

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
 Data File : BM012086.D
 Acq On : 12 Oct 2017 01:48
 Operator : SJ/JU
 Sample : I5649-04MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 12 04:28:07 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 12 04:22:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	278037	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1086616	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	594530	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1299018	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	1509033	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	1657063	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	23865	4.06	ng/uL	0.00
5) Phenol-d5	7.00	99	483547	20.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	290641	20.53	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	414852	21.62	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	403627	19.52	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	194097	25.08	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	218837	25.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.26	165	422329	23.98	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	337699	17.57	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	1248186	24.22	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	1575760	26.02	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	159971	17.77	ng/ul	0.00
57) Fluorene-d10	15.48	176	1080592	23.76	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.61	200	111367	12.74	ng/ul	0.00
70) Anthracene-d10	17.33	188	1624290	25.38	ng/ul	0.00
76) Pyrene-d10	19.63	212	1868068	27.44	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.58	264	2059273	25.83	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	7.03	94	553205	23.371	ng/ul# 83
10) 2-Chlorophenol	7.40	128	446069	23.787	ng/ul 98
14) Acetophenone	8.67	105	99976	3.304	ng/ul 88
15) N-Nitroso-di-n-propylamine	8.65	70	290754	18.777	ng/ul# 67
17) Hexachloroethane	8.94	117	7542	1.002	ng/ul# 1
28) Naphthalene	10.69	128	60703	1.114	ng/ul 98
33) 4-Chloro-3-methylphenol	11.93	107	466403	25.245	ng/ul 96
44) Dimethylphthalate	13.94	163	415727	8.386	ng/ul 99
47) Acenaphthylene	14.21	152	68930	1.174	ng/ul 98
49) Acenaphthene	14.55	153	949304	23.367	ng/ul 99
52) 4-Nitrophenol	14.71	109	160203	22.267	ng/ul# 79
54) 2,4-Dinitrotoluene	14.86	165	311916	22.571	ng/ul# 81
68) Pentachlorophenol	16.89	266	260422	25.447	ng/ul 98
69) Phenanthrene	17.27	178	541120	7.573	ng/ul 98
71) Anthracene	17.37	178	139413	1.918	ng/ul 97
74) Fluoranthene	19.29	202	1406526	16.133	ng/ul# 92
77) Pyrene	19.66	202	3637156	43.469	ng/ul# 90
80) Benzo(a)anthracene	21.40	228	867903	10.039	ng/ul 96
81) Bis(2-ethylhexyl)phthalate	21.30	149	127109	2.607	ng/ul 96
82) Chrysene	21.44	228	926480	11.279	ng/ul 97
85) Benzo(b)fluoranthene	23.03	252	1216036	12.073	ng/ul# 93
86) Benzo(k)fluoranthene	23.03	252	1216036	12.093	ng/ul# 91
88) Benzo(a)pyrene	23.63	252	888930	9.185	ng/ul# 92

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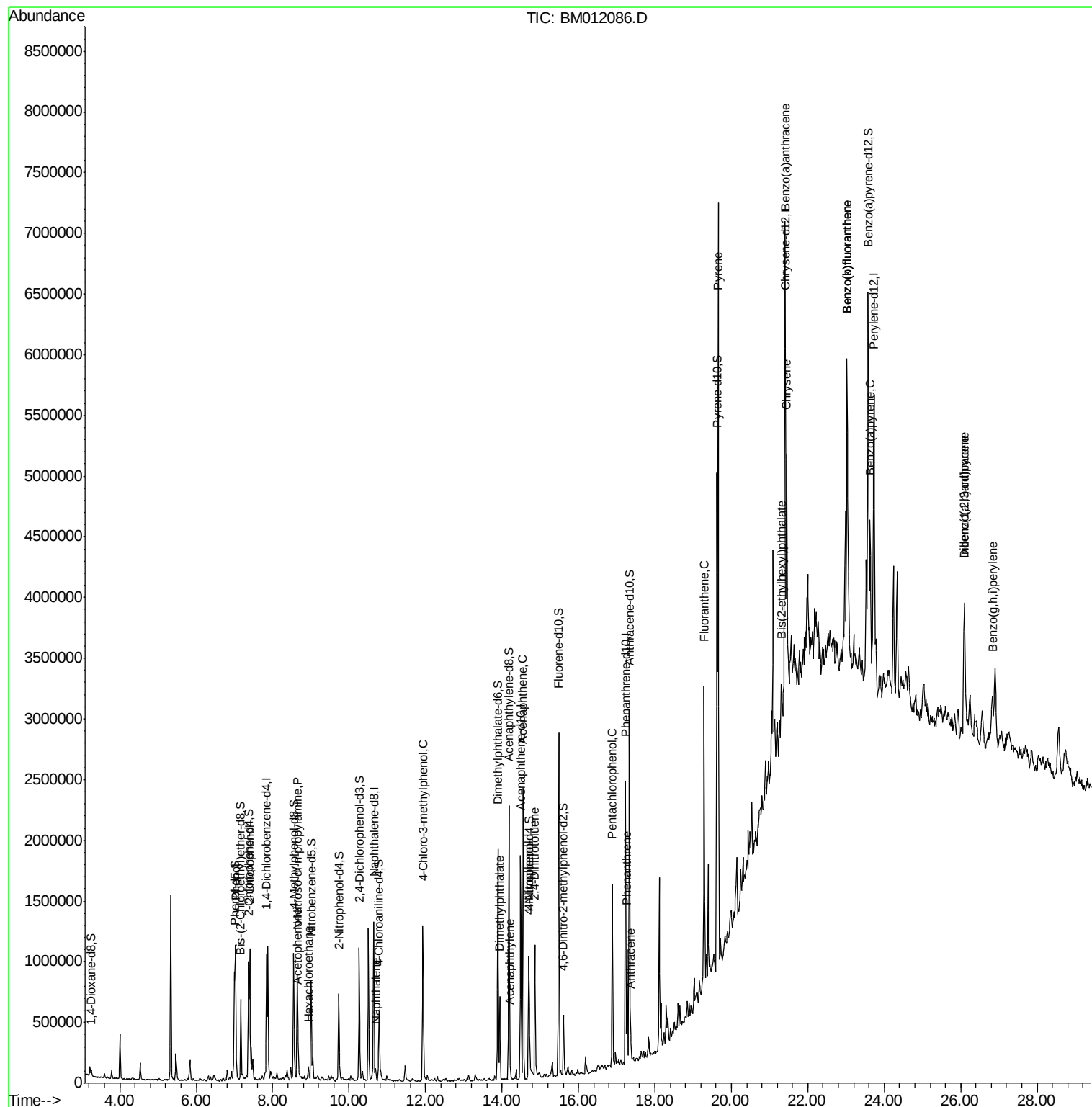
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	26.10	276	643535	6.214	ng/ul#	91
90) Dibenzo(a,h)anthracene	26.10	278	161819	1.902	ng/ul#	67
91) Benzo(q,h,i)perylene	26.83	276	563703	6.580	ng/ul#	88

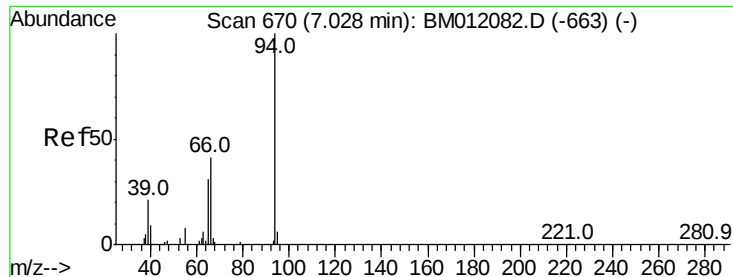
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 12 04:22:15 2017
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#6

Phenol

Concen: 23.371 ng/ul

RT: 7.03 min Scan# 670

Delta R.T. -0.00 min

Lab File: BM012086.D

Acq: 12 Oct 2017 01:48

Instrument :

BNA_M

ClientSampled :

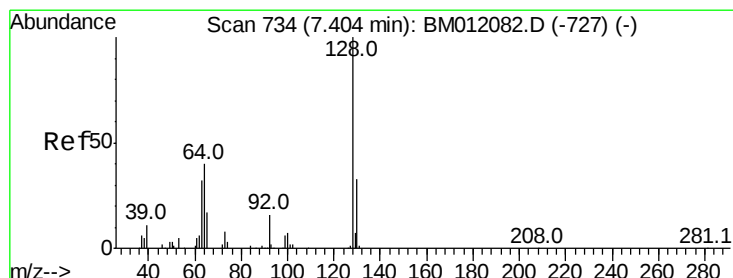
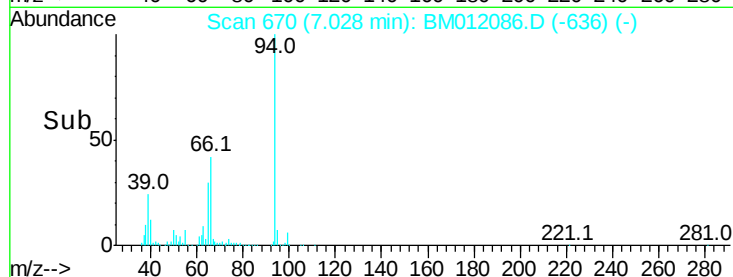
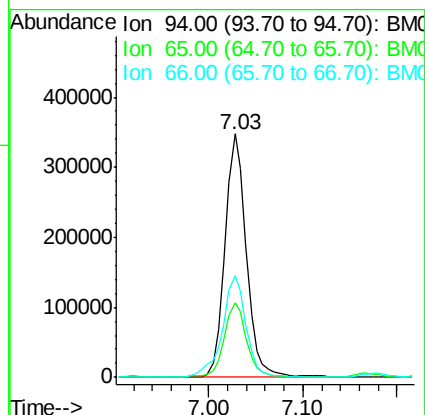
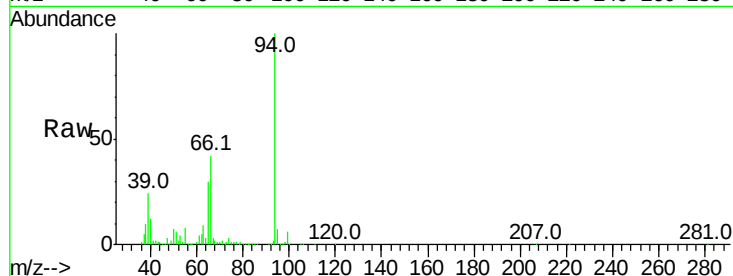
Tot Ion: 94 Resp: 553205

Ion Ratio Lower Upper

94 100

65 30.4 28.2 42.4

66 41.8 47.2 70.8#



#10

2-Chlorophenol

Concen: 23.787 ng/ul

RT: 7.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BM012086.D

Acq: 12 Oct 2017 01:48

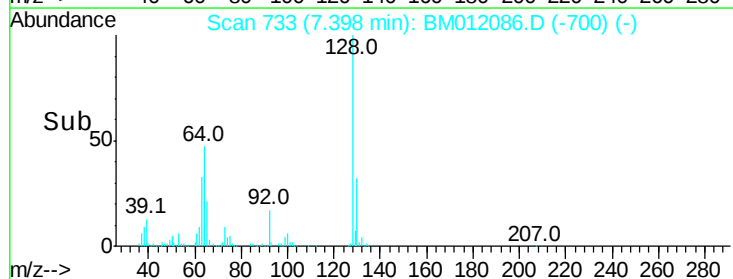
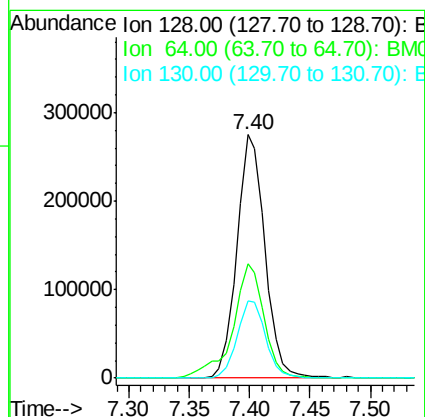
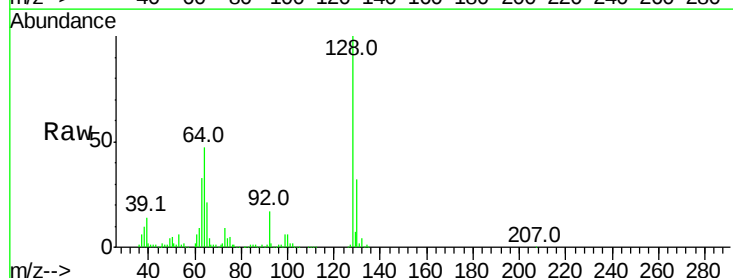
Tgt Ion: 128 Resp: 446069

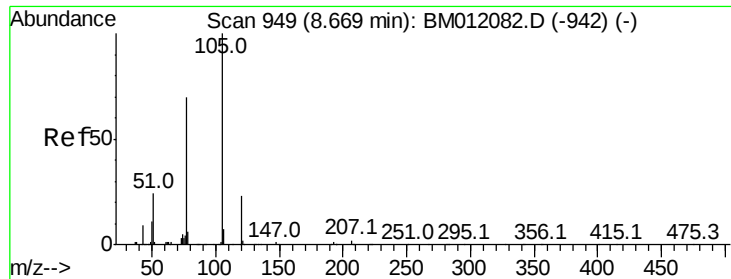
Ion Ratio Lower Upper

128 100

64 46.7 38.0 57.0

130 31.8 24.4 36.6

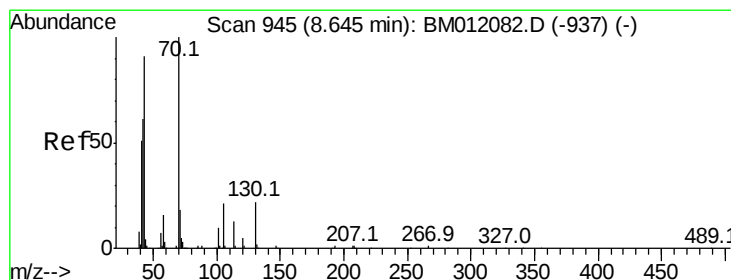
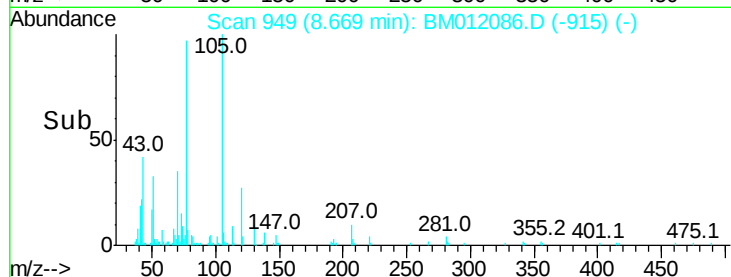
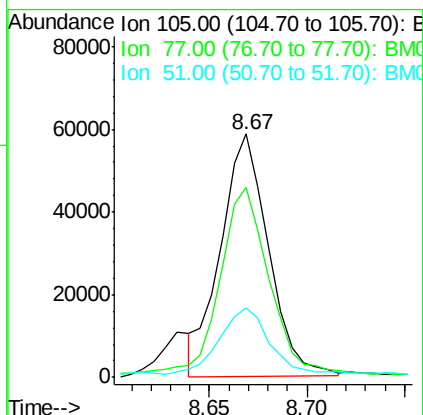
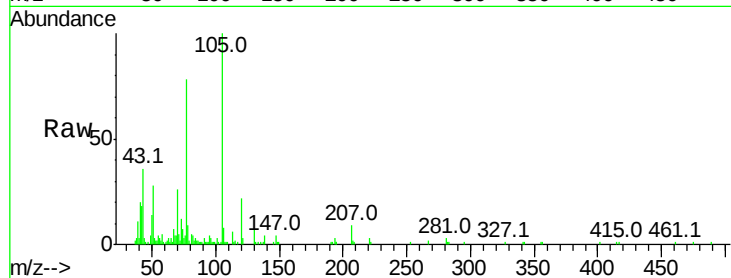




#14
Acetophenone
Concen: 3.304 ng/ul
RT: 8.67 min Scan# 949
Delta R.T. -0.00 min
Lab File: BM012086.D
Acq: 12 Oct 2017 01:48

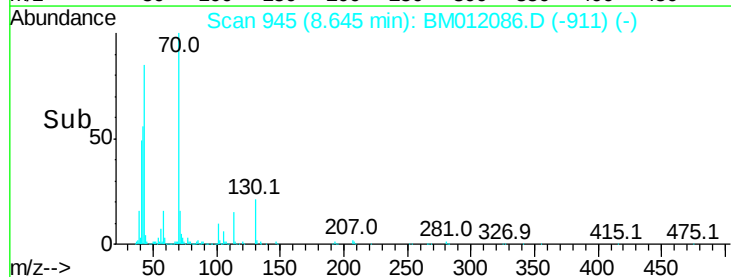
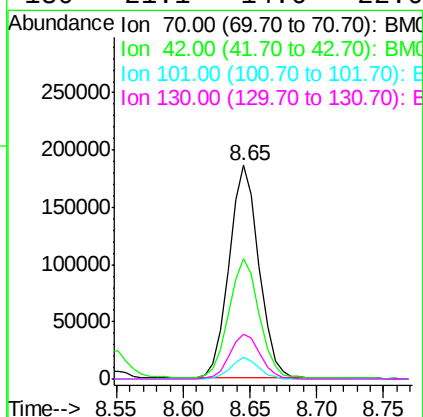
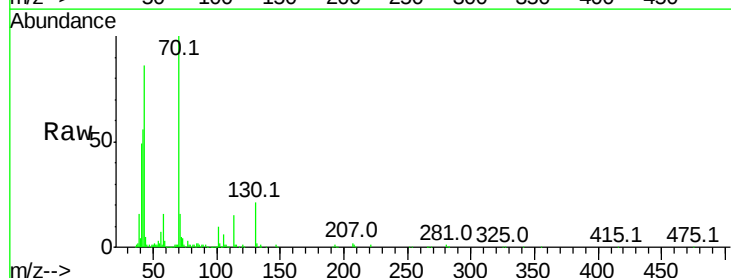
Instrument :
BNA_M
ClientSampleId :

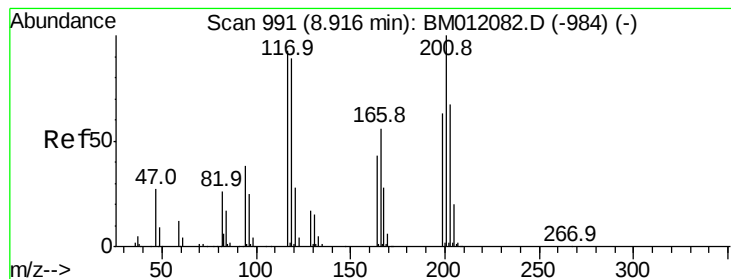
Tot Ion:105 Resp: 99976
Ion Ratio Lower Upper
105 100
77 77.9 74.2 111.4
51 28.3 23.4 35.2



#15
N-Nitroso-di-n-propylamine
Concen: 18.777 ng/ul
RT: 8.65 min Scan# 945
Delta R.T. -0.00 min
Lab File: BM012086.D
Acq: 12 Oct 2017 01:48

Tgt Ion: 70 Resp: 290754
Ion Ratio Lower Upper
70 100
42 56.2 76.0 114.0#
101 10.4 6.7 10.1#
130 21.1 14.6 22.0





#17

Hexachloroethane

Concen: 1.002 ng/ul

RT: 8.94 min Scan# 995

Delta R.T. 0.02 min

Lab File: BM012086.D

Acq: 12 Oct 2017 01:48

Instrument :

BNA_M

ClientSampleId :

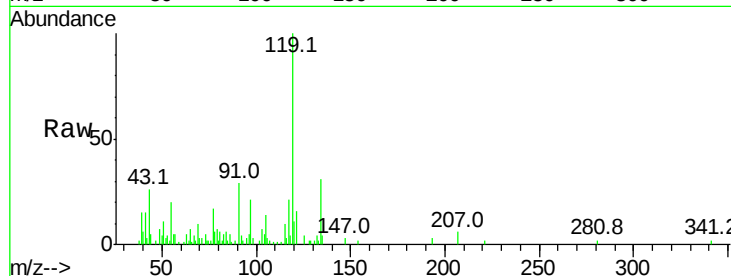
Tot Ion:117 Resp: 7542

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

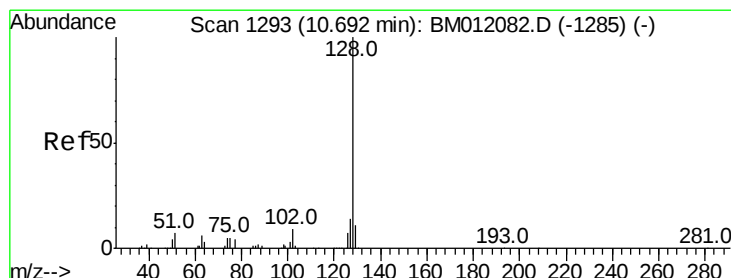
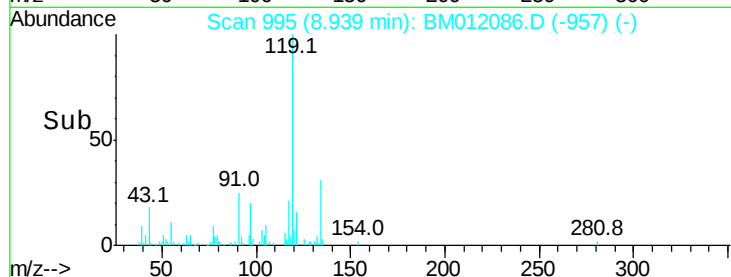
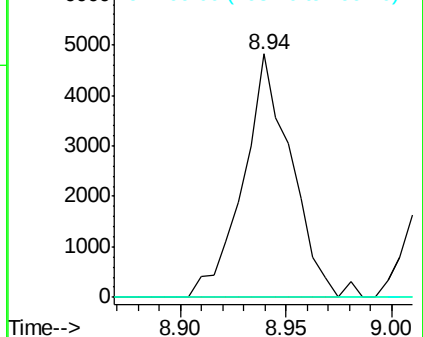
199 0.0 67.8 101.6#



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: 1.114 ng/ul

RT: 10.69 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BM012086.D

Acq: 12 Oct 2017 01:48

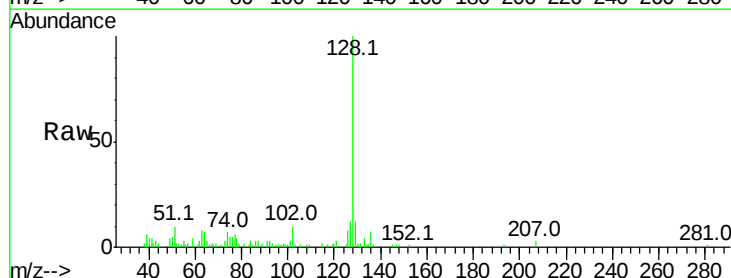
Tgt Ion:128 Resp: 60703

Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

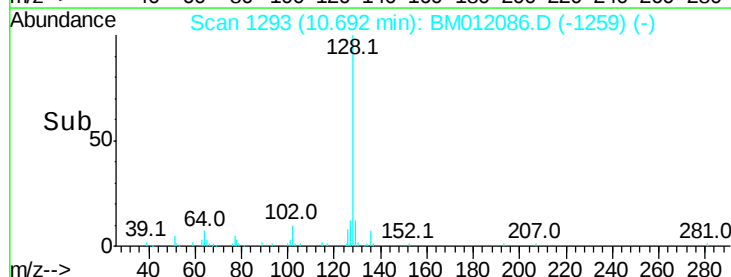
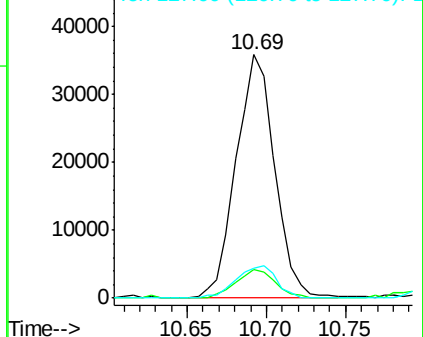
127 12.4 10.6 16.0

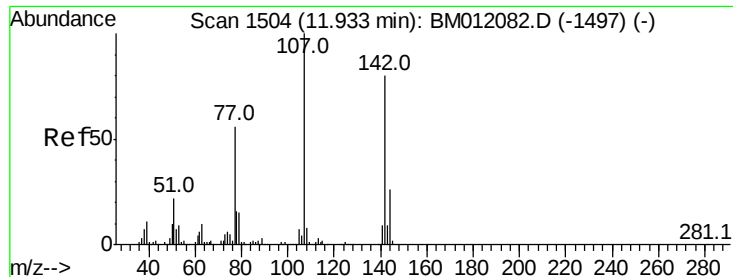


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

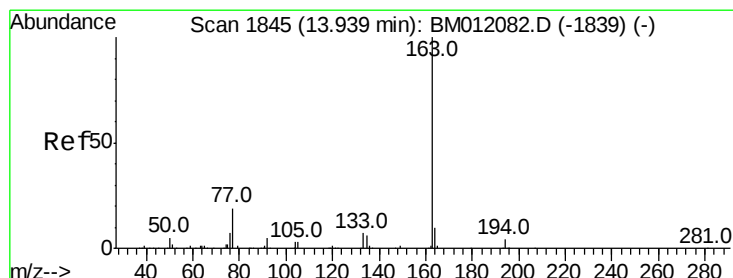
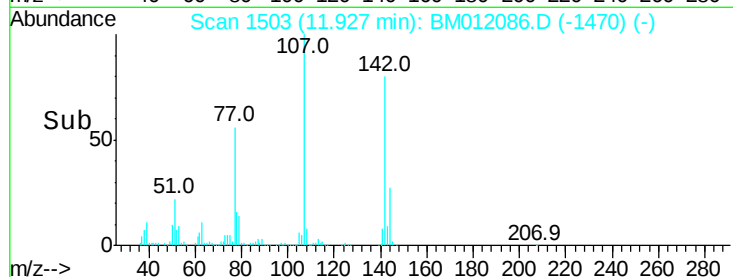
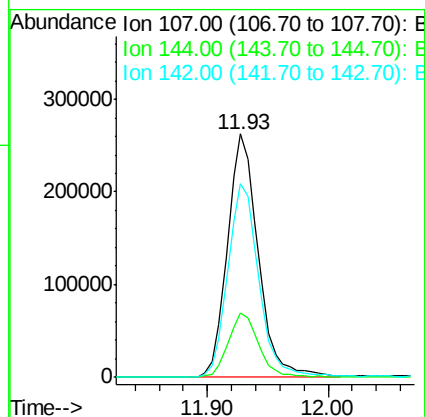
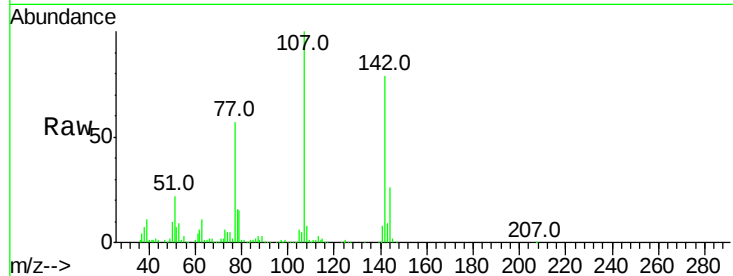




#33
 4-Chloro-3-methylphenol
 Concen: 25.245 ng/ul
 RT: 11.93 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: BM012086.D
 Acq: 12 Oct 2017 01:48

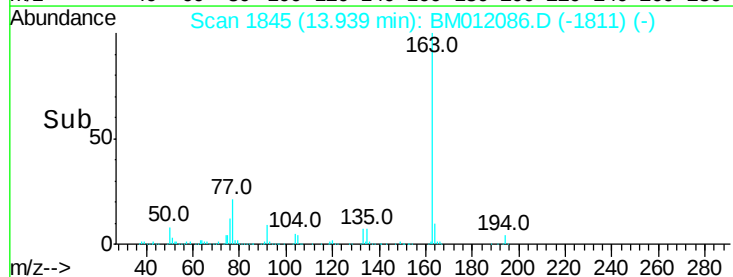
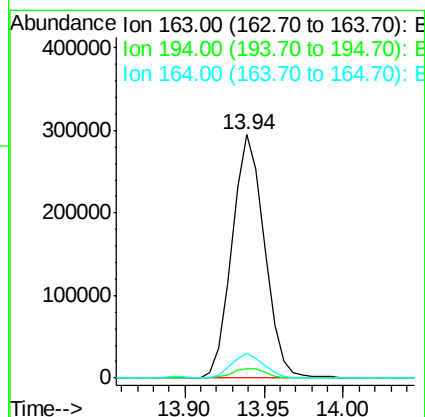
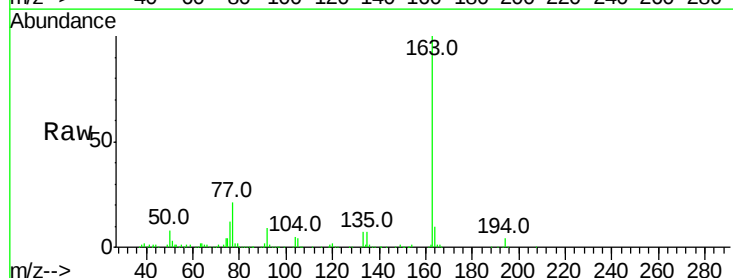
Instrument :
 BNA_M
 ClientSampleId :

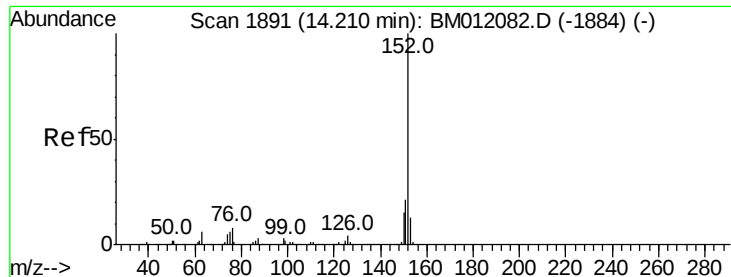
Tot Ion:107 Resp: 466403
 Ion Ratio Lower Upper
 107 100
 144 26.5 20.4 30.6
 142 79.5 60.5 90.7



#44
 Dimethylphthalate
 Concen: 8.386 ng/ul
 RT: 13.94 min Scan# 1845
 Delta R.T. -0.00 min
 Lab File: BM012086.D
 Acq: 12 Oct 2017 01:48

Tgt Ion:163 Resp: 415727
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.5 5.3
 164 10.1 8.2 12.4





#47

Acenaphthylene

Concen: 1.174 ng/ul

RT: 14.21 min Scan# 1891

Delta R.T. -0.00 min

Lab File: BM012086.D

Acq: 12 Oct 2017 01:48

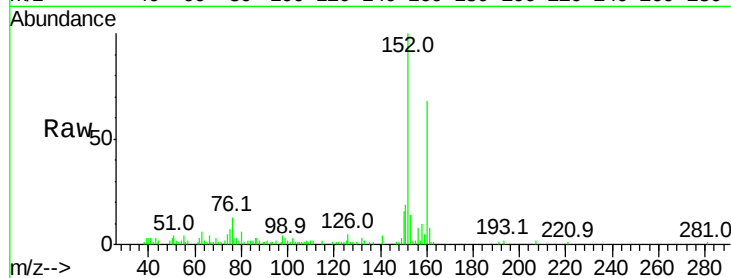
Instrument :

BNA_M

ClientSampleId :

Tot Ion:152 Resp: 68930

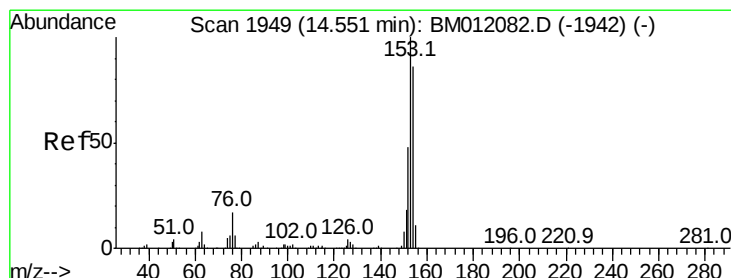
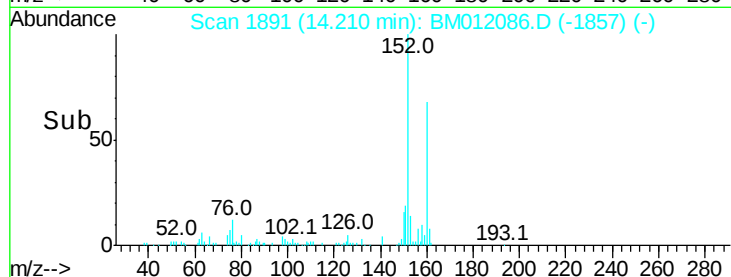
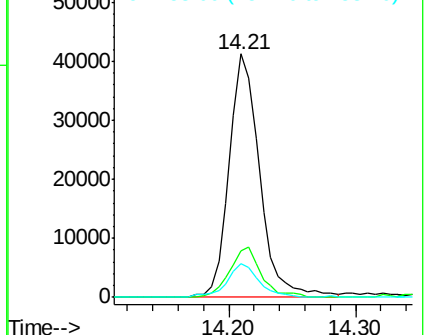
Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.3	24.5
153	13.8	10.2	15.4



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: 23.367 ng/ul

RT: 14.55 min Scan# 1949

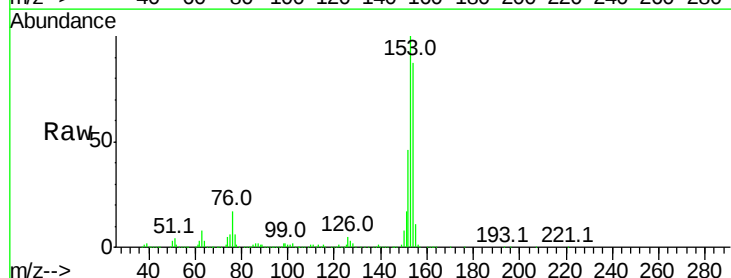
Delta R.T. -0.00 min

Lab File: BM012086.D

Acq: 12 Oct 2017 01:48

Tgt Ion:153 Resp: 949304

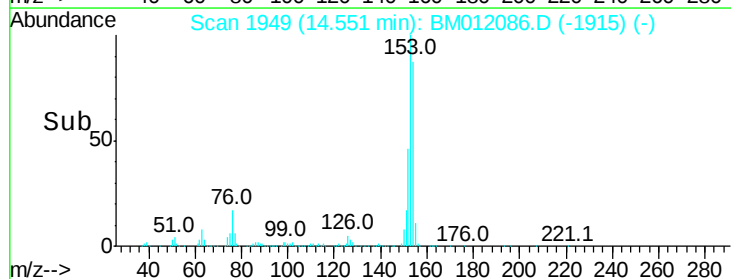
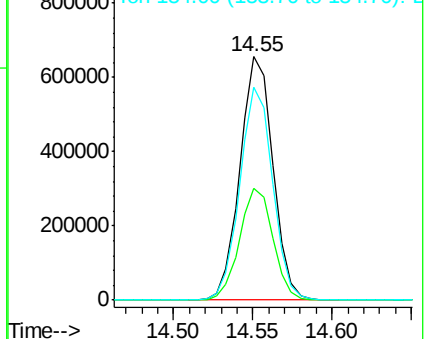
Ion	Ratio	Lower	Upper
153	100		
152	46.0	37.6	56.4
154	87.5	70.4	105.6

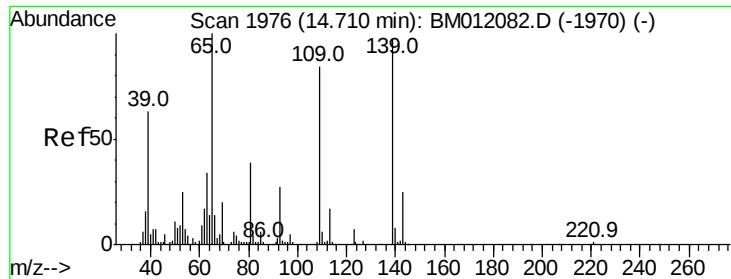


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

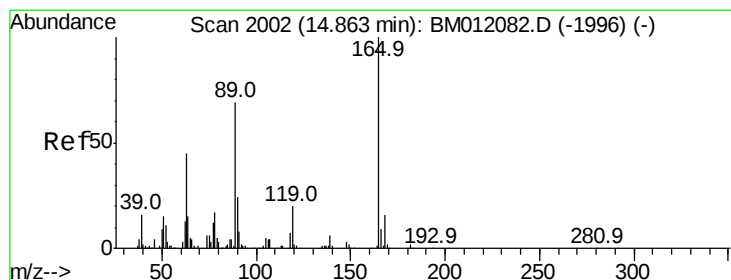
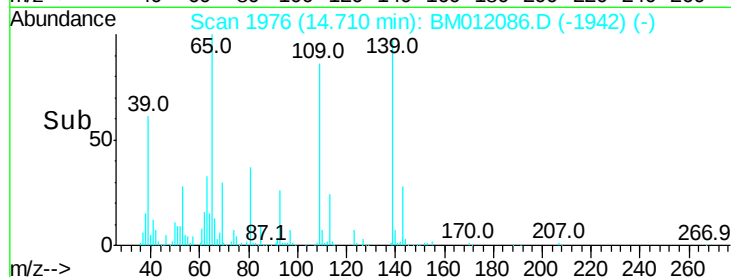
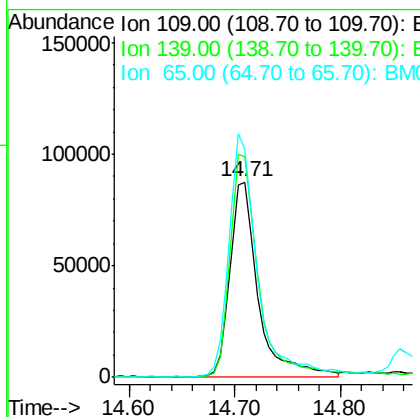
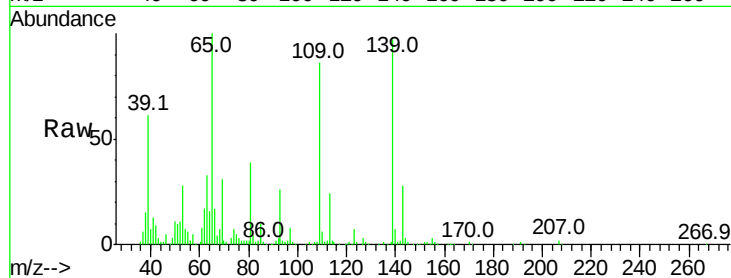




#52
4-Nitrophenol
Concen: 22.267 ng/ul
RT: 14.71 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BM012086.D
Acq: 12 Oct 2017 01:48

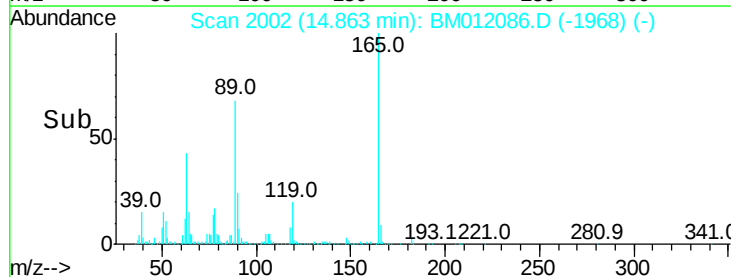
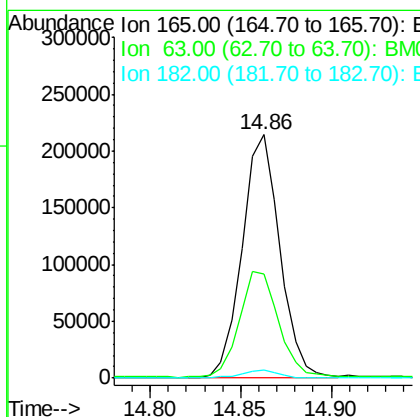
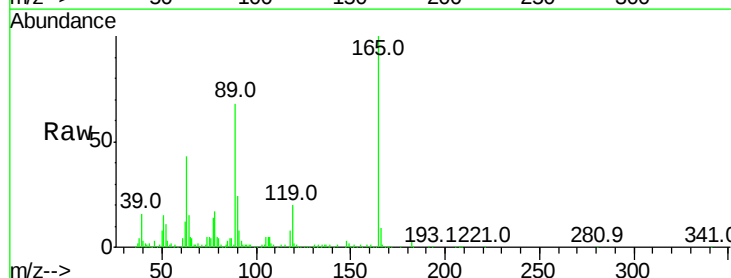
Instrument :
BNA_M
ClientSampled :

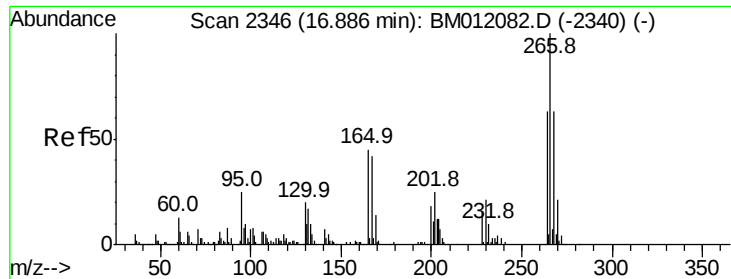
Tot Ion	Ratio	Lower	Upper
109	100		
139	112.9	80.0	120.0
65	116.8	120.0	180.0#



#54
2,4-Dinitrotoluene
Concen: 22.571 ng/ul
RT: 14.86 min Scan# 2002
Delta R.T. -0.00 min
Lab File: BM012086.D
Acq: 12 Oct 2017 01:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	42.8	45.8	68.8#
182	3.3	2.6	4.0

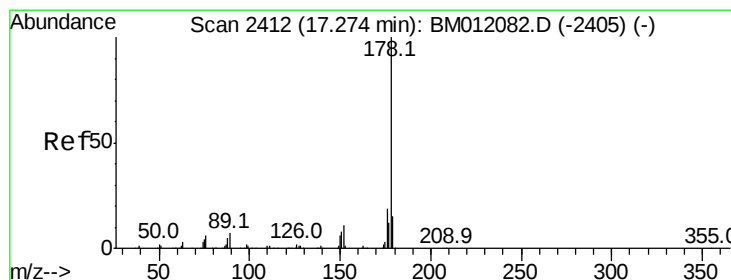
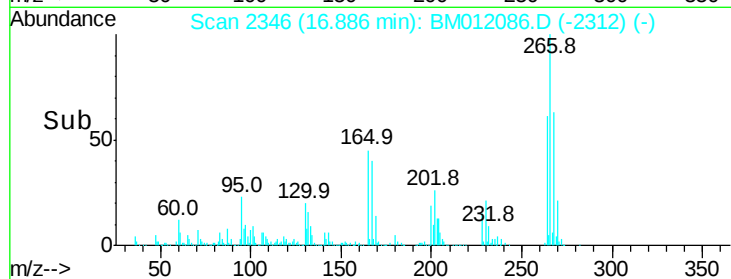
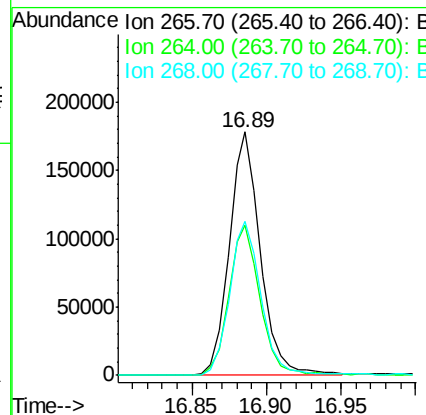
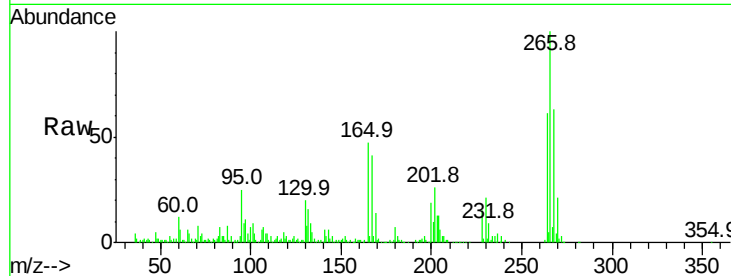




#68
 Pentachlorophenol
 Concen: 25.447 ng/ul
 RT: 16.89 min Scan# 2346
 Delta R.T. -0.00 min
 Lab File: BM012086.D
 Acq: 12 Oct 2017 01:48

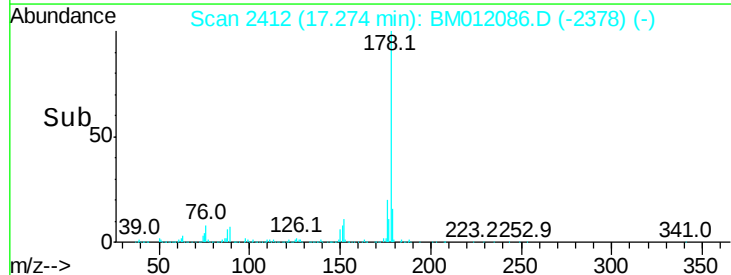
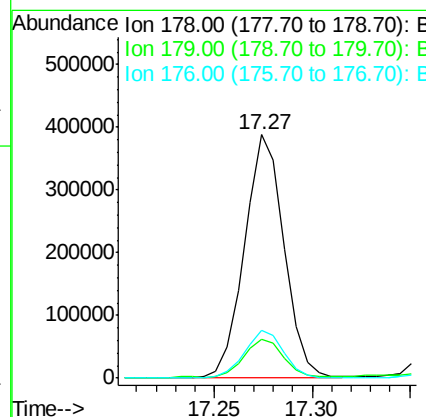
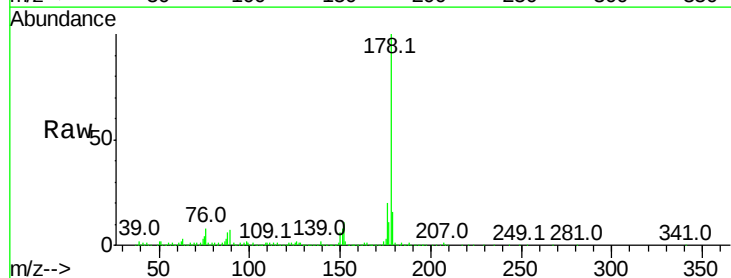
Instrument :
 BNA_M
 ClientSampleId :

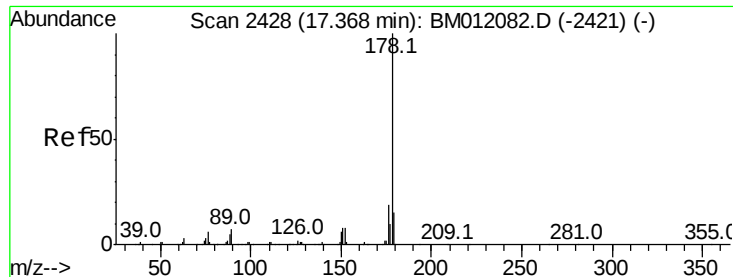
Tot Ion	Ratio	Lower	Upper
266	100		
264	61.4	49.3	73.9
268	63.1	52.6	78.8



#69
 Phenanthrene
 Concen: 7.573 ng/ul
 RT: 17.27 min Scan# 2412
 Delta R.T. -0.00 min
 Lab File: BM012086.D
 Acq: 12 Oct 2017 01:48

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.6	19.0
176	19.8	14.9	22.3





#71

Anthracene

Concen: 1.918 ng/ul

RT: 17.37 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BM012086.D

Acq: 12 Oct 2017 01:48

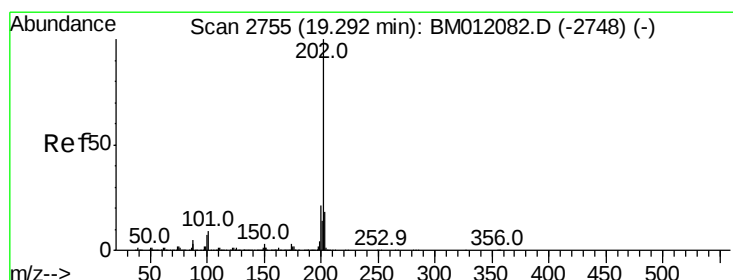
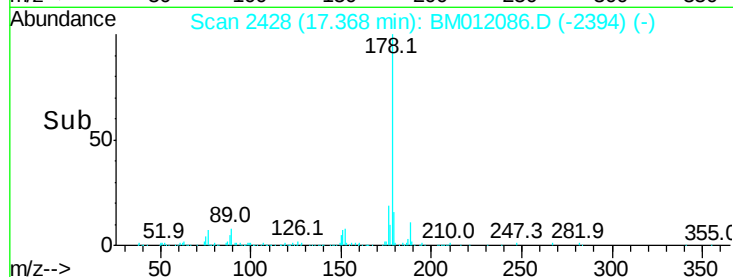
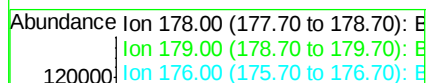
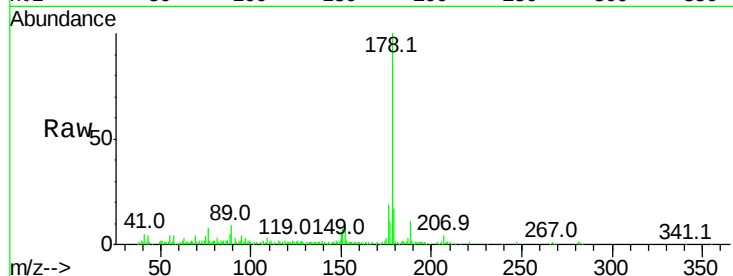
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 139413

Ion	Ratio	Lower	Upper
178	100		
179	16.7	11.7	17.5
176	19.0	14.6	21.8



#74

Fluoranthene

Concen: 16.133 ng/ul

RT: 19.29 min Scan# 2755

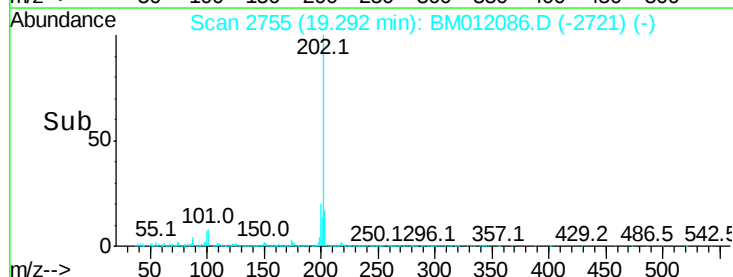
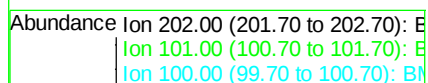
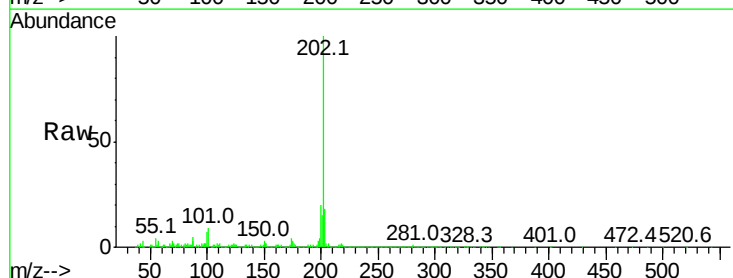
Delta R.T. -0.00 min

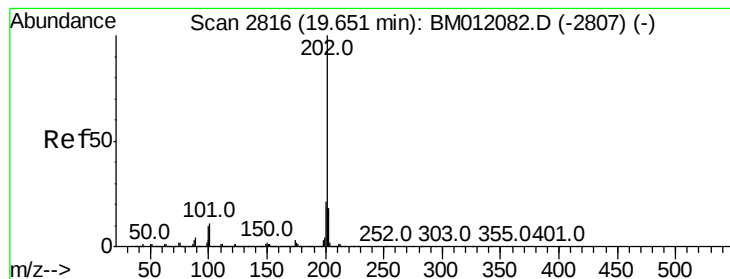
Lab File: BM012086.D

Acq: 12 Oct 2017 01:48

Tgt Ion:202 Resp: 1406526

Ion	Ratio	Lower	Upper
202	100		
101	8.5	4.6	7.0#
100	6.6	3.4	5.2#





#77

Pvrene

Concen: 43.469 ng/ul

RT: 19.66 min Scan# 2817

Delta R.T. 0.01 min

Lab File: BM012086.D

Acq: 12 Oct 2017 01:48

Instrument :

BNA_M

ClientSampleId :

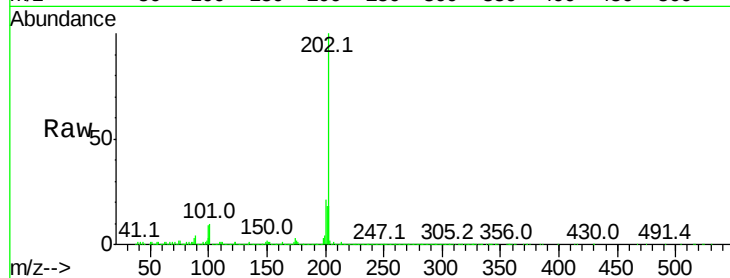
Tot Ion:202 Resp: 3637156

Ion Ratio Lower Upper

202 100

101 10.4 5.1 7.7#

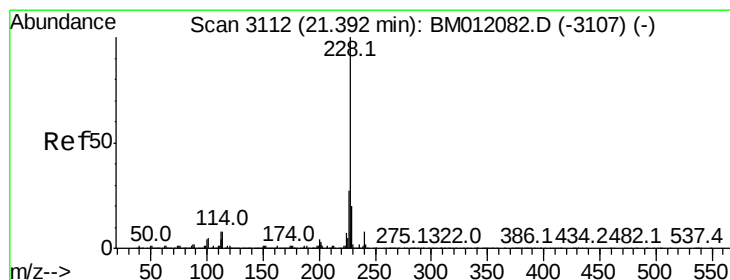
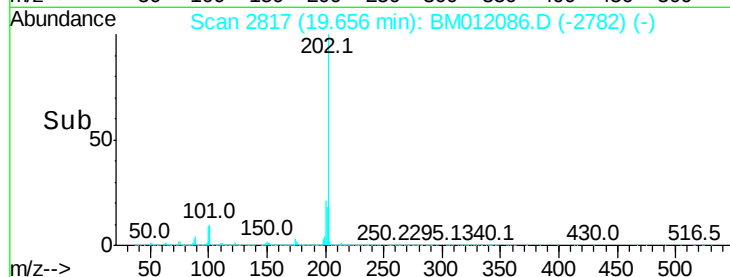
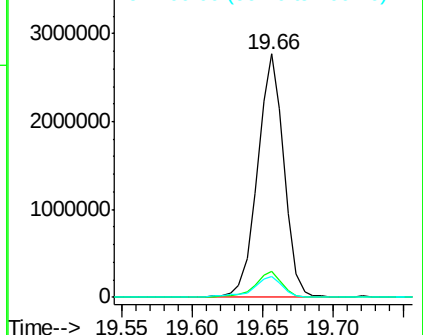
100 8.7 4.9 7.3#



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: 10.039 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. 0.01 min

Lab File: BM012086.D

Acq: 12 Oct 2017 01:48

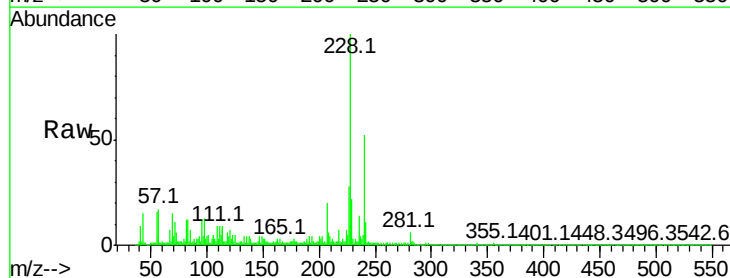
Tgt Ion:228 Resp: 867903

Ion Ratio Lower Upper

228 100

229 21.8 15.4 23.0

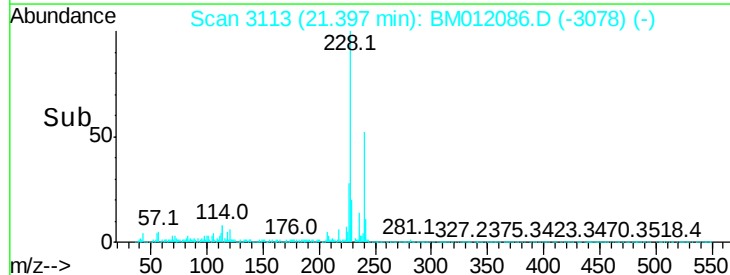
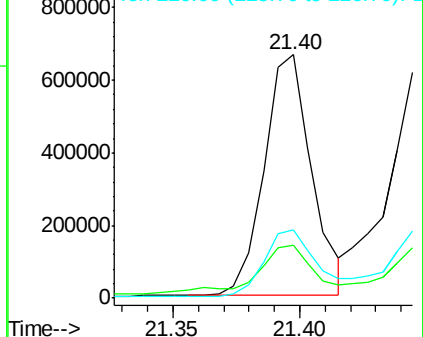
226 28.1 21.4 32.0

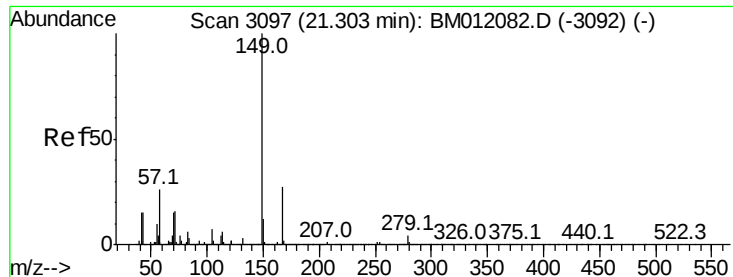


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 2.607 ng/ul

RT: 21.30 min Scan# 3097

Delta R.T. -0.00 min

Lab File: BM012086.D

Acq: 12 Oct 2017 01:48

Instrument :

BNA_M

ClientSampleId :

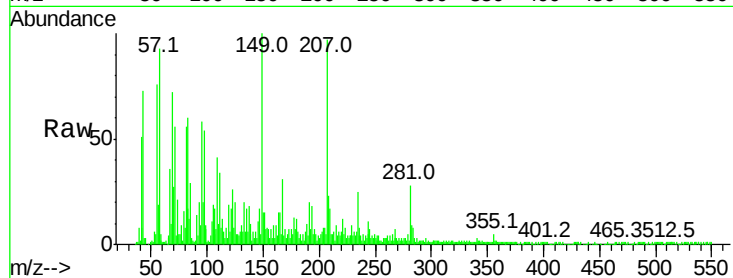
Tot Ion:149 Resp: 127109

Ion Ratio Lower Upper

149 100

167 30.7 22.8 34.2

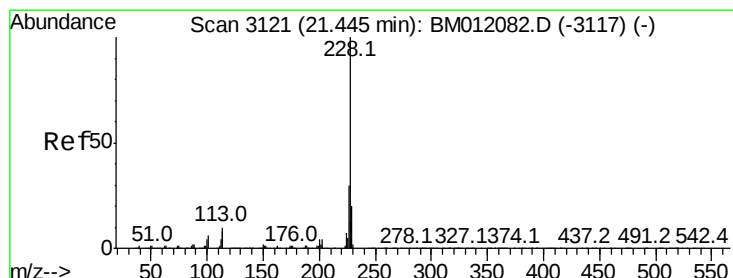
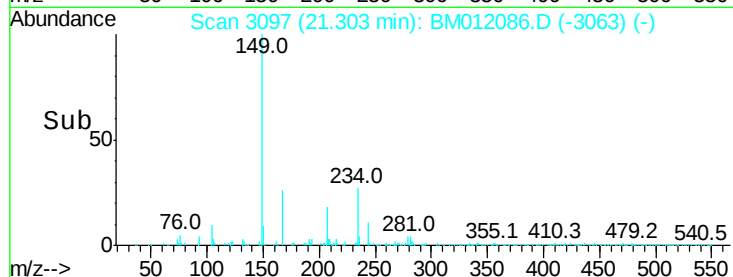
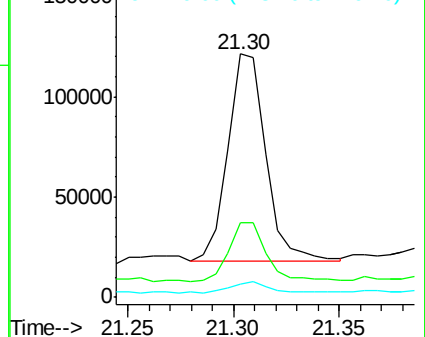
279 5.5 4.9 7.3



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: 11.279 ng/ul

RT: 21.44 min Scan# 3121

Delta R.T. -0.00 min

Lab File: BM012086.D

Acq: 12 Oct 2017 01:48

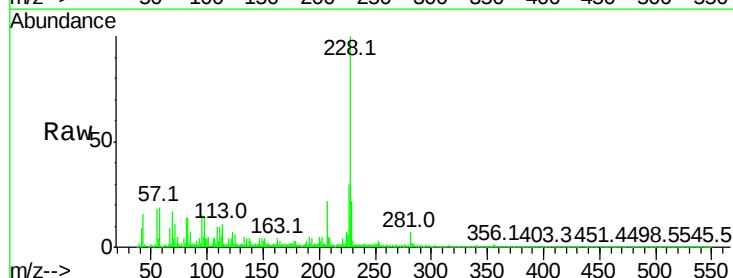
Tgt Ion:228 Resp: 926480

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.2

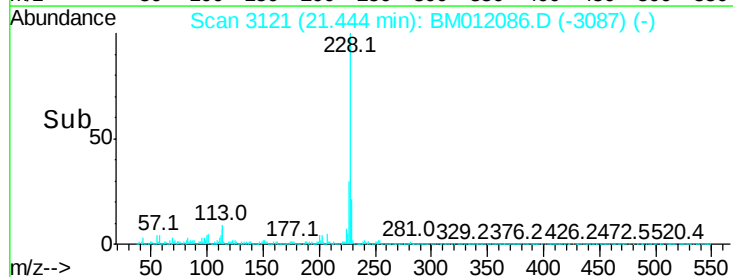
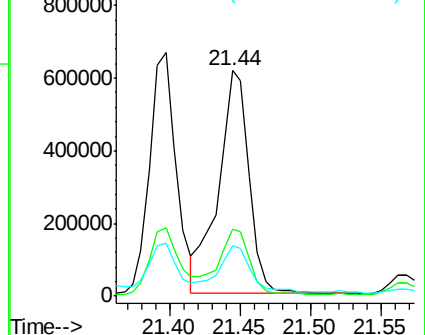
229 22.2 15.5 23.3

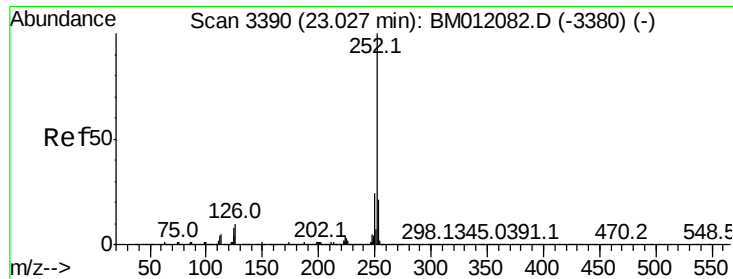


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 12.073 ng/ul

RT: 23.03 min Scan# 3390

Delta R.T. -0.00 min

Lab File: BM012086.D

Acq: 12 Oct 2017 01:48

Instrument :

BNA_M

ClientSampleId :

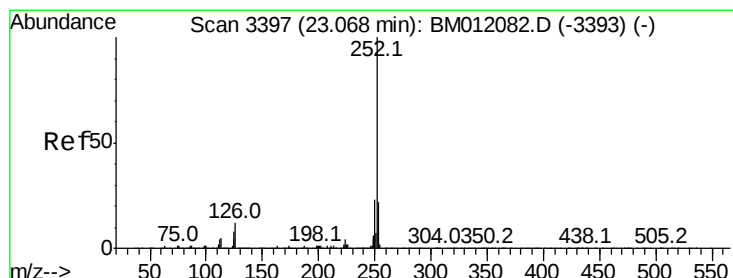
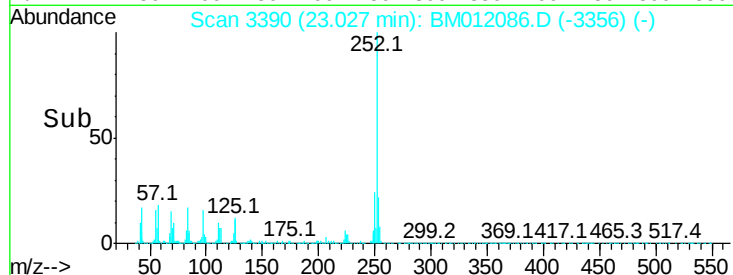
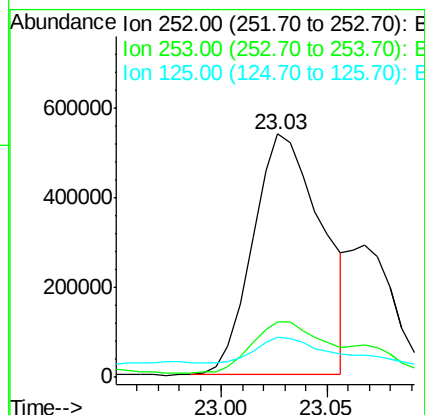
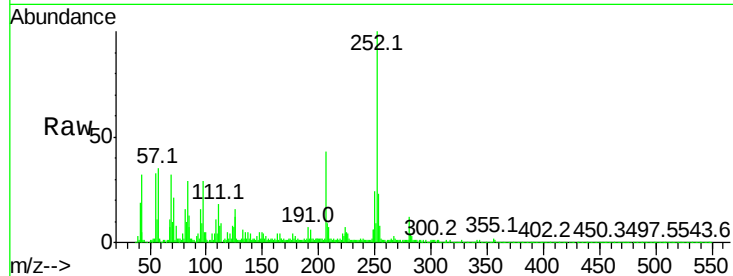
Tot Ion:252 Resp: 1216036

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

125 16.2 3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 12.093 ng/ul

RT: 23.03 min Scan# 3390

Delta R.T. -0.04 min

Lab File: BM012086.D

Acq: 12 Oct 2017 01:48

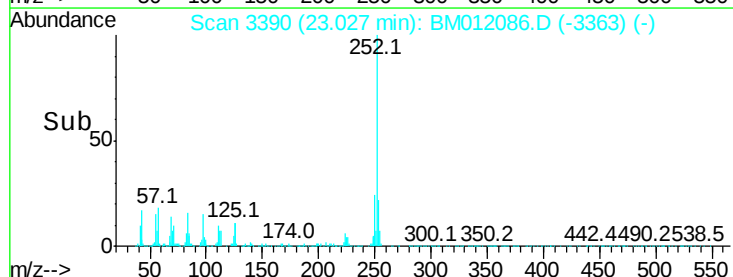
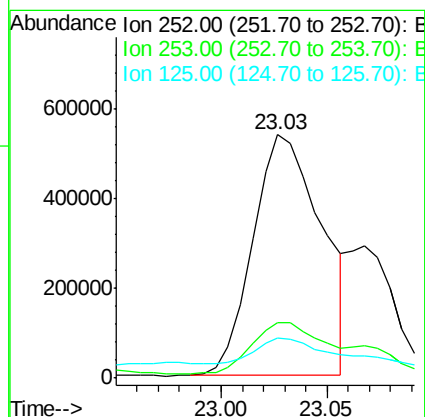
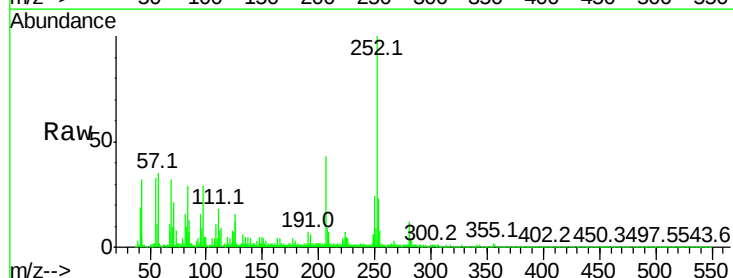
Tgt Ion:252 Resp: 1216036

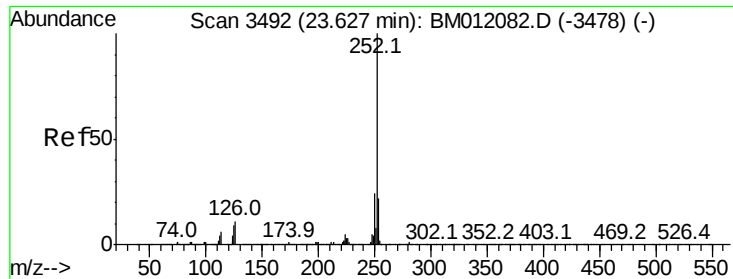
Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 16.2 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 9.185 ng/ul

RT: 23.63 min Scan# 3492

Delta R.T. -0.00 min

Lab File: BM012086.D

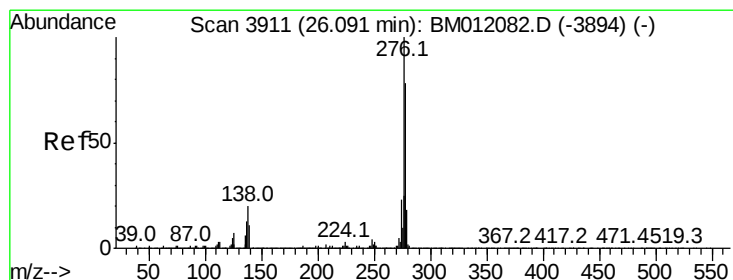
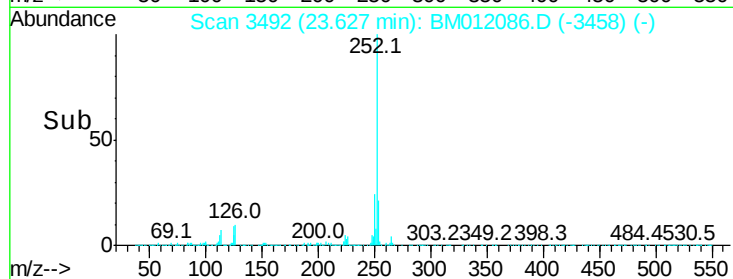
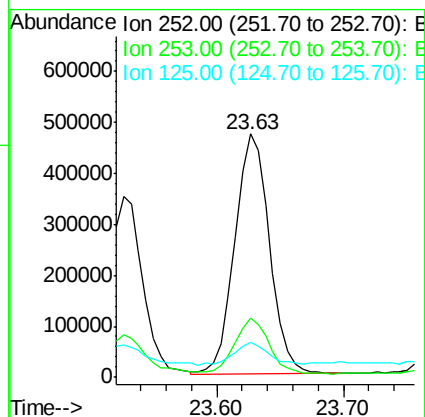
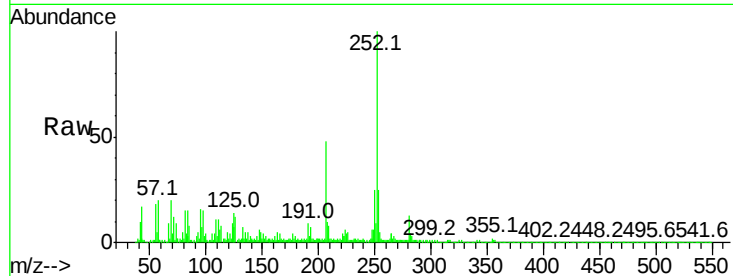
Acq: 12 Oct 2017 01:48

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	252	Resp:	888930
Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.2	27.2
125	14.1	4.0	6.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 6.214 ng/ul

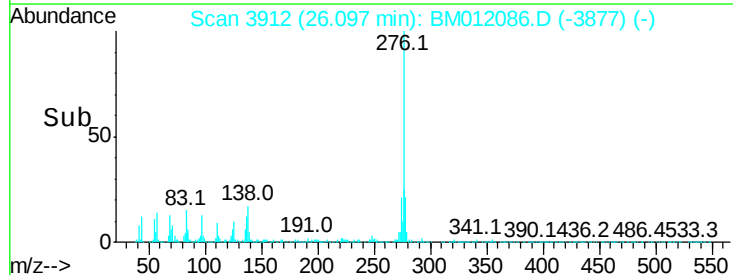
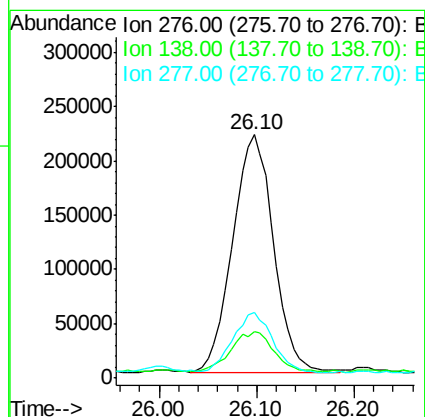
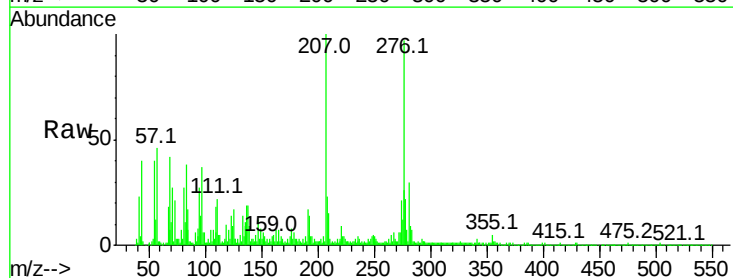
RT: 26.10 min Scan# 3912

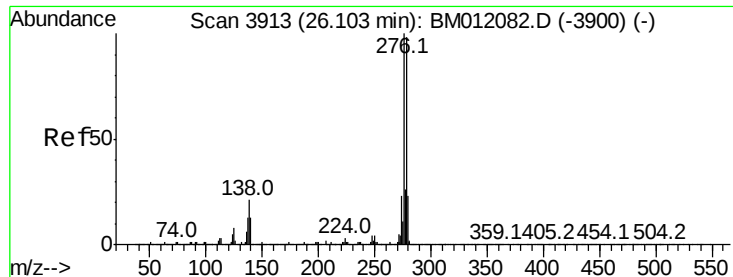
Delta R.T. 0.01 min

Lab File: BM012086.D

Acq: 12 Oct 2017 01:48

Tgt Ion:	276	Resp:	643535
Ion	Ratio	Lower	Upper
276	100		
138	19.3	9.3	13.9#
277	26.8	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 1.902 ng/ul

RT: 26.10 min Scan# 3912

Delta R.T. -0.01 min

Lab File: BM012086.D

Acq: 12 Oct 2017 01:48

Instrument :

BNA_M

ClientSampleId :

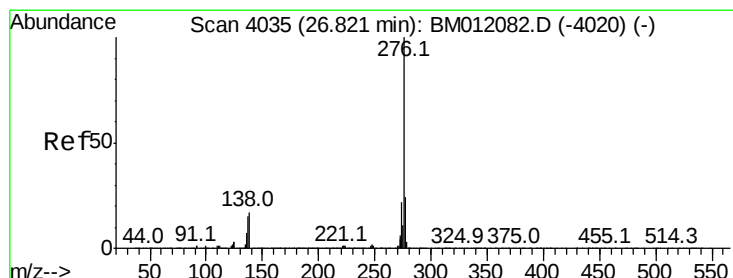
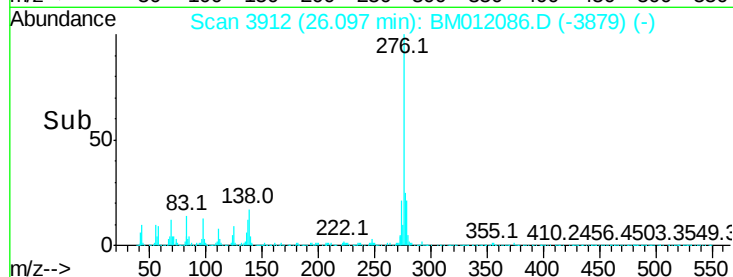
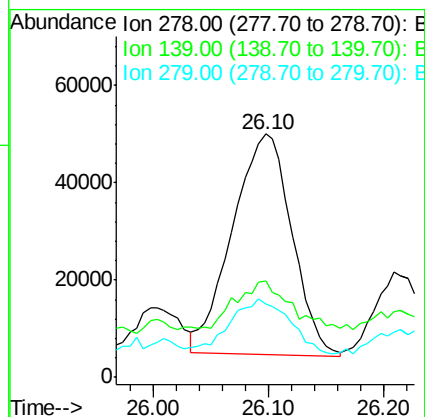
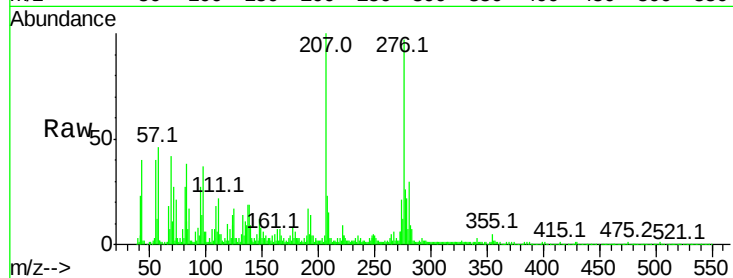
Tot Ion:278 Resp: 161819

Ion Ratio Lower Upper

278 100

139 39.7 5.8 8.8#

279 30.3 18.6 27.8#



#91

Benzo(g,h,i)perylene

Concen: 6.580 ng/ul

RT: 26.83 min Scan# 4036

Delta R.T. 0.01 min

Lab File: BM012086.D

Acq: 12 Oct 2017 01:48

Tgt Ion:276 Resp: 563703

Ion Ratio Lower Upper

276 100

138 19.8 8.5 12.7#

277 26.7 18.6 28.0

