

Data Path : Z:\HPCHEM1\BNA M\DATA\BM051917\
 Data File : BM010081.D
 Acq On : 19 May 2017 22:26
 Operator : SJ/MA
 Sample : I3202-17
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 20 04:02:18 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051917.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 19 14:14:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	195158	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	641915	20.00	ng	0.00
38) Acenaphthene-d10	14.60	164	309992	20.00	ng	0.00
63) Phenanthrene-d10	17.34	188	881992	20.00	ng	0.00
75) Chrysene-d12	21.50	240	972895	20.00	ng	0.00
86) Perylene-d12	23.87	264	92796	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	1370023	126.77	ng	0.00
7) Phenol-d6	7.16	99	1453007	104.49	ng	0.00
23) Nitrobenzene-d5	9.16	82	1106996	93.04	ng	-0.01
41) 2,4,6-Tribromophenol	16.09	330	803021	170.56	ng	0.00
44) 2-Fluorobiphenyl	13.23	172	2788165	115.63	ng	0.00
78) Terphenyl-d14	19.95	244	4850359	113.36	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.45	88	224	0.05	ng	# 100
3) Pyridine	3.87	79	192	0.01	ng	# 1
4) n-Nitrosodimethylamine	3.78	42	188	0.04	ng	# 12
8) 2-Chlorophenol	7.54	128	125	0.01	ng	# 1
9) Benzaldehyde	7.16	77	5753	0.66	ng	# 33
10) Phenol	7.19	94	4042	0.28	ng	# 48
14) 1,2-Dichlorobenzene	8.33	146	254	0.02	ng	# 1
15) Benzyl Alcohol	8.29	79	22069	2.10	ng	# 41
16) 2,2'-oxybis(1-Chloropropan	8.42	45	613	0.06	ng	# 66
17) 2-Methylphenol	8.50	107	108	0.01	ng	# 1
18) Hexachloroethane	9.05	117	138	0.03	ng	# 32
22) Acetophenone	8.81	105	1084	0.07	ng	# 62
24) Nitrobenzene	9.20	77	774	0.06	ng	# 42
25) Isophorone	9.70	82	1072	0.05	ng	# 62
31) Naphthalene	10.83	128	110663	3.22	ng	# 96
32) Benzoic acid	10.09	122	127	0.02	ng	# 27
36) 4-Chloro-3-methylphenol	12.02	107	125	0.01	ng	# 14
37) 2-Methylnaphthalene	12.43	142	16798	0.68	ng	# 97
40) Hexachlorocyclopentadiene	12.70	237	119	0.02	ng	# 28
45) 1,1'-Biphenyl	13.44	154	5611	0.22	ng	# 93
46) 2-Chloronaphthalene	13.41	162	119	0.01	ng	# 41
48) Acenaphthylene	14.33	152	4492	0.15	ng	# 88
49) Dimethylphthalate	14.08	163	357	0.01	ng	# 77
50) 2,6-Dinitrotoluene	14.26	165	106	0.02	ng	# 24
51) Acenaphthene	14.66	154	2461	0.13	ng	# 77
54) Dibenzofuran	15.00	168	10033	0.34	ng	# 96
55) 4-Nitrophenol	15.00	139	4163	1.06	ng	# 18
56) 2,4-Dinitrotoluene	14.93	165	260	0.04	ng	# 11
57) Fluorene	15.64	166	8155	0.31	ng	# 88
59) Diethylphthalate	15.42	149	2515	0.10	ng	# 69
62) Azobenzene	15.91	77	1480	0.08	ng	# 41
65) n-Nitrosodiphenylamine	15.86	169	6968	0.26	ng	# 80
67) Hexachlorobenzene	16.64	284	252	0.02	ng	# 31
69) Pentachlorophenol	16.97	266	126	0.02	ng	# 24

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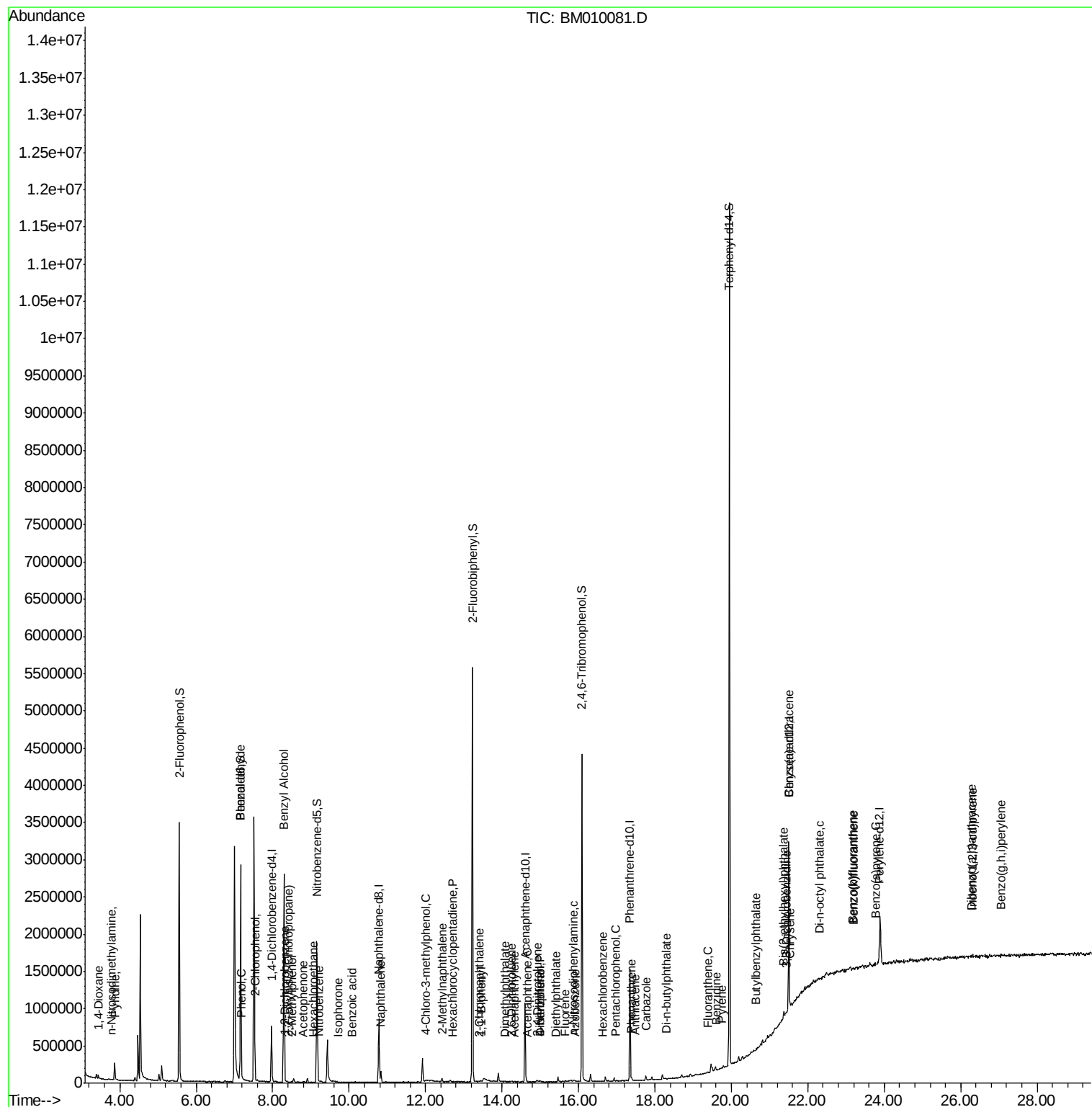
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) Phenanthrene	17.39	178	19272	0.39	ng	# 95
71) Anthracene	17.47	178	2562	0.05	ng	# 61
72) Carbazole	17.77	167	21403	0.49	ng	97
73) Di-n-butylphthalate	18.29	149	3856	0.08	ng	# 92
74) Fluoranthene	19.40	202	2723	0.04	ng	92
76) Benzdine	19.61	184	262	0.01	ng	# 68
77) Pyrene	19.76	202	3117	0.06	ng	# 84
79) Butylbenzylphthalate	20.63	149	1773	0.09	ng	# 55
80) Benzo(a)anthracene	21.50	228	4312	0.08	ng	# 89
81) 3,3'-Dichlorobenzidine	21.43	252	1146	0.05	ng	# 57
82) Chrysene	21.54	228	1358	0.03	ng	# 45
83) Bis(2-ethylhexyl)phthalate	21.37	149	2942	0.10	ng	# 71
84) Di-n-octyl phthalate	22.30	149	2172	0.04	ng	# 1
85) Indeno(1,2,3-cd)pyrene	26.30	276	23137	0.31	ng	# 100
87) Benzo(b)fluoranthene	23.16	252	3440	0.63	ng	# 1
88) Benzo(k)fluoranthene	23.20	252	3416	0.64	ng	# 1
89) Benzo(a)pyrene	23.77	252	18905	3.65	ng	# 33
90) Dibenzo(a,h)anthracene	26.29	278	2751	0.48	ng	# 1
91) Benzo(g,h,i)perylene	27.06	276	25156	4.44	ng	# 90

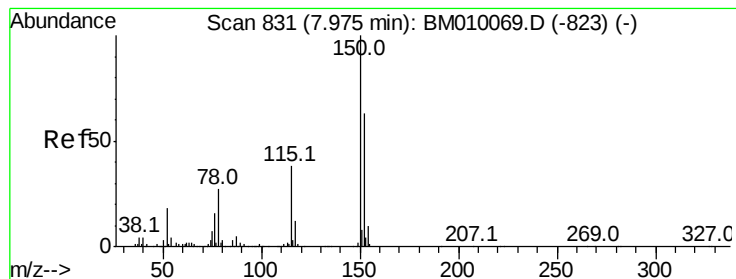
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.97 min Scan# 830

Delta R.T. -0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Instrument :

BNA_M

ClientSampled :

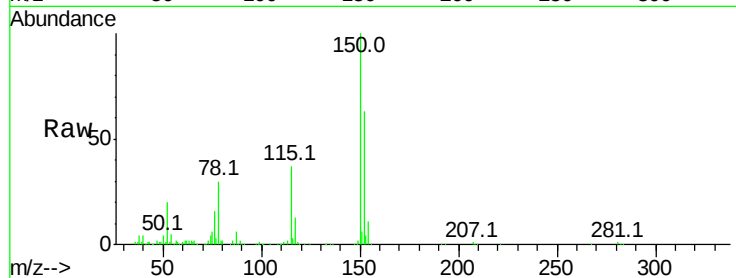
Tot Ion:152 Resp: 195158

Ion Ratio Lower Upper

152 100

150 159.9 119.5 179.3

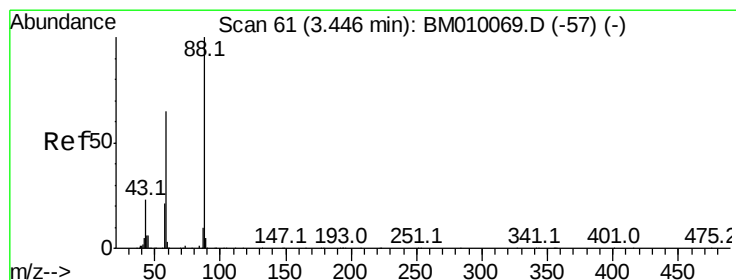
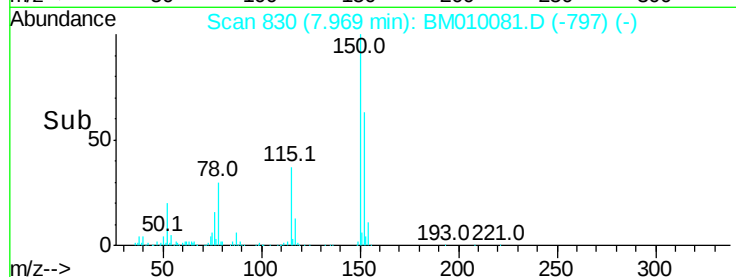
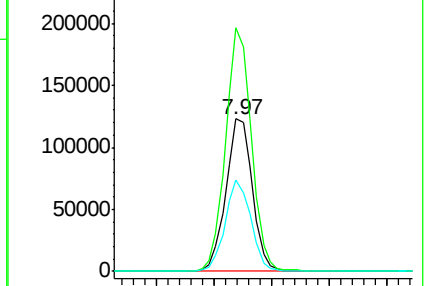
115 59.8 43.0 64.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.05 ng

RT: 3.45 min Scan# 61

Delta R.T. -0.00 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

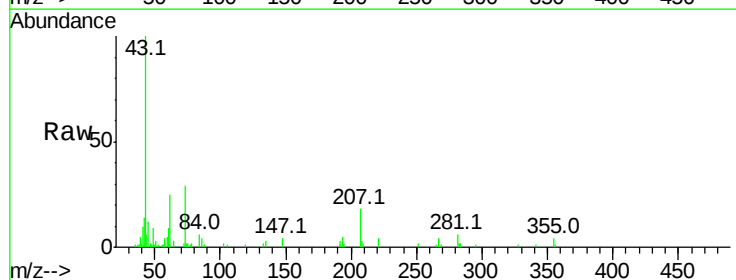
Tgt Ion: 88 Resp: 224

Ion Ratio Lower Upper

88 100

58 154.9 0.0 0.0#

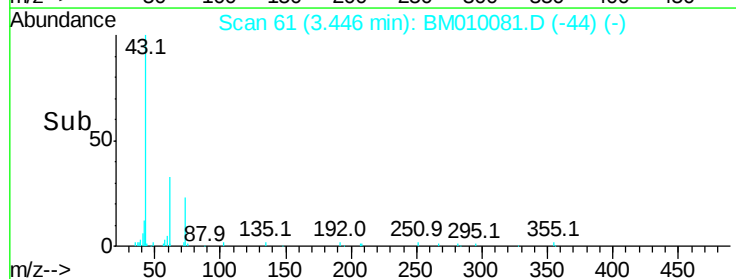
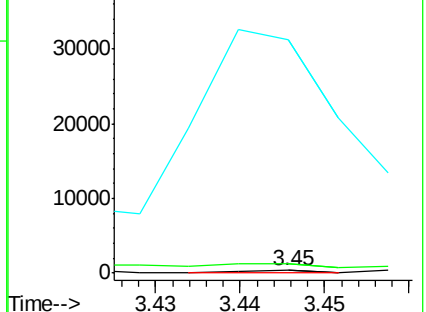
43 14612.1 0.0 0.0#

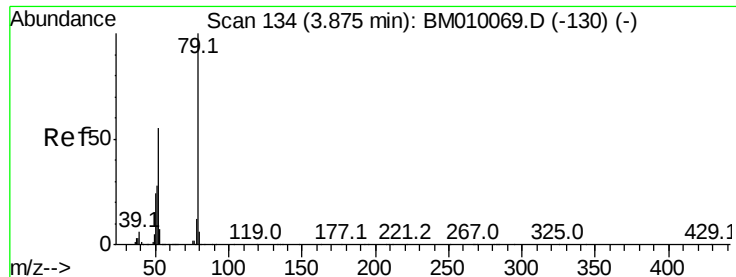


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 0.01 ng

RT: 3.87 min Scan# 133

Delta R.T. -0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Instrument :

BNA_M

ClientSampleId :

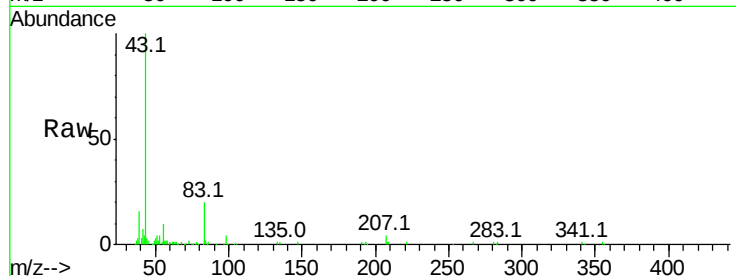
Tot Ion: 79 Resp: 192

Ion Ratio Lower Upper

79 100

52 350.0 51.1 76.7#

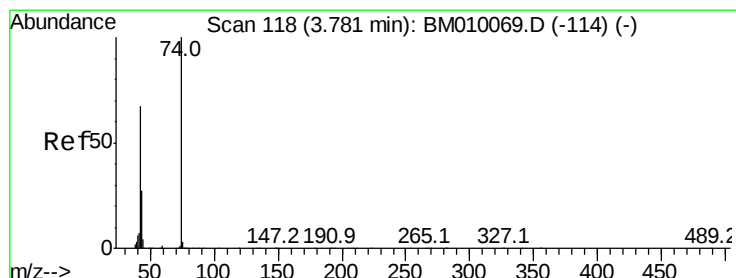
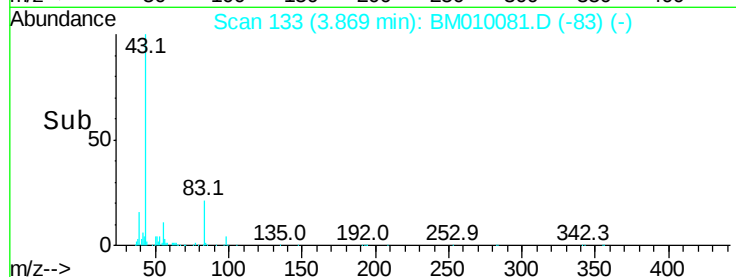
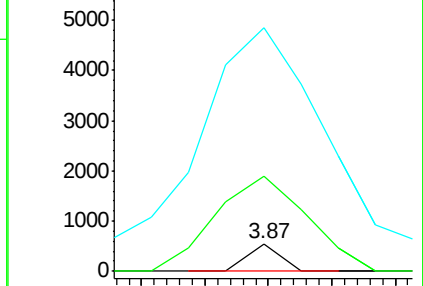
51 891.4 26.1 39.1#



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

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

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



#4

n-Nitrosodimethylamine

Concen: 0.04 ng

RT: 3.78 min Scan# 117

Delta R.T. -0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

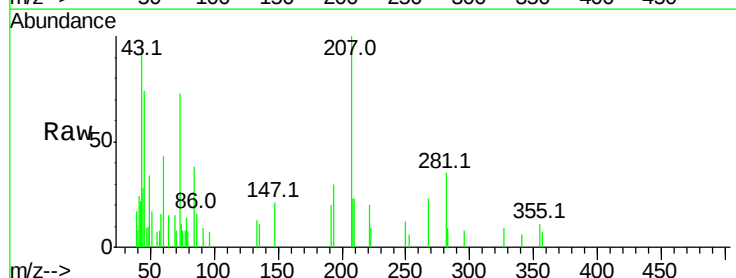
Tgt Ion: 42 Resp: 188

Ion Ratio Lower Upper

42 100

74 52.3 119.3 178.9#

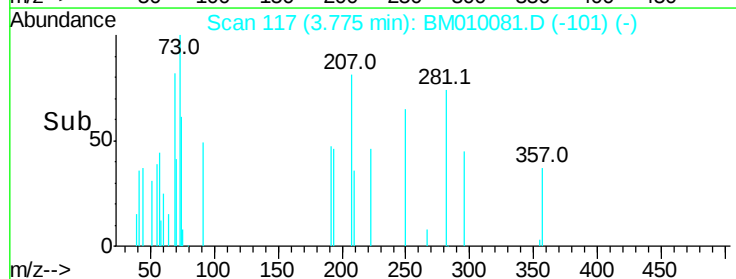
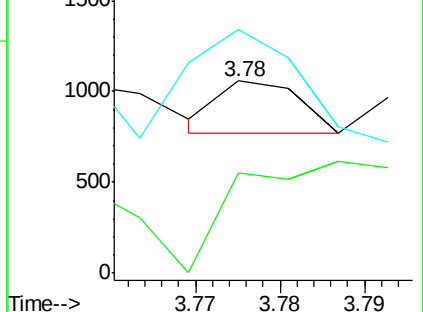
44 126.9 5.4 8.2#

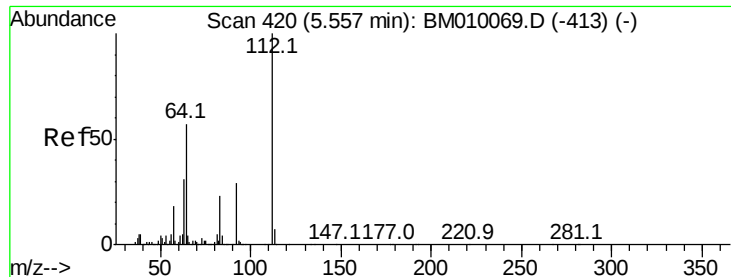


Abundance Ion 42.00 (41.70 to 42.70): BM010069.D (-114) (-)

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

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





#5

2-Fluorophenol

Concen: 126.77 ng

RT: 5.56 min Scan# 420

Delta R.T. 0.00 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Instrument :

BNA_M

ClientSampleId :

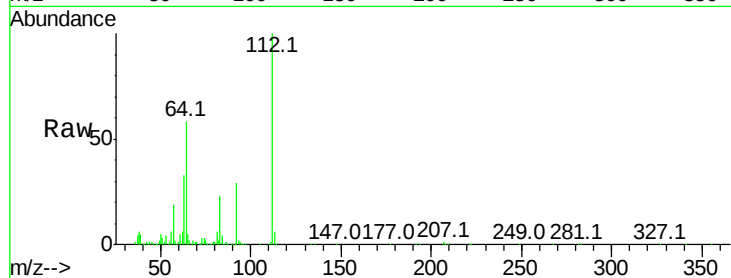
Tot Ion:112 Resp: 1370023

Ion Ratio Lower Upper

112 100

64 58.2 38.6 57.8#

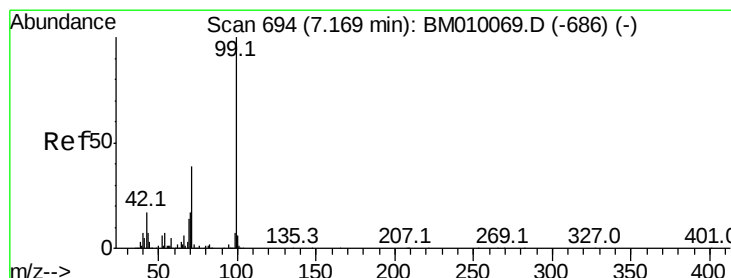
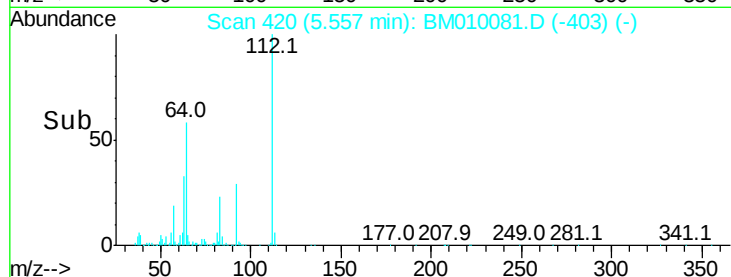
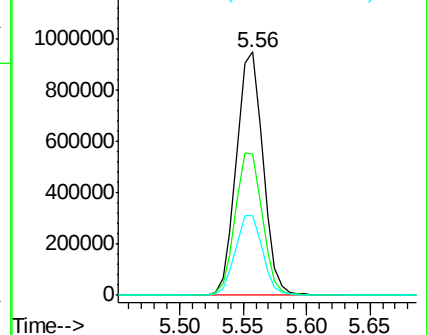
63 33.0 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#7

Phenol-d6

Concen: 104.49 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

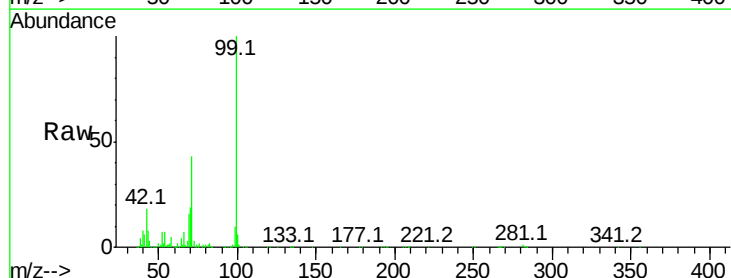
Tgt Ion: 99 Resp: 1453007

Ion Ratio Lower Upper

99 100

42 18.2 11.0 16.4#

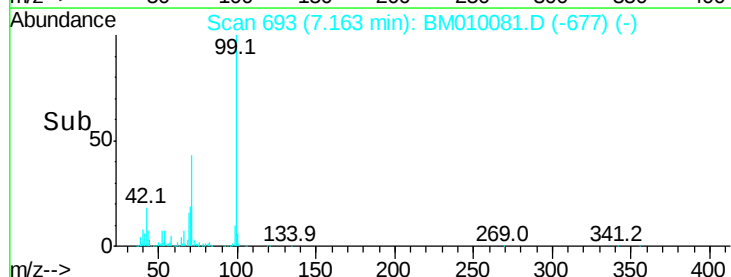
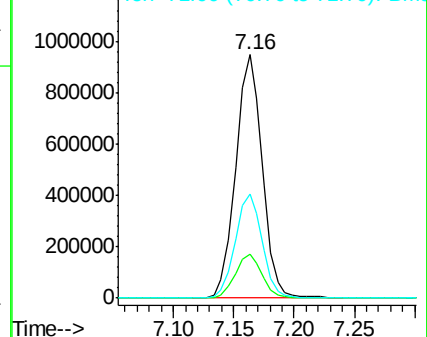
71 42.6 23.4 35.2#

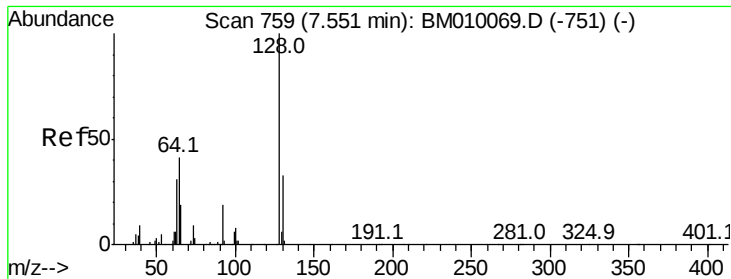


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): BM

Ion 71.00 (70.70 to 71.70): BM





#8

2-Chlorophenol

Concen: 0.01 ng

RT: 7.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Instrument :

BNA_M

ClientSampleId :

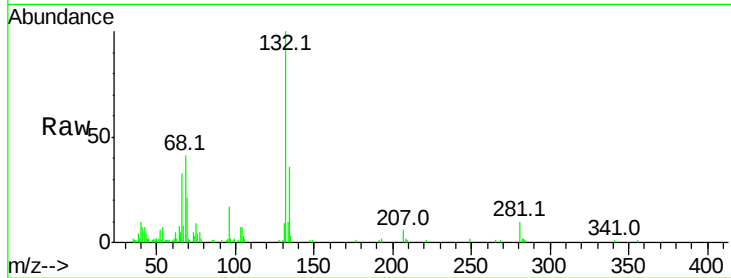
Tot Ion:128 Resp: 125

Ion Ratio Lower Upper

128 100

130 129.1 12.0 52.0#

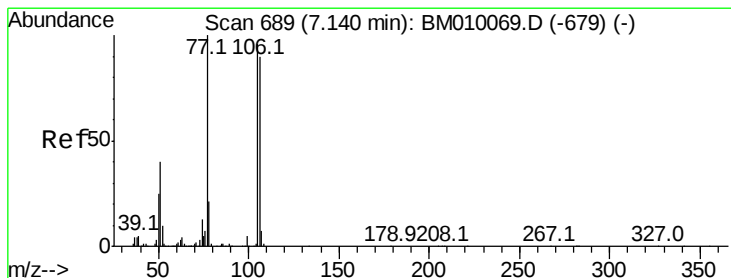
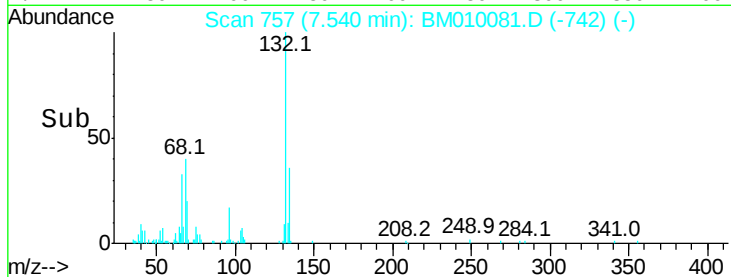
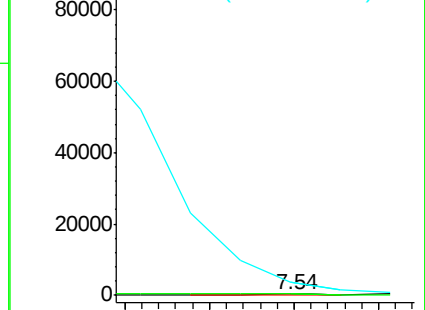
64 1068.6 24.9 64.9#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): E



#9

Benzaldehyde

Concen: 0.66 ng

RT: 7.16 min Scan# 693

Delta R.T. 0.02 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

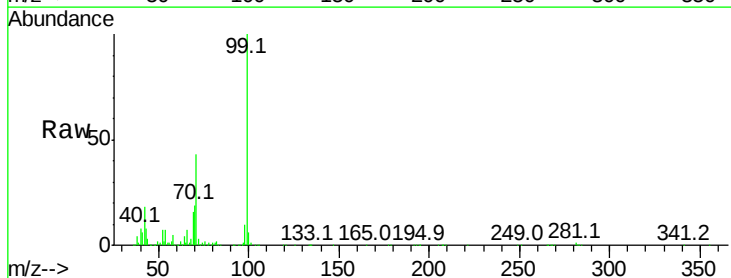
Tgt Ion: 77 Resp: 5753

Ion Ratio Lower Upper

77 100

105 48.8 78.8 118.8#

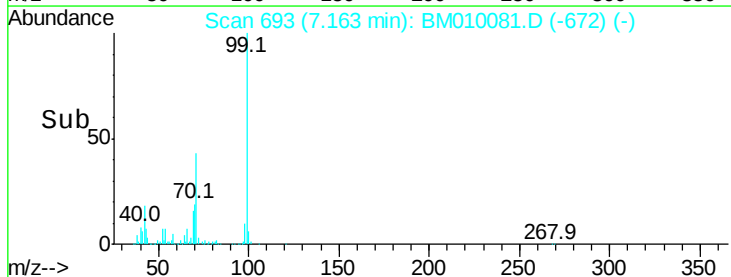
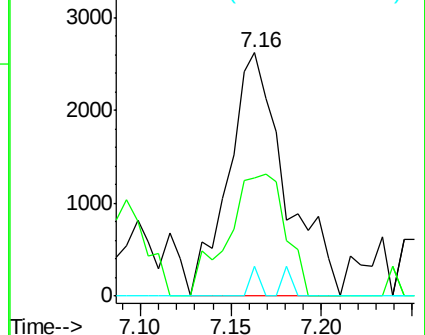
106 12.0 73.7 113.7#

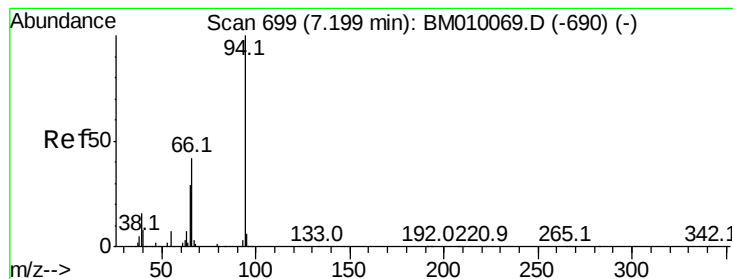


Abundance Ion 77.00 (76.70 to 77.70): B

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.28 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

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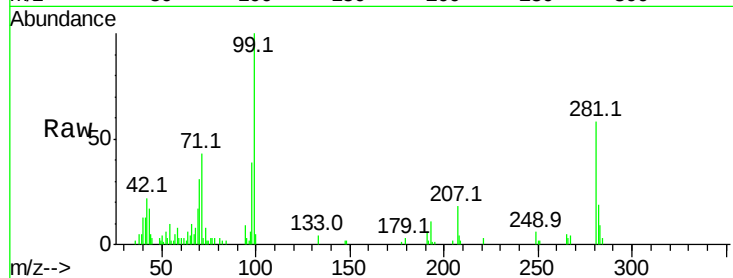
Tot Ion: 94 Resp: 4042

Ion Ratio Lower Upper

94 100

65 50.0 18.8 58.8

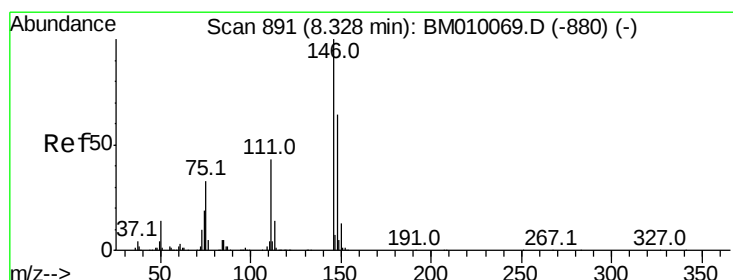
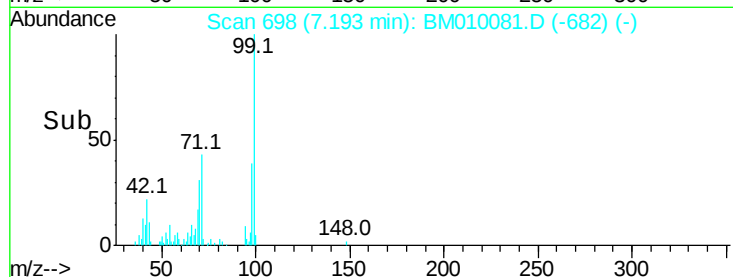
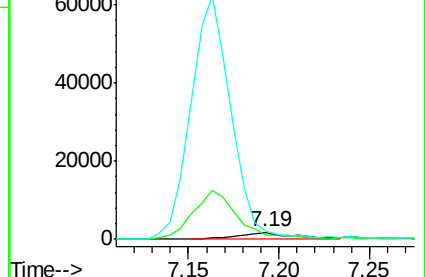
66 116.2 39.9 79.9#



Abundance Ion 94.00 (93.70 to 94.70): BM010069.D (-690) (-)

Ion 65.00 (64.70 to 65.70): BM010069.D (-690) (-)

Ion 66.00 (65.70 to 66.70): BM010069.D (-690) (-)



#14

1,2-Dichlorobenzene

Concen: 0.02 ng

RT: 8.33 min Scan# 892

Delta R.T. 0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

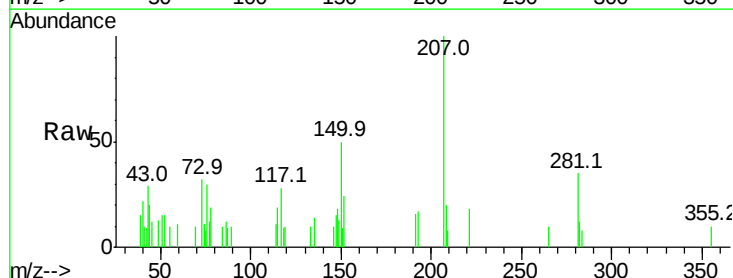
Tgt Ion: 146 Resp: 254

Ion Ratio Lower Upper

146 100

148 179.6 52.3 78.5#

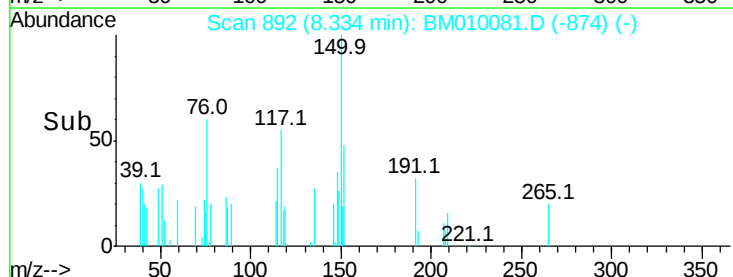
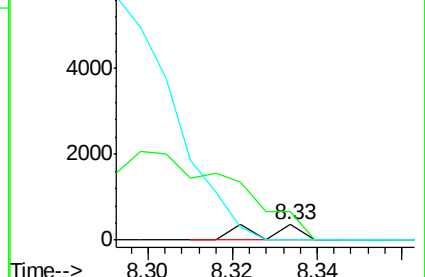
111 0.0 30.6 45.8#

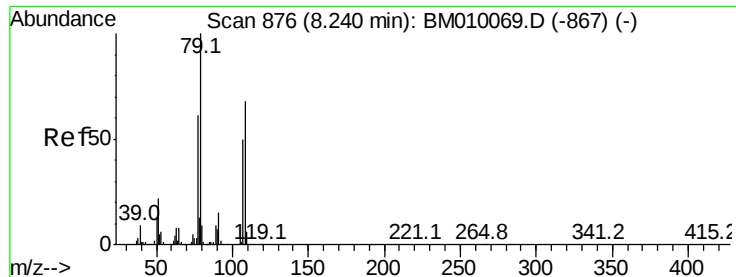


Abundance Ion 146.00 (145.70 to 146.70): BM010069.D (-880) (-)

Ion 148.00 (147.70 to 148.70): BM010069.D (-880) (-)

Ion 111.00 (110.70 to 111.70): BM010069.D (-880) (-)





#15

Benzyl Alcohol

Concen: 2.10 ng

RT: 8.29 min Scan# 885

Delta R.T. 0.05 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Instrument :

BNA_M

ClientSampled :

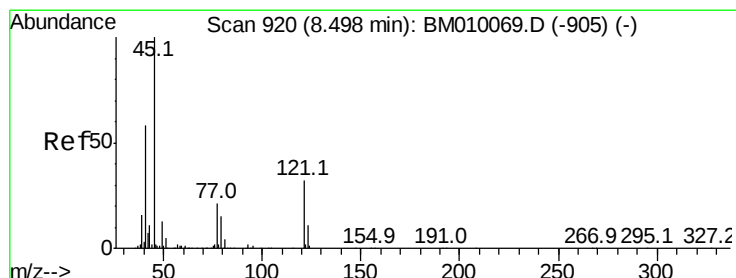
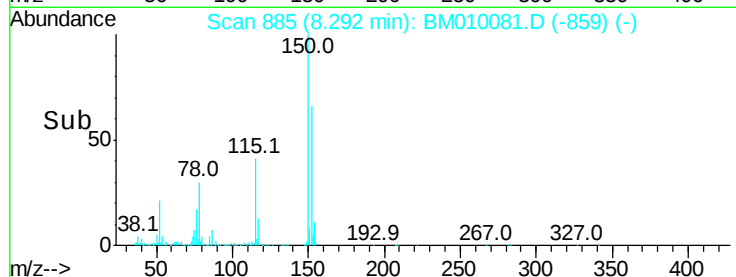
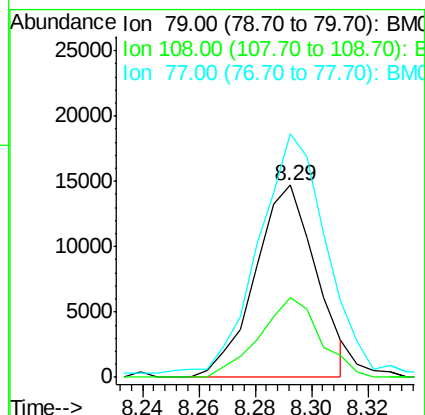
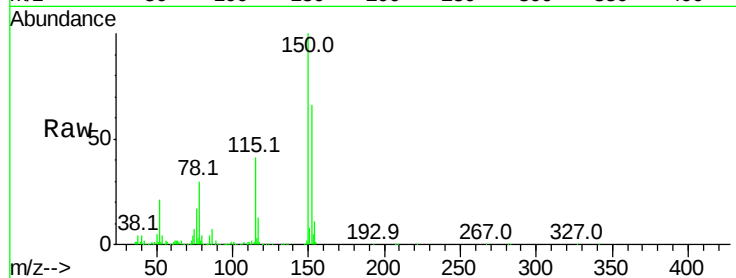
Tot Ion: 79 Resp: 22069

Ion Ratio Lower Upper

79 100

108 41.6 65.0 97.4#

77 126.7 53.0 79.6#



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.06 ng

RT: 8.42 min Scan# 906

Delta R.T. -0.08 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

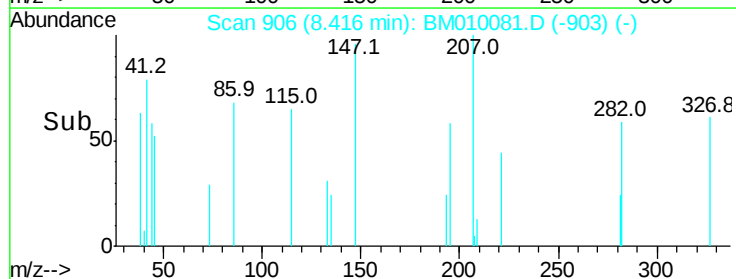
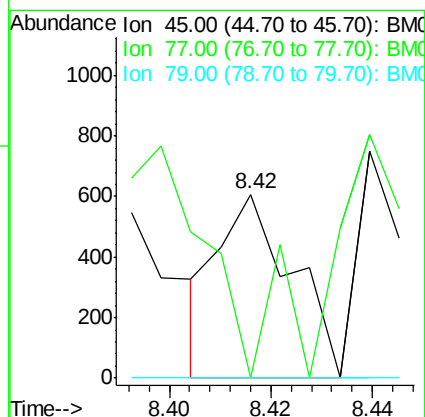
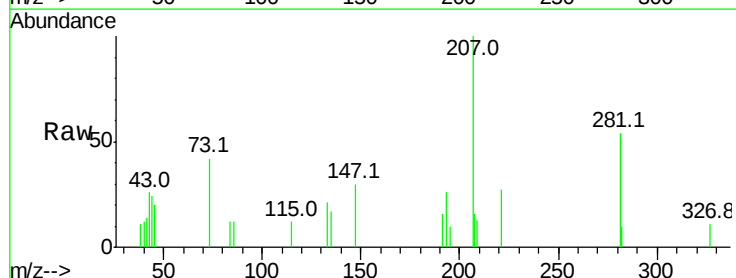
Tgt Ion: 45 Resp: 613

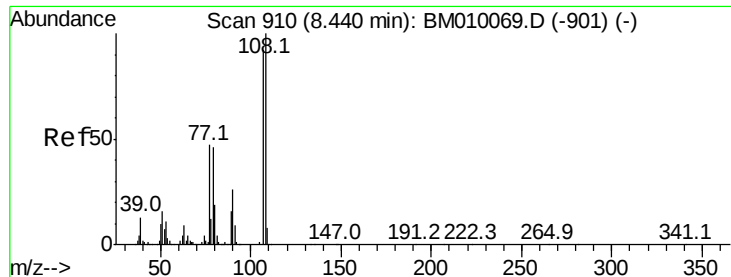
Ion Ratio Lower Upper

45 100

77 0.0 0.0 35.2

79 0.0 0.0 32.0

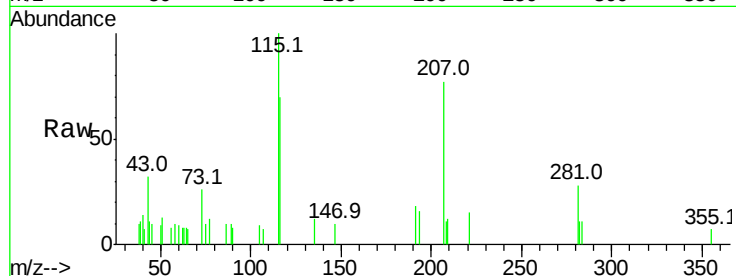




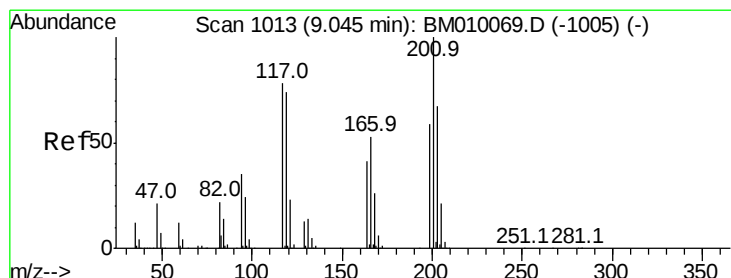
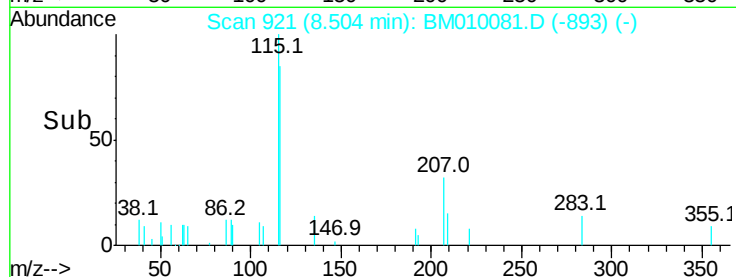
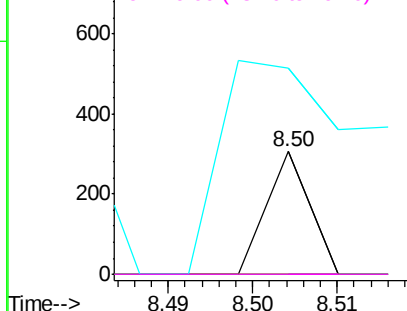
#17
2-Methylphenol
Concen: 0.01 ng
RT: 8.50 min Scan# 921
Delta R.T. 0.06 min
Lab File: BM010081.D
Acq: 19 May 2017 22:26

Instrument :
BNA_M
ClientSampleId :

Tot Ion:	107	Resp:	108
Ion	Ratio	Lower	Upper
107	100		
108	0.0	89.8	134.8#
77	167.6	32.6	48.8#
79	0.0	32.8	49.2#

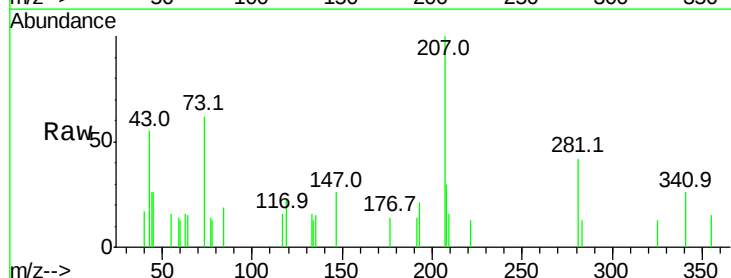


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM0
Ion 79.00 (78.70 to 79.70): BM0

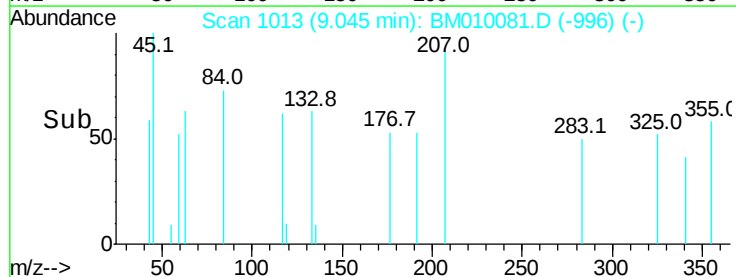
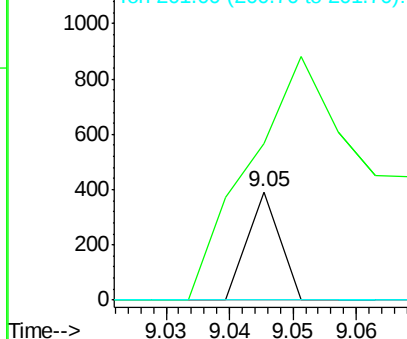


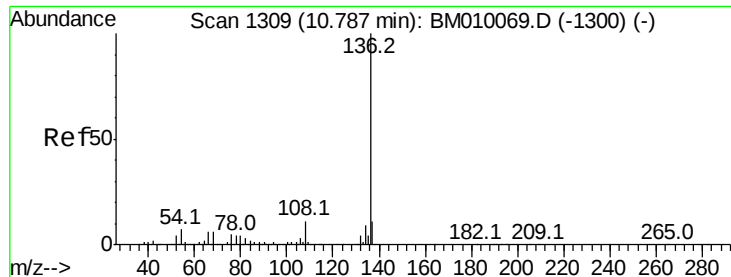
#18
Hexachloroethane
Concen: 0.03 ng
RT: 9.05 min Scan# 1013
Delta R.T. -0.00 min
Lab File: BM010081.D
Acq: 19 May 2017 22:26

Tgt Ion:	117	Resp:	138
Ion	Ratio	Lower	Upper
117	100		
119	144.1	79.2	118.8#
201	0.0	69.8	104.6#



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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Instrument :

BNA_M

ClientSampleId :

Tot Ion:136 Resp: 641915

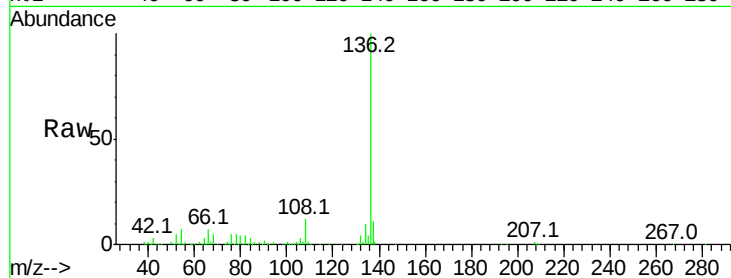
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 6.5 4.6 6.8

68 5.0 3.7 5.5



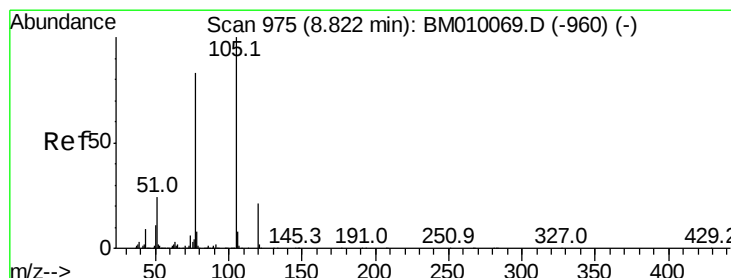
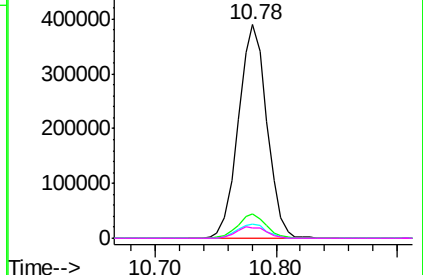
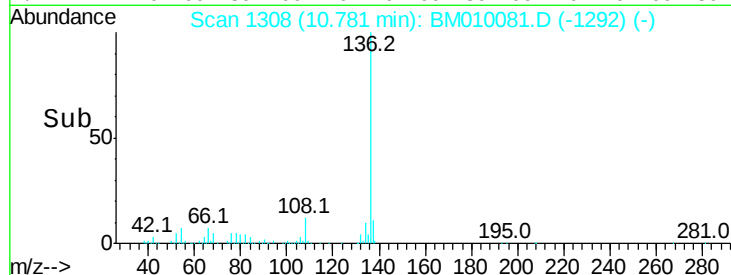
Abundance Ion 136.00 (135.70 to 136.70): E

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

Time-->



#22

Acetophenone

Concen: 0.07 ng

RT: 8.81 min Scan# 973

Delta R.T. -0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Tgt Ion:105 Resp: 1084

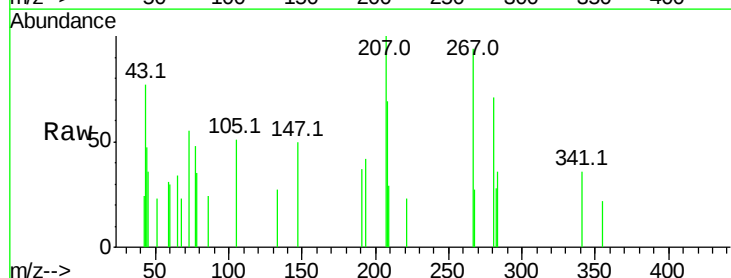
Ion Ratio Lower Upper

105 100

71 0.0 0.6 1.0#

51 44.6 21.6 32.4#

120 0.0 16.1 24.1#



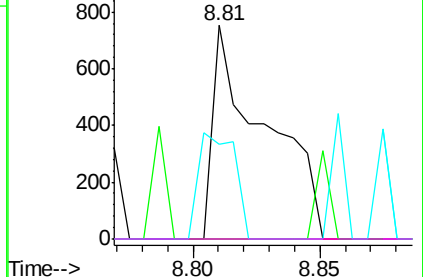
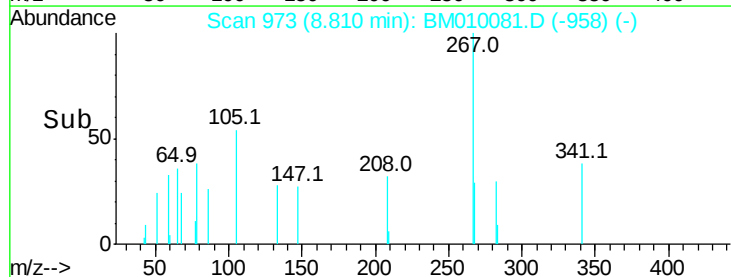
Abundance Ion 105.00 (104.70 to 105.70): E

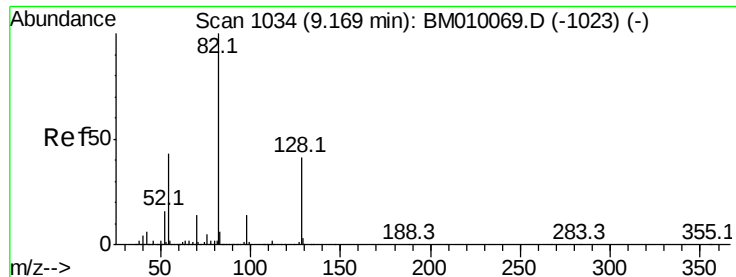
Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E

Time-->

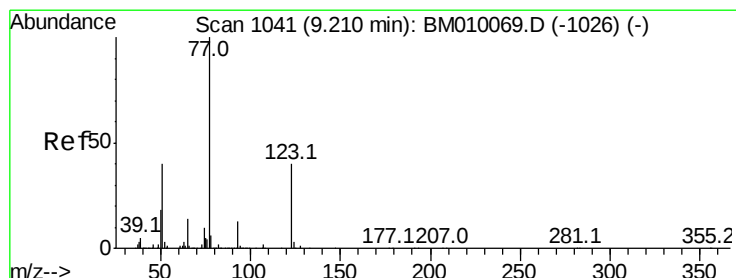
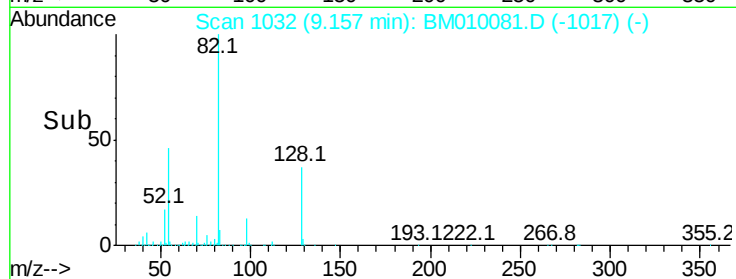
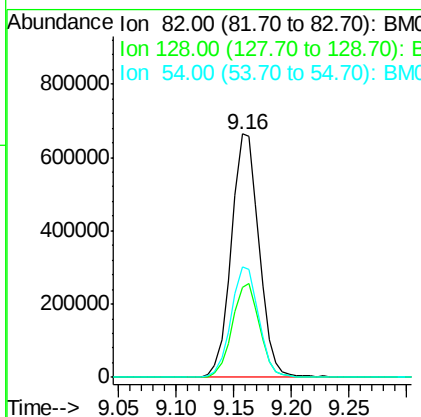
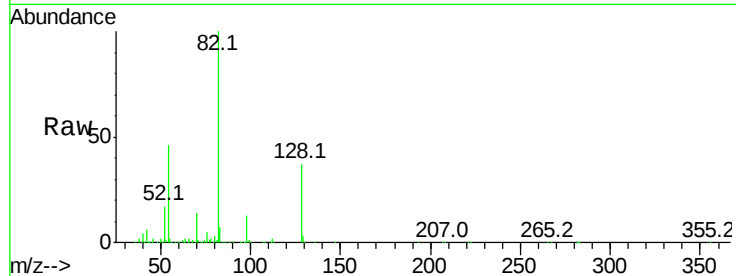




#23
 Nitrobenzene-d5
 Concen: 93.04 ng
 RT: 9.16 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: BM010081.D
 Acq: 19 May 2017 22:26

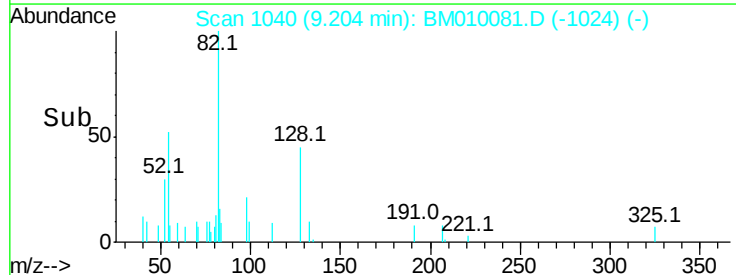
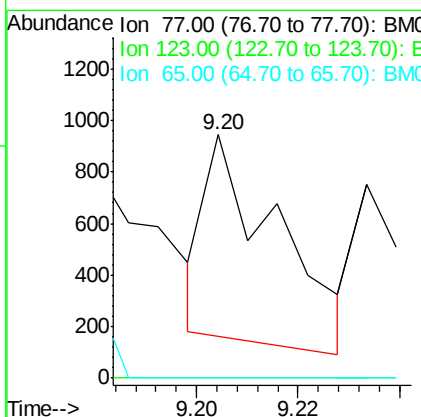
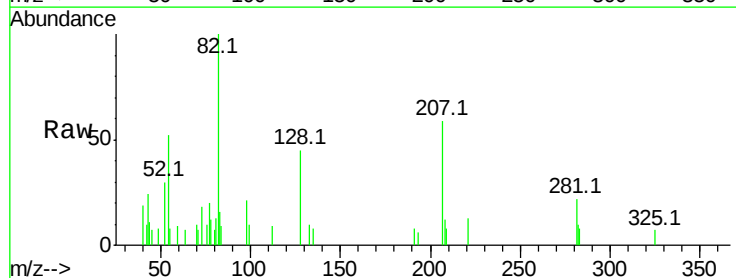
Instrument :
 BNA_M
 ClientSampleId :

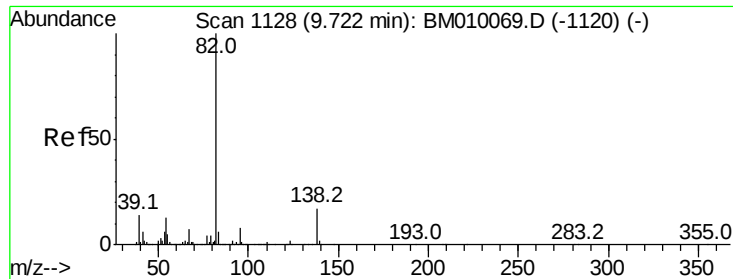
Tot Ion: 82 Resp: 1106996
 Ion Ratio Lower Upper
 82 100
 128 36.9 32.8 49.2
 54 45.6 40.6 60.8



#24
 Nitrobenzene
 Concen: 0.06 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BM010081.D
 Acq: 19 May 2017 22:26

Tgt Ion: 77 Resp: 774
 Ion Ratio Lower Upper
 77 100
 123 0.0 32.6 49.0#
 65 0.0 10.9 16.3#





#25

Isophorone

Concen: 0.05 ng

RT: 9.70 min Scan# 1124

Delta R.T. -0.02 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Instrument :

BNA_M

ClientSampleId :

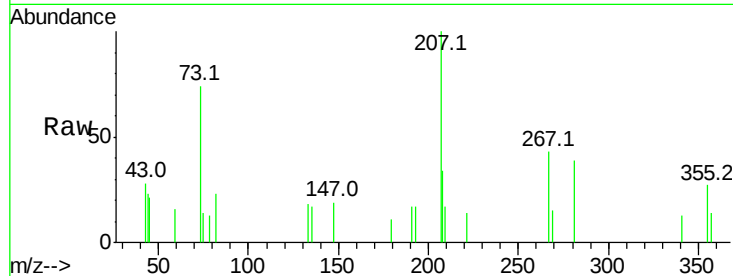
Tot Ion: 82 Resp: 1072

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 16.3 24.5#

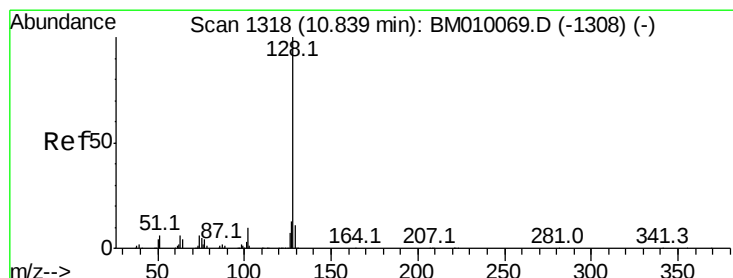
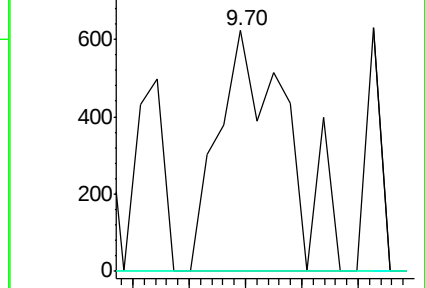
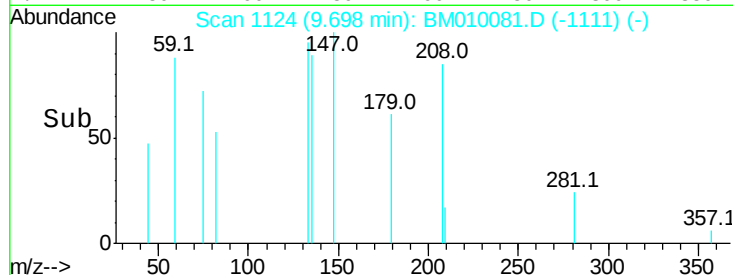


Abundance Ion 82.00 (81.70 to 82.70): BM010069.D (-1120) (-)

Ion 95.00 (94.70 to 95.70): BM010069.D (-1120) (-)

Ion 138.00 (137.70 to 138.70): BM010069.D (-1120) (-)

Time-->



#31

Naphthalene

Concen: 3.22 ng

RT: 10.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

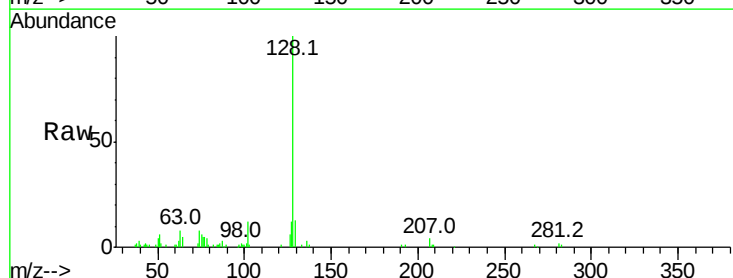
Tgt Ion: 128 Resp: 110663

Ion Ratio Lower Upper

128 100

129 13.0 8.9 13.3

127 11.9 10.4 15.6

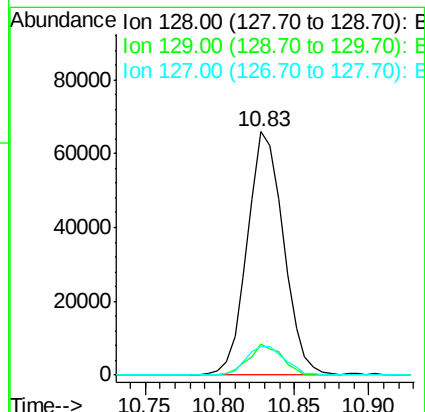
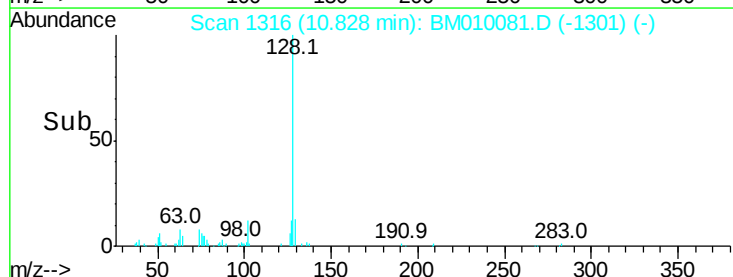


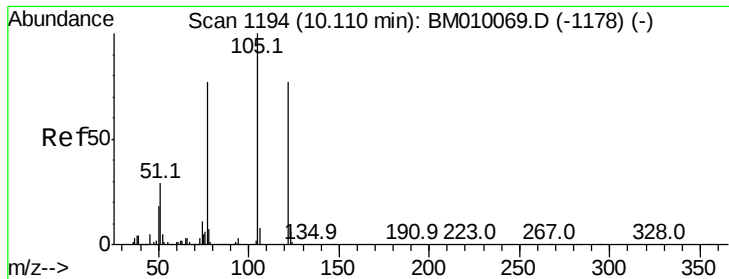
Abundance Ion 128.00 (127.70 to 128.70): BM010069.D (-1308) (-)

Ion 129.00 (128.70 to 129.70): BM010069.D (-1308) (-)

Ion 127.00 (126.70 to 127.70): BM010069.D (-1308) (-)

Time-->





#32

Benzoic acid

Concen: 0.02 ng

RT: 10.09 min Scan# 1191

Delta R.T. -0.02 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Instrument :

BNA_M

ClientSampleId :

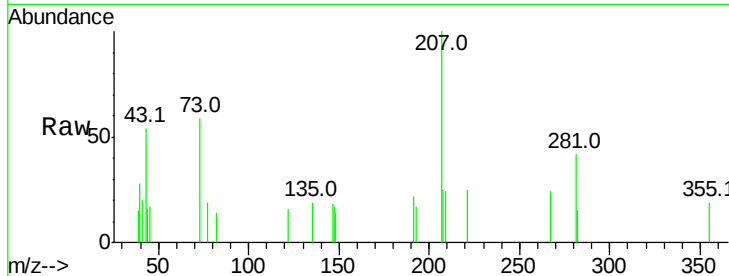
Tot Ion:122 Resp: 127

Ion Ratio Lower Upper

122 100

105 0.0 99.9 139.9#

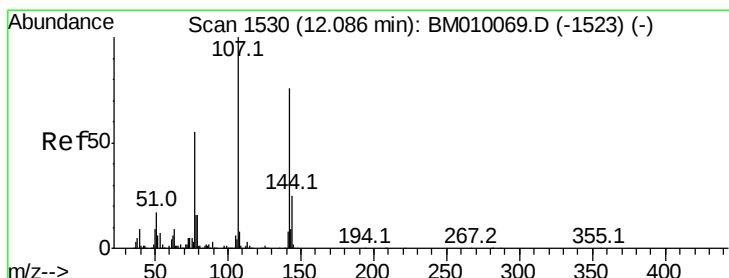
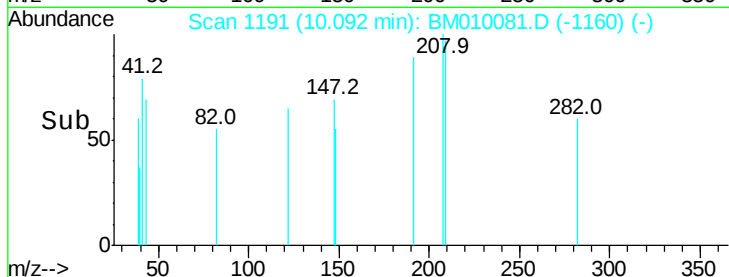
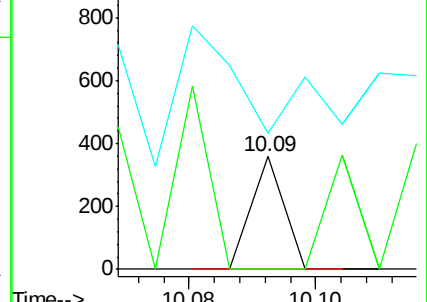
77 120.1 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM



#36

4-Chloro-3-methylphenol

Concen: 0.01 ng

RT: 12.02 min Scan# 1518

Delta R.T. -0.07 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

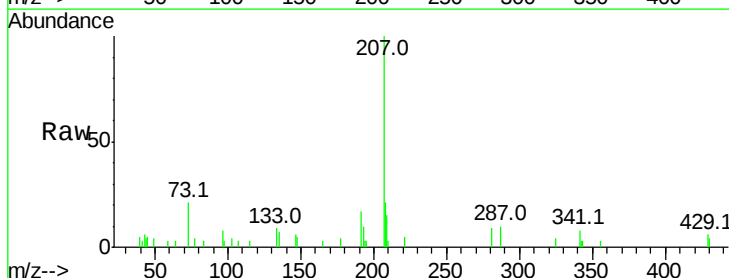
Tgt Ion:107 Resp: 125

Ion Ratio Lower Upper

107 100

144 0.0 23.3 34.9#

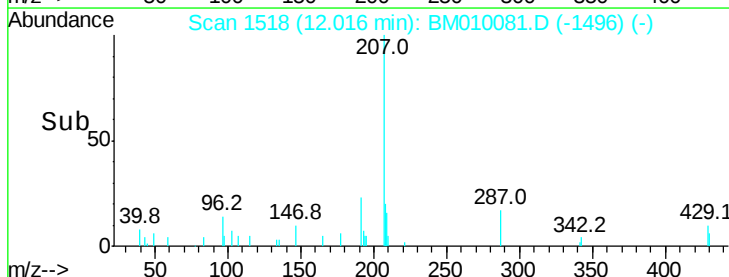
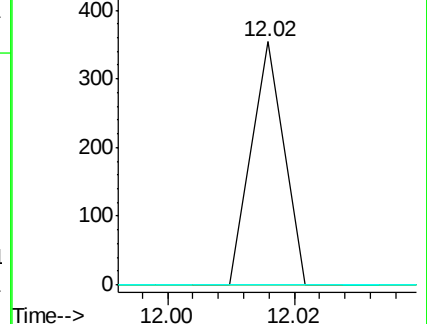
142 0.0 72.6 109.0#

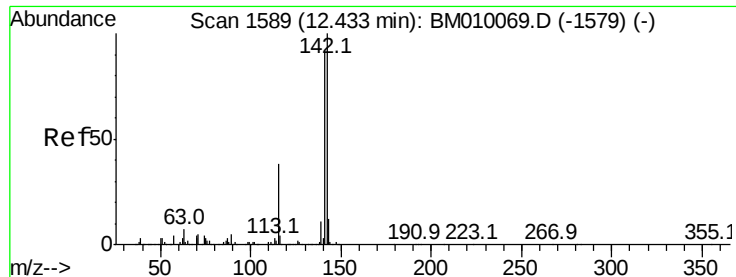


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

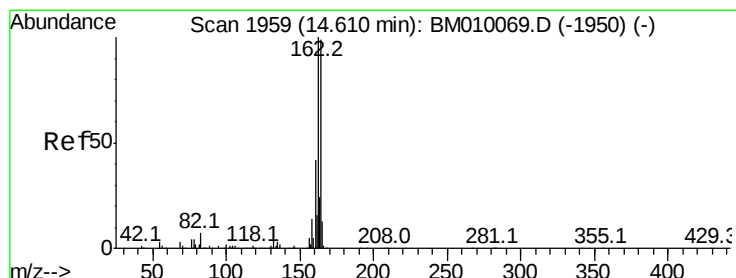
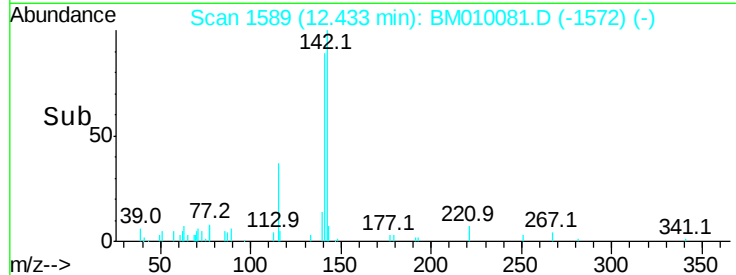
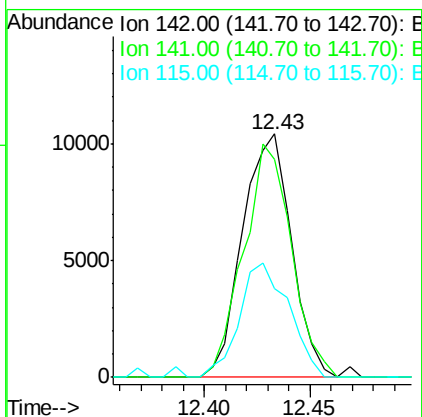
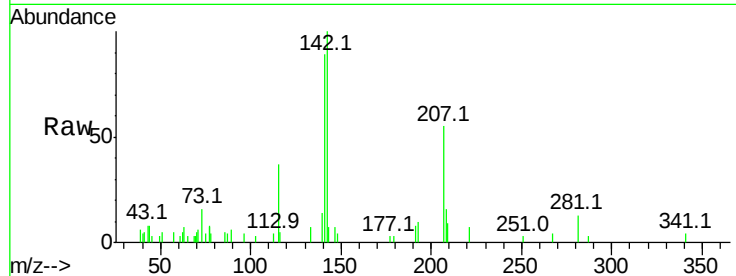




#37
 2-Methylnaphthalene
 Concen: 0.68 ng
 RT: 12.43 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: BM010081.D
 Acq: 19 May 2017 22:26

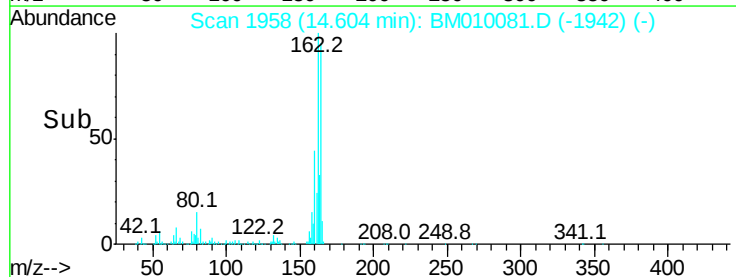
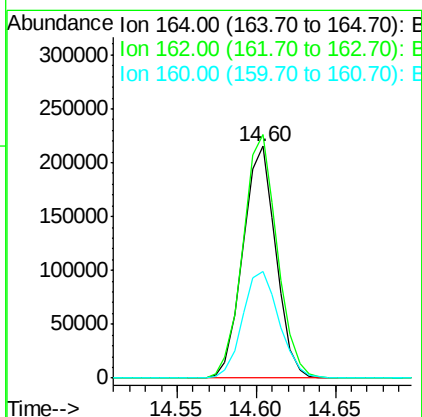
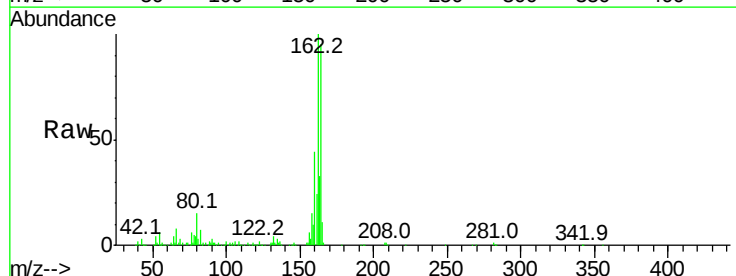
Instrument :
 BNA_M
 ClientSampled :

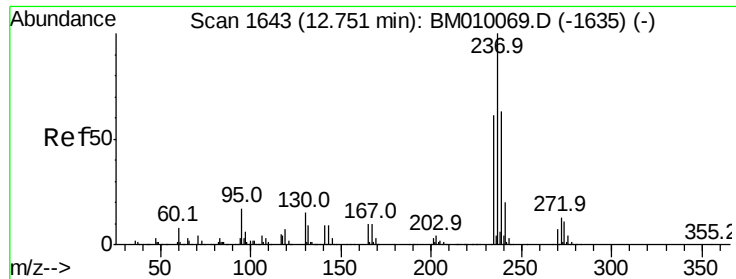
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.9	107.9
115	36.7	25.4	38.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.60 min Scan# 1958
 Delta R.T. -0.01 min
 Lab File: BM010081.D
 Acq: 19 May 2017 22:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	82.4	123.6
160	45.7	35.8	53.6

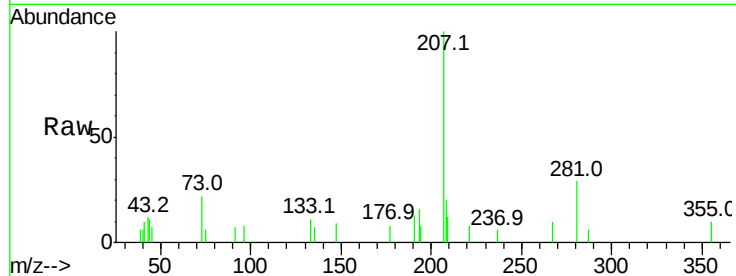




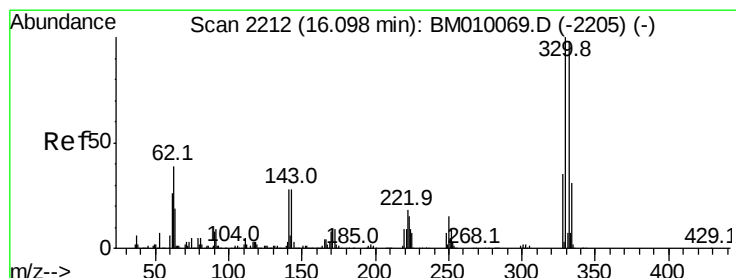
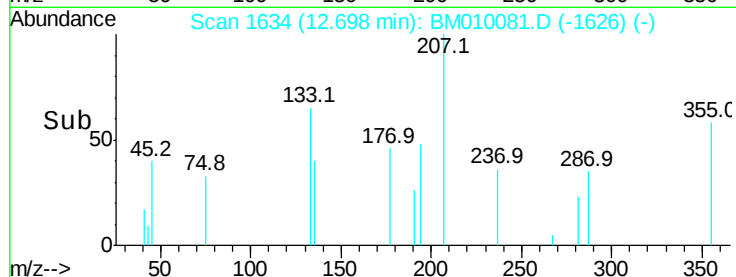
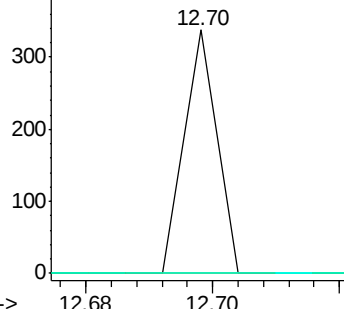
#40
Hexachlorocyclopentadiene
Concen: 0.02 ng
RT: 12.70 min Scan# 1634
Delta R.T. -0.05 min
Lab File: BM010081.D
Acq: 19 May 2017 22:26

Instrument :
BNA_M
ClientSampleId :

Tot Ion:237 Resp: 119
Ion Ratio Lower Upper
237 100
235 0.0 42.0 82.0#
272 0.0 0.0 33.4

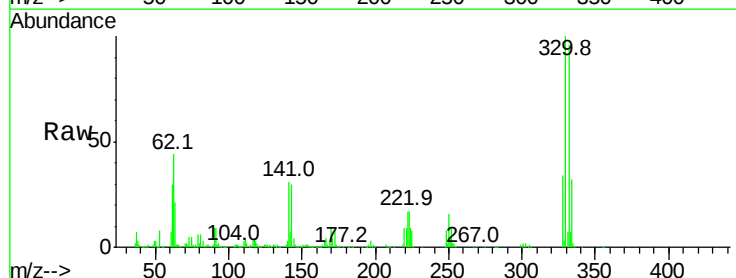


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

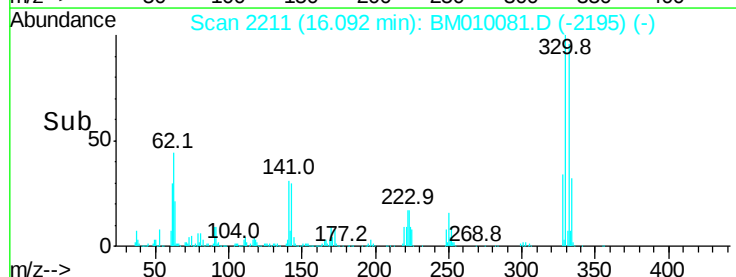
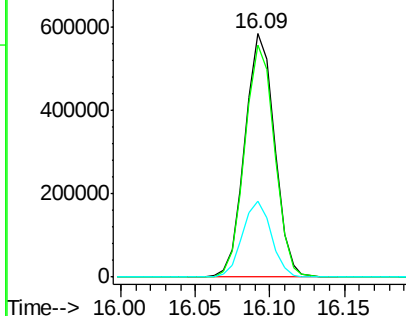


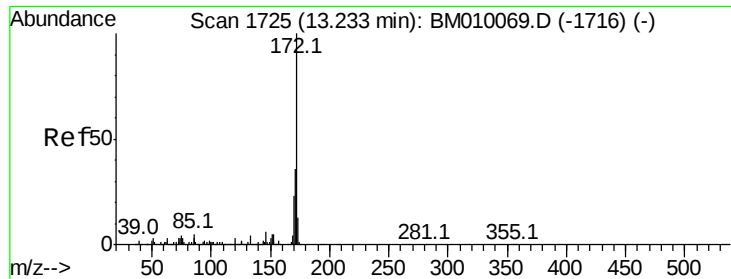
#41
2,4,6-Tribromophenol
Concen: 170.56 ng
RT: 16.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BM010081.D
Acq: 19 May 2017 22:26

Tgt Ion:330 Resp: 803021
Ion Ratio Lower Upper
330 100
332 96.0 0.0 0.0#
141 30.6 0.0 0.0#



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

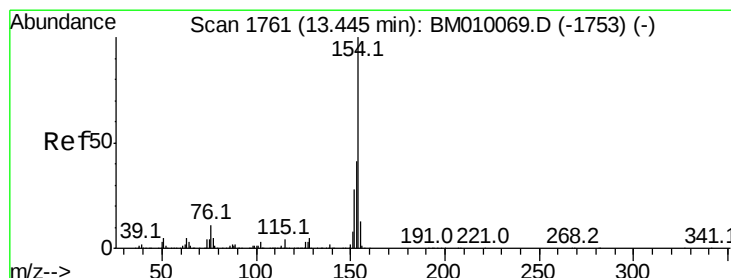
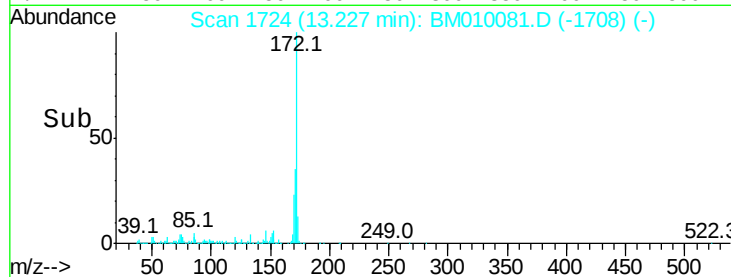
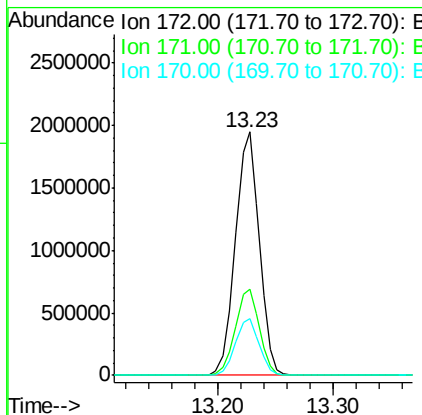
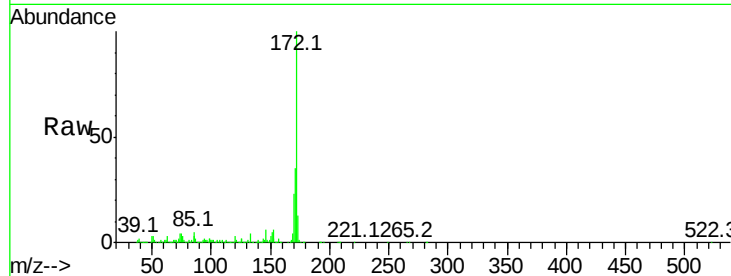




#44
2-Fluorobiphenyl
Concen: 115.63 ng
RT: 13.23 min Scan# 1724
Delta R.T. -0.01 min
Lab File: BM010081.D
Acq: 19 May 2017 22:26

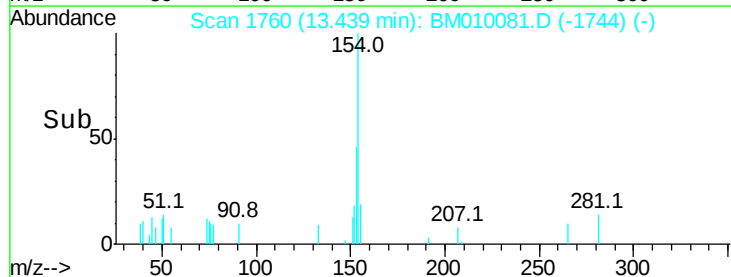
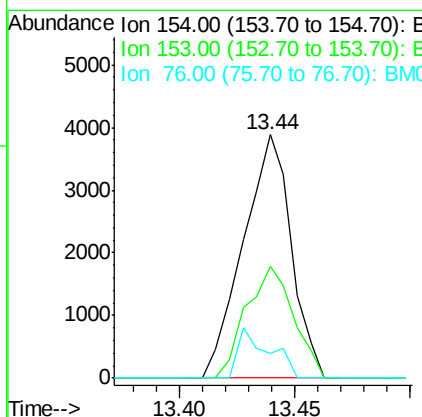
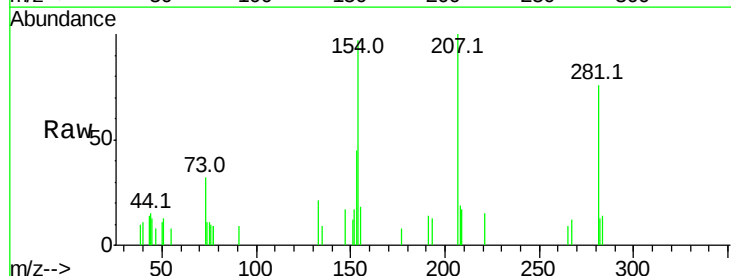
Instrument :
BNA_M
ClientSampleId :

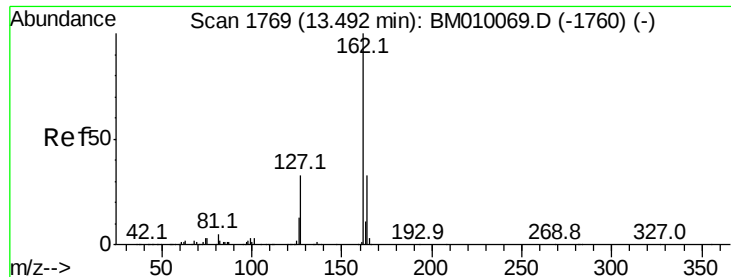
Tot Ion:172 Resp: 2788165
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 23.4 18.8 28.2



#45
1,1'-Biphenyl
Concen: 0.22 ng
RT: 13.44 min Scan# 1760
Delta R.T. -0.01 min
Lab File: BM010081.D
Acq: 19 May 2017 22:26

Tgt Ion:154 Resp: 5611
Ion Ratio Lower Upper
154 100
153 46.0 20.7 60.7
76 10.3 0.0 30.9

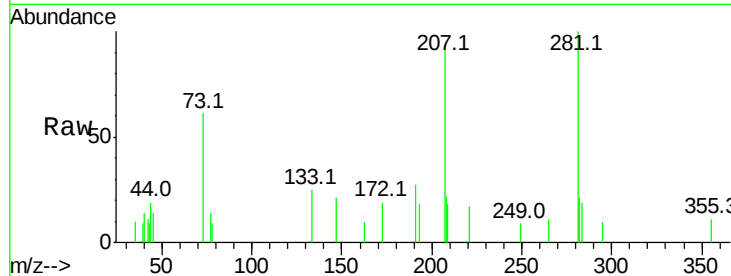




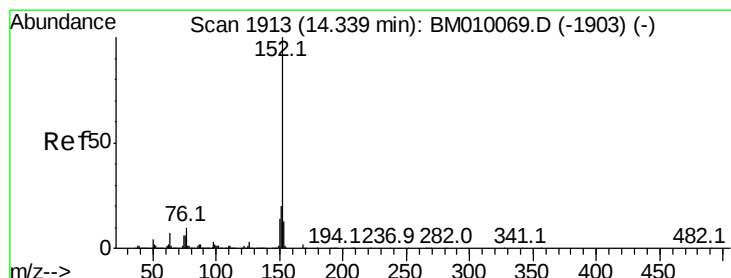
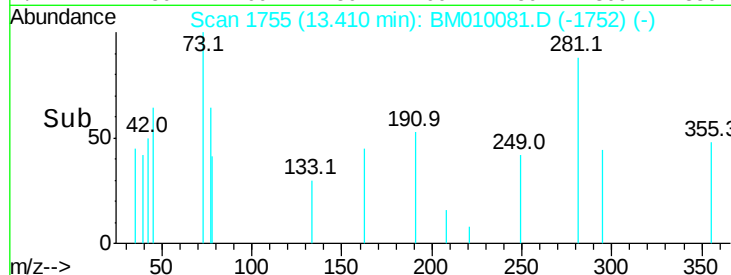
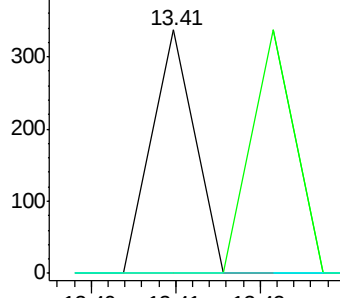
#46
2-Chloronaphthalene
Concen: 0.01 ng
RT: 13.41 min Scan# 1755
Delta R.T. -0.08 min
Lab File: BM010081.D
Acq: 19 May 2017 22:26

Instrument :
BNA_M
ClientSampleId :

Tot Ion:162 Resp: 119
Ion Ratio Lower Upper
162 100
127 0.0 26.9 40.3#
164 0.0 26.8 40.2#

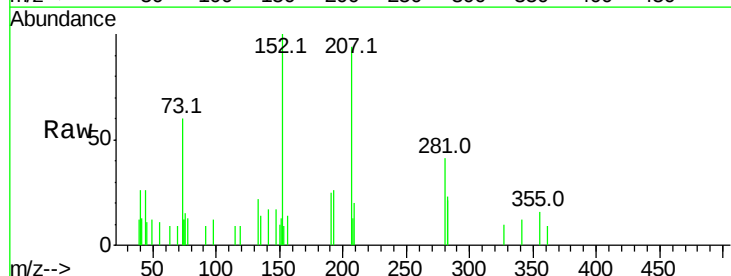


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

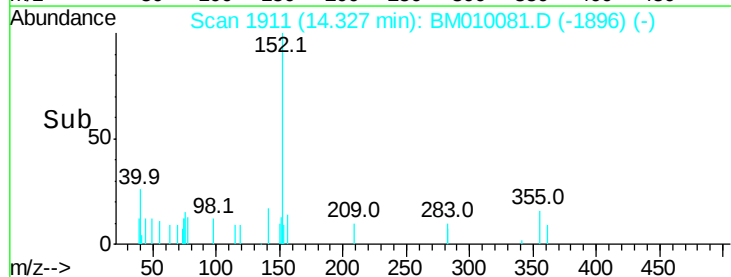
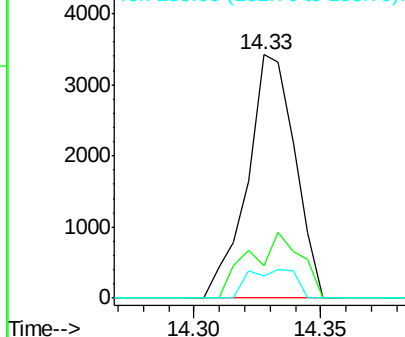


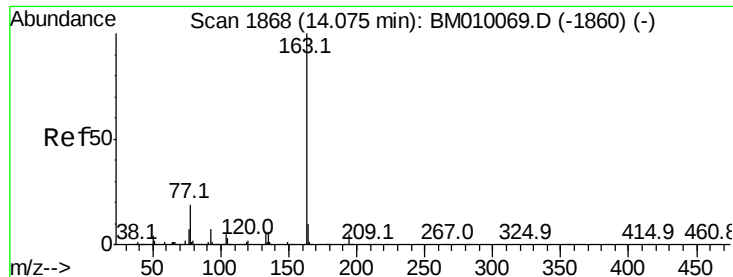
#48
Acenaphthylene
Concen: 0.15 ng
RT: 14.33 min Scan# 1911
Delta R.T. -0.01 min
Lab File: BM010081.D
Acq: 19 May 2017 22:26

Tgt Ion:152 Resp: 4492
Ion Ratio Lower Upper
152 100
151 13.4 15.9 23.9#
153 9.3 10.6 16.0#



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





#49

Dimethylphthalate

Concen: 0.01 ng

RT: 14.08 min Scan# 1869

Delta R.T. 0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Instrument :

BNA_M

ClientSampleId :

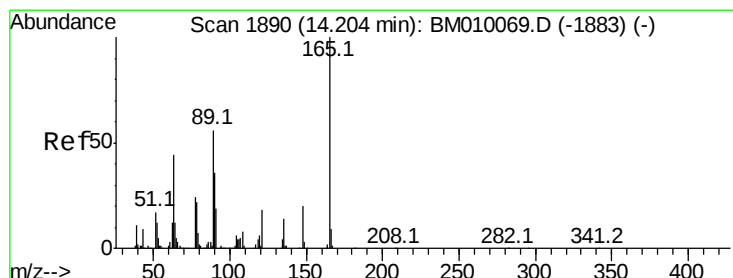
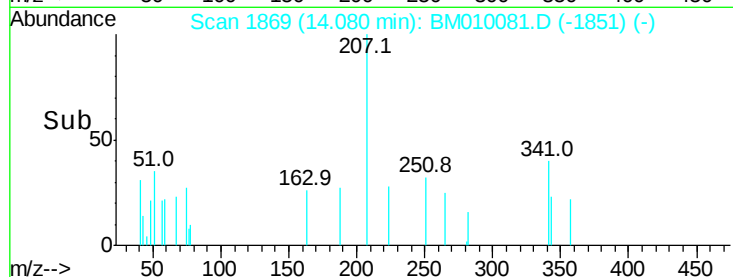
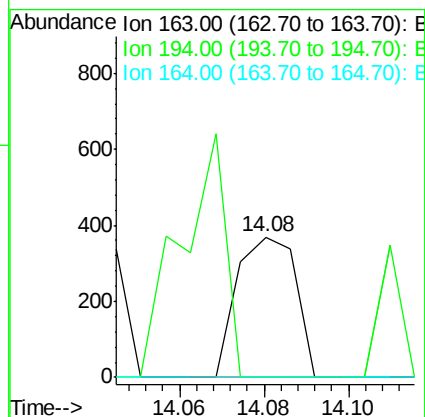
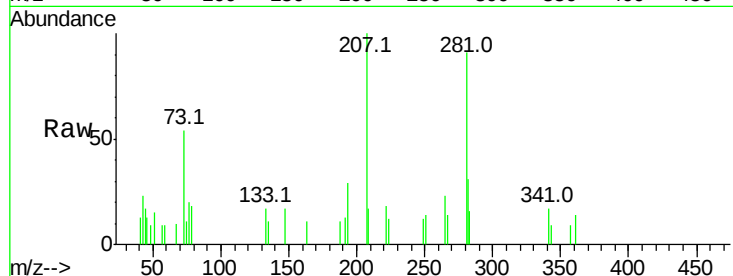
Tot Ion:163 Resp: 357

Ion Ratio Lower Upper

163 100

194 0.0 2.7 4.1#

164 0.0 8.2 12.2#



#50

2,6-Dinitrotoluene

Concen: 0.02 ng

RT: 14.26 min Scan# 1899

Delta R.T. 0.05 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

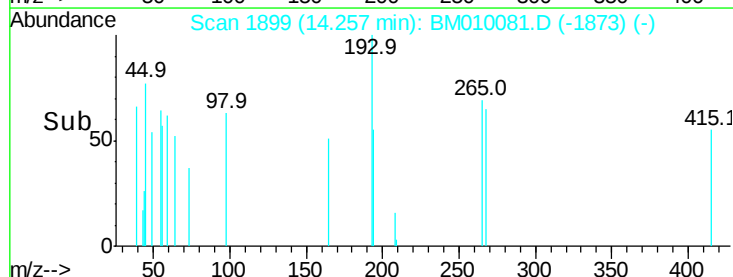
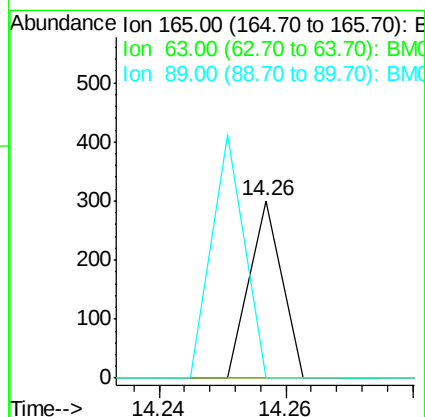
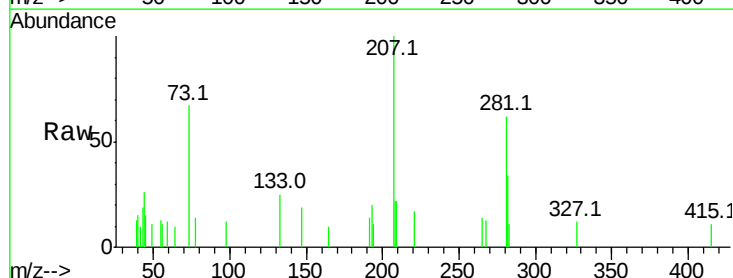
Tgt Ion:165 Resp: 106

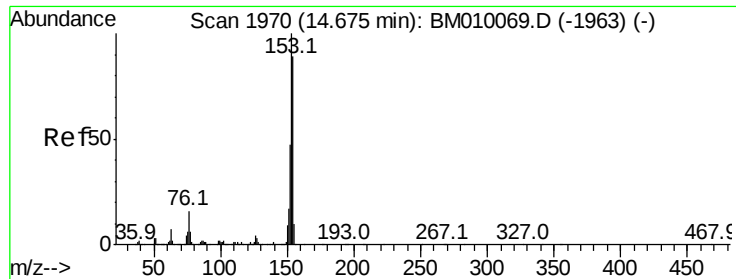
Ion Ratio Lower Upper

165 100

63 0.0 44.1 66.1#

89 0.0 44.3 66.5#





#51

Acenaphthene

Concen: 0.13 ng

RT: 14.66 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Instrument :

BNA_M

ClientSampleId :

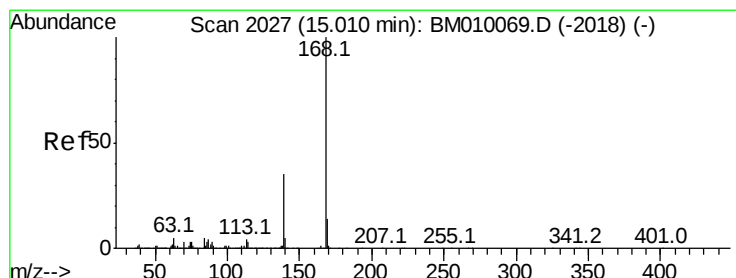
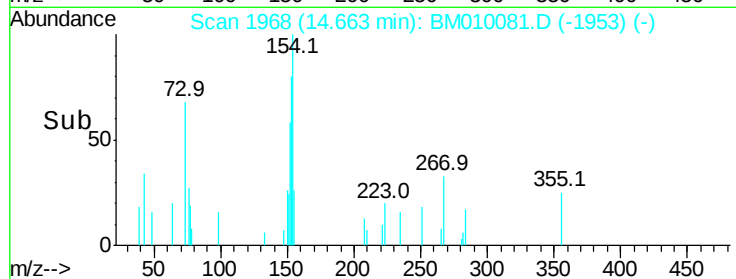
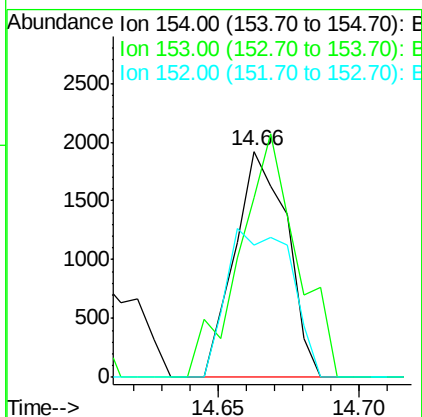
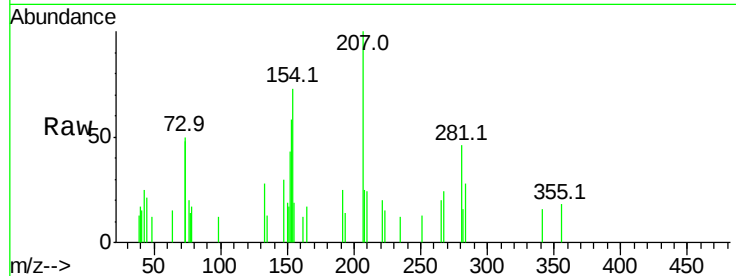
Tot Ion:154 Resp: 2461

Ion Ratio Lower Upper

154 100

153 79.5 90.0 135.0#

152 58.3 42.6 63.8



#54

Dibenzofuran

Concen: 0.34 ng

RT: 15.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

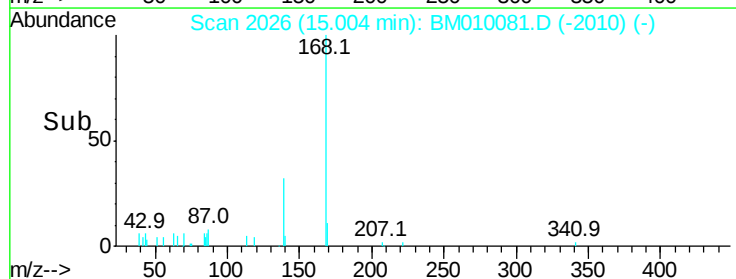
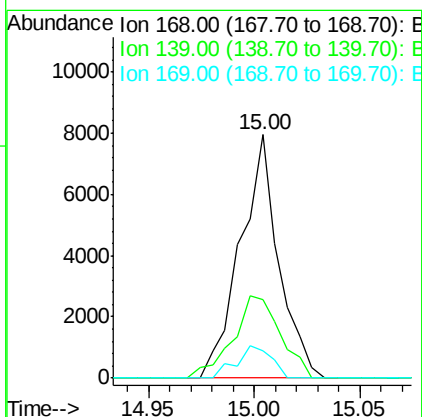
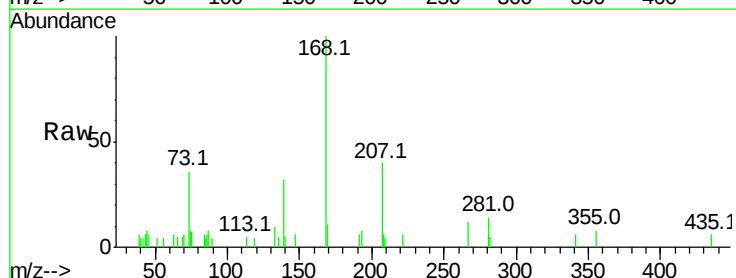
Tgt Ion:168 Resp: 10033

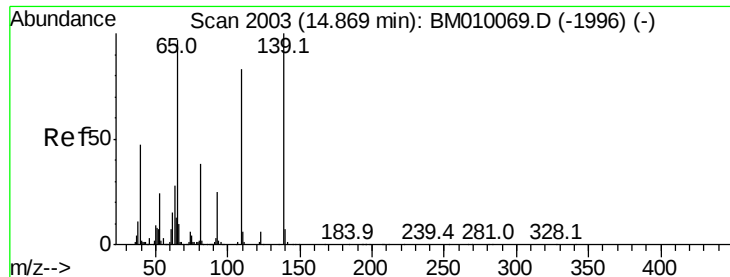
Ion Ratio Lower Upper

168 100

139 32.1 27.3 40.9

169 11.5 10.6 16.0





#55

4-Nitrophenol

Concen: 1.06 ng

RT: 15.00 min Scan# 2025

Delta R.T. 0.13 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Instrument :

BNA_M

ClientSampleId :

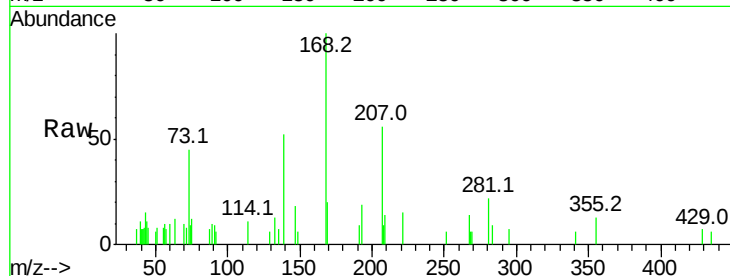
Tot Ion:139 Resp: 4163

Ion Ratio Lower Upper

139 100

109 0.0 37.7 77.7#

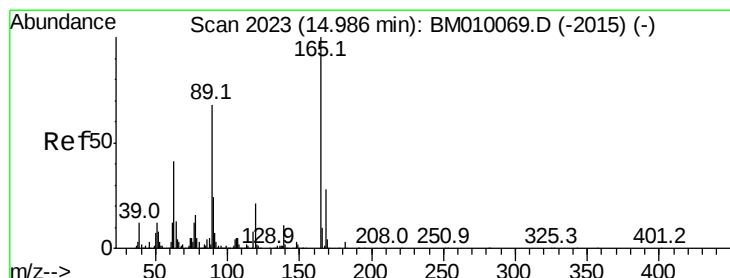
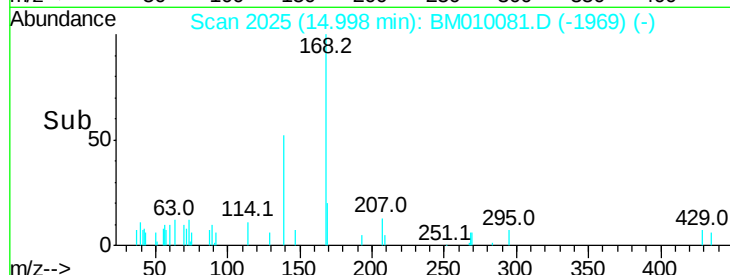
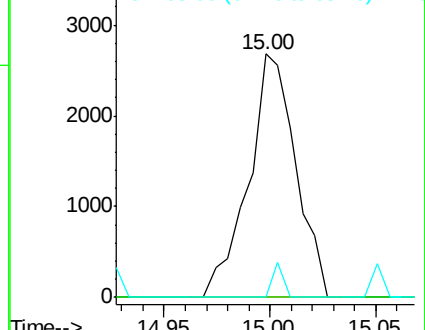
65 0.0 49.9 89.9#



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): BM



#56

2,4-Dinitrotoluene

Concen: 0.04 ng

RT: 14.93 min Scan# 2014

Delta R.T. -0.05 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Tgt Ion:165 Resp: 260

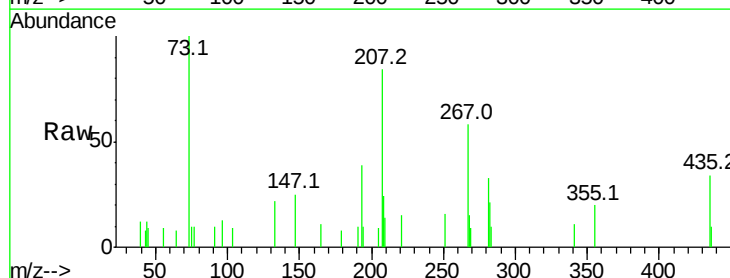
Ion Ratio Lower Upper

165 100

63 0.0 52.4 78.6#

89 0.0 72.4 108.6#

182 0.0 2.0 3.0#

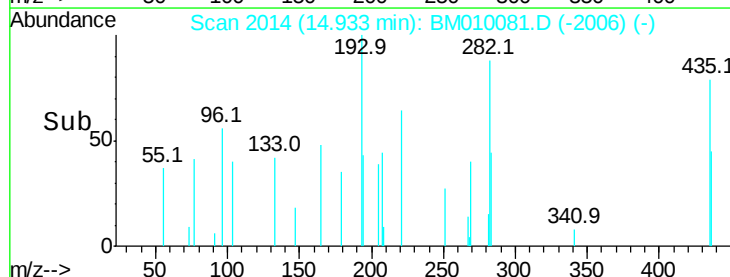
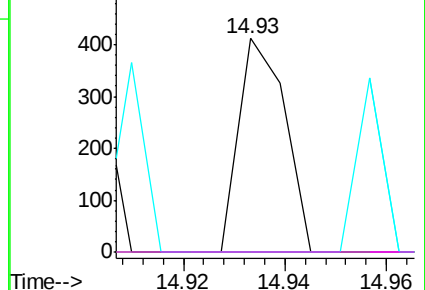


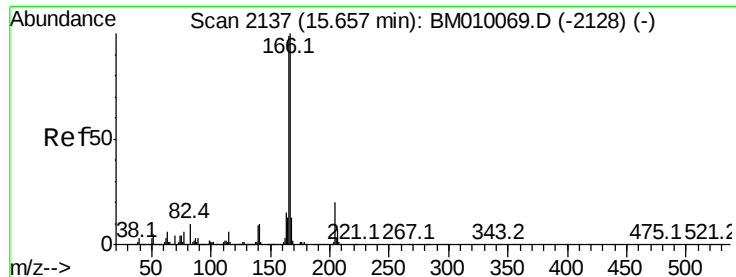
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: 0.31 ng

RT: 15.64 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Instrument :

BNA_M

ClientSampleId :

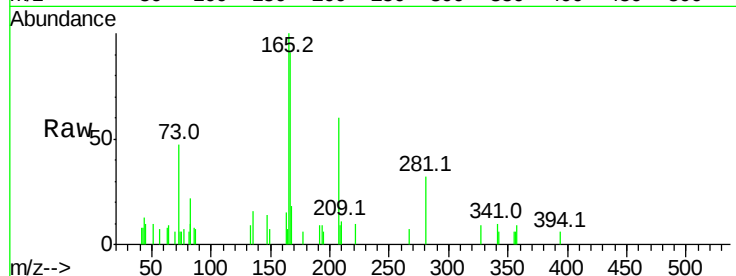
Tot Ion:166 Resp: 8155

Ion Ratio Lower Upper

166 100

165 109.7 79.0 118.4

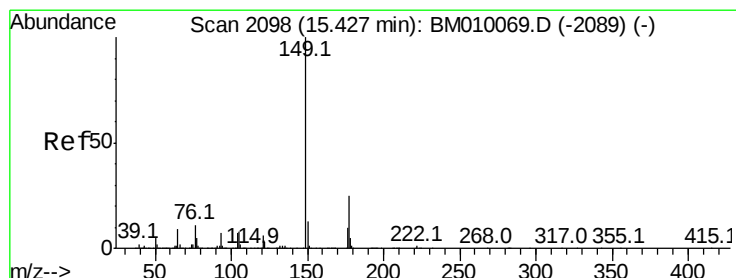
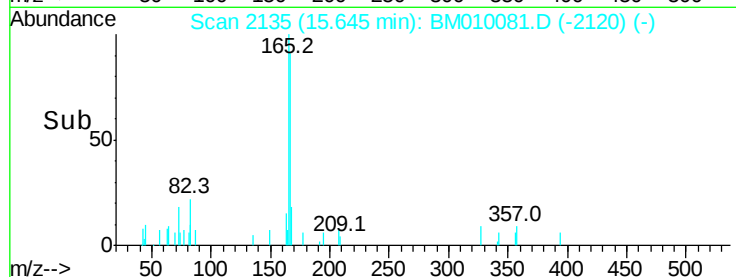
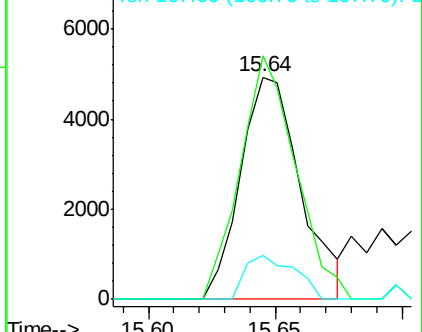
167 19.6 10.3 15.5#



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

Diethylphthalate

Concen: 0.10 ng

RT: 15.42 min Scan# 2096

Delta R.T. -0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

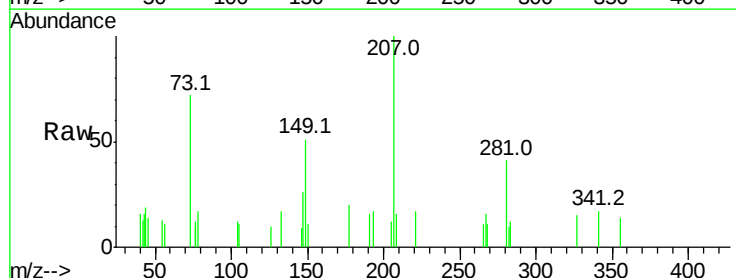
Tgt Ion:149 Resp: 2515

Ion Ratio Lower Upper

149 100

177 39.0 18.3 27.5#

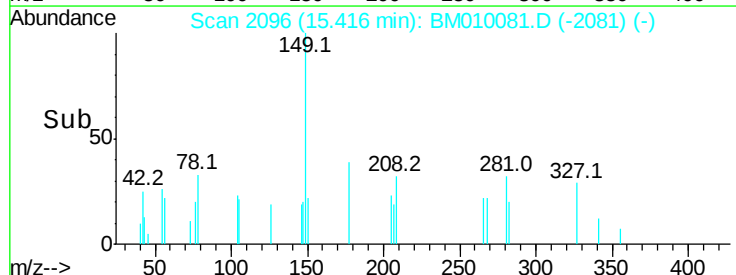
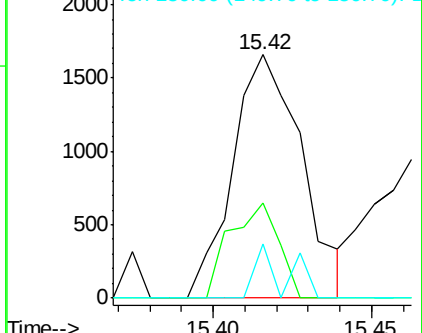
150 22.3 9.8 14.8#

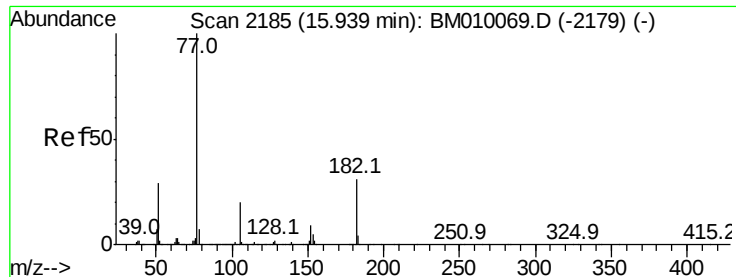


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.08 ng

RT: 15.91 min Scan# 2180

Delta R.T. -0.03 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 77 Resp: 1480

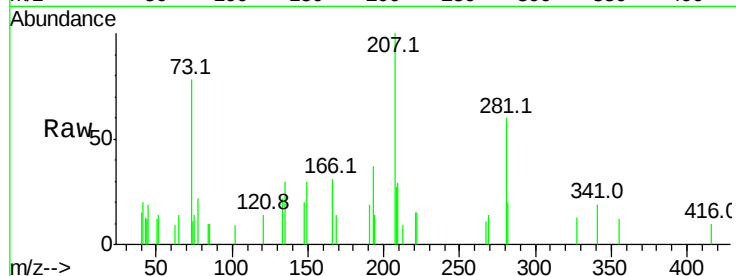
Ion Ratio Lower Upper

77 100

182 0.0 6.5 46.5#

105 0.0 3.8 43.8#

51 63.9 5.5 45.5#

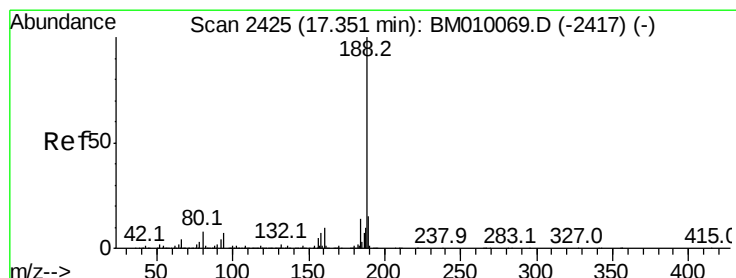
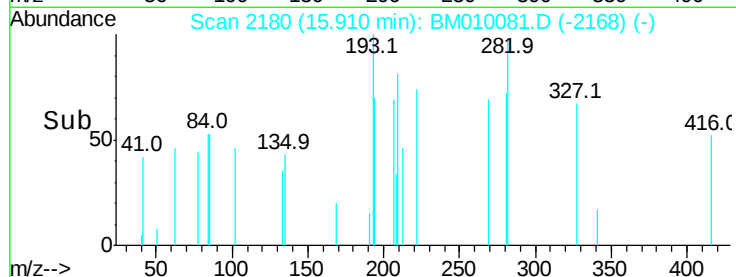
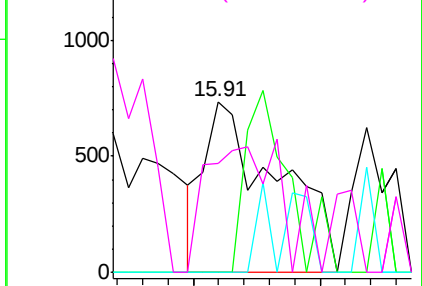


Abundance Ion 77.00 (76.70 to 77.70): BM010069.D (-2179) (-)

Ion 182.00 (181.70 to 182.70): BM010069.D (-2179) (-)

Ion 105.00 (104.70 to 105.70): BM010069.D (-2179) (-)

Ion 51.00 (50.70 to 51.70): BM010069.D (-2179) (-)



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.34 min Scan# 2424

Delta R.T. -0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

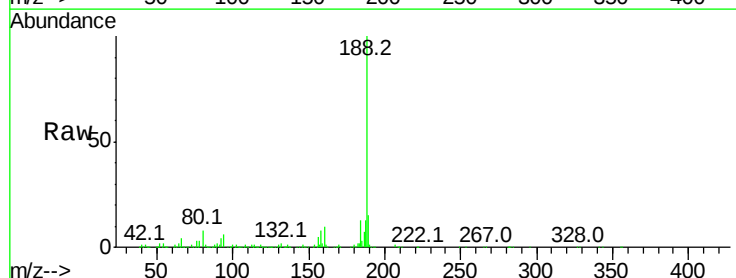
Tgt Ion: 188 Resp: 881992

Ion Ratio Lower Upper

188 100

94 6.1 8.7 13.1#

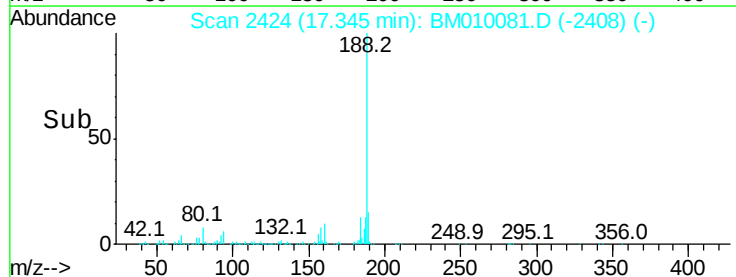
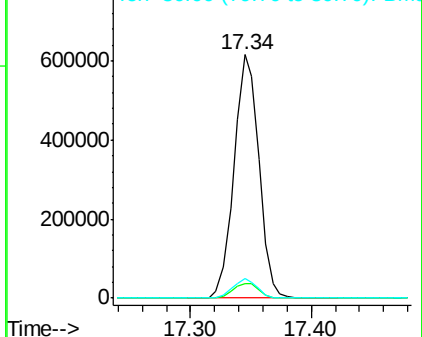
80 7.9 9.3 13.9#

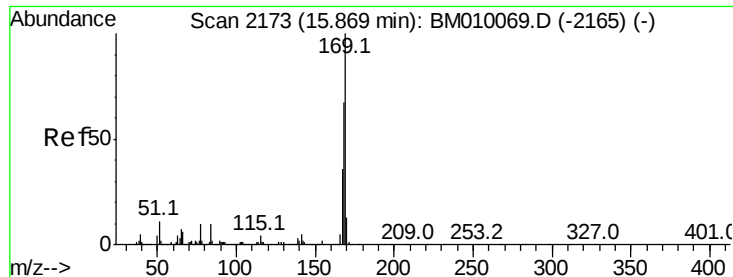


Abundance Ion 188.00 (187.70 to 188.70): BM010069.D (-2417) (-)

Ion 94.00 (93.70 to 94.70): BM010069.D (-2417) (-)

Ion 80.00 (79.70 to 80.70): BM010069.D (-2417) (-)





#65

n-Nitrosodiphenylamine

Concen: 0.26 ng

RT: 15.86 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Instrument :

BNA_M

ClientSampleId :

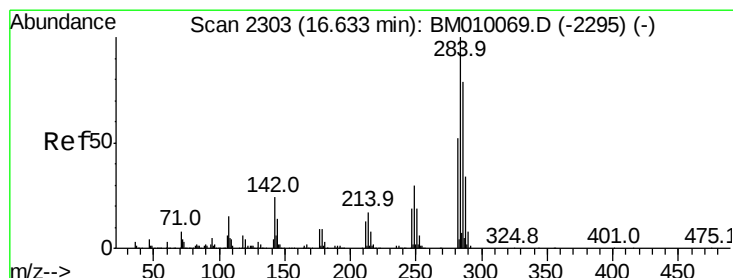
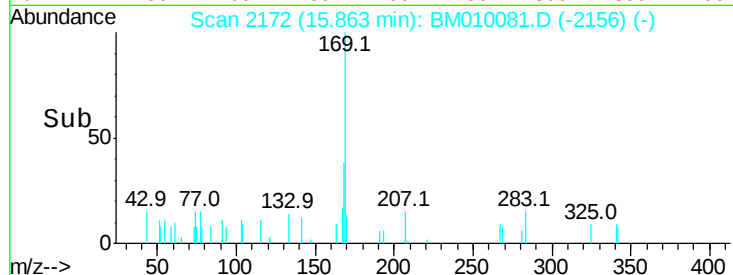
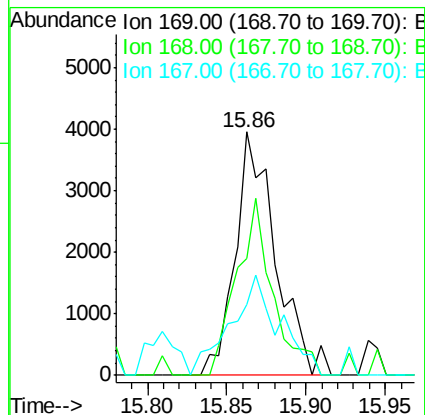
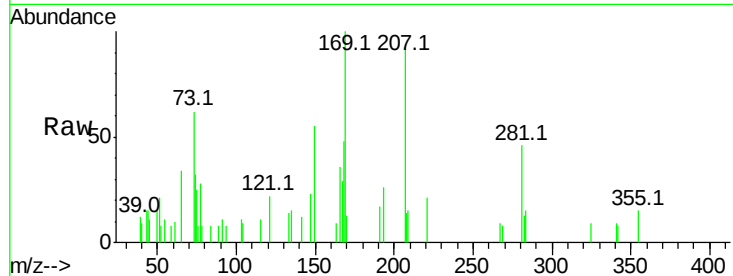
Tot Ion:169 Resp: 6968

Ion Ratio Lower Upper

169 100

168 48.2 53.9 80.9#

167 28.9 28.9 43.3



#67

Hexachlorobenzene

Concen: 0.02 ng

RT: 16.64 min Scan# 2304

Delta R.T. 0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

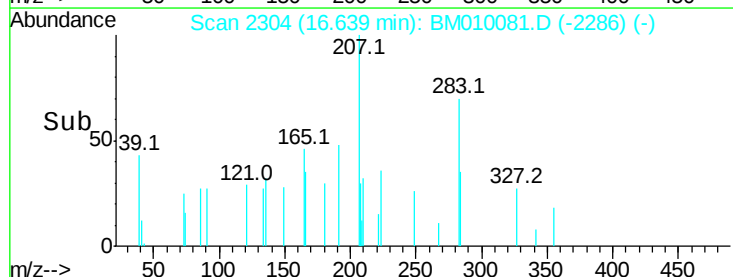
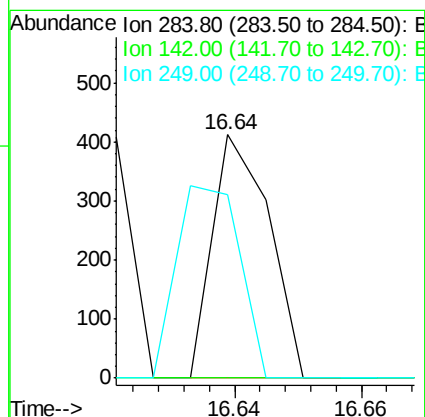
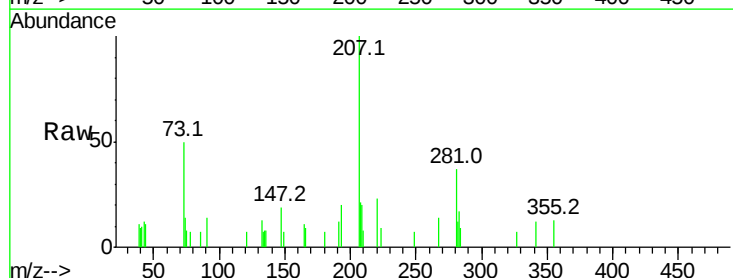
Tgt Ion:284 Resp: 252

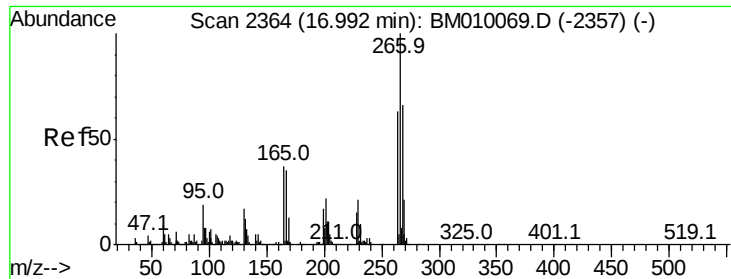
Ion Ratio Lower Upper

284 100

142 0.0 20.4 30.6#

249 75.2 23.8 35.6#





#69

Pentachlorophenol

Concen: 0.02 ng

RT: 16.97 min Scan# 2361

Delta R.T. -0.02 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Instrument :

BNA_M

ClientSampleId :

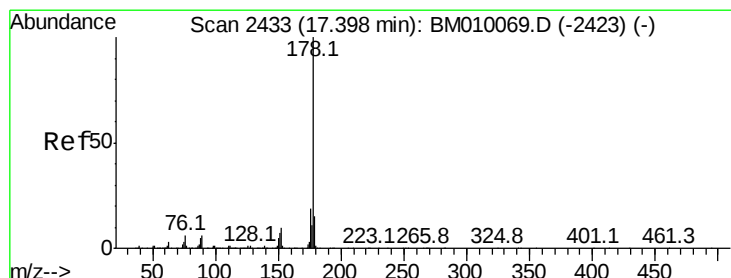
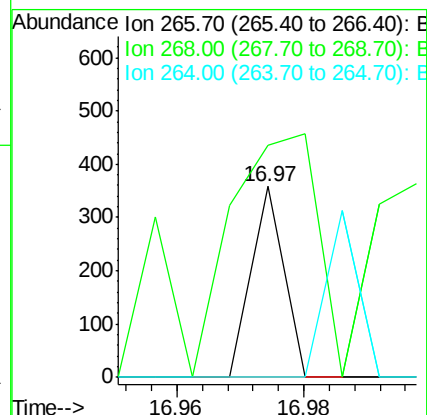
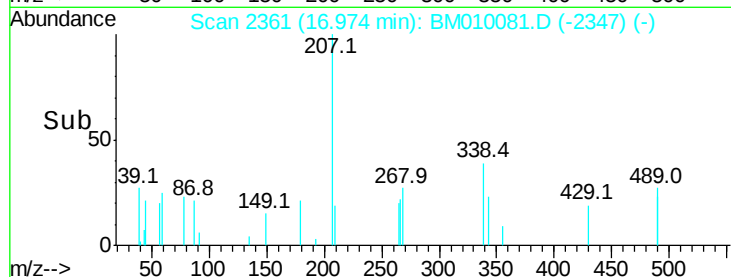
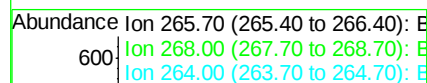
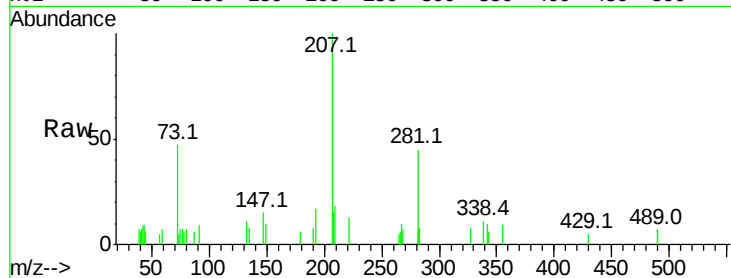
Tot Ion:266 Resp: 126

Ion Ratio Lower Upper

266 100

268 121.5 52.0 78.0#

264 0.0 49.0 73.4#



#70

Phenanthrene

Concen: 0.39 ng

RT: 17.39 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

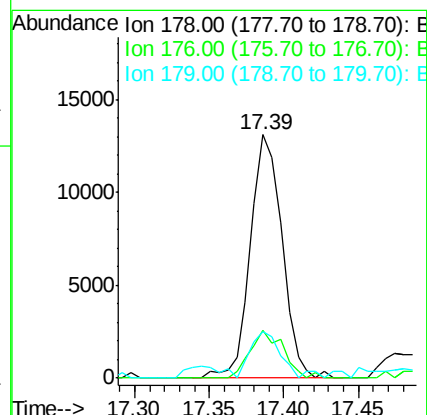
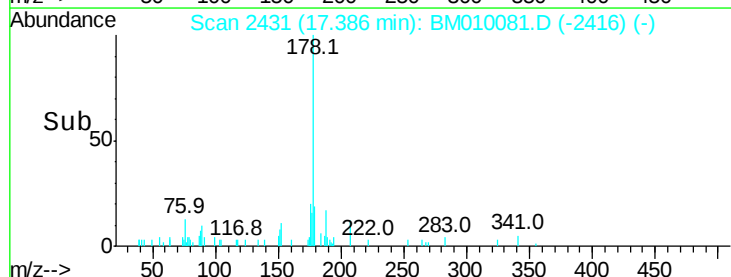
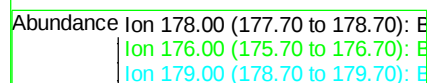
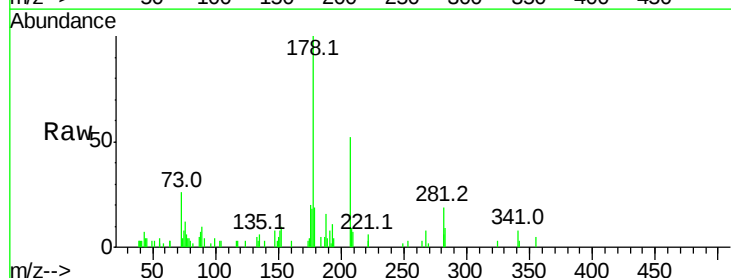
Tgt Ion:178 Resp: 19272

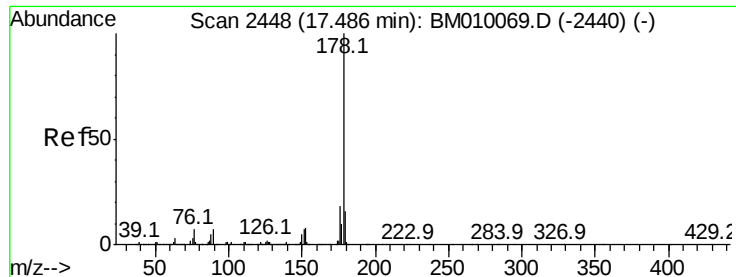
Ion Ratio Lower Upper

178 100

176 19.8 15.2 22.8

179 18.9 12.1 18.1#





#71

Anthracene

Concen: 0.05 ng

RT: 17.47 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Instrument :

BNA_M

ClientSampleId :

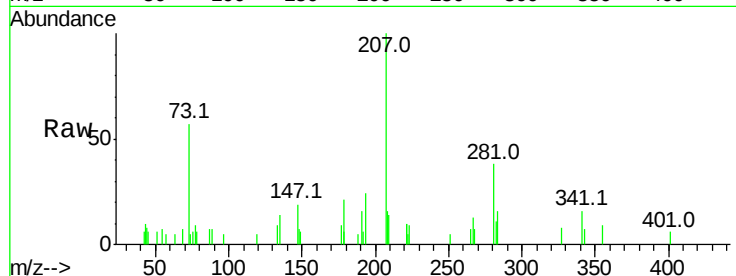
Tot Ion:178 Resp: 2562

Ion Ratio Lower Upper

178 100

176 0.0 14.6 22.0#

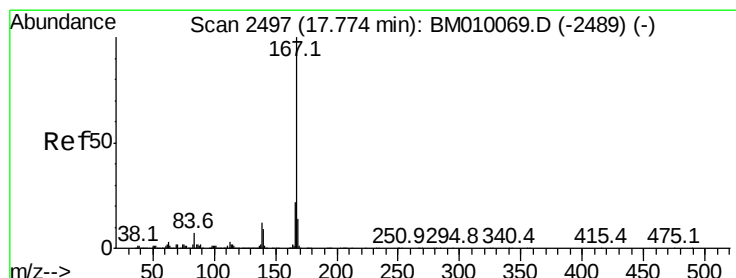
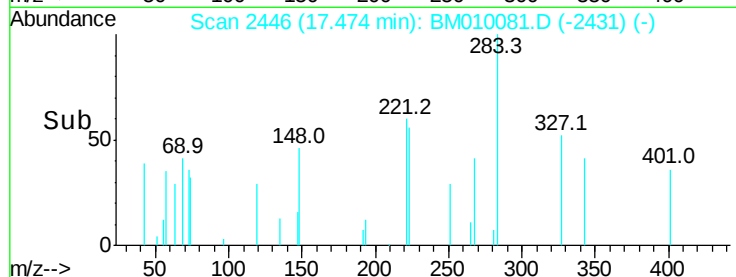
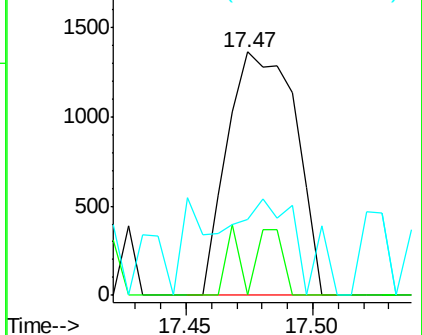
179 31.3 12.6 19.0#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 0.49 ng

RT: 17.77 min Scan# 2496

Delta R.T. -0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

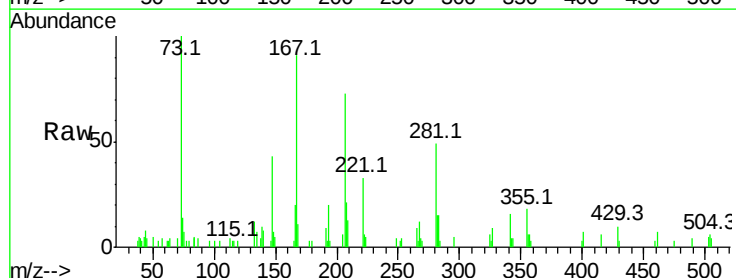
Tgt Ion:167 Resp: 21403

Ion Ratio Lower Upper

167 100

166 22.4 17.2 25.8

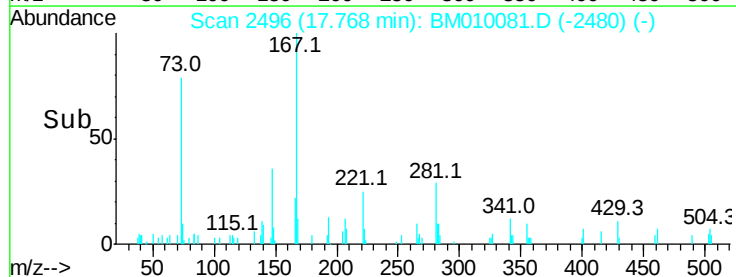
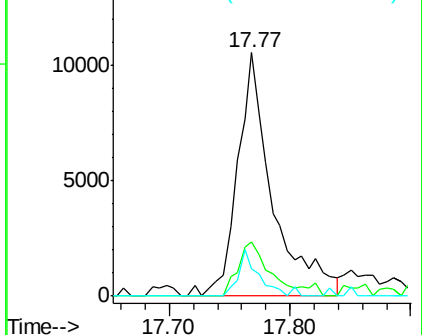
139 11.4 10.8 16.2

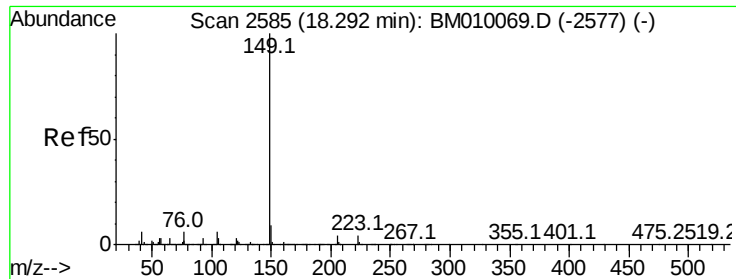


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.08 ng

RT: 18.29 min Scan# 2584

Delta R.T. -0.01 min

Lab File: BM010081.D

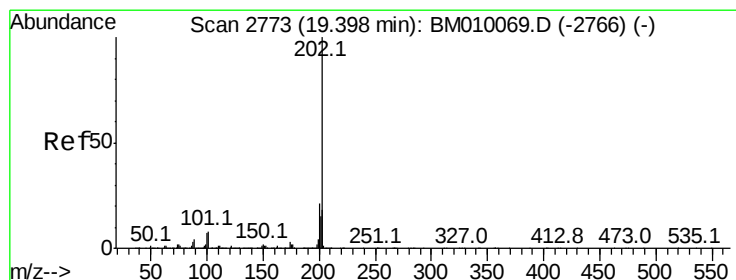
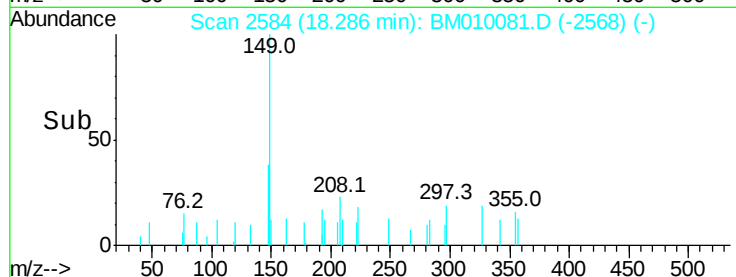
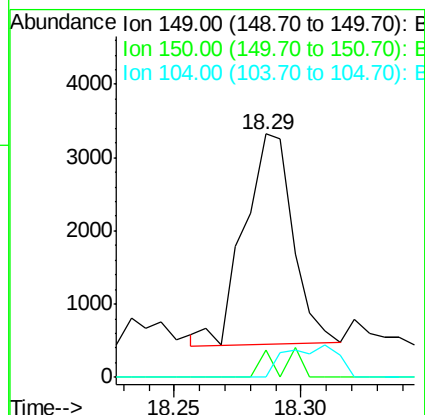
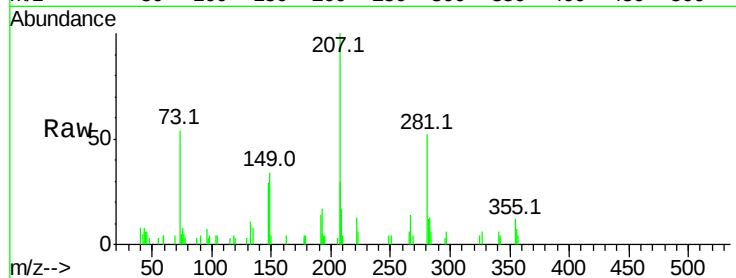
Acq: 19 May 2017 22:26

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	149	Resp:	3856
Ion	Ratio	Lower	Upper
149	100		
150	11.2	7.5	11.3
104	0.0	3.7	5.5#



#74

Fluoranthene

Concen: 0.04 ng

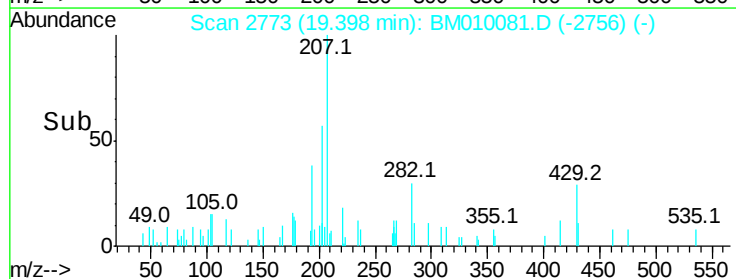
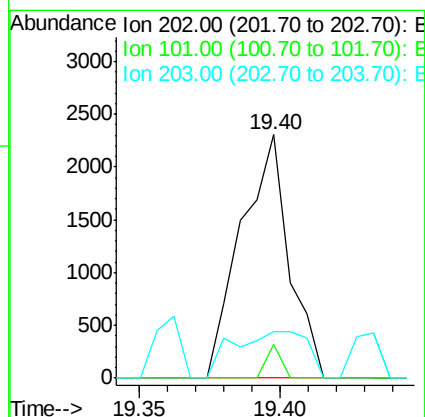
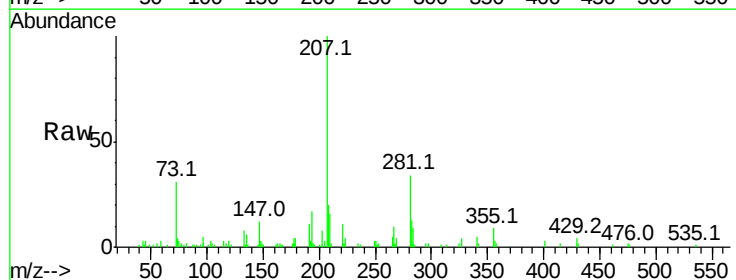
RT: 19.40 min Scan# 2773

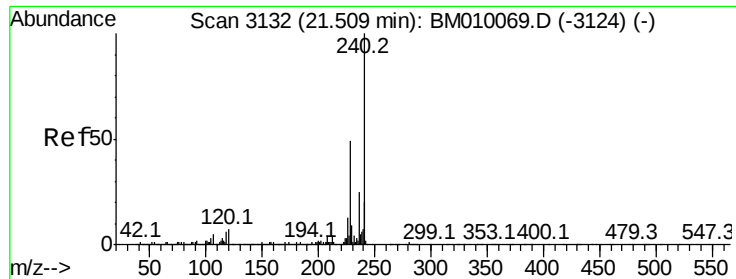
Delta R.T. -0.00 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Tgt Ion:	202	Resp:	2723
Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	28.7
203	19.1	0.0	37.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.50 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Instrument :

BNA_M

ClientSampled :

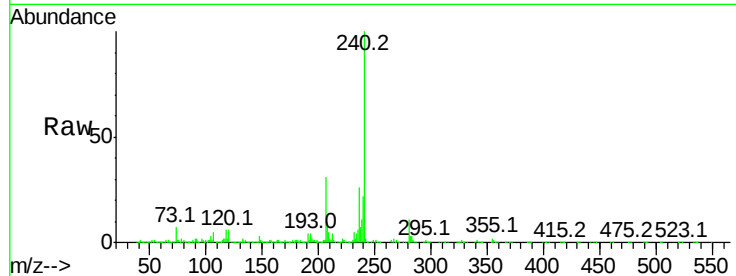
Tot Ion:240 Resp: 972895

Ion Ratio Lower Upper

240 100

120 6.1 8.2 12.2#

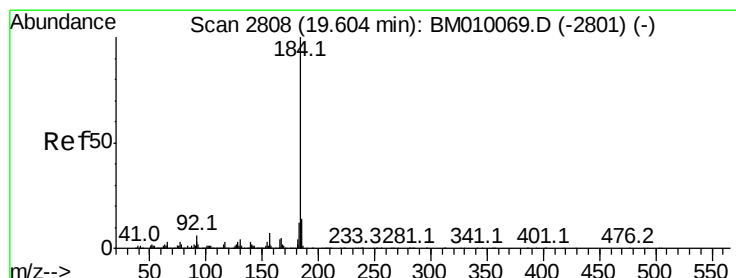
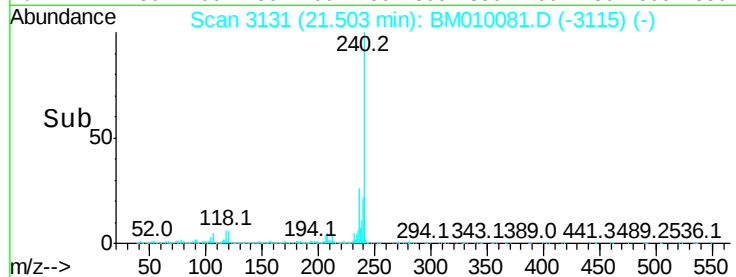
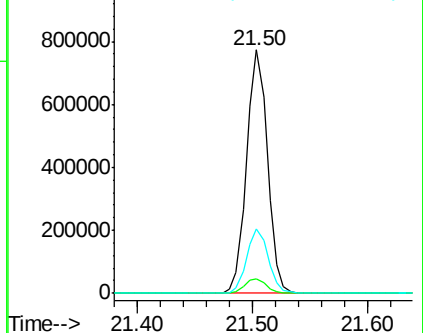
236 26.4 20.0 30.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 0.01 ng

RT: 19.61 min Scan# 2809

Delta R.T. 0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

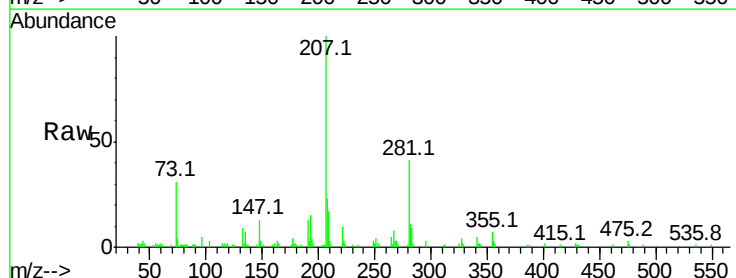
Tgt Ion:184 Resp: 262

Ion Ratio Lower Upper

184 100

185 0.0 11.3 16.9#

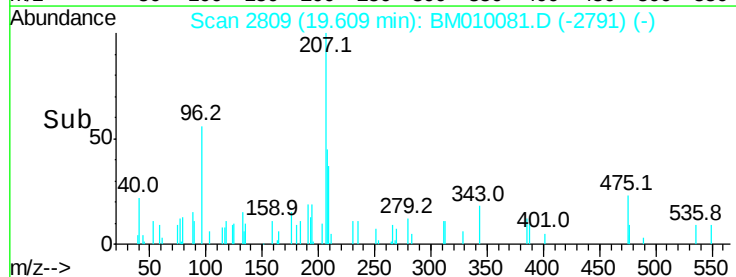
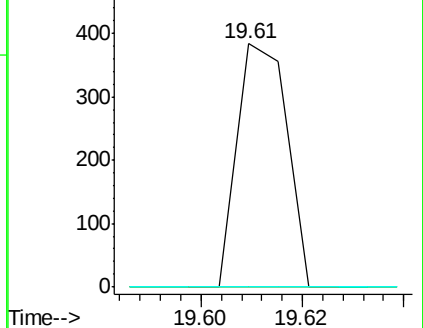
183 0.0 8.9 13.3#

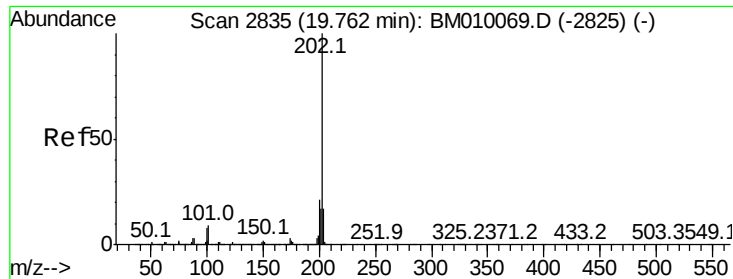


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

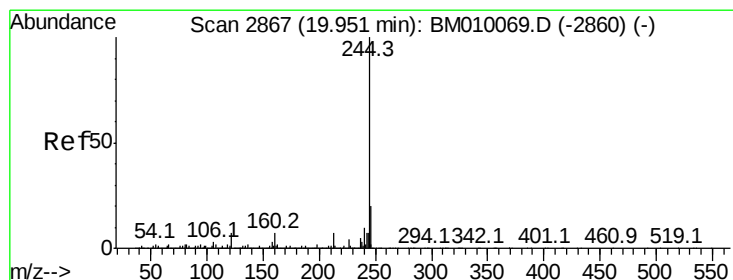
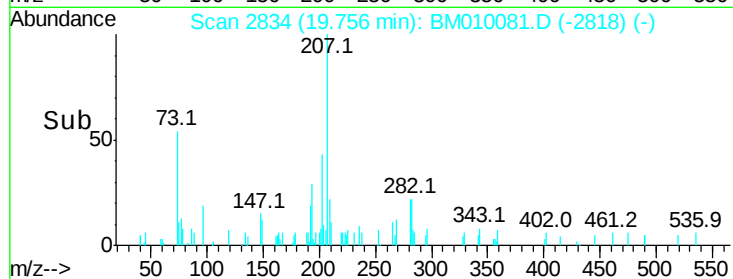
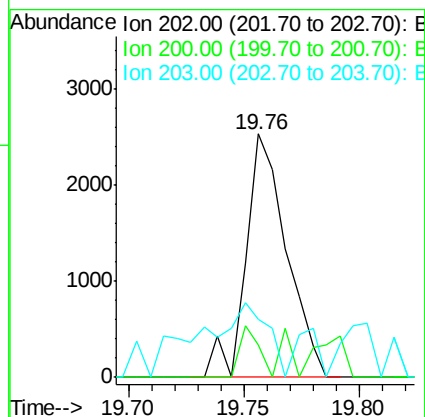
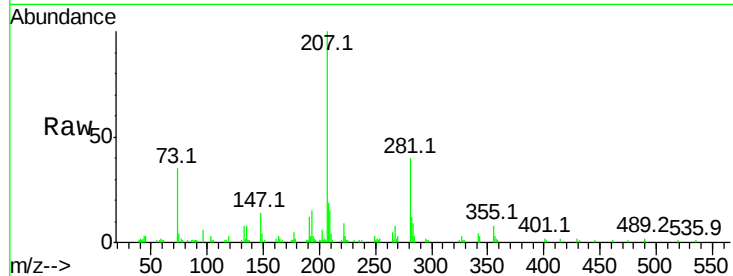




#77
Pvrene
Concen: 0.06 ng
RT: 19.76 min Scan# 2834
Delta R.T. -0.01 min
Lab File: BM010081.D
Acq: 19 May 2017 22:26

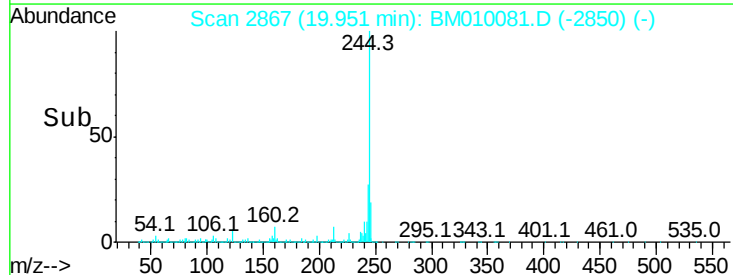
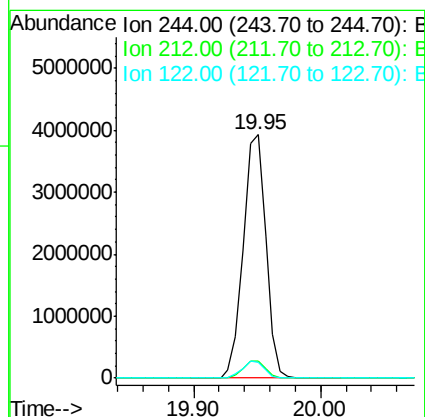
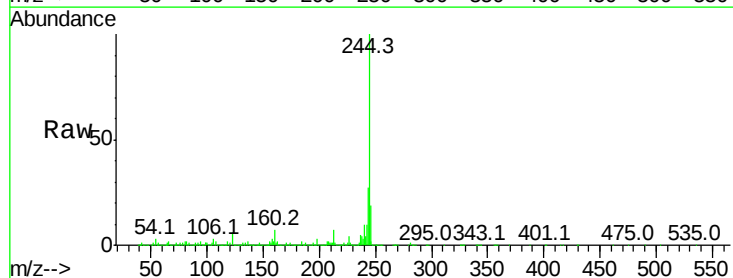
Instrument :
BNA_M
ClientSampleId :

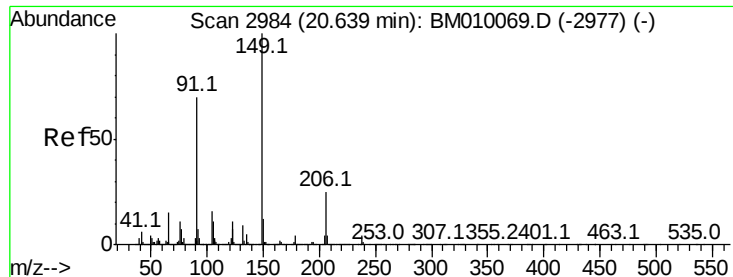
Tot Ion:202 Resp: 3117
Ion Ratio Lower Upper
202 100
200 13.2 16.9 25.3#
203 24.0 14.1 21.1#



#78
Terphenyl-d14
Concen: 113.36 ng
RT: 19.95 min Scan# 2867
Delta R.T. -0.00 min
Lab File: BM010081.D
Acq: 19 May 2017 22:26

Tgt Ion:244 Resp: 4850359
Ion Ratio Lower Upper
244 100
212 7.0 4.9 7.3
122 6.4 6.2 9.4

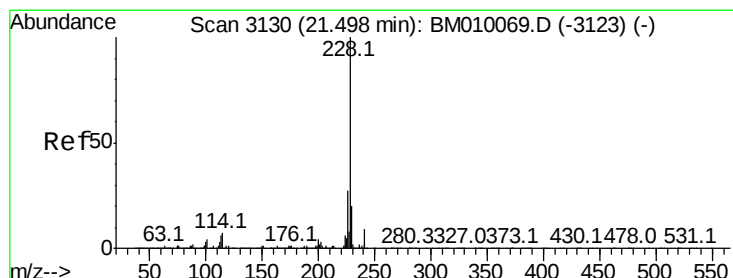
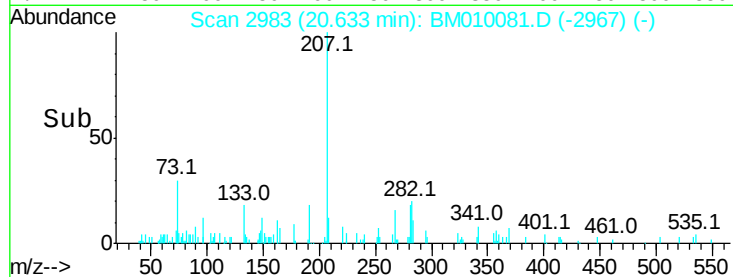
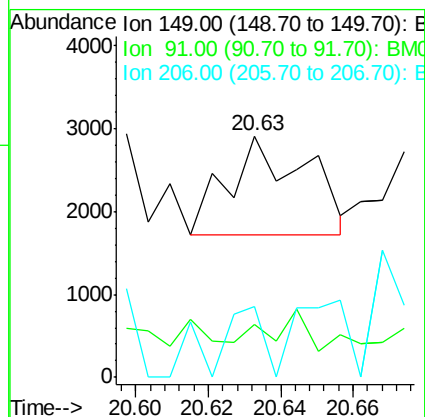
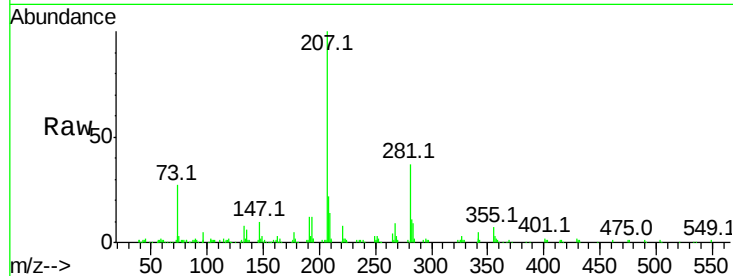




#79
Butylbenzylphthalate
Concen: 0.09 ng
RT: 20.63 min Scan# 2983
Delta R.T. -0.01 min
Lab File: BM010081.D
Acq: 19 May 2017 22:26

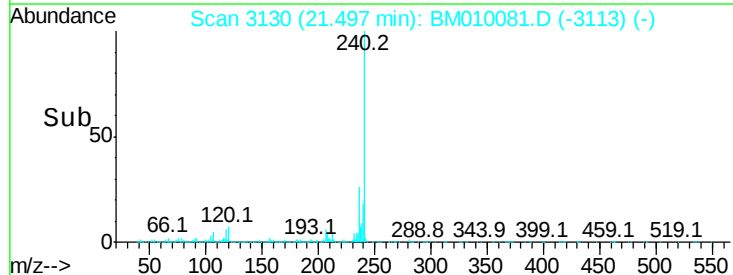
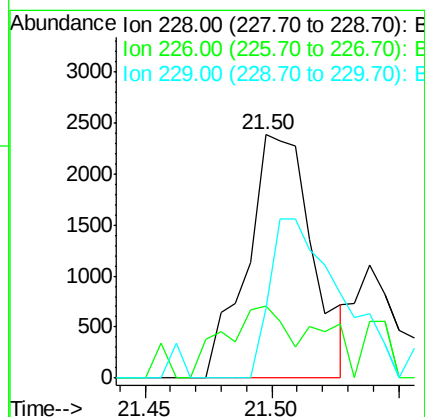
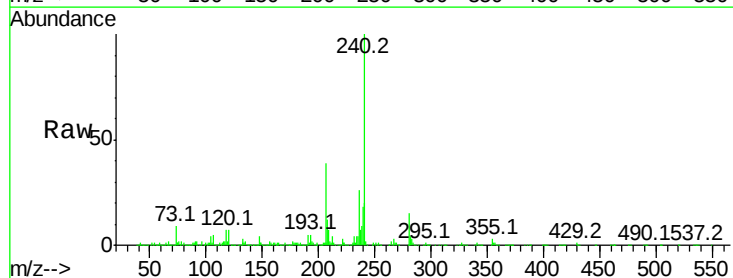
Instrument :
BNA_M
ClientSampleId :

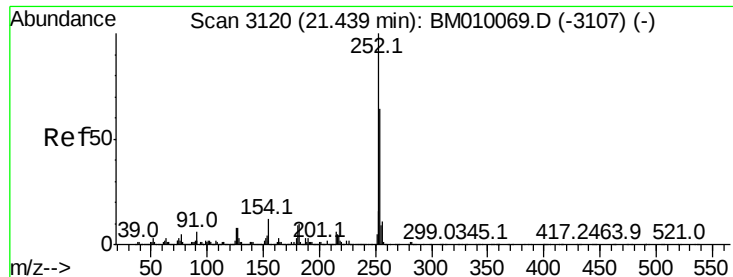
Tot Ion:149 Resp: 1773
Ion Ratio Lower Upper
149 100
91 22.0 50.1 75.1#
206 29.4 16.2 24.2#



#80
Benzo(a)anthracene
Concen: 0.08 ng
RT: 21.50 min Scan# 3130
Delta R.T. -0.00 min
Lab File: BM010081.D
Acq: 19 May 2017 22:26

Tgt Ion:228 Resp: 4312
Ion Ratio Lower Upper
228 100
226 29.7 21.7 32.5
229 28.4 16.0 24.0#

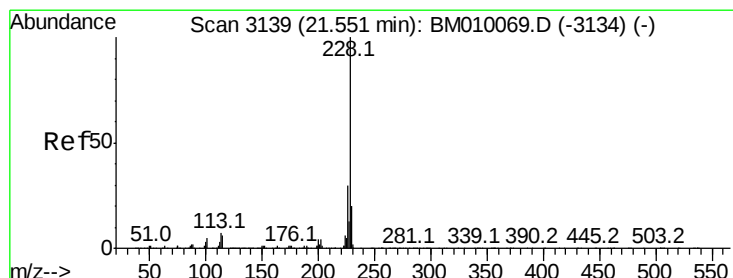
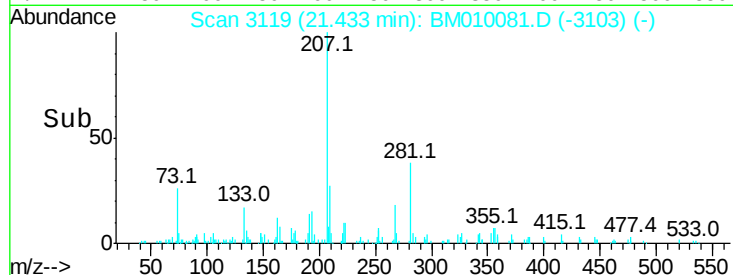
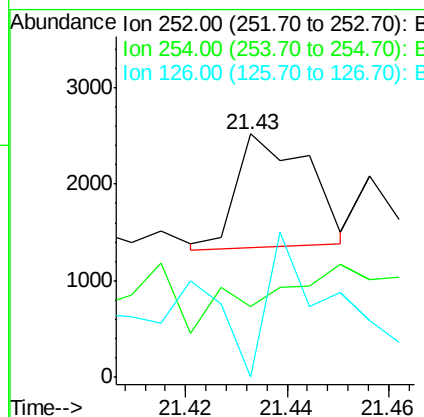
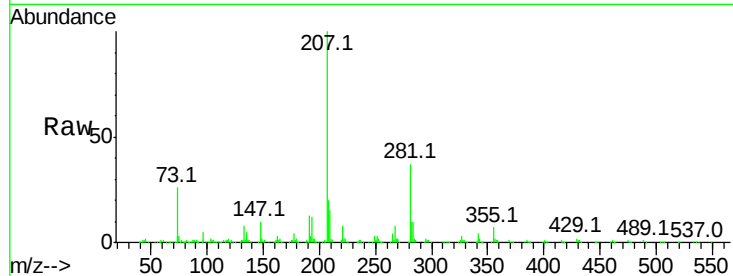




#81
 3,3'-Dichlorobenzidine
 Concen: 0.05 ng
 RT: 21.43 min Scan# 3119
 Delta R.T. -0.01 min
 Lab File: BM010081.D
 Acq: 19 May 2017 22:26

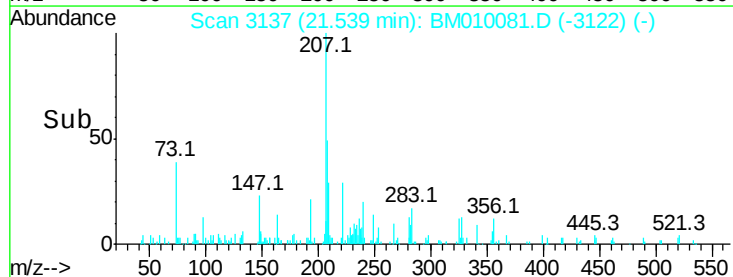
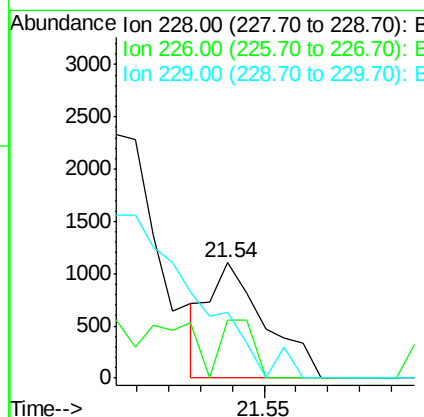
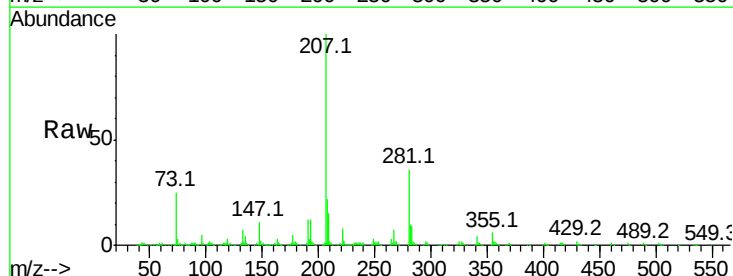
Instrument :
 BNA_M
 ClientSampled :

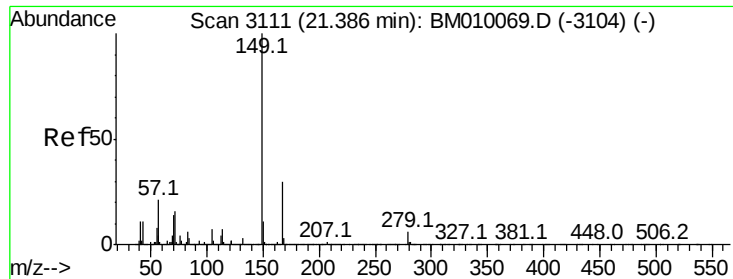
Tot Ion:252 Resp: 1146
 Ion Ratio Lower Upper
 252 100
 254 29.1 51.9 77.9#
 126 0.0 9.8 14.8#



#82
 Chrysene
 Concen: 0.03 ng
 RT: 21.54 min Scan# 3137
 Delta R.T. -0.01 min
 Lab File: BM010081.D
 Acq: 19 May 2017 22:26

Tgt Ion:228 Resp: 1358
 Ion Ratio Lower Upper
 228 100
 226 50.7 24.1 36.1#
 229 56.8 15.5 23.3#

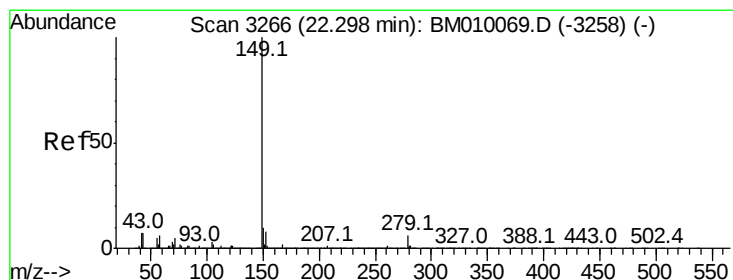
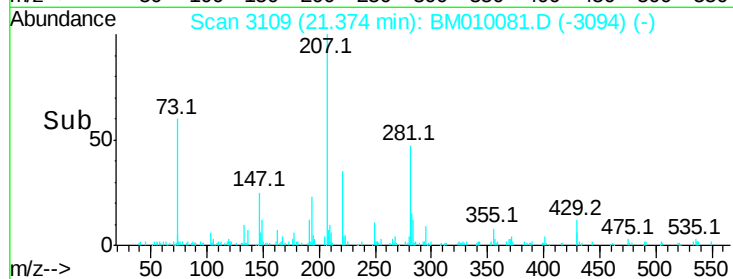
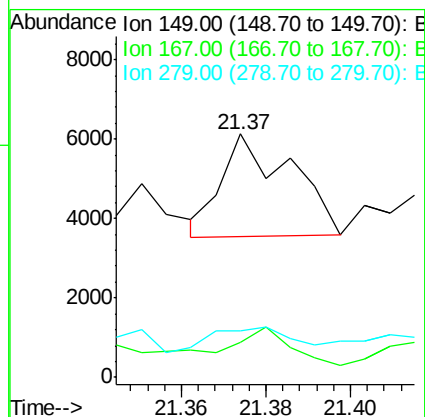
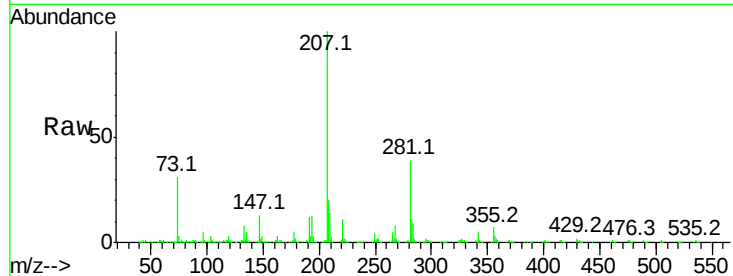




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.10 ng
 RT: 21.37 min Scan# 3109
 Delta R.T. -0.01 min
 Lab File: BM010081.D
 Acq: 19 May 2017 22:26

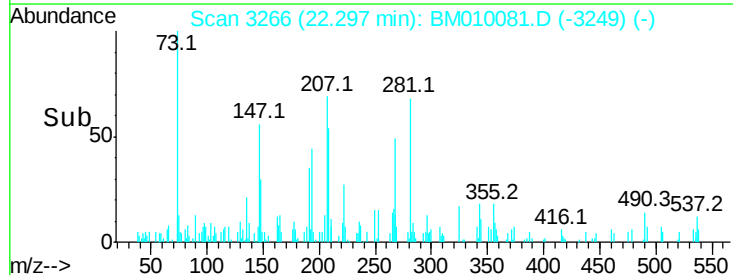
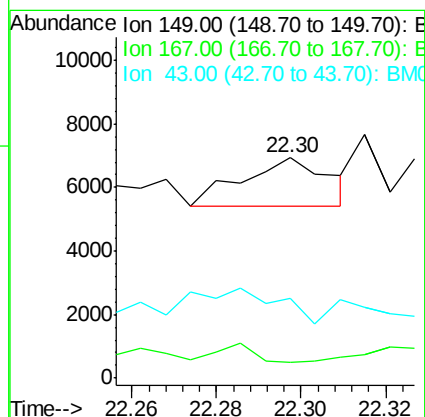
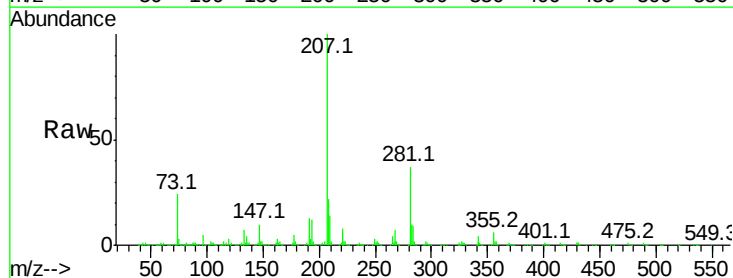
Instrument :
 BNA_M
 ClientSampleId :

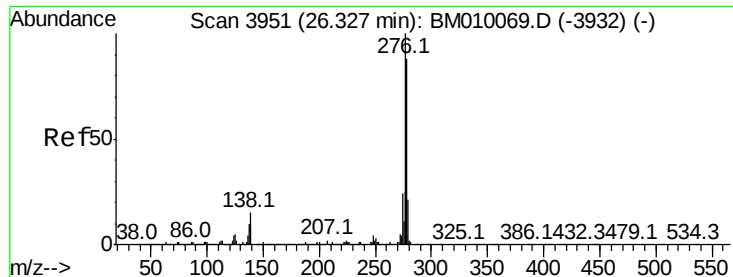
Tot Ion:149 Resp: 2942
 Ion Ratio Lower Upper
 149 100
 167 14.4 22.4 33.6#
 279 19.3 3.4 5.0#



#84
 Di-n-octyl phthalate
 Concen: 0.04 ng
 RT: 22.30 min Scan# 3266
 Delta R.T. -0.00 min
 Lab File: BM010081.D
 Acq: 19 May 2017 22:26

Tgt Ion:149 Resp: 2172
 Ion Ratio Lower Upper
 149 100
 167 17.5 1.2 1.8#
 43 95.4 7.3 10.9#

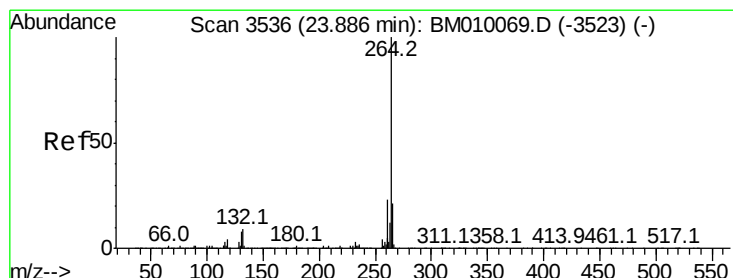
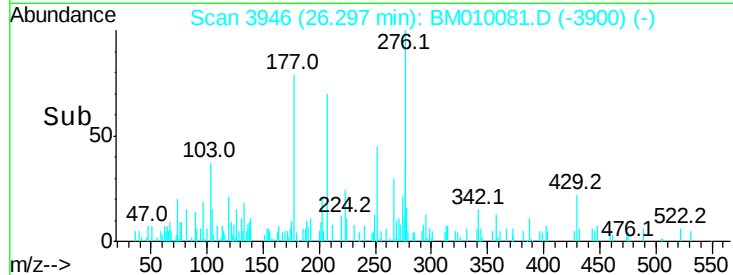
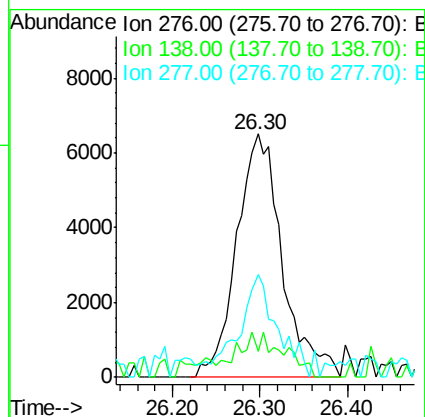
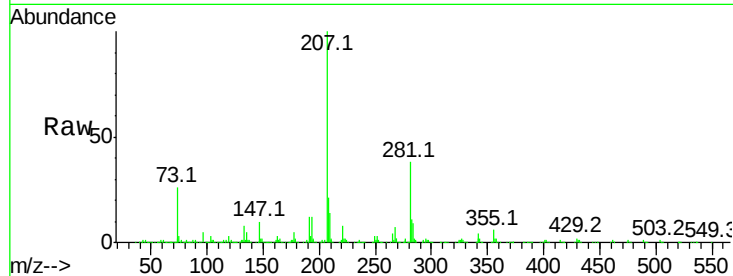




#85
Indeno(1,2,3-cd)pyrene
Concen: 0.31 ng
RT: 26.30 min Scan# 3946
Delta R.T. -0.03 min
Lab File: BM010081.D
Acq: 19 May 2017 22:26

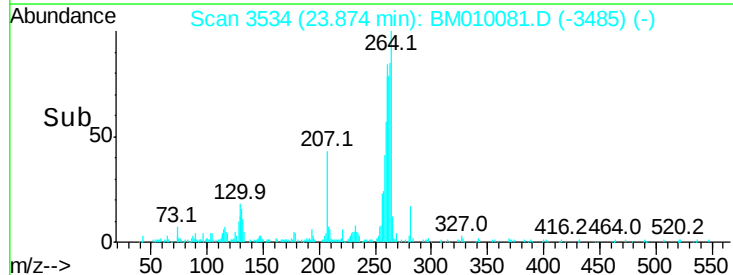
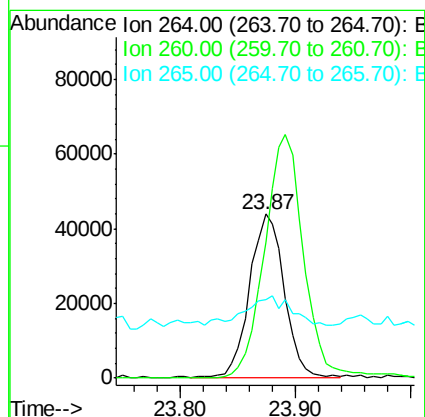
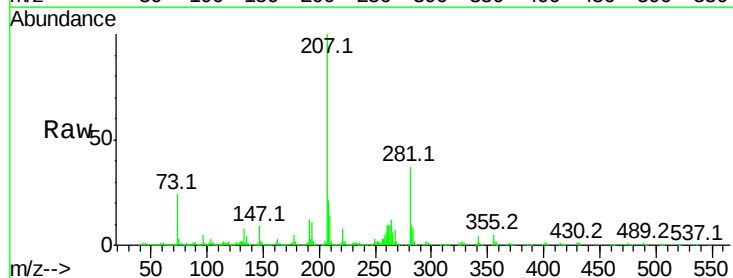
Instrument :
BNA_M
ClientSampleId :

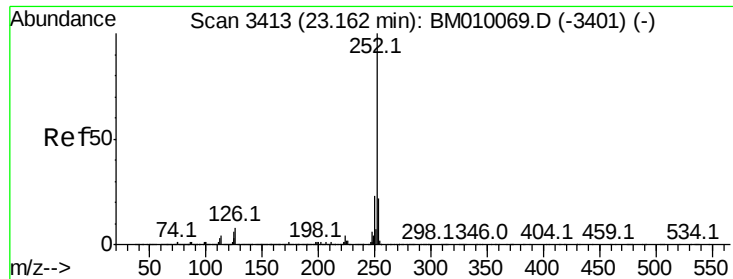
Tot Ion:276 Resp: 23137
Ion Ratio Lower Upper
276 100
138 17.0 0.0 0.0#
277 35.9 0.0 0.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.87 min Scan# 3534
Delta R.T. -0.01 min
Lab File: BM010081.D
Acq: 19 May 2017 22:26

Tgt Ion:264 Resp: 92796
Ion Ratio Lower Upper
264 100
260 83.3 18.6 27.8#
265 47.6 17.3 25.9#





#87

Benzo(b)fluoranthene

Concen: 0.63 ng

RT: 23.16 min Scan# 3413

Delta R.T. -0.00 min

Lab File: BM010081.D

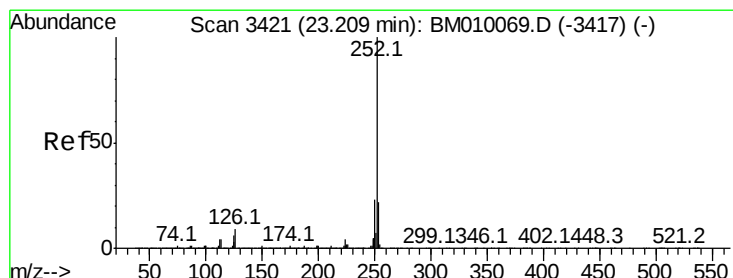
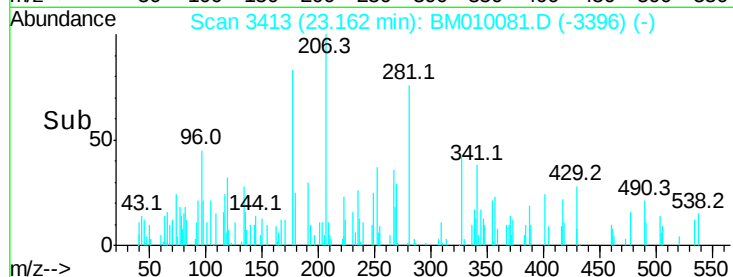
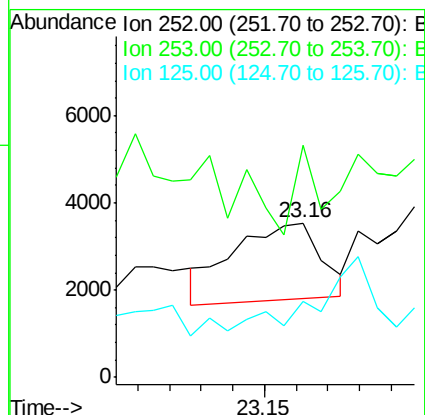
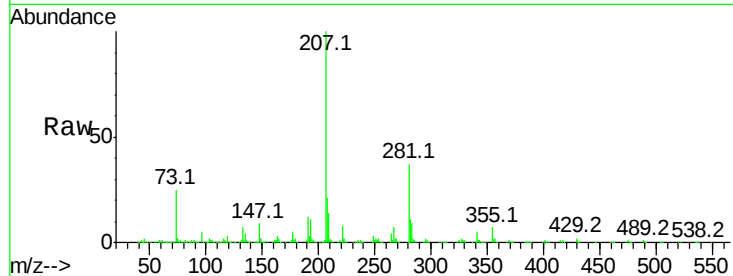
Acq: 19 May 2017 22:26

Instrument :

BNA_M

ClientSampled :

Tot Ion:	252	Resp:	3440
Ion	Ratio	Lower	Upper
252	100		
253	150.4	18.0	27.0#
125	48.9	9.9	14.9#



#88

Benzo(k)fluoranthene

Concen: 0.64 ng

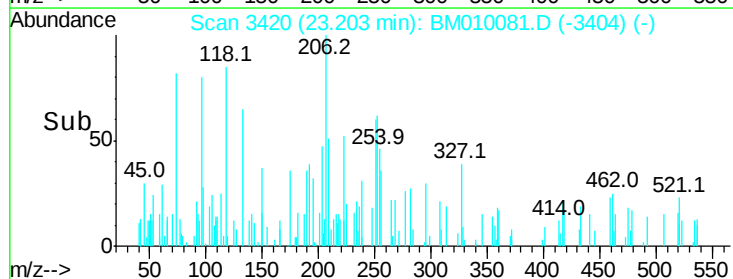
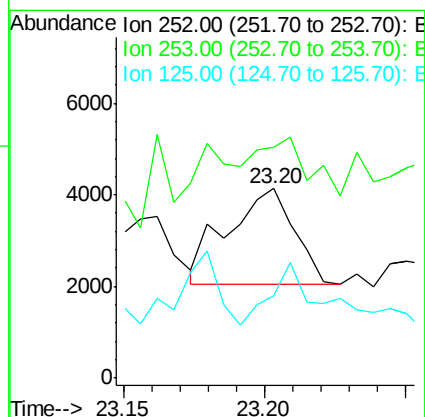
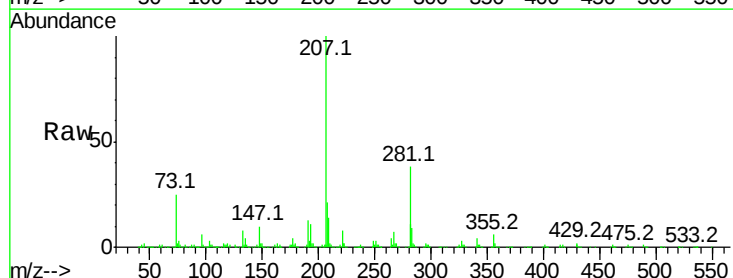
RT: 23.20 min Scan# 3420

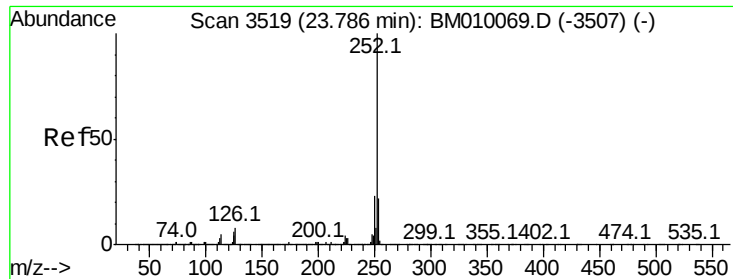
Delta R.T. -0.01 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Tgt Ion:	252	Resp:	3416
Ion	Ratio	Lower	Upper
252	100		
253	121.5	17.2	25.8#
125	43.6	8.1	12.1#





#89

Benzo(a)pyrene

Concen: 3.65 ng

RT: 23.77 min Scan# 3516

Delta R.T. -0.02 min

Lab File: BM010081.D

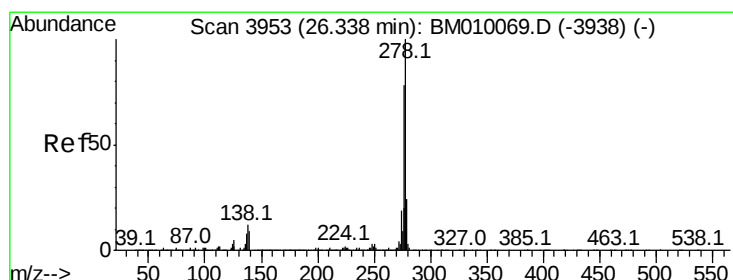
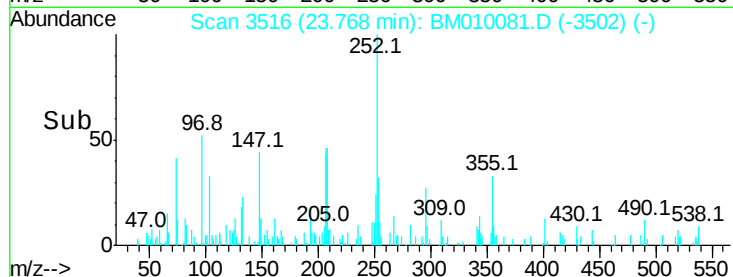
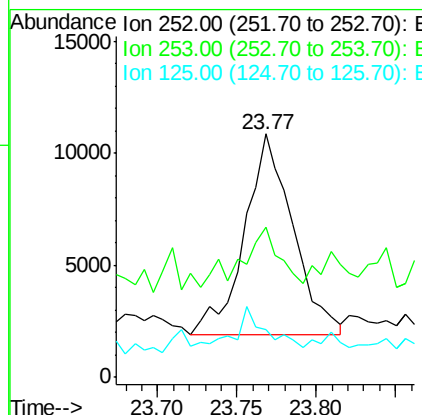
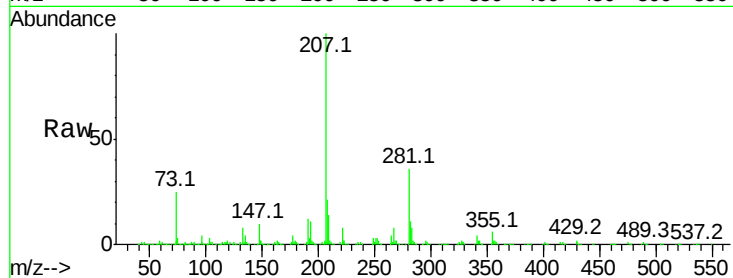
Acq: 19 May 2017 22:26

Instrument :

BNA_M

ClientSampled :

Tot Ion:	252	Resp:	18905
Ion Ratio	Lower	Upper	
252	100		
253	61.8	17.6	26.4#
125	19.5	7.4	11.2#



#90

Dibenzo(a,h)anthracene

Concen: 0.48 ng

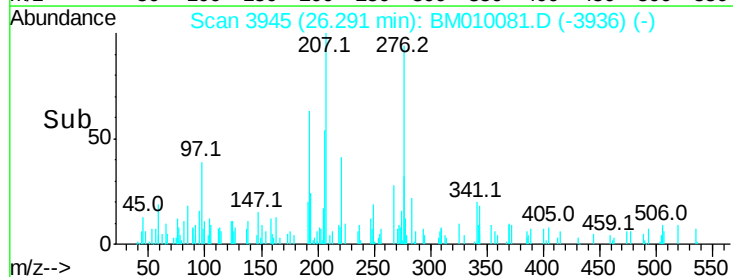
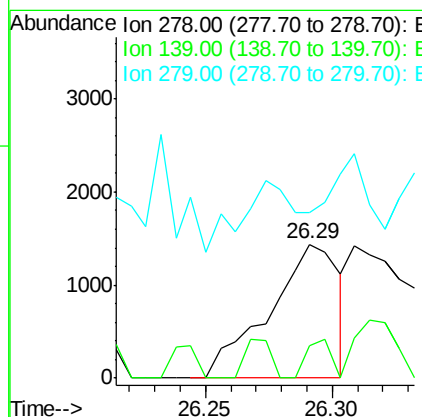
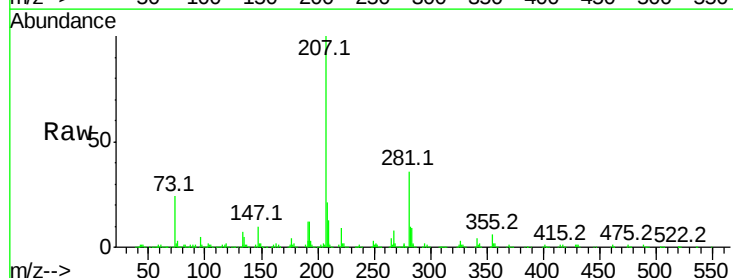
RT: 26.29 min Scan# 3945

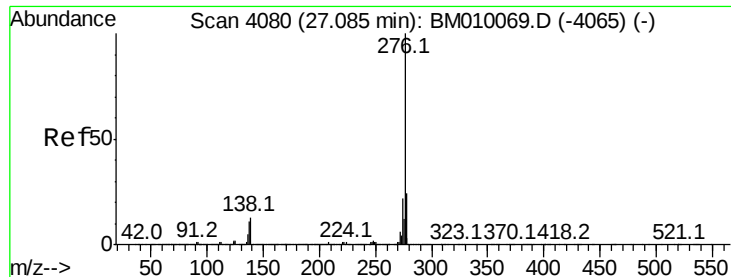
Delta R.T. -0.05 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Tgt Ion:	278	Resp:	2751
Ion Ratio	Lower	Upper	
278	100		
139	24.3	13.4	20.0#
279	123.5	19.0	28.4#





#91

Benzo(a,h,i)perylene

Concen: 4.44 ng

RT: 27.06 min Scan# 4075

Delta R.T. -0.03 min

Lab File: BM010081.D

Acq: 19 May 2017 22:26

Instrument :

BNA_M

ClientSampleId :

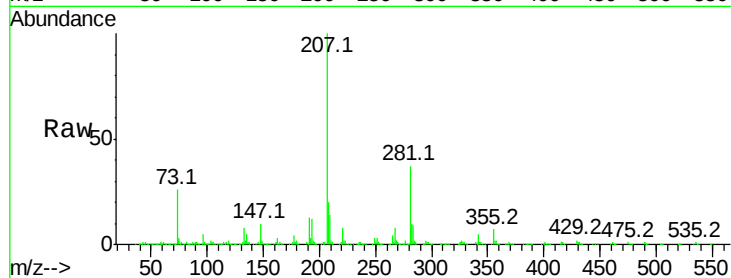
Tot Ion:276 Resp: 25156

Ion Ratio Lower Upper

276 100

277 26.4 18.5 27.7

138 17.3 19.0 28.6#



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

