

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
 Data File : BM011746.D
 Acq On : 28 Sep 2017 04:58
 Operator : SJ/JU
 Sample : I5377-16
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 28 05:51:00 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	300056	20.00	ng/ul	0.00
18) Naphthalene-d8	10.74	136	1307643	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.57	164	719271	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.32	188	1500902	20.00	ng/ul	0.00
75) Chrysene-d12	21.48	240	1129703	20.00	ng/ul	0.00
83) Perylene-d12	23.84	264	981508	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	10476	1.56	ng/uL	0.00
5) Phenol-d5	7.09	99	313678	10.63	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.26	67	406034	18.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.46	132	308636	14.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	291107	12.59	ng/ul	0.00
19) Nitrobenzene-d5	9.10	128	209370	20.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.82	143	87296	8.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.36	165	240167	11.57	ng/ul	0.00
29) 4-Chloroaniline-d4	10.89	131	16242	0.71	ng/ul	0.01
43) Dimethylphthalate-d6	13.97	166	682201	11.06	ng/ul	0.00
46) Acenaphthylene-d8	14.26	160	1565544	20.98	ng/ul	0.00
51) 4-Nitrophenol-d4	14.75	143	180	0.02	ng/ul	0.00
57) Fluorene-d10	15.56	176	1081266	20.35	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.68	200	7198	0.71	ng/ul	0.00
70) Anthracene-d10	17.41	188	1551270	20.31	ng/ul	0.00
76) Pyrene-d10	19.70	212	1569752	29.12	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.69	264	967961	20.60	ng/ul	0.00

Target Compounds

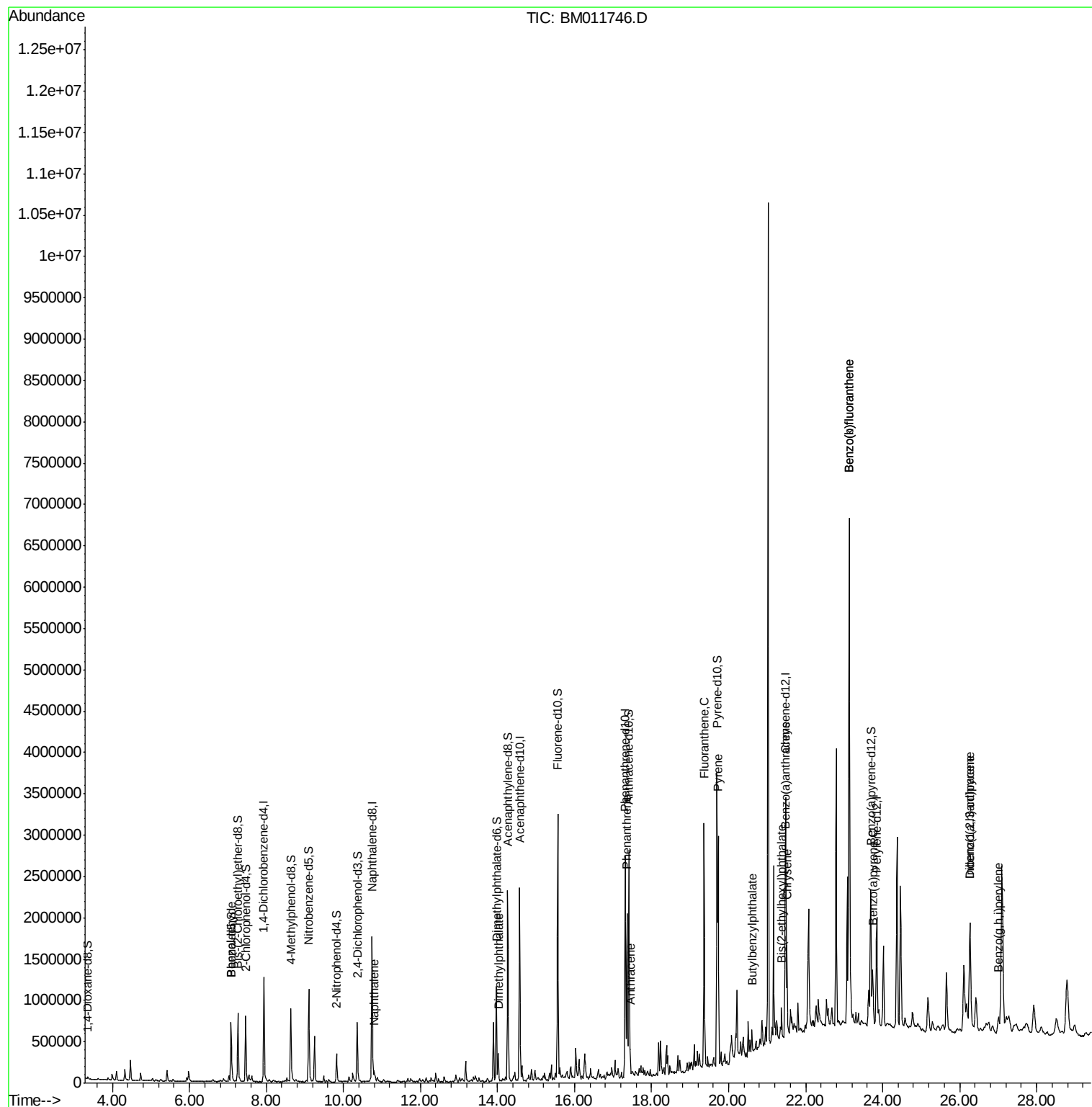
					Ovalue	
4) Benzaldehyde	7.08	77	29087	2.010	ng/ul	94
28) Naphthalene	10.79	128	91835	1.344	ng/ul	99
44) Dimethylphthalate	14.02	163	183277	3.106	ng/ul	97
69) Phenanthrene	17.36	178	1108294	13.194	ng/ul	99
71) Anthracene	17.45	178	172916	1.998	ng/ul	98
74) Fluoranthene	19.36	202	1722359	16.793	ng/ul#	88
77) Pyrene	19.73	202	1555176	23.101	ng/ul#	88
78) Butylbenzylphthalate	20.61	149	80606	2.865	ng/ul#	95
80) Benzo(a)anthracene	21.46	228	610742	9.663	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.37	149	93453	2.225	ng/ul#	96
82) Chrysene	21.52	228	624051	10.469	ng/ul	98
85) Benzo(b)fluoranthene	23.13	252	717792	12.395	ng/ul#	85
86) Benzo(k)fluoranthene	23.13	252	717792	12.150	ng/ul#	83
88) Benzo(a)pyrene	23.74	252	439213	7.853	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.26	276	289310	4.968	ng/ul#	90
90) Dibenzo(a,h)anthracene	26.26	278	77684	1.593	ng/ul#	70
91) Benzo(g,h,i)perylene	27.00	276	272214	5.632	ng/ul#	90

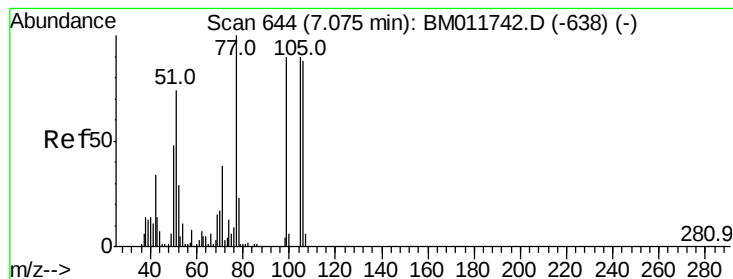
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 2.010 ng/ul

RT: 7.08 min Scan# 645

Delta R.T. 0.01 min

Lab File: BM011746.D

Acq: 28 Sep 2017 04:58

Instrument :

BNA_M

ClientSampleId :

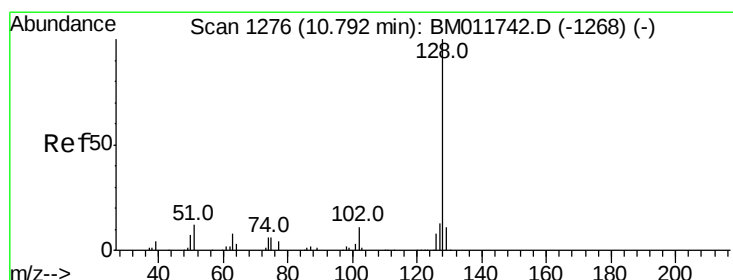
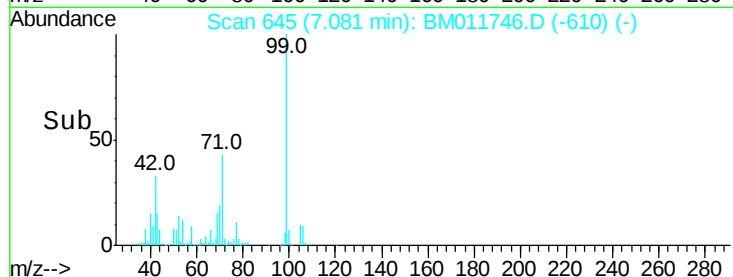
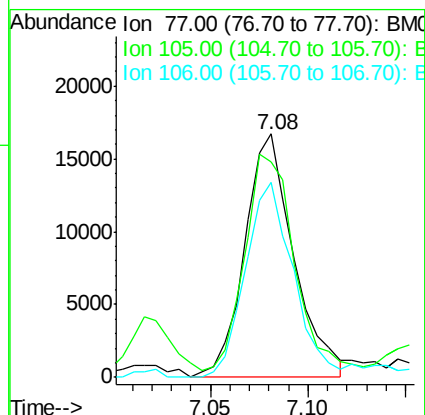
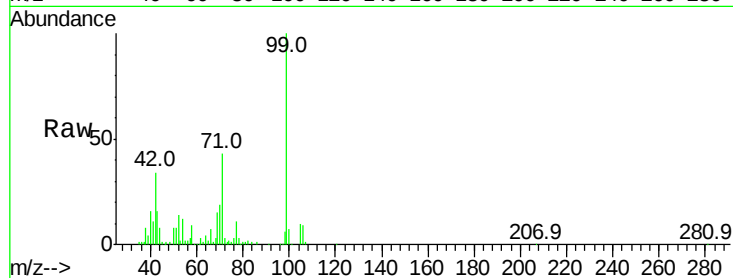
Tot Ion: 77 Resp: 29087

Ion Ratio Lower Upper

77 100

105 88.3 66.1 99.1

106 80.1 67.8 101.6



#28

Naphthalene

Concen: 1.344 ng/ul

RT: 10.79 min Scan# 1276

Delta R.T. 0.00 min

Lab File: BM011746.D

Acq: 28 Sep 2017 04:58

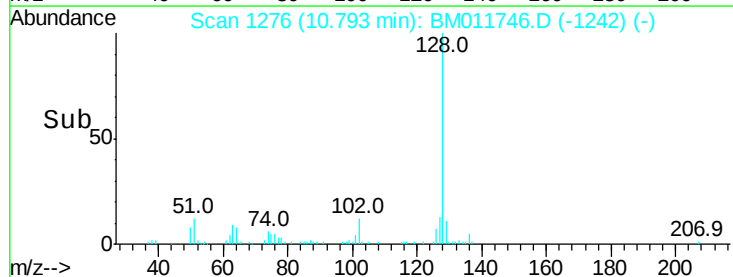
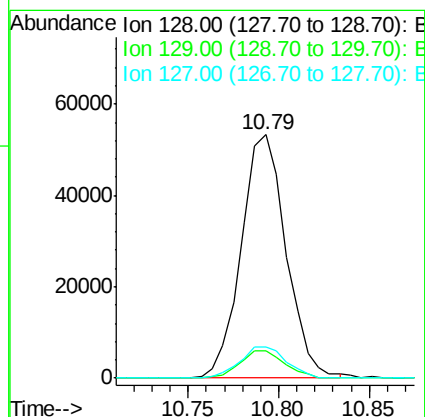
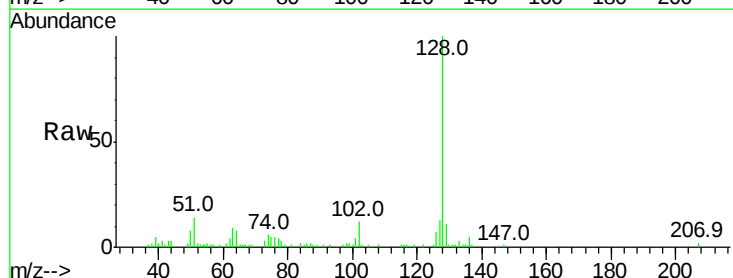
Tgt Ion: 128 Resp: 91835

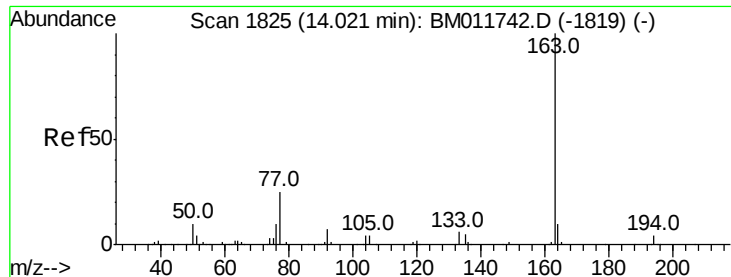
Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

127 13.0 10.6 16.0





#44

Dimethylphthalate

Concen: 3.106 ng/ul

RT: 14.02 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BM011746.D

Acq: 28 Sep 2017 04:58

Instrument :

BNA_M

ClientSampleId :

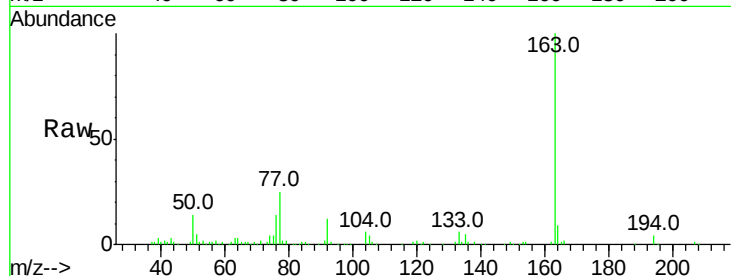
Tot Ion:163 Resp: 183277

Ion Ratio Lower Upper

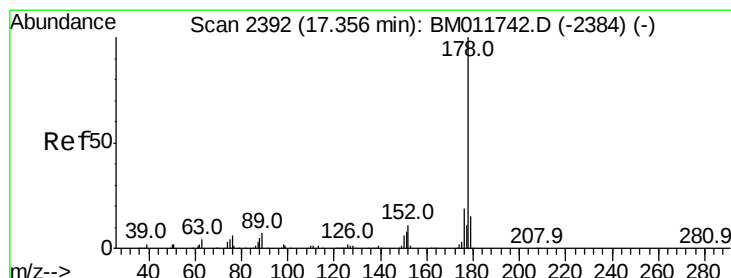
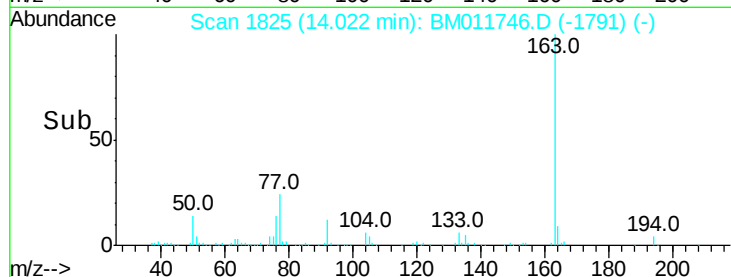
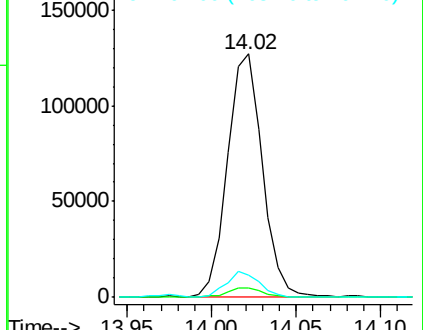
163 100

194 4.0 3.5 5.3

164 9.0 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



#69

Phenanthrene

Concen: 13.194 ng/ul

RT: 17.36 min Scan# 2392

Delta R.T. 0.00 min

Lab File: BM011746.D

Acq: 28 Sep 2017 04:58

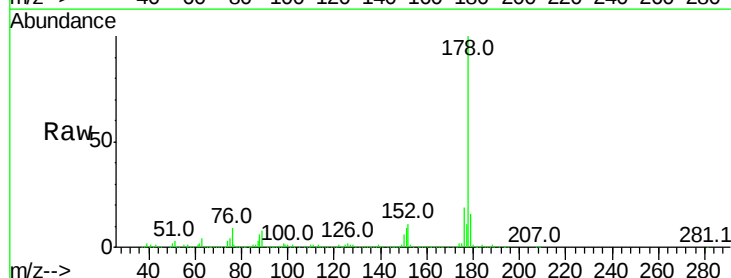
Tgt Ion:178 Resp: 1108294

Ion Ratio Lower Upper

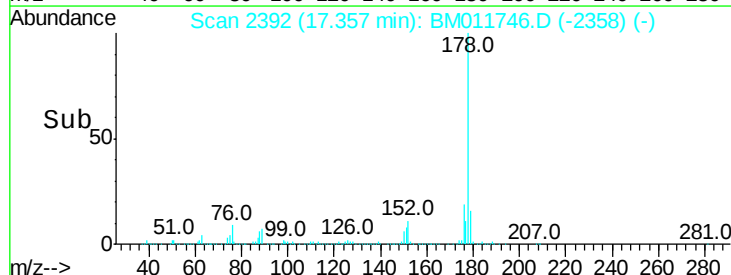
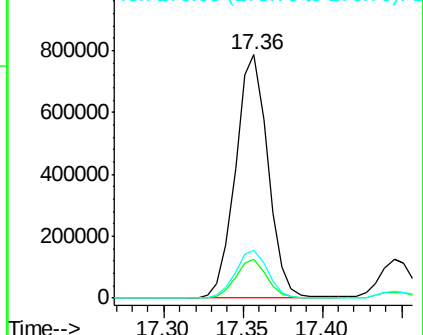
178 100

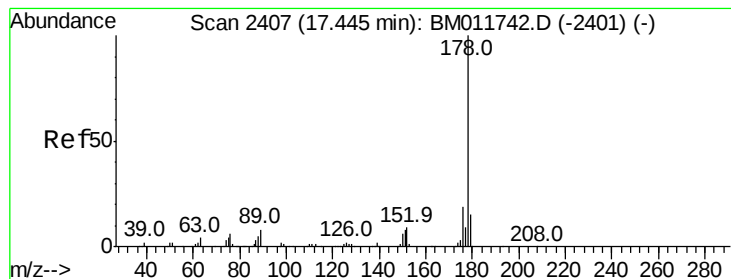
179 15.8 12.6 19.0

176 19.5 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: 1.998 ng/ul

RT: 17.45 min Scan# 2407

Delta R.T. 0.00 min

Lab File: BM011746.D

Acq: 28 Sep 2017 04:58

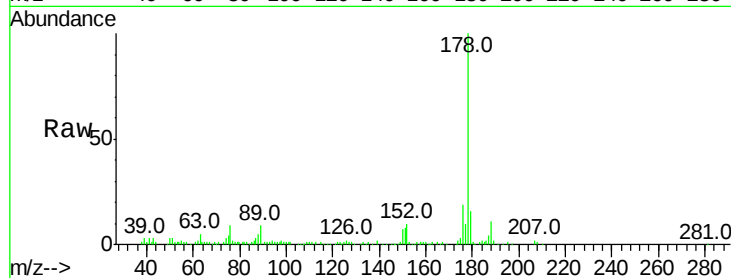
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 172916

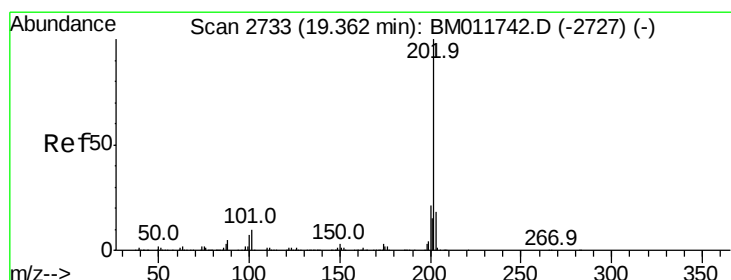
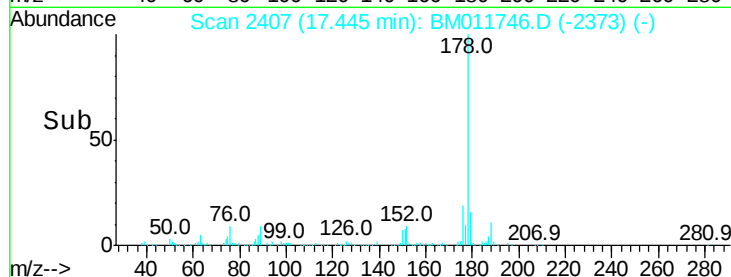
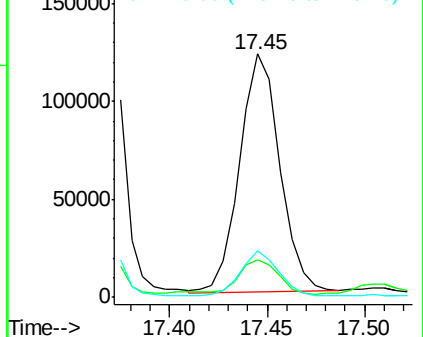
Ion	Ratio	Lower	Upper
178	100		
179	15.6	11.7	17.5
176	19.2	14.6	21.8



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



#74

Fluoranthene

Concen: 16.793 ng/ul

RT: 19.36 min Scan# 2733

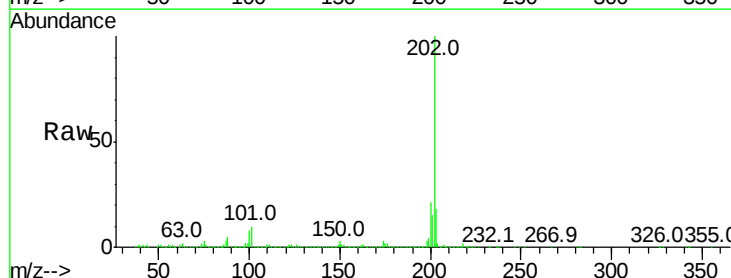
Delta R.T. 0.00 min

Lab File: BM011746.D

Acq: 28 Sep 2017 04:58

Tgt Ion:202 Resp: 1722359

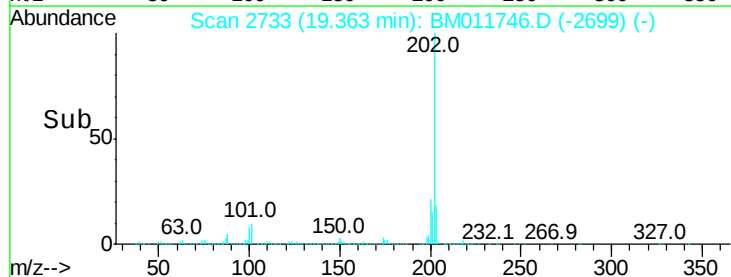
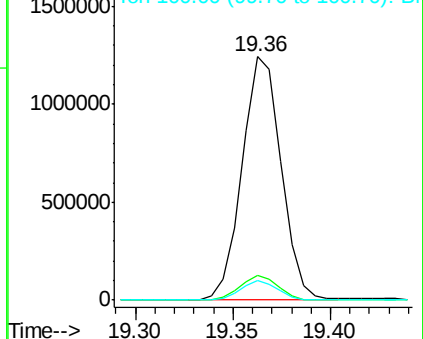
Ion	Ratio	Lower	Upper
202	100		
101	10.3	4.6	7.0#
100	7.8	3.4	5.2#

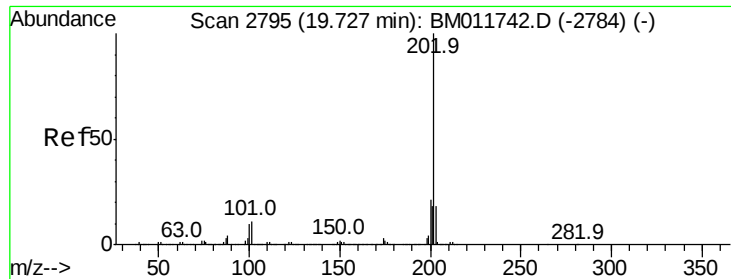


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

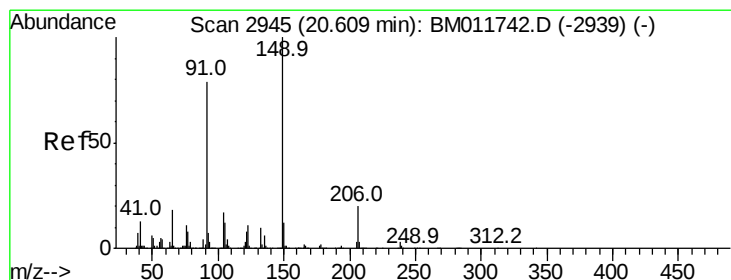
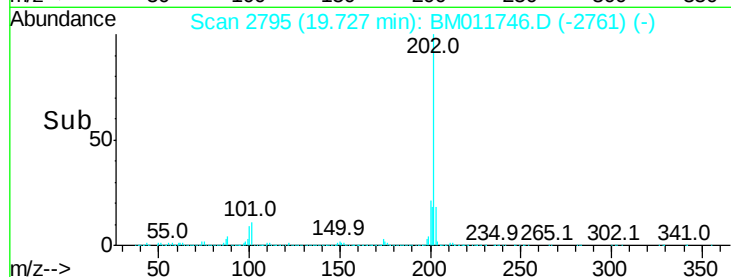
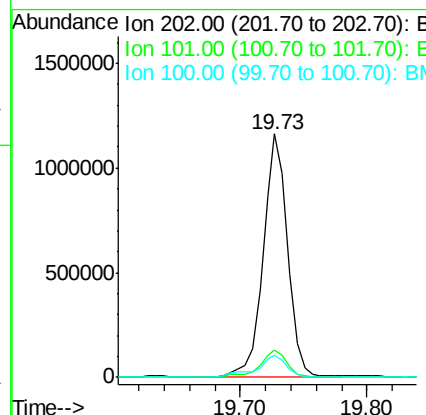
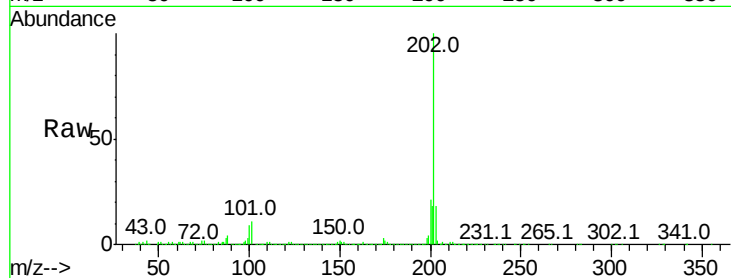




#77
Pvrene
Concen: 23.101 ng/ul
RT: 19.73 min Scan# 2795
Delta R.T. 0.00 min
Lab File: BM011746.D
Acq: 28 Sep 2017 04:58

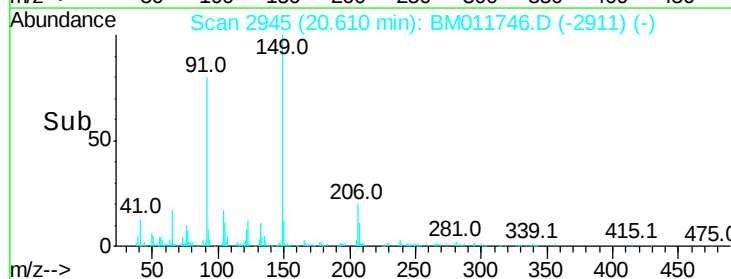
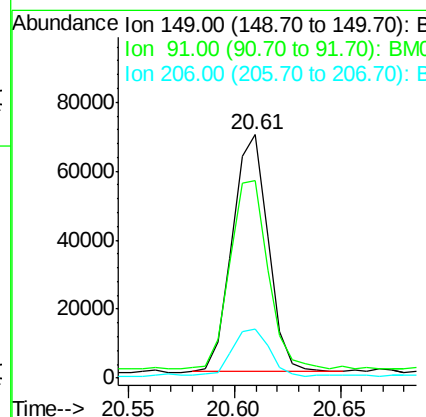
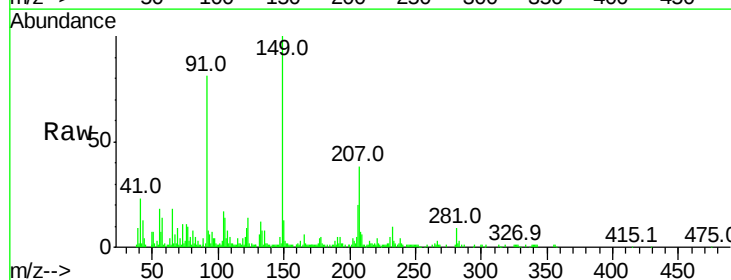
Instrument :
BNA_M
ClientSampleId :

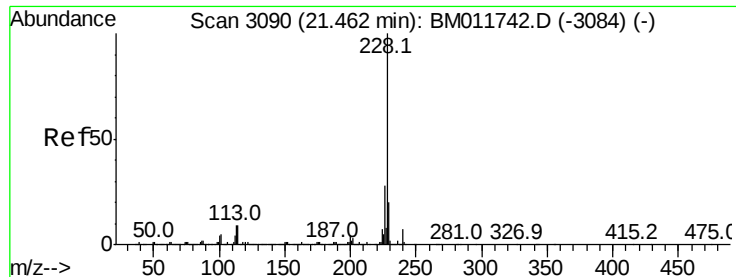
Tot Ion:202 Resp: 1555176
Ion Ratio Lower Upper
202 100
101 11.4 5.1 7.7#
100 9.1 4.9 7.3#



#78
Butylbenzylphthalate
Concen: 2.865 ng/ul
RT: 20.61 min Scan# 2945
Delta R.T. 0.00 min
Lab File: BM011746.D
Acq: 28 Sep 2017 04:58

Tgt Ion:149 Resp: 80606
Ion Ratio Lower Upper
149 100
91 80.9 62.7 94.1
206 20.0 20.8 31.2#





#80

Benzo(a)anthracene

Concen: 9.663 ng/ul

RT: 21.46 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BM011746.D

Acq: 28 Sep 2017 04:58

Instrument :

BNA_M

ClientSampled :

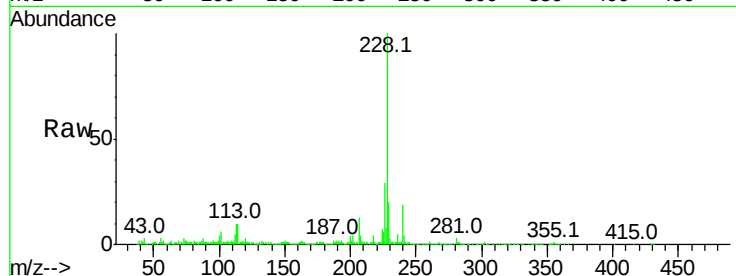
Tot Ion:228 Resp: 610742

Ion Ratio Lower Upper

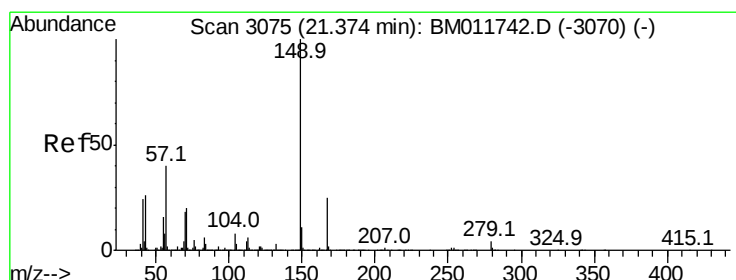
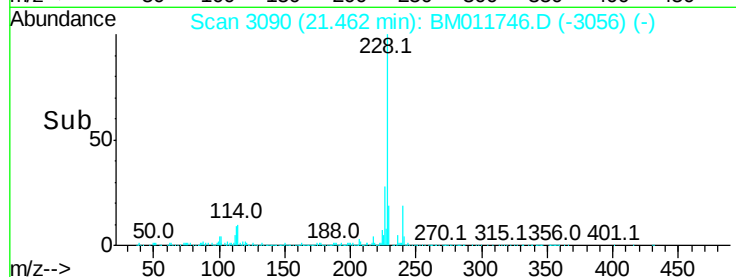
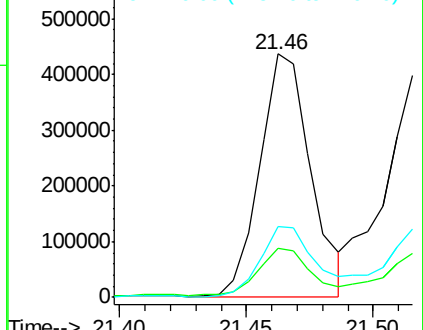
228 100

229 20.0 15.4 23.0

226 28.9 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: 2.225 ng/ul

RT: 21.37 min Scan# 3075

Delta R.T. 0.00 min

Lab File: BM011746.D

Acq: 28 Sep 2017 04:58

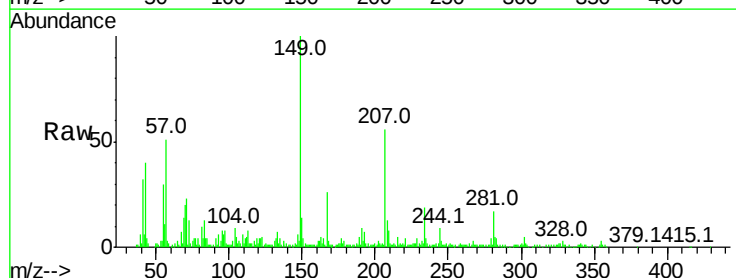
Tgt Ion:149 Resp: 93453

Ion Ratio Lower Upper

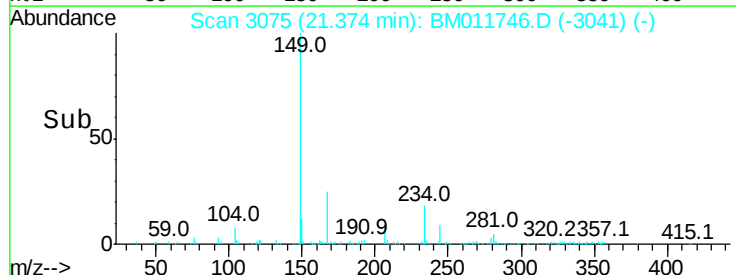
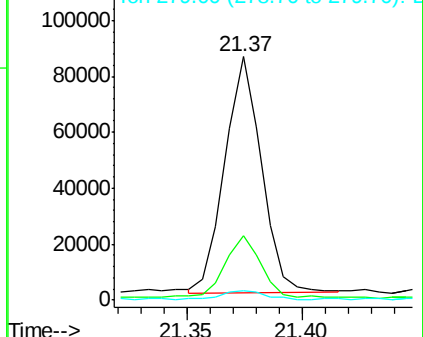
149 100

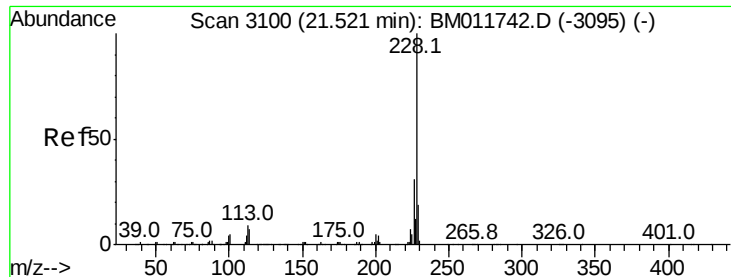
167 26.5 22.8 34.2

279 3.7 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: 10.469 ng/ul

RT: 21.52 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM011746.D

Acq: 28 Sep 2017 04:58

Instrument :

BNA_M

ClientSampled :

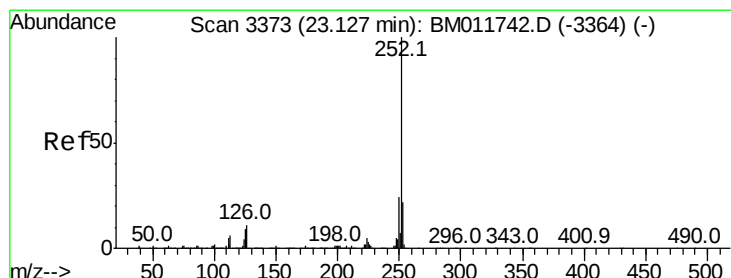
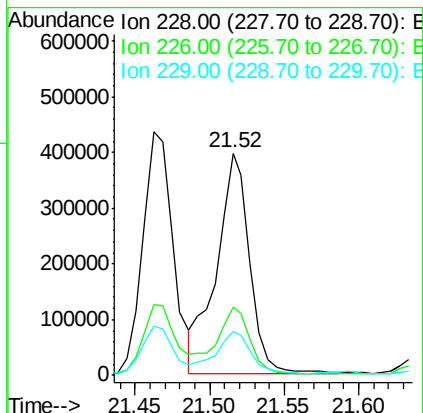
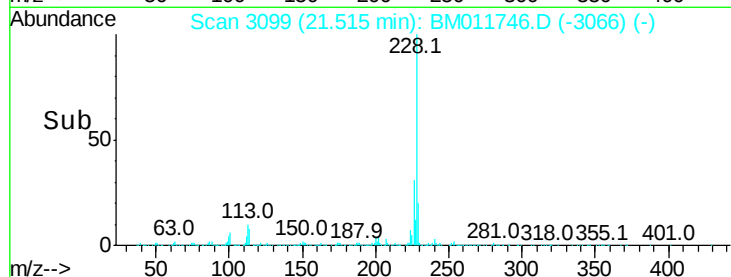
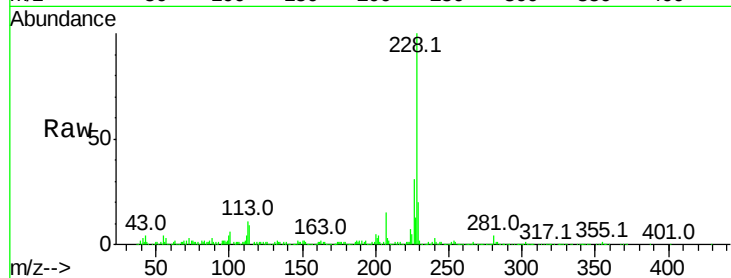
Tot Ion:228 Resp: 624051

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.2

229 19.9 15.5 23.3



#85

Benzo(b)fluoranthene

Concen: 12.395 ng/ul

RT: 23.13 min Scan# 3373

Delta R.T. 0.00 min

Lab File: BM011746.D

Acq: 28 Sep 2017 04:58

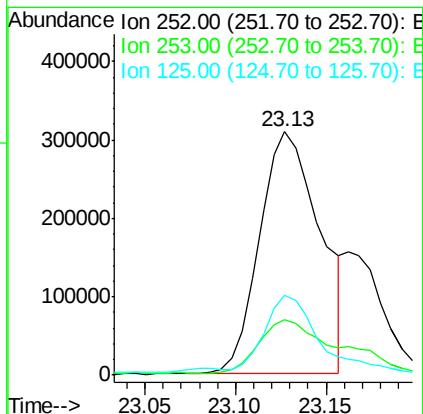
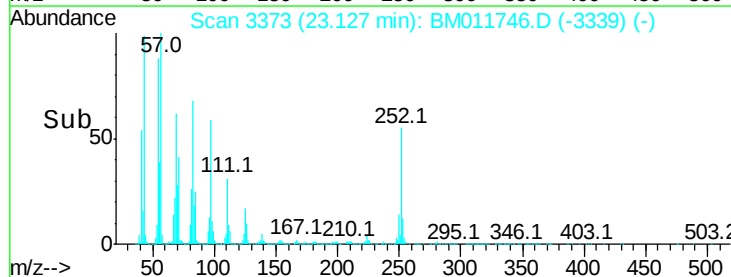
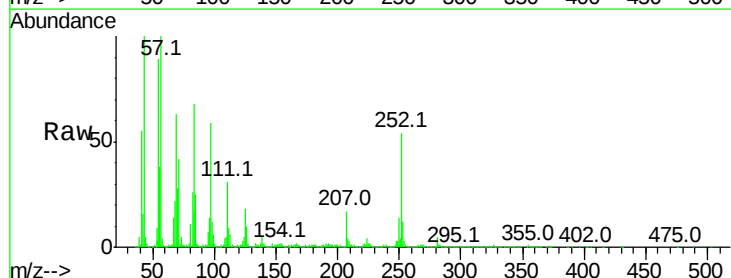
Tgt Ion:252 Resp: 717792

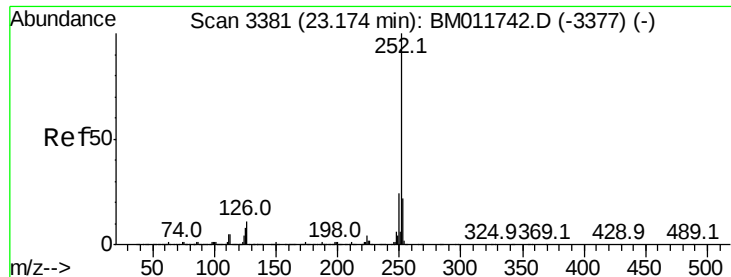
Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

125 32.8 3.6 5.4#

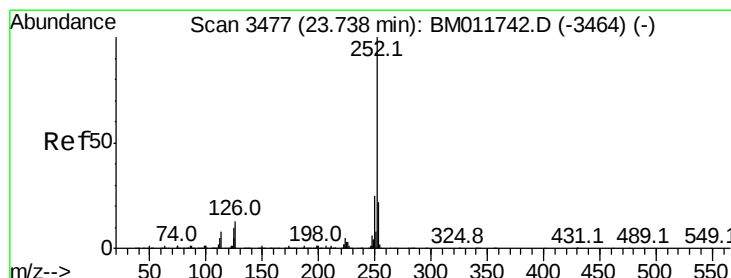
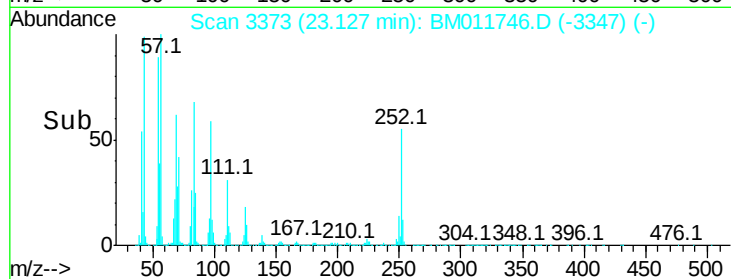
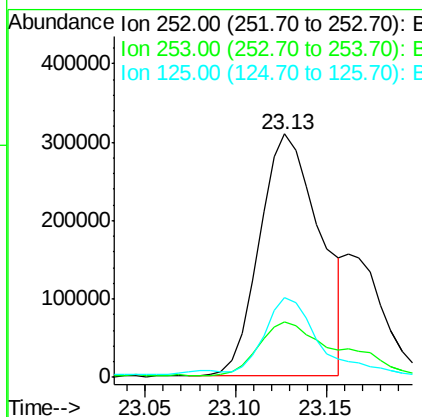
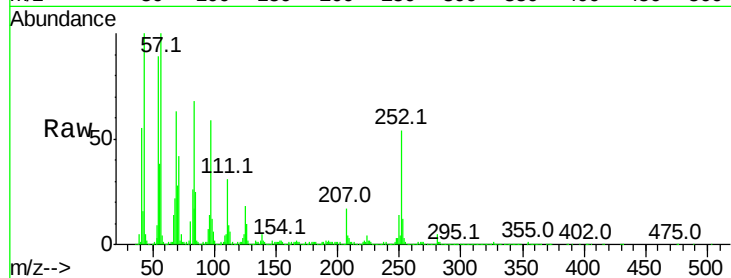




#86
Benzo(k)fluoranthene
Concen: 12.150 ng/ul
RT: 23.13 min Scan# 3373
Delta R.T. -0.05 min
Lab File: BM011746.D
Acq: 28 Sep 2017 04:58

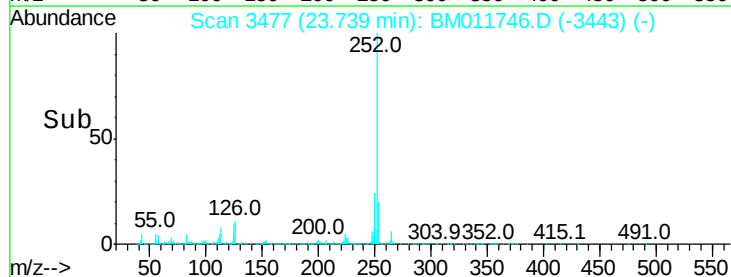
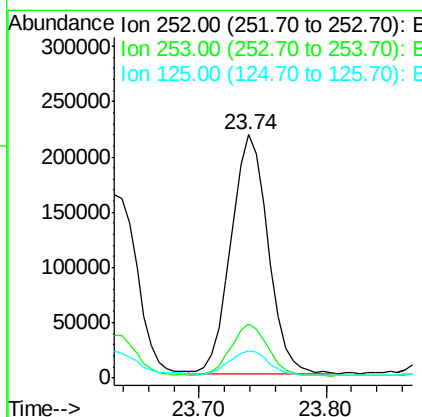
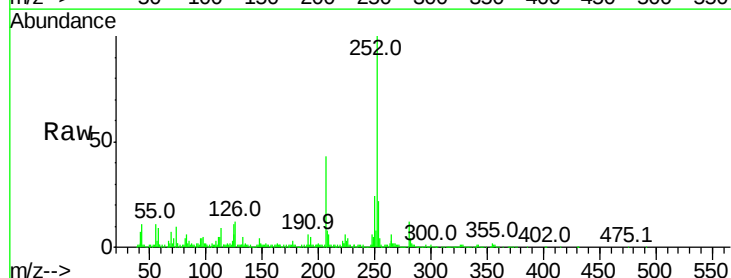
Instrument :
BNA_M
ClientSampleId :

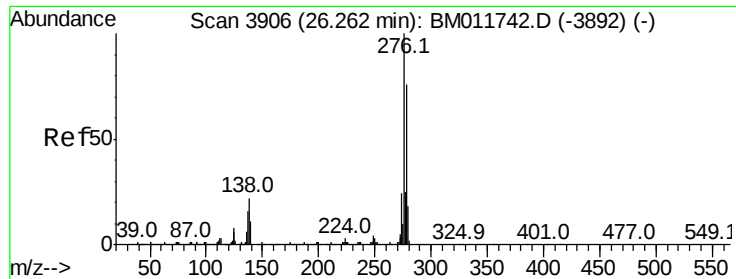
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	32.8	3.4	5.2#



#88
Benzo(a)pyrene
Concen: 7.853 ng/ul
RT: 23.74 min Scan# 3477
Delta R.T. 0.00 min
Lab File: BM011746.D
Acq: 28 Sep 2017 04:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	11.2	4.0	6.0#



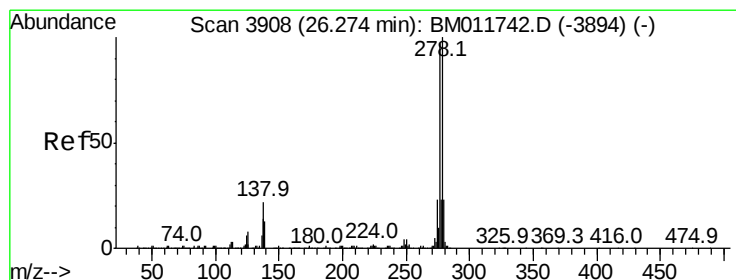
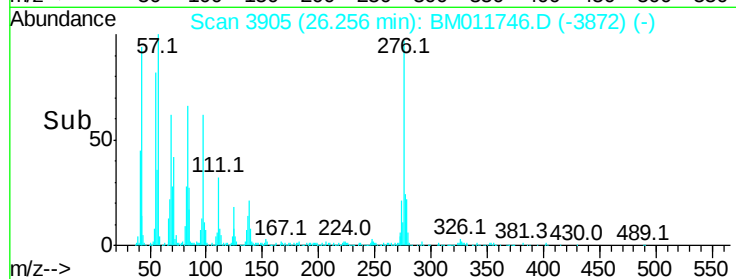
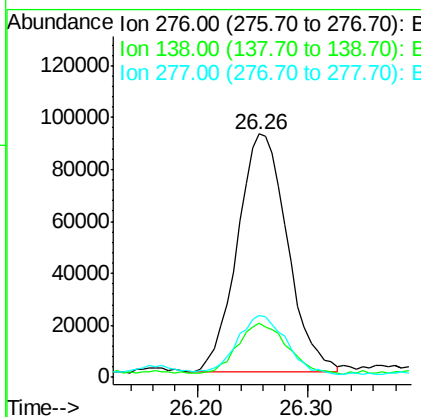
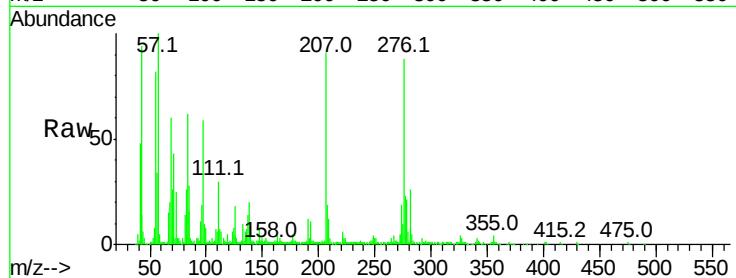


#89

Indeno(1,2,3-cd)pyrene
Concen: 4.968 ng/ul
RT: 26.26 min Scan# 3905
Delta R.T. -0.01 min
Lab File: BM011746.D
Acq: 28 Sep 2017 04:58

Instrument :
BNA_M
ClientSampleId :

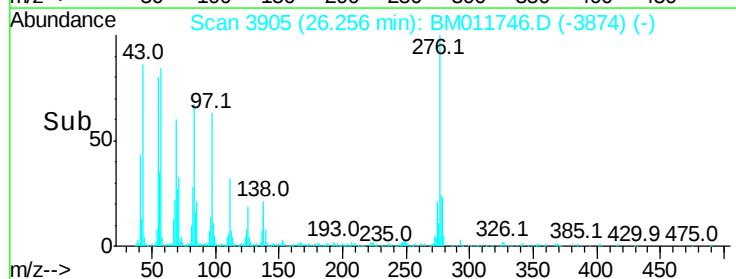
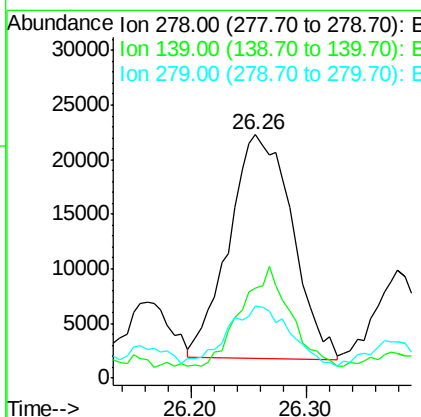
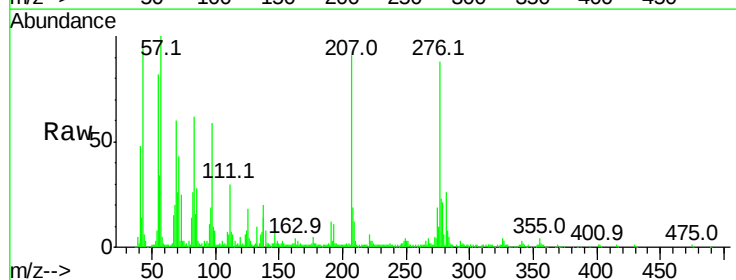
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.3	9.3	13.9#
277	25.4	19.9	29.9

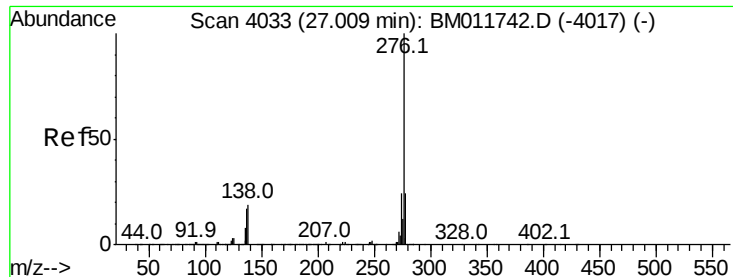


#90

Dibenzo(a,h)anthracene
Concen: 1.593 ng/ul
RT: 26.26 min Scan# 3905
Delta R.T. -0.02 min
Lab File: BM011746.D
Acq: 28 Sep 2017 04:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	36.9	5.8	8.8#
279	29.6	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 5.632 ng/ul

RT: 27.00 min Scan# 4032

Delta R.T. -0.01 min

Lab File: BM011746.D

Acq: 28 Sep 2017 04:58

Instrument :

BNA_M

ClientSampleId :

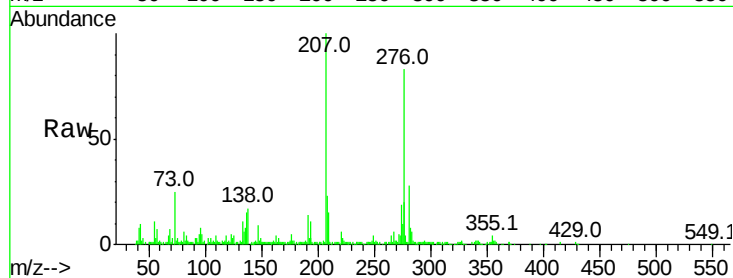
Tot Ion:276 Resp: 272214

Ion Ratio Lower Upper

276 100

138 20.8 8.5 12.7#

277 24.1 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

