

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072719\
 Data File : BM021681.D
 Acq On : 27 Jul 2019 10:05
 Operator : HP/JU
 Sample : K3893-06MS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 29 04:46:54 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	149460	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	595748	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	353635	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	689581	20.00	ng/ul	0.00
77) Chrysene-d12	21.27	240	657687	20.00	ng/ul	0.00
85) Perylene-d12	23.51	264	765370	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	18670	6.01	ng/uL	0.00
5) Phenol-d5	6.86	99	382951	34.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	248789	38.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	347704	37.27	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	297692	31.55	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	181979	40.85	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	204210	41.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	387640	36.89	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	309246	31.12	ng/ul	0.00
43) Dimethylphthalate-d6	13.74	166	1172308	42.95	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	1350441	41.63	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	77112	18.61	ng/ul	0.00
57) Fluorene-d10	15.32	176	1008842	42.13	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	85382	19.92	ng/ul	0.00
70) Anthracene-d10	17.18	188	1455415	41.94	ng/ul	0.00
78) Pyrene-d10	19.48	212	1514272	41.04	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.37	264	1653792	40.84	ng/ul	0.00

Target Compounds

				Ovalue	
2) 1,4-Dioxane	3.26	88	211	0.068	ng/uL# 1
4) Benzaldehyde	6.85	77	2920	0.528	ng/ul# 67
6) Phenol	6.89	94	341547	28.467	ng/ul 96
8) Bis(2-Chloroethyl)ether	7.12	93	562	0.062	ng/ul# 20
10) 2-Chlorophenol	7.25	128	309052	30.885	ng/ul 96
12) 2,2'-oxybis(1-Chloropropan	8.21	45	134	0.012	ng/ul# 63
14) Acetophenone	8.52	105	6683	0.425	ng/ul 96
15) N-Nitroso-di-n-propylamine	8.49	70	258185	33.536	ng/ul 99
16) 4-Methylphenol	8.46	108	1065	0.104	ng/ul 98
20) Nitrobenzene	8.84	77	2190	0.184	ng/ul# 38
21) Isophorone	9.56	82	18164	0.849	ng/ul# 72
28) Naphthalene	10.51	128	12452	0.379	ng/ul 98
30) 4-Chloroaniline	10.65	127	1401	0.131	ng/ul# 82
32) Caprolactam	11.76	113	8283	3.138	ng/ul# 23
33) 4-Chloro-3-methylphenol	11.76	107	319770	30.532	ng/ul 97
34) 2-Methylnaphthalene	12.13	142	6873	0.282	ng/ul 87
40) 1,1'-Biphenyl	13.16	154	2141	0.072	ng/ul# 88
44) Dimethylphthalate	13.79	163	200873	7.090	ng/ul 99
45) 2,6-Dinitrotoluene	13.79	165	2280	0.484	ng/ul# 49
47) Acenaphthylene	14.05	152	35234	1.014	ng/ul 97
48) 3-Nitroaniline	14.39	138	842	0.220	ng/ul# 1
49) Acenaphthene	14.39	153	877123	36.195	ng/ul 99
52) 4-Nitrophenol	14.57	109	73201	19.511	ng/ul 97

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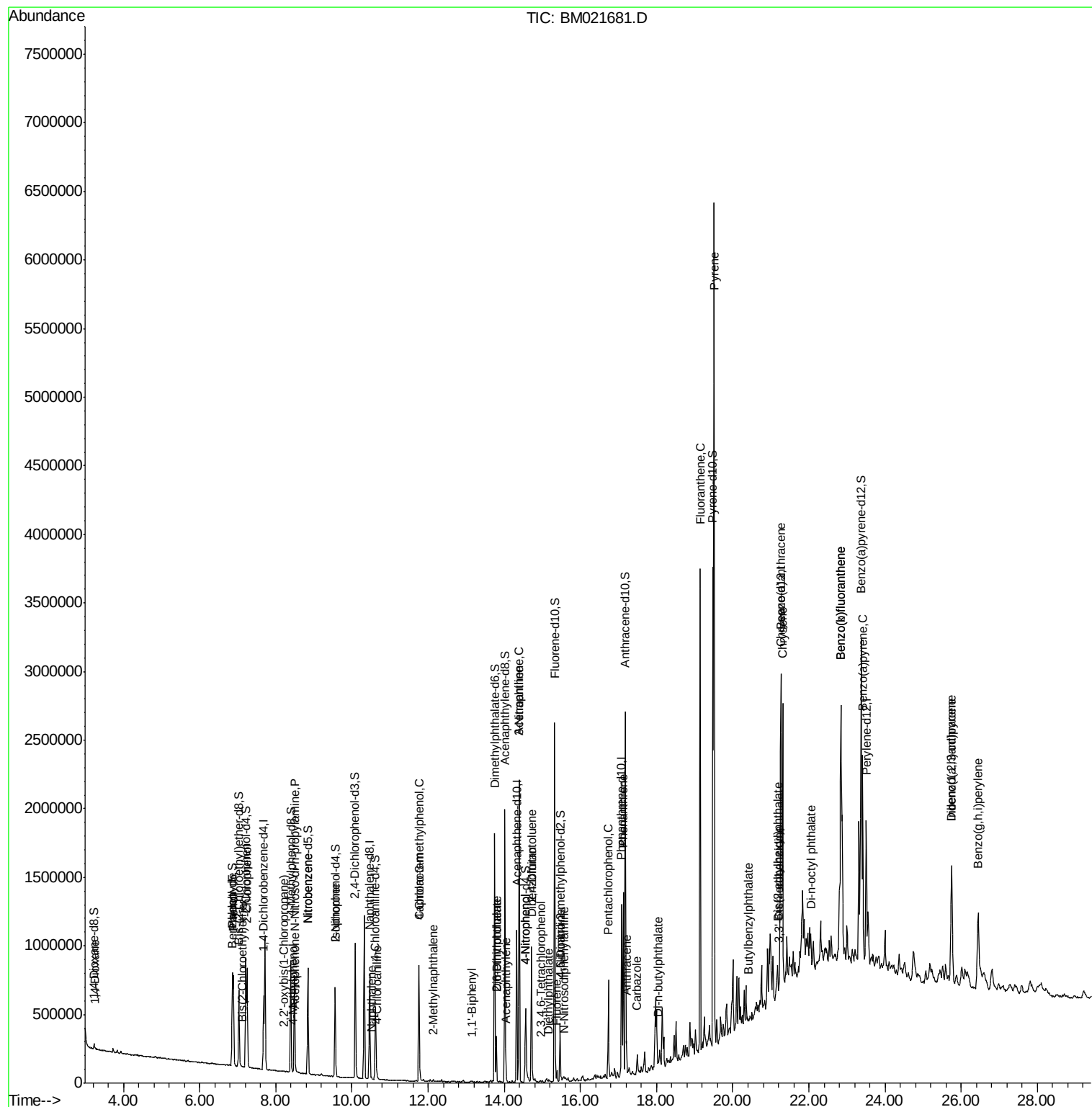
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) Dibenzofuran	14.73	168	19879	0.558	ng/ul	95
54) 2,4-Dinitrotoluene	14.72	165	269135	36.466	ng/ul#	84
55) 2,3,4,6-Tetrachlorophenol	14.96	232	478	0.062	ng/ul#	40
56) Diethylphthalate	15.16	149	3105	0.116	ng/ul#	85
58) Fluorene	15.38	166	34219	1.202	ng/ul#	96
60) 4-Nitroaniline	15.46	138	379	0.097	ng/ul#	1
64) N-Nitrosodiphenylamine	15.59	169	2516	0.112	ng/ul#	37
68) Pentachlorophenol	16.73	266	134335	21.315	ng/ul	96
69) Phenanthrene	17.12	178	780145	18.784	ng/ul	99
71) Anthracene	17.21	178	146890	3.453	ng/ul	99
74) Carbazole	17.49	167	77578	2.202	ng/ul	96
75) Di-n-butylphthalate	18.04	149	16421	0.423	ng/ul#	94
76) Fluoranthene	19.14	202	2127480	43.910	ng/ul	100
79) Pyrene	19.51	202	3651300	74.405	ng/ul	99
80) Butylbenzylphthalate	20.41	149	7136	0.471	ng/ul#	80
81) 3,3'-Dichlorobenzidine	21.21	252	786	0.065	ng/ul#	65
82) Benzo(a)anthracene	21.26	228	1029776	21.501	ng/ul	97
83) Bis(2-ethylhexyl)phthalate	21.18	149	65451	3.003	ng/ul	99
84) Chrysene	21.31	228	1196611	26.502	ng/ul	98
86) Di-n-octyl phthalate	22.07	149	4074	0.090	ng/ul	100
87) Benzo(b)fluoranthene	22.84	252	1686398	32.383	ng/ul	99
88) Benzo(k)fluoranthene	22.84	252	1686398	33.124	ng/ul	99
90) Benzo(a)pyrene	23.41	252	1048786	21.510	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.75	276	813596	14.390	ng/ul	97
92) Dibenzo(a,h)anthracene	25.76	278	202654	4.311	ng/ul#	94
93) Benzo(g,h,i)perylene	26.44	276	694216	14.766	ng/ul	99

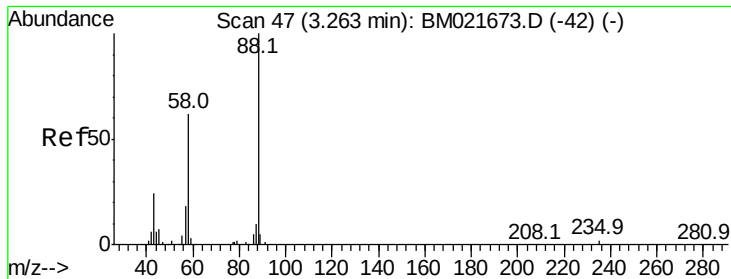
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.068 ng/uL

RT: 3.26 min Scan# 47

Delta R.T. 0.00 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

Instrument :

BNA_M

ClientSampleId :

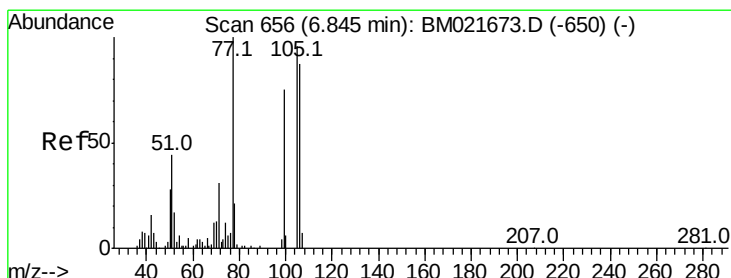
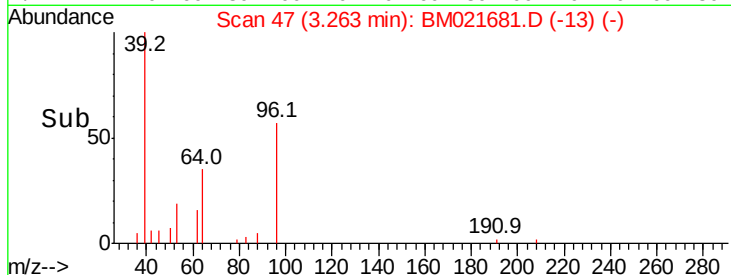
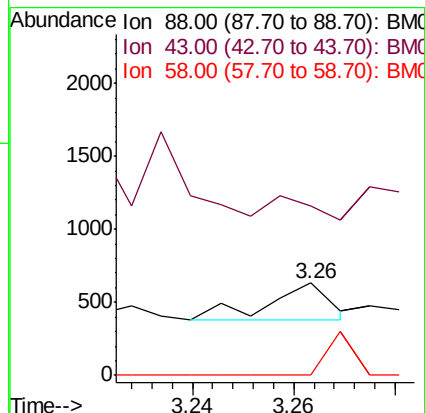
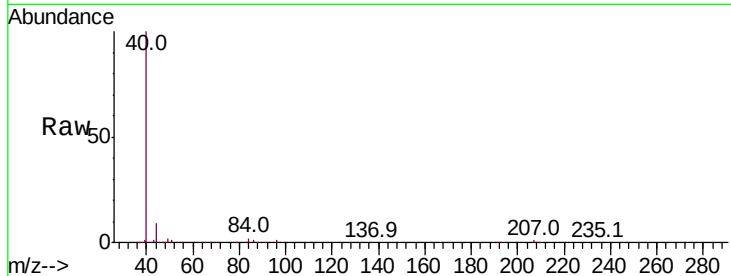
Tot Ion: 88 Resp: 211

Ion Ratio Lower Upper

88 100

43 184.6 28.2 42.2#

58 0.0 49.9 74.9#



#4

Benzaldehyde

Concen: 0.528 ng/uL

RT: 6.85 min Scan# 656

Delta R.T. -0.00 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

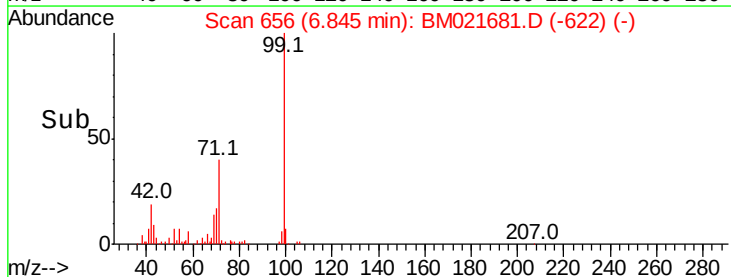
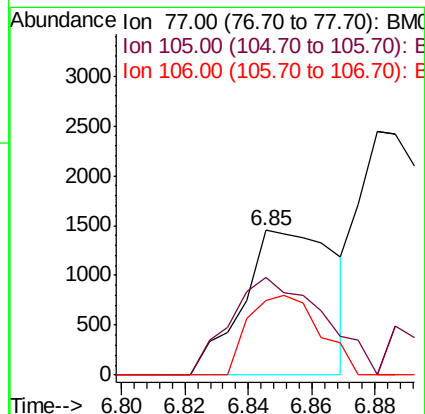
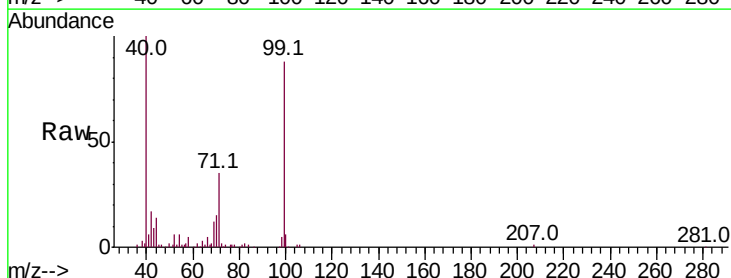
Tgt Ion: 77 Resp: 2920

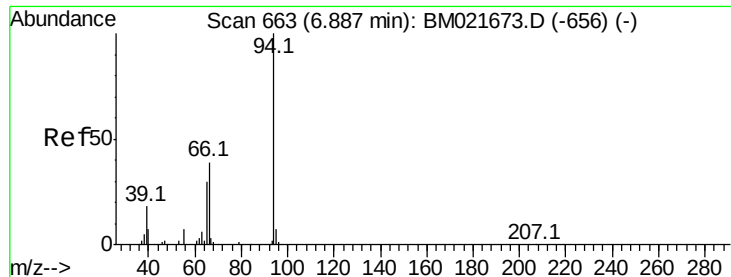
Ion Ratio Lower Upper

77 100

105 67.8 76.6 115.0#

106 52.0 69.9 104.9#





#6

Phenol

Concen: 28.467 ng/ul

RT: 6.89 min Scan# 663

Delta R.T. -0.00 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

Instrument :

BNA_M

ClientSampled :

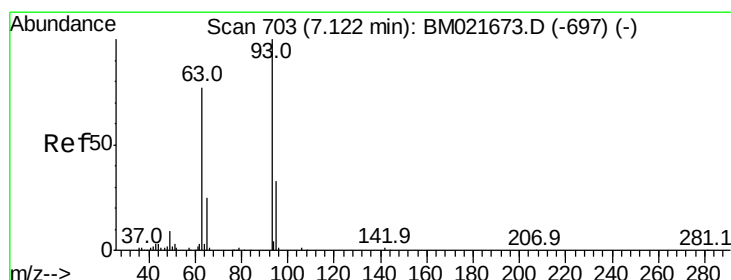
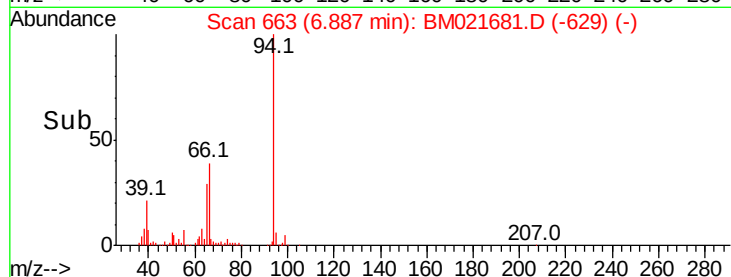
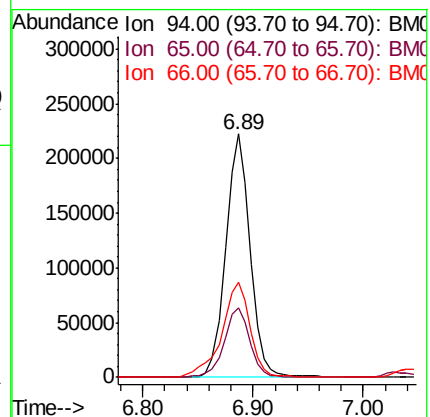
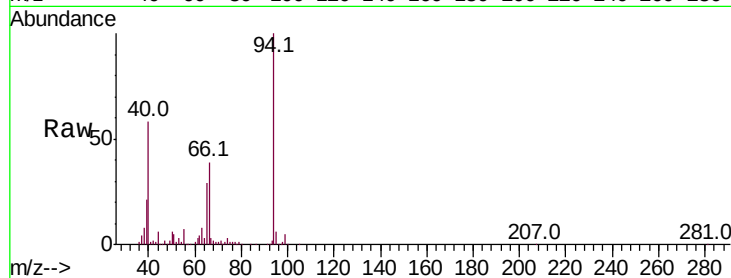
Tot Ion: 94 Resp: 341547

Ion Ratio Lower Upper

94 100

65 28.7 24.8 37.2

66 39.2 33.0 49.4



#8

Bis(2-Chloroethyl)ether

Concen: 0.062 ng/ul

RT: 7.12 min Scan# 702

Delta R.T. -0.01 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

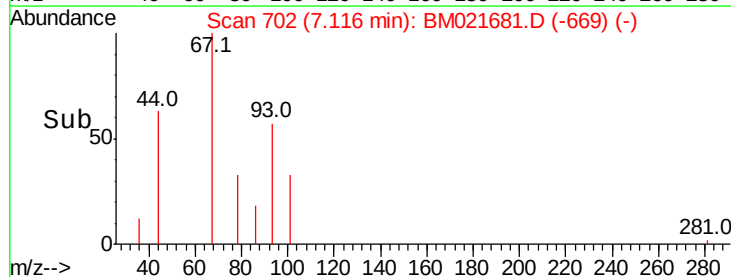
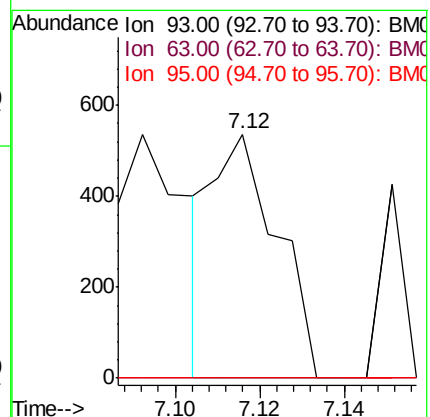
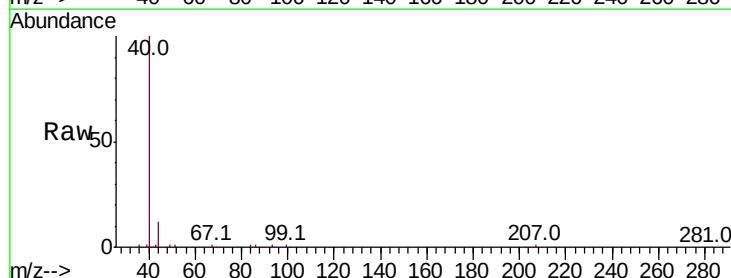
Tgt Ion: 93 Resp: 562

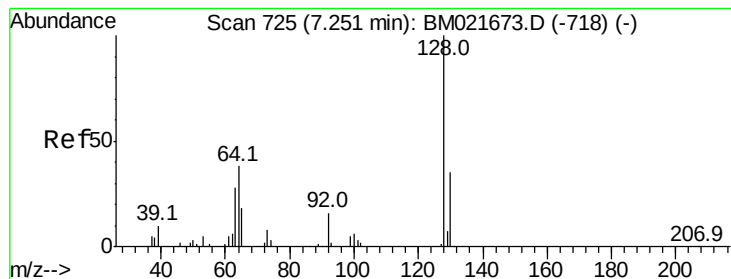
Ion Ratio Lower Upper

93 100

63 0.0 61.2 91.8#

95 0.0 26.2 39.4#





#10

2-Chlorophenol

Concen: 30.885 ng/ul

RT: 7.25 min Scan# 724

Delta R.T. -0.01 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

Instrument :

BNA_M

ClientSampleId :

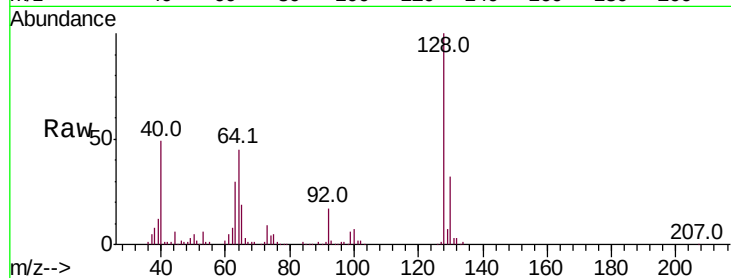
Tot Ion:128 Resp: 309052

Ion Ratio Lower Upper

128 100

64 45.3 34.5 51.7

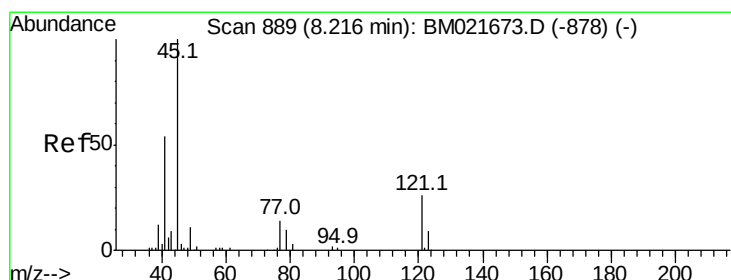
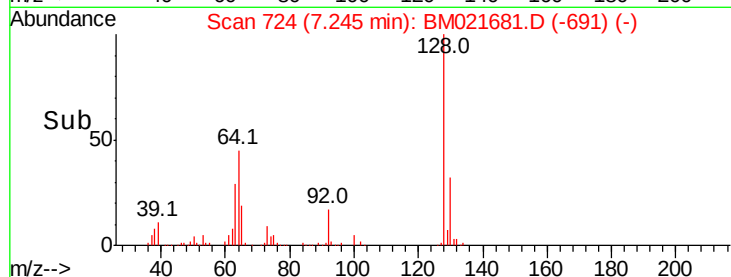
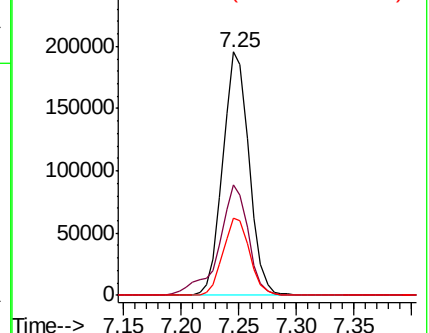
130 31.7 27.6 41.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BM

Ion 130.00 (129.70 to 130.70): E



#12

2,2'-oxybis(1-Chloropropane)

Concen: 0.012 ng/ul

RT: 8.21 min Scan# 888

Delta R.T. -0.01 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

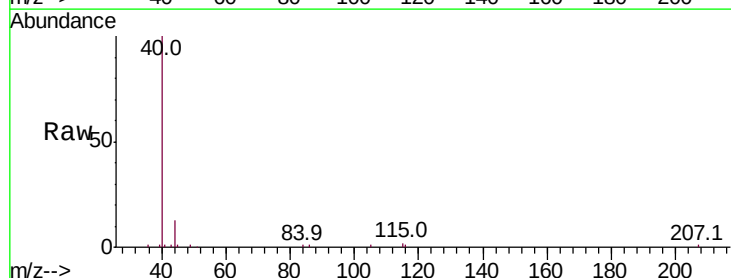
Tgt Ion: 45 Resp: 134

Ion Ratio Lower Upper

45 100

77 0.0 13.8 20.8#

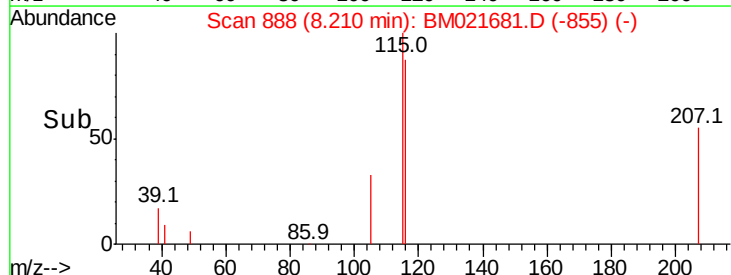
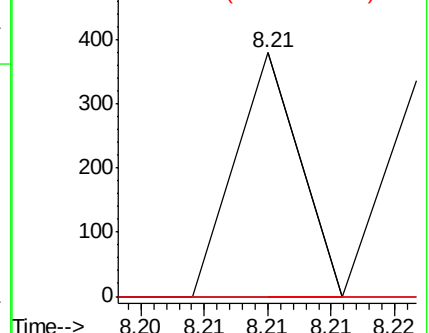
79 0.0 10.8 16.2#

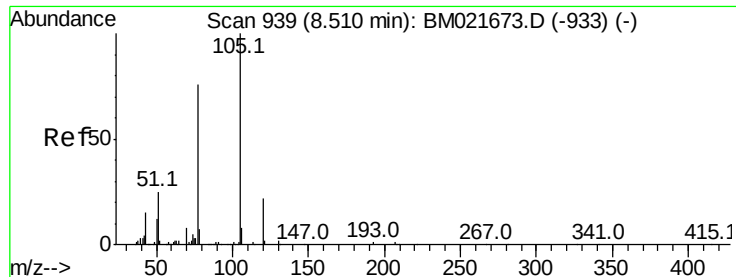


Abundance Ion 45.00 (44.70 to 45.70): BM

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM





#14

Acetophenone

Concen: 0.425 ng/ul

RT: 8.52 min Scan# 940

Delta R.T. 0.01 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

Instrument :

BNA_M

ClientSampled :

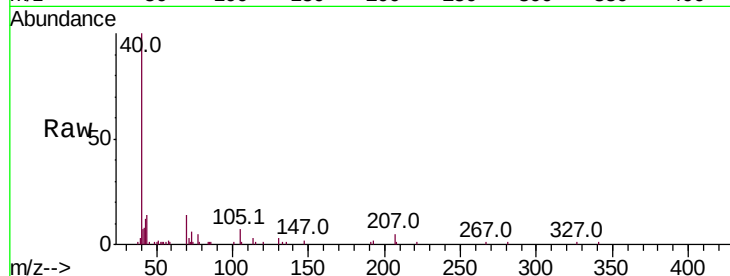
Tot Ion:105 Resp: 6683

Ion Ratio Lower Upper

105 100

77 77.3 65.1 97.7

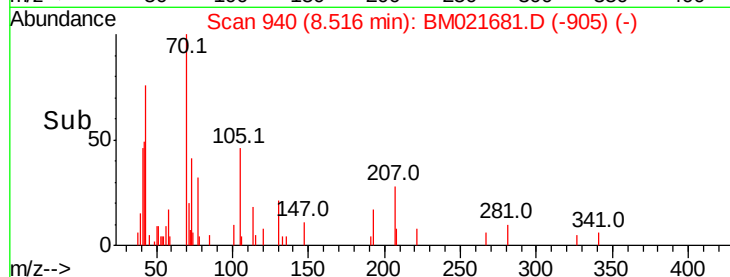
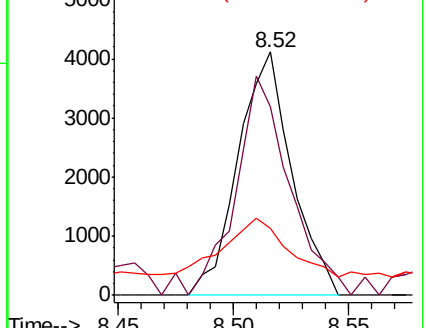
51 27.4 21.3 31.9



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 51.00 (50.70 to 51.70): BM



#15

N-Nitroso-di-n-propylamine

Concen: 33.536 ng/ul

RT: 8.49 min Scan# 936

Delta R.T. -0.00 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

Tgt Ion: 70 Resp: 258185

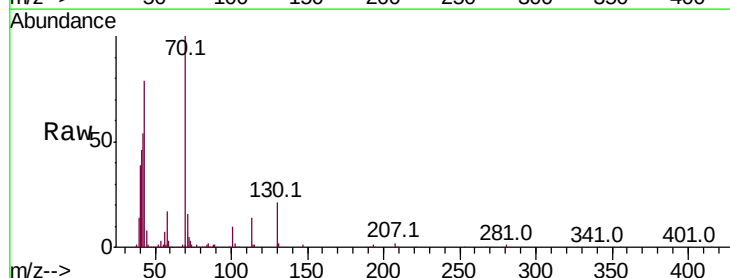
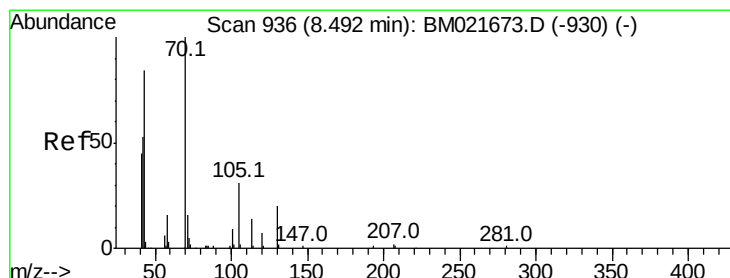
Ion Ratio Lower Upper

70 100

42 53.6 43.2 64.8

101 9.6 7.0 10.6

130 21.3 15.7 23.5

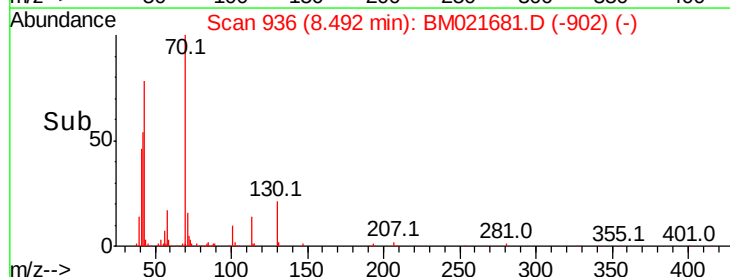
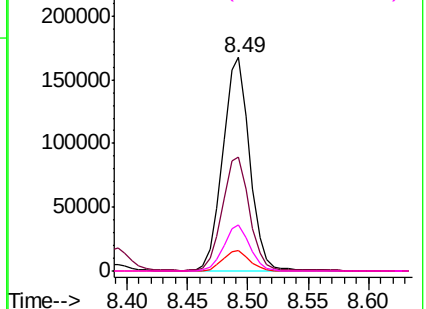


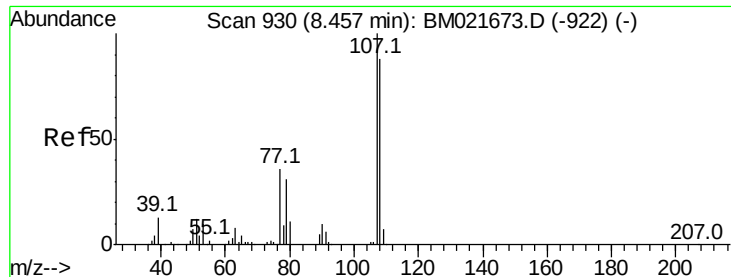
Abundance Ion 70.00 (69.70 to 70.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#16

4-Methylphenol

Concen: 0.104 ng/ul

RT: 8.46 min Scan# 930

Delta R.T. -0.00 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

Instrument :

BNA_M

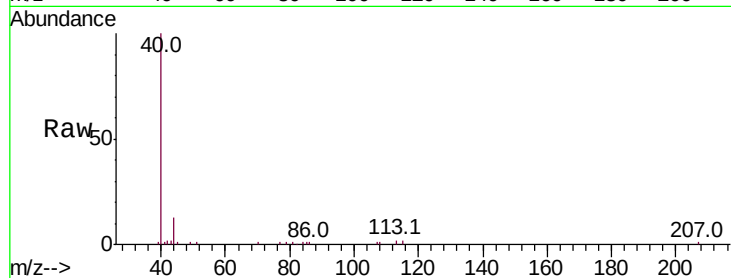
ClientSampled :

Tot Ion:108 Resp: 1065

Ion Ratio Lower Upper

108 100

107 116.1 91.2 136.8



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

1000

800

600

400

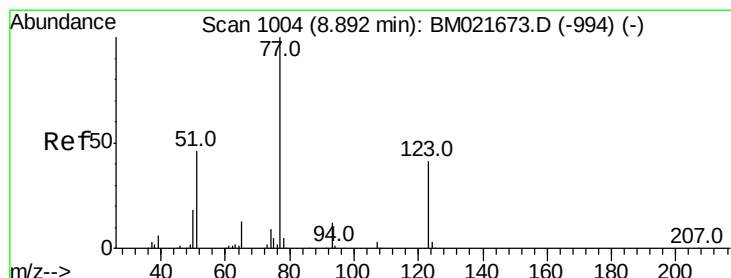
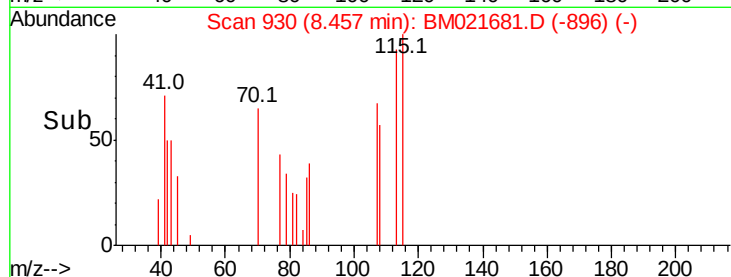
200

0

8.42 8.44 8.46 8.48

8.46

Time-->



#20

Nitrobenzene

Concen: 0.184 ng/ul

RT: 8.84 min Scan# 995

Delta R.T. -0.05 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

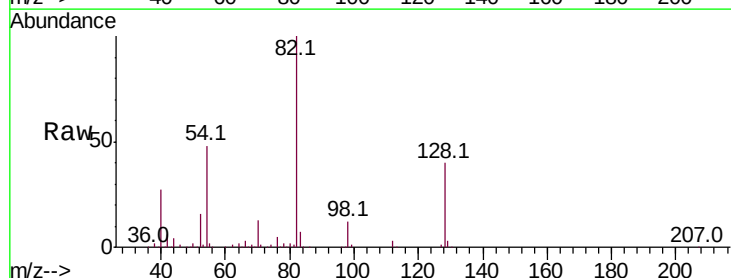
Tgt Ion: 77 Resp: 2190

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.4#

65 32.7 10.6 15.8#



Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM0

1000

800

600

400

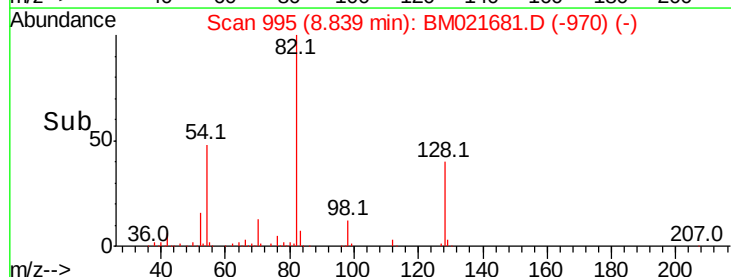
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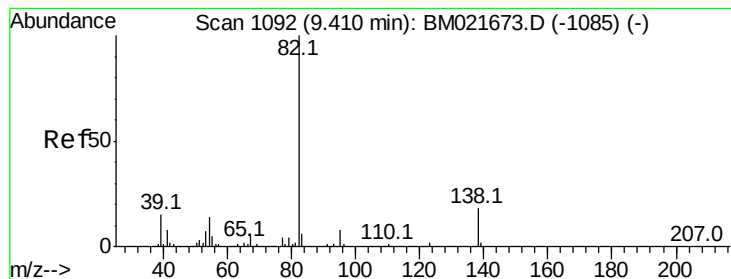
0

8.80 8.85 8.90

8.84

Time-->





#21

Isophorone

Concen: 0.849 ng/ul

RT: 9.56 min Scan# 1117

Delta R.T. 0.15 min

Lab File: BM021681.D

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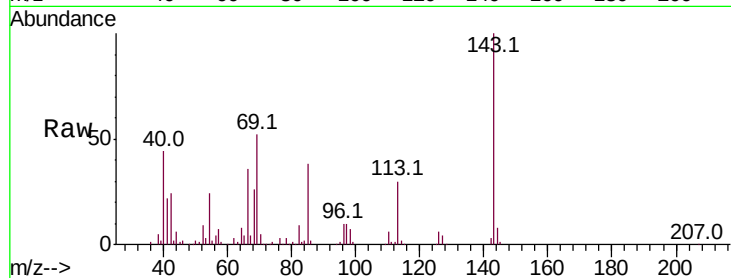
Tot Ion: 82 Resp: 18164

Ion Ratio Lower Upper

82 100

95 7.8 6.2 9.2

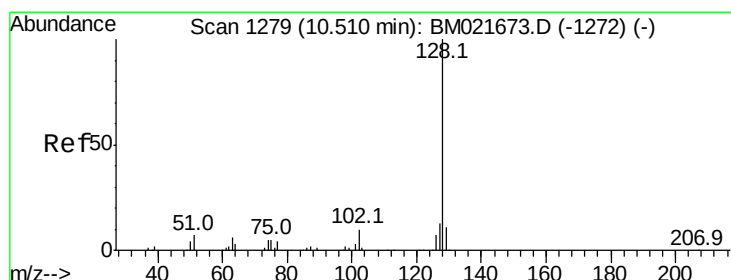
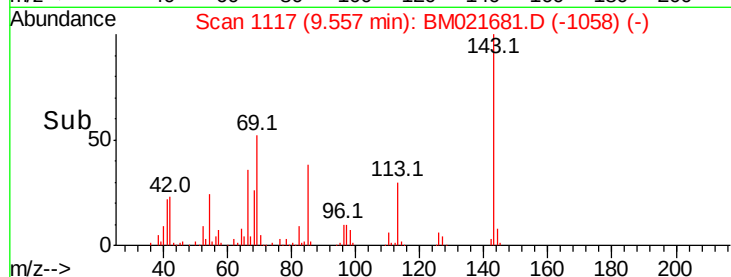
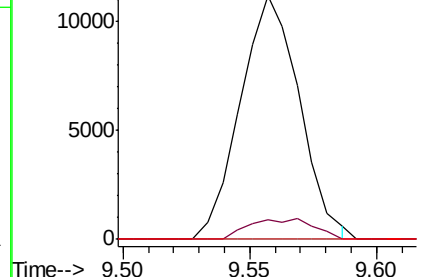
138 0.0 14.1 21.1#



Abundance Ion 82.00 (81.70 to 82.70): BM021681.D (-1058) (-)

Ion 95.00 (94.70 to 95.70): BM021681.D (-1058) (-)

Ion 138.00 (137.70 to 138.70): BM021681.D (-1058) (-)



#28

Naphthalene

Concen: 0.379 ng/ul

RT: 10.51 min Scan# 1279

Delta R.T. -0.00 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

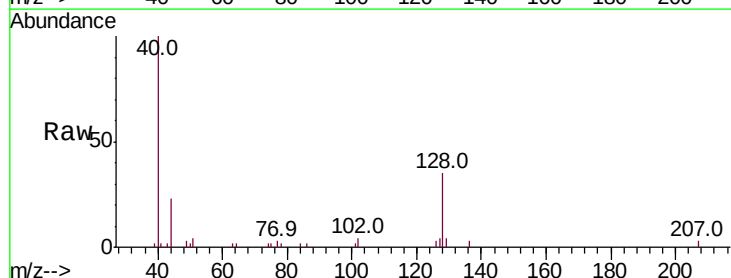
Tgt Ion: 128 Resp: 12452

Ion Ratio Lower Upper

128 100

129 11.7 9.0 13.4

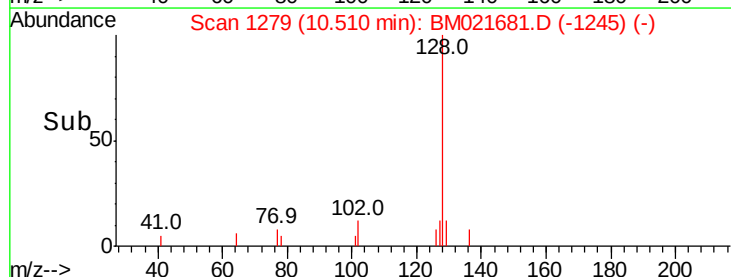
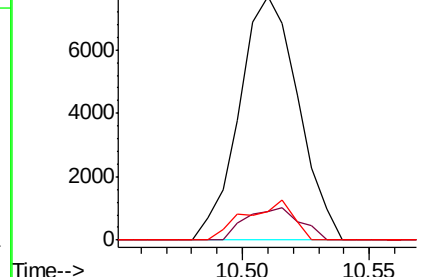
127 11.8 10.5 15.7

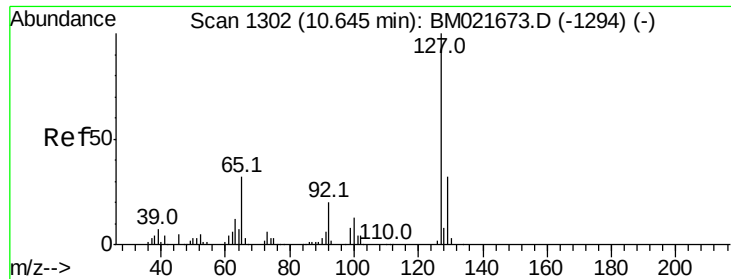


Abundance Ion 128.00 (127.70 to 128.70): BM021681.D (-1245) (-)

Ion 129.00 (128.70 to 129.70): BM021681.D (-1245) (-)

Ion 127.00 (126.70 to 127.70): BM021681.D (-1245) (-)

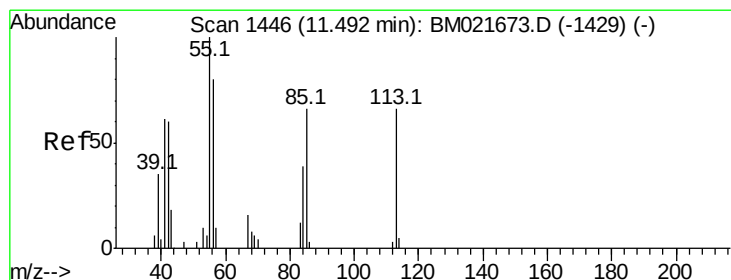
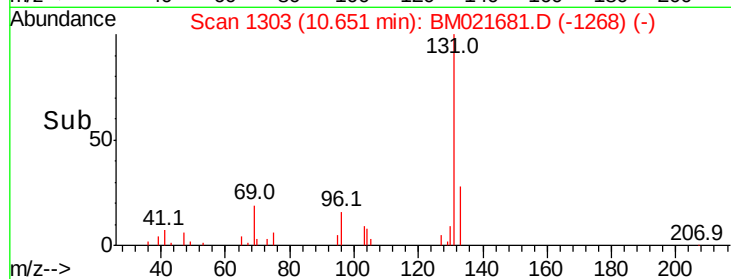
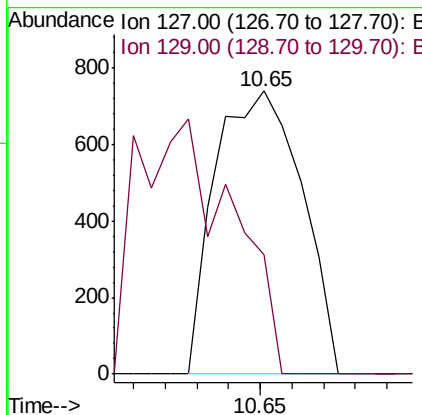
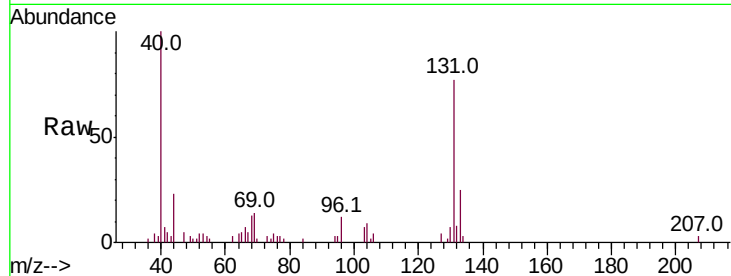




#30
4-Chloroaniline
Concen: 0.131 ng/ul
RT: 10.65 min Scan# 1303
Delta R.T. 0.01 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

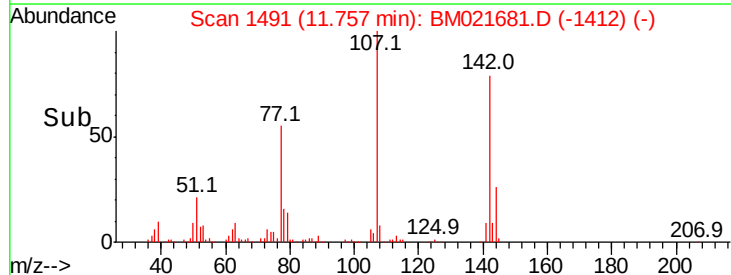
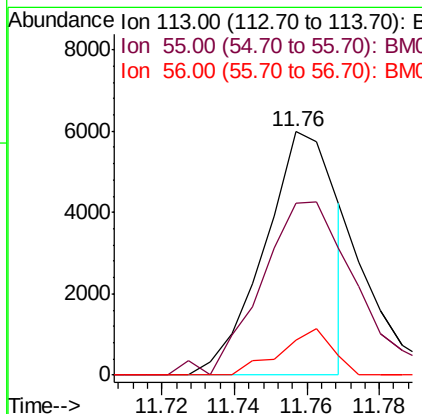
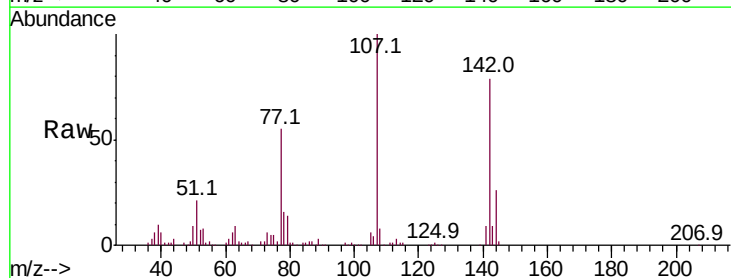
Instrument :
BNA_M
ClientSampled :

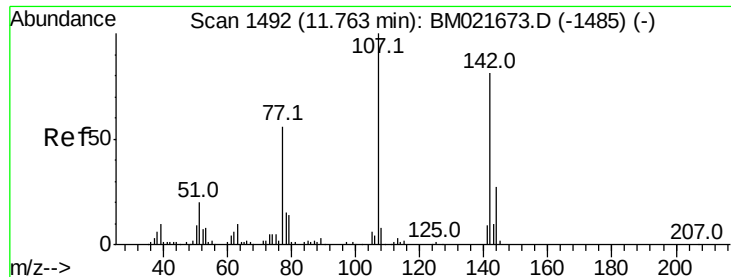
Tot Ion:127 Resp: 1401
Ion Ratio Lower Upper
127 100
129 42.1 25.5 38.3#



#32
Caprolactam
Concen: 3.138 ng/ul
RT: 11.76 min Scan# 1491
Delta R.T. 0.26 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Tgt Ion:113 Resp: 8283
Ion Ratio Lower Upper
113 100
55 70.5 120.7 181.1#
56 14.6 96.4 144.6#

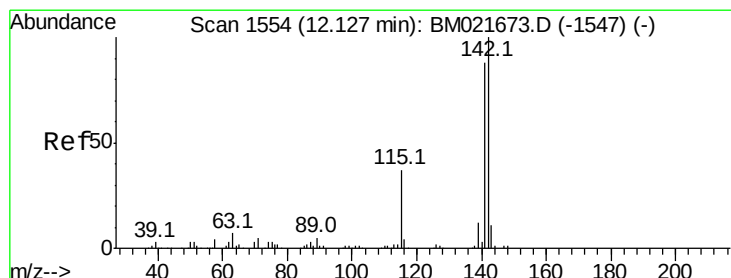
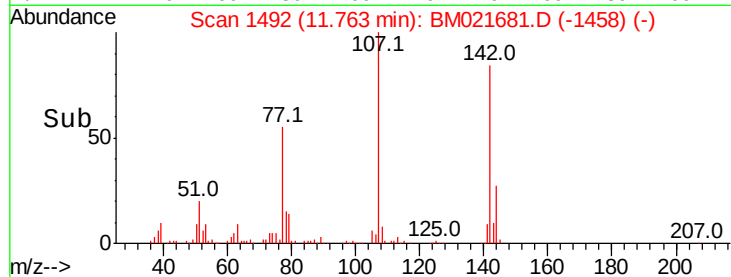
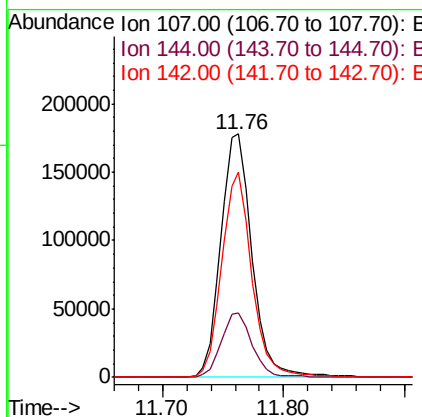
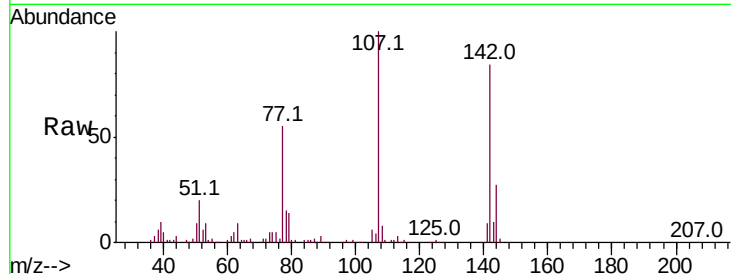




#33
 4-Chloro-3-methylphenol
 Concen: 30.532 ng/ul
 RT: 11.76 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: BM021681.D
 Acq: 27 Jul 2019 10:05

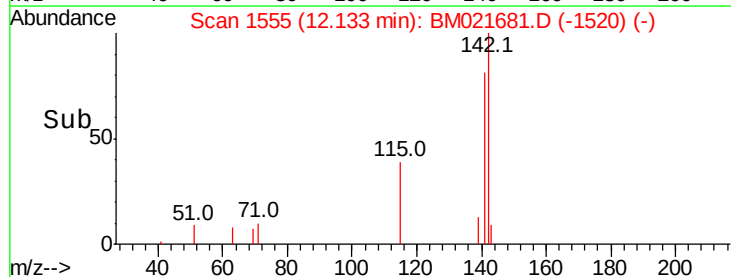
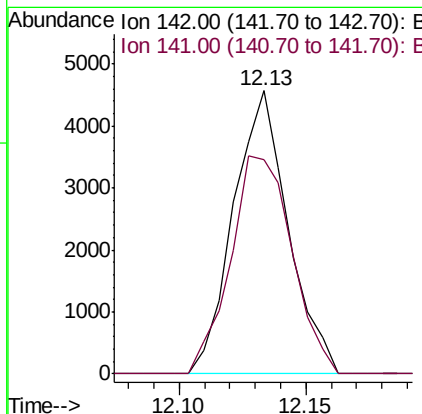
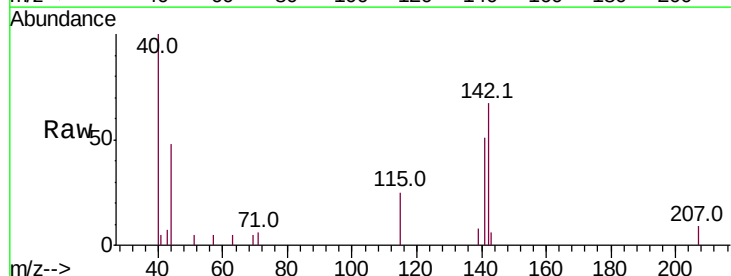
Instrument :
 BNA_M
 ClientSampleId :

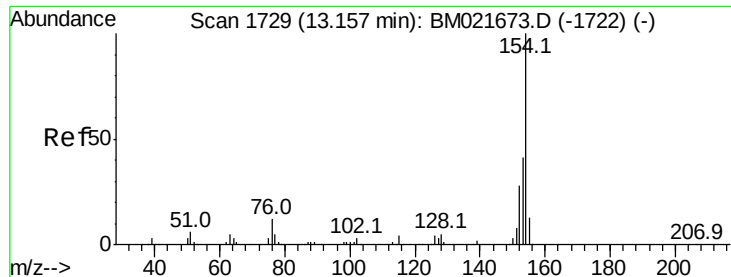
Tot Ion:107 Resp: 319770
 Ion Ratio Lower Upper
 107 100
 144 26.6 21.3 31.9
 142 84.4 65.1 97.7



#34
 2-Methylnaphthalene
 Concen: 0.282 ng/ul
 RT: 12.13 min Scan# 1555
 Delta R.T. 0.01 min
 Lab File: BM021681.D
 Acq: 27 Jul 2019 10:05

Tgt Ion:142 Resp: 6873
 Ion Ratio Lower Upper
 142 100
 141 75.9 70.4 105.6

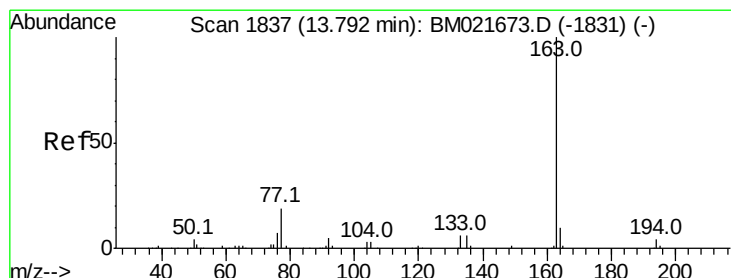
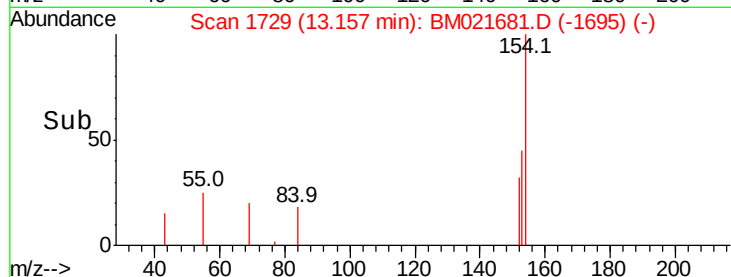
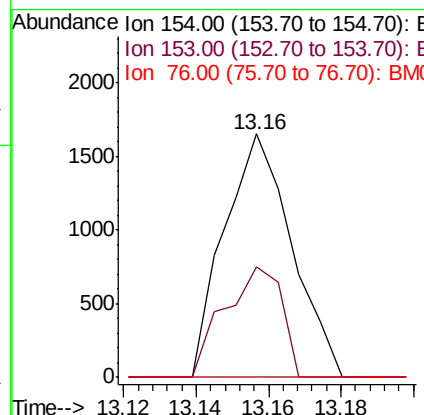
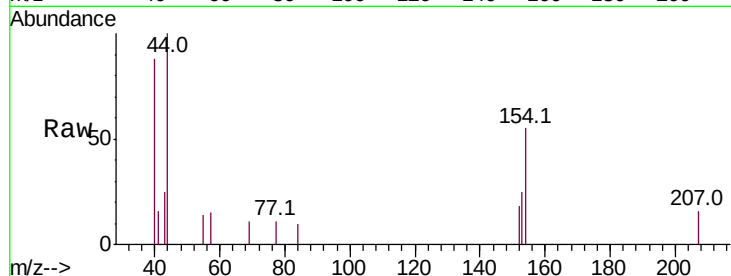




#40
 1,1'-Biphenyl
 Concen: 0.072 ng/ul
 RT: 13.16 min Scan# 1729
 Delta R.T. -0.00 min
 Lab File: BM021681.D
 Acq: 27 Jul 2019 10:05

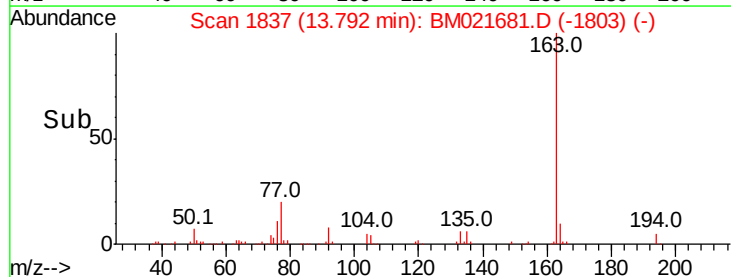
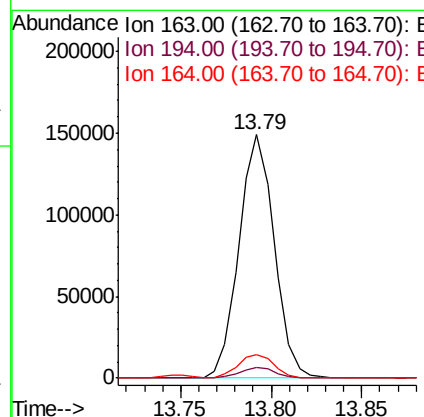
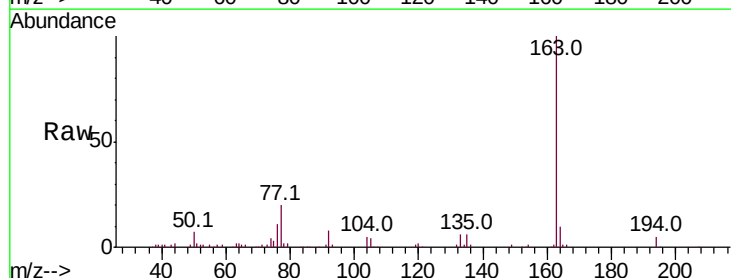
Instrument :
 BNA_M
 ClientSampleId :

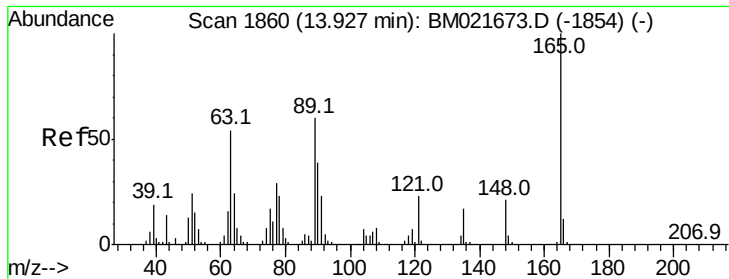
Tot Ion:154 Resp: 2141
 Ion Ratio Lower Upper
 154 100
 153 45.3 32.6 49.0
 76 0.0 9.4 14.2#



#44
 Dimethylphthalate
 Concen: 7.090 ng/ul
 RT: 13.79 min Scan# 1837
 Delta R.T. -0.00 min
 Lab File: BM021681.D
 Acq: 27 Jul 2019 10:05

Tgt Ion:163 Resp: 200873
 Ion Ratio Lower Upper
 163 100
 194 4.6 3.5 5.3
 164 9.8 8.1 12.1

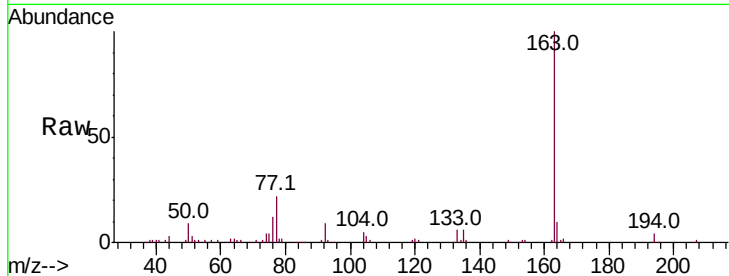




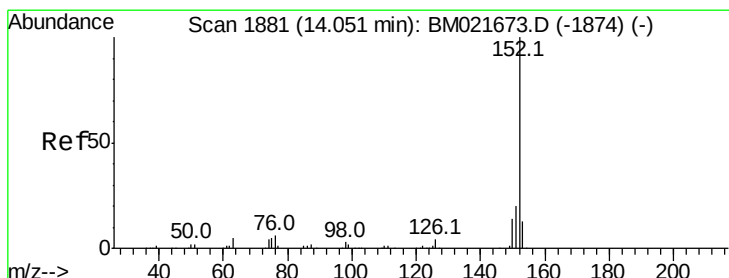
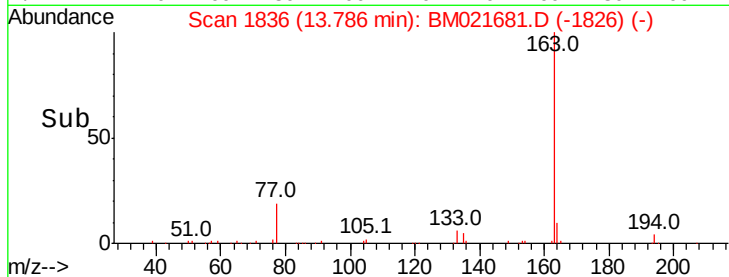
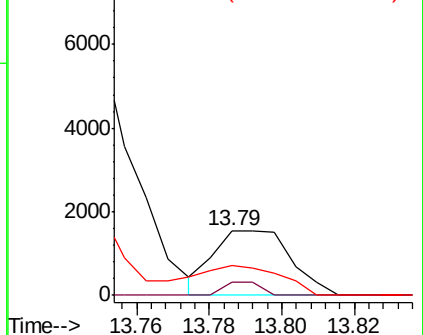
#45
2,6-Dinitrotoluene
Concen: 0.484 ng/ul
RT: 13.79 min Scan# 1836
Delta R.T. -0.14 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Instrument :
BNA_M
ClientSampleId :

Tot Ion:165 Resp: 2280
Ion Ratio Lower Upper
165 100
89 21.1 48.3 72.5#
121 45.3 18.1 27.1#

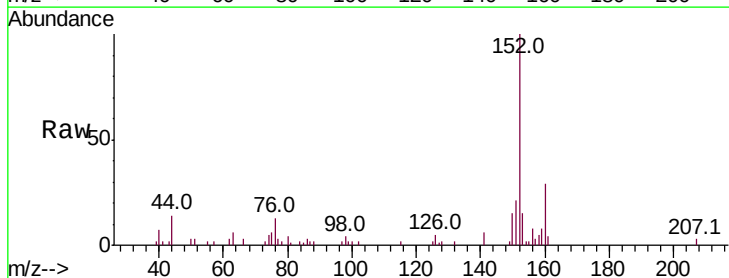


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 89.00 (88.70 to 89.70): BM
Ion 121.00 (120.70 to 121.70): E

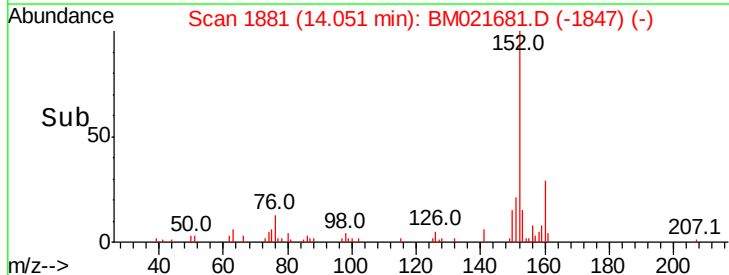
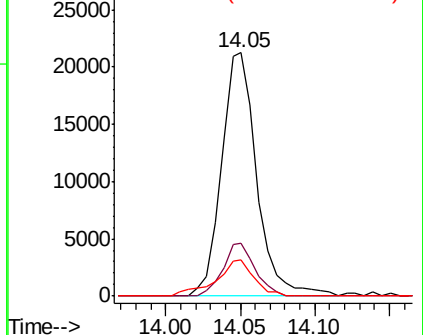


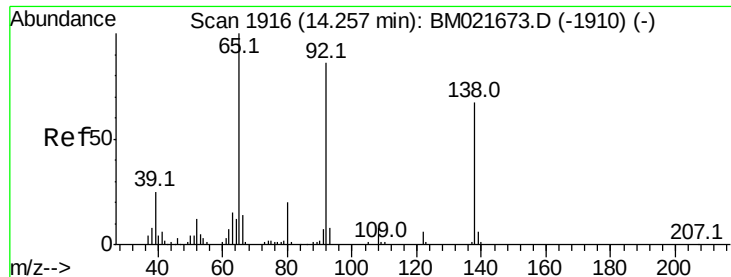
#47
Acenaphthylene
Concen: 1.014 ng/ul
RT: 14.05 min Scan# 1881
Delta R.T. -0.00 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Tgt Ion:152 Resp: 35234
Ion Ratio Lower Upper
152 100
151 21.5 16.2 24.2
153 14.8 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





#48

3-Nitroaniline

Concen: 0.220 ng/ul

RT: 14.39 min Scan# 1938

Delta R.T. 0.13 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

Instrument :

BNA_M

ClientSampleId :

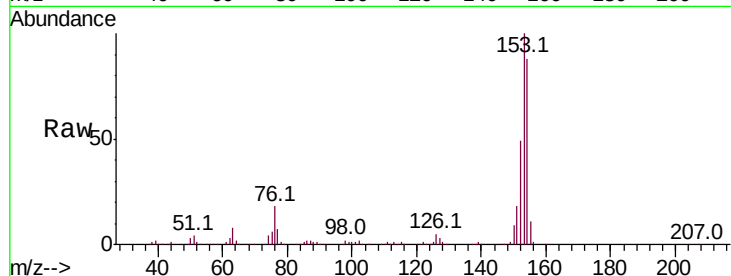
Tot Ion:138 Resp: 842

Ion Ratio Lower Upper

138 100

108 0.0 10.0 15.0#

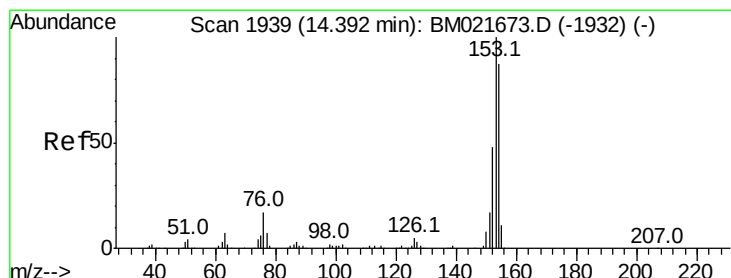
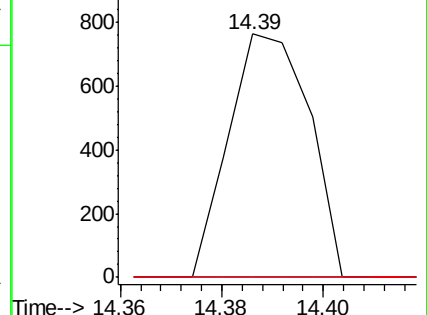
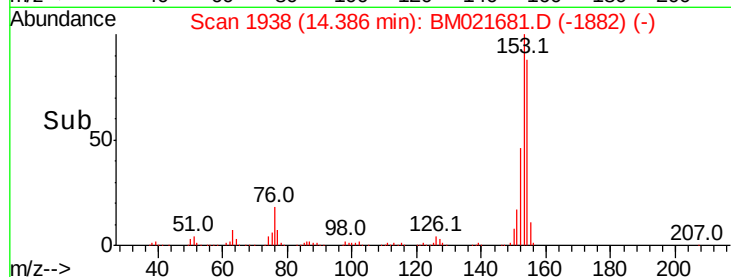
92 0.0 103.6 155.4#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM



#49

Acenaphthene

Concen: 36.195 ng/ul

RT: 14.39 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

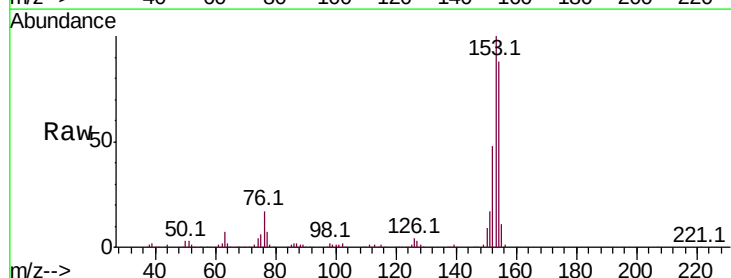
Tgt Ion:153 Resp: 877123

Ion Ratio Lower Upper

153 100

152 47.7 38.7 58.1

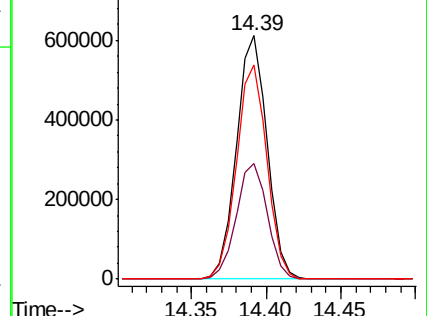
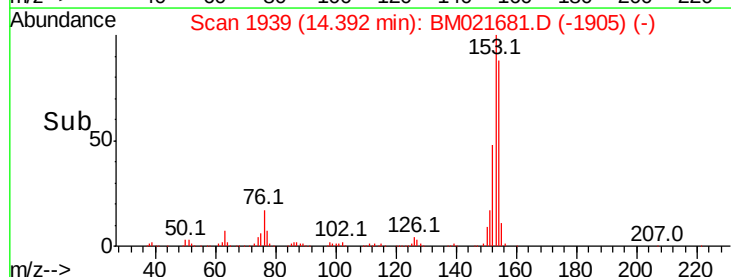
154 87.7 69.2 103.8

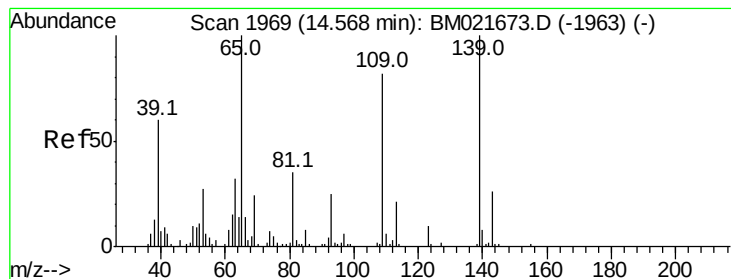


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 19.511 ng/ul

RT: 14.57 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

Instrument :

BNA_M

ClientSampleId :

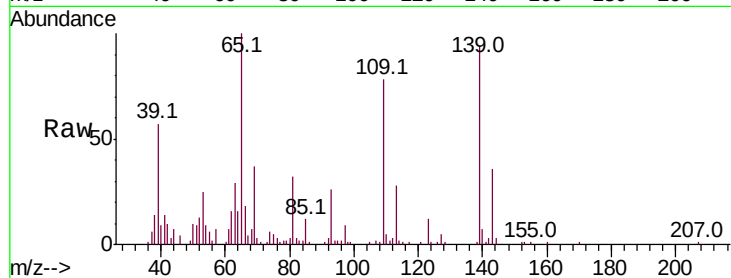
Tot Ion:109 Resp: 73201

Ion Ratio Lower Upper

109 100

139 120.8 96.6 144.8

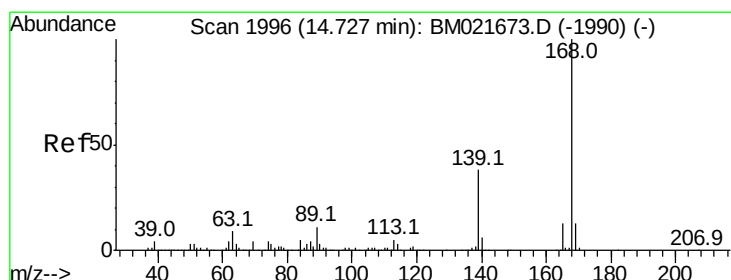
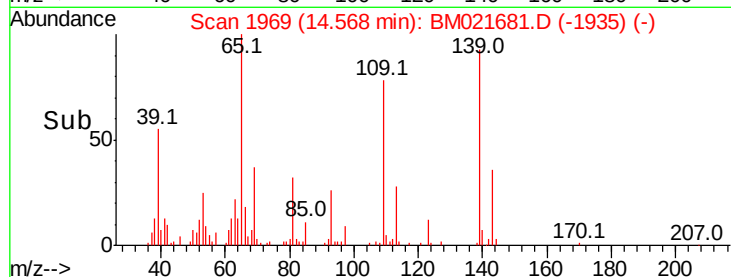
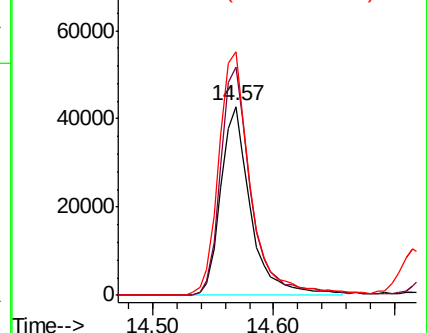
65 128.8 97.8 146.6



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM



#53

Dibenzofuran

Concen: 0.558 ng/ul

RT: 14.73 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BM021681.D

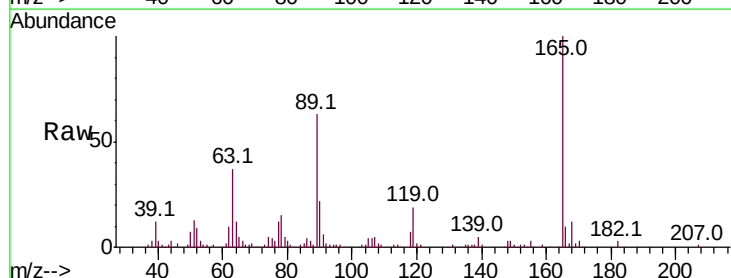
Acq: 27 Jul 2019 10:05

Tgt Ion:168 Resp: 19879

Ion Ratio Lower Upper

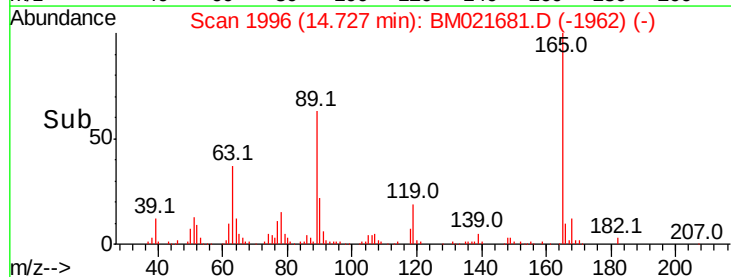
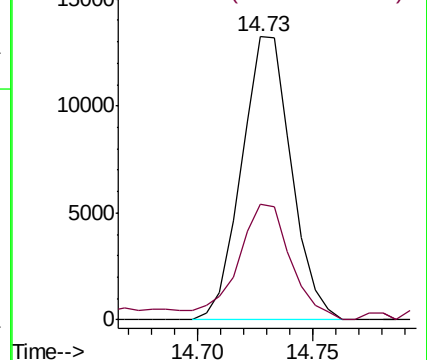
168 100

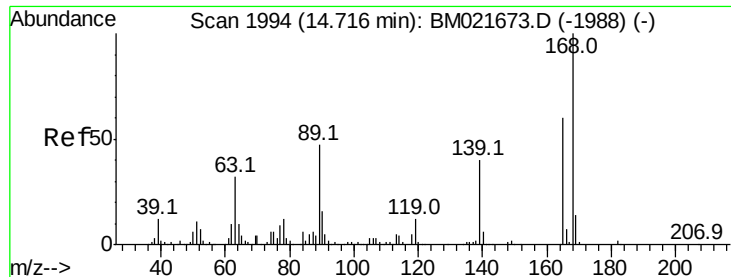
139 40.9 30.3 45.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#54

2,4-Dinitrotoluene

Concen: 36.466 ng/ul

RT: 14.72 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

Instrument :

BNA_M

ClientSampleId :

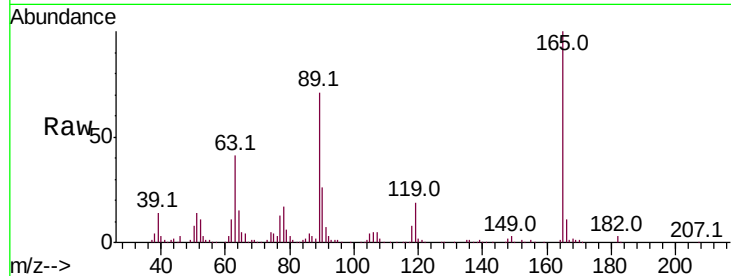
Tot Ion:165 Resp: 269135

Ion Ratio Lower Upper

165 100

63 41.5 42.7 64.1#

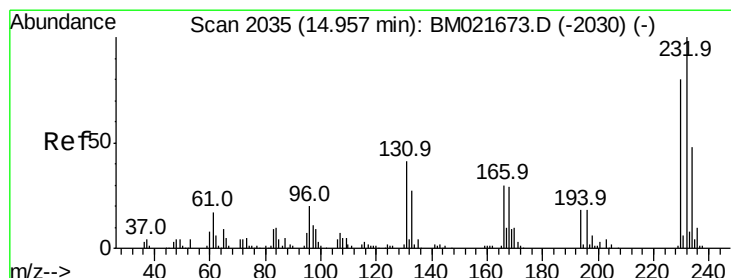
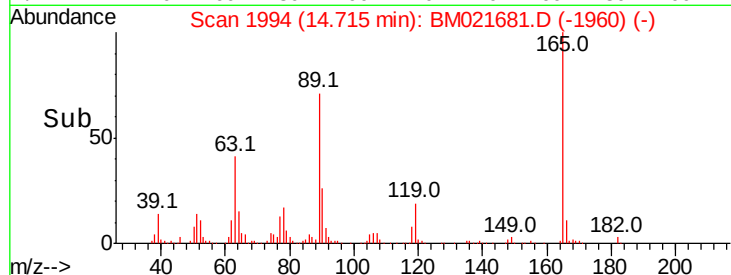
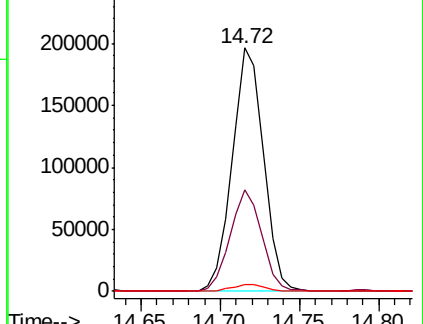
182 2.8 2.3 3.5



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E



#55

2,3,4,6-Tetrachlorophenol

Concen: 0.062 ng/ul

RT: 14.96 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

Tgt Ion:232 Resp: 478

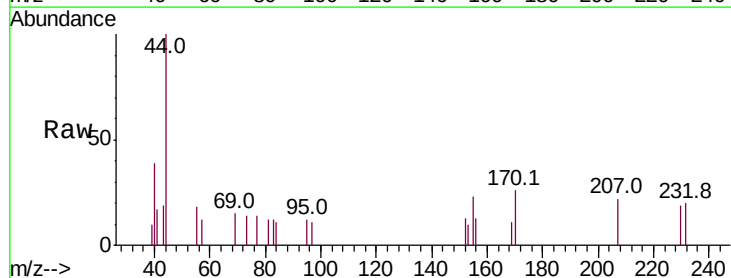
Ion Ratio Lower Upper

232 100

131 0.0 33.1 49.7#

130 0.0 1.8 2.6#

166 0.0 23.8 35.8#

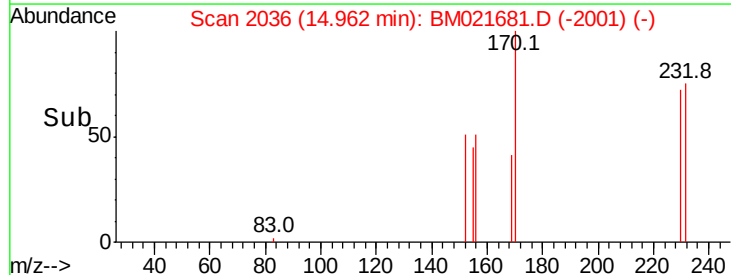
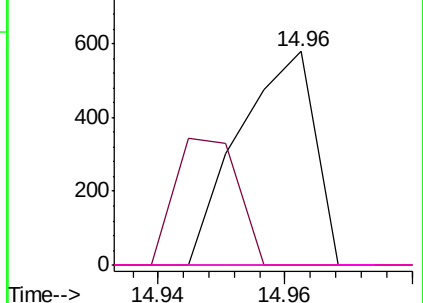


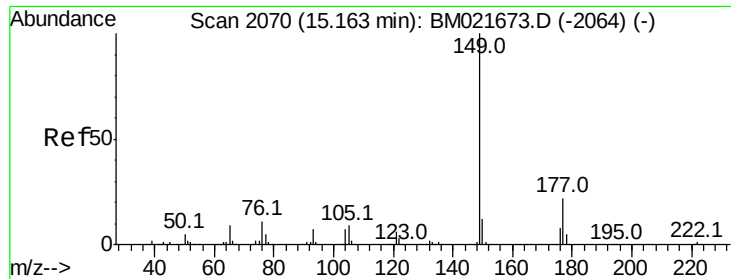
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

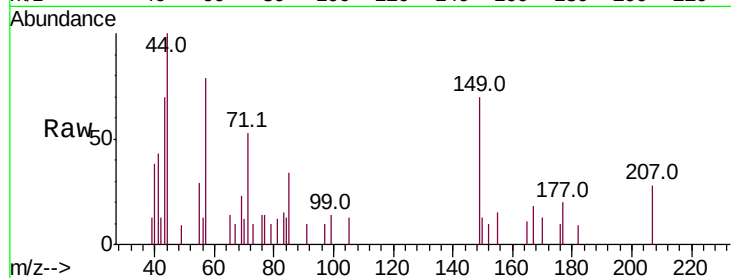




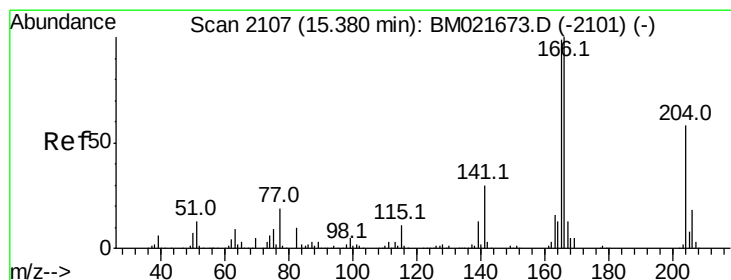
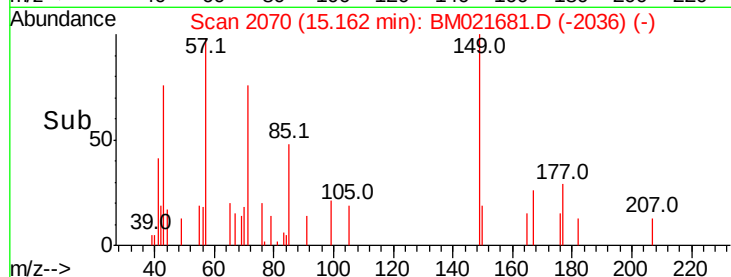
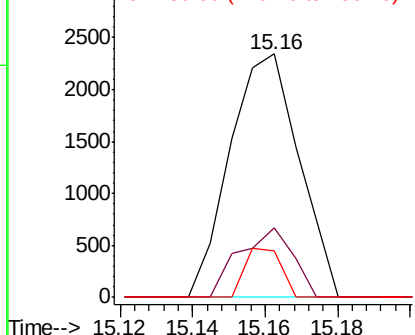
#56
Diethylphthalate
Concen: 0.116 ng/ul
RT: 15.16 min Scan# 2070
Delta R.T. -0.00 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Instrument :
BNA_M
ClientSampleId :

Tot Ion:149 Resp: 3105
Ion Ratio Lower Upper
149 100
177 28.6 17.8 26.8#
150 19.0 9.8 14.6#

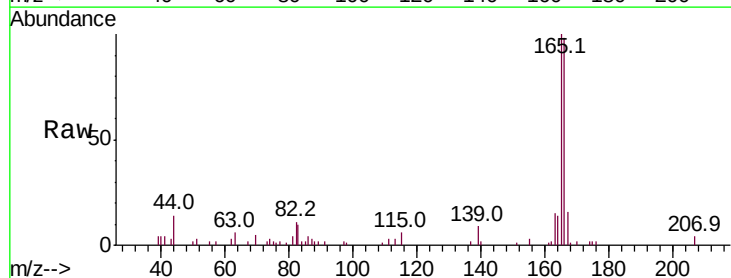


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

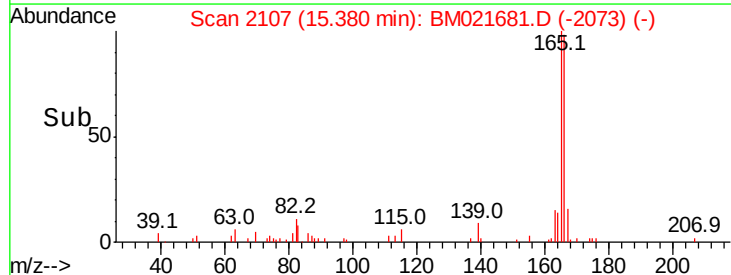
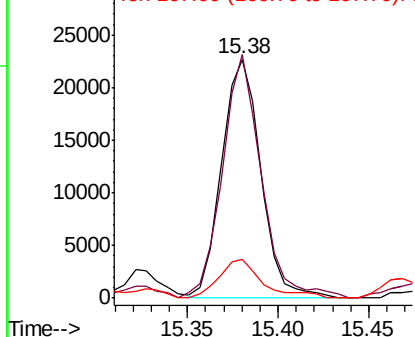


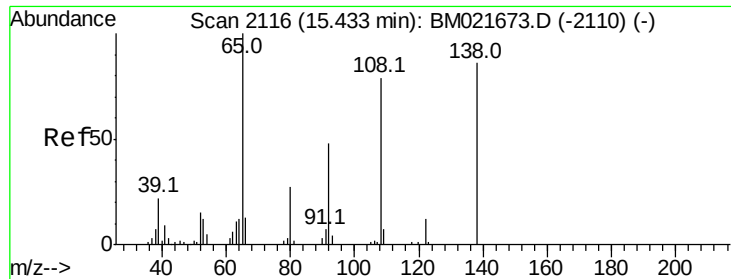
#58
Fluorene
Concen: 1.202 ng/ul
RT: 15.38 min Scan# 2107
Delta R.T. -0.00 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Tgt Ion:166 Resp: 34219
Ion Ratio Lower Upper
166 100
165 101.9 79.0 118.6
167 16.4 10.8 16.2#



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

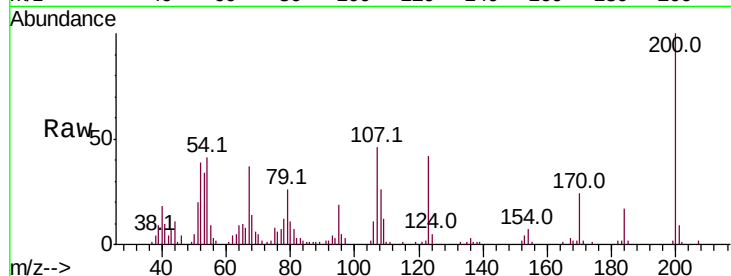




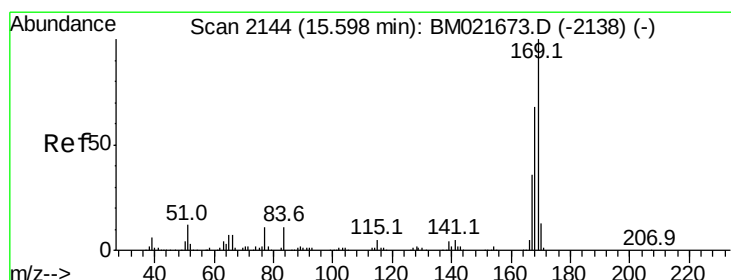
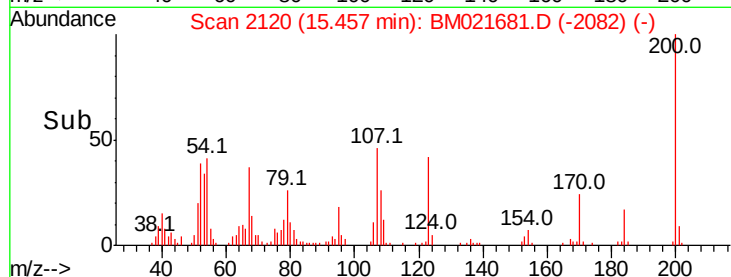
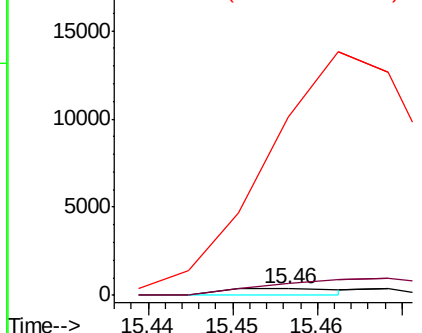
#60
4-Nitroaniline
Concen: 0.097 ng/ul
RT: 15.46 min Scan# 2120
Delta R.T. 0.02 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Instrument :
BNA_M
ClientSampleId :

Tot Ion:138 Resp: 379
Ion Ratio Lower Upper
138 100
92 179.1 43.7 65.5#
108 2744.4 72.1 108.1#

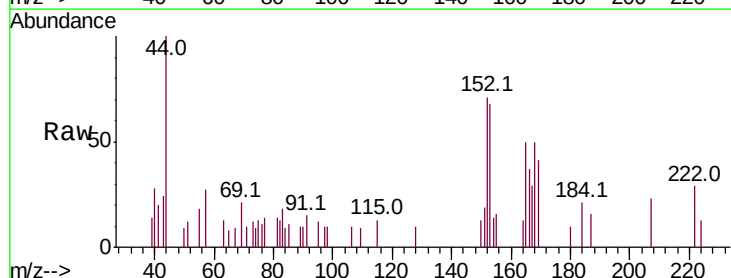


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM0
Ion 108.00 (107.70 to 108.70): E

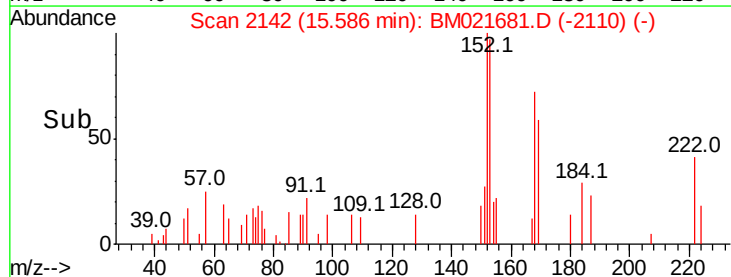
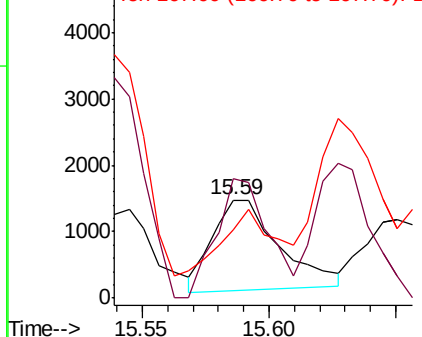


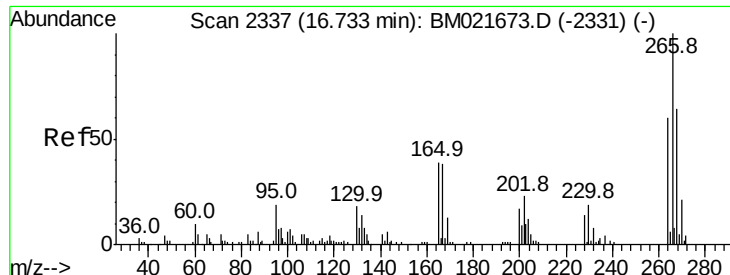
#64
N-Nitrosodiphenylamine
Concen: 0.112 ng/ul
RT: 15.59 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Tgt Ion:169 Resp: 2516
Ion Ratio Lower Upper
169 100
168 122.1 54.4 81.6#
167 69.5 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

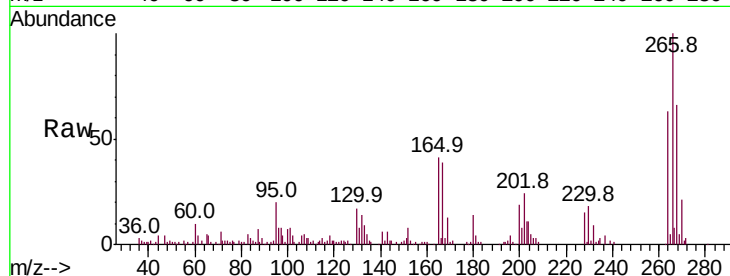




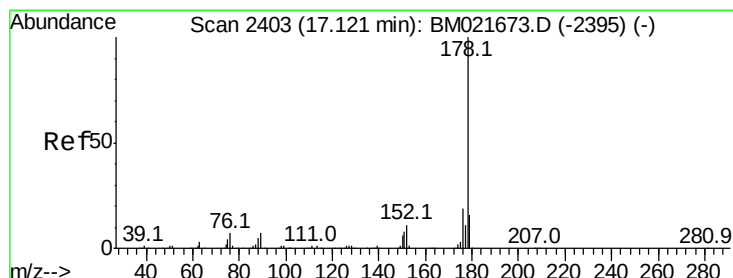
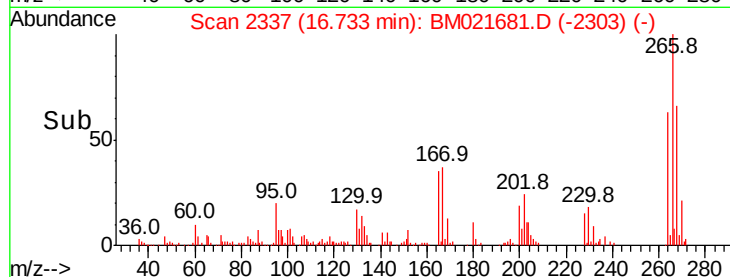
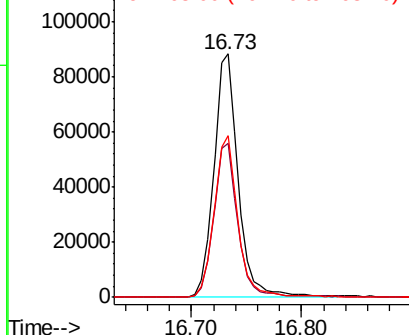
#68
 Pentachlorophenol
 Concen: 21.315 ng/ul
 RT: 16.73 min Scan# 2337
 Delta R.T. -0.00 min
 Lab File: BM021681.D
 Acq: 27 Jul 2019 10:05

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
266	100		
264	63.1	48.2	72.2
268	66.4	51.0	76.6

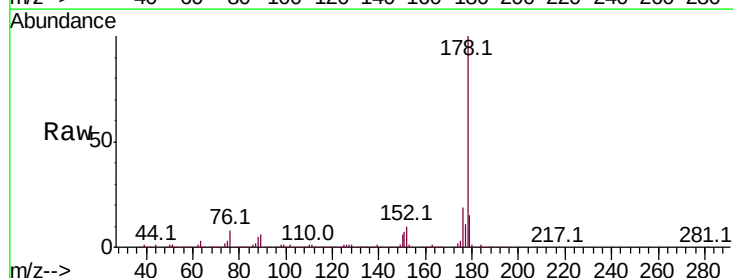


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

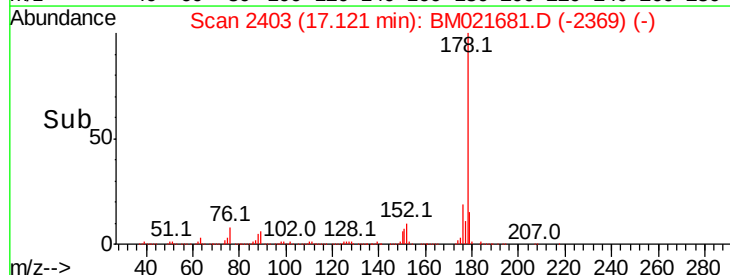
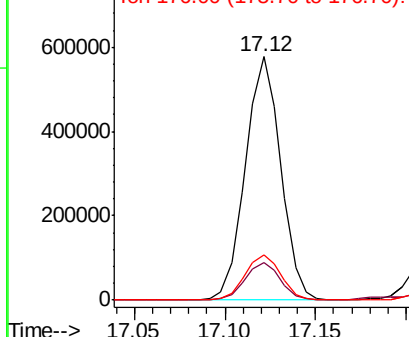


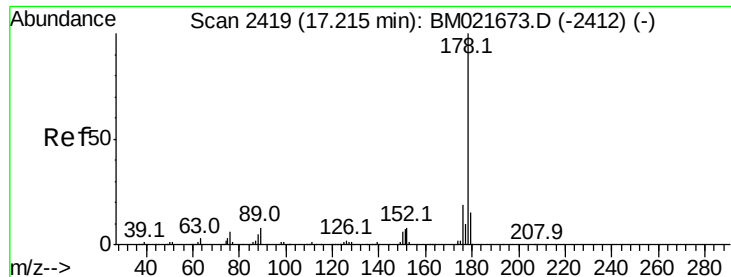
#69
 Phenanthrene
 Concen: 18.784 ng/ul
 RT: 17.12 min Scan# 2403
 Delta R.T. -0.00 min
 Lab File: BM021681.D
 Acq: 27 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.5	18.7
176	18.8	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

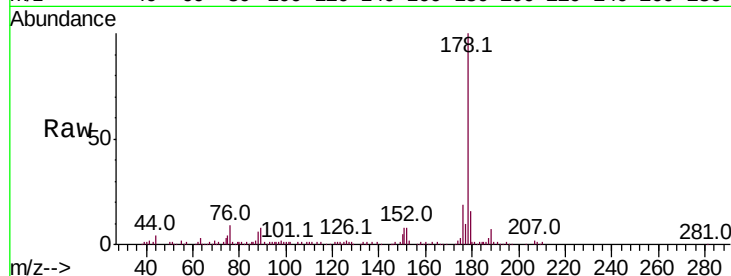




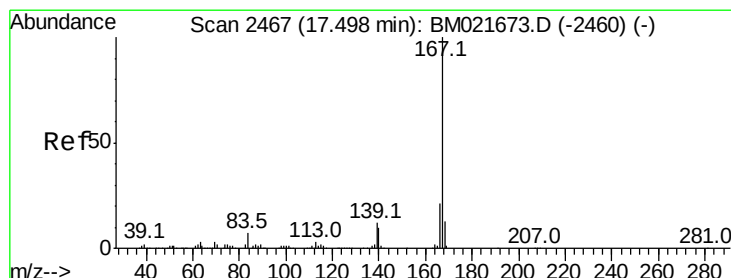
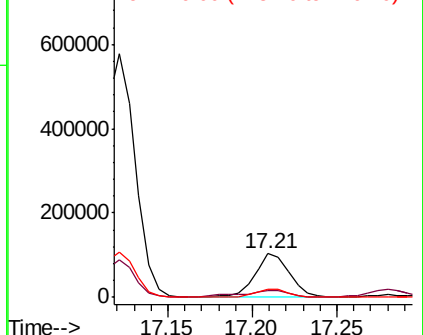
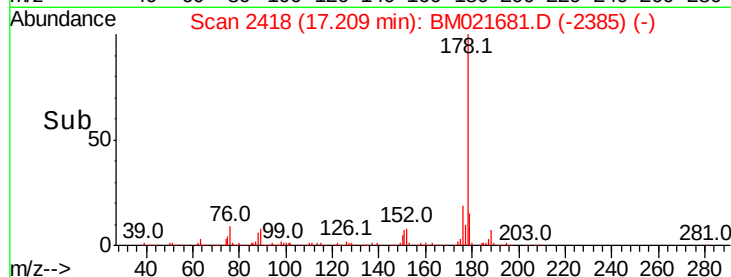
#71
 Anthracene
 Concen: 3.453 ng/ul
 RT: 17.21 min Scan# 2418
 Delta R.T. -0.01 min
 Lab File: BM021681.D
 Acq: 27 Jul 2019 10:05

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:178 Resp: 146890
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.3 18.5
 176 19.1 14.8 22.2

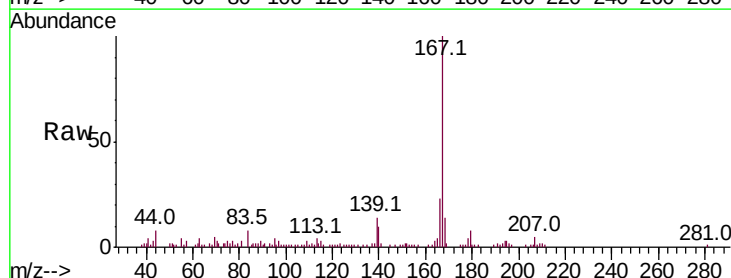


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

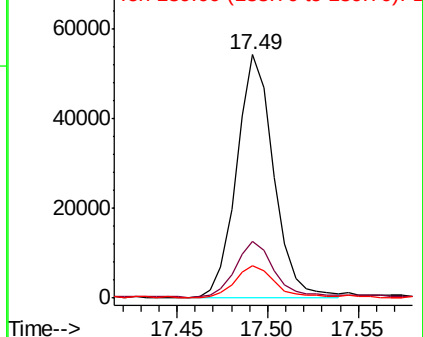
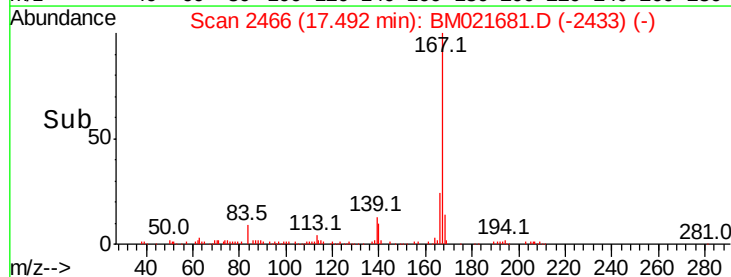


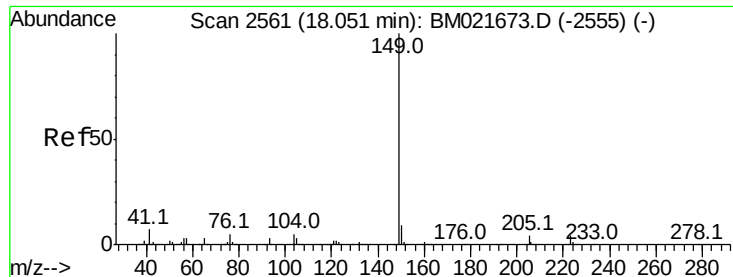
#74
 Carbazole
 Concen: 2.202 ng/ul
 RT: 17.49 min Scan# 2466
 Delta R.T. -0.01 min
 Lab File: BM021681.D
 Acq: 27 Jul 2019 10:05

Tgt Ion:167 Resp: 77578
 Ion Ratio Lower Upper
 167 100
 166 23.4 17.0 25.4
 139 13.6 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: 0.423 ng/ul

RT: 18.04 min Scan# 2560

Delta R.T. -0.01 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

Instrument :

BNA_M

ClientSampleId :

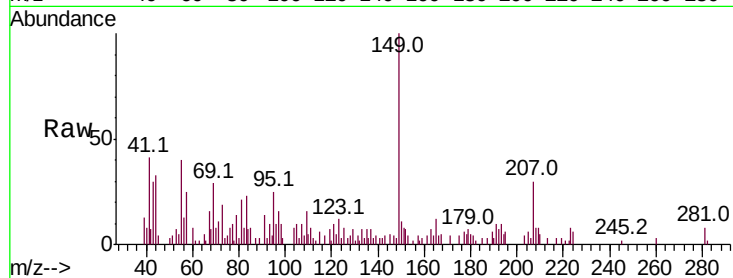
Tot Ion:149 Resp: 16421

Ion Ratio Lower Upper

149 100

150 11.0 7.1 10.7#

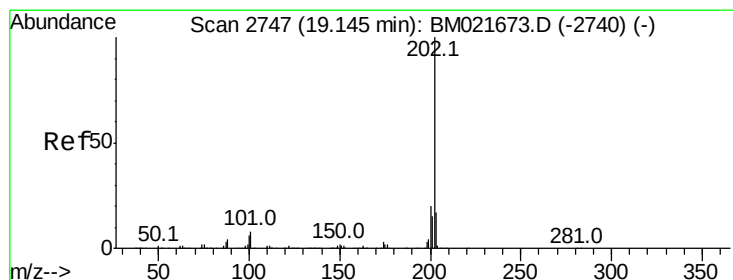
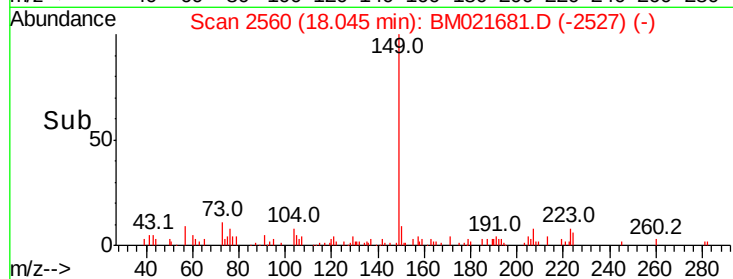
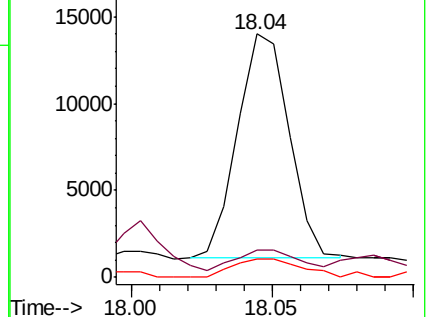
104 7.7 4.2 6.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Fluoranthene

Concen: 43.910 ng/ul

RT: 19.14 min Scan# 2747

Delta R.T. -0.00 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

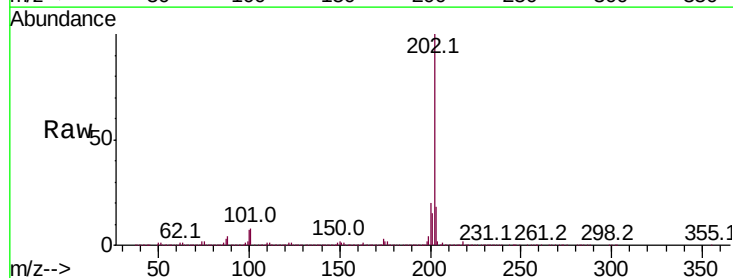
Tgt Ion:202 Resp: 2127480

Ion Ratio Lower Upper

202 100

101 8.3 6.7 10.1

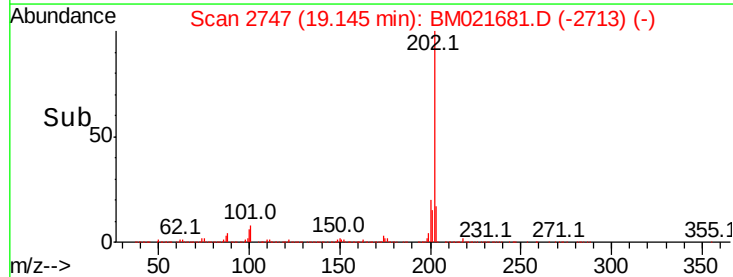
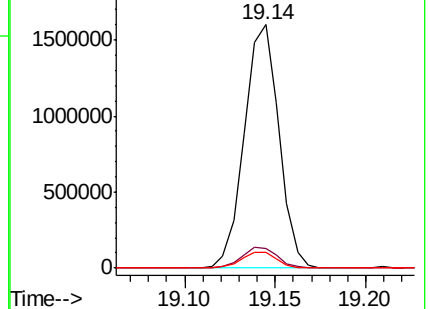
100 6.5 5.1 7.7

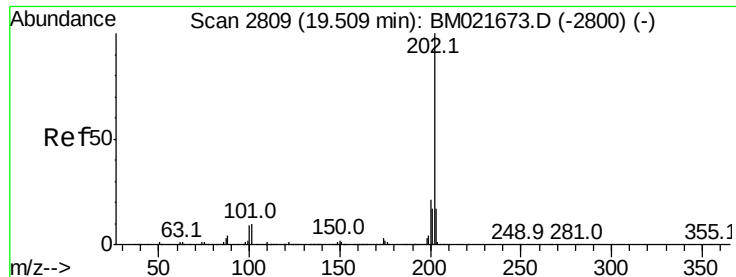


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#79

Pvrene

Concen: 74.405 ng/ul

RT: 19.51 min Scan# 2809

Delta R.T. -0.00 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

Instrument :

BNA_M

ClientSampleId :

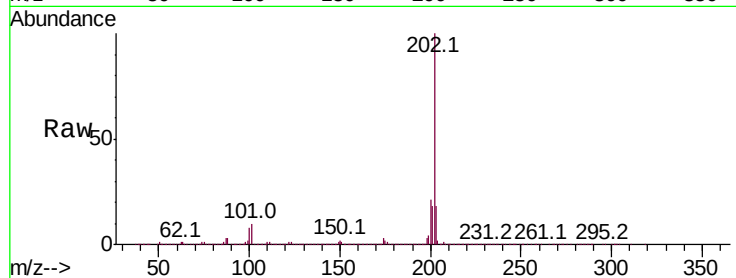
Tot Ion:202 Resp: 3651300

Ion Ratio Lower Upper

202 100

101 9.9 8.2 12.2

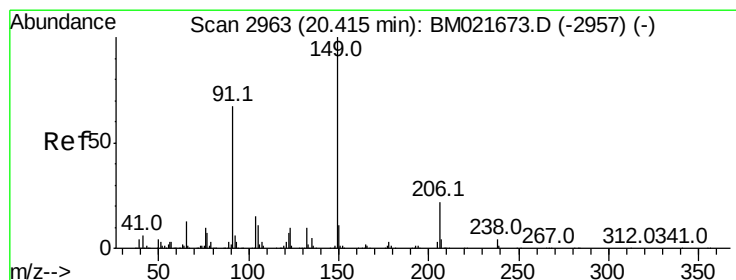
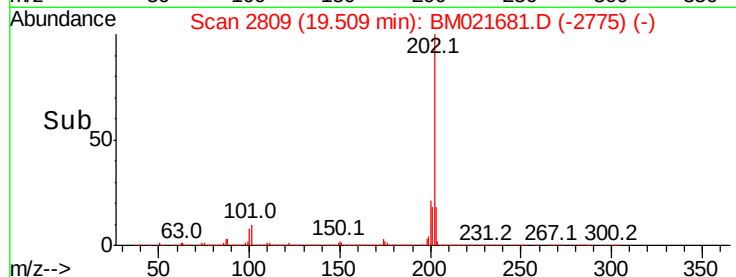
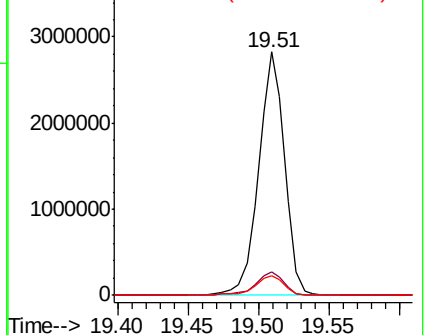
100 8.2 7.0 10.4



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: 0.471 ng/ul

RT: 20.41 min Scan# 2962

Delta R.T. -0.01 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

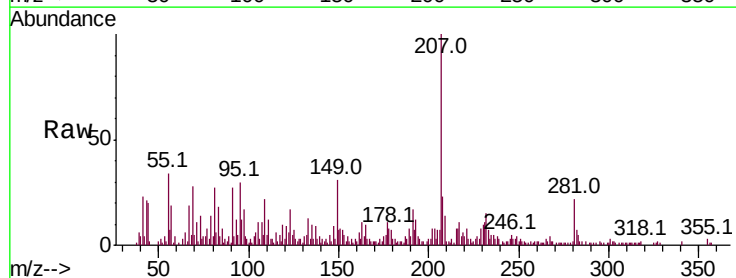
Tgt Ion:149 Resp: 7136

Ion Ratio Lower Upper

149 100

91 87.2 53.4 80.0#

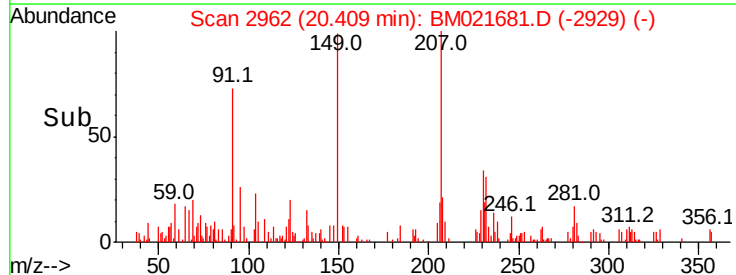
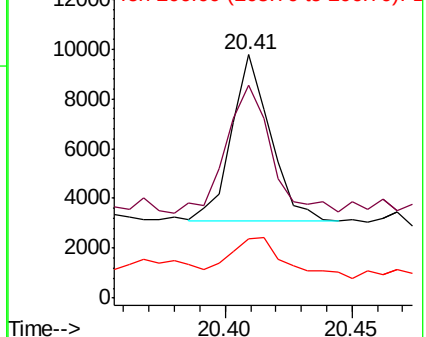
206 24.3 17.9 26.9

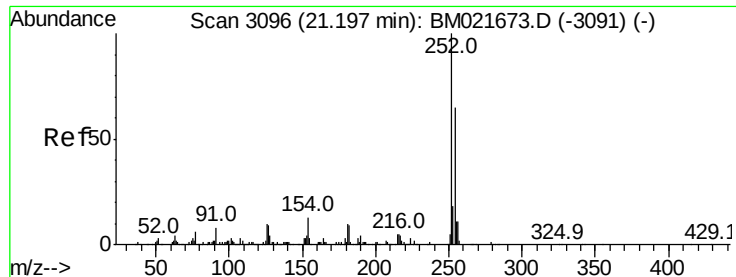


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E

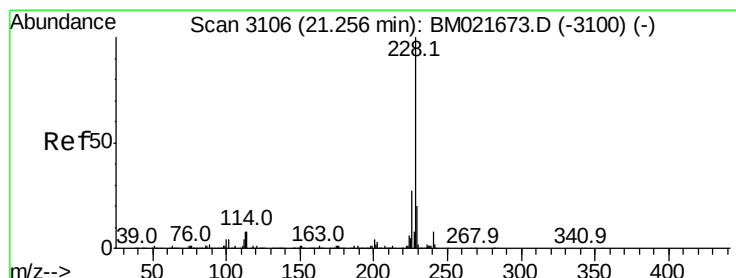
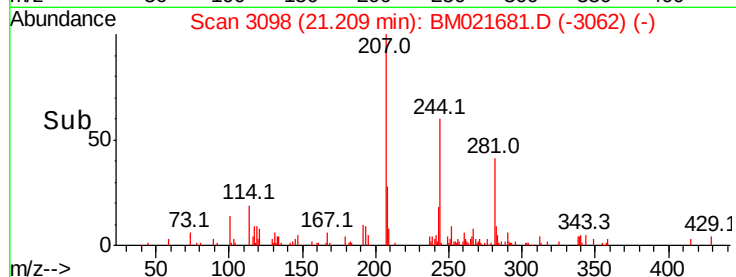
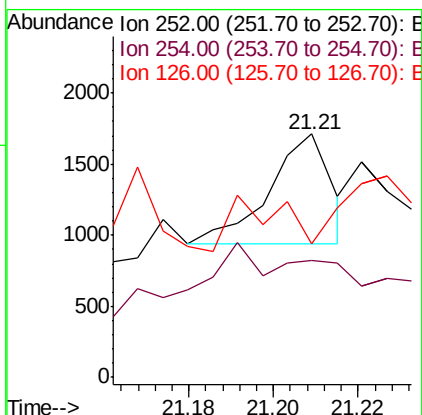
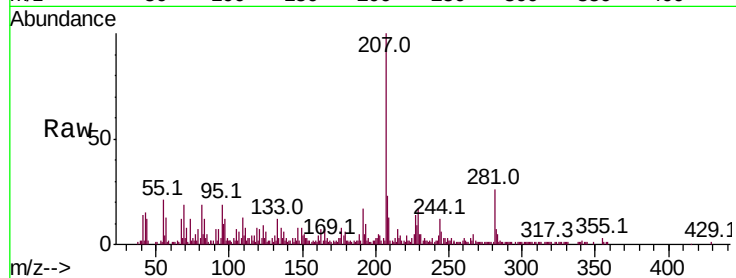




#81
 3,3'-Dichlorobenzidine
 Concen: 0.065 ng/ul
 RT: 21.21 min Scan# 3098
 Delta R.T. 0.01 min
 Lab File: BM021681.D
 Acq: 27 Jul 2019 10:05

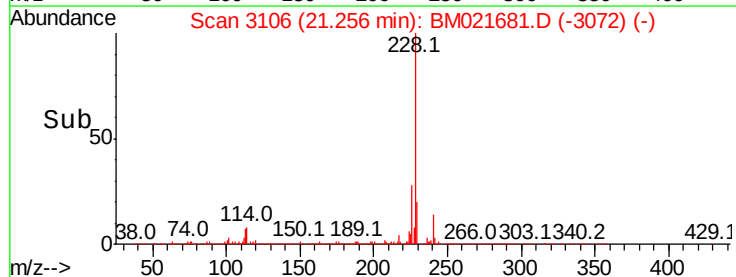
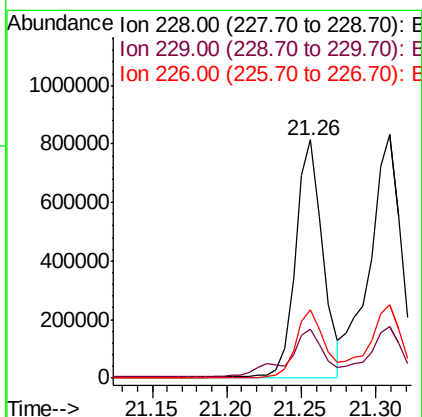
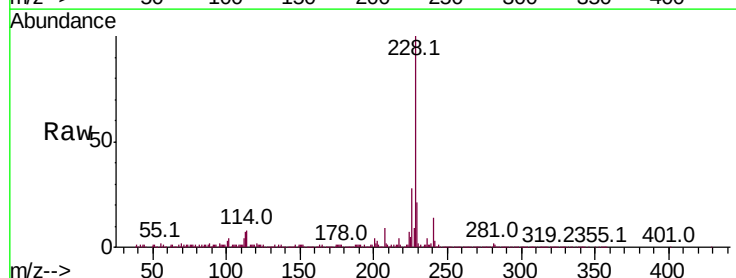
Instrument :
 BNA_M
 ClientSampleId :

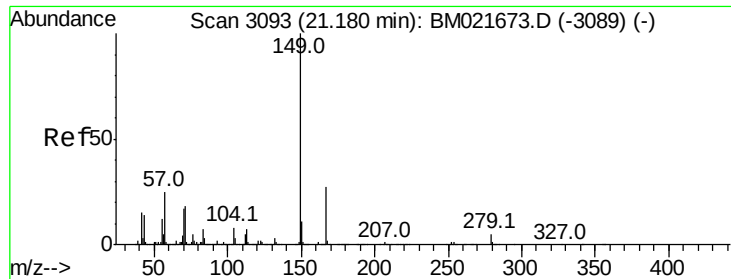
Tot Ion:252 Resp: 786
 Ion Ratio Lower Upper
 252 100
 254 48.1 51.9 77.9#
 126 54.9 8.2 12.4#



#82
 Benzo(a)anthracene
 Concen: 21.501 ng/ul
 RT: 21.26 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: BM021681.D
 Acq: 27 Jul 2019 10:05

Tgt Ion:228 Resp: 1029776
 Ion Ratio Lower Upper
 228 100
 229 20.6 15.7 23.5
 226 28.4 21.4 32.2





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.003 ng/ul

RT: 21.18 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

Instrument :

BNA_M

ClientSampleId :

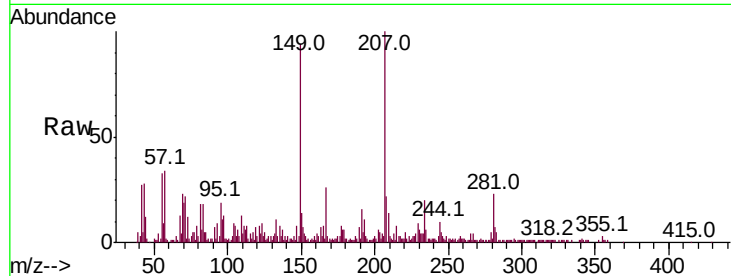
Tot Ion:149 Resp: 65451

Ion Ratio Lower Upper

149 100

167 27.3 21.6 32.4

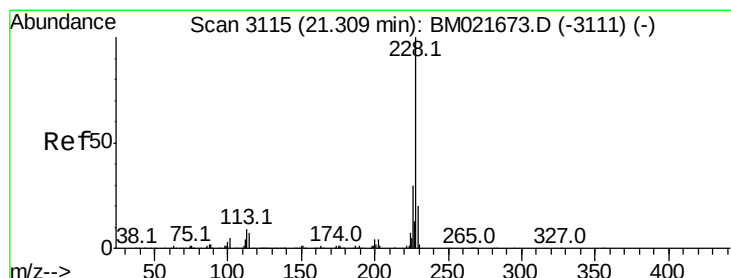
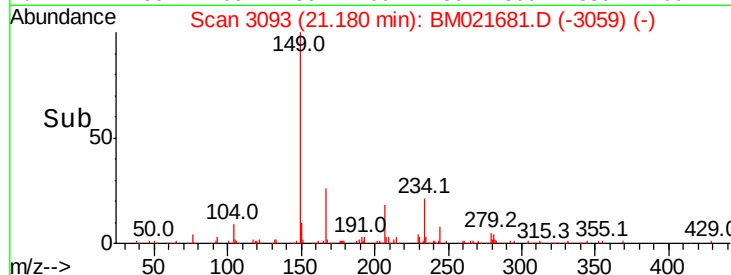
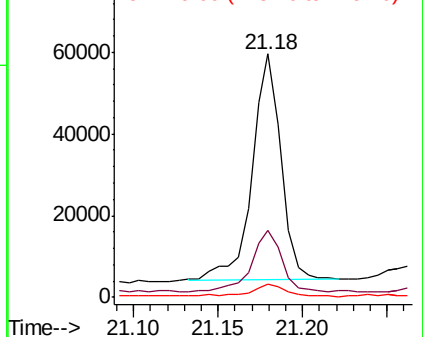
279 5.5 3.8 5.6



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: 26.502 ng/ul

RT: 21.31 min Scan# 3115

Delta R.T. -0.00 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

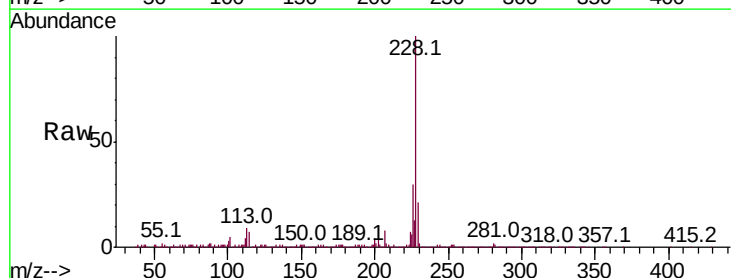
Tgt Ion:228 Resp: 1196611

Ion Ratio Lower Upper

228 100

226 30.4 24.0 36.0

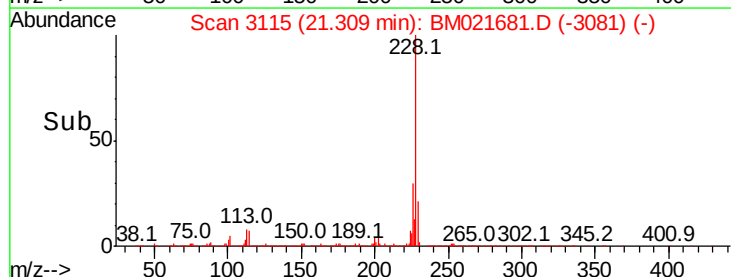
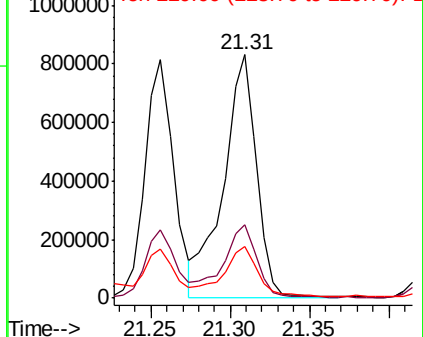
229 21.3 15.7 23.5

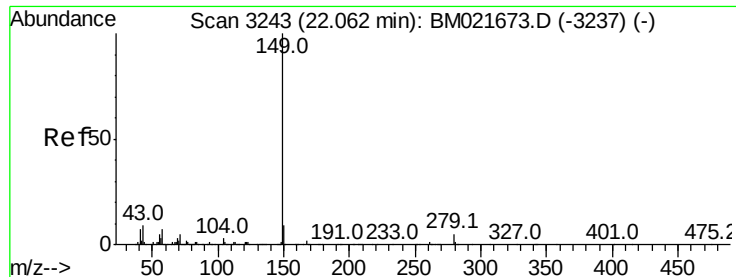


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Di-n-octyl phthalate

Concen: 0.090 ng/ul

RT: 22.07 min Scan# 3244

Delta R.T. 0.01 min

Lab File: BM021681.D

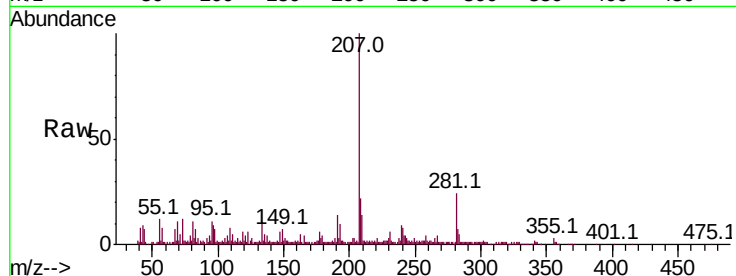
Acq: 27 Jul 2019 10:05

Instrument :

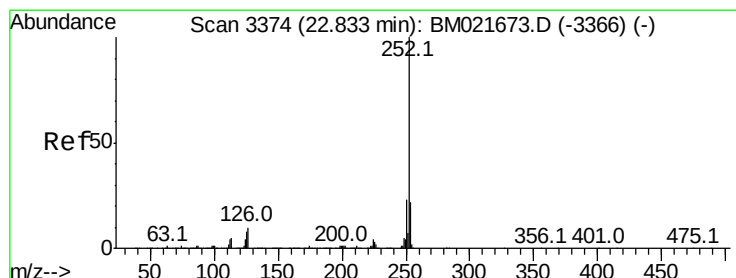
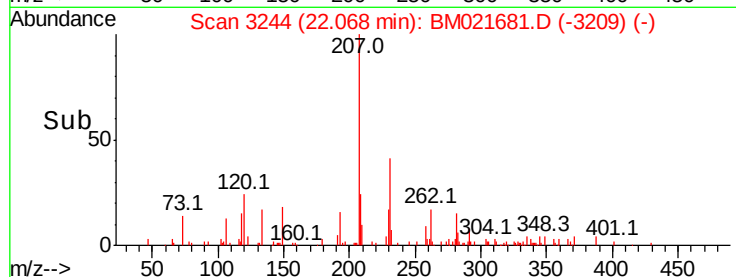
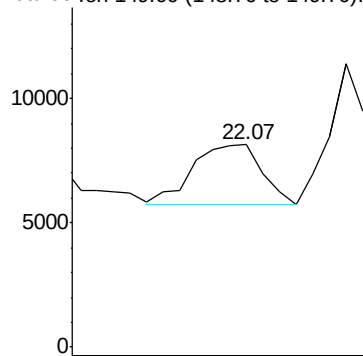
BNA_M

ClientSampleId :

Tgt Ion:149 Resp: 4074



Abundance Ion 149.00 (148.70 to 149.70): E



#87

Benzo(b)fluoranthene

Concen: 32.383 ng/ul

RT: 22.84 min Scan# 3375

Delta R.T. 0.01 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

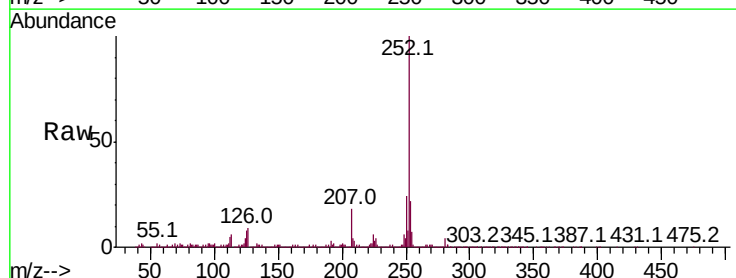
Tgt Ion:252 Resp: 1686398

Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

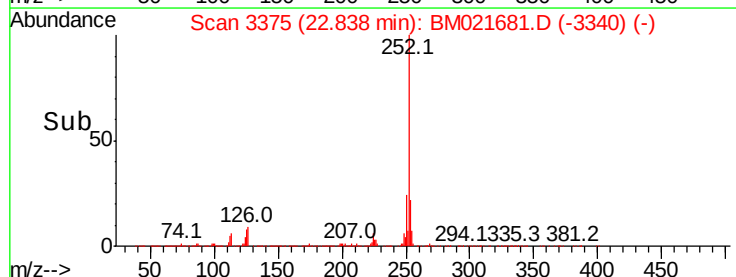
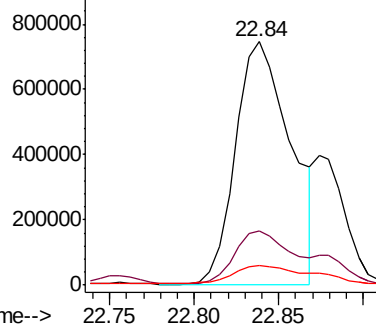
125 8.2 6.3 9.5

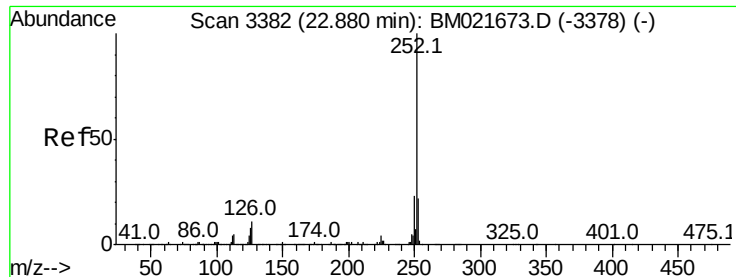


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 33.124 ng/ul

RT: 22.84 min Scan# 3375

Delta R.T. -0.04 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

Instrument :

BNA_M

ClientSampled :

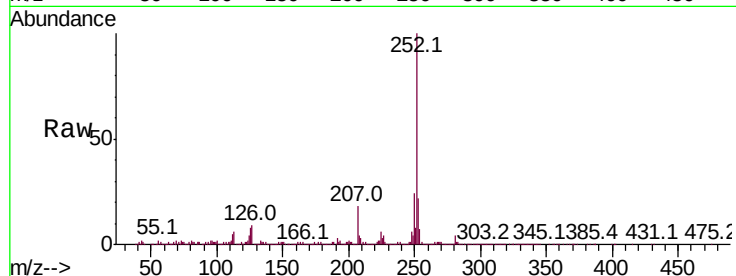
Tot Ion:252 Resp: 1686398

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

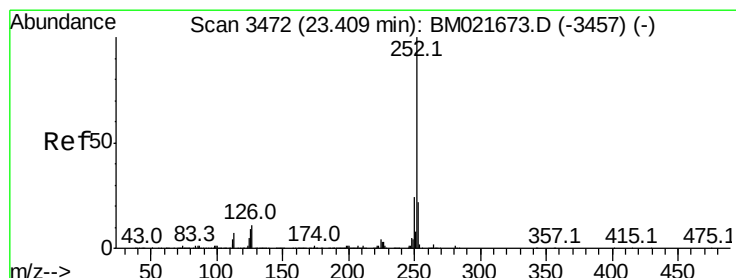
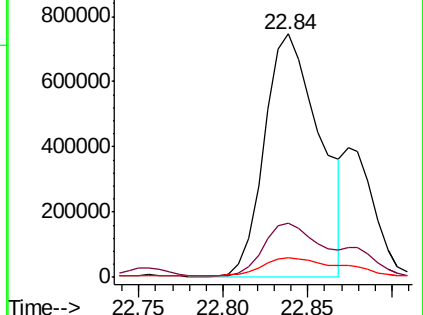
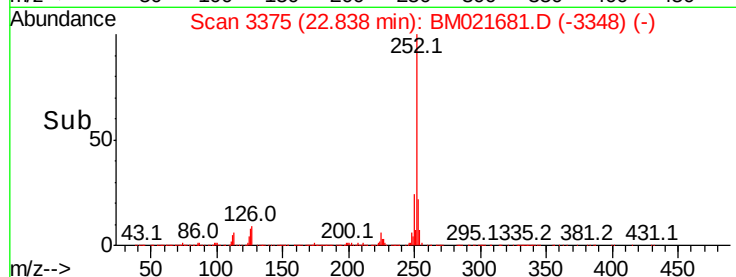
125 8.2 6.3 9.5



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: 21.510 ng/ul

RT: 23.41 min Scan# 3472

Delta R.T. -0.00 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

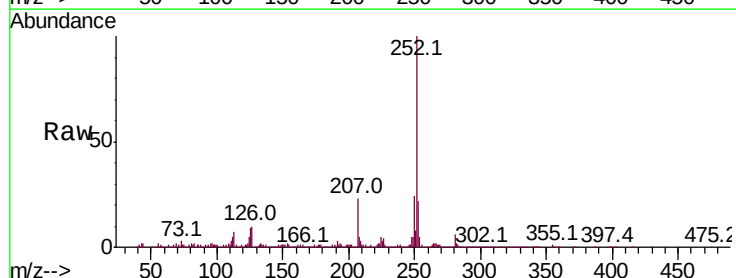
Tgt Ion:252 Resp: 1048786

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

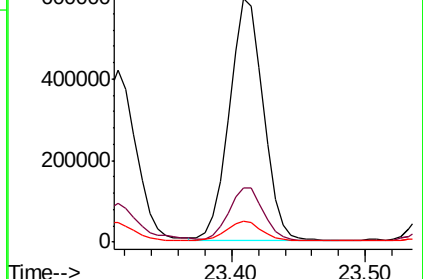
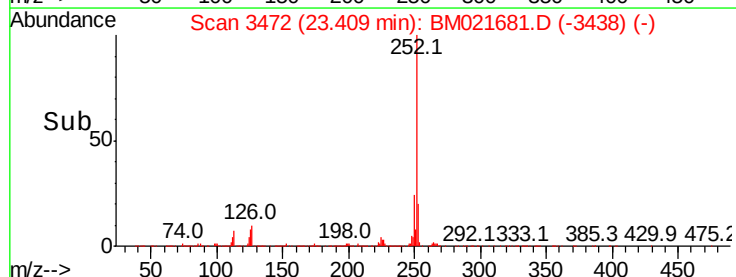
125 8.6 7.0 10.6

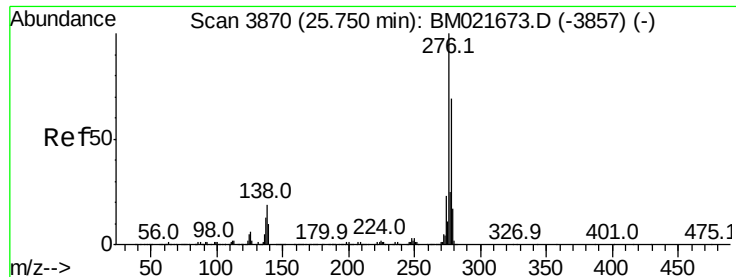


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



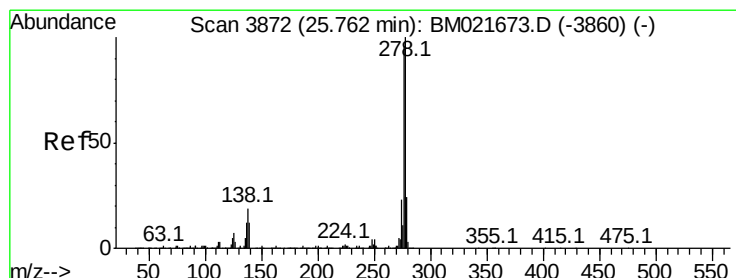
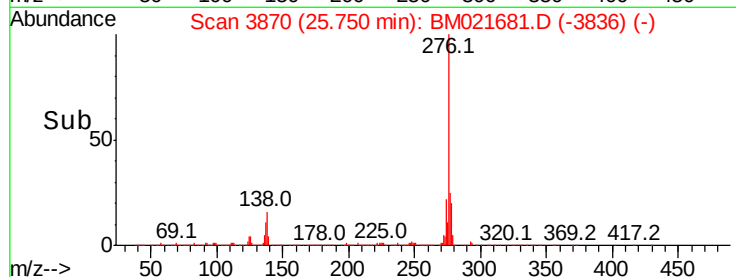
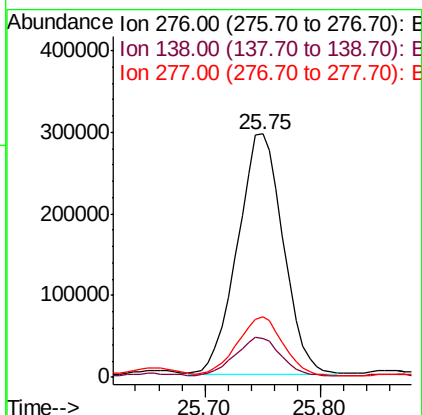
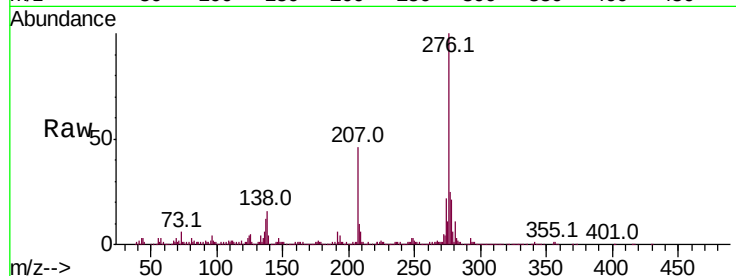


#91

Indeno(1,2,3-cd)pyrene
Concen: 14.390 ng/ul
RT: 25.75 min Scan# 3870
Delta R.T. -0.00 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Instrument :
BNA_M
ClientSampleId :

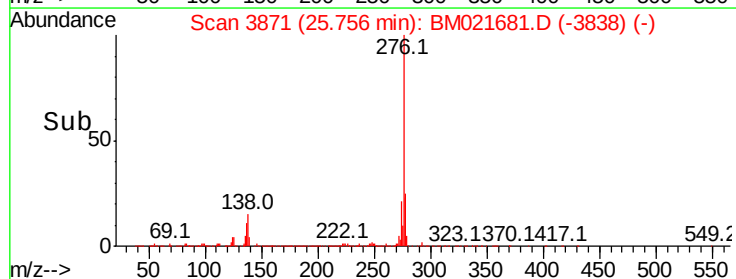
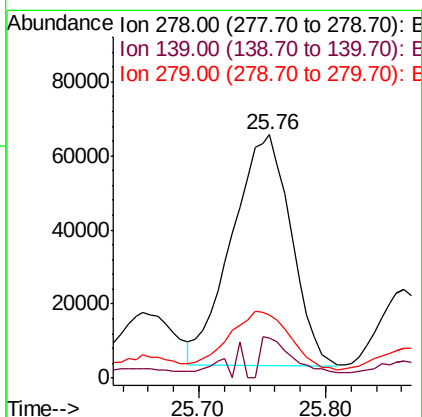
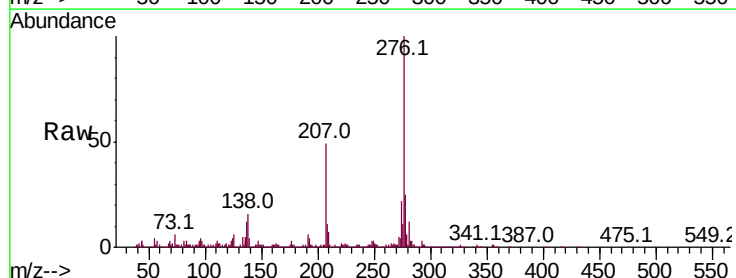
Tot Ion	Ratio	Lower	Upper
276	100		
138	16.2	14.8	22.2
277	25.1	19.7	29.5

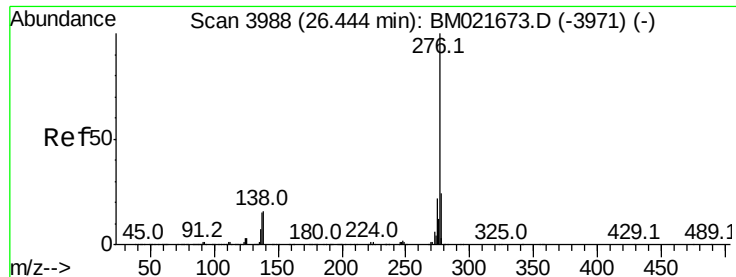


#92

Dibenzo(a,h)anthracene
Concen: 4.311 ng/ul
RT: 25.76 min Scan# 3871
Delta R.T. -0.01 min
Lab File: BM021681.D
Acq: 27 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.5	9.6	14.4#
279	25.7	19.2	28.8





#93

Benzo(a,h,i)perylene

Concen: 14.766 ng/ul

RT: 26.44 min Scan# 3988

Delta R.T. -0.00 min

Lab File: BM021681.D

Acq: 27 Jul 2019 10:05

Instrument :

BNA_M

ClientSampleId :

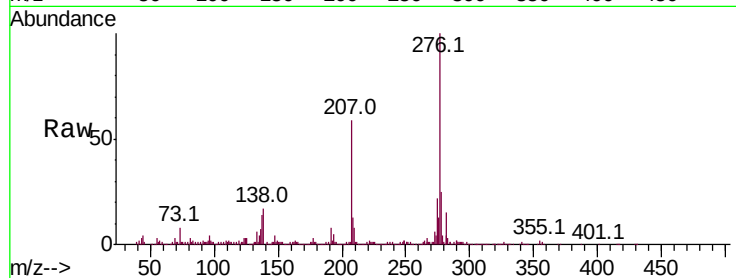
Tot Ion:276 Resp: 694216

Ion Ratio Lower Upper

276 100

138 16.8 13.1 19.7

277 24.7 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

