

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
 Data File : BM012519.D
 Acq On : 28 Oct 2017 11:26
 Operator : SJ/JU
 Sample : I5786-13 5X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 30 05:38:38 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 30 05:30:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	498409	20.00	ng/ul	0.00
18) Naphthalene-d8	10.67	136	1823424	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.50	164	1035754	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.24	188	2294030	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	2662492	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	3019936	20.00	ng/ul	0.01

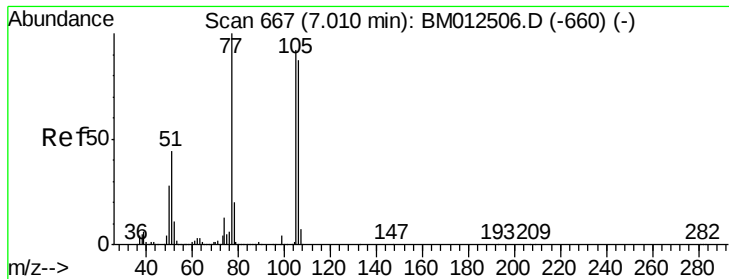
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	5971	0.61	ng/uL	0.00
5) Phenol-d5	7.05	99	92373	2.22	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.20	67	196483	7.95	ng/ul	0.00
9) 2-Chlorophenol-d4	7.41	132	68953	2.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.58	113	61276	1.72	ng/ul	0.00
19) Nitrobenzene-d5	9.03	128	44177	3.87	ng/ul	0.01
22) 2-Nitrophenol-d4	9.75	143	35353	3.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.29	165	59585	1.91	ng/ul	0.00
29) 4-Chloroaniline-d4	10.78	131	313068	9.53	ng/ul	-0.01
43) Dimethylphthalate-d6	13.91	166	254260	2.81	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	325901	3.05	ng/ul	0.00
51) 4-Nitrophenol-d4	14.71	143	2731	0.20	ng/ul	0.01
57) Fluorene-d10	15.49	176	232858	3.04	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	796	0.07	ng/ul	0.01
70) Anthracene-d10	17.34	188	361862	3.31	ng/ul	0.00
76) Pyrene-d10	19.63	212	398922	3.27	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.58	264	452565	3.15	ng/ul	0.01

Target Compounds

						Ovalue
4) Benzaldehyde	7.02	77	82566	3.65	ng/ul#	16
15) N-Nitroso-di-n-propylamine	8.70	70	32898	1.08	ng/ul#	83
17) Hexachloroethane	8.98	117	561218	41.50	ng/ul#	1
20) Nitrobenzene	9.07	77	119111	3.62	ng/ul#	37
21) Isophorone	9.59	82	223954	3.22	ng/ul#	1
23) 2-Nitrophenol	9.80	139	14629	1.12	ng/ul#	1
24) 2,4-Dimethylphenol	9.89	107	96198	2.62	ng/ul#	81
32) Caprolactam	11.69	113	40684	4.13	ng/ul	81
69) Phenanthrene	17.29	178	204647	1.65	ng/ul	99
71) Anthracene	17.29	178	204647	1.60	ng/ul	97
74) Fluoranthene	19.30	202	389003	2.77	ng/ul#	93
77) Pyrene	19.66	202	372107	2.46	ng/ul#	95
80) Benzo(a)anthracene	21.40	228	233114	1.46	ng/ul#	90
81) Bis(2-ethylhexyl)phthalate	21.33	149	166585	1.84	ng/ul#	94
82) Chrysene	21.45	228	222553	1.57	ng/ul#	89
85) Benzo(b)fluoranthene	23.03	252	334185	1.79	ng/ul#	76
86) Benzo(k)fluoranthene	23.03	252	334185	1.90	ng/ul#	74
88) Benzo(a)pyrene	23.62	252	243248	1.37	ng/ul#	79

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



#4

Benzaldehyde

Concen: 3.65 ng/ul

RT: 7.02 min Scan# 669

Delta R.T. 0.01 min

Lab File: BM012519.D

Acq: 28 Oct 2017 11:26

Instrument :

BNA_M

ClientSampleId :

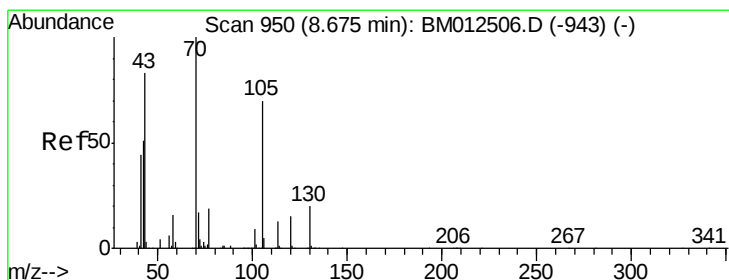
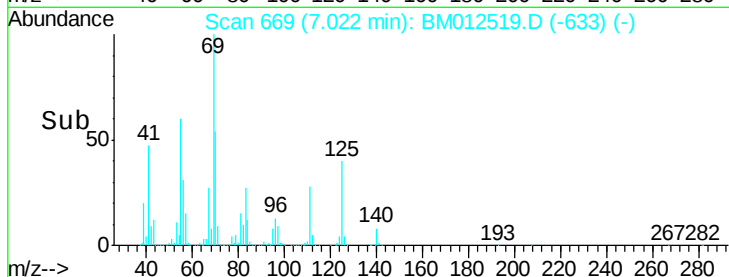
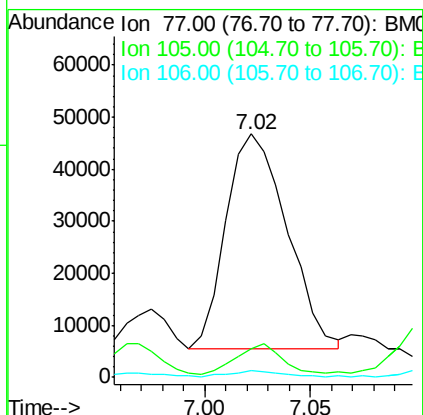
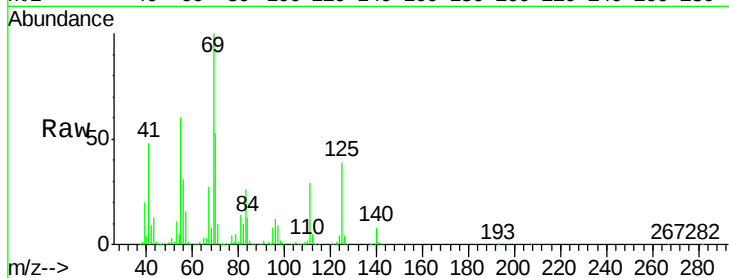
Tot Ion: 77 Resp: 82566

Ion Ratio Lower Upper

77 100

105 11.8 66.1 99.1#

106 2.9 67.8 101.6#



#15

N-Nitroso-di-n-propylamine

Concen: 1.08 ng/ul

RT: 8.70 min Scan# 955

Delta R.T. 0.03 min

Lab File: BM012519.D

Acq: 28 Oct 2017 11:26

Tgt Ion: 70 Resp: 32898

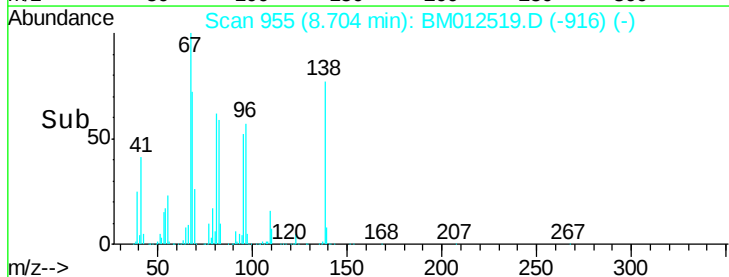
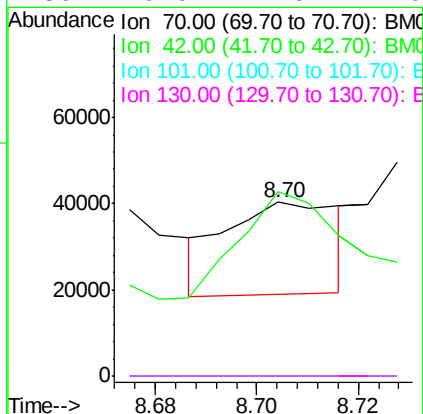
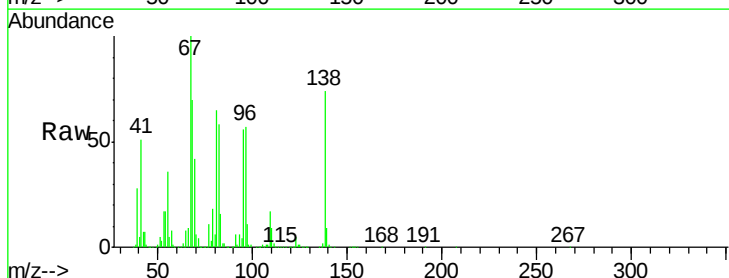
Ion Ratio Lower Upper

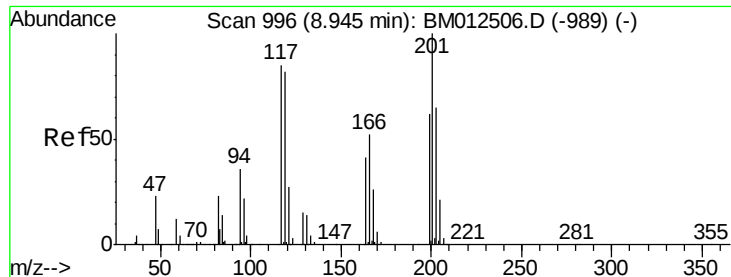
70 100

42 106.3 76.0 114.0

101 0.0 6.7 10.1#

130 0.0 14.6 22.0#





#17

Hexachloroethane

Concen: 41.50 ng/ul

RT: 8.98 min Scan# 1002

Delta R.T. 0.04 min

Lab File: BM012519.D

Acq: 28 Oct 2017 11:26

Instrument :

BNA_M

ClientSampleId :

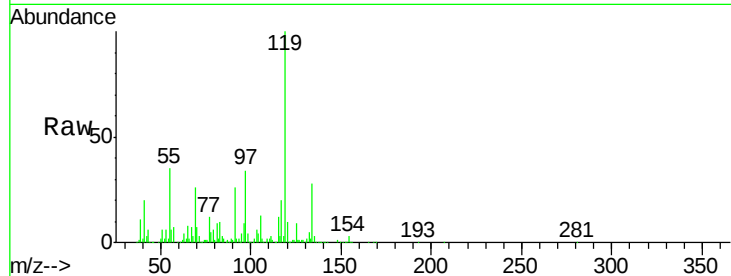
Tot Ion:117 Resp: 561218

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

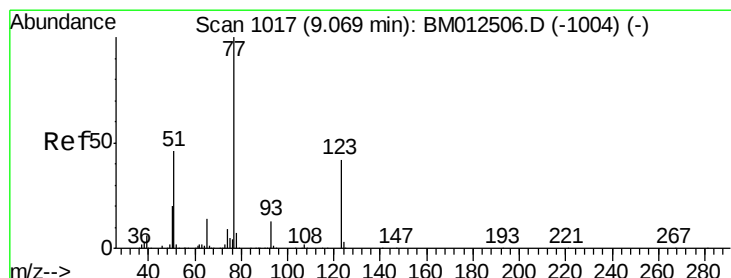
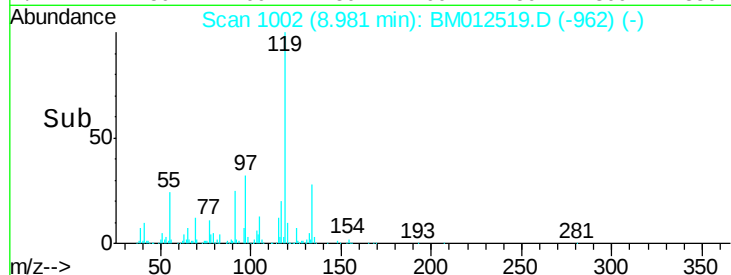
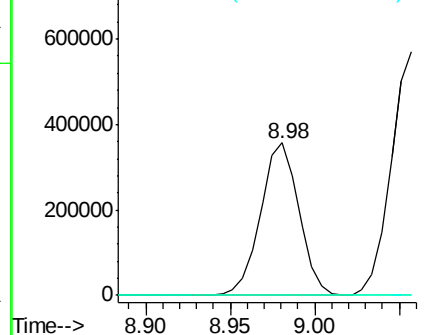
199 0.0 67.8 101.6#



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: 3.62 ng/ul

RT: 9.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BM012519.D

Acq: 28 Oct 2017 11:26

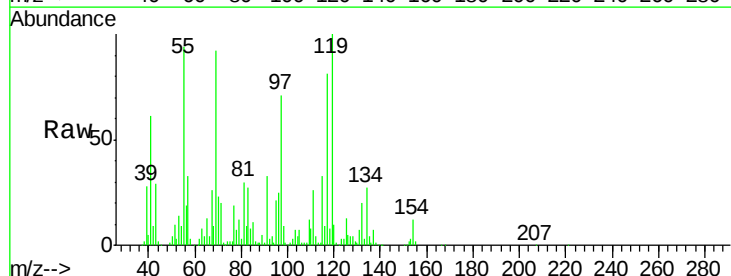
Tgt Ion: 77 Resp: 119111

Ion Ratio Lower Upper

77 100

123 16.5 31.0 46.6#

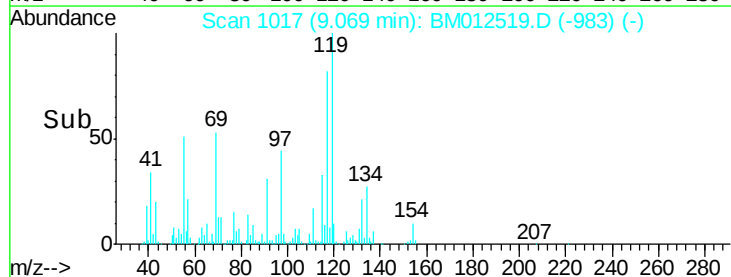
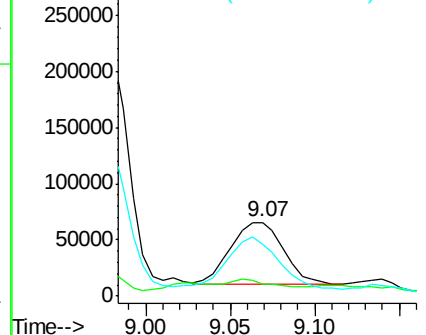
65 69.6 12.2 18.2#

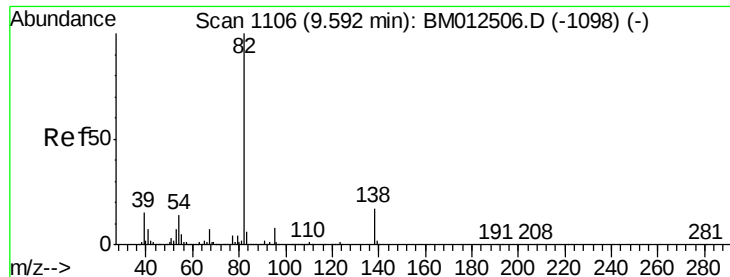


Abundance Ion 77.00 (76.70 to 77.70): BMC

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BMC





#21

Isophorone

Concen: 3.22 ng/ul

RT: 9.59 min Scan# 1106

Delta R.T. 0.00 min

Lab File: BM012519.D

Acq: 28 Oct 2017 11:26

Instrument :

BNA_M

ClientSampleId :

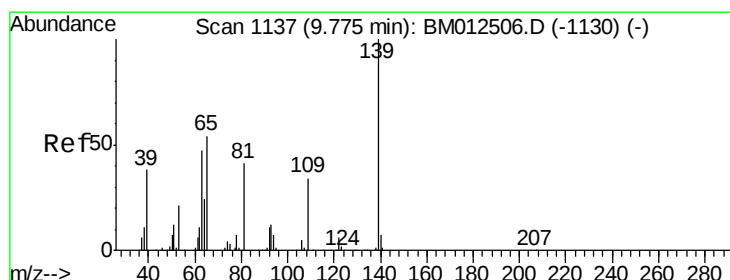
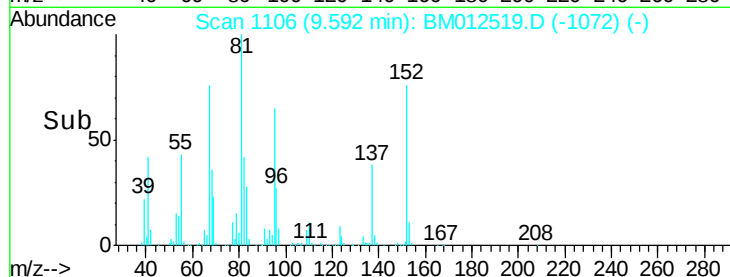
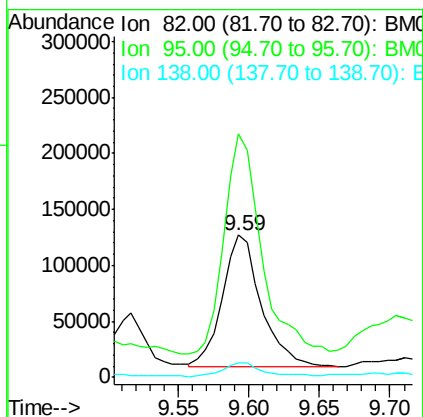
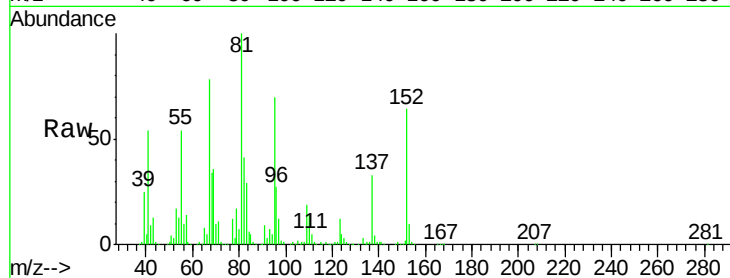
Tot Ion: 82 Resp: 223954

Ion Ratio Lower Upper

82 100

95 171.1 7.8 11.8#

138 10.0 11.9 17.9#



#23

2-Nitrophenol

Concen: 1.12 ng/ul

RT: 9.80 min Scan# 1142

Delta R.T. 0.03 min

Lab File: BM012519.D

Acq: 28 Oct 2017 11:26

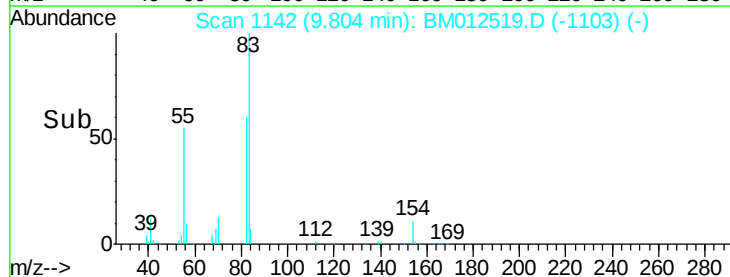
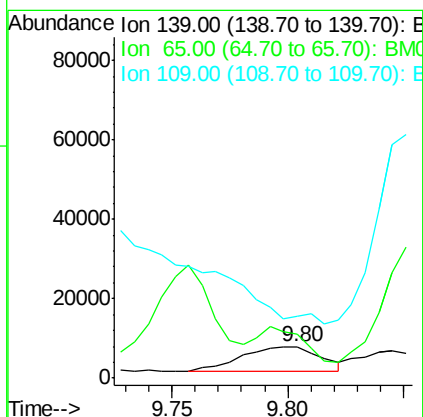
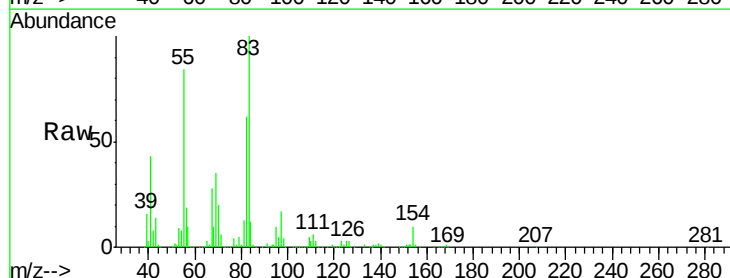
Tgt Ion: 139 Resp: 14629

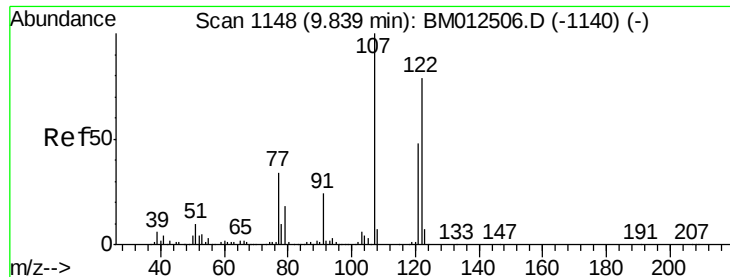
Ion Ratio Lower Upper

139 100

65 136.7 55.4 83.0#

109 196.5 42.2 63.2#





#24

2,4-Dimethylphenol

Concen: 2.62 ng/ul

RT: 9.89 min Scan# 1156

Delta R.T. 0.05 min

Lab File: BM012519.D

Acq: 28 Oct 2017 11:26

Instrument :

BNA_M

ClientSampleId :

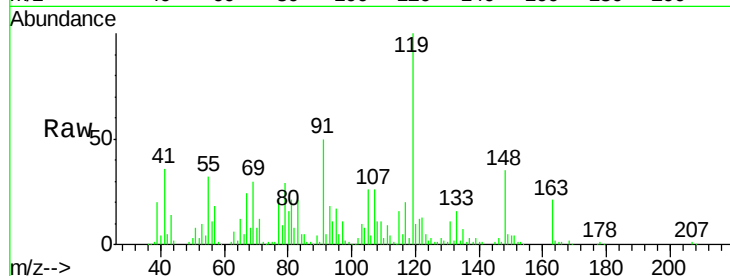
Tot Ion:107 Resp: 96198

Ion Ratio Lower Upper

107 100

121 44.0 31.9 47.9

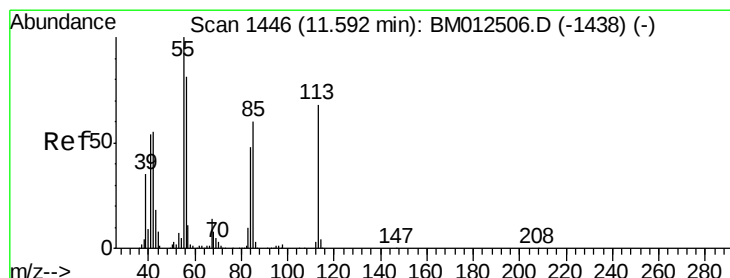
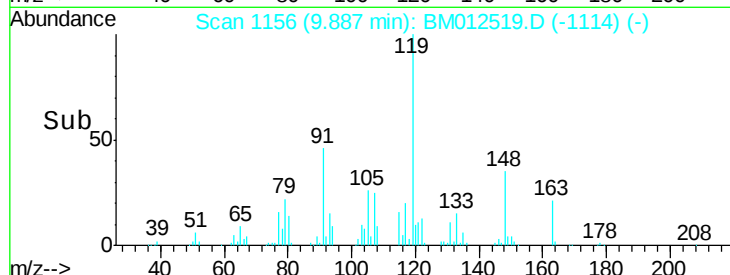
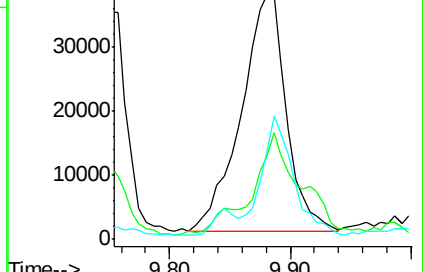
122 50.5 57.8 86.6#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#32

Caprolactam

Concen: 4.13 ng/ul

RT: 11.69 min Scan# 1463

Delta R.T. 0.10 min

Lab File: BM012519.D

Acq: 28 Oct 2017 11:26

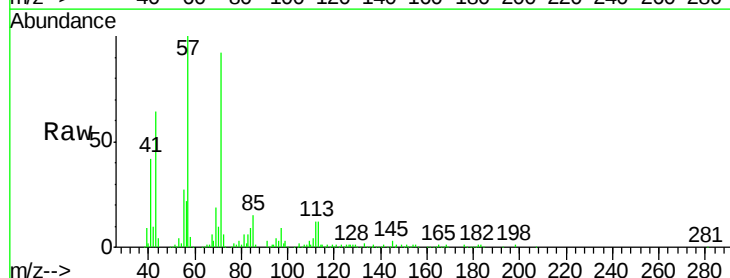
Tgt Ion:113 Resp: 40684

Ion Ratio Lower Upper

113 100

55 216.7 208.0 312.0

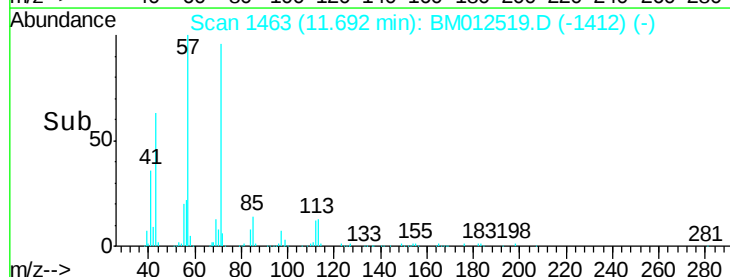
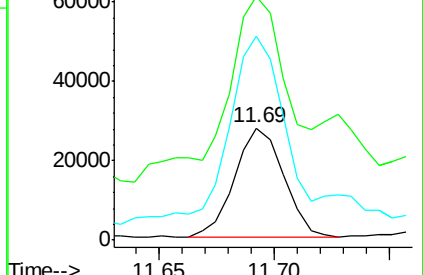
56 181.4 160.0 240.0

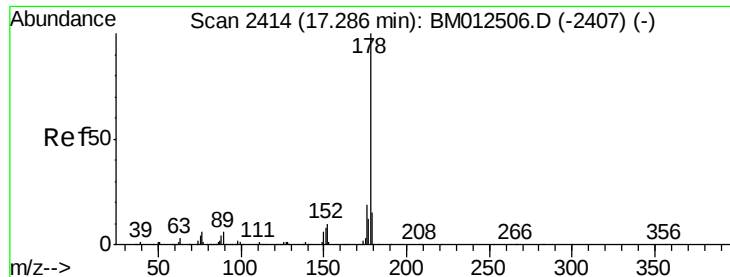


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0





#69

Phenanthrene

Concen: 1.65 ng/ul

RT: 17.29 min Scan# 2414

Delta R.T. 0.00 min

Lab File: BM012519.D

Acq: 28 Oct 2017 11:26

Instrument :

BNA_M

ClientSampleId :

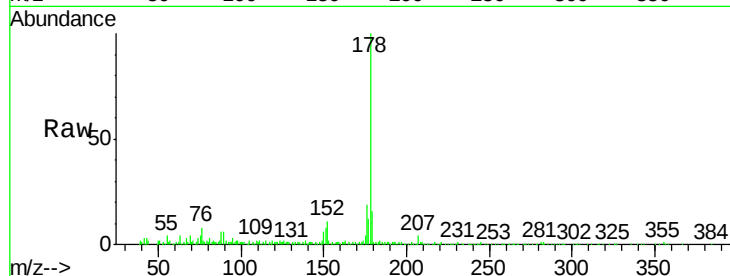
Tot Ion:178 Resp: 204647

Ion Ratio Lower Upper

178 100

179 16.2 12.6 19.0

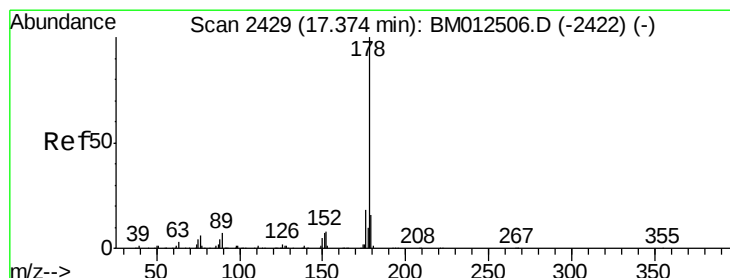
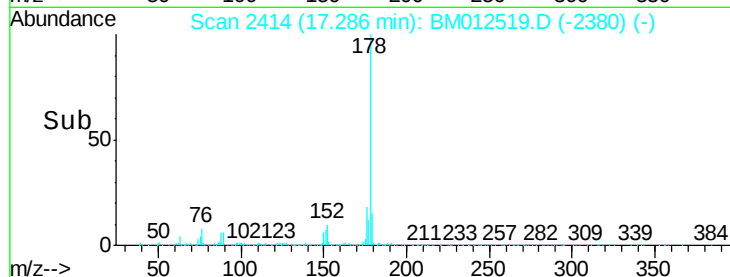
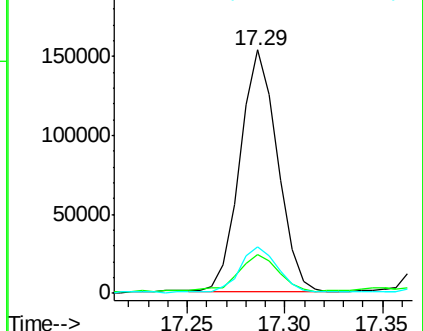
176 19.0 14.9 22.3



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: 1.60 ng/ul

RT: 17.29 min Scan# 2414

Delta R.T. -0.09 min

Lab File: BM012519.D

Acq: 28 Oct 2017 11:26

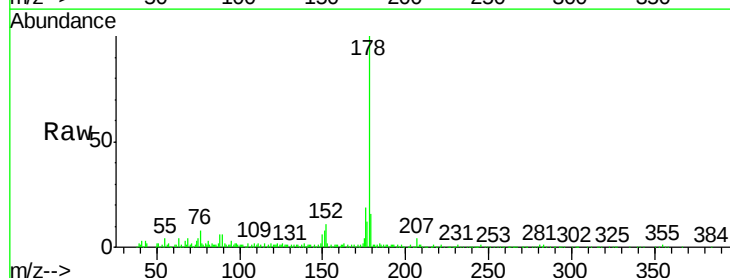
Tgt Ion:178 Resp: 204647

Ion Ratio Lower Upper

178 100

179 16.2 11.7 17.5

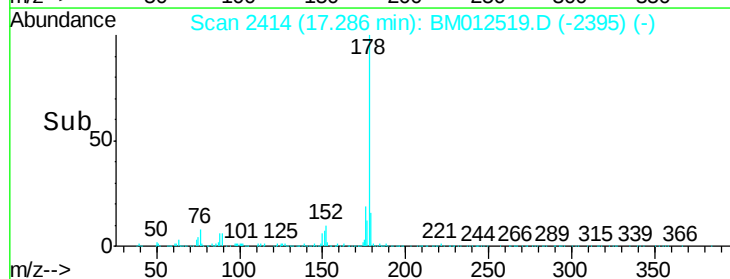
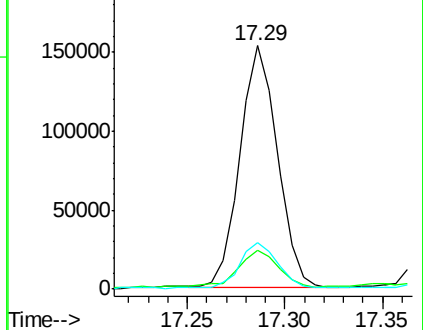
176 19.0 14.6 21.8

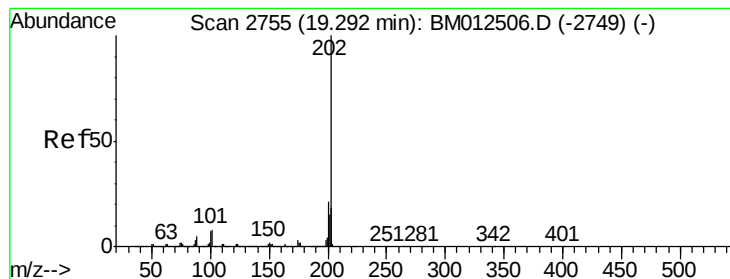


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 2.77 ng/ul

RT: 19.30 min Scan# 2756

Delta R.T. 0.01 min

Lab File: BM012519.D

Acq: 28 Oct 2017 11:26

Instrument :

BNA_M

ClientSampleId :

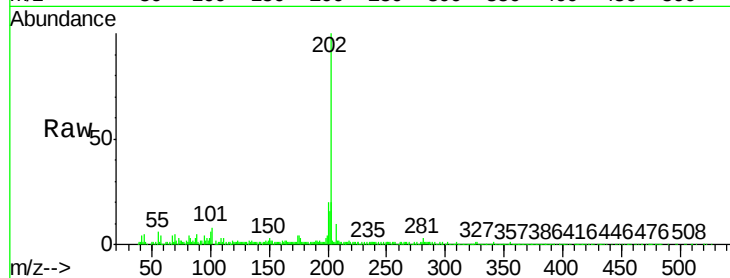
Tot Ion:202 Resp: 389003

Ion Ratio Lower Upper

202 100

101 8.4 4.6 7.0#

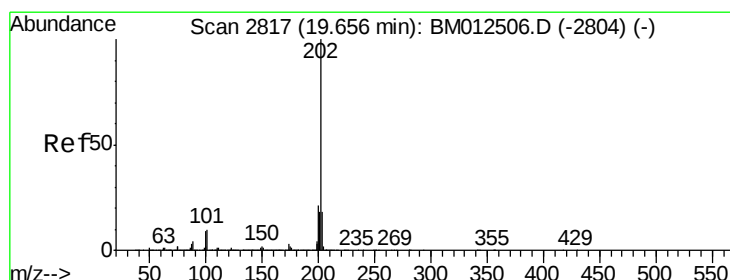
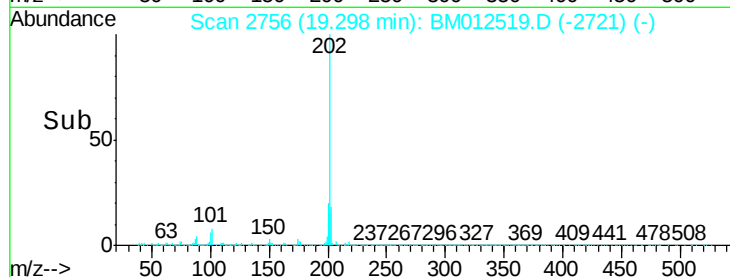
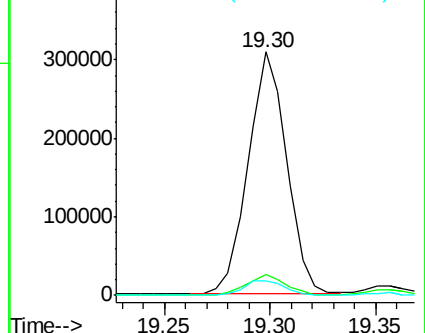
100 6.2 3.4 5.2#



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



#77

Pyrene

Concen: 2.46 ng/ul

RT: 19.66 min Scan# 2818

Delta R.T. 0.01 min

Lab File: BM012519.D

Acq: 28 Oct 2017 11:26

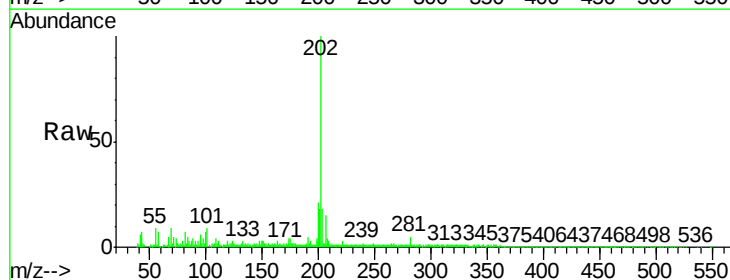
Tgt Ion:202 Resp: 372107

Ion Ratio Lower Upper

202 100

101 8.5 5.1 7.7#

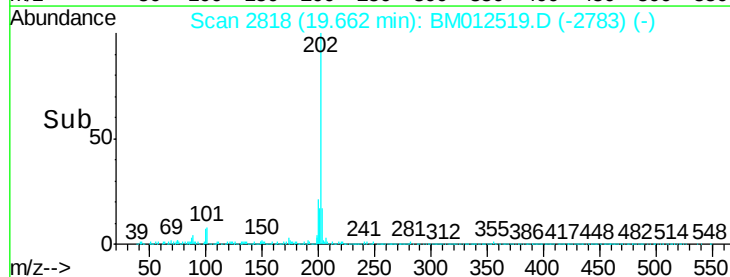
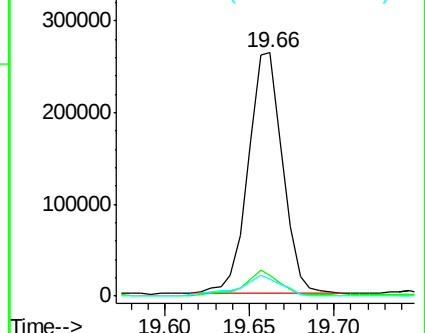
100 7.2 4.9 7.3

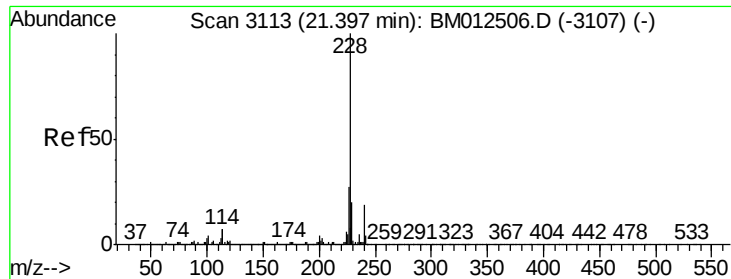


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 1.46 ng/ul

RT: 21.40 min Scan# 3114

Delta R.T. 0.01 min

Lab File: BM012519.D

Acq: 28 Oct 2017 11:26

Instrument :

BNA_M

ClientSampleId :

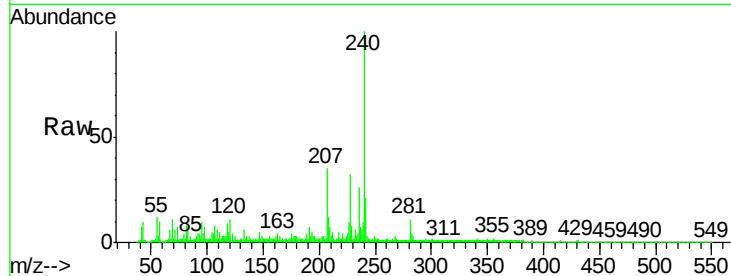
Tot Ion:228 Resp: 233114

Ion Ratio Lower Upper

228 100

229 25.2 15.4 23.0#

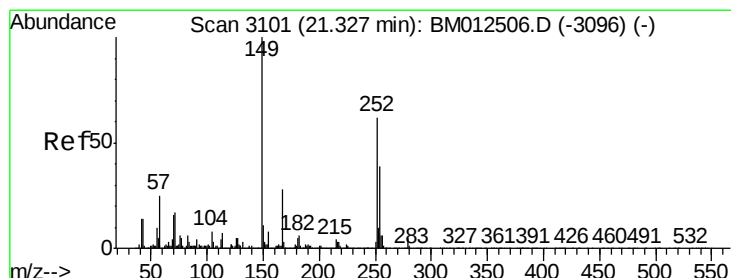
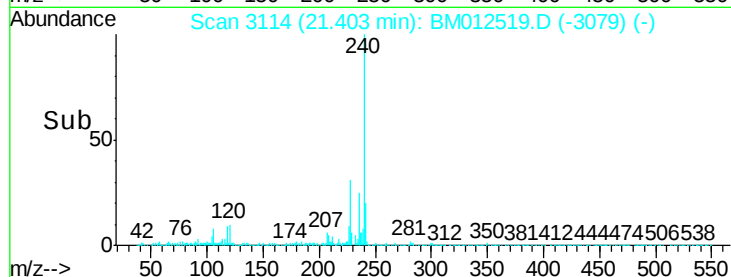
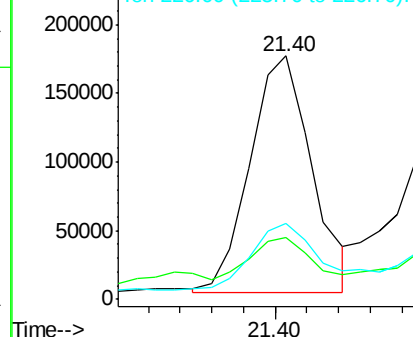
226 31.0 21.4 32.0



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



#81

Bis(2-ethylhexyl)phthalate

Concen: 1.84 ng/ul

RT: 21.33 min Scan# 3101

Delta R.T. 0.00 min

Lab File: BM012519.D

Acq: 28 Oct 2017 11:26

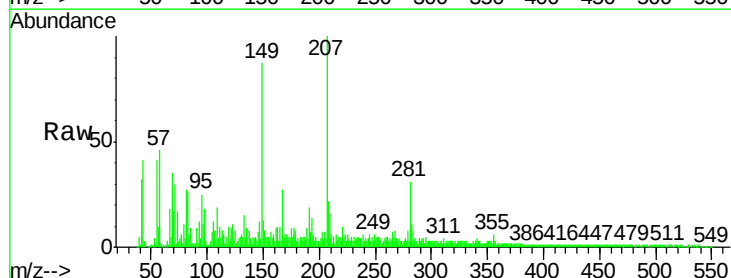
Tgt Ion:149 Resp: 166585

Ion Ratio Lower Upper

149 100

167 31.7 22.8 34.2

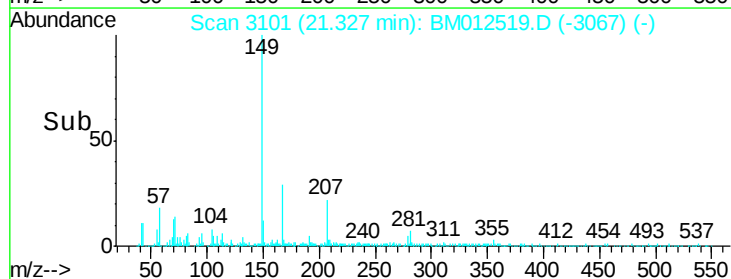
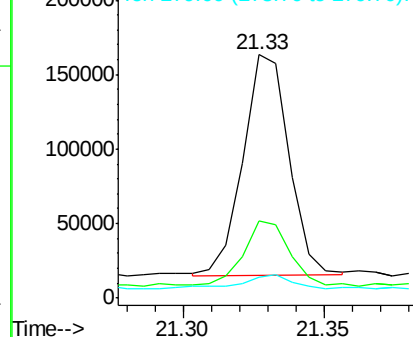
279 8.8 4.9 7.3#

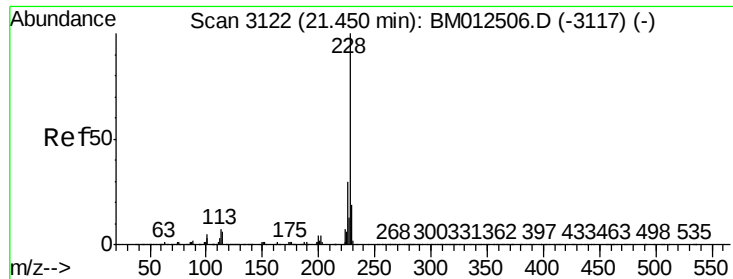


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 1.57 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM012519.D

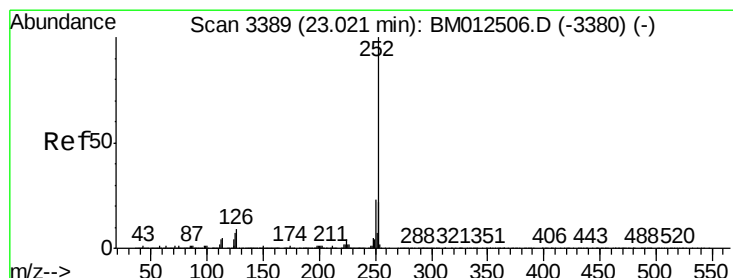
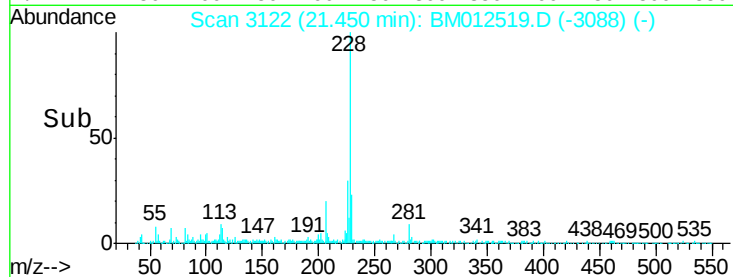
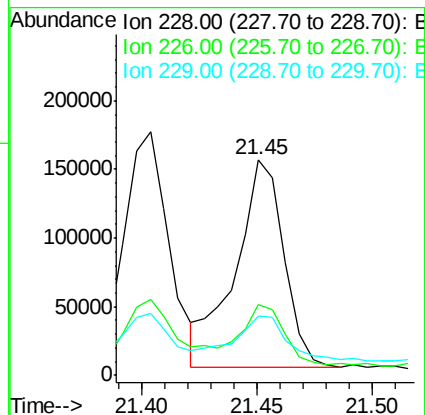
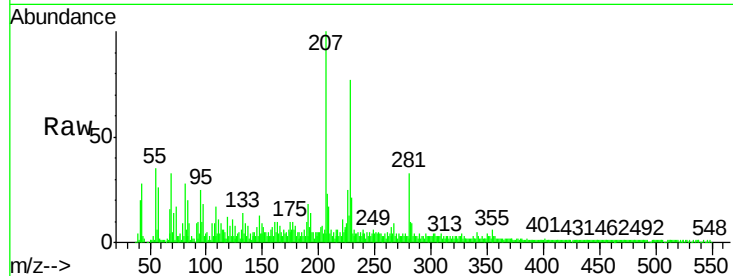
Acq: 28 Oct 2017 11:26

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	228	Resp:	222553
Ion	Ratio	Lower	Upper
228	100		
226	32.7	23.4	35.2
229	27.5	15.5	23.3#



#85

Benzo(b)fluoranthene

Concen: 1.79 ng/ul

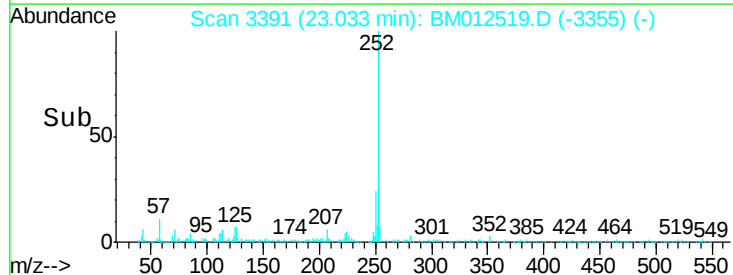
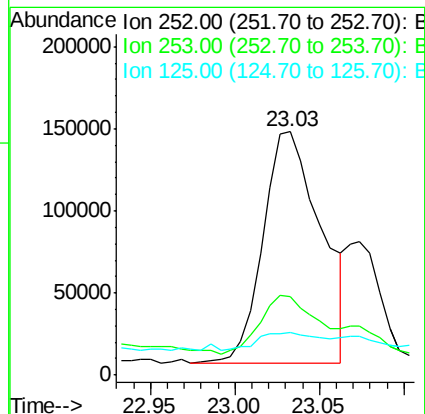
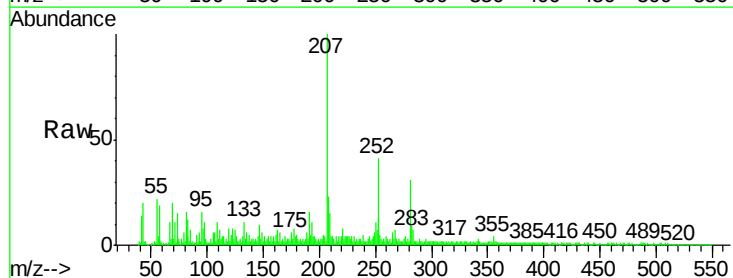
RT: 23.03 min Scan# 3391

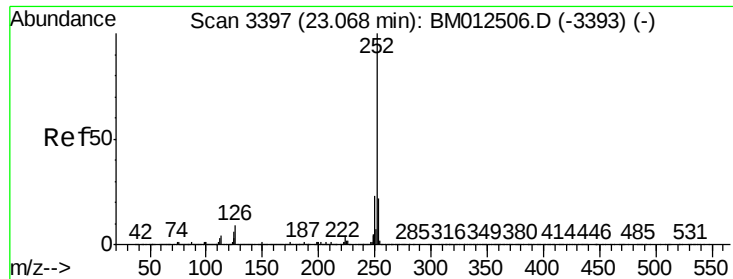
Delta R.T. 0.01 min

Lab File: BM012519.D

Acq: 28 Oct 2017 11:26

Tgt Ion:	252	Resp:	334185
Ion	Ratio	Lower	Upper
252	100		
253	32.3	17.9	26.9#
125	17.5	3.6	5.4#

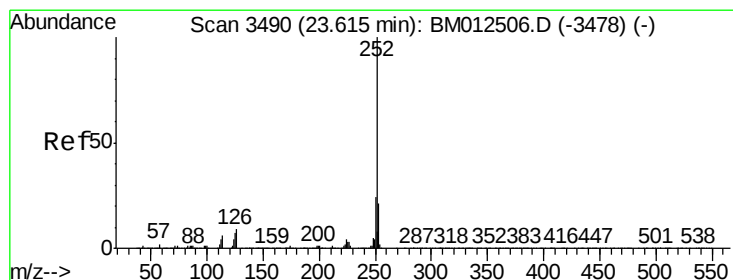
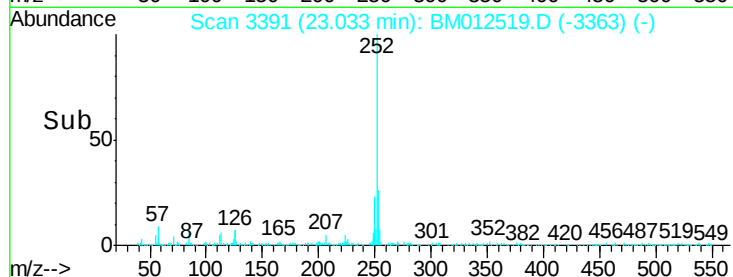
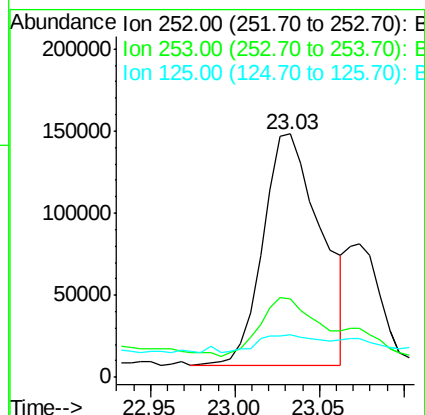
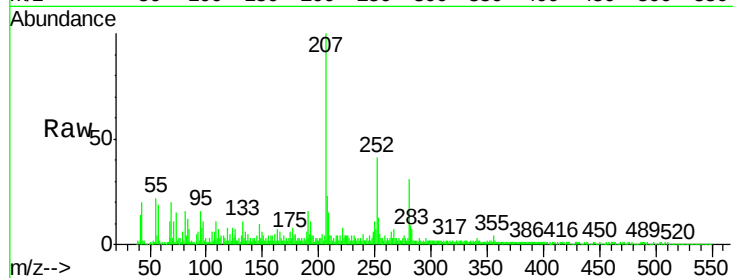




#86
Benzo(k)fluoranthene
Concen: 1.90 ng/ul
RT: 23.03 min Scan# 3391
Delta R.T. -0.04 min
Lab File: BM012519.D
Acq: 28 Oct 2017 11:26

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.3	17.1	25.7#
125	17.5	3.4	5.2#



#88
Benzo(a)pyrene
Concen: 1.37 ng/ul
RT: 23.62 min Scan# 3491
Delta R.T. 0.01 min
Lab File: BM012519.D
Acq: 28 Oct 2017 11:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.0	18.2	27.2#
125	20.6	4.0	6.0#

