

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072719\
 Data File : BM021686.D
 Acq On : 27 Jul 2019 13:07
 Operator : HP/JU
 Sample : K3893-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 29 04:48:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 26 18:42:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	155142	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	587876	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	349961	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	709854	20.00	ng/ul	0.00
77) Chrysene-d12	21.27	240	710488	20.00	ng/ul	0.00
85) Perylene-d12	23.51	264	868007	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	11927	3.70	ng/uL	0.00
5) Phenol-d5	6.86	99	264963	22.70	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	160232	23.98	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	233933	24.16	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	189605	19.36	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	114548	26.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	127745	26.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	246526	23.78	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	149624	15.26	ng/ul	0.00
43) Dimethylphthalate-d6	13.74	166	700665	25.94	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	823471	25.65	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	51502	12.56	ng/ul	0.01
57) Fluorene-d10	15.33	176	604667	25.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	23017	5.22	ng/ul	0.00
70) Anthracene-d10	17.18	188	896341	25.09	ng/ul	0.00
78) Pyrene-d10	19.48	212	988536	24.80	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.37	264	1138198	24.78	ng/ul	0.00

Target Compounds

				Ovalue	
2) 1,4-Dioxane	3.27	88	106	0.033	ng/uL# 1
4) Benzaldehyde	6.85	77	2383	0.415	ng/ul# 73
6) Phenol	6.89	94	5094	0.409	ng/ul# 83
8) Bis(2-Chloroethyl)ether	7.10	93	2727	0.291	ng/ul# 20
12) 2,2'-oxybis(1-Chloropropan	8.23	45	510	0.043	ng/ul# 4
14) Acetophenone	8.52	105	5364	0.329	ng/ul# 94
15) N-Nitroso-di-n-propylamine	8.39	70	4924	0.616	ng/ul# 1
16) 4-Methylphenol	8.46	108	254	0.024	ng/ul 89
20) Nitrobenzene	8.89	77	141	0.012	ng/ul# 42
21) Isophorone	9.56	82	11459	0.543	ng/ul# 71
28) Naphthalene	10.52	128	6582	0.203	ng/ul 96
30) 4-Chloroaniline	10.65	127	4678	0.445	ng/ul 99
34) 2-Methylnaphthalene	12.13	142	4244	0.177	ng/ul 86
40) 1,1'-Biphenyl	13.16	154	1193	0.041	ng/ul# 91
44) Dimethylphthalate	13.79	163	120542	4.299	ng/ul 99
45) 2,6-Dinitrotoluene	13.79	165	1339	0.287	ng/ul# 18
47) Acenaphthylene	14.05	152	21915	0.637	ng/ul 99
49) Acenaphthene	14.39	153	4146	0.173	ng/ul 94
53) Dibenzofuran	14.73	168	4789	0.136	ng/ul 99
56) Diethylphthalate	15.16	149	1694	0.064	ng/ul# 77
58) Fluorene	15.38	166	6555	0.233	ng/ul 95
59) 4-Chlorophenyl-phenylether	15.21	204	1297	0.082	ng/ul# 30
63) 4,6-Dinitro-2-methylphenol	15.39	198	366	0.074	ng/ul# 19

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

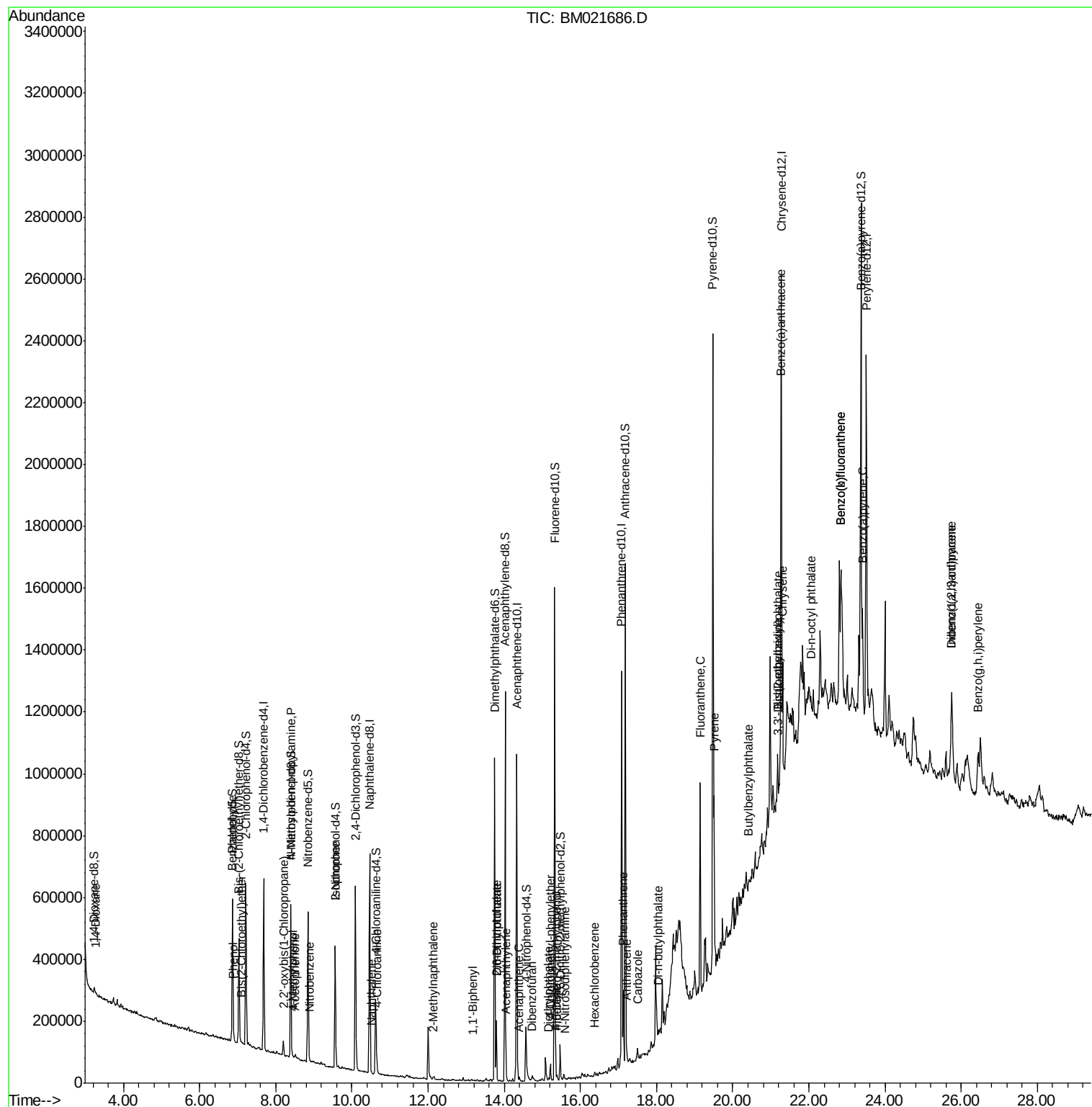
64) N-Nitrosodiphenylamine	15.60	169	367	0.016	ng/ul#	24
66) Hexachlorobenzene	16.38	284	1338	0.119	ng/ul#	75
69) Phenanthrene	17.12	178	138245	3.234	ng/ul	99
71) Anthracene	17.22	178	30498	0.696	ng/ul	99
74) Carbazole	17.50	167	17570	0.485	ng/ul	96
75) Di-n-butylphthalate	18.05	149	13200	0.330	ng/ul#	94
76) Fluoranthene	19.14	202	398012	7.980	ng/ul	99
79) Pyrene	19.51	202	344300	6.495	ng/ul	100
80) Butylbenzylphthalate	20.41	149	5136	0.314	ng/ul#	71
81) 3,3'-Dichlorobenzidine	21.20	252	2596	0.200	ng/ul#	80
82) Benzo(a)anthracene	21.26	228	200315	3.872	ng/ul	97
83) Bis(2-ethylhexyl)phthalate	21.18	149	37582	1.596	ng/ul#	96
84) Chrysene	21.31	228	228044	4.675	ng/ul	97
86) Di-n-octyl phthalate	22.06	149	2323	0.045	ng/ul	100
87) Benzo(b)fluoranthene	22.84	252	382065	6.469	ng/ul#	96
88) Benzo(k)fluoranthene	22.84	252	382065	6.617	ng/ul#	97
90) Benzo(a)pyrene	23.41	252	234167	4.235	ng/ul#	93
91) Indeno(1,2,3-cd)pyrene	25.75	276	202858	3.164	ng/ul	98
92) Dibenzo(a,h)anthracene	25.76	278	48910	0.917	ng/ul#	74
93) Benzo(g,h,i)perylene	26.44	276	180536	3.386	ng/ul	99

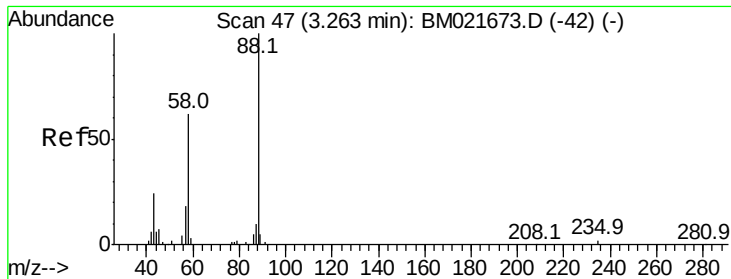
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.033 ng/uL

RT: 3.27 min Scan# 48

Delta R.T. 0.01 min

Lab File: BM021686.D

Acq: 27 Jul 2019 13:07

Instrument :

BNA_M

ClientSampleId :

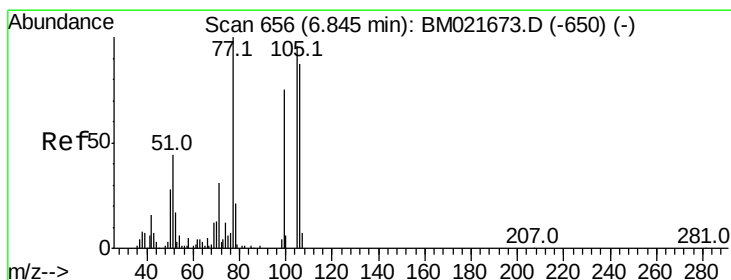
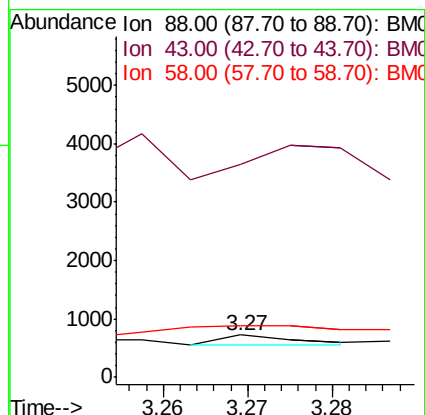
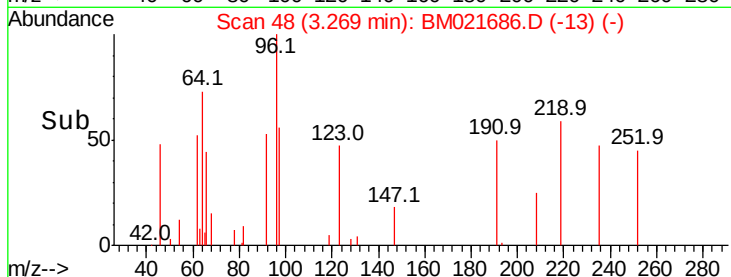
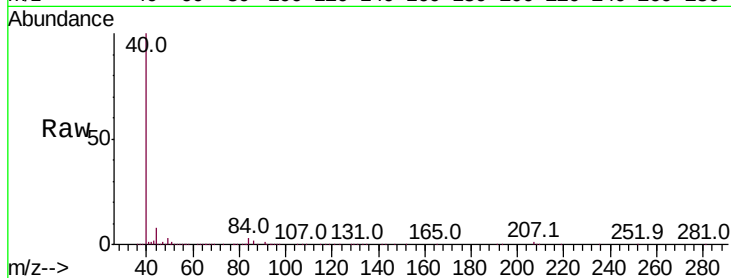
Tot Ion: 88 Resp: 106

Ion Ratio Lower Upper

88 100

43 499.9 28.2 42.2#

58 122.1 49.9 74.9#



#4

Benzaldehyde

Concen: 0.415 ng/uL

RT: 6.85 min Scan# 657

Delta R.T. 0.01 min

Lab File: BM021686.D

Acq: 27 Jul 2019 13:07

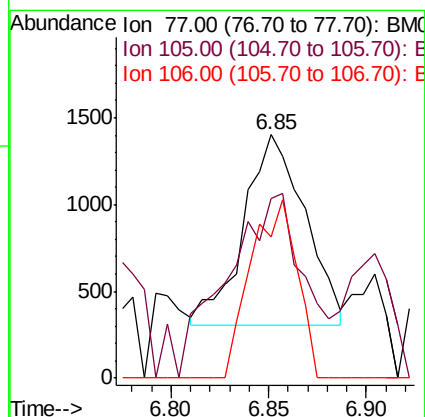
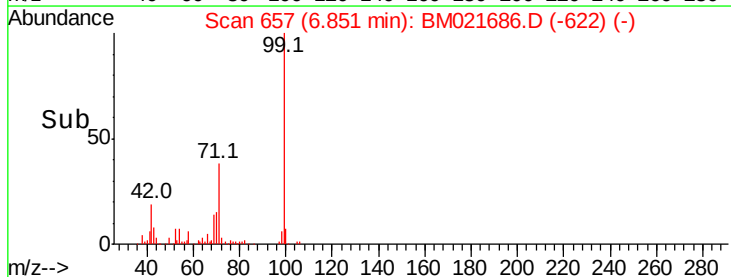
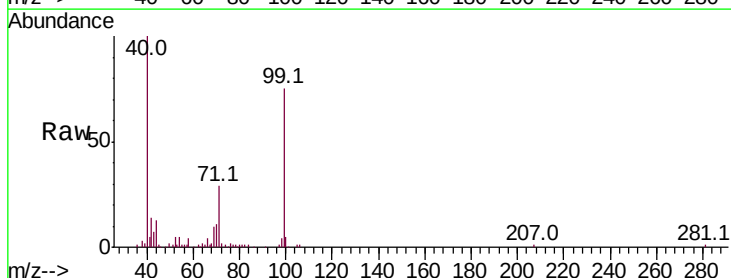
Tgt Ion: 77 Resp: 2383

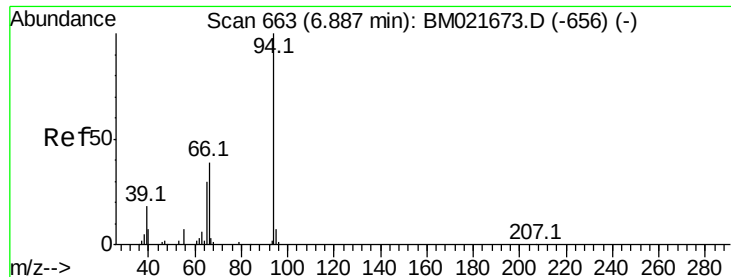
Ion Ratio Lower Upper

77 100

105 73.9 76.6 115.0#

106 58.1 69.9 104.9#





#6

Phenol

Concen: 0.409 ng/ul

RT: 6.89 min Scan# 664

Delta R.T. 0.01 min

Lab File: BM021686.D

Acq: 27 Jul 2019 13:07

Instrument :

BNA_M

ClientSampled :

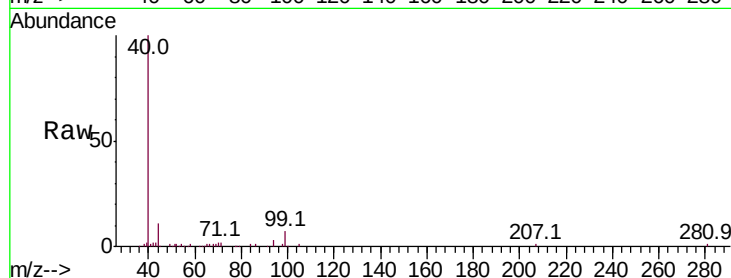
Tot Ion: 94 Resp: 5094

Ion Ratio Lower Upper

94 100

65 33.1 24.8 37.2

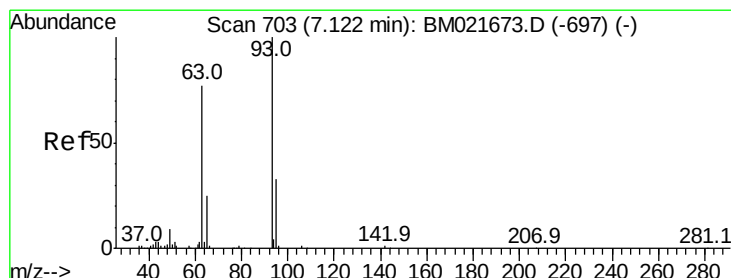
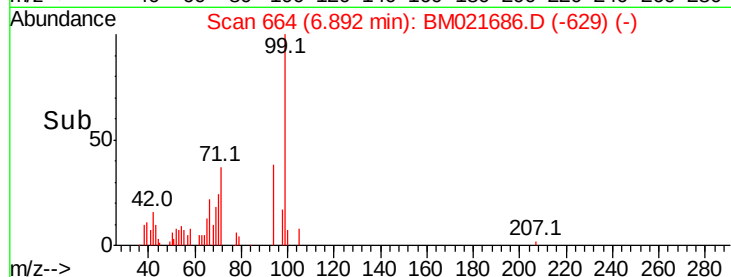
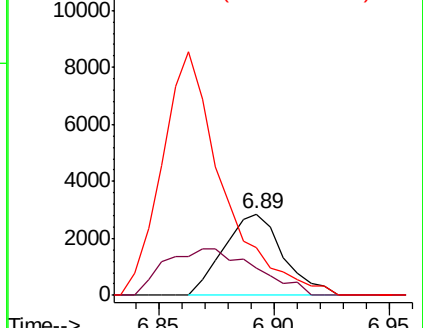
66 58.5 33.0 49.4#



Abundance Ion 94.00 (93.70 to 94.70): BM021686.D (-663) (-)

Ion 65.00 (64.70 to 65.70): BM021686.D (-663) (-)

Ion 66.00 (65.70 to 66.70): BM021686.D (-663) (-)



#8

Bis(2-Chloroethyl)ether

Concen: 0.291 ng/ul

RT: 7.10 min Scan# 700

Delta R.T. -0.02 min

Lab File: BM021686.D

Acq: 27 Jul 2019 13:07

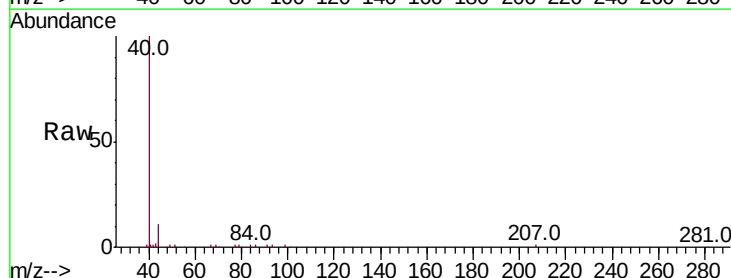
Tgt Ion: 93 Resp: 2727

Ion Ratio Lower Upper

93 100

63 0.0 61.2 91.8#

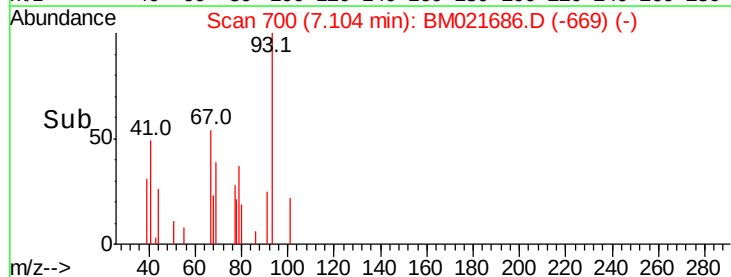
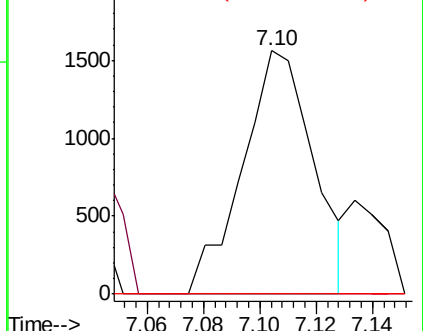
95 0.0 26.2 39.4#

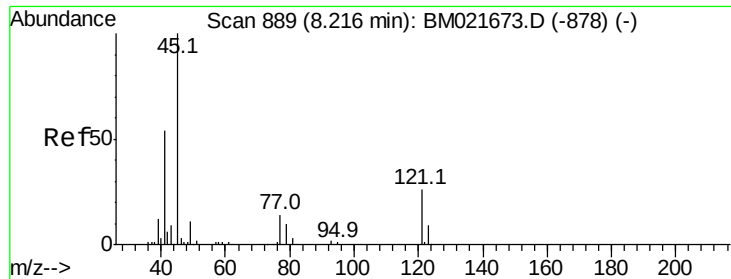


Abundance Ion 93.00 (92.70 to 93.70): BM021686.D (-699) (-)

Ion 63.00 (62.70 to 63.70): BM021686.D (-699) (-)

Ion 95.00 (94.70 to 95.70): BM021686.D (-699) (-)

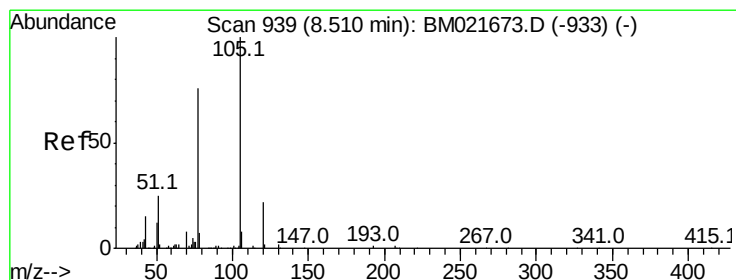
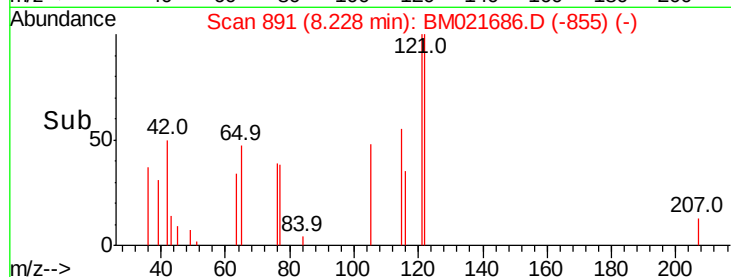
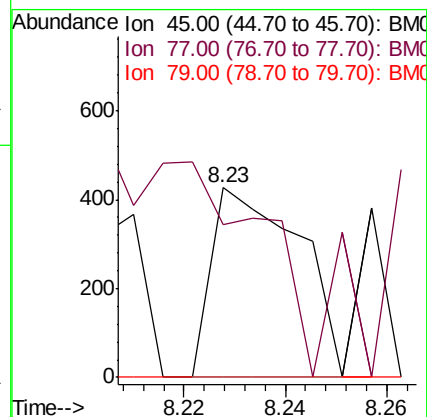
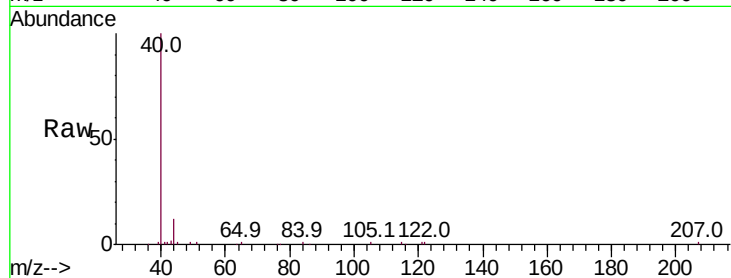




#12
2,2'-oxvbis(1-Chloropropane)
Concen: 0.043 ng/ul
RT: 8.23 min Scan# 891
Delta R.T. 0.01 min
Lab File: BM021686.D
Acq: 27 Jul 2019 13:07

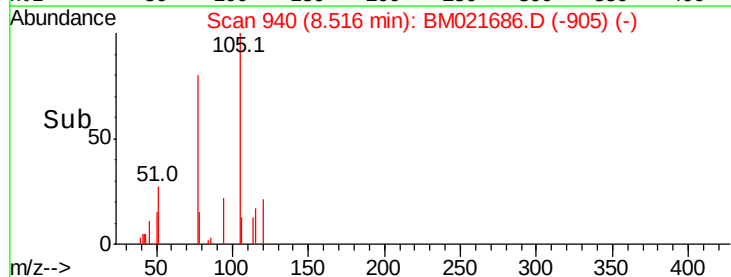
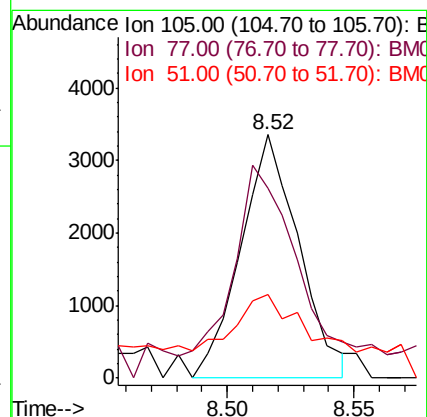
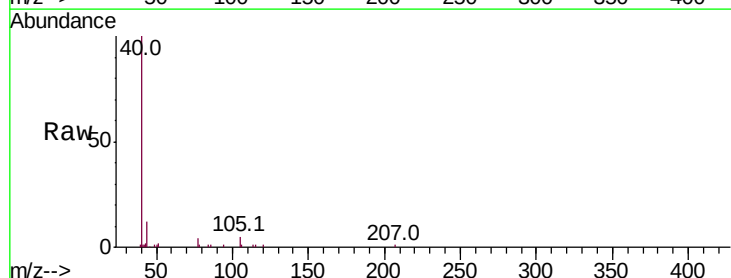
Instrument :
BNA_M
ClientSampleId :

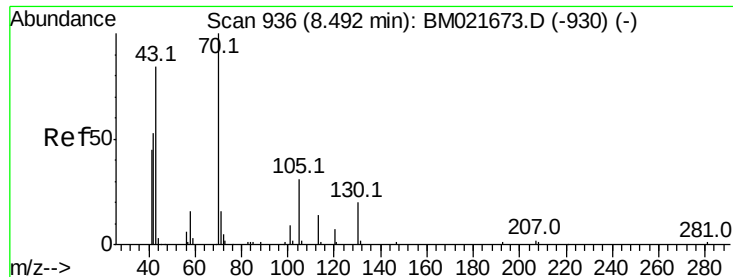
Tot Ion: 45 Resp: 510
Ion Ratio Lower Upper
45 100
77 80.6 13.8 20.8#
79 0.0 10.8 16.2#



#14
Acetophenone
Concen: 0.329 ng/ul
RT: 8.52 min Scan# 940
Delta R.T. 0.01 min
Lab File: BM021686.D
Acq: 27 Jul 2019 13:07

Tgt Ion: 105 Resp: 5364
Ion Ratio Lower Upper
105 100
77 78.2 65.1 97.7
51 34.3 21.3 31.9#





#15

N-Nitroso-di-n-propylamine

Concen: 0.616 ng/ul

RT: 8.39 min Scan# 919

Delta R.T. -0.10 min

Lab File: BM021686.D

Acq: 27 Jul 2019 13:07

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 70 Resp: 4924

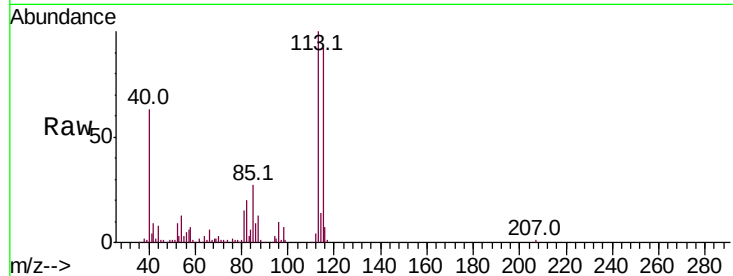
Ion Ratio Lower Upper

70 100

42 359.8 43.2 64.8#

101 0.0 7.0 10.6#

130 0.0 15.7 23.5#

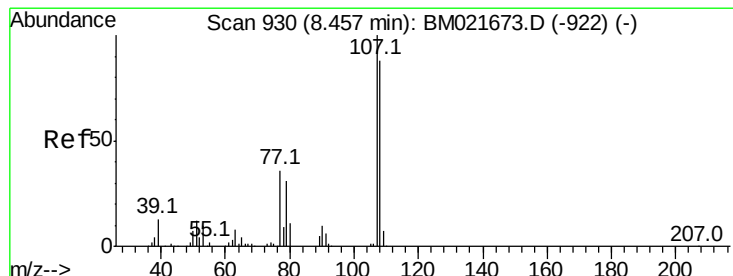
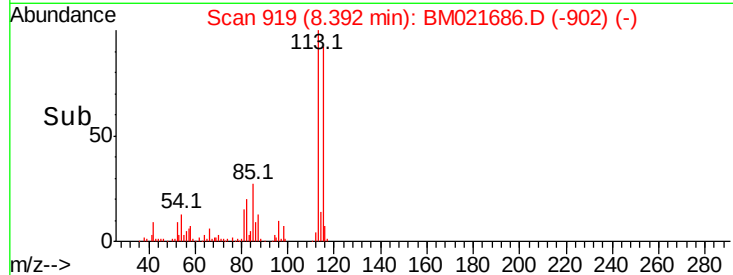
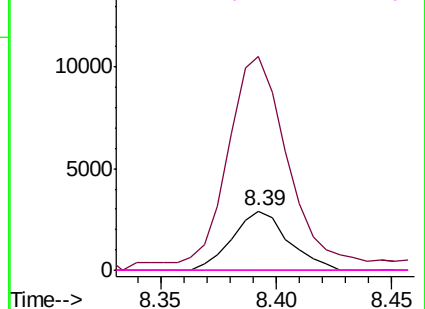


Abundance Ion 70.00 (69.70 to 70.70): BM021673.D (-930) (-)

Ion 42.00 (41.70 to 42.70): BM021673.D (-930) (-)

Ion 101.00 (100.70 to 101.70): BM021673.D (-930) (-)

Ion 130.00 (129.70 to 130.70): BM021673.D (-930) (-)



#16

4-Methylphenol

Concen: 0.024 ng/ul

RT: 8.46 min Scan# 930

Delta R.T. -0.00 min

Lab File: BM021686.D

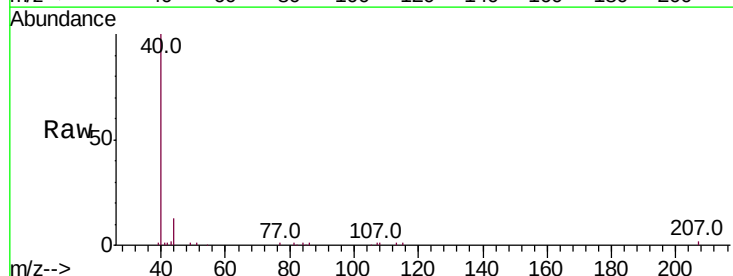
Acq: 27 Jul 2019 13:07

Tgt Ion:108 Resp: 254

Ion Ratio Lower Upper

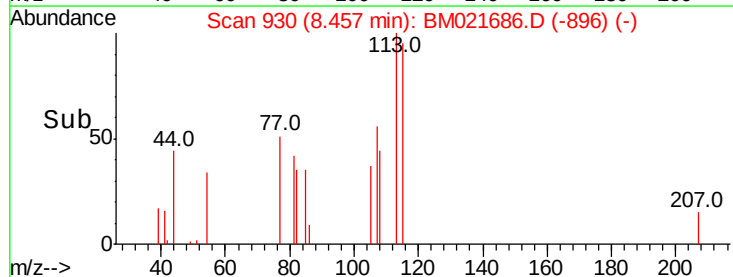
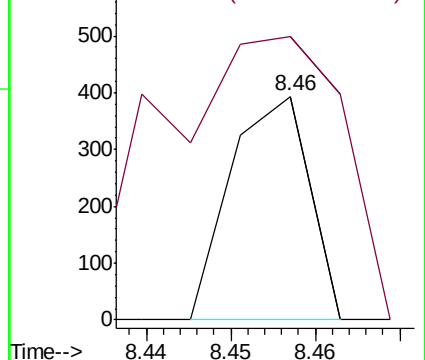
108 100

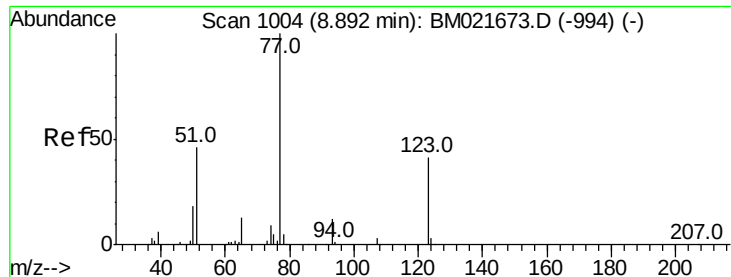
107 126.4 91.2 136.8



Abundance Ion 108.00 (107.70 to 108.70): BM021673.D (-922) (-)

Ion 107.00 (106.70 to 107.70): BM021673.D (-922) (-)

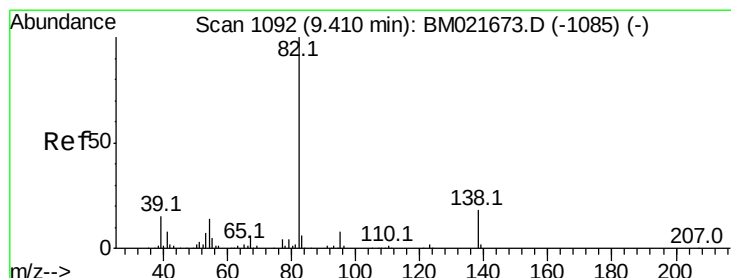
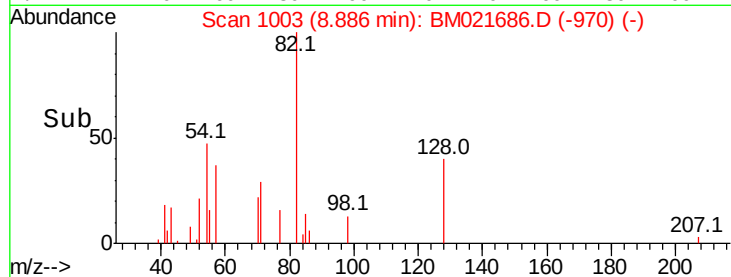
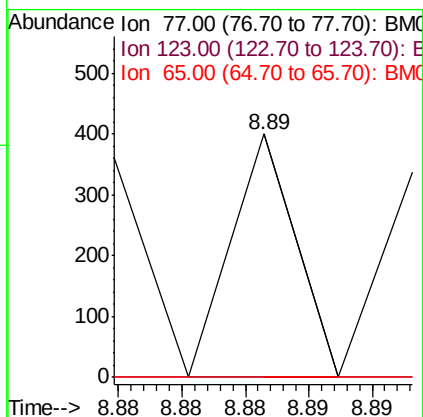
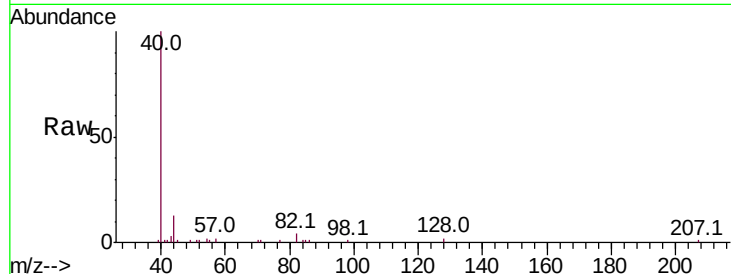




#20
Nitrobenzene
Concen: 0.012 ng/ul
RT: 8.89 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BM021686.D
Acq: 27 Jul 2019 13:07

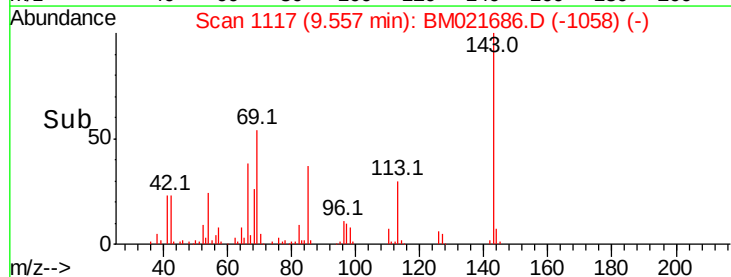
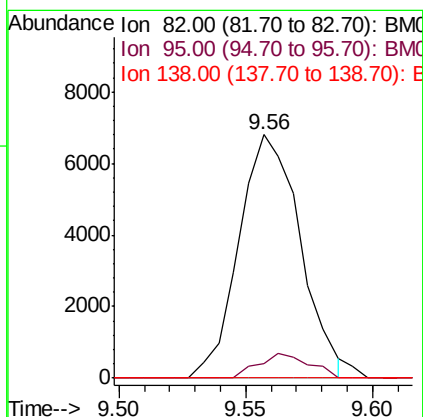
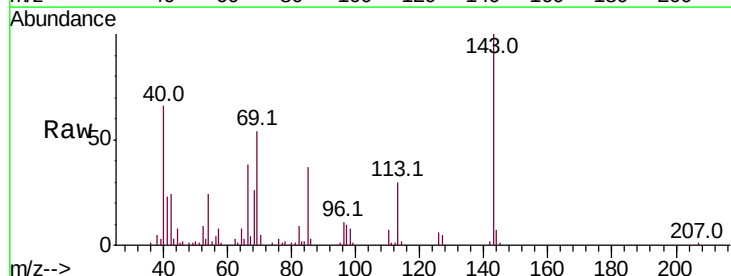
Instrument :
BNA_M
ClientSampleId :

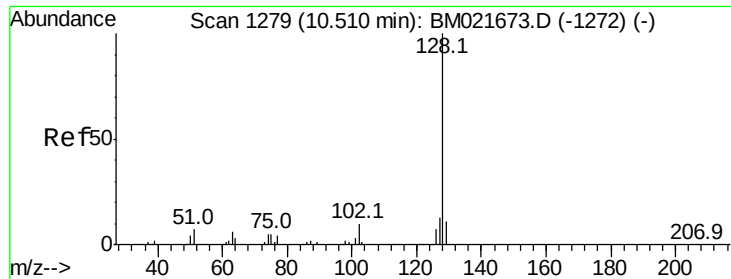
Tot Ion: 77 Resp: 141
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.4#
65 0.0 10.6 15.8#



#21
Isophorone
Concen: 0.543 ng/ul
RT: 9.56 min Scan# 1117
Delta R.T. 0.15 min
Lab File: BM021686.D
Acq: 27 Jul 2019 13:07

Tgt Ion: 82 Resp: 11459
Ion Ratio Lower Upper
82 100
95 6.0 6.2 9.2#
138 0.0 14.1 21.1#

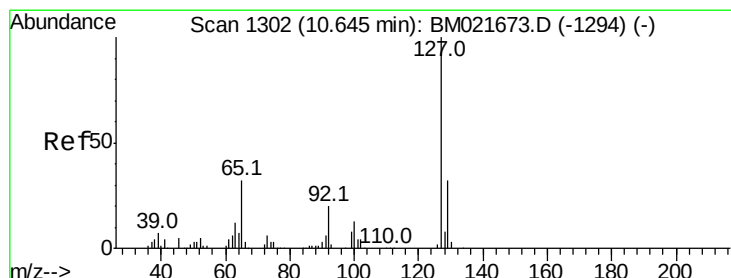
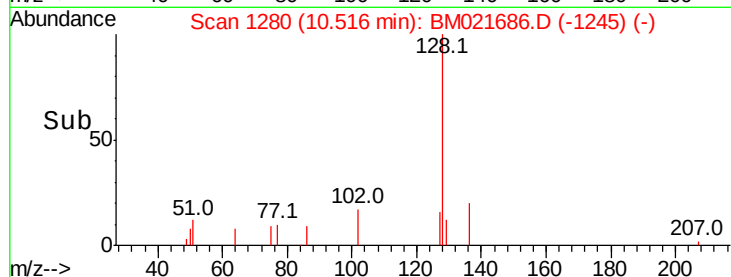
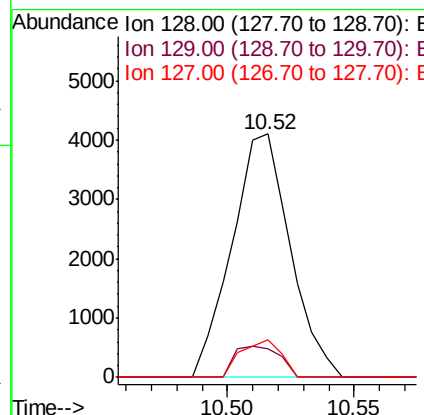
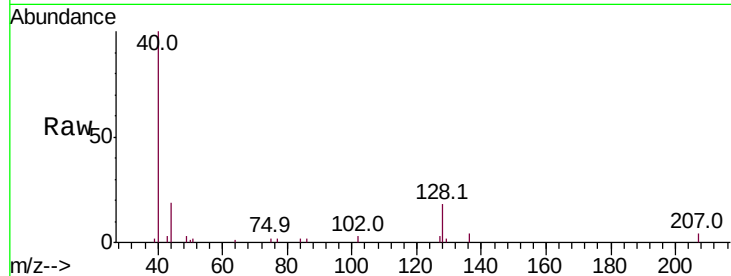




#28
Naphthalene
Concen: 0.203 ng/ul
RT: 10.52 min Scan# 1280
Delta R.T. 0.01 min
Lab File: BM021686.D
Acq: 27 Jul 2019 13:07

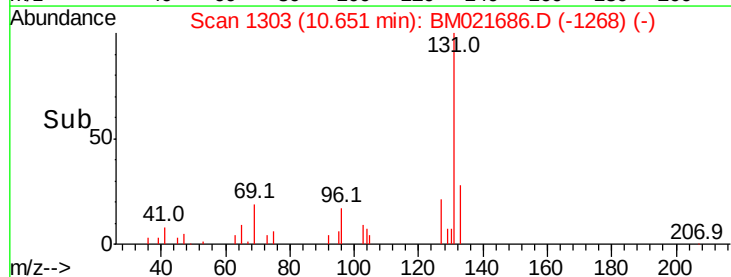
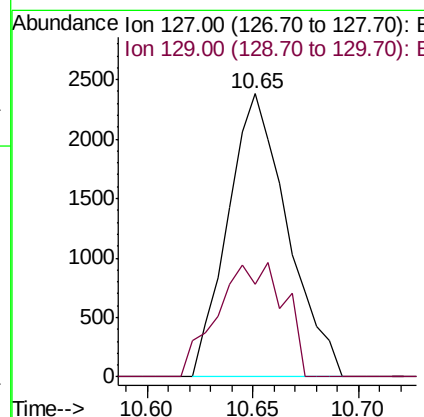
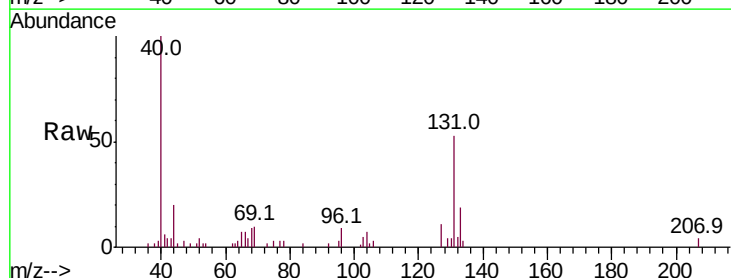
Instrument :
BNA_M
ClientSampled :

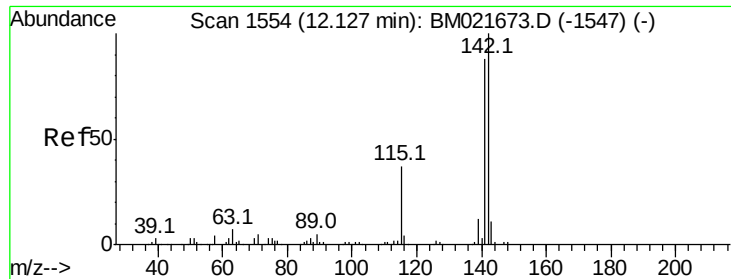
Tot Ion:128 Resp: 6582
Ion Ratio Lower Upper
128 100
129 12.0 9.0 13.4
127 15.6 10.5 15.7



#30
4-Chloroaniline
Concen: 0.445 ng/ul
RT: 10.65 min Scan# 1303
Delta R.T. 0.01 min
Lab File: BM021686.D
Acq: 27 Jul 2019 13:07

Tgt Ion:127 Resp: 4678
Ion Ratio Lower Upper
127 100
129 32.6 25.5 38.3





#34

2-Methylnaphthalene

Concen: 0.177 ng/ul

RT: 12.13 min Scan# 1555

Delta R.T. 0.01 min

Lab File: BM021686.D

Acq: 27 Jul 2019 13:07

Instrument :

BNA_M

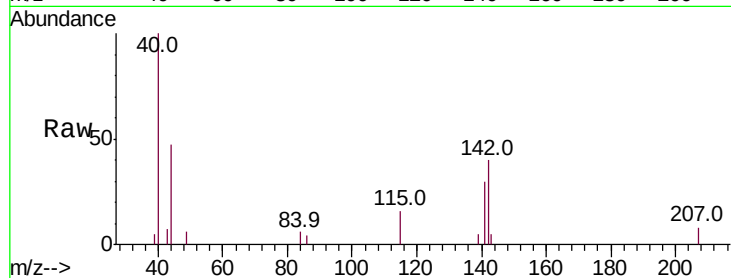
ClientSampleId :

Tot Ion:142 Resp: 4244

Ion Ratio Lower Upper

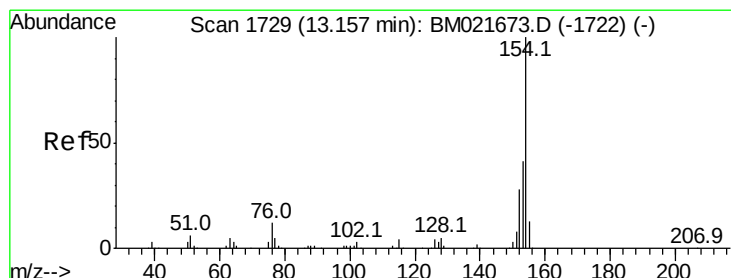
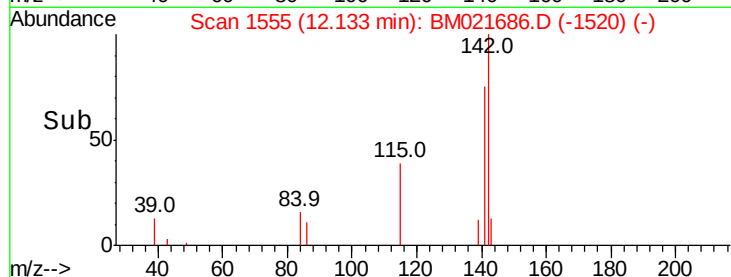
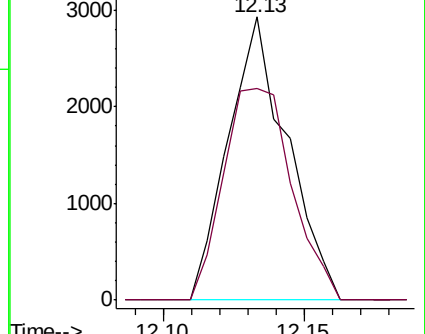
142 100

141 74.8 70.4 105.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#40

1,1'-Biphenyl

Concen: 0.041 ng/ul

RT: 13.16 min Scan# 1730

Delta R.T. 0.01 min

Lab File: BM021686.D

Acq: 27 Jul 2019 13:07

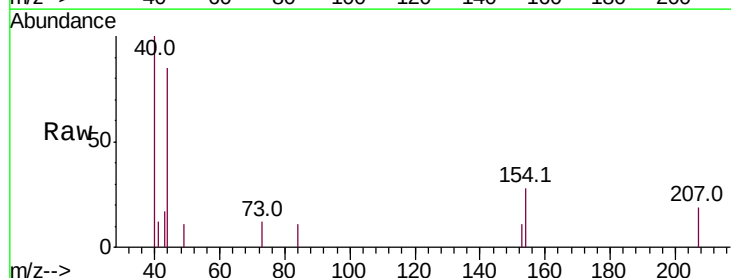
Tgt Ion:154 Resp: 1193

Ion Ratio Lower Upper

154 100

153 38.8 32.6 49.0

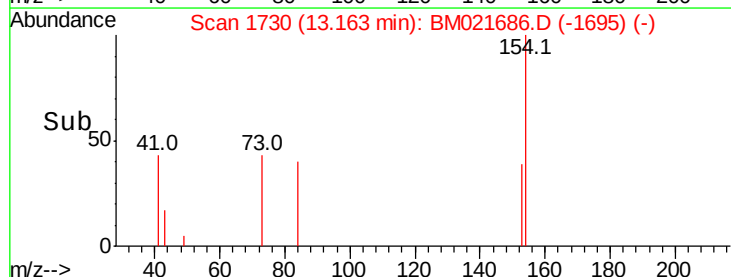
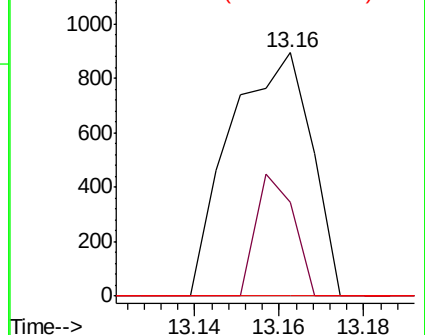
76 0.0 9.4 14.2#

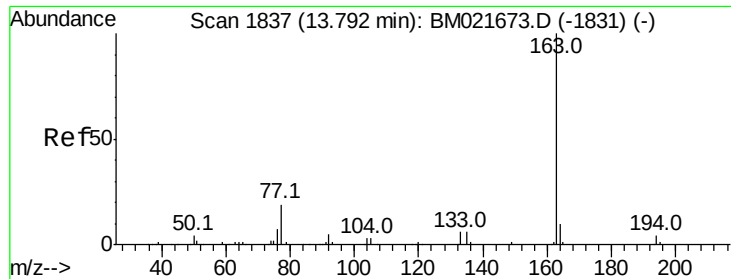


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM

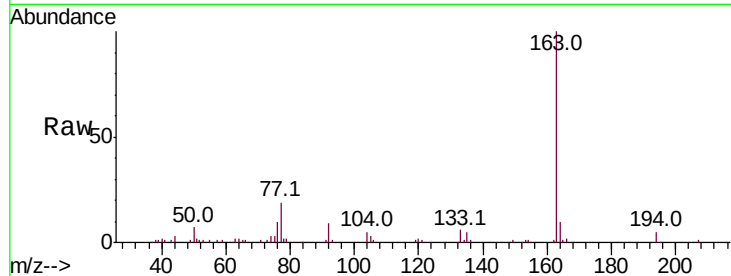




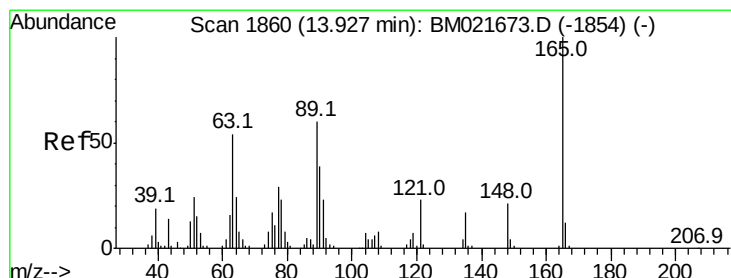
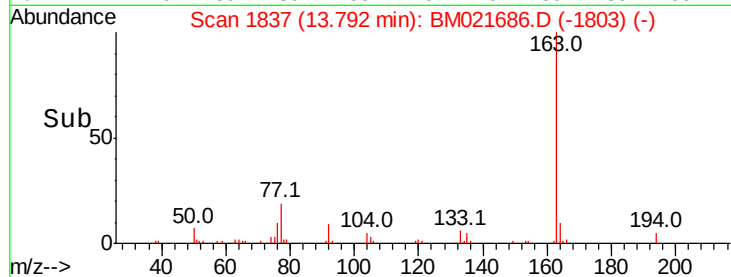
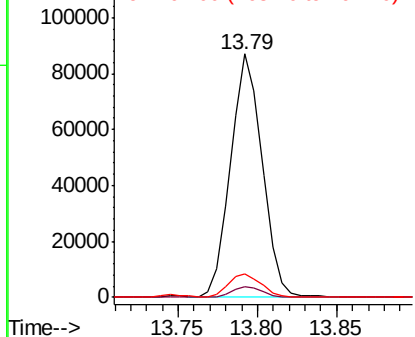
#44
Dimethylphthalate
Concen: 4.299 ng/ul
RT: 13.79 min Scan# 1837
Delta R.T. -0.00 min
Lab File: BM021686.D
Acq: 27 Jul 2019 13:07

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.5	5.3
164	9.9	8.1	12.1

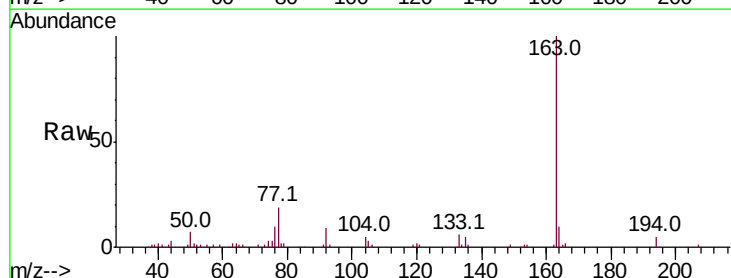


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

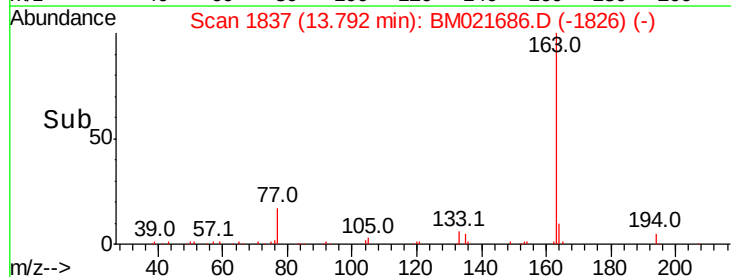
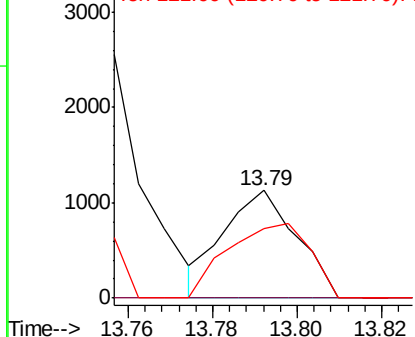


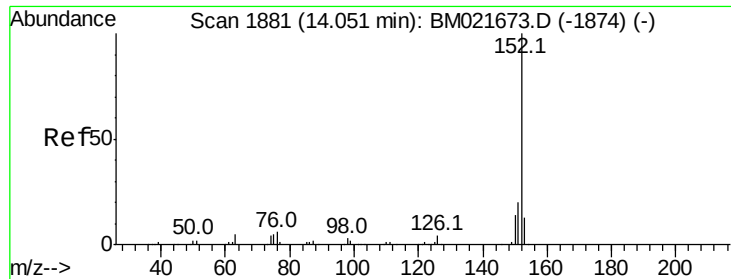
#45
2,6-Dinitrotoluene
Concen: 0.287 ng/ul
RT: 13.79 min Scan# 1837
Delta R.T. -0.14 min
Lab File: BM021686.D
Acq: 27 Jul 2019 13:07

Tgt Ion	Ratio	Lower	Upper
165	100		
89	0.0	48.3	72.5#
121	64.4	18.1	27.1#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 89.00 (88.70 to 89.70): BM0
Ion 121.00 (120.70 to 121.70): E





#47

Acenaphthylene

Concen: 0.637 ng/ul

RT: 14.05 min Scan# 1881

Delta R.T. -0.00 min

Lab File: BM021686.D

Acq: 27 Jul 2019 13:07

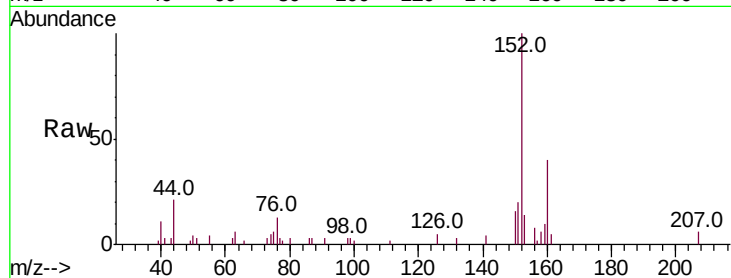
Instrument :

BNA_M

ClientSampleId :

Tot Ion:152 Resp: 21915

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.9	10.4	15.6

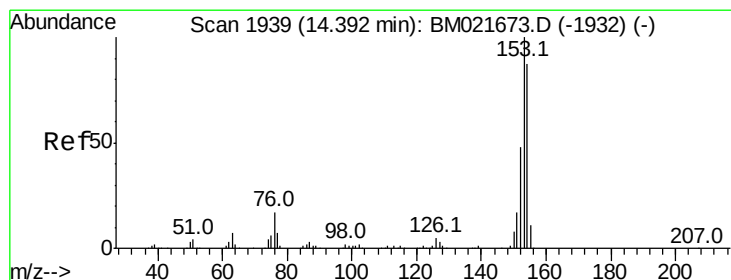
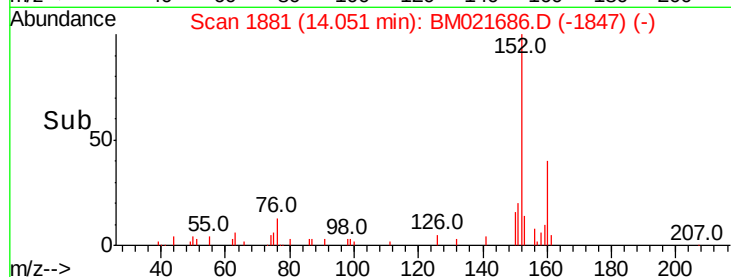
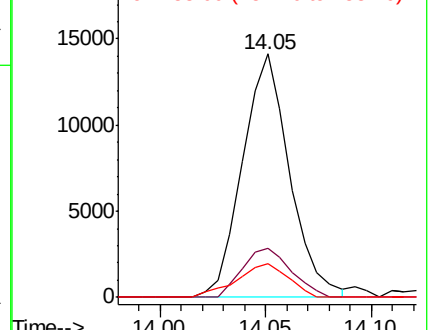


Abundance

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

Acenaphthene

Concen: 0.173 ng/ul

RT: 14.39 min Scan# 1939

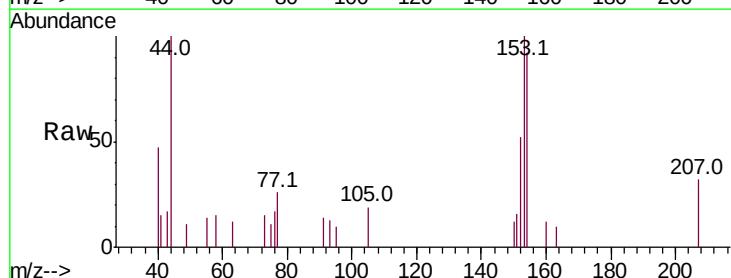
Delta R.T. -0.00 min

Lab File: BM021686.D

Acq: 27 Jul 2019 13:07

Tgt Ion:153 Resp: 4146

Ion	Ratio	Lower	Upper
153	100		
152	52.3	38.7	58.1
154	92.5	69.2	103.8

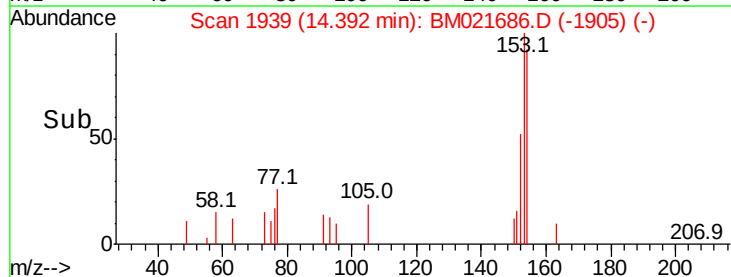
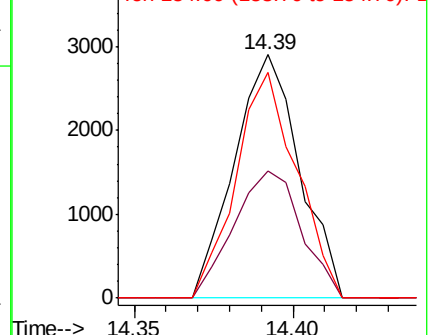


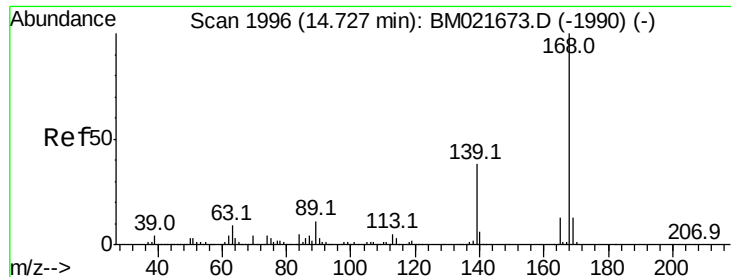
Abundance

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 0.136 ng/ul

RT: 14.73 min Scan# 1997

Delta R.T. 0.01 min

Lab File: BM021686.D

Acq: 27 Jul 2019 13:07

Instrument :

BNA_M

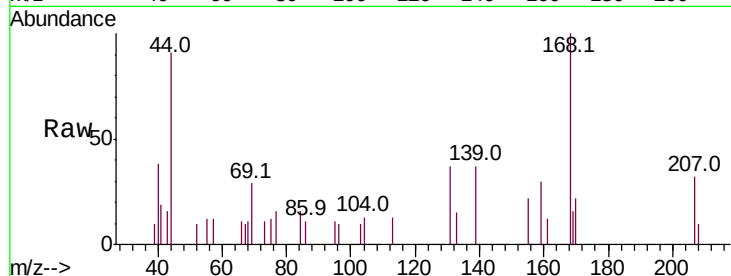
ClientSampleId :

Tot Ion:168 Resp: 4789

Ion Ratio Lower Upper

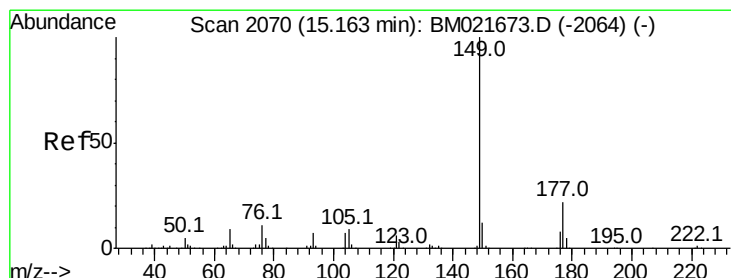
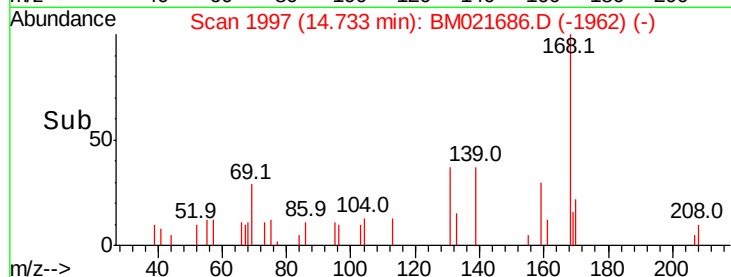
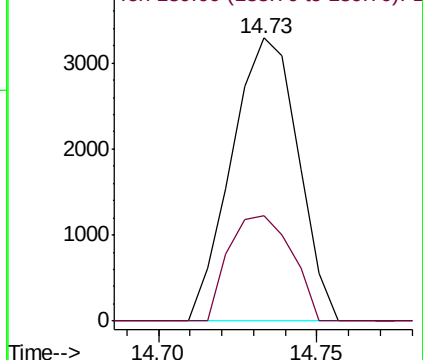
168 100

139 37.3 30.3 45.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#56

Diethylphthalate

Concen: 0.064 ng/ul

RT: 15.16 min Scan# 2070

Delta R.T. -0.00 min

Lab File: BM021686.D

Acq: 27 Jul 2019 13:07

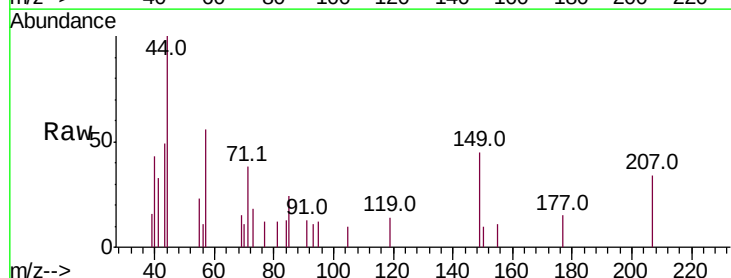
Tgt Ion:149 Resp: 1694

Ion Ratio Lower Upper

149 100

177 32.4 17.8 26.8#

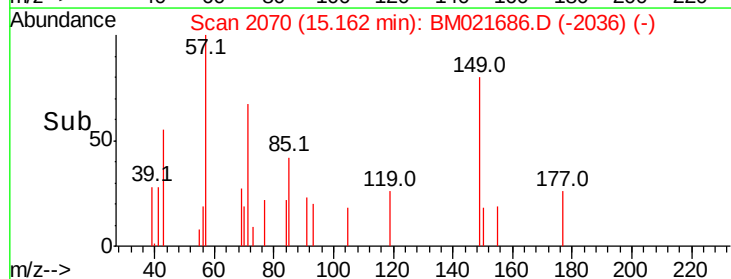
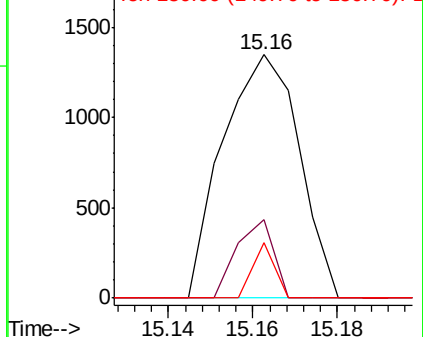
150 22.8 9.8 14.6#

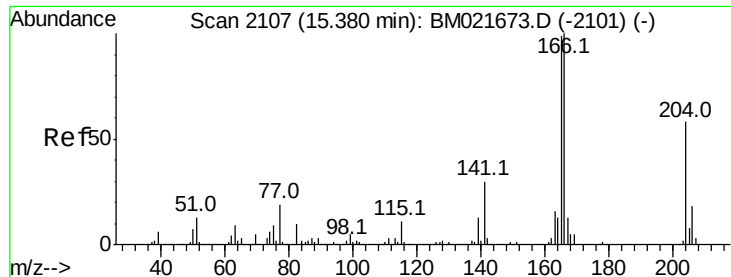


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

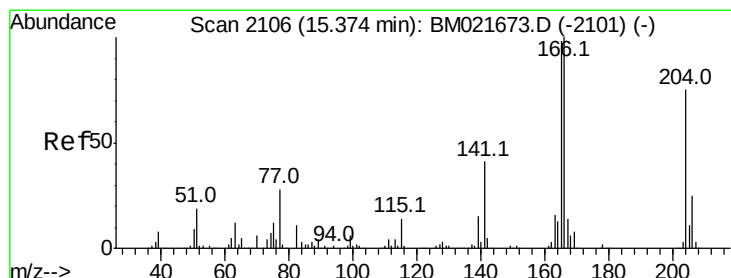
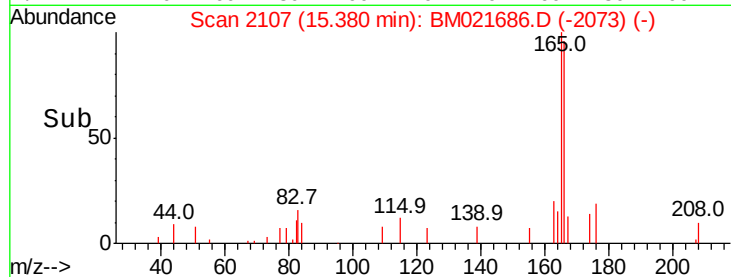
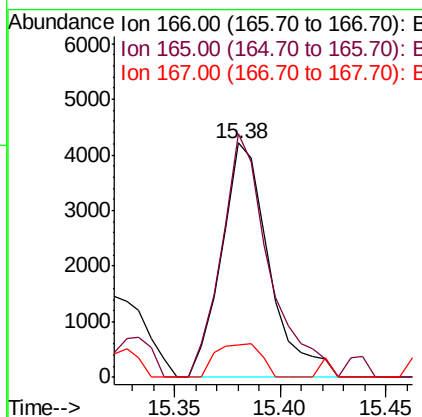
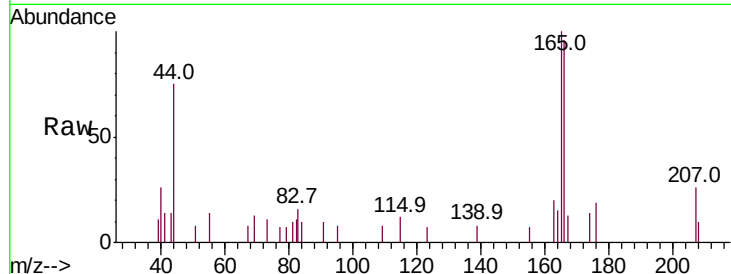




#58
 Fluorene
 Concen: 0.233 ng/ul
 RT: 15.38 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: BM021686.D
 Acq: 27 Jul 2019 13:07

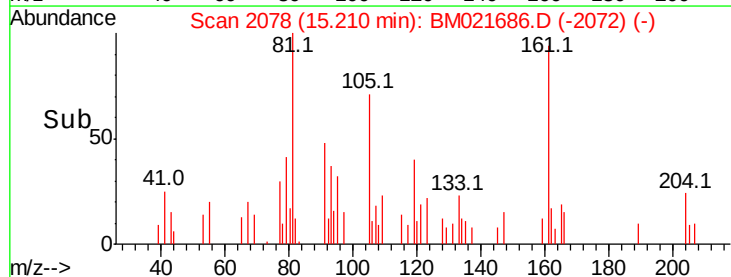
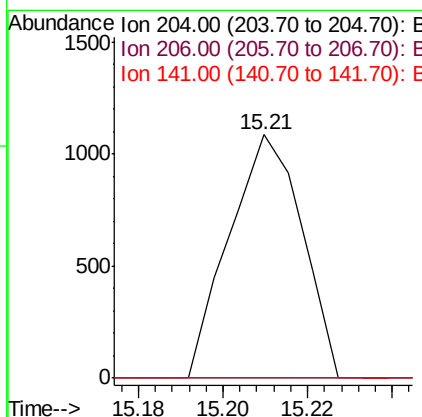
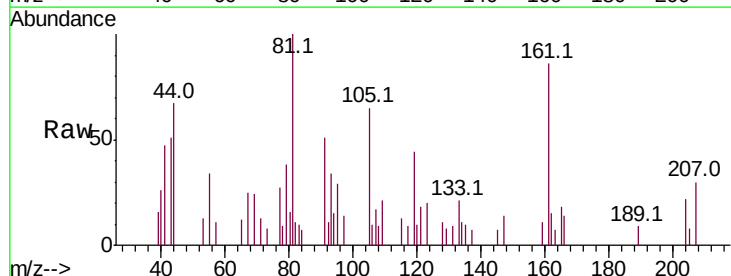
Instrument :
 BNA_M
 ClientSampled :

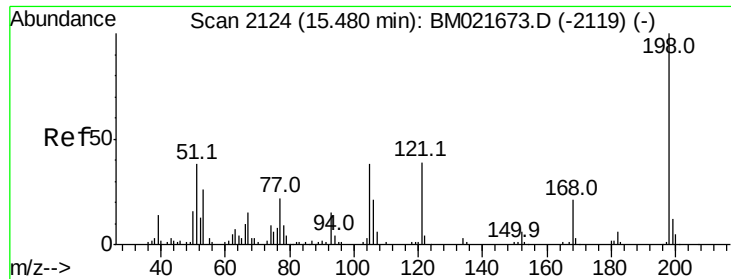
Tot Ion:166 Resp: 6555
 Ion Ratio Lower Upper
 166 100
 165 104.0 79.0 118.6
 167 13.8 10.8 16.2



#59
 4-Chlorophenyl-phenylether
 Concen: 0.082 ng/ul
 RT: 15.21 min Scan# 2078
 Delta R.T. -0.16 min
 Lab File: BM021686.D
 Acq: 27 Jul 2019 13:07

Tgt Ion:204 Resp: 1297
 Ion Ratio Lower Upper
 204 100
 206 0.0 26.4 39.6#
 141 0.0 44.2 66.4#

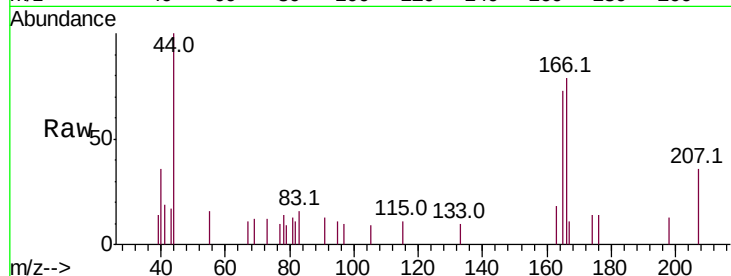




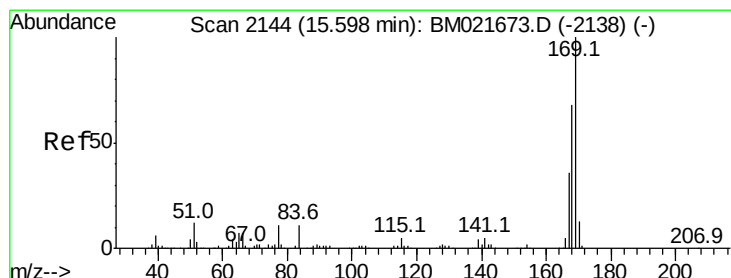
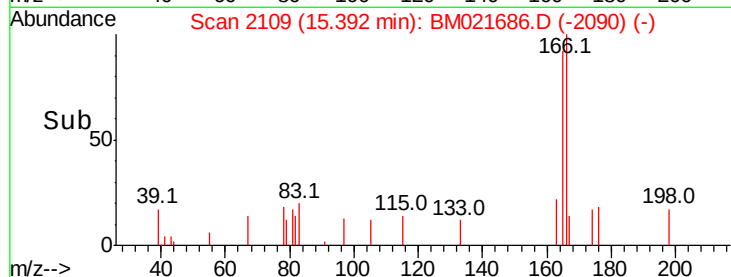
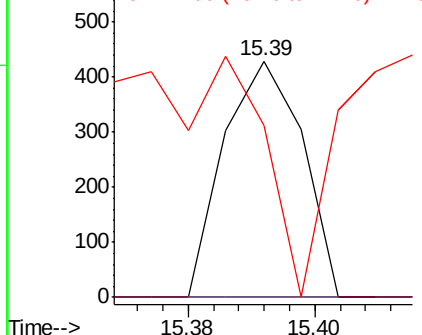
#63
 4,6-Dinitro-2-methylphenol
 Concen: 0.074 ng/ul
 RT: 15.39 min Scan# 2109
 Delta R.T. -0.09 min
 Lab File: BM021686.D
 Acq: 27 Jul 2019 13:07

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:198 Resp: 366
 Ion Ratio Lower Upper
 198 100
 182 0.0 5.6 8.4#
 77 72.7 19.3 28.9#

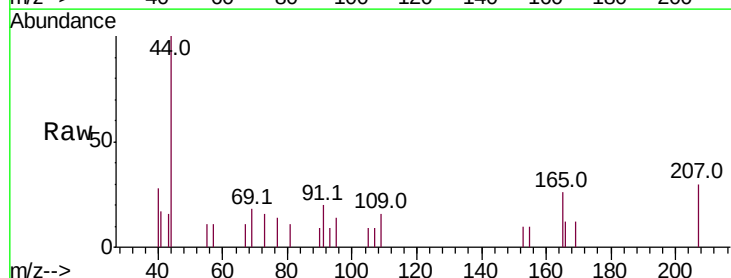


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): B

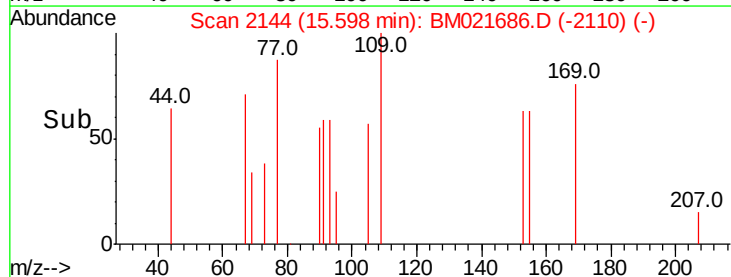
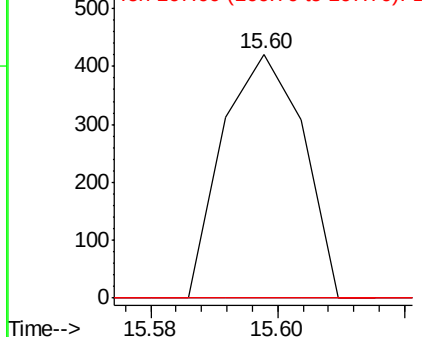


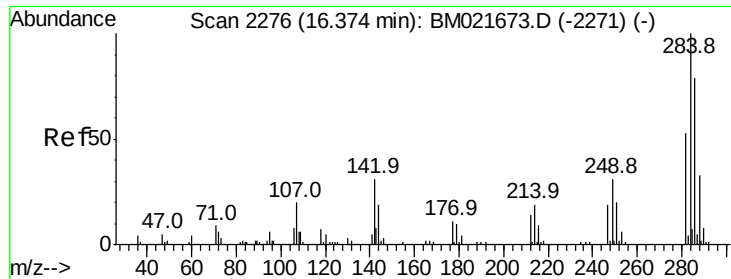
#64
 N-Nitrosodiphenylamine
 Concen: 0.016 ng/ul
 RT: 15.60 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: BM021686.D
 Acq: 27 Jul 2019 13:07

Tgt Ion:169 Resp: 367
 Ion Ratio Lower Upper
 169 100
 168 0.0 54.4 81.6#
 167 0.0 29.1 43.7#



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

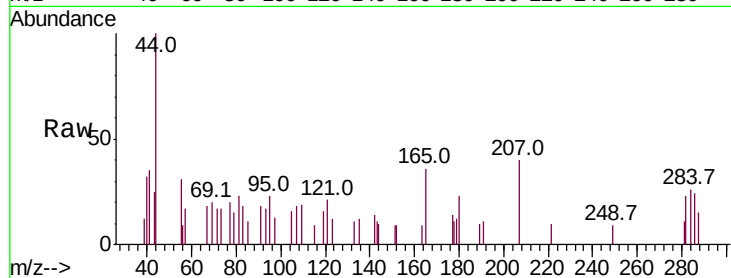




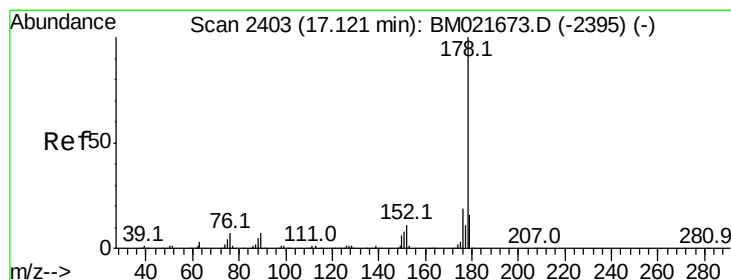
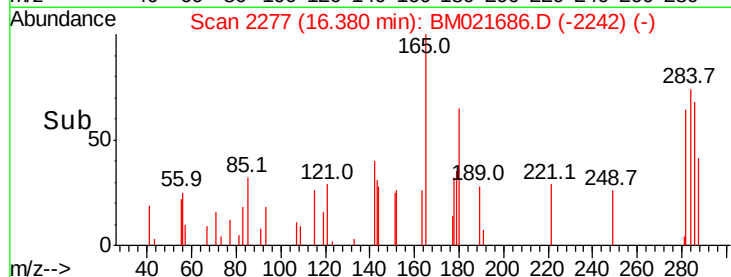
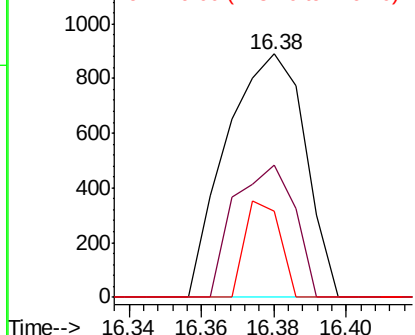
#66
Hexachlorobenzene
Concen: 0.119 ng/ul
RT: 16.38 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BM021686.D
Acq: 27 Jul 2019 13:07

Instrument :
BNA_M
ClientSampled :

Tot Ion:284 Resp: 1338
Ion Ratio Lower Upper
284 100
142 54.2 25.1 37.7#
249 35.5 24.6 36.8

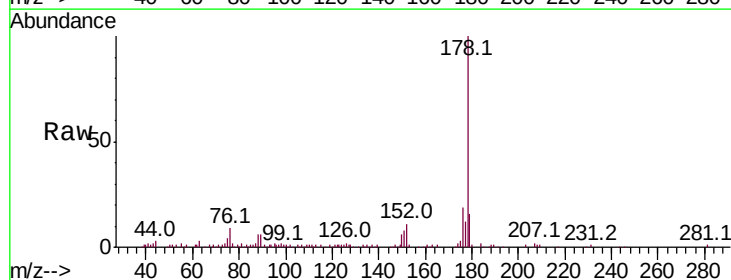


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

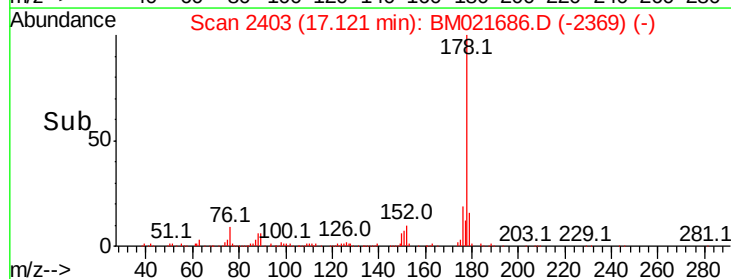
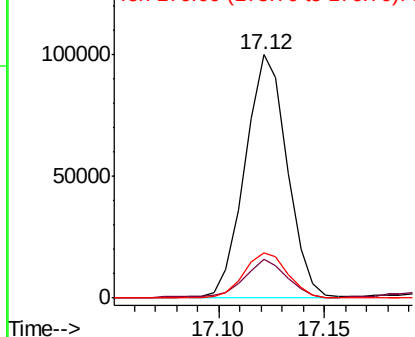


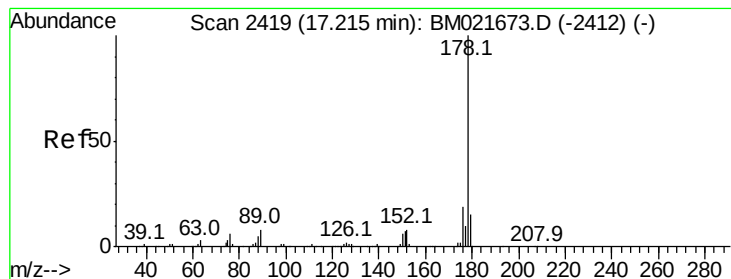
#69
Phenanthrene
Concen: 3.234 ng/ul
RT: 17.12 min Scan# 2403
Delta R.T. -0.00 min
Lab File: BM021686.D
Acq: 27 Jul 2019 13:07

Tgt Ion:178 Resp: 138245
Ion Ratio Lower Upper
178 100
179 15.7 12.5 18.7
176 18.7 15.4 23.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 0.696 ng/ul

RT: 17.22 min Scan# 2419

Delta R.T. -0.00 min

Lab File: BM021686.D

Acq: 27 Jul 2019 13:07

Instrument :

BNA_M

ClientSampleId :

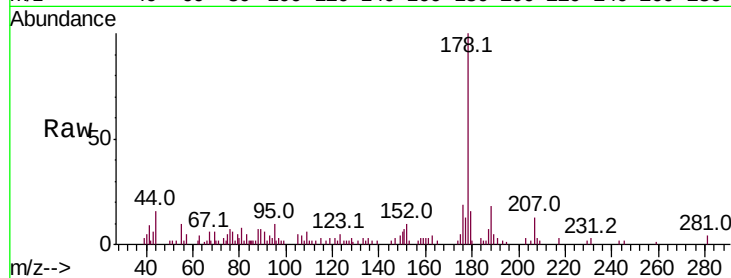
Tot Ion:178 Resp: 30498

Ion Ratio Lower Upper

178 100

179 16.5 12.3 18.5

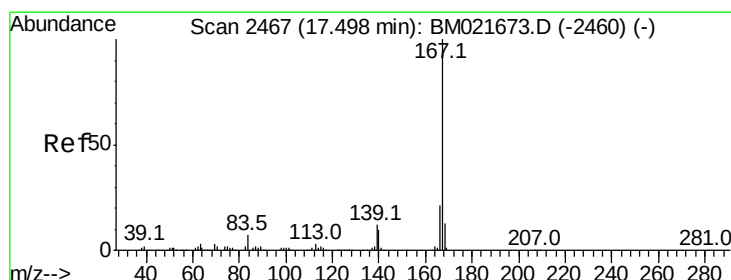
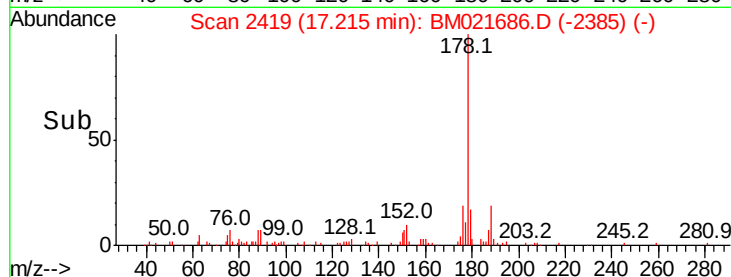
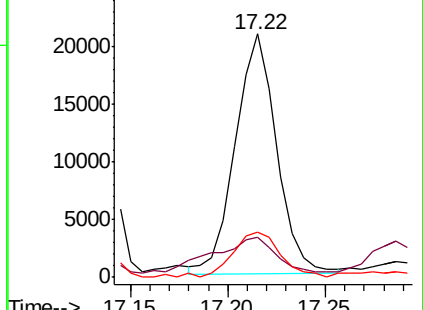
176 18.6 14.8 22.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#74

Carbazole

Concen: 0.485 ng/ul

RT: 17.50 min Scan# 2467

Delta R.T. -0.00 min

Lab File: BM021686.D

Acq: 27 Jul 2019 13:07

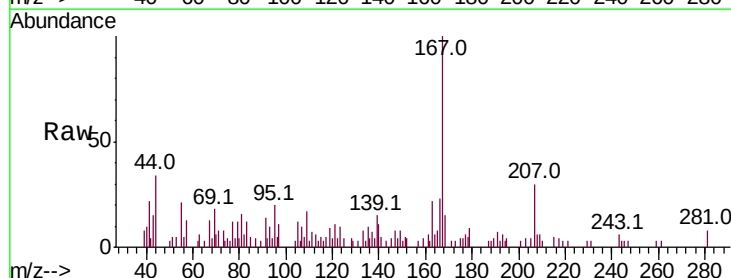
Tgt Ion:167 Resp: 17570

Ion Ratio Lower Upper

167 100

166 22.9 17.0 25.4

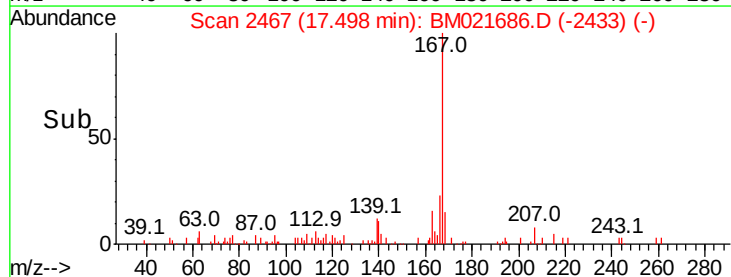
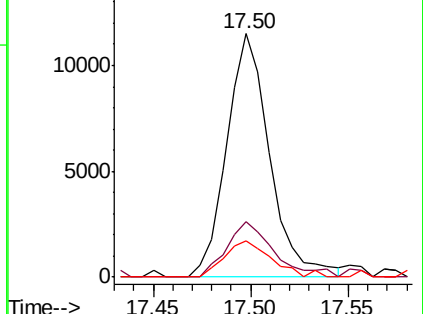
139 14.9 10.0 15.0

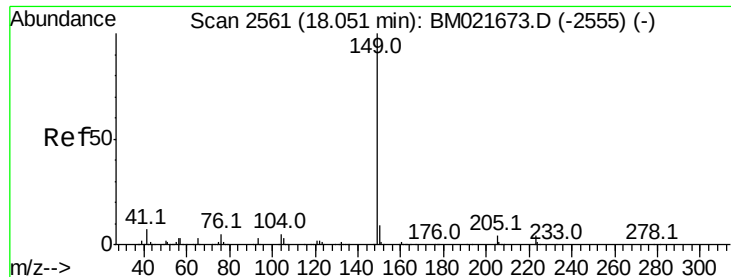


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

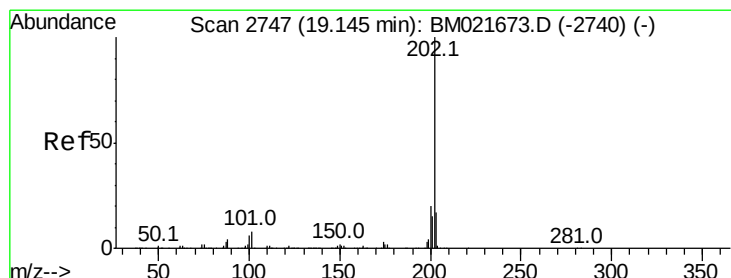
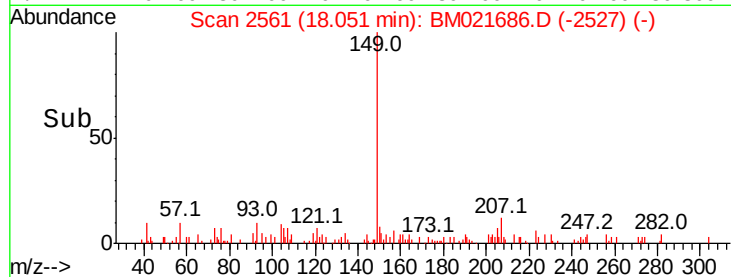
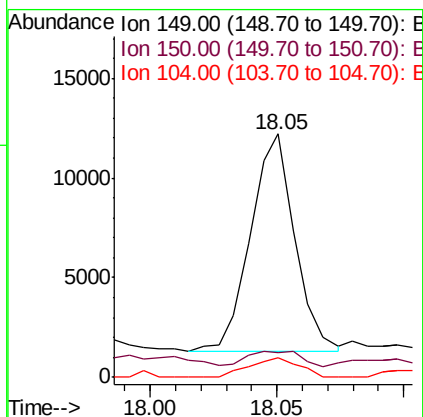
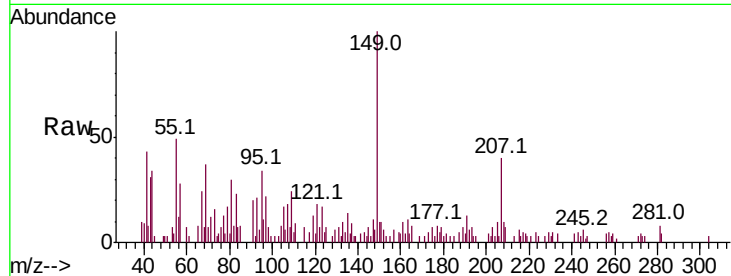




#75
Di-n-butylphthalate
Concen: 0.330 ng/ul
RT: 18.05 min Scan# 2561
Delta R.T. -0.00 min
Lab File: BM021686.D
Acq: 27 Jul 2019 13:07

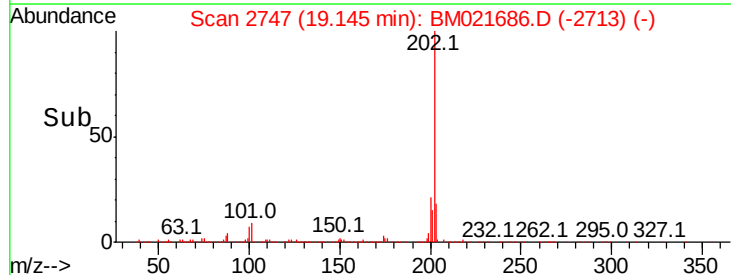
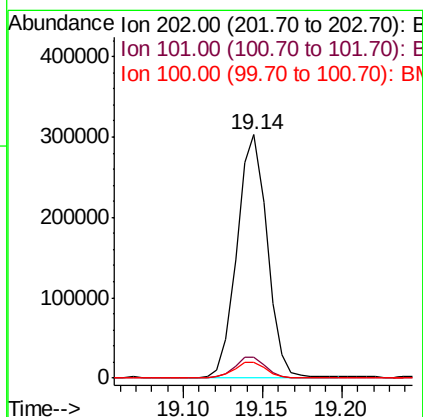
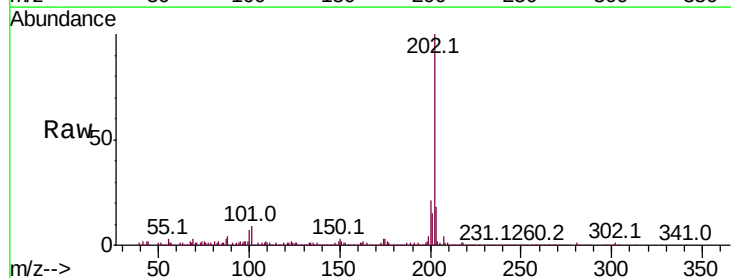
Instrument :
BNA_M
ClientSampleId :

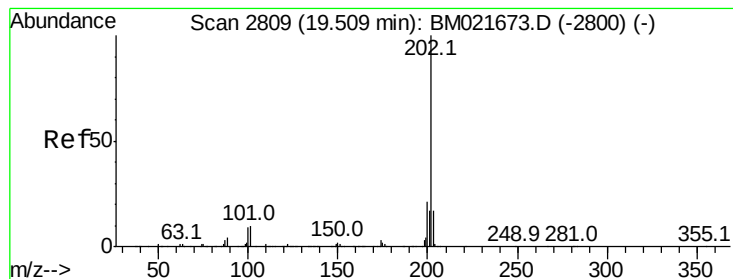
Tot Ion:149 Resp: 13200
Ion Ratio Lower Upper
149 100
150 10.3 7.1 10.7
104 8.0 4.2 6.2#



#76
Fluoranthene
Concen: 7.980 ng/ul
RT: 19.14 min Scan# 2747
Delta R.T. -0.00 min
Lab File: BM021686.D
Acq: 27 Jul 2019 13:07

Tgt Ion:202 Resp: 398012
Ion Ratio Lower Upper
202 100
101 8.8 6.7 10.1
100 6.7 5.1 7.7





#79

Pvrene

Concen: 6.495 ng/ul

RT: 19.51 min Scan# 2809

Delta R.T. -0.00 min

Lab File: BM021686.D

Acq: 27 Jul 2019 13:07

Instrument :

BNA_M

ClientSampleId :

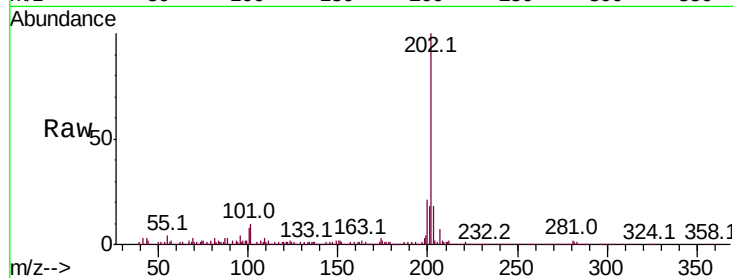
Tot Ion:202 Resp: 344300

Ion Ratio Lower Upper

202 100

101 10.2 8.2 12.2

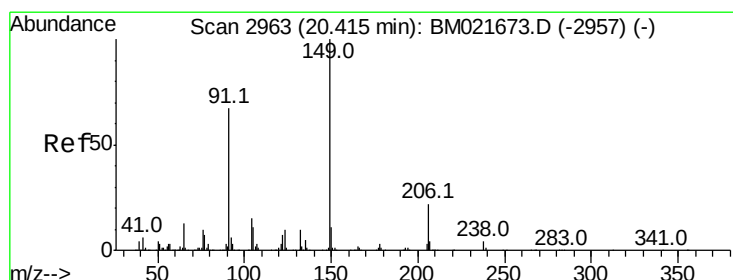
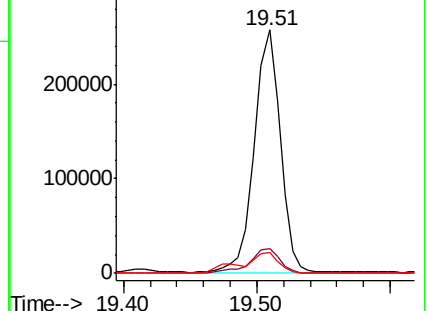
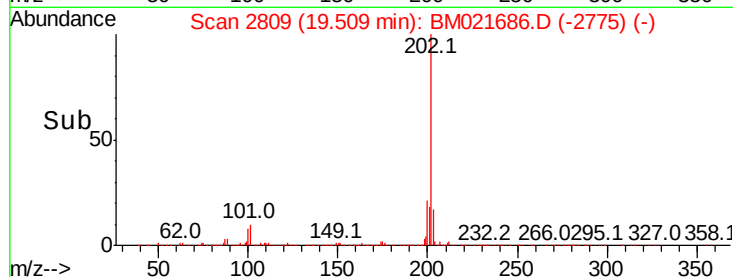
100 8.3 7.0 10.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Butylbenzylphthalate

Concen: 0.314 ng/ul

RT: 20.41 min Scan# 2962

Delta R.T. -0.01 min

Lab File: BM021686.D

Acq: 27 Jul 2019 13:07

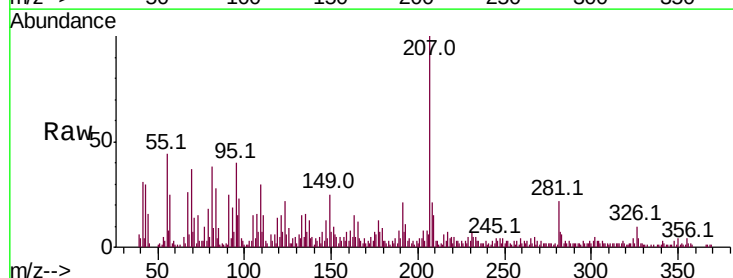
Tgt Ion:149 Resp: 5136

Ion Ratio Lower Upper

149 100

91 96.6 53.4 80.0#

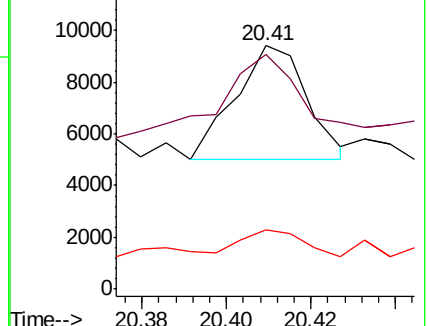
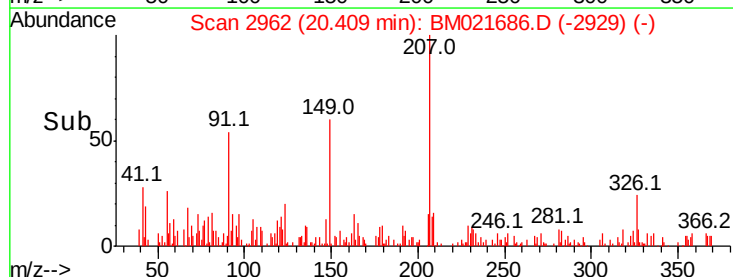
206 24.2 17.9 26.9

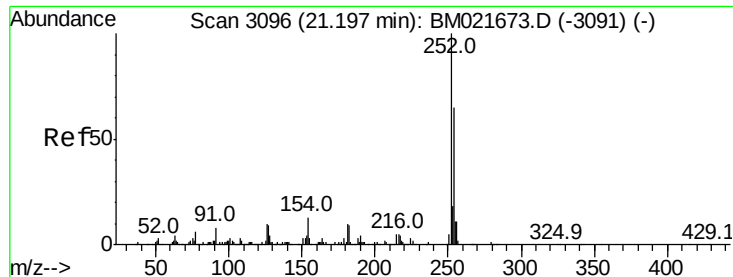


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): B

Ion 206.00 (205.70 to 206.70): E





#81

3,3'-Dichlorobenzidine

Concen: 0.200 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM021686.D

Acq: 27 Jul 2019 13:07

Instrument :

BNA_M

ClientSampleId :

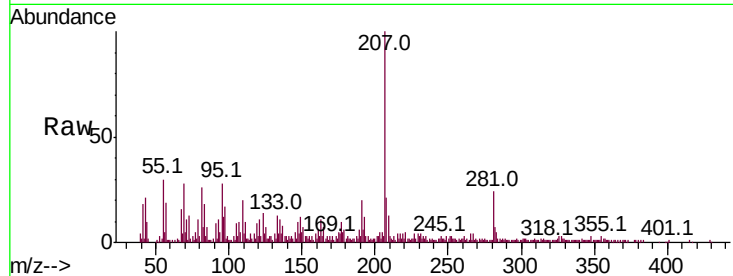
Tot Ion:252 Resp: 2596

Ion Ratio Lower Upper

252 100

254 67.4 51.9 77.9

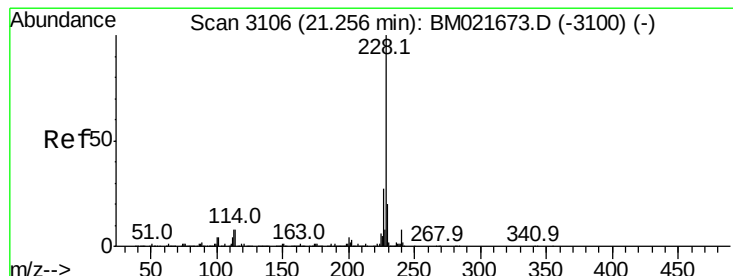
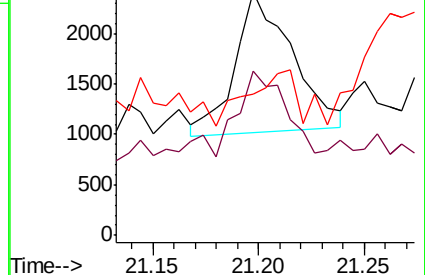
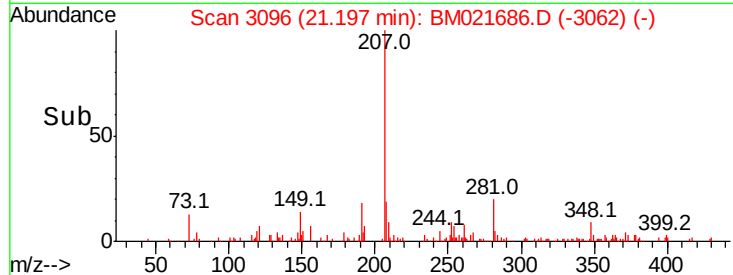
126 57.9 8.2 12.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82

Benzo(a)anthracene

Concen: 3.872 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. -0.00 min

Lab File: BM021686.D

Acq: 27 Jul 2019 13:07

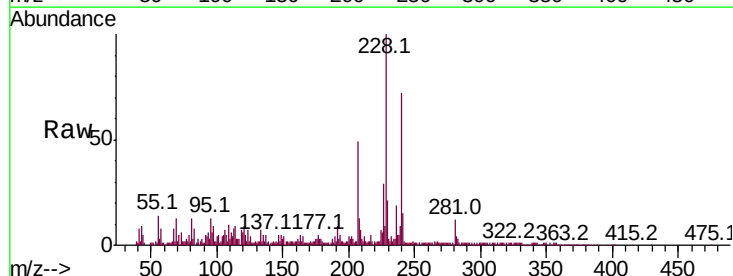
Tgt Ion:228 Resp: 200315

Ion Ratio Lower Upper

228 100

229 20.6 15.7 23.5

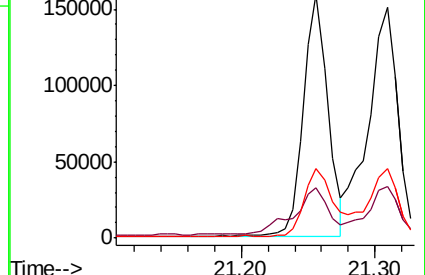
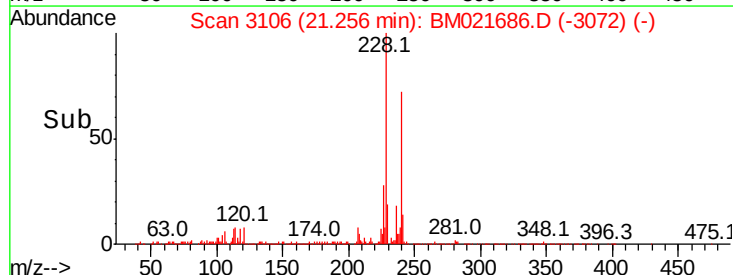
226 28.7 21.4 32.2

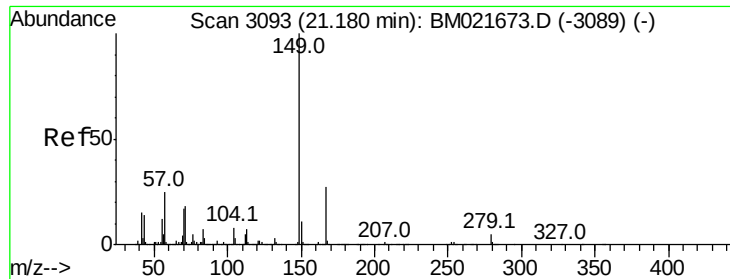


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

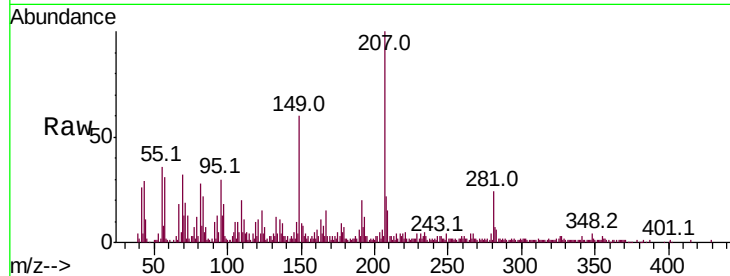




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.596 ng/ul
 RT: 21.18 min Scan# 3093
 Delta R.T. -0.00 min
 Lab File: BM021686.D
 Acq: 27 Jul 2019 13:07

Instrument :
 BNA_M
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.1	21.6	32.4
279	6.2	3.8	5.6

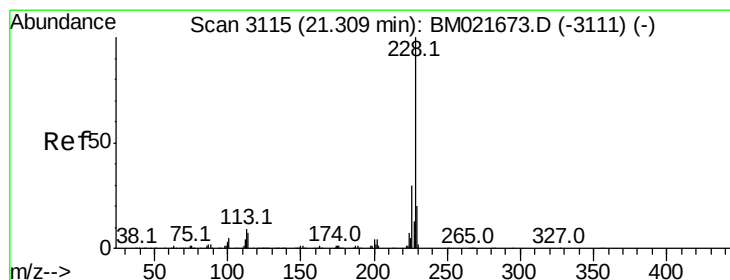
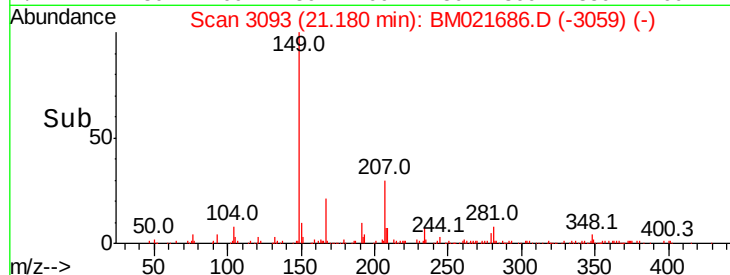
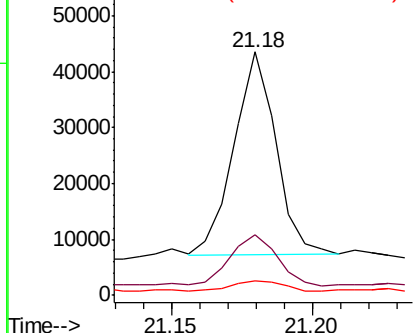


Abundance

Ion 149.00 (148.70 to 149.70): E

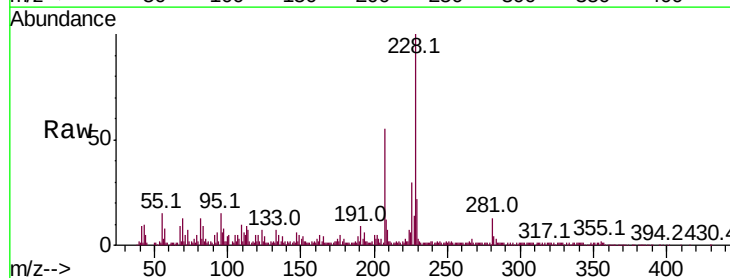
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84
 Chrysene
 Concen: 4.675 ng/ul
 RT: 21.31 min Scan# 3115
 Delta R.T. -0.00 min
 Lab File: BM021686.D
 Acq: 27 Jul 2019 13:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.0	36.0
229	22.4	15.7	23.5

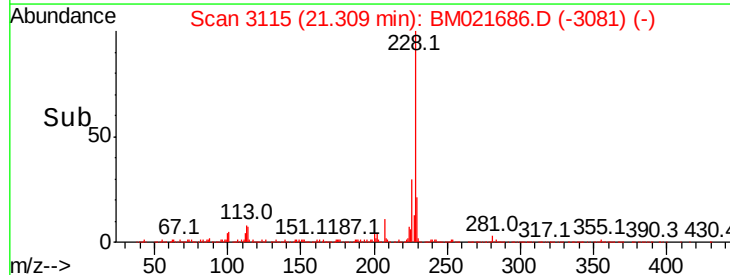
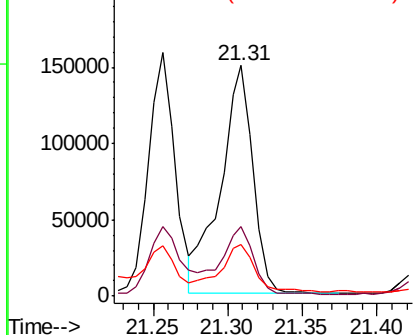


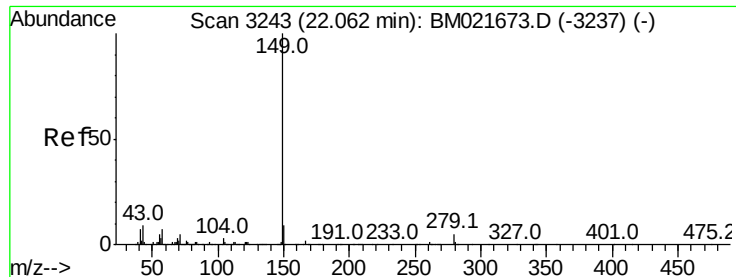
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

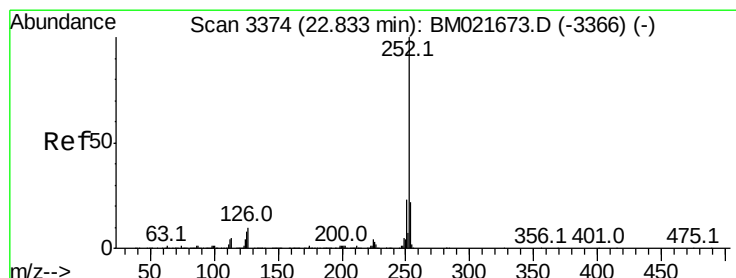
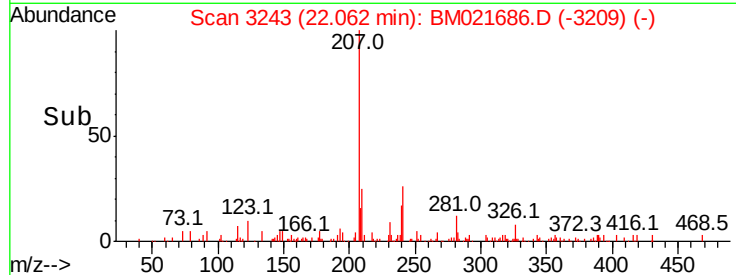
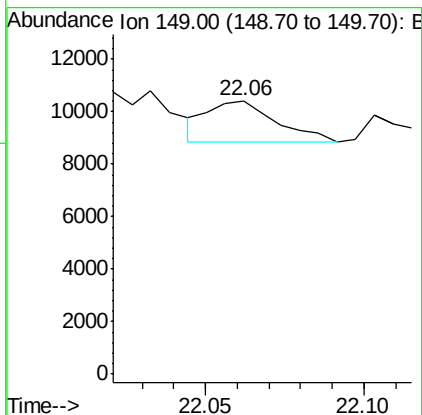
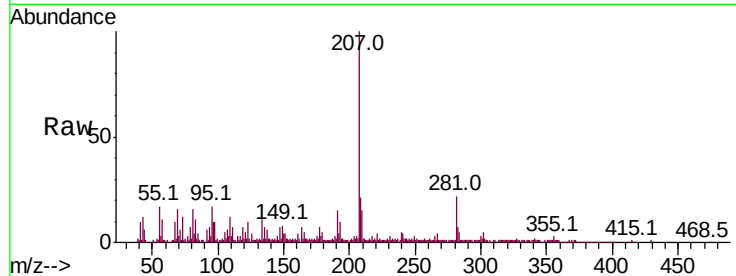




#86
Di-n-octyl phthalate
Concen: 0.045 ng/ul
RT: 22.06 min Scan# 3243
Delta R.T. -0.00 min
Lab File: BM021686.D
Acq: 27 Jul 2019 13:07

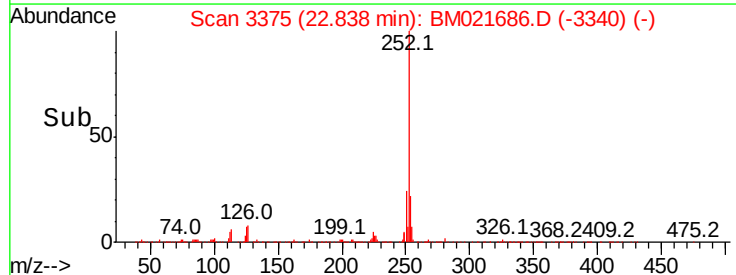
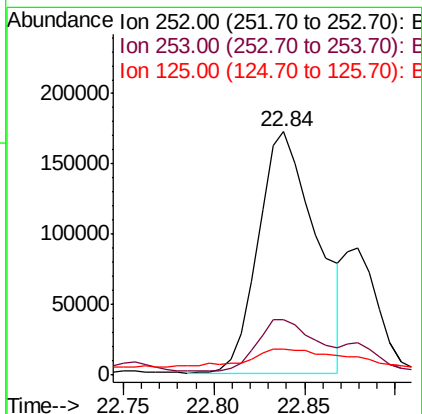
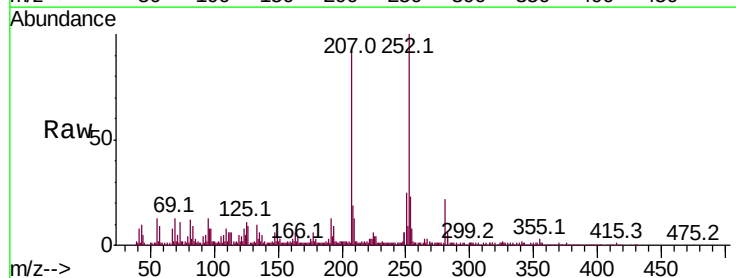
Instrument :
BNA_M
ClientSampleId :

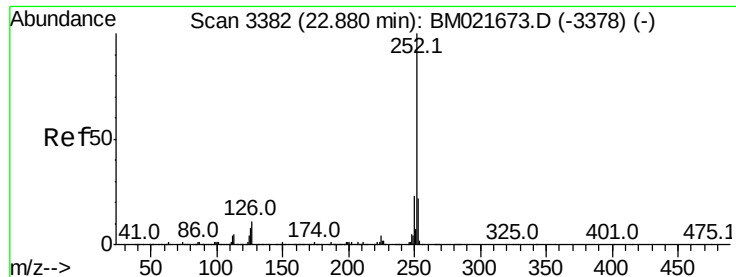
Tgt Ion:149 Resp: 2323



#87
Benzo(b)fluoranthene
Concen: 6.469 ng/ul
RT: 22.84 min Scan# 3375
Delta R.T. 0.01 min
Lab File: BM021686.D
Acq: 27 Jul 2019 13:07

Tgt Ion:252 Resp: 382065
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 10.6 6.3 9.5#





#88

Benzo(k)fluoranthene

Concen: 6.617 ng/ul

RT: 22.84 min Scan# 3375

Delta R.T. -0.04 min

Lab File: BM021686.D

Acq: 27 Jul 2019 13:07

Instrument :

BNA_M

ClientSampleId :

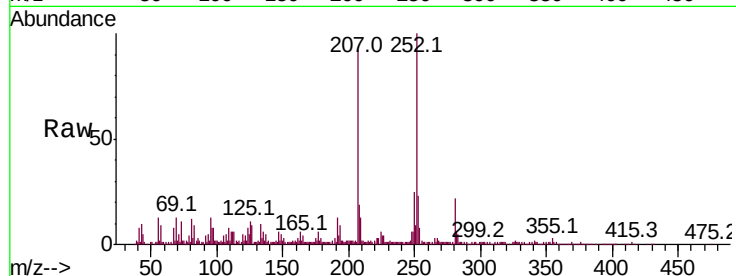
Tot Ion:252 Resp: 382065

Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

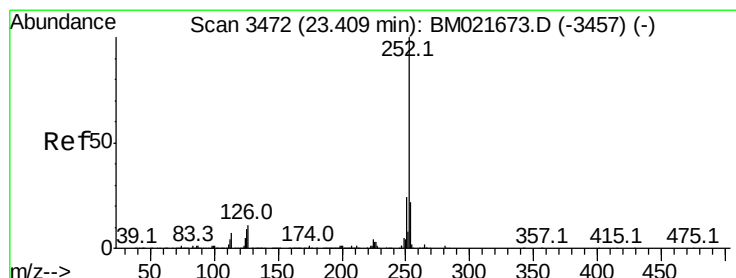
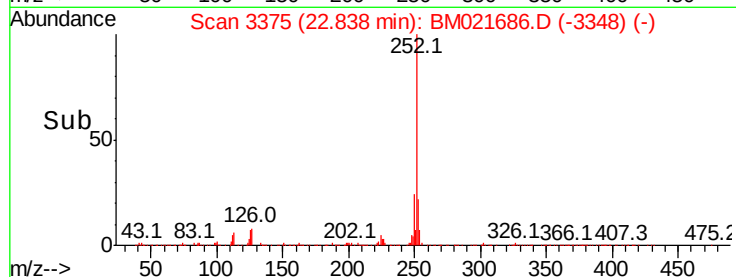
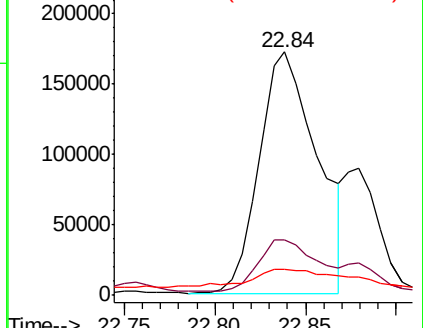
125 10.6 6.3 9.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 4.235 ng/ul

RT: 23.41 min Scan# 3472

Delta R.T. -0.00 min

Lab File: BM021686.D

Acq: 27 Jul 2019 13:07

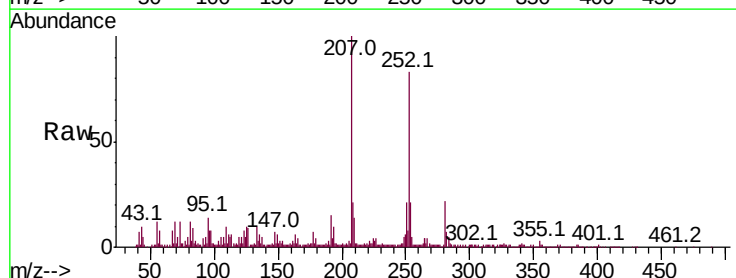
Tgt Ion:252 Resp: 234167

Ion Ratio Lower Upper

252 100

253 24.8 17.5 26.3

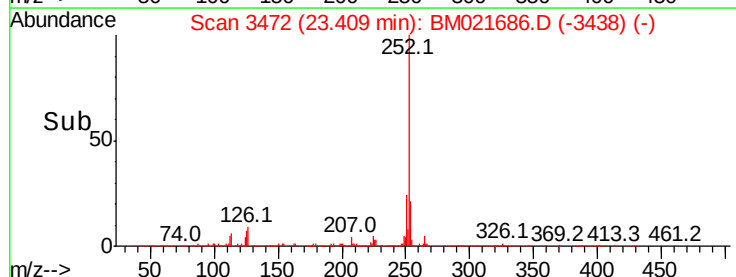
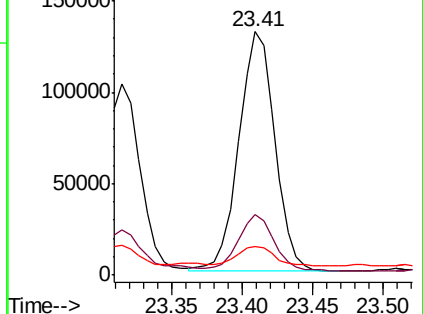
125 11.6 7.0 10.6#

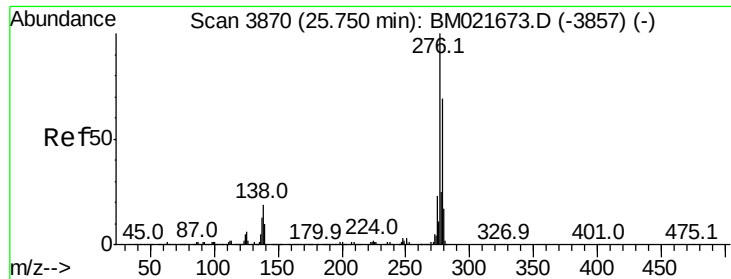


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



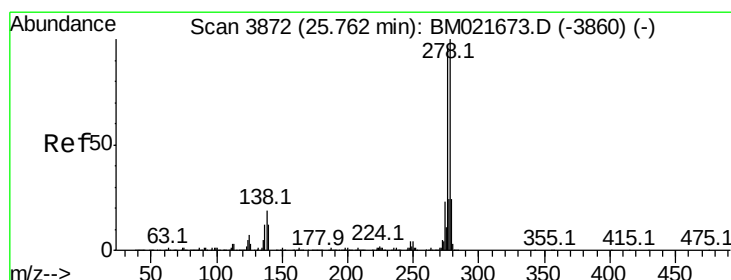
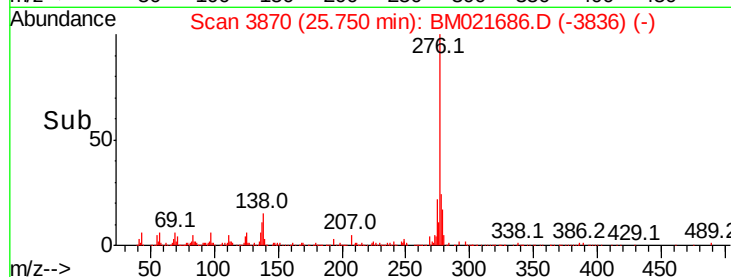
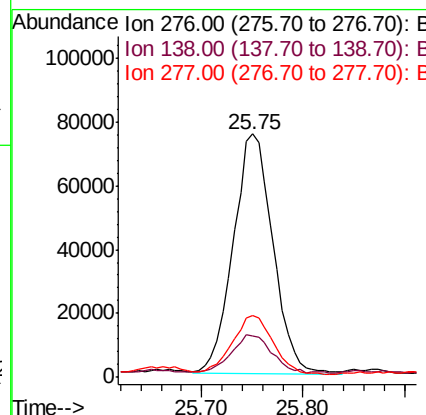
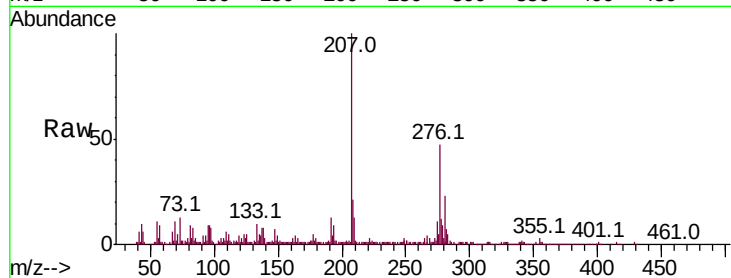


#91

Indeno(1,2,3-cd)pyrene
Concen: 3.164 ng/ul
RT: 25.75 min Scan# 3870
Delta R.T. -0.00 min
Lab File: BM021686.D
Acq: 27 Jul 2019 13:07

Instrument :
BNA_M
ClientSampleId :

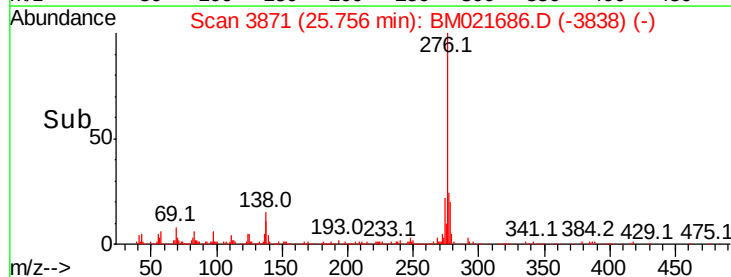
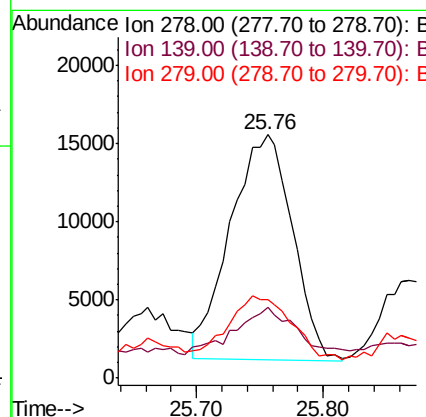
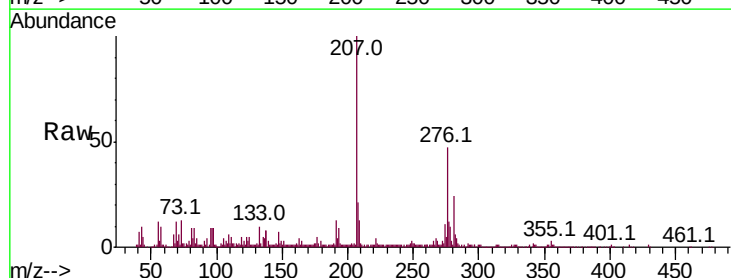
Tot Ion	Ratio	Lower	Upper
276	100		
138	17.2	14.8	22.2
277	25.4	19.7	29.5

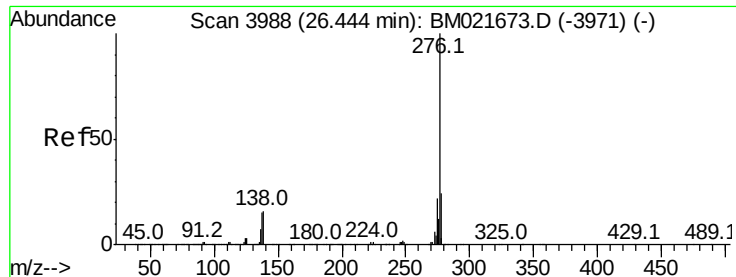


#92

Dibenzo(a,h)anthracene
Concen: 0.917 ng/ul
RT: 25.76 min Scan# 3871
Delta R.T. -0.01 min
Lab File: BM021686.D
Acq: 27 Jul 2019 13:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.9	9.6	14.4#
279	32.1	19.2	28.8#





#93

Benzo(a,h,i)perylene

Concen: 3.386 ng/ul

RT: 26.44 min Scan# 3987

Delta R.T. -0.01 min

Lab File: BM021686.D

Acq: 27 Jul 2019 13:07

Instrument :

BNA_M

ClientSampleId :

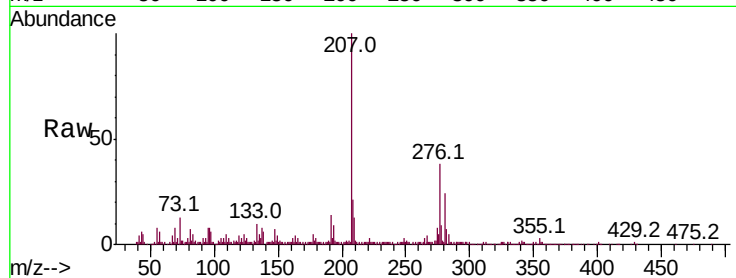
Tot Ion:276 Resp: 180536

Ion Ratio Lower Upper

276 100

138 16.4 13.1 19.7

277 24.2 19.0 28.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

