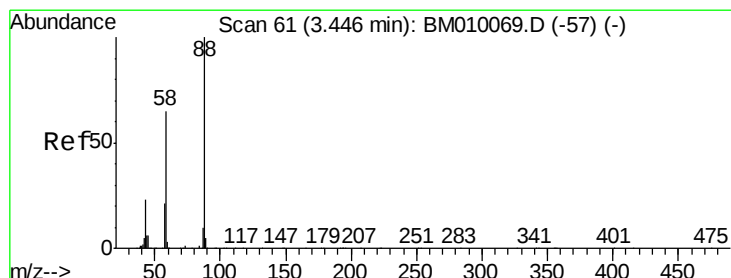
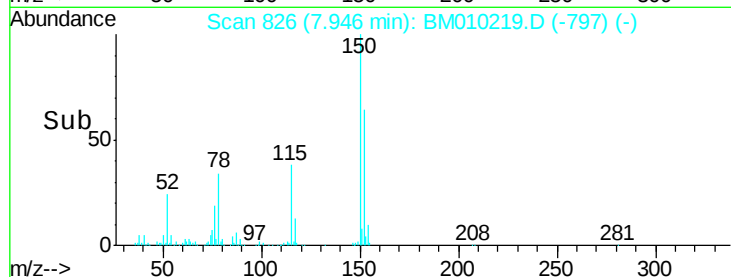
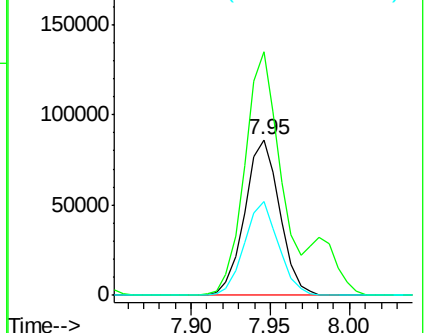
115 60.1 43.0 64.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 18.97 ng

RT: 3.43 min Scan# 58

Delta R.T. -0.02 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

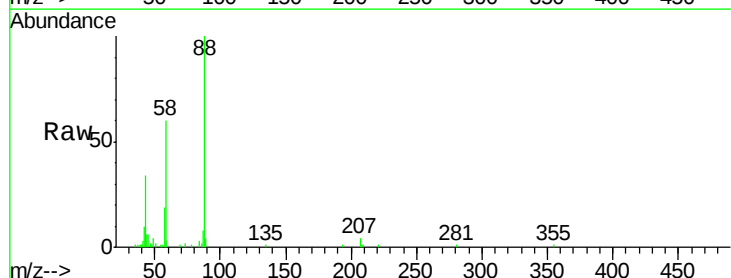
Tgt Ion: 88 Resp: 63539

Ion Ratio Lower Upper

88 100

58 57.6 0.0 0.0#

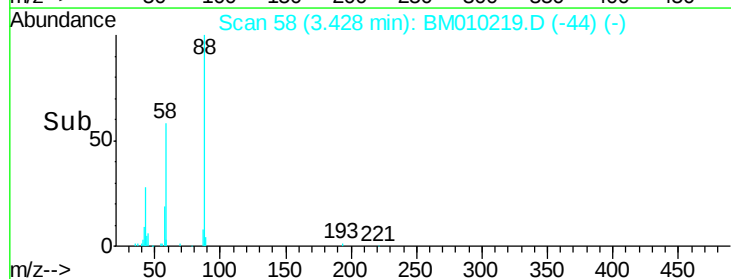
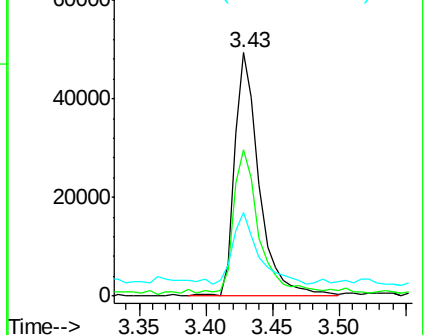
43 30.8 0.0 0.0#

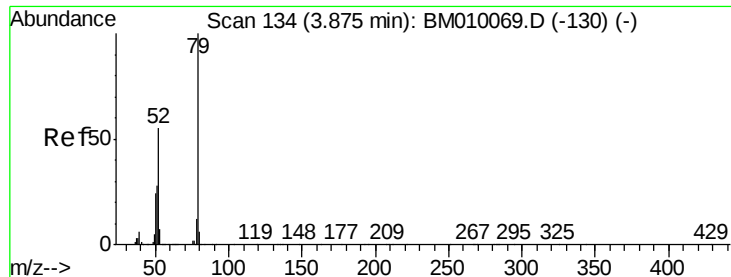


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

Pyridine

Concen: 13.19 ng

RT: 3.86 min Scan# 131

Delta R.T. -0.02 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

Instrument :

BNA_M

ClientSampleId :

RAV-GT-104MSD

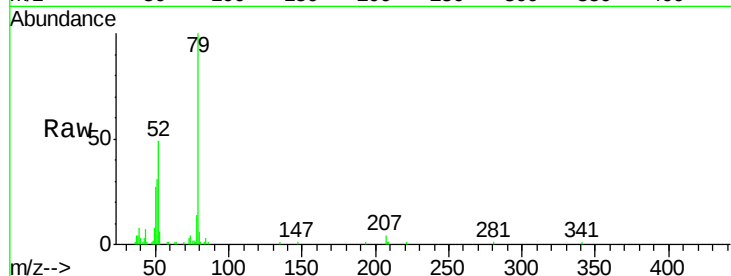
Tgt Ion: 79 Resp: 118237

Ion Ratio Lower Upper

79 100

52 48.7 51.1 76.7#

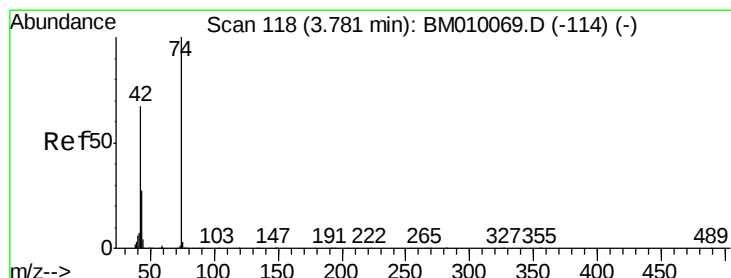
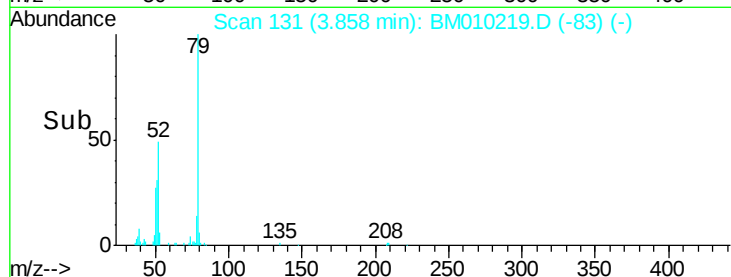
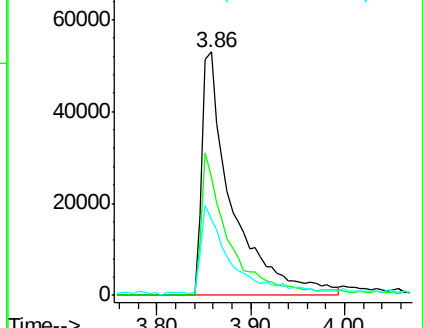
51 31.4 26.1 39.1



Abundance Ion 79.00 (78.70 to 79.70): BM010069.D (-130) (-)

Ion 52.00 (51.70 to 52.70): BM010069.D (-130) (-)

Ion 51.00 (50.70 to 51.70): BM010069.D (-130) (-)



#4

n-Nitrosodimethylamine

Concen: 23.77 ng

RT: 3.76 min Scan# 115

Delta R.T. -0.02 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

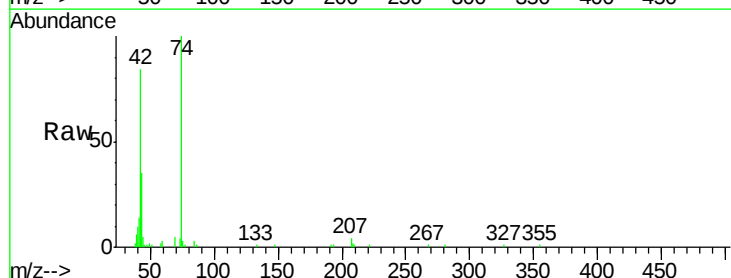
Tgt Ion: 42 Resp: 77104

Ion Ratio Lower Upper

42 100

74 119.7 119.3 178.9

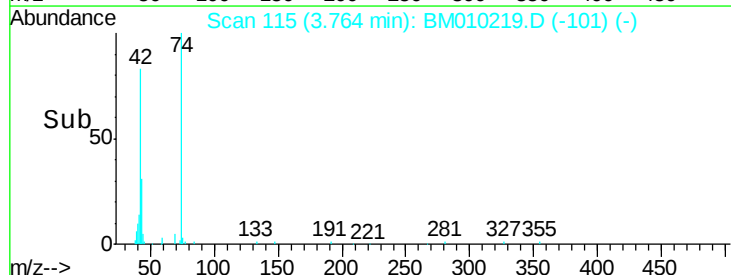
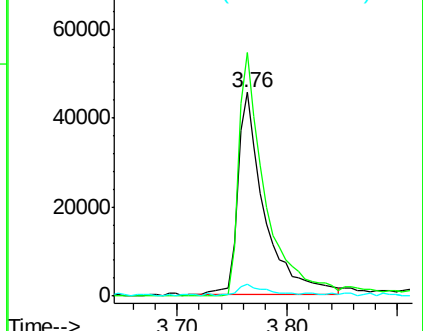
44 5.8 5.4 8.2

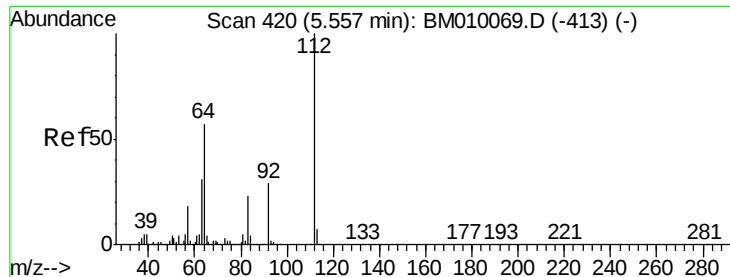


Abundance Ion 42.00 (41.70 to 42.70): BM010069.D (-114) (-)

Ion 74.00 (73.70 to 74.70): BM010069.D (-114) (-)

Ion 44.00 (43.70 to 44.70): BM010069.D (-114) (-)





#5

2-Fluorophenol

Concen: 67.17 ng

RT: 5.53 min Scan# 415

Delta R.T. -0.03 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

Instrument :

BNA_M

ClientSampleId :

RAV-GT-104MSD

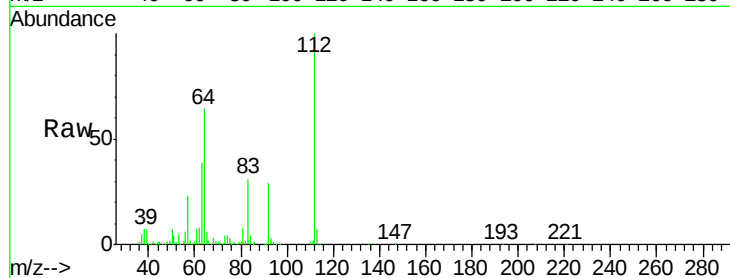
Tgt Ion: 112 Resp: 489696

Ion Ratio Lower Upper

112 100

64 63.6 38.6 57.8#

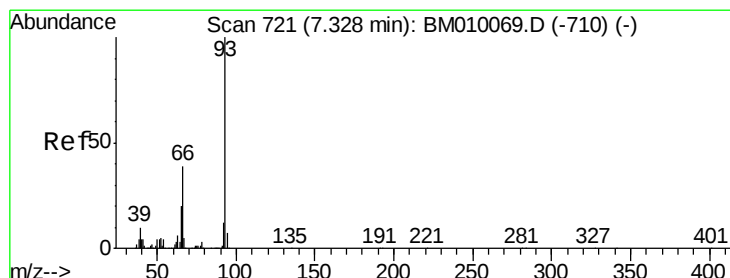
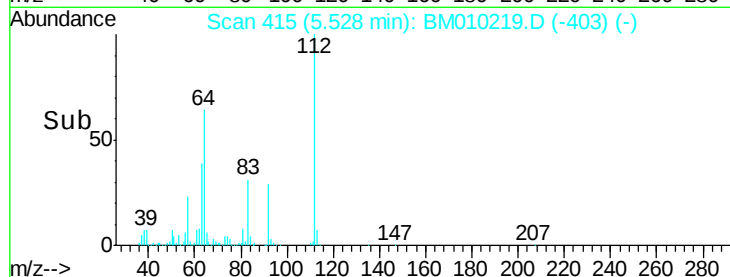
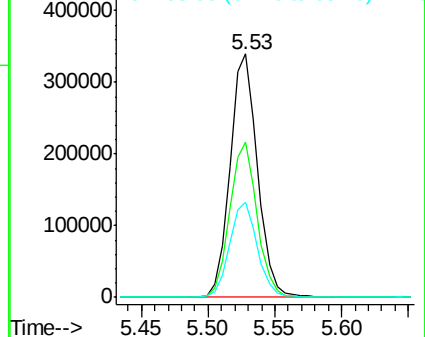
63 38.8 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#6

Aniline

Concen: 25.98 ng

RT: 7.30 min Scan# 716

Delta R.T. -0.03 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

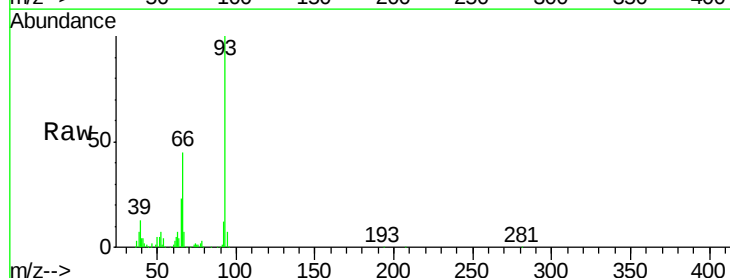
Tgt Ion: 93 Resp: 301950

Ion Ratio Lower Upper

93 100

66 44.9 30.8 46.2

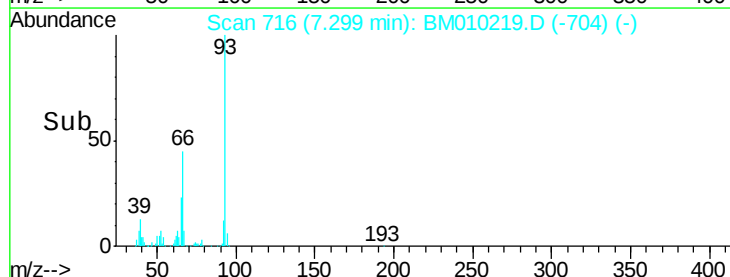
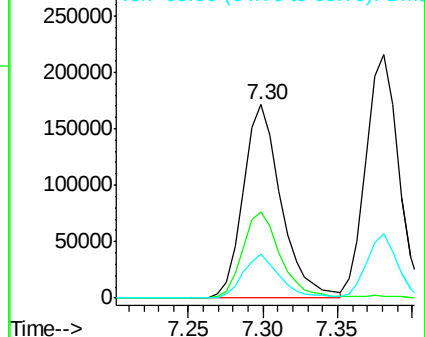
65 22.5 16.0 24.0

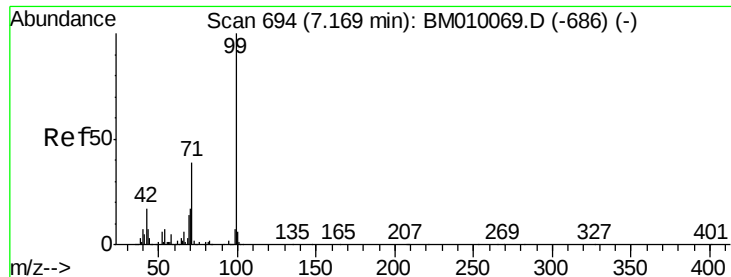


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 39.86 ng

RT: 7.13 min Scan# 688

Delta R.T. -0.04 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

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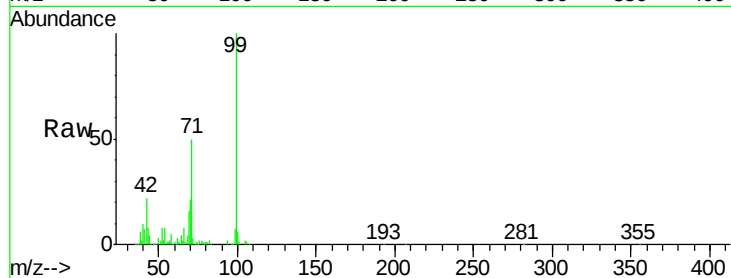
Tgt Ion: 99 Resp: 373917

Ion Ratio Lower Upper

99 100

42 21.8 11.0 16.4#

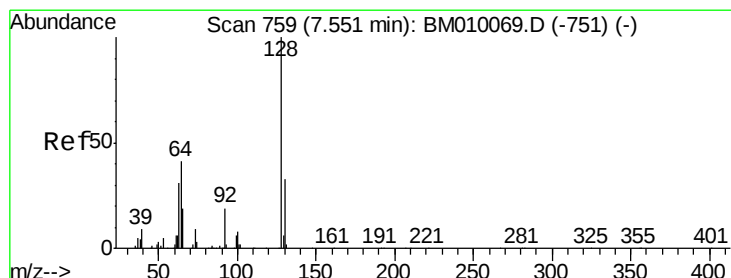
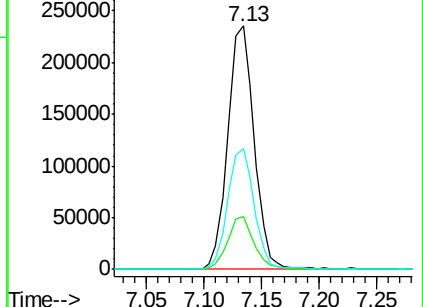
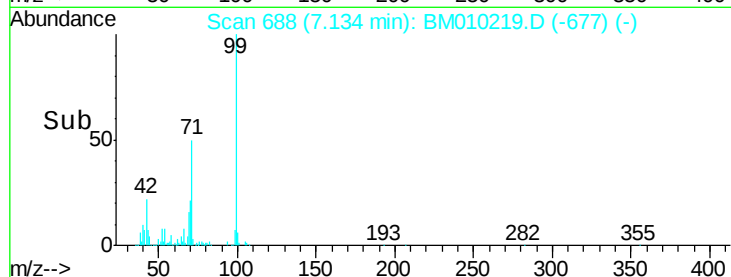
71 49.6 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM010219.D (-677) (-)

Ion 42.00 (41.70 to 42.70): BM010219.D (-677) (-)

Ion 71.00 (70.70 to 71.70): BM010219.D (-677) (-)



#8

2-Chlorophenol

Concen: 36.88 ng

RT: 7.52 min Scan# 753

Delta R.T. -0.04 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

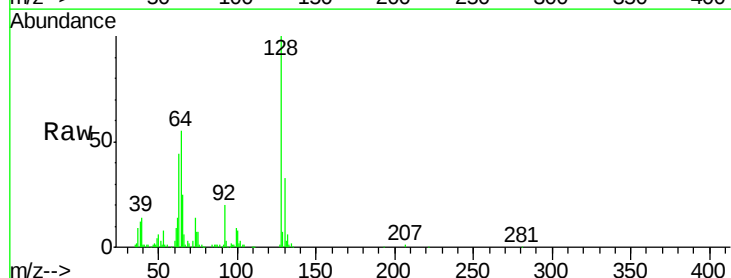
Tgt Ion: 128 Resp: 292538

Ion Ratio Lower Upper

128 100

130 33.3 12.0 52.0

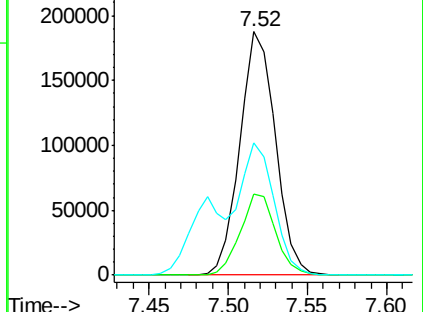
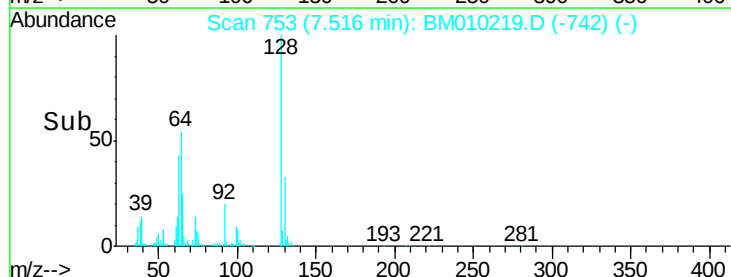
64 54.6 24.9 64.9

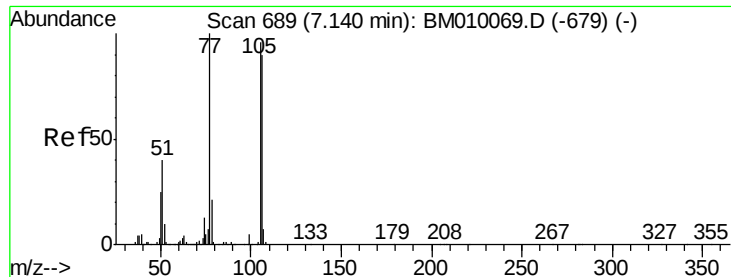


Abundance Ion 128.00 (127.70 to 128.70): BM010219.D (-742) (-)

Ion 130.00 (129.70 to 130.70): BM010219.D (-742) (-)

Ion 64.00 (63.70 to 64.70): BM010219.D (-742) (-)





#9

Benzaldehyde

Concen: 16.83 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.04 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

Instrument :

BNA_M

ClientSampleId :

RAV-GT-104MSD

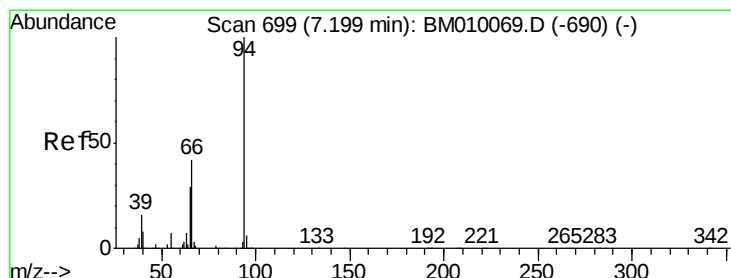
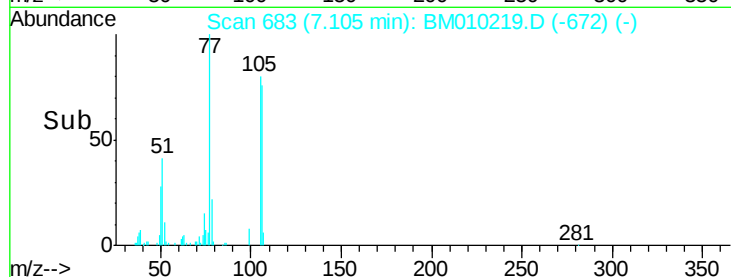
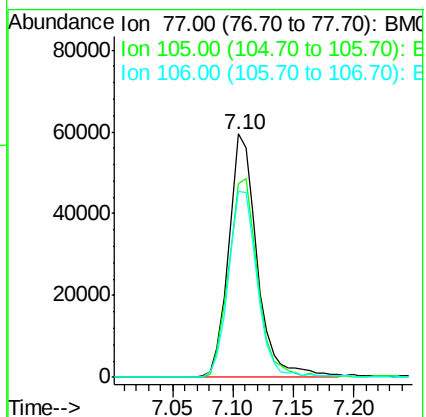
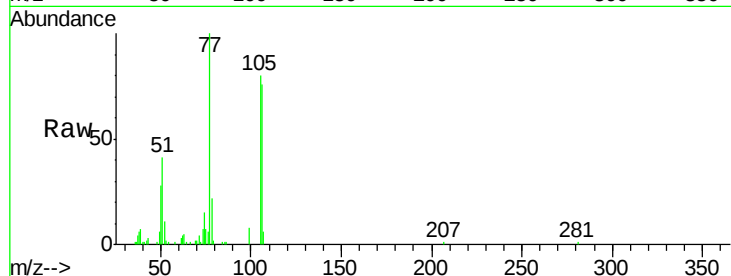
Tgt Ion: 77 Resp: 98272

Ion Ratio Lower Upper

77 100

105 79.8 78.8 118.8

106 76.4 73.7 113.7



#10

Phenol

Concen: 13.82 ng

RT: 7.16 min Scan# 692

Delta R.T. -0.04 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

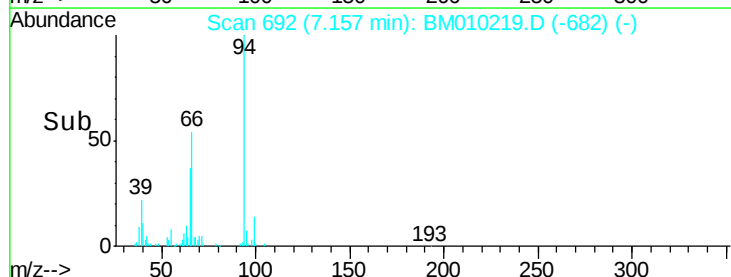
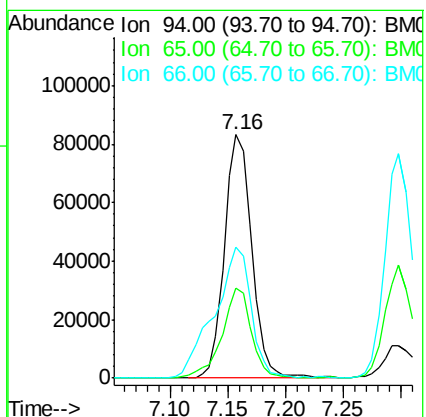
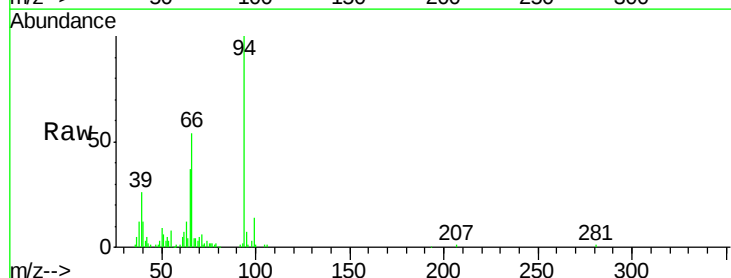
Tgt Ion: 94 Resp: 136583

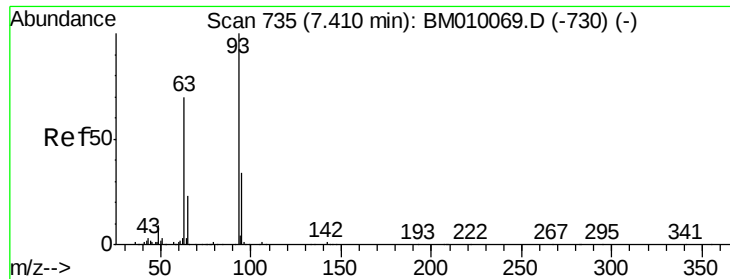
Ion Ratio Lower Upper

94 100

65 37.0 18.8 58.8

66 53.9 39.9 79.9

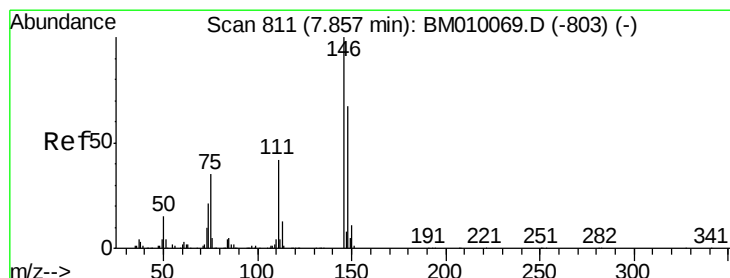
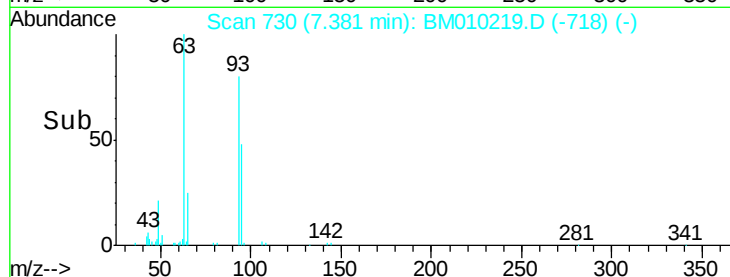
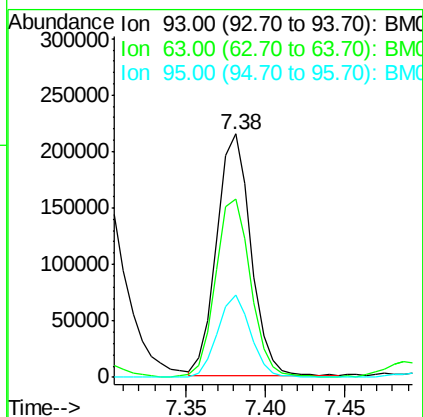
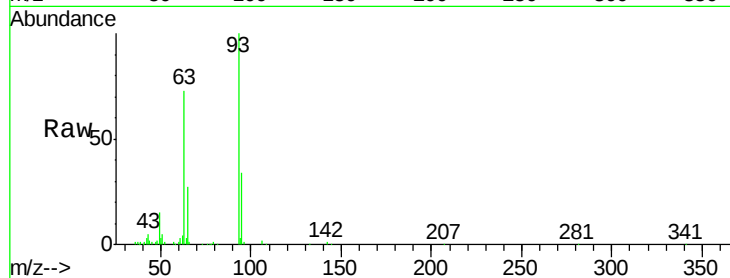




#11
bis(2-Chloroethyl)ether
Concen: 43.47 ng
RT: 7.38 min Scan# 730
Delta R.T. -0.03 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

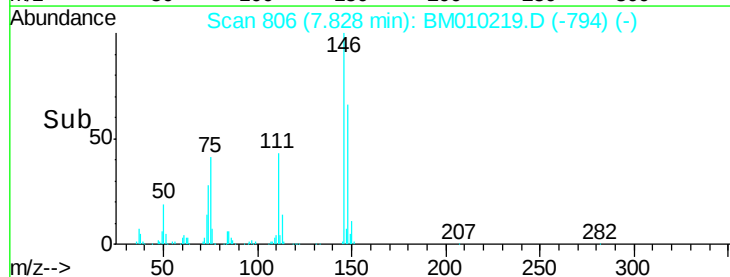
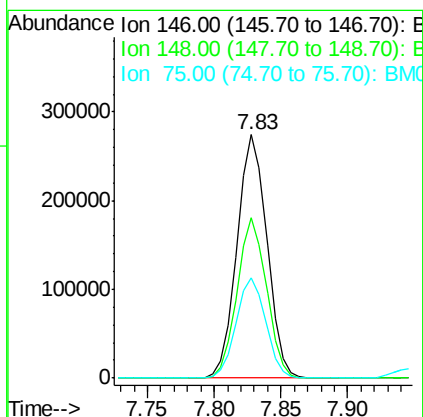
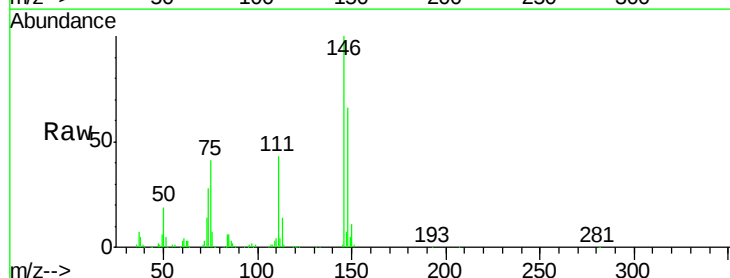
Instrument :
BNA_M
ClientSampleId :
RAV-GT-104MSD

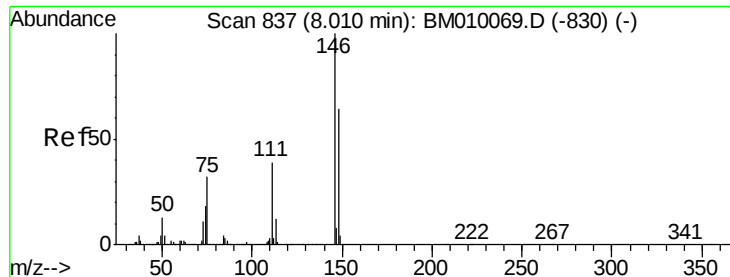
Tgt Ion	Ratio	Lower	Upper
93	100		
63	73.2	49.5	89.5
95	33.6	13.5	53.5



#12
1,3-Dichlorobenzene
Concen: 42.24 ng
RT: 7.83 min Scan# 806
Delta R.T. -0.03 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.9	50.9	76.3
75	41.1	21.4	32.2

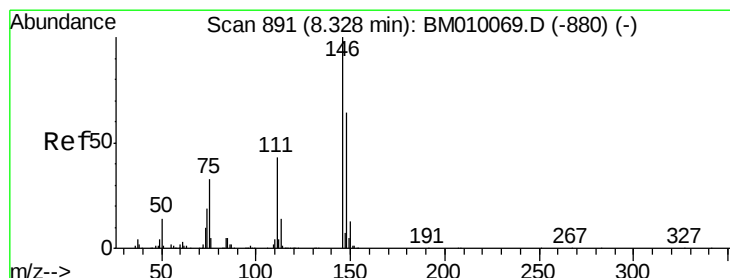
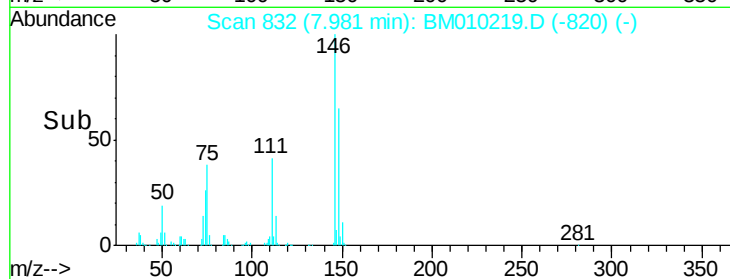
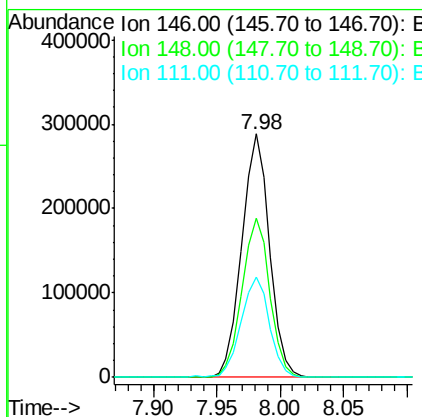
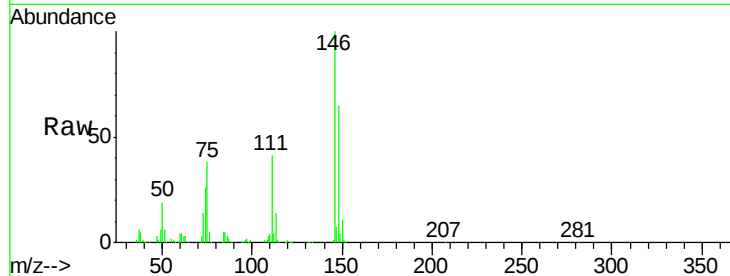




#13
 1,4-Dichlorobenzene
 Concen: 42.22 ng
 RT: 7.98 min Scan# 832
 Delta R.T. -0.03 min
 Lab File: BM010219.D
 Acq: 25 May 2017 16:20

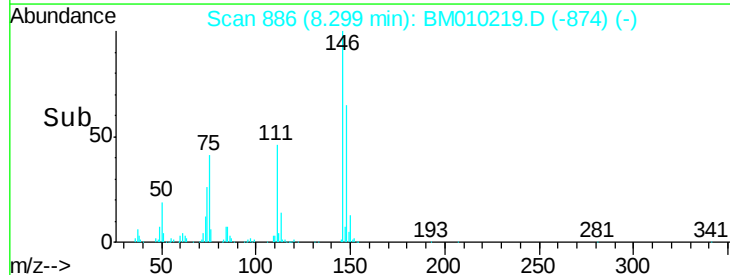
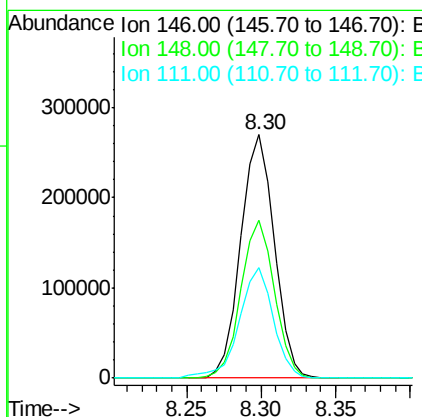
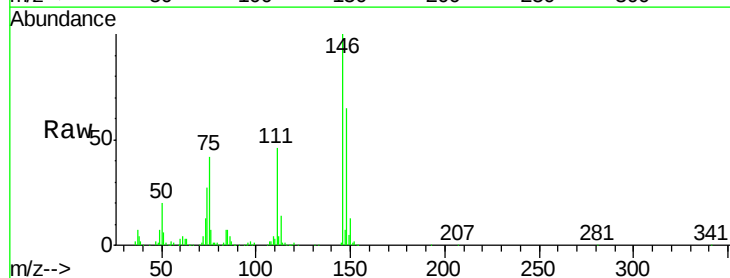
Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-104MSD

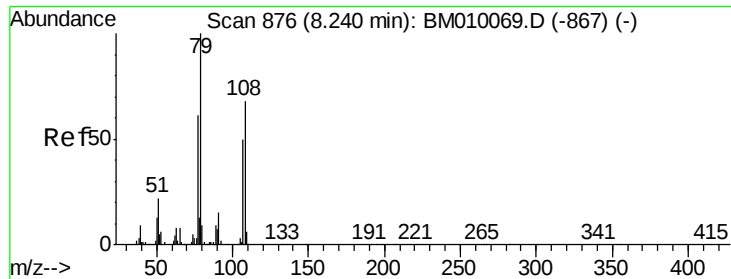
Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.9	77.9
111	41.1	29.2	43.8



#14
 1,2-Dichlorobenzene
 Concen: 42.42 ng
 RT: 8.30 min Scan# 886
 Delta R.T. -0.03 min
 Lab File: BM010219.D
 Acq: 25 May 2017 16:20

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.3	78.5
111	45.5	30.6	45.8





#15

Benzyl Alcohol

Concen: 30.10 ng

RT: 8.20 min Scan# 870

Delta R.T. -0.04 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

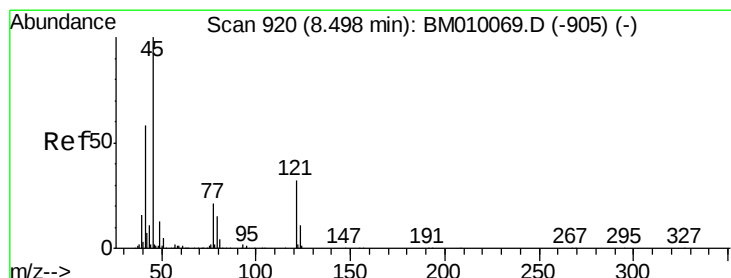
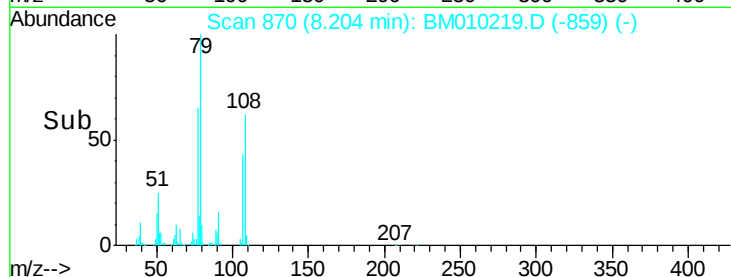
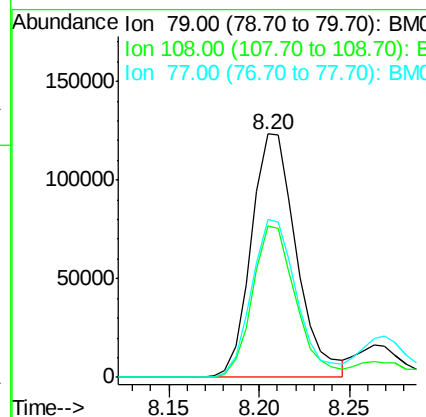
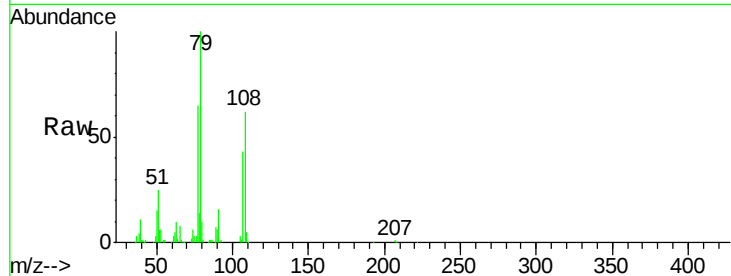
Instrument :

BNA_M

ClientSampleId :

RAV-GT-104MSD

Tgt Ion:	79	Resp:	213602
Ion	Ratio	Lower	Upper
79	100		
108	62.3	65.0	97.4#
77	64.9	53.0	79.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.82 ng

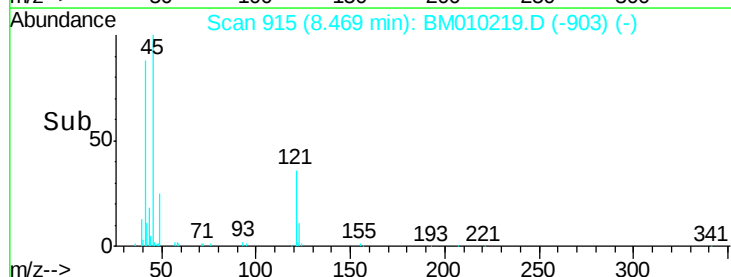
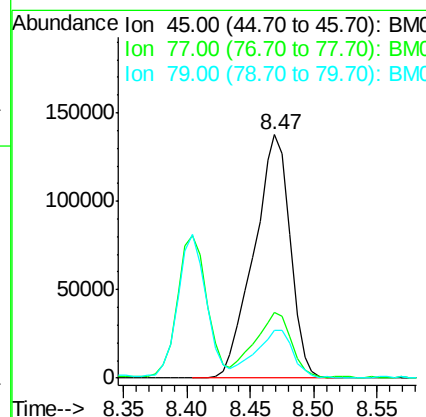
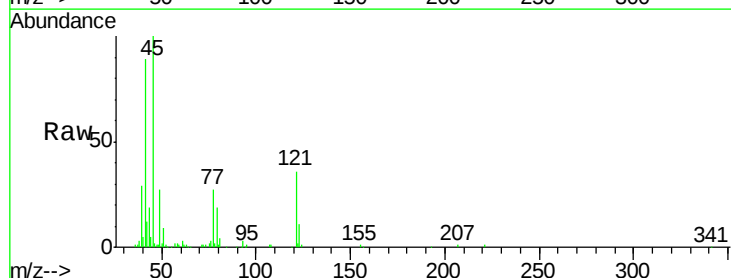
RT: 8.47 min Scan# 915

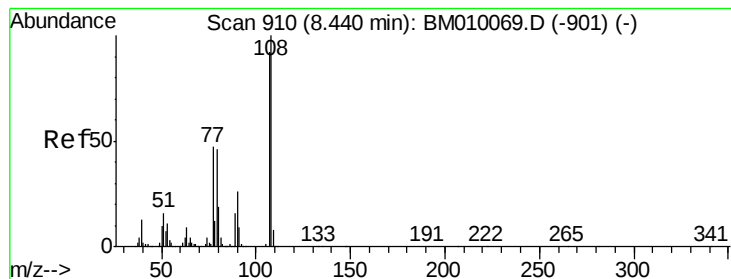
Delta R.T. -0.03 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

Tgt Ion:	45	Resp:	274030
Ion	Ratio	Lower	Upper
45	100		
77	27.2	0.0	35.2
79	19.5	0.0	32.0





#17

2-Methylphenol

Concen: 29.06 ng

RT: 8.40 min Scan# 904

Delta R.T. -0.04 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

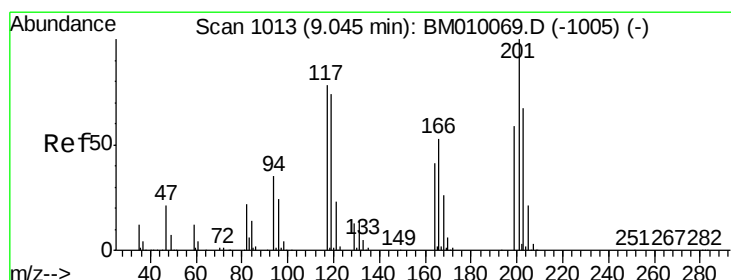
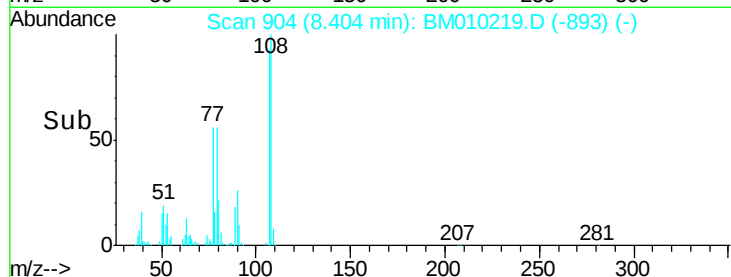
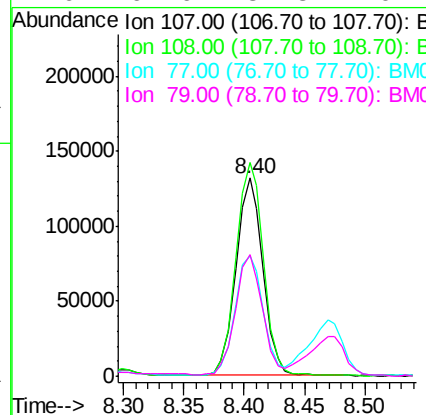
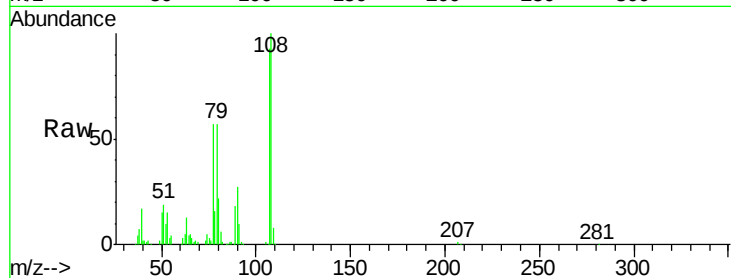
Instrument :

BNA_M

ClientSampleId :

RAV-GT-104MSD

Tgt Ion:	107	Resp:	204393
Ion	Ratio	Lower	Upper
107	100		
108	107.7	89.8	134.8
77	61.0	32.6	48.8#
79	61.6	32.8	49.2#



#18

Hexachloroethane

Concen: 44.46 ng

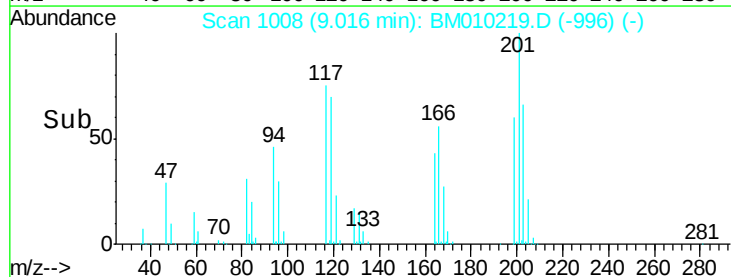
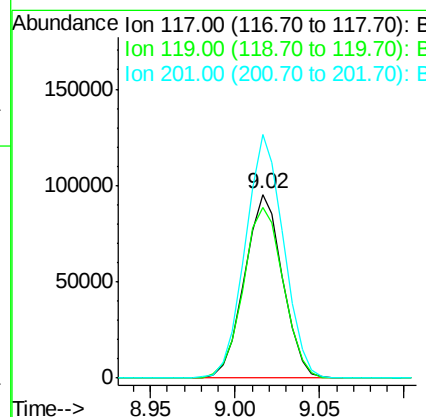
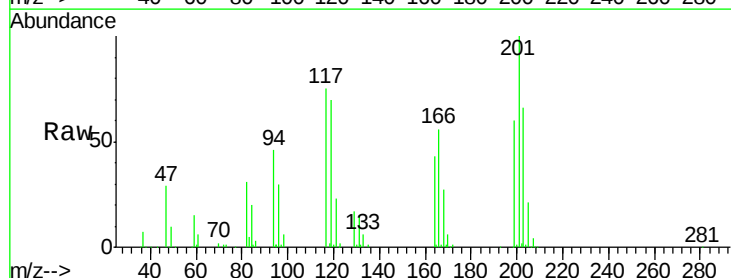
RT: 9.02 min Scan# 1008

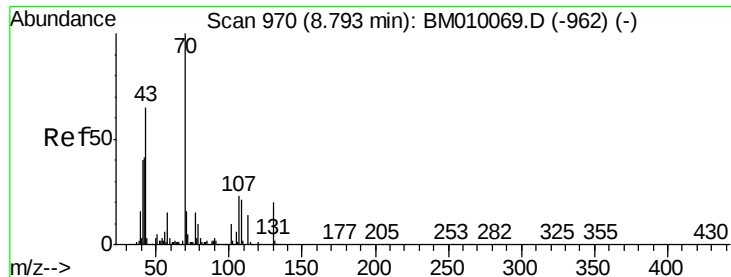
Delta R.T. -0.03 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

Tgt Ion:	117	Resp:	149230
Ion	Ratio	Lower	Upper
117	100		
119	92.8	79.2	118.8
201	132.6	69.8	104.6#

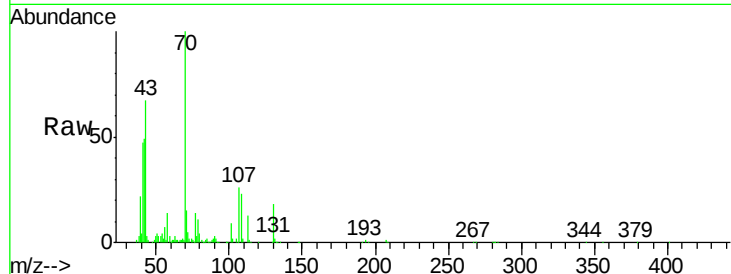




#19
n-Nitroso-di-n-propylamine
Concen: 49.08 ng
RT: 8.75 min Scan# 963
Delta R.T. -0.04 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

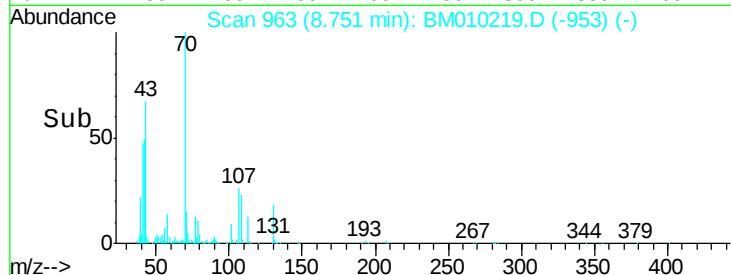
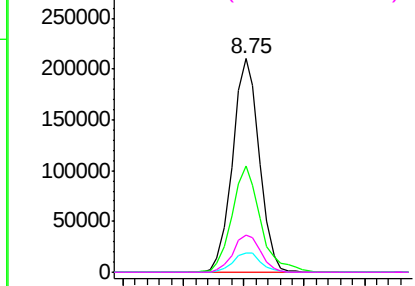
Instrument :
BNA_M
ClientSampleId :
RAV-GT-104MSD

Tgt Ion:	70	Resp:	324940
Ion	Ratio	Lower	Upper
70	100		
42	49.5	44.5	66.7
101	9.2	7.4	11.2
130	17.6	15.3	22.9



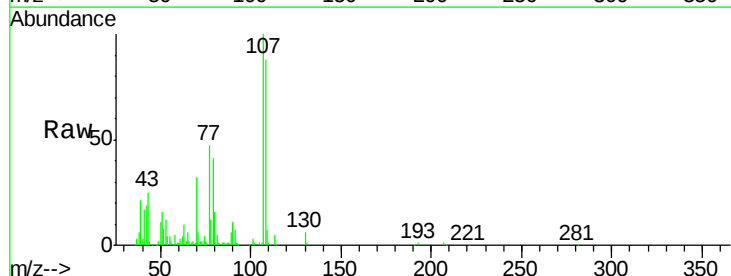
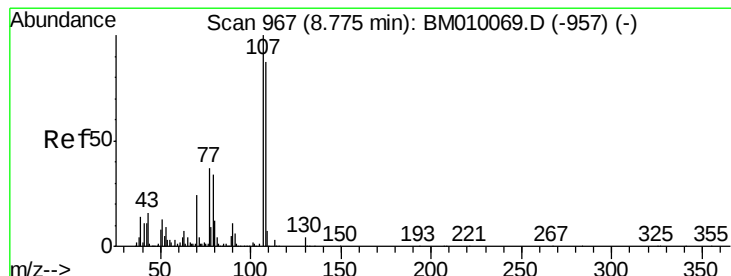
Abundance

Ion 70.00 (69.70 to 70.70): BM010069.D (-962) (-)



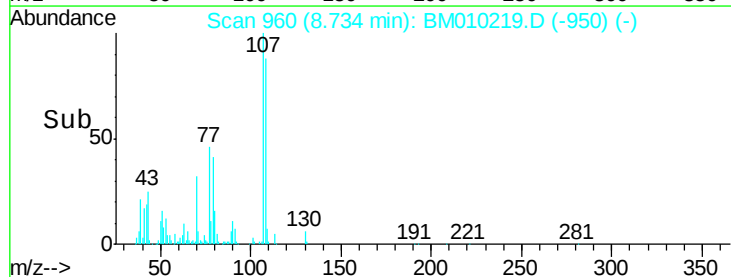
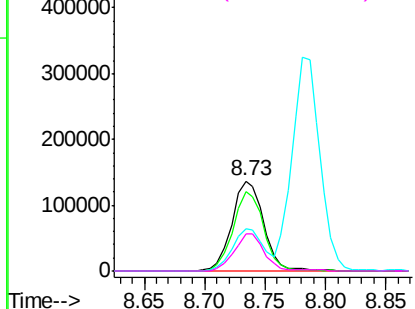
#20
3+4-Methylphenols
Concen: 26.40 ng
RT: 8.73 min Scan# 960
Delta R.T. -0.04 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

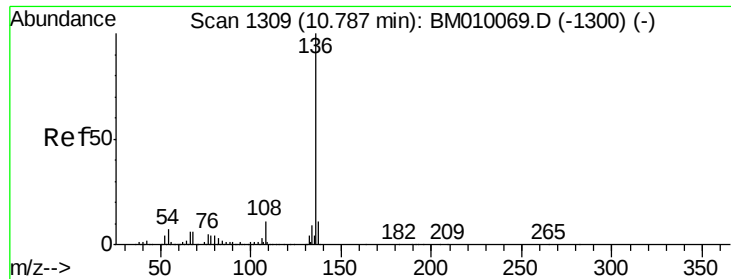
Tgt Ion:	107	Resp:	250810
Ion	Ratio	Lower	Upper
107	100		
108	87.9	73.2	113.2
77	46.6	10.7	50.7
79	40.9	9.6	49.6



Abundance

Ion 107.00 (106.70 to 107.70): BM010069.D (-957) (-)

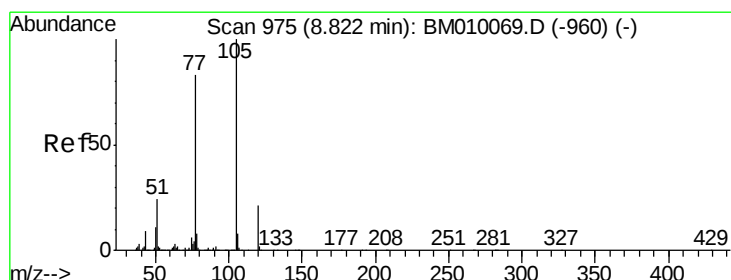
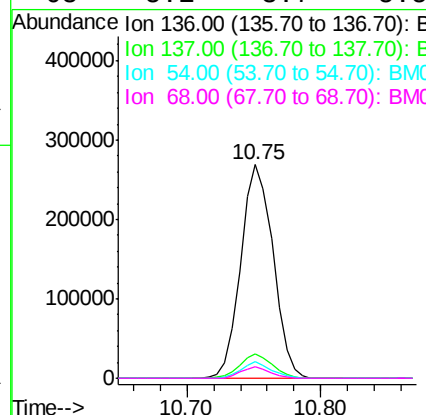
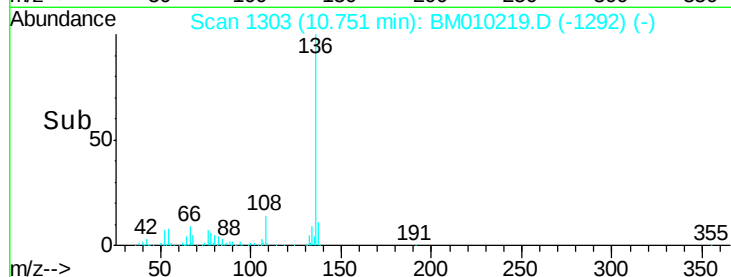
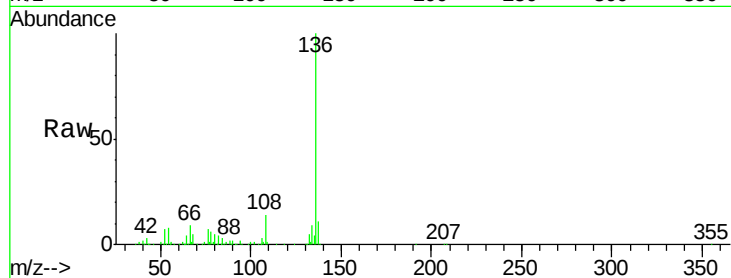




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.75 min Scan# 1303
Delta R.T. -0.04 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

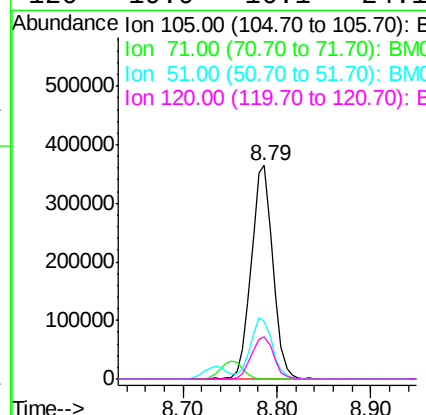
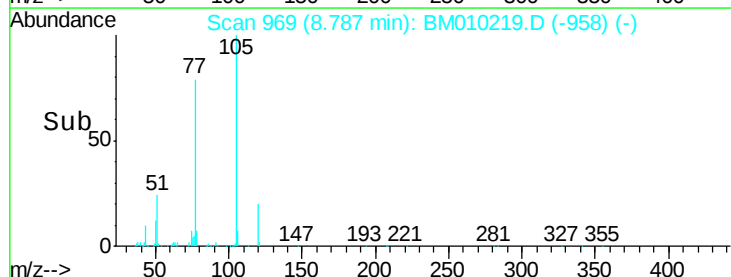
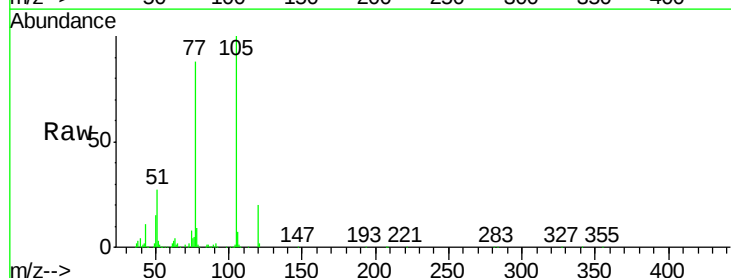
Instrument :
BNA_M
ClientSampleId :
RAV-GT-104MSD

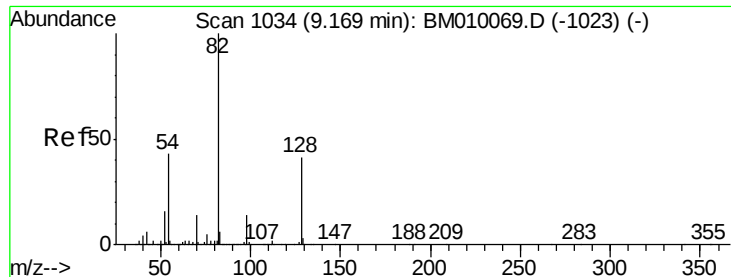
Tgt Ion:	136	Resp:	449482
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	7.9	4.6	6.8#
68	5.1	3.7	5.5



#22
Acetophenone
Concen: 50.45 ng
RT: 8.79 min Scan# 969
Delta R.T. -0.04 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

Tgt Ion:	105	Resp:	581267
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.6	1.0#
51	27.3	21.6	32.4
120	19.9	16.1	24.1

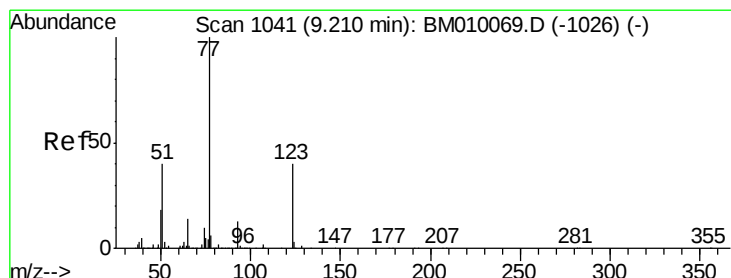
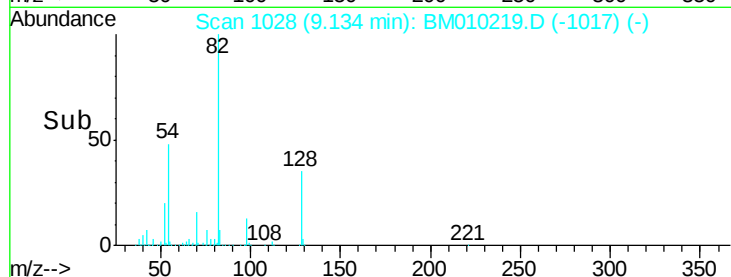
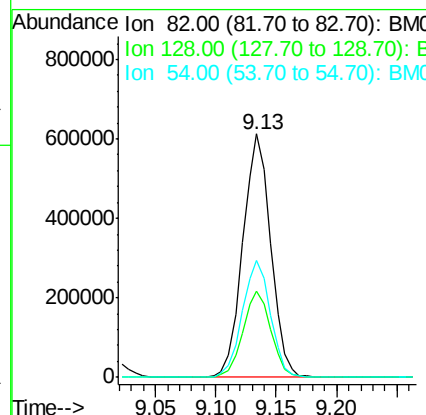
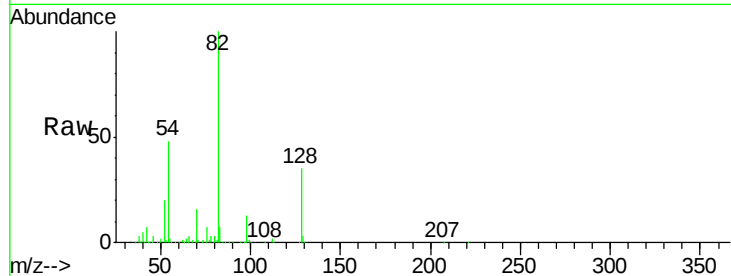




#23
 Nitrobenzene-d5
 Concen: 119.05 ng
 RT: 9.13 min Scan# 1028
 Delta R.T. -0.04 min
 Lab File: BM010219.D
 Acq: 25 May 2017 16:20

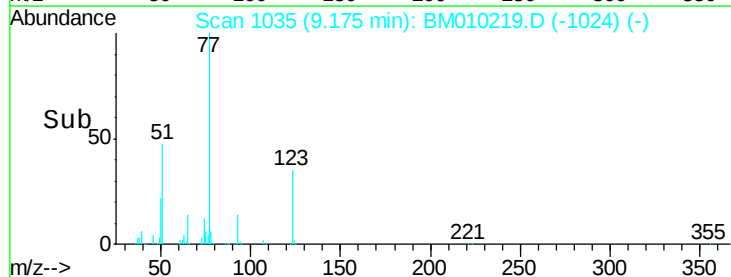
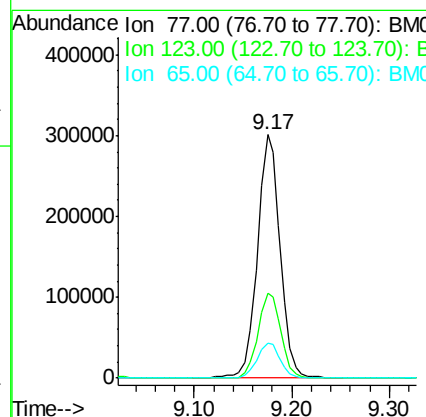
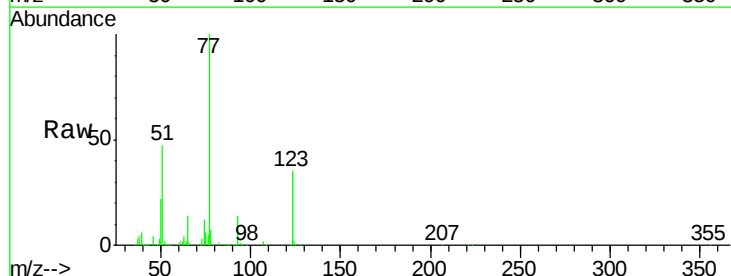
Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-104MSD

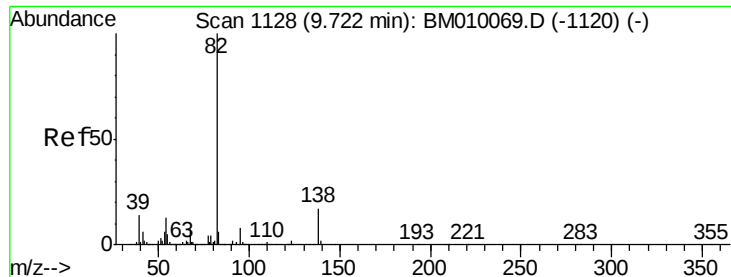
Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.3	32.8	49.2
54	48.0	40.6	60.8



#24
 Nitrobenzene
 Concen: 57.59 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.04 min
 Lab File: BM010219.D
 Acq: 25 May 2017 16:20

Tgt Ion	Ratio	Lower	Upper
77	100		
123	35.0	32.6	49.0
65	14.4	10.9	16.3

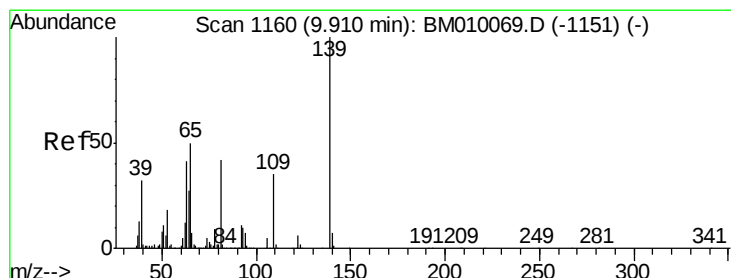
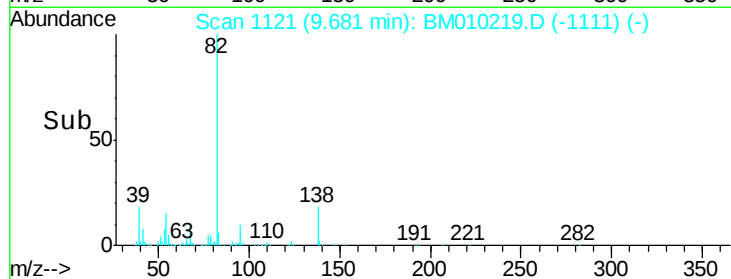
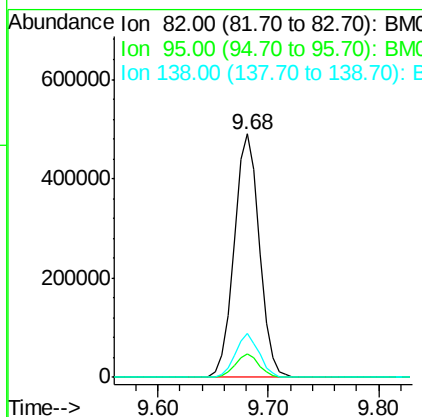
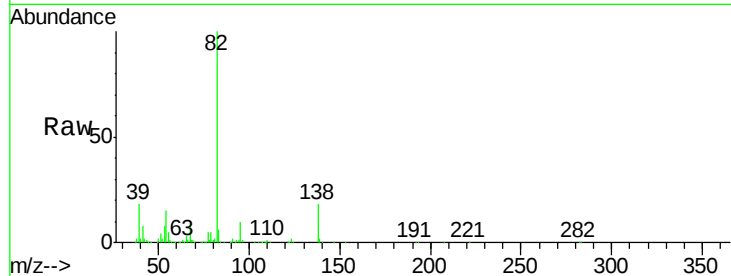




#25
Isophorone
Concen: 54.62 ng
RT: 9.68 min Scan# 1121
Delta R.T. -0.04 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

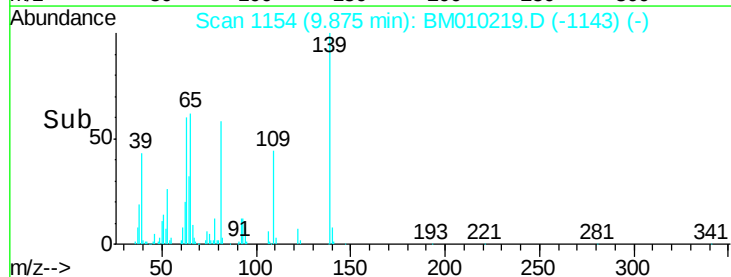
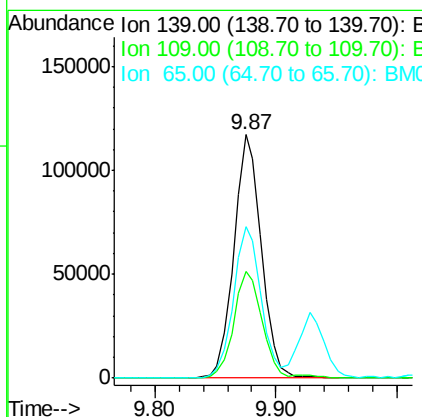
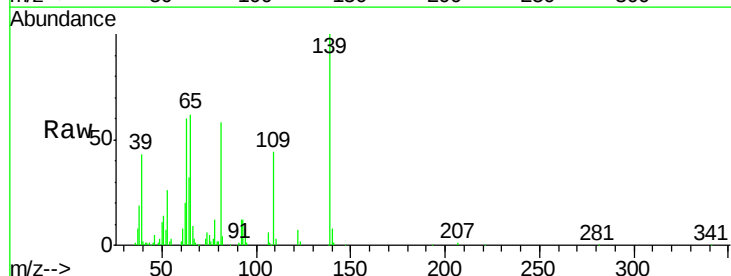
Instrument :
BNA_M
ClientSampleId :
RAV-GT-104MSD

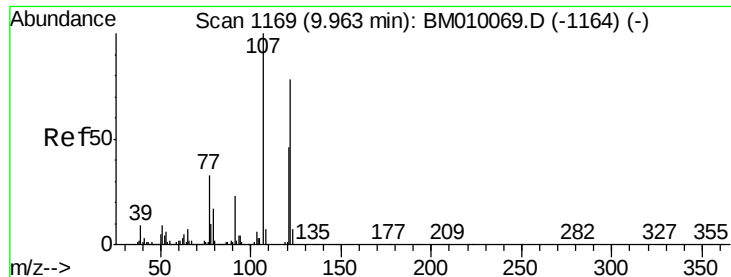
Tgt Ion: 82 Resp: 786302
Ion Ratio Lower Upper
82 100
95 9.8 5.8 8.6#
138 18.1 16.3 24.5



#26
2-Nitrophenol
Concen: 51.17 ng
RT: 9.87 min Scan# 1154
Delta R.T. -0.04 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

Tgt Ion: 139 Resp: 185127
Ion Ratio Lower Upper
139 100
109 43.9 20.1 30.1#
65 62.1 31.5 47.3#

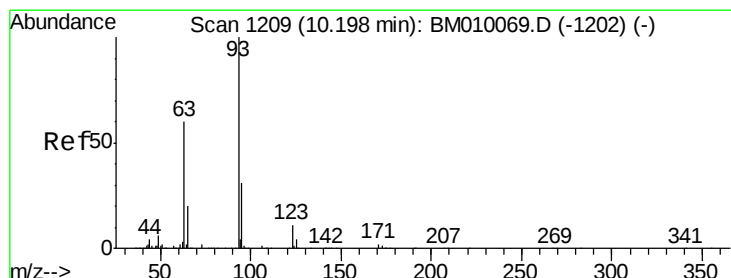
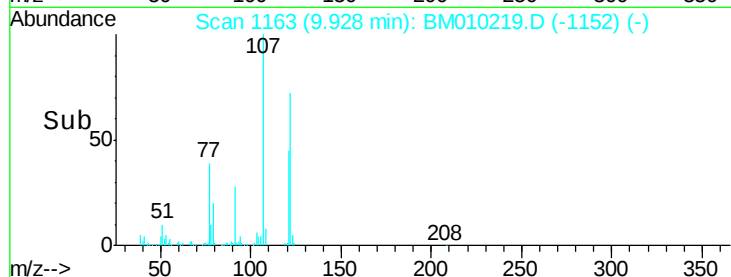
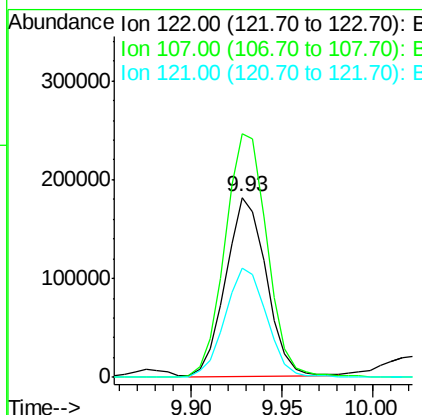
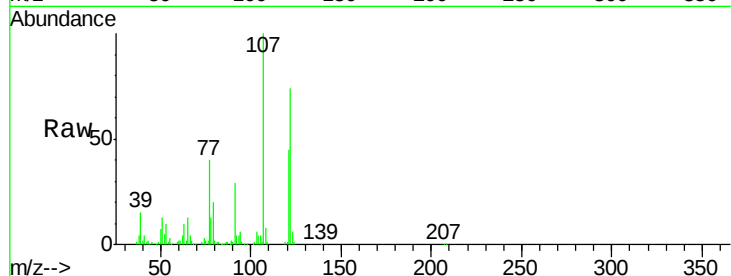




#27
 2,4-Dimethylphenol
 Concen: 42.91 ng
 RT: 9.93 min Scan# 1163
 Delta R.T. -0.04 min
 Lab File: BM010219.D
 Acq: 25 May 2017 16:20

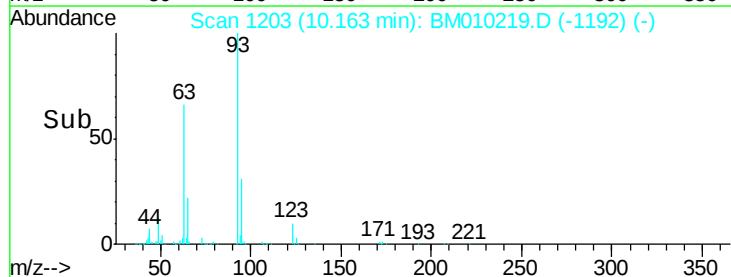
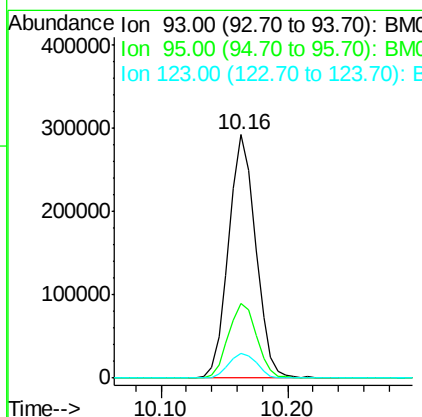
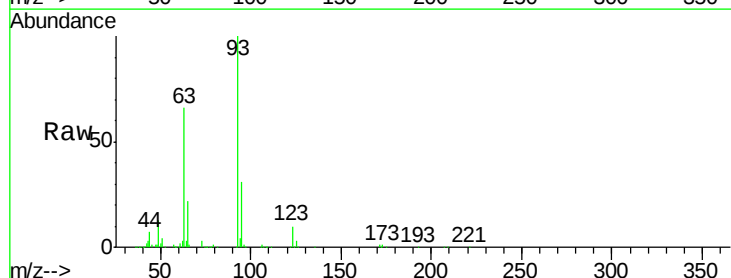
Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-104MSD

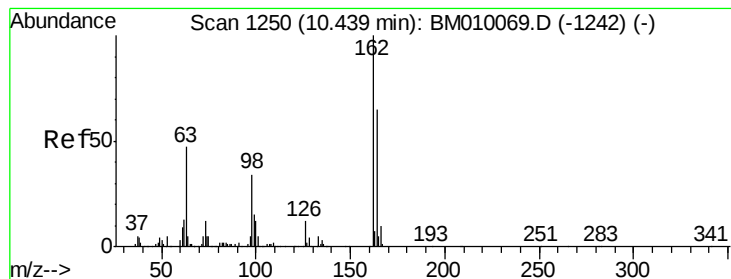
Tgt Ion	Ratio	Lower	Upper
122	100		
107	135.5	84.7	127.1#
121	60.9	46.6	69.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 47.55 ng
 RT: 10.16 min Scan# 1203
 Delta R.T. -0.04 min
 Lab File: BM010219.D
 Acq: 25 May 2017 16:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	30.7	25.5	38.3
123	10.2	8.6	13.0





#29

2,4-Dichlorophenol

Concen: 50.32 ng

RT: 10.40 min Scan# 1244

Delta R.T. -0.04 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

Instrument :

BNA_M

ClientSampleId :

RAV-GT-104MSD

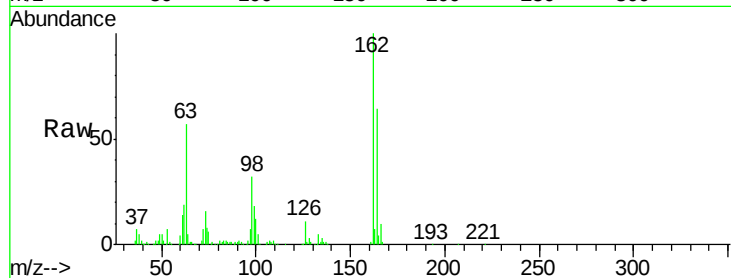
Tgt Ion:162 Resp: 378477

Ion Ratio Lower Upper

162 100

164 63.6 42.8 82.8

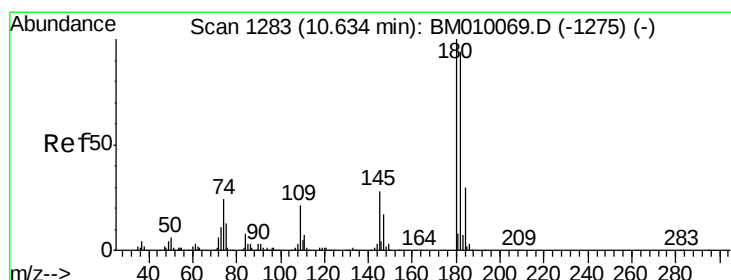
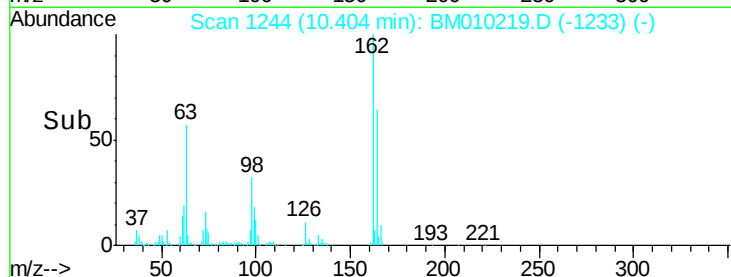
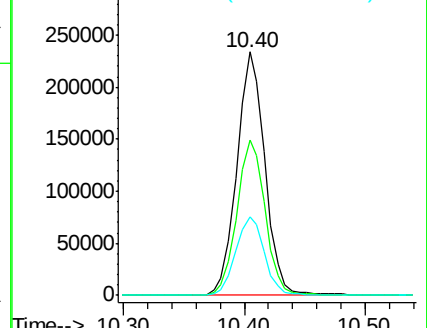
98 32.2 14.5 54.5



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): E



#30

1,2,4-Trichlorobenzene

Concen: 49.43 ng

RT: 10.60 min Scan# 1278

Delta R.T. -0.03 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

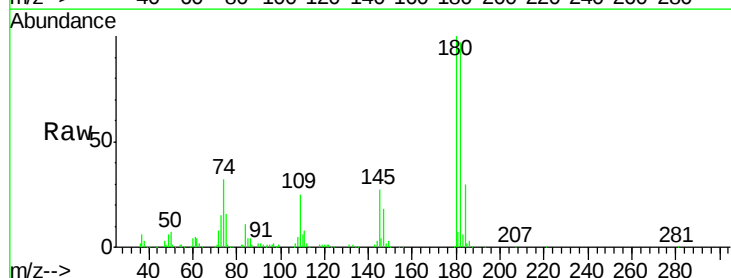
Tgt Ion:180 Resp: 481027

Ion Ratio Lower Upper

180 100

182 97.2 77.6 116.4

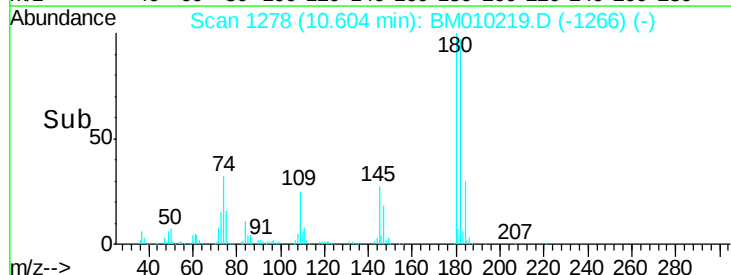
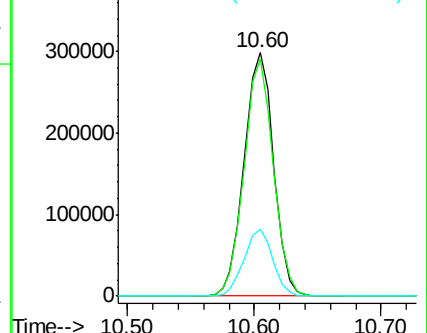
145 27.3 23.4 35.2

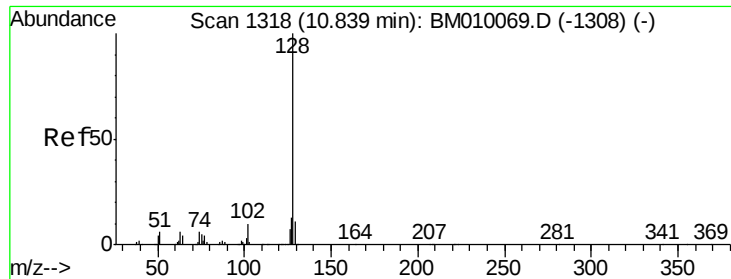


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

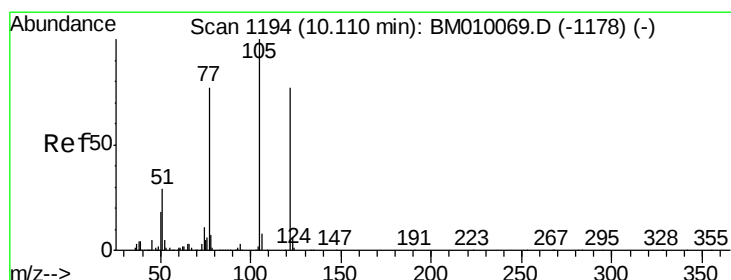
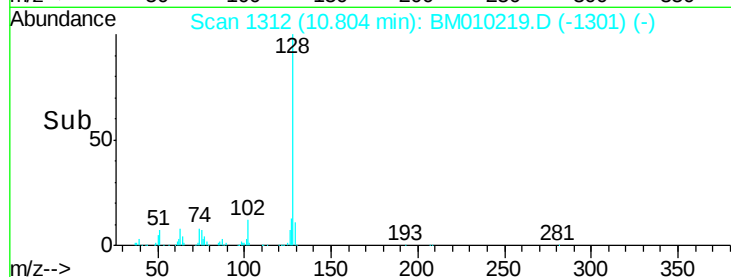
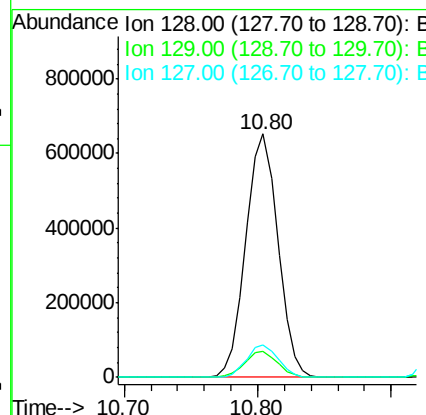
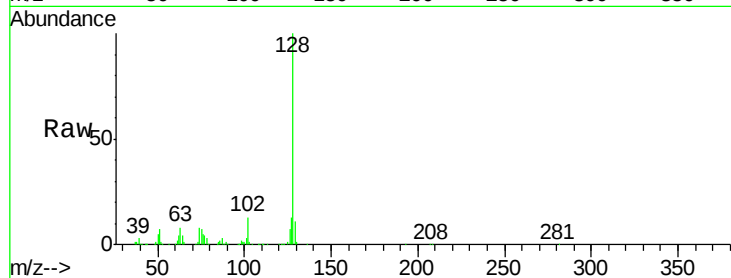




#31
Naphthalene
Concen: 45.08 ng
RT: 10.80 min Scan# 1312
Delta R.T. -0.04 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

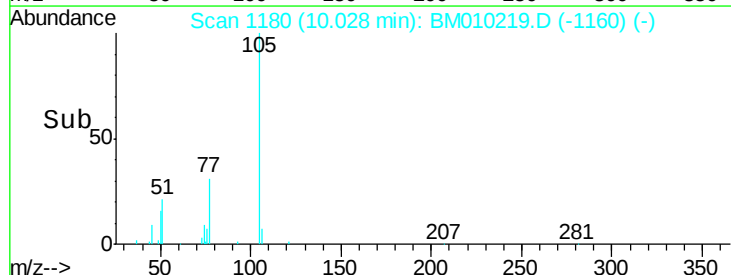
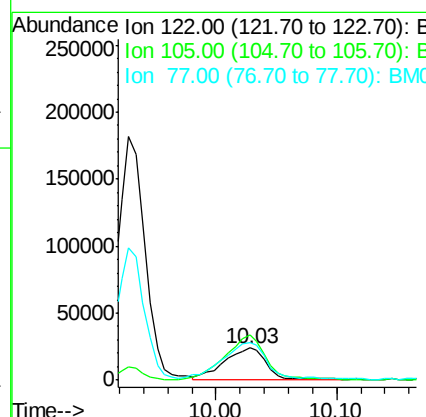
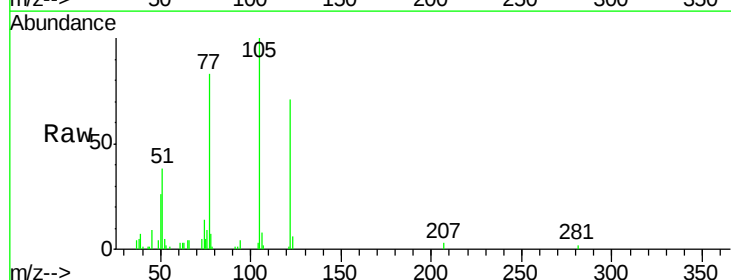
Instrument :
BNA_M
ClientSampleId :
RAV-GT-104MSD

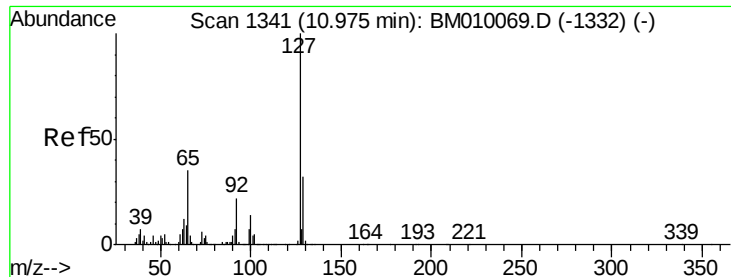
Tgt Ion:128 Resp: 1083986
Ion Ratio Lower Upper
128 100
129 10.6 8.9 13.3
127 13.1 10.4 15.6



#32
Benzoic acid
Concen: 12.47 ng
RT: 10.03 min Scan# 1180
Delta R.T. -0.08 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

Tgt Ion:122 Resp: 55505
Ion Ratio Lower Upper
122 100
105 141.5 99.9 139.9#
77 116.9 73.7 113.7#

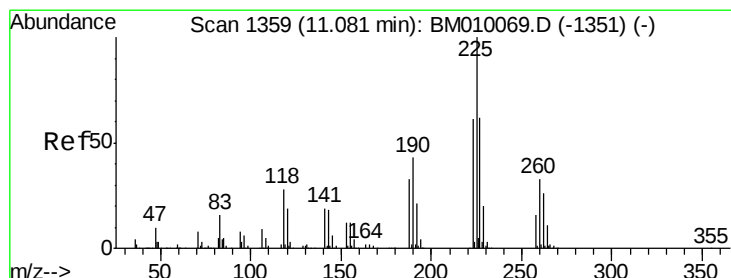
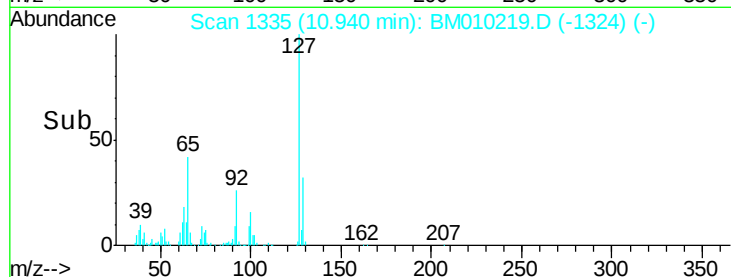
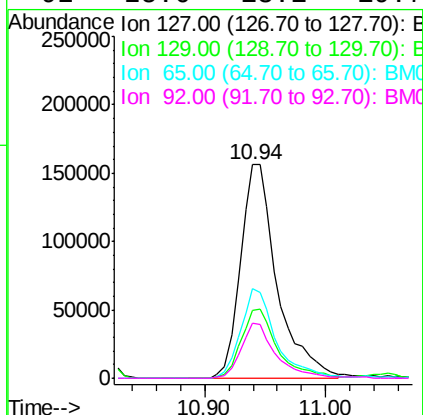
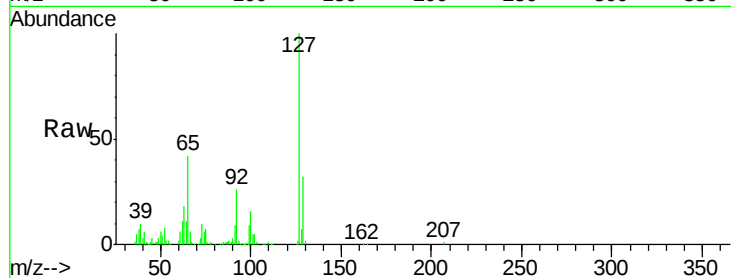




#33
4-Chloroaniline
Concen: 35.52 ng
RT: 10.94 min Scan# 1335
Delta R.T. -0.04 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

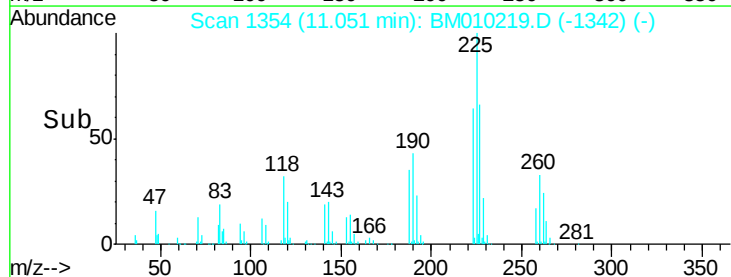
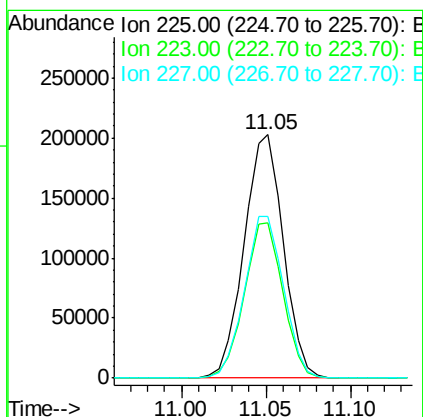
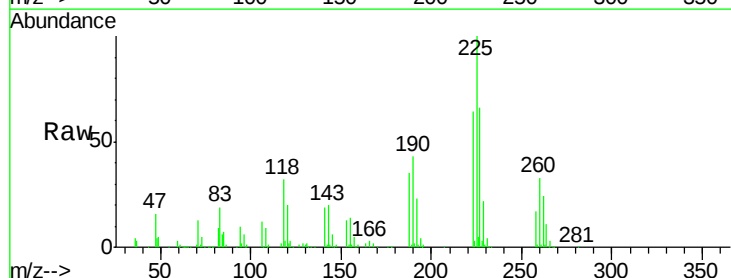
Instrument :
BNA_M
ClientSampleId :
RAV-GT-104MSD

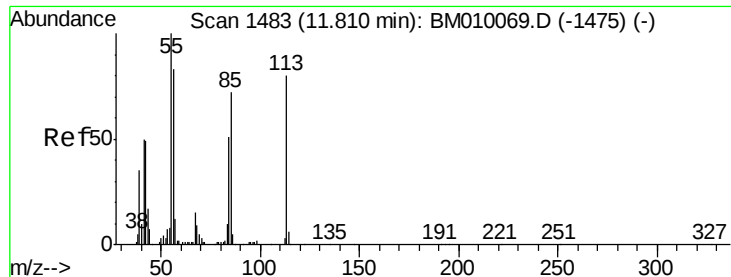
Tgt Ion:	127	Resp:	329023
Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.3	37.9
65	41.9	17.6	26.4
92	25.6	13.1	19.7



#34
Hexachlorobutadiene
Concen: 50.43 ng
RT: 11.05 min Scan# 1354
Delta R.T. -0.03 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

Tgt Ion:	225	Resp:	327378
Ion	Ratio	Lower	Upper
225	100		
223	63.7	47.9	71.9
227	66.2	50.1	75.1





#35

Caprolactam

Concen: 4.98 ng

RT: 11.76 min Scan# 1475

Delta R.T. -0.05 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

Instrument :

BNA_M

ClientSampleId :

RAV-GT-104MSD

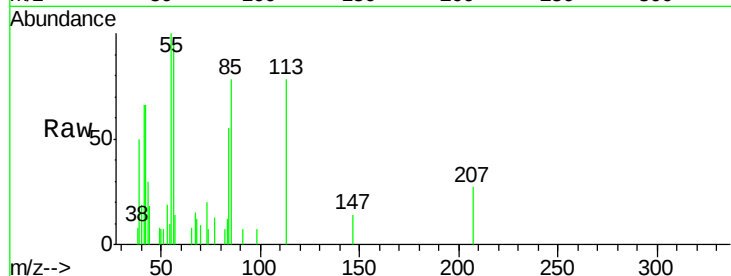
Tgt Ion:113 Resp: 10746

Ion Ratio Lower Upper

113 100

55 129.0 145.9 185.9#

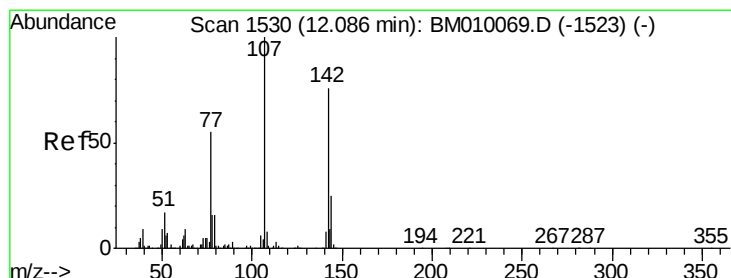
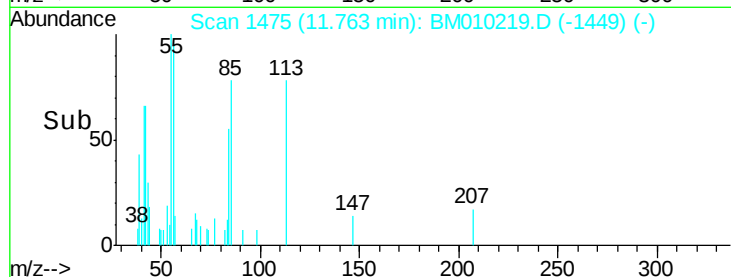
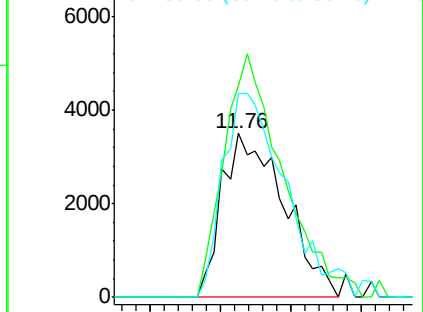
56 124.2 101.0 141.0



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 40.40 ng

RT: 12.05 min Scan# 1524

Delta R.T. -0.04 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

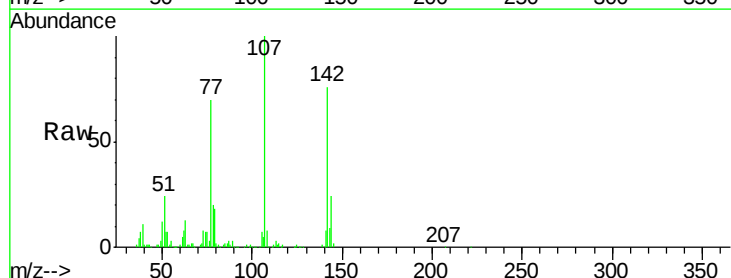
Tgt Ion:107 Resp: 329069

Ion Ratio Lower Upper

107 100

144 24.5 23.3 34.9

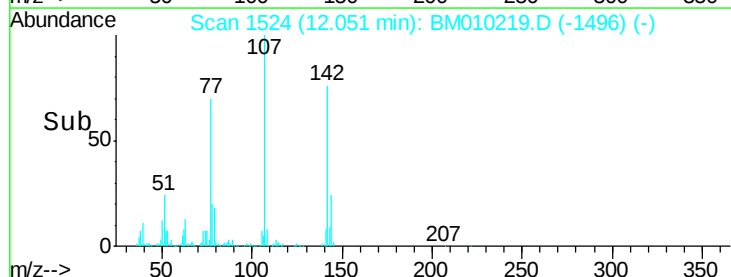
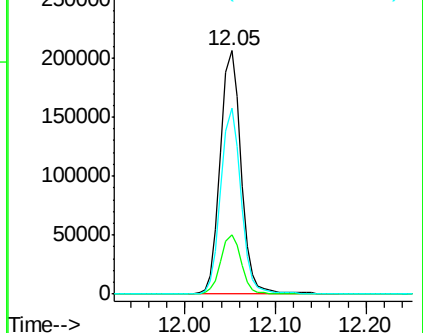
142 76.2 72.6 109.0

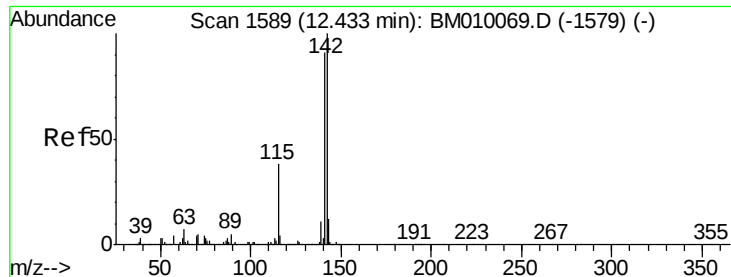


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

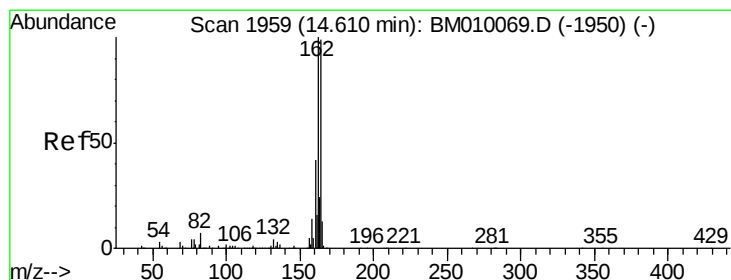
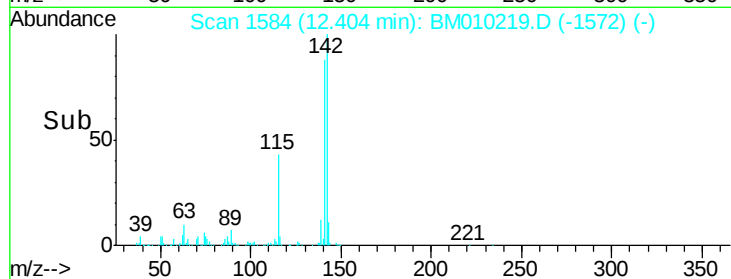
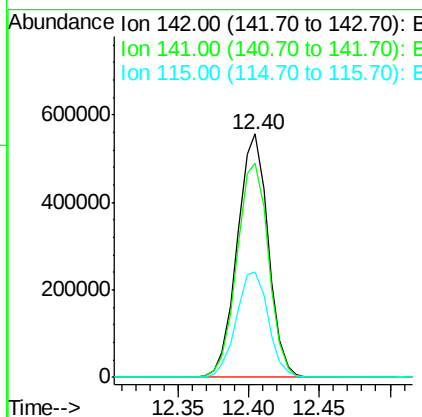
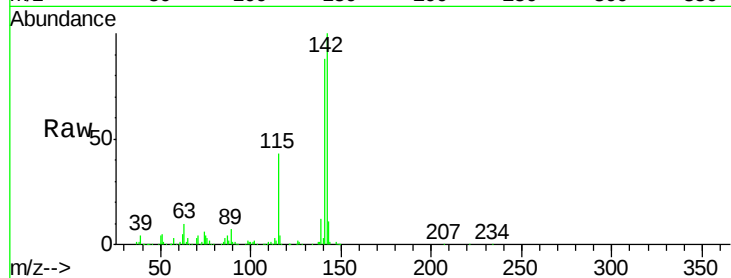




#37
 2-Methylnaphthalene
 Concen: 49.19 ng
 RT: 12.40 min Scan# 1584
 Delta R.T. -0.03 min
 Lab File: BM010219.D
 Acq: 25 May 2017 16:20

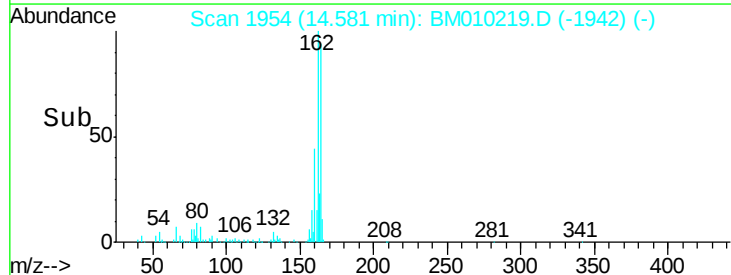
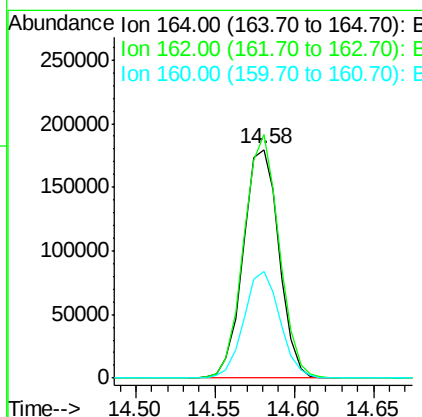
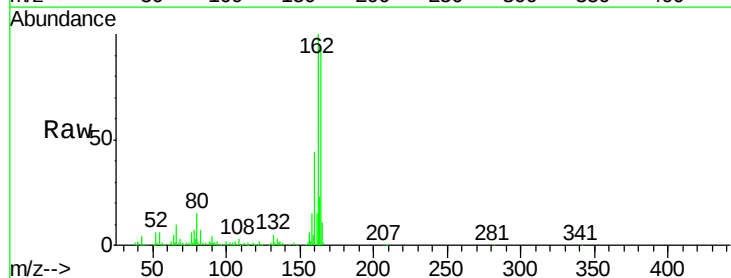
Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-104MSD

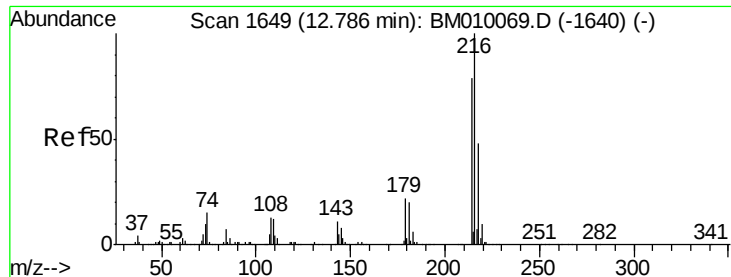
Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.9	107.9
115	43.4	25.4	38.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.58 min Scan# 1954
 Delta R.T. -0.03 min
 Lab File: BM010219.D
 Acq: 25 May 2017 16:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.5	82.4	123.6
160	46.6	35.8	53.6

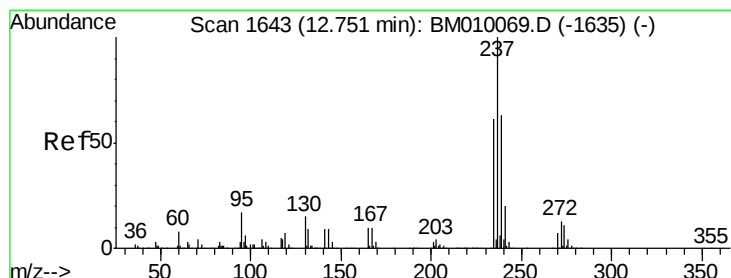
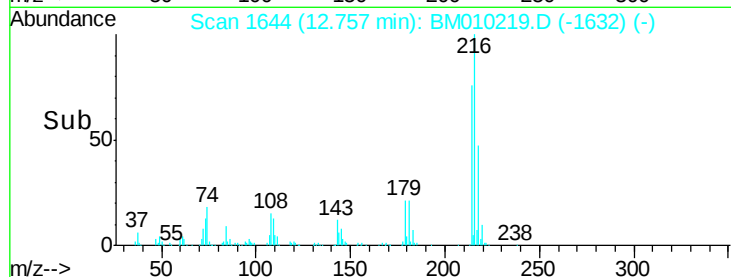
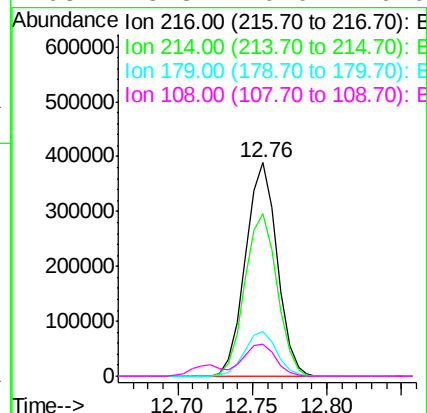
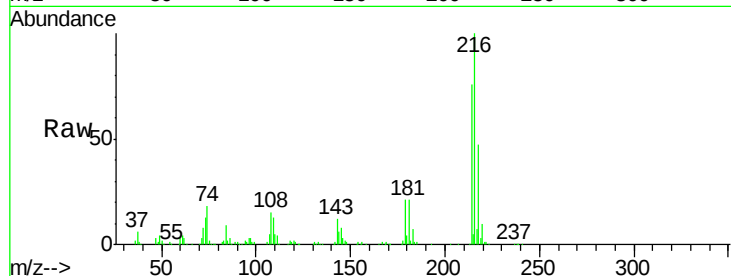




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 52.64 ng
 RT: 12.76 min Scan# 1644
 Delta R.T. -0.03 min
 Lab File: BM010219.D
 Acq: 25 May 2017 16:20

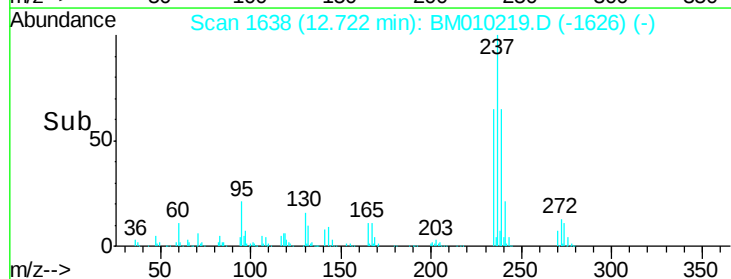
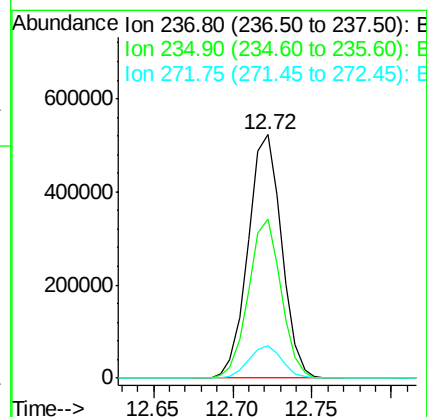
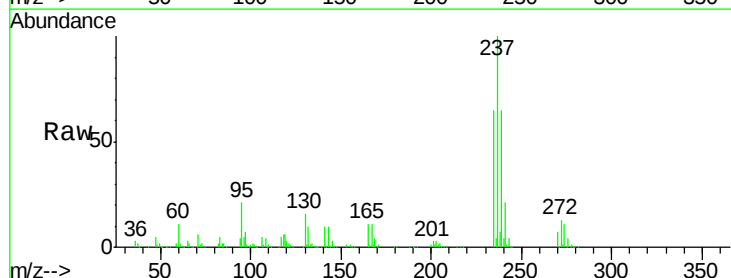
Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-104MSD

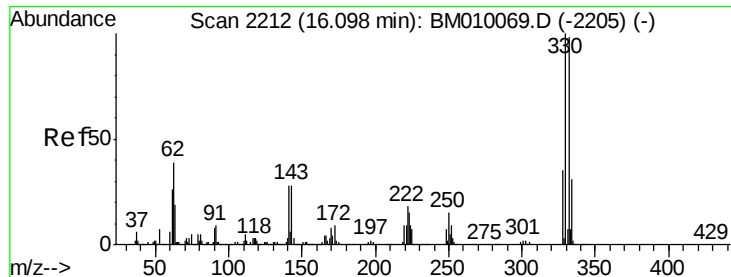
Tgt Ion:	216	Resp:	570650
Ion	Ratio	Lower	Upper
216	100		
214	77.8	0.0	0.0#
179	21.5	0.0	0.0#
108	15.3	0.0	0.0#



#40
 Hexachlorocyclopentadiene
 Concen: 122.89 ng
 RT: 12.72 min Scan# 1638
 Delta R.T. -0.03 min
 Lab File: BM010219.D
 Acq: 25 May 2017 16:20

Tgt Ion:	237	Resp:	769190
Ion	Ratio	Lower	Upper
237	100		
235	65.2	42.0	82.0
272	13.1	0.0	33.4

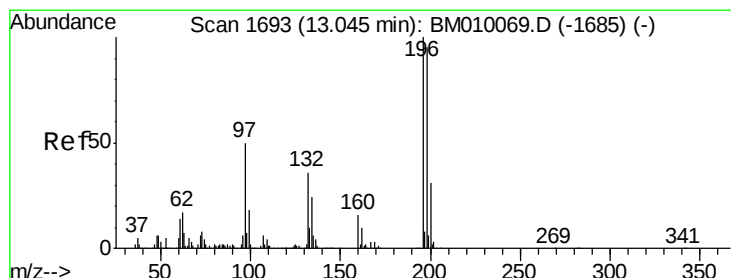
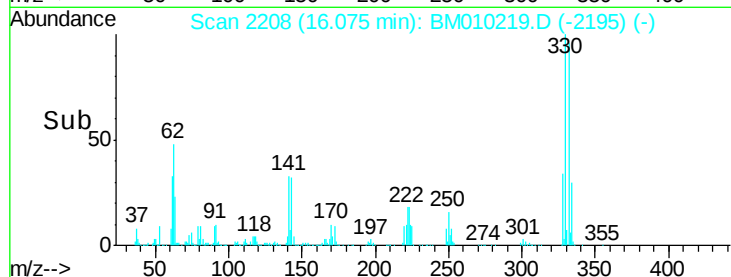
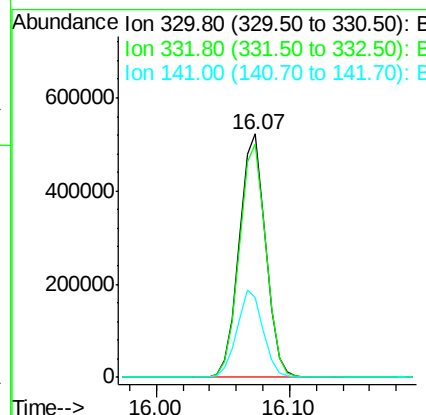
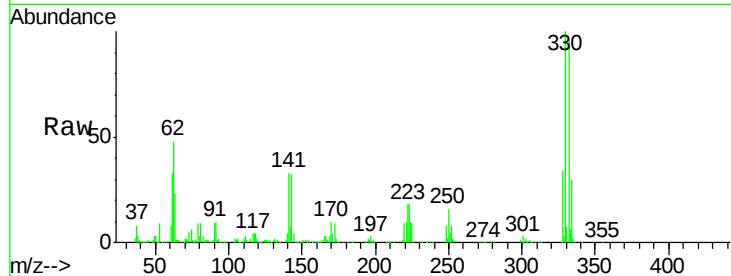




#41
 2,4,6-Tribromophenol
 Concen: 167.97 ng
 RT: 16.07 min Scan# 2208
 Delta R.T. -0.02 min
 Lab File: BM010219.D
 Acq: 25 May 2017 16:20

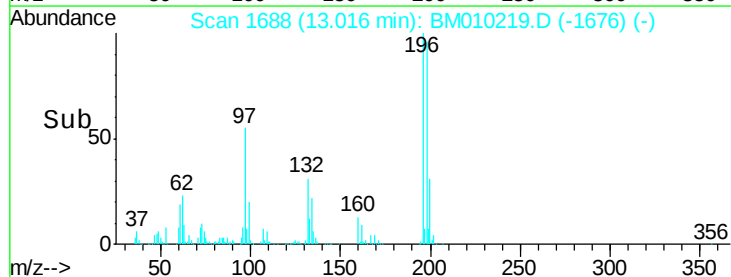
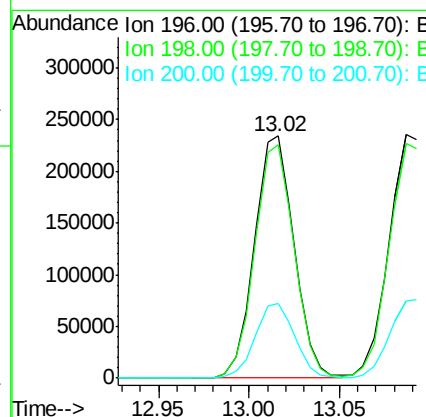
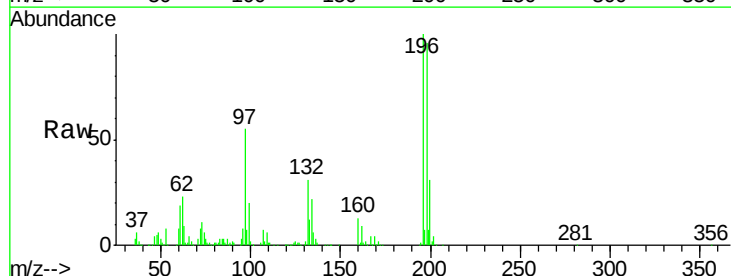
Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-104MSD

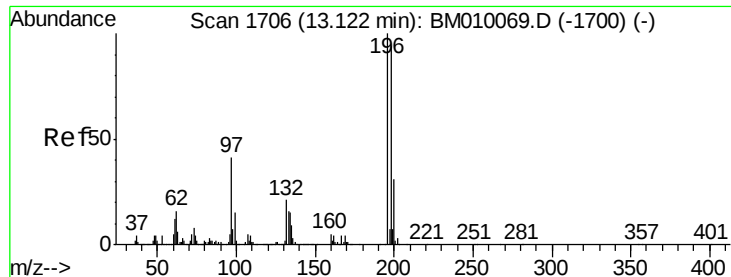
Tgt Ion:330 Resp: 719157
 Ion Ratio Lower Upper
 330 100
 332 96.6 0.0 0.0#
 141 35.9 0.0 0.0#



#42
 2,4,6-Trichlorophenol
 Concen: 55.61 ng
 RT: 13.02 min Scan# 1688
 Delta R.T. -0.03 min
 Lab File: BM010219.D
 Acq: 25 May 2017 16:20

Tgt Ion:196 Resp: 355039
 Ion Ratio Lower Upper
 196 100
 198 96.3 76.3 114.5
 200 31.0 25.6 38.4

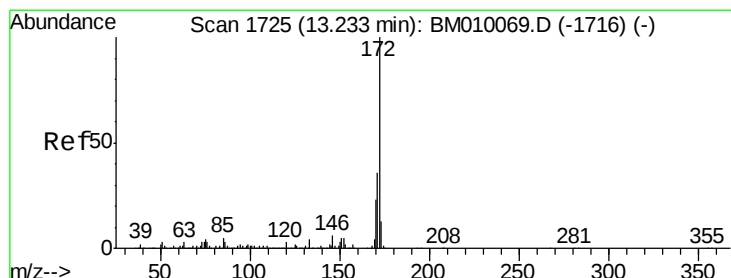
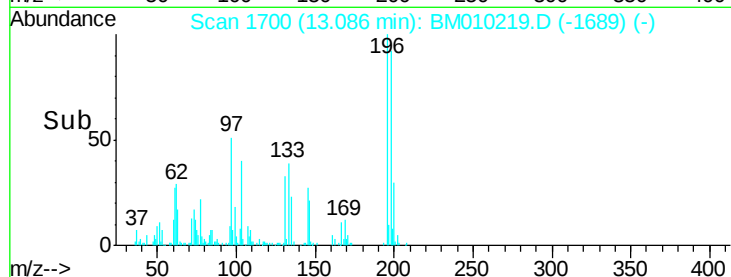
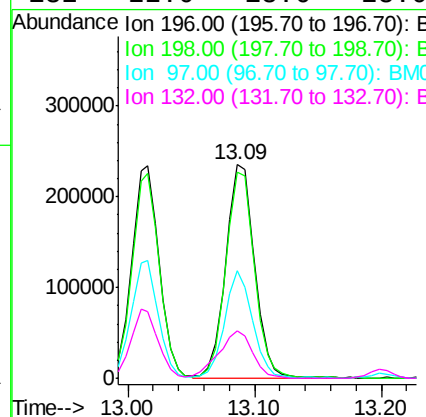
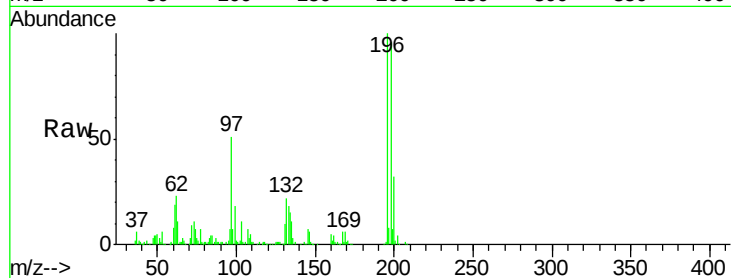




#43
2,4,5-Trichlorophenol
Concen: 52.37 ng
RT: 13.09 min Scan# 1700
Delta R.T. -0.04 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

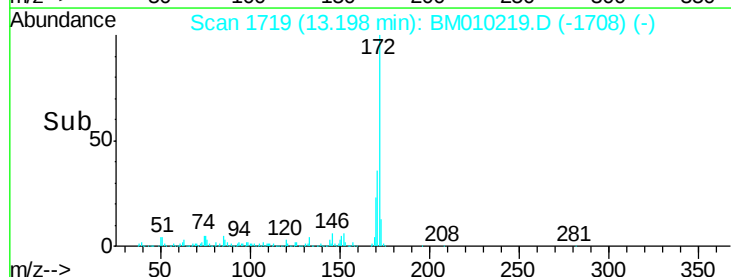
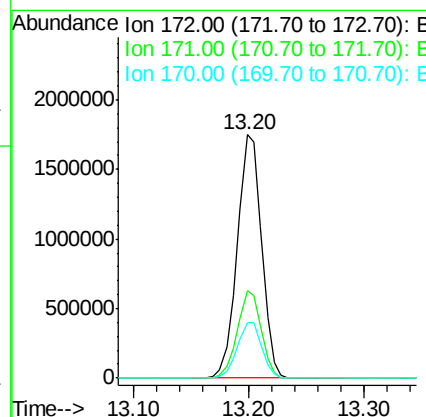
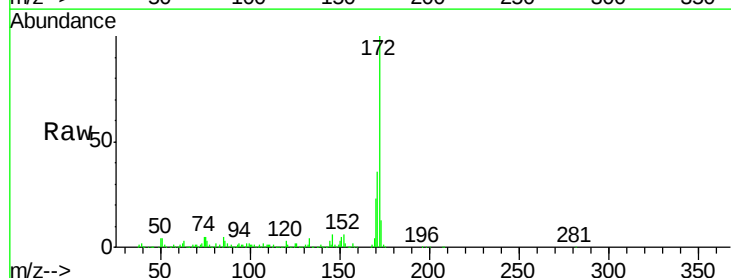
Instrument :
BNA_M
ClientSampleId :
RAV-GT-104MSD

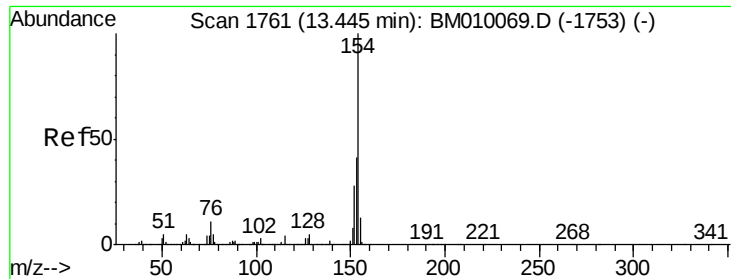
Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.3	79.4	119.0
97	50.6	26.8	40.2
132	22.0	18.6	28.0



#44
2-Fluorobiphenyl
Concen: 116.19 ng
RT: 13.20 min Scan# 1719
Delta R.T. -0.04 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.5	42.7
170	22.9	18.8	28.2

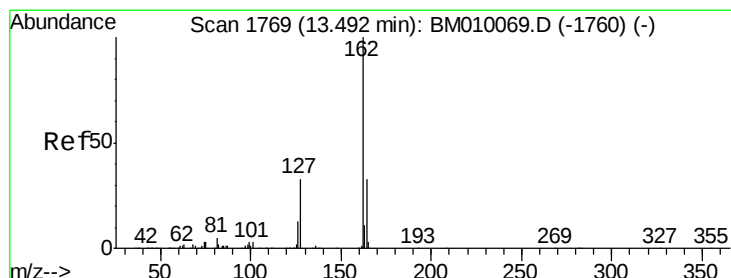
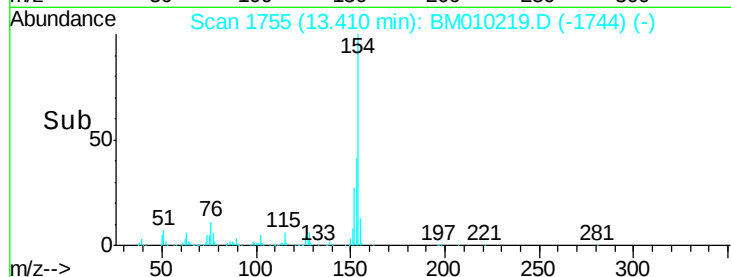
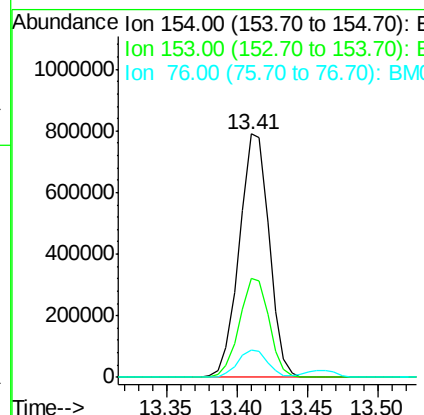
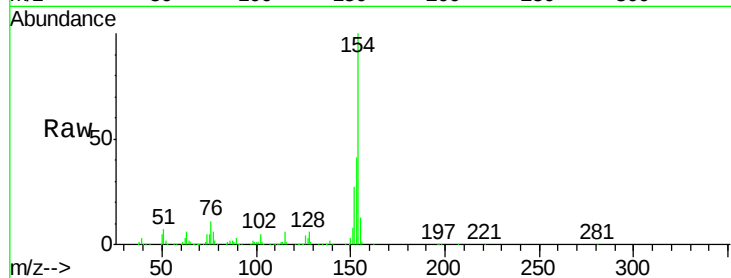




#45
 1,1'-Biphenyl
 Concen: 50.38 ng
 RT: 13.41 min Scan# 1755
 Delta R.T. -0.04 min
 Lab File: BM010219.D
 Acq: 25 May 2017 16:20

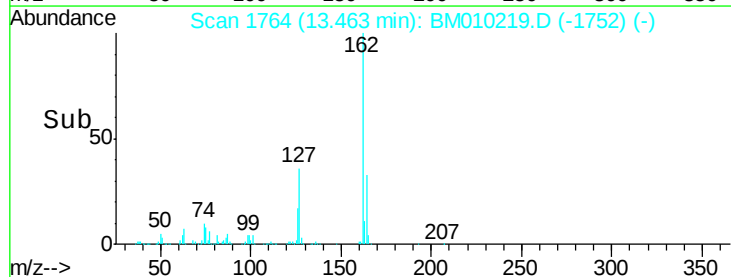
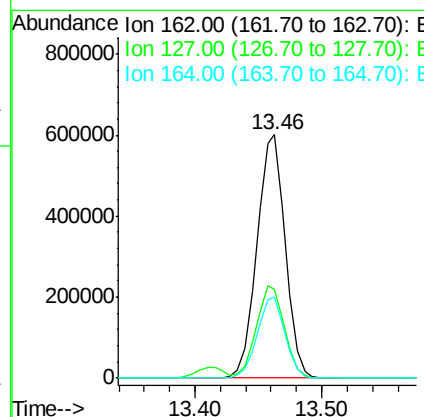
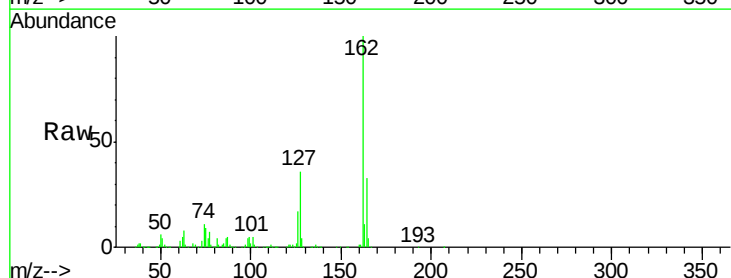
Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-104MSD

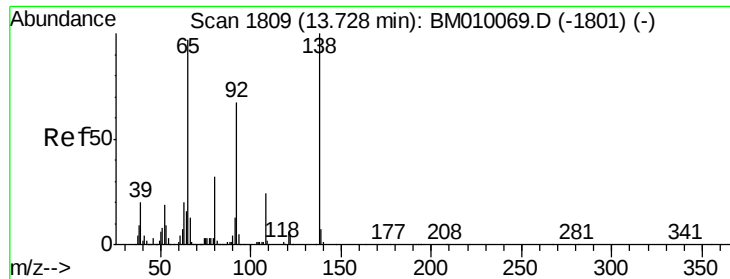
Tgt Ion:154 Resp: 1167842
 Ion Ratio Lower Upper
 154 100
 153 40.7 20.7 60.7
 76 11.2 0.0 30.9



#46
 2-Chloronaphthalene
 Concen: 49.58 ng
 RT: 13.46 min Scan# 1764
 Delta R.T. -0.03 min
 Lab File: BM010219.D
 Acq: 25 May 2017 16:20

Tgt Ion:162 Resp: 930631
 Ion Ratio Lower Upper
 162 100
 127 36.4 26.9 40.3
 164 33.1 26.8 40.2

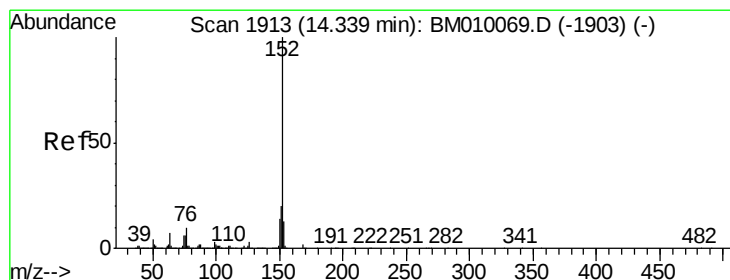
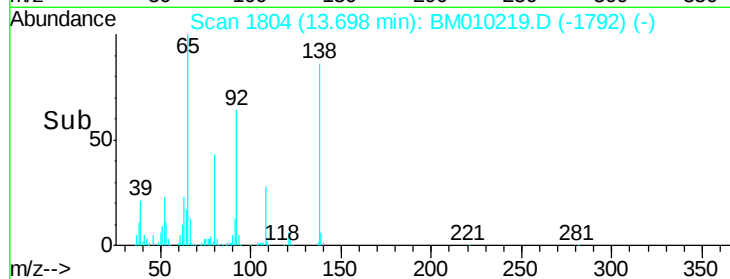
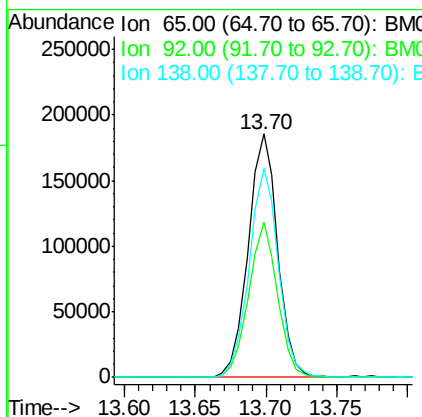
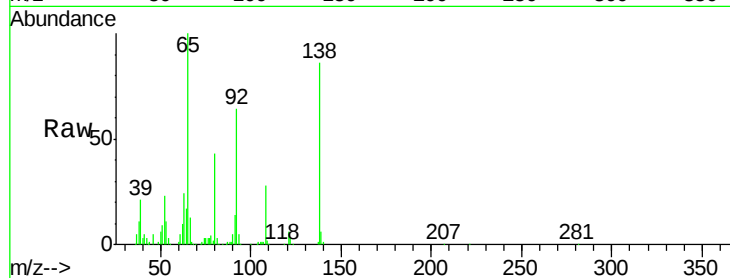




#47
2-Nitroaniline
Concen: 56.38 ng
RT: 13.70 min Scan# 1804
Delta R.T. -0.03 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

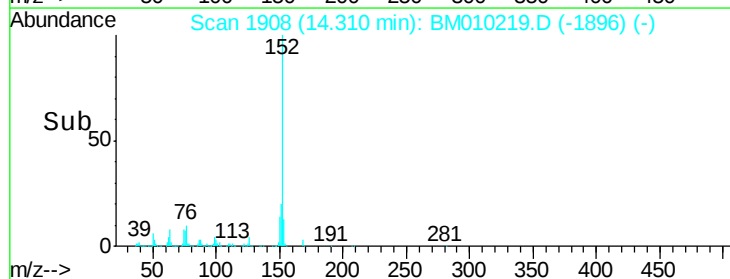
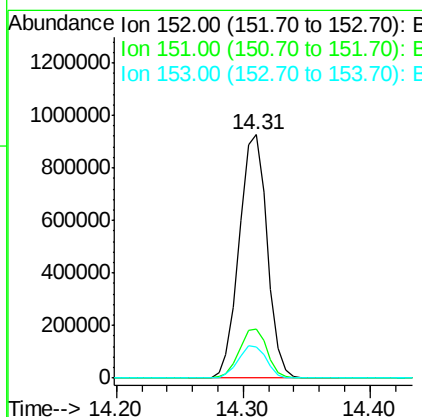
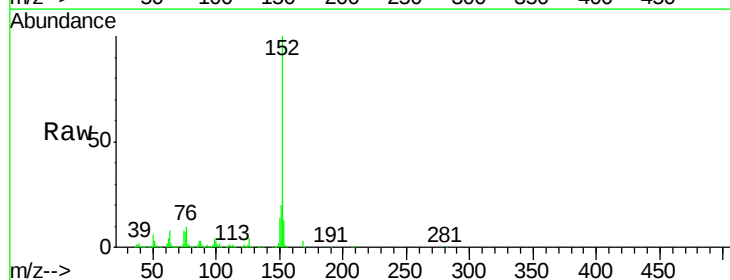
Instrument :
BNA_M
ClientSampleId :
RAV-GT-104MSD

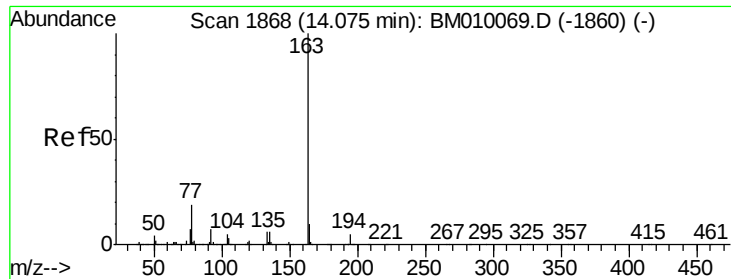
Tgt Ion: 65 Resp: 272120
Ion Ratio Lower Upper
65 100
92 63.6 59.1 88.7
138 86.1 93.9 140.9#



#48
Acenaphthylene
Concen: 50.86 ng
RT: 14.31 min Scan# 1908
Delta R.T. -0.03 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

Tgt Ion: 152 Resp: 1411408
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 12.8 10.6 16.0





#49

Dimethylphthalate

Concen: 49.88 ng

RT: 14.05 min Scan# 1863

Delta R.T. -0.03 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

Instrument :

BNA_M

ClientSampleId :

RAV-GT-104MSD

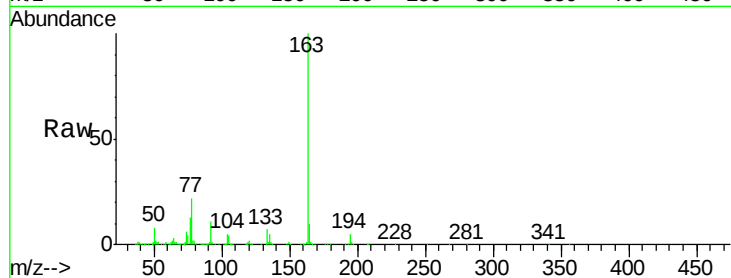
Tgt Ion:163 Resp: 1254193

Ion Ratio Lower Upper

163 100

194 4.8 2.7 4.1#

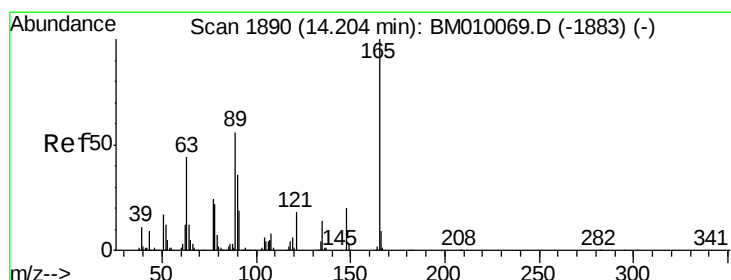
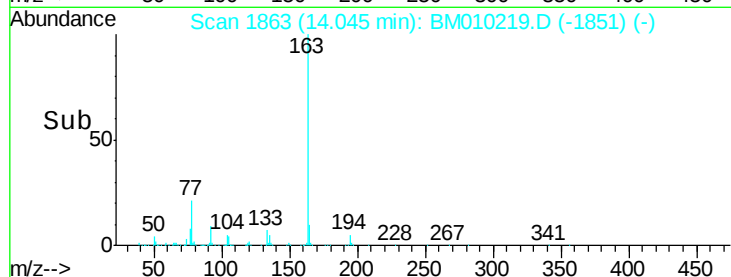
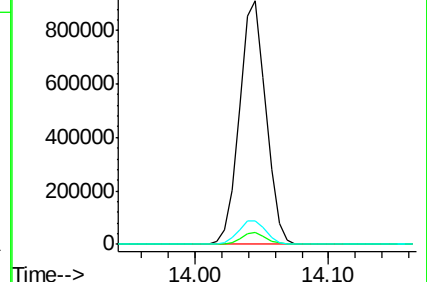
164 9.6 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 52.69 ng

RT: 14.18 min Scan# 1886

Delta R.T. -0.02 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

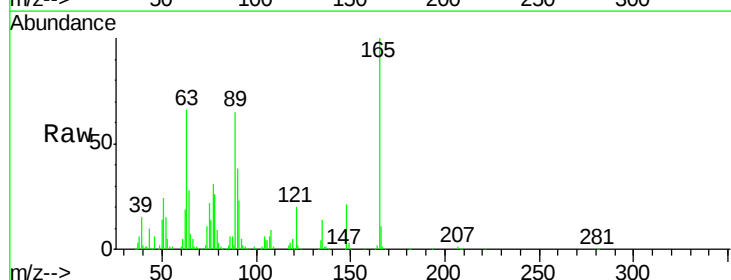
Tgt Ion:165 Resp: 251595

Ion Ratio Lower Upper

165 100

63 66.1 44.1 66.1

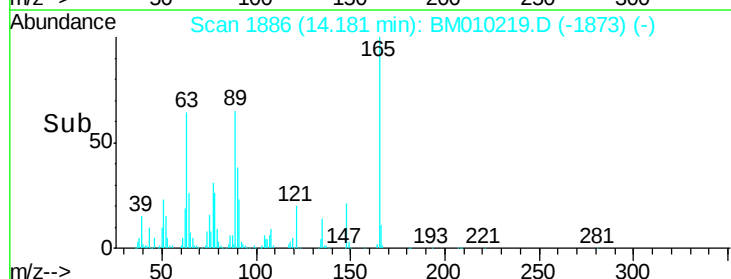
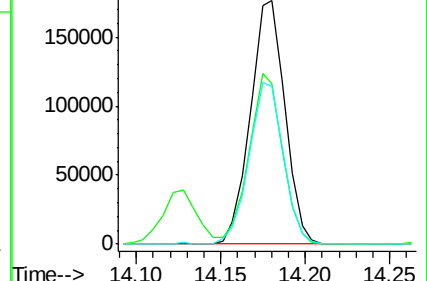
89 65.0 44.3 66.5

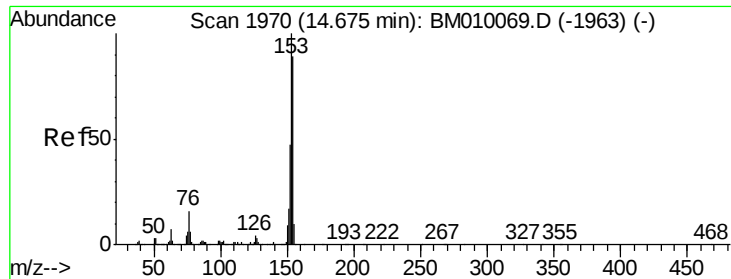


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0





#51

Acenaphthene

Concen: 49.75 ng

RT: 14.65 min Scan# 1965

Delta R.T. -0.03 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

Instrument :

BNA_M

ClientSampleId :

RAV-GT-104MSD

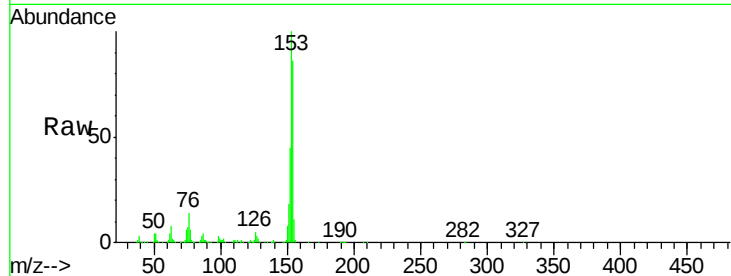
Tgt Ion:154 Resp: 858398

Ion Ratio Lower Upper

154 100

153 116.1 90.0 135.0

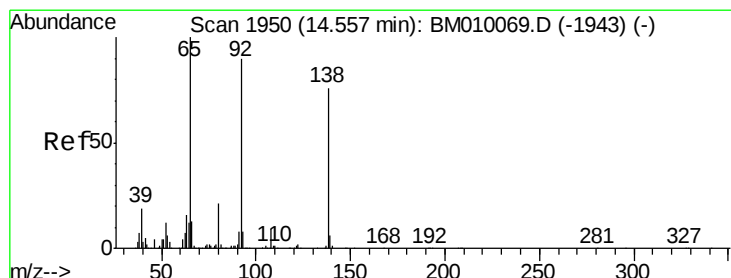
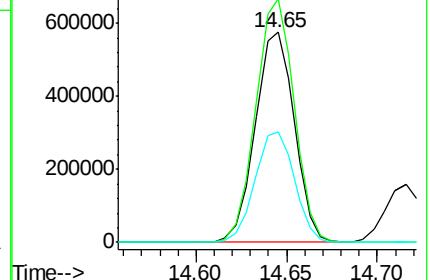
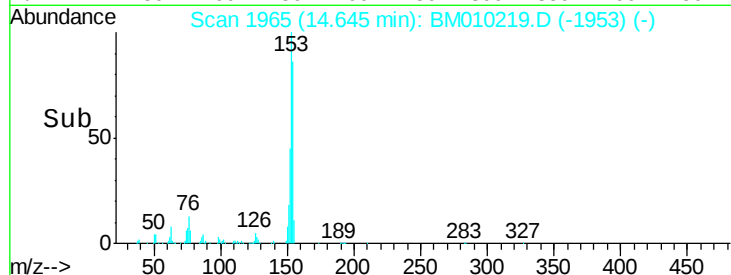
152 52.8 42.6 63.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 41.20 ng

RT: 14.53 min Scan# 1945

Delta R.T. -0.03 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

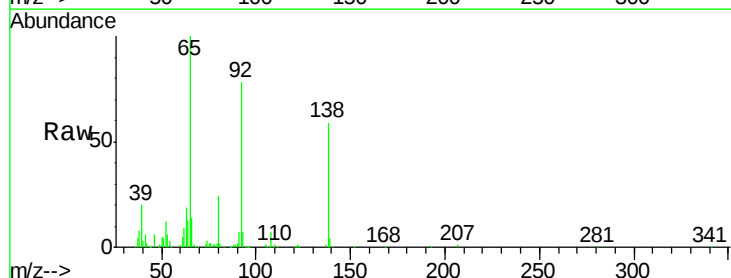
Tgt Ion:138 Resp: 182856

Ion Ratio Lower Upper

138 100

108 12.2 7.3 10.9#

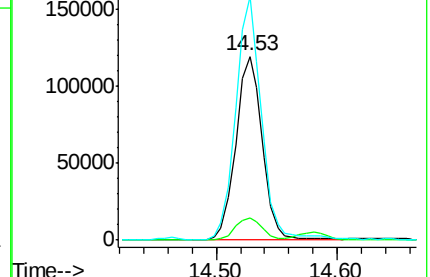
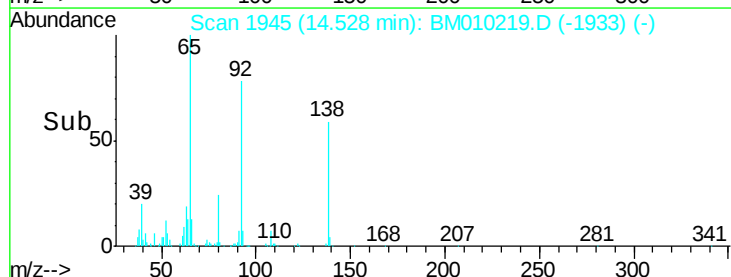
92 132.7 76.6 114.8#

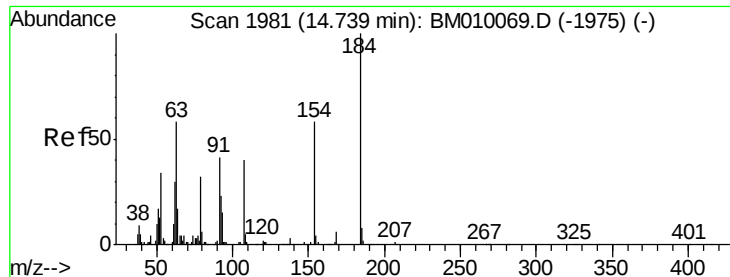


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM

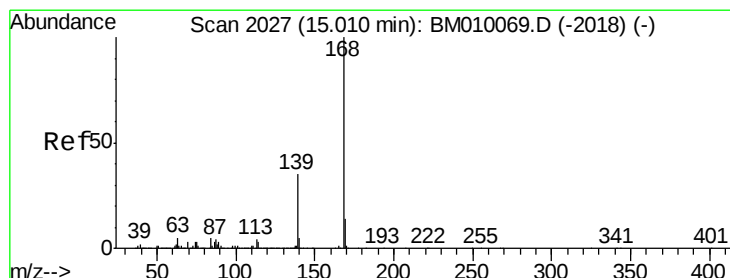
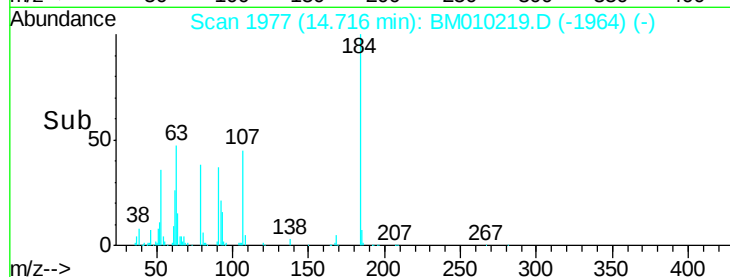
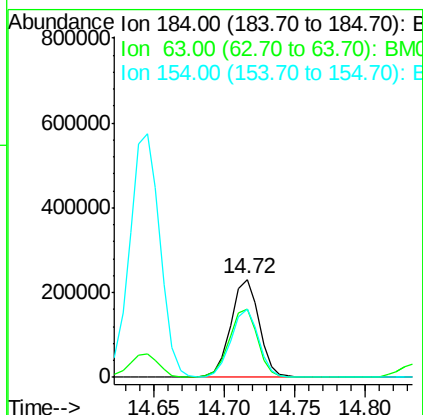
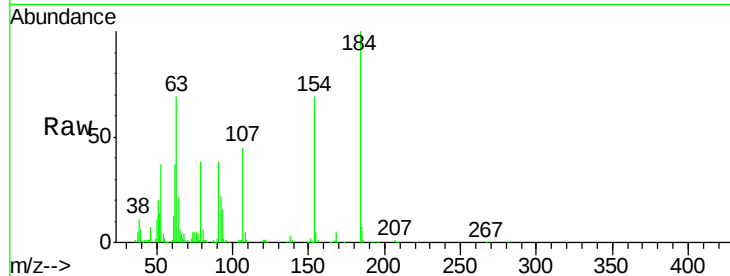




#53
2,4-Dinitrophenol
Concen: 100.39 ng
RT: 14.72 min Scan# 1977
Delta R.T. -0.02 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

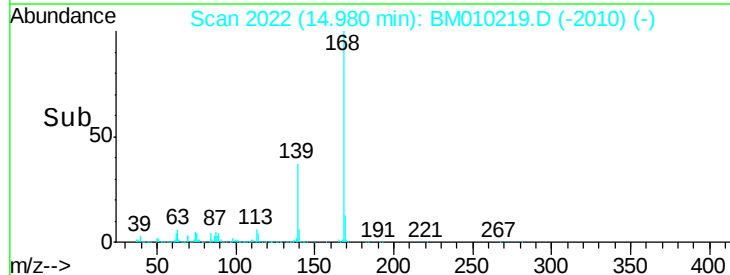
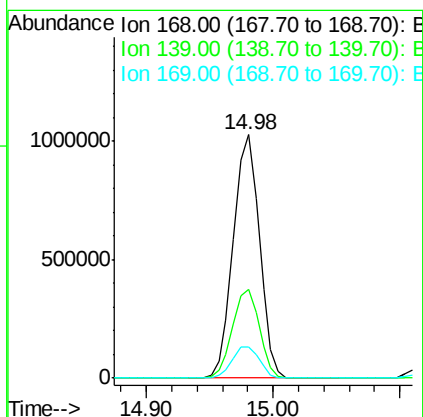
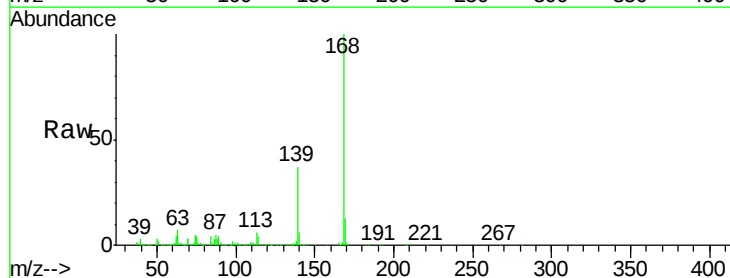
Instrument :
BNA_M
ClientSampleId :
RAV-GT-104MSD

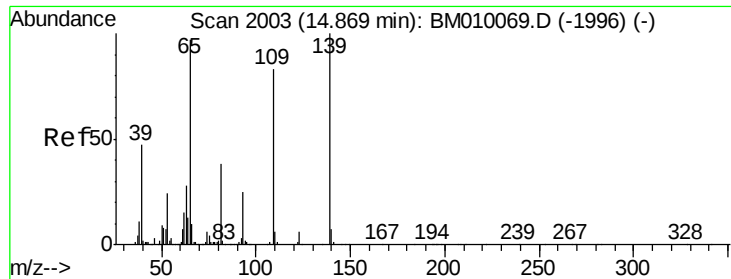
Tgt Ion:184 Resp: 324044
Ion Ratio Lower Upper
184 100
63 69.3 69.2 103.8
154 68.9 53.3 79.9



#54
Dibenzofuran
Concen: 54.03 ng
RT: 14.98 min Scan# 2022
Delta R.T. -0.03 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

Tgt Ion:168 Resp: 1465943
Ion Ratio Lower Upper
168 100
139 36.7 27.3 40.9
169 12.9 10.6 16.0

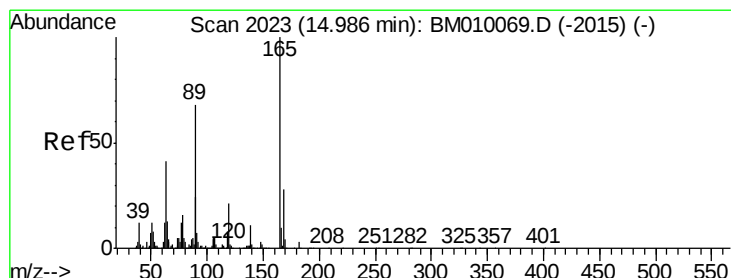
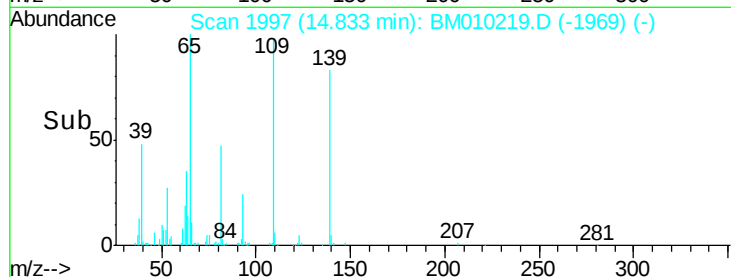
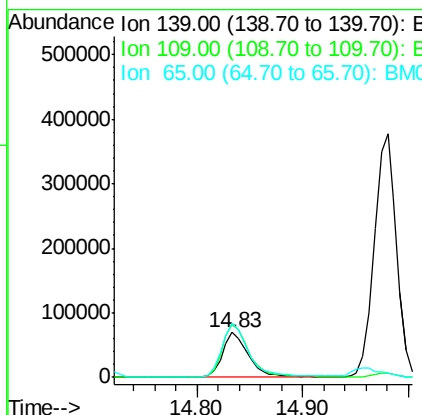
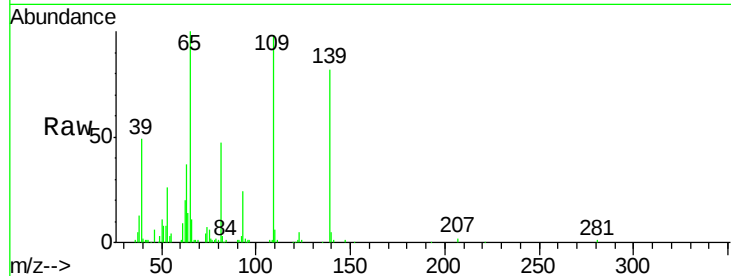




#55
4-Nitrophenol
Concen: 33.62 ng
RT: 14.83 min Scan# 1997
Delta R.T. -0.04 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

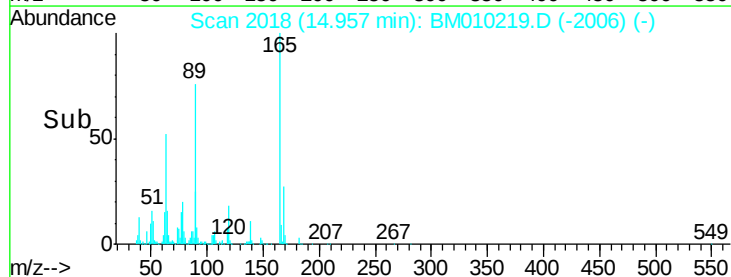
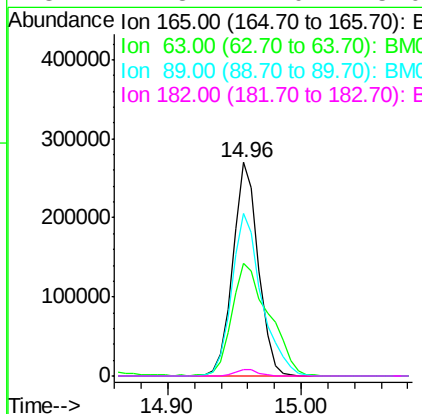
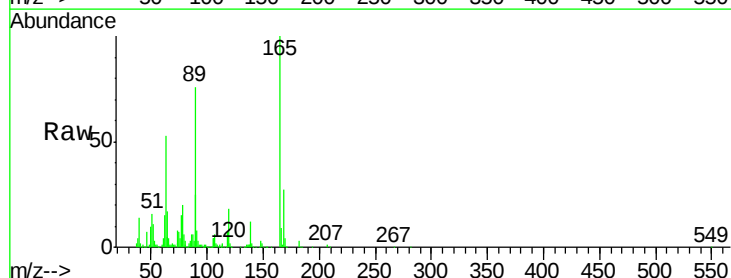
Instrument :
BNA_M
ClientSampleId :
RAV-GT-104MSD

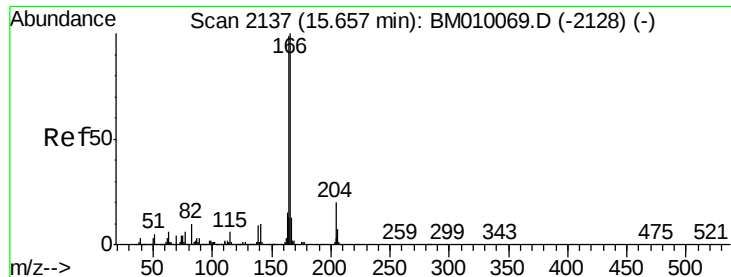
Tgt Ion	Ratio	Lower	Upper
139	100		
109	119.1	37.7	77.7#
65	121.6	49.9	89.9#



#56
2,4-Dinitrotoluene
Concen: 53.09 ng
RT: 14.96 min Scan# 2018
Delta R.T. -0.03 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	52.9	52.4	78.6
89	76.3	72.4	108.6
182	2.8	2.0	3.0





#57

Fluorene

Concen: 51.41 ng

RT: 15.63 min Scan# 2132

Delta R.T. -0.03 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

Instrument :

BNA_M

ClientSampleId :

RAV-GT-104MSD

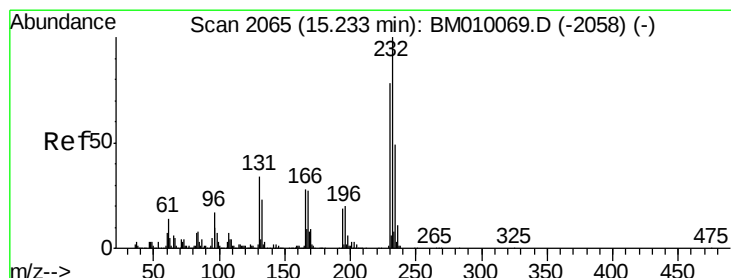
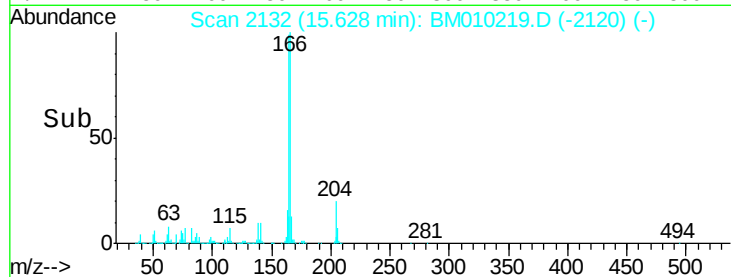
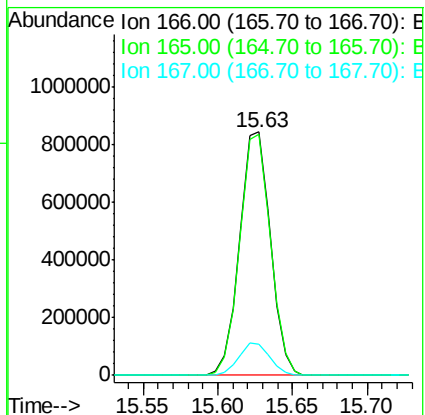
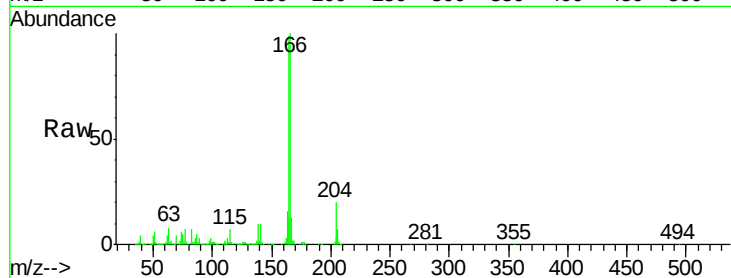
Tgt Ion:166 Resp: 1212773

Ion Ratio Lower Upper

166 100

165 99.2 79.0 118.4

167 12.7 10.3 15.5



#58

2,3,4,6-Tetrachlorophenol

Concen: 58.89 ng

RT: 15.20 min Scan# 2060

Delta R.T. -0.03 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

Tgt Ion:232 Resp: 353902

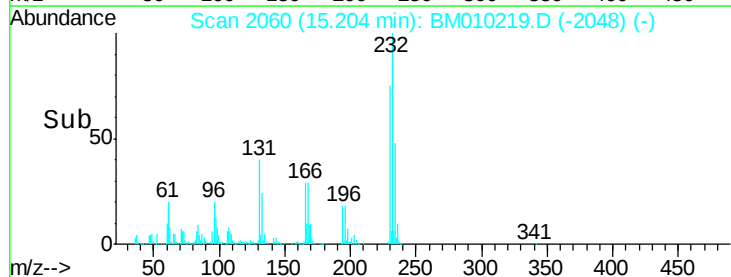
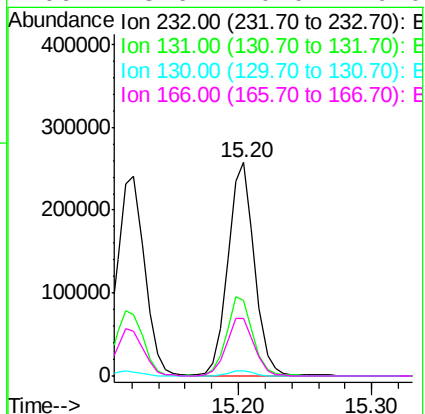
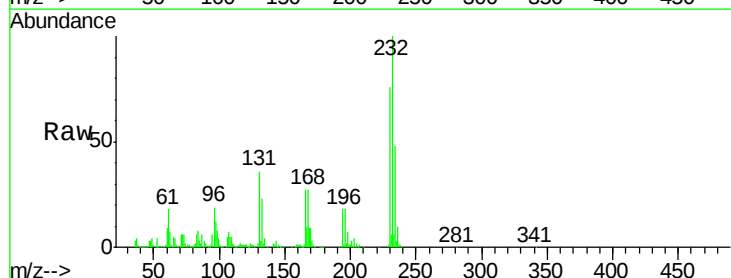
Ion Ratio Lower Upper

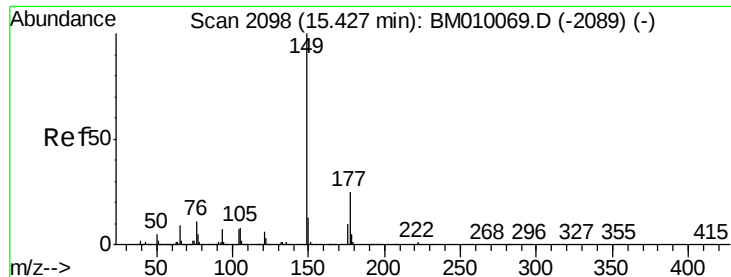
232 100

131 37.3 0.0 0.0#

130 2.5 0.0 0.0#

166 28.6 0.0 0.0#





#59

Diethylphthalate

Concen: 47.61 ng

RT: 15.39 min Scan# 2092

Delta R.T. -0.04 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

Instrument :

BNA_M

ClientSampleId :

RAV-GT-104MSD

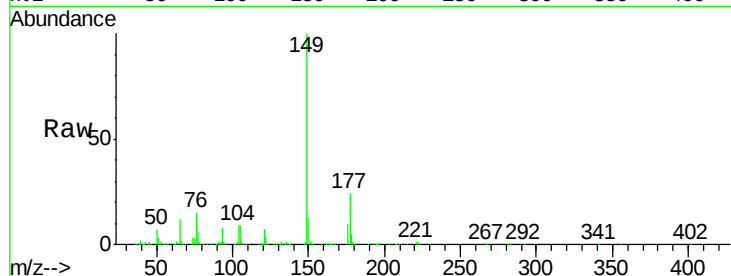
Tgt Ion:149 Resp: 1131834

Ion Ratio Lower Upper

149 100

177 24.2 18.3 27.5

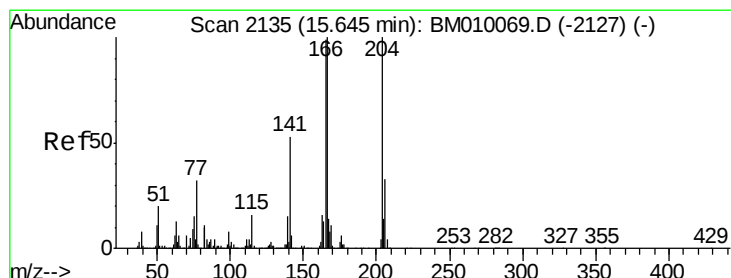
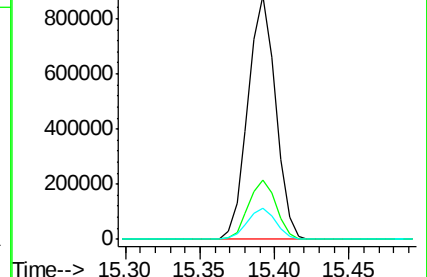
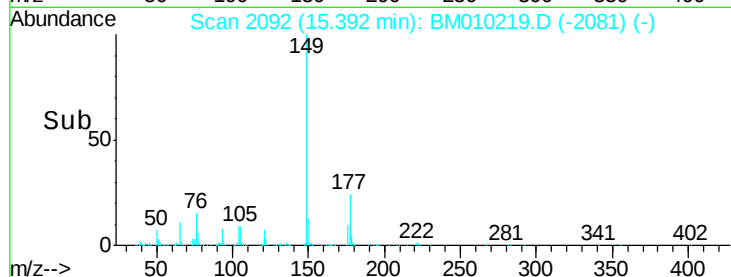
150 12.6 9.8 14.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 50.98 ng

RT: 15.62 min Scan# 2130

Delta R.T. -0.03 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

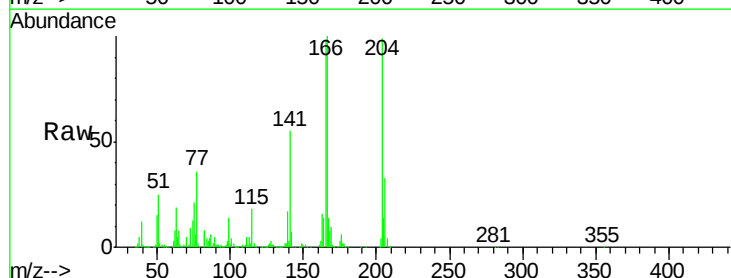
Tgt Ion:204 Resp: 675218

Ion Ratio Lower Upper

204 100

206 33.5 26.6 39.8

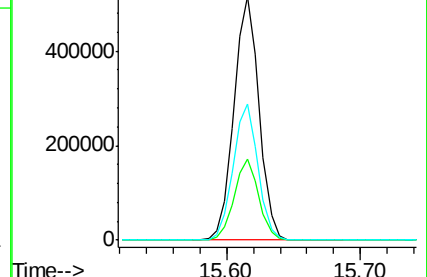
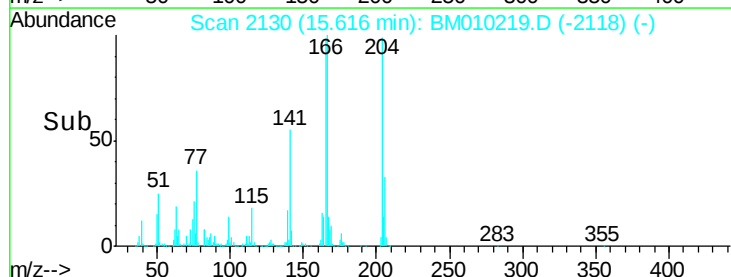
141 56.0 45.2 67.8

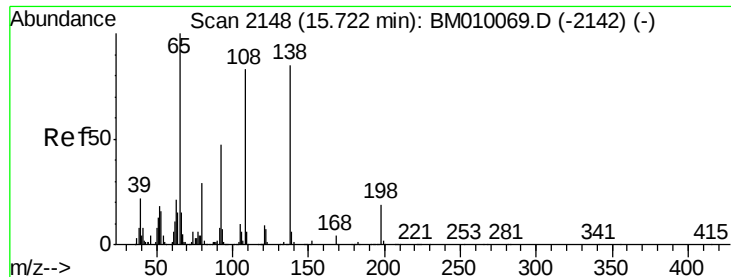


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

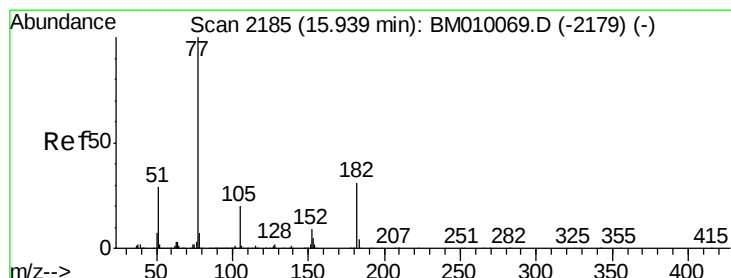
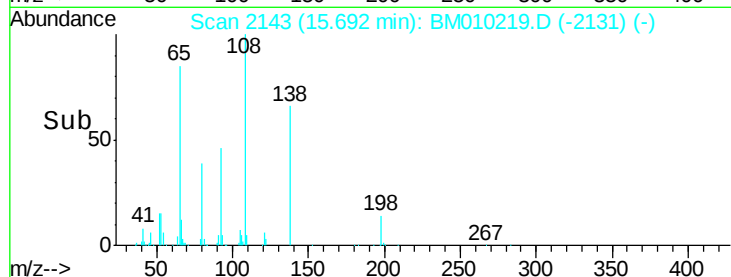
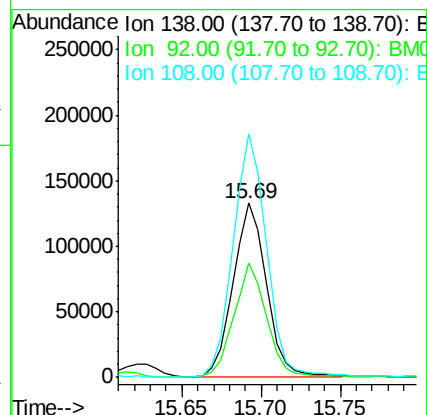
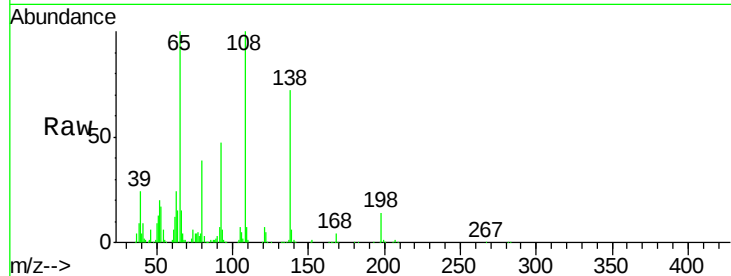




#61
4-Nitroaniline
Concen: 43.23 ng
RT: 15.69 min Scan# 2143
Delta R.T. -0.03 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

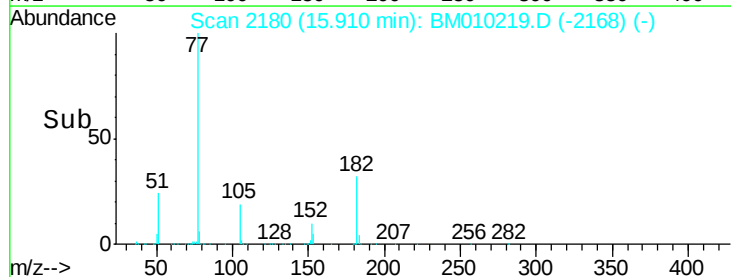
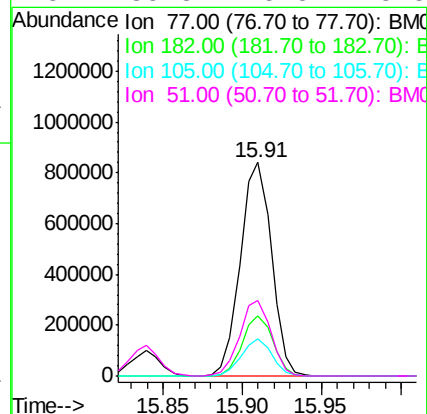
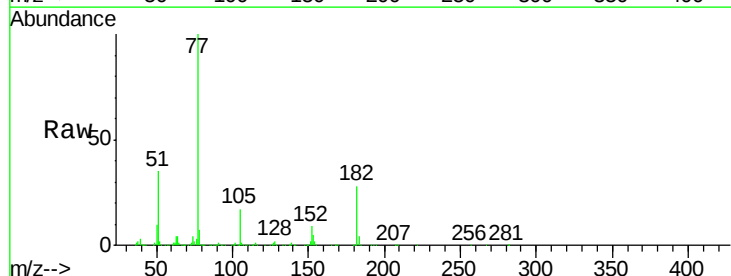
Instrument :
BNA_M
ClientSampleId :
RAV-GT-104MSD

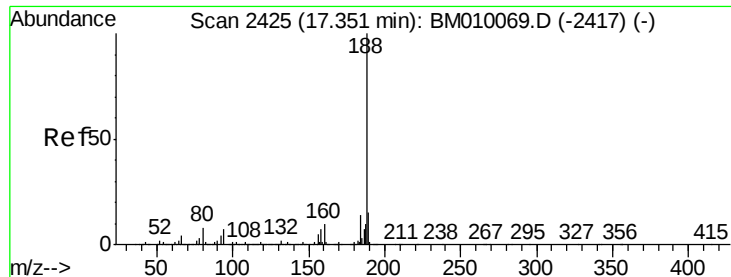
Tgt Ion:138 Resp: 194775
Ion Ratio Lower Upper
138 100
92 65.7 16.7 56.7#
108 139.7 37.6 77.6#



#62
Azobenzene
Concen: 65.54 ng
RT: 15.91 min Scan# 2180
Delta R.T. -0.03 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

Tgt Ion: 77 Resp: 1145793
Ion Ratio Lower Upper
77 100
182 28.5 6.5 46.5
105 17.1 3.8 43.8
51 35.3 5.5 45.5





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.33 min Scan# 2421

Delta R.T. -0.02 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

Instrument :

BNA_M

ClientSampleId :

RAV-GT-104MSD

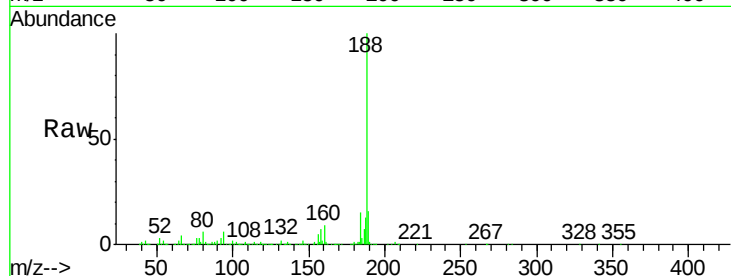
Tgt Ion:188 Resp: 678487

Ion Ratio Lower Upper

188 100

94 5.5 8.7 13.1#

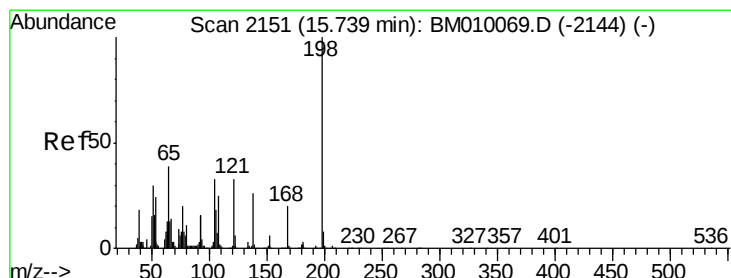
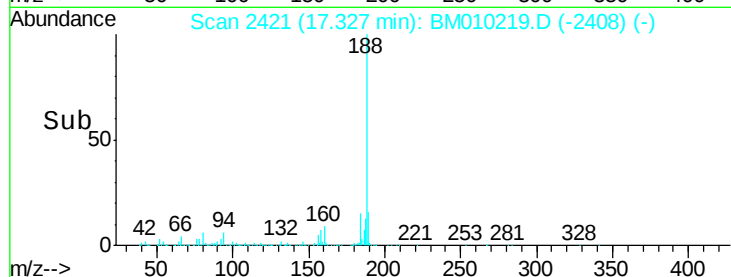
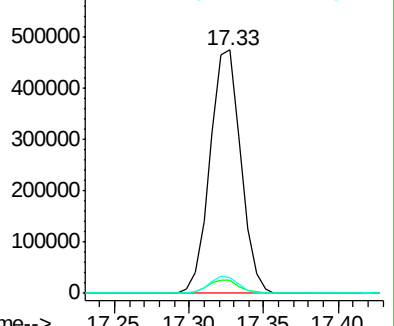
80 6.4 9.3 13.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#64

4,6-Dinitro-2-methylphenol

Concen: 53.85 ng

RT: 15.71 min Scan# 2146

Delta R.T. -0.03 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

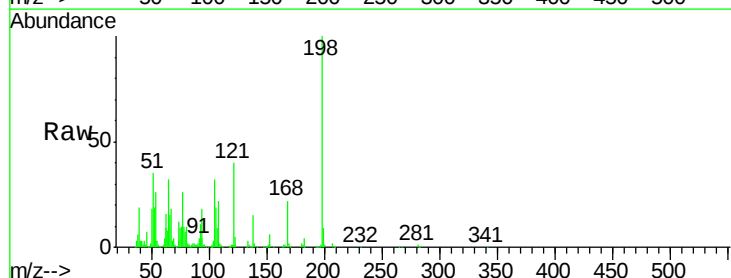
Tgt Ion:198 Resp: 223221

Ion Ratio Lower Upper

198 100

51 34.8 28.8 68.8

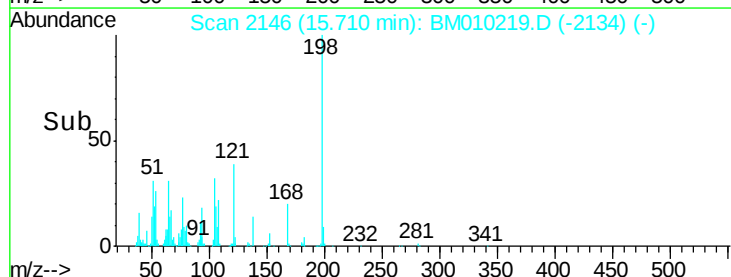
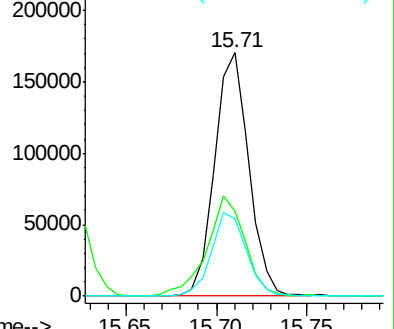
105 31.8 30.5 70.5

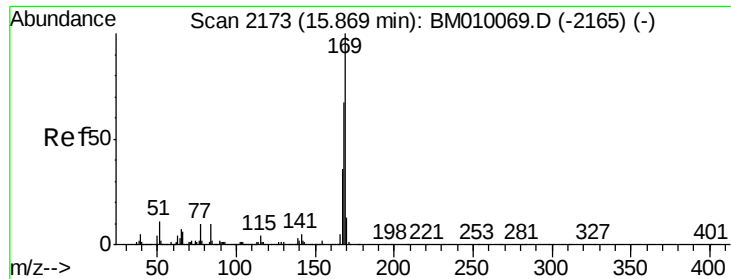


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E

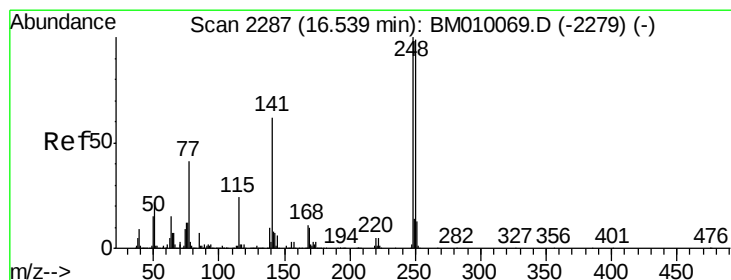
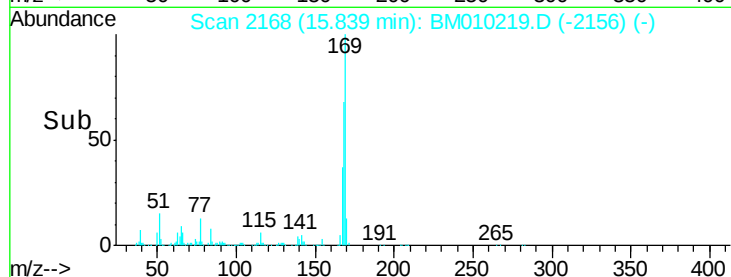
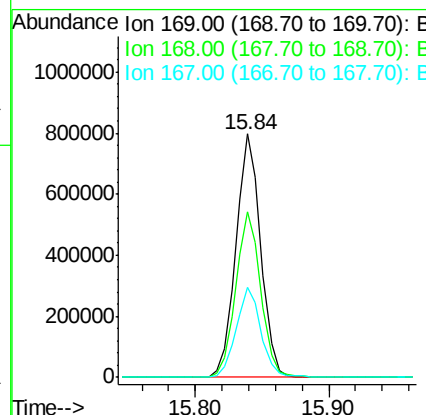
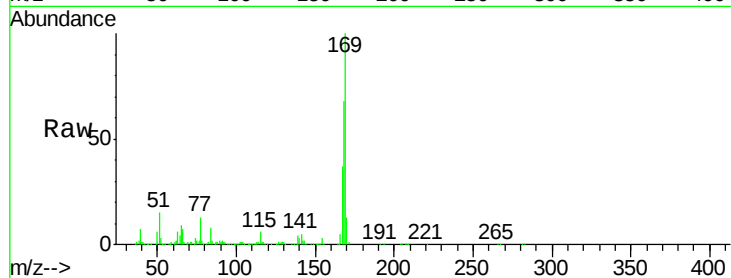




#65
 n-Nitrosodiphenylamine
 Concen: 50.81 ng
 RT: 15.84 min Scan# 2168
 Delta R.T. -0.03 min
 Lab File: BM010219.D
 Acq: 25 May 2017 16:20

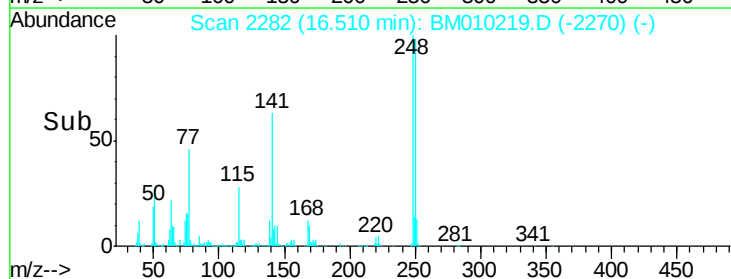
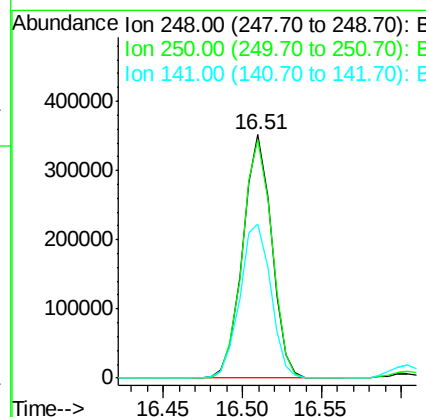
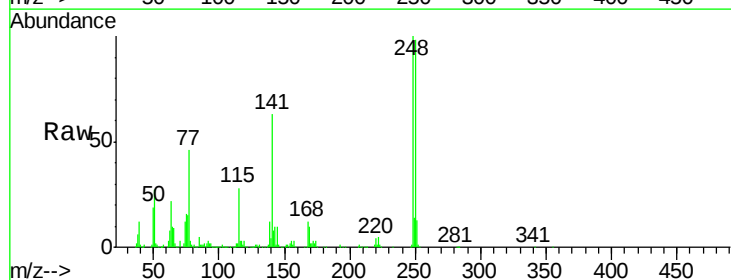
Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-104MSD

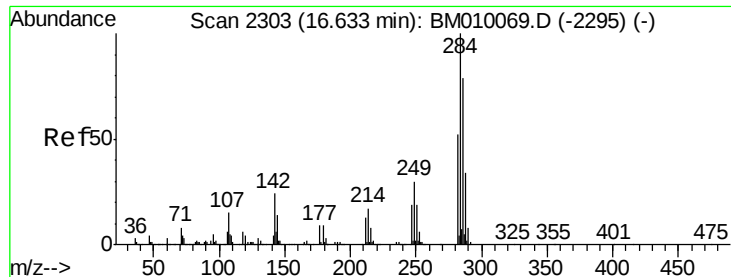
Tgt Ion:169 Resp: 1033142
 Ion Ratio Lower Upper
 169 100
 168 67.7 53.9 80.9
 167 37.0 28.9 43.3



#66
 4-Bromophenyl-phenylether
 Concen: 51.41 ng
 RT: 16.51 min Scan# 2282
 Delta R.T. -0.03 min
 Lab File: BM010219.D
 Acq: 25 May 2017 16:20

Tgt Ion:248 Resp: 446541
 Ion Ratio Lower Upper
 248 100
 250 97.7 77.4 116.0
 141 63.3 45.2 67.8





#67

Hexachlorobenzene

Concen: 47.33 ng

RT: 16.60 min Scan# 2298

Delta R.T. -0.03 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

Instrument :

BNA_M

ClientSampleId :

RAV-GT-104MSD

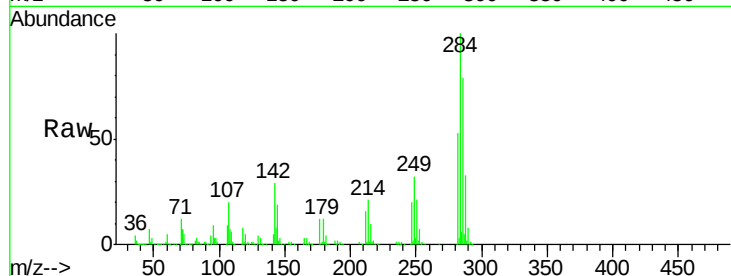
Tgt Ion:284 Resp: 499461

Ion Ratio Lower Upper

284 100

142 28.8 20.4 30.6

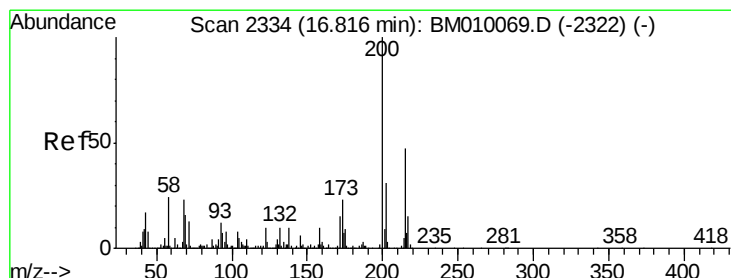
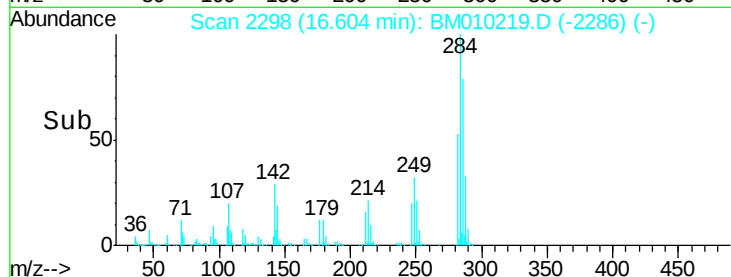
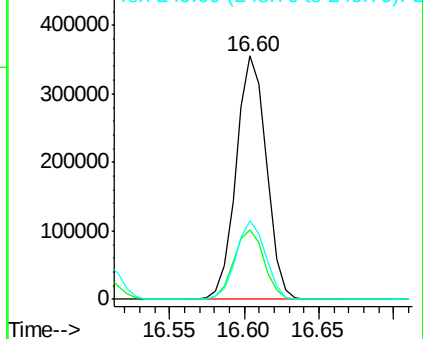
249 32.2 23.8 35.6



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 52.88 ng

RT: 16.78 min Scan# 2328

Delta R.T. -0.04 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

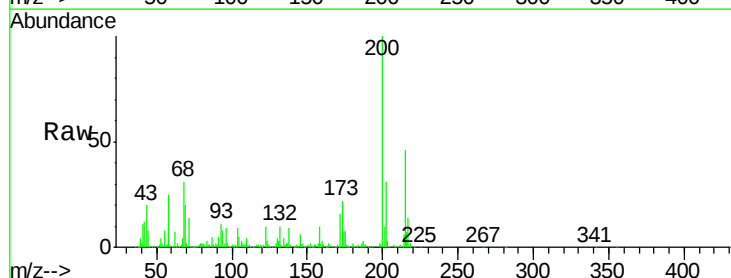
Tgt Ion:200 Resp: 407684

Ion Ratio Lower Upper

200 100

173 22.4 4.8 44.8

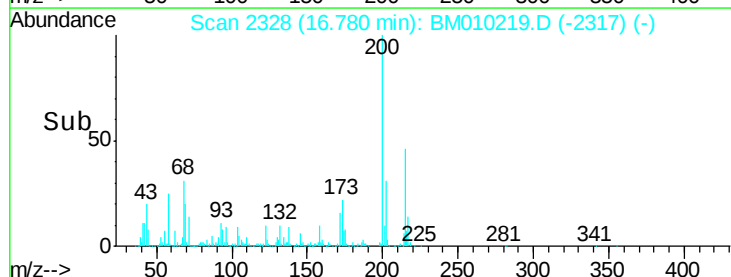
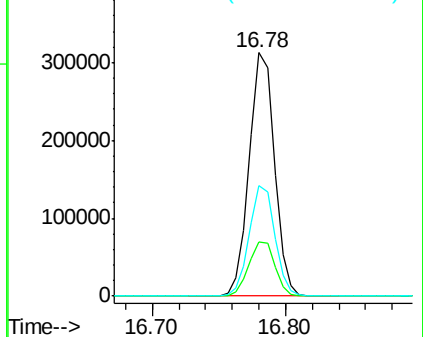
215 45.6 26.9 66.9

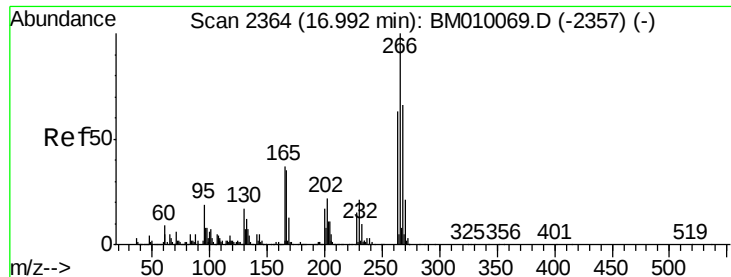


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

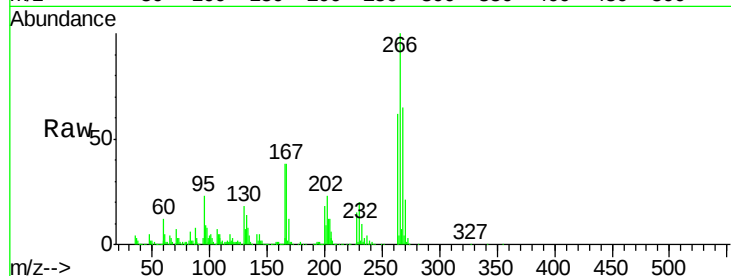




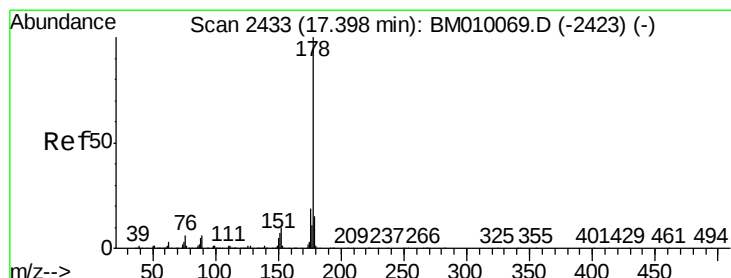
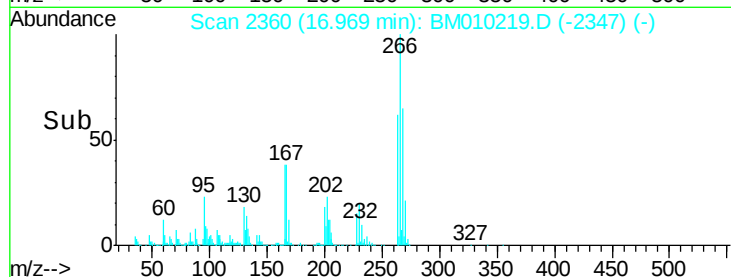
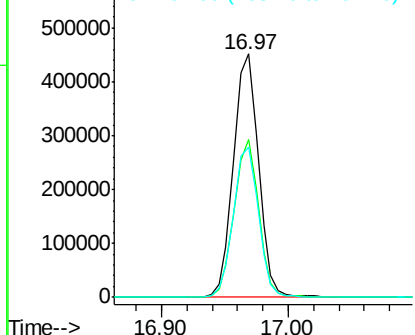
#69
 Pentachlorophenol
 Concen: 106.75 ng
 RT: 16.97 min Scan# 2360
 Delta R.T. -0.02 min
 Lab File: BM010219.D
 Acq: 25 May 2017 16:20

Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-104MSD

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.0	52.0	78.0
264	61.9	49.0	73.4

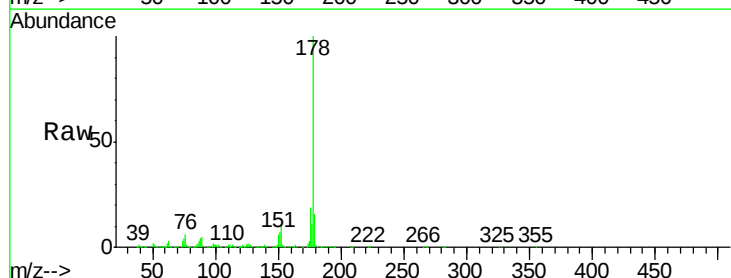


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

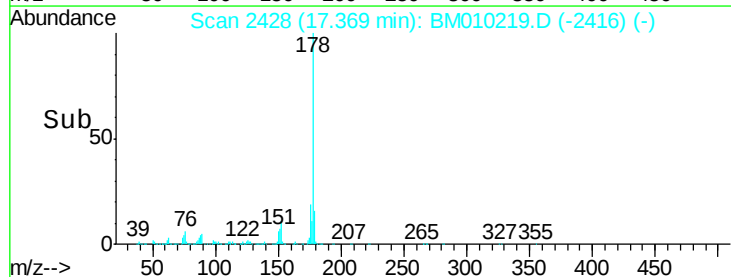
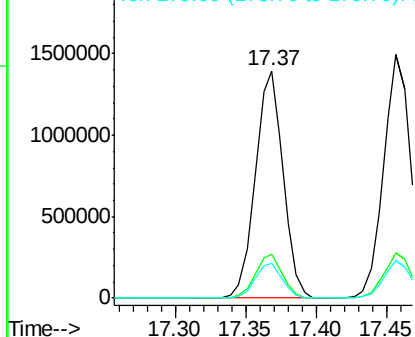


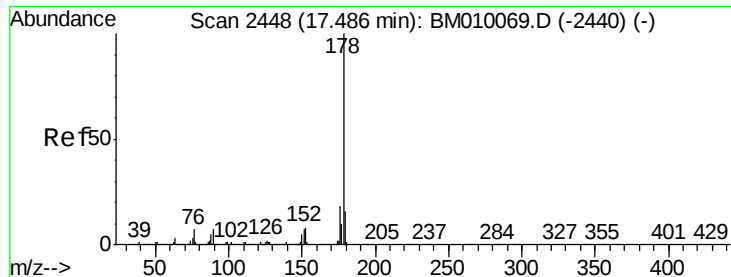
#70
 Phenanthrene
 Concen: 50.67 ng
 RT: 17.37 min Scan# 2428
 Delta R.T. -0.03 min
 Lab File: BM010219.D
 Acq: 25 May 2017 16:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.2	22.8
179	15.5	12.1	18.1



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





#71

Anthracene

Concen: 53.08 ng

RT: 17.46 min Scan# 2443

Delta R.T. -0.03 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

Instrument :

BNA_M

ClientSampleId :

RAV-GT-104MSD

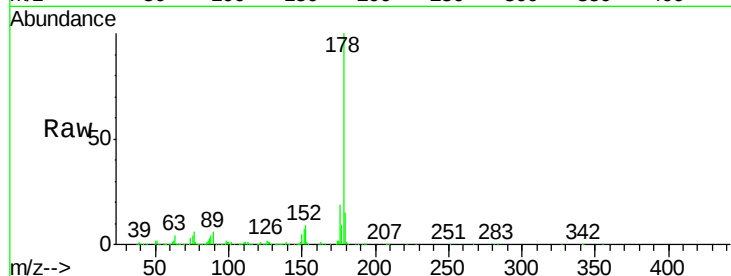
Tgt Ion:178 Resp: 1999526

Ion Ratio Lower Upper

178 100

176 18.5 14.6 22.0

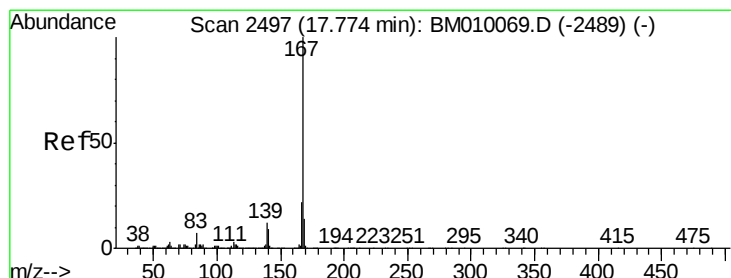
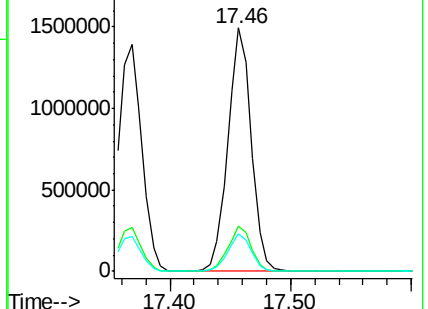
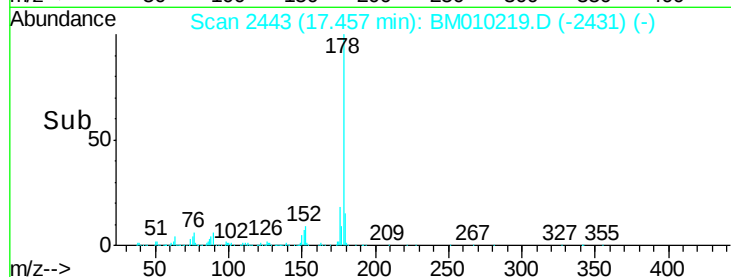
179 15.2 12.6 19.0



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

Carbazole

Concen: 52.13 ng

RT: 17.75 min Scan# 2492

Delta R.T. -0.03 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

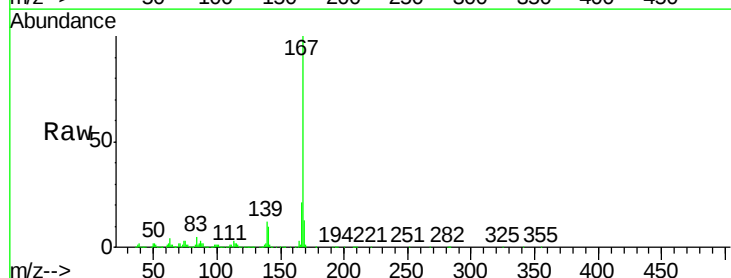
Tgt Ion:167 Resp: 1738685

Ion Ratio Lower Upper

167 100

166 21.2 17.2 25.8

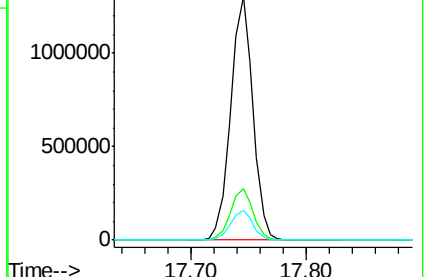
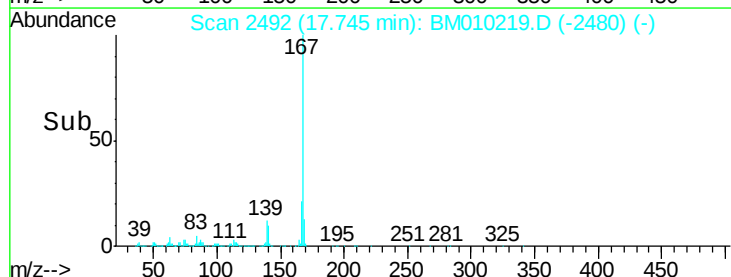
139 12.3 10.8 16.2

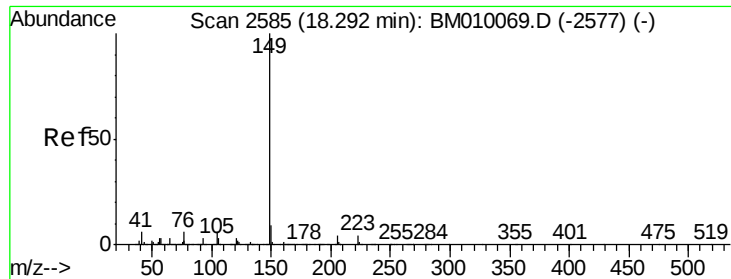


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

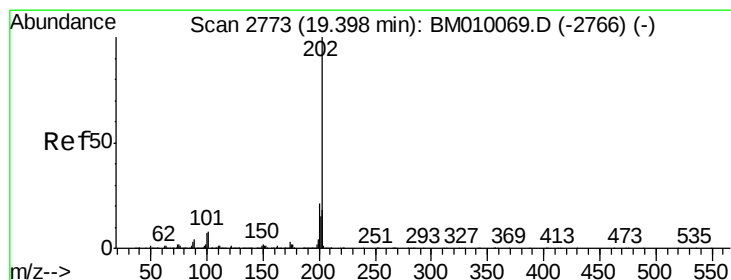
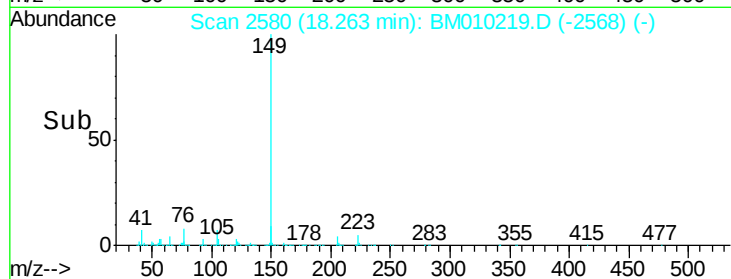
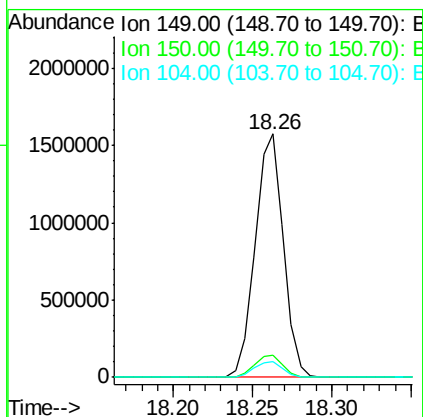
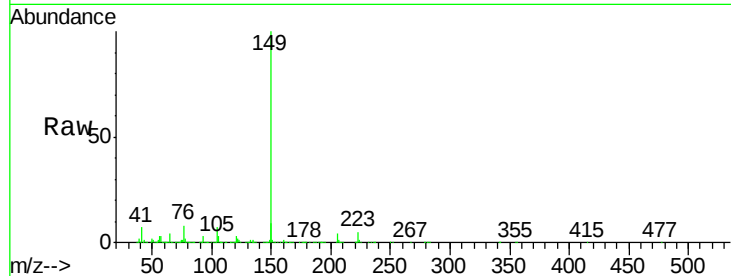




#73
Di-n-butylphthalate
Concen: 49.04 ng
RT: 18.26 min Scan# 2580
Delta R.T. -0.03 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

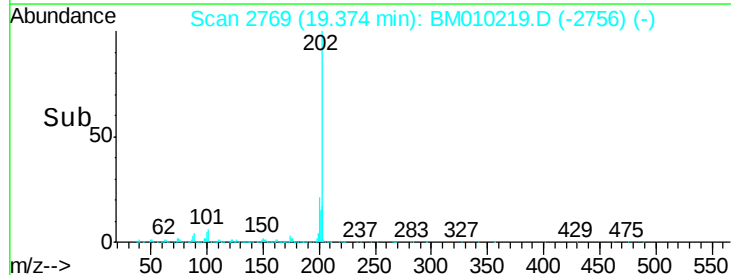
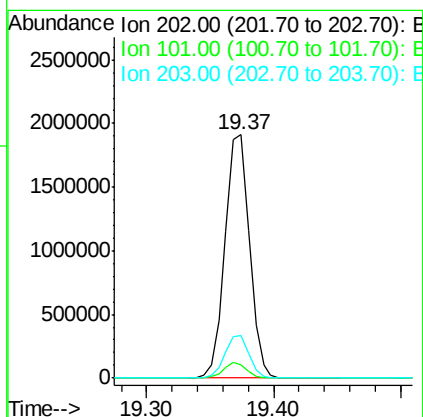
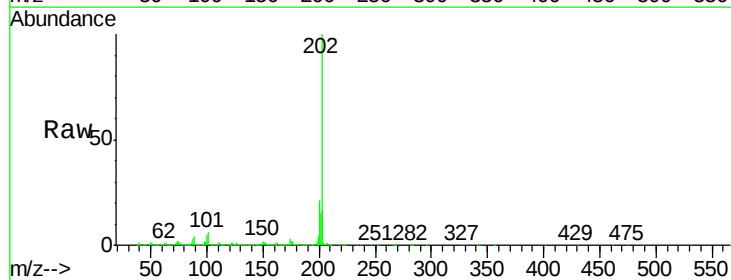
Instrument :
BNA_M
ClientSampleId :
RAV-GT-104MSD

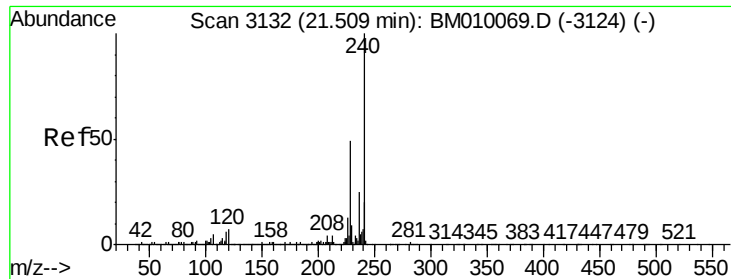
Tgt Ion:149 Resp: 1939403
Ion Ratio Lower Upper
149 100
150 9.1 7.5 11.3
104 6.7 3.7 5.5#



#74
Fluoranthene
Concen: 51.78 ng
RT: 19.37 min Scan# 2769
Delta R.T. -0.02 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

Tgt Ion:202 Resp: 2552178
Ion Ratio Lower Upper
202 100
101 5.7 0.0 28.7
203 17.4 0.0 37.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.49 min Scan# 3128

Delta R.T. -0.02 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

Instrument :

BNA_M

ClientSampleId :

RAV-GT-104MSD

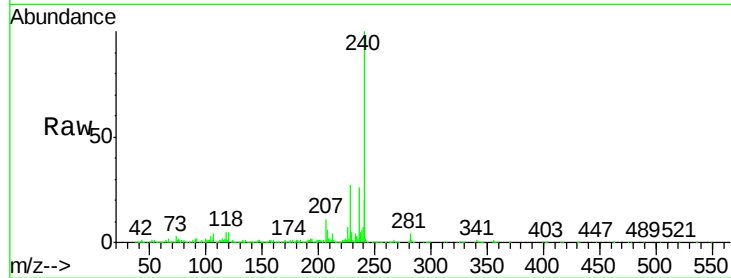
Tgt Ion:240 Resp: 1050834

Ion Ratio Lower Upper

240 100

120 5.2 8.2 12.2#

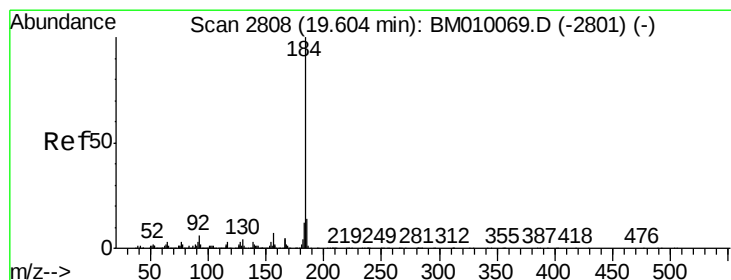
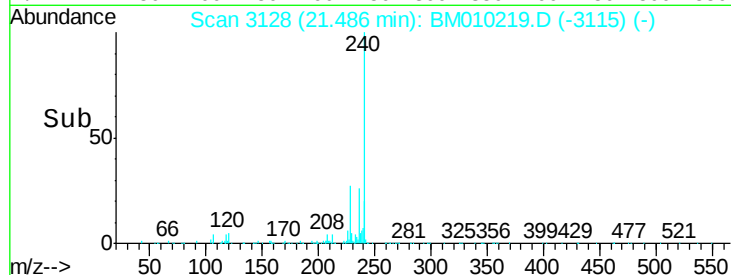
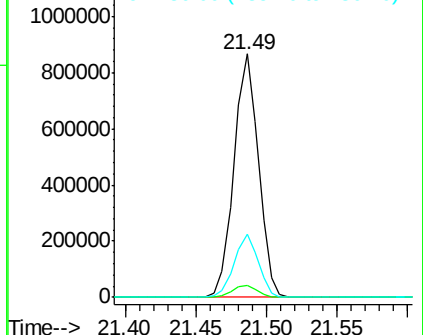
236 25.7 20.0 30.0



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



#76

Benzidine

Concen: 24.90 ng

RT: 19.58 min Scan# 2804

Delta R.T. -0.02 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

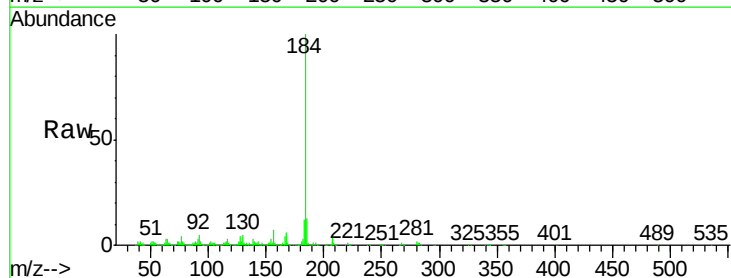
Tgt Ion:184 Resp: 482610

Ion Ratio Lower Upper

184 100

185 13.2 11.3 16.9

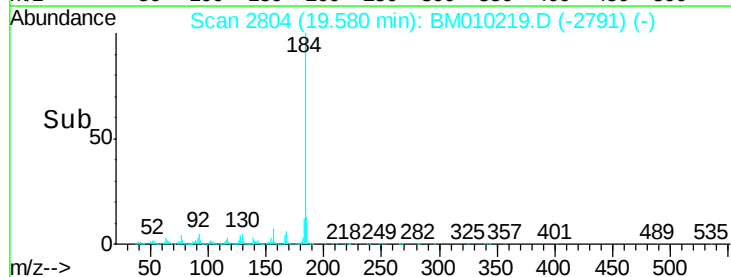
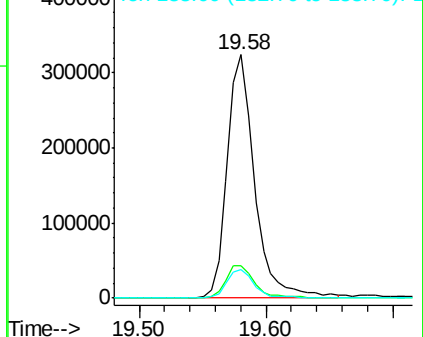
183 11.8 8.9 13.3

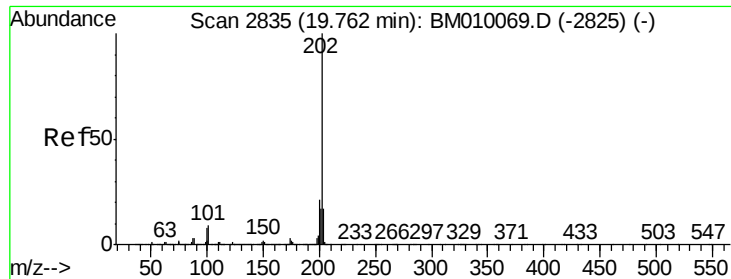


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 47.01 ng

RT: 19.74 min Scan# 2831

Delta R.T. -0.02 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

Instrument :

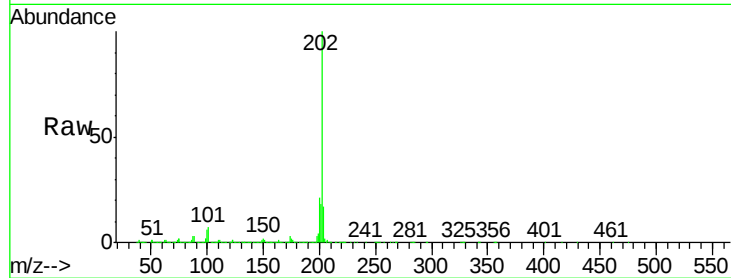
BNA_M

ClientSampleId :

RAV-GT-104MSD

Tgt Ion:202 Resp: 2648504

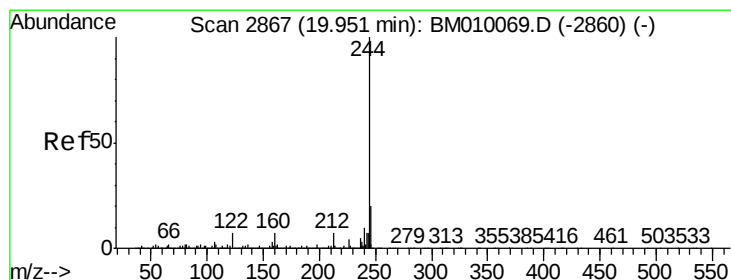
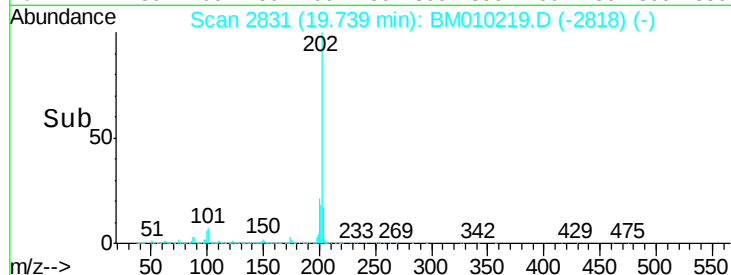
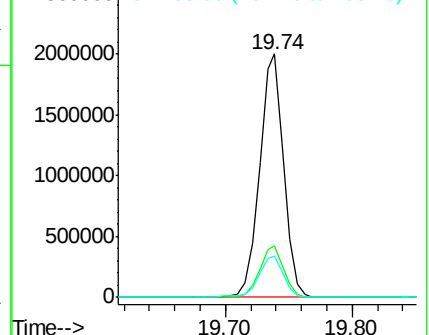
Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.0	14.1	21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 89.94 ng

RT: 19.93 min Scan# 2863

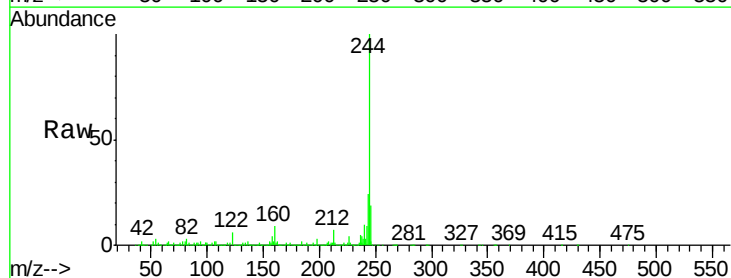
Delta R.T. -0.02 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

Tgt Ion:244 Resp: 4156569

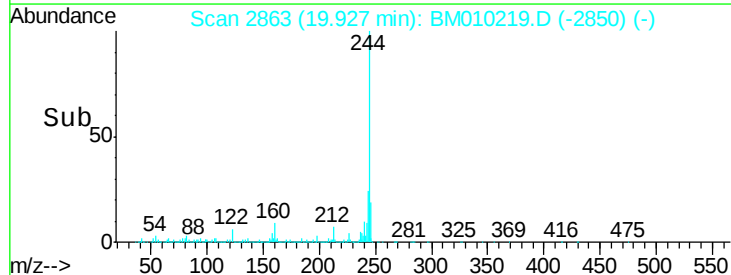
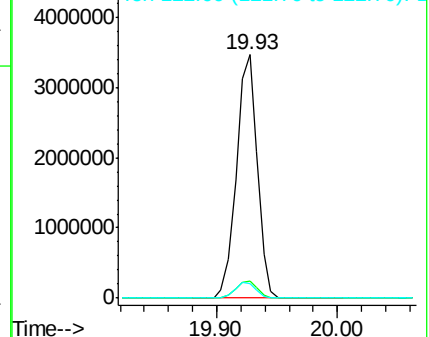
Ion	Ratio	Lower	Upper
244	100		
212	7.3	4.9	7.3
122	6.1	6.2	9.4

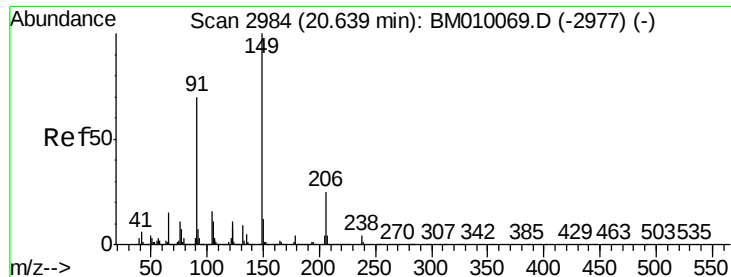


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 47.05 ng

RT: 20.61 min Scan# 2979

Delta R.T. -0.03 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

Instrument :

BNA_M

ClientSampleId :

RAV-GT-104MSD

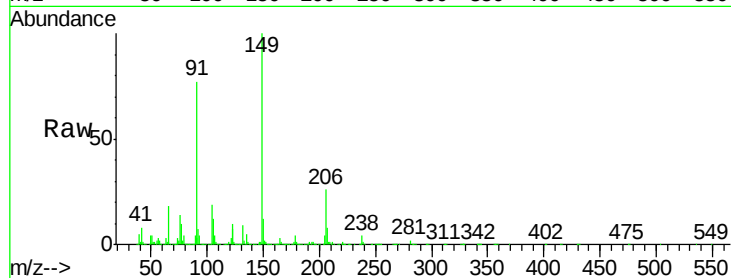
Tgt Ion:149 Resp: 981308

Ion Ratio Lower Upper

149 100

91 77.2 50.1 75.1#

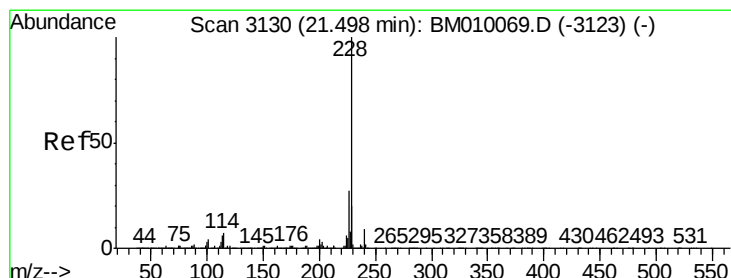
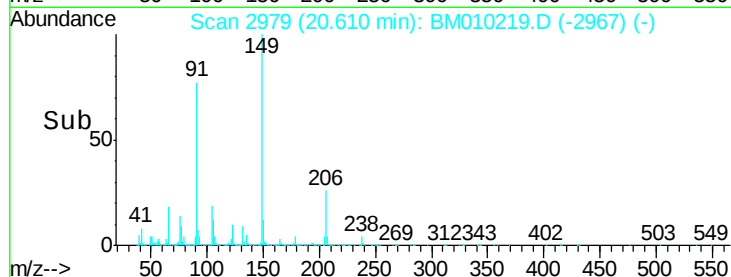
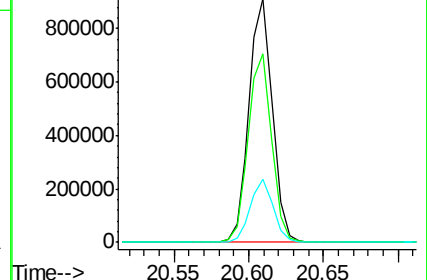
206 26.0 16.2 24.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 50.89 ng

RT: 21.47 min Scan# 3125

Delta R.T. -0.03 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

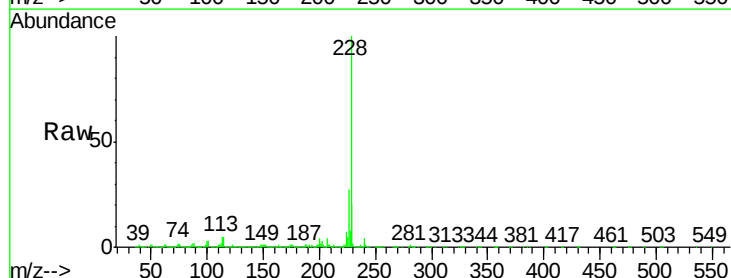
Tgt Ion:228 Resp: 2947381

Ion Ratio Lower Upper

228 100

226 27.3 21.7 32.5

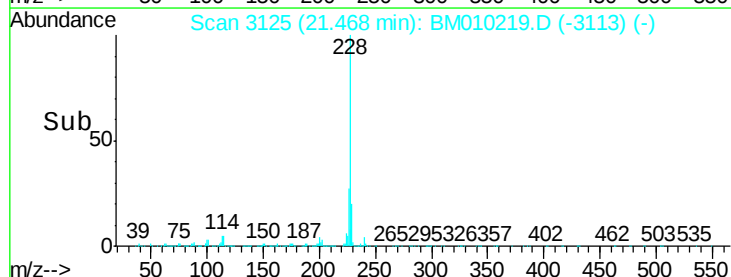
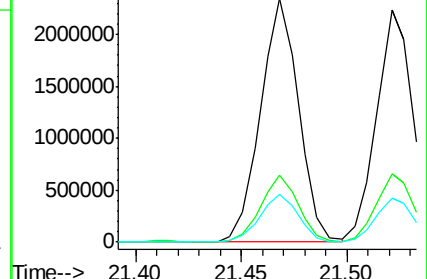
229 19.6 16.0 24.0

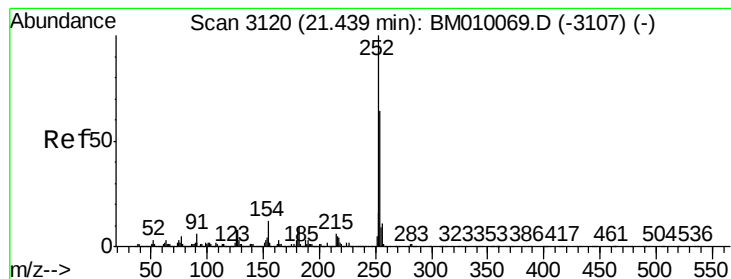


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

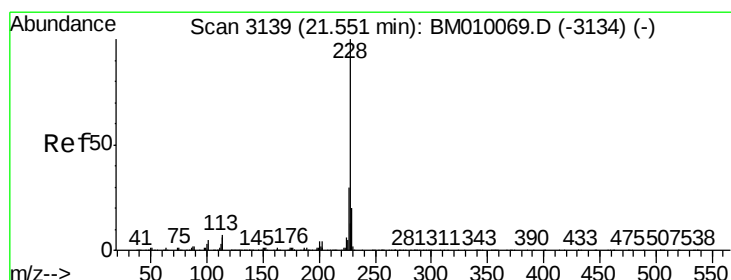
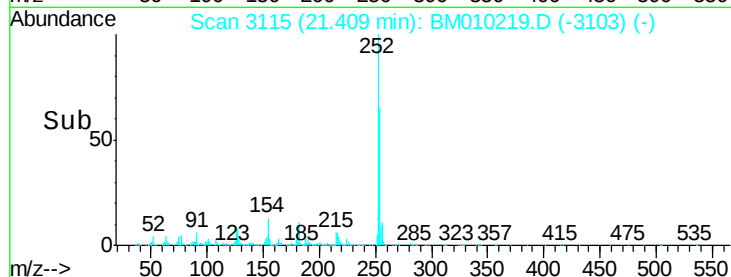
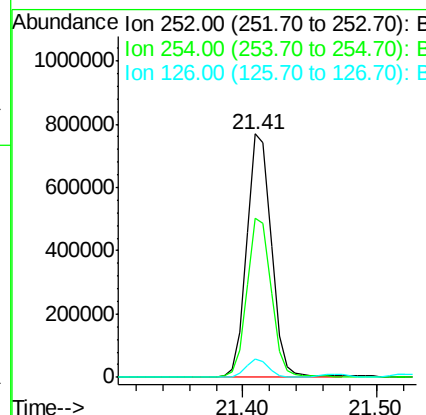
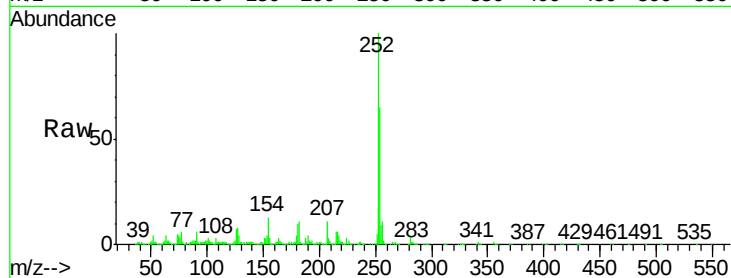




#81
 3,3'-Dichlorobenzidine
 Concen: 41.85 ng
 RT: 21.41 min Scan# 3115
 Delta R.T. -0.03 min
 Lab File: BM010219.D
 Acq: 25 May 2017 16:20

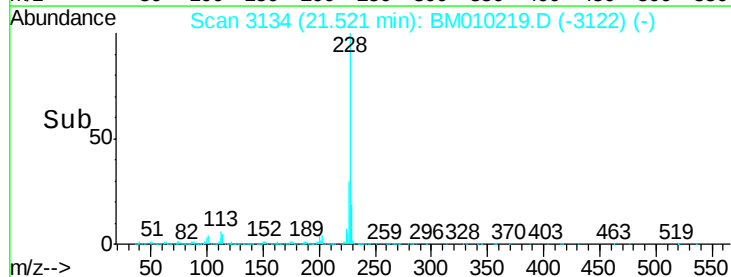
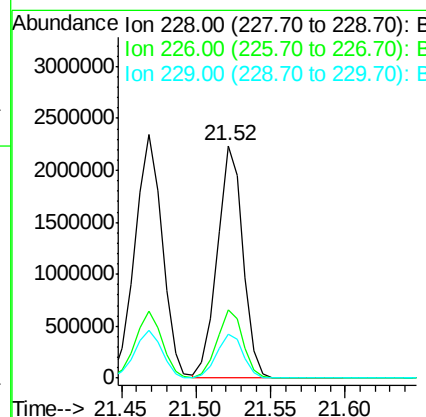
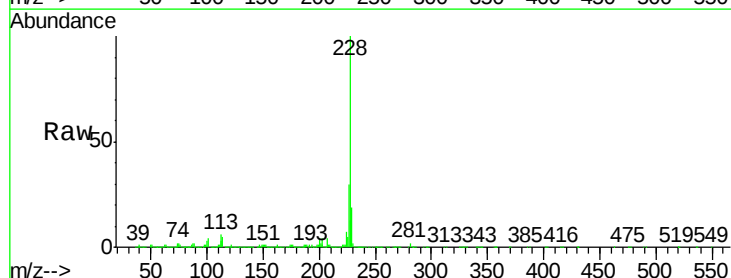
Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-104MSD

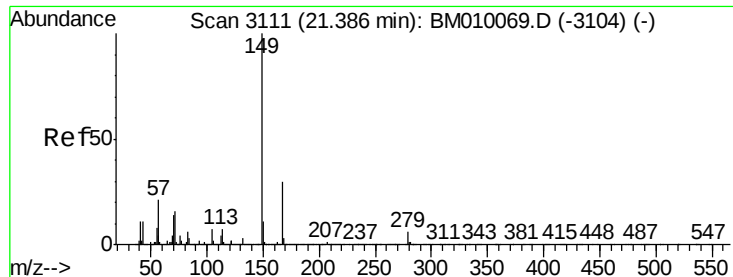
Tgt Ion:252 Resp: 974987
 Ion Ratio Lower Upper
 252 100
 254 65.5 51.9 77.9
 126 7.3 9.8 14.8#



#82
 Chrysene
 Concen: 48.79 ng
 RT: 21.52 min Scan# 3134
 Delta R.T. -0.03 min
 Lab File: BM010219.D
 Acq: 25 May 2017 16:20

Tgt Ion:228 Resp: 2679936
 Ion Ratio Lower Upper
 228 100
 226 29.6 24.1 36.1
 229 19.2 15.5 23.3

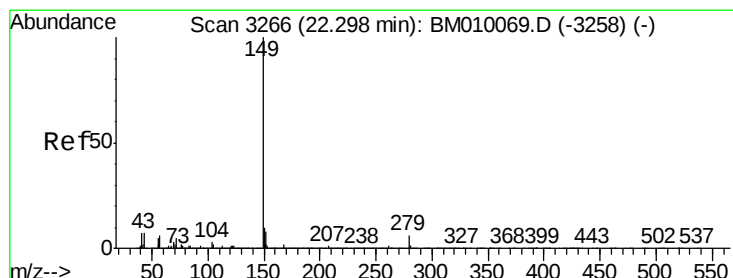
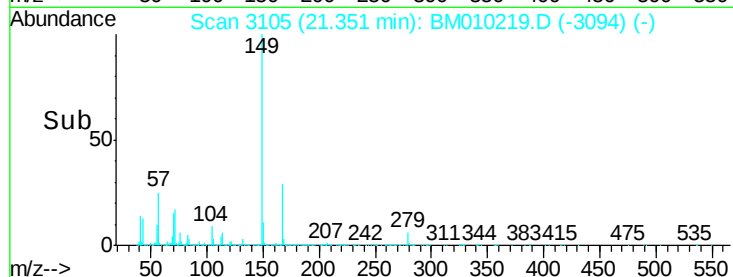
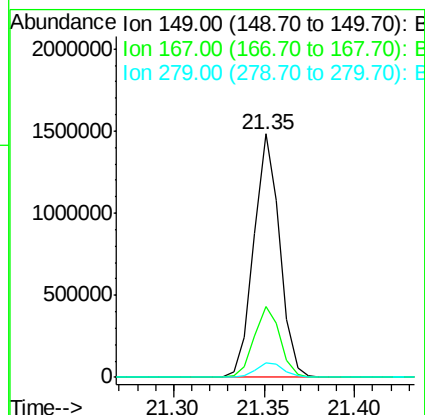
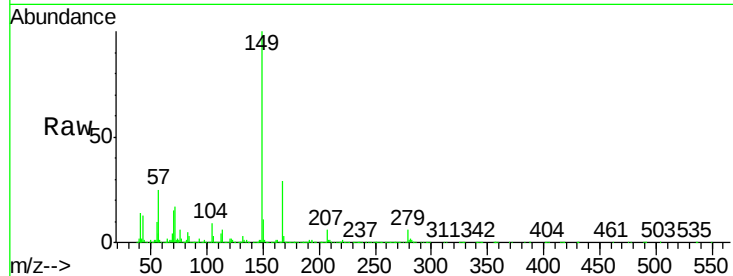




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 46.72 ng
 RT: 21.35 min Scan# 3105
 Delta R.T. -0.04 min
 Lab File: BM010219.D
 Acq: 25 May 2017 16:20

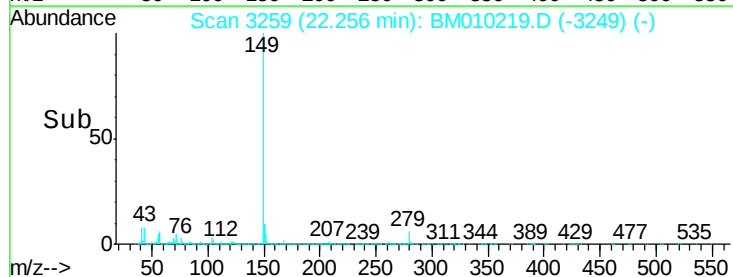
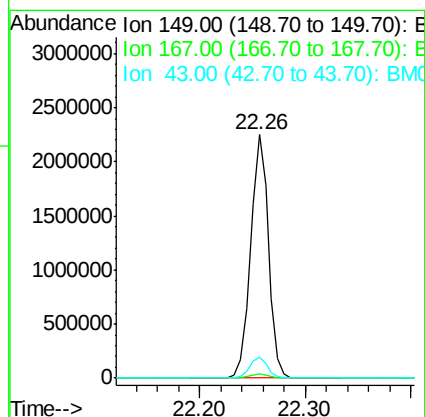
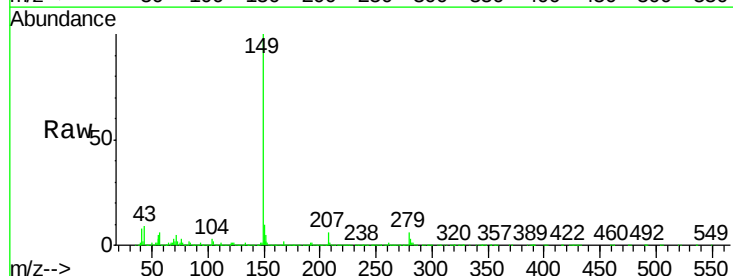
Instrument :
 BNA_M
 ClientSampleId :
 RAV-GT-104MSD

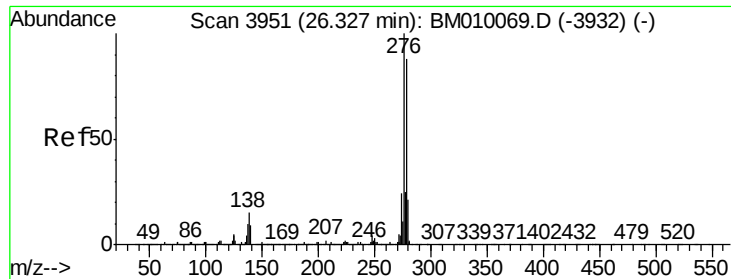
Tgt Ion:149 Resp: 1457055
 Ion Ratio Lower Upper
 149 100
 167 29.3 22.4 33.6
 279 5.9 3.4 5.0#



#84
 Di-n-octyl phthalate
 Concen: 46.98 ng
 RT: 22.26 min Scan# 3259
 Delta R.T. -0.04 min
 Lab File: BM010219.D
 Acq: 25 May 2017 16:20

Tgt Ion:149 Resp: 2623112
 Ion Ratio Lower Upper
 149 100
 167 1.8 1.2 1.8#
 43 8.5 7.3 10.9

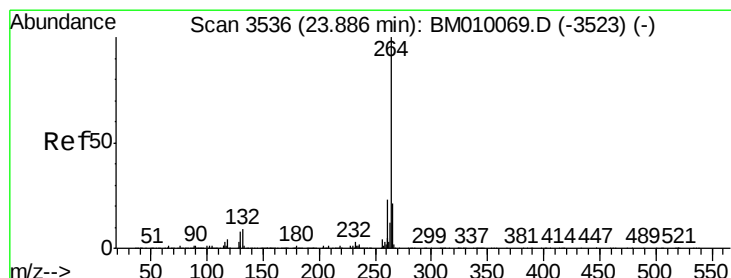
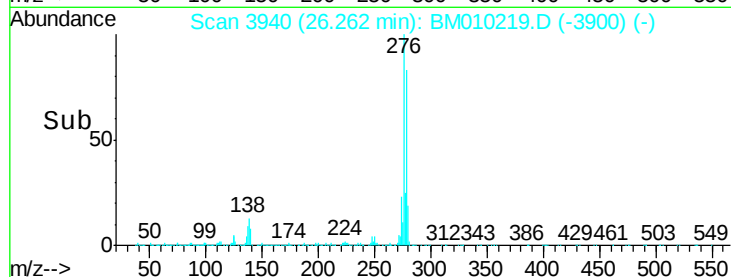
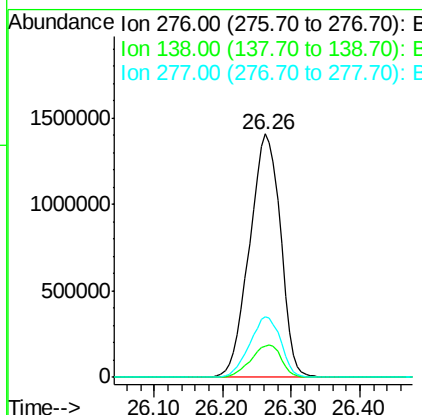
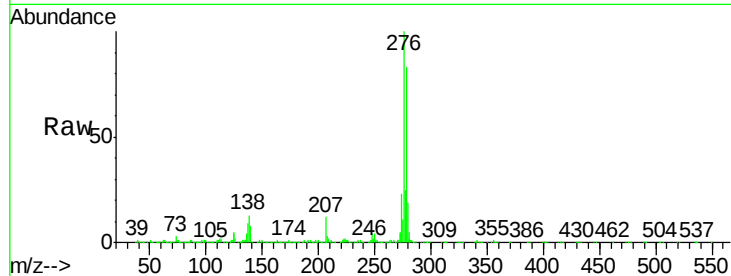




#85
Indeno(1,2,3-cd)pyrene
Concen: 55.09 ng
RT: 26.26 min Scan# 3940
Delta R.T. -0.06 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

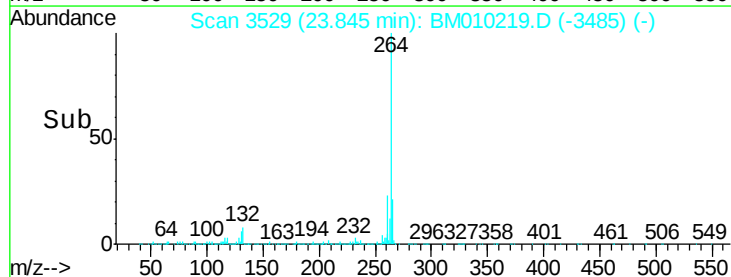
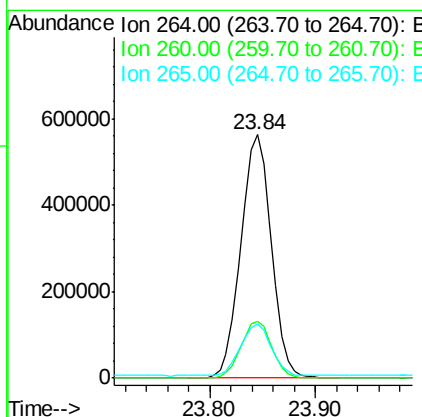
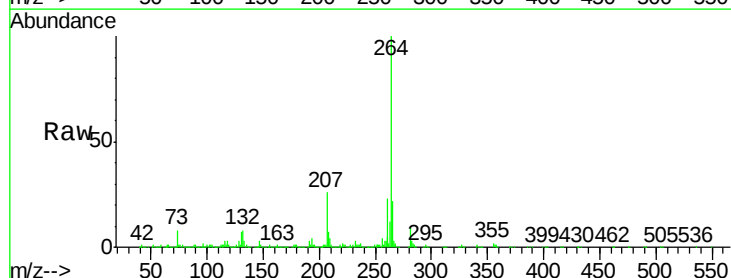
Instrument :
BNA_M
ClientSampleId :
RAV-GT-104MSD

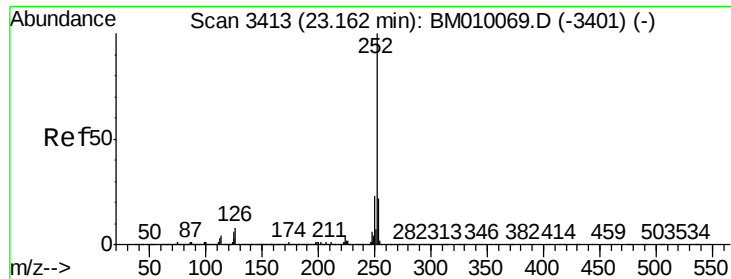
Tgt Ion:276 Resp: 4437002
Ion Ratio Lower Upper
276 100
138 13.2 0.0 0.0#
277 25.1 0.0 0.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.84 min Scan# 3529
Delta R.T. -0.04 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

Tgt Ion:264 Resp: 1132553
Ion Ratio Lower Upper
264 100
260 23.4 18.6 27.8
265 22.1 17.3 25.9

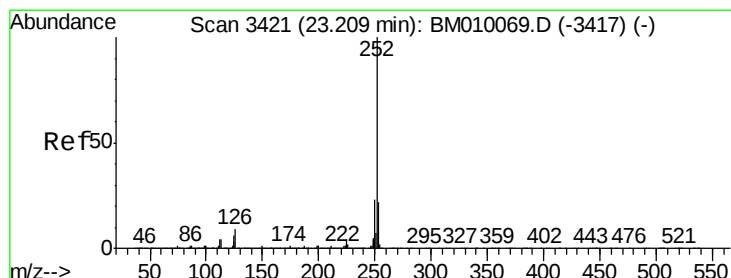
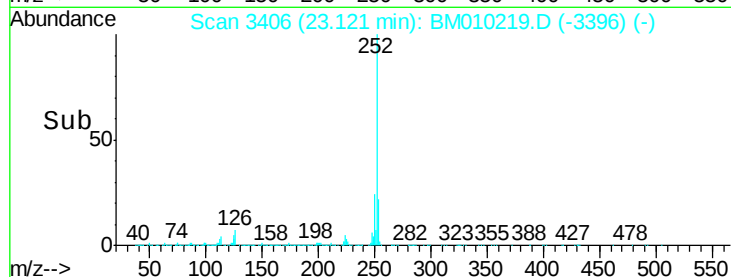
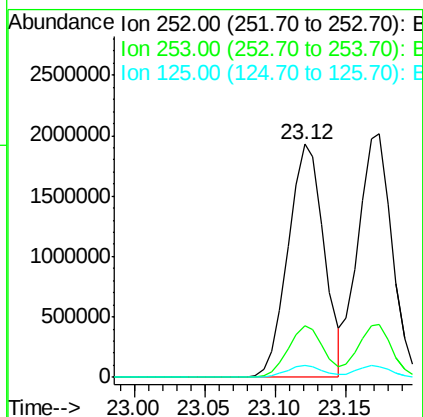
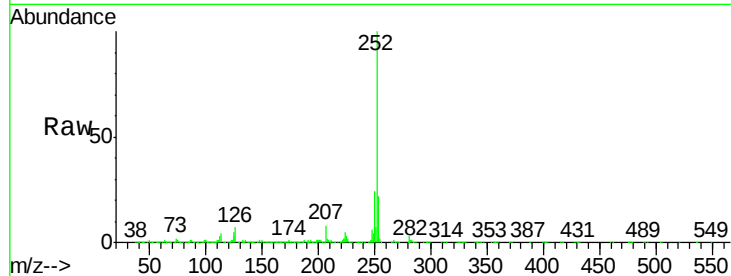




#87
Benzo(b)fluoranthene
Concen: 51.45 ng
RT: 23.12 min Scan# 3406
Delta R.T. -0.04 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

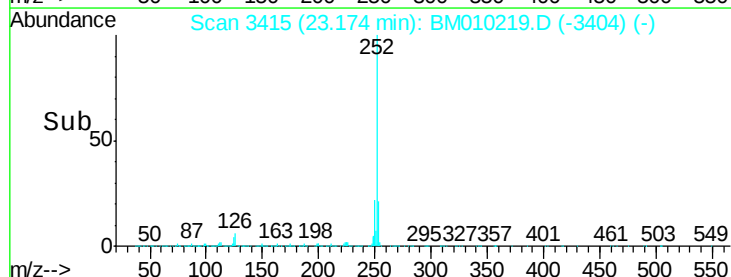
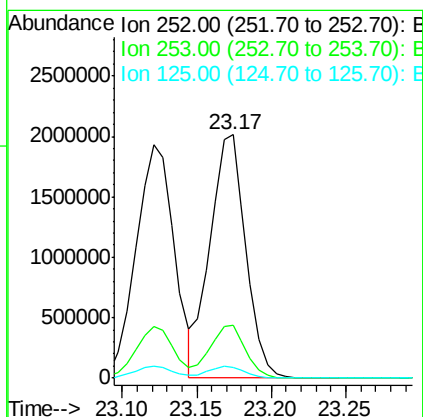
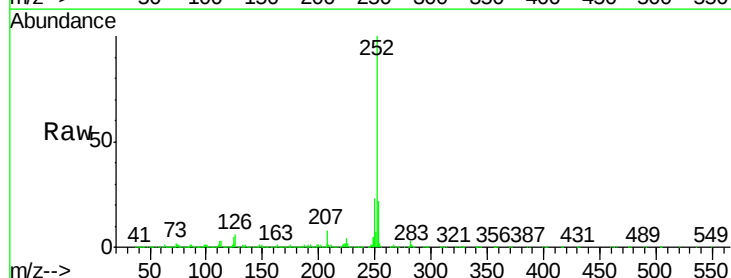
Instrument :
BNA_M
ClientSampleId :
RAV-GT-104MSD

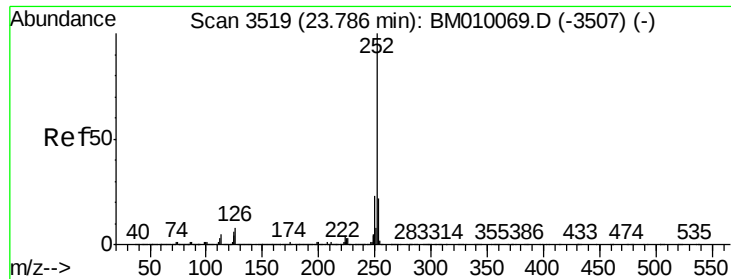
Tgt Ion:252 Resp: 3410156
Ion Ratio Lower Upper
252 100
253 22.0 18.0 27.0
125 5.3 9.9 14.9#



#88
Benzo(k)fluoranthene
Concen: 51.48 ng
RT: 23.17 min Scan# 3415
Delta R.T. -0.04 min
Lab File: BM010219.D
Acq: 25 May 2017 16:20

Tgt Ion:252 Resp: 3343077
Ion Ratio Lower Upper
252 100
253 21.7 17.2 25.8
125 4.6 8.1 12.1#





#89

Benzo(a)pyrene

Concen: 52.69 ng

RT: 23.74 min Scan# 3511

Delta R.T. -0.05 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

Instrument :

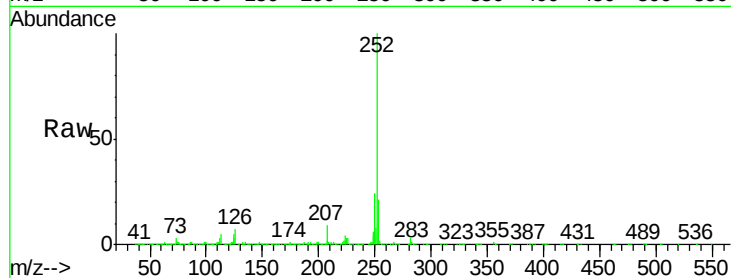
BNA_M

ClientSampleId :

RAV-GT-104MSD

Tgt Ion:252 Resp: 3327940

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.6	26.4
125	5.5	7.4	11.2#

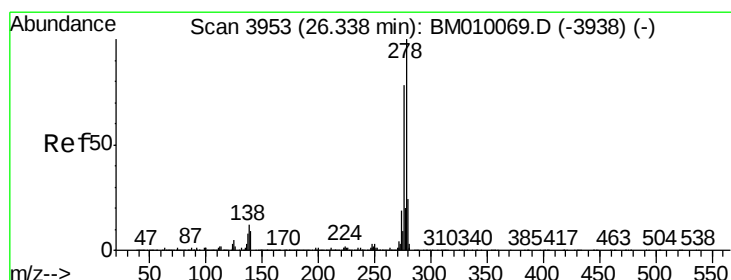
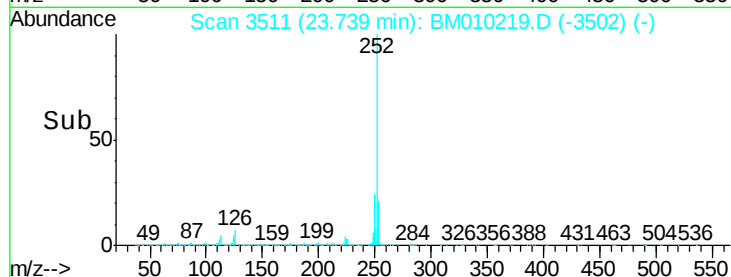
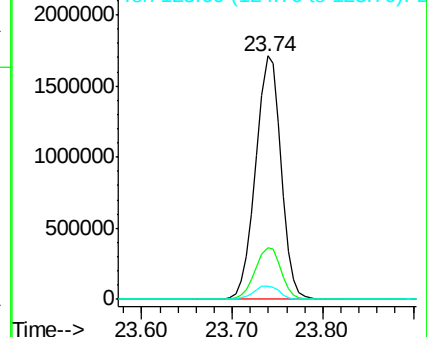


Abundance

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



#90

Dibenzo(a,h)anthracene

Concen: 52.78 ng

RT: 26.27 min Scan# 3942

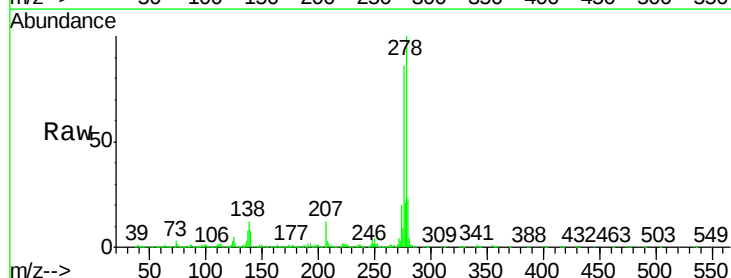
Delta R.T. -0.06 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

Tgt Ion:278 Resp: 3727609

Ion	Ratio	Lower	Upper
278	100		
139	8.1	13.4	20.0#
279	23.2	19.0	28.4

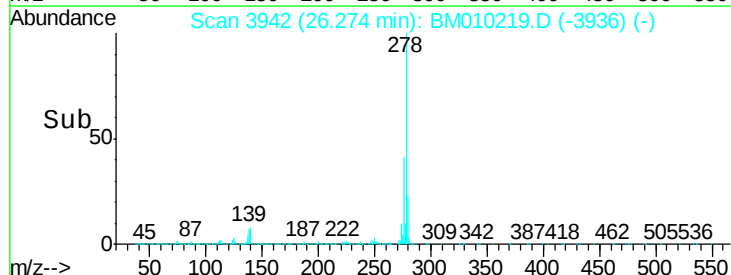
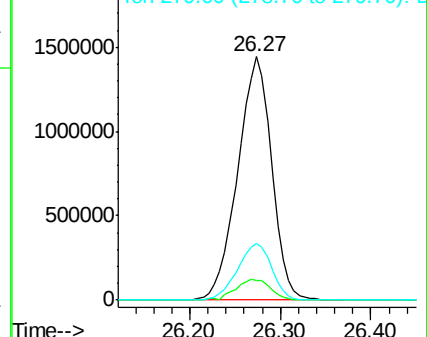


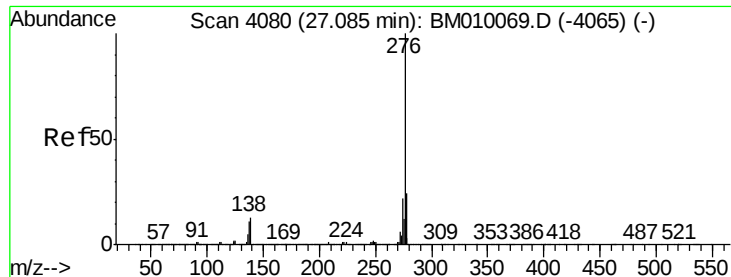
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 51.87 ng

RT: 27.02 min Scan# 4069

Delta R.T. -0.06 min

Lab File: BM010219.D

Acq: 25 May 2017 16:20

Instrument :

BNA_M

ClientSampleId :

RAV-GT-104MSD

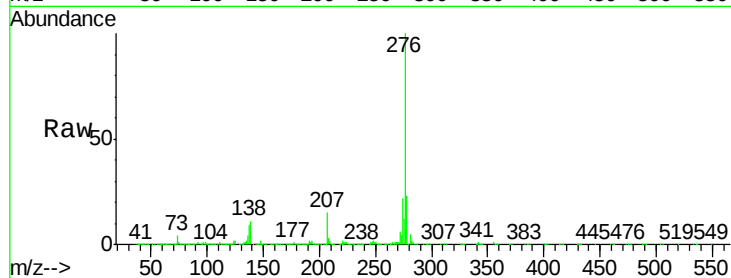
Tgt Ion:276 Resp: 3589638

Ion Ratio Lower Upper

276 100

277 22.5 18.5 27.7

138 10.8 19.0 28.6#



Abundance Ion 276.00 (275.70 to 276.70): E

1500000 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

