

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072617\
 Data File : BM010973.D
 Acq On : 26 Jul 2017 16:38
 Operator : SJ/JU
 Sample : I4351-25
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 0536

Quant Time: Jul 26 17:24:36 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM072617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 26 17:01:37 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	221963	20.00	ng	0.00
21) Naphthalene-d8	10.15	136	903216	20.00	ng	0.00
38) Acenaphthene-d10	14.05	164	568425	20.00	ng	0.00
63) Phenanthrene-d10	16.81	188	1528609	20.00	ng	0.00
75) Chrysene-d12	21.03	240	1868184	20.00	ng	0.00
86) Perylene-d12	23.14	264	1567298	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.03	112	1997760	152.15	ng	0.00
7) Phenol-d6	6.60	99	2738782	146.80	ng	0.00
23) Nitrobenzene-d5	8.55	82	2278052	94.66	ng	0.00
41) 2,4,6-Tribromophenol	15.56	330	791737	86.90	ng	0.00
44) 2-Fluorobiphenyl	12.66	172	4778755	105.44	ng	0.00
78) Terphenyl-d14	19.47	244	8331839	88.34	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.33	42	910575	110.960	ng	# 69
11) bis(2-Chloroethyl)ether	6.85	93	1991056	126.107	ng	94
12) 1,3-Dichlorobenzene	7.29	146	2347590	144.497	ng	# 85
14) 1,2-Dichlorobenzene	7.74	146	1541399	96.807	ng	# 92
15) Benzyl Alcohol	7.71	79	40862	2.283	ng	# 49
16) 2,2'-oxybis(1-Chloropropan	7.93	45	996751	70.156	ng	76
18) Hexachloroethane	8.45	117	555886	76.543	ng	# 81
19) n-Nitroso-di-n-propylamine	8.20	70	700078	44.159	ng	91
24) Nitrobenzene	8.59	77	4382452	175.737	ng	# 88
25) Isophorone	9.10	82	3560110	88.725	ng	# 87
30) 1,2,4-Trichlorobenzene	10.02	180	1461398	75.300	ng	98
31) Naphthalene	10.20	128	3862181	84.999	ng	100
34) Hexachlorobutadiene	10.49	225	925074	60.519	ng	98
40) Hexachlorocyclopentadiene	12.19	237	1046135	73.516	ng	99
46) 2-Chloronaphthalene	12.91	162	1306952	36.090	ng	94
48) Acenaphthylene	13.77	152	8002810	148.078	ng	99
49) Dimethylphthalate	13.53	163	2879111	59.209	ng	# 99
56) 2,4-Dinitrotoluene	14.45	165	2636326	190.977	ng	94
57) Fluorene	15.12	166	3506020	74.267	ng	98
59) Diethylphthalate	14.91	149	4214523	84.866	ng	99
61) 4-Nitroaniline	15.11	138	45572	5.028	ng	# 34
62) Azobenzene	15.34	77	654792	12.320	ng	# 8
65) n-Nitrosodiphenylamine	15.34	169	4774973	109.151	ng	99
67) Hexachlorobenzene	16.12	284	3101357	139.666	ng	# 88
71) Anthracene	16.94	178	10375761	129.979	ng	99
73) Di-n-butylphthalate	17.81	149	10054255	118.266	ng	# 96
77) Pyrene	19.25	202	13262388	119.475	ng	# 90
80) Benzo(a)anthracene	21.02	228	9488765	88.953	ng	100
82) Chrysene	21.02	228	9478259	92.566	ng	96
83) Bis(2-ethylhexyl)phthalate	20.97	149	1263915	21.765	ng	# 99
84) Di-n-octyl phthalate	21.83	149	4888555	51.869	ng	99
85) Indeno(1,2,3-cd)pyrene	25.23	276	8461231	79.788	ng	# 100
87) Benzo(b)fluoranthene	22.52	252	6951425	69.105	ng	# 92
88) Benzo(k)fluoranthene	22.57	252	16473109	170.861	ng	# 91

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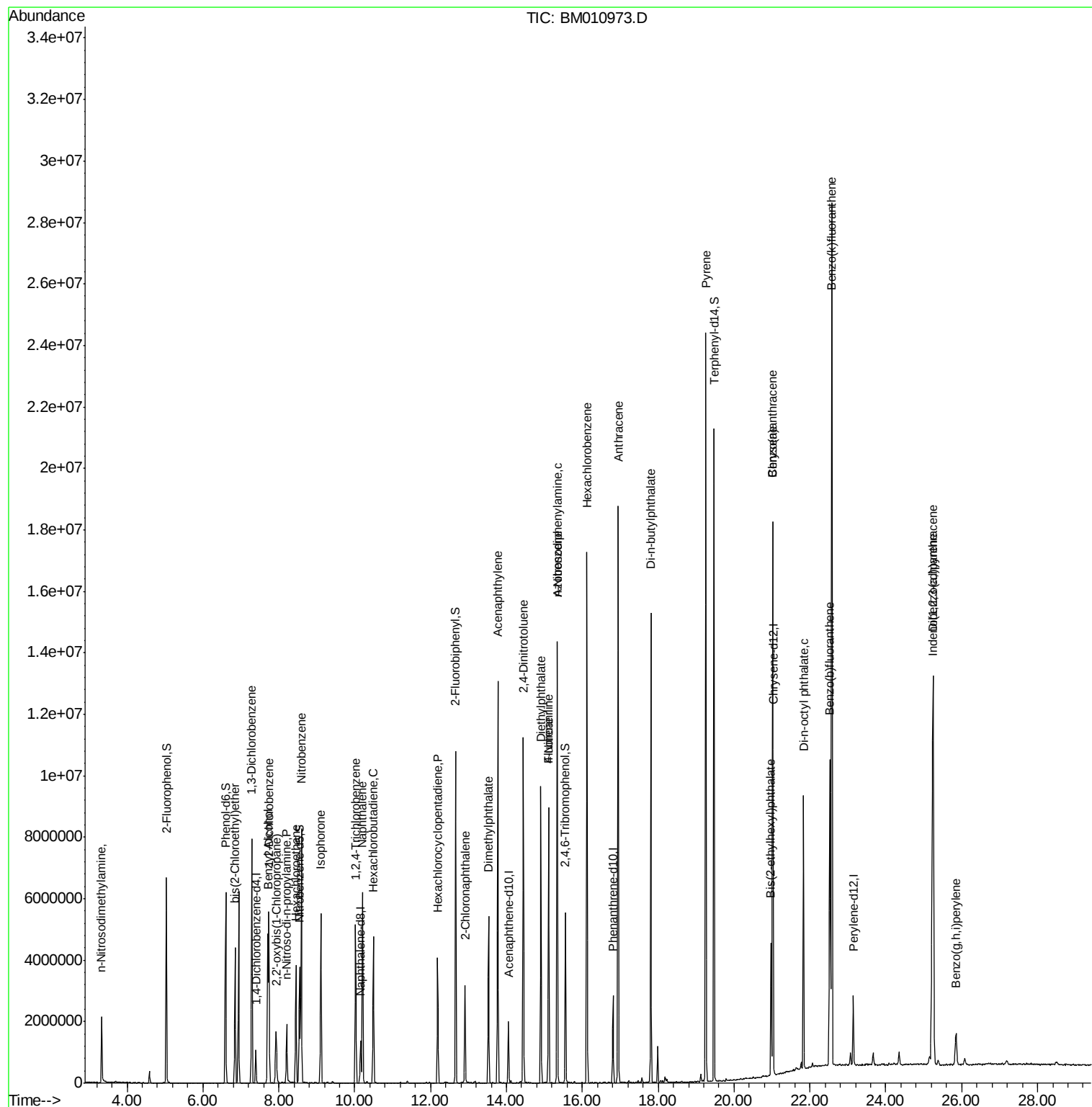
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	25.25	278	9689155	114.827	ng	# 92
91) Benzo(g,h,i)perylene	25.85	276	1284669	15.505	ng	# 86

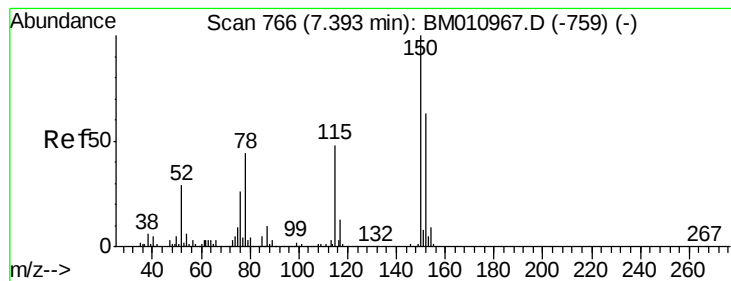
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.39 min Scan# 766

Delta R.T. 0.00 min

Lab File: BM010973.D

Acq: 26 Jul 2017 16:38

Instrument :

BNA_M

ClientSampled :

0536

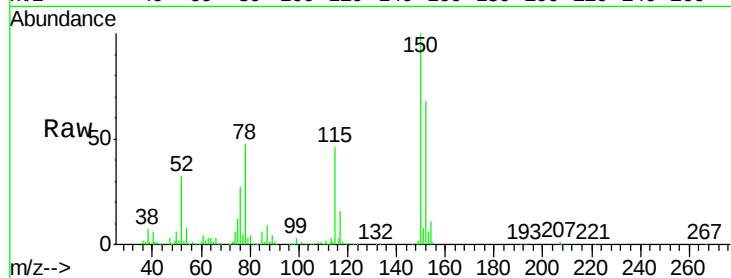
Tgt Ion:152 Resp: 221963

Ion Ratio Lower Upper

152 100

150 147.0 119.5 179.3

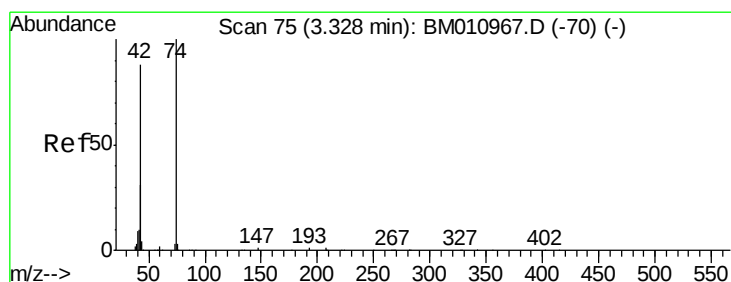
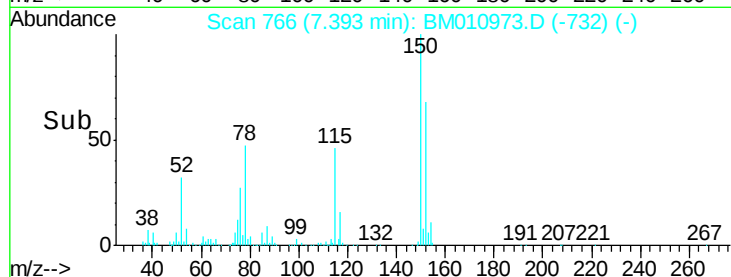
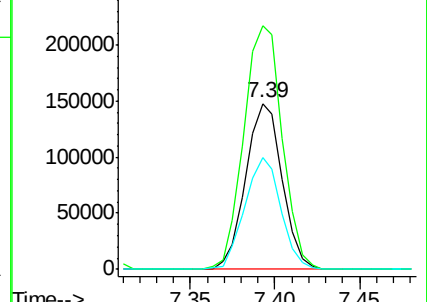
115 67.8 43.0 64.4#



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



#4

n-Nitrosodimethylamine

Concen: 110.960 ng

RT: 3.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: BM010973.D

Acq: 26 Jul 2017 16:38

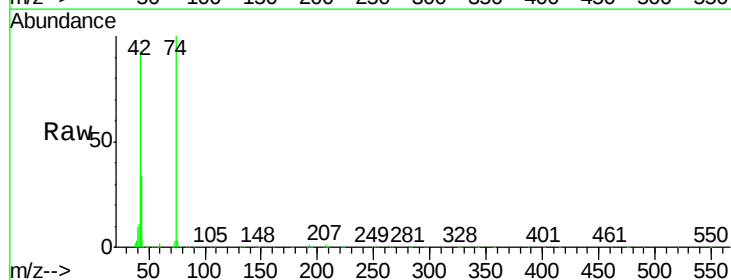
Tgt Ion: 42 Resp: 910575

Ion Ratio Lower Upper

42 100

74 107.9 119.3 178.9#

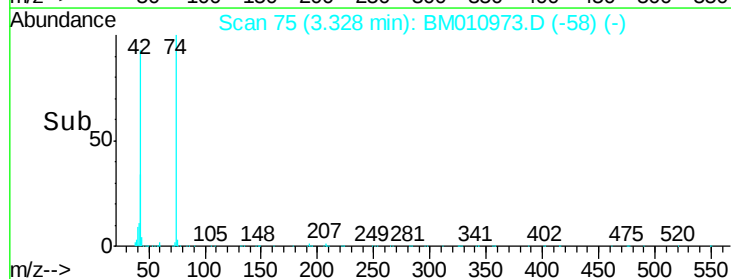
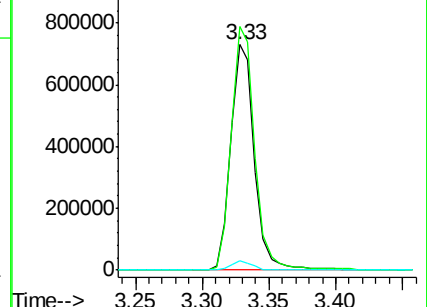
44 4.0 5.4 8.2#

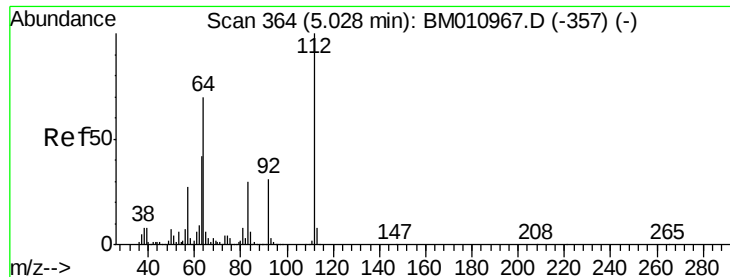


Abundance Ion 42.00 (41.70 to 42.70): BM0

Ion 74.00 (73.70 to 74.70): BM0

Ion 44.00 (43.70 to 44.70): BM0





#5

2-Fluorophenol

Concen: 152.147 ng

RT: 5.03 min Scan# 365

Delta R.T. 0.01 min

Lab File: BM010973.D

Acq: 26 Jul 2017 16:38

Instrument :

BNA_M

ClientSampleId :

0536

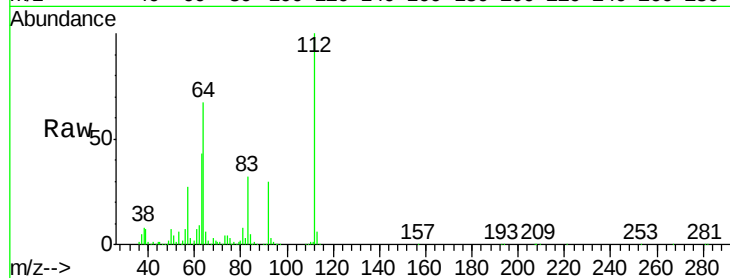
Tgt Ion: 112 Resp: 1997760

Ion Ratio Lower Upper

112 100

64 67.0 38.6 57.8#

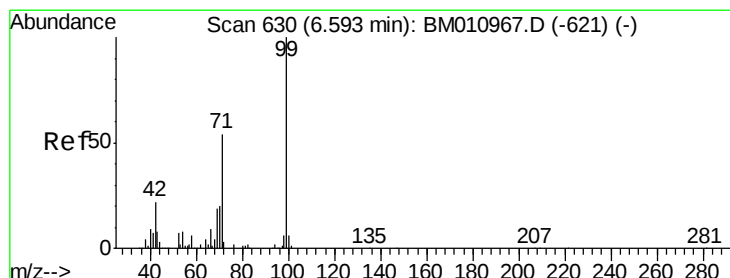
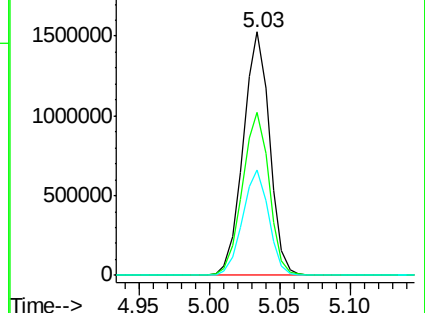
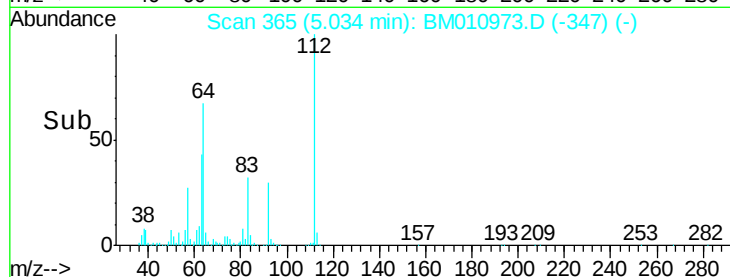
63 43.3 19.3 28.9#



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



#7

Phenol-d6

Concen: 146.804 ng

RT: 6.60 min Scan# 631

Delta R.T. 0.01 min

Lab File: BM010973.D

Acq: 26 Jul 2017 16:38

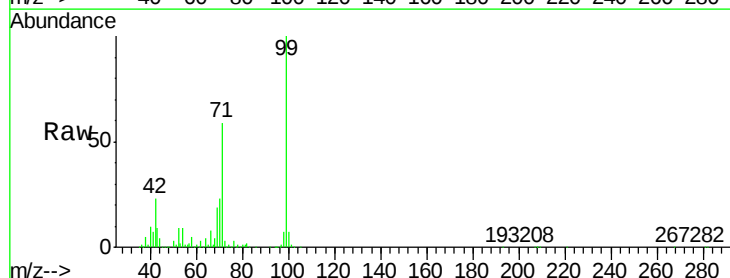
Tgt Ion: 99 Resp: 2738782

Ion Ratio Lower Upper

99 100

42 23.1 11.0 16.4#

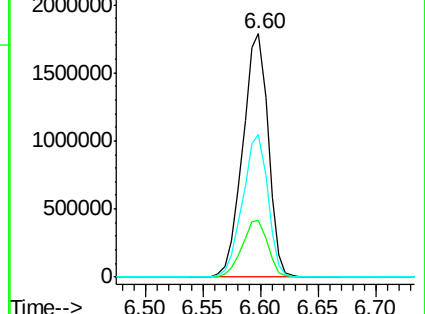
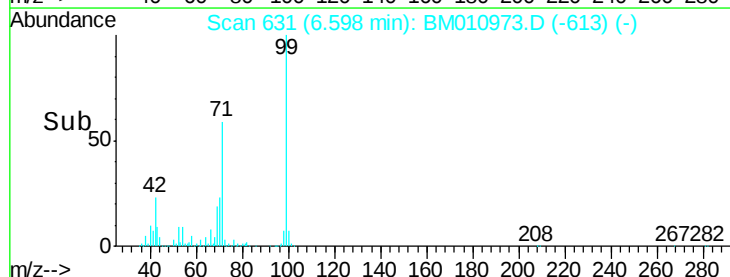
71 58.5 23.4 35.2#

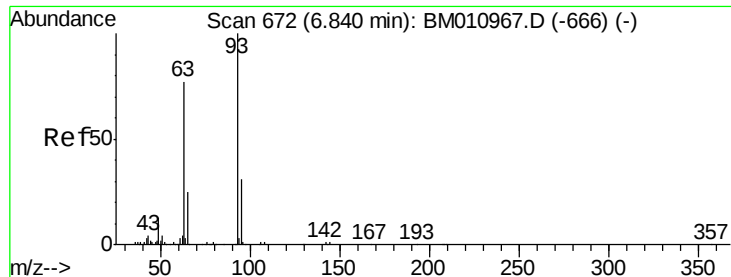


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B

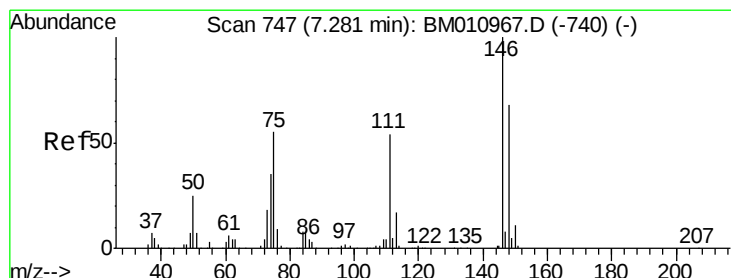
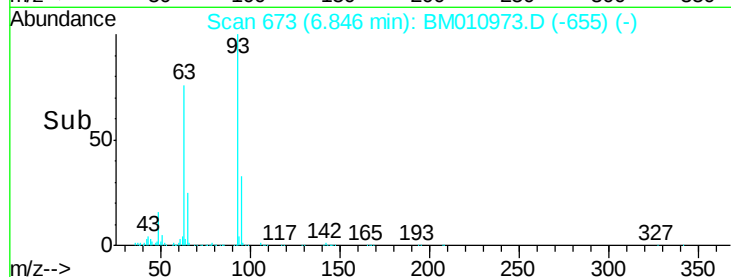
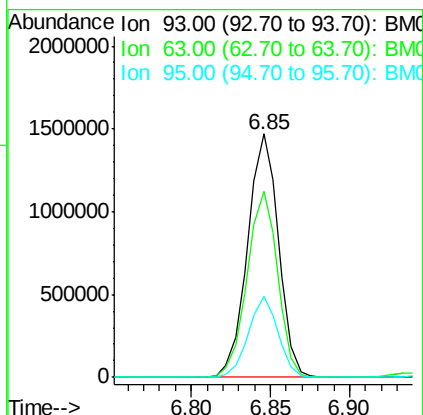
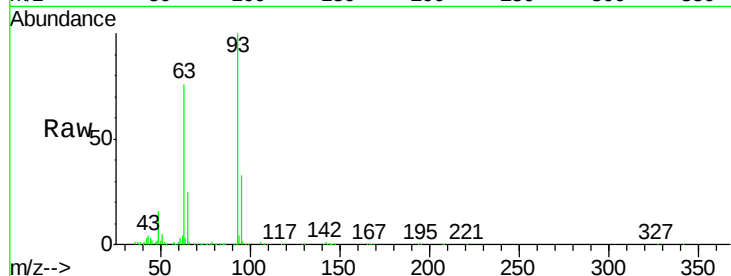




#11
bis(2-Chloroethyl)ether
Concen: 126.107 ng
RT: 6.85 min Scan# 673
Delta R.T. 0.01 min
Lab File: BM010973.D
Acq: 26 Jul 2017 16:38

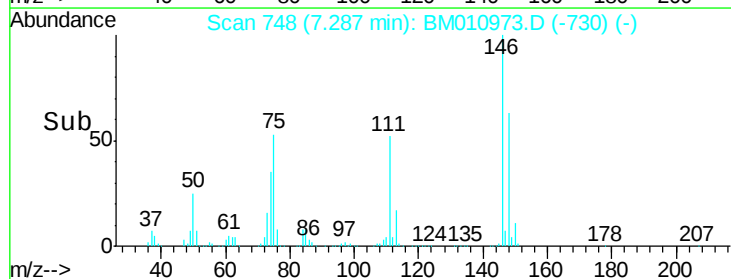
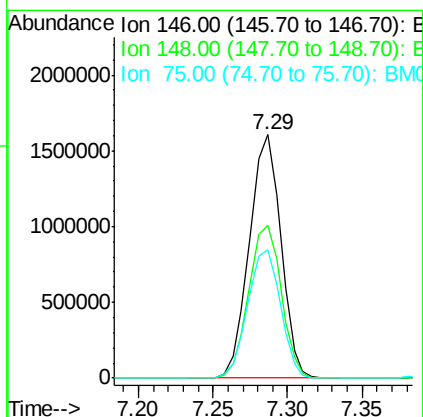
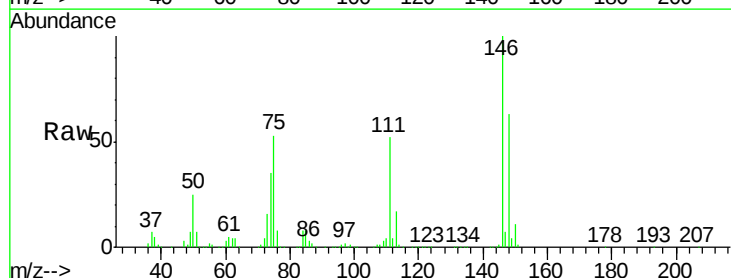
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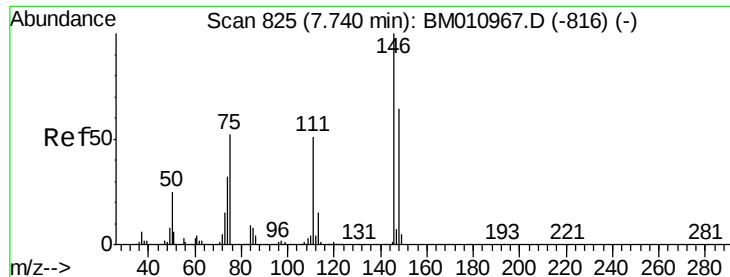
Tgt Ion: 93 Resp: 1991056
Ion Ratio Lower Upper
93 100
63 76.3 49.5 89.5
95 33.1 13.5 53.5



#12
1,3-Dichlorobenzene
Concen: 144.497 ng
RT: 7.29 min Scan# 748
Delta R.T. 0.01 min
Lab File: BM010973.D
Acq: 26 Jul 2017 16:38

Tgt Ion: 146 Resp: 2347590
Ion Ratio Lower Upper
146 100
148 63.0 50.9 76.3
75 52.7 21.4 32.2#

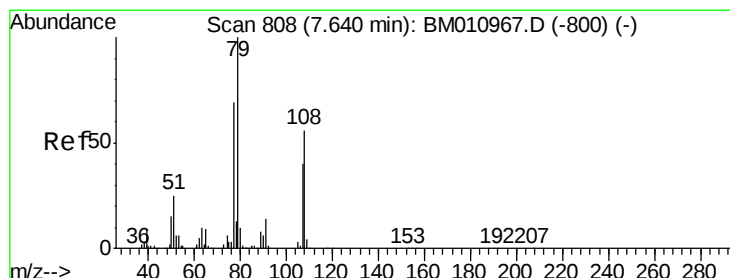
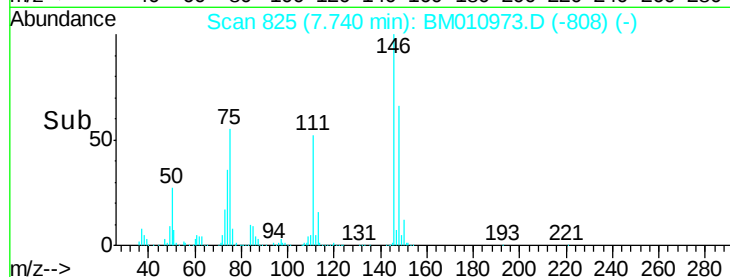
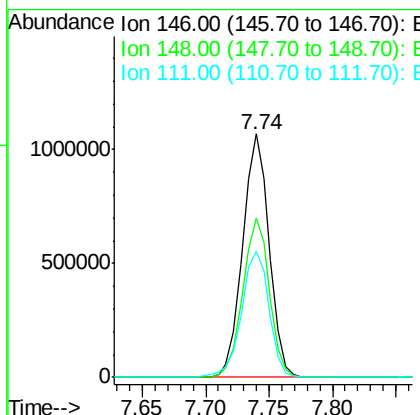
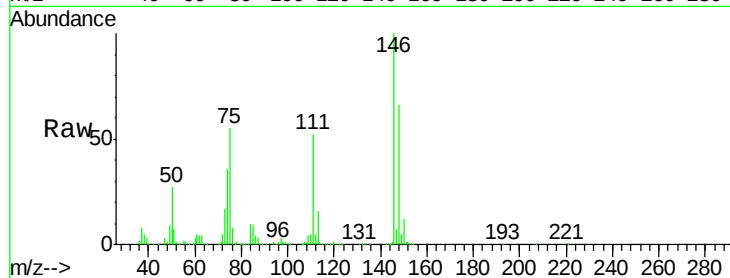




#14
1,2-Dichlorobenzene
Concen: 96.807 ng
RT: 7.74 min Scan# 825
Delta R.T. 0.00 min
Lab File: BM010973.D
Acq: 26 Jul 2017 16:38

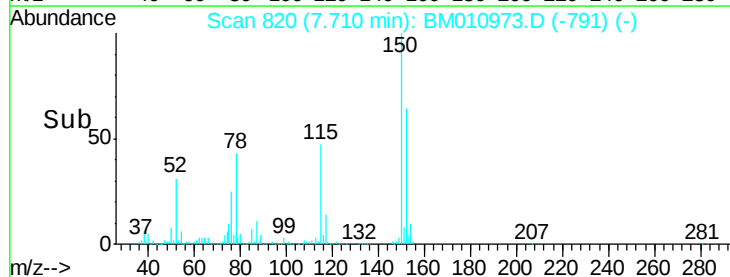
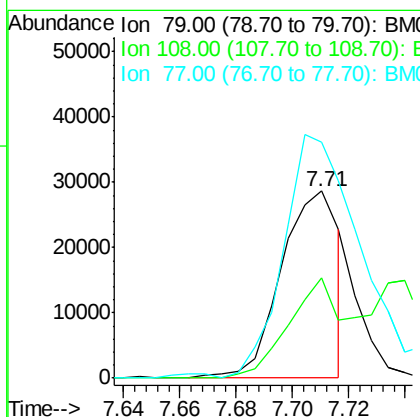
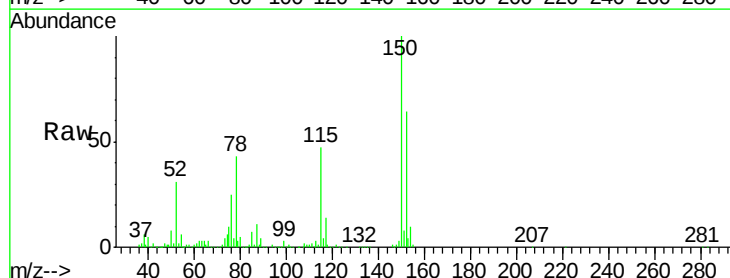
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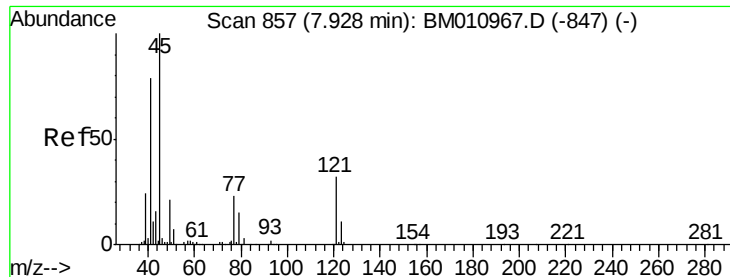
Tgt Ion:146 Resp: 1541399
Ion Ratio Lower Upper
146 100
148 65.6 52.3 78.5
111 51.8 30.6 45.8#



#15
Benzyl Alcohol
Concen: 2.283 ng
RT: 7.71 min Scan# 820
Delta R.T. 0.07 min
Lab File: BM010973.D
Acq: 26 Jul 2017 16:38

Tgt Ion: 79 Resp: 40862
Ion Ratio Lower Upper
79 100
108 53.4 65.0 97.4#
77 126.5 53.0 79.6#

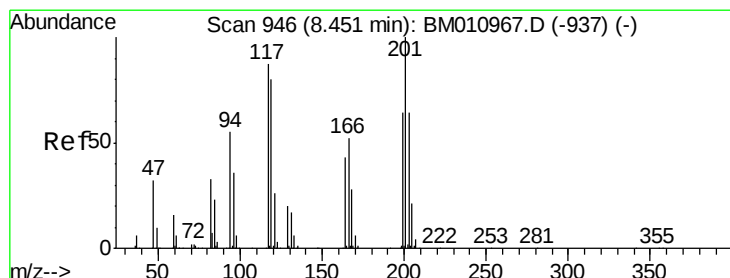
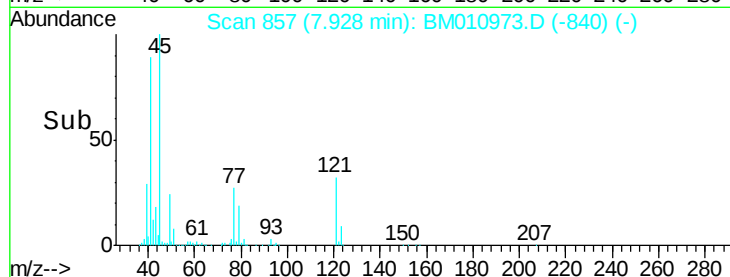
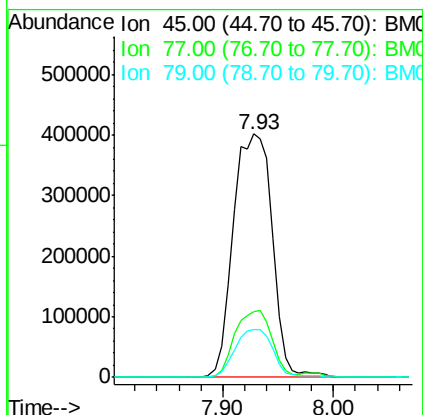
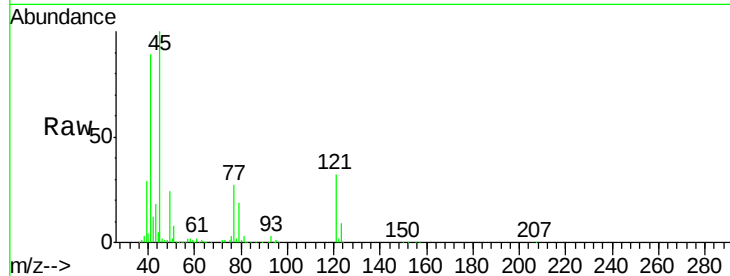




#16
 2,2'-oxybis(1-chloropropane)
 Concen: 70.156 ng
 RT: 7.93 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: BM010973.D
 Acq: 26 Jul 2017 16:38

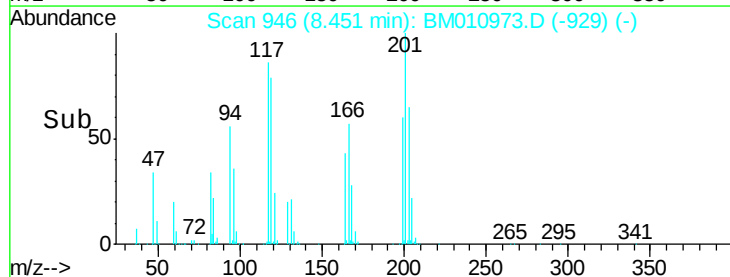
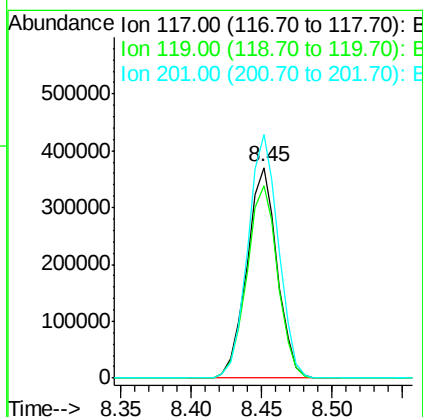
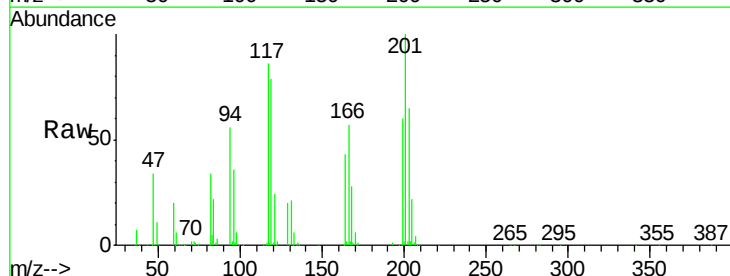
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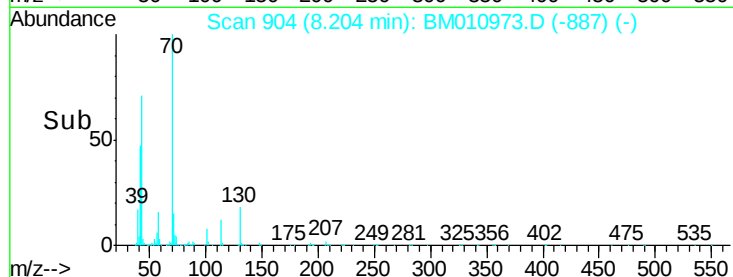
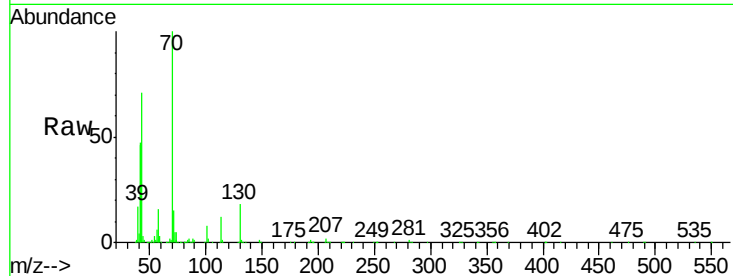
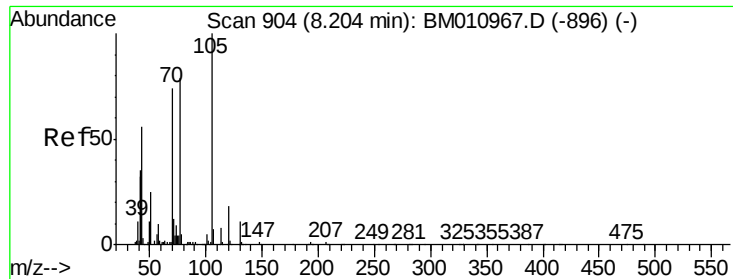
Tgt Ion: 45 Resp: 996751
 Ion Ratio Lower Upper
 45 100
 77 26.8 0.0 35.2
 79 19.4 0.0 32.0



#18
 Hexachloroethane
 Concen: 76.543 ng
 RT: 8.45 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: BM010973.D
 Acq: 26 Jul 2017 16:38

Tgt Ion: 117 Resp: 555886
 Ion Ratio Lower Upper
 117 100
 119 91.4 79.2 118.8
 201 115.7 69.8 104.6#

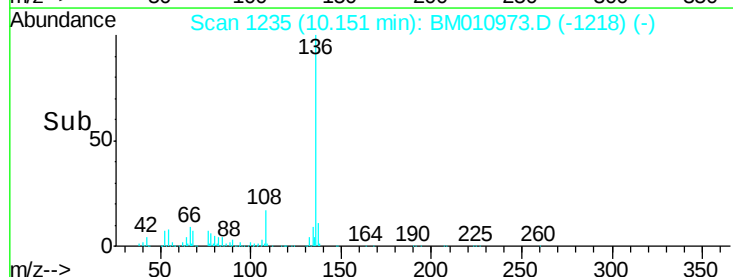
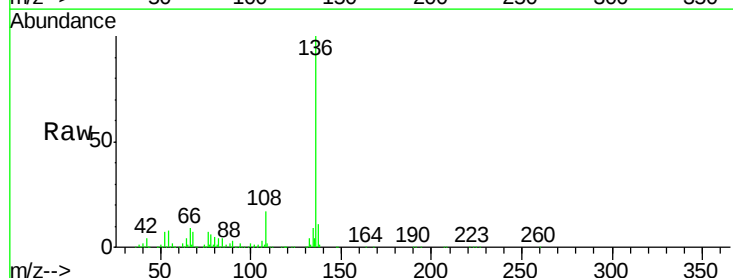
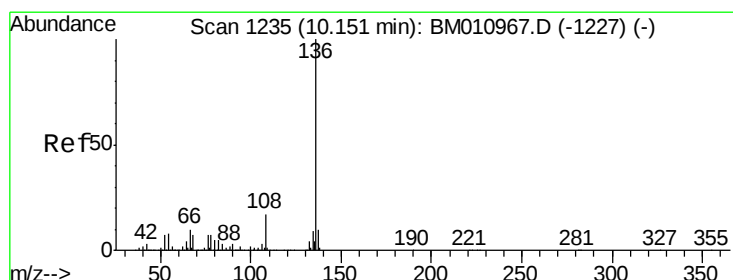
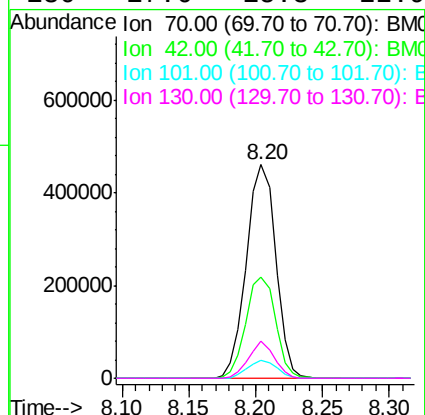




#19
n-Nitroso-di-n-propylamine
Concen: 44.159 ng
RT: 8.20 min Scan# 904
Delta R.T. 0.00 min
Lab File: BM010973.D
Acq: 26 Jul 2017 16:38

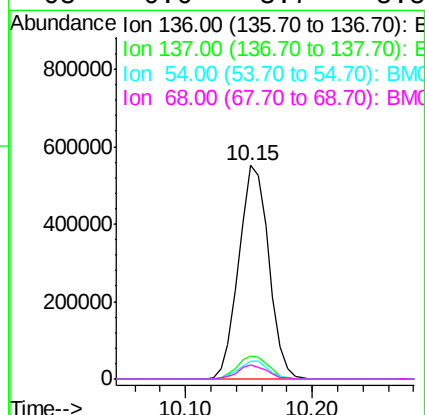
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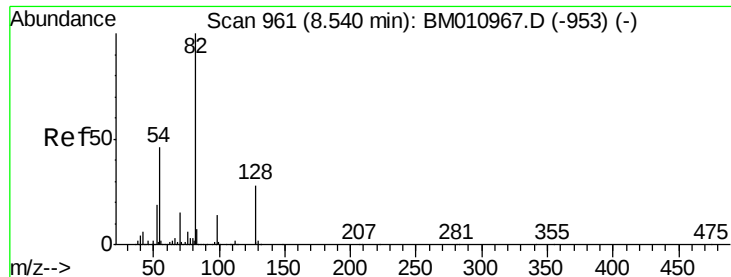
Tgt Ion:	70	Resp:	700078
Ion	Ratio	Lower	Upper
70	100		
42	47.3	44.5	66.7
101	8.2	7.4	11.2
130	17.6	15.3	22.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.15 min Scan# 1235
Delta R.T. 0.00 min
Lab File: BM010973.D
Acq: 26 Jul 2017 16:38

Tgt Ion:	136	Resp:	903216
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	8.1	4.6	6.8#
68	6.6	3.7	5.5#

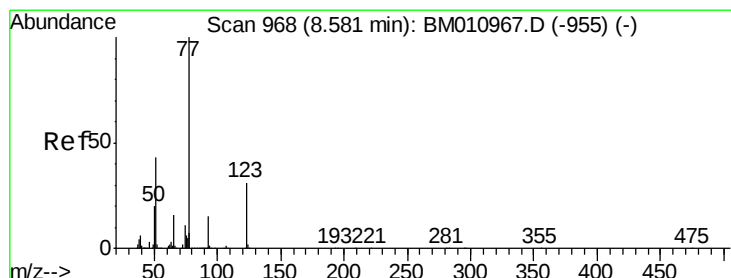
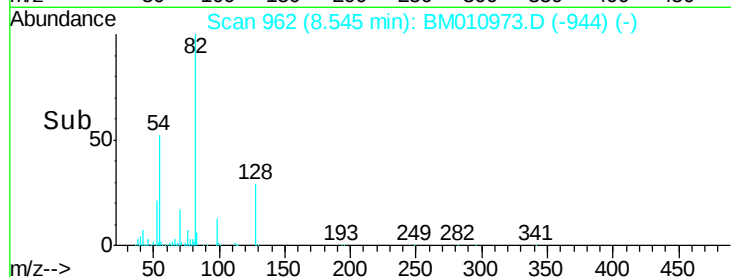
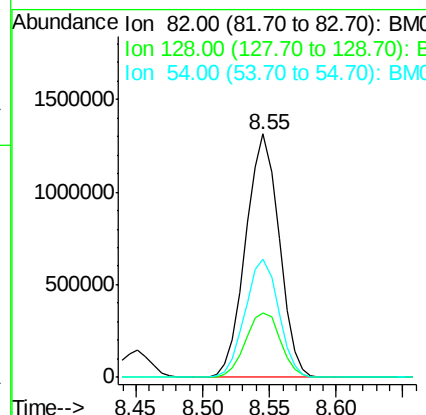
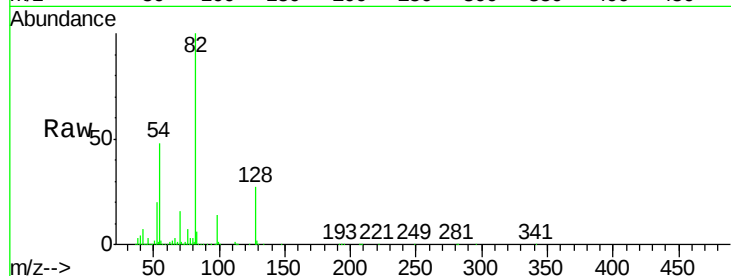




#23
 Nitrobenzene-d5
 Concen: 94.661 ng
 RT: 8.55 min Scan# 962
 Delta R.T. 0.01 min
 Lab File: BM010973.D
 Acq: 26 Jul 2017 16:38

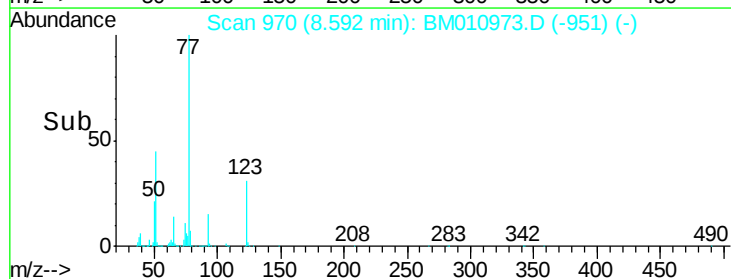
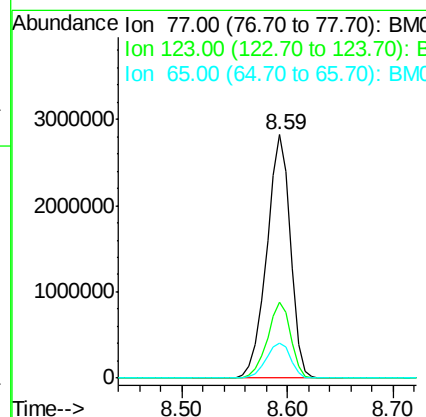
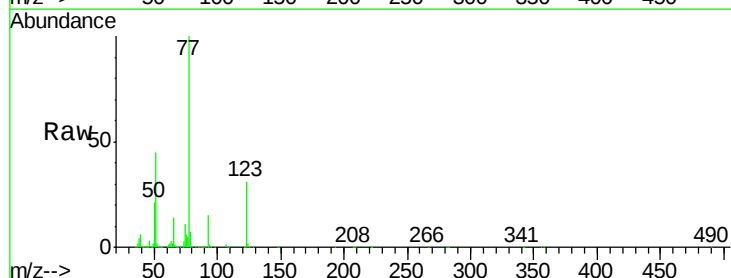
Instrument :
 BNA_M
 ClientSampleId :
 0536

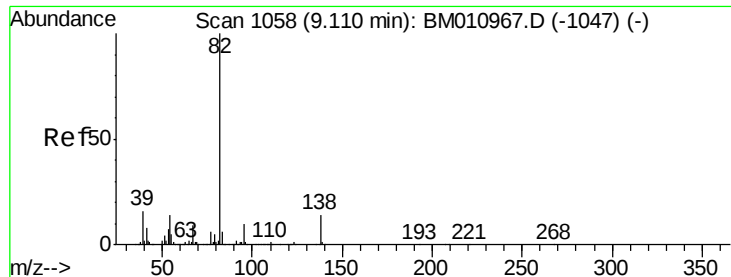
Tgt Ion: 82 Resp: 2278052
 Ion Ratio Lower Upper
 82 100
 128 26.7 32.8 49.2#
 54 48.3 40.6 60.8



#24
 Nitrobenzene
 Concen: 175.737 ng
 RT: 8.59 min Scan# 970
 Delta R.T. 0.01 min
 Lab File: BM010973.D
 Acq: 26 Jul 2017 16:38

Tgt Ion: 77 Resp: 4382452
 Ion Ratio Lower Upper
 77 100
 123 31.0 32.6 49.0#
 65 14.4 10.9 16.3

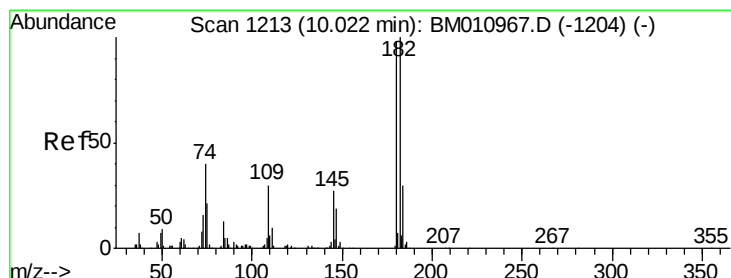
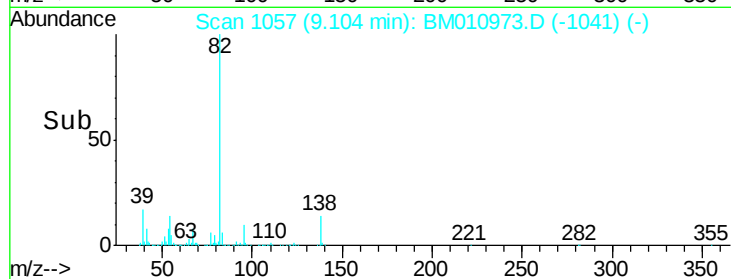
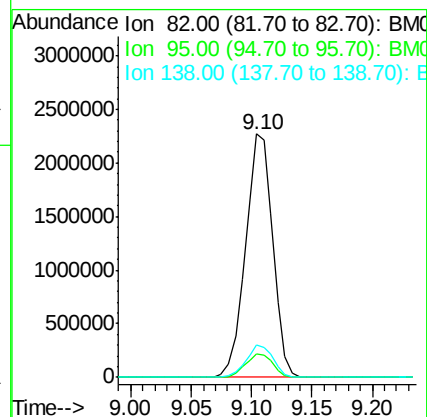
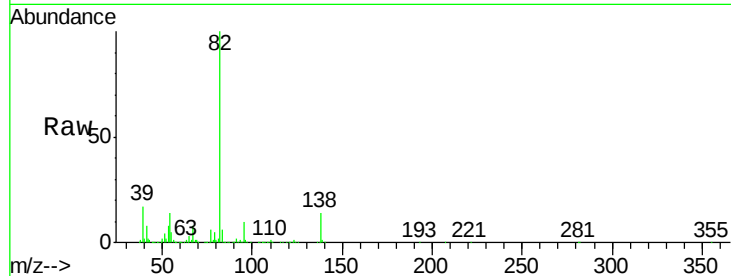




#25
Isophorone
Concen: 88.725 ng
RT: 9.10 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BM010973.D
Acq: 26 Jul 2017 16:38

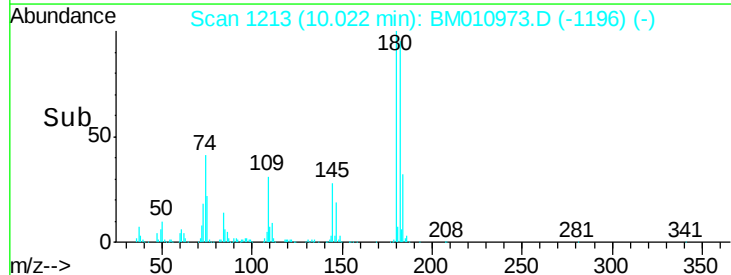
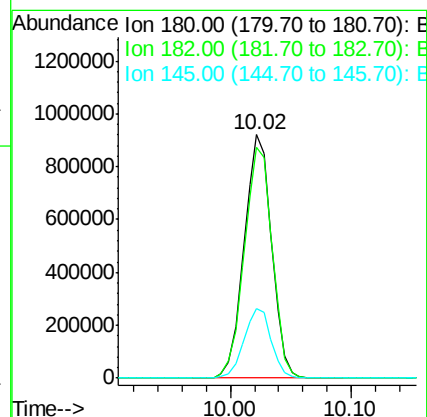
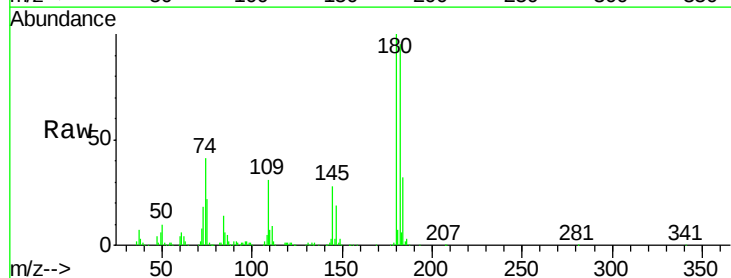
Instrument :
BNA_M
ClientSampleId :
0536

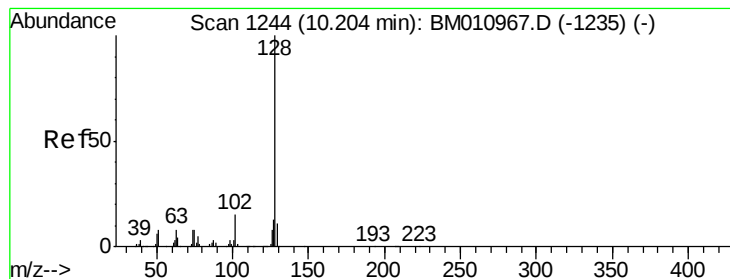
Tgt Ion: 82 Resp: 3560110
Ion Ratio Lower Upper
82 100
95 9.7 5.8 8.6#
138 13.5 16.3 24.5#



#30
1,2,4-Trichlorobenzene
Concen: 75.300 ng
RT: 10.02 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BM010973.D
Acq: 26 Jul 2017 16:38

Tgt Ion: 180 Resp: 1461398
Ion Ratio Lower Upper
180 100
182 95.0 77.6 116.4
145 28.3 23.4 35.2

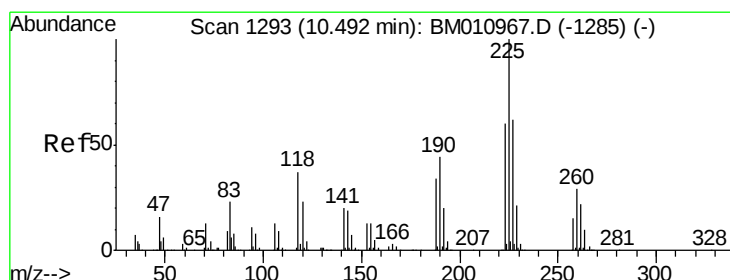
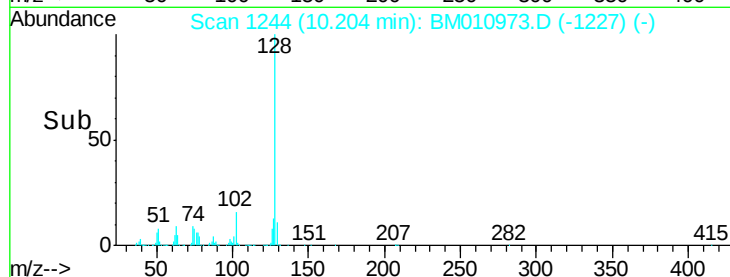
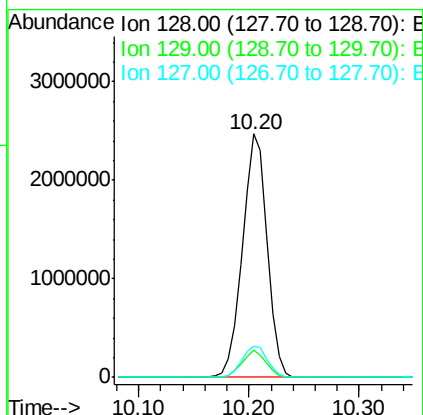
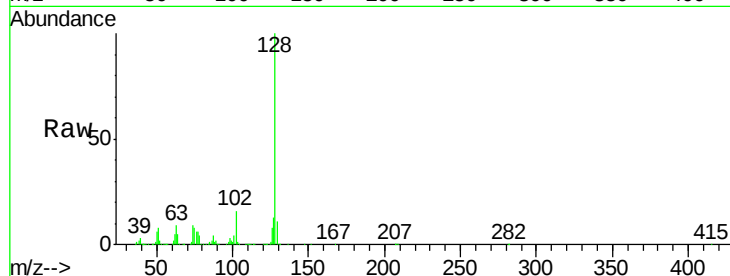




#31
Naphthalene
Concen: 84.999 ng
RT: 10.20 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BM010973.D
Acq: 26 Jul 2017 16:38

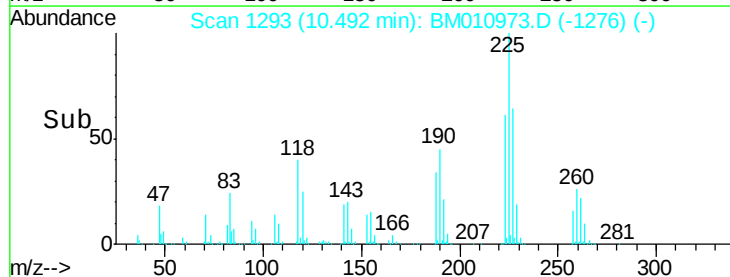
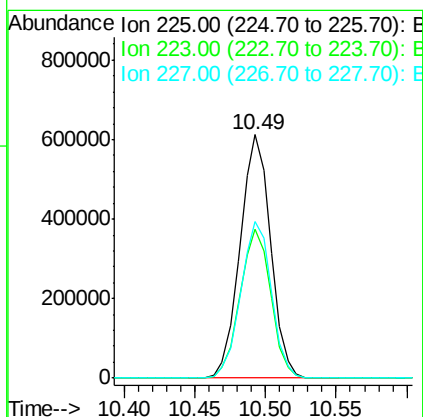
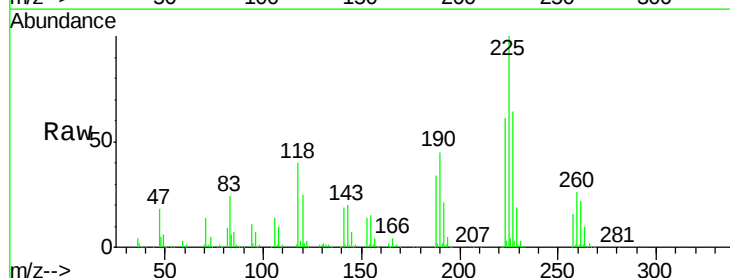
Instrument :
BNA_M
ClientSampleId :
0536

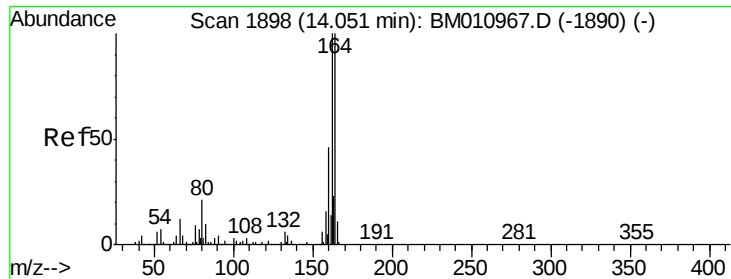
Tgt Ion:128 Resp: 3862181
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 12.9 10.4 15.6



#34
Hexachlorobutadiene
Concen: 60.519 ng
RT: 10.49 min Scan# 1293
Delta R.T. 0.00 min
Lab File: BM010973.D
Acq: 26 Jul 2017 16:38

Tgt Ion:225 Resp: 925074
Ion Ratio Lower Upper
225 100
223 61.1 47.9 71.9
227 64.3 50.1 75.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.05 min Scan# 1898

Delta R.T. 0.00 min

Lab File: BM010973.D

Acq: 26 Jul 2017 16:38

Instrument :

BNA_M

ClientSampled :

0536

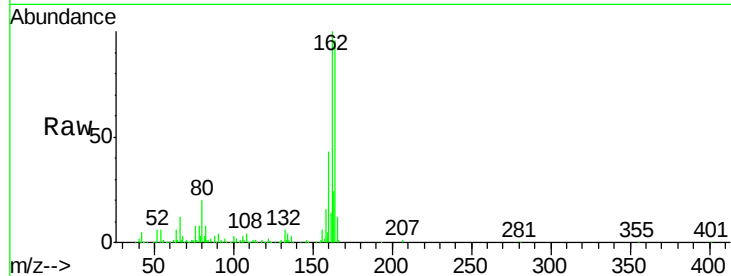
Tgt Ion:164 Resp: 568425

Ion Ratio Lower Upper

164 100

162 104.6 82.4 123.6

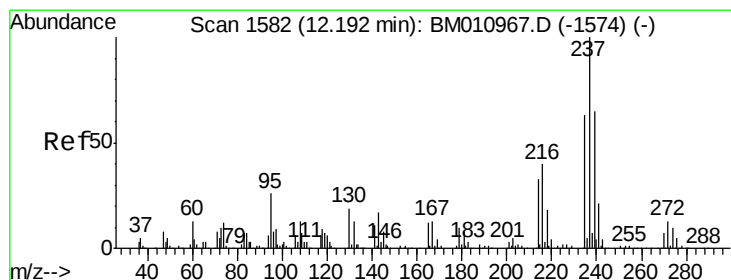
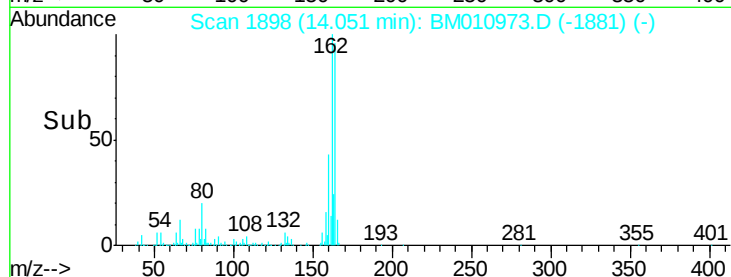
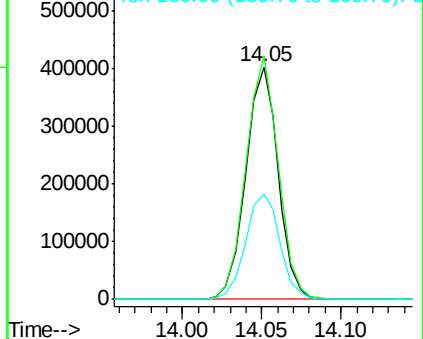
160 45.3 35.8 53.6



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

Hexachlorocyclopentadiene

Concen: 73.516 ng

RT: 12.19 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BM010973.D

Acq: 26 Jul 2017 16:38

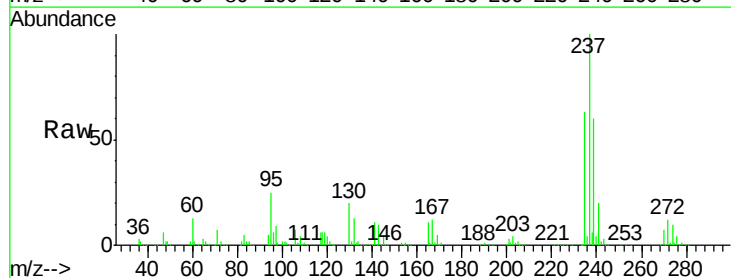
Tgt Ion:237 Resp: 1046135

Ion Ratio Lower Upper

237 100

235 62.9 42.0 82.0

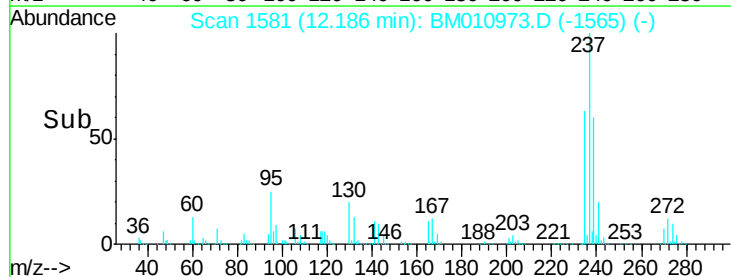
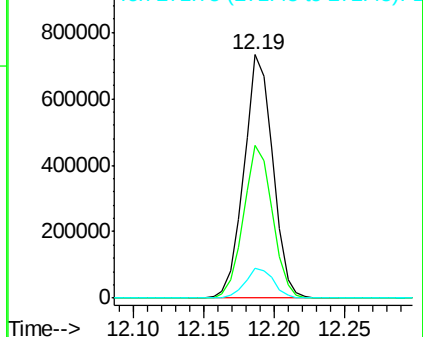
272 12.3 0.0 33.4

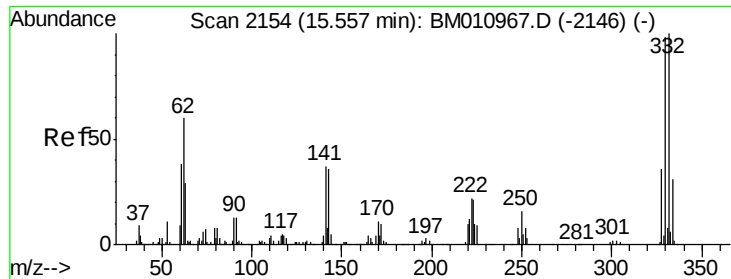


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

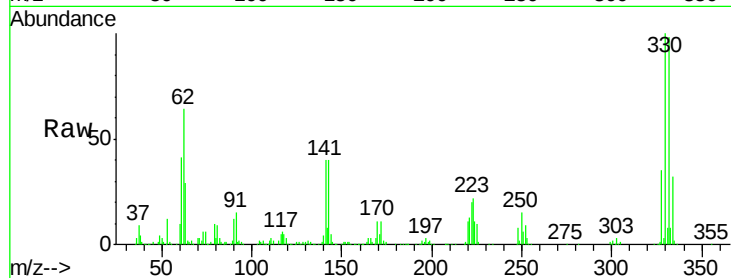




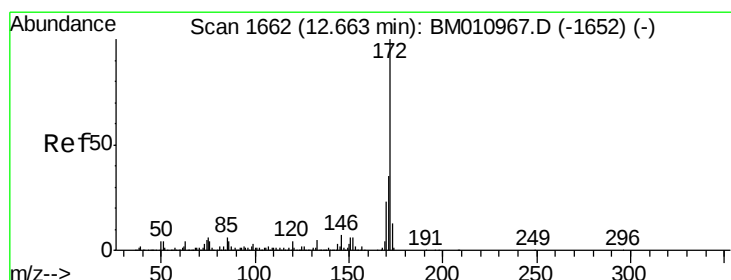
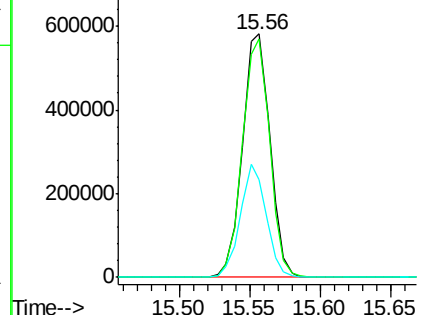
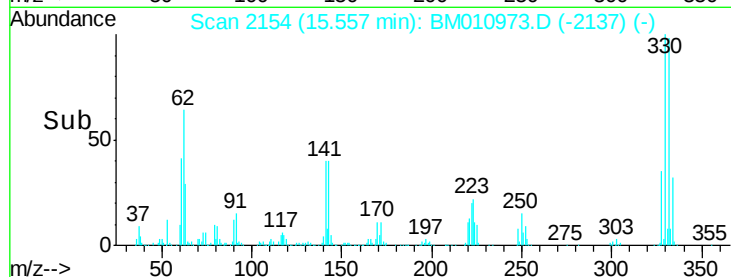
#41
 2,4,6-Tribromophenol
 Concen: 86.902 ng
 RT: 15.56 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: BM010973.D
 Acq: 26 Jul 2017 16:38

Instrument :
 BNA_M
 ClientSampleId :
 0536

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	0.0	0.0#
141	43.6	0.0	0.0#

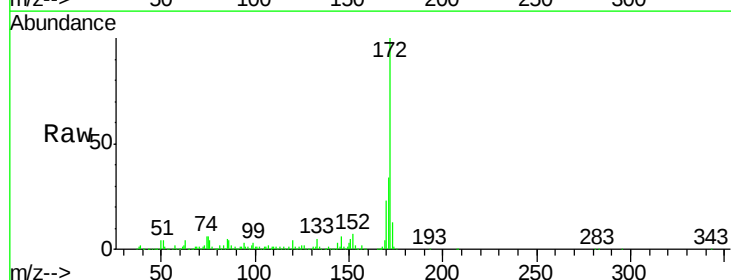


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

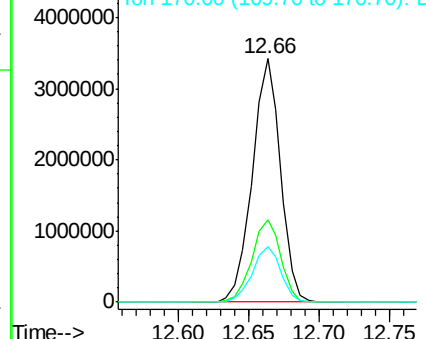
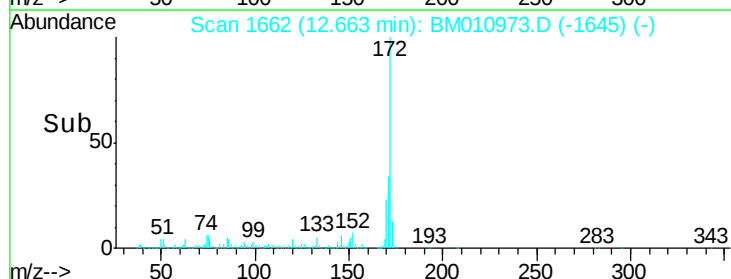


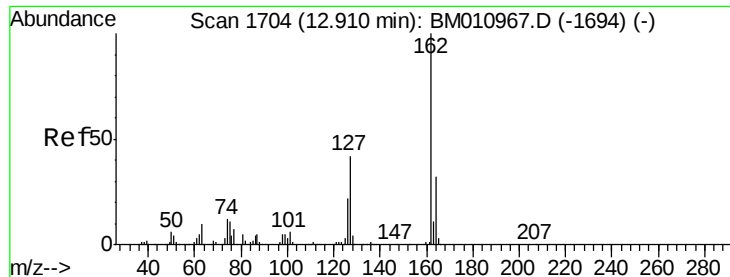
#44
 2-Fluorobiphenyl
 Concen: 105.435 ng
 RT: 12.66 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: BM010973.D
 Acq: 26 Jul 2017 16:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	28.5	42.7
170	22.9	18.8	28.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

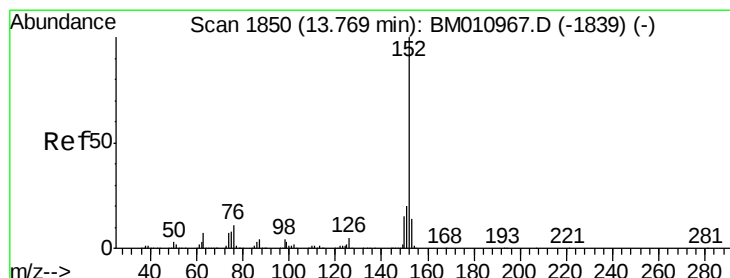
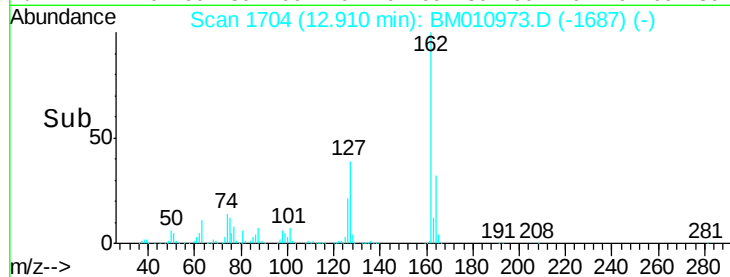
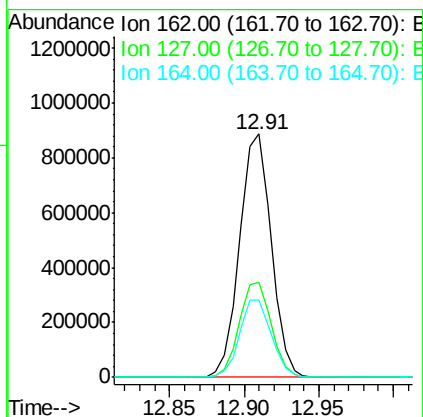
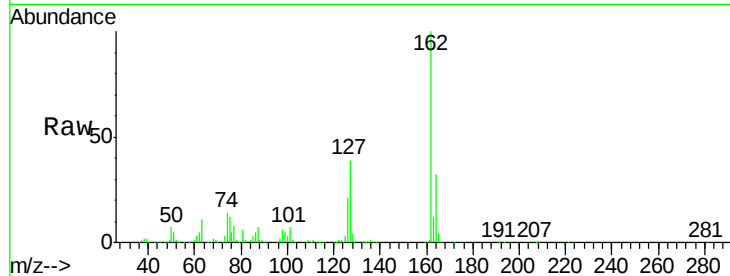




#46
 2-Chloronaphthalene
 Concen: 36.090 ng
 RT: 12.91 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: BM010973.D
 Acq: 26 Jul 2017 16:38

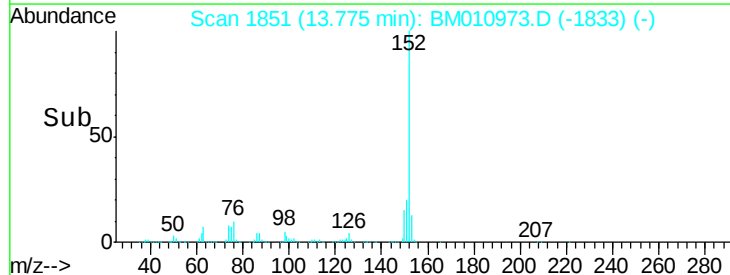
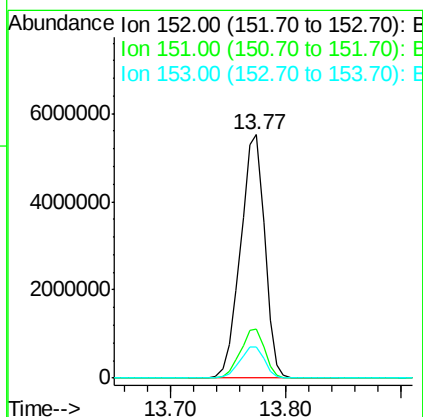
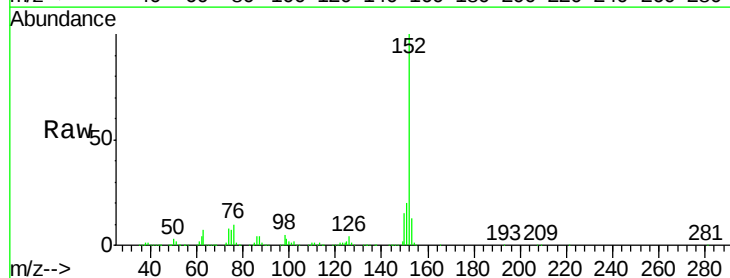
Instrument :
 BNA_M
 ClientSampleId :
 0536

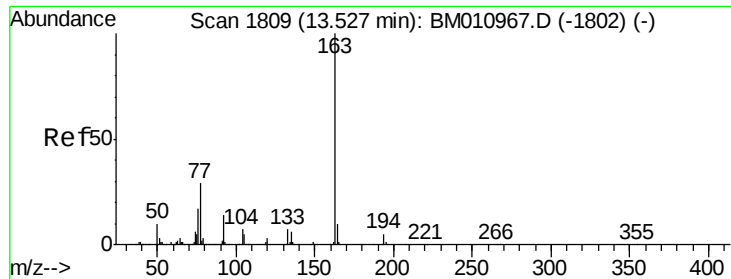
Tgt Ion:162 Resp: 1306952
 Ion Ratio Lower Upper
 162 100
 127 38.9 26.9 40.3
 164 31.8 26.8 40.2



#48
 Acenaphthylene
 Concen: 148.078 ng
 RT: 13.77 min Scan# 1851
 Delta R.T. 0.01 min
 Lab File: BM010973.D
 Acq: 26 Jul 2017 16:38

Tgt Ion:152 Resp: 8002810
 Ion Ratio Lower Upper
 152 100
 151 20.0 15.9 23.9
 153 12.6 10.6 16.0





#49

Dimethylphthalate

Concen: 59.209 ng

RT: 13.53 min Scan# 1809

Delta R.T. 0.00 min

Lab File: BM010973.D

Acq: 26 Jul 2017 16:38

Instrument :

BNA_M

ClientSampleId :

0536

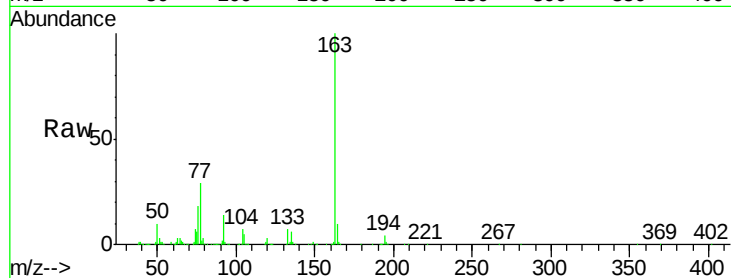
Tgt Ion:163 Resp: 2879111

Ion Ratio Lower Upper

163 100

194 4.3 2.7 4.1#

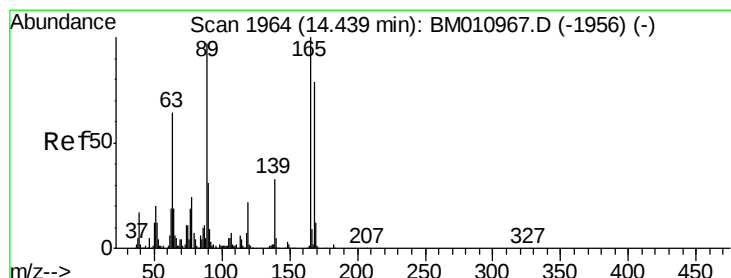
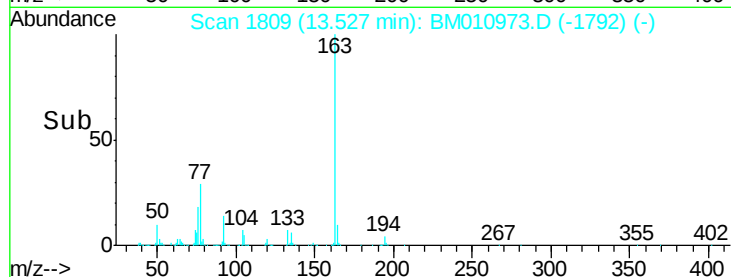
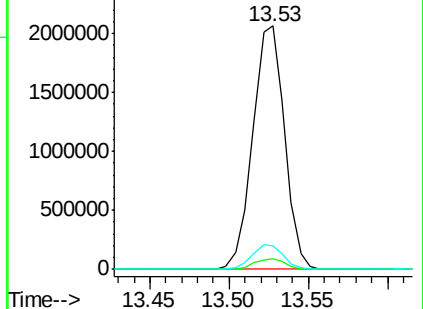
164 9.8 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 190.977 ng

RT: 14.45 min Scan# 1965

Delta R.T. 0.01 min

Lab File: BM010973.D

Acq: 26 Jul 2017 16:38

Tgt Ion:165 Resp: 2636326

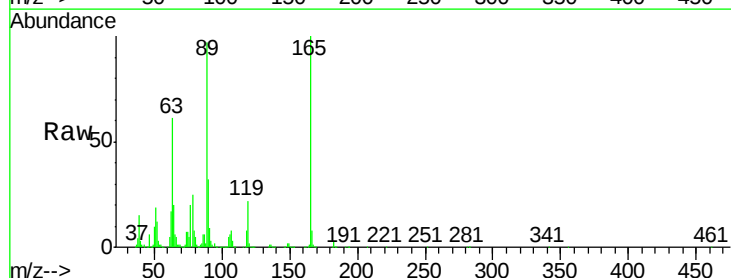
Ion Ratio Lower Upper

165 100

63 61.1 52.4 78.6

89 97.2 72.4 108.6

182 2.7 2.0 3.0

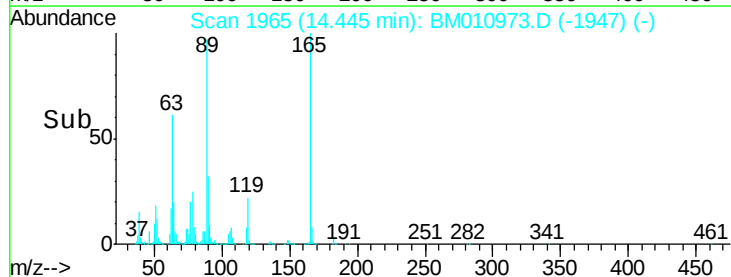
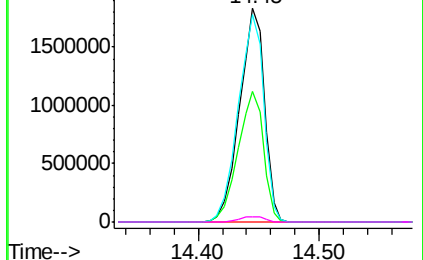


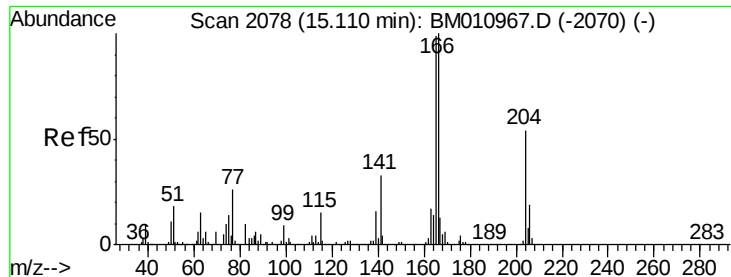
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0

Ion 182.00 (181.70 to 182.70): E

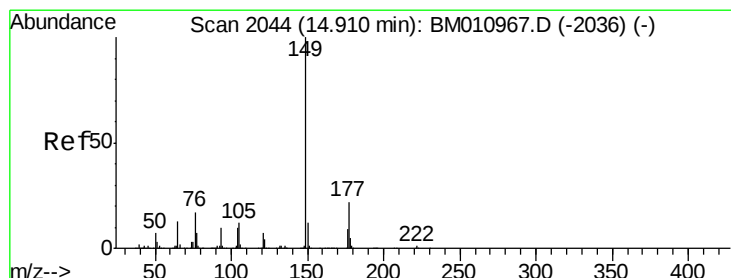
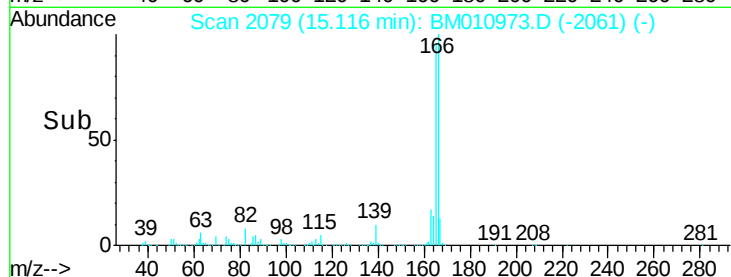
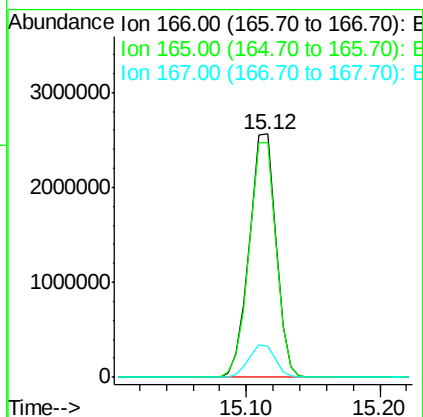
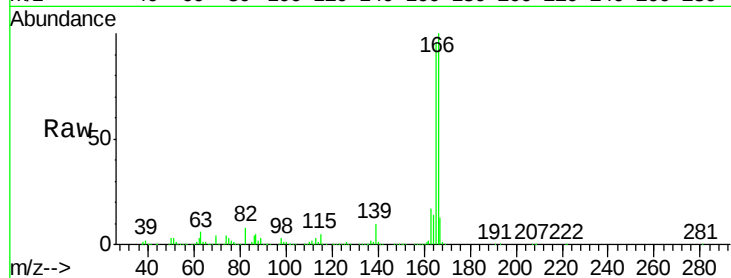




#57
 Fluorene
 Concen: 74.267 ng
 RT: 15.12 min Scan# 2079
 Delta R.T. 0.01 min
 Lab File: BM010973.D
 Acq: 26 Jul 2017 16:38

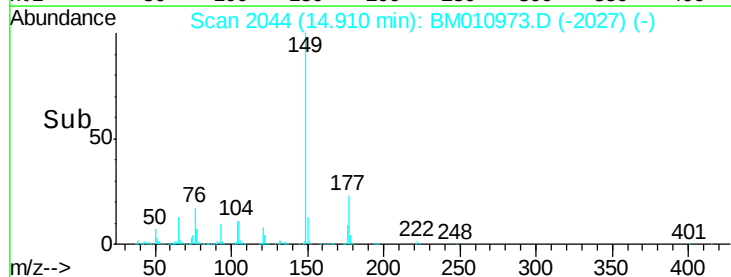
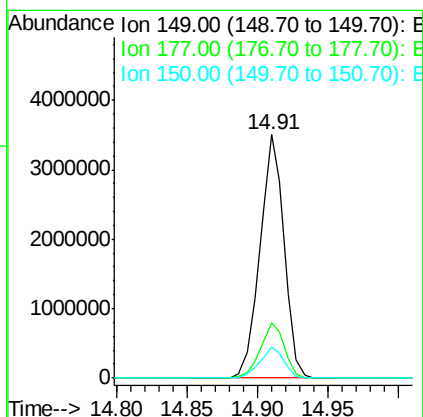
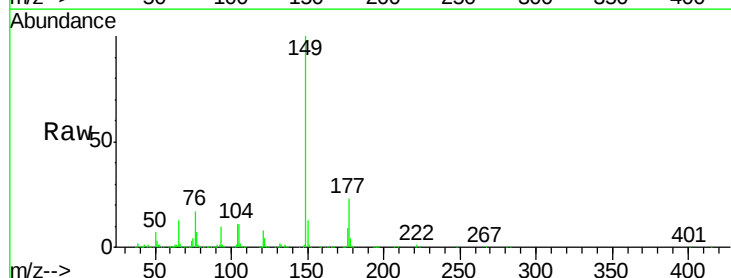
Instrument :
 BNA_M
 ClientSampleId :
 0536

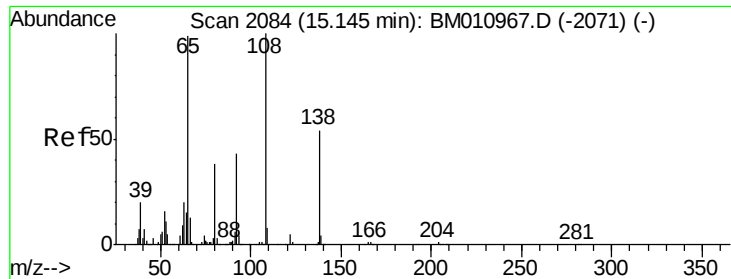
Tgt Ion:166 Resp: 3506020
 Ion Ratio Lower Upper
 166 100
 165 96.2 79.0 118.4
 167 12.7 10.3 15.5



#59
 Diethylphthalate
 Concen: 84.866 ng
 RT: 14.91 min Scan# 2044
 Delta R.T. 0.00 min
 Lab File: BM010973.D
 Acq: 26 Jul 2017 16:38

Tgt Ion:149 Resp: 4214523
 Ion Ratio Lower Upper
 149 100
 177 22.7 18.3 27.5
 150 12.8 9.8 14.8

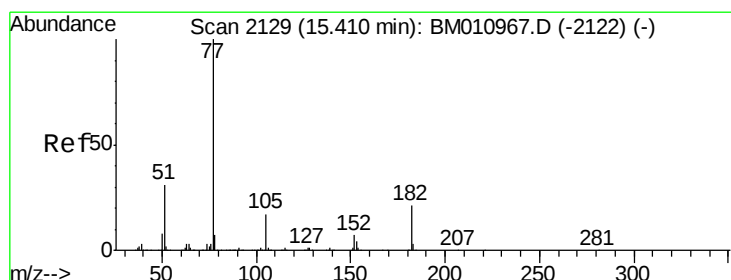
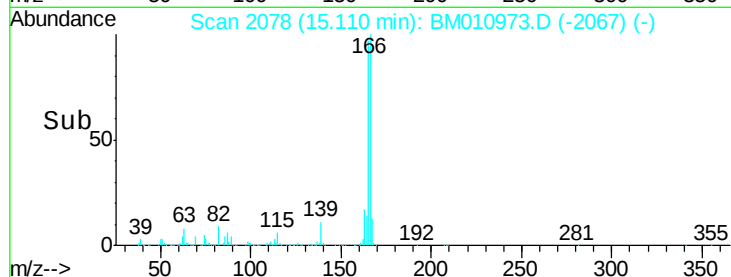
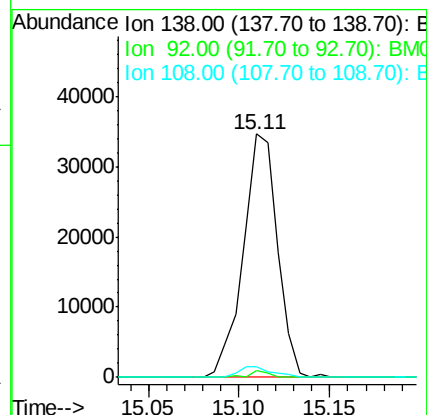
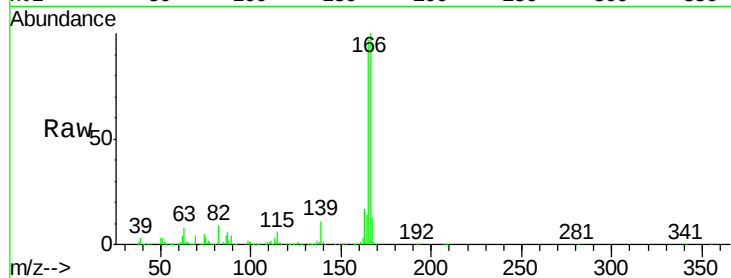




#61
4-Nitroaniline
Concen: 5.028 ng
RT: 15.11 min Scan# 2078
Delta R.T. -0.04 min
Lab File: BM010973.D
Acq: 26 Jul 2017 16:38

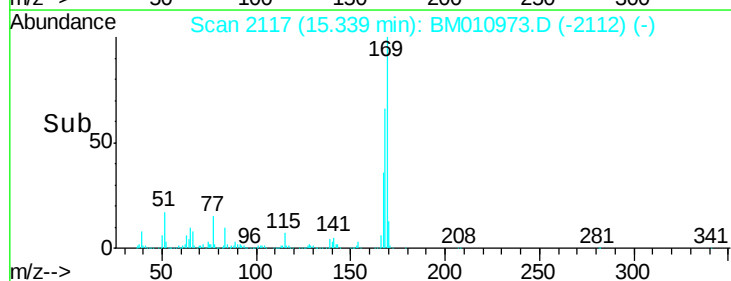
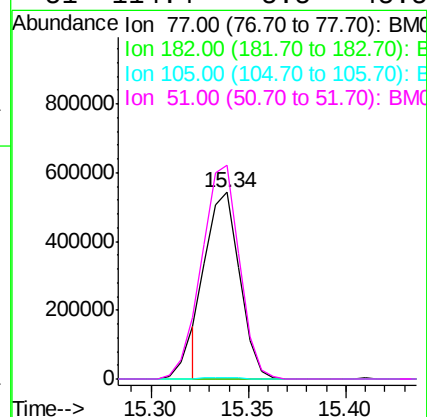
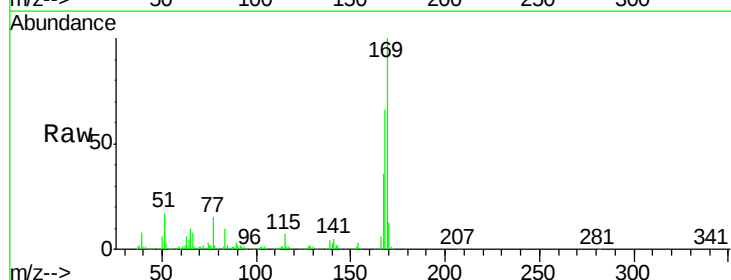
Instrument :
BNA_M
ClientSampleId :
0536

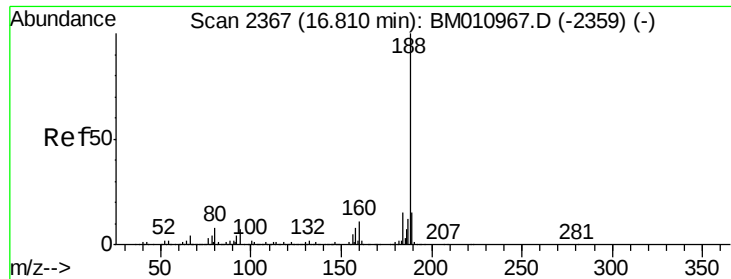
Tgt Ion: 138 Resp: 45572
Ion Ratio Lower Upper
138 100
92 3.0 16.7 56.7#
108 4.3 37.6 77.6#



#62
Azobenzene
Concen: 12.320 ng
RT: 15.34 min Scan# 2117
Delta R.T. -0.07 min
Lab File: BM010973.D
Acq: 26 Jul 2017 16:38

Tgt Ion: 77 Resp: 654792
Ion Ratio Lower Upper
77 100
182 0.0 6.5 46.5#
105 0.9 3.8 43.8#
51 114.4 5.5 45.5#

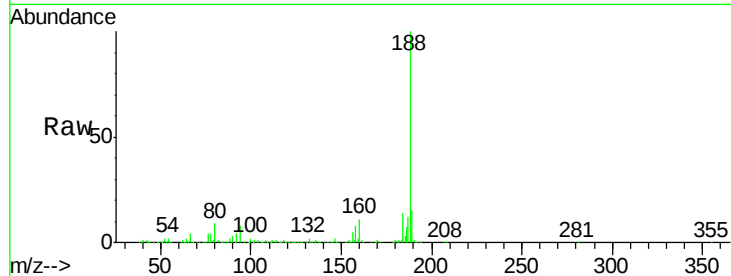




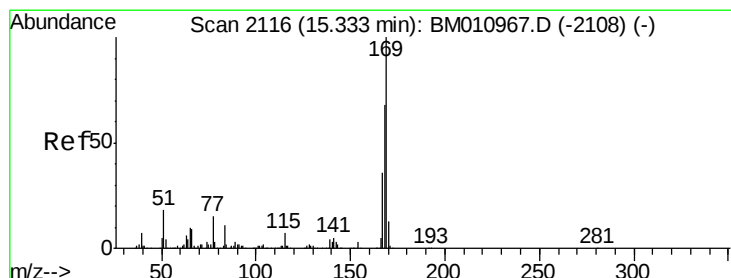
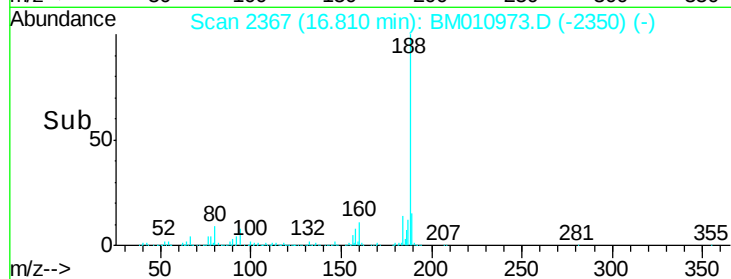
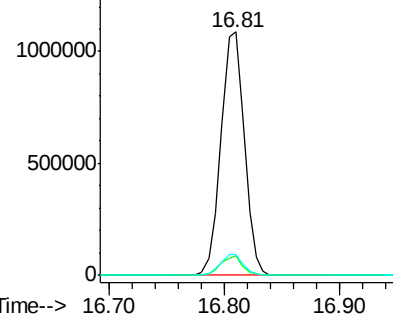
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.81 min Scan# 2367
Delta R.T. 0.00 min
Lab File: BM010973.D
Acq: 26 Jul 2017 16:38

Instrument :
BNA_M
ClientSampleId :
0536

Tgt Ion:188 Resp: 1528609
Ion Ratio Lower Upper
188 100
94 8.0 8.7 13.1#
80 8.5 9.3 13.9#

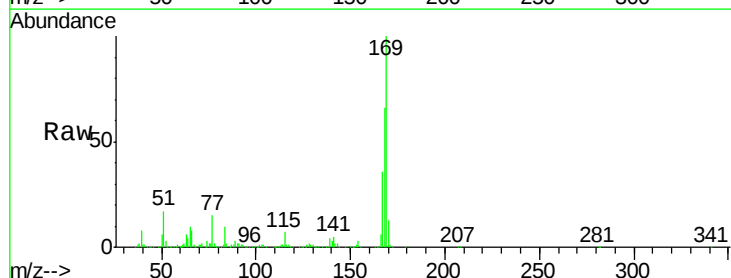


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

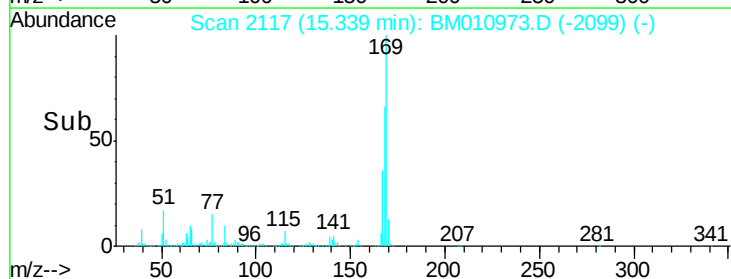
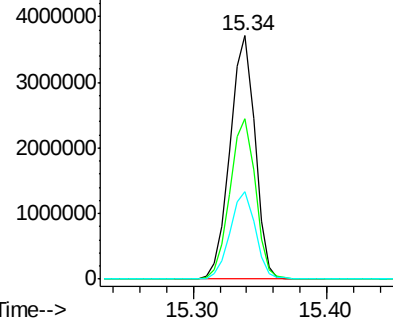


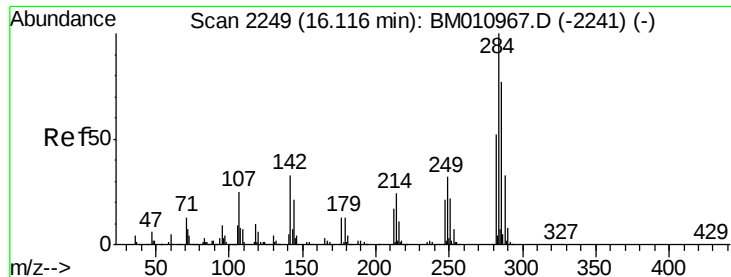
#65
n-Nitrosodiphenylamine
Concen: 109.151 ng
RT: 15.34 min Scan# 2117
Delta R.T. 0.01 min
Lab File: BM010973.D
Acq: 26 Jul 2017 16:38

Tgt Ion:169 Resp: 4774973
Ion Ratio Lower Upper
169 100
168 65.8 53.9 80.9
167 35.8 28.9 43.3



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#67

Hexachlorobenzene

Concen: 139.666 ng

RT: 16.12 min Scan# 2250

Delta R.T. 0.01 min

Lab File: BM010973.D

Acq: 26 Jul 2017 16:38

Instrument :

BNA_M

ClientSampleId :

0536

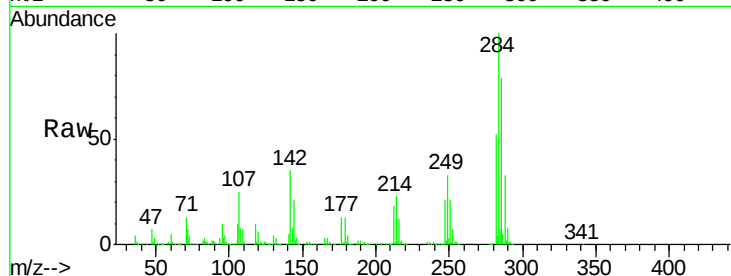
Tgt Ion:284 Resp: 3101357

Ion Ratio Lower Upper

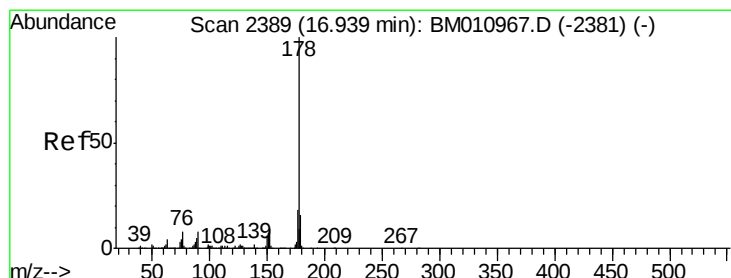
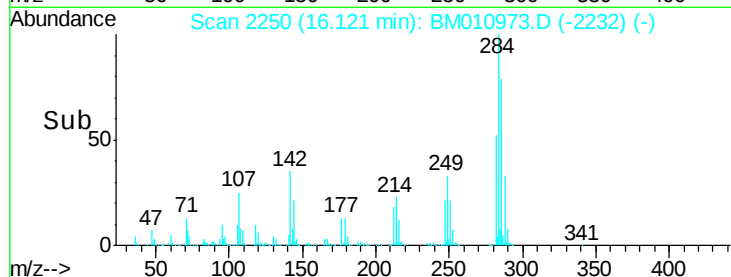
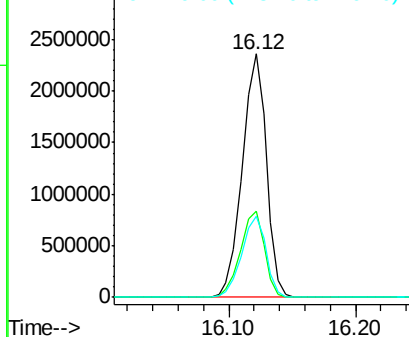
284 100

142 35.3 20.4 30.6#

249 33.0 23.8 35.6



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#71

Anthracene

Concen: 129.979 ng

RT: 16.94 min Scan# 2390

Delta R.T. 0.01 min

Lab File: BM010973.D

Acq: 26 Jul 2017 16:38

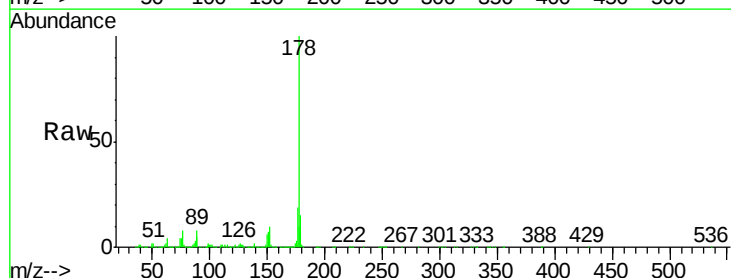
Tgt Ion:178 Resp:10375761

Ion Ratio Lower Upper

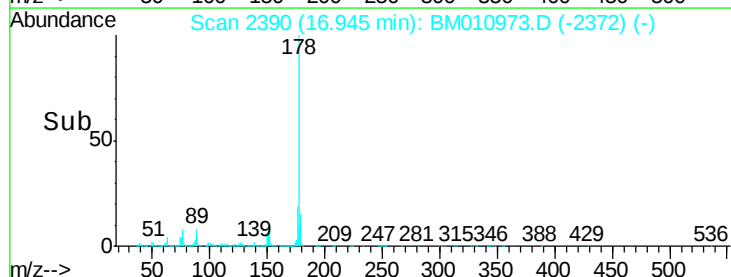
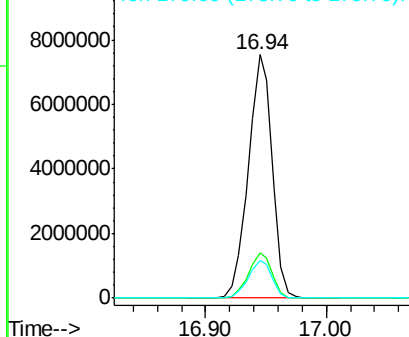
178 100

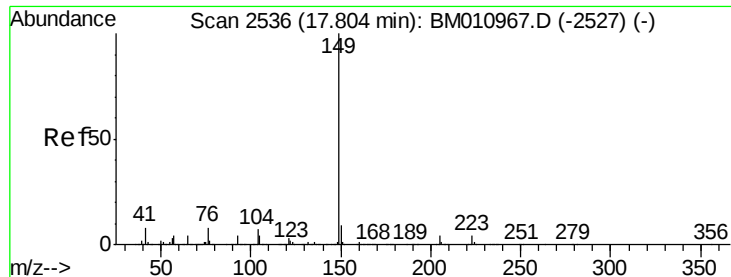
176 18.7 14.6 22.0

179 15.3 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

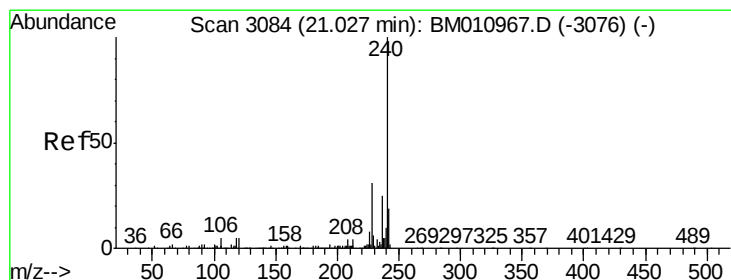
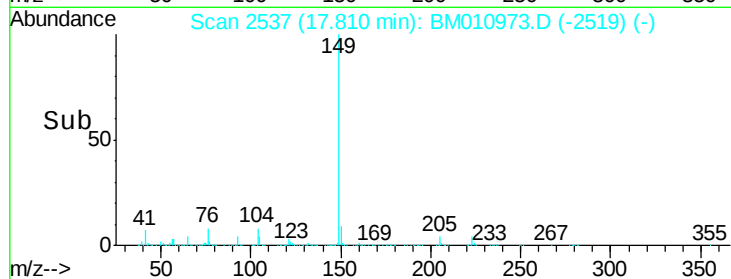
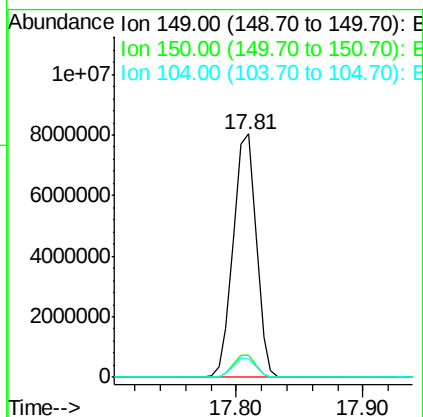
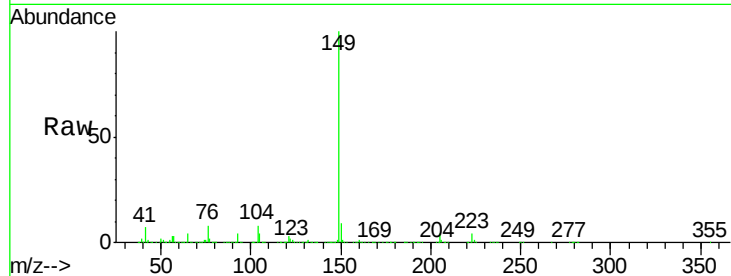




#73
Di-n-butylphthalate
Concen: 118.266 ng
RT: 17.81 min Scan# 2537
Delta R.T. 0.01 min
Lab File: BM010973.D
Acq: 26 Jul 2017 16:38

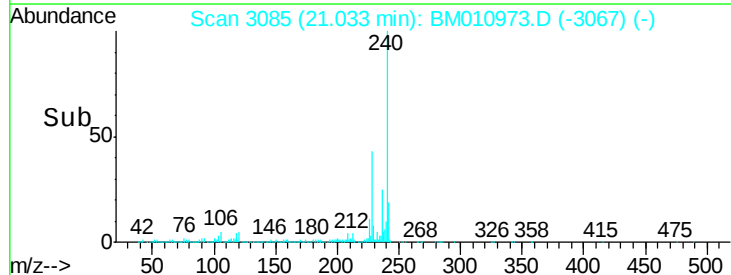
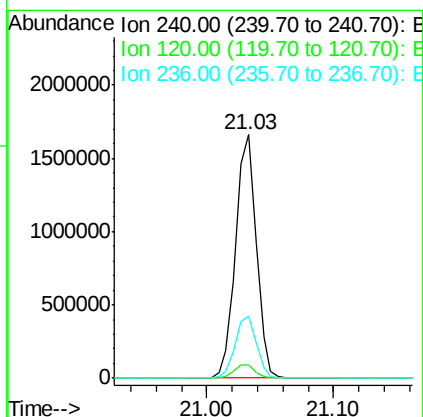
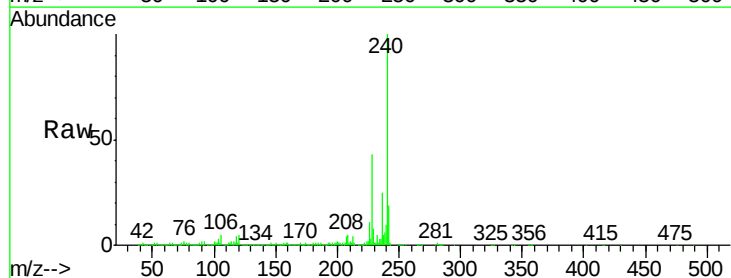
Instrument :
BNA_M
ClientSampleId :
0536

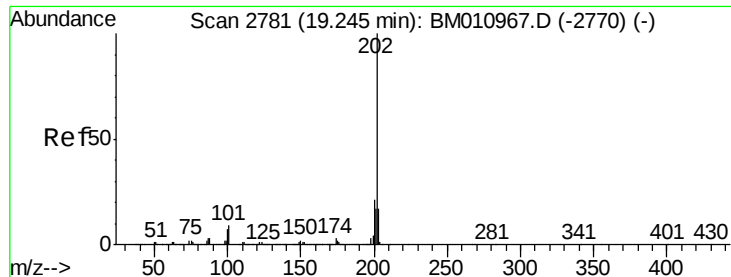
Tgt Ion:149 Resp:10054255
Ion Ratio Lower Upper
149 100
150 9.1 7.5 11.3
104 7.7 3.7 5.5#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.03 min Scan# 3085
Delta R.T. 0.01 min
Lab File: BM010973.D
Acq: 26 Jul 2017 16:38

Tgt Ion:240 Resp: 1868184
Ion Ratio Lower Upper
240 100
120 5.2 8.2 12.2#
236 25.4 20.0 30.0





#77

Pyrene

Concen: 119.475 ng

RT: 19.25 min Scan# 2782

Delta R.T. 0.01 min

Lab File: BM010973.D

Acq: 26 Jul 2017 16:38

Instrument :

BNA_M

ClientSampleId :

0536

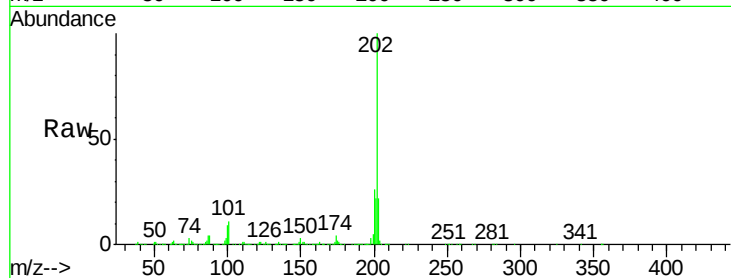
Tgt Ion:202 Resp:13262388

Ion Ratio Lower Upper

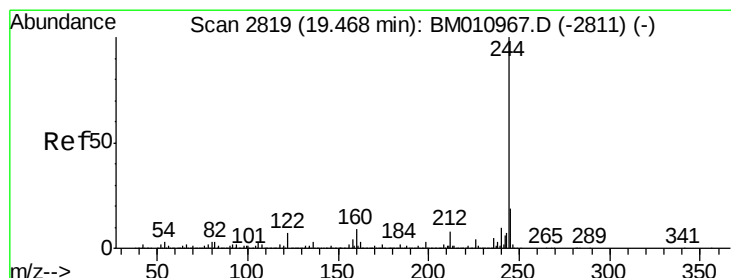
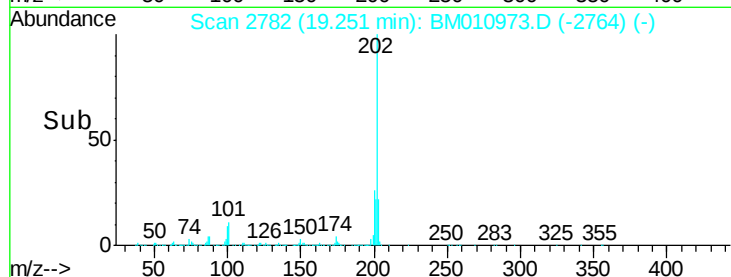
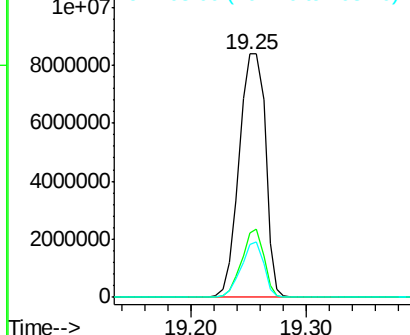
202 100

200 26.4 16.9 25.3#

203 21.6 14.1 21.1#



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



#78

Terphenyl-d14

Concen: 88.344 ng

RT: 19.47 min Scan# 2820

Delta R.T. 0.01 min

Lab File: BM010973.D

Acq: 26 Jul 2017 16:38

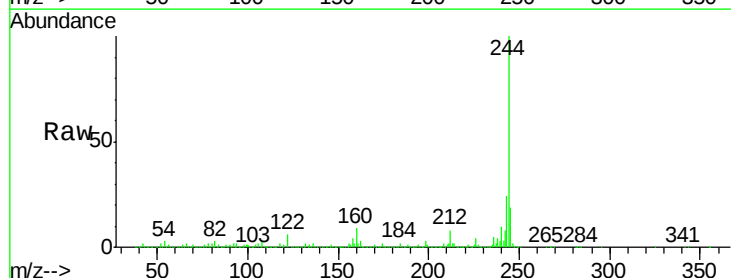
Tgt Ion:244 Resp: 8331839

Ion Ratio Lower Upper

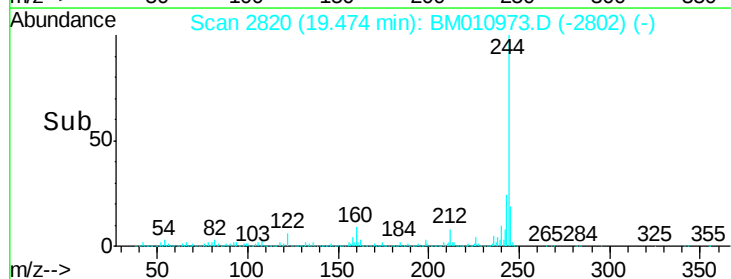
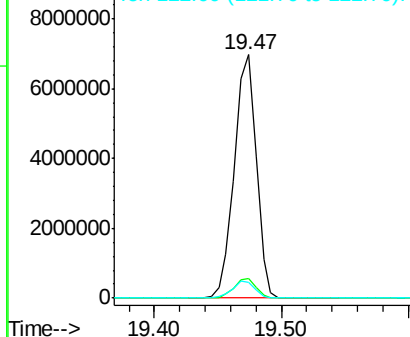
244 100

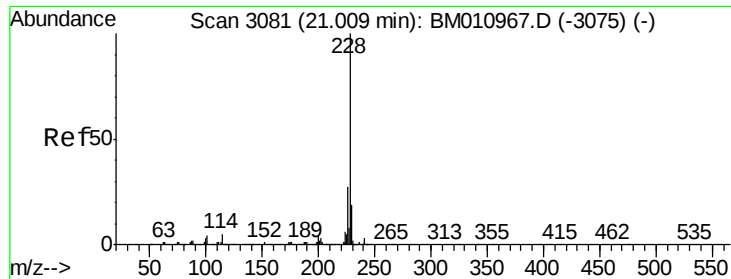
212 8.2 4.9 7.3#

122 6.5 6.2 9.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 88.953 ng

RT: 21.02 min Scan# 3082

Delta R.T. 0.01 min

Lab File: BM010973.D

Acq: 26 Jul 2017 16:38

Instrument :

BNA_M

ClientSampleId :

0536

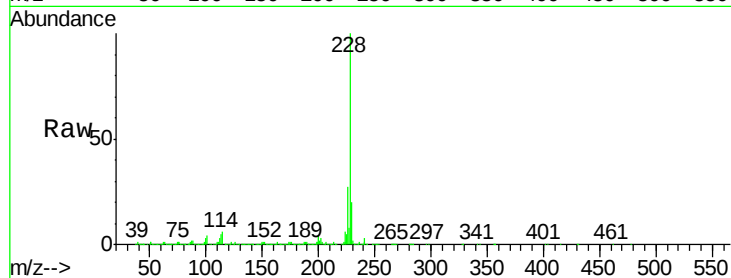
Tgt Ion:228 Resp: 9488765

Ion Ratio Lower Upper

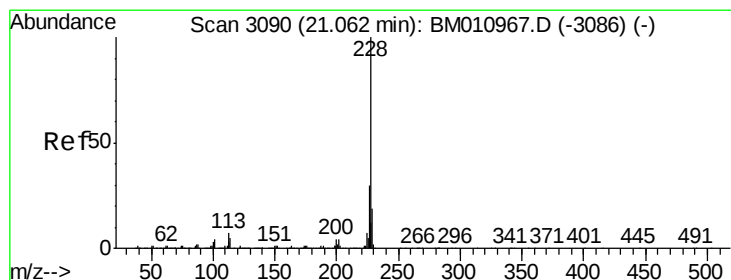
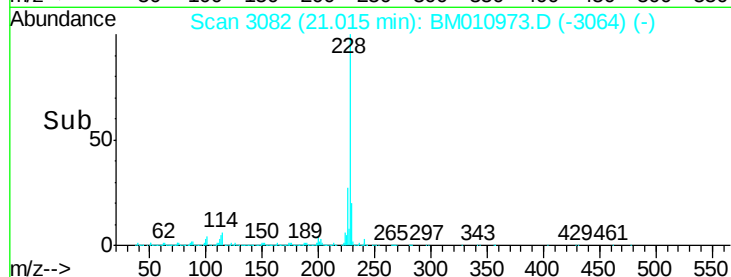
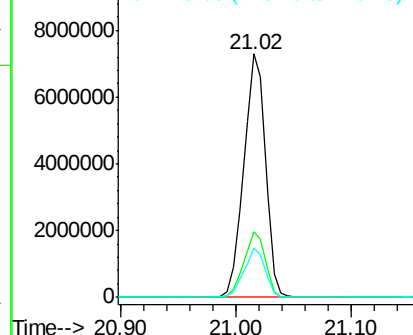
228 100

226 27.0 21.7 32.5

229 19.9 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E
1e+07 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 92.566 ng

RT: 21.02 min Scan# 3082

Delta R.T. -0.05 min

Lab File: BM010973.D

Acq: 26 Jul 2017 16:38

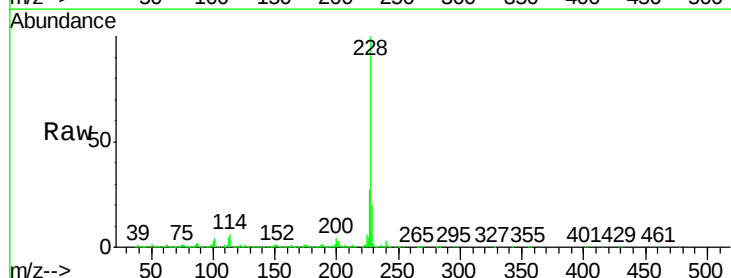
Tgt Ion:228 Resp: 9478259

Ion Ratio Lower Upper

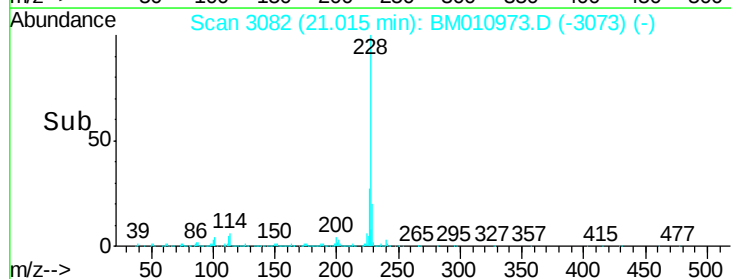
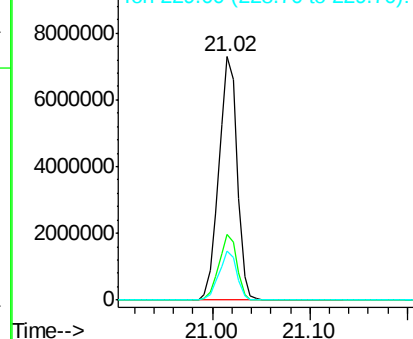
228 100

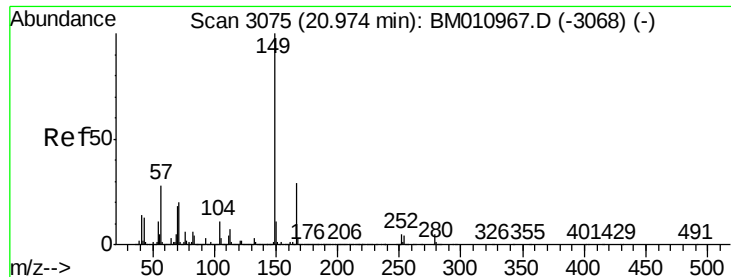
226 27.0 24.1 36.1

229 19.9 15.5 23.3



Abundance Ion 228.00 (227.70 to 228.70): E
1e+07 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

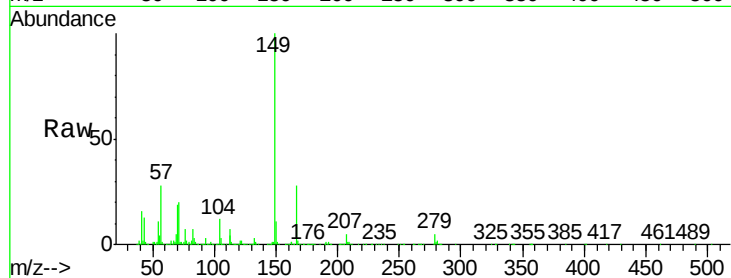




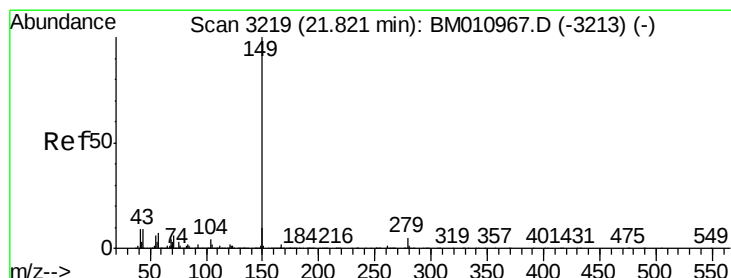
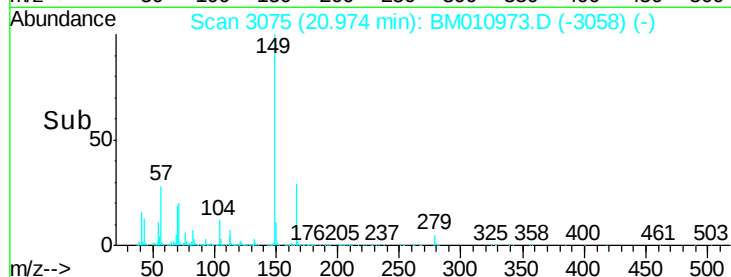
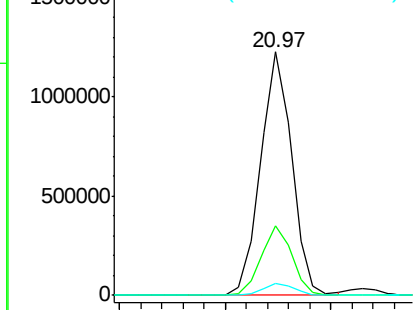
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 21.765 ng
 RT: 20.97 min Scan# 3075
 Delta R.T. 0.00 min
 Lab File: BM010973.D
 Acq: 26 Jul 2017 16:38

Instrument :
 BNA_M
 ClientSampleId :
 0536

Tgt Ion:149 Resp: 1263915
 Ion Ratio Lower Upper
 149 100
 167 28.5 22.4 33.6
 279 5.0 3.4 5.0#

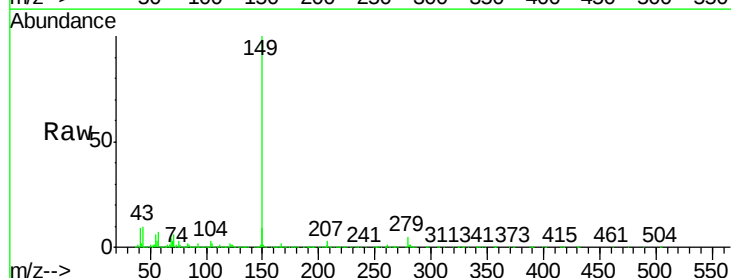


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

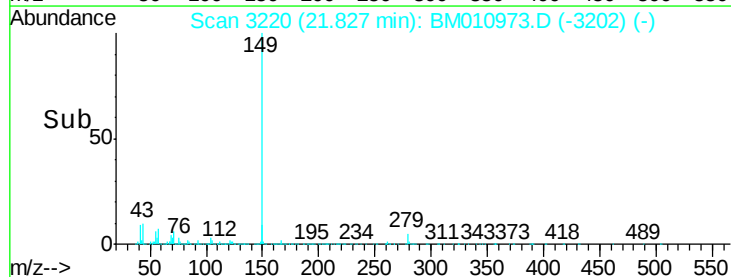
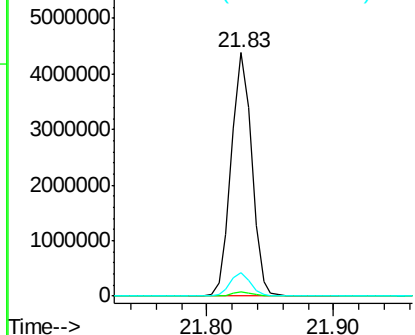


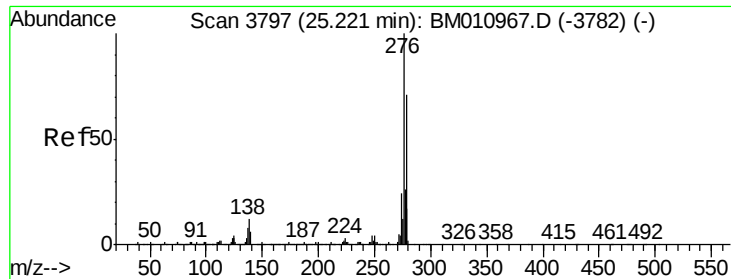
#84
 Di-n-octyl phthalate
 Concen: 51.869 ng
 RT: 21.83 min Scan# 3220
 Delta R.T. 0.01 min
 Lab File: BM010973.D
 Acq: 26 Jul 2017 16:38

Tgt Ion:149 Resp: 4888555
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 9.3 7.3 10.9



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): BM0

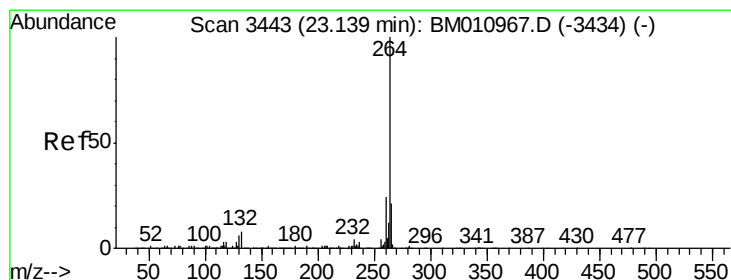
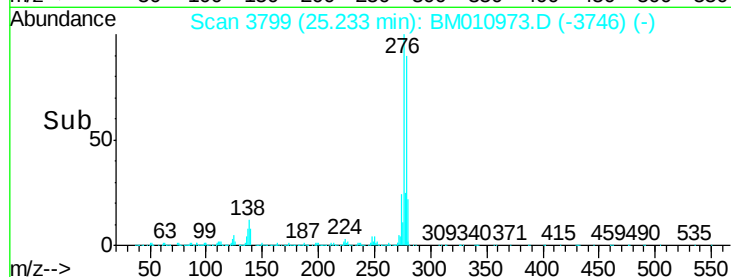
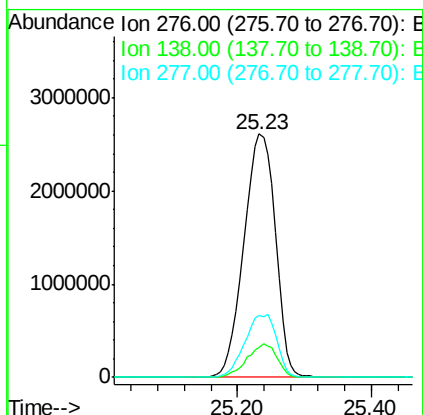
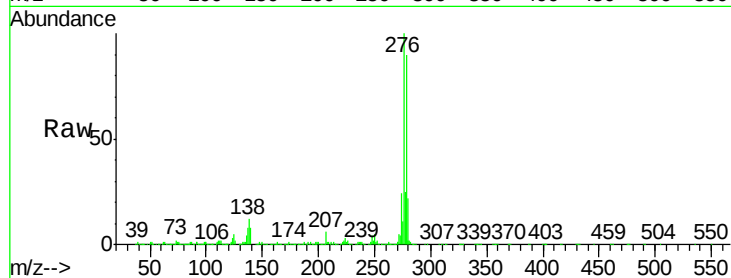




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 79.788 ng
 RT: 25.23 min Scan# 3799
 Delta R.T. 0.01 min
 Lab File: BM010973.D
 Acq: 26 Jul 2017 16:38

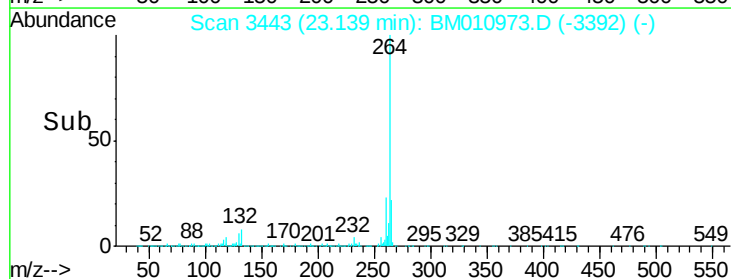
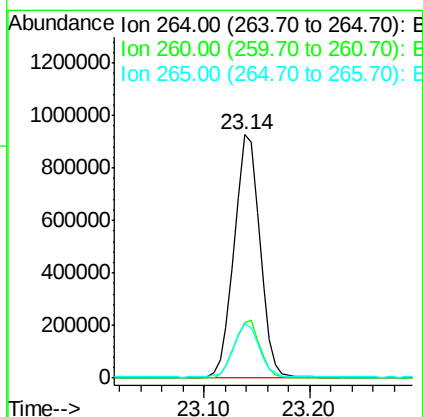
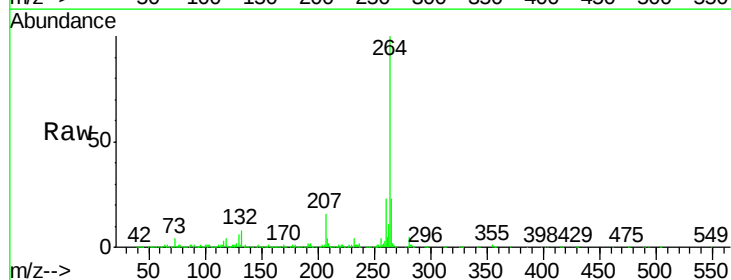
Instrument :
 BNA_M
 ClientSampleId :
 0536

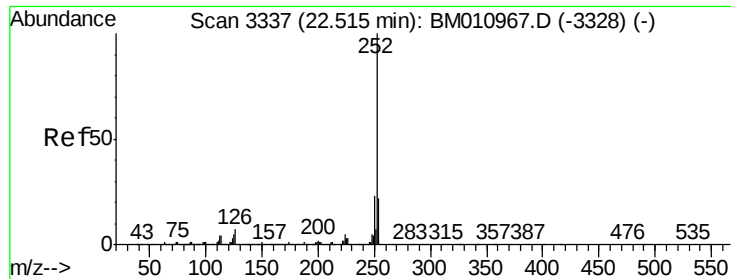
Tgt Ion:276 Resp: 8461231
 Ion Ratio Lower Upper
 276 100
 138 13.0 0.0 0.0#
 277 26.1 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.14 min Scan# 3443
 Delta R.T. 0.00 min
 Lab File: BM010973.D
 Acq: 26 Jul 2017 16:38

Tgt Ion:264 Resp: 1567298
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.6 27.8
 265 22.5 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 69.105 ng

RT: 22.52 min Scan# 3338

Delta R.T. 0.01 min

Lab File: BM010973.D

Acq: 26 Jul 2017 16:38

Instrument :

BNA_M

ClientSampleId :

0536

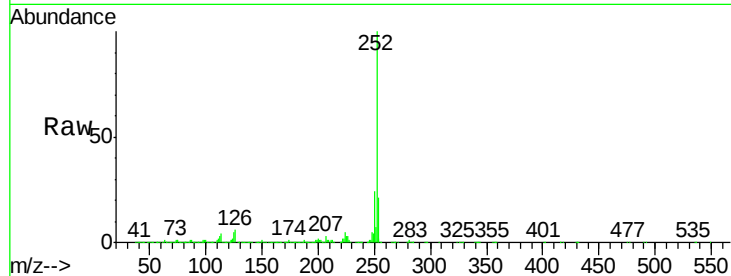
Tgt Ion:252 Resp: 6951425

Ion Ratio Lower Upper

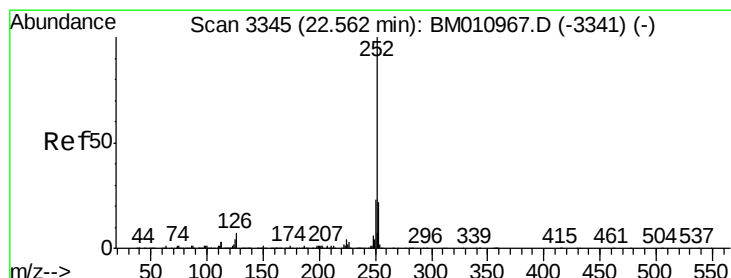
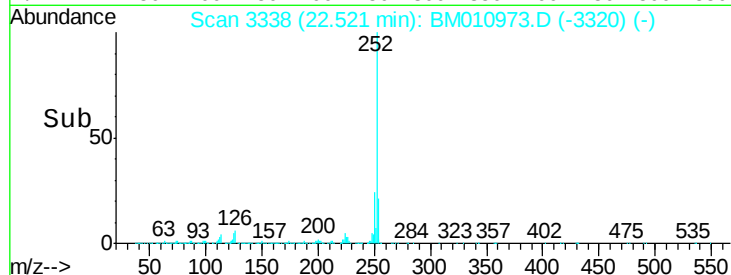
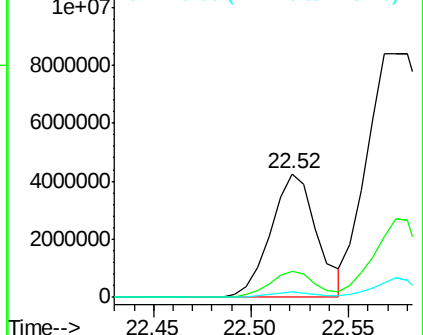
252 100

253 21.4 18.0 27.0

125 5.0 9.9 14.9#



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



#88

Benzo(k)fluoranthene

Concen: 170.861 ng

RT: 22.57 min Scan# 3346

Delta R.T. 0.01 min

Lab File: BM010973.D

Acq: 26 Jul 2017 16:38

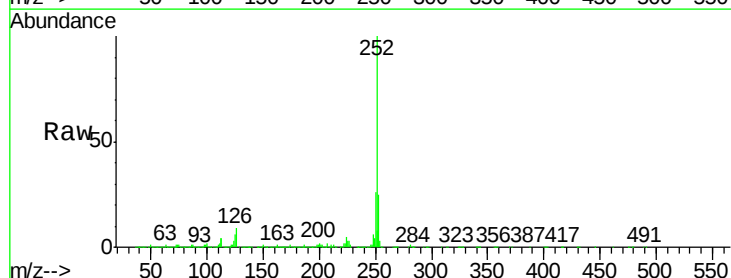
Tgt Ion:252 Resp:16473109

Ion Ratio Lower Upper

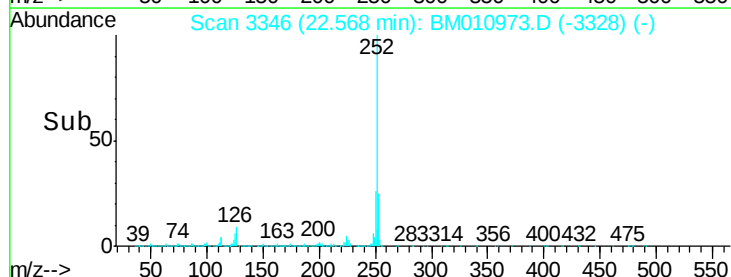
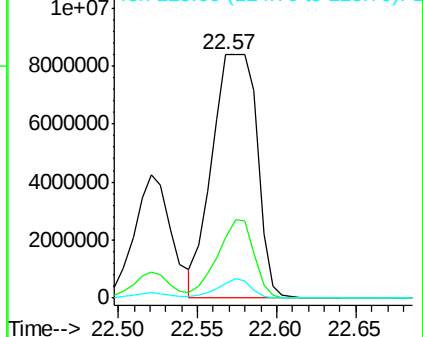
252 100

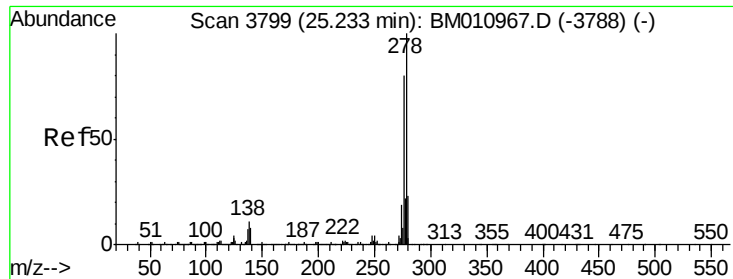
253 25.0 17.2 25.8

125 5.9 8.1 12.1#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 114.827 ng

RT: 25.25 min Scan# 3802

Delta R.T. 0.02 min

Lab File: BM010973.D

Acq: 26 Jul 2017 16:38

Instrument :

BNA_M

ClientSampleId :

0536

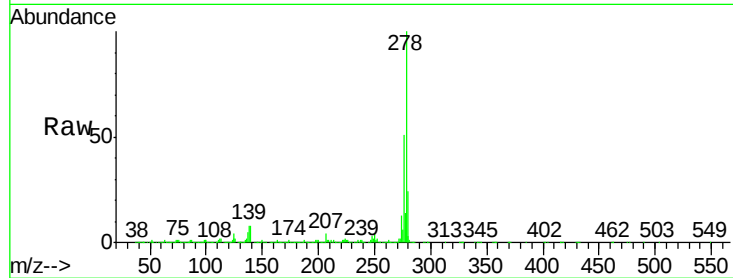
Tgt Ion:278 Resp: 9689155

Ion Ratio Lower Upper

278 100

139 8.4 13.4 20.0#

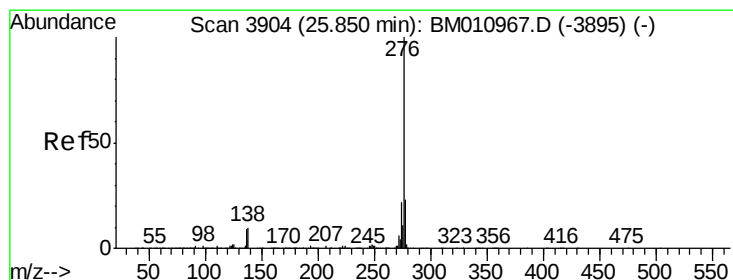
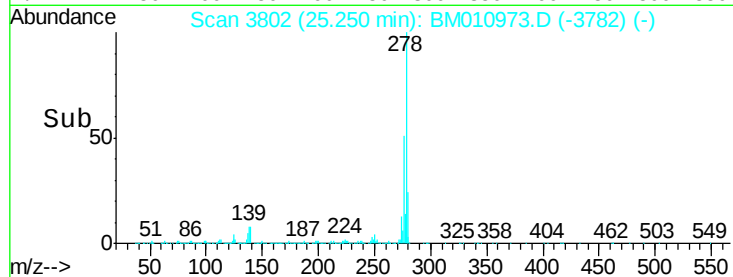
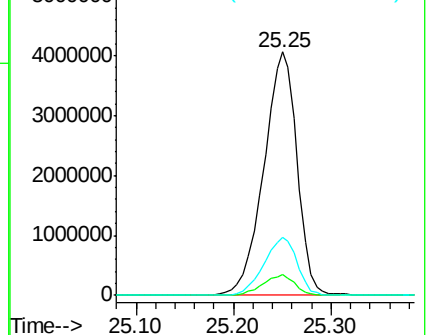
279 23.9 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 15.505 ng

RT: 25.85 min Scan# 3904

Delta R.T. 0.00 min

Lab File: BM010973.D

Acq: 26 Jul 2017 16:38

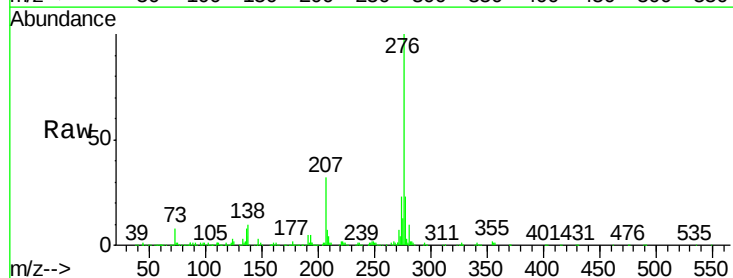
Tgt Ion:276 Resp: 1284669

Ion Ratio Lower Upper

276 100

277 23.3 18.5 27.7

138 10.0 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

