

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
 Data File : BM012762.D
 Acq On : 06 Nov 2017 05:11
 Operator : SJ/JU
 Sample : I5825-14MS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-19(0-1)-101117MS

Quant Time: Nov 06 07:24:26 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 06 07:19:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	146031	20.00	ng/ul	0.00
18) Naphthalene-d8	10.61	136	602952	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.46	164	360100	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.20	188	679433	20.00	ng/ul	0.00
77) Chrysene-d12	21.39	240	618353	20.00	ng/ul	0.01
85) Perylene-d12	23.69	264	709976	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	13242	4.90	ng/uL	0.00
5) Phenol-d5	7.00	99	285777	26.30	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.15	67	172781	29.34	ng/ul	0.01
9) 2-Chlorophenol-d4	7.35	132	220536	24.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	211905	22.59	ng/ul	0.01
19) Nitrobenzene-d5	8.97	128	141945	31.87	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	72892	14.30	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.24	165	201597	19.29	ng/ul	0.01
29) 4-Chloroaniline-d4	10.75	131	116027	11.51	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	995248	33.40	ng/ul	0.00
46) Acenaphthylene-d8	14.15	160	1222203	33.16	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	223	0.05	ng/ul	0.00
57) Fluorene-d10	15.45	176	828154	32.45	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.51	200	1294	0.29	ng/ul	-0.06
70) Anthracene-d10	17.30	188	1096545	33.40	ng/ul	0.00
78) Pyrene-d10	19.60	212	999180	34.82	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.54	264	1130503	33.68	ng/ul	0.03

Target Compounds

						Ovalue
4) Benzaldehyde	6.96	77	17437	3.02	ng/ul	96
6) Phenol	7.02	94	361760	32.43	ng/ul	95
10) 2-Chlorophenol	7.39	128	238456	25.57	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.62	70	175290	25.84	ng/ul	97
33) 4-Chloro-3-methylphenol	11.90	107	280117	28.29	ng/ul	96
44) Dimethylphthalate	13.91	163	513158	17.35	ng/ul	99
47) Acenaphthylene	14.17	152	58054	1.62	ng/ul	97
49) Acenaphthene	14.52	153	703206	28.89	ng/ul	97
54) 2,4-Dinitrotoluene	14.83	165	224872	25.83	ng/ul	95
60) 4-Nitroaniline	15.53	138	18261	3.14	ng/ul	92
69) Phenanthrene	17.24	178	263140	7.09	ng/ul	99
71) Anthracene	17.33	178	89850	2.33	ng/ul	99
75) Di-n-butylphthalate	18.16	149	136490	3.63	ng/ul	98
76) Fluoranthene	19.26	202	610612	13.68	ng/ul#	92
79) Pyrene	19.63	202	1656879	44.91	ng/ul#	91
80) Butylbenzylphthalate	20.52	149	32525	2.42	ng/ul#	83
82) Benzo(a)anthracene	21.37	228	336631	9.00	ng/ul#	93
83) Bis(2-ethylhexyl)phthalate	21.29	149	547789	27.95	ng/ul#	94
84) Chrysene	21.42	228	402287	11.86	ng/ul#	94
87) Benzo(b)fluoranthene	22.99	252	638375	14.71	ng/ul#	91
88) Benzo(k)fluoranthene	22.99	252	638375	15.48	ng/ul#	90
90) Benzo(a)pyrene	23.59	252	399510	9.68	ng/ul#	87
91) Indeno(1,2,3-cd)pyrene	26.02	276	343093	6.90	ng/ul#	87

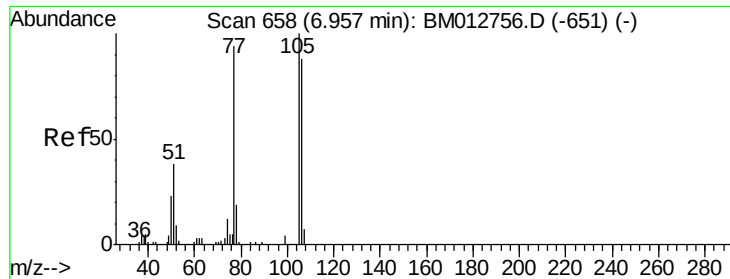
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 07:19:57 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Dibenzo(a,h)anthracene	26.02	278	88501	2.10	ng/ul#	54
93) Benzo(g,h,i)perylene	26.74	276	327842	8.00	ng/ul#	88

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



#4

Benzaldehyde

Concen: 3.02 ng/ul

RT: 6.96 min Scan# 659

Delta R.T. 0.01 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Instrument :

BNA_M

ClientSampleId :

B-19(0-1)-101117MS

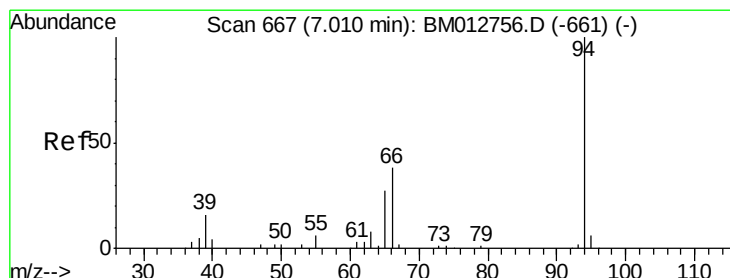
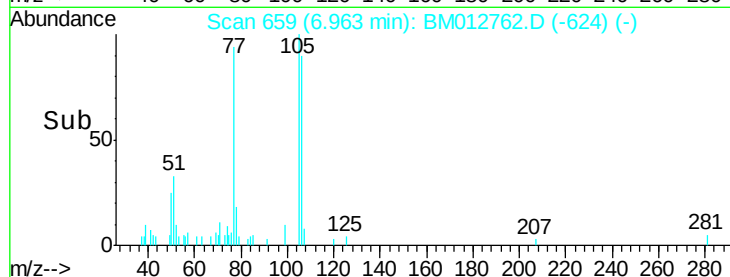
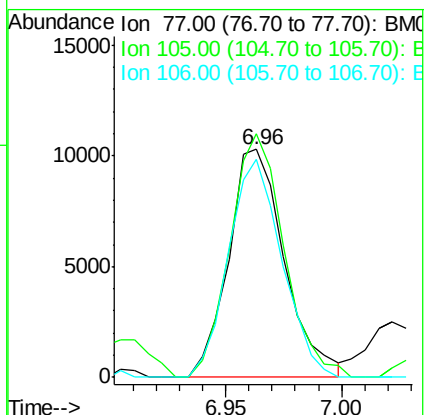
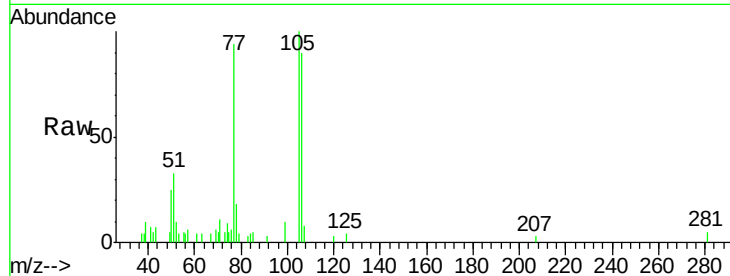
Tot Ion: 77 Resp: 17437

Ion Ratio Lower Upper

77 100

105 106.9 80.6 120.8

106 95.9 77.7 116.5



#6

Phenol

Concen: 32.43 ng/ul

RT: 7.02 min Scan# 669

Delta R.T. 0.01 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

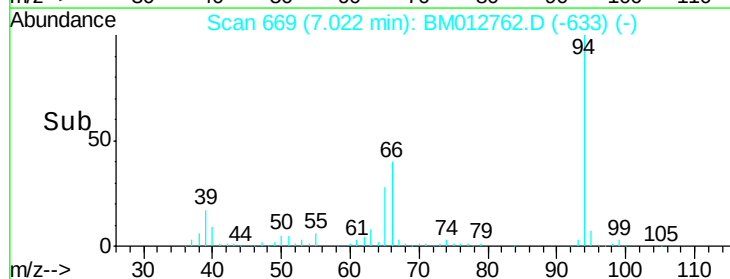
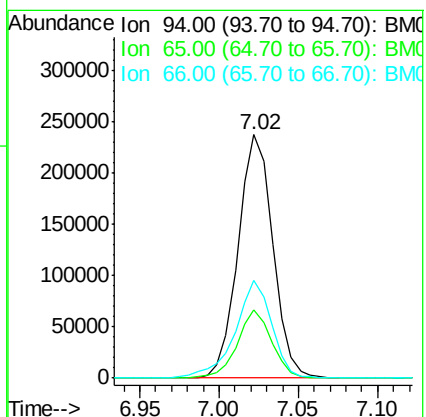
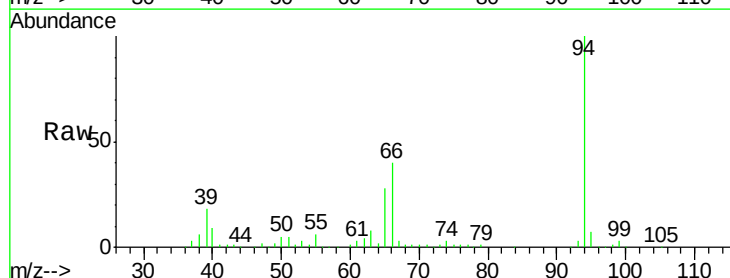
Tgt Ion: 94 Resp: 361760

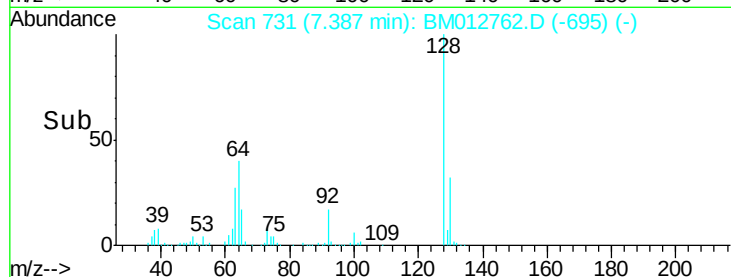
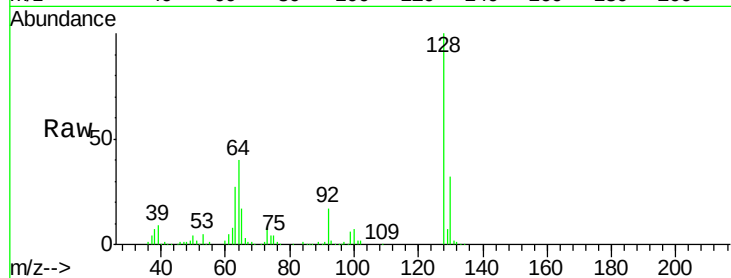
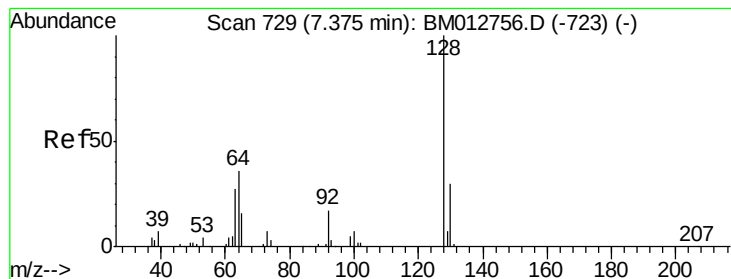
Ion Ratio Lower Upper

94 100

65 28.2 21.0 31.6

66 40.4 29.3 43.9

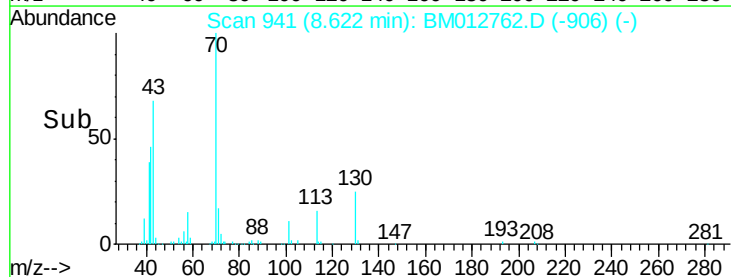
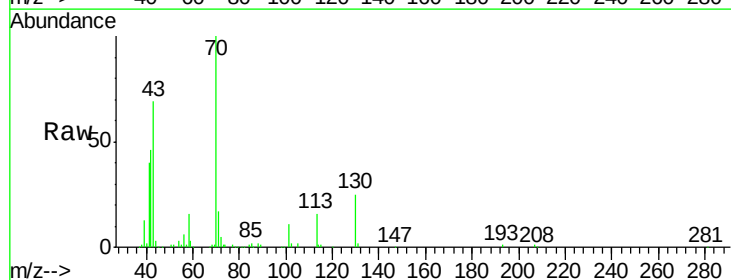
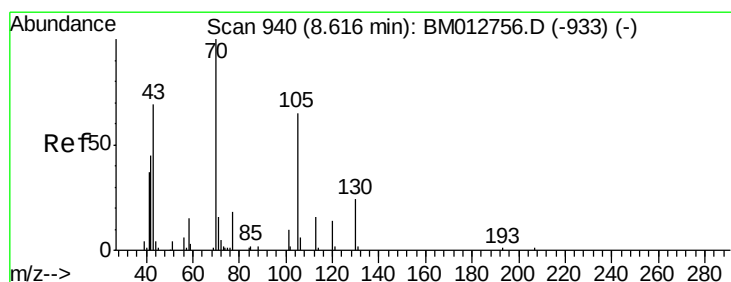
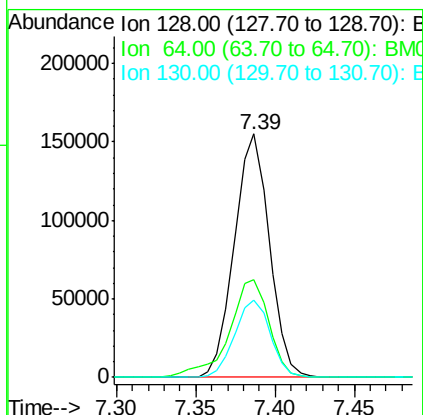




#10
2-Chlorophenol
Concen: 25.57 ng/ul
RT: 7.39 min Scan# 731
Delta R.T. 0.01 min
Lab File: BM012762.D
Acq: 06 Nov 2017 05:11

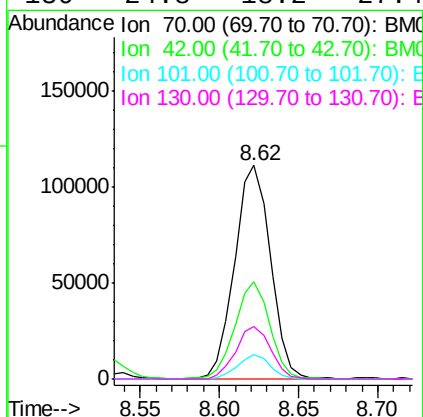
Instrument :
BNA_M
ClientSampleId :
B-19(0-1)-101117MS

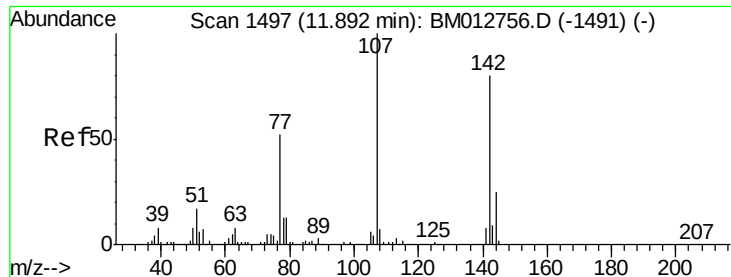
Tot Ion	Ratio	Lower	Upper
128	100		
64	40.3	31.9	47.9
130	31.6	25.6	38.4



#15
N-Nitroso-di-n-propylamine
Concen: 25.84 ng/ul
RT: 8.62 min Scan# 941
Delta R.T. 0.01 min
Lab File: BM012762.D
Acq: 06 Nov 2017 05:11

Tgt Ion	Ratio	Lower	Upper
70	100		
42	45.7	35.4	53.0
101	11.1	8.4	12.6
130	24.8	18.2	27.4

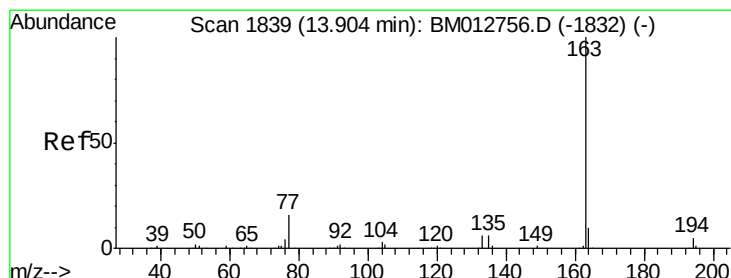
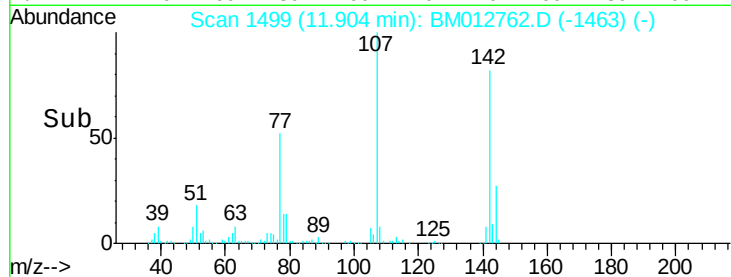
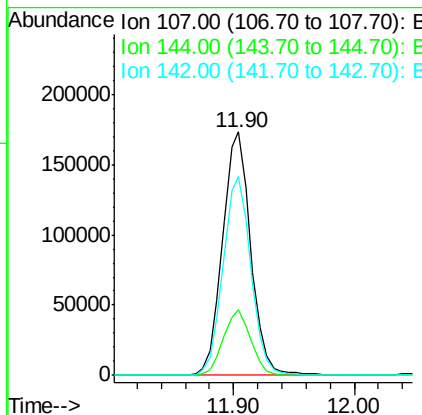
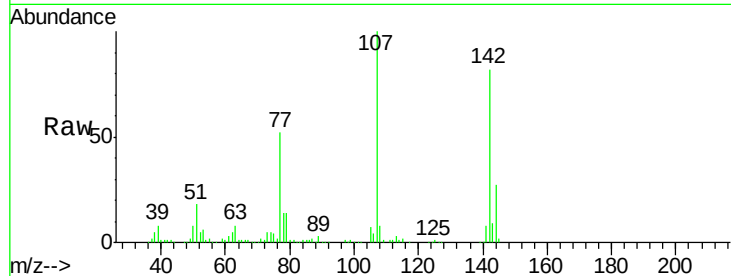




#33
 4-Chloro-3-methylphenol
 Concen: 28.29 ng/ul
 RT: 11.90 min Scan# 1499
 Delta R.T. 0.01 min
 Lab File: BM012762.D
 Acq: 06 Nov 2017 05:11

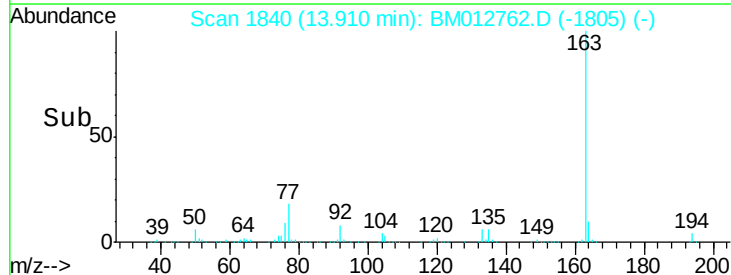
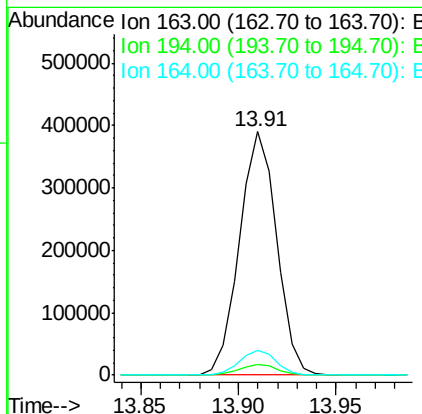
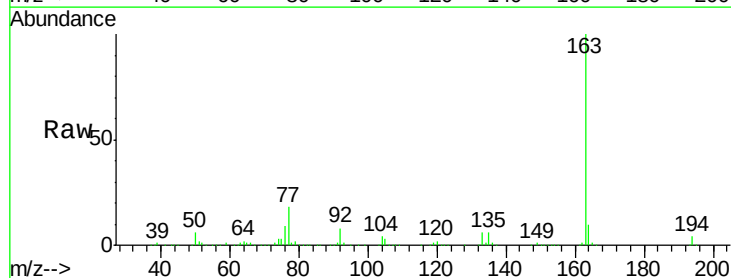
Instrument :
 BNA_M
 ClientSampleId :
 B-19(0-1)-101117MS

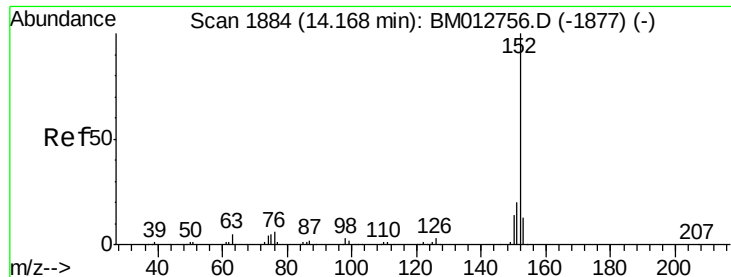
Tot Ion	Ratio	Lower	Upper
107	100		
144	26.8	20.4	30.6
142	81.7	62.5	93.7



#44
 Dimethylphthalate
 Concen: 17.35 ng/ul
 RT: 13.91 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BM012762.D
 Acq: 06 Nov 2017 05:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	10.1	7.8	11.8





#47

Acenaphthylene

Concen: 1.62 ng/ul

RT: 14.17 min Scan# 1885

Delta R.T. 0.01 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Instrument :

BNA_M

ClientSampleId :

B-19(0-1)-101117MS

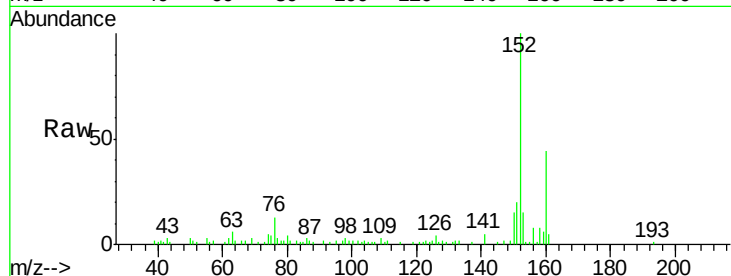
Tot Ion:152 Resp: 58054

Ion Ratio Lower Upper

152 100

151 20.3 15.7 23.5

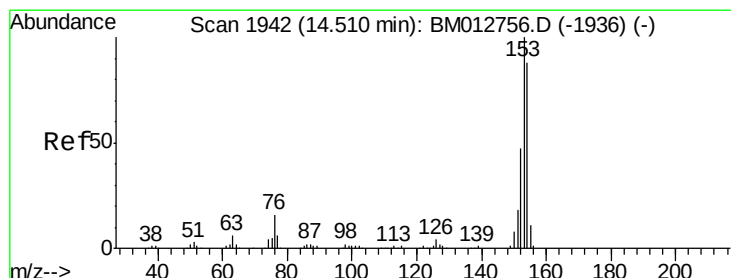
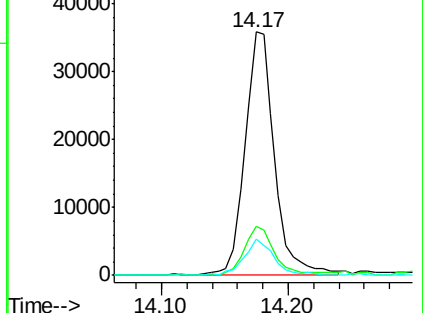
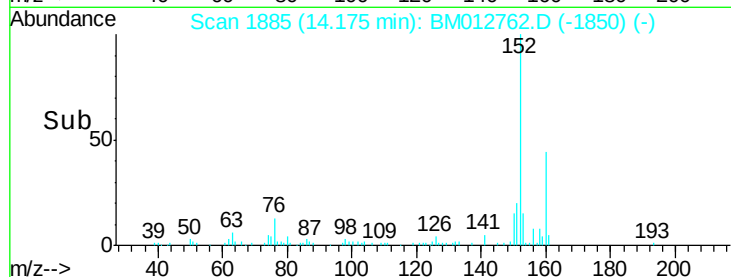
153 15.0 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 28.89 ng/ul

RT: 14.52 min Scan# 1944

Delta R.T. 0.01 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

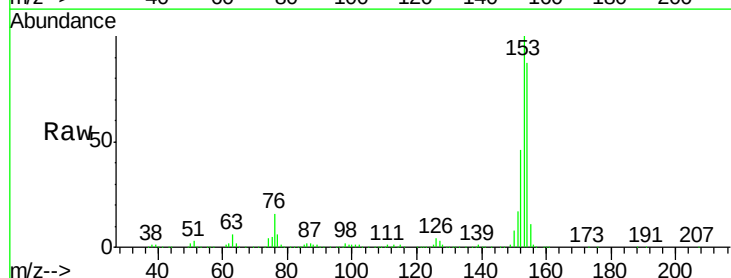
Tgt Ion:153 Resp: 703206

Ion Ratio Lower Upper

153 100

152 46.2 38.3 57.5

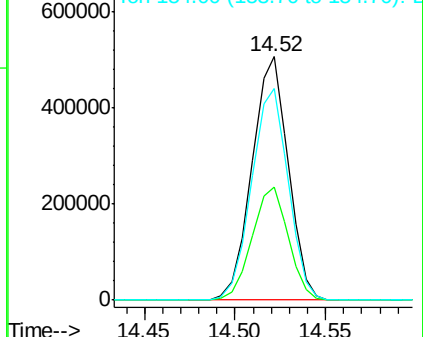
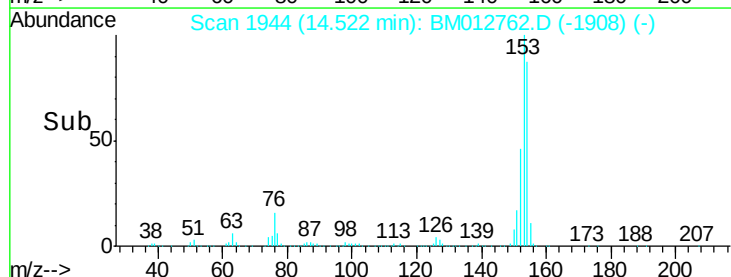
154 86.9 71.8 107.8

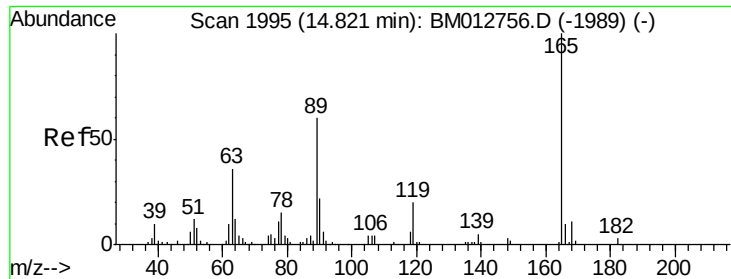


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

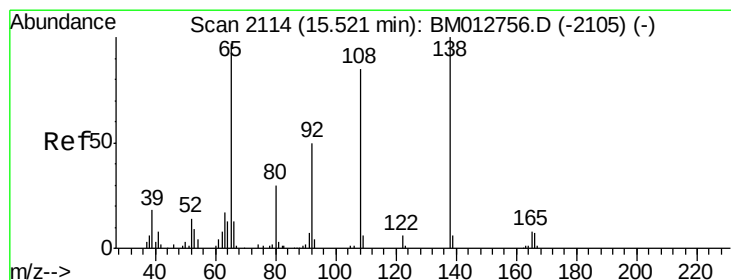
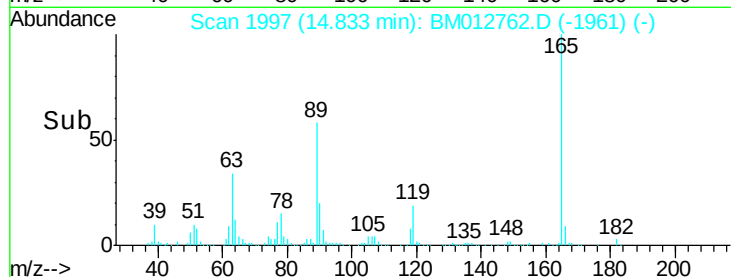
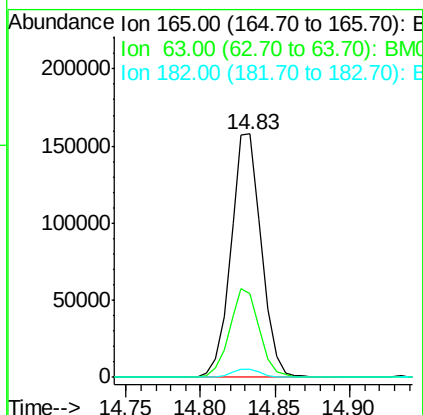
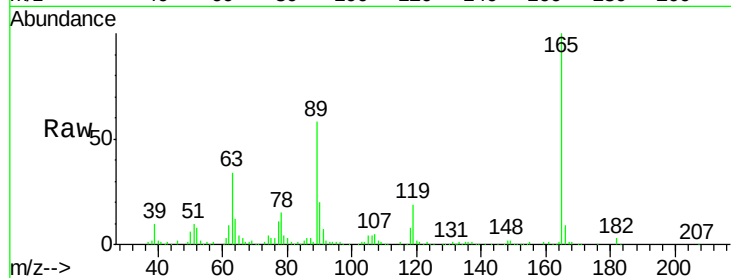




#54
 2,4-Dinitrotoluene
 Concen: 25.83 ng/ul
 RT: 14.83 min Scan# 1997
 Delta R.T. 0.01 min
 Lab File: BM012762.D
 Acq: 06 Nov 2017 05:11

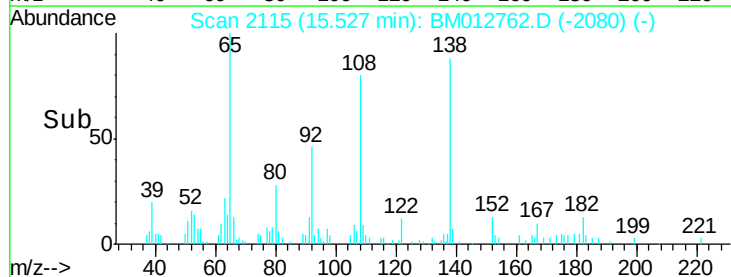
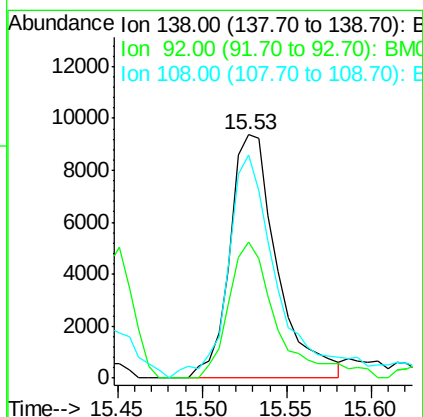
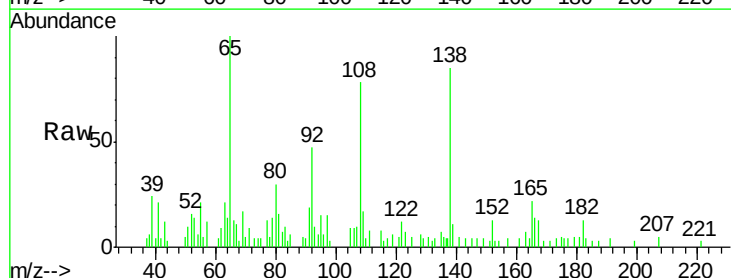
Instrument :
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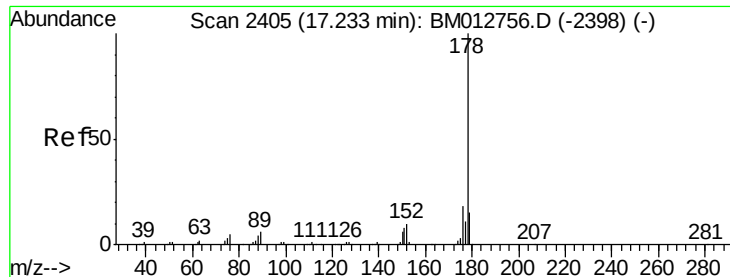
Tot Ion:165 Resp: 224872
 Ion Ratio Lower Upper
 165 100
 63 34.3 29.8 44.6
 182 3.3 2.2 3.4



#60
 4-Nitroaniline
 Concen: 3.14 ng/ul
 RT: 15.53 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: BM012762.D
 Acq: 06 Nov 2017 05:11

Tgt Ion:138 Resp: 18261
 Ion Ratio Lower Upper
 138 100
 92 55.8 40.6 60.8
 108 91.7 67.0 100.6





#69

Phenanthrene

Concen: 7.09 ng/ul

RT: 17.24 min Scan# 2406

Delta R.T. 0.01 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Instrument :

BNA_M

ClientSampleId :

B-19(0-1)-101117MS

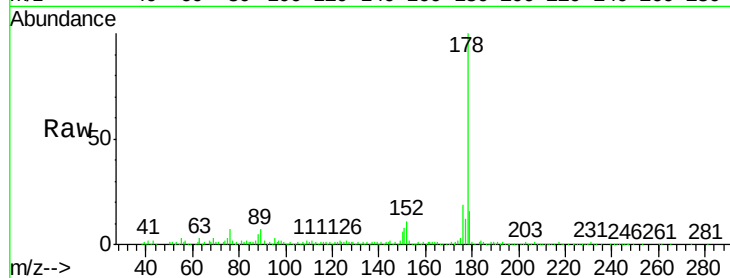
Tot Ion:178 Resp: 263140

Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.4

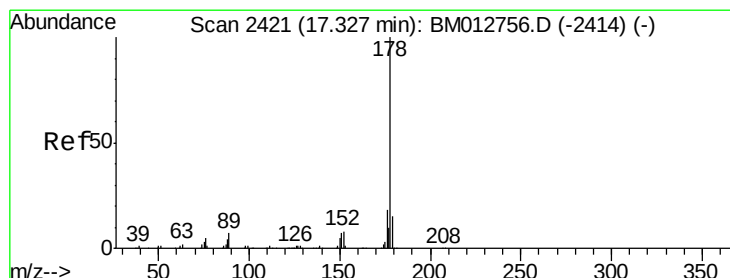
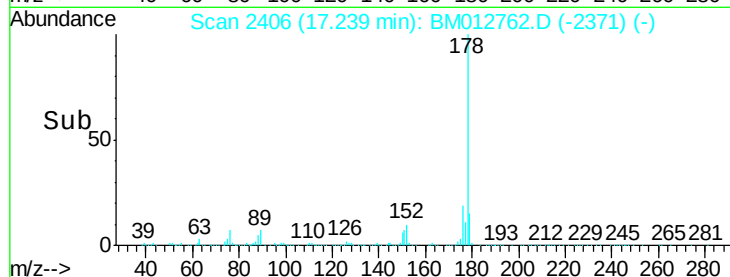
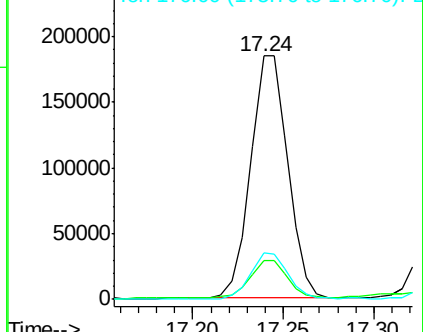
176 18.9 15.6 23.4



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: 2.33 ng/ul

RT: 17.33 min Scan# 2422

Delta R.T. 0.01 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

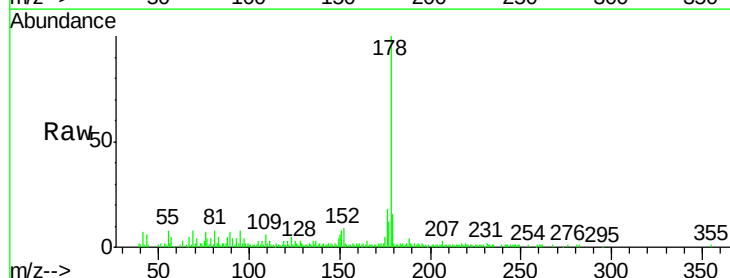
Tgt Ion:178 Resp: 89850

Ion Ratio Lower Upper

178 100

179 16.1 12.1 18.1

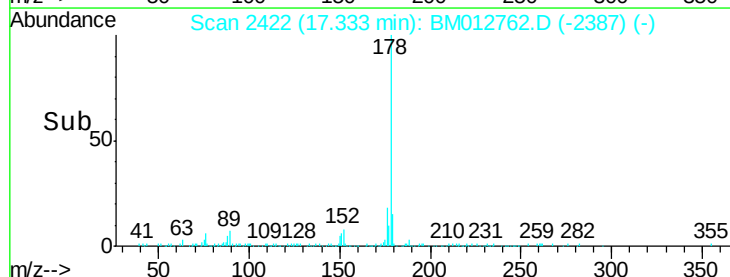
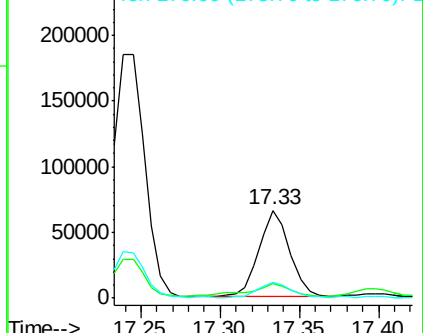
176 18.5 14.8 22.2

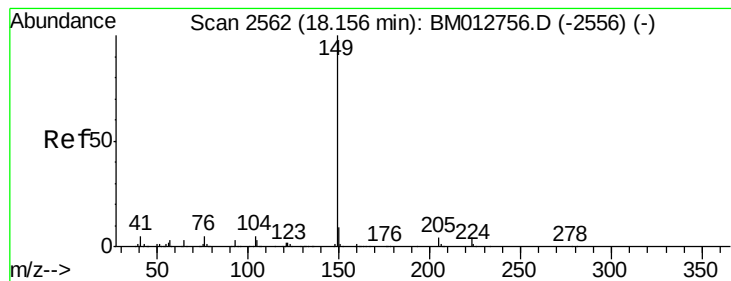


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Di-n-butylphthalate

Concen: 3.63 ng/ul

RT: 18.16 min Scan# 2563

Delta R.T. 0.01 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Instrument :

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ClientSampleId :

B-19(0-1)-101117MS

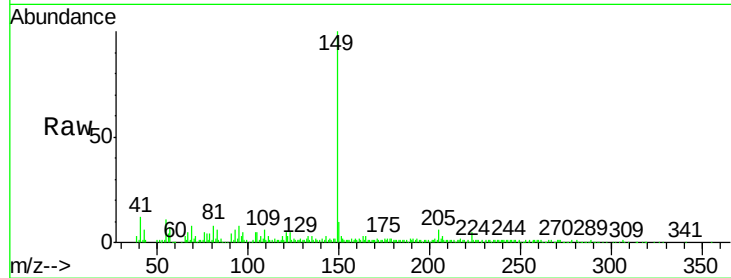
Tot Ion:149 Resp: 136490

Ion Ratio Lower Upper

149 100

150 10.3 7.4 11.0

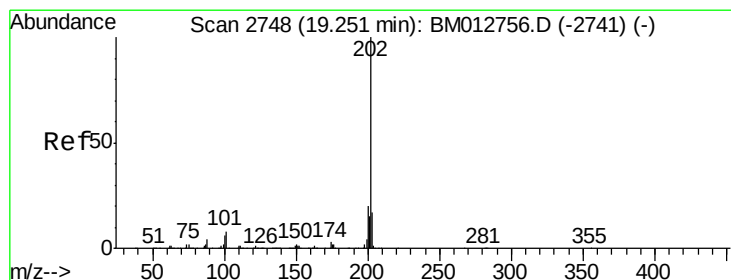
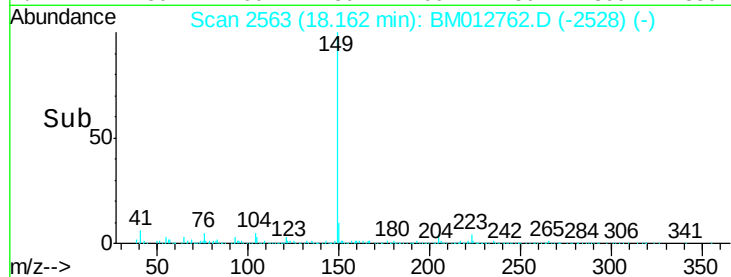
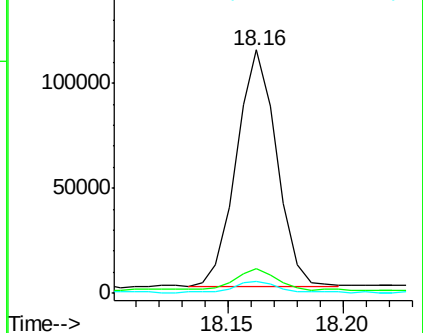
104 5.2 4.0 6.0



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: 13.68 ng/ul

RT: 19.26 min Scan# 2750

Delta R.T. 0.01 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

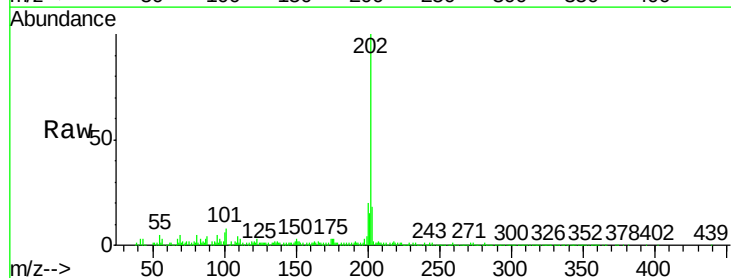
Tgt Ion:202 Resp: 610612

Ion Ratio Lower Upper

202 100

101 7.6 8.8 13.2#

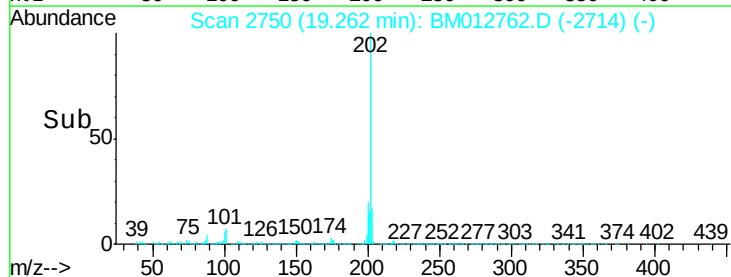
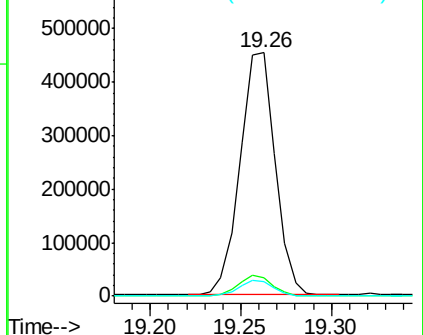
100 5.9 6.6 9.8#

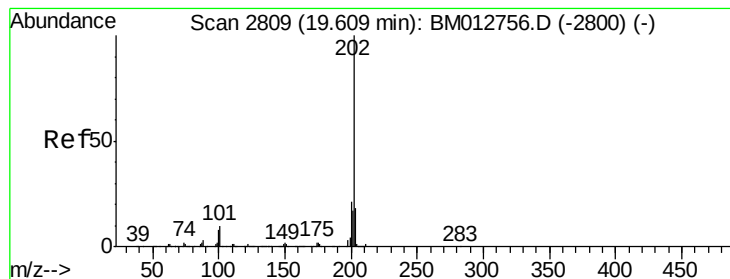


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pvrene

Concen: 44.91 ng/ul

RT: 19.63 min Scan# 2812

Delta R.T. 0.02 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Instrument :

BNA_M

ClientSampleId :

B-19(0-1)-101117MS

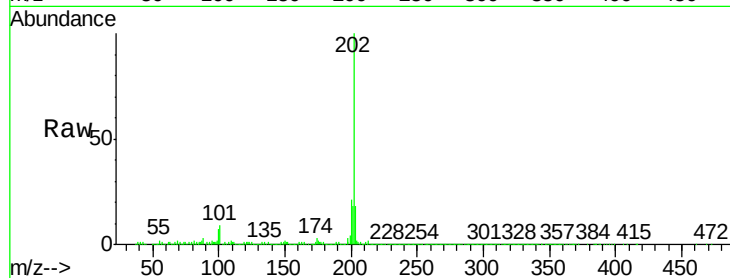
Tot Ion:202 Resp: 1656879

Ion Ratio Lower Upper

202 100

101 9.1 10.2 15.2#

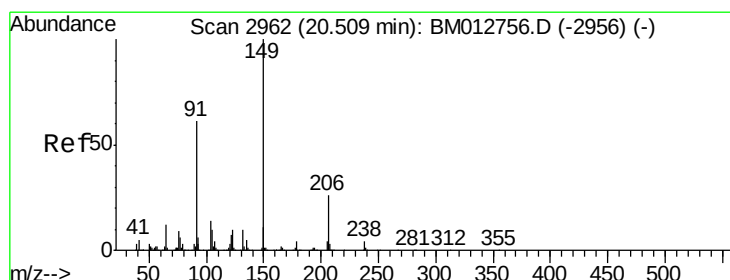
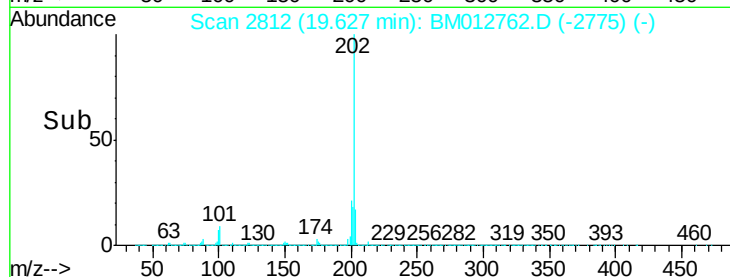
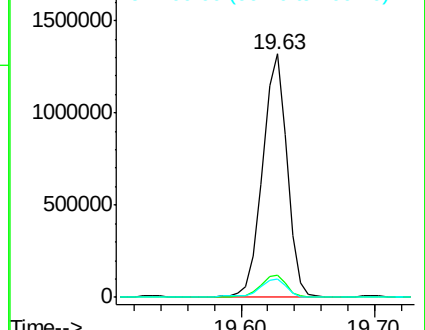
100 7.4 8.5 12.7#



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): B



#80

Butylbenzylphthalate

Concen: 2.42 ng/ul

RT: 20.52 min Scan# 2963

Delta R.T. 0.01 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

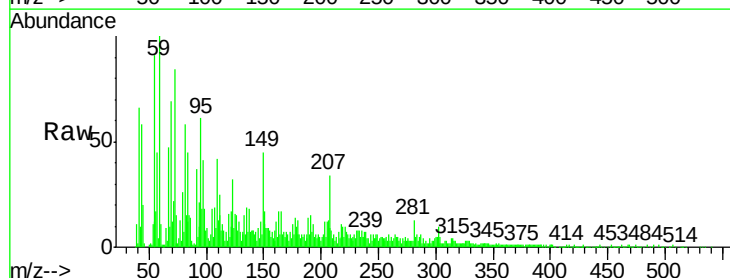
Tgt Ion:149 Resp: 32525

Ion Ratio Lower Upper

149 100

91 80.8 53.4 80.2#

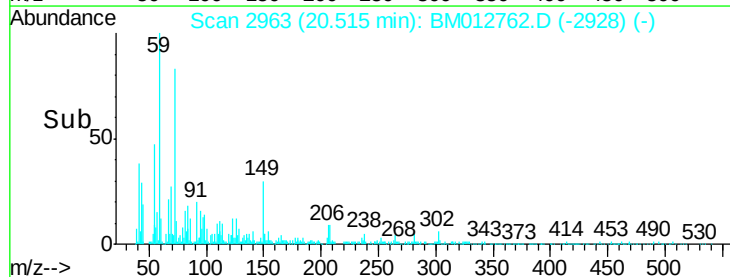
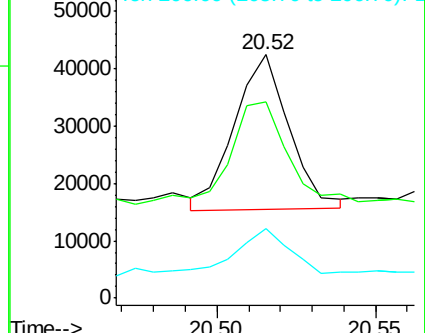
206 28.7 16.6 24.8#

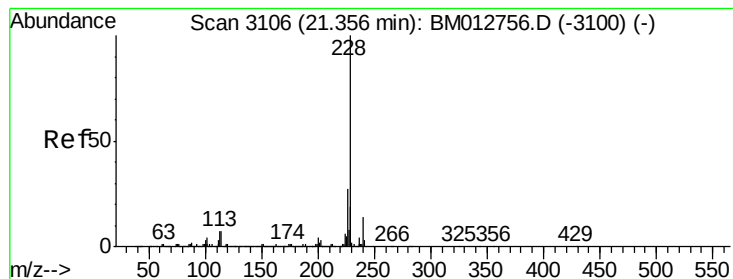


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#82

Benzo(a)anthracene

Concen: 9.00 ng/ul

RT: 21.37 min Scan# 3108

Delta R.T. 0.01 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Instrument :

BNA_M

ClientSampleId :

B-19(0-1)-101117MS

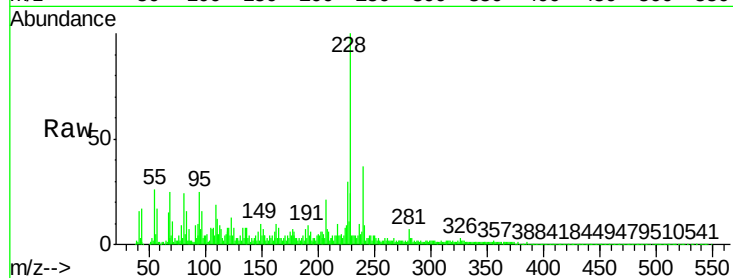
Tot Ion:228 Resp: 336631

Ion Ratio Lower Upper

228 100

229 24.2 15.7 23.5#

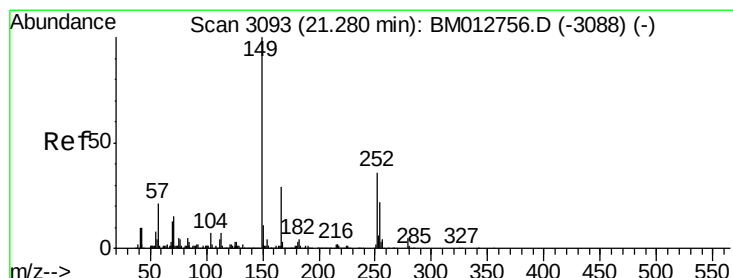
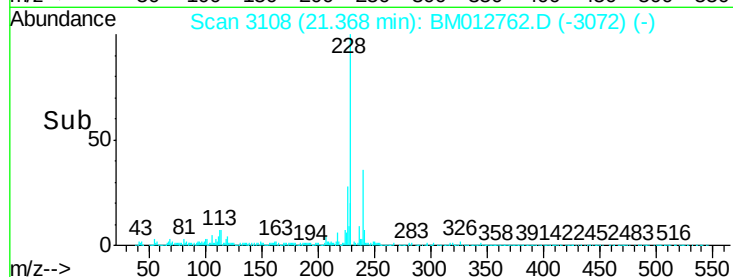
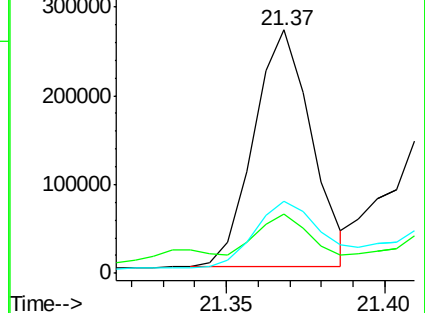
226 29.5 21.8 32.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 27.95 ng/ul

RT: 21.29 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

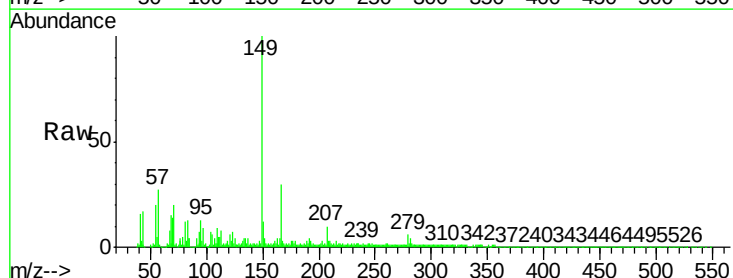
Tgt Ion:149 Resp: 547789

Ion Ratio Lower Upper

149 100

167 30.0 21.6 32.4

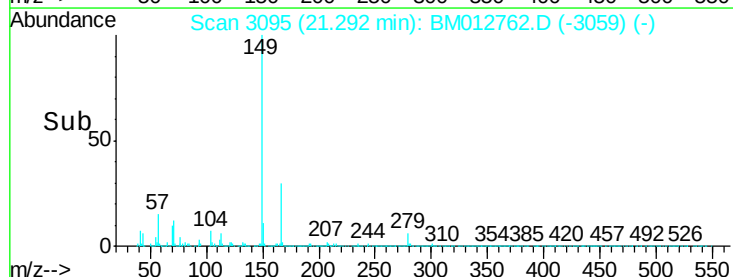
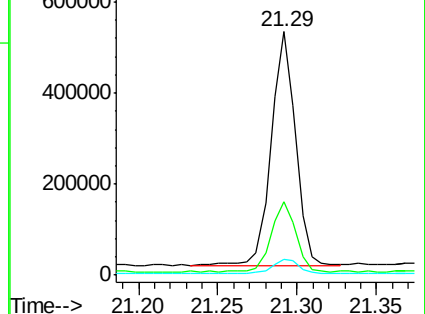
279 6.4 3.0 4.4#

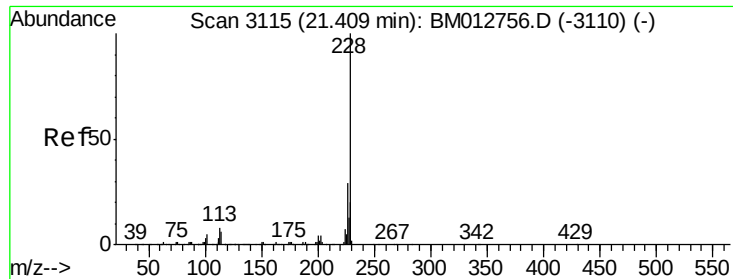


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 11.86 ng/ul

RT: 21.42 min Scan# 3117

Delta R.T. 0.01 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Instrument :

BNA_M

ClientSampleId :

B-19(0-1)-101117MS

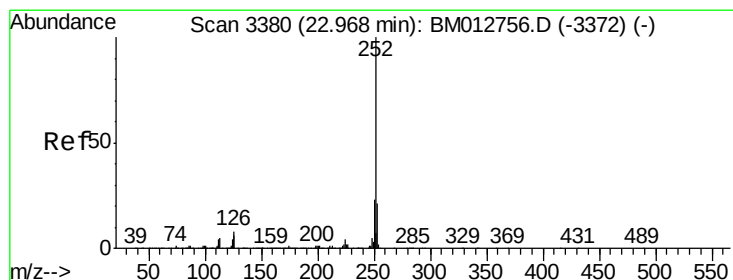
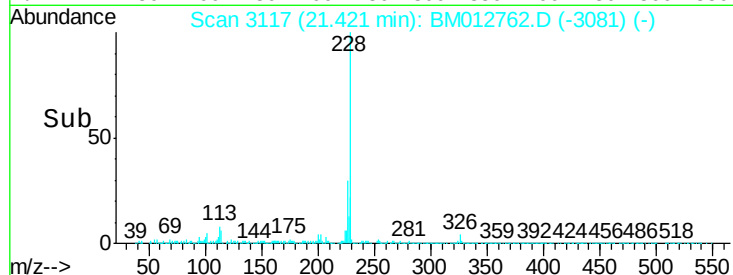
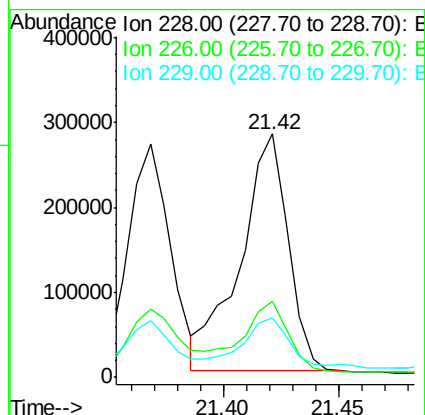
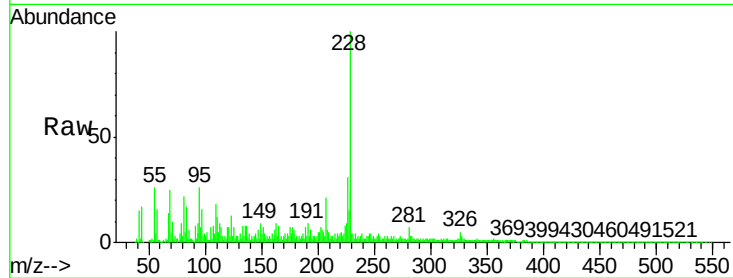
Tot Ion:228 Resp: 402287

Ion Ratio Lower Upper

228 100

226 31.2 24.0 36.0

229 24.5 15.6 23.4#



#87

Benzo(b)fluoranthene

Concen: 14.71 ng/ul

RT: 22.99 min Scan# 3384

Delta R.T. 0.02 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

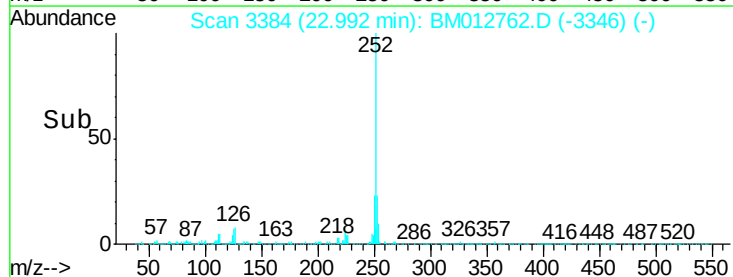
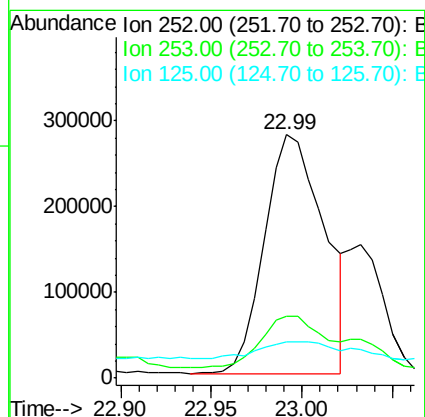
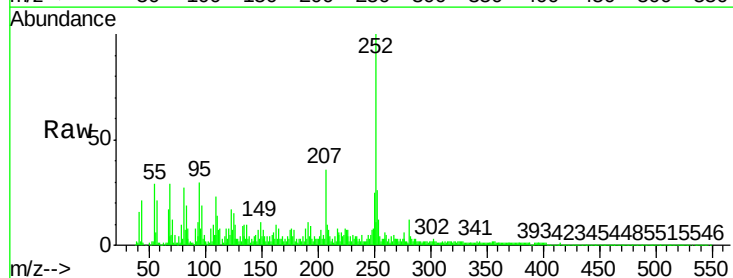
Tgt Ion:252 Resp: 638375

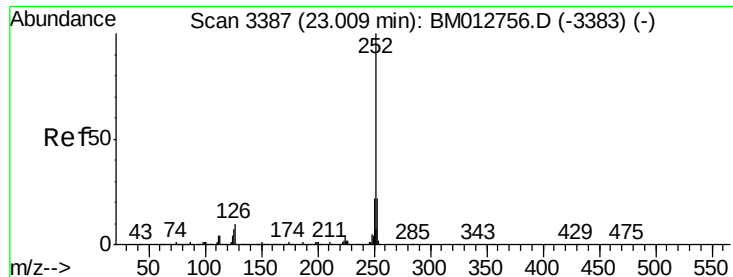
Ion Ratio Lower Upper

252 100

253 25.7 17.5 26.3

125 15.0 8.5 12.7#





#88

Benzo(k)fluoranthene

Concen: 15.48 ng/ul

RT: 22.99 min Scan# 3384

Delta R.T. -0.02 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

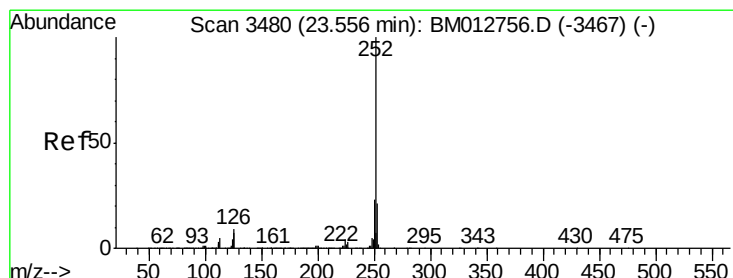
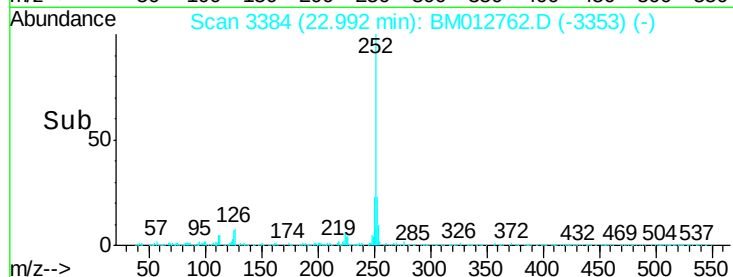
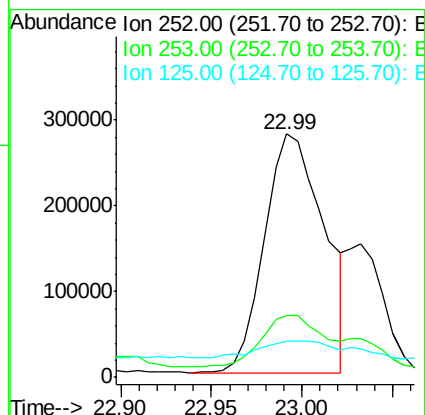
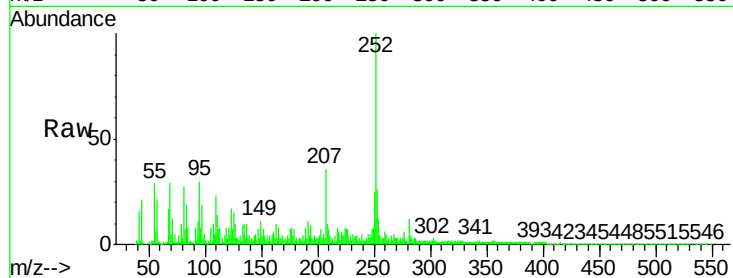
Instrument :

BNA_M

ClientSampleId :

B-19(0-1)-101117MS

Tot Ion:252	Resp:	638375
Ion Ratio	Lower	Upper
252	100	
253	25.7	17.3 25.9
125	15.0	8.2 12.2#



#90

Benzo(a)pyrene

Concen: 9.68 ng/ul

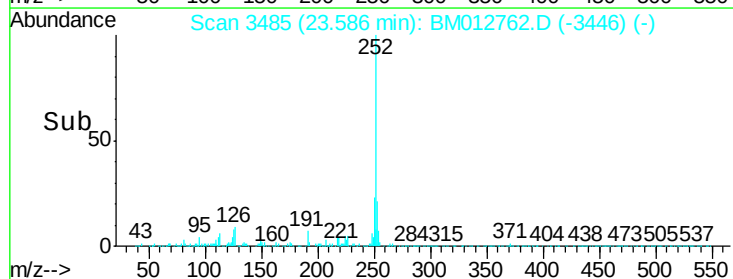
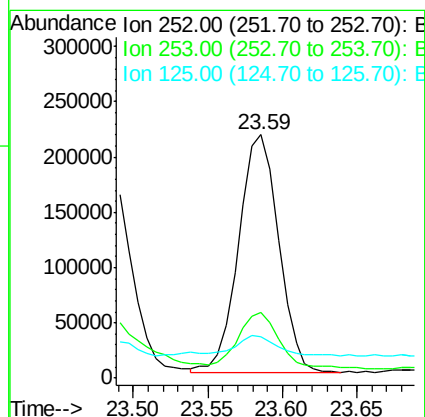
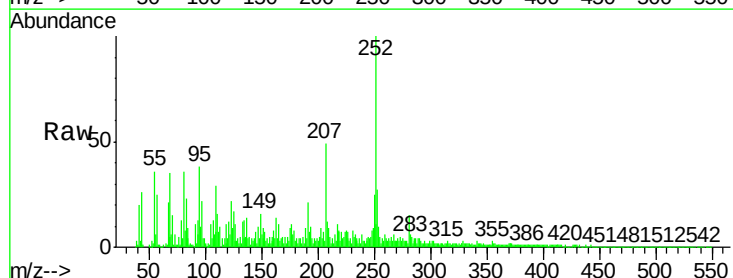
RT: 23.59 min Scan# 3485

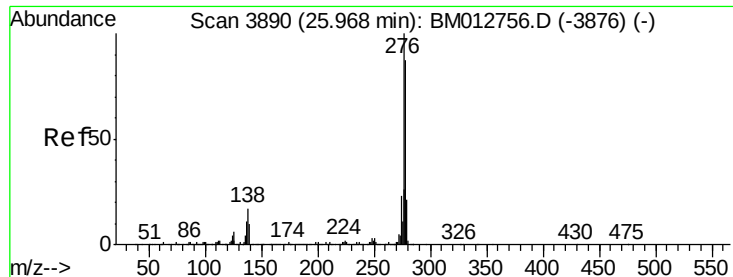
Delta R.T. 0.03 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Tgt Ion:252	Resp:	399510
Ion Ratio	Lower	Upper
252	100	
253	26.9	17.2 25.8#
125	17.2	9.0 13.6#





#91

Indeno(1,2,3-cd)pyrene

Concen: 6.90 ng/ul

RT: 26.02 min Scan# 3899

Delta R.T. 0.05 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Instrument :

BNA_M

ClientSampleId :

B-19(0-1)-101117MS

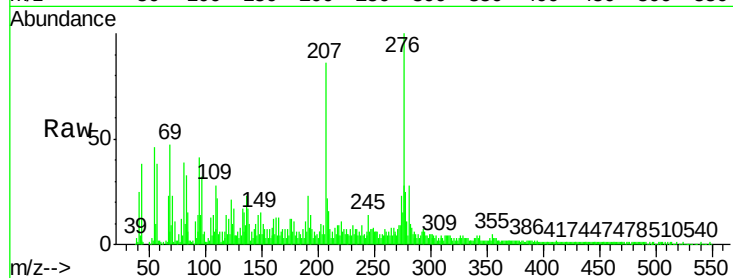
Tot Ion:276 Resp: 343093

Ion Ratio Lower Upper

276 100

138 17.5 22.3 33.5#

277 28.2 20.2 30.2

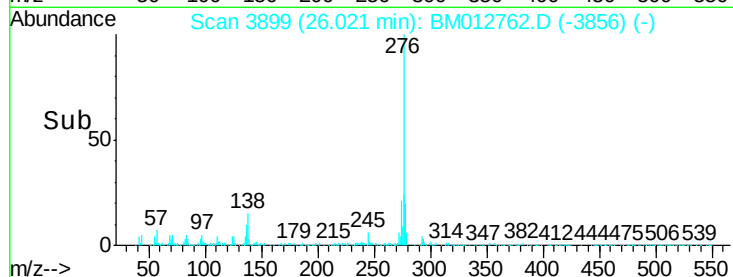


Abundance Ion 276.00 (275.70 to 276.70): E

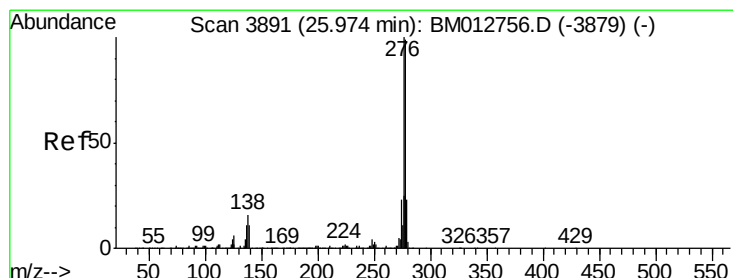
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

Time-->



Time-->



#92

Dibenzo(a,h)anthracene

Concen: 2.10 ng/ul

RT: 26.02 min Scan# 3899

Delta R.T. 0.05 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

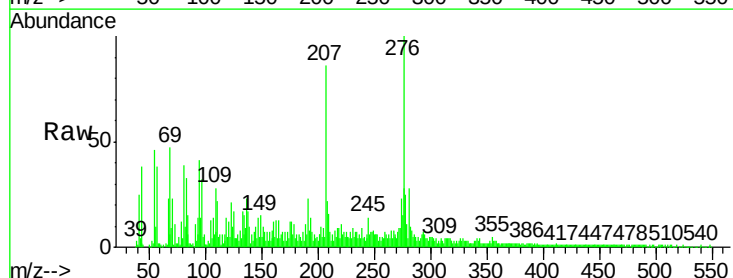
Tgt Ion:278 Resp: 88501

Ion Ratio Lower Upper

278 100

139 38.6 13.9 20.9#

279 45.1 19.0 28.4#

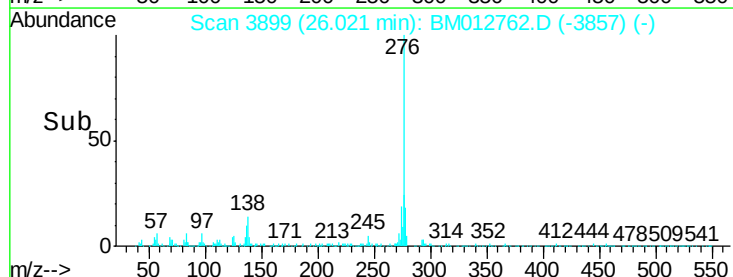


Abundance Ion 278.00 (277.70 to 278.70): E

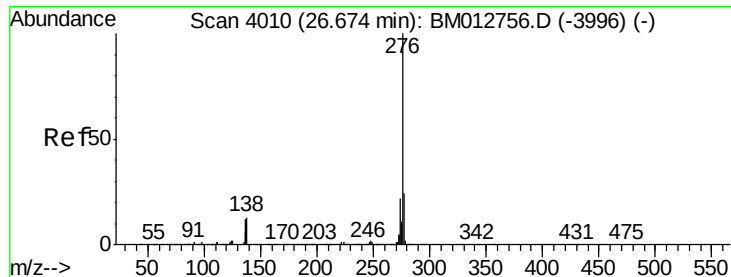
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->



Time-->



#93

Benzo(a,h,i)perylene

Concen: 8.00 ng/ul

RT: 26.74 min Scan# 4021

Delta R.T. 0.06 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Instrument :

BNA_M

ClientSampleId :

B-19(0-1)-101117MS

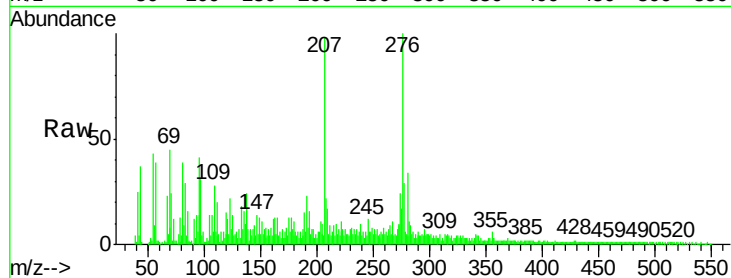
Tot Ion:276 Resp: 327842

Ion Ratio Lower Upper

276 100

138 17.3 18.9 28.3#

277 29.5 19.2 28.8#



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

