

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
 Data File : BM011754.D
 Acq On : 28 Sep 2017 09:48
 Operator : SJ/JU
 Sample : I5377-09
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 28 15:16:14 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM092717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 28 05:09:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	340509	20.00	ng/ul	0.00
18) Naphthalene-d8	10.75	136	1455159	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.57	164	742549	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.32	188	1391054	20.00	ng/ul	0.00
75) Chrysene-d12	21.49	240	1052752	20.00	ng/ul	0.00
83) Perylene-d12	23.84	264	1080668	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	25960	3.40	ng/uL	0.00
5) Phenol-d5	7.09	99	635036	18.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.26	67	512705	21.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.46	132	533033	21.39	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	492340	18.77	ng/ul	0.00
19) Nitrobenzene-d5	9.10	128	265066	23.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.82	143	275292	22.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.36	165	490716	21.24	ng/ul	0.00
29) 4-Chloroaniline-d4	10.87	131	192623	7.54	ng/ul	0.00
43) Dimethylphthalate-d6	13.97	166	1514925	23.79	ng/ul	0.00
46) Acenaphthylene-d8	14.27	160	1851140	24.04	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	80997	7.44	ng/ul	0.00
57) Fluorene-d10	15.56	176	1243595	22.68	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.68	200	71514	7.59	ng/ul	0.00
70) Anthracene-d10	17.42	188	1673112	23.64	ng/ul	0.00
76) Pyrene-d10	19.70	212	1567478	31.20	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.70	264	1262912	24.41	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	7.12	94	36853	1.088 ng/ul#	94
28) Naphthalene	10.79	128	191361	2.516 ng/ul	99
30) 4-Chloroaniline	10.79	127	25610	1.037 ng/ul#	31
34) 2-Methylnaphthalene	12.40	142	79325	1.471 ng/ul	96
44) Dimethylphthalate	14.02	163	329688	5.413 ng/ul	99
47) Acenaphthylene	14.30	152	88133	1.141 ng/ul#	94
49) Acenaphthene	14.63	153	122611	2.330 ng/ul	95
53) Dibenzofuran	14.97	168	112206	1.553 ng/ul	94
58) Fluorene	15.62	166	120560	1.970 ng/ul	98
69) Phenanthrene	17.36	178	2078637	26.699 ng/ul	98
71) Anthracene	17.45	178	409031	5.099 ng/ul	98
72) Carbazole	17.72	167	144975	2.063 ng/ul	97
74) Fluoranthene	19.37	202	2794694	29.400 ng/ul#	90
77) Pyrene	19.73	202	2639411	42.072 ng/ul#	90
80) Benzo(a)anthracene	21.47	228	1377192	23.383 ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.37	149	80177	2.048 ng/ul#	96
82) Chrysene	21.52	228	1315092	23.674 ng/ul	97
85) Benzo(b)fluoranthene	23.13	252	2066383	32.408 ng/ul#	93
86) Benzo(k)fluoranthene	23.13	252	2066383	31.768 ng/ul#	91
88) Benzo(a)pyrene	23.74	252	1483132	24.083 ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	26.27	276	1197417	18.675 ng/ul#	94
90) Dibenzo(a,h)anthracene	26.27	278	382785	7.128 ng/ul#	88
91) Benzo(g,h,i)perylene	27.03	276	1193527	22.426 ng/ul#	91

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Response via : Initial Calibration

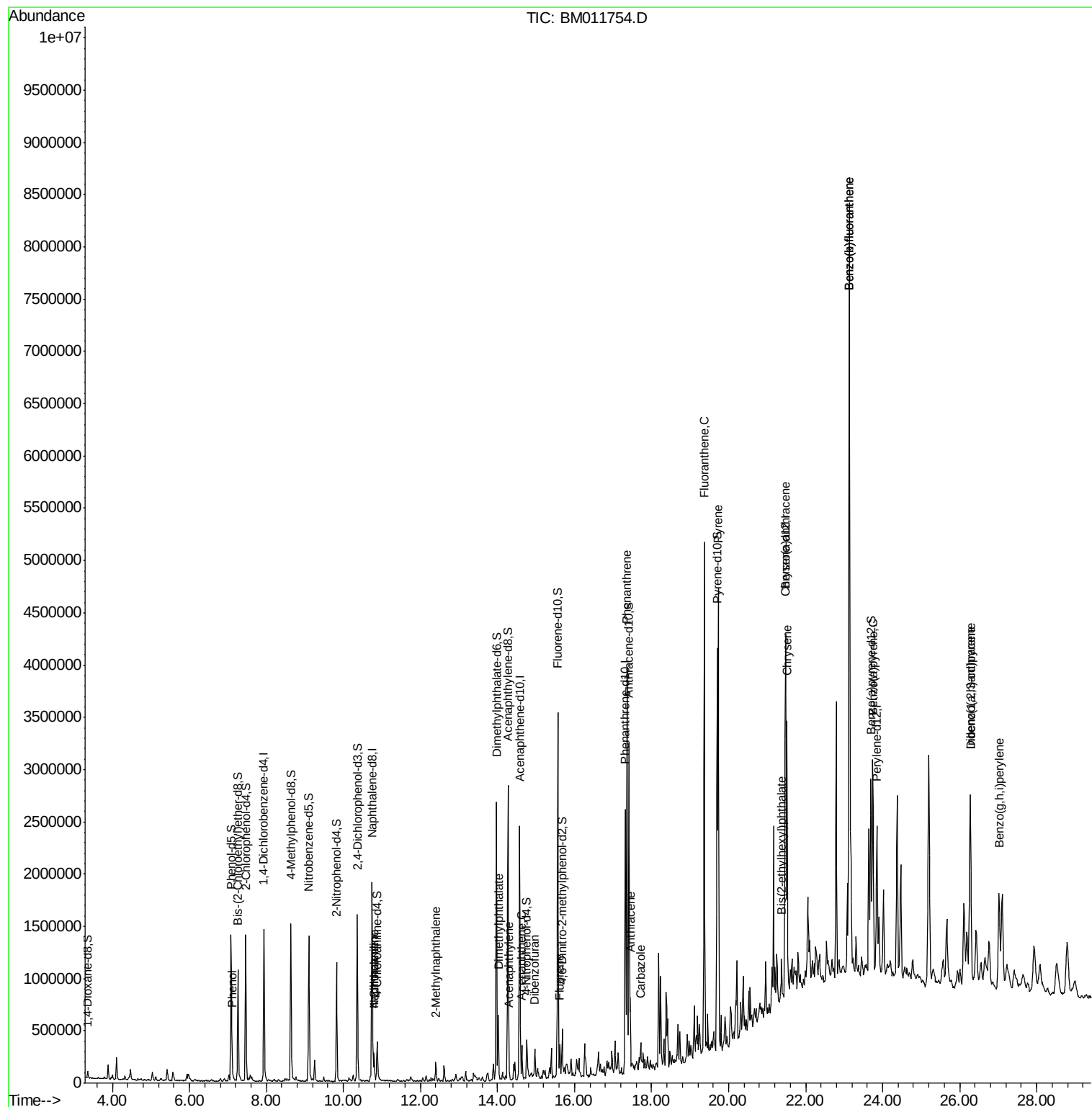
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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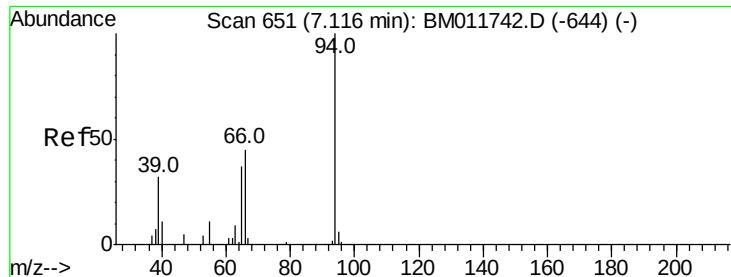
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_M
ClientSampled :

Quant Time: Sep 28 15:16:14 2017
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Response via : Initial Calibration





#6

Phenol

Concen: 1.088 ng/ul

RT: 7.12 min Scan# 651

Delta R.T. 0.00 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

Instrument :

BNA_M

ClientSampleId :

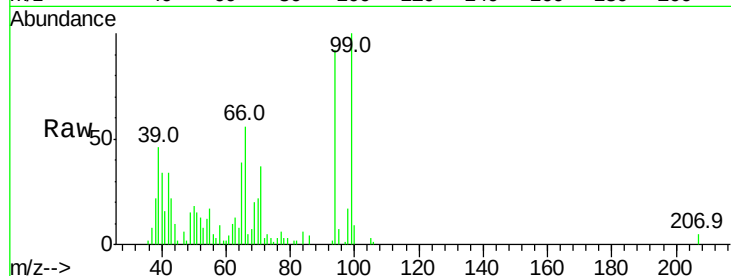
Tot Ion: 94 Resp: 36853

Ion Ratio Lower Upper

94 100

65 42.6 28.2 42.4#

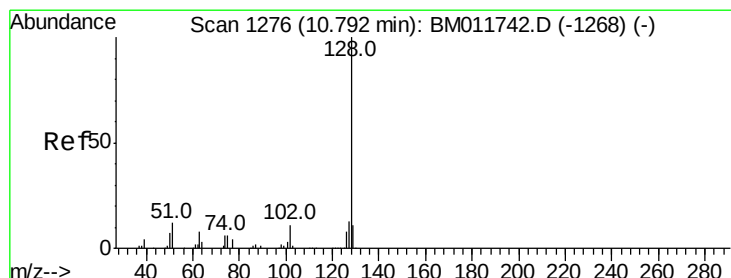
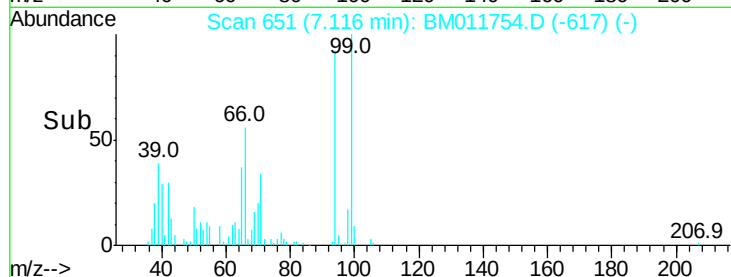
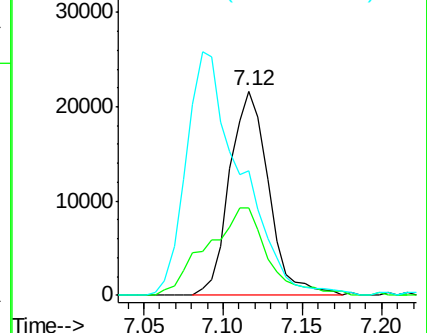
66 60.8 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM011742.D (-644) (-)

Ion 65.00 (64.70 to 65.70): BM011742.D (-644) (-)

Ion 66.00 (65.70 to 66.70): BM011742.D (-644) (-)



#28

Naphthalene

Concen: 2.516 ng/ul

RT: 10.79 min Scan# 1276

Delta R.T. 0.00 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

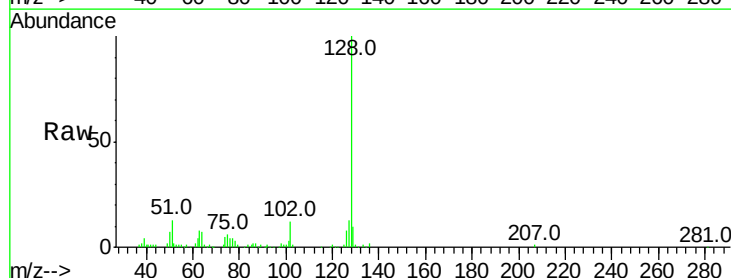
Tgt Ion: 128 Resp: 191361

Ion Ratio Lower Upper

128 100

129 10.2 8.8 13.2

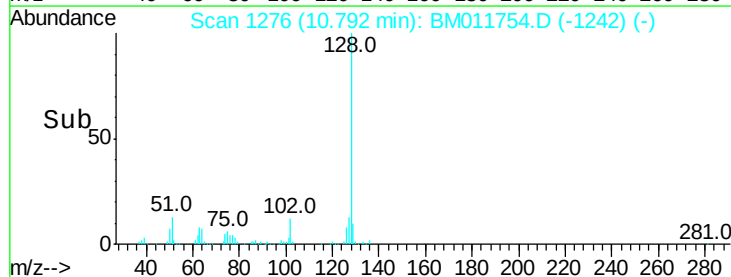
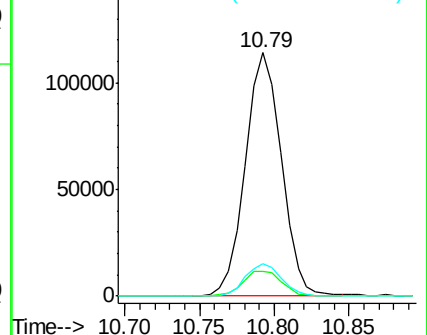
127 13.5 10.6 16.0

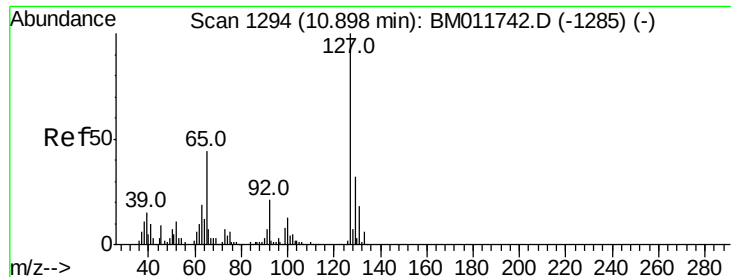


Abundance Ion 128.00 (127.70 to 128.70): BM011742.D (-1268) (-)

Ion 129.00 (128.70 to 129.70): BM011742.D (-1268) (-)

Ion 127.00 (126.70 to 127.70): BM011742.D (-1268) (-)

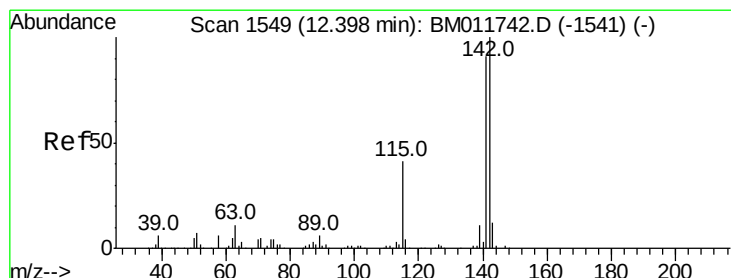
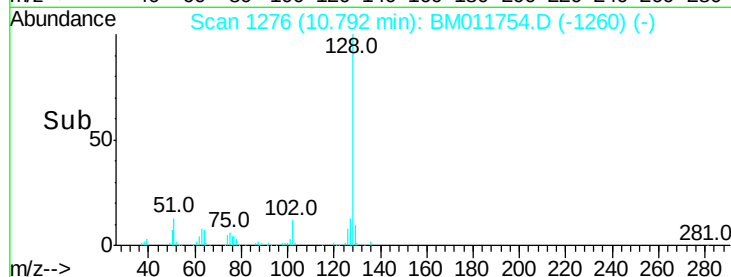
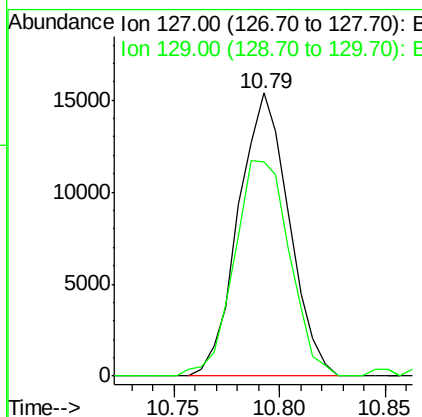
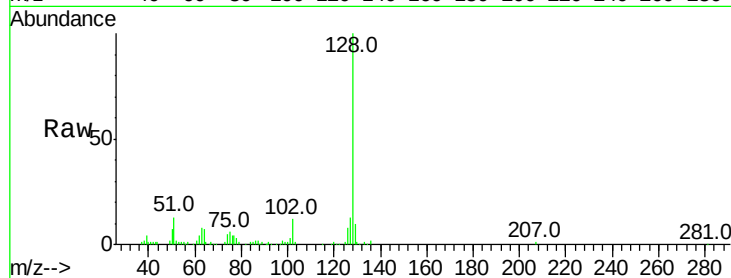




#30
4-Chloroaniline
Concen: 1.037 ng/ul
RT: 10.79 min Scan# 1276
Delta R.T. -0.11 min
Lab File: BM011754.D
Acq: 28 Sep 2017 09:48

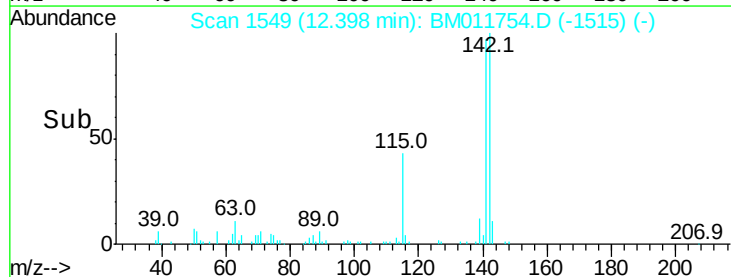
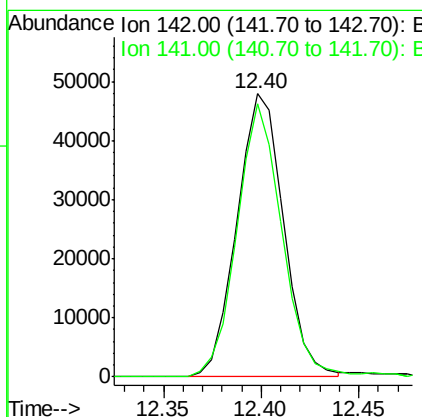
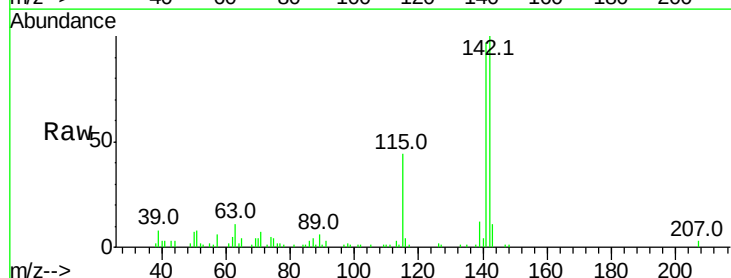
Instrument :
BNA_M
ClientSampleId :

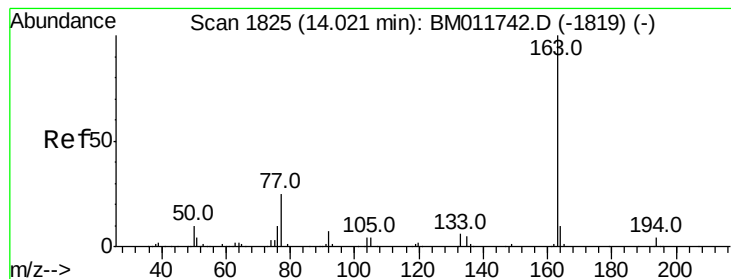
Tot Ion:127 Resp: 25610
Ion Ratio Lower Upper
127 100
129 75.9 28.4 42.6#



#34
2-Methylnaphthalene
Concen: 1.471 ng/ul
RT: 12.40 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BM011754.D
Acq: 28 Sep 2017 09:48

Tgt Ion:142 Resp: 79325
Ion Ratio Lower Upper
142 100
141 96.7 74.1 111.1





#44

Dimethylphthalate

Concen: 5.413 ng/ul

RT: 14.02 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

Instrument :

BNA_M

ClientSampleId :

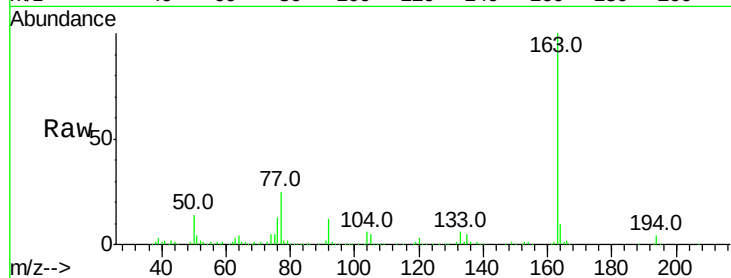
Tot Ion:163 Resp: 329688

Ion Ratio Lower Upper

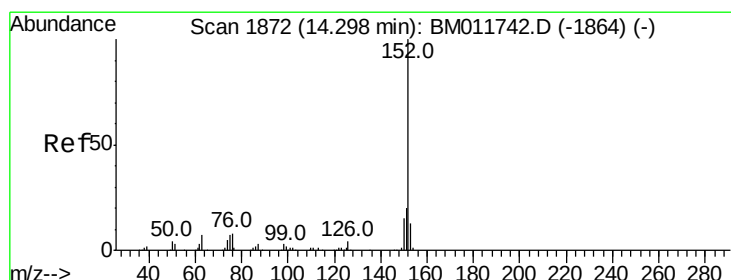
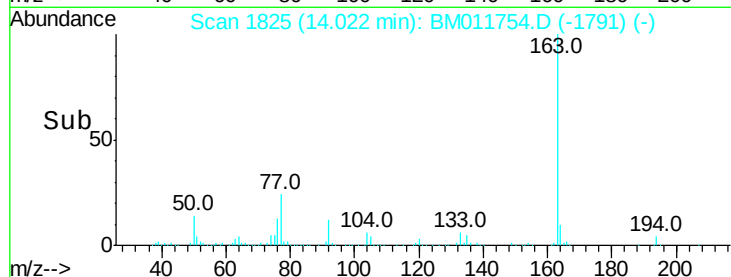
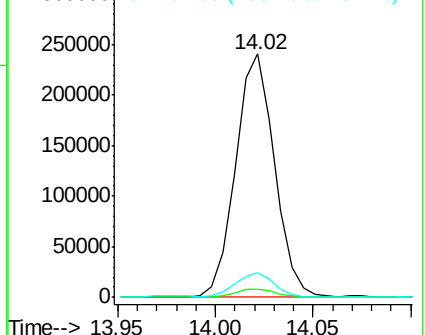
163 100

194 3.6 3.5 5.3

164 10.4 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#47

Acenaphthylene

Concen: 1.141 ng/ul

RT: 14.30 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

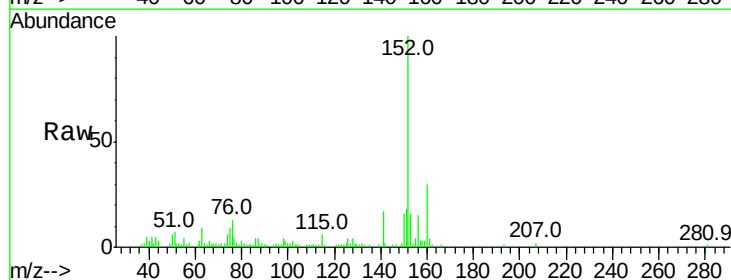
Tgt Ion:152 Resp: 88133

Ion Ratio Lower Upper

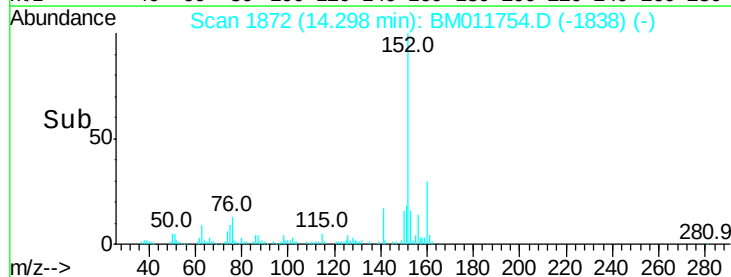
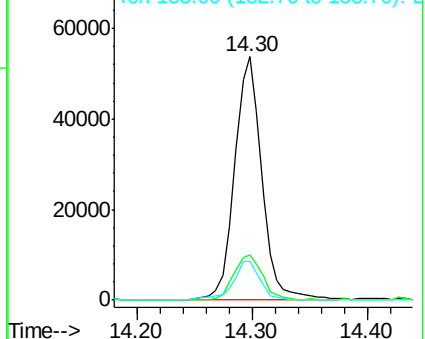
152 100

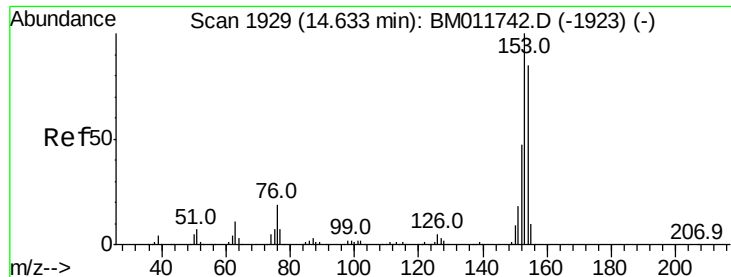
151 18.4 16.3 24.5

153 15.8 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: 2.330 ng/ul

RT: 14.63 min Scan# 1929

Delta R.T. 0.00 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

Instrument :

BNA_M

ClientSampleId :

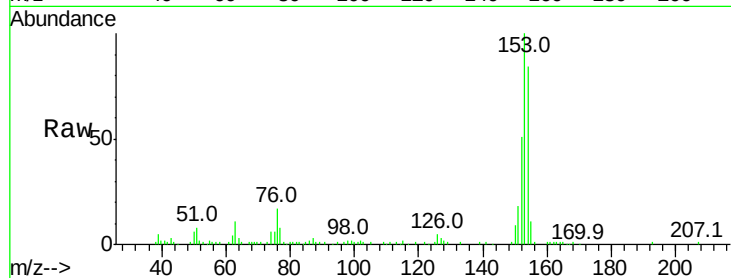
Tot Ion:153 Resp: 122611

Ion Ratio Lower Upper

153 100

152 50.5 37.6 56.4

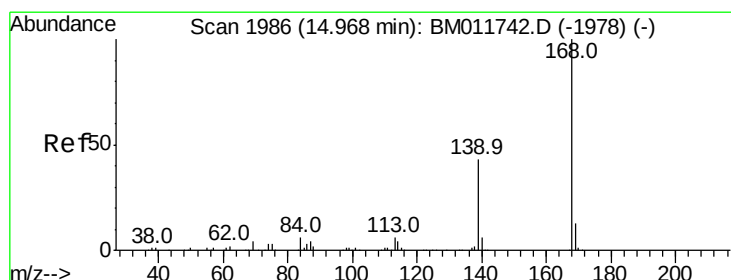
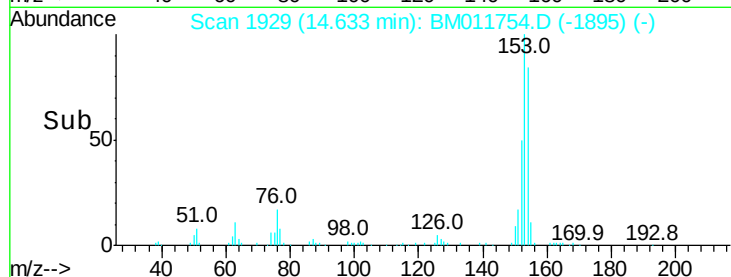
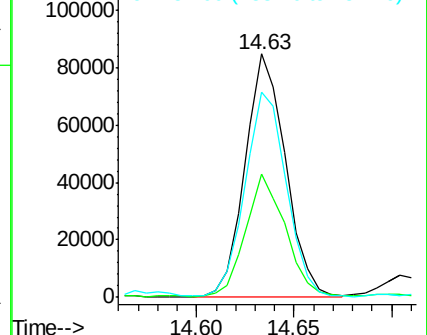
154 84.1 70.4 105.6



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



#53

Dibenzofuran

Concen: 1.553 ng/ul

RT: 14.97 min Scan# 1986

Delta R.T. 0.00 min

Lab File: BM011754.D

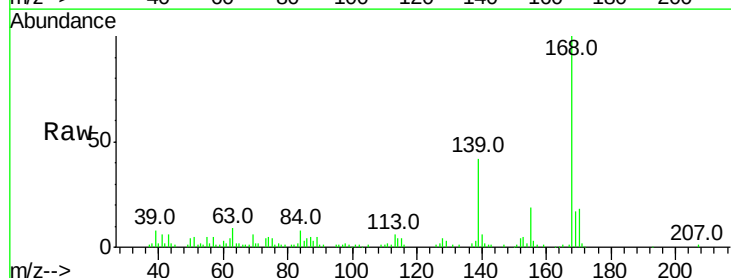
Acq: 28 Sep 2017 09:48

Tgt Ion:168 Resp: 112206

Ion Ratio Lower Upper

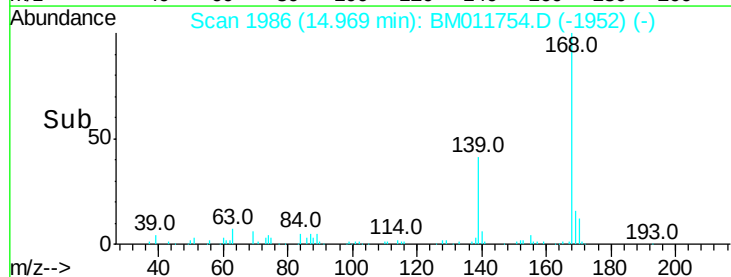
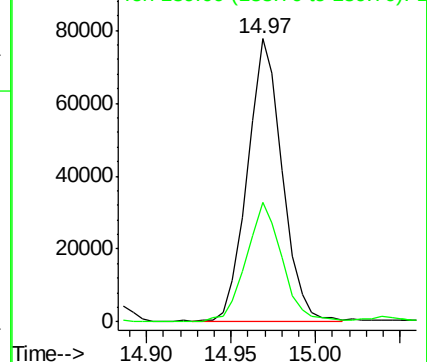
168 100

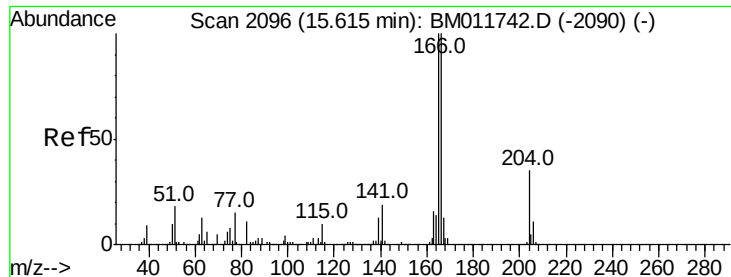
139 42.0 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 1.970 ng/ul

RT: 15.62 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

Instrument :

BNA_M

ClientSampleId :

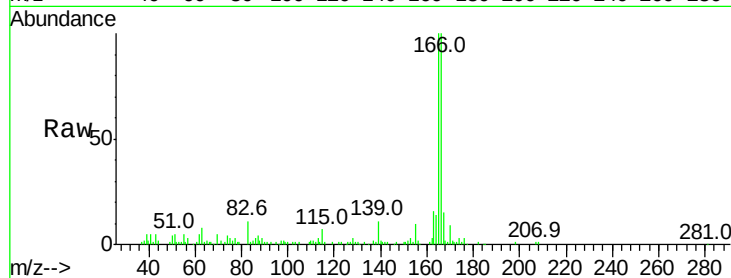
Tot Ion:166 Resp: 120560

Ion Ratio Lower Upper

166 100

165 99.6 77.9 116.9

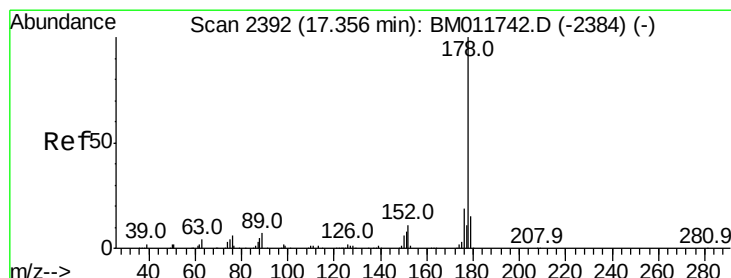
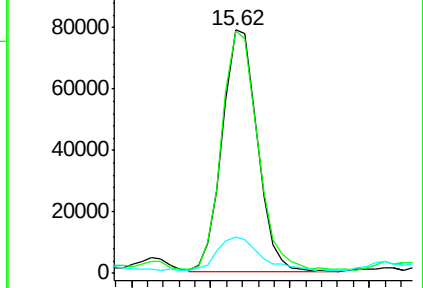
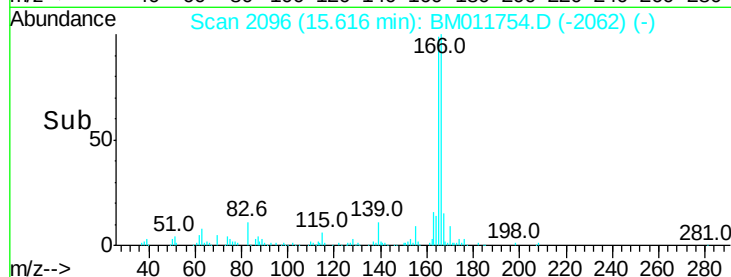
167 14.8 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 26.699 ng/ul

RT: 17.36 min Scan# 2392

Delta R.T. 0.00 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

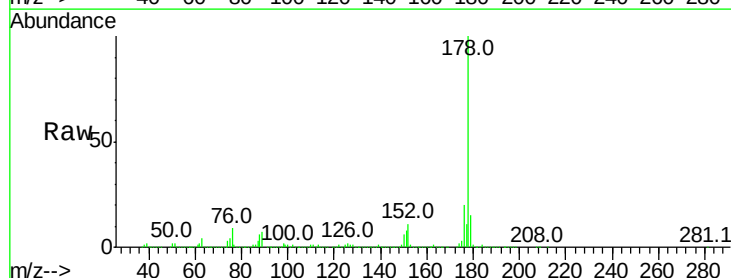
Tgt Ion:178 Resp: 2078637

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

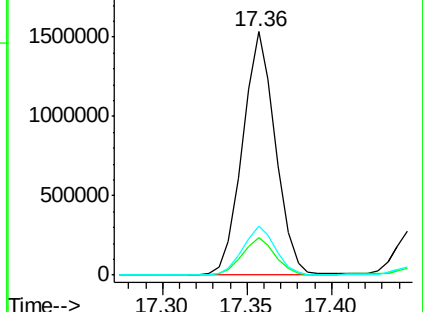
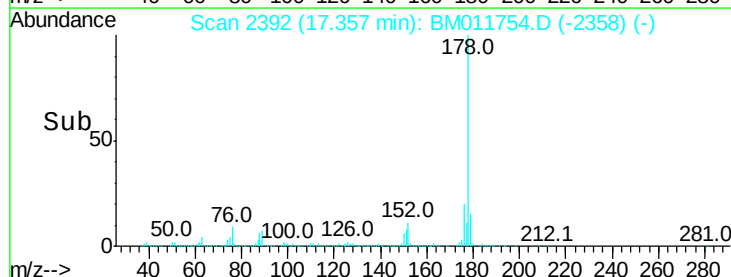
176 20.1 14.9 22.3

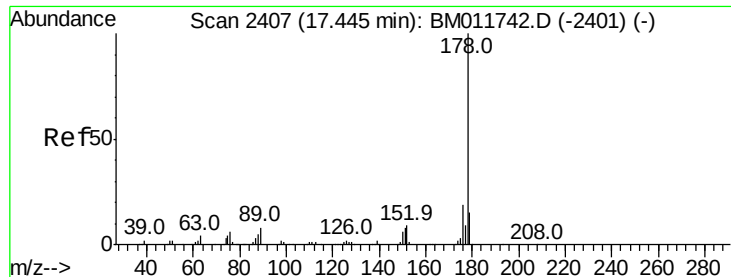


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 5.099 ng/ul

RT: 17.45 min Scan# 2408

Delta R.T. 0.01 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

Instrument :

BNA_M

ClientSampleId :

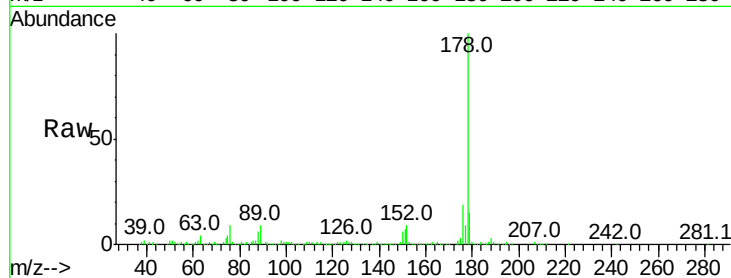
Tot Ion:178 Resp: 409031

Ion Ratio Lower Upper

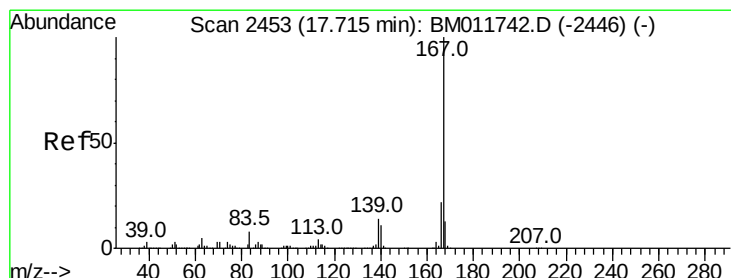
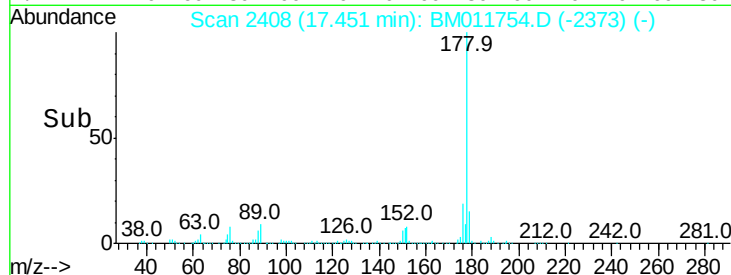
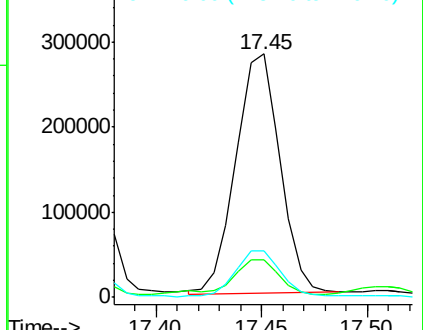
178 100

179 15.3 11.7 17.5

176 19.2 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: 2.063 ng/ul

RT: 17.72 min Scan# 2453

Delta R.T. 0.00 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

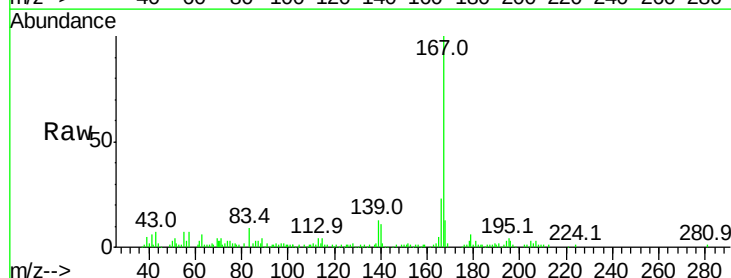
Tgt Ion:167 Resp: 144975

Ion Ratio Lower Upper

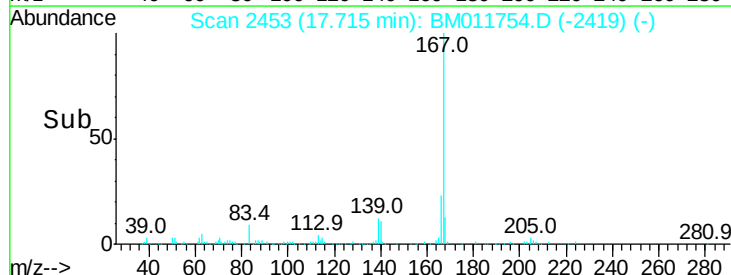
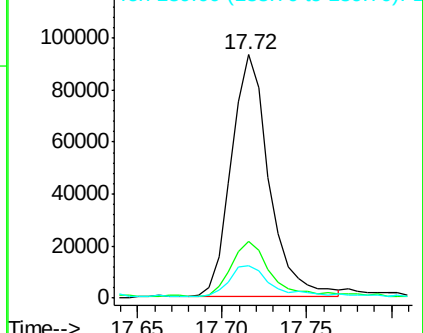
167 100

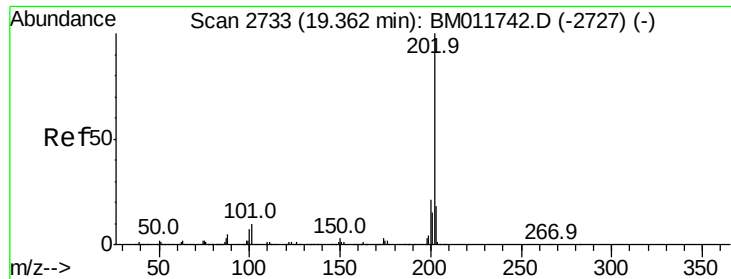
166 23.3 17.1 25.7

139 13.2 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

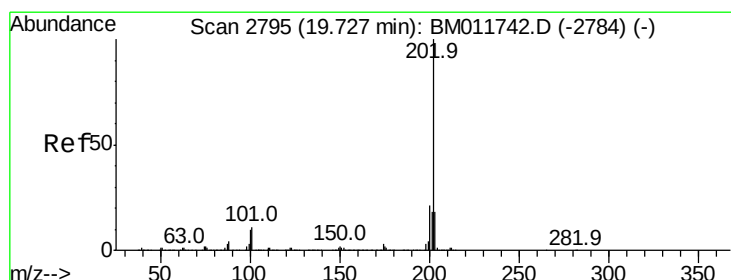
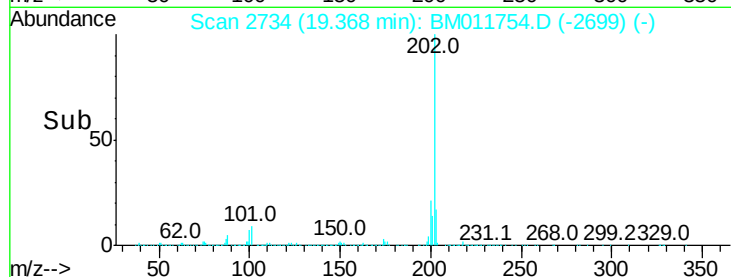
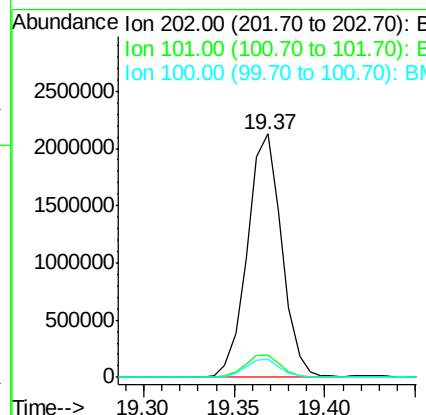
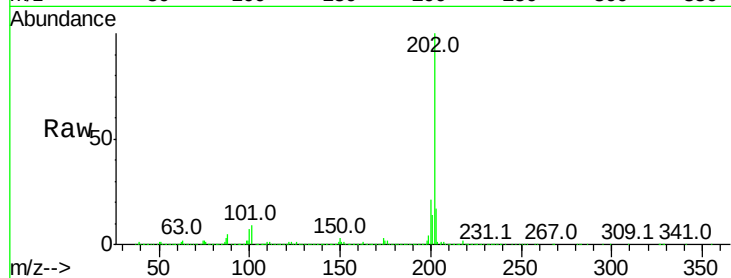




#74
 Fluoranthene
 Concen: 29.400 ng/ul
 RT: 19.37 min Scan# 2734
 Delta R.T. 0.01 min
 Lab File: BM011754.D
 Acq: 28 Sep 2017 09:48

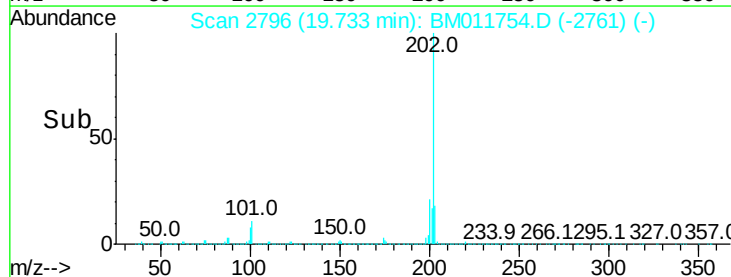
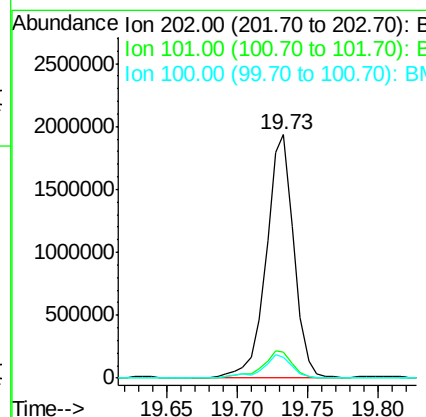
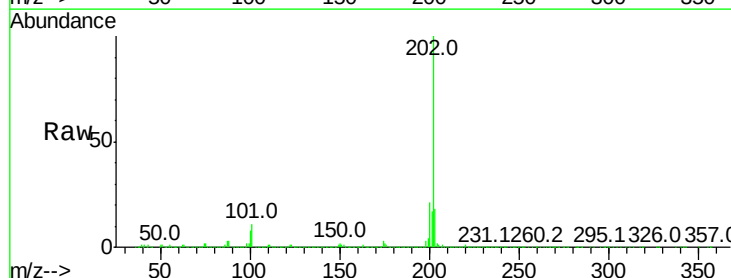
Instrument :
 BNA_M
 ClientSampleId :

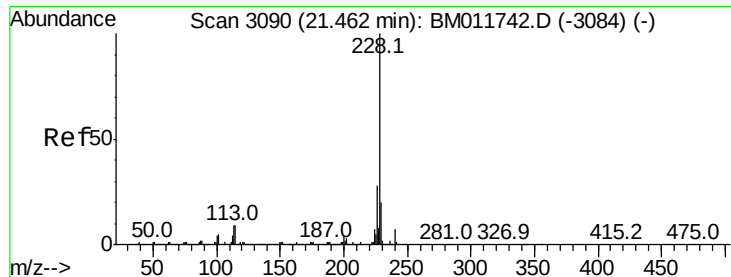
Tot Ion:202 Resp: 2794694
 Ion Ratio Lower Upper
 202 100
 101 9.3 4.6 7.0#
 100 7.4 3.4 5.2#



#77
 Pyrene
 Concen: 42.072 ng/ul
 RT: 19.73 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: BM011754.D
 Acq: 28 Sep 2017 09:48

Tgt Ion:202 Resp: 2639411
 Ion Ratio Lower Upper
 202 100
 101 10.6 5.1 7.7#
 100 8.4 4.9 7.3#





#80

Benzo(a)anthracene

Concen: 23.383 ng/ul

RT: 21.47 min Scan# 3091

Delta R.T. 0.01 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

Instrument :

BNA_M

ClientSampleId :

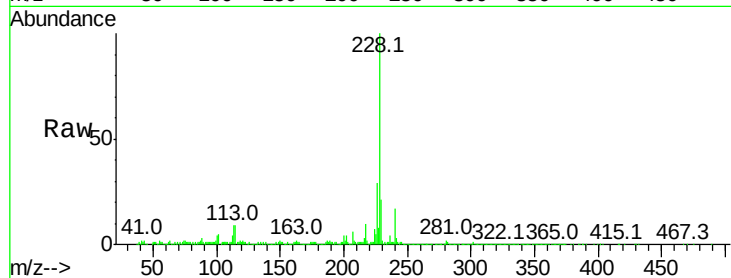
Tot Ion:228 Resp: 1377192

Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.4	23.0
226	29.2	21.4	32.0

228 100

229 20.8 15.4 23.0

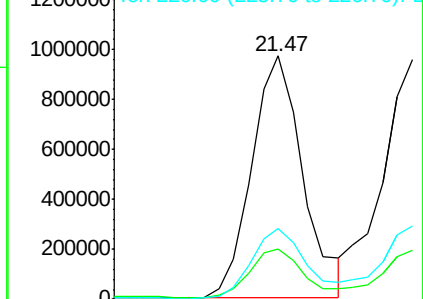
226 29.2 21.4 32.0



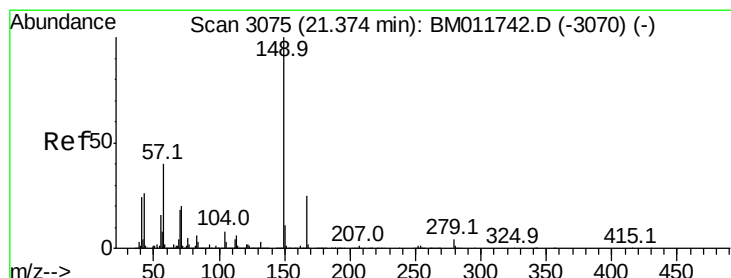
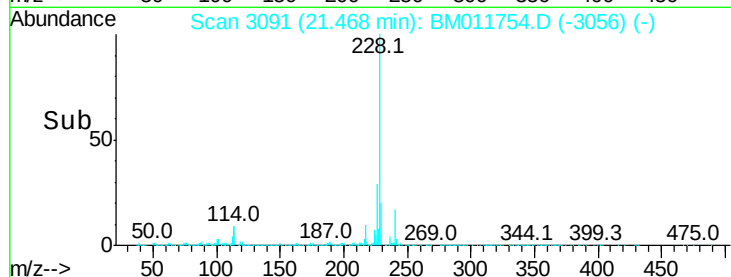
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



Time-->



#81

Bis(2-ethylhexyl)phthalate

Concen: 2.048 ng/ul

RT: 21.37 min Scan# 3075

Delta R.T. 0.00 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

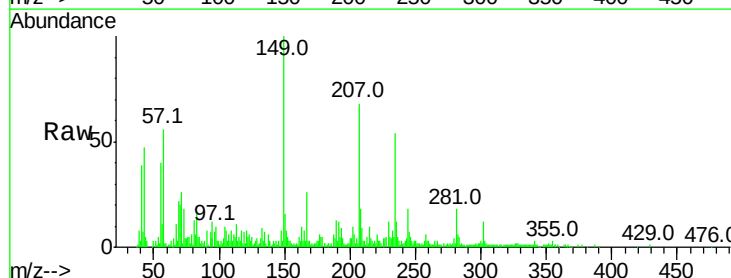
Tgt Ion:149 Resp: 80177

Ion	Ratio	Lower	Upper
149	100		
167	26.4	22.8	34.2
279	4.3	4.9	7.3#

149 100

167 26.4 22.8 34.2

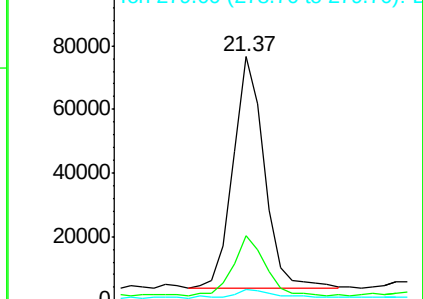
279 4.3 4.9 7.3#



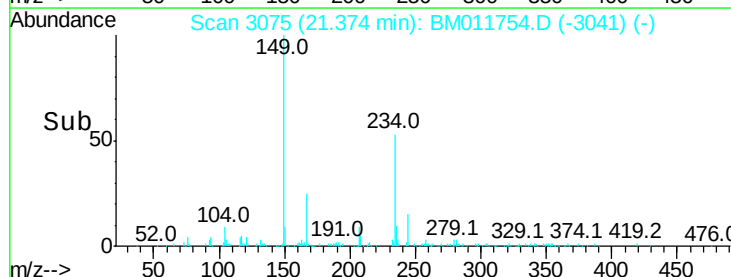
Abundance Ion 149.00 (148.70 to 149.70): E

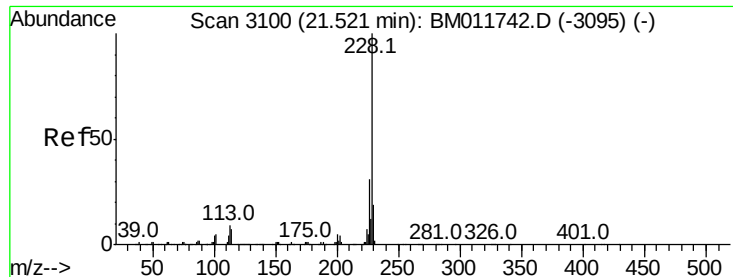
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#82

Chrysene

Concen: 23.674 ng/ul

RT: 21.52 min Scan# 3100

Delta R.T. 0.00 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

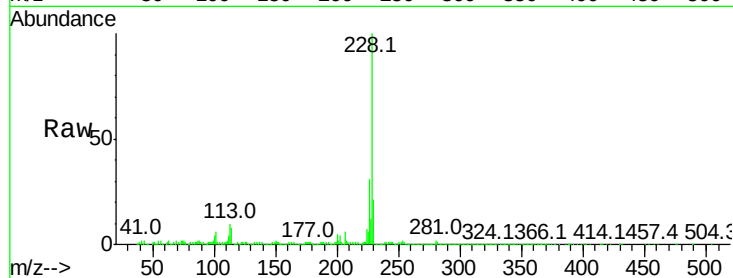
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1315092

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.4	35.2
229	20.6	15.5	23.3

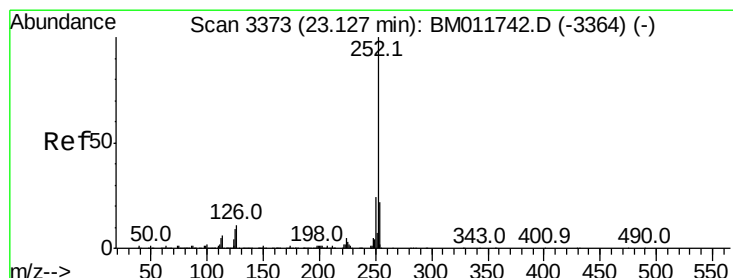
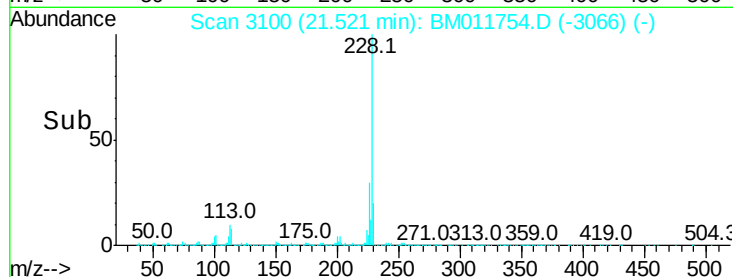
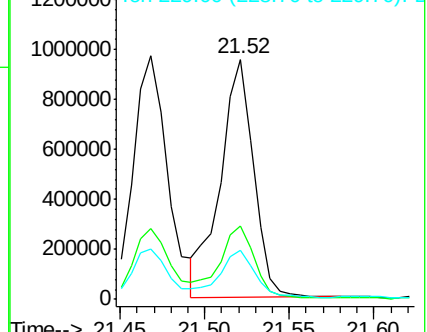


Abundance

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: 32.408 ng/ul

RT: 23.13 min Scan# 3374

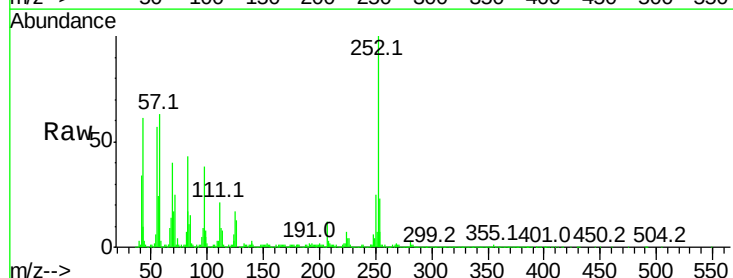
Delta R.T. 0.01 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

Tgt Ion:252 Resp: 2066383

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	16.9	3.6	5.4

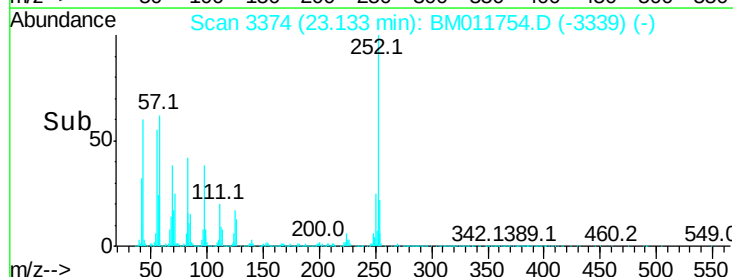
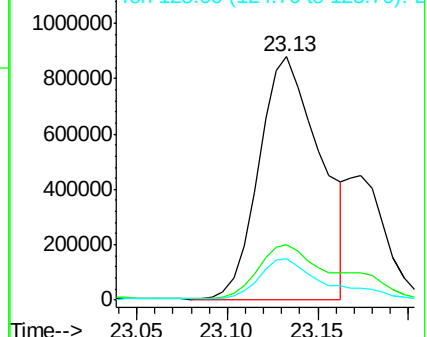


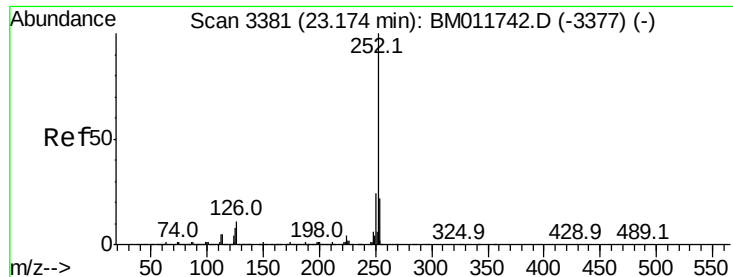
Abundance

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: 31.768 ng/ul

RT: 23.13 min Scan# 3374

Delta R.T. -0.04 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

Instrument :

BNA_M

ClientSampled :

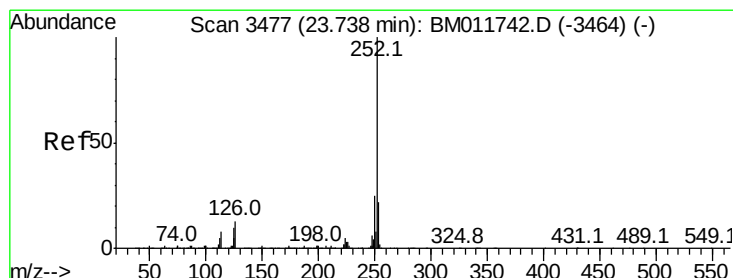
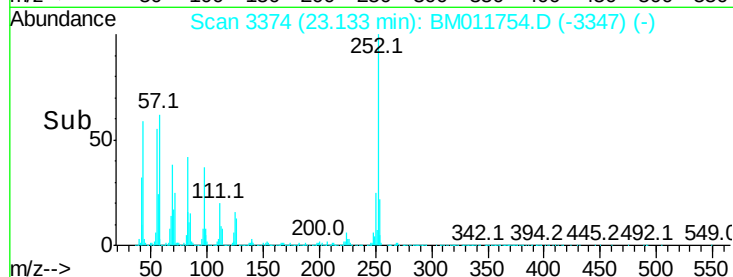
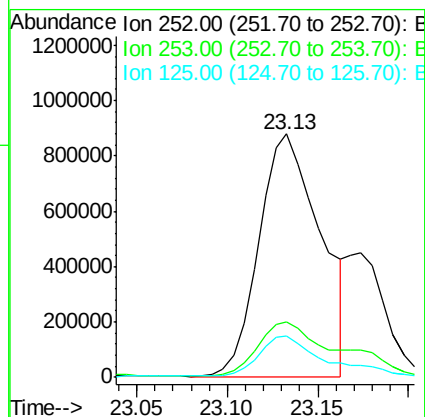
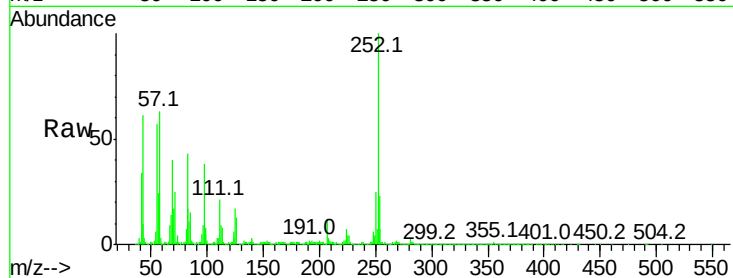
Tot Ion:252 Resp: 2066383

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

125 16.9 3.4 5.2#



#88

Benzo(a)pyrene

Concen: 24.083 ng/ul

RT: 23.74 min Scan# 3478

Delta R.T. 0.01 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

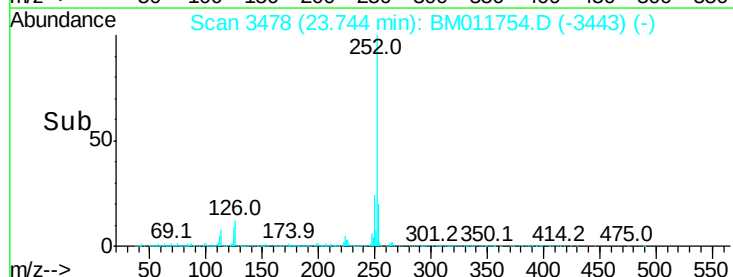
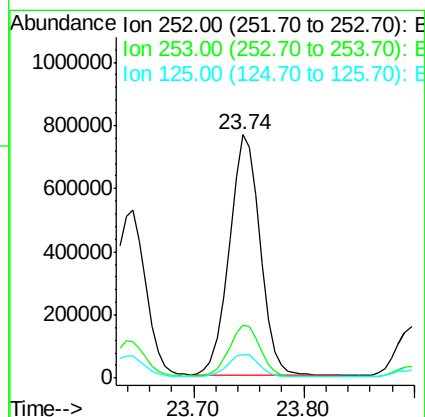
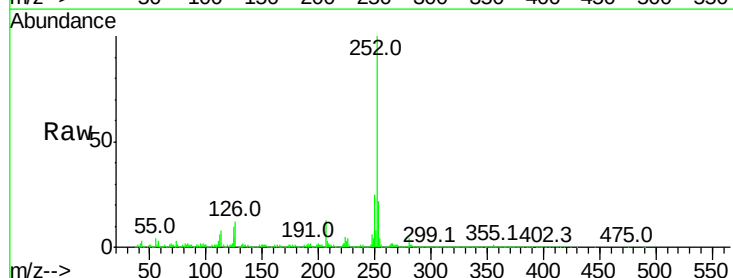
Tgt Ion:252 Resp: 1483132

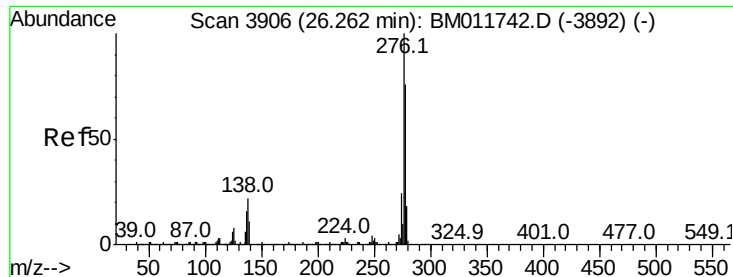
Ion Ratio Lower Upper

252 100

253 21.5 18.2 27.2

125 9.9 4.0 6.0#



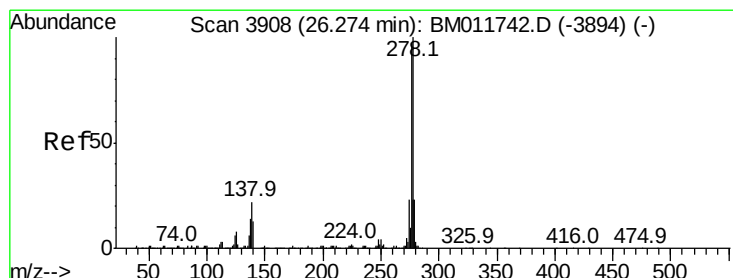
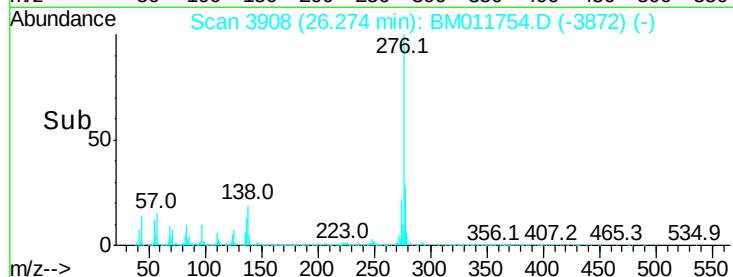
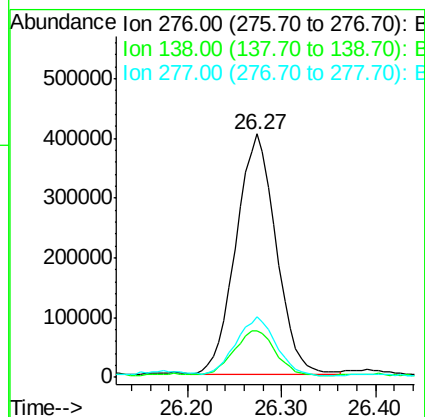
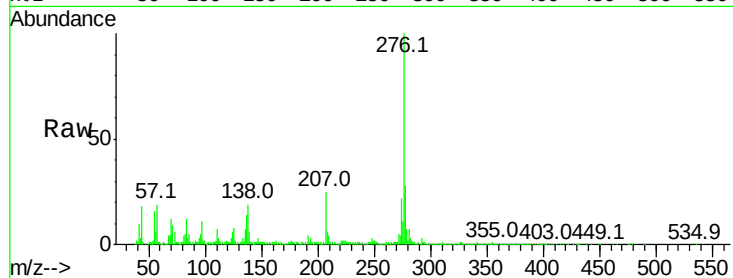


#89

Indeno(1,2,3-cd)pyrene
Concen: 18.675 ng/ul
RT: 26.27 min Scan# 3908
Delta R.T. 0.01 min
Lab File: BM011754.D
Acq: 28 Sep 2017 09:48

Instrument :
BNA_M
ClientSampleId :

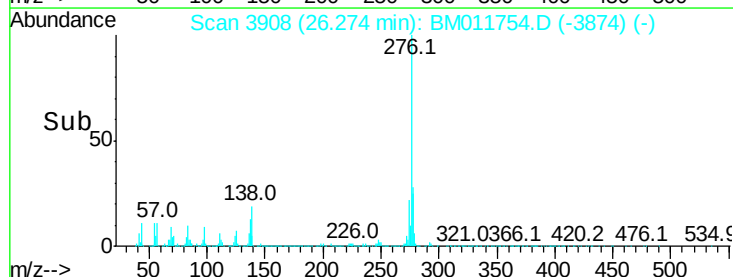
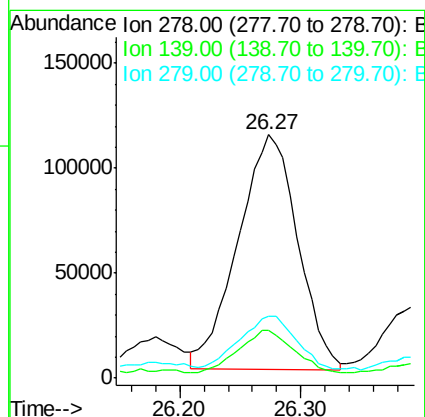
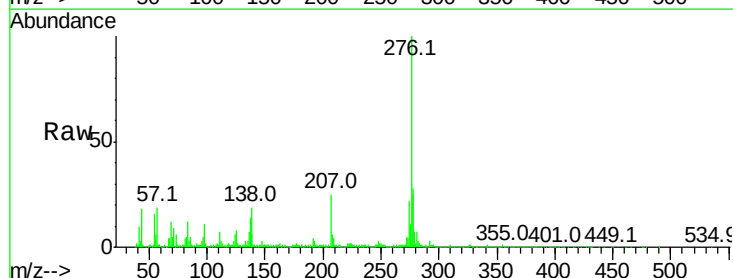
Tot Ion:276 Resp: 1197417
Ion Ratio Lower Upper
276 100
138 18.9 9.3 13.9#
277 25.0 19.9 29.9

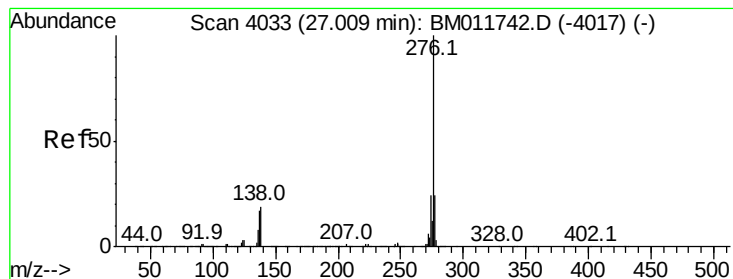


#90

Dibenzo(a,h)anthracene
Concen: 7.128 ng/ul
RT: 26.27 min Scan# 3908
Delta R.T. 0.00 min
Lab File: BM011754.D
Acq: 28 Sep 2017 09:48

Tgt Ion:278 Resp: 382785
Ion Ratio Lower Upper
278 100
139 19.5 5.8 8.8#
279 25.2 18.6 27.8





#91

Benzo(a,h,i)perylene

Concen: 22.426 ng/ul

RT: 27.03 min Scan# 4036

Delta R.T. 0.02 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

Instrument :

BNA_M

ClientSampleId :

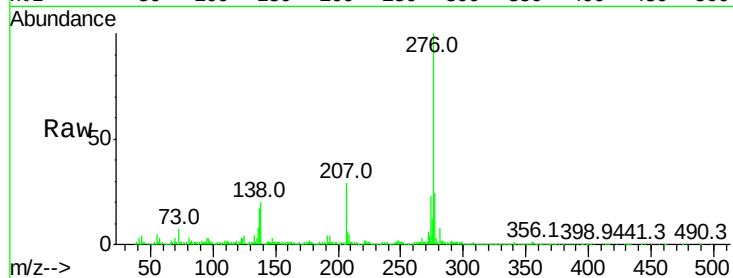
Tot Ion:276 Resp: 1193527

Ion Ratio Lower Upper

276 100

138 19.6 8.5 12.7#

277 24.2 18.6 28.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

