

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM021219\
 Data File : BM018772.D
 Acq On : 12 Feb 2019 14:46
 Operator : JU/SJ
 Sample : PB117038BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB117038BS

Quant Time: Feb 13 01:31:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 11 16:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	310155	20.00	ng	0.00
21) Naphthalene-d8	10.50	136	1303756	20.00	ng	0.00
39) Acenaphthene-d10	14.37	164	761874	20.00	ng	0.00
64) Phenanthrene-d10	17.12	188	1773088	20.00	ng	0.00
76) Chrysene-d12	21.32	240	1998976	20.00	ng	0.00
87) Perylene-d12	23.57	264	1901089	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	2714699	143.41	ng	0.00
7) Phenol-d6	6.90	99	3879634	145.48	ng	0.01
23) Nitrobenzene-d5	8.89	82	2030032	72.00	ng	0.00
42) 2,4,6-Tribromophenol	15.87	330	1723221	156.91	ng	0.00
45) 2-Fluorobiphenyl	12.98	172	4065626	70.84	ng	0.00
79) Terphenyl-d14	19.75	244	7591537	78.34	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.26	88	339933	41.231	ng	100
3) Pyridine	3.66	79	1056989	47.000	ng	99
4) n-Nitrosodimethylamine	3.58	42	295040	51.570	ng	94
6) Aniline	7.06	93	1478108	45.239	ng	100
8) 2-Chlorophenol	7.28	128	892485	42.943	ng	97
9) Benzaldehyde	6.87	77	810272	65.845	ng	99
10) Phenol	6.92	94	1224024	43.623	ng	100
11) bis(2-Chloroethyl)ether	7.16	93	905219	42.292	ng	97
12) 1,3-Dichlorobenzene	7.60	146	969029	41.466	ng	98
13) 1,4-Dichlorobenzene	7.75	146	988083	41.532	ng	100
14) 1,2-Dichlorobenzene	8.06	146	951383	41.631	ng	98
15) Benzyl Alcohol	7.97	79	933877	44.073	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.24	45	856677	41.354	ng	98
17) 2-Methylphenol	8.16	107	782488	43.816	ng	99
18) Hexachloroethane	8.78	117	368180	42.394	ng	99
19) n-Nitroso-di-n-propylamine	8.53	70	895936	43.392	ng	99
20) 3+4-Methylphenols	8.49	107	1080106	43.799	ng	99
22) Acetophenone	8.55	105	1471416	41.097	ng	# 99
24) Nitrobenzene	8.93	77	1240581	42.387	ng	100
25) Isophorone	9.45	82	2244306	49.885	ng	99
26) 2-Nitrophenol	9.63	139	505102	43.336	ng	99
27) 2,4-Dimethylphenol	9.69	122	832373	48.895	ng	97
28) bis(2-Chloroethoxy)methane	9.93	93	1284629	44.156	ng	100
29) 2,4-Dichlorophenol	10.16	162	860088	44.001	ng	100
30) 1,2,4-Trichlorobenzene	10.37	180	934847	41.412	ng	98
31) Naphthalene	10.56	128	2848461	44.797	ng	100
32) Benzoic acid	9.85	122	583288	39.279	ng	96
33) 4-Chloroaniline	10.68	127	1256583	44.209	ng	99
34) Hexachlorobutadiene	10.82	225	517194	39.472	ng	100
35) Caprolactam	11.50	113	157569	19.752	ng	96
36) 4-Chloro-3-methylphenol	11.80	107	1033126	43.837	ng	99
37) 2-Methylnaphthalene	12.17	142	2089097	46.665	ng	99
38) 1-Methylnaphthalene	12.39	142	1989656	45.449	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.54	216	1010373	41.457	ng	99

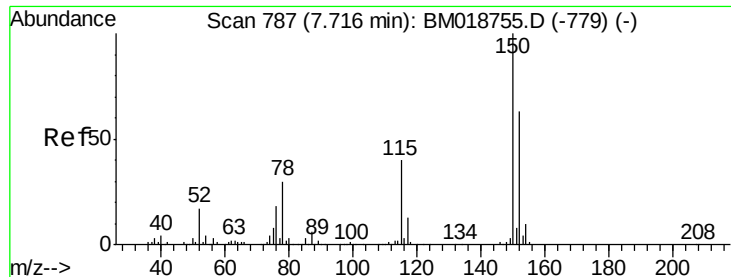
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM021219\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.51	237	1356738	108.883	ng	98
43) 2,4,6-Trichlorophenol	12.79	196	714001	44.254	ng	99
44) 2,4,5-Trichlorophenol	12.86	196	755543	44.679	ng	100
46) 1,1'-Biphenyl	13.19	154	2661689	40.587	ng	99
47) 2-Chloronaphthalene	13.24	162	2080269	41.069	ng	99
48) 2-Nitroaniline	13.46	65	747155	44.413	ng	97
49) Acenaphthylene	14.09	152	3433507	45.523	ng	99
50) Dimethylphthalate	13.83	163	2764246	43.535	ng	100
51) 2,6-Dinitrotoluene	13.96	165	606631	44.105	ng	99
52) Acenaphthene	14.43	154	1958261	42.343	ng	99
53) 3-Nitroaniline	14.30	138	651624	41.930	ng	99
54) 2,4-Dinitrophenol	14.50	184	772120	87.860	ng	98
55) Dibenzofuran	14.77	168	3207849	42.200	ng	100
56) 4-Nitrophenol	14.61	139	1092162	88.035	ng	99
57) 2,4-Dinitrotoluene	14.75	165	870014	45.909	ng	98
58) Fluorene	15.42	166	2635162	45.313	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.99	232	704436	47.127	ng	99
60) Diethylphthalate	15.20	149	2857834	43.633	ng	99
61) 4-Chlorophenyl-phenylether	15.42	204	1321568	40.532	ng	97
62) 4-Nitroaniline	15.47	138	661221	43.400	ng	98
63) Azobenzene	15.71	77	3047772	43.399	ng	99
65) 4,6-Dinitro-2-methylphenol	15.51	198	498784	40.066	ng	97
66) n-Nitrosodiphenylamine	15.63	169	2320294	41.420	ng	99
67) 4-Bromophenyl-phenylether	16.31	248	800322	40.325	ng	99
68) Hexachlorobenzene	16.42	284	932498	40.423	ng	98
69) Atrazine	16.59	200	792230	43.867	ng	99
70) Pentachlorophenol	16.76	266	1234591	83.118	ng	99
71) Phenanthrene	17.16	178	4221085	44.298	ng	100
72) Anthracene	17.25	178	4319822	46.576	ng	99
73) Carbazole	17.53	167	4012744	41.412	ng	99
74) Di-n-butylphthalate	18.09	149	4947756	44.398	ng	100
75) Fluoranthene	19.18	202	4999243	45.419	ng	98
77) Benzidine	19.38	184	5846452	129.864	ng	99
78) Pyrene	19.54	202	5153779	44.391	ng	100
80) Butylbenzylphthalate	20.45	149	2407747	45.506	ng	98
81) Benzo(a)anthracene	21.30	228	5262910	45.166	ng	100
82) 3,3'-Dichlorobenzidine	21.24	252	2068894	44.925	ng	99
83) Chrysene	21.35	228	4831662	43.261	ng	100
84) Bis(2-ethylhexyl)phthalate	21.22	149	3495000	45.131	ng	99
85) Di-n-octyl phthalate	22.10	149	6029333	46.324	ng	100
86) Indeno(1,2,3-cd)pyrene	25.87	276	5172438	40.113	ng	100
88) Benzo(b)fluoranthene	22.89	252	5125426	47.122	ng	100
89) Benzo(k)fluoranthene	22.94	252	5053387	46.667	ng	100
90) Benzo(a)pyrene	23.47	252	4855014	47.118	ng	99
91) Dibenzo(a,h)anthracene	25.88	278	4441110	43.504	ng	99
92) Benzo(g,h,i)perylene	26.57	276	4062776	42.749	ng	100

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

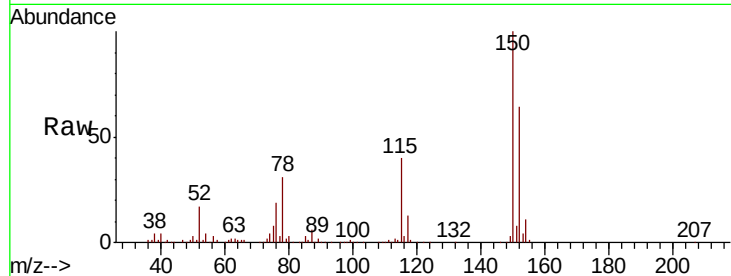


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Instrument :
BNA_M
ClientSampleId :
PB117038BS

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.3	127.3	190.9
115	61.8	50.8	76.2

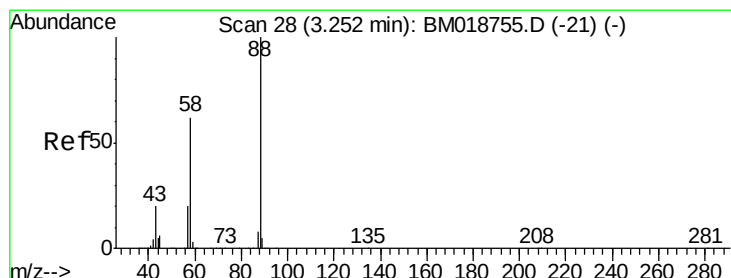
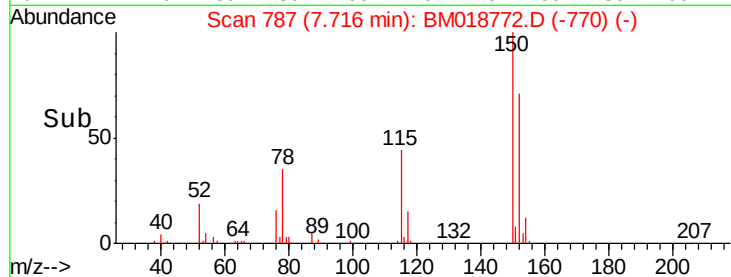
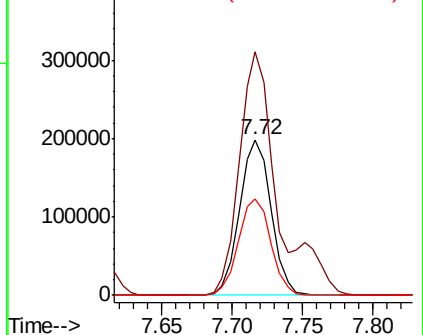


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

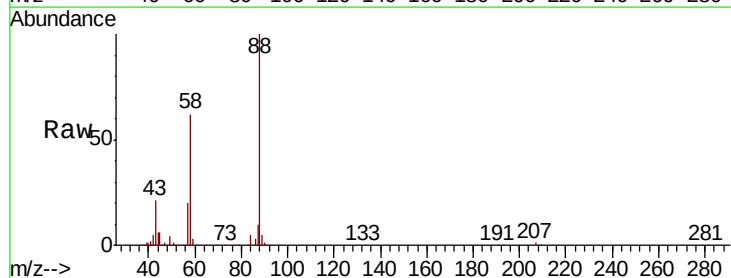
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 41.231 ng
RT: 3.26 min Scan# 29
Delta R.T. 0.01 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Tgt Ion	Ratio	Lower	Upper
88	100		
58	62.1	49.8	74.6
43	20.5	16.7	25.1

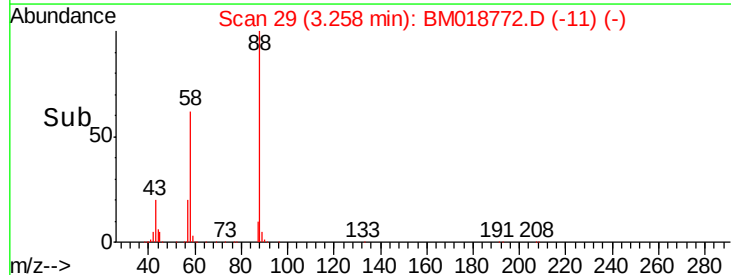
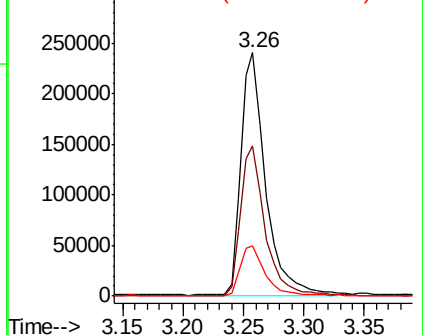


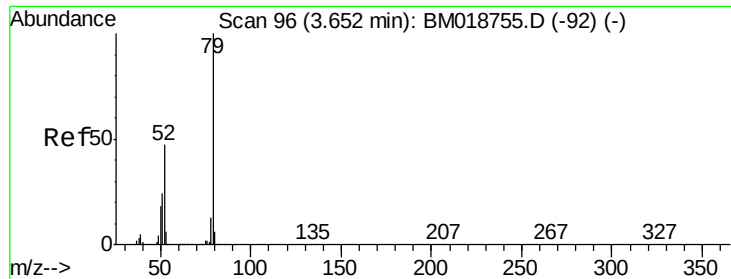
Abundance

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: 47.000 ng

RT: 3.66 min Scan# 97

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

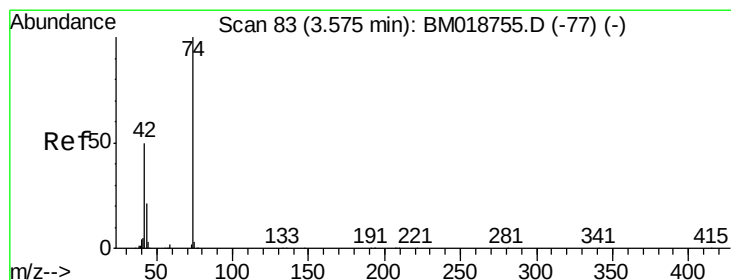
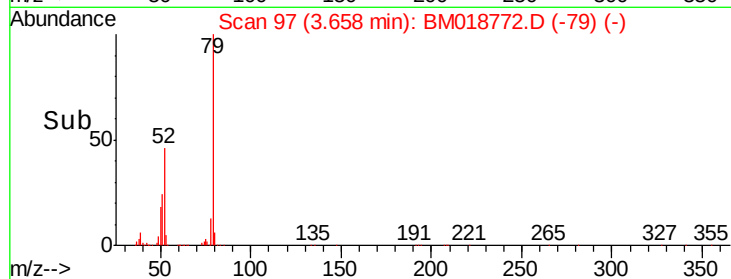
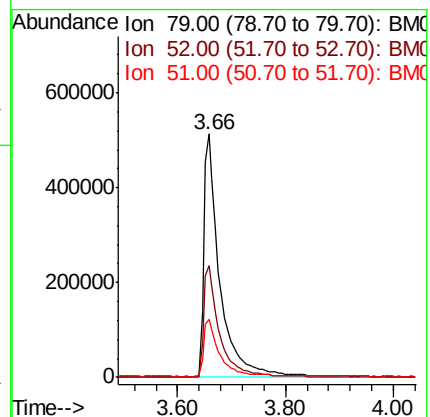
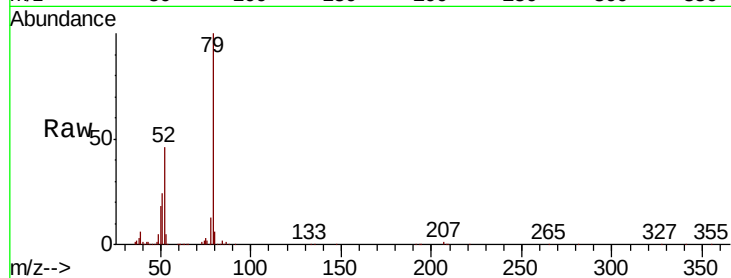
Tgt Ion: 79 Resp: 1056989

Ion Ratio Lower Upper

79 100

52 46.0 37.6 56.4

51 24.1 19.7 29.5



#4

n-Nitrosodimethylamine

Concen: 51.570 ng

RT: 3.58 min Scan# 83

Delta R.T. -0.00 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

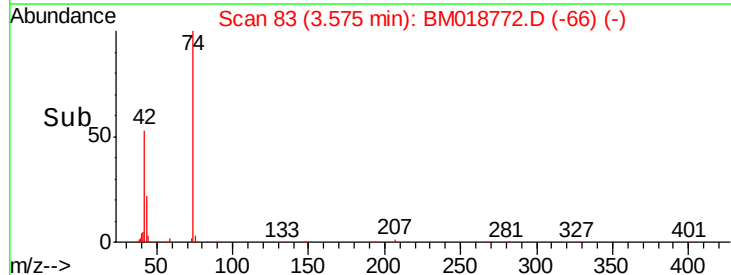
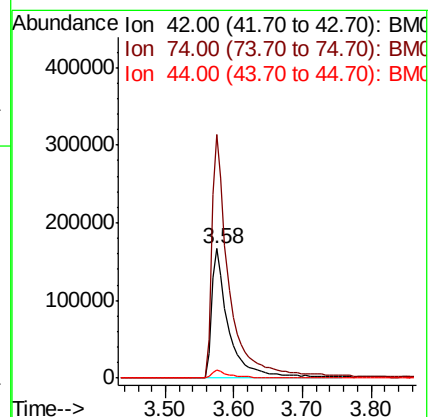
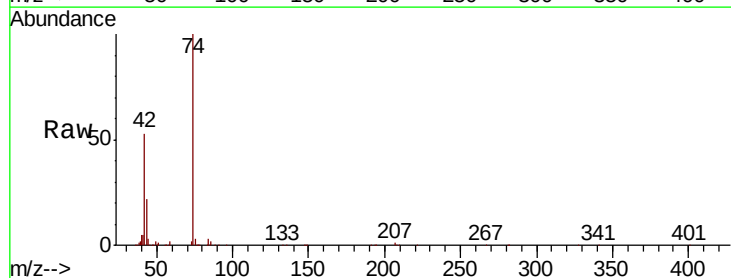
Tgt Ion: 42 Resp: 295040

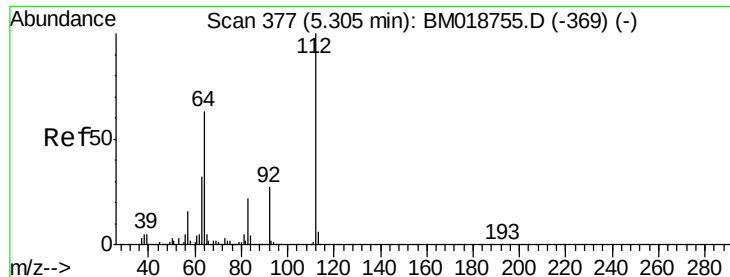
Ion Ratio Lower Upper

42 100

74 188.5 158.1 237.1

44 5.9 4.9 7.3





#5

2-Fluorophenol

Concen: 143.411 ng

RT: 5.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

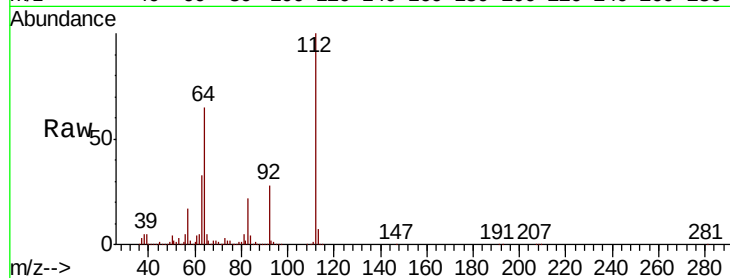
Tgt Ion: 112 Resp: 2714699

Ion Ratio Lower Upper

112 100

64 64.7 50.6 75.8

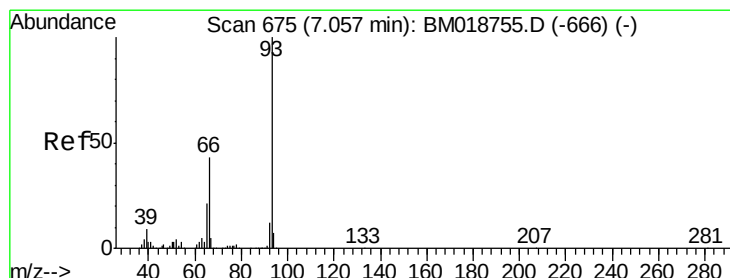
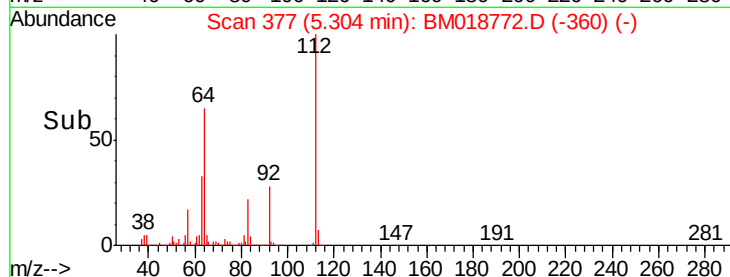
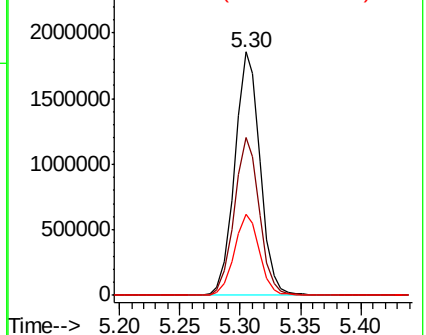
63 33.2 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 45.239 ng

RT: 7.06 min Scan# 676

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

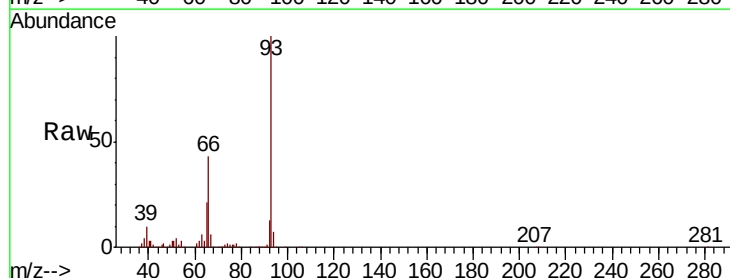
Tgt Ion: 93 Resp: 1478108

Ion Ratio Lower Upper

93 100

66 42.5 34.1 51.1

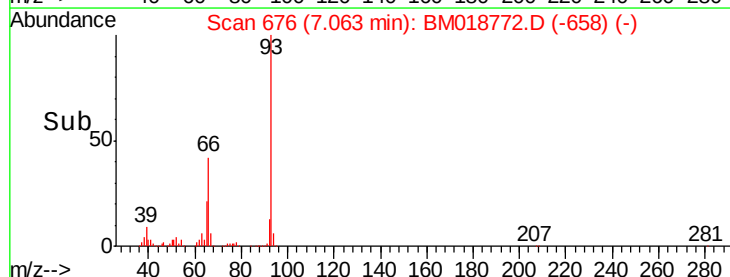
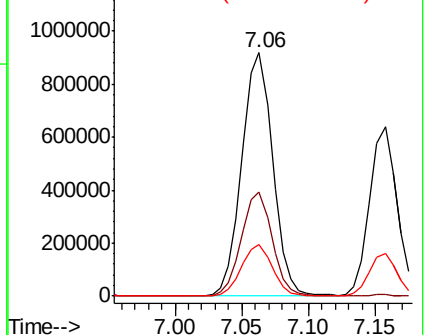
65 21.1 16.6 24.8

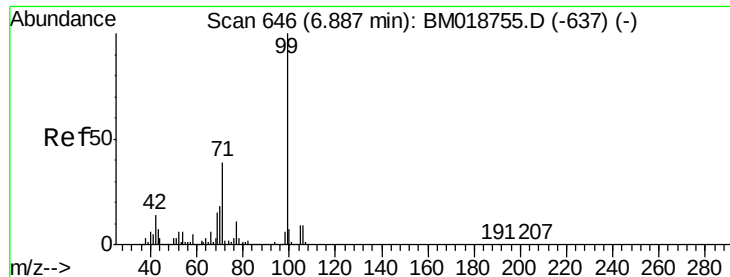


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 145.484 ng

RT: 6.90 min Scan# 648

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

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ClientSampleId :

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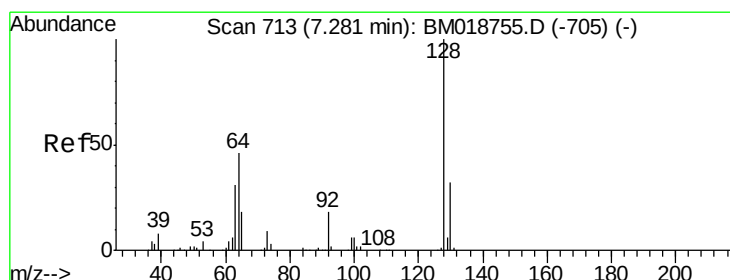
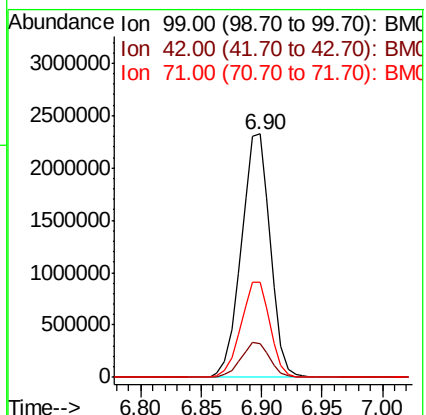
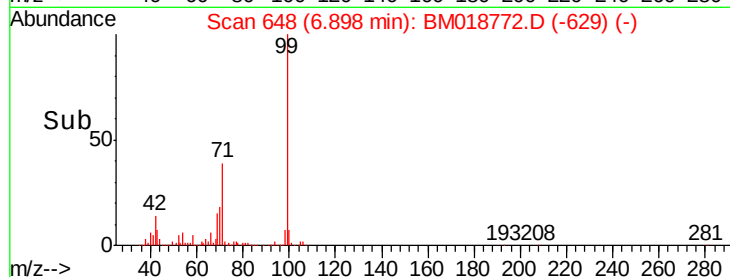
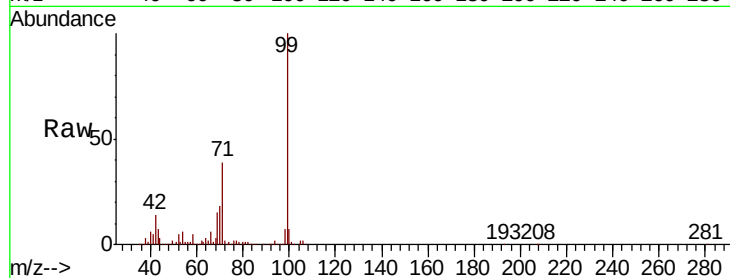
Tgt Ion: 99 Resp: 3879634

Ion Ratio Lower Upper

99 100

42 13.8 11.0 16.6

71 39.1 31.3 46.9



#8

2-Chlorophenol

Concen: 42.943 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.00 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

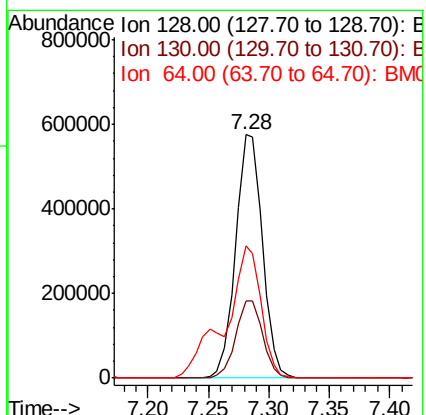
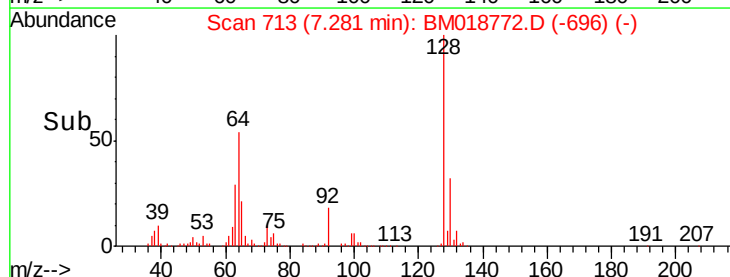
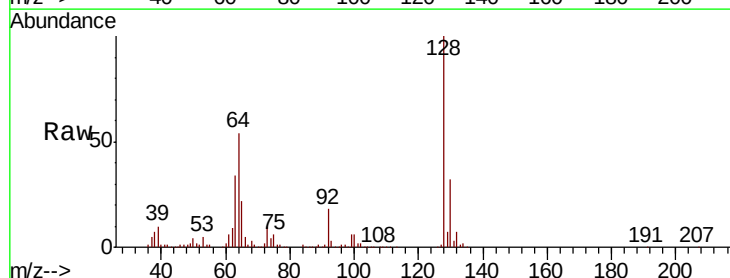
Tgt Ion: 128 Resp: 892485

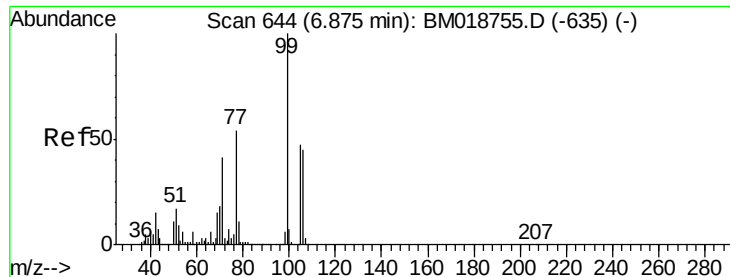
Ion Ratio Lower Upper

128 100

130 31.9 11.7 51.7

64 54.5 31.0 71.0





#9

Benzaldehyde

Concen: 65.845 ng

RT: 6.87 min Scan# 644

Delta R.T. -0.00 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

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ClientSampleId :

PB117038BS

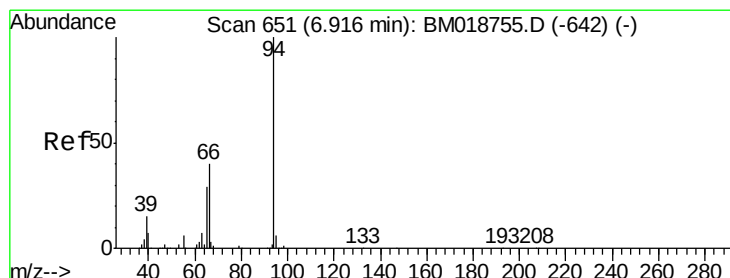
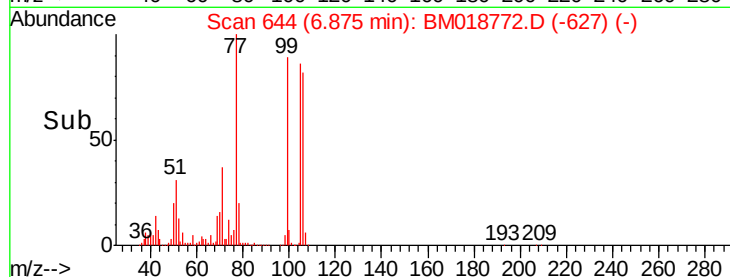
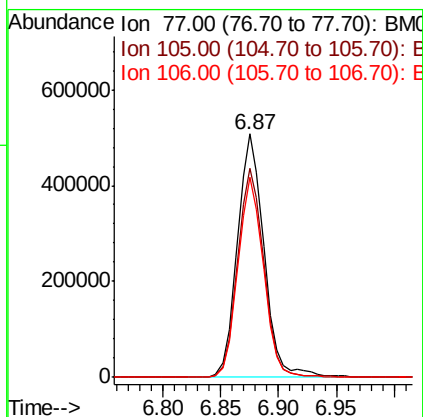
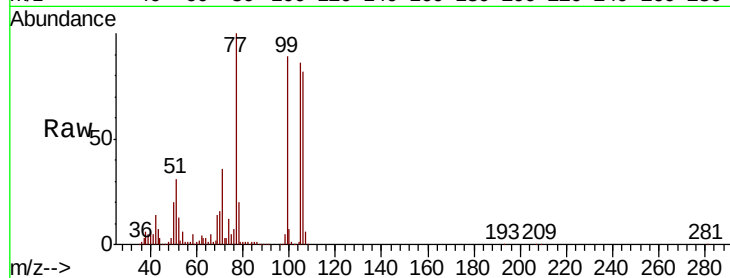
Tgt Ion: 77 Resp: 810272

Ion Ratio Lower Upper

77 100

105 85.9 67.3 107.3

106 82.2 62.9 102.9



#10

Phenol

Concen: 43.623 ng

RT: 6.92 min Scan# 652

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

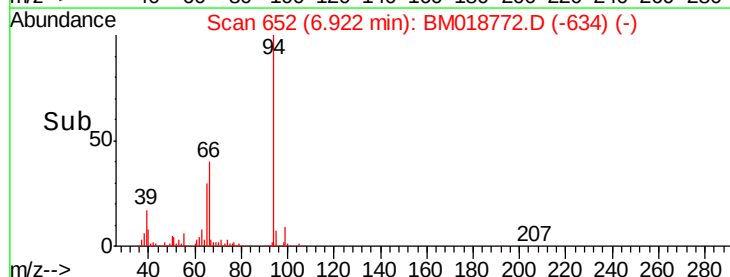
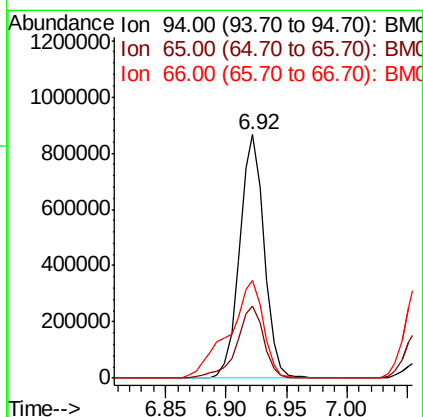
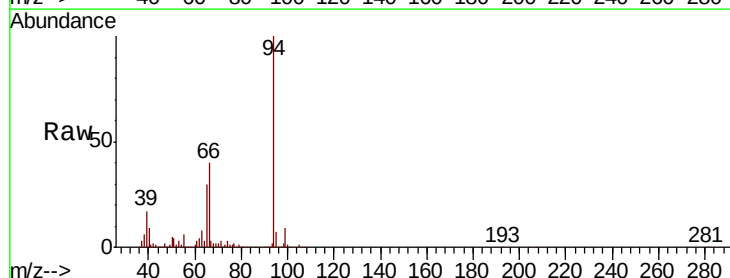
Tgt Ion: 94 Resp: 1224024

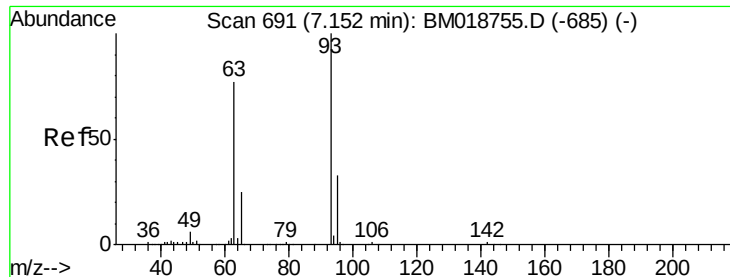
Ion Ratio Lower Upper

94 100

65 29.6 9.6 49.6

66 40.4 20.4 60.4

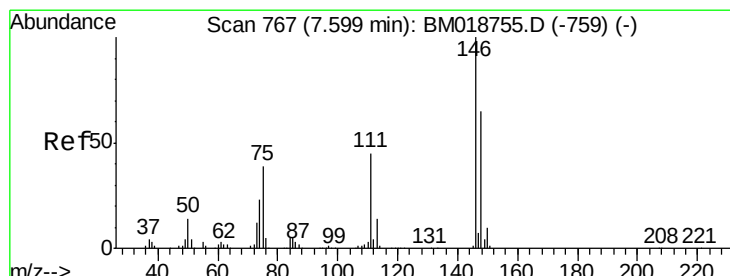
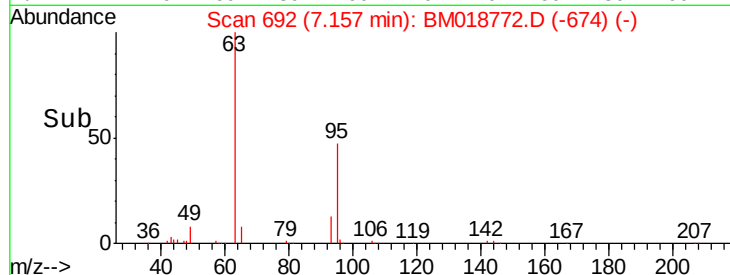
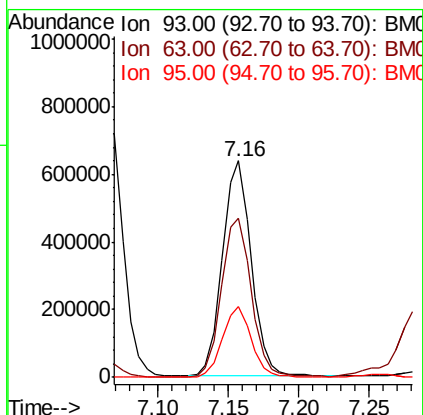
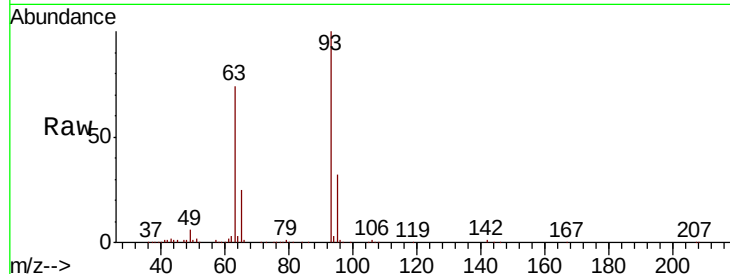




#11
bis(2-Chloroethyl)ether
Concen: 42.292 ng
RT: 7.16 min Scan# 692
Delta R.T. 0.01 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

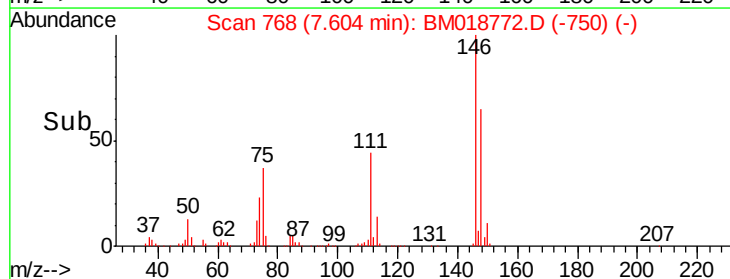
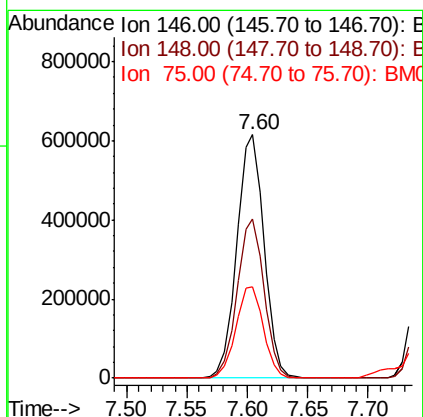
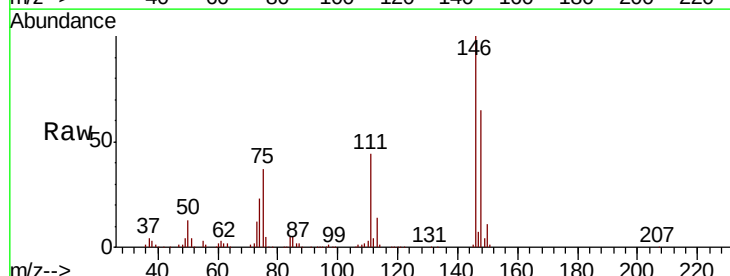
Instrument :
BNA_M
ClientSampleId :
PB117038BS

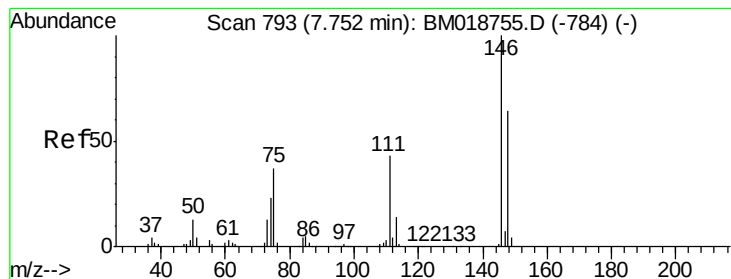
Tgt Ion: 93 Resp: 905219
Ion Ratio Lower Upper
93 100
63 73.5 57.0 97.0
95 32.5 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 41.466 ng
RT: 7.60 min Scan# 768
Delta R.T. 0.01 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Tgt Ion: 146 Resp: 969029
Ion Ratio Lower Upper
146 100
148 65.3 51.7 77.5
75 37.3 31.3 46.9





#13

1,4-Dichlorobenzene

Concen: 41.532 ng

RT: 7.75 min Scan# 793

Delta R.T. -0.00 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

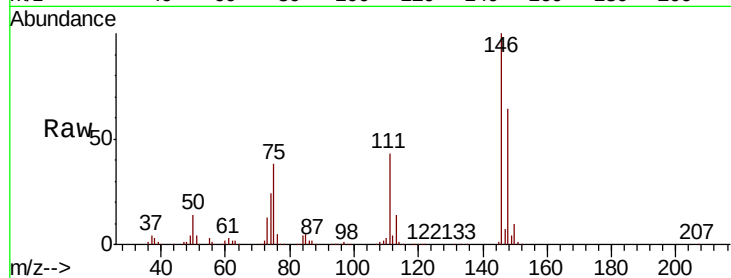
Tgt Ion:146 Resp: 988083

Ion Ratio Lower Upper

146 100

148 64.3 51.4 77.2

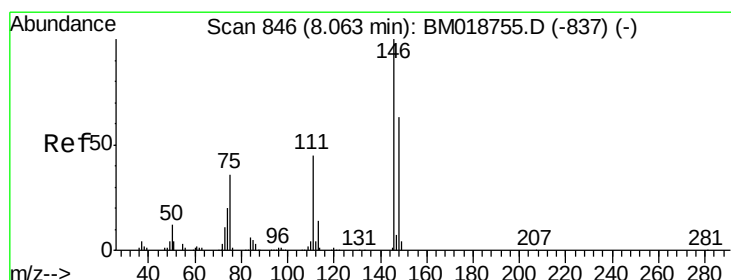
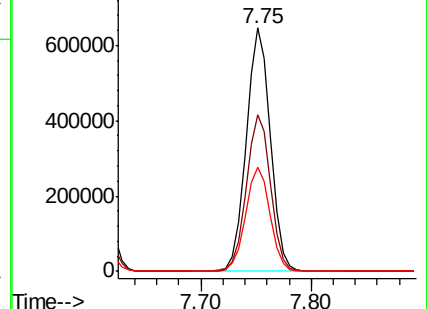
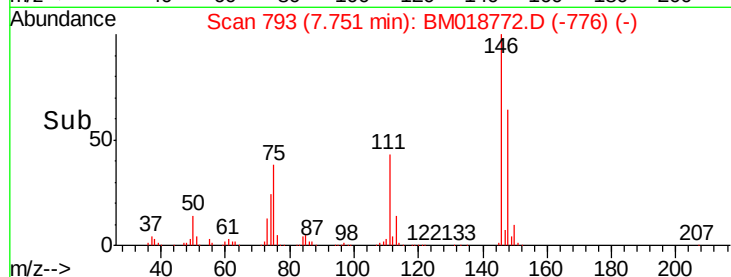
111 42.8 34.6 52.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 41.631 ng

RT: 8.06 min Scan# 846

Delta R.T. -0.00 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

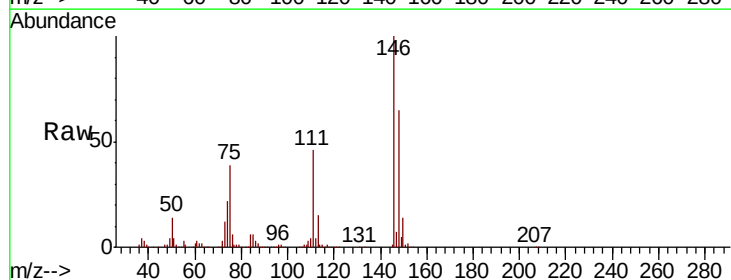
Tgt Ion:146 Resp: 951383

Ion Ratio Lower Upper

146 100

148 64.7 50.7 76.1

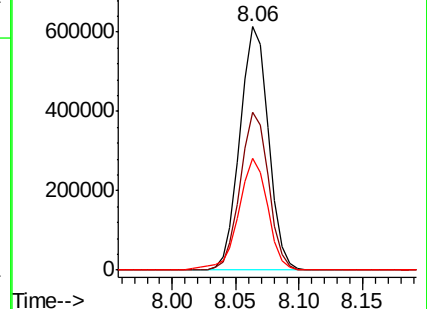
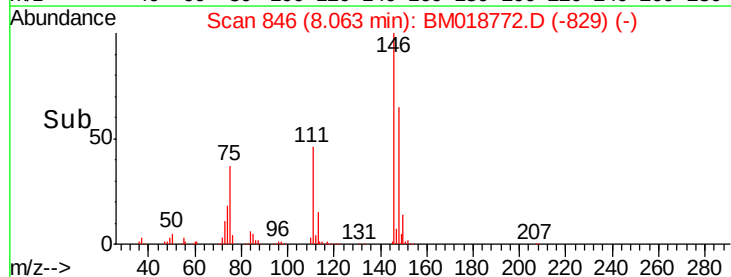
111 45.8 35.9 53.9

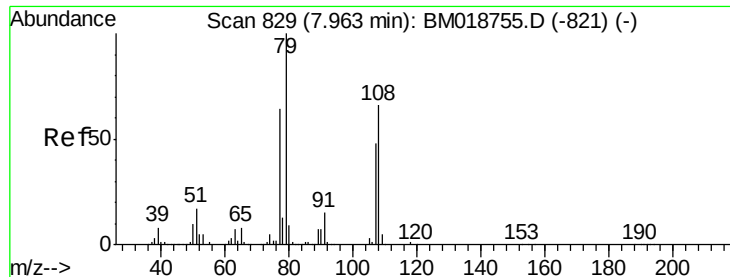


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

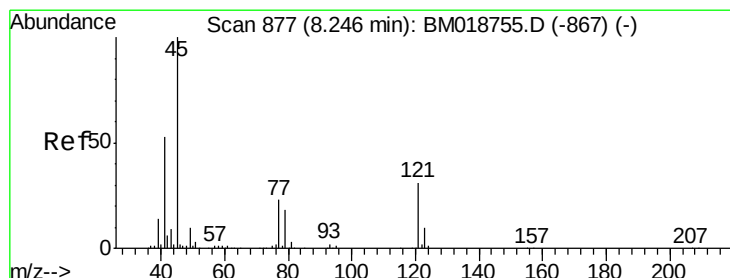
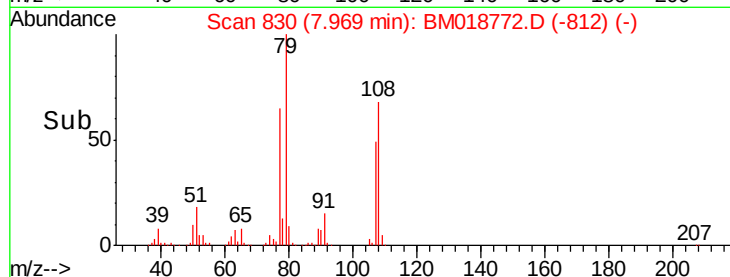
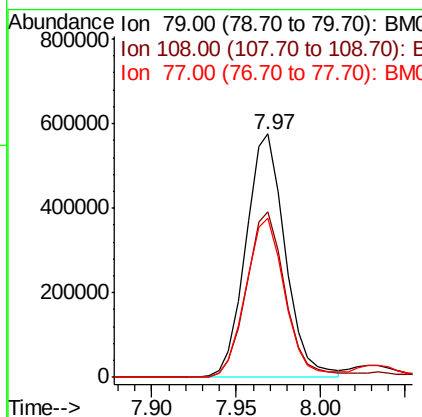
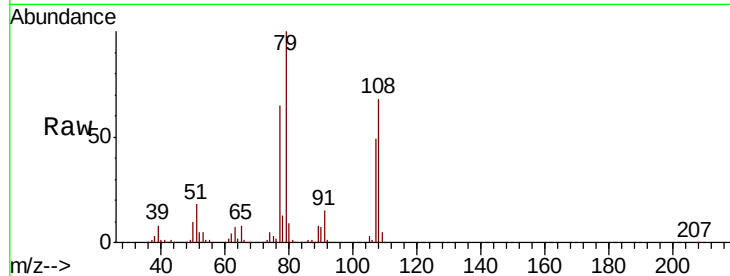




#15
Benzyl Alcohol
Concen: 44.073 ng
RT: 7.97 min Scan# 830
Delta R.T. 0.01 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

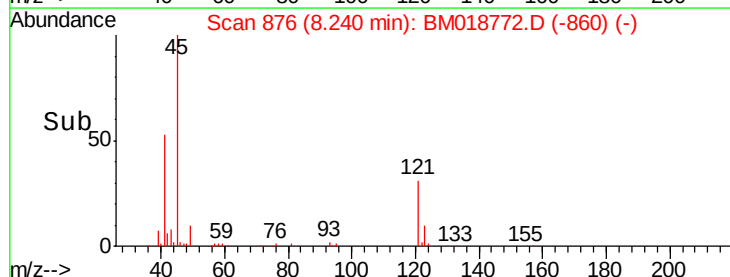
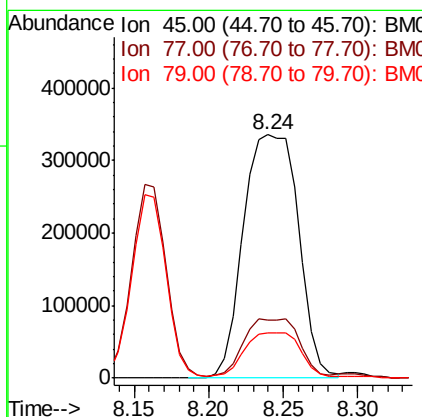
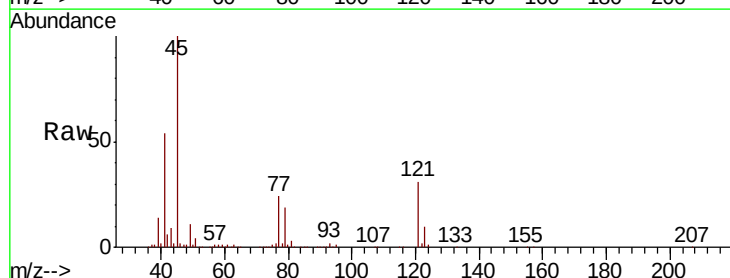
Instrument :
BNA_M
ClientSampleId :
PB117038BS

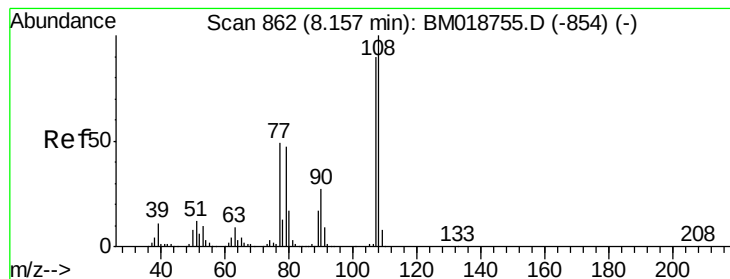
Tgt Ion: 79 Resp: 933877
Ion Ratio Lower Upper
79 100
108 68.0 52.7 79.1
77 65.1 51.0 76.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.354 ng
RT: 8.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Tgt Ion: 45 Resp: 856677
Ion Ratio Lower Upper
45 100
77 24.0 5.0 45.0
79 18.7 0.0 39.3

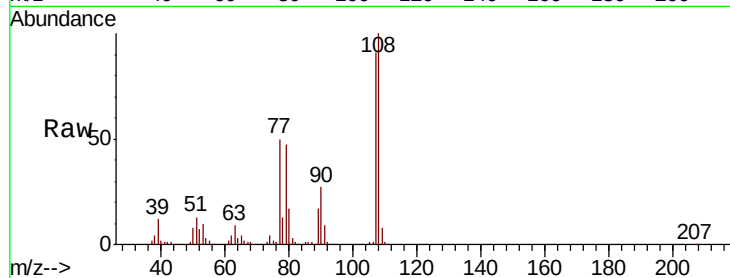




#17
2-Methylphenol
Concen: 43.816 ng
RT: 8.16 min Scan# 862
Delta R.T. -0.00 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Instrument :
BNA_M
ClientSampleId :
PB117038BS

Tgt Ion	Ratio	Lower	Upper
107	100		
108	109.6	88.8	133.2
77	54.6	44.0	66.0
79	51.7	42.4	63.6



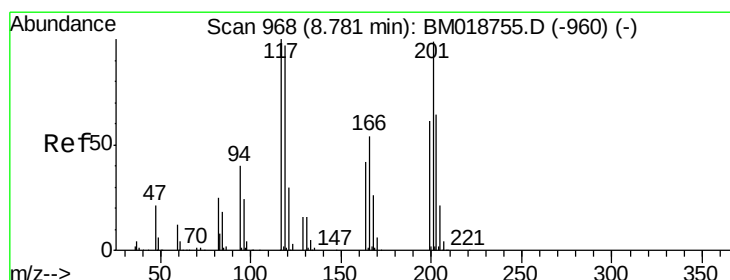
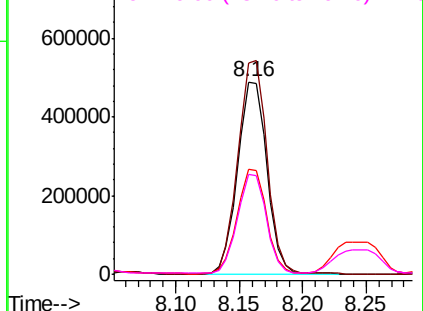
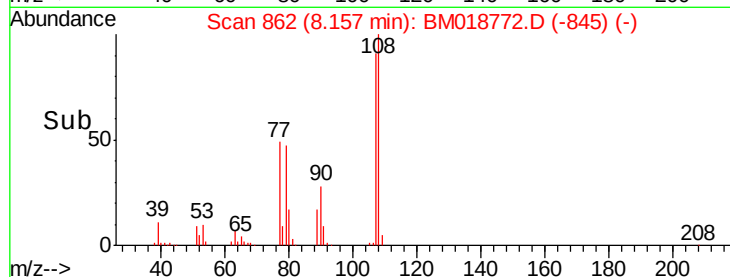
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

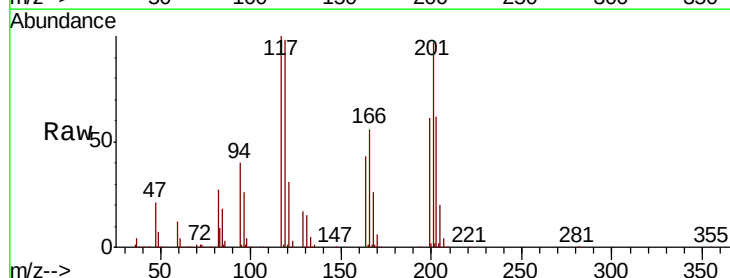
Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



#18
Hexachloroethane
Concen: 42.394 ng
RT: 8.78 min Scan# 968
Delta R.T. -0.00 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	77.9	116.9
201	97.5	79.2	118.8

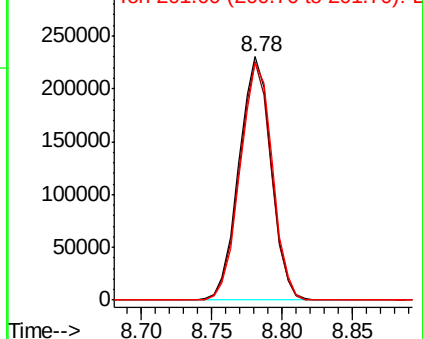
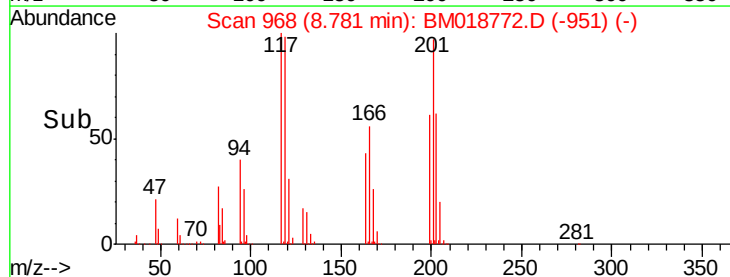


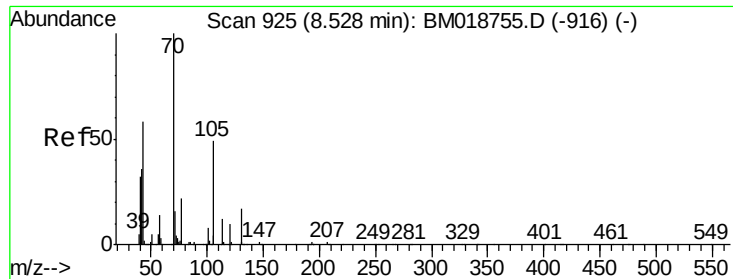
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

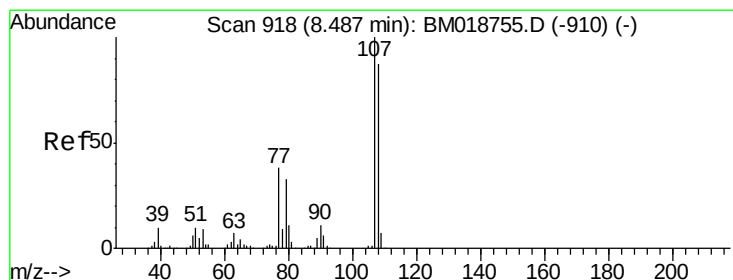
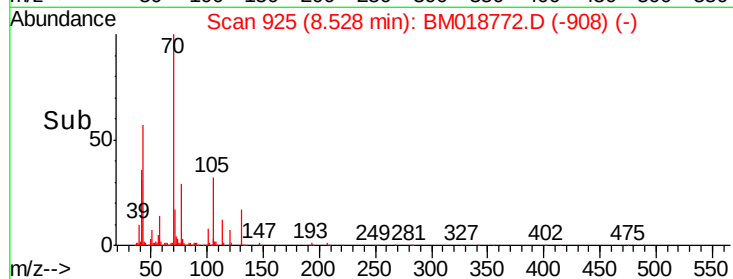
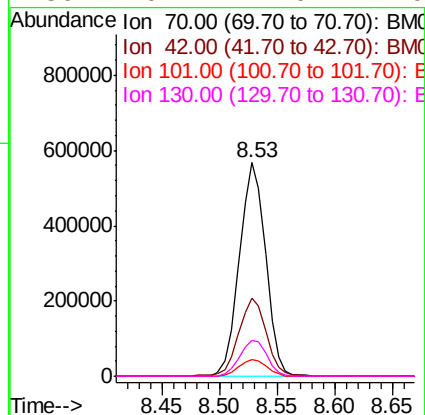
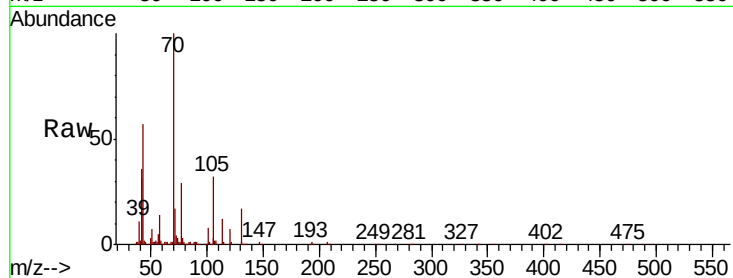




#19
n-Nitroso-di-n-propylamine
Concen: 43.392 ng
RT: 8.53 min Scan# 925
Delta R.T. -0.00 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

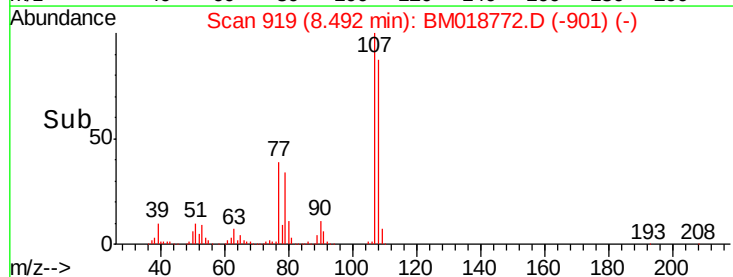
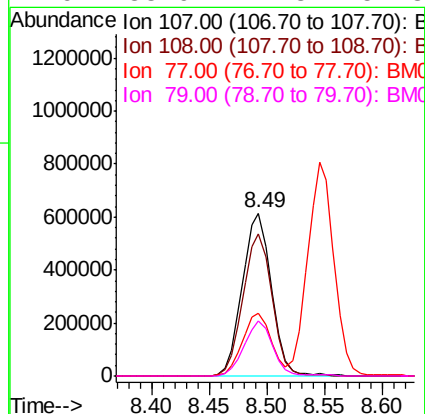
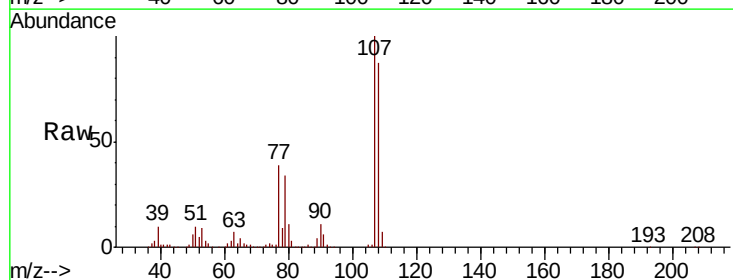
Instrument :
BNA_M
ClientSampleId :
PB117038BS

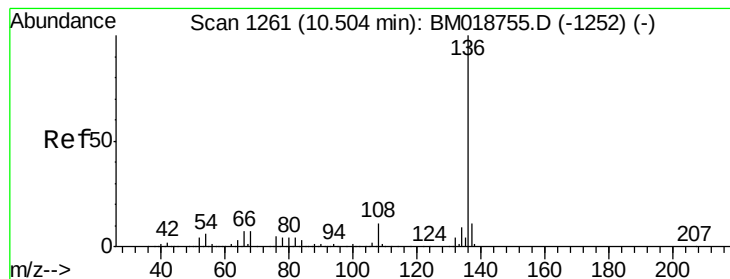
Tgt Ion:	70	Resp:	895936
Ion	Ratio	Lower	Upper
70	100		
42	36.3	29.4	44.0
101	7.9	6.7	10.1
130	16.7	14.0	21.0



#20
3+4-Methylphenols
Concen: 43.799 ng
RT: 8.49 min Scan# 919
Delta R.T. 0.01 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Tgt Ion:	107	Resp:	1080106
Ion	Ratio	Lower	Upper
107	100		
108	87.2	67.3	107.3
77	38.8	18.0	58.0
79	33.9	12.8	52.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.50 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

Tgt Ion:136 Resp: 1303756

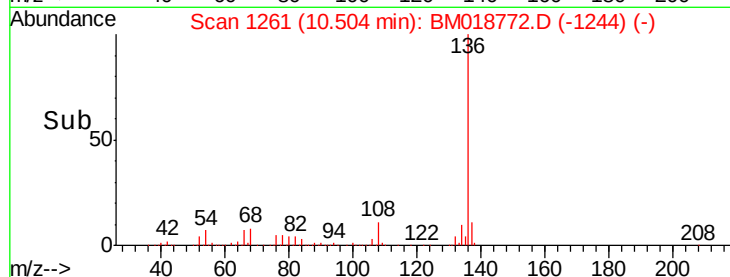
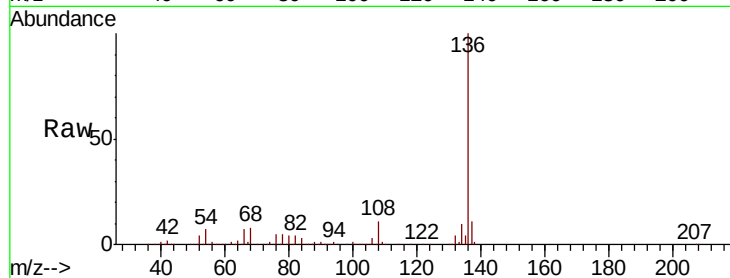
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 6.7 5.0 7.6

68 7.6 5.5 8.3

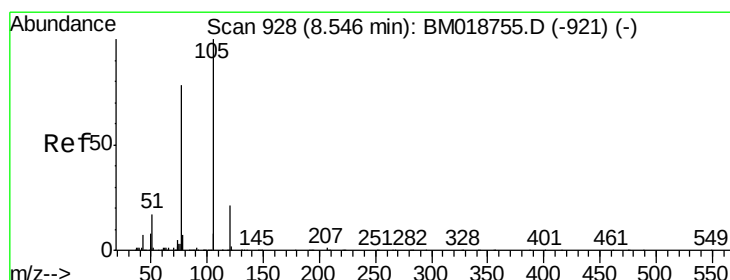
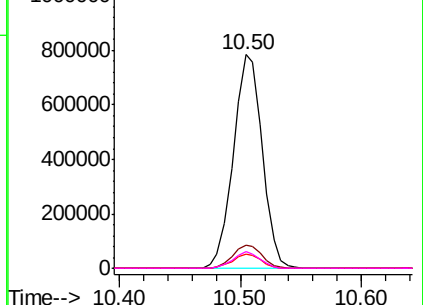


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22

Acetophenone

Concen: 41.097 ng

RT: 8.55 min Scan# 928

Delta R.T. -0.00 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Tgt Ion:105 Resp: 1471416

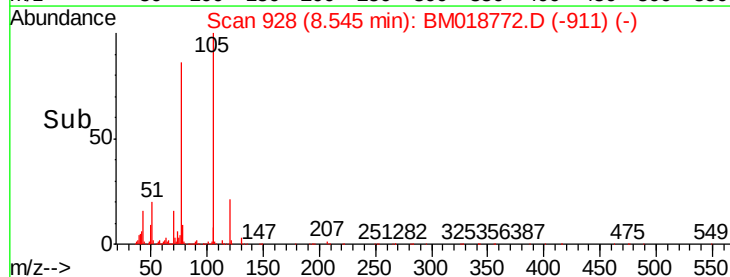
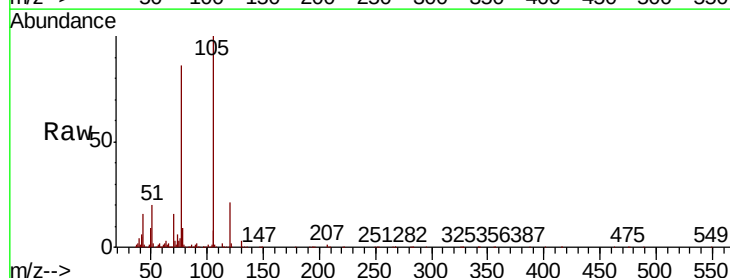
Ion Ratio Lower Upper

105 100

71 2.6 1.1 1.7#

51 19.9 15.5 23.3

120 21.0 17.0 25.4

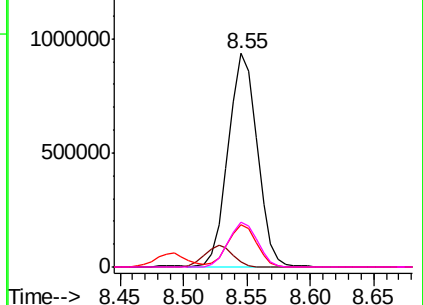


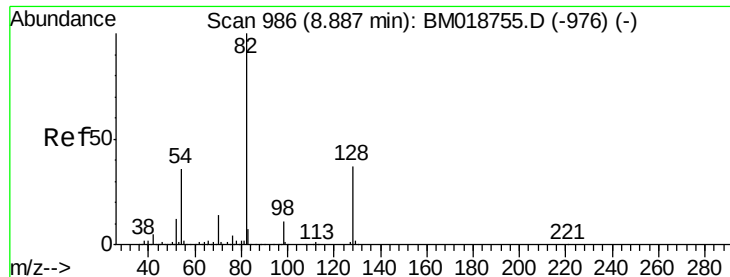
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E

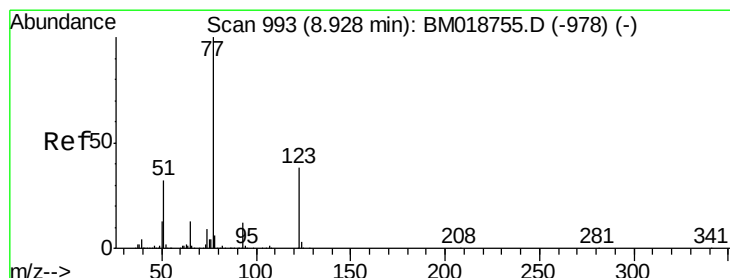
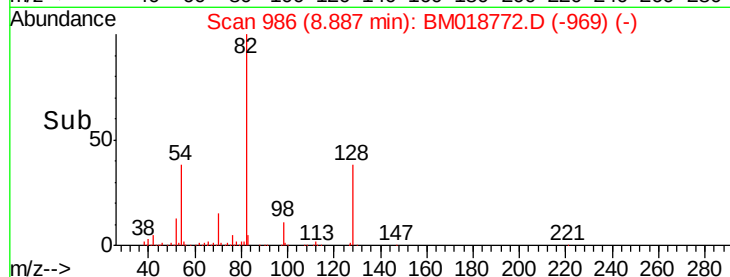
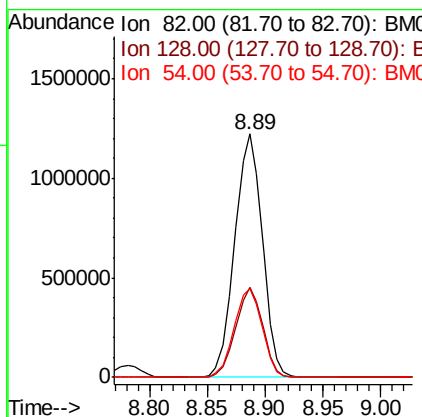
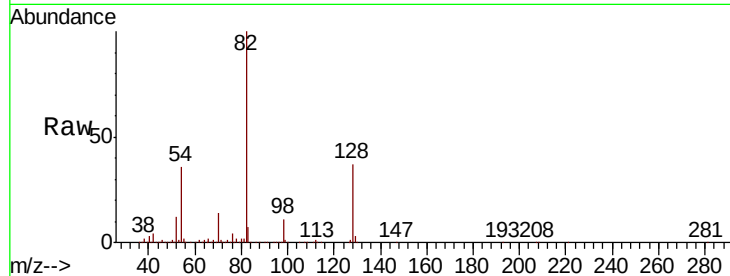




#23
 Nitrobenzene-d5
 Concen: 71.997 ng
 RT: 8.89 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: BM018772.D
 Acq: 12 Feb 2019 14:46

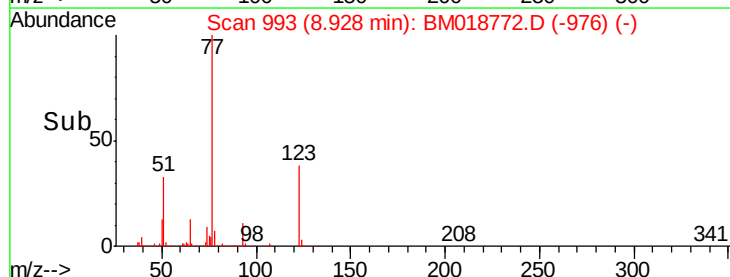
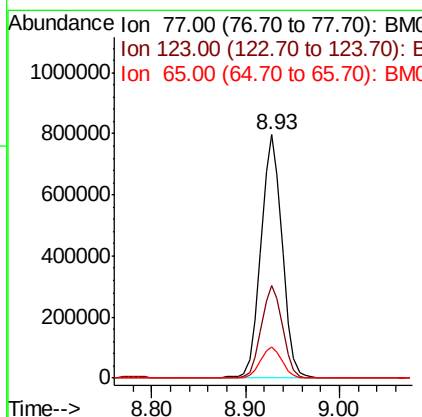
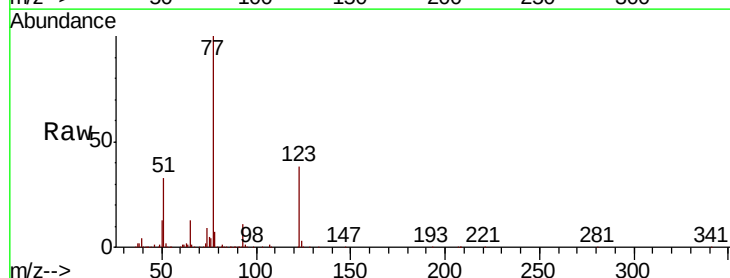
Instrument :
 BNA_M
 ClientSampleId :
 PB117038BS

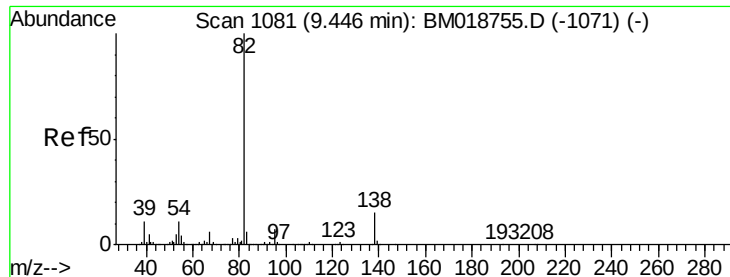
Tgt Ion: 82 Resp: 2030032
 Ion Ratio Lower Upper
 82 100
 128 36.8 29.9 44.9
 54 36.5 29.1 43.7



#24
 Nitrobenzene
 Concen: 42.387 ng
 RT: 8.93 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: BM018772.D
 Acq: 12 Feb 2019 14:46

Tgt Ion: 77 Resp: 1240581
 Ion Ratio Lower Upper
 77 100
 123 38.2 30.7 46.1
 65 13.0 10.5 15.7





#25

Isophorone

Concen: 49.885 ng

RT: 9.45 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

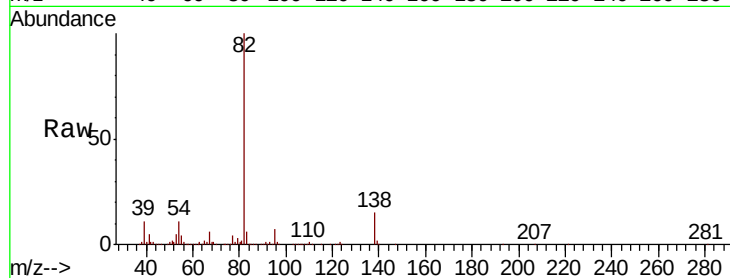
Tgt Ion: 82 Resp: 2244306

Ion Ratio Lower Upper

82 100

95 6.8 5.7 8.5

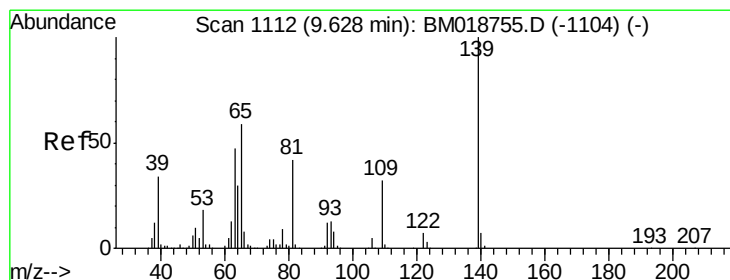
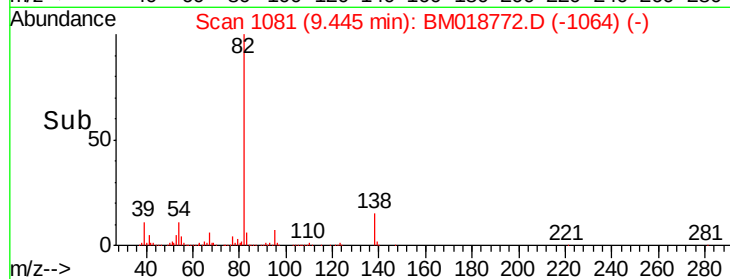
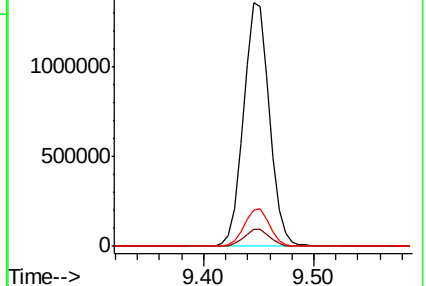
138 15.1 12.3 18.5



Abundance Ion 82.00 (81.70 to 82.70): BM018755.D (-1071) (-)

Ion 95.00 (94.70 to 95.70): BM018755.D (-1071) (-)

Ion 138.00 (137.70 to 138.70): BM018755.D (-1071) (-)



#26

2-Nitrophenol

Concen: 43.336 ng

RT: 9.63 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

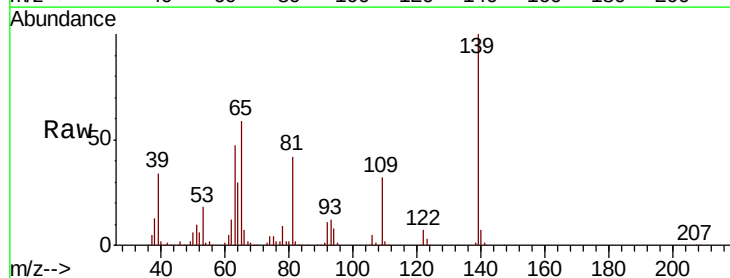
Tgt Ion: 139 Resp: 505102

Ion Ratio Lower Upper

139 100

109 31.7 25.2 37.8

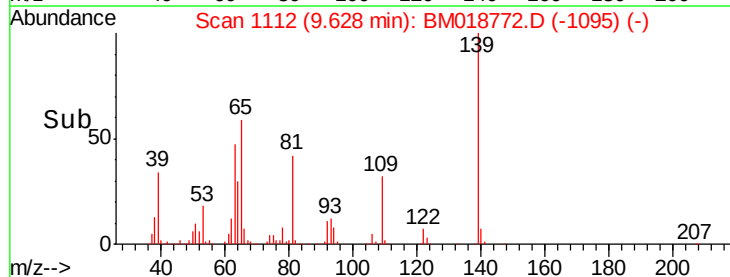
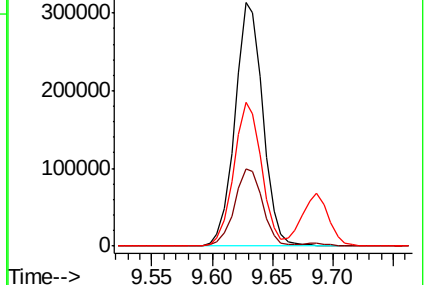
65 59.2 47.0 70.4

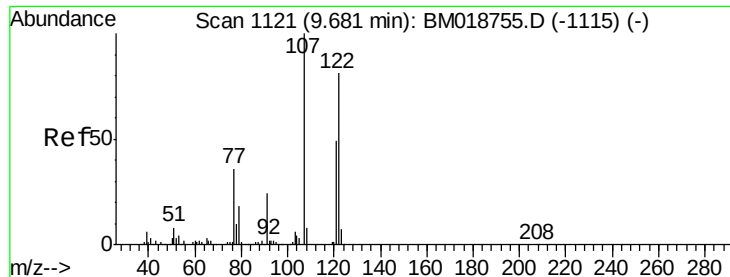


Abundance Ion 139.00 (138.70 to 139.70): BM018755.D (-1104) (-)

Ion 109.00 (108.70 to 109.70): BM018755.D (-1104) (-)

Ion 65.00 (64.70 to 65.70): BM018755.D (-1104) (-)

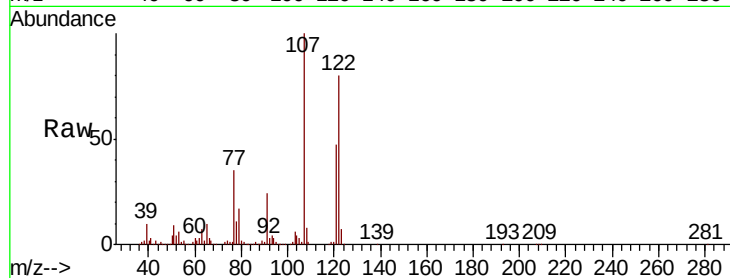




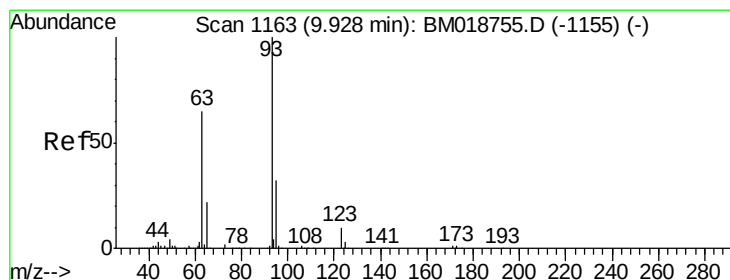
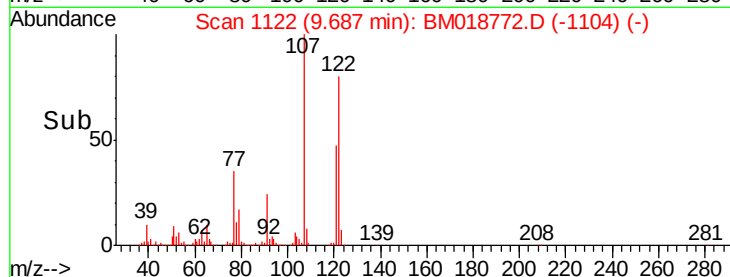
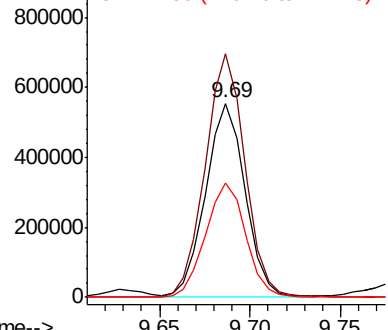
#27
2,4-Dimethylphenol
Concen: 48.895 ng
RT: 9.69 min Scan# 1122
Delta R.T. 0.01 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Instrument :
BNA_M
ClientSampleId :
PB117038BS

Tgt Ion:122 Resp: 832373
Ion Ratio Lower Upper
122 100
107 125.6 97.6 146.4
121 59.1 47.9 71.9

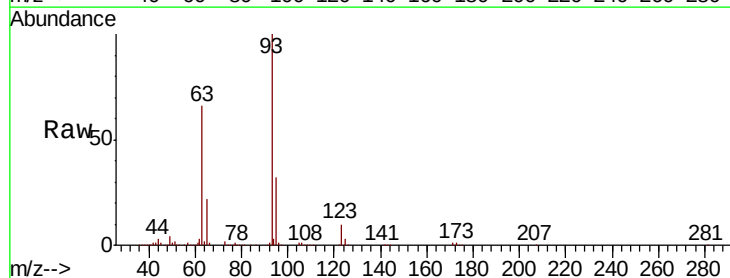


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

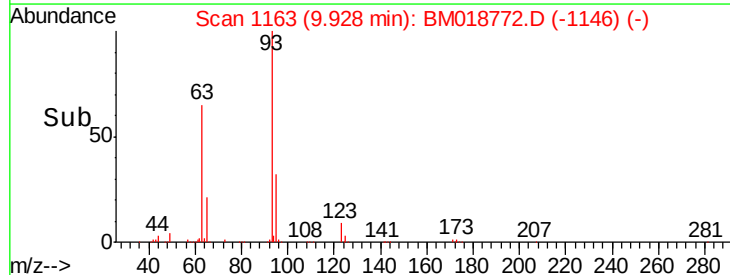
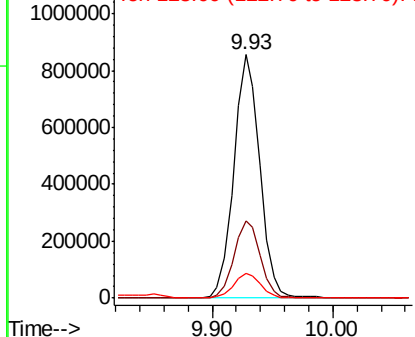


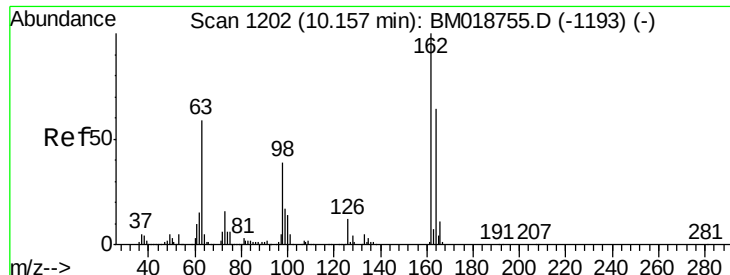
#28
bis(2-Chloroethoxy)methane
Concen: 44.156 ng
RT: 9.93 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Tgt Ion: 93 Resp: 1284629
Ion Ratio Lower Upper
93 100
95 31.9 25.6 38.4
123 10.1 8.2 12.4



Abundance Ion 93.00 (92.70 to 93.70): BM0
Ion 95.00 (94.70 to 95.70): BM0
Ion 123.00 (122.70 to 123.70): E

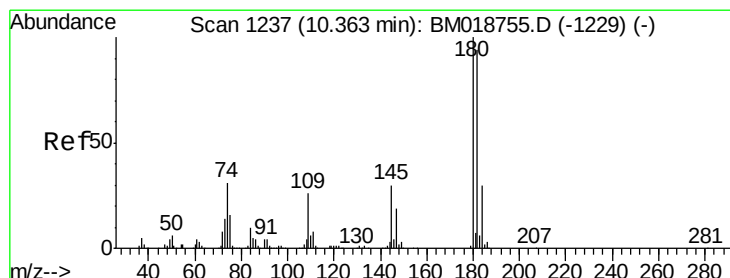
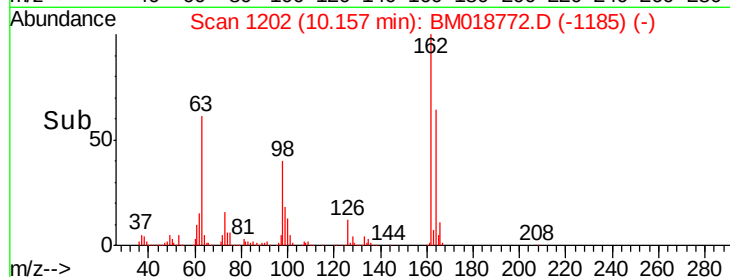
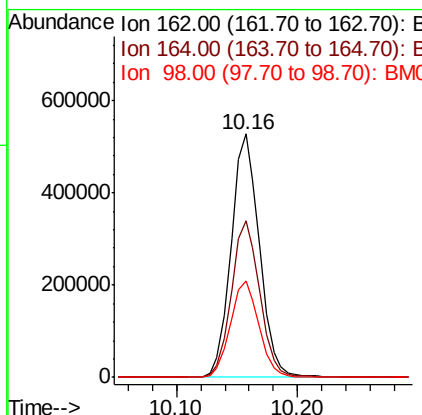
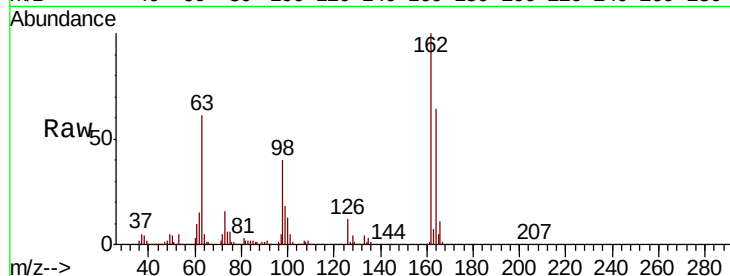




#29
2,4-Dichlorophenol
Concen: 44.001 ng
RT: 10.16 min Scan# 1202
Delta R.T. -0.00 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

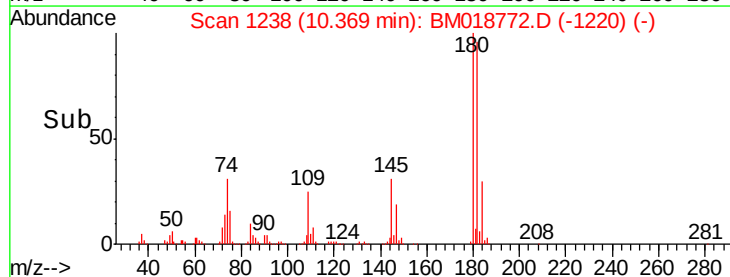
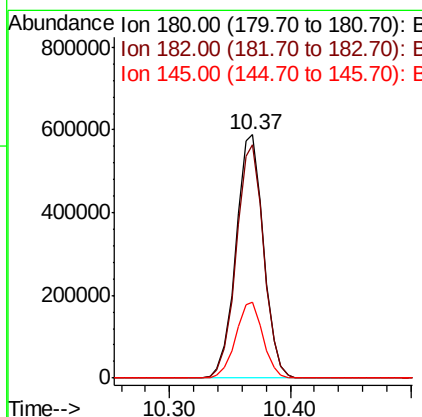
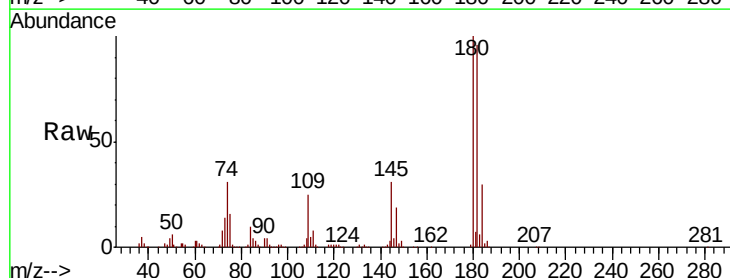
Instrument :
BNA_M
ClientSampleId :
PB117038BS

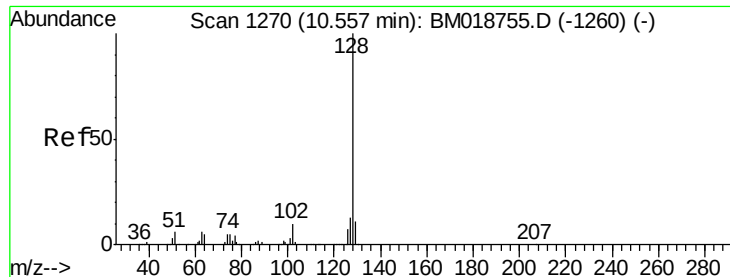
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	860088		
164	64.4		44.1	84.1
98	39.6		19.4	59.4



#30
1,2,4-Trichlorobenzene
Concen: 41.412 ng
RT: 10.37 min Scan# 1238
Delta R.T. 0.01 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	934847		
182	95.8		75.0	112.6
145	31.0		24.1	36.1

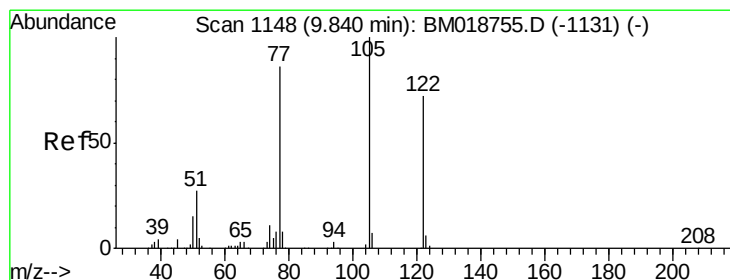
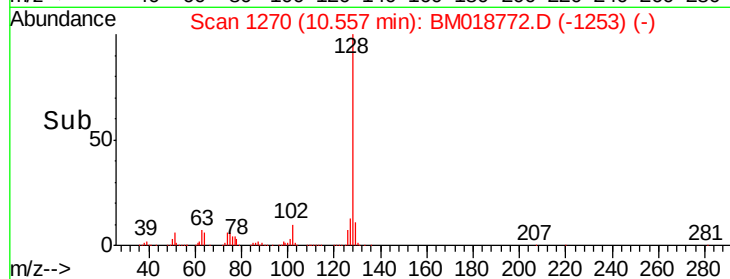
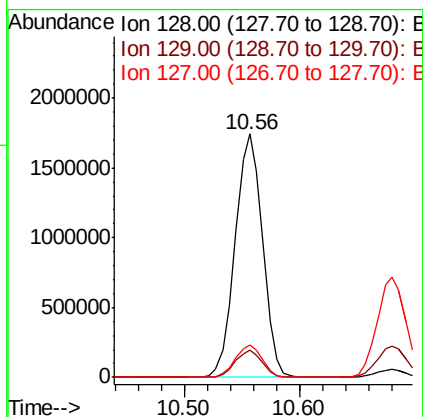
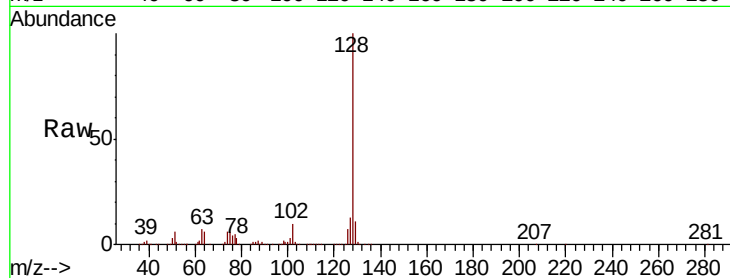




#31
Naphthalene
Concen: 44.797 ng
RT: 10.56 min Scan# 1270
Delta R.T. -0.00 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

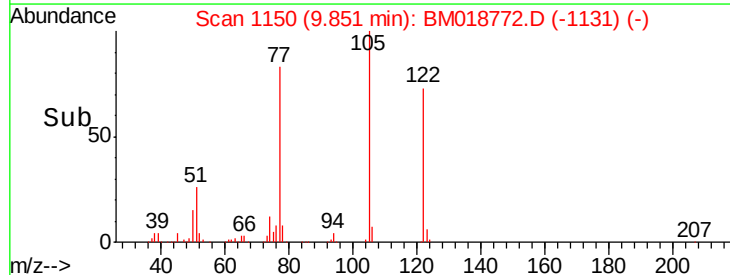
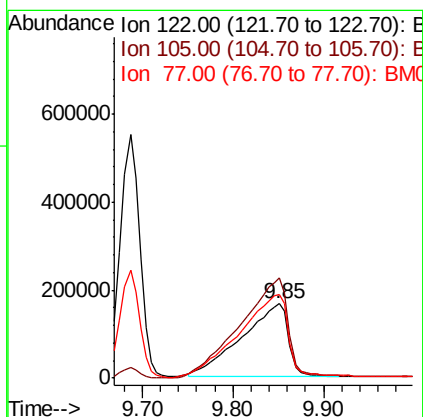
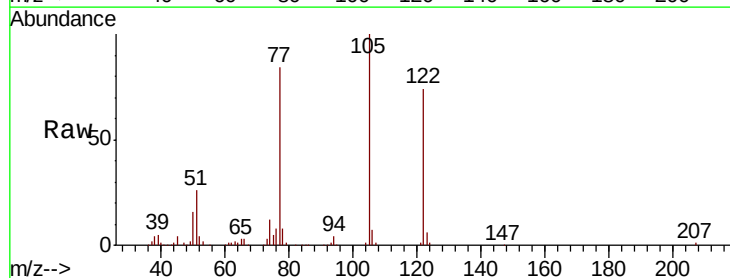
Instrument :
BNA_M
ClientSampleId :
PB117038BS

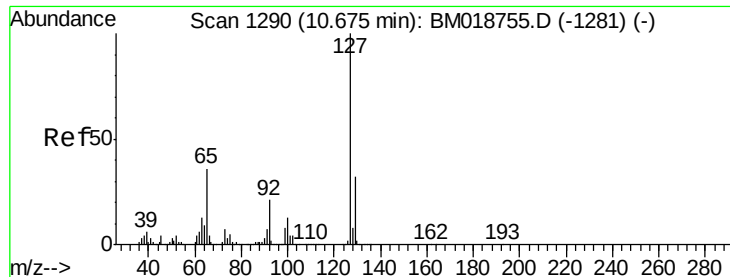
Tgt Ion:128 Resp: 2848461
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.3 10.7 16.1



#32
Benzoic acid
Concen: 39.279 ng
RT: 9.85 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Tgt Ion:122 Resp: 583288
Ion Ratio Lower Upper
122 100
105 134.6 117.5 157.5
77 113.0 98.5 138.5

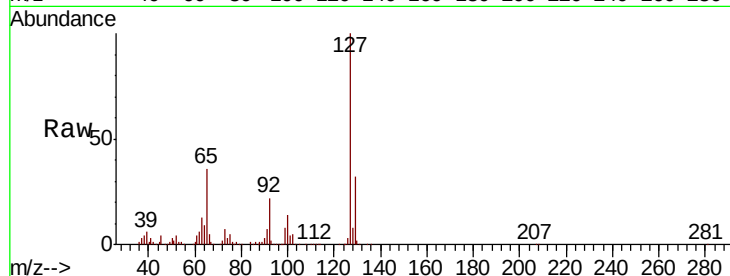




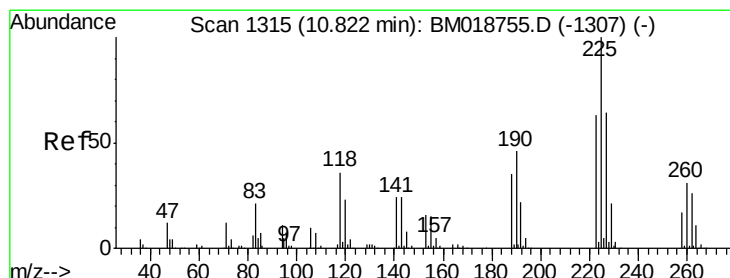
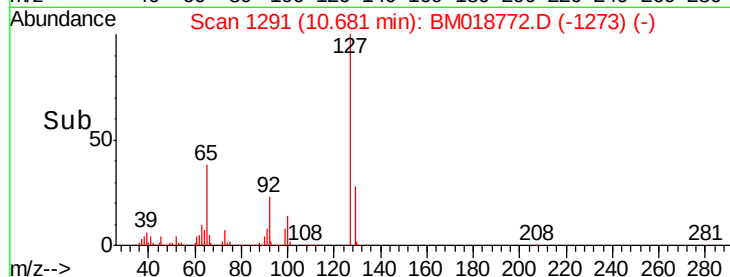
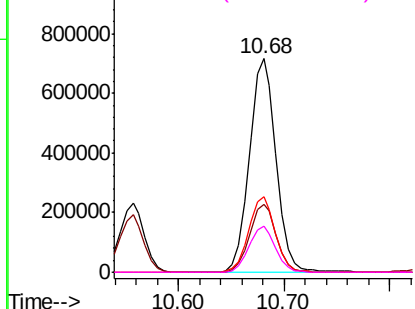
#33
4-Chloroaniline
Concen: 44.209 ng
RT: 10.68 min Scan# 1291
Delta R.T. 0.01 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Instrument :
BNA_M
ClientSampleId :
PB117038BS

Tgt Ion:127 Resp: 1256583
Ion Ratio Lower Upper
127 100
129 31.8 25.7 38.5
65 35.6 28.7 43.1
92 21.6 17.0 25.4

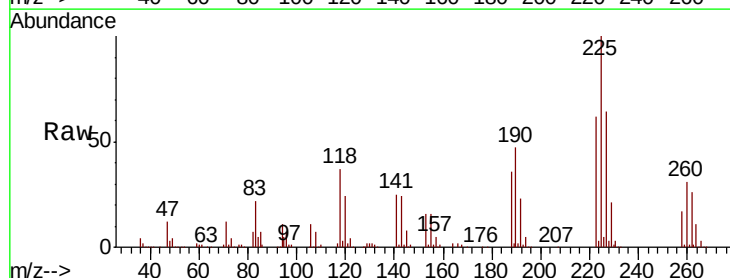


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

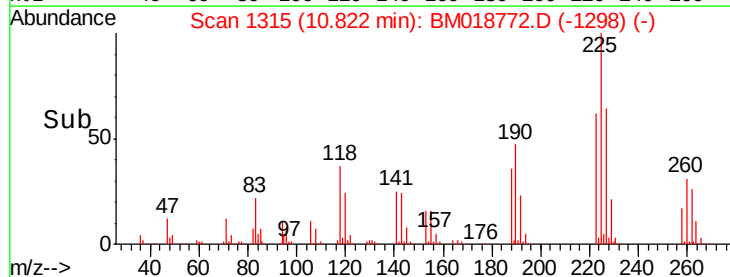
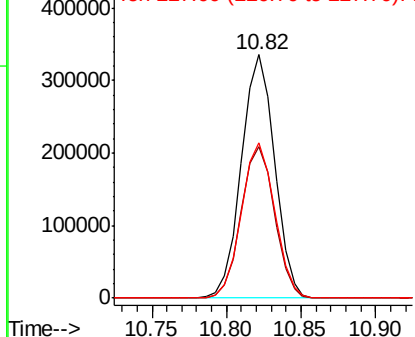


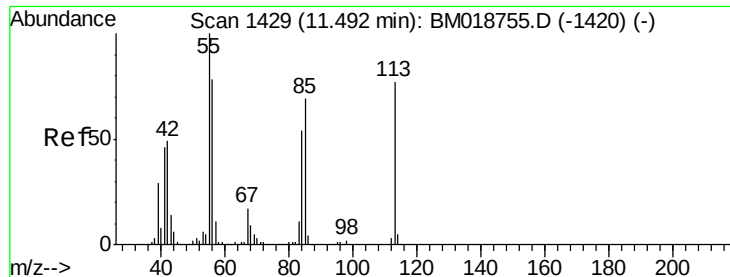
#34
Hexachlorobutadiene
Concen: 39.472 ng
RT: 10.82 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Tgt Ion:225 Resp: 517194
Ion Ratio Lower Upper
225 100
223 62.1 50.1 75.1
227 63.9 51.4 77.0



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 19.752 ng

RT: 11.50 min Scan# 1431

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

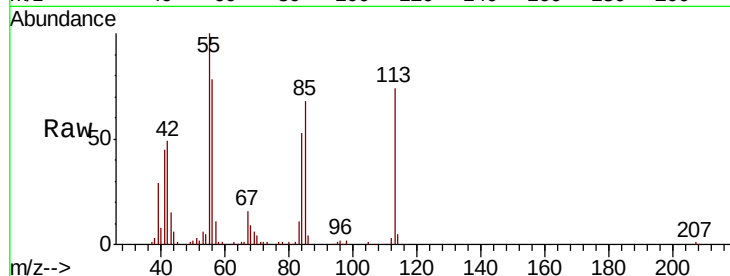
Tgt Ion:113 Resp: 157569

Ion Ratio Lower Upper

113 100

55 135.7 110.7 150.7

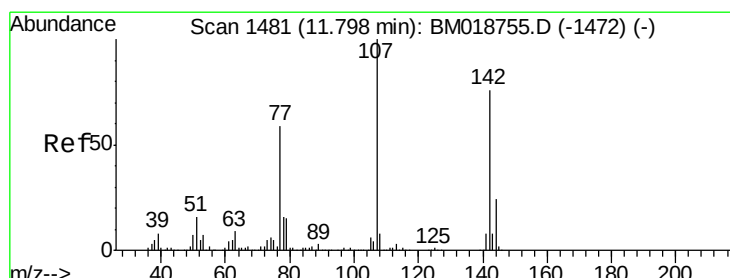
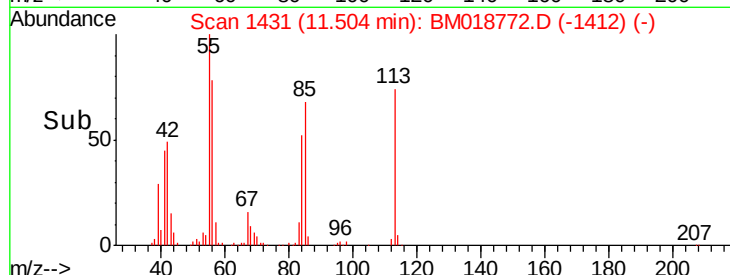
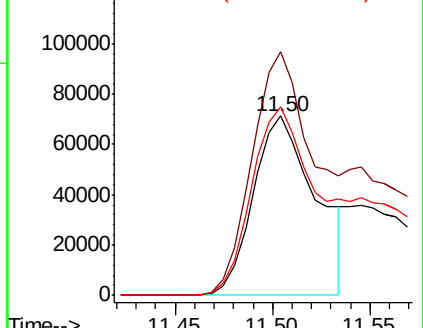
56 105.3 82.4 122.4



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: 43.837 ng

RT: 11.80 min Scan# 1482

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

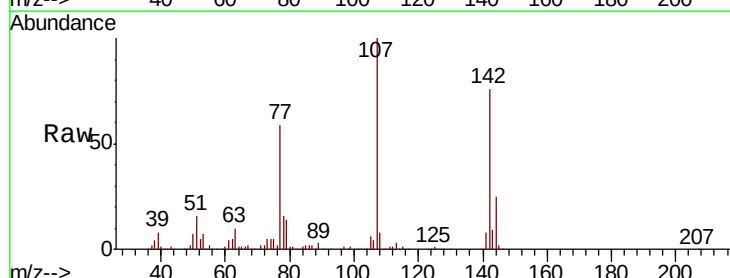
Tgt Ion:107 Resp: 1033126

Ion Ratio Lower Upper

107 100

144 24.9 19.3 28.9

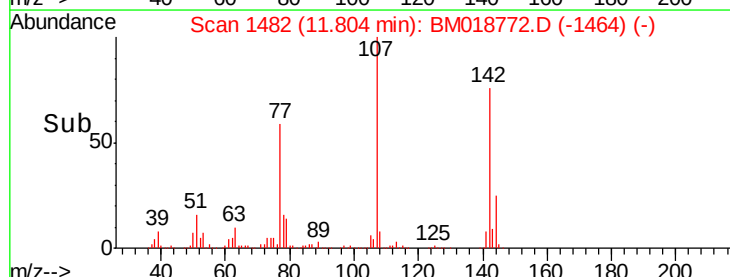
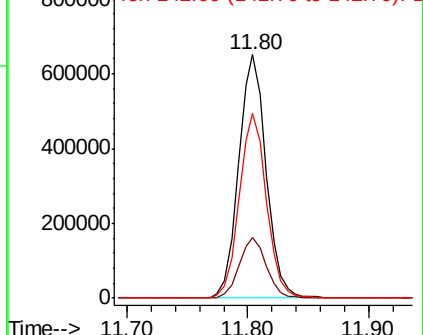
142 75.7 60.5 90.7

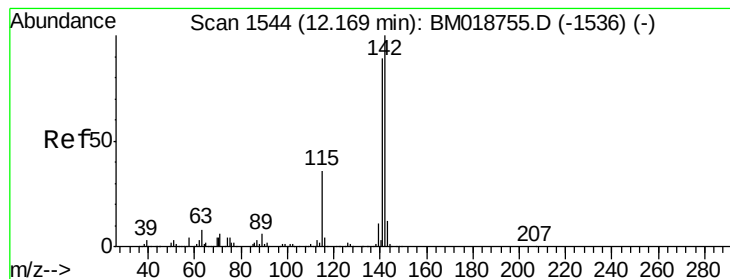


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 46.665 ng

RT: 12.17 min Scan# 1545

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

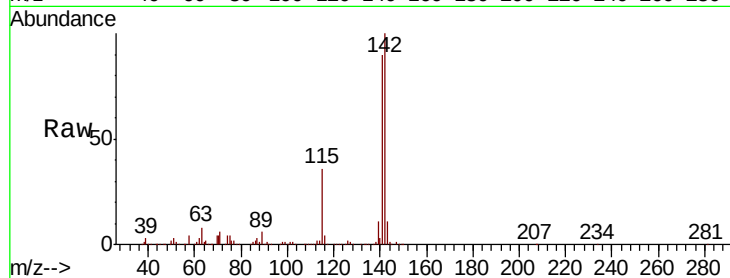
Tgt Ion:142 Resp: 2089097

Ion Ratio Lower Upper

142 100

141 89.8 71.2 106.8

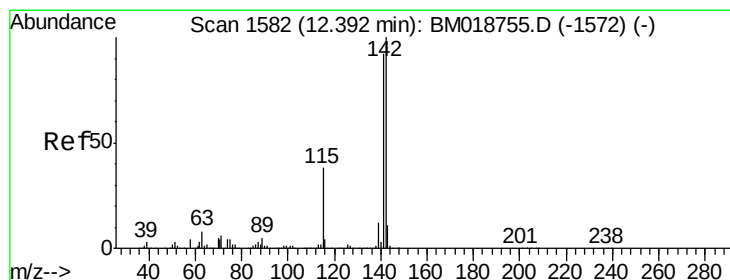
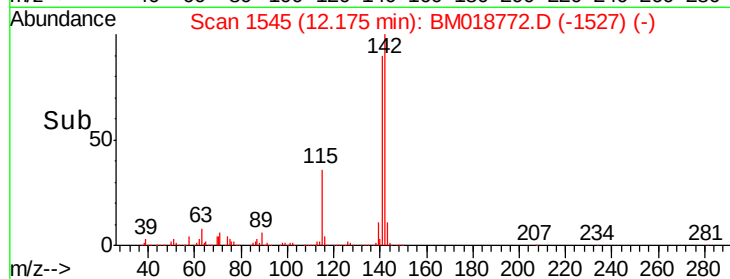
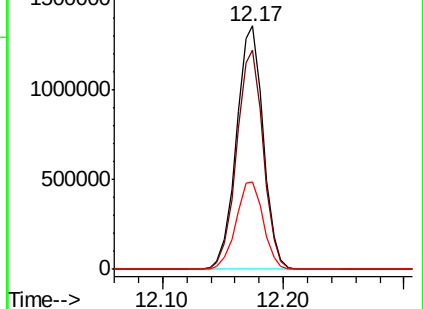
115 36.1 29.1 43.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 45.449 ng

RT: 12.39 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

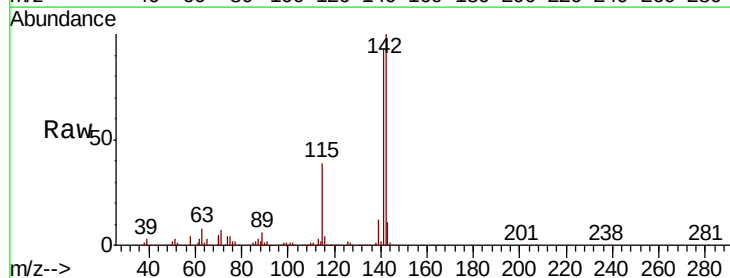
Tgt Ion:142 Resp: 1989656

Ion Ratio Lower Upper

142 100

141 93.4 73.9 110.9

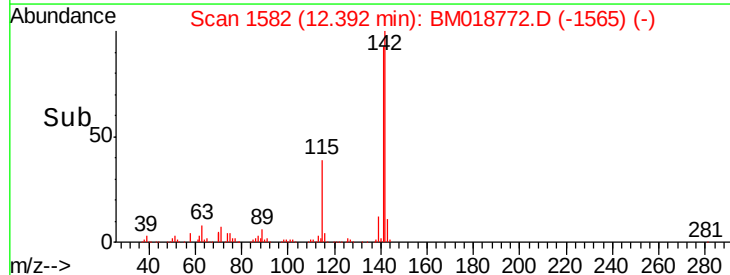
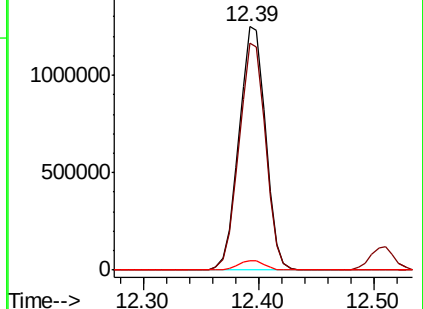
116 4.1 3.0 4.4

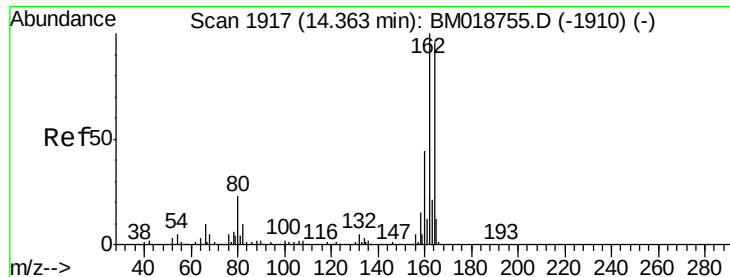


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.37 min Scan# 1918

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

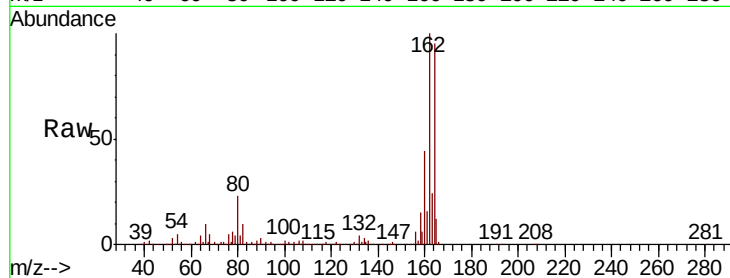
Tgt Ion:164 Resp: 761874

Ion Ratio Lower Upper

164 100

162 104.8 83.4 125.0

160 46.6 36.6 55.0

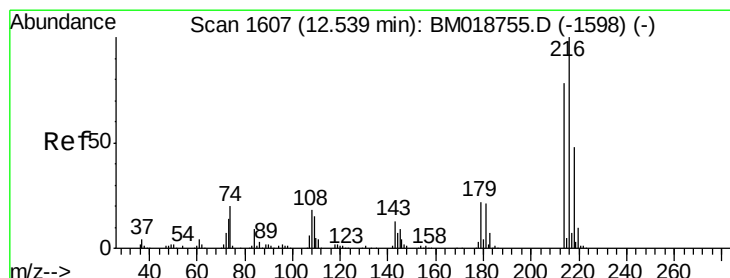
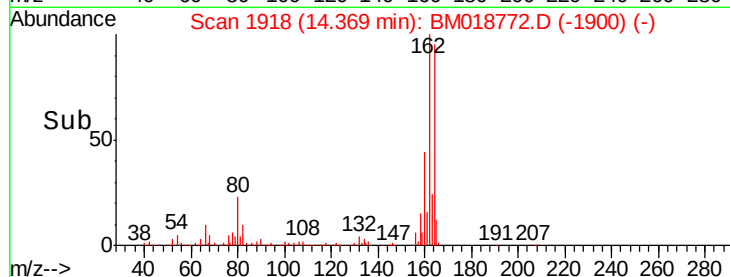
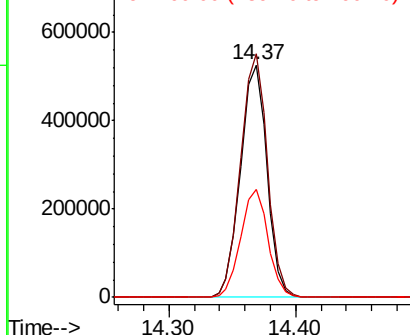


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.457 ng

RT: 12.54 min Scan# 1607

Delta R.T. -0.00 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Tgt Ion:216 Resp: 1010373

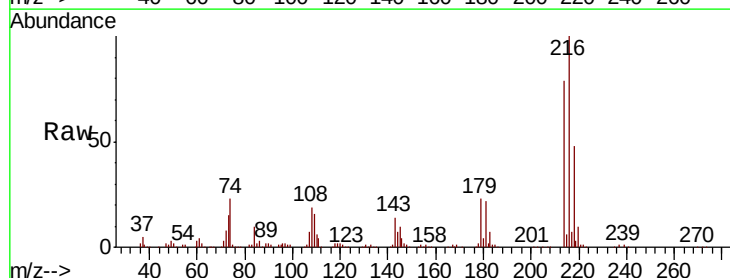
Ion Ratio Lower Upper

216 100

214 78.8 63.2 94.8

179 22.4 17.8 26.8

108 23.6 16.4 24.6



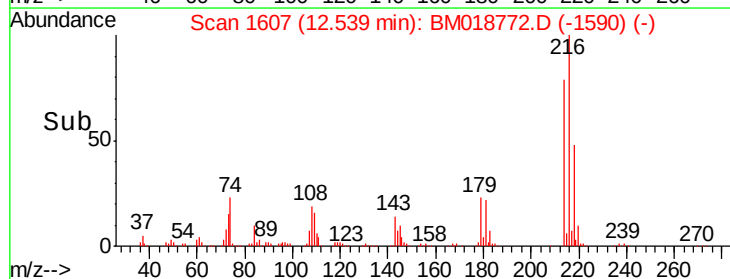
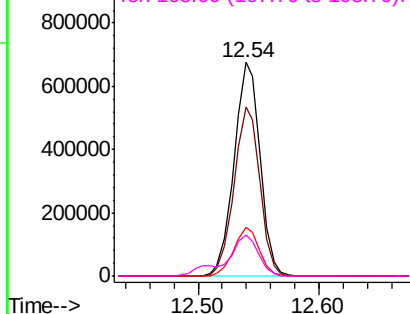
Abundance

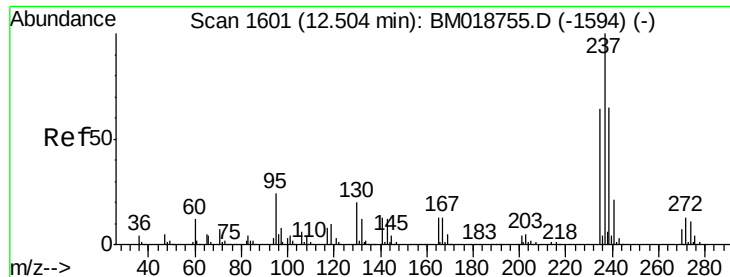
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 108.883 ng

RT: 12.51 min Scan# 1602

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

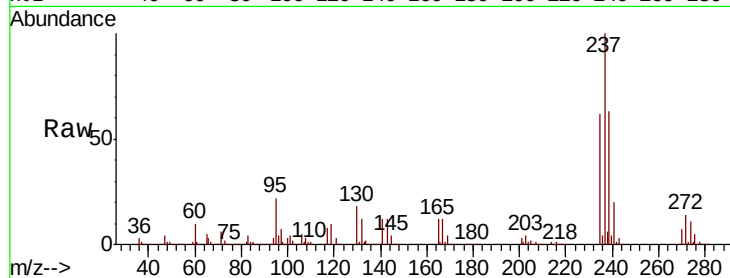
Tgt Ion:237 Resp: 1356738

Ion Ratio Lower Upper

237 100

235 62.2 43.7 83.7

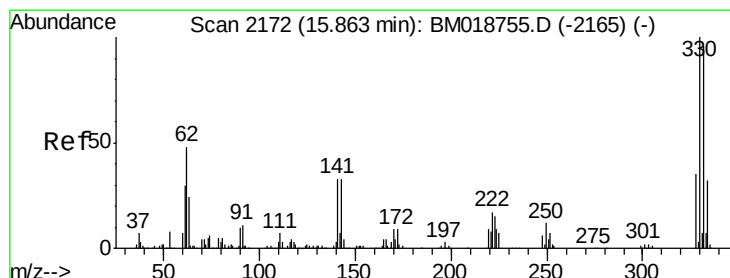
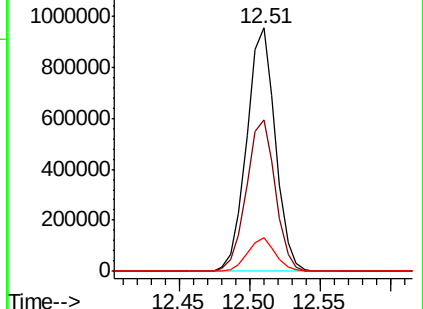
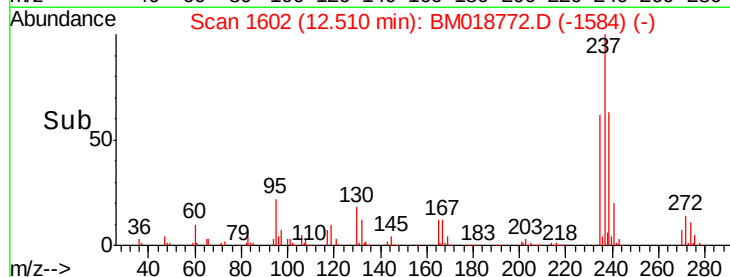
272 13.6 0.0 33.3



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 156.910 ng

RT: 15.87 min Scan# 2173

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

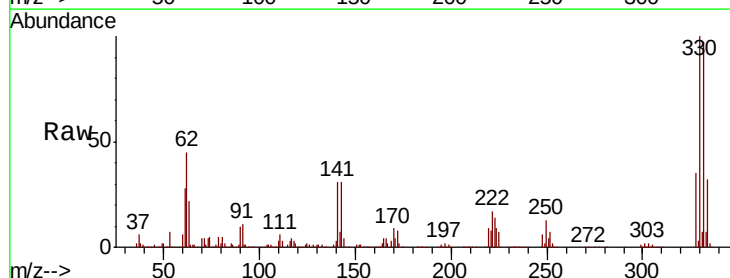
Tgt Ion:330 Resp: 1723221

Ion Ratio Lower Upper

330 100

332 96.8 76.9 115.3

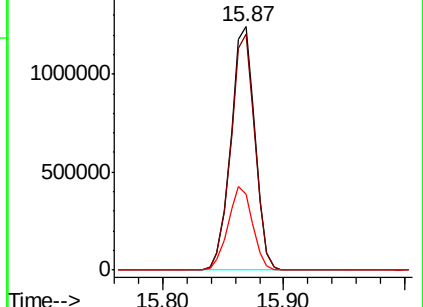
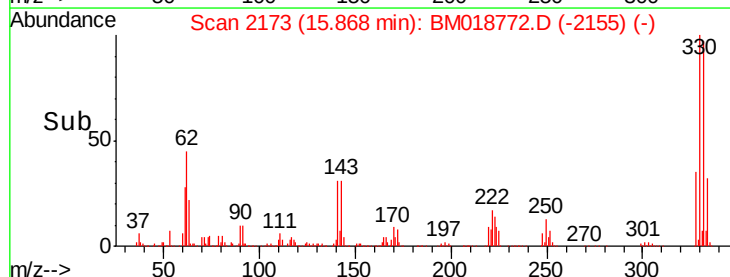
141 35.0 28.7 43.1

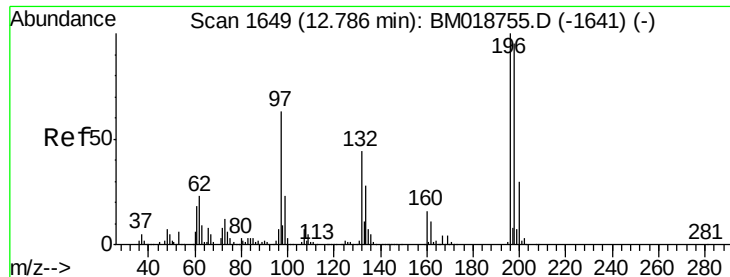


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

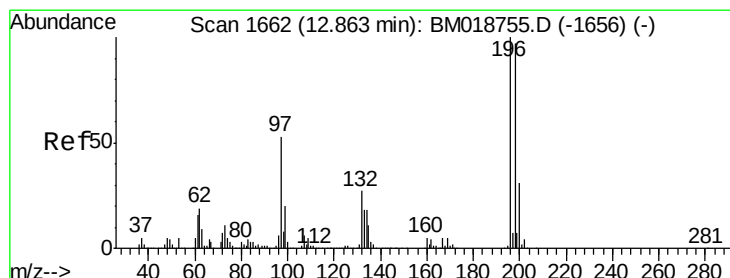
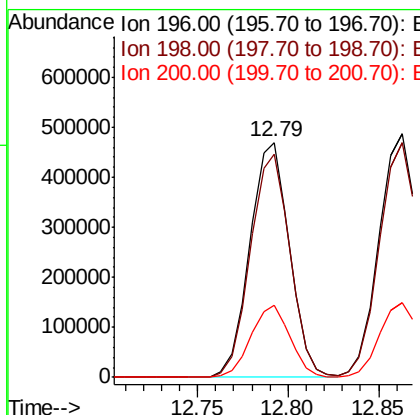
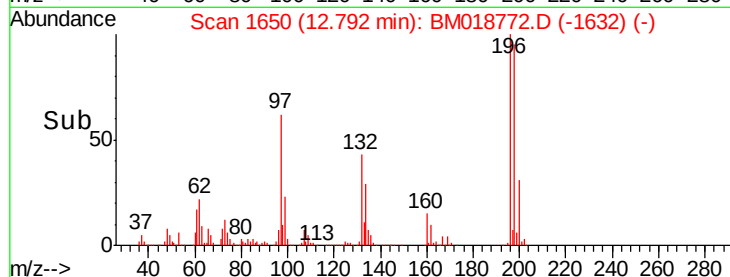
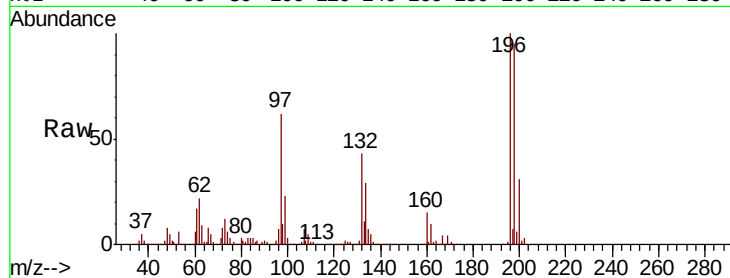




#43
 2,4,6-Trichlorophenol
 Concen: 44.254 ng
 RT: 12.79 min Scan# 1650
 Delta R.T. 0.01 min
 Lab File: BM018772.D
 Acq: 12 Feb 2019 14:46

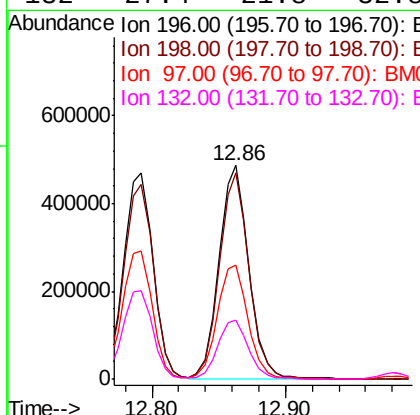
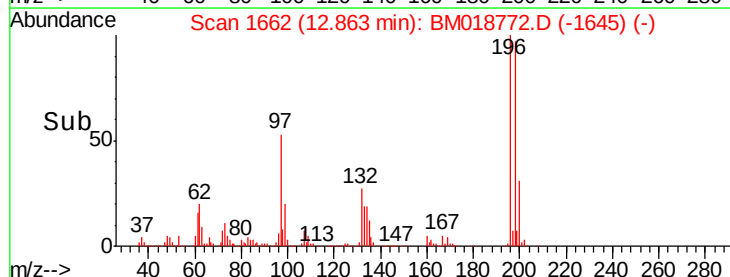
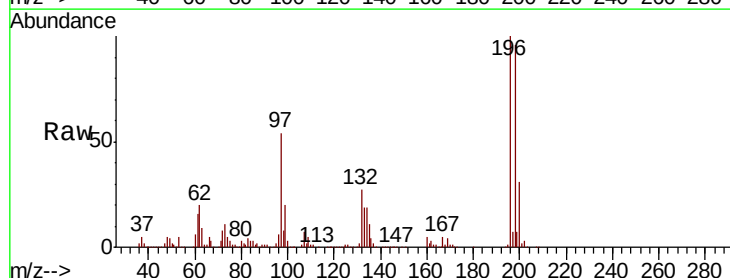
Instrument :
 BNA_M
 ClientSampleId :
 PB117038BS

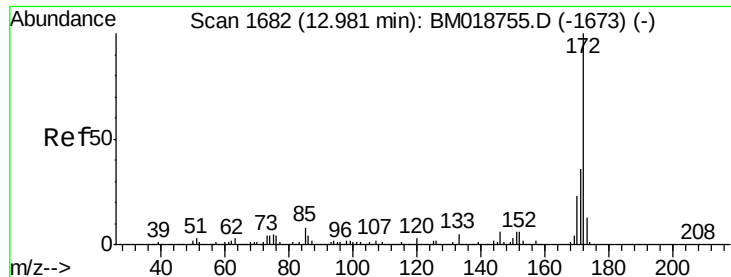
Tgt Ion:196 Resp: 714001
 Ion Ratio Lower Upper
 196 100
 198 94.8 76.2 114.2
 200 30.8 24.2 36.2



#44
 2,4,5-Trichlorophenol
 Concen: 44.679 ng
 RT: 12.86 min Scan# 1662
 Delta R.T. -0.00 min
 Lab File: BM018772.D
 Acq: 12 Feb 2019 14:46

Tgt Ion:196 Resp: 755543
 Ion Ratio Lower Upper
 196 100
 198 96.5 77.6 116.4
 97 53.6 42.8 64.2
 132 27.4 21.8 32.8

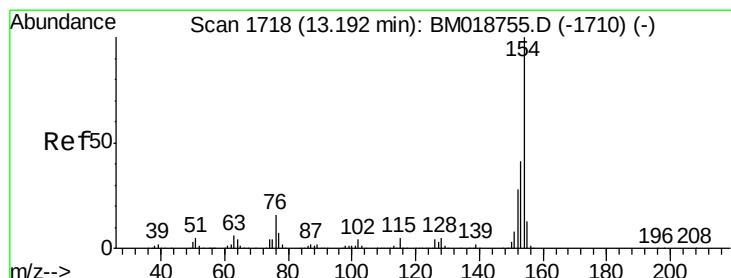
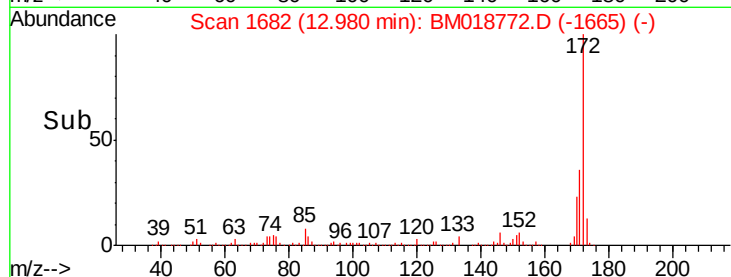
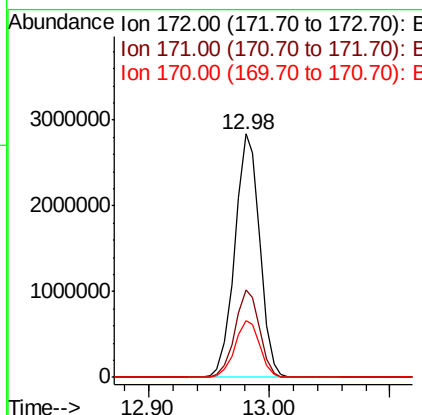
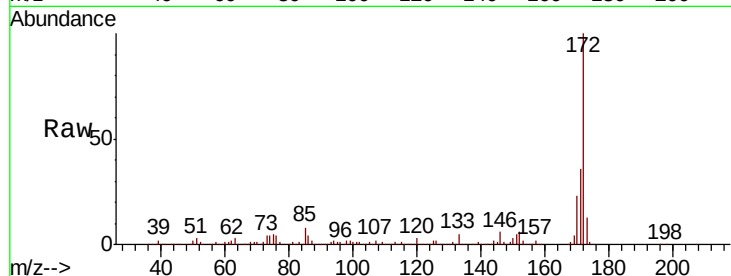




#45
2-Fluorobiphenyl
Concen: 70.839 ng
RT: 12.98 min Scan# 1682
Delta R.T. -0.00 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

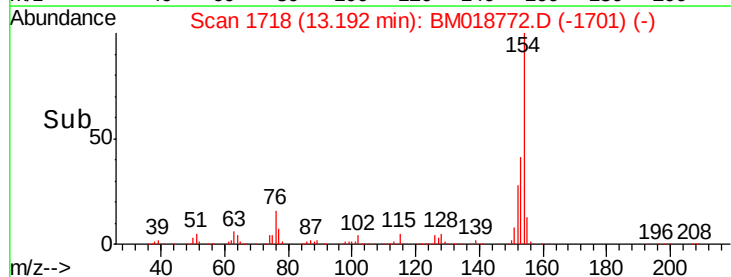
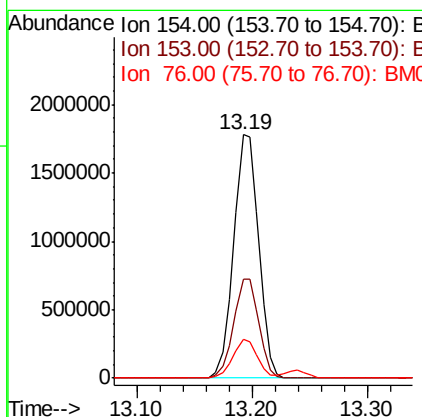
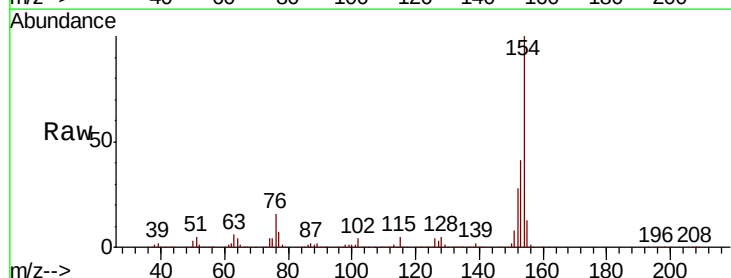
Instrument :
BNA_M
ClientSampleId :
PB117038BS

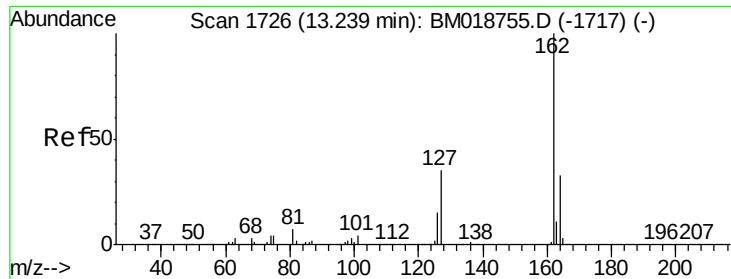
Tgt Ion:172 Resp: 4065626
Ion Ratio Lower Upper
172 100
171 36.1 29.0 43.6
170 23.5 18.6 28.0



#46
1,1'-Biphenyl
Concen: 40.587 ng
RT: 13.19 min Scan# 1718
Delta R.T. -0.00 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Tgt Ion:154 Resp: 2661689
Ion Ratio Lower Upper
154 100
153 40.6 21.1 61.1
76 15.9 0.0 35.7





#47

2-Chloronaphthalene

Concen: 41.069 ng

RT: 13.24 min Scan# 1726

Delta R.T. -0.00 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

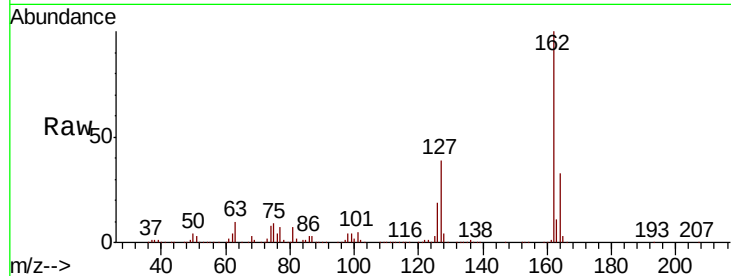
Tgt Ion: 162 Resp: 2080269

Ion Ratio Lower Upper

162 100

127 39.2 31.1 46.7

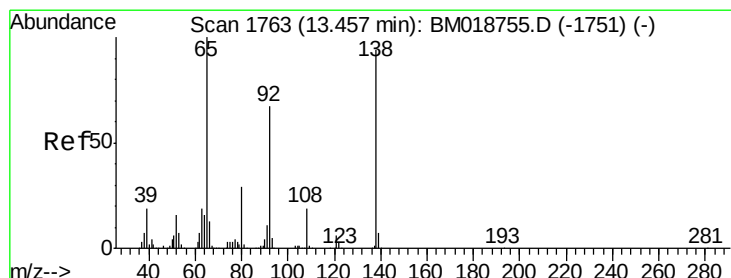
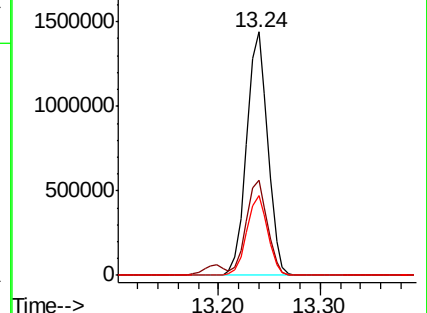
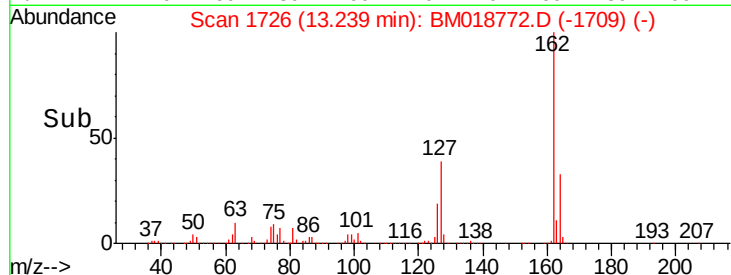
164 32.6 26.4 39.6



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 44.413 ng

RT: 13.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

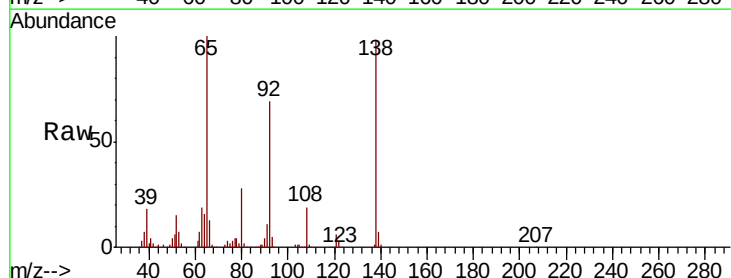
Tgt Ion: 65 Resp: 747155

Ion Ratio Lower Upper

65 100

92 68.7 54.0 81.0

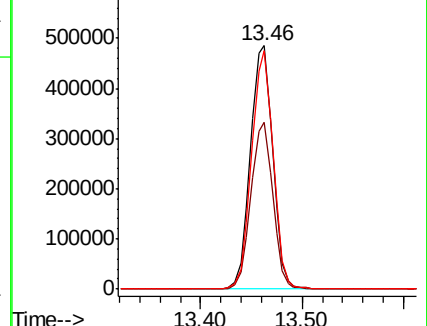
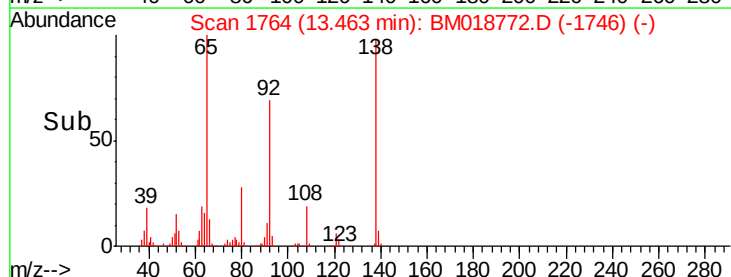
138 98.0 74.9 112.3

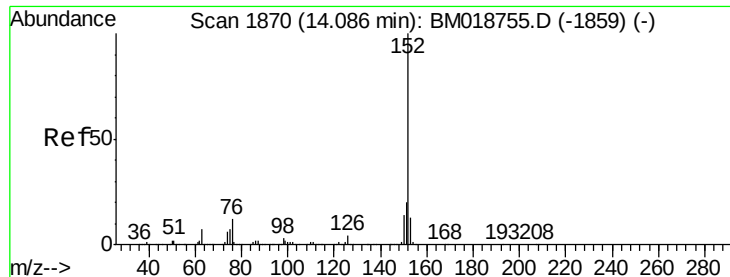


Abundance Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 45.523 ng

RT: 14.09 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

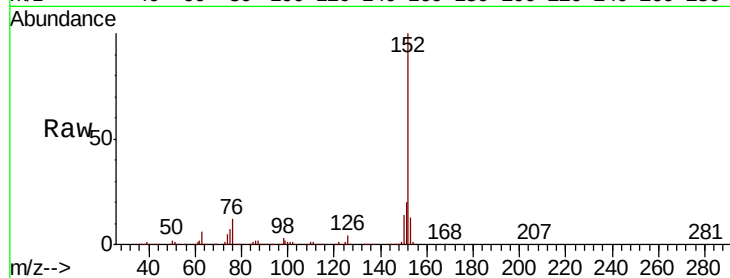
Tgt Ion:152 Resp: 3433507

Ion Ratio Lower Upper

152 100

151 20.2 15.8 23.8

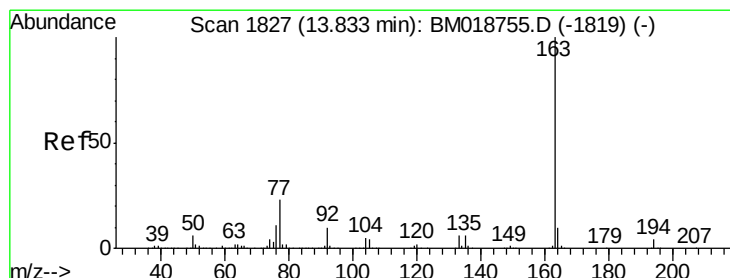
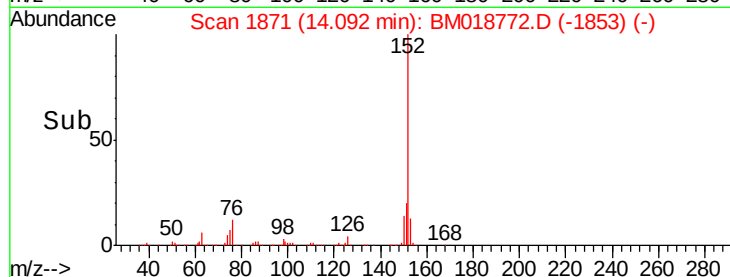
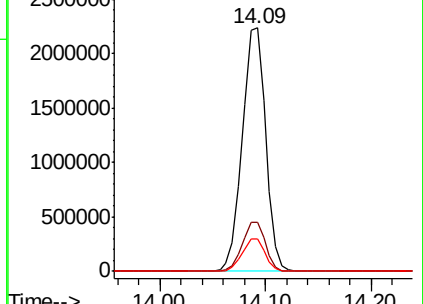
153 13.1 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 43.535 ng

RT: 13.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

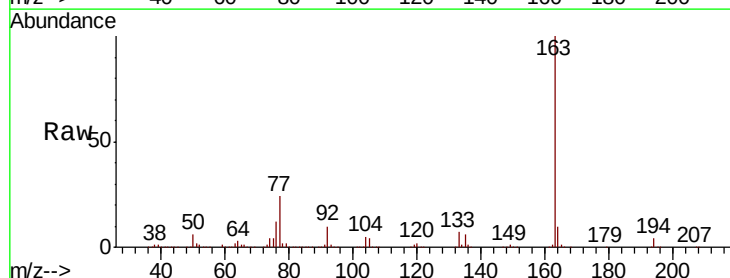
Tgt Ion:163 Resp: 2764246

Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

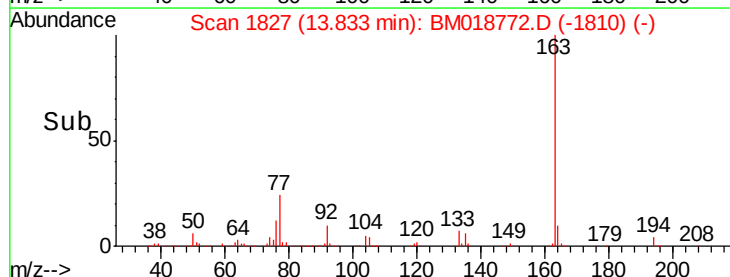
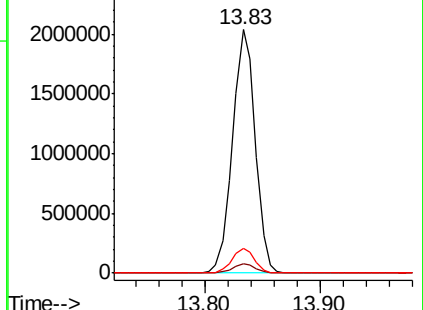
164 10.0 7.8 11.8

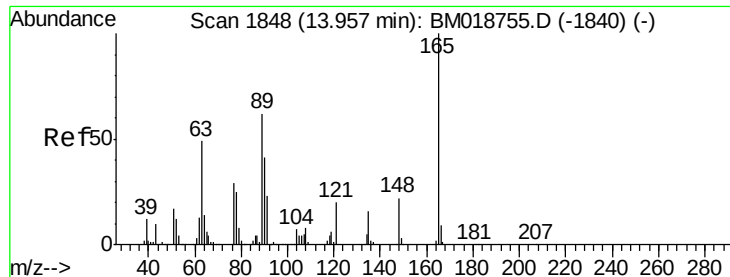


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

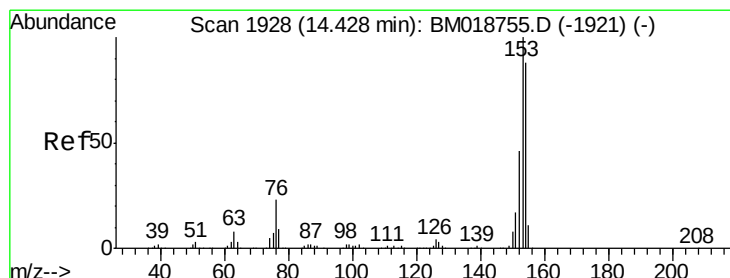
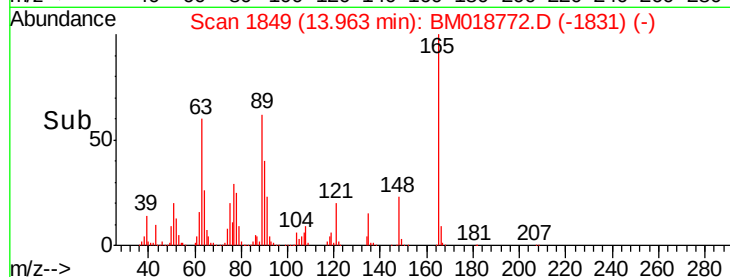
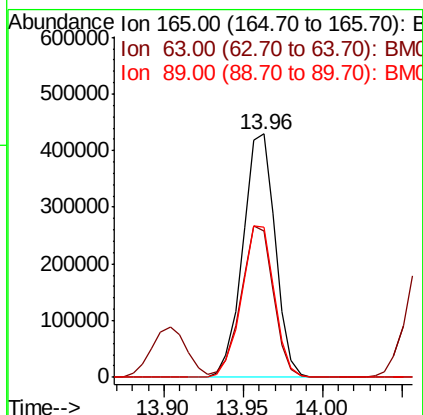
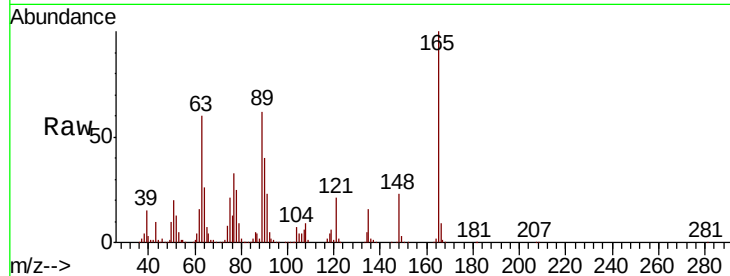




#51
2,6-Dinitrotoluene
Concen: 44.105 ng
RT: 13.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

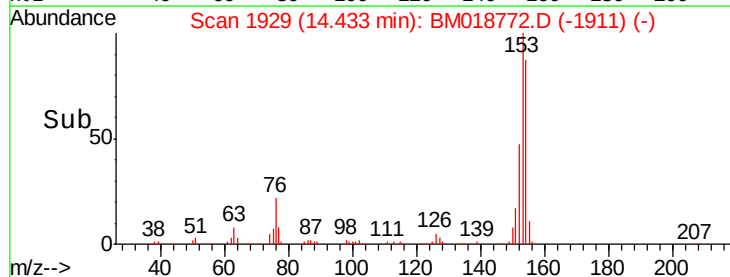
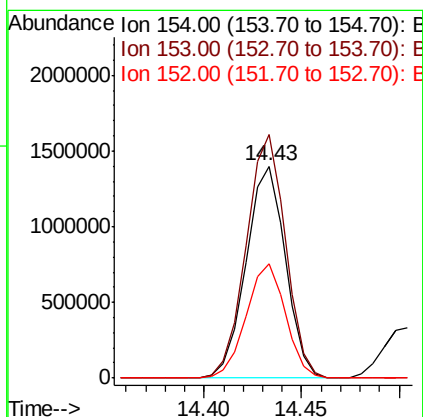
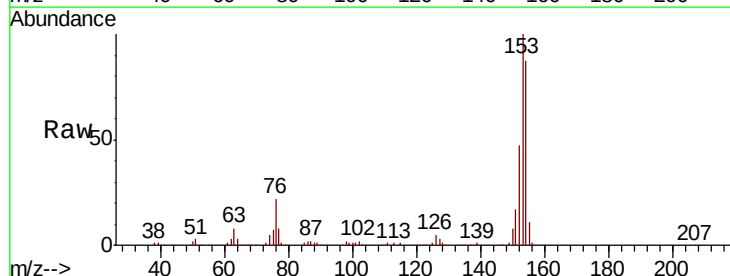
Instrument :
BNA_M
ClientSampleId :
PB117038BS

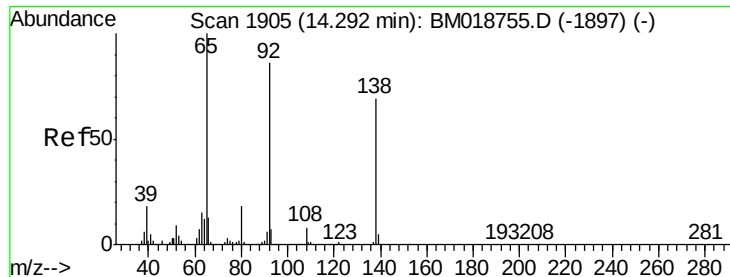
Tgt Ion:165 Resp: 606631
Ion Ratio Lower Upper
165 100
63 60.0 48.9 73.3
89 61.6 49.4 74.0



#52
Acenaphthene
Concen: 42.343 ng
RT: 14.43 min Scan# 1929
Delta R.T. 0.01 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Tgt Ion:154 Resp: 1958261
Ion Ratio Lower Upper
154 100
153 114.8 91.3 136.9
152 53.9 42.2 63.4

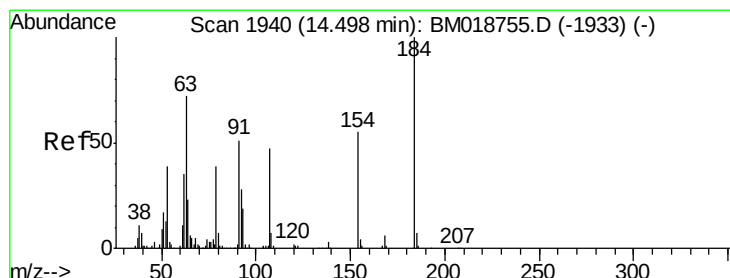
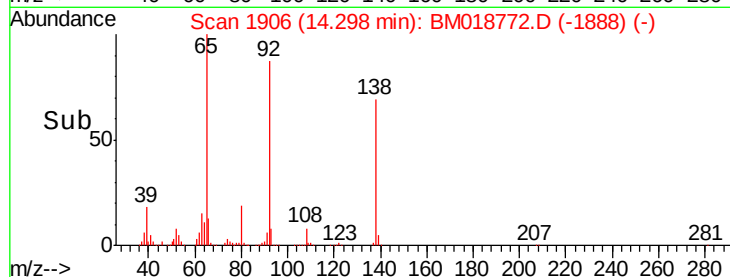
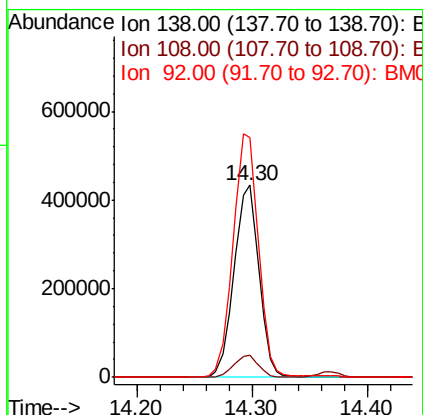
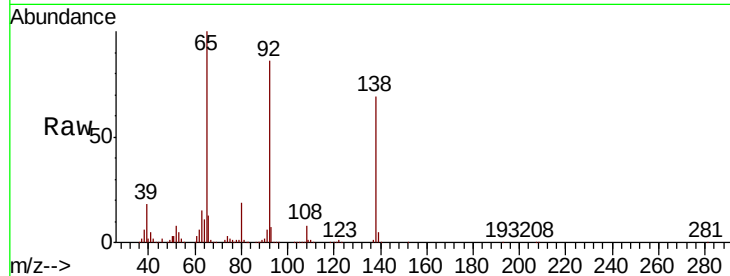




#53
3-Nitroaniline
Concen: 41.930 ng
RT: 14.30 min Scan# 1906
Delta R.T. 0.01 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

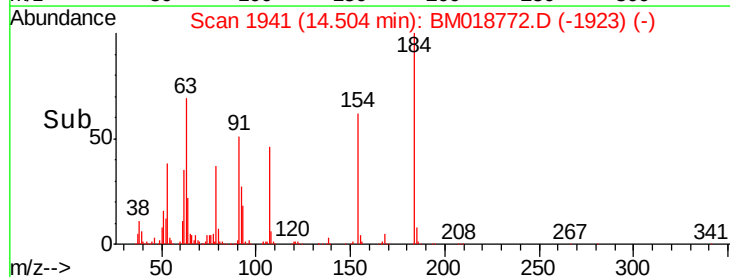
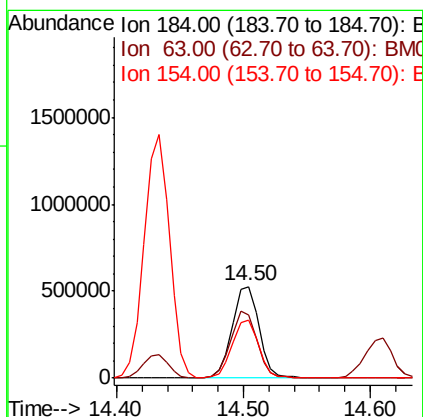
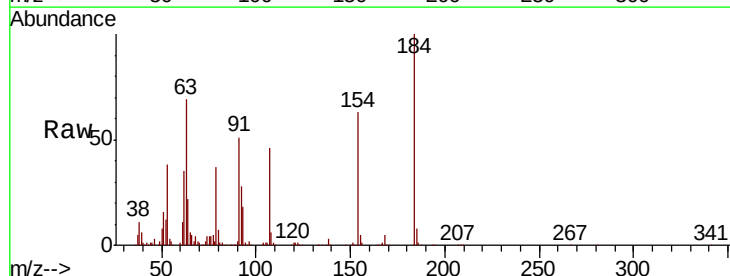
Instrument :
BNA_M
ClientSampleId :
PB117038BS

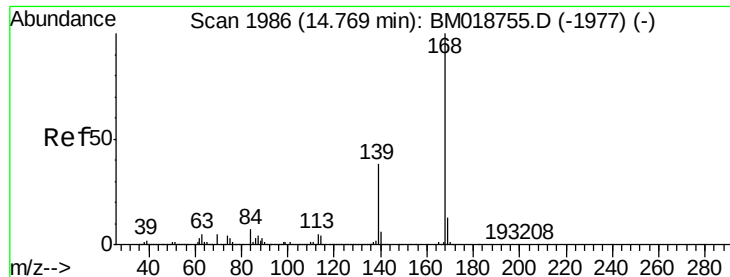
Tgt Ion:138 Resp: 651624
Ion Ratio Lower Upper
138 100
108 11.4 9.1 13.7
92 125.2 99.7 149.5



#54
2,4-Dinitrophenol
Concen: 87.860 ng
RT: 14.50 min Scan# 1941
Delta R.T. 0.01 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Tgt Ion:184 Resp: 772120
Ion Ratio Lower Upper
184 100
63 69.5 58.0 87.0
154 62.7 50.3 75.5





#55

Dibenzofuran

Concen: 42.200 ng

RT: 14.77 min Scan# 1986

Delta R.T. -0.00 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

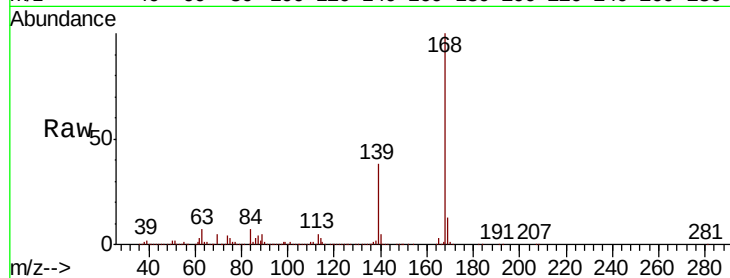
Tgt Ion:168 Resp: 3207849

Ion Ratio Lower Upper

168 100

139 38.4 30.7 46.1

169 13.3 10.3 15.5

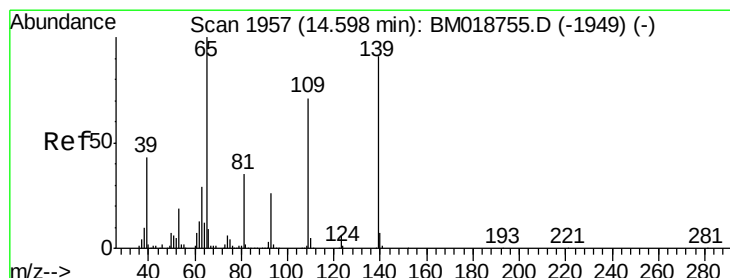
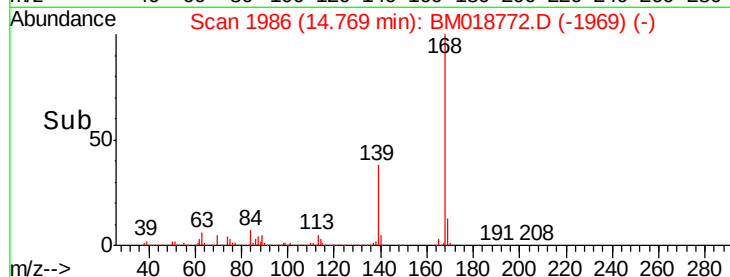
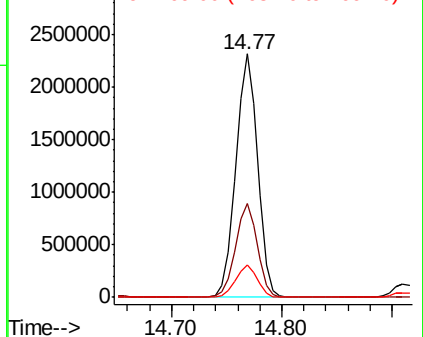


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 88.035 ng

RT: 14.61 min Scan# 1959

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

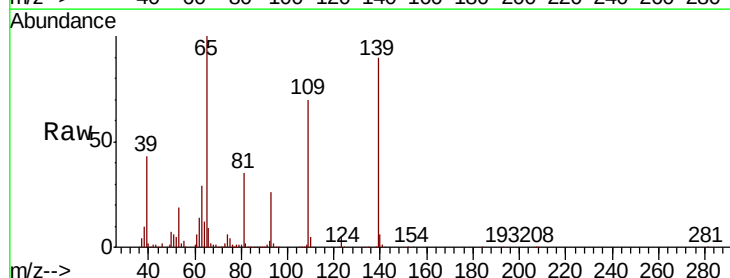
Tgt Ion:139 Resp: 1092162

Ion Ratio Lower Upper

139 100

109 77.5 58.4 98.4

65 110.9 89.8 129.8

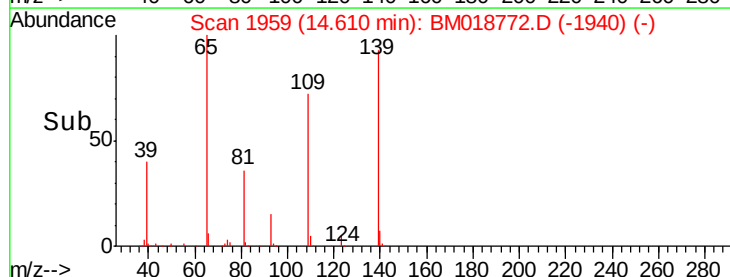
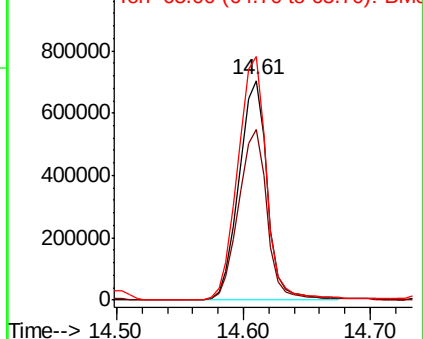


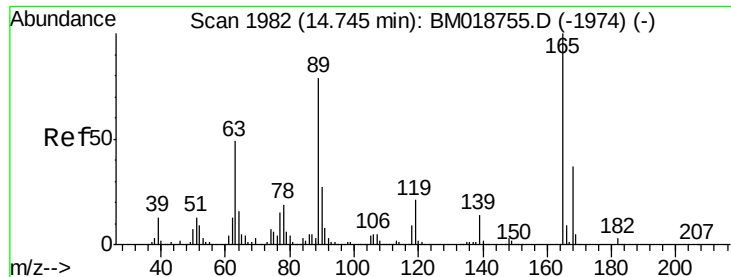
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E

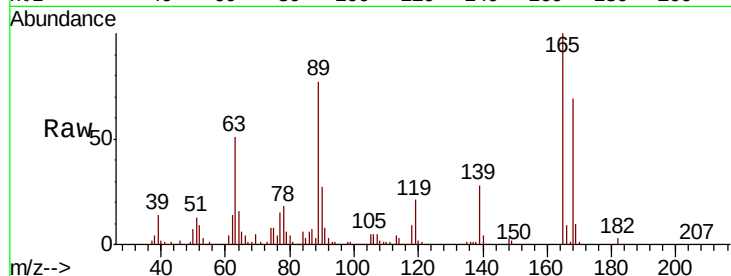




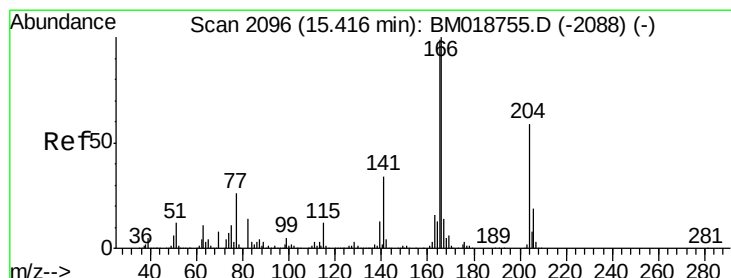
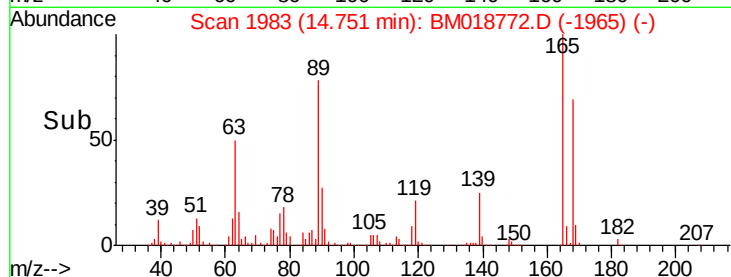
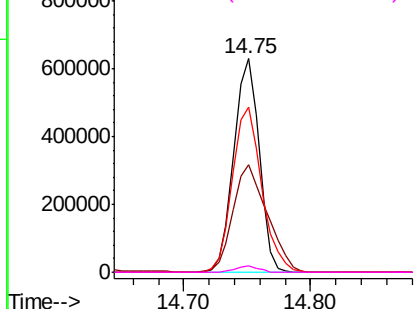
#57
2,4-Dinitrotoluene
Concen: 45.909 ng
RT: 14.75 min Scan# 1983
Delta R.T. 0.01 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Instrument :
BNA_M
ClientSampleId :
PB117038BS

Tgt Ion:165 Resp: 870014
Ion Ratio Lower Upper
165 100
63 50.7 39.6 59.4
89 77.5 63.5 95.3
182 2.9 2.2 3.4

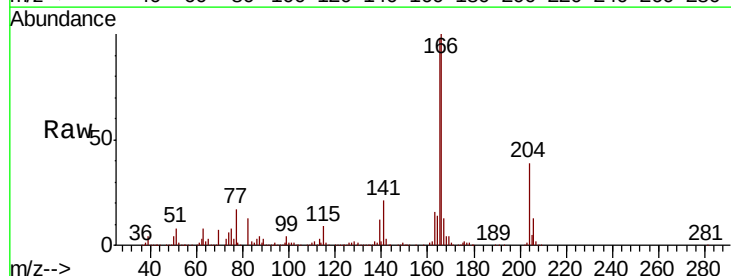


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BM
Ion 89.00 (88.70 to 89.70): BM
Ion 182.00 (181.70 to 182.70): E

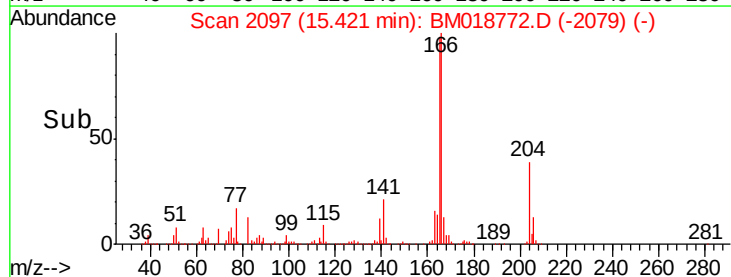
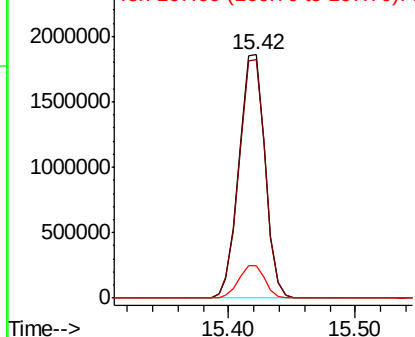


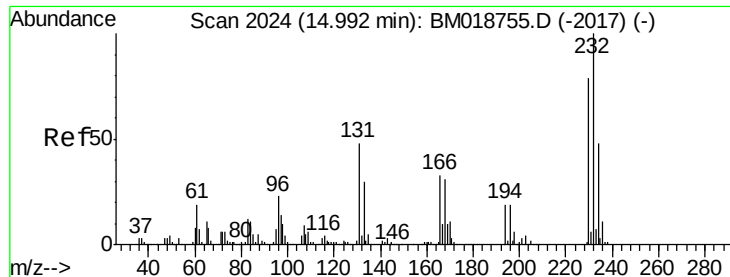
#58
Fluorene
Concen: 45.313 ng
RT: 15.42 min Scan# 2097
Delta R.T. 0.01 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Tgt Ion:166 Resp: 2635162
Ion Ratio Lower Upper
166 100
165 97.9 79.1 118.7
167 13.3 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

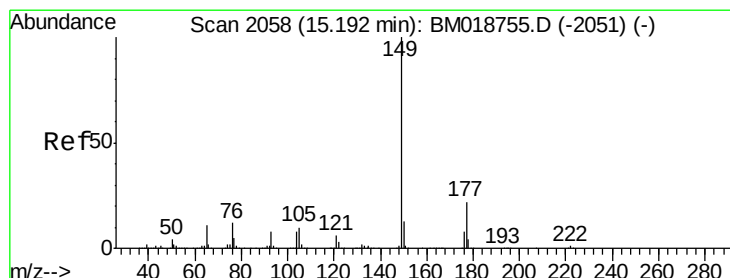
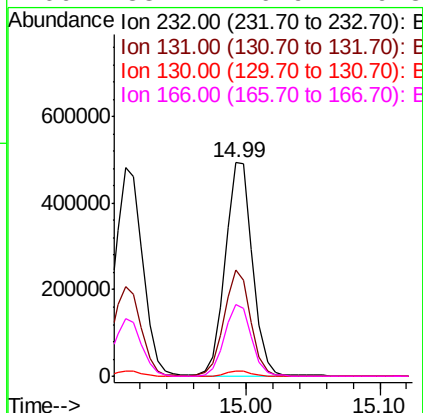
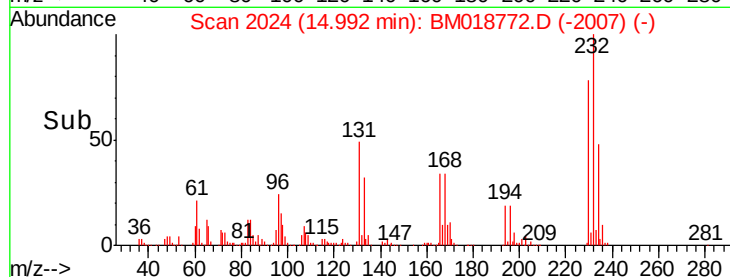
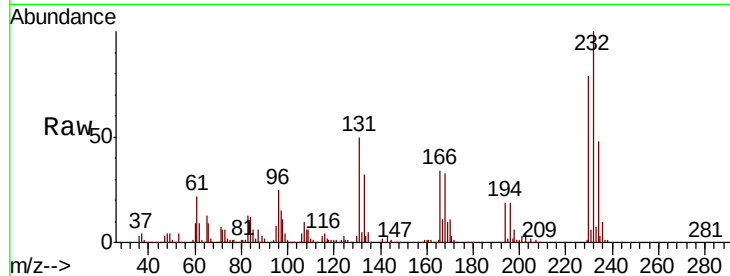




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 47.127 ng
 RT: 14.99 min Scan# 2024
 Delta R.T. -0.00 min
 Lab File: BM018772.D
 Acq: 12 Feb 2019 14:46

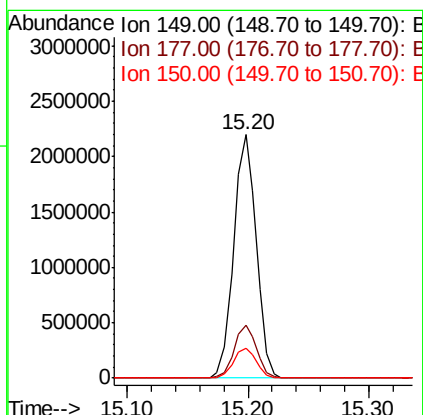
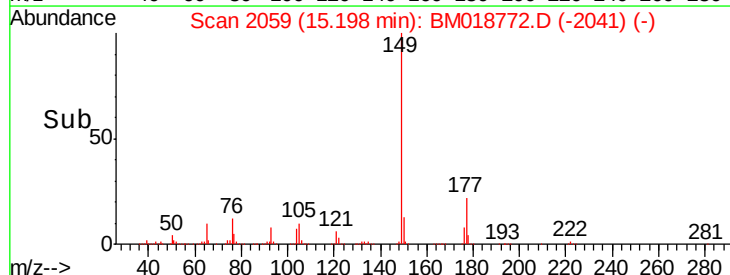
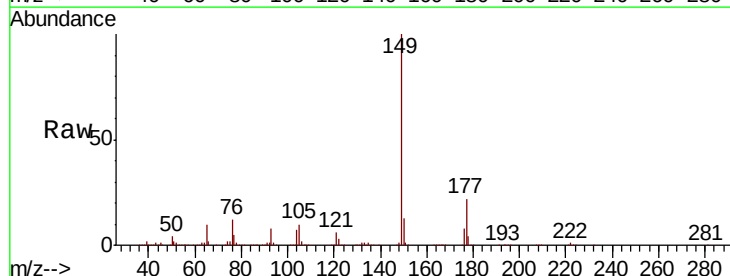
Instrument :
 BNA_M
 ClientSampleId :
 PB117038BS

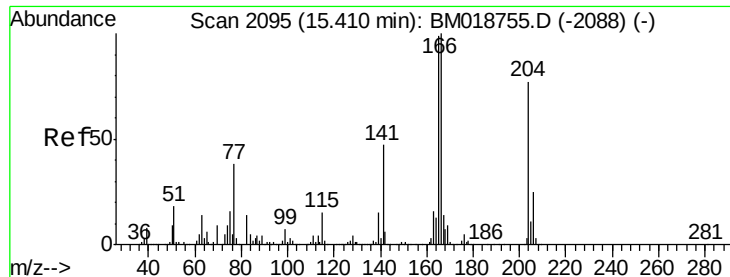
Tgt Ion:	232	Resp:	704436
Ion	Ratio	Lower	Upper
232	100		
131	48.9	38.6	57.8
130	2.5	2.0	3.0
166	33.7	26.9	40.3



#60
 Diethylphthalate
 Concen: 43.633 ng
 RT: 15.20 min Scan# 2059
 Delta R.T. 0.01 min
 Lab File: BM018772.D
 Acq: 12 Feb 2019 14:46

Tgt Ion:	149	Resp:	2857834
Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.2	25.8
150	12.5	10.2	15.2

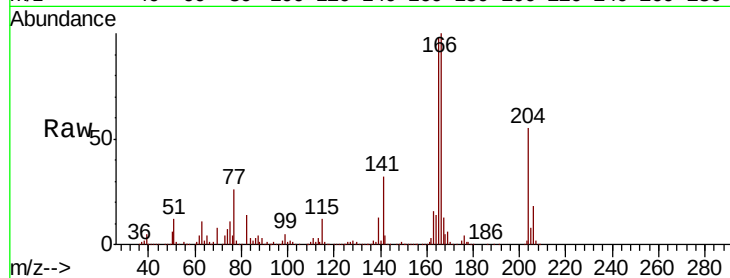




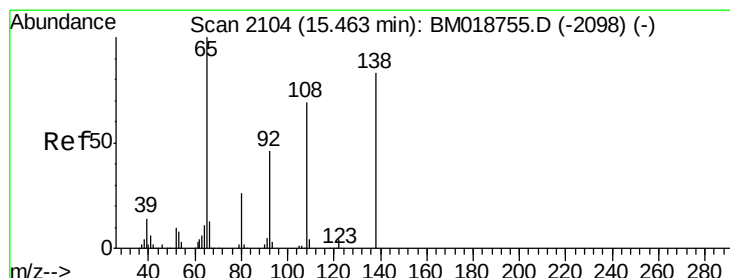
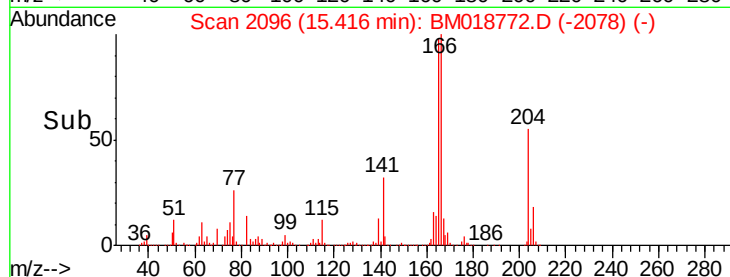
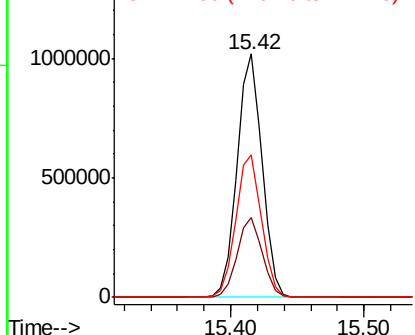
#61
4-Chlorophenyl-phenylether
Concen: 40.532 ng
RT: 15.42 min Scan# 2096
Delta R.T. 0.01 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Instrument :
BNA_M
ClientSampleId :
PB117038BS

Tgt Ion:204 Resp: 1321568
Ion Ratio Lower Upper
204 100
206 32.9 26.2 39.2
141 58.6 49.2 73.8

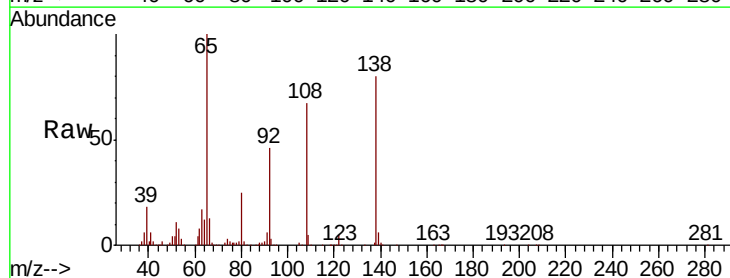


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

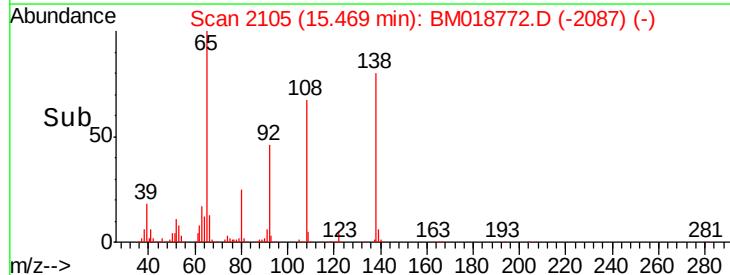
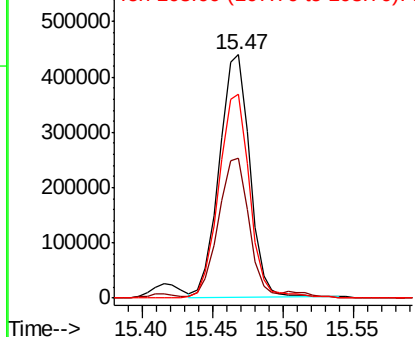


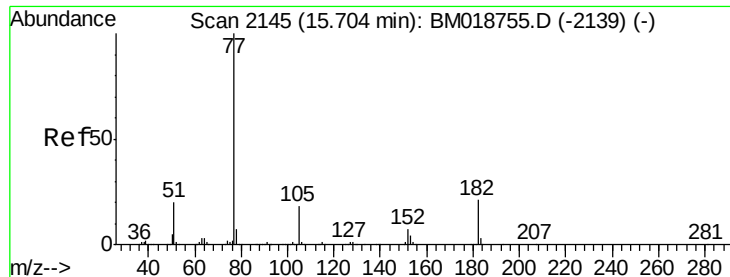
#62
4-Nitroaniline
Concen: 43.400 ng
RT: 15.47 min Scan# 2105
Delta R.T. 0.01 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Tgt Ion:138 Resp: 661221
Ion Ratio Lower Upper
138 100
92 57.7 35.5 75.5
108 84.0 62.4 102.4



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM0
Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 43.399 ng

RT: 15.71 min Scan# 2146

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

Tgt Ion: 77 Resp: 3047772

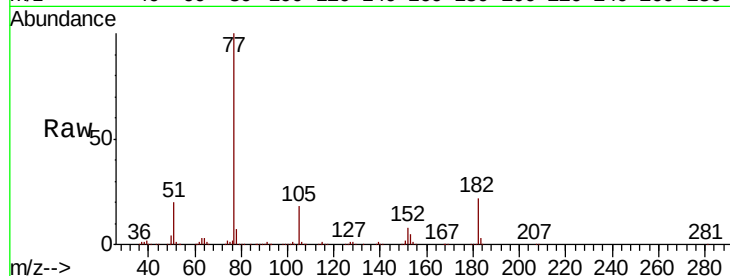
Ion Ratio Lower Upper

77 100

182 21.8 1.0 41.0

105 18.3 0.0 37.7

51 20.3 0.3 40.3

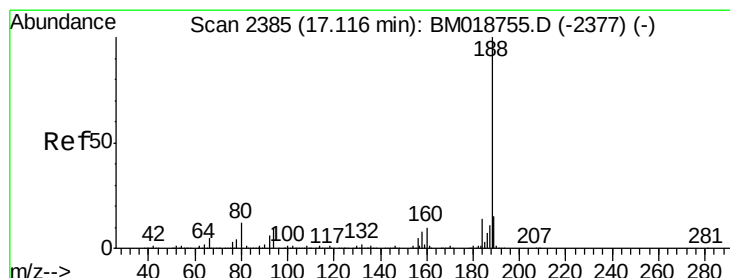
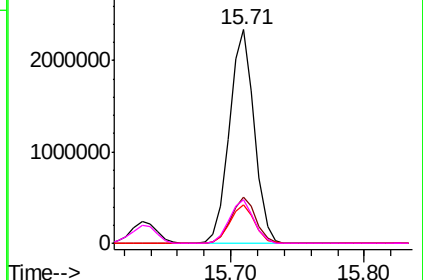
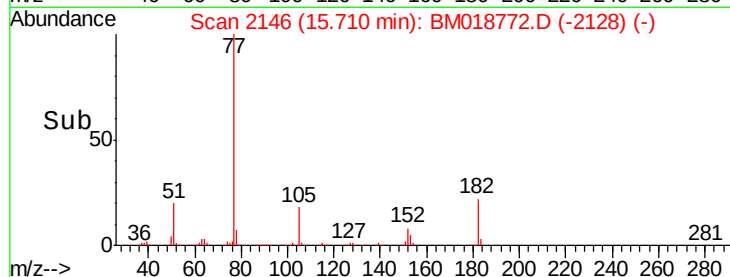


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.12 min Scan# 2385

Delta R.T. -0.00 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

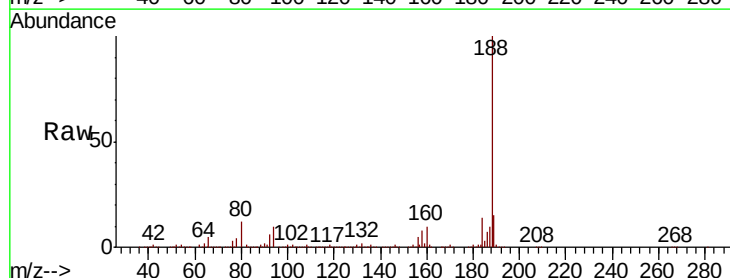
Tgt Ion: 188 Resp: 1773088

Ion Ratio Lower Upper

188 100

94 10.3 8.2 12.2

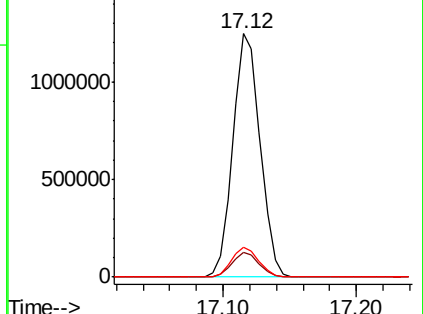
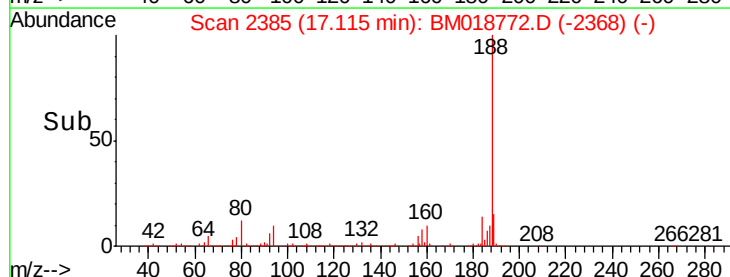
80 12.4 9.7 14.5

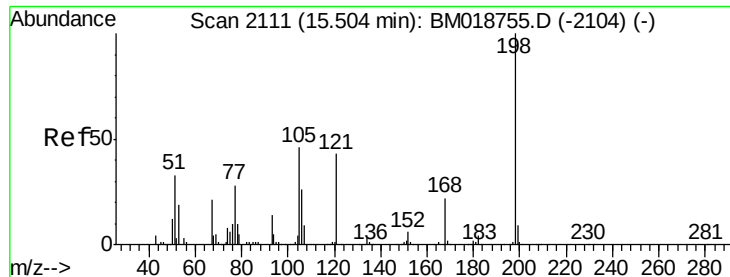


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

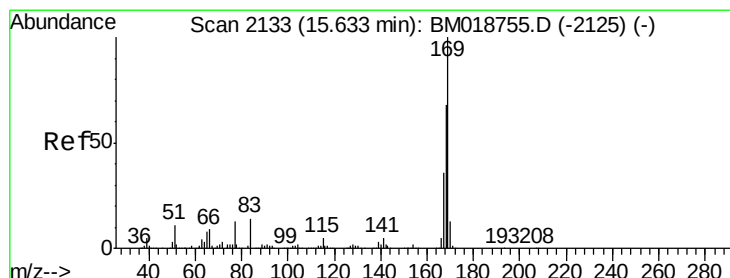
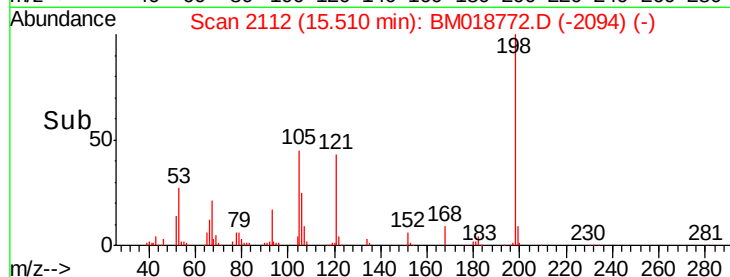
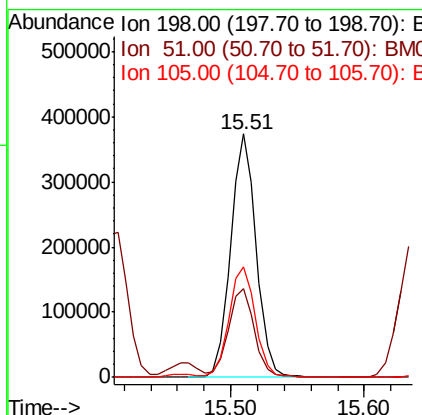
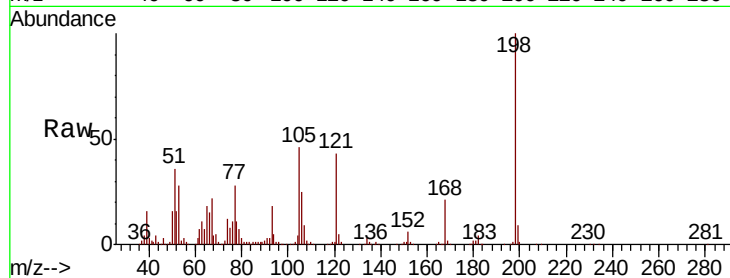




#65
 4,6-Dinitro-2-methylphenol
 Concen: 40.066 ng
 RT: 15.51 min Scan# 2112
 Delta R.T. 0.01 min
 Lab File: BM018772.D
 Acq: 12 Feb 2019 14:46

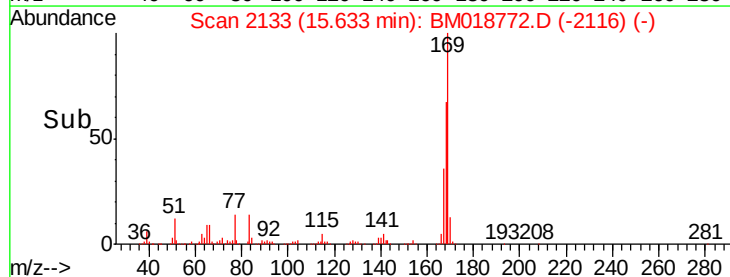
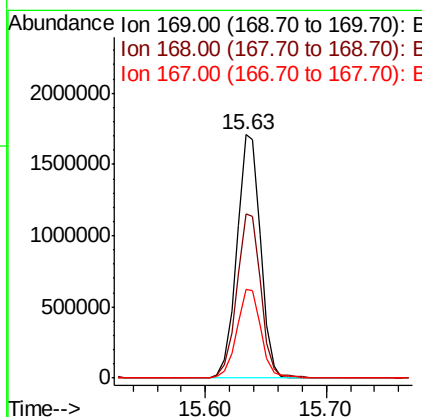
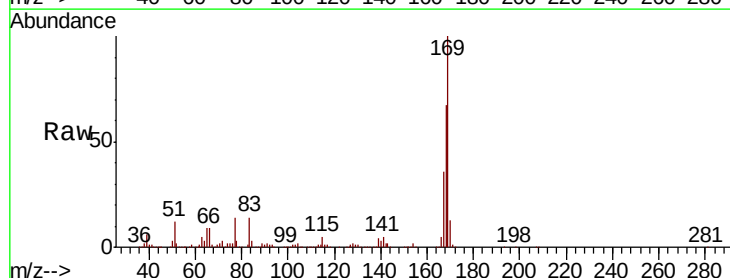
Instrument :
 BNA_M
 ClientSampleId :
 PB117038BS

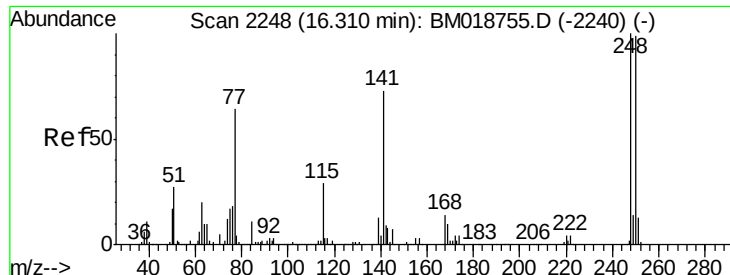
Tgt Ion:198 Resp: 498784
 Ion Ratio Lower Upper
 198 100
 51 36.3 18.4 58.4
 105 45.6 27.2 67.2



#66
 n-Nitrosodiphenylamine
 Concen: 41.420 ng
 RT: 15.63 min Scan# 2133
 Delta R.T. -0.00 min
 Lab File: BM018772.D
 Acq: 12 Feb 2019 14:46

Tgt Ion:169 Resp: 2320294
 Ion Ratio Lower Upper
 169 100
 168 67.3 54.4 81.6
 167 36.5 29.0 43.6

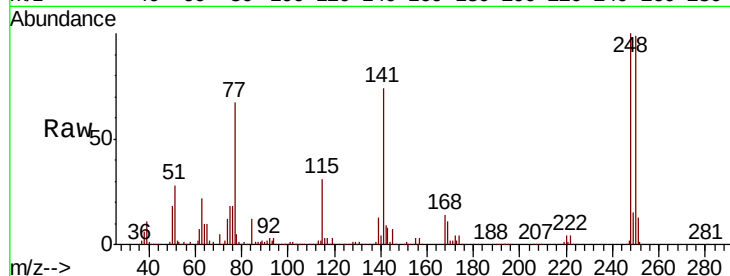




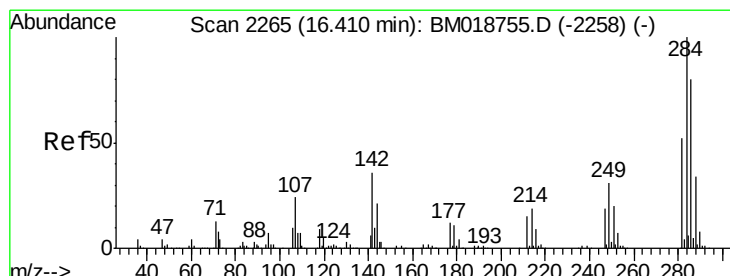
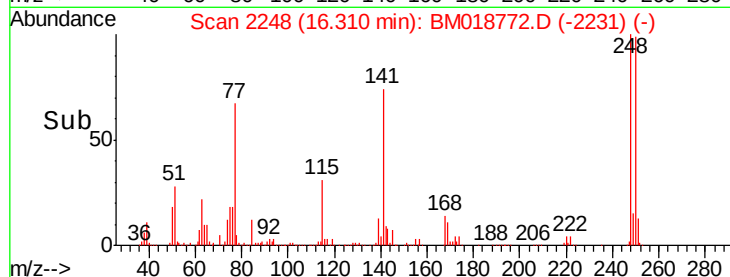
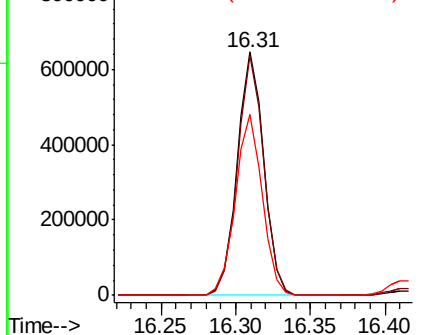
#67
4-Bromophenyl-phenylether
Concen: 40.325 ng
RT: 16.31 min Scan# 2248
Delta R.T. -0.00 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Instrument :
BNA_M
ClientSampleId :
PB117038BS

Tgt Ion:248 Resp: 800322
Ion Ratio Lower Upper
248 100
250 98.7 79.0 118.6
141 74.4 58.6 88.0

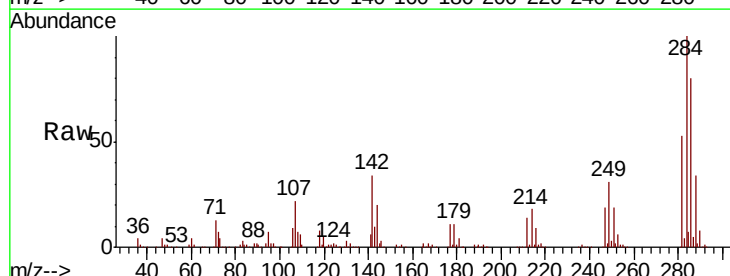


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

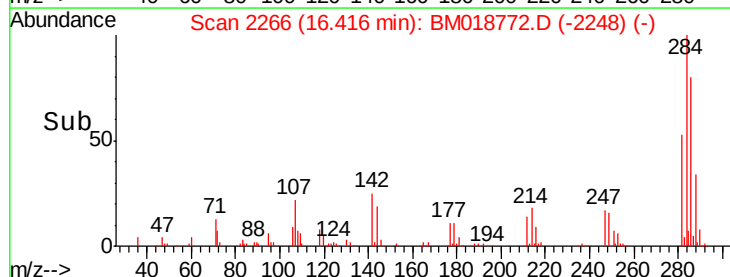
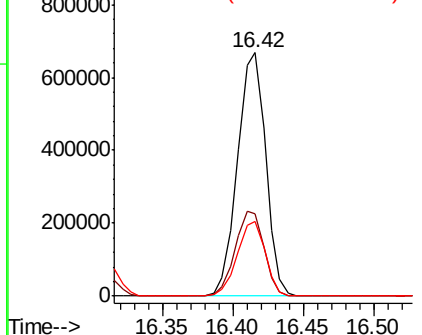


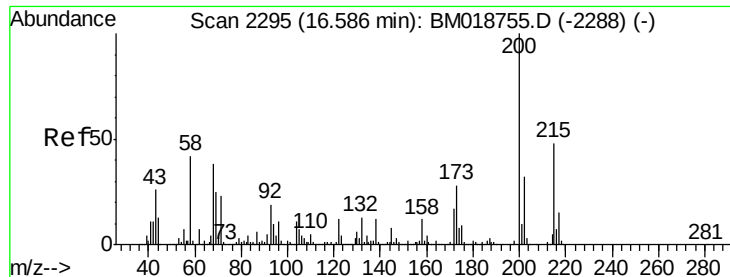
#68
Hexachlorobenzene
Concen: 40.423 ng
RT: 16.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Tgt Ion:284 Resp: 932498
Ion Ratio Lower Upper
284 100
142 33.9 28.9 43.3
249 30.8 24.8 37.2



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





#69

Atrazine

Concen: 43.867 ng

RT: 16.59 min Scan# 2296

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

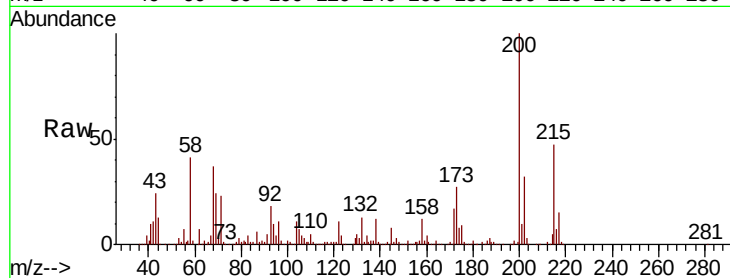
Tgt Ion:200 Resp: 792230

Ion Ratio Lower Upper

200 100

173 27.3 7.6 47.6

215 47.1 27.6 67.6

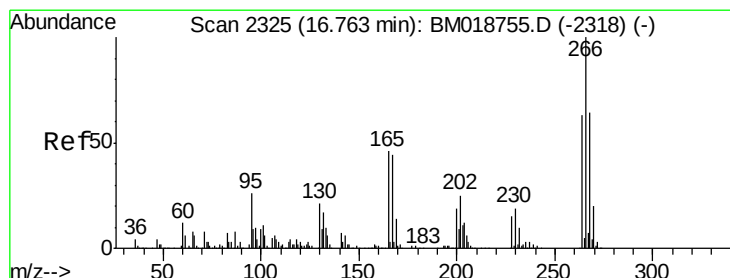
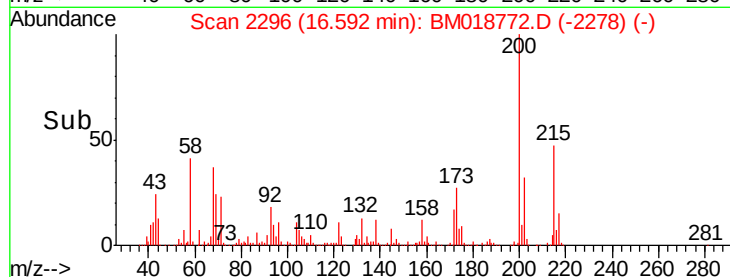
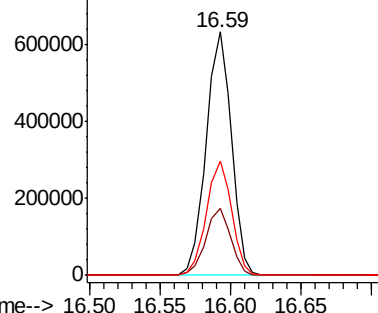


Abundance

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



#70

Pentachlorophenol

Concen: 83.118 ng

RT: 16.76 min Scan# 2325

Delta R.T. -0.00 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

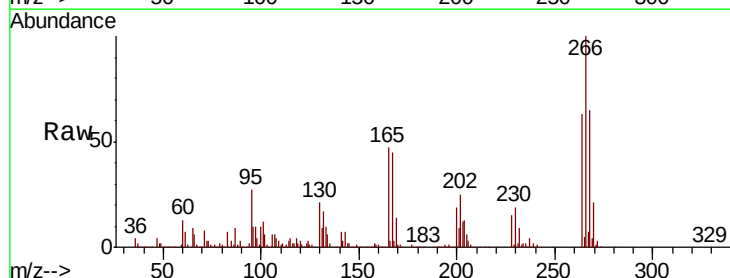
Tgt Ion:266 Resp: 1234591

Ion Ratio Lower Upper

266 100

268 65.1 51.3 76.9

264 63.4 50.6 75.8

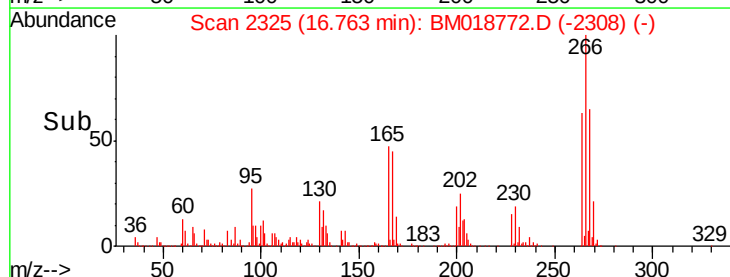
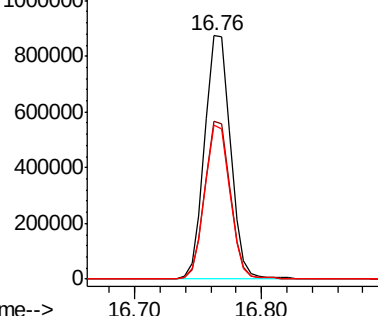


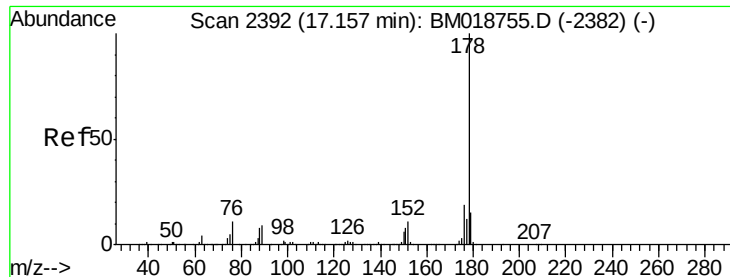
Abundance

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

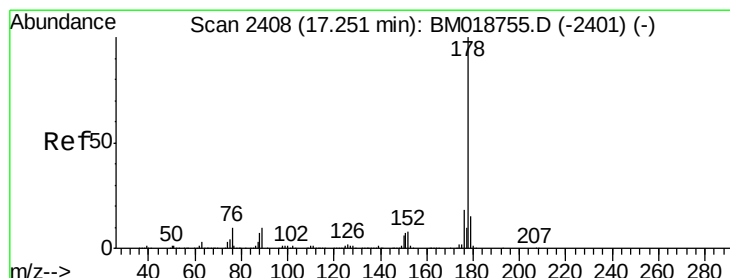
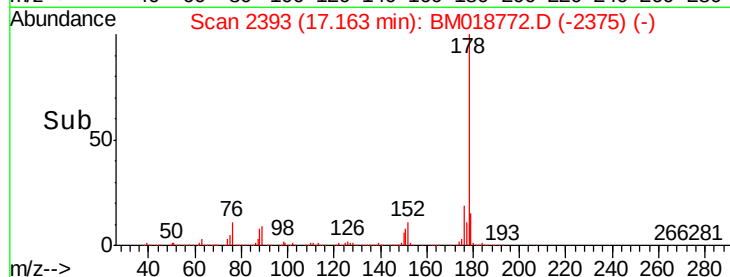
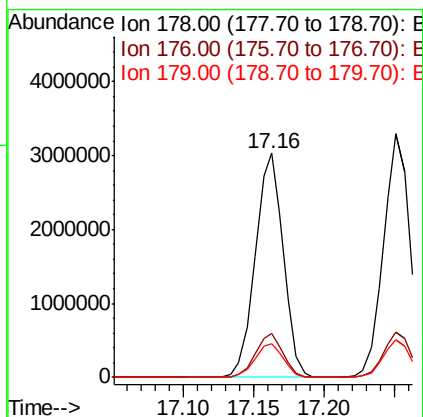
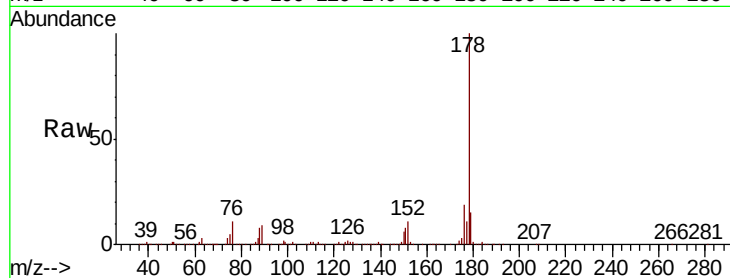




#71
Phenanthrene
Concen: 44.298 ng
RT: 17.16 min Scan# 2393
Delta R.T. 0.01 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

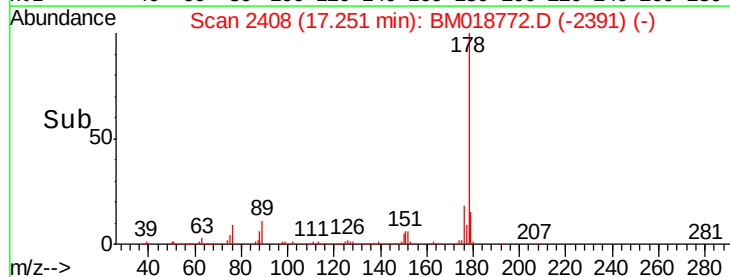
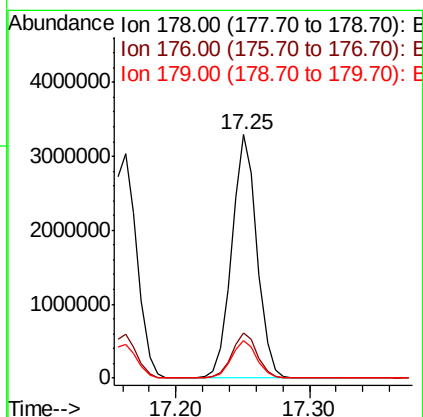
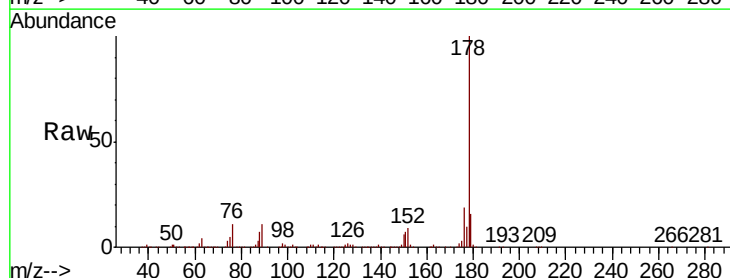
Instrument :
BNA_M
ClientSampleId :
PB117038BS

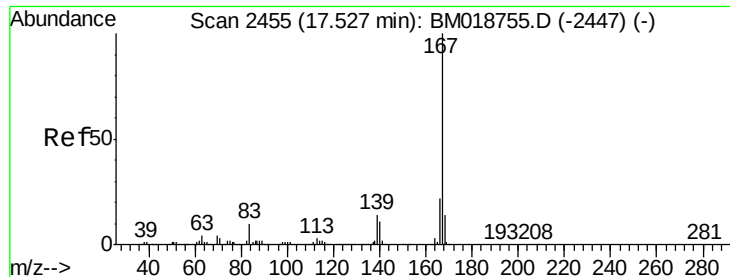
Tgt Ion:178 Resp: 4221085
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.3 12.3 18.5



#72
Anthracene
Concen: 46.576 ng
RT: 17.25 min Scan# 2408
Delta R.T. -0.00 min
Lab File: BM018772.D
Acq: 12 Feb 2019 14:46

Tgt Ion:178 Resp: 4319822
Ion Ratio Lower Upper
178 100
176 18.7 14.8 22.2
179 15.5 12.1 18.1

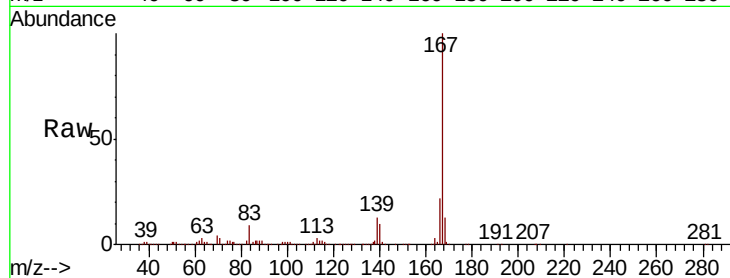




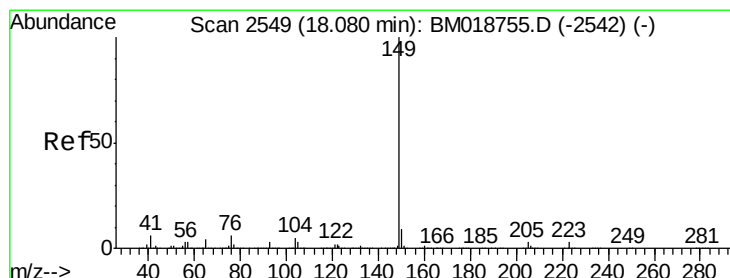
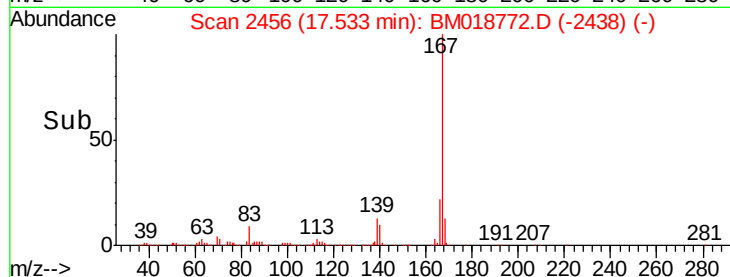
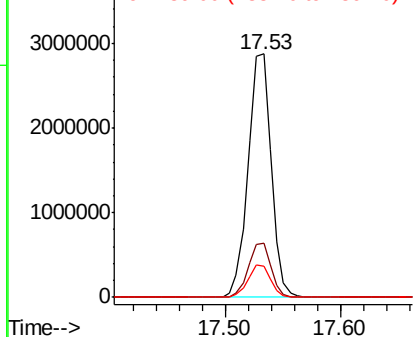
#73
 Carbazole
 Concen: 41.412 ng
 RT: 17.53 min Scan# 2456
 Delta R.T. 0.01 min
 Lab File: BM018772.D
 Acq: 12 Feb 2019 14:46

Instrument :
 BNA_M
 ClientSampleId :
 PB117038BS

Tgt Ion:167 Resp: 4012744
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.7 26.5
 139 12.8 10.9 16.3

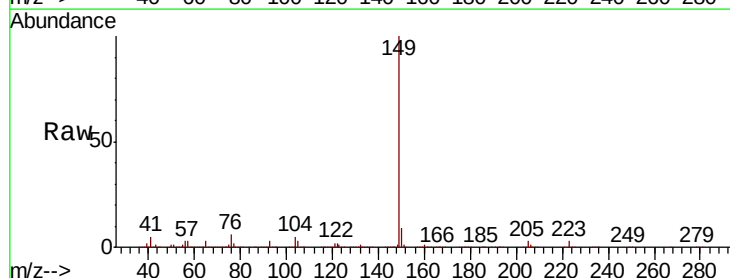


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

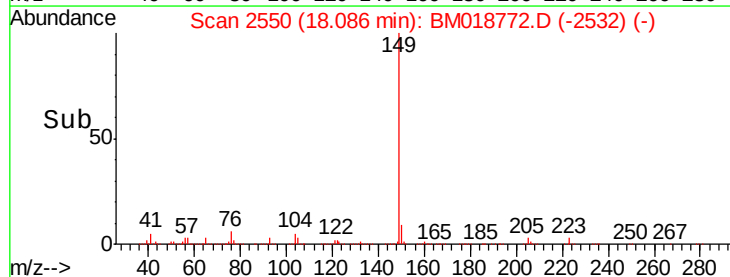
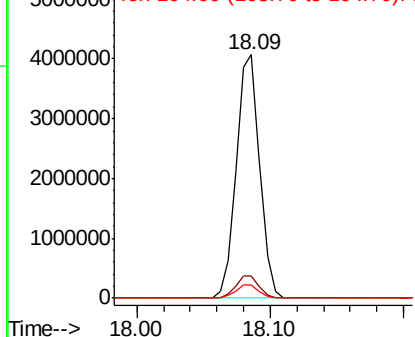


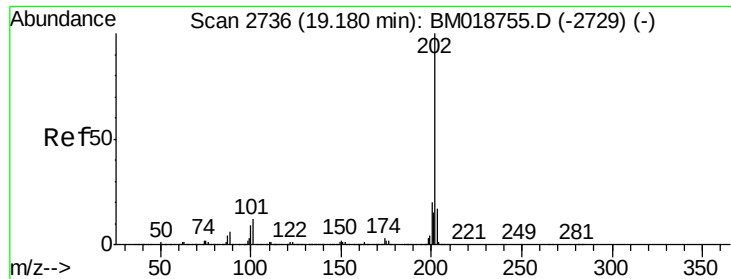
#74
 Di-n-butylphthalate
 Concen: 44.398 ng
 RT: 18.09 min Scan# 2550
 Delta R.T. 0.01 min
 Lab File: BM018772.D
 Acq: 12 Feb 2019 14:46

Tgt Ion:149 Resp: 4947756
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 5.5 4.3 6.5



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 45.419 ng

RT: 19.18 min Scan# 2736

Delta R.T. -0.00 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

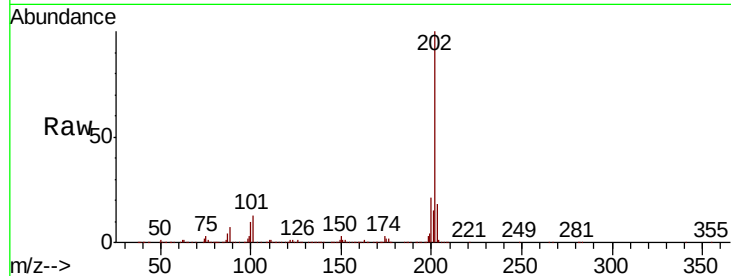
Tgt Ion:202 Resp: 4999243

Ion Ratio Lower Upper

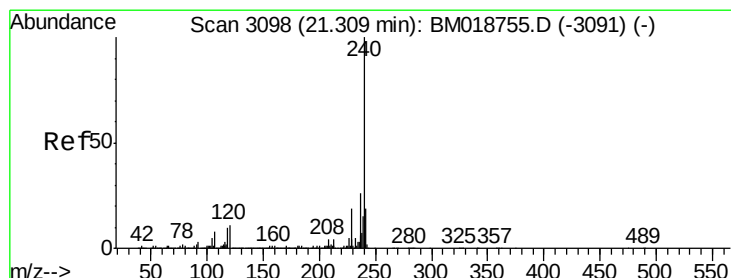
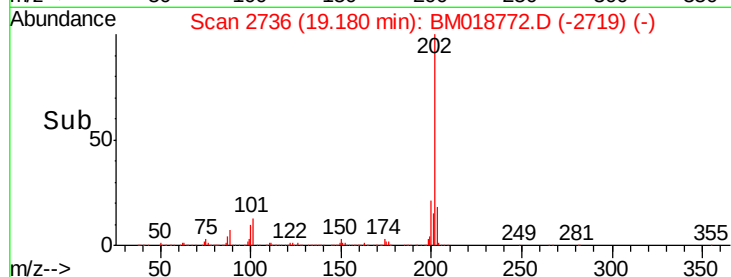
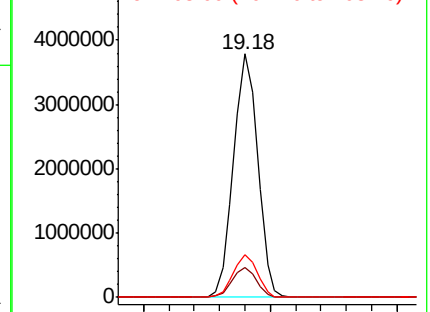
202 100

101 12.5 0.0 31.5

203 17.6 0.0 37.3



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.32 min Scan# 3099

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

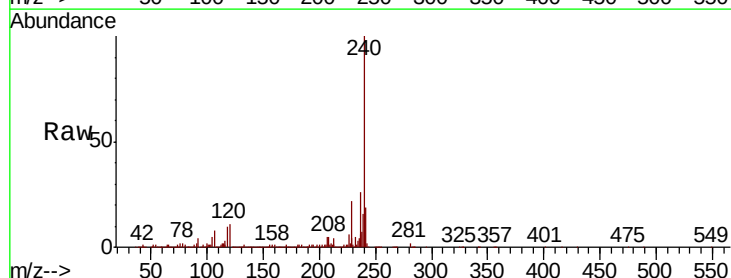
Tgt Ion:240 Resp: 1998976

Ion Ratio Lower Upper

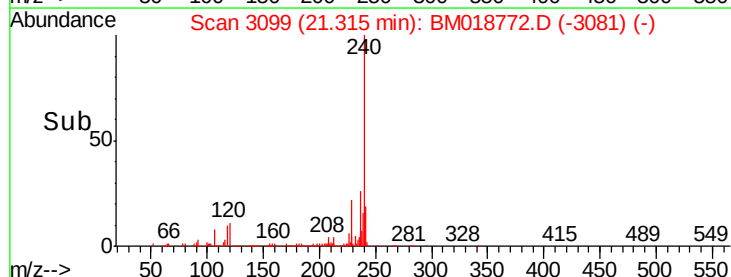
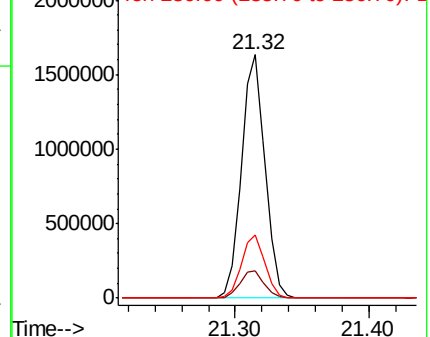
240 100

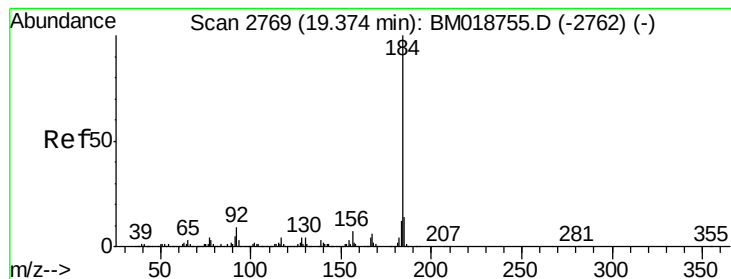
120 11.0 8.9 13.3

236 25.7 20.9 31.3



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





#77

Benzidine

Concen: 129.864 ng

RT: 19.38 min Scan# 2770

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

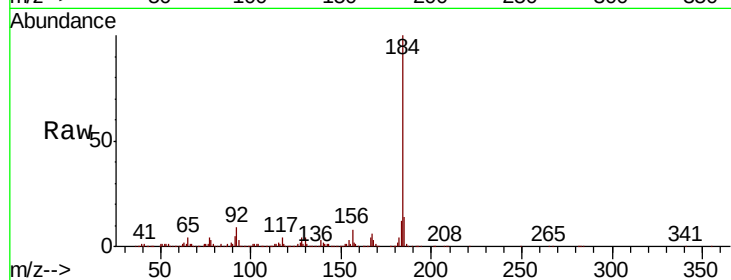
Tgt Ion:184 Resp: 5846452

Ion Ratio Lower Upper

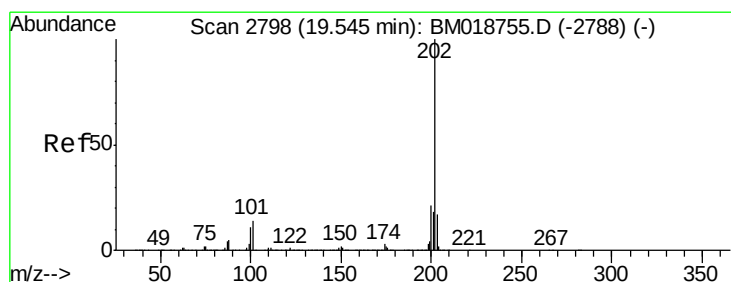
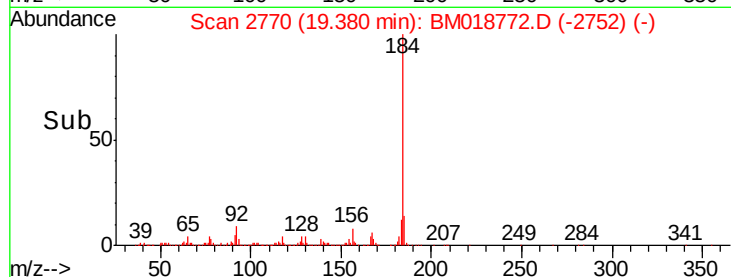
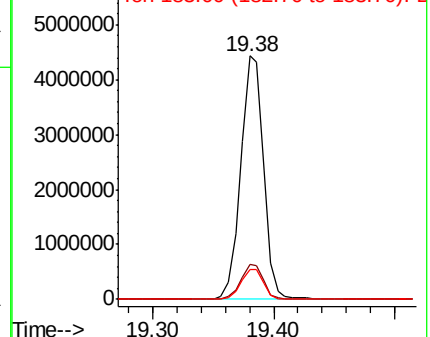
184 100

185 14.4 11.2 16.8

183 12.4 9.7 14.5



Abundance Ion 184.00 (183.70 to 184.70): E
6000000
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 44.391 ng

RT: 19.54 min Scan# 2798

Delta R.T. -0.00 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

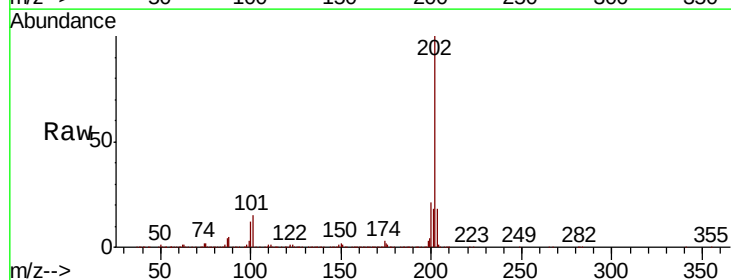
Tgt Ion:202 Resp: 5153779

Ion Ratio Lower Upper

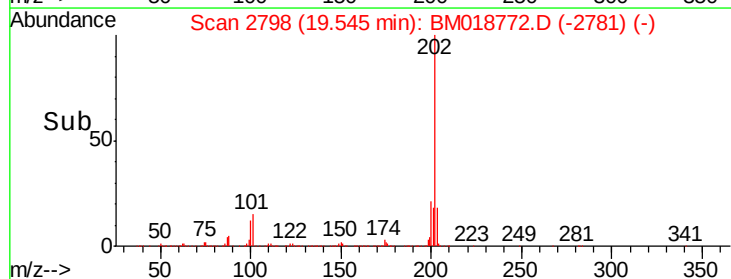
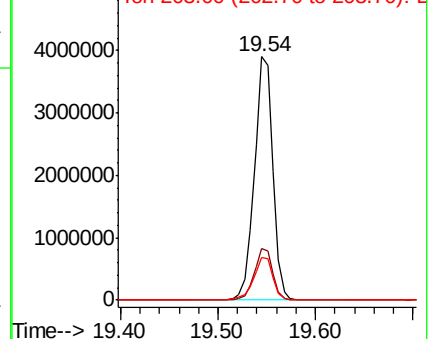
202 100

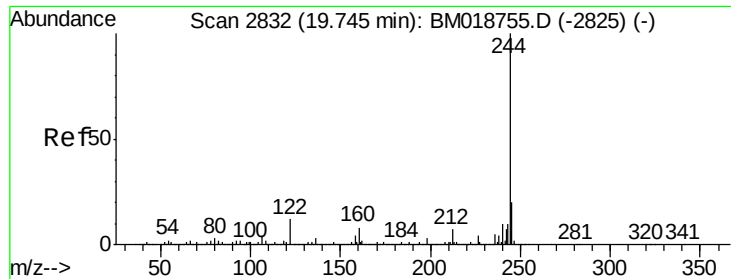
200 21.1 16.9 25.3

203 17.5 13.8 20.8



Abundance Ion 202.00 (201.70 to 202.70): E
5000000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 78.343 ng

RT: 19.75 min Scan# 2833

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

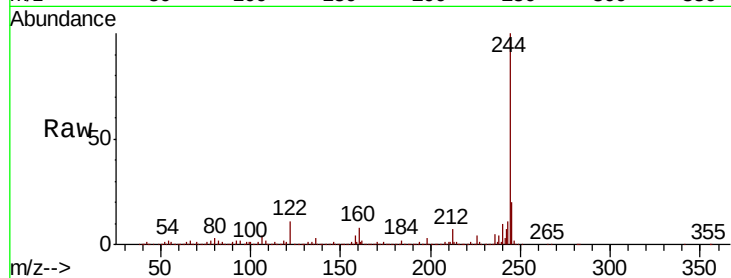
Tgt Ion:244 Resp: 7591537

Ion Ratio Lower Upper

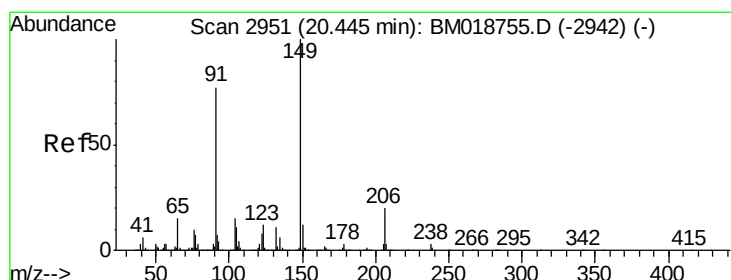
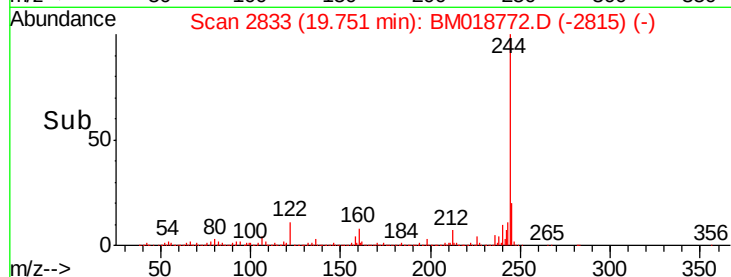
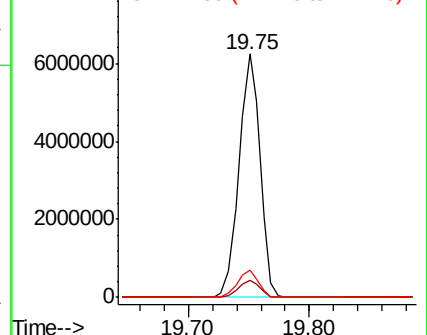
244 100

212 7.0 5.6 8.4

122 11.1 9.3 13.9



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



#80

Butylbenzylphthalate

Concen: 45.506 ng

RT: 20.45 min Scan# 2952

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

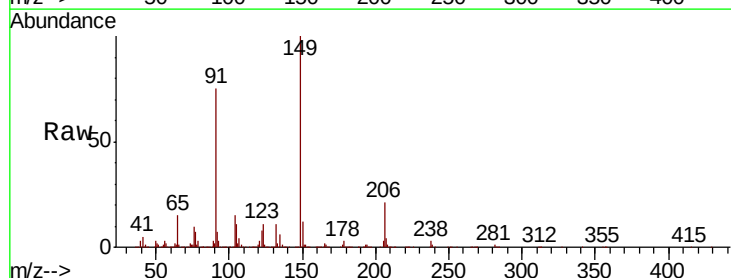
Tgt Ion:149 Resp: 2407747

Ion Ratio Lower Upper

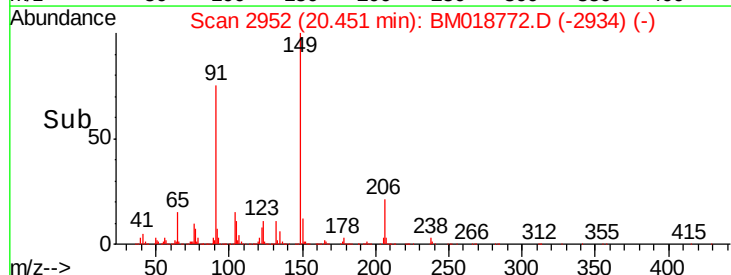
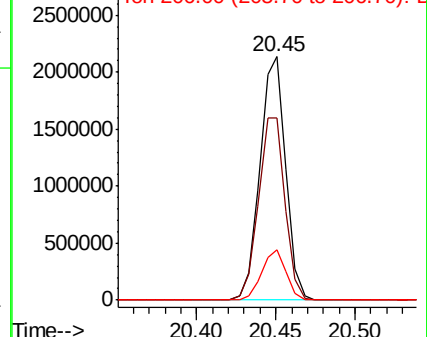
149 100

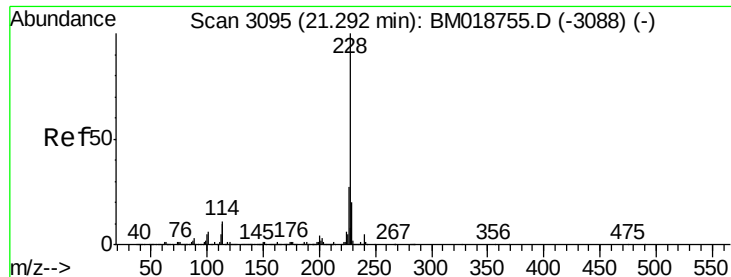
91 74.8 61.4 92.0

206 20.8 15.8 23.8



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





#81

Benzo(a)anthracene

Concen: 45.166 ng

RT: 21.30 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

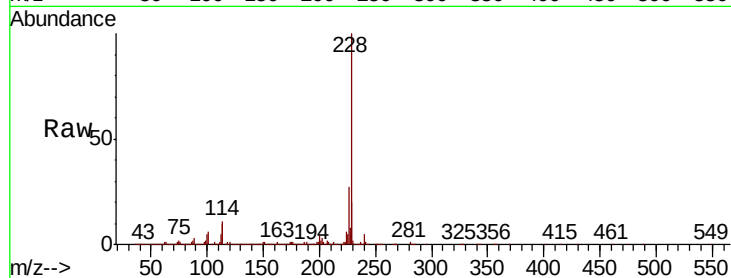
Tgt Ion:228 Resp: 5262910

Ion Ratio Lower Upper

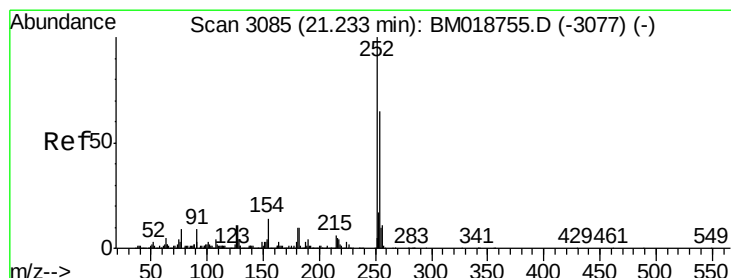
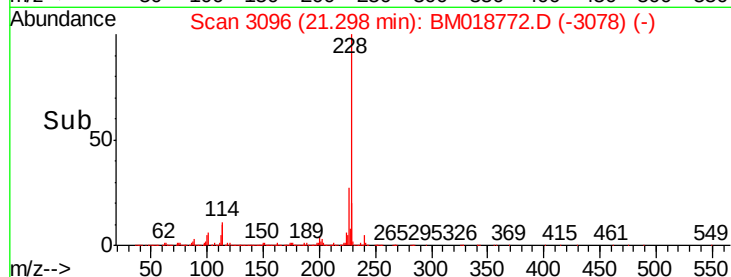
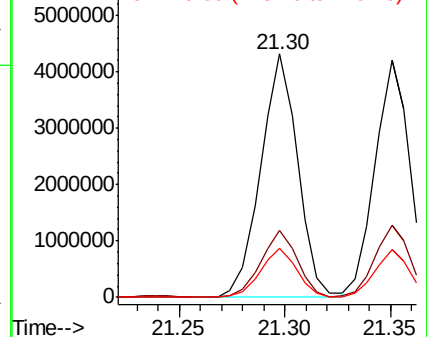
228 100

226 27.5 21.9 32.9

229 20.1 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 44.925 ng

RT: 21.24 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

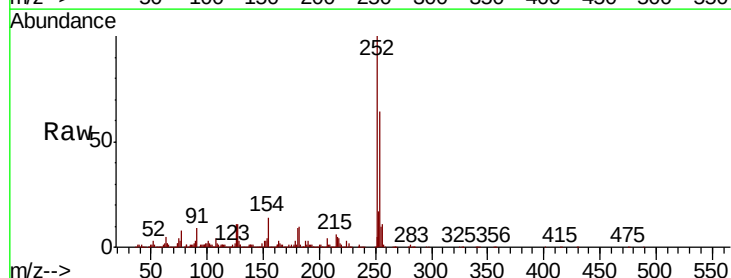
Tgt Ion:252 Resp: 2068894

Ion Ratio Lower Upper

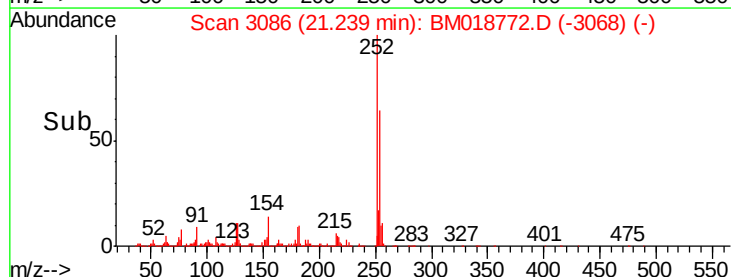
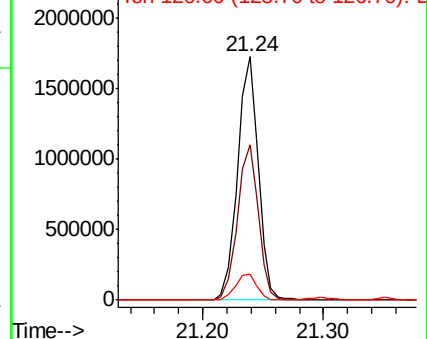
252 100

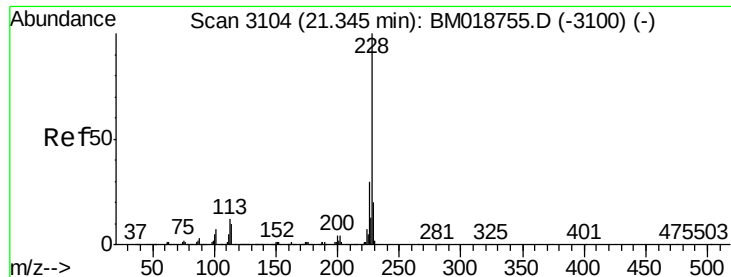
254 64.1 51.8 77.8

126 10.7 9.1 13.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 43.261 ng

RT: 21.35 min Scan# 3105

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

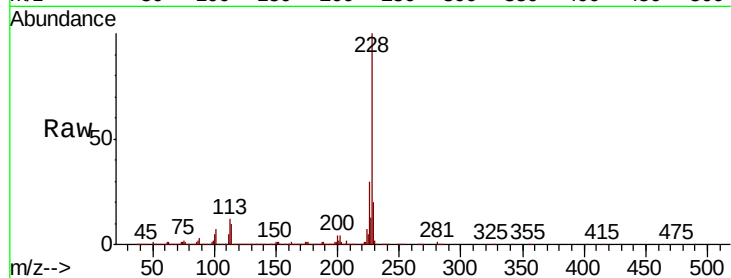
Tgt Ion:228 Resp: 4831662

Ion Ratio Lower Upper

228 100

226 30.4 24.1 36.1

229 20.1 16.0 24.0

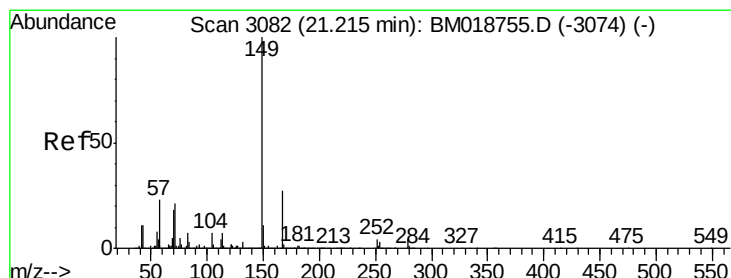
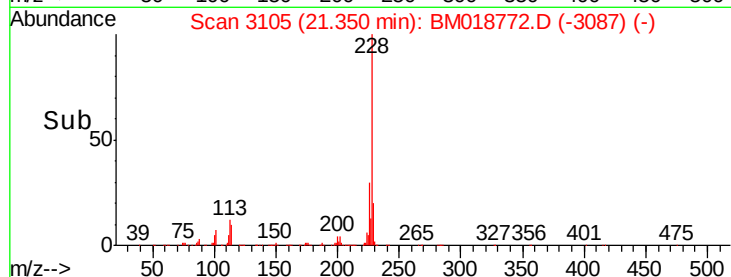
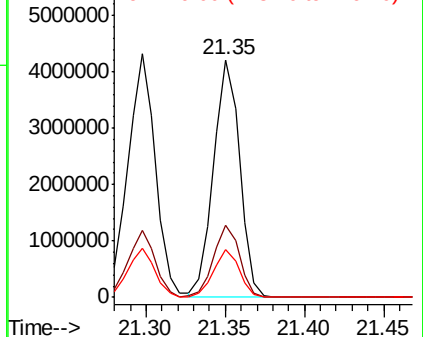


Abundance

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.131 ng

RT: 21.22 min Scan# 3082

Delta R.T. -0.00 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

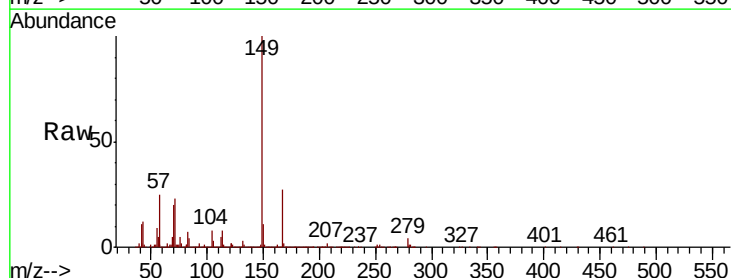
Tgt Ion:149 Resp: 3495000

Ion Ratio Lower Upper

149 100

167 26.9 21.8 32.6

279 3.9 3.6 5.4

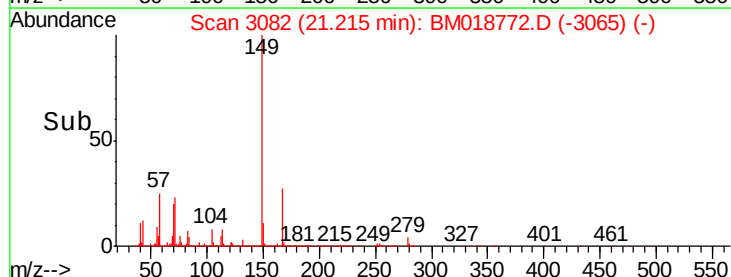
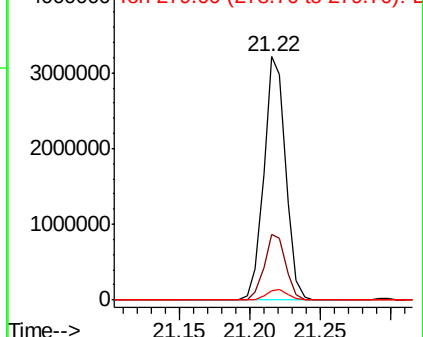


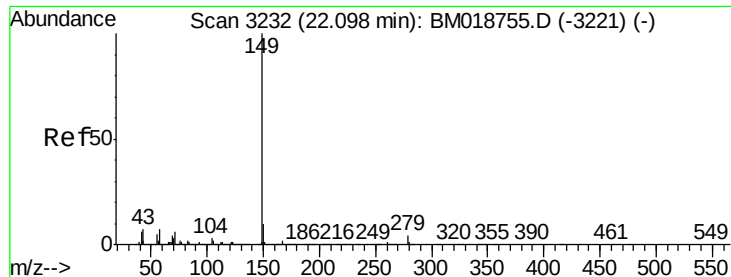
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 46.324 ng

RT: 22.10 min Scan# 3233

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

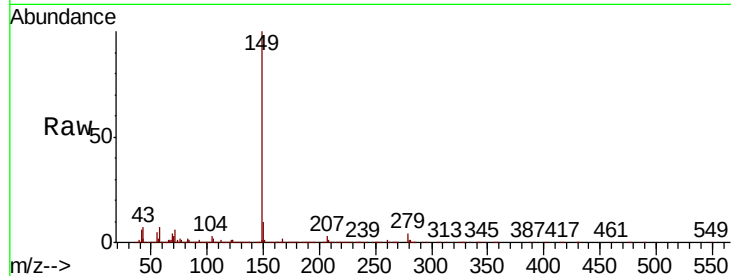
Tgt Ion:149 Resp: 6029333

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

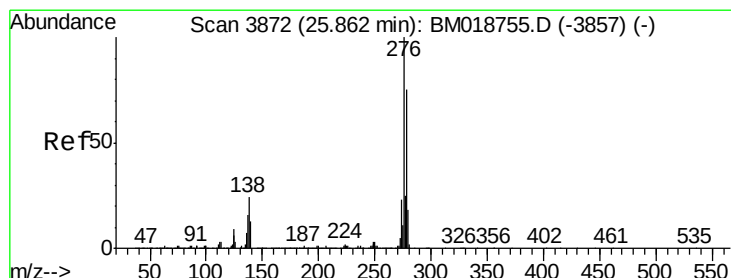
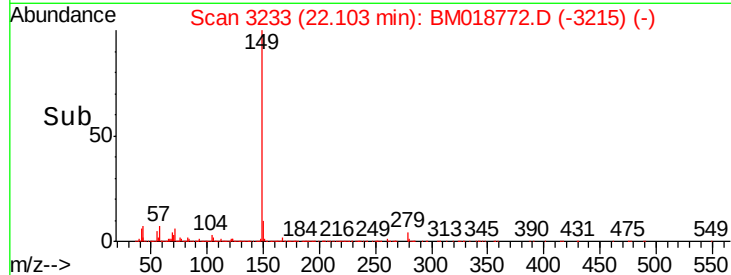
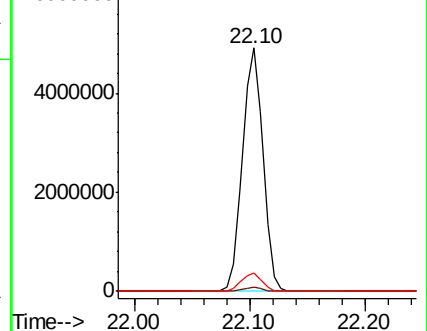
43 7.4 6.0 9.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#86

Indeno(1,2,3-cd)pyrene

Concen: 40.113 ng

RT: 25.87 min Scan# 3874

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

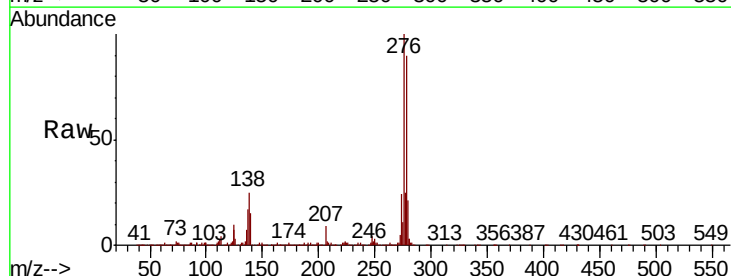
Tgt Ion:276 Resp: 5172438

Ion Ratio Lower Upper

276 100

138 25.3 20.2 30.4

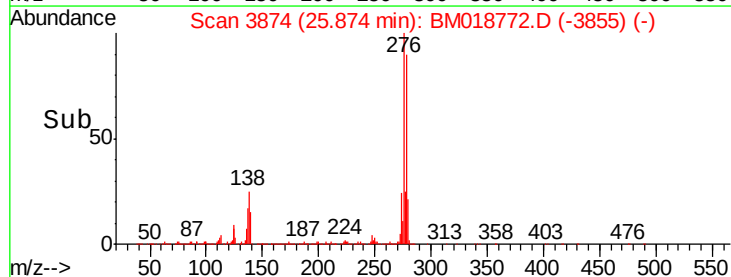
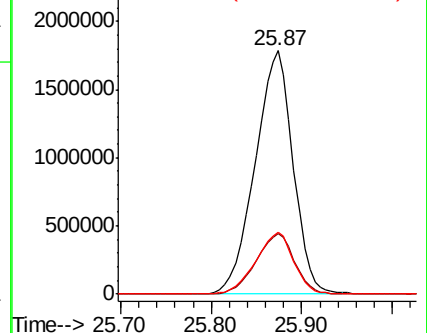
277 25.4 20.3 30.5

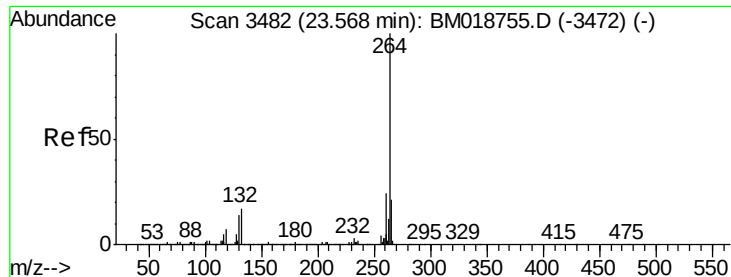


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.57 min Scan# 3483

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

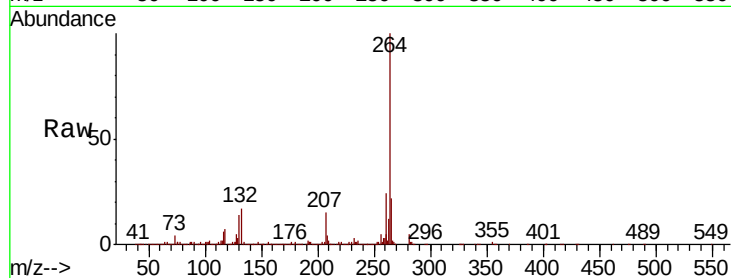
Tgt Ion:264 Resp: 1901089

Ion Ratio Lower Upper

264 100

260 24.4 18.9 28.3

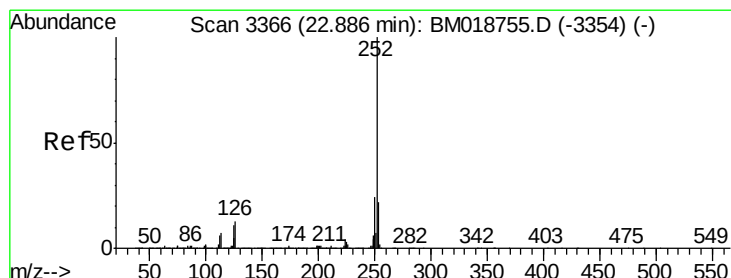
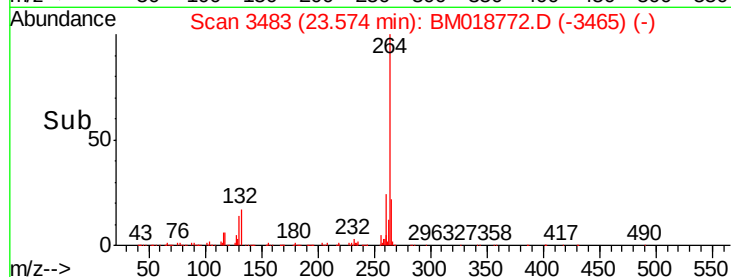
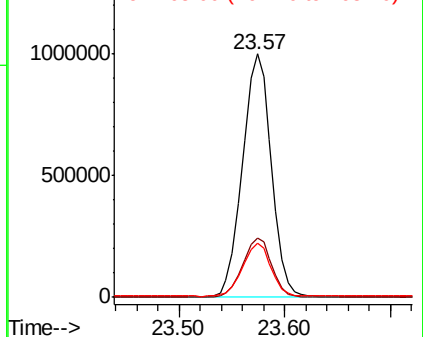
265 22.0 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 47.122 ng

RT: 22.89 min Scan# 3367

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

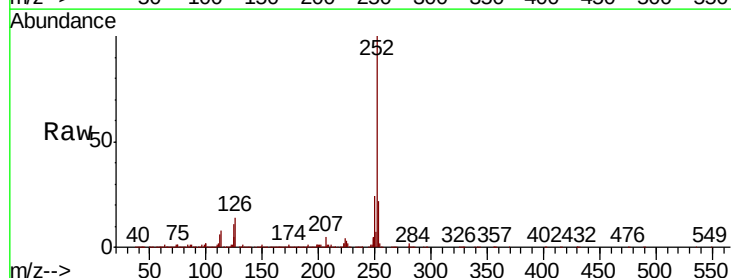
Tgt Ion:252 Resp: 5125426

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

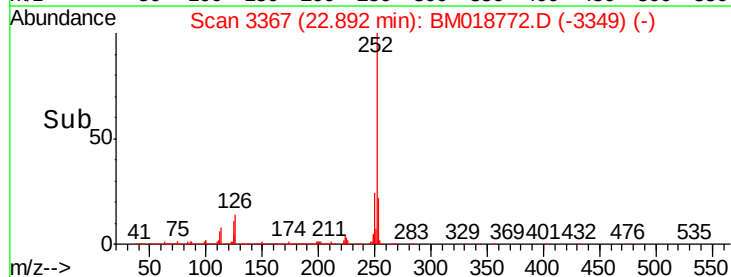
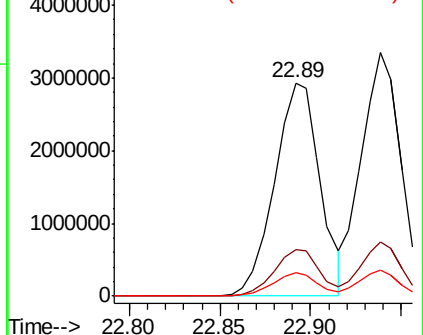
125 10.8 8.6 12.8

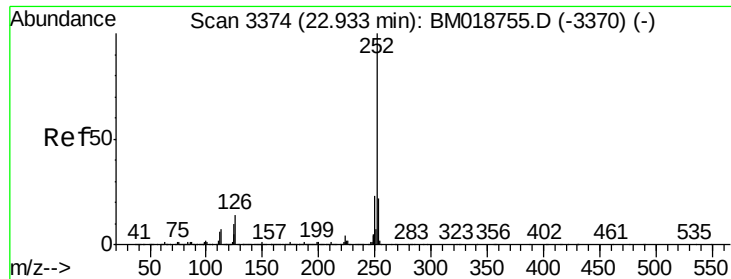


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 46.667 ng

RT: 22.94 min Scan# 3375

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

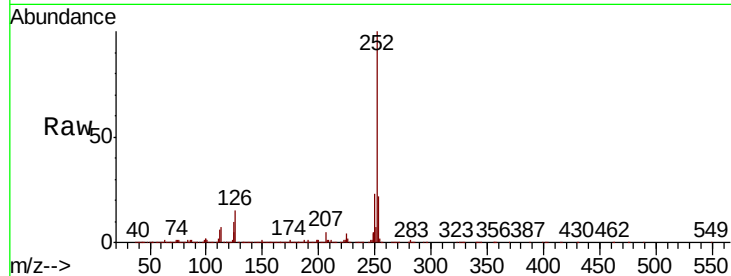
Tgt Ion:252 Resp: 5053387

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

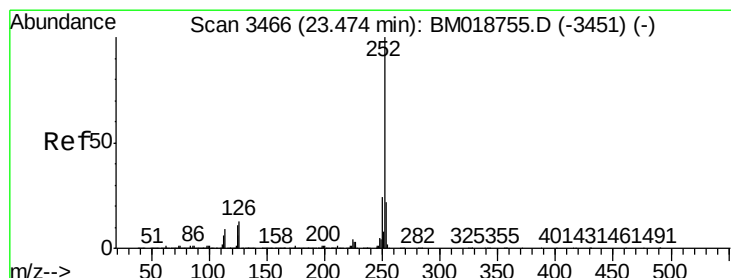
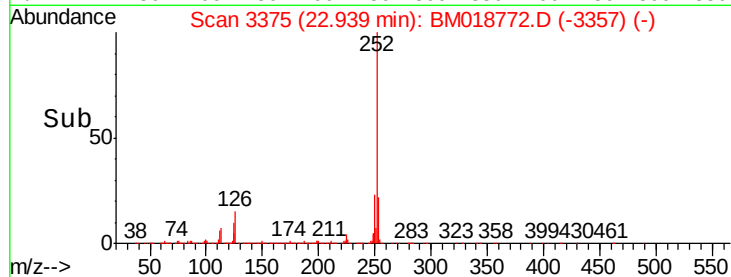
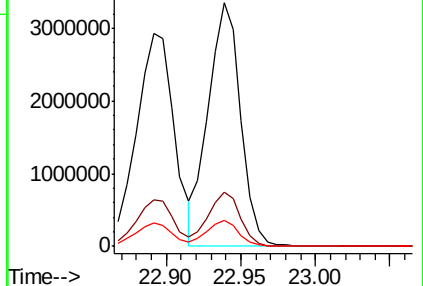
125 10.4 8.2 12.4



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

Benzo(a)pyrene

Concen: 47.118 ng

RT: 23.47 min Scan# 3466

Delta R.T. -0.00 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

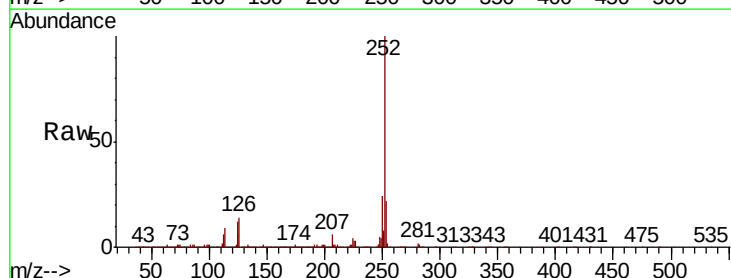
Tgt Ion:252 Resp: 4855014

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

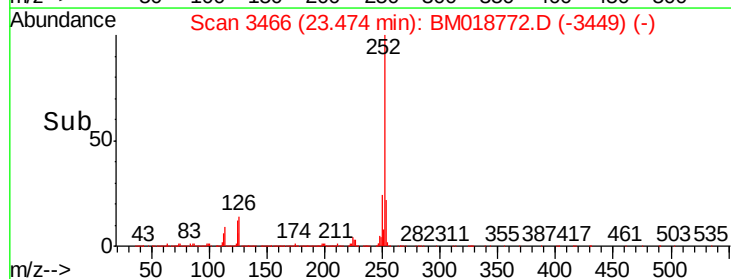
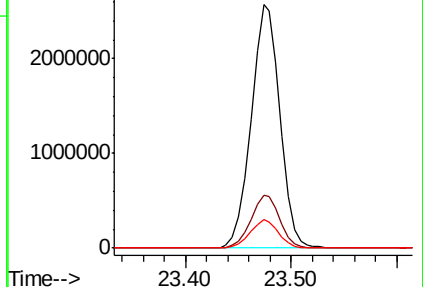
125 11.6 8.6 13.0

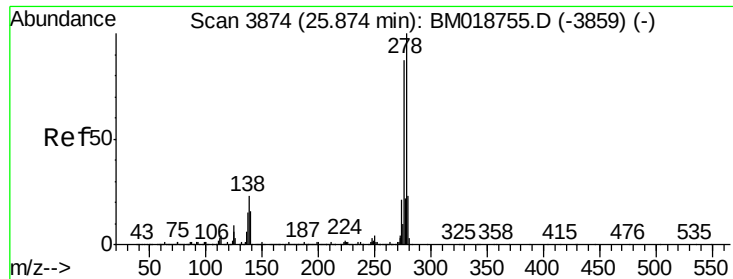


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 43.504 ng

RT: 25.88 min Scan# 3875

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

Instrument :

BNA_M

ClientSampleId :

PB117038BS

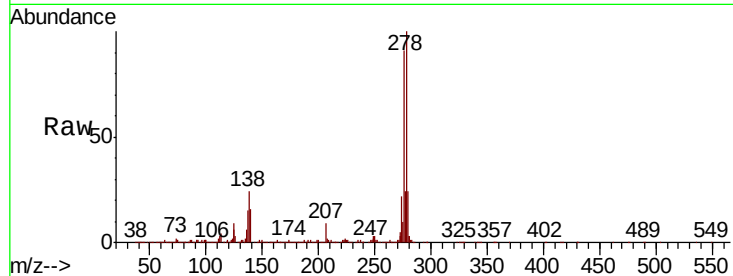
Tgt Ion:278 Resp: 4441110

Ion Ratio Lower Upper

278 100

139 16.1 12.6 18.8

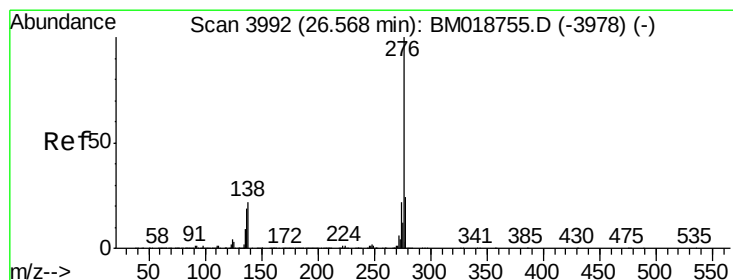
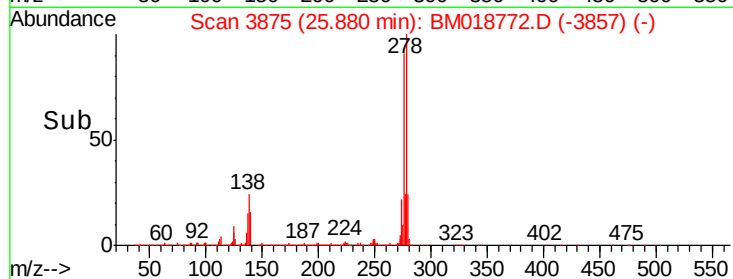
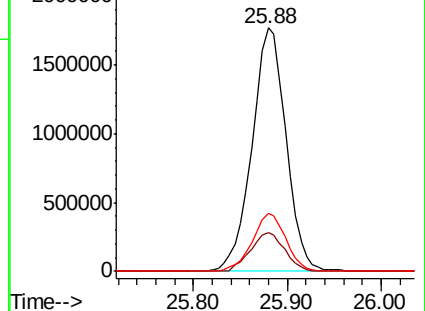
279 24.1 18.6 28.0



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



#92

Benzo(g,h,i)perylene

Concen: 42.749 ng

RT: 26.57 min Scan# 3993

Delta R.T. 0.01 min

Lab File: BM018772.D

Acq: 12 Feb 2019 14:46

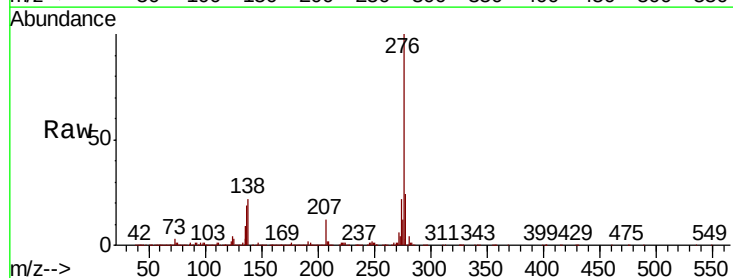
Tgt Ion:276 Resp: 4062776

Ion Ratio Lower Upper

276 100

277 23.6 19.2 28.8

138 21.7 17.3 25.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

