

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032315\
 Data File : BM000755.D
 Acq On : 23 Mar 2015 16:15
 Operator : TP/IZ
 Sample : G1581-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1M17

Quant Time: Mar 24 04:52:22 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM032115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 24 05:41:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	142692	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	598395	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.27	164	334782	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	738298	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	795120	20.00	ng/ul	0.00
83) Perylene-d12	23.41	264	770624	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	15076	4.85	ng/uL	0.00
5) Phenol-d5	6.79	99	353079	32.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	212478	31.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	278977	31.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.33	113	275474	31.85	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	128273	33.40	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	135159	32.75	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	290982	35.52	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	291994	29.56	ng/ul	0.00
43) Dimethylphthalate-d6	13.69	166	834572	38.66	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	1085078	34.53	ng/ul	0.00
51) 4-Nitrophenol-d4	14.48	143	132329	30.54	ng/ul	0.00
57) Fluorene-d10	15.27	176	796437	36.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	106258	26.59	ng/ul	0.00
70) Anthracene-d10	17.12	188	1255309	37.58	ng/ul	0.00
76) Pyrene-d10	19.42	212	1416424	39.49	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.27	264	1309615	39.18	ng/ul	0.00

Target Compounds

						Qvalue
4) Benzaldehyde	6.76	77	524538	98.86	ng/ul	99
10) 2-Chlorophenol	7.18	128	577608	60.38	ng/ul	99
14) Acetophenone	8.44	105	700749	49.87	ng/ul	99
16) 4-Methylphenol	8.39	108	395631	40.52	ng/ul	90
17) Hexachloroethane	8.69	117	173501	46.65	ng/ul	95
27) 2,4-Dichlorophenol	10.05	162	619883	73.07	ng/ul	99
28) Naphthalene	10.45	128	1768955	55.33	ng/ul	99
32) Caprolactam	11.31	113	8721	3.59	ng/ul	98
34) 2-Methylnaphthalene	12.07	142	1306309	59.93	ng/ul	99
41) 2-Chloronaphthalene	13.14	162	1380715	63.28	ng/ul	100
44) Dimethylphthalate	13.73	163	86772	3.47	ng/ul	97
49) Acenaphthene	14.34	153	810736	34.83	ng/ul	98
58) Fluorene	15.33	166	1017838	38.04	ng/ul	99
60) 4-Nitroaniline	15.33	138	10750	1.97	ng/ul#	19
63) 4,6-Dinitro-2-methylphenol	15.42	198	362048	81.01	ng/ul#	97
67) Atrazine	16.50	200	477908	66.44	ng/ul	98
69) Phenanthrene	17.06	178	1921715	45.10	ng/ul	100
71) Anthracene	17.06	178	1925358	44.61	ng/ul	99
72) Carbazole	17.43	167	2876474	75.15	ng/ul	98
77) Pyrene	19.46	202	2915319	57.60	ng/ul	98
78) Butylbenzylphthalate	20.36	149	1189247	72.02	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.14	149	1640187	65.50	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.62	276	3115284	62.49	ng/ul	98

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Mar 24 05:41:01 2015
Response via : Initial Calibration

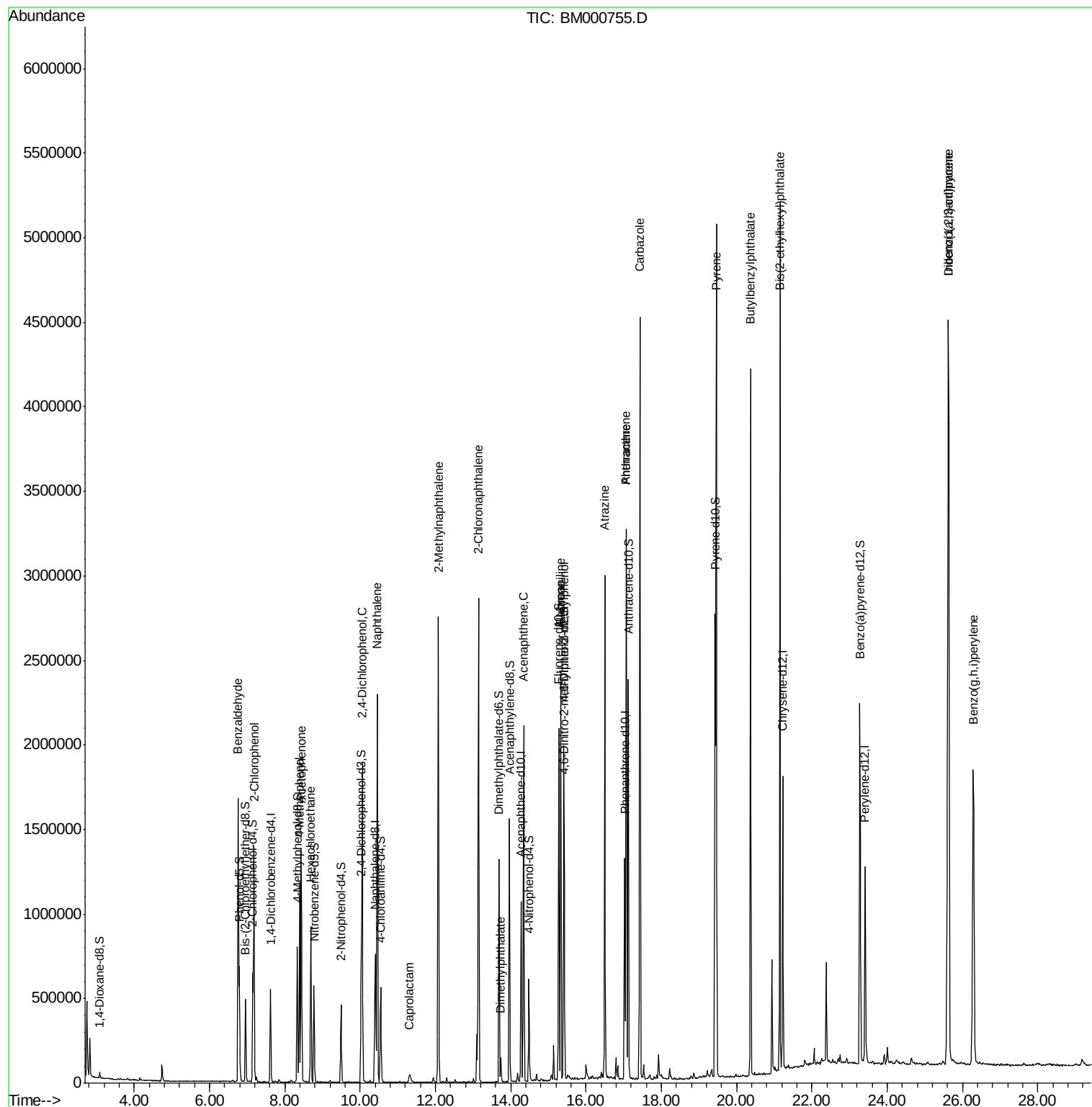
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	25.63	278	2050188	49.06	ng/ul	98
91) Benzo(g,h,i)perylene	26.29	276	1988067	46.75	ng/ul	98

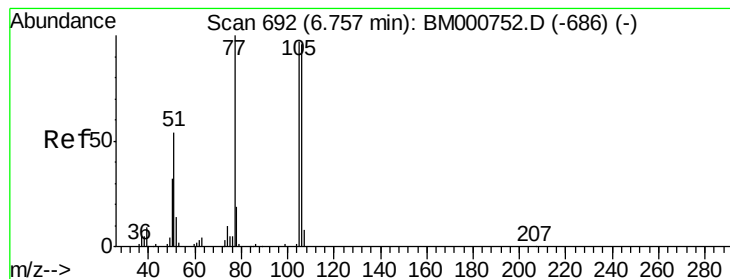
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 98.86 ng/ul

RT: 6.76 min Scan# 692

Delta R.T. -0.00 min

Lab File: BM000755.D

Acq: 23 Mar 2015 16:15

Instrument :

BNA_M

ClientSampleId :

X1M17

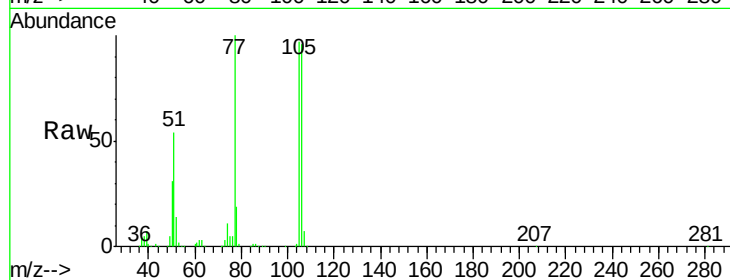
Tgt Ion: 77 Resp: 524538

Ion Ratio Lower Upper

77 100

105 97.3 78.0 117.0

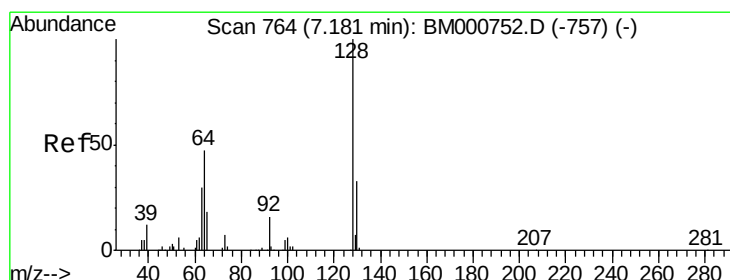
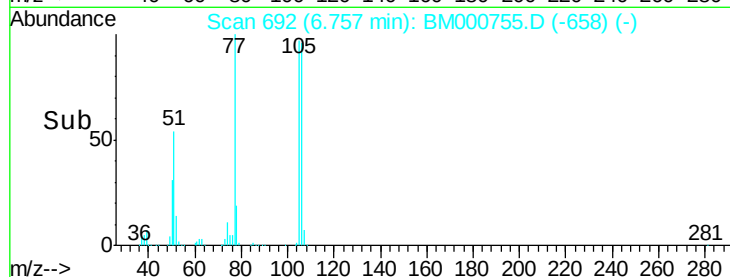
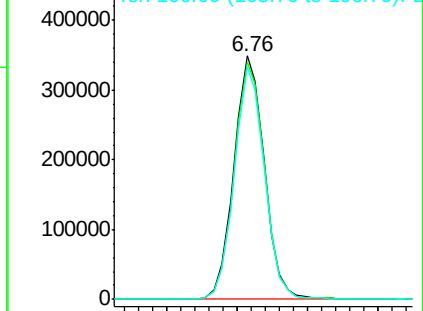
106 95.5 77.8 116.6



Abundance Ion 77.00 (76.70 to 77.70): BM000755.D (-658) (-)

Ion 105.00 (104.70 to 105.70): BM000755.D (-658) (-)

Ion 106.00 (105.70 to 106.70): BM000755.D (-658) (-)



#10

2-Chlorophenol

Concen: 60.38 ng/ul

RT: 7.18 min Scan# 764

Delta R.T. -0.00 min

Lab File: BM000755.D

Acq: 23 Mar 2015 16:15

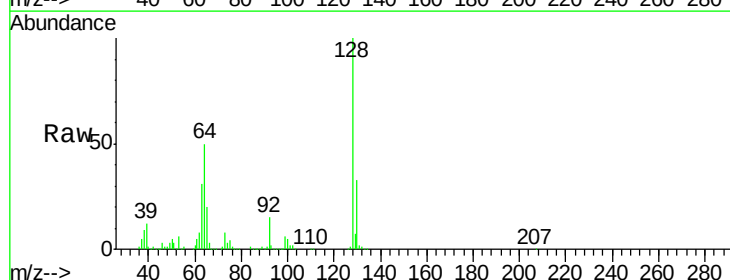
Tgt Ion: 128 Resp: 577608

Ion Ratio Lower Upper

128 100

64 49.8 39.7 59.5

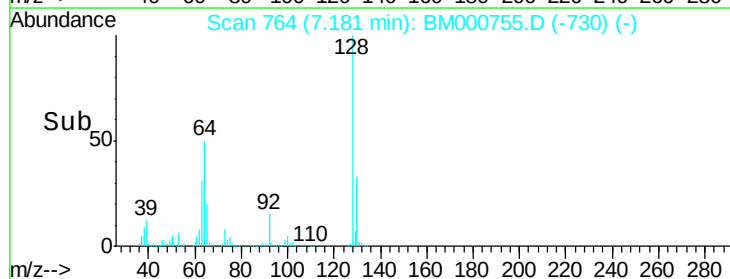
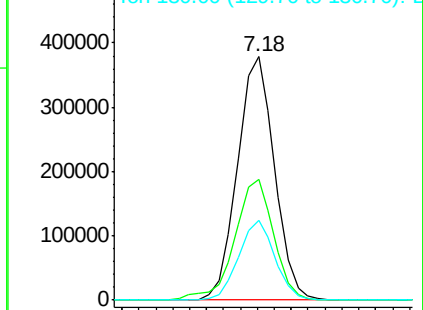
130 32.8 25.6 38.4

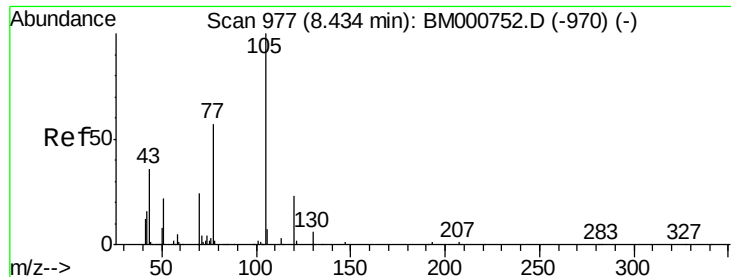


Abundance Ion 128.00 (127.70 to 128.70): BM000755.D (-730) (-)

Ion 64.00 (63.70 to 64.70): BM000755.D (-730) (-)

Ion 130.00 (129.70 to 130.70): BM000755.D (-730) (-)

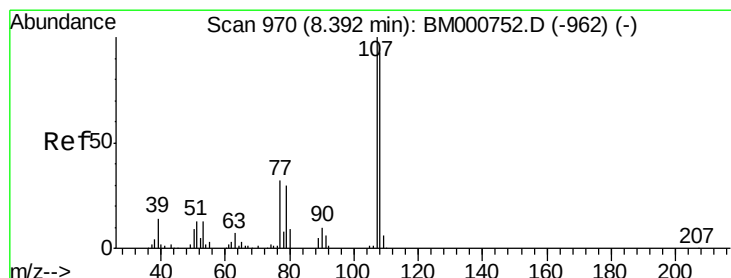
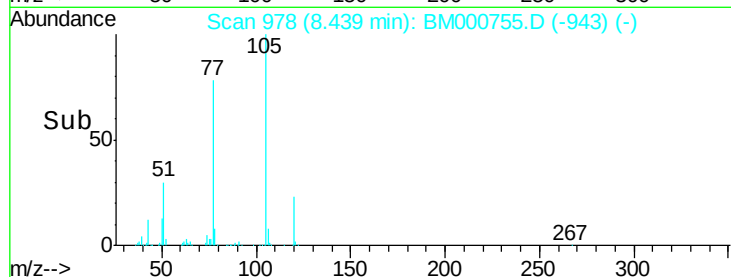
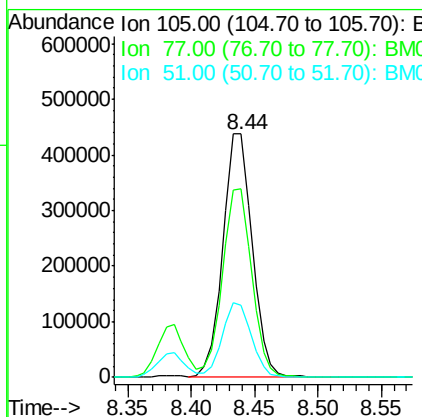
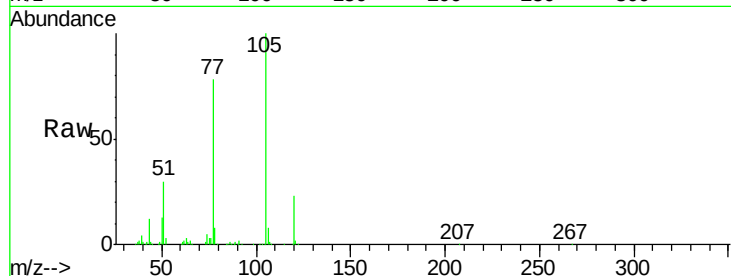




#14
 Acetophenone
 Concen: 49.87 ng/ul
 RT: 8.44 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: BM000755.D
 Acq: 23 Mar 2015 16:15

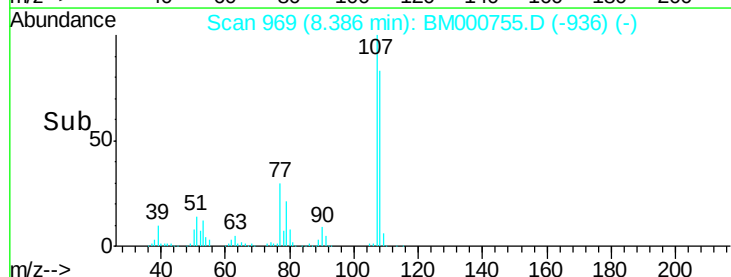
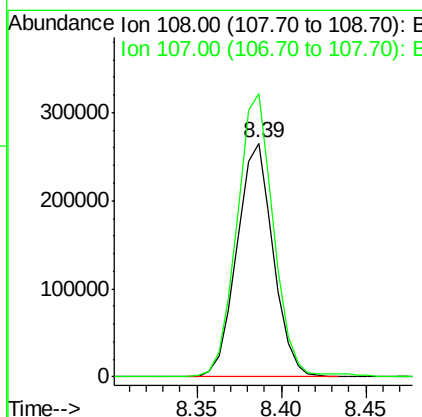
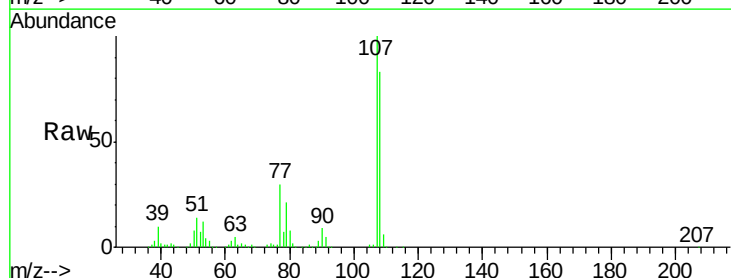
Instrument :
 BNA_M
 ClientSampleId :
 X1M17

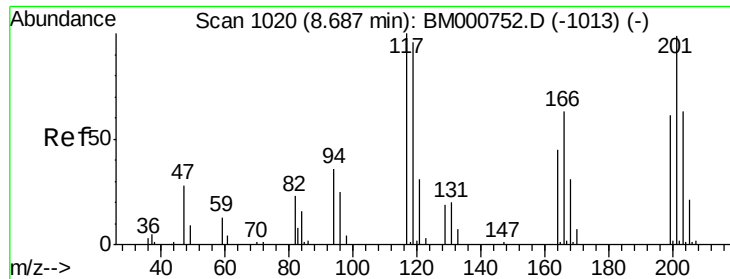
Tgt Ion	Ratio	Lower	Upper
105	100		
77	77.6	63.2	94.8
51	29.7	23.7	35.5



#16
 4-Methylphenol
 Concen: 40.52 ng/ul
 RT: 8.39 min Scan# 969
 Delta R.T. -0.01 min
 Lab File: BM000755.D
 Acq: 23 Mar 2015 16:15

Tgt Ion	Ratio	Lower	Upper
108	100		
107	121.0	88.3	132.5





#17

Hexachloroethane

Concen: 46.65 ng/ul

RT: 8.69 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BM000755.D

Acq: 23 Mar 2015 16:15

Instrument :

BNA_M

ClientSampleId :

X1M17

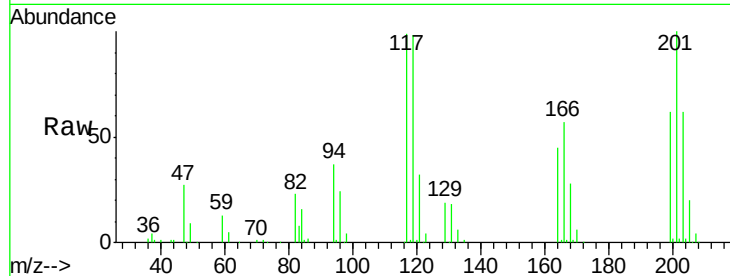
Tgt Ion:117 Resp: 173501

Ion Ratio Lower Upper

117 100

201 101.0 76.2 114.2

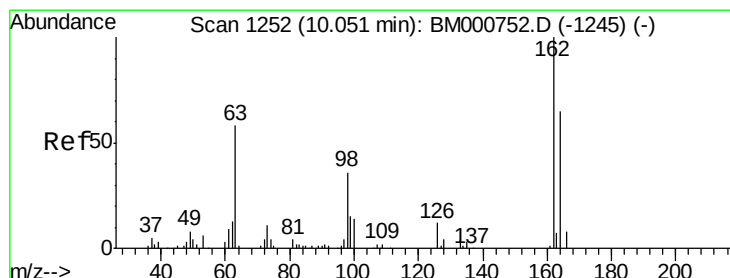
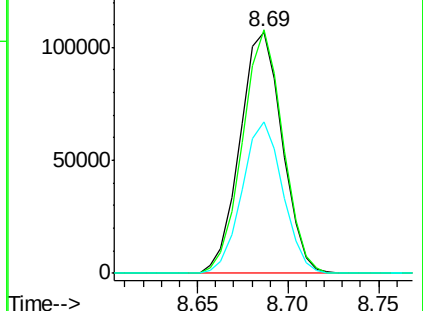
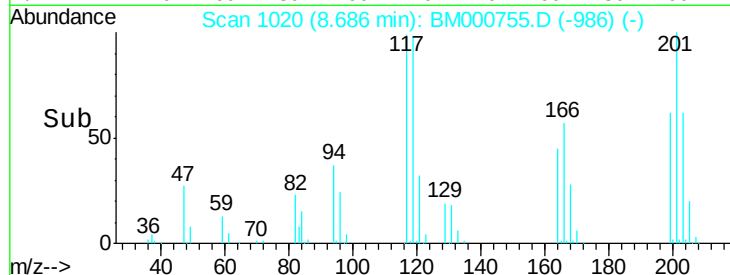
199 62.7 48.5 72.7



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



#27

2,4-Dichlorophenol

Concen: 73.07 ng/ul

RT: 10.05 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BM000755.D

Acq: 23 Mar 2015 16:15

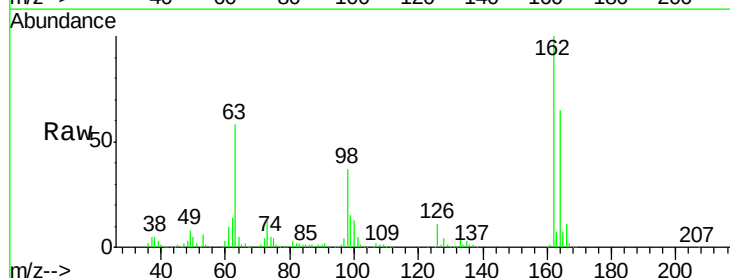
Tgt Ion:162 Resp: 619883

Ion Ratio Lower Upper

162 100

164 64.8 52.1 78.1

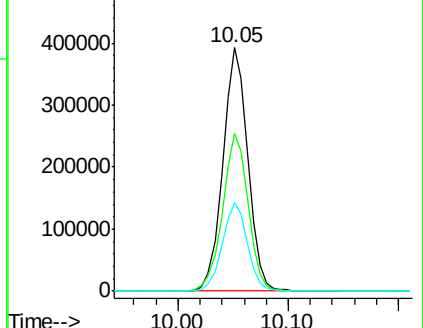
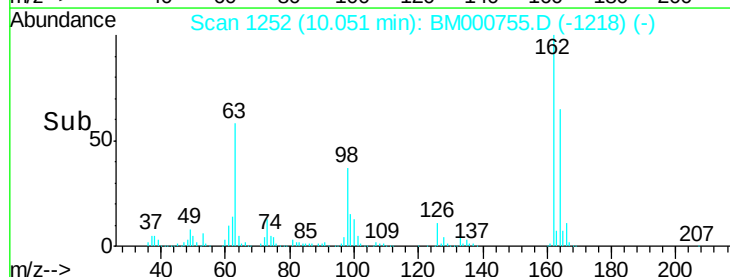
98 36.5 29.9 44.9

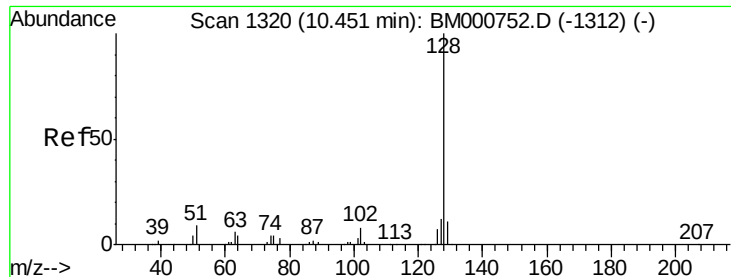


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM

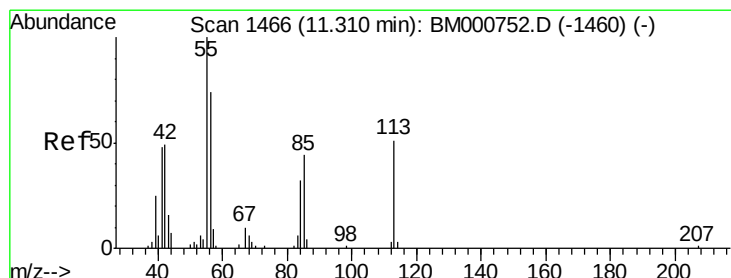
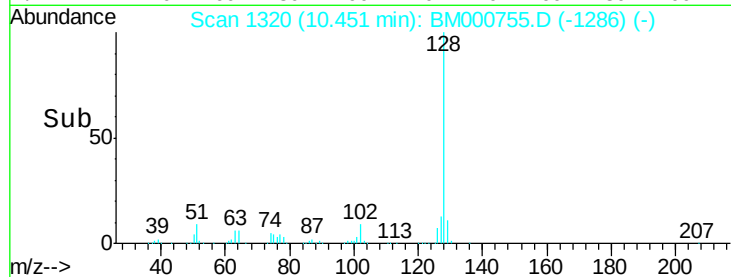
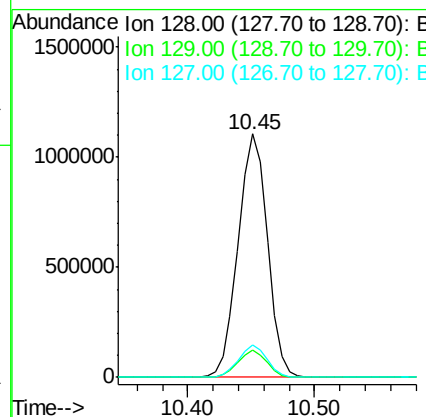
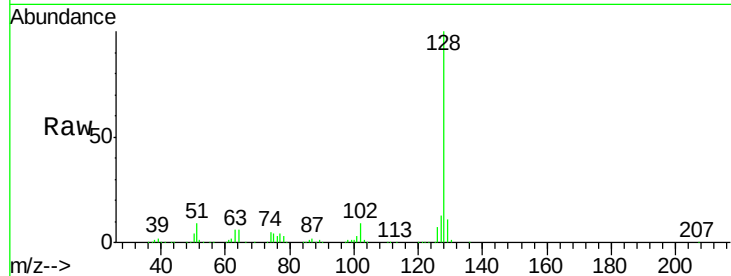




#28
Naphthalene
Concen: 55.33 ng/ul
RT: 10.45 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BM000755.D
Acq: 23 Mar 2015 16:15

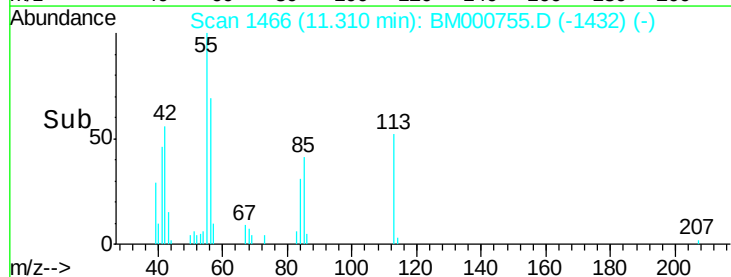
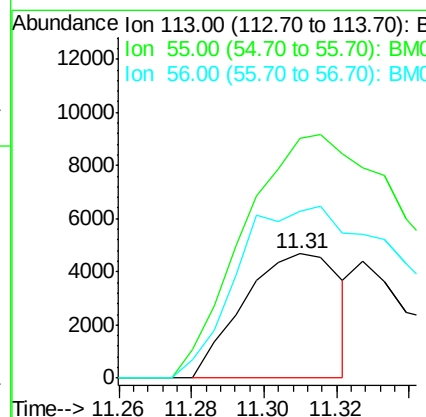
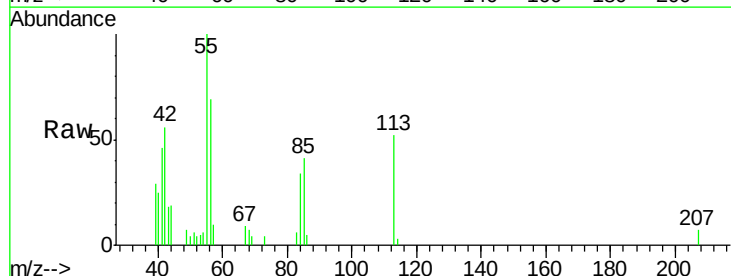
Instrument :
BNA_M
ClientSampled :
X1M17

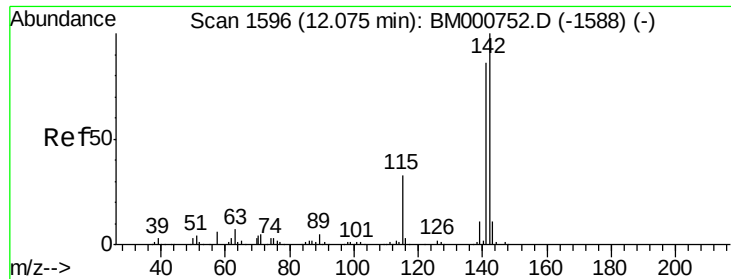
Tgt Ion:128 Resp: 1768955
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.1 10.2 15.2



#32
Caprolactam
Concen: 3.59 ng/ul
RT: 11.31 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BM000755.D
Acq: 23 Mar 2015 16:15

Tgt Ion:113 Resp: 8721
Ion Ratio Lower Upper
113 100
55 193.6 150.7 226.1
56 134.0 106.7 160.1

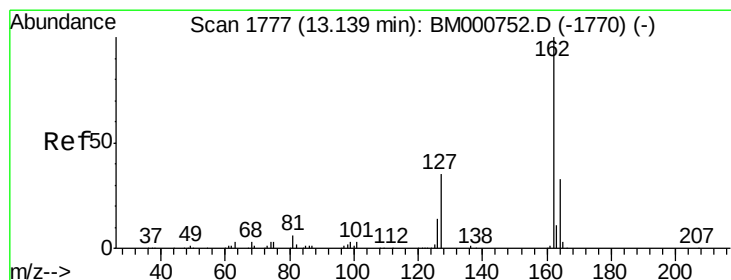
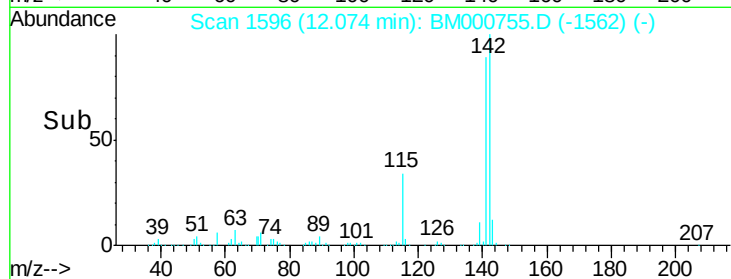
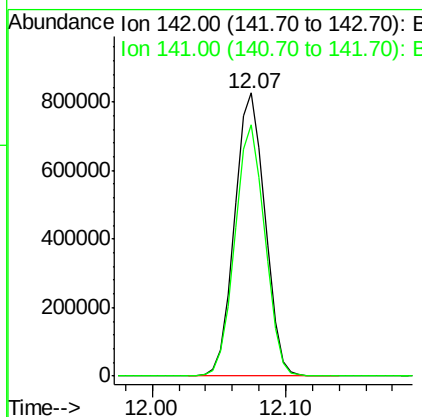
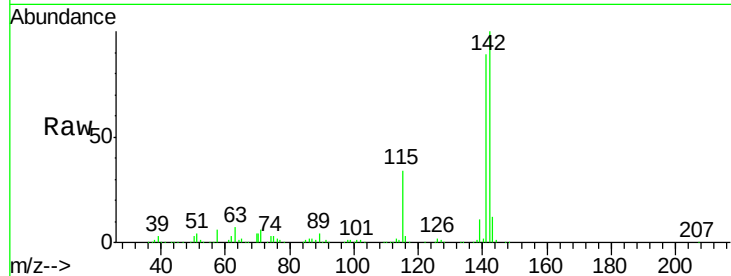




#34
 2-Methylnaphthalene
 Concen: 59.93 ng/ul
 RT: 12.07 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: BM000755.D
 Acq: 23 Mar 2015 16:15

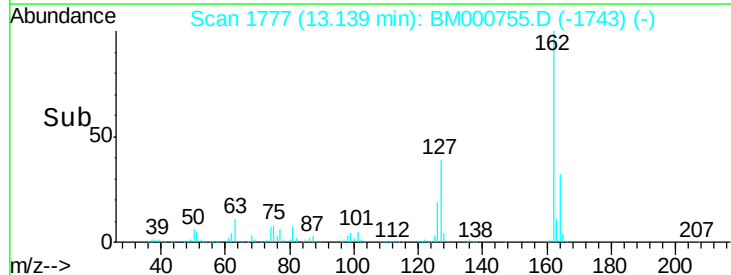
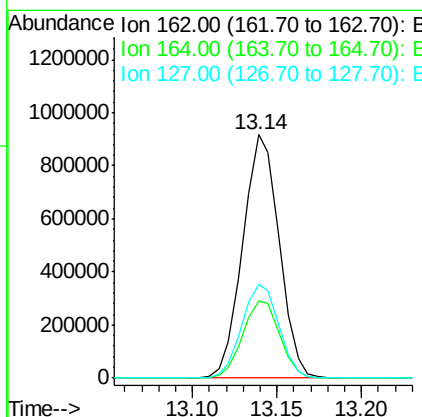
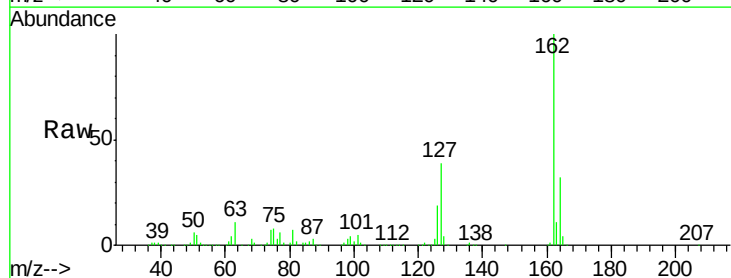
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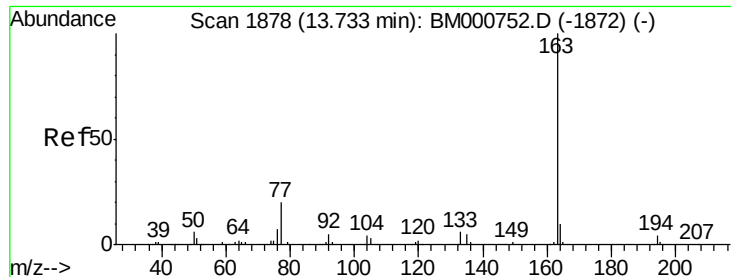
Tgt Ion:142 Resp: 1306309
 Ion Ratio Lower Upper
 142 100
 141 88.9 70.7 106.1



#41
 2-Chloronaphthalene
 Concen: 63.28 ng/ul
 RT: 13.14 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: BM000755.D
 Acq: 23 Mar 2015 16:15

Tgt Ion:162 Resp: 1380715
 Ion Ratio Lower Upper
 162 100
 164 32.0 25.8 38.8
 127 38.8 30.9 46.3

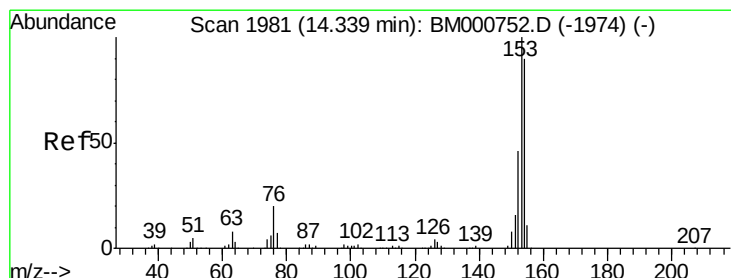
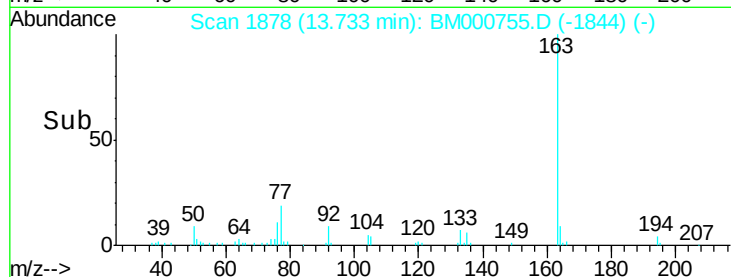
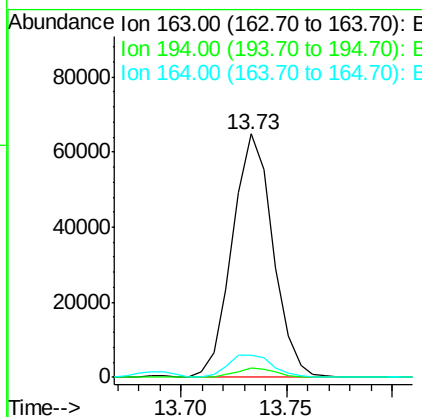
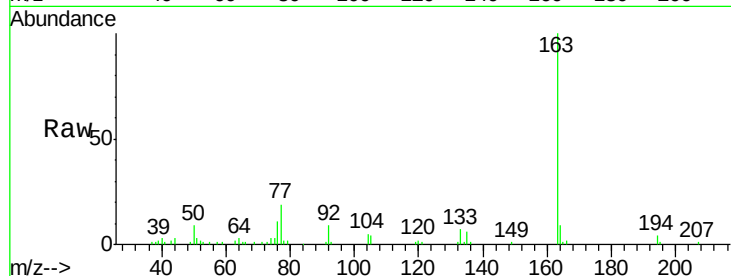




#44
Dimethylphthalate
Concen: 3.47 ng/ul
RT: 13.73 min Scan# 1878
Delta R.T. -0.00 min
Lab File: BM000755.D
Acq: 23 Mar 2015 16:15

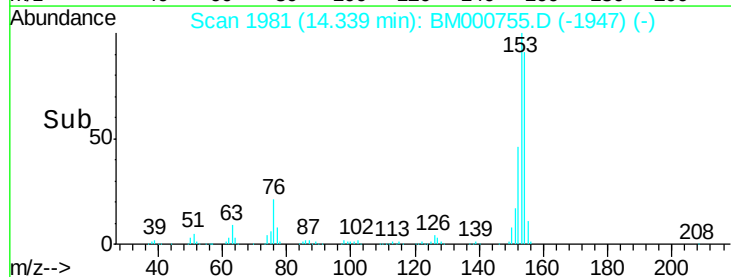
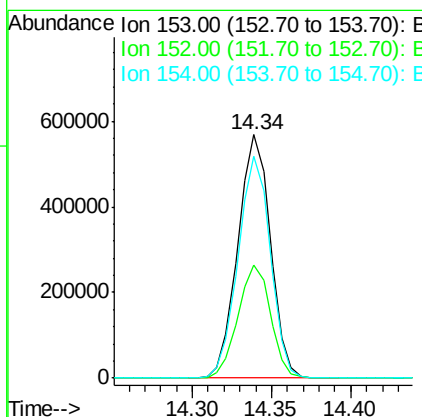
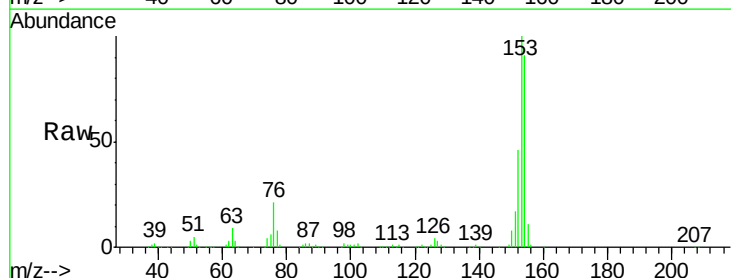
Instrument :
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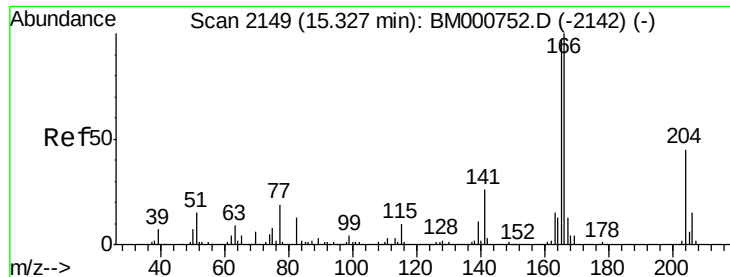
Tgt Ion:163 Resp: 86772
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 9.0 8.2 12.2



#49
Acenaphthene
Concen: 34.83 ng/ul
RT: 14.34 min Scan# 1981
Delta R.T. -0.00 min
Lab File: BM000755.D
Acq: 23 Mar 2015 16:15

Tgt Ion:153 Resp: 810736
Ion Ratio Lower Upper
153 100
152 46.3 37.7 56.5
154 90.9 74.5 111.7





#58

Fluorene

Concen: 38.04 ng/ul

RT: 15.33 min Scan# 2149

Delta R.T. -0.00 min

Lab File: BM000755.D

Acq: 23 Mar 2015 16:15

Instrument :

BNA_M

ClientSampleId :

X1M17

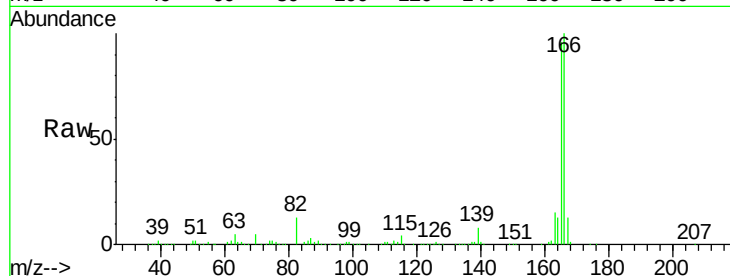
Tgt Ion:166 Resp: 1017838

Ion Ratio Lower Upper

166 100

165 95.6 75.6 113.4

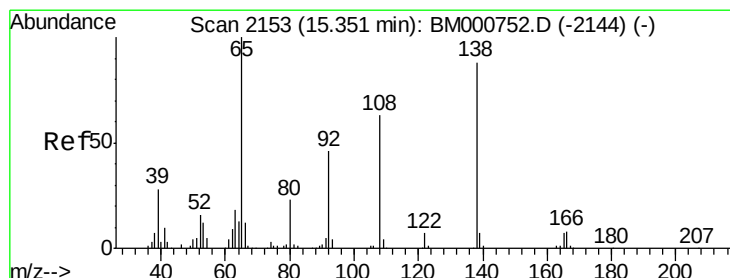
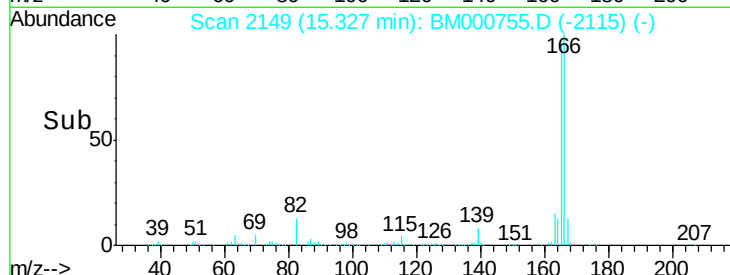
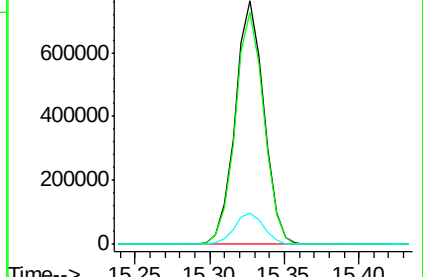
167 13.1 11.0 16.4



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: 1.97 ng/ul

RT: 15.33 min Scan# 2149

Delta R.T. -0.02 min

Lab File: BM000755.D

Acq: 23 Mar 2015 16:15

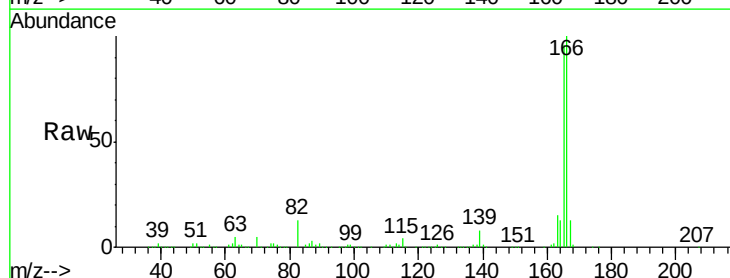
Tgt Ion:138 Resp: 10750

Ion Ratio Lower Upper

138 100

92 0.0 41.7 62.5#

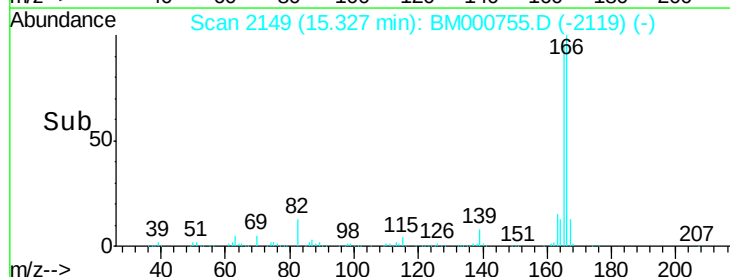
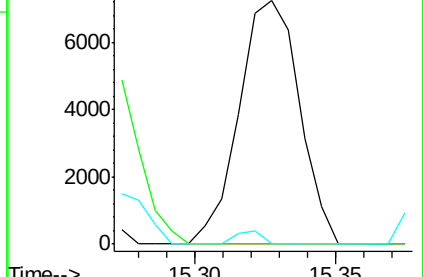
108 0.0 56.4 84.6#

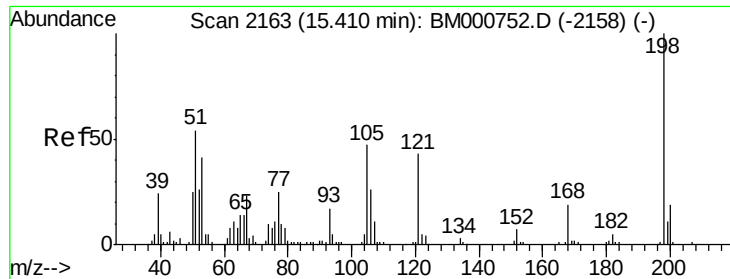


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E

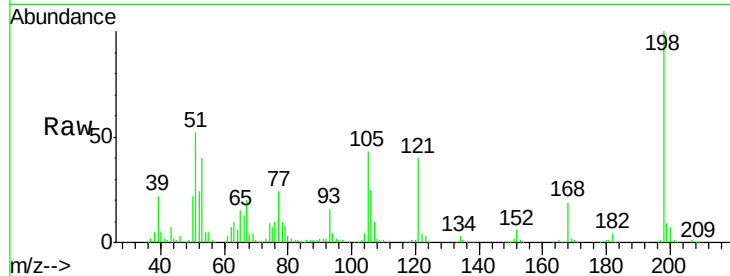




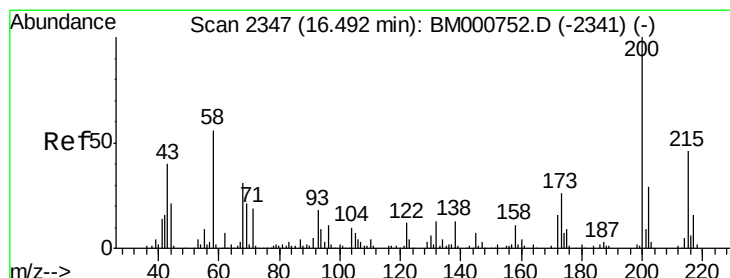
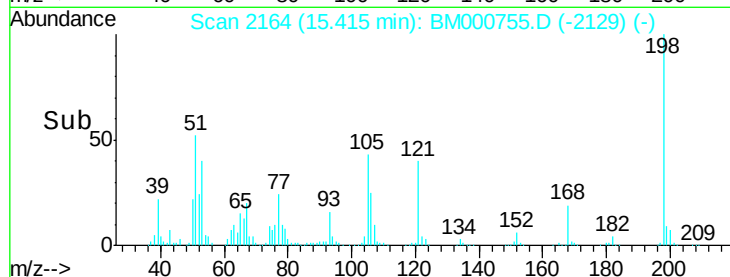
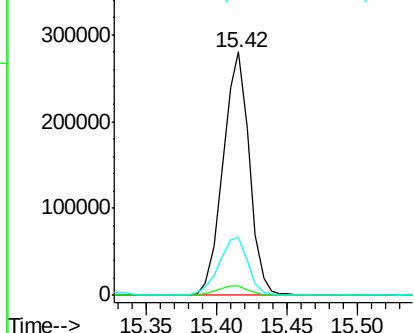
#63
 4,6-Dinitro-2-methylphenol
 Concen: 81.01 ng/ul
 RT: 15.42 min Scan# 2164
 Delta R.T. 0.01 min
 Lab File: BM000755.D
 Acq: 23 Mar 2015 16:15

Instrument :
 BNA_M
 ClientSampleId :
 X1M17

Tgt Ion:198 Resp: 362048
 Ion Ratio Lower Upper
 198 100
 182 3.9 4.2 6.4#
 77 23.7 20.2 30.2

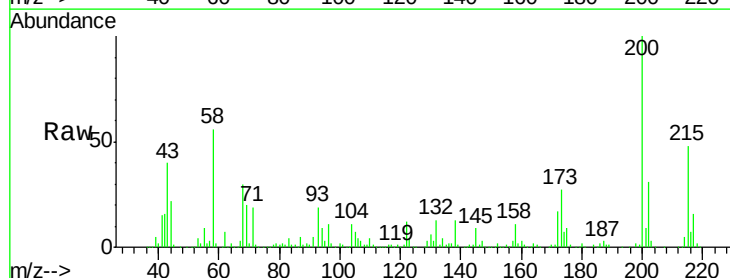


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): B

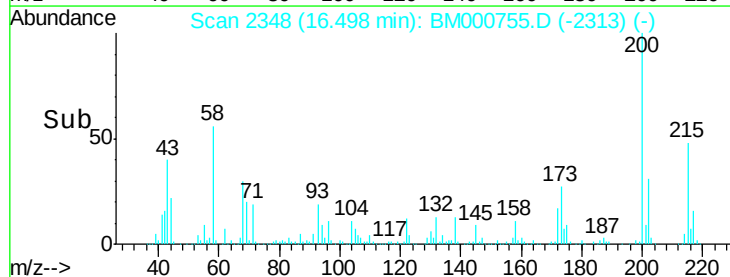
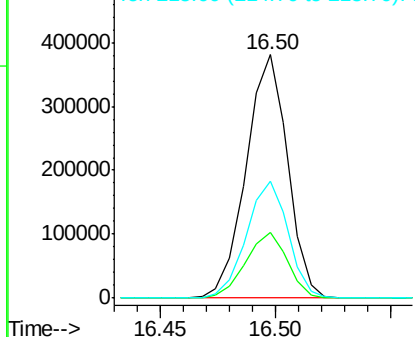


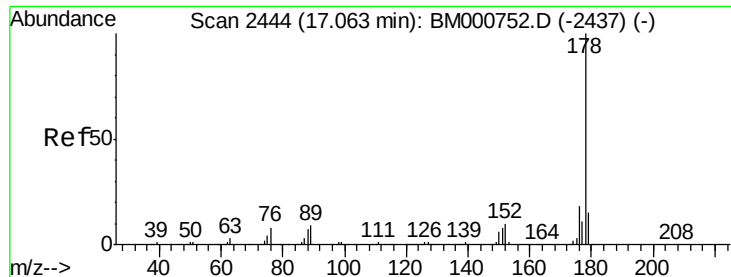
#67
 Atrazine
 Concen: 66.44 ng/ul
 RT: 16.50 min Scan# 2348
 Delta R.T. 0.01 min
 Lab File: BM000755.D
 Acq: 23 Mar 2015 16:15

Tgt Ion:200 Resp: 477908
 Ion Ratio Lower Upper
 200 100
 173 27.1 21.3 31.9
 215 48.1 37.4 56.2



Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E





#69

Phenanthrene

Concen: 45.10 ng/ul

RT: 17.06 min Scan# 2444

Delta R.T. -0.00 min

Lab File: BM000755.D

Acq: 23 Mar 2015 16:15

Instrument :

BNA_M

ClientSampleId :

X1M17

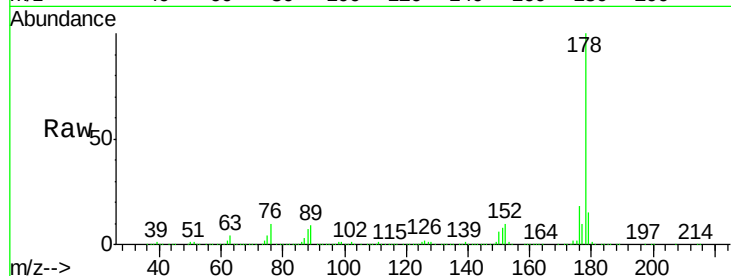
Tgt Ion:178 Resp: 1921715

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

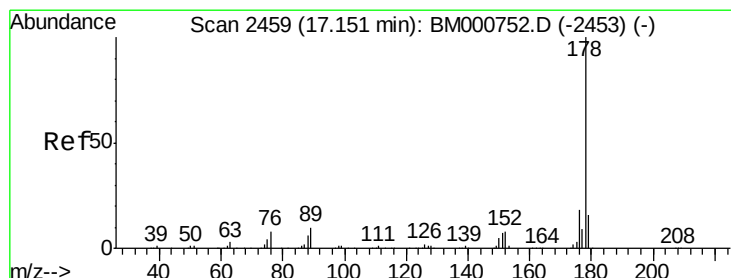
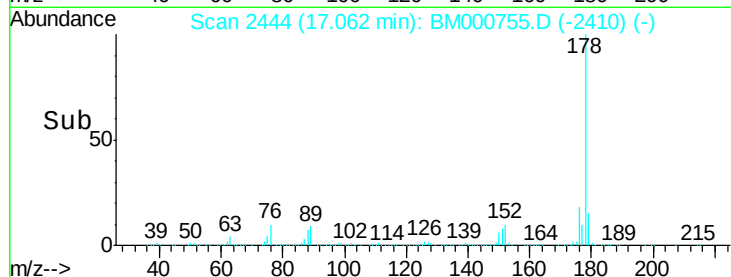
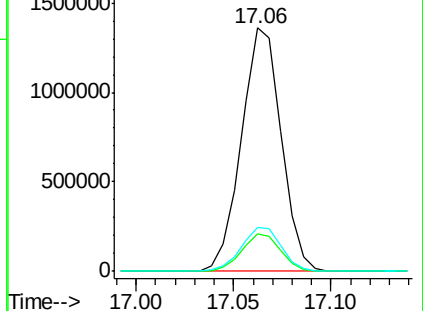
176 18.0 14.6 21.8



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: 44.61 ng/ul

RT: 17.06 min Scan# 2444

Delta R.T. -0.09 min

Lab File: BM000755.D

Acq: 23 Mar 2015 16:15

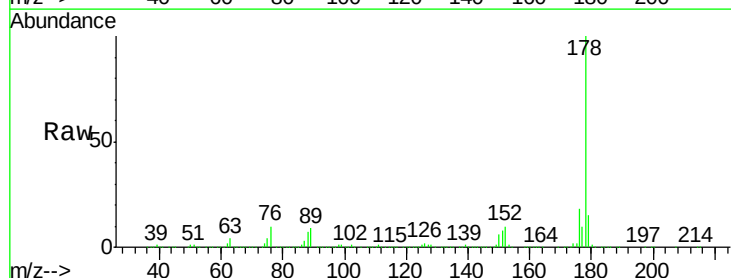
Tgt Ion:178 Resp: 1925358

Ion Ratio Lower Upper

178 100

179 15.2 11.6 17.4

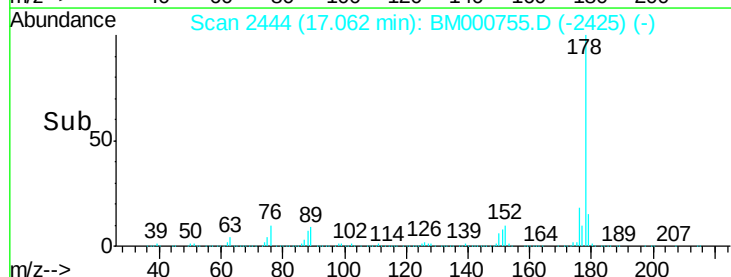
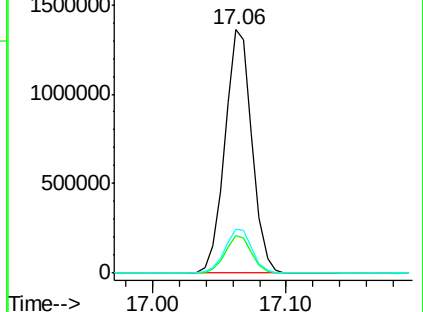
176 18.0 14.4 21.6

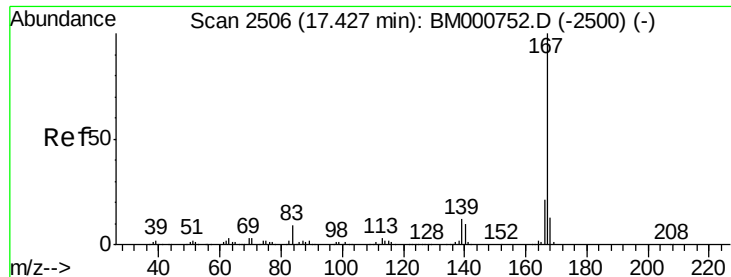


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 75.15 ng/ul

RT: 17.43 min Scan# 2507

Delta R.T. 0.01 min

Lab File: BM000755.D

Acq: 23 Mar 2015 16:15

Instrument :

BNA_M

ClientSampled :

X1M17

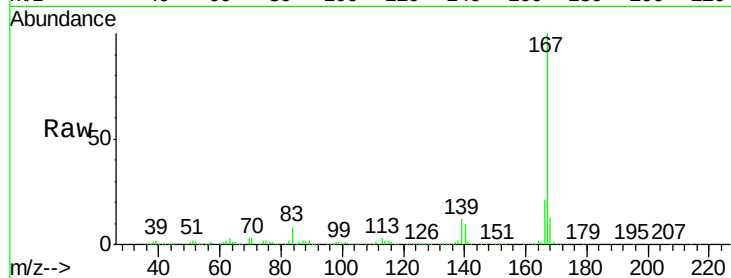
Tgt Ion:167 Resp: 2876474

Ion Ratio Lower Upper

167 100

166 21.0 16.1 24.1

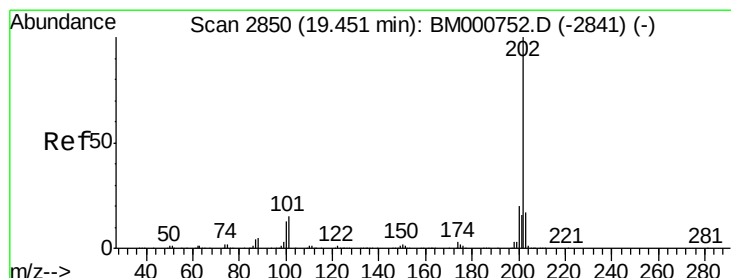
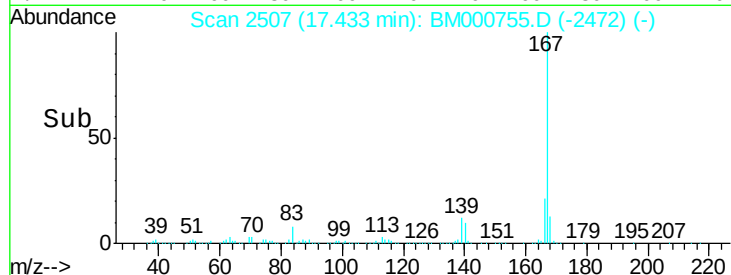
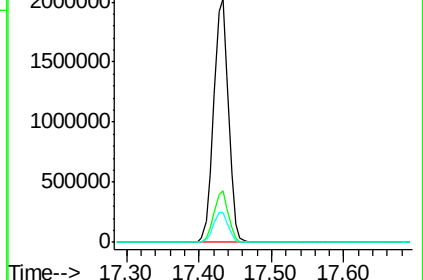
139 12.5 9.4 14.0



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



#77

Pyrene

Concen: 57.60 ng/ul

RT: 19.46 min Scan# 2851

Delta R.T. 0.01 min

Lab File: BM000755.D

Acq: 23 Mar 2015 16:15

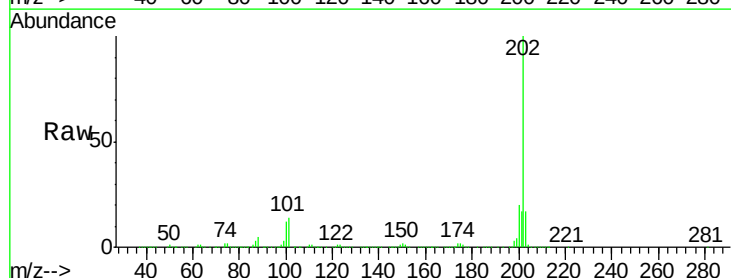
Tgt Ion:202 Resp: 2915319

Ion Ratio Lower Upper

202 100

101 14.3 12.2 18.4

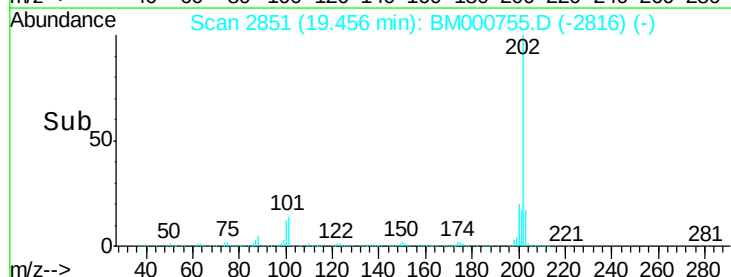
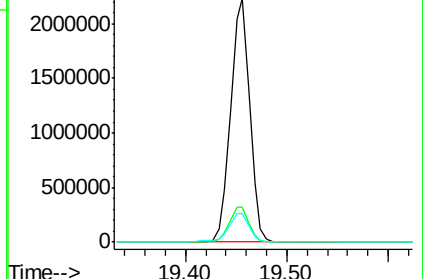
100 11.7 10.0 15.0

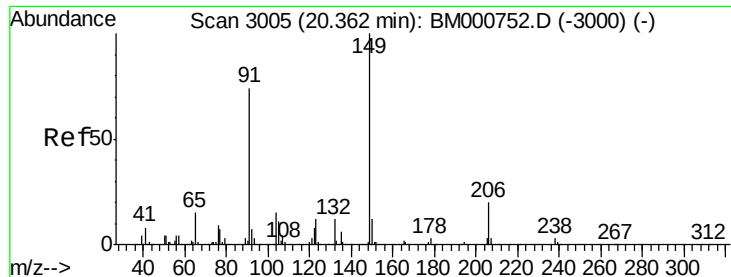


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

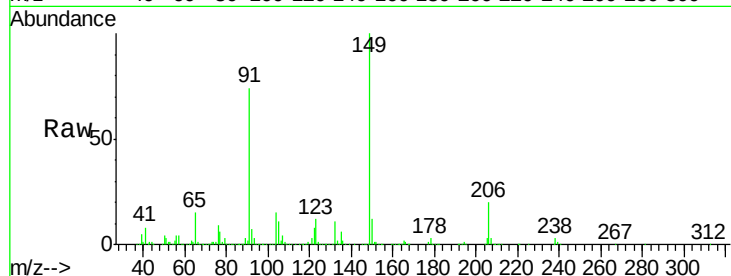




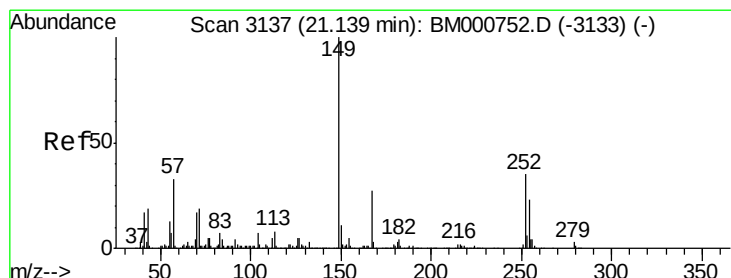
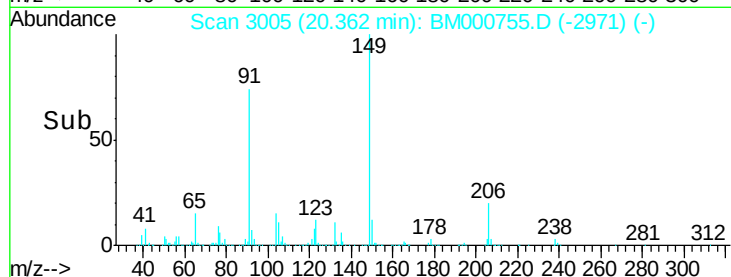
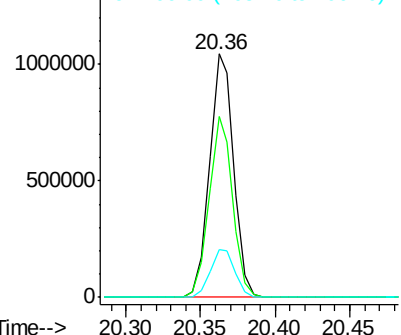
#78
 Butylbenzylphthalate
 Concen: 72.02 ng/ul
 RT: 20.36 min Scan# 3005
 Delta R.T. -0.00 min
 Lab File: BM000755.D
 Acq: 23 Mar 2015 16:15

Instrument :
 BNA_M
 ClientSampleId :
 X1M17

Tgt Ion:149 Resp: 1189247
 Ion Ratio Lower Upper
 149 100
 91 74.1 57.7 86.5
 206 19.6 16.3 24.5

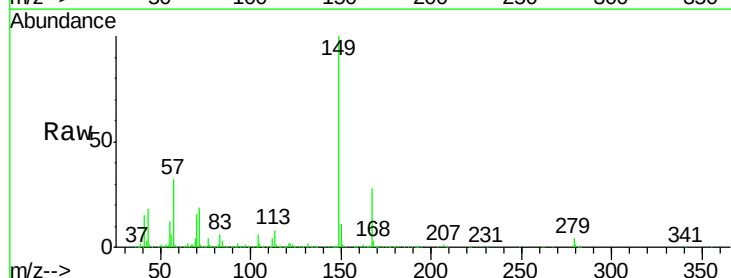


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BM
 Ion 206.00 (205.70 to 206.70): E

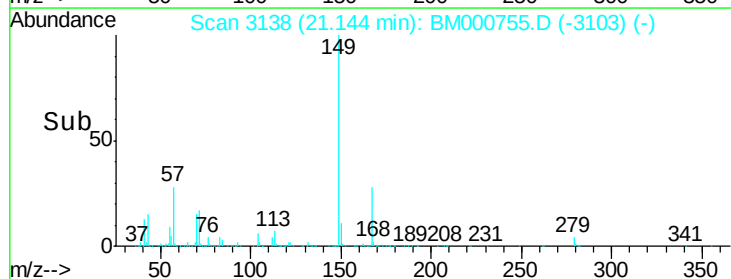
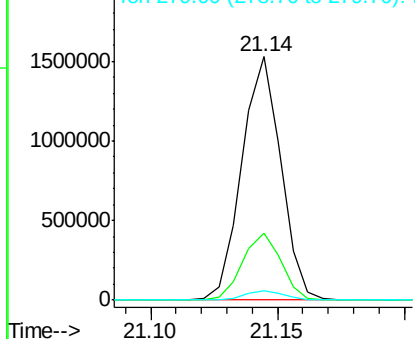


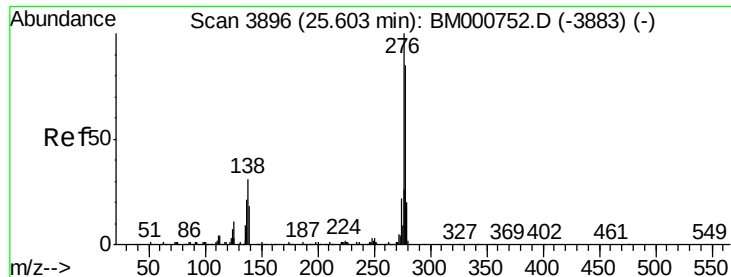
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 65.50 ng/ul
 RT: 21.14 min Scan# 3138
 Delta R.T. 0.01 min
 Lab File: BM000755.D
 Acq: 23 Mar 2015 16:15

Tgt Ion:149 Resp: 1640187
 Ion Ratio Lower Upper
 149 100
 167 27.6 21.5 32.3
 279 3.8 2.9 4.3



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





#89

Indeno(1,2,3-cd)pyrene

Concen: 62.49 ng/ul

RT: 25.62 min Scan# 3899

Delta R.T. 0.02 min

Lab File: BM000755.D

Acq: 23 Mar 2015 16:15

Instrument :

BNA_M

ClientSampleId :

X1M17

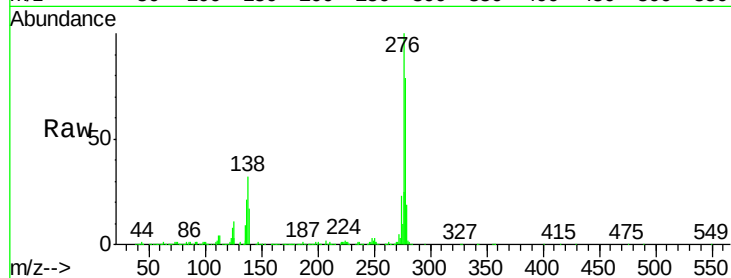
Tgt Ion:276 Resp: 3115284

Ion Ratio Lower Upper

276 100

138 31.6 24.6 36.8

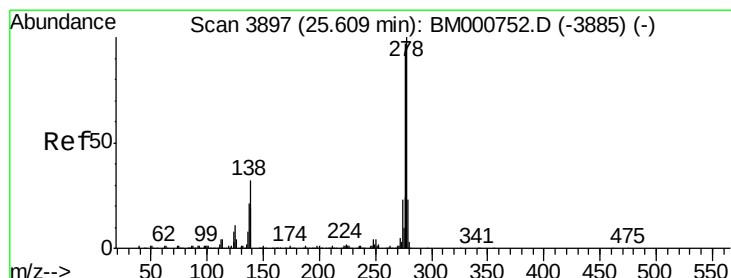
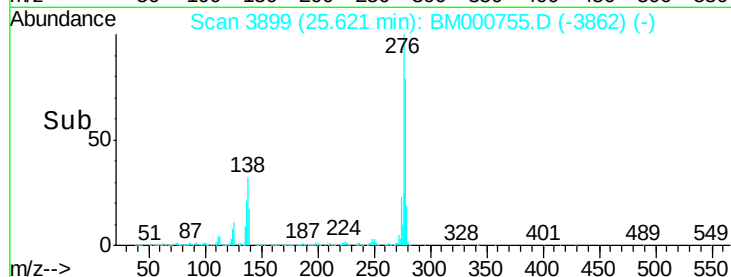
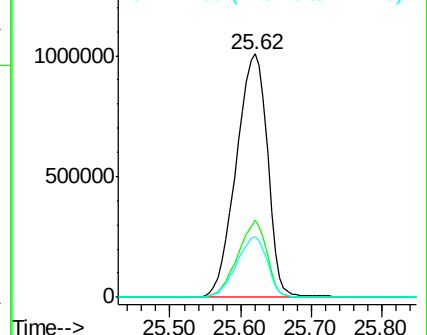
277 24.7 20.3 30.5



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



#90

Dibenzo(a,h)anthracene

Concen: 49.06 ng/ul

RT: 25.63 min Scan# 3900

Delta R.T. 0.02 min

Lab File: BM000755.D

Acq: 23 Mar 2015 16:15

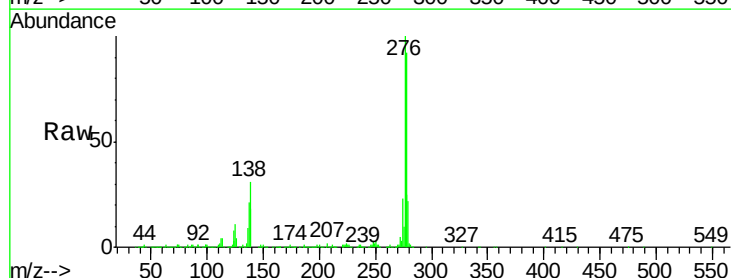
Tgt Ion:278 Resp: 2050188

Ion Ratio Lower Upper

278 100

139 20.0 15.6 23.4

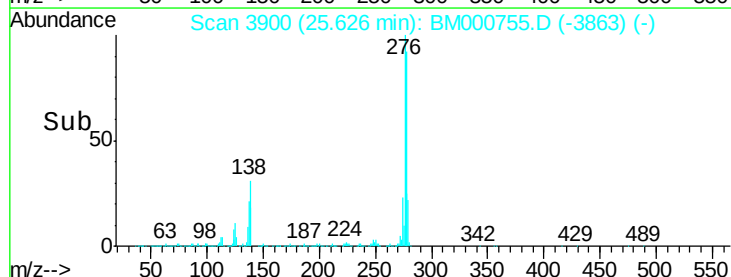
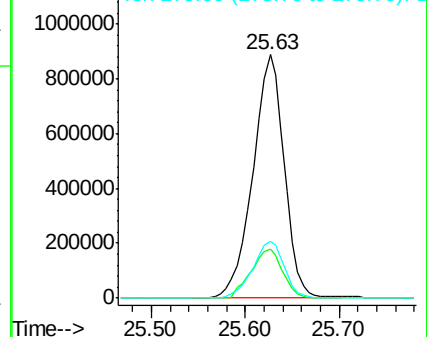
279 23.4 19.6 29.4

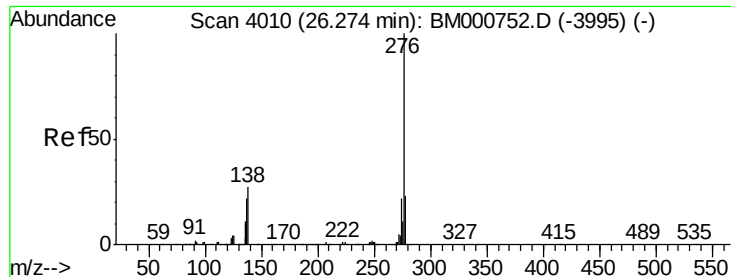


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 46.75 ng/ul

RT: 26.29 min Scan# 4012

Delta R.T. 0.01 min

Lab File: BM000755.D

Acq: 23 Mar 2015 16:15

Instrument :

BNA_M

ClientSampleId :

X1M17

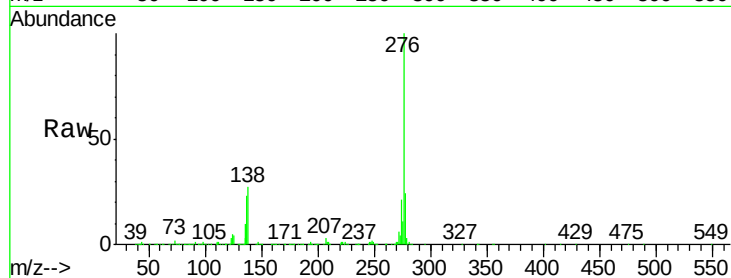
Tgt Ion:276 Resp: 1988067

Ion Ratio Lower Upper

276 100

138 27.2 20.9 31.3

277 23.8 18.6 28.0



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

