

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012117\
 Data File : BM008786.D
 Acq On : 22 Jan 2017 00:24
 Operator : UM/SJ
 Sample : I1323-21
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA9R6

Quant Time: Jan 23 05:02:33 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 23 04:58:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	68521	20.00	ng/ul	0.00
18) Naphthalene-d8	10.76	136	335311	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.58	164	325175	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.33	188	735036	20.00	ng/ul	0.00
75) Chrysene-d12	21.49	240	901769	20.00	ng/ul	0.00
83) Perylene-d12	23.85	264	787760	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	1699	1.15	ng/uL	0.00
5) Phenol-d5	7.10	99	35177	6.25	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.28	67	147116	38.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.48	132	95039	24.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.65	113	68371	15.66	ng/ul	0.00
19) Nitrobenzene-d5	9.12	128	63894	30.88	ng/ul	0.00
22) 2-Nitrophenol-d4	9.83	143	85615	38.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.37	165	162421	31.37	ng/ul	0.00
29) 4-Chloroaniline-d4	10.91	131	532	0.09	ng/ul	0.02
43) Dimethylphthalate-d6	13.99	166	740002	34.49	ng/ul	0.00
46) Acenaphthylene-d8	14.28	160	880697	34.81	ng/ul	0.00
51) 4-Nitrophenol-d4	14.74	143	979	0.28	ng/ul	-0.02
57) Fluorene-d10	15.57	176	682245	34.49	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.72	200	3031530	800.14	ng/ul	0.03
70) Anthracene-d10	17.43	188	1160084	36.63	ng/ul	0.00
76) Pyrene-d10	19.71	212	1404601	35.35	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.70	264	1222432	38.05	ng/ul	0.00

Target Compounds

						Qvalue
4) Benzaldehyde	7.09	77	5244	1.28	ng/ul#	1
6) Phenol	7.13	94	95546	15.80	ng/ul#	45
12) 2,2'-oxybis(1-Chloropropan	8.56	45	10016	1.46	ng/ul	98
14) Acetophenone	8.75	105	16359	2.13	ng/ul#	46
17) Hexachloroethane	9.06	117	13707	6.44	ng/ul#	4
20) Nitrobenzene	9.13	77	8029	1.09	ng/ul#	11
21) Isophorone	9.69	82	61723	4.75	ng/ul#	86
28) Naphthalene	10.82	128	8108698	529.16	ng/ul	99
30) 4-Chloroaniline	10.82	127	1109053	188.63	ng/ul#	18
34) 2-Methylnaphthalene	12.41	142	624330	52.56	ng/ul	97
38) 2,4,6-Trichlorophenol	13.09	196	526269	89.42	ng/ul	97
39) 2,4,5-Trichlorophenol	13.09	196	526269	82.98	ng/ul	98
40) 1,1'-Biphenyl	13.42	154	125957	6.18	ng/ul#	95
45) 2,6-Dinitrotoluene	14.13	165	6416	1.71	ng/ul#	63
49) Acenaphthene	14.64	153	311924	18.18	ng/ul#	52
52) 4-Nitrophenol	14.76	109	1045111	179.01	ng/ul#	1
53) Dibenzofuran	14.98	168	901633	34.53	ng/ul	89
55) 2,3,4,6-Tetrachlorophenol	15.21	232	26200	4.37	ng/ul#	87
58) Fluorene	15.63	166	673334	31.46	ng/ul	98
60) 4-Nitroaniline	15.63	138	11363	2.74	ng/ul#	46
63) 4,6-Dinitro-2-methylphenol	15.72	198	8850755	2209.00	ng/ul#	57
64) N-Nitrosodiphenylamine	15.93	169	21516	1.17	ng/ul#	34
68) Pentachlorophenol	16.97	266	178266	33.25	ng/ul	94

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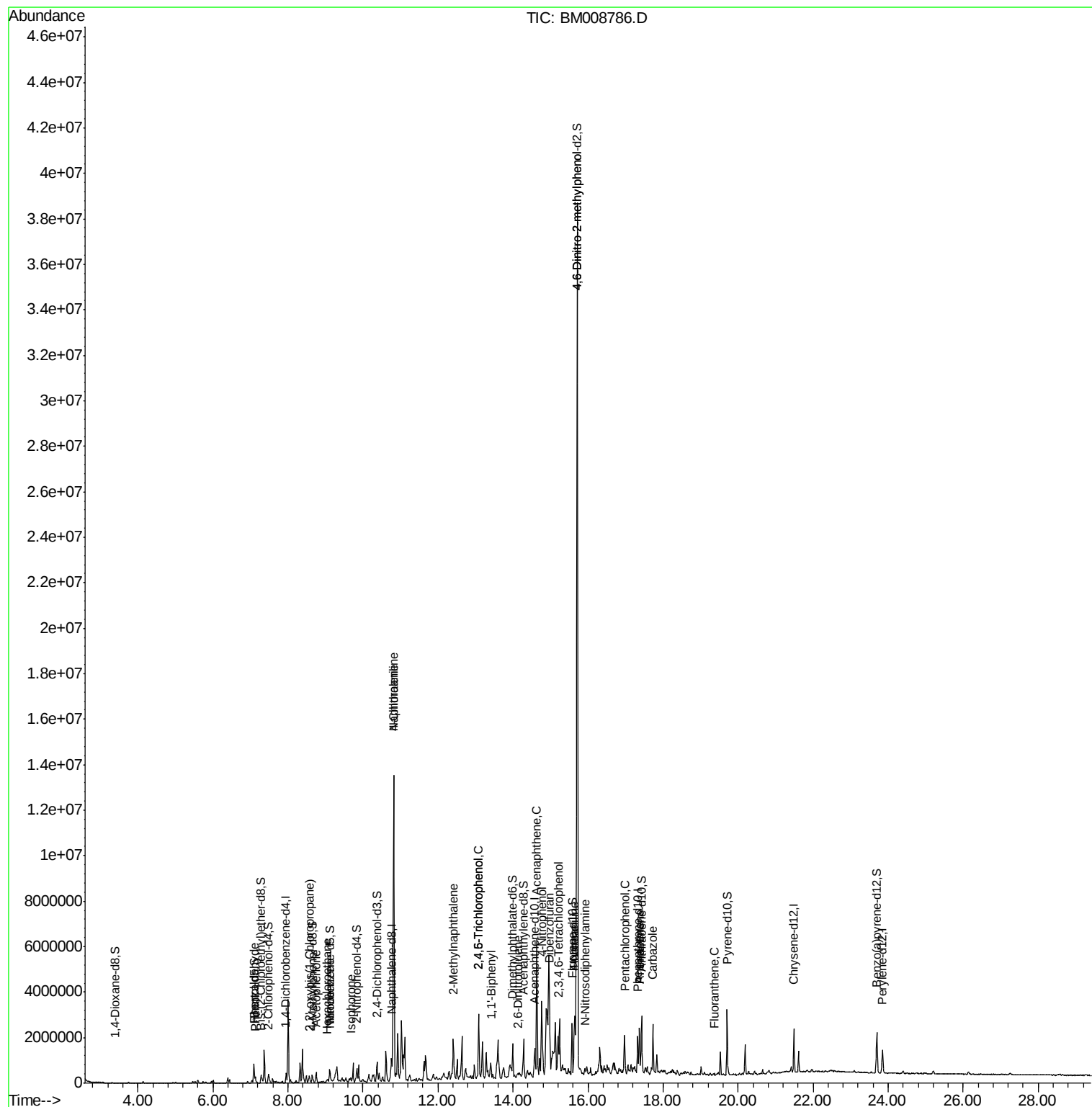
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Phenanthrene	17.37	178	950997	26.88	ng/ul	97
71) Anthracene	17.37	178	950997	26.15	ng/ul	97
72) Carbazole	17.73	167	1173895	36.27	ng/ul	96
74) Fluoranthene	19.37	202	56873	1.25	ng/ul	99

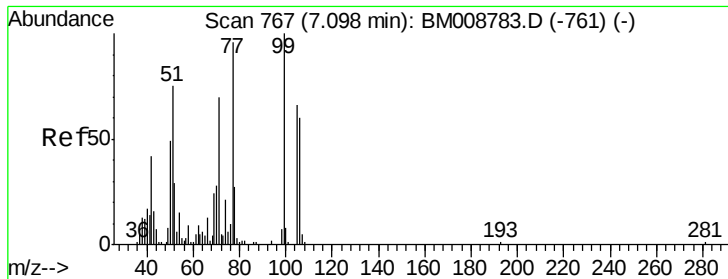
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.28 ng/ul

RT: 7.09 min Scan# 766

Delta R.T. -0.01 min

Lab File: BM008786.D

Acq: 22 Jan 2017 00:24

Instrument :

BNA_M

ClientSampleId :

DA9R6

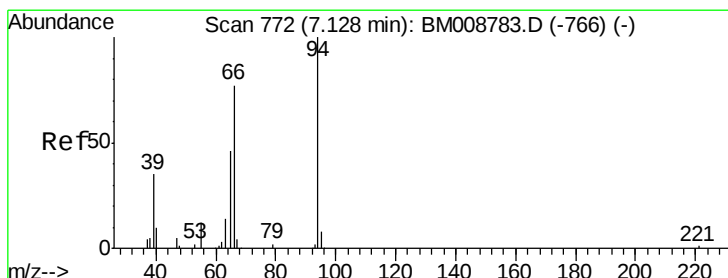
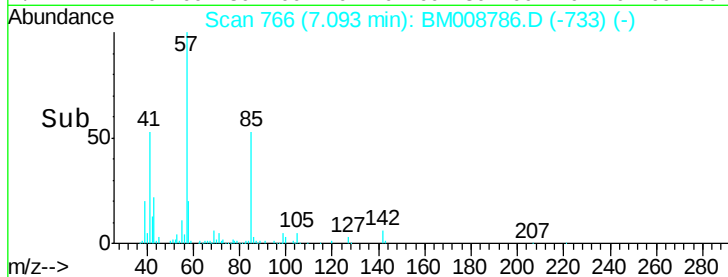
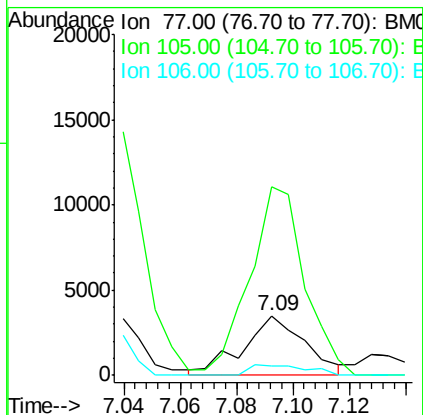
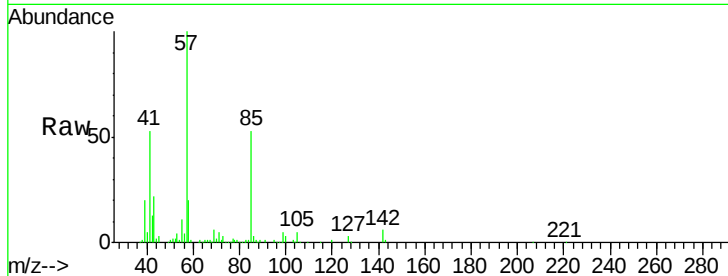
Tgt Ion: 77 Resp: 5244

Ion Ratio Lower Upper

77 100

105 316.1 76.5 114.7#

106 15.8 71.3 106.9#



#6

Phenol

Concen: 15.80 ng/ul

RT: 7.13 min Scan# 772

Delta R.T. 0.00 min

Lab File: BM008786.D

Acq: 22 Jan 2017 00:24

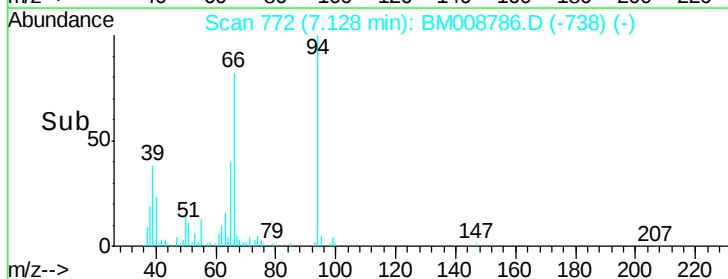
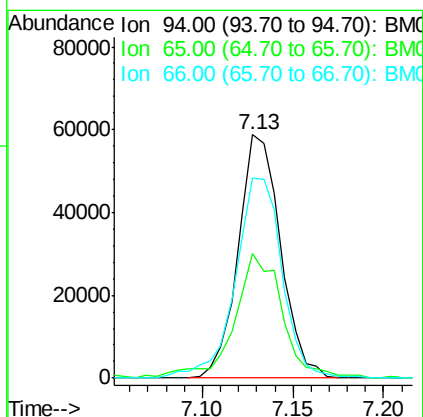
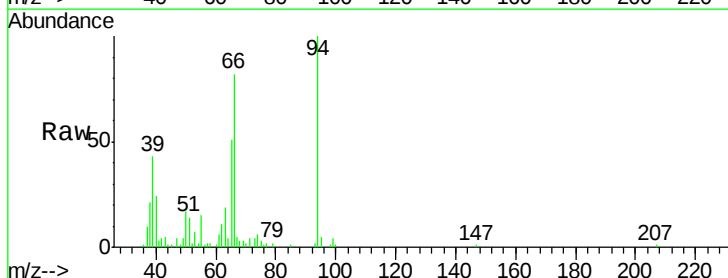
Tgt Ion: 94 Resp: 95546

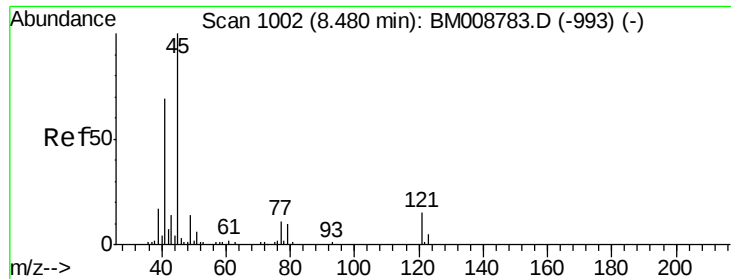
Ion Ratio Lower Upper

94 100

65 51.1 23.1 34.7#

66 82.4 33.7 50.5#

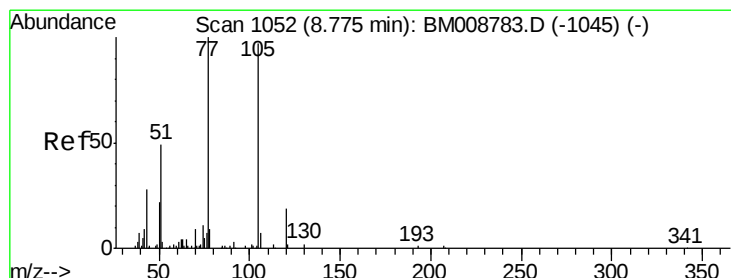
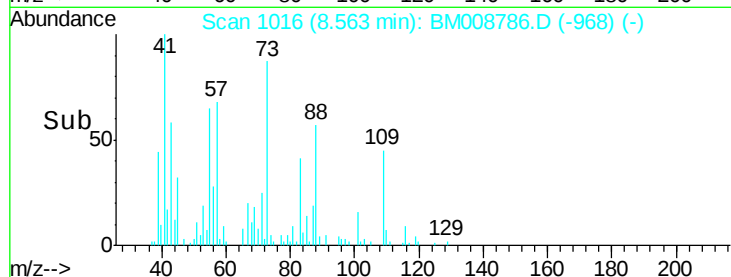
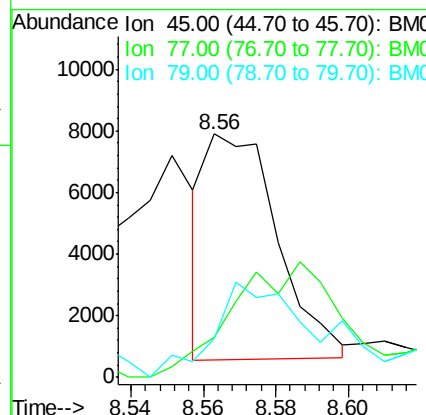
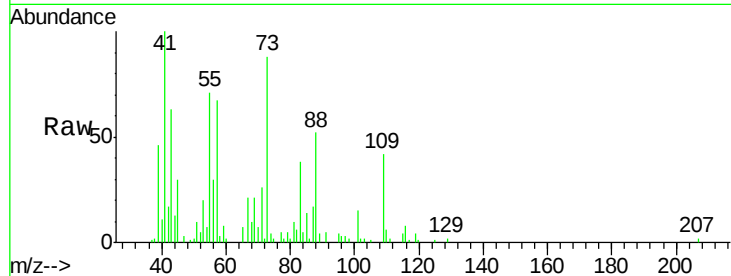




#12
2,2'-oxybis(1-Chloropropane)
Concen: 1.46 ng/ul
RT: 8.56 min Scan# 1016
Delta R.T. 0.08 min
Lab File: BM008786.D
Acq: 22 Jan 2017 00:24

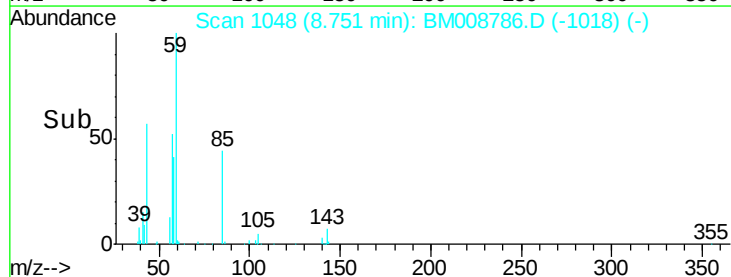
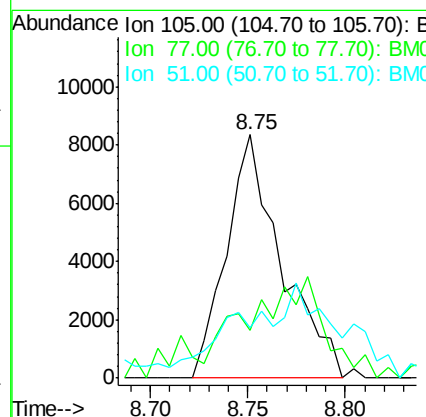
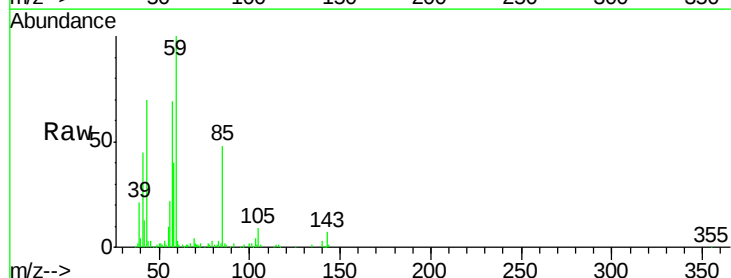
Instrument :
BNA_M
ClientSampleId :
DA9R6

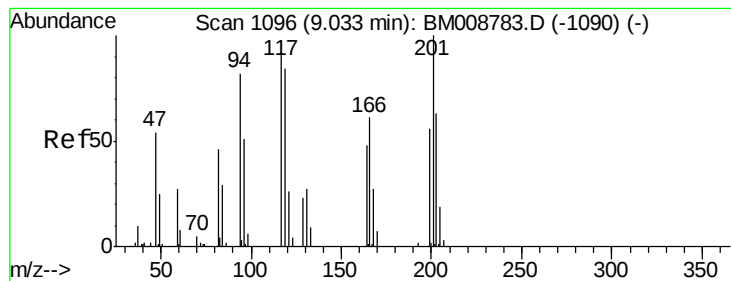
Tgt Ion: 45 Resp: 10016
Ion Ratio Lower Upper
45 100
77 16.3 13.8 20.6
79 15.7 12.1 18.1



#14
Acetophenone
Concen: 2.13 ng/ul
RT: 8.75 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BM008786.D
Acq: 22 Jan 2017 00:24

Tgt Ion: 105 Resp: 16359
Ion Ratio Lower Upper
105 100
77 19.4 64.2 96.4#
51 20.8 19.8 29.6





#17

Hexachloroethane

Concen: 6.44 ng/ul

RT: 9.06 min Scan# 1100

Delta R.T. 0.02 min

Lab File: BM008786.D

Acq: 22 Jan 2017 00:24

Instrument :

BNA_M

ClientSampleId :

DA9R6

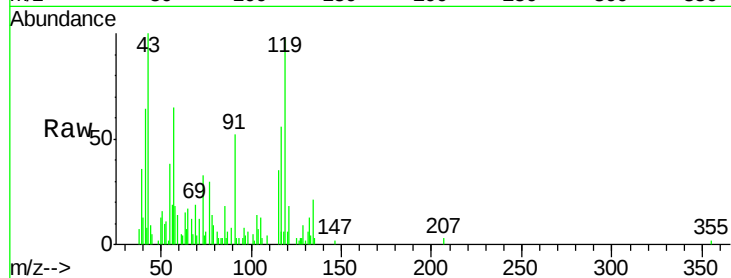
Tgt Ion:117 Resp: 13707

Ion Ratio Lower Upper

117 100

201 0.0 85.4 128.2#

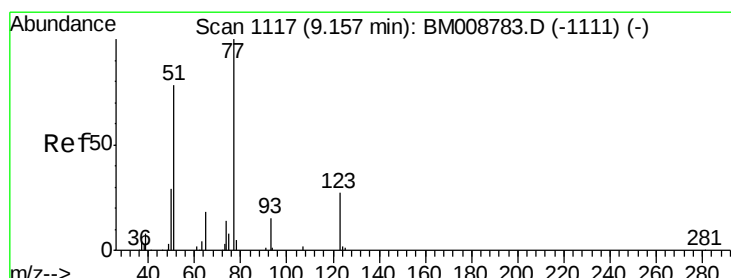
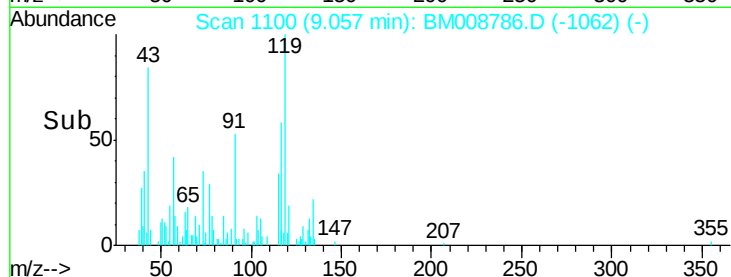
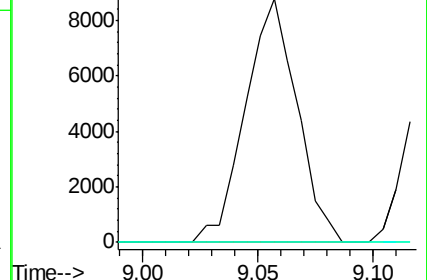
199 0.0 54.1 81.1#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#20

Nitrobenzene

Concen: 1.09 ng/ul

RT: 9.13 min Scan# 1113

Delta R.T. -0.02 min

Lab File: BM008786.D

Acq: 22 Jan 2017 00:24

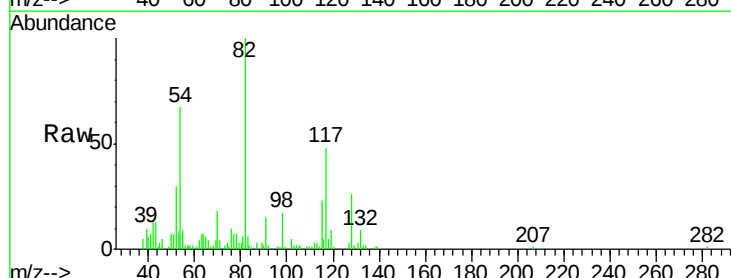
Tgt Ion: 77 Resp: 8029

Ion Ratio Lower Upper

77 100

123 0.0 32.2 48.2#

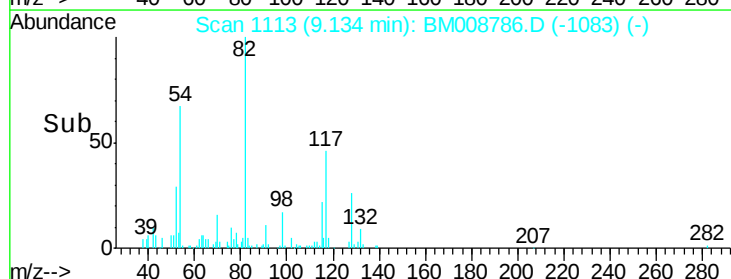
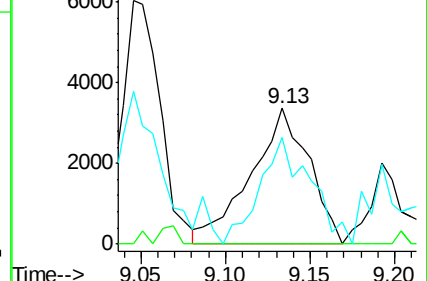
65 78.5 11.0 16.6#

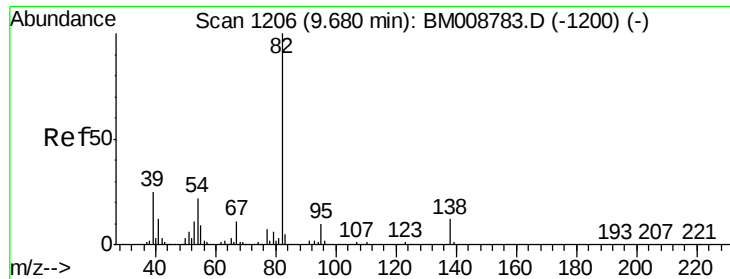


Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM

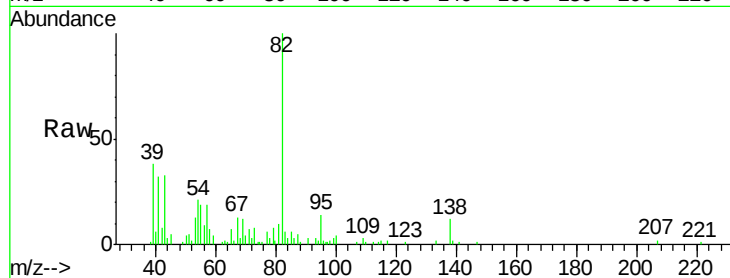




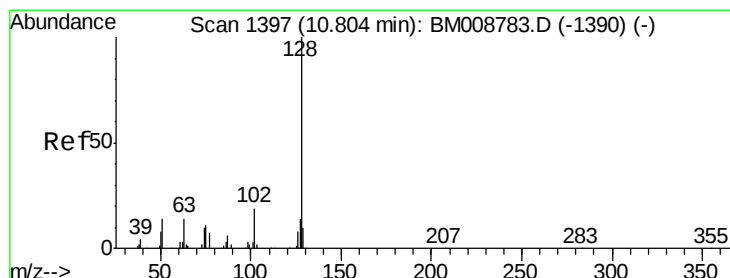
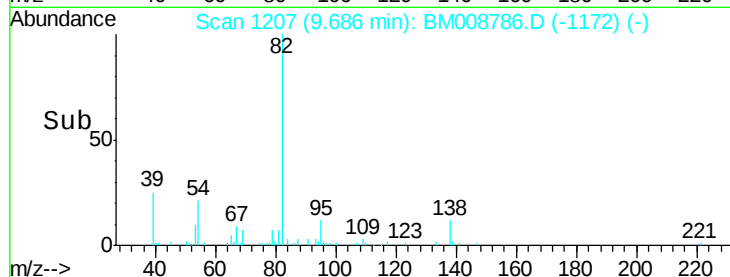
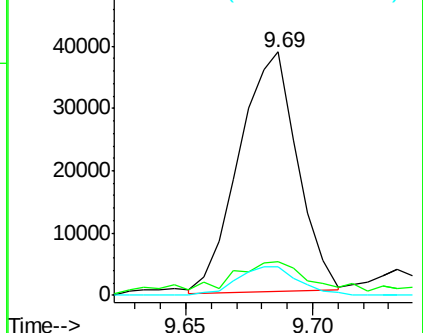
#21
Isophorone
Concen: 4.75 ng/ul
RT: 9.69 min Scan# 1207
Delta R.T. 0.01 min
Lab File: BM008786.D
Acq: 22 Jan 2017 00:24

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Tgt Ion: 82 Resp: 61723
Ion Ratio Lower Upper
82 100
95 14.1 6.1 9.1#
138 11.7 13.4 20.2#

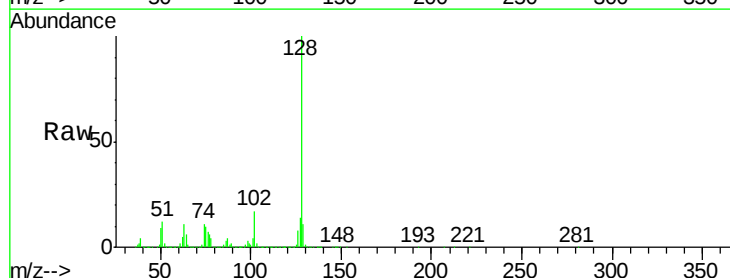


Abundance Ion 82.00 (81.70 to 82.70): BM008786.D (-1172) (-)
Ion 95.00 (94.70 to 95.70): BM008786.D (-1172) (-)
Ion 138.00 (137.70 to 138.70): BM008786.D (-1172) (-)

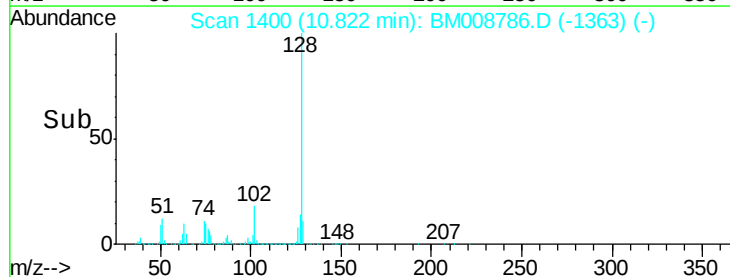
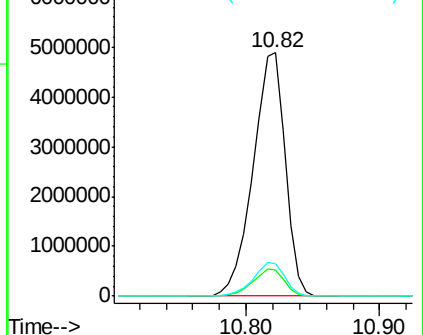


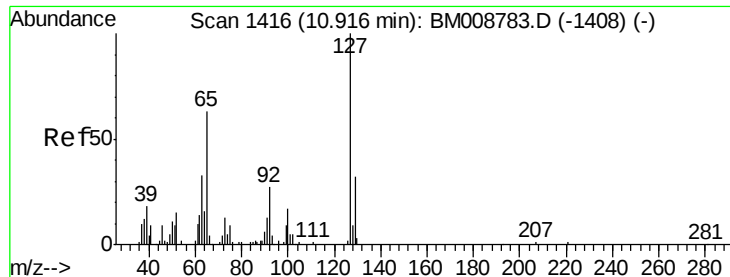
#28
Naphthalene
Concen: 529.16 ng/ul
RT: 10.82 min Scan# 1400
Delta R.T. 0.02 min
Lab File: BM008786.D
Acq: 22 Jan 2017 00:24

Tgt Ion: 128 Resp: 8108698
Ion Ratio Lower Upper
128 100
129 10.7 8.3 12.5
127 13.6 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): BM008786.D (-1363) (-)
Ion 129.00 (128.70 to 129.70): BM008786.D (-1363) (-)
Ion 127.00 (126.70 to 127.70): BM008786.D (-1363) (-)

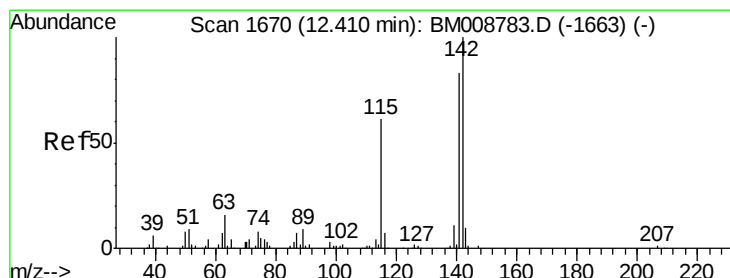
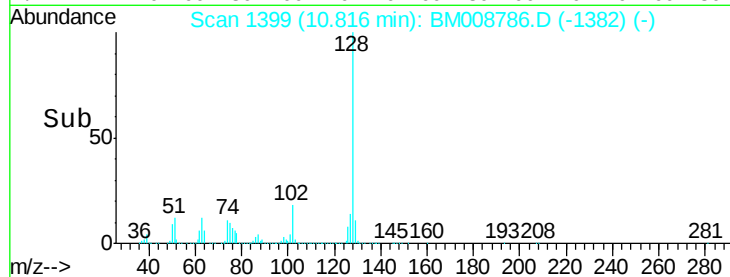
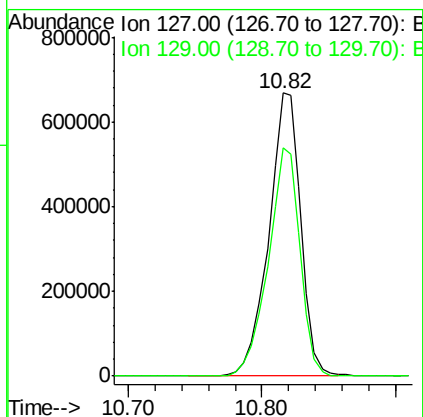
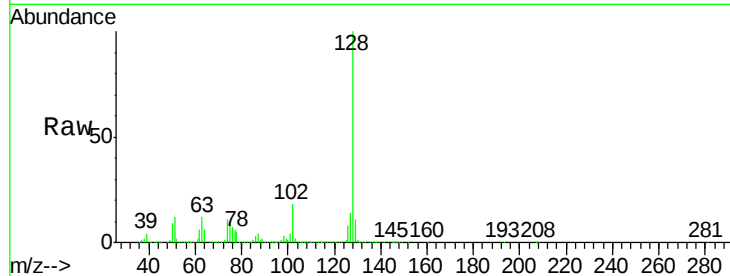




#30
 4-Chloroaniline
 Concen: 188.63 ng/ul
 RT: 10.82 min Scan# 1399
 Delta R.T. -0.10 min
 Lab File: BM008786.D
 Acq: 22 Jan 2017 00:24

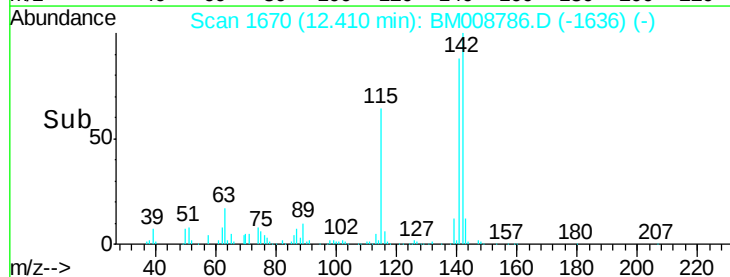
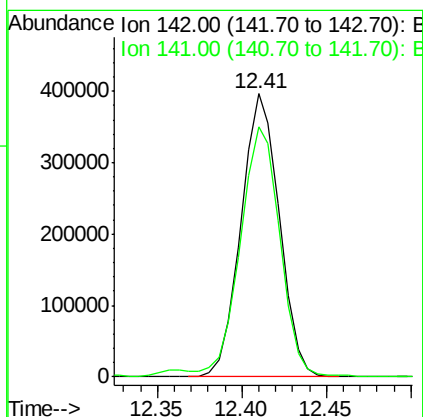
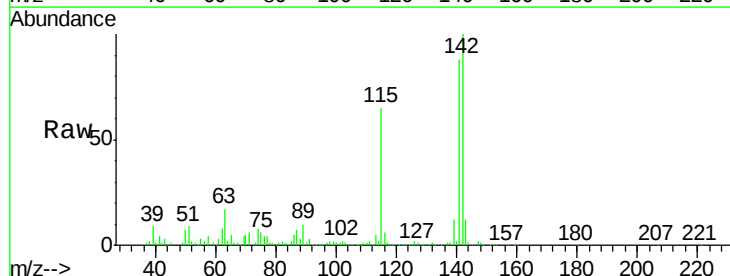
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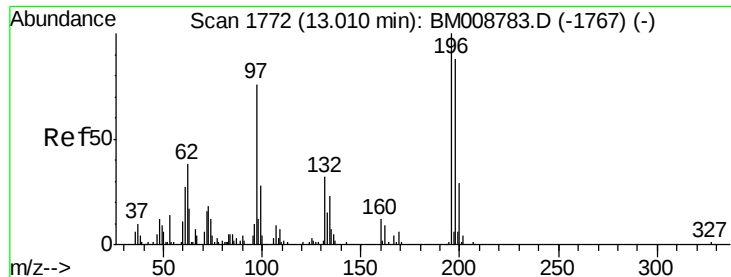
Tgt Ion:127 Resp: 1109053
 Ion Ratio Lower Upper
 127 100
 129 80.7 27.1 40.7#



#34
 2-Methylnaphthalene
 Concen: 52.56 ng/ul
 RT: 12.41 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: BM008786.D
 Acq: 22 Jan 2017 00:24

Tgt Ion:142 Resp: 624330
 Ion Ratio Lower Upper
 142 100
 141 88.2 73.0 109.4

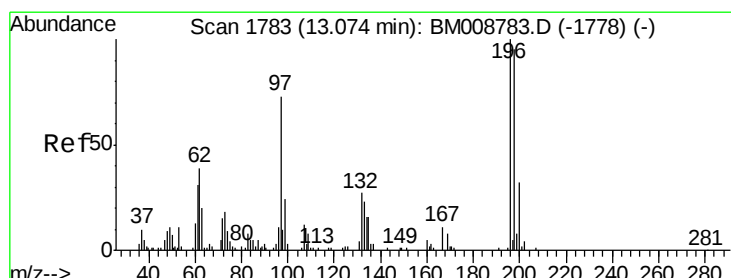
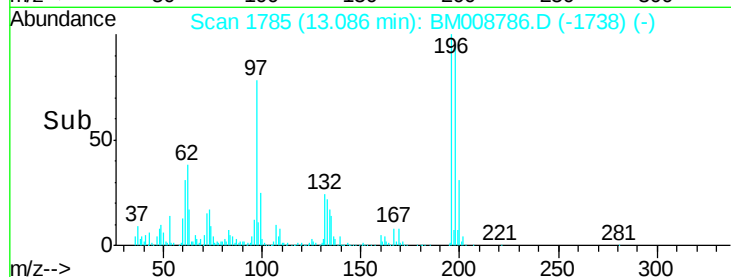
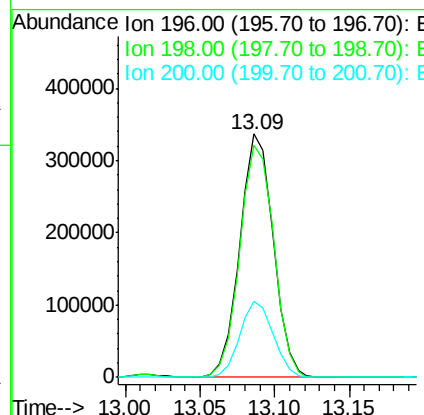
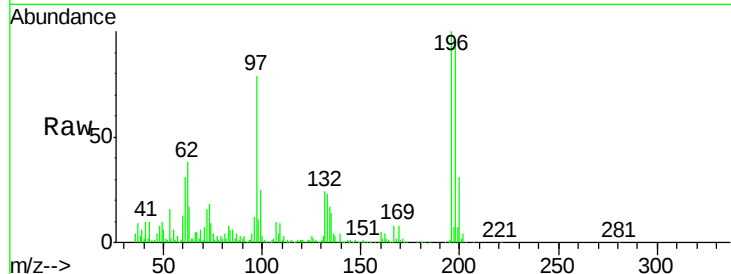




#38
 2,4,6-Trichlorophenol
 Concen: 89.42 ng/ul
 RT: 13.09 min Scan# 1785
 Delta R.T. 0.08 min
 Lab File: BM008786.D
 Acq: 22 Jan 2017 00:24

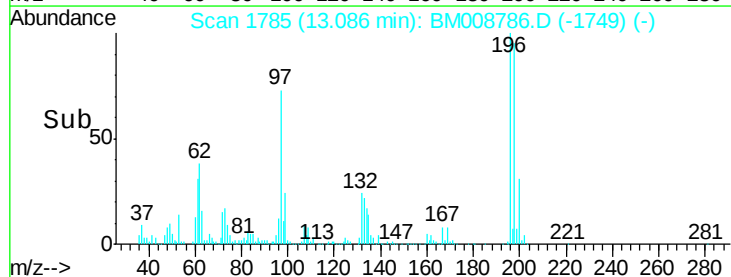
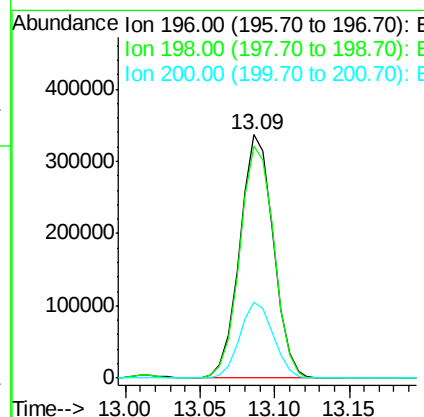
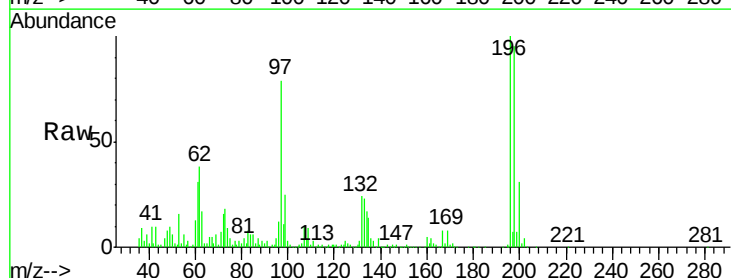
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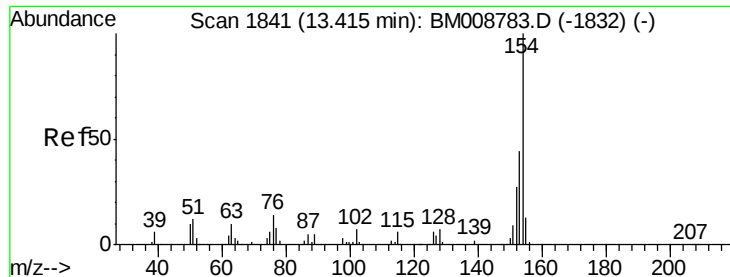
Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.2	78.8	118.2
200	31.3	25.7	38.5



#39
 2,4,5-Trichlorophenol
 Concen: 82.98 ng/ul
 RT: 13.09 min Scan# 1785
 Delta R.T. 0.01 min
 Lab File: BM008786.D
 Acq: 22 Jan 2017 00:24

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.2	77.8	116.6
200	31.3	23.6	35.4

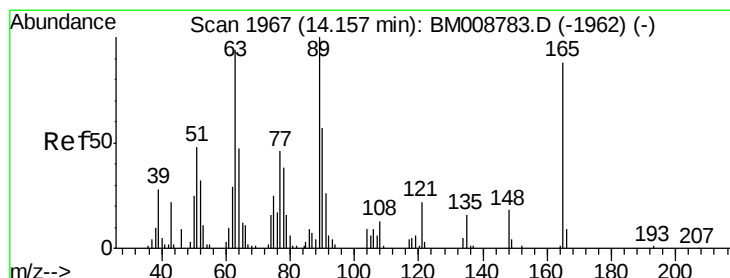
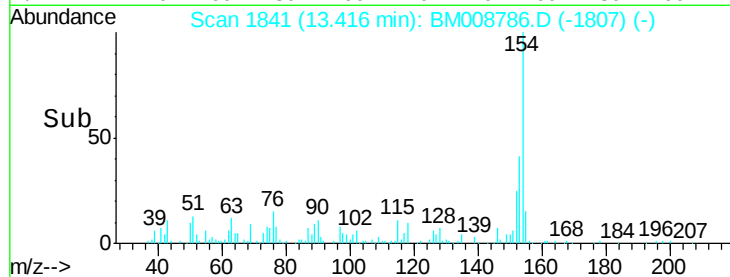
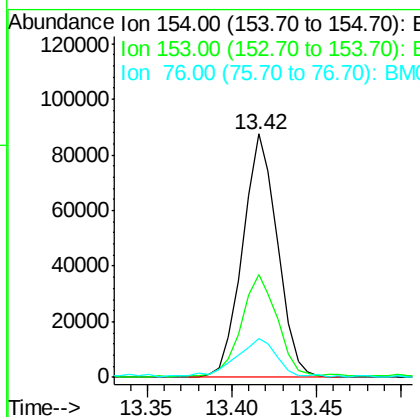
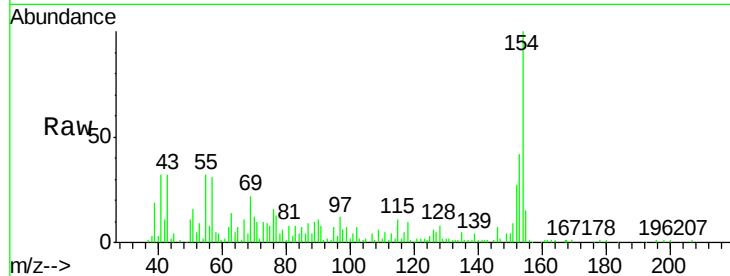




#40
 1,1'-Biphenyl
 Concen: 6.18 ng/ul
 RT: 13.42 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BM008786.D
 Acq: 22 Jan 2017 00:24

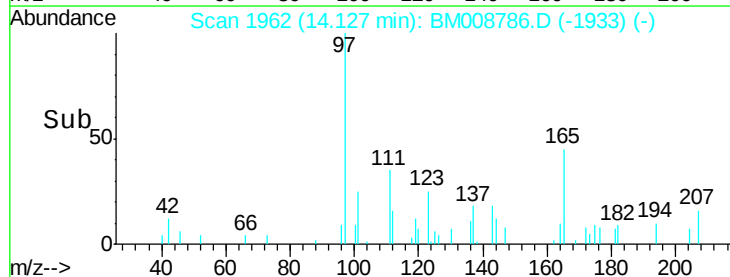
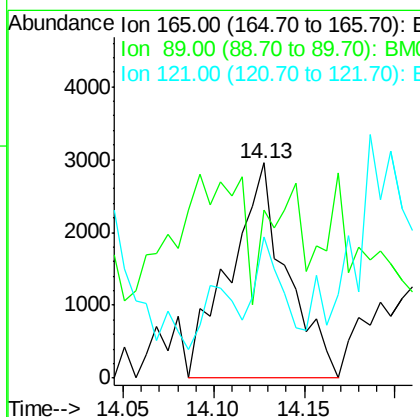
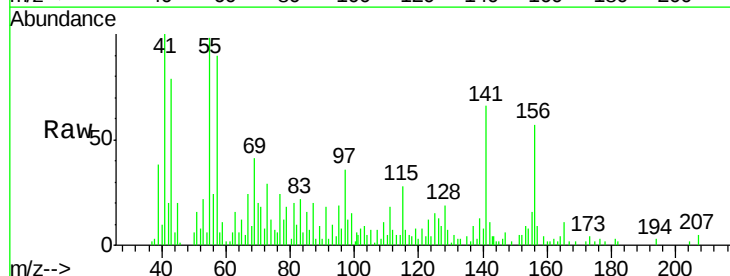
Instrument :
 BNA_M
 ClientSampleId :
 DA9R6

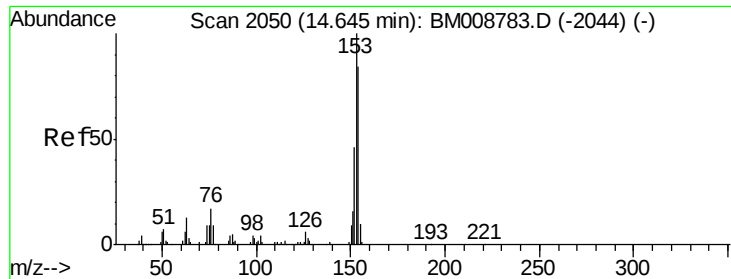
Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.2	32.2	48.4
76	15.8	9.8	14.6



#45
 2,6-Dinitrotoluene
 Concen: 1.71 ng/ul
 RT: 14.13 min Scan# 1962
 Delta R.T. -0.03 min
 Lab File: BM008786.D
 Acq: 22 Jan 2017 00:24

Tgt Ion	Ratio	Lower	Upper
165	100		
89	78.0	50.6	76.0
121	65.4	18.2	27.2





#49

Acenaphthene

Concen: 18.18 ng/ul

RT: 14.64 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BM008786.D

Acq: 22 Jan 2017 00:24

Instrument :

BNA_M

ClientSampleId :

DA9R6

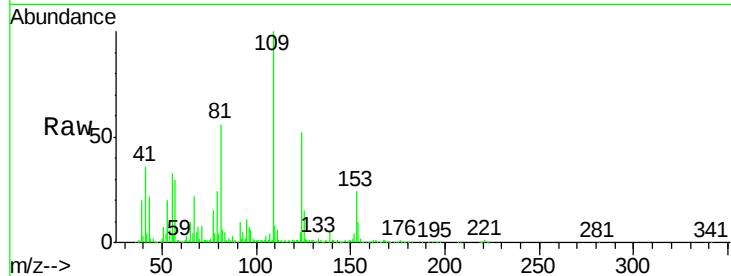
Tgt Ion:153 Resp: 311924

Ion Ratio Lower Upper

153 100

152 18.2 36.4 54.6#

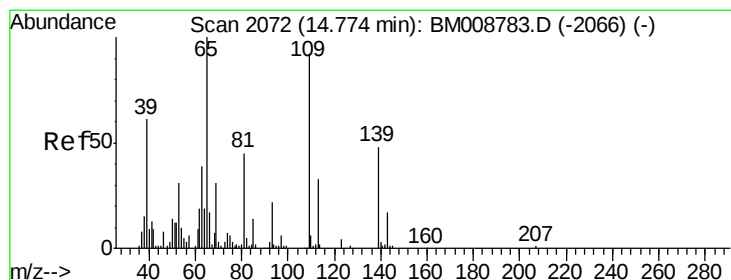
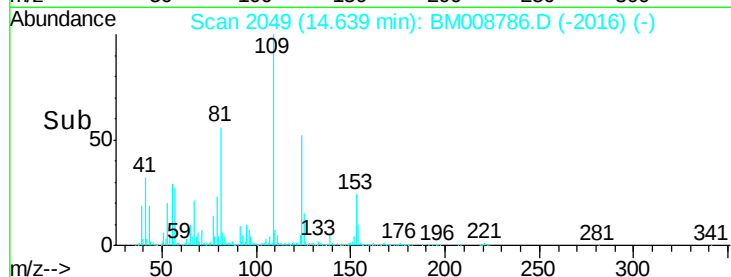
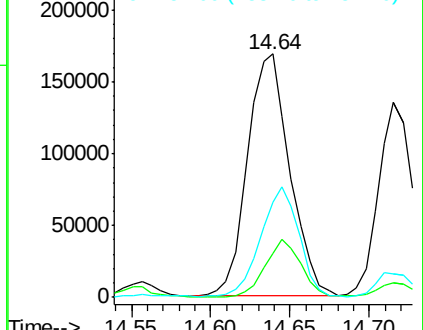
154 39.3 68.7 103.1#



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: 179.01 ng/ul

RT: 14.76 min Scan# 2070

Delta R.T. -0.01 min

Lab File: BM008786.D

Acq: 22 Jan 2017 00:24

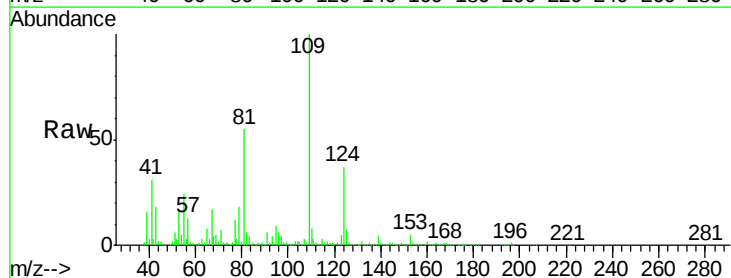
Tgt Ion:109 Resp: 1045111

Ion Ratio Lower Upper

109 100

139 4.5 85.4 128.2#

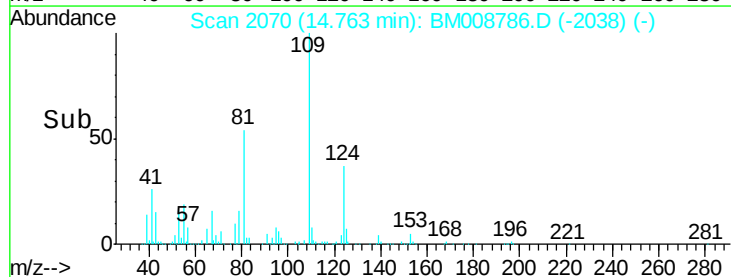
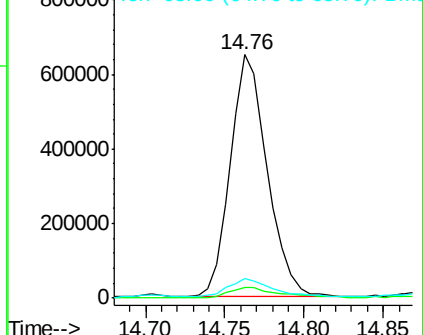
65 8.1 97.7 146.5#

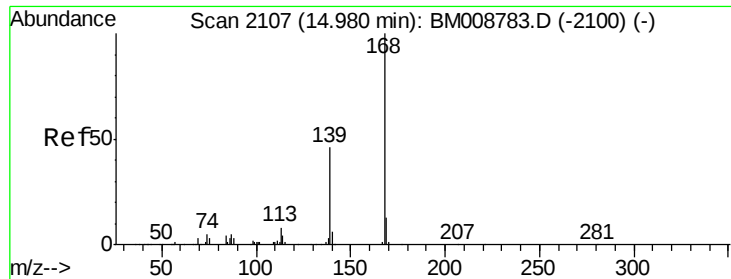


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM





#53

Dibenzofuran

Concen: 34.53 ng/ul

RT: 14.98 min Scan# 2107

Delta R.T. 0.00 min

Lab File: BM008786.D

Acq: 22 Jan 2017 00:24

Instrument :

BNA_M

ClientSampleId :

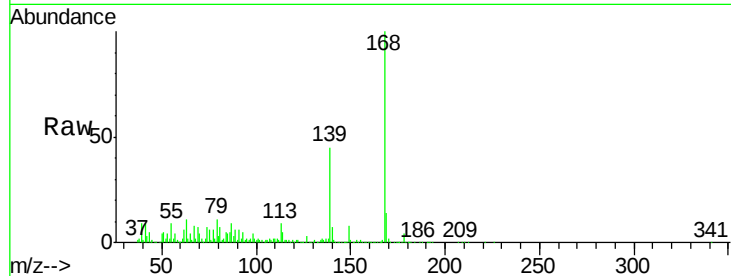
DA9R6

Tgt Ion:168 Resp: 901633

Ion Ratio Lower Upper

168 100

139 44.8 30.3 45.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.98

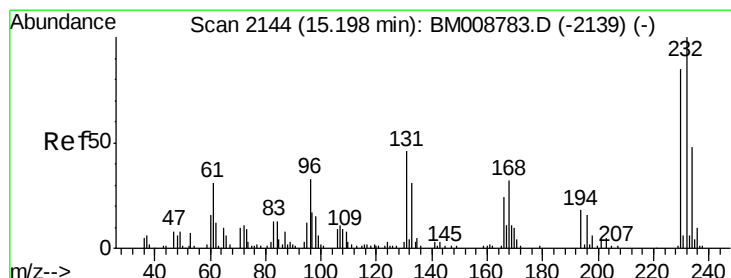
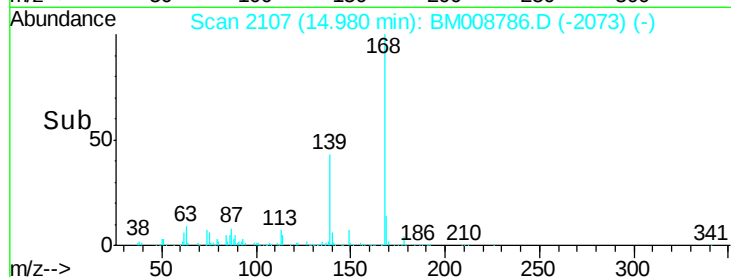
600000

400000

200000

0

Time--> 14.90 14.95 15.00



#55

2,3,4,6-Tetrachlorophenol

Concen: 4.37 ng/ul

RT: 15.21 min Scan# 2146

Delta R.T. 0.01 min

Lab File: BM008786.D

Acq: 22 Jan 2017 00:24

Tgt Ion:232 Resp: 26200

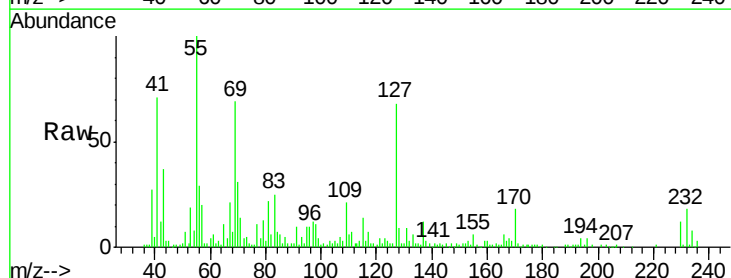
Ion Ratio Lower Upper

232 100

131 48.7 31.8 47.8#

130 9.6 1.8 2.6#

166 32.3 21.6 32.4



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

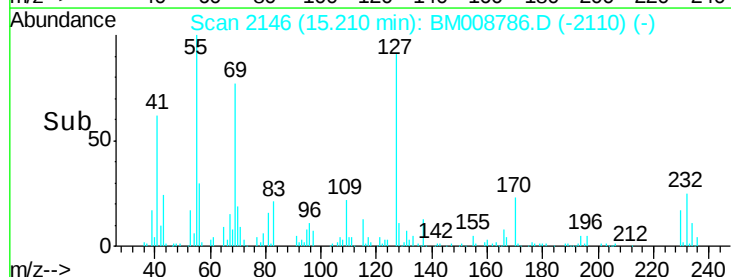
30000

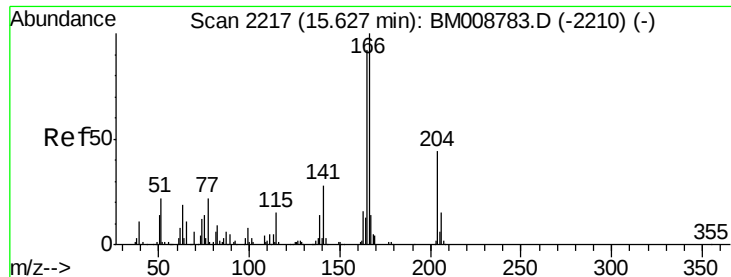
20000

10000

0

Time--> 15.20 15.25





#58

Fluorene

Concen: 31.46 ng/ul

RT: 15.63 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BM008786.D

Acq: 22 Jan 2017 00:24

Instrument :

BNA_M

ClientSampleId :

DA9R6

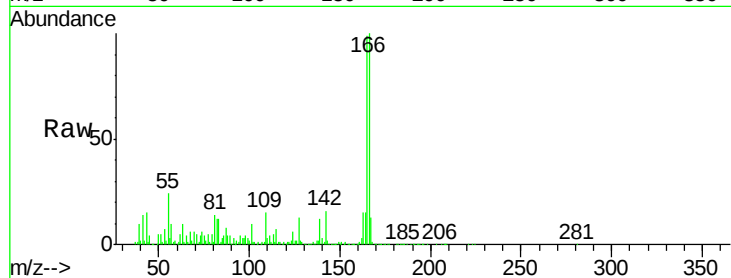
Tgt Ion:166 Resp: 673334

Ion Ratio Lower Upper

166 100

165 98.8 80.2 120.2

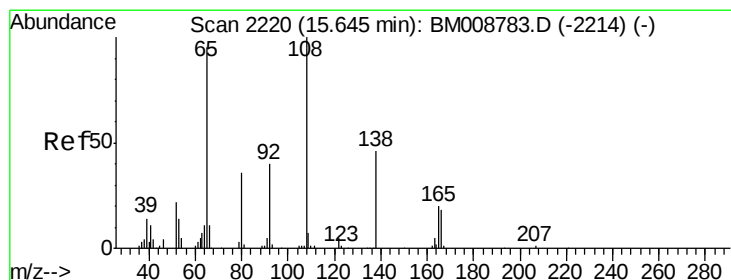
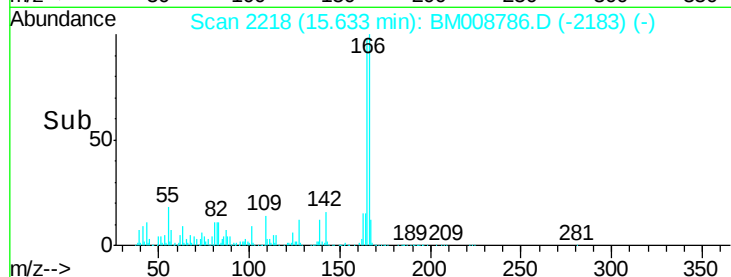
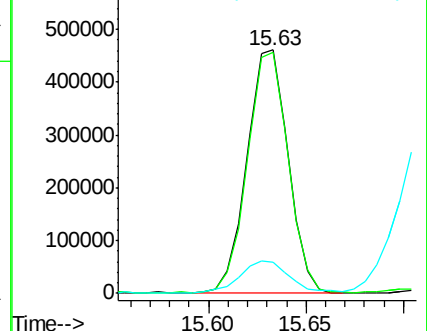
167 12.6 10.9 16.3



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: 2.74 ng/ul

RT: 15.63 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BM008786.D

Acq: 22 Jan 2017 00:24

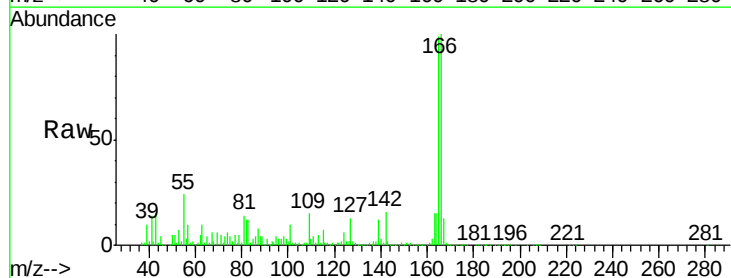
Tgt Ion:138 Resp: 11363

Ion Ratio Lower Upper

138 100

92 29.1 44.9 67.3#

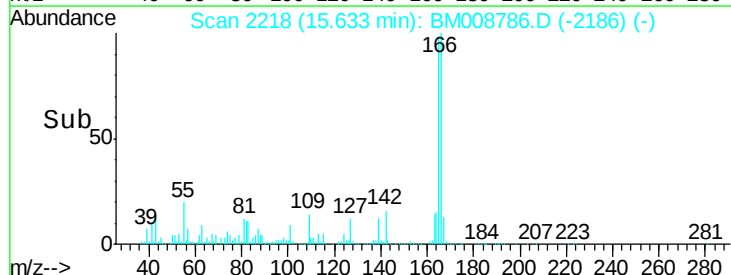
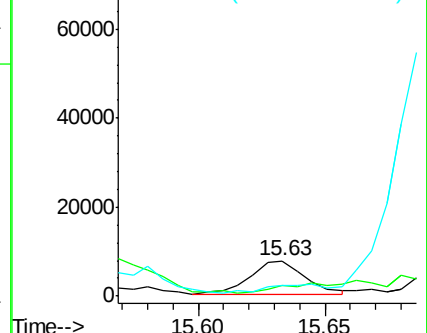
108 30.8 73.8 110.6#

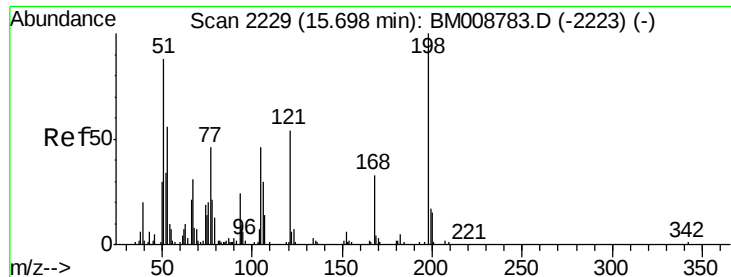


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM

Ion 108.00 (107.70 to 108.70): E

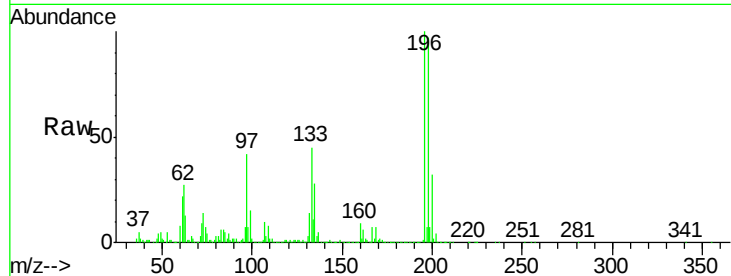




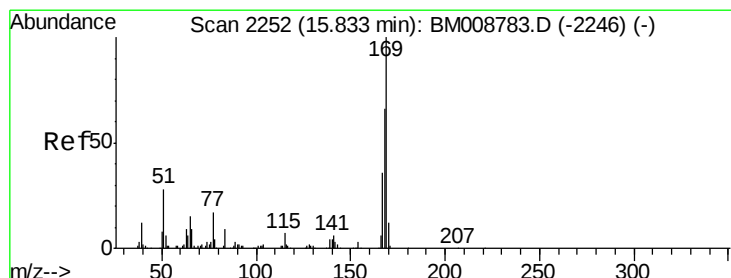
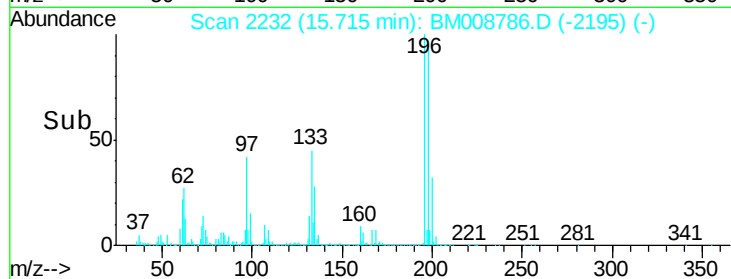
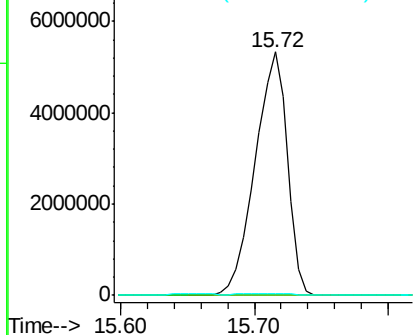
#63
 4,6-Dinitro-2-methylphenol
 Concen: 2209.00 ng/ul
 RT: 15.72 min Scan# 2232
 Delta R.T. 0.02 min
 Lab File: BM008786.D
 Acq: 22 Jan 2017 00:24

Instrument :
 BNA_M
 ClientSampleId :
 DA9R6

Tgt Ion:198 Resp: 8850755
 Ion Ratio Lower Upper
 198 100
 182 0.1 4.4 6.6#
 77 0.8 20.5 30.7#

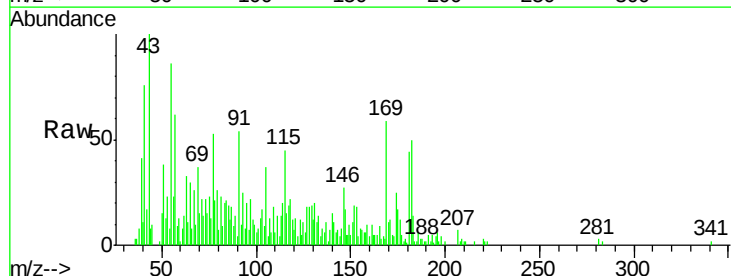


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): BM

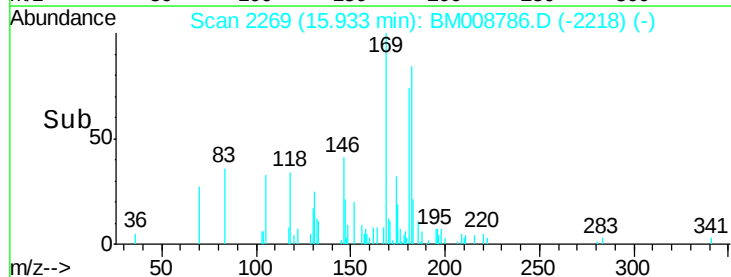
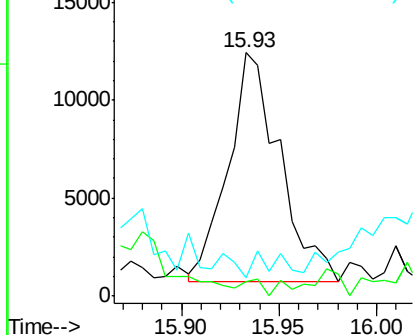


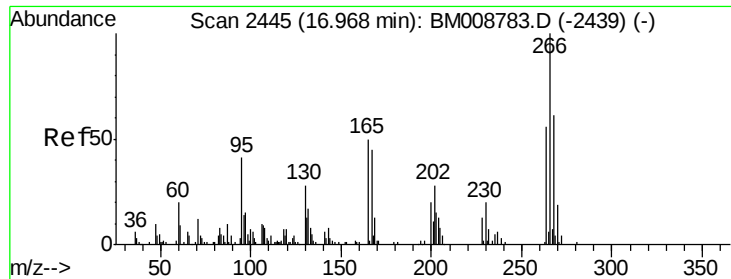
#64
 N-Nitrosodiphenylamine
 Concen: 1.17 ng/ul
 RT: 15.93 min Scan# 2269
 Delta R.T. 0.10 min
 Lab File: BM008786.D
 Acq: 22 Jan 2017 00:24

Tgt Ion:169 Resp: 21516
 Ion Ratio Lower Upper
 169 100
 168 5.8 53.1 79.7#
 167 7.4 28.6 43.0#



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

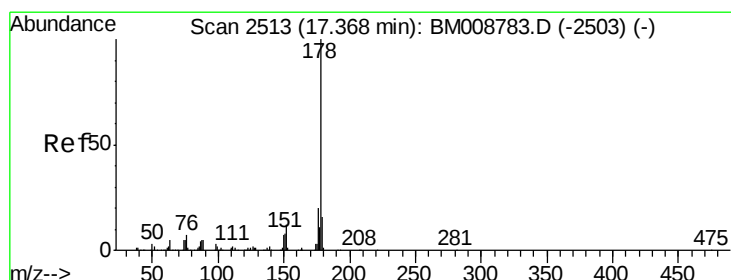
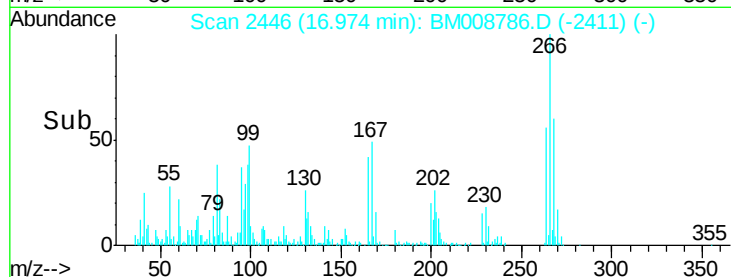
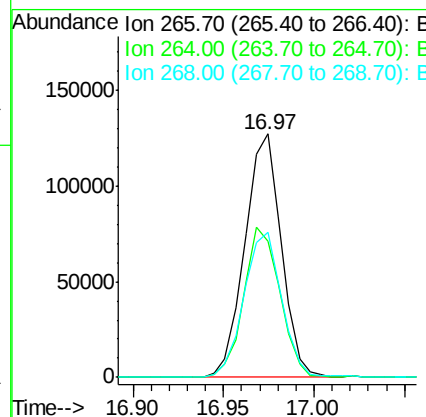
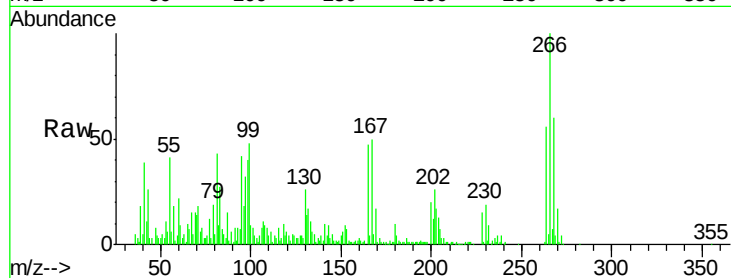




#68
 Pentachlorophenol
 Concen: 33.25 ng/ul
 RT: 16.97 min Scan# 2446
 Delta R.T. 0.01 min
 Lab File: BM008786.D
 Acq: 22 Jan 2017 00:24

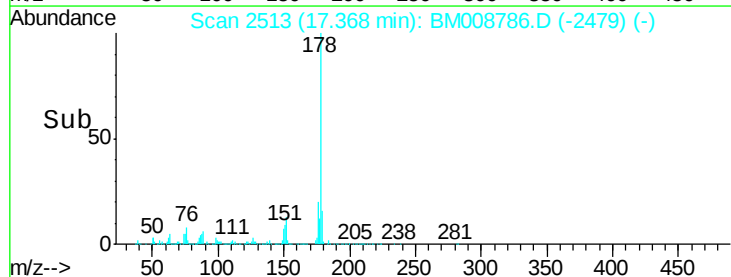
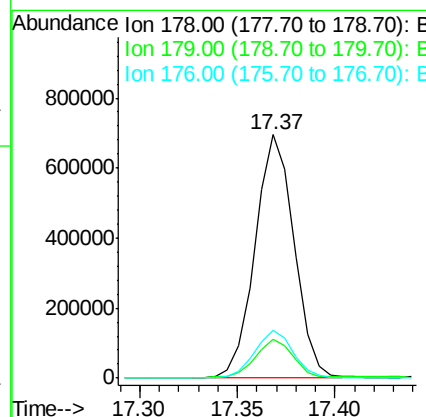
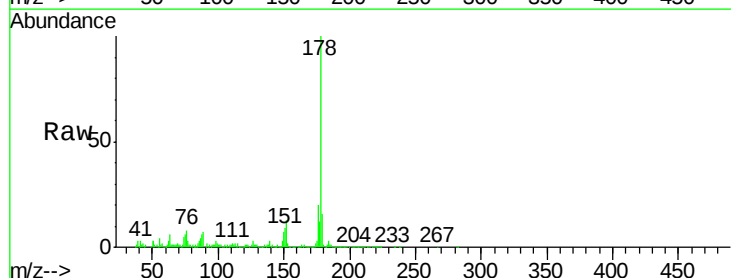
Instrument :
 BNA_M
 ClientSampleId :
 DA9R6

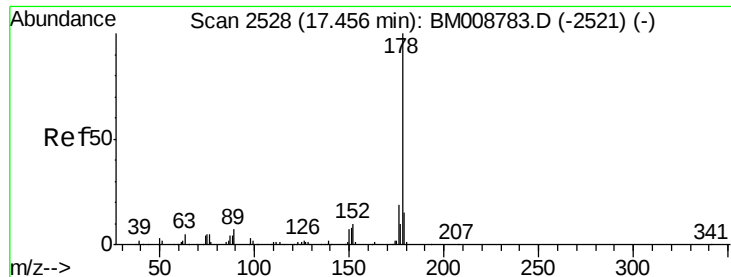
Tgt Ion:266 Resp: 178266
 Ion Ratio Lower Upper
 266 100
 264 55.7 50.6 75.8
 268 59.6 49.1 73.7



#69
 Phenanthrene
 Concen: 26.88 ng/ul
 RT: 17.37 min Scan# 2513
 Delta R.T. 0.00 min
 Lab File: BM008786.D
 Acq: 22 Jan 2017 00:24

Tgt Ion:178 Resp: 950997
 Ion Ratio Lower Upper
 178 100
 179 16.1 12.2 18.2
 176 19.8 14.7 22.1

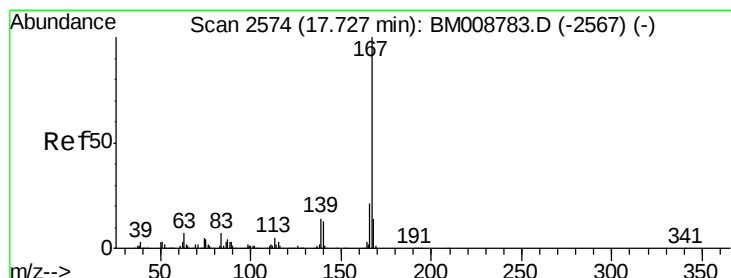
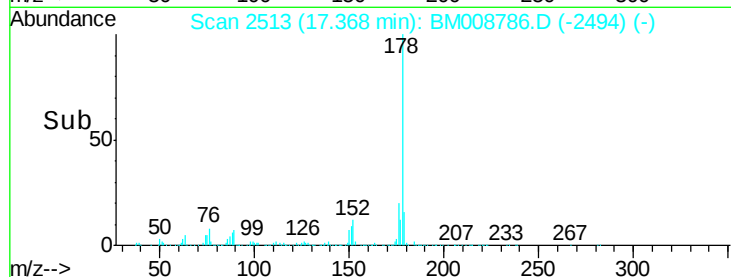
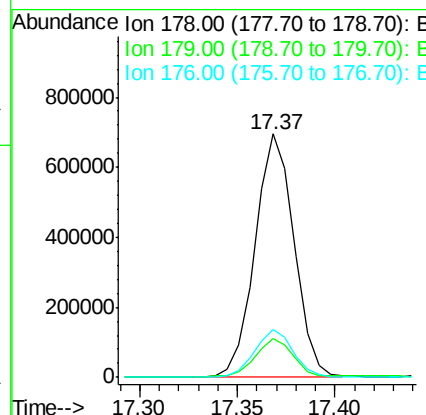
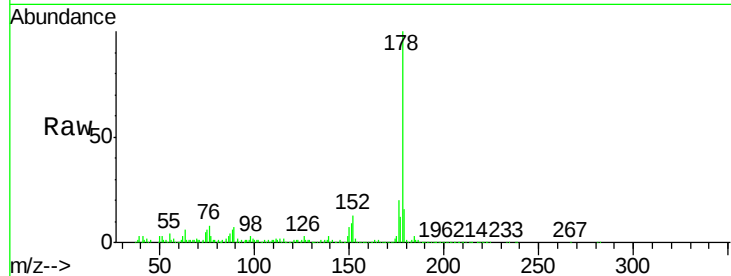




#71
 Anthracene
 Concen: 26.15 ng/ul
 RT: 17.37 min Scan# 2513
 Delta R.T. -0.09 min
 Lab File: BM008786.D
 Acq: 22 Jan 2017 00:24

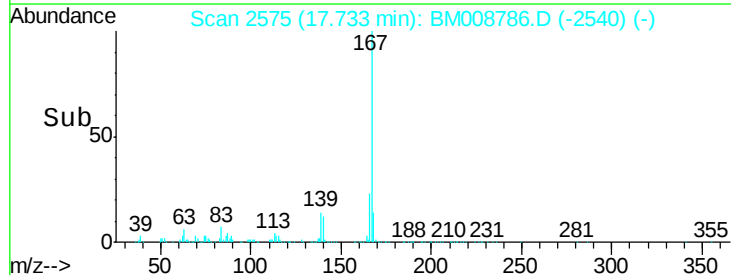
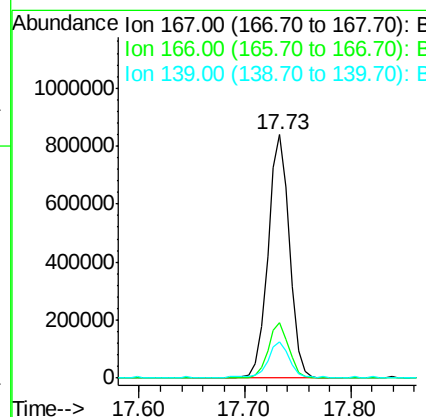
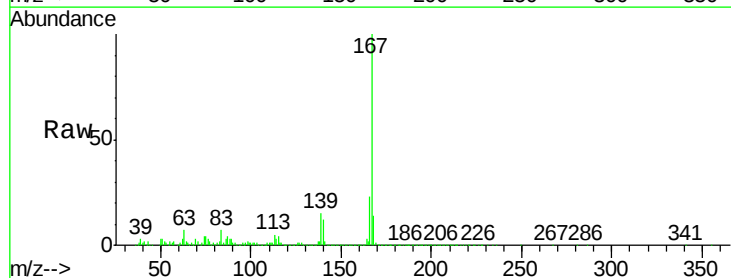
Instrument :
 BNA_M
 ClientSampleId :
 DA9R6

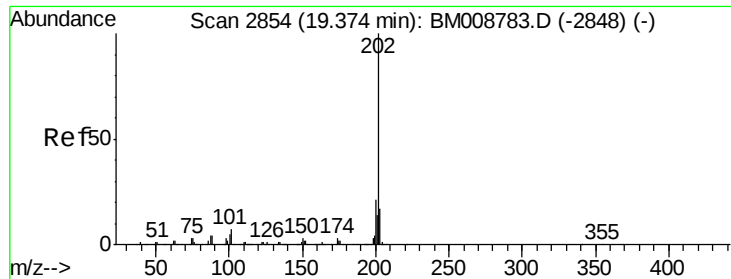
Tgt Ion:178 Resp: 950997
 Ion Ratio Lower Upper
 178 100
 179 16.1 11.8 17.8
 176 19.8 14.6 21.8



#72
 Carbazole
 Concen: 36.27 ng/ul
 RT: 17.73 min Scan# 2575
 Delta R.T. 0.01 min
 Lab File: BM008786.D
 Acq: 22 Jan 2017 00:24

Tgt Ion:167 Resp: 1173895
 Ion Ratio Lower Upper
 167 100
 166 22.8 16.8 25.2
 139 15.1 10.4 15.6





#74

Fluoranthene

Concen: 1.25 ng/ul

RT: 19.37 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BM008786.D

Acq: 22 Jan 2017 00:24

Instrument :

BNA_M

ClientSampleId :

DA9R6

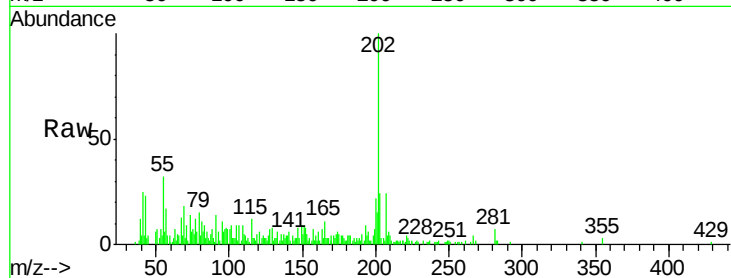
Tgt Ion: 202 Resp: 56873

Ion Ratio Lower Upper

202 100

101 8.8 7.1 10.7

100 7.3 5.4 8.0



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

