

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
 Data File : BM012510.D
 Acq On : 28 Oct 2017 06:04
 Operator : SJ/JU
 Sample : I5719-12 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 30 05:35:08 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	492187	20.00	ng/ul	0.00
18) Naphthalene-d8	10.66	136	1781867	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.50	164	973798	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.24	188	2151158	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	2523173	20.00	ng/ul	0.00
83) Perylene-d12	23.72	264	2889079	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	13528	1.40	ng/uL	0.00
5) Phenol-d5	7.04	99	219383	5.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.20	67	138924	5.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.40	132	182058	5.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.57	113	179615	5.11	ng/ul	0.00
19) Nitrobenzene-d5	9.02	128	82926	7.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.75	143	89013	7.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.29	165	174557	5.73	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	128007	3.99	ng/ul	0.00
43) Dimethylphthalate-d6	13.90	166	509039	5.98	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	615255	6.11	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	58753	4.65	ng/ul	0.00
57) Fluorene-d10	15.49	176	433026	6.01	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	41873	4.02	ng/ul	0.00
70) Anthracene-d10	17.34	188	673918	6.57	ng/ul	0.00
76) Pyrene-d10	19.63	212	748248	6.46	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.57	264	848853	6.18	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	7.06	94	44896	1.05	ng/ul#	84
14) Acetophenone	8.67	105	74029	1.34	ng/ul#	37
17) Hexachloroethane	8.97	117	33580	2.51	ng/ul#	1
28) Naphthalene	10.71	128	357837	4.05	ng/ul	99
30) 4-Chloroaniline	10.71	127	49134	1.52	ng/ul#	26
34) 2-Methylnaphthalene	12.32	142	130914	1.82	ng/ul	99
44) Dimethylphthalate	13.95	163	274953	3.27	ng/ul	98
49) Acenaphthene	14.56	153	213055	3.24	ng/ul	95
53) Dibenzofuran	14.90	168	346833	3.56	ng/ul	96
58) Fluorene	15.54	166	310918	3.78	ng/ul	95
69) Phenanthrene	17.29	178	5064631	43.54	ng/ul	99
71) Anthracene	17.37	178	1332459	11.08	ng/ul	99
72) Carbazole	17.64	167	317265	3.19	ng/ul	99
74) Fluoranthene	19.30	202	7026491	53.31	ng/ul#	92
77) Pyrene	19.66	202	6375334	44.43	ng/ul#	90
80) Benzo(a)anthracene	21.40	228	3569933	23.63	ng/ul	97
82) Chrysene	21.45	228	3143321	23.40	ng/ul	97
85) Benzo(b)fluoranthene	23.03	252	4629718	25.92	ng/ul#	97
86) Benzo(k)fluoranthene	23.03	252	4629718	27.54	ng/ul#	95
88) Benzo(a)pyrene	23.62	252	3302524	19.39	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	26.06	276	2521815	12.58	ng/ul	97
90) Dibenzo(a,h)anthracene	26.07	278	668047	3.93	ng/ul#	85
91) Benzo(g,h,i)perylene	26.78	276	2087442	12.85	ng/ul#	96

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Response via : Initial Calibration

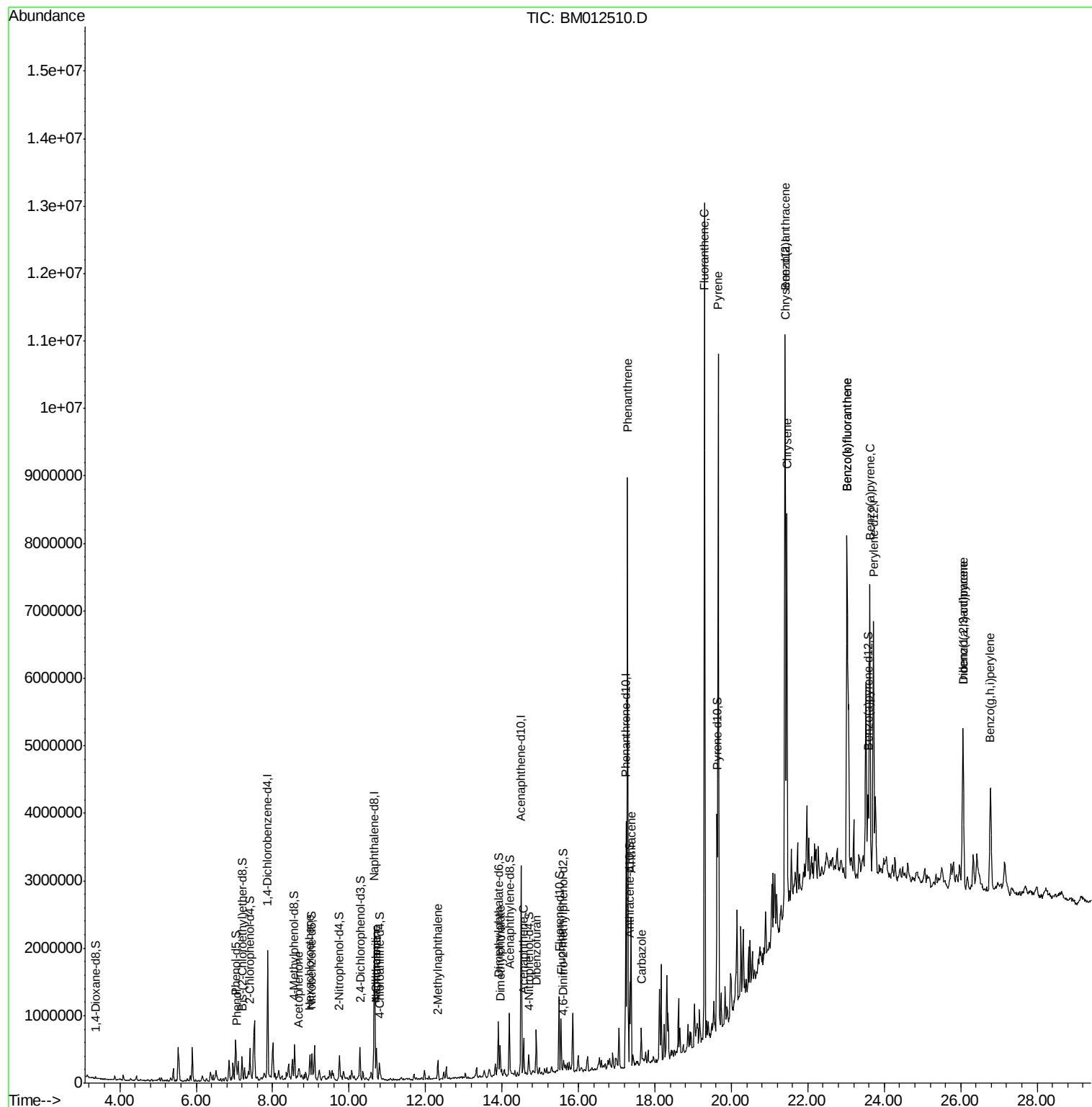
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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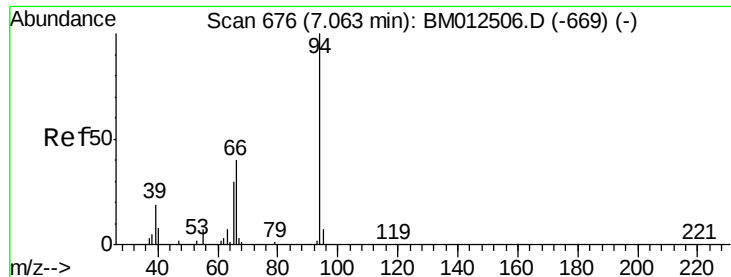
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.05 ng/ul

RT: 7.06 min Scan# 676

Delta R.T. 0.00 min

Lab File: BM012510.D

Acq: 28 Oct 2017 06:04

Instrument :

BNA_M

ClientSampleId :

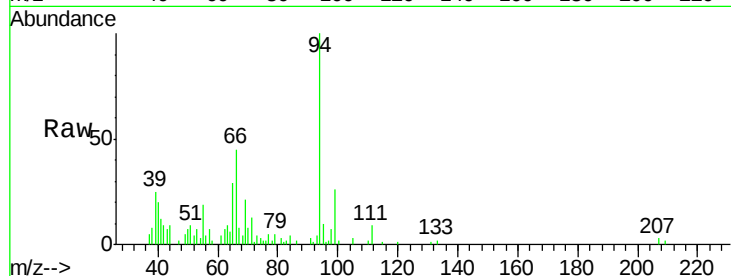
Tot Ion: 94 Resp: 44896

Ion Ratio Lower Upper

94 100

65 29.1 28.2 42.4

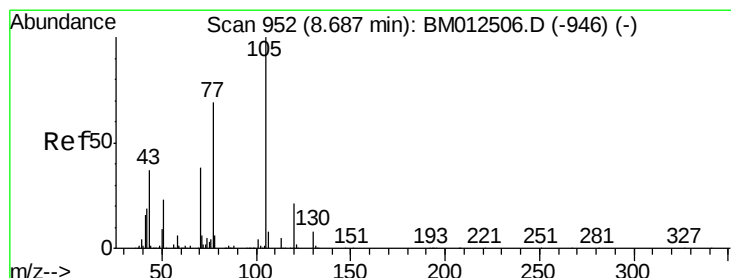
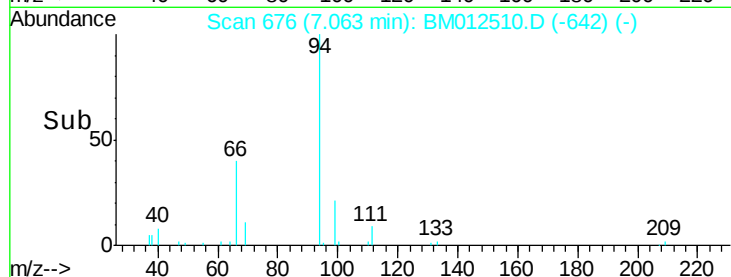
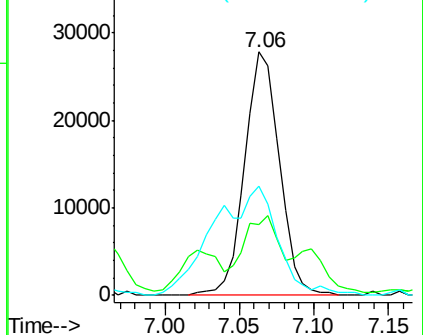
66 45.1 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM012510.D (-642) (-)

Ion 65.00 (64.70 to 65.70): BM012510.D (-642) (-)

Ion 66.00 (65.70 to 66.70): BM012510.D (-642) (-)



#14

Acetophenone

Concen: 1.34 ng/ul

RT: 8.67 min Scan# 950

Delta R.T. -0.01 min

Lab File: BM012510.D

Acq: 28 Oct 2017 06:04

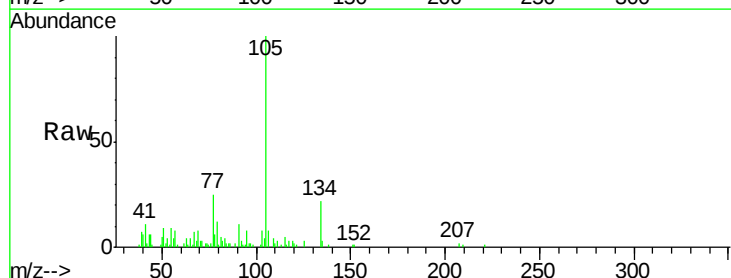
Tgt Ion: 105 Resp: 74029

Ion Ratio Lower Upper

105 100

77 24.7 74.2 111.4#

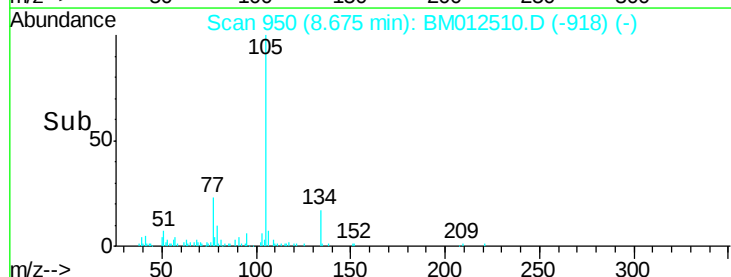
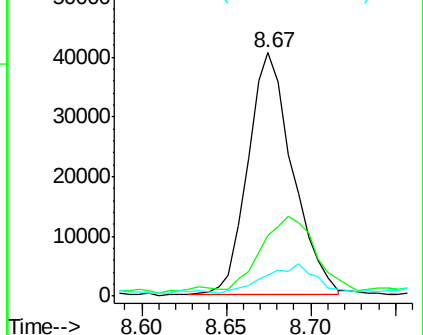
51 8.6 23.4 35.2#

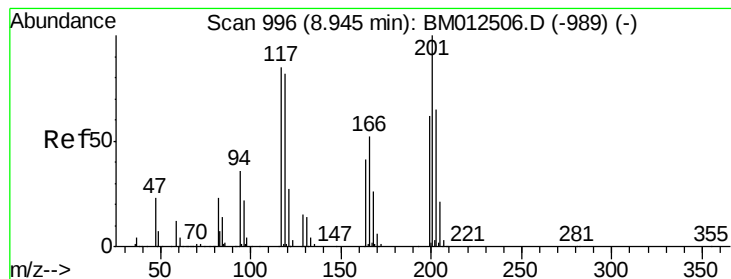


Abundance Ion 105.00 (104.70 to 105.70): BM012510.D (-918) (-)

Ion 77.00 (76.70 to 77.70): BM012510.D (-918) (-)

Ion 51.00 (50.70 to 51.70): BM012510.D (-918) (-)





#17

Hexachloroethane

Concen: 2.51 ng/ul

RT: 8.97 min Scan# 1001

Delta R.T. 0.03 min

Lab File: BM012510.D

Acq: 28 Oct 2017 06:04

Instrument :

BNA_M

ClientSampleId :

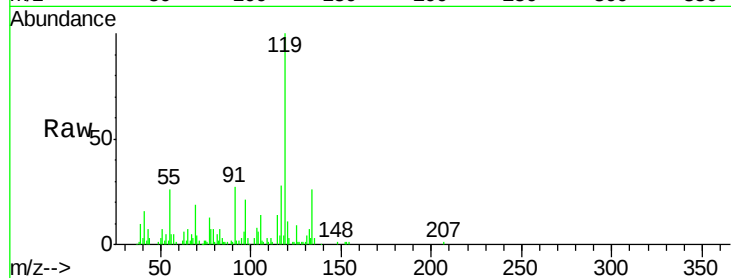
Tot Ion:117 Resp: 33580

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

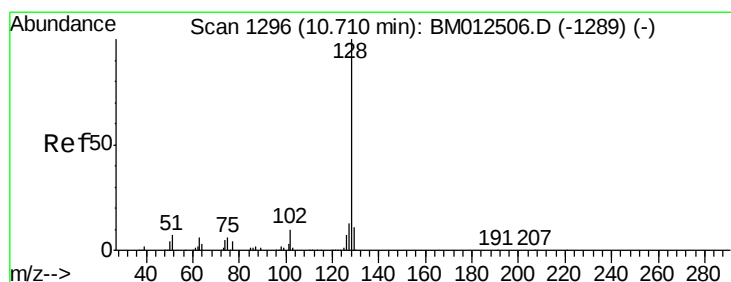
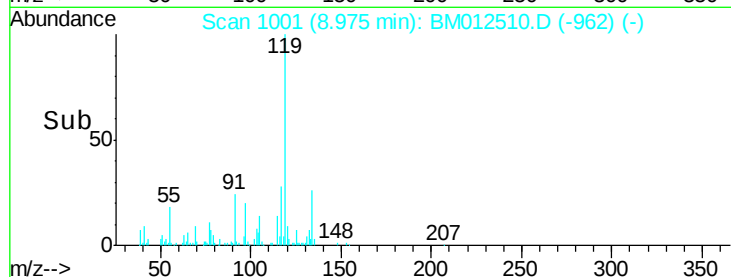
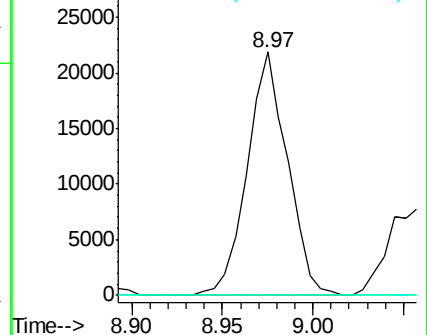
199 0.0 67.8 101.6#



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



#28

Naphthalene

Concen: 4.05 ng/ul

RT: 10.71 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BM012510.D

Acq: 28 Oct 2017 06:04

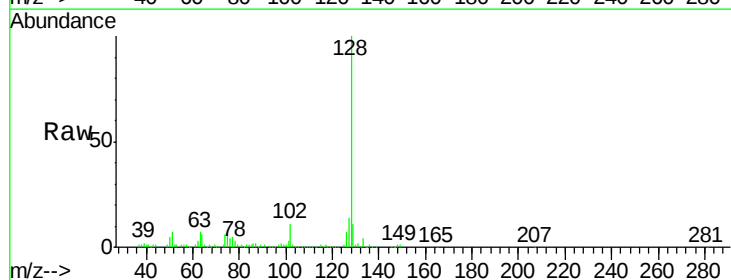
Tgt Ion:128 Resp: 357837

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

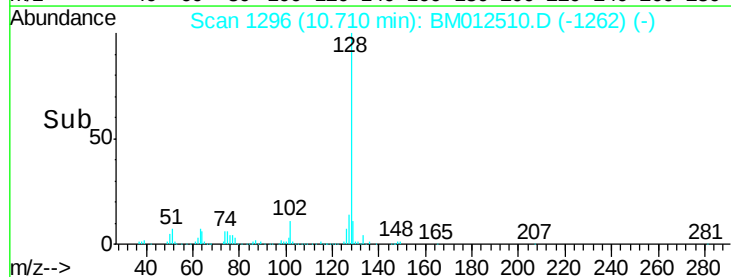
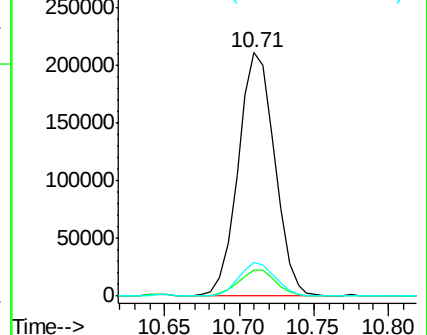
127 13.9 10.6 16.0

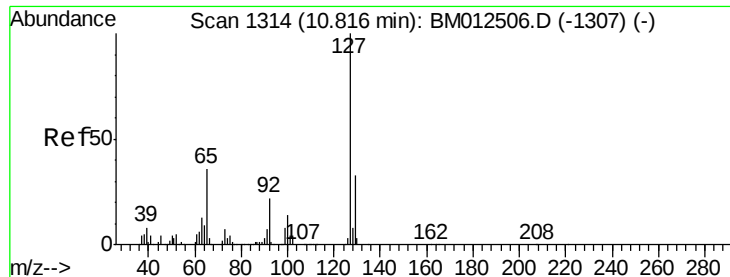


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

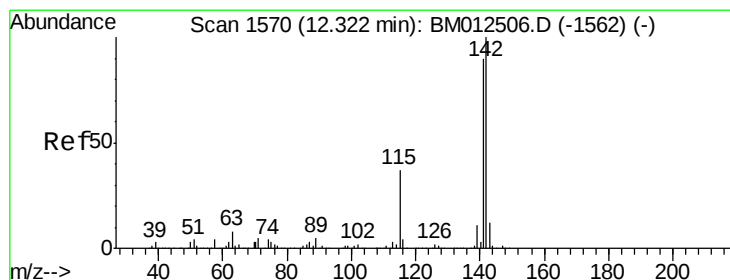
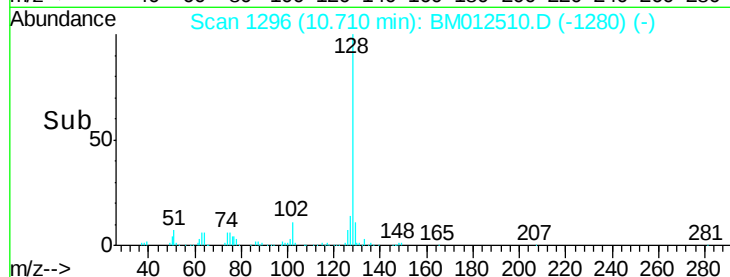
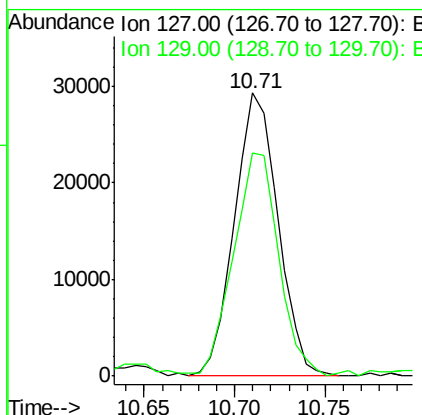
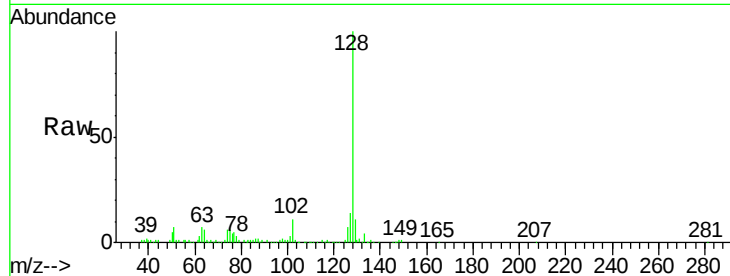




#30
4-Chloroaniline
Concen: 1.52 ng/ul
RT: 10.71 min Scan# 1296
Delta R.T. -0.11 min
Lab File: BM012510.D
Acq: 28 Oct 2017 06:04

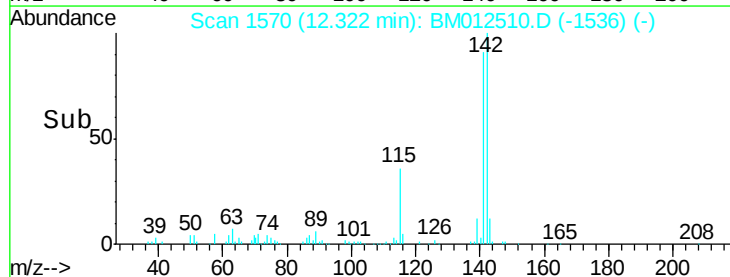
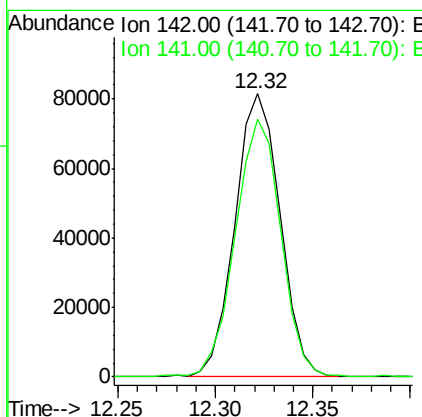
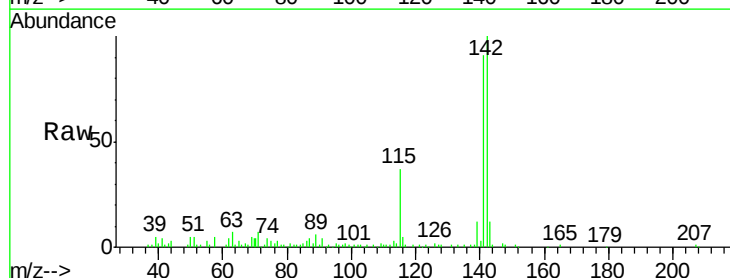
Instrument :
BNA_M
ClientSampleId :

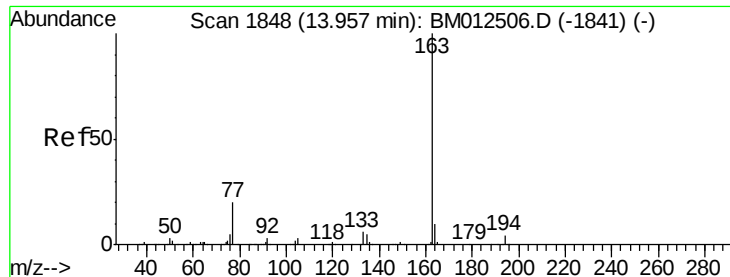
Tot Ion:127 Resp: 49134
Ion Ratio Lower Upper
127 100
129 78.7 28.4 42.6#



#34
2-Methylnaphthalene
Concen: 1.82 ng/ul
RT: 12.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BM012510.D
Acq: 28 Oct 2017 06:04

Tgt Ion:142 Resp: 130914
Ion Ratio Lower Upper
142 100
141 91.2 74.1 111.1

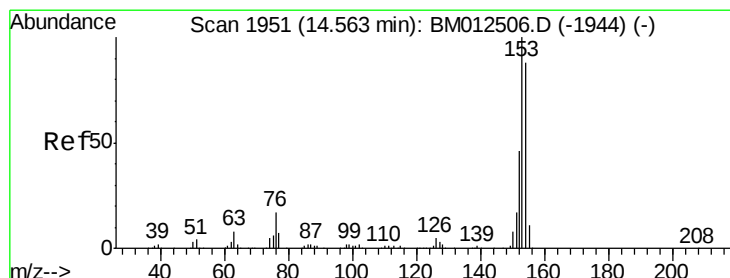
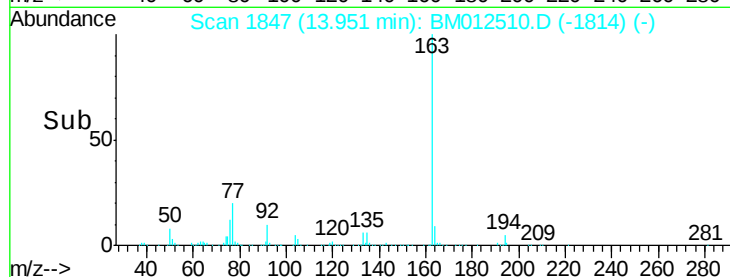
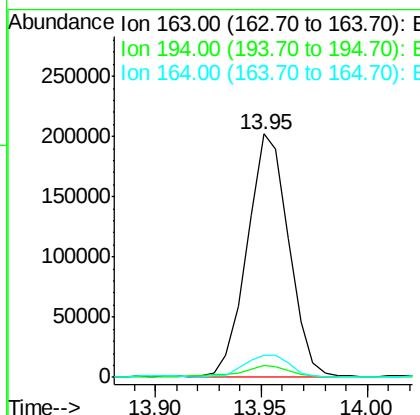
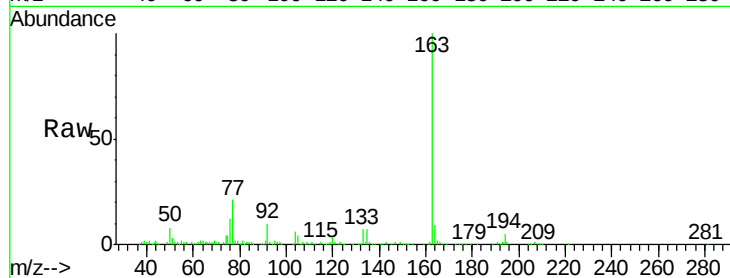




#44
Dimethylphthalate
Concen: 3.27 ng/ul
RT: 13.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BM012510.D
Acq: 28 Oct 2017 06:04

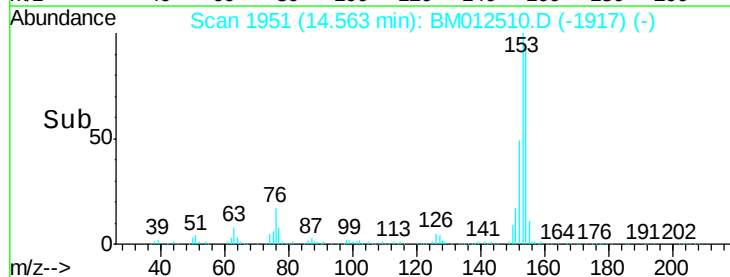
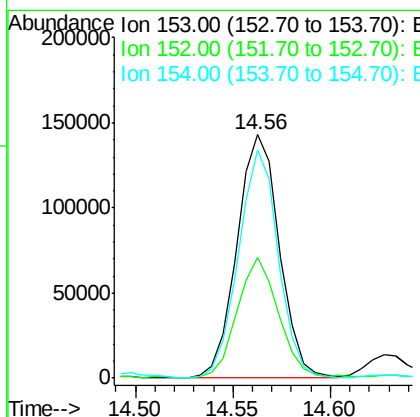
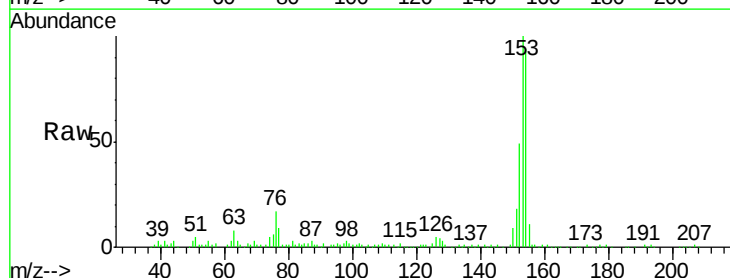
Instrument :
BNA_M
ClientSampleId :

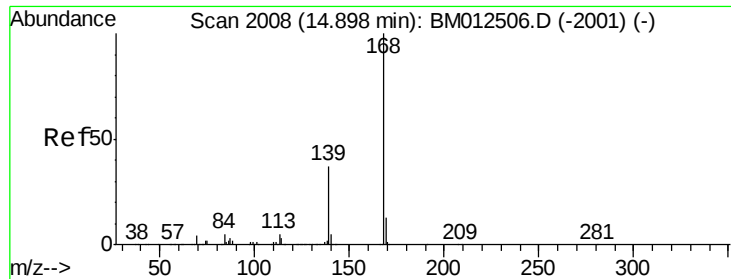
Tot Ion:163 Resp: 274953
Ion Ratio Lower Upper
163 100
194 4.9 3.5 5.3
164 9.3 8.2 12.4



#49
Acenaphthene
Concen: 3.24 ng/ul
RT: 14.56 min Scan# 1951
Delta R.T. 0.00 min
Lab File: BM012510.D
Acq: 28 Oct 2017 06:04

Tgt Ion:153 Resp: 213055
Ion Ratio Lower Upper
153 100
152 49.5 37.6 56.4
154 93.9 70.4 105.6

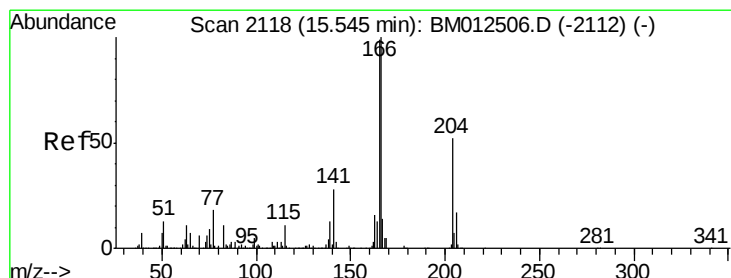
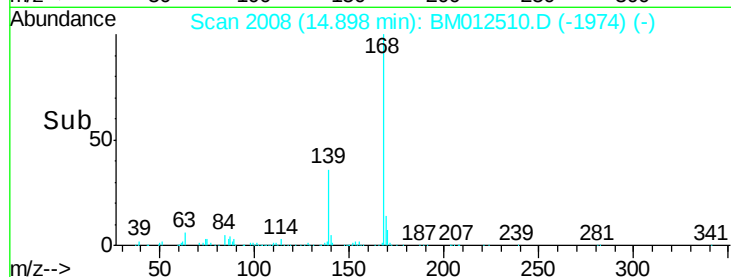
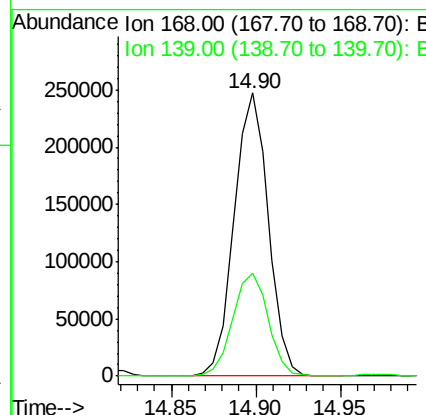
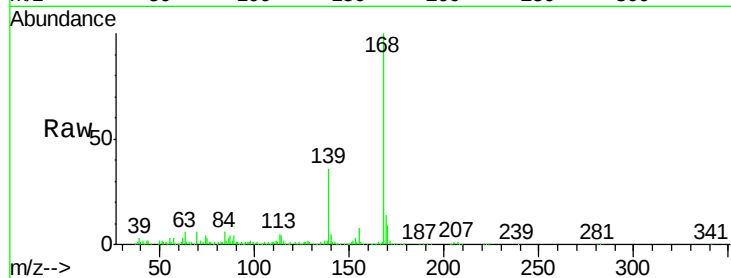




#53
Dibenzenofuran
Concen: 3.56 ng/ul
RT: 14.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BM012510.D
Acq: 28 Oct 2017 06:04

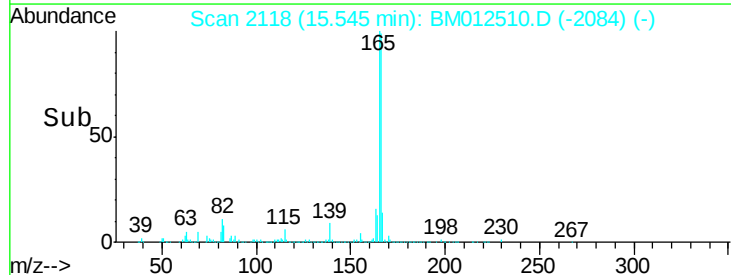
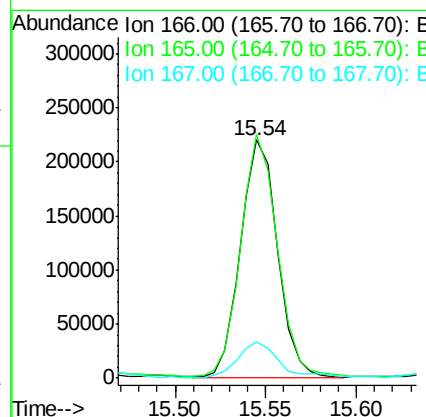
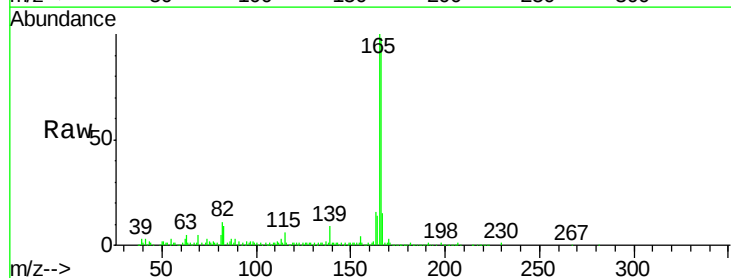
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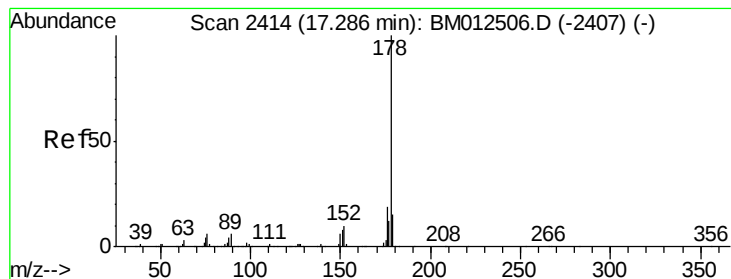
Tot Ion:168 Resp: 346833
Ion Ratio Lower Upper
168 100
139 36.3 30.8 46.2



#58
Fluorene
Concen: 3.78 ng/ul
RT: 15.54 min Scan# 2118
Delta R.T. 0.00 min
Lab File: BM012510.D
Acq: 28 Oct 2017 06:04

Tgt Ion:166 Resp: 310918
Ion Ratio Lower Upper
166 100
165 102.2 77.9 116.9
167 15.0 10.6 16.0





#69

Phenanthrene

Concen: 43.54 ng/ul

RT: 17.29 min Scan# 2414

Delta R.T. 0.00 min

Lab File: BM012510.D

Acq: 28 Oct 2017 06:04

Instrument :

BNA_M

ClientSampled :

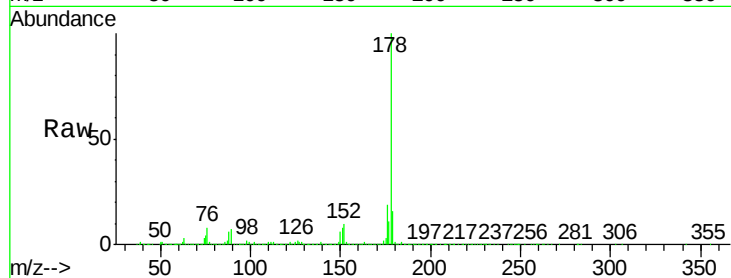
Tot Ion:178 Resp: 5064631

Ion Ratio Lower Upper

178 100

179 15.6 12.6 19.0

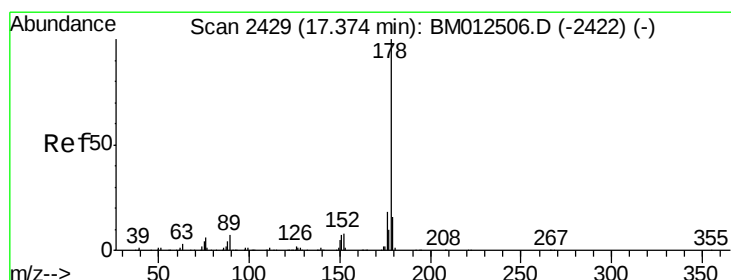
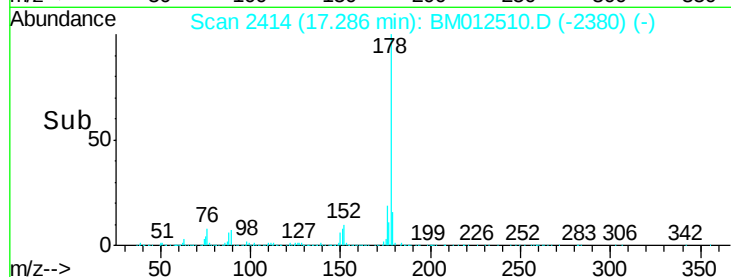
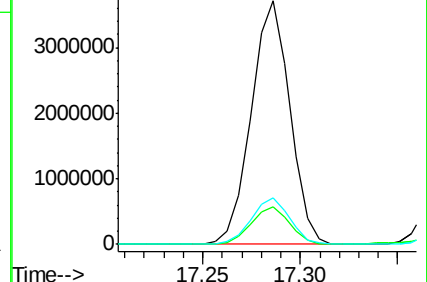
176 19.1 14.9 22.3



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: 11.08 ng/ul

RT: 17.37 min Scan# 2429

Delta R.T. 0.00 min

Lab File: BM012510.D

Acq: 28 Oct 2017 06:04

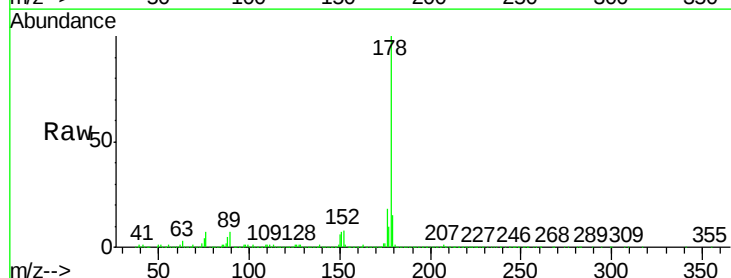
Tgt Ion:178 Resp: 1332459

Ion Ratio Lower Upper

178 100

179 15.4 11.7 17.5

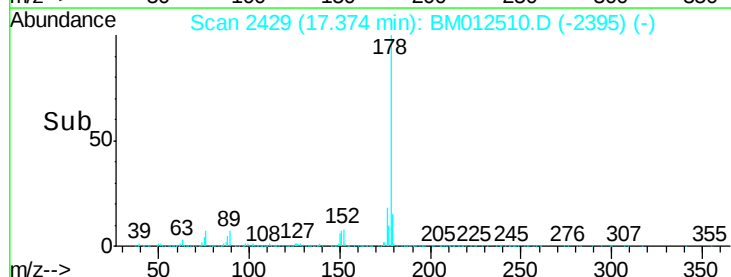
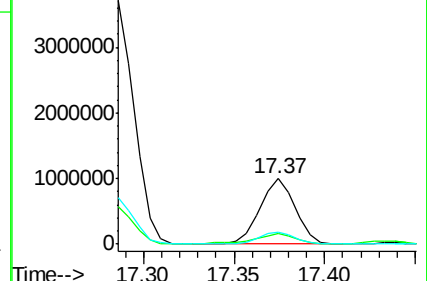
176 18.4 14.6 21.8

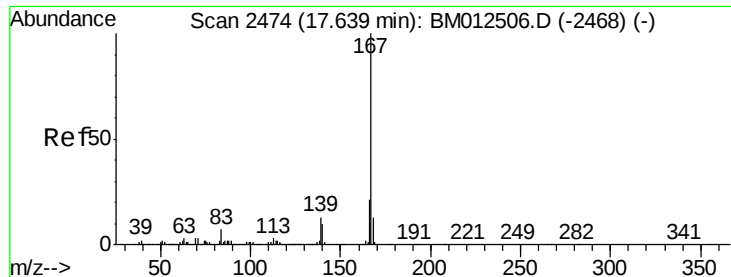


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 3.19 ng/ul

RT: 17.64 min Scan# 2474

Delta R.T. 0.00 min

Lab File: BM012510.D

Acq: 28 Oct 2017 06:04

Instrument :

BNA_M

ClientSampleId :

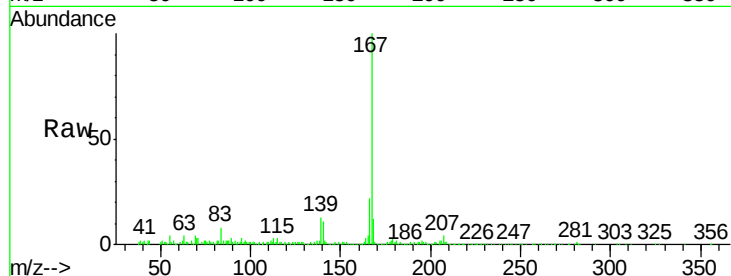
Tot Ion:167 Resp: 317265

Ion Ratio Lower Upper

167 100

166 21.9 17.1 25.7

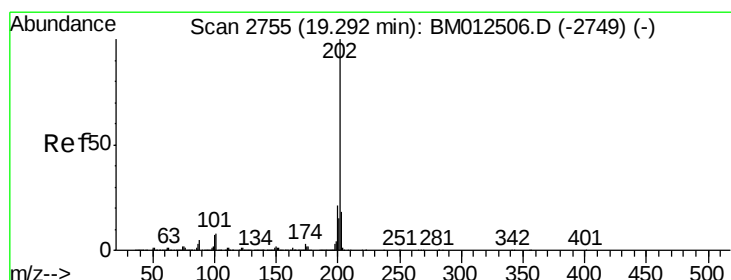
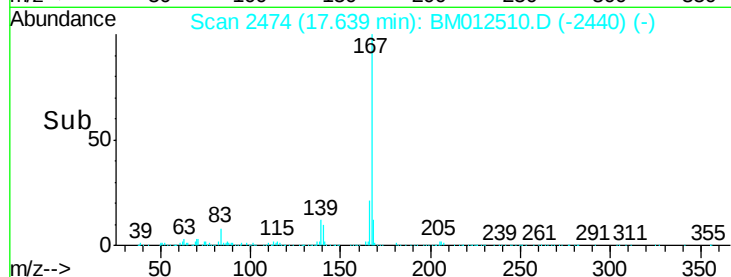
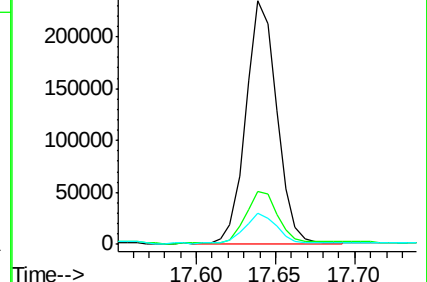
139 12.7 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 53.31 ng/ul

RT: 19.30 min Scan# 2756

Delta R.T. 0.01 min

Lab File: BM012510.D

Acq: 28 Oct 2017 06:04

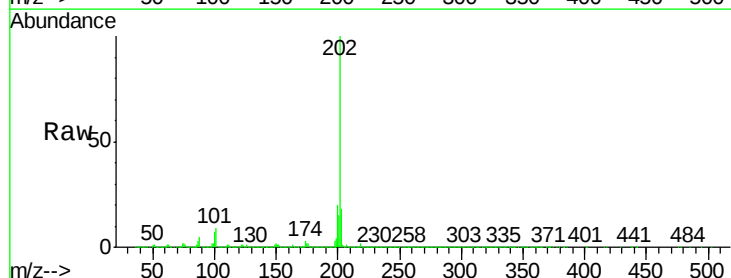
Tgt Ion:202 Resp: 7026491

Ion Ratio Lower Upper

202 100

101 8.6 4.6 7.0#

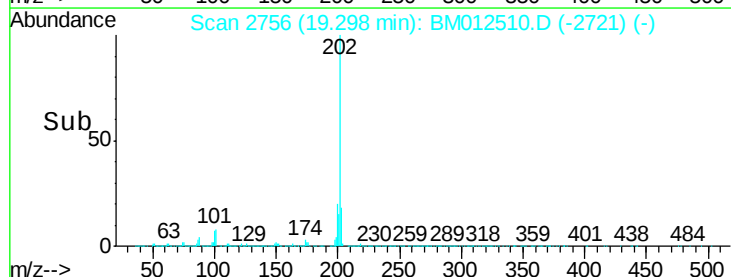
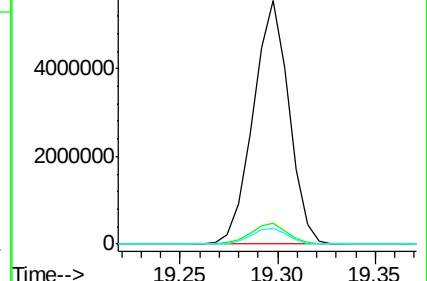
100 6.6 3.4 5.2#

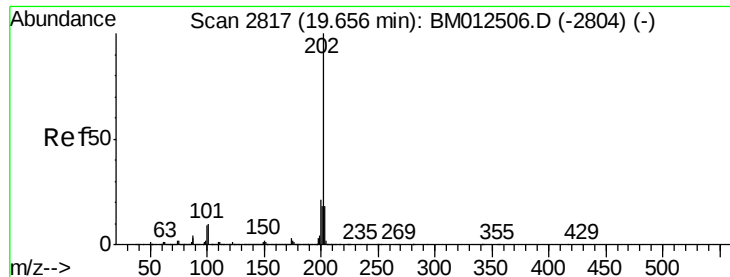


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 44.43 ng/ul

RT: 19.66 min Scan# 2817

Delta R.T. 0.00 min

Lab File: BM012510.D

Acq: 28 Oct 2017 06:04

Instrument :

BNA_M

ClientSampleId :

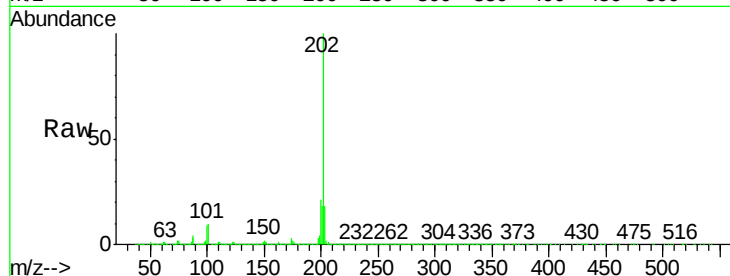
Tot Ion:202 Resp: 6375334

Ion Ratio Lower Upper

202 100

101 10.4 5.1 7.7#

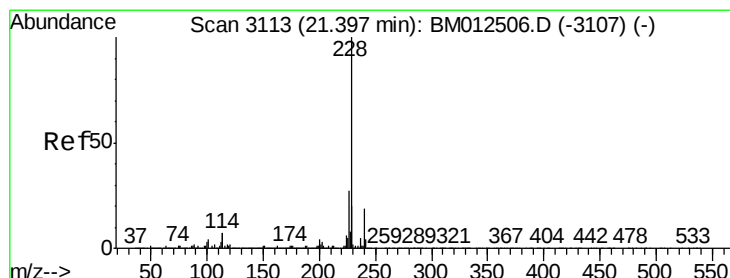
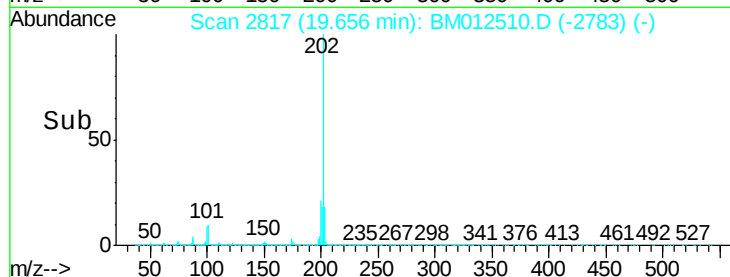
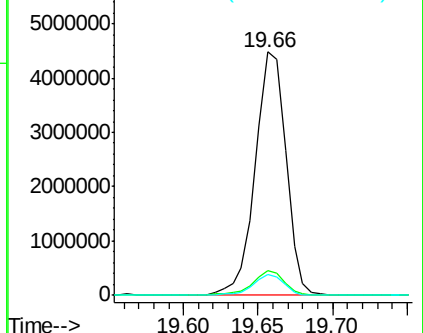
100 8.6 4.9 7.3#



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: 23.63 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. 0.00 min

Lab File: BM012510.D

Acq: 28 Oct 2017 06:04

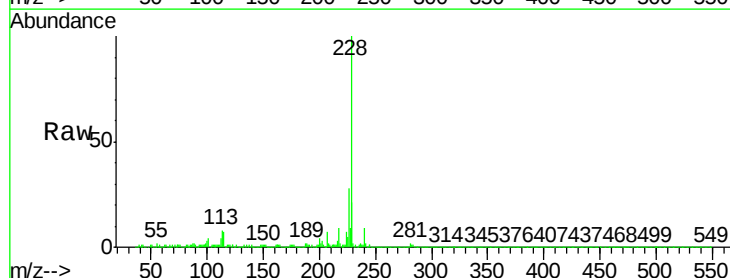
Tgt Ion:228 Resp: 3569933

Ion Ratio Lower Upper

228 100

229 21.1 15.4 23.0

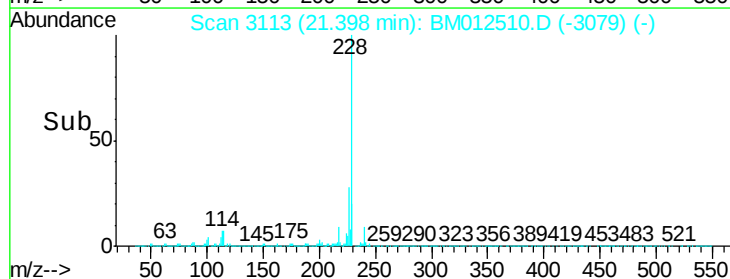
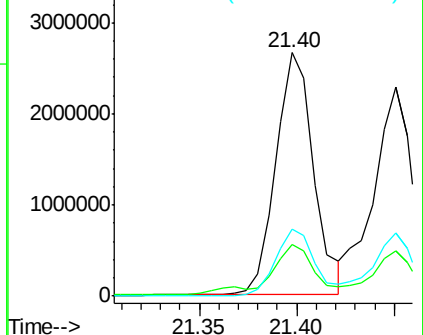
226 27.8 21.4 32.0

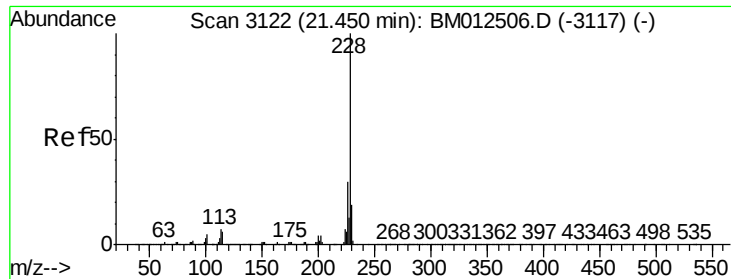


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 23.40 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM012510.D

Acq: 28 Oct 2017 06:04

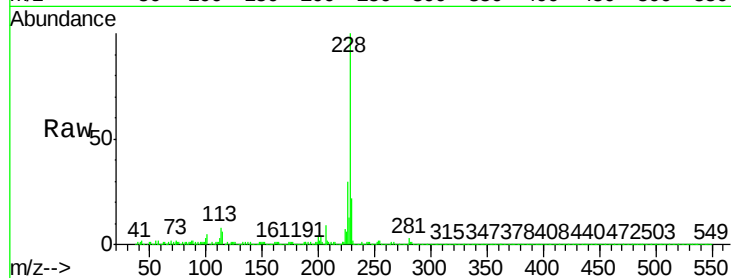
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 3143321

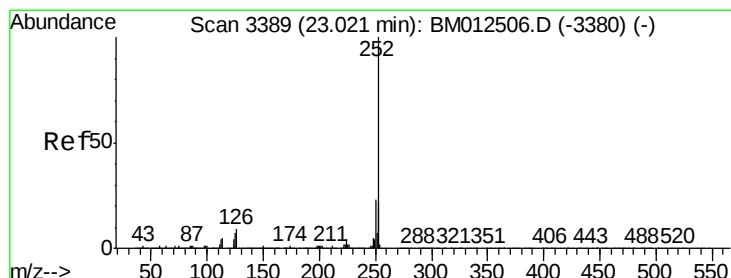
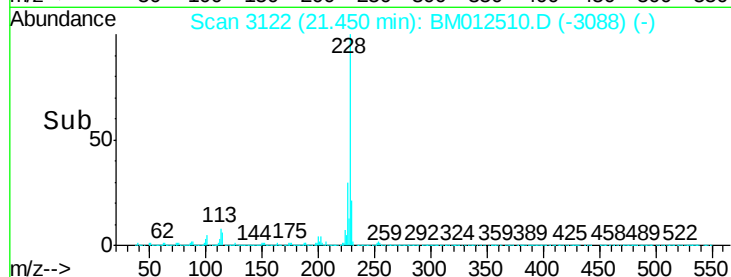
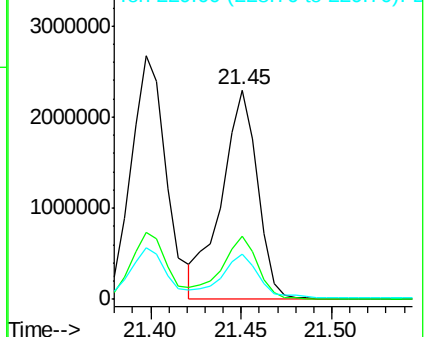
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.2
229	21.7	15.5	23.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 25.92 ng/ul

RT: 23.03 min Scan# 3390

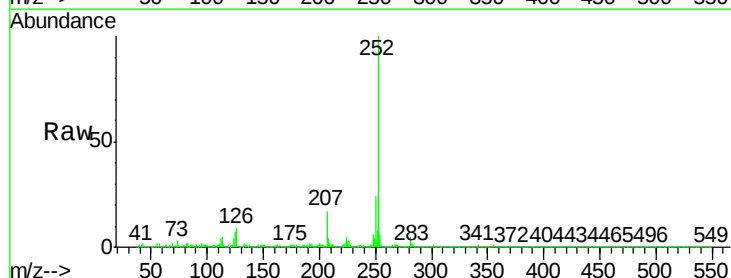
Delta R.T. 0.01 min

Lab File: BM012510.D

Acq: 28 Oct 2017 06:04

Tgt Ion:252 Resp: 4629718

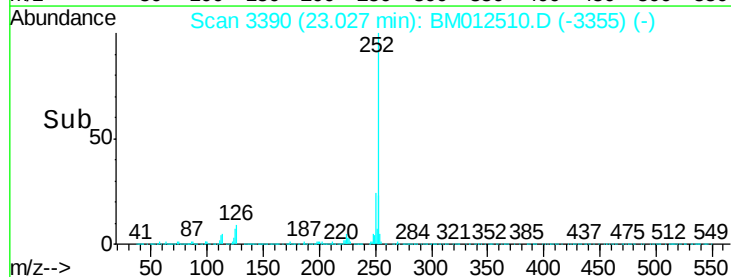
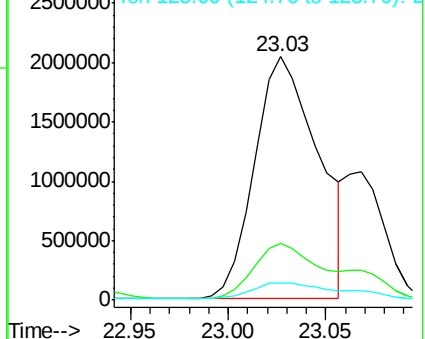
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	7.2	3.6	5.4

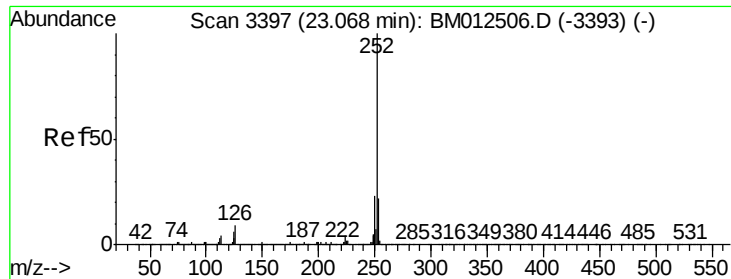


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

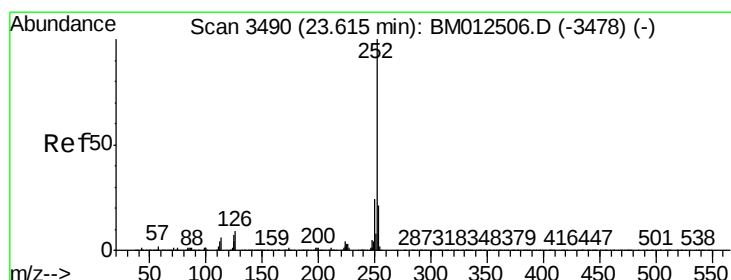
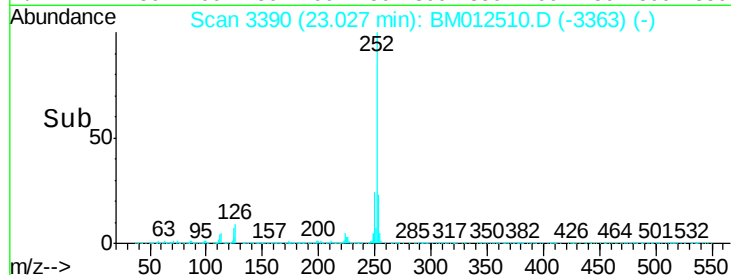
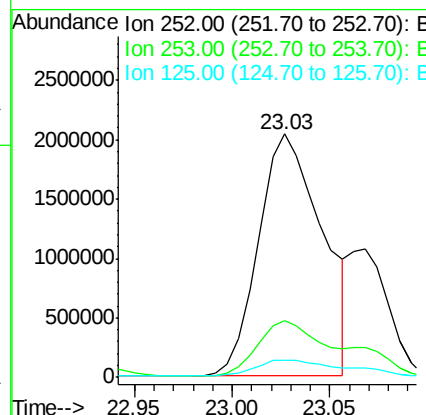
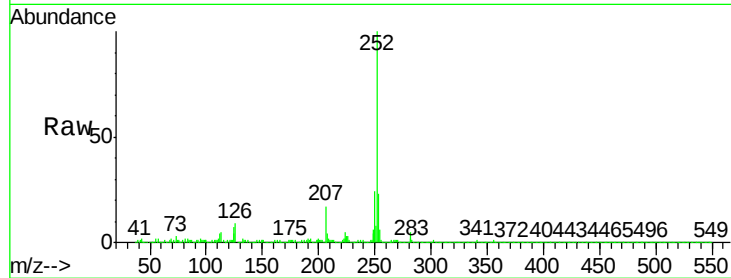




#86
Benzo(k)fluoranthene
Concen: 27.54 ng/ul
RT: 23.03 min Scan# 3390
Delta R.T. -0.04 min
Lab File: BM012510.D
Acq: 28 Oct 2017 06:04

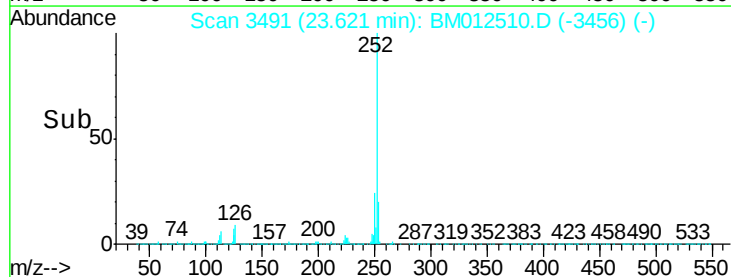
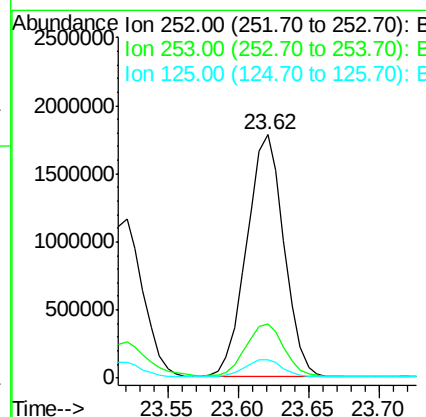
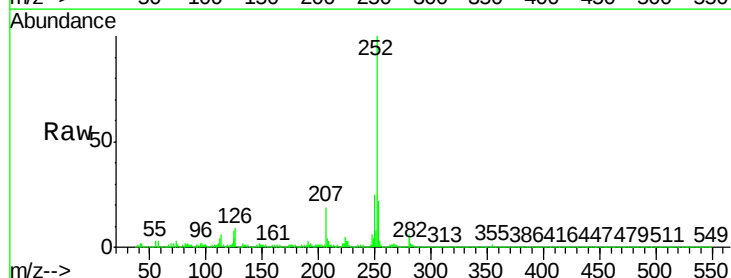
Instrument :
BNA_M
ClientSampleId :

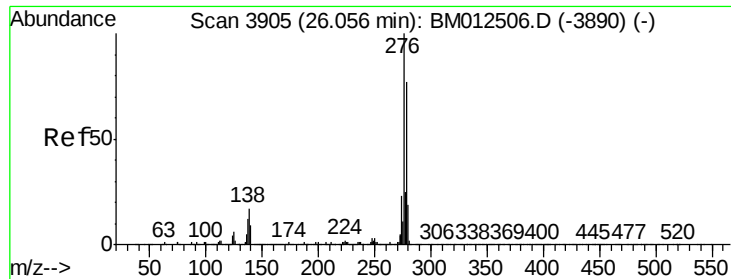
Tot Ion:252 Resp: 4629718
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 7.2 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 19.39 ng/ul
RT: 23.62 min Scan# 3491
Delta R.T. 0.01 min
Lab File: BM012510.D
Acq: 28 Oct 2017 06:04

Tgt Ion:252 Resp: 3302524
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.2
125 7.8 4.0 6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 12.58 ng/ul

RT: 26.06 min Scan# 3906

Delta R.T. 0.01 min

Lab File: BM012510.D

Acq: 28 Oct 2017 06:04

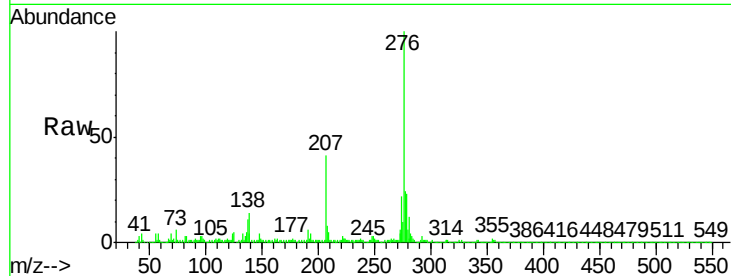
Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 2521815

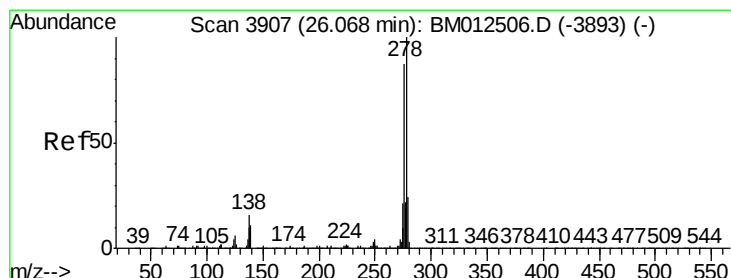
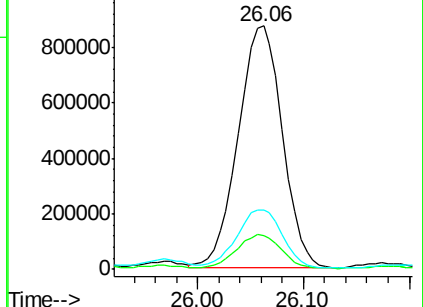
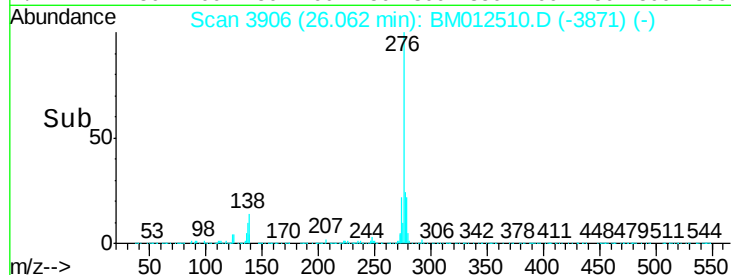
Ion	Ratio	Lower	Upper
276	100		
138	13.8	9.3	13.9
277	24.4	19.9	29.9



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: 3.93 ng/ul

RT: 26.07 min Scan# 3907

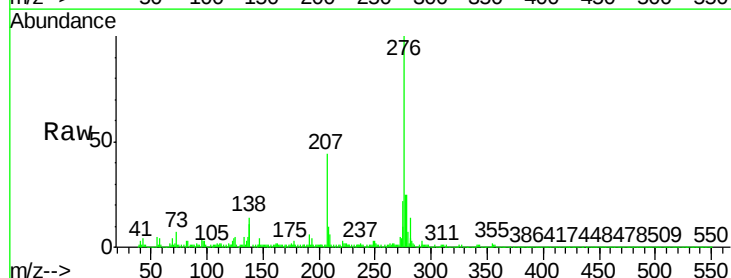
Delta R.T. 0.00 min

Lab File: BM012510.D

Acq: 28 Oct 2017 06:04

Tgt Ion:278 Resp: 668047

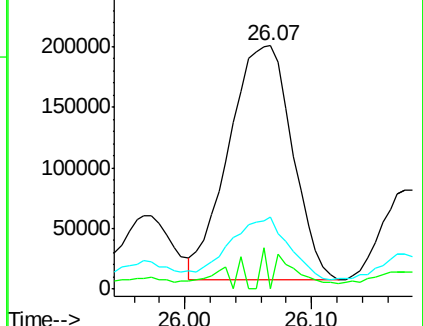
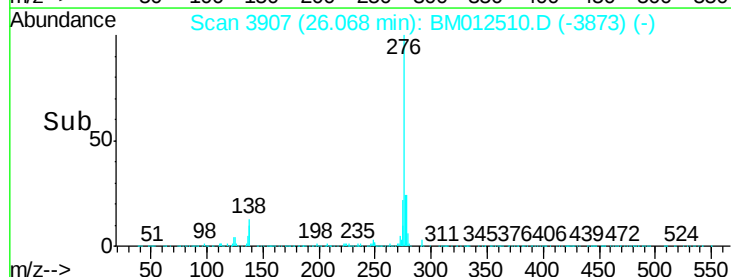
Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	29.6	18.6	27.8#

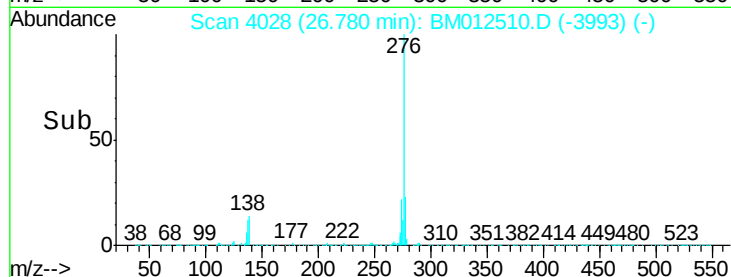
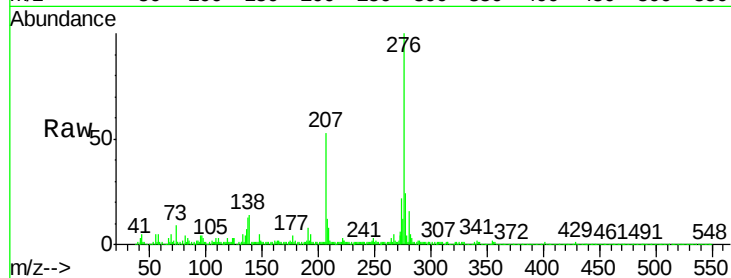
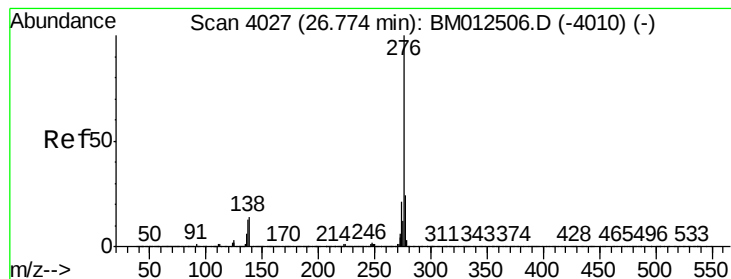


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 12.85 ng/ul

RT: 26.78 min Scan# 4028

Delta R.T. 0.01 min

Lab File: BM012510.D

Acq: 28 Oct 2017 06:04

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 2087442

Ion Ratio Lower Upper

276 100

138 14.2 8.5 12.7#

277 24.3 18.6 28.0

