

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092917\
 Data File : BM011763.D
 Acq On : 29 Sep 2017 12:43
 Operator : SJ/JU
 Sample : I5505-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 29 23:44:50 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM092717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 29 23:43:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	220466	20.00	ng/ul	0.00
18) Naphthalene-d8	10.74	136	959666	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.57	164	525617	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.32	188	1129778	20.00	ng/ul	0.00
75) Chrysene-d12	21.48	240	983944	20.00	ng/ul	0.00
83) Perylene-d12	23.84	264	825700	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	19272	3.90	ng/uL	0.00
5) Phenol-d5	7.09	99	528817	24.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.26	67	380384	24.19	ng/ul	0.00
9) 2-Chlorophenol-d4	7.46	132	427908	26.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	416096	24.50	ng/ul	0.00
19) Nitrobenzene-d5	9.10	128	195010	26.05	ng/ul	0.00
22) 2-Nitrophenol-d4	9.82	143	212539	26.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.36	165	393720	25.84	ng/ul	0.00
29) 4-Chloroaniline-d4	10.87	131	487095	28.91	ng/ul	0.00
43) Dimethylphthalate-d6	13.97	166	1167612	25.90	ng/ul	0.00
46) Acenaphthylene-d8	14.26	160	1424935	26.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	138945	18.03	ng/ul	0.00
57) Fluorene-d10	15.56	176	995326	25.64	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.68	200	95892	12.53	ng/ul	0.00
70) Anthracene-d10	17.41	188	1518037	26.40	ng/ul	0.00
76) Pyrene-d10	19.70	212	1668459	35.53	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.69	264	1042945	26.38	ng/ul	0.00

Target Compounds

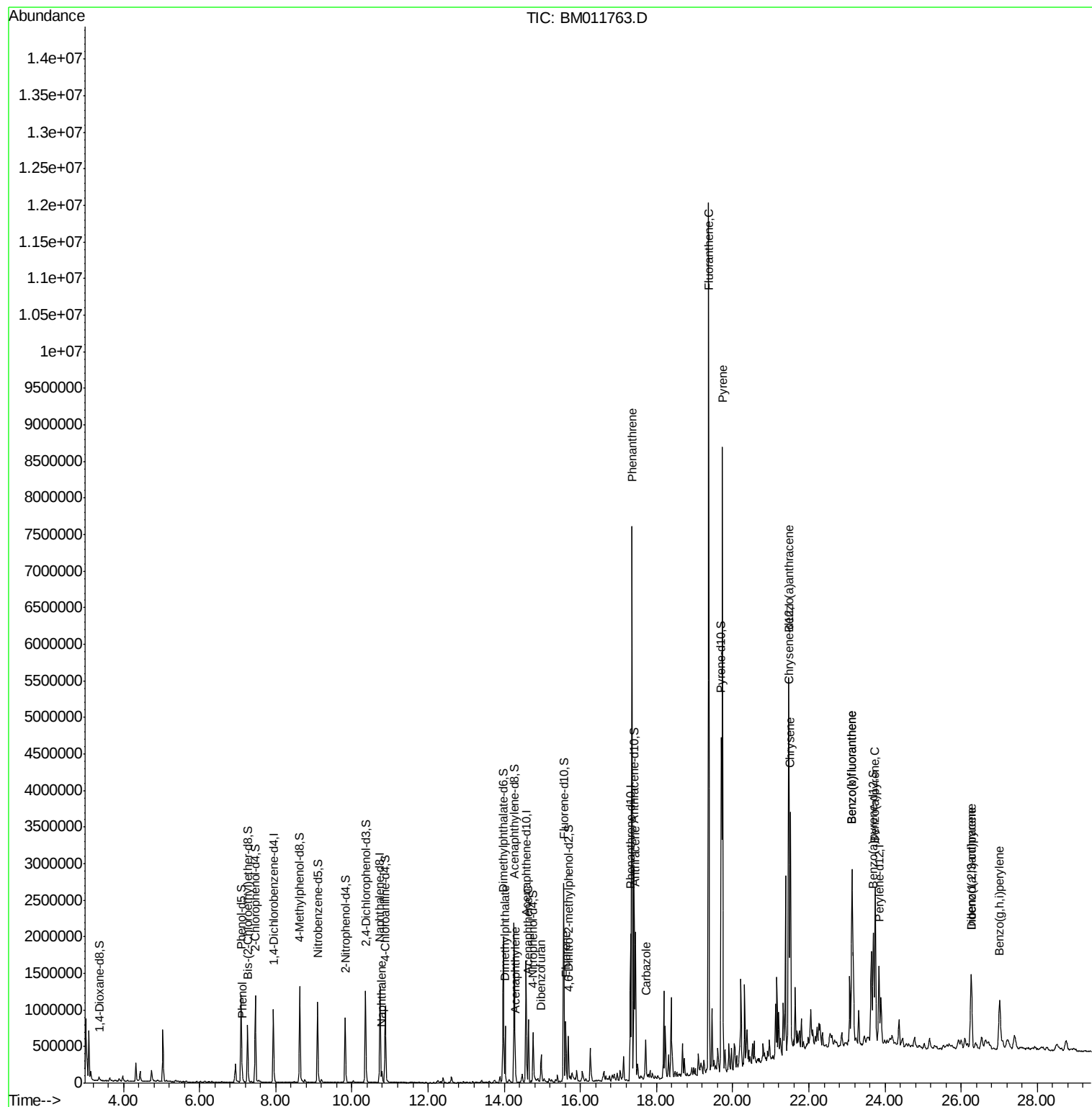
					Ovalue	
6) Phenol	7.12	94	48427	2.208	ng/ul	93
28) Naphthalene	10.79	128	109145	2.176	ng/ul	99
44) Dimethylphthalate	14.02	163	432185	10.024	ng/ul#	98
47) Acenaphthylene	14.29	152	108772	1.989	ng/ul	100
49) Acenaphthene	14.63	153	310521	8.337	ng/ul	98
53) Dibenzofuran	14.97	168	178550	3.490	ng/ul	90
58) Fluorene	15.62	166	319099	7.367	ng/ul	96
69) Phenanthrene	17.36	178	4070777	64.379	ng/ul	98
71) Anthracene	17.44	178	1122875	17.235	ng/ul	98
72) Carbazole	17.72	167	314529	5.511	ng/ul	97
74) Fluoranthene	19.37	202	6756428	87.516	ng/ul#	91
77) Pyrene	19.73	202	5143662	87.723	ng/ul#	90
80) Benzo(a)anthracene	21.47	228	2177613	39.558	ng/ul	97
82) Chrysene	21.52	228	1875549	36.125	ng/ul	96
85) Benzo(b)fluoranthene	23.13	252	2069314	42.476	ng/ul#	97
86) Benzo(k)fluoranthene	23.13	252	2069314	41.637	ng/ul#	96
88) Benzo(a)pyrene	23.74	252	1529141	32.498	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	26.26	276	969772	19.795	ng/ul#	94
90) Dibenzo(a,h)anthracene	26.26	278	227447	5.543	ng/ul#	90
91) Benzo(g,h,i)perylene	27.01	276	859653	21.140	ng/ul#	91

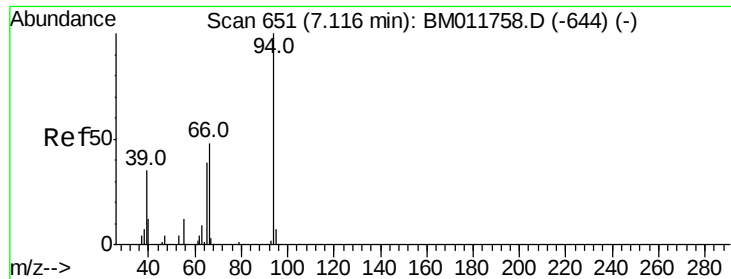
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 29 23:43:48 2017
Response via : Initial Calibration





#6

Phenol

Concen: 2.208 ng/ul

RT: 7.12 min Scan# 702

Delta R.T. -0.00 min

Lab File: BM011763.D

Acq: 29 Sep 2017 12:43

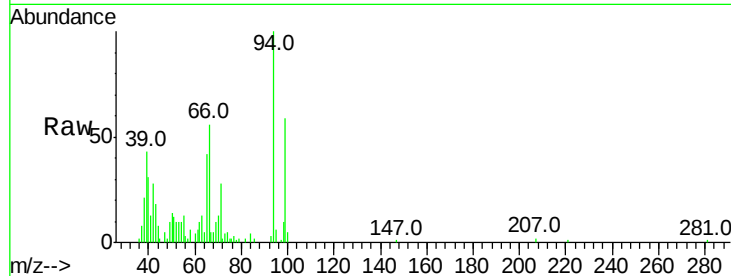
Instrument :

BNA_M

ClientSampleId :

Tot Ion: 94 Resp: 48427

Ion	Ratio	Lower	Upper
94	100		
65	41.8	28.2	42.4
66	55.9	47.2	70.8

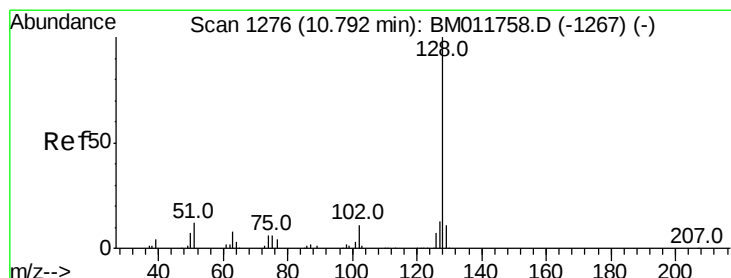
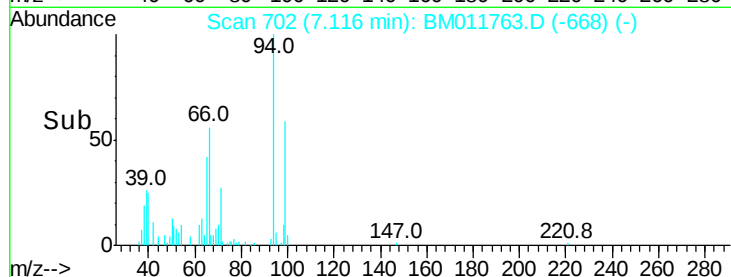
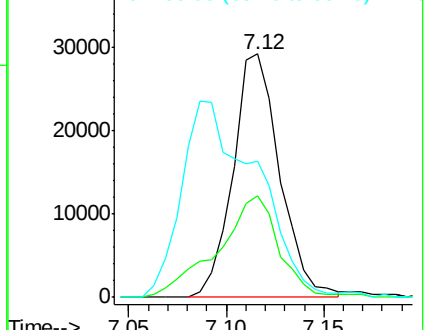


Abundance

Ion 94.00 (93.70 to 94.70): BM011763.D (-644) (-)

Ion 65.00 (64.70 to 65.70): BM011763.D (-644) (-)

Ion 66.00 (65.70 to 66.70): BM011763.D (-644) (-)



#28

Naphthalene

Concen: 2.176 ng/ul

RT: 10.79 min Scan# 1327

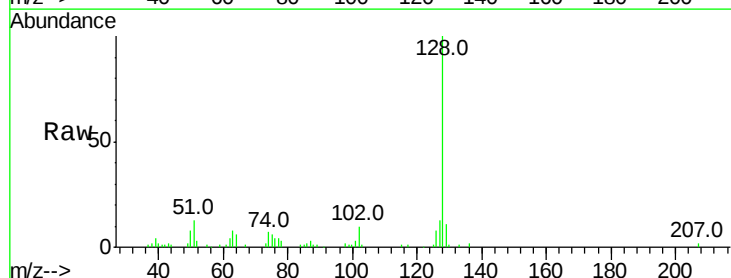
Delta R.T. -0.00 min

Lab File: BM011763.D

Acq: 29 Sep 2017 12:43

Tgt Ion: 128 Resp: 109145

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	12.6	10.6	16.0

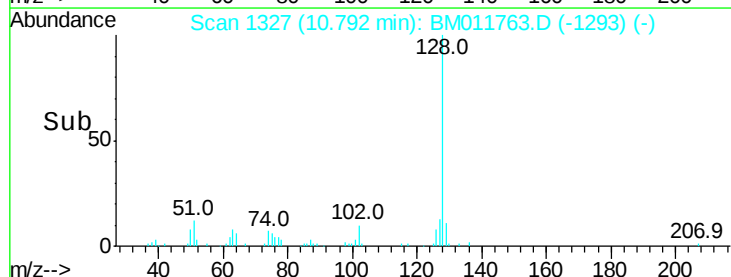
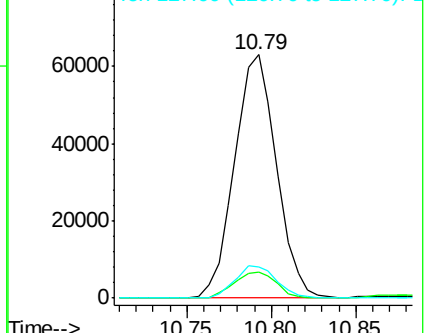


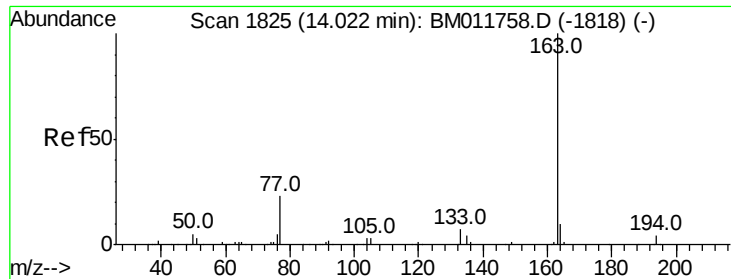
Abundance

Ion 128.00 (127.70 to 128.70): BM011763.D (-1293) (-)

Ion 129.00 (128.70 to 129.70): BM011763.D (-1293) (-)

Ion 127.00 (126.70 to 127.70): BM011763.D (-1293) (-)

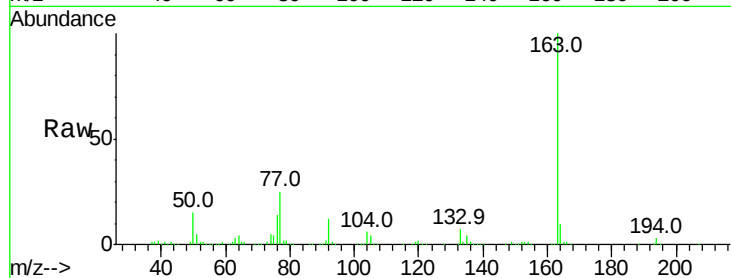




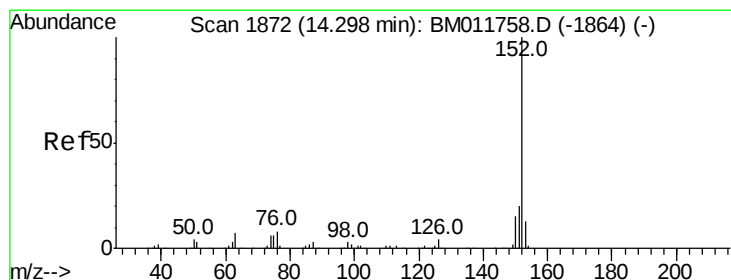
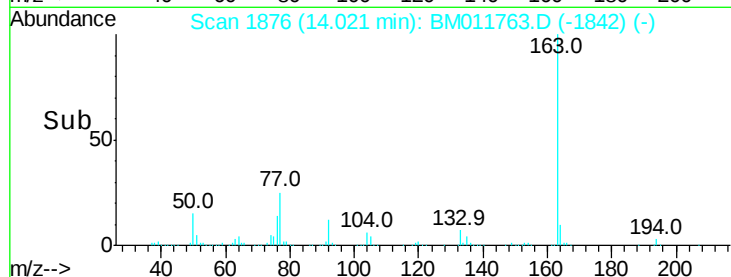
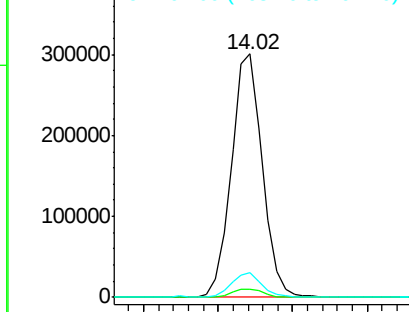
#44
Dimethylphthalate
Concen: 10.024 ng/ul
RT: 14.02 min Scan# 1876
Delta R.T. -0.00 min
Lab File: BM011763.D
Acq: 29 Sep 2017 12:43

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.5	5.3#
164	9.9	8.2	12.4

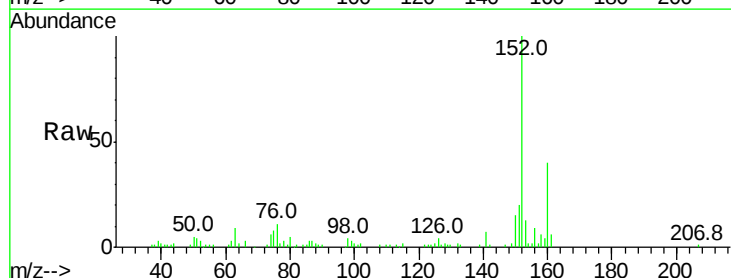


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

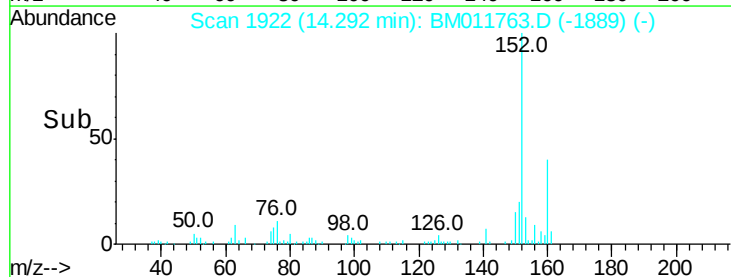
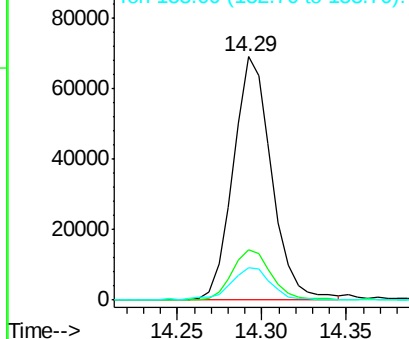


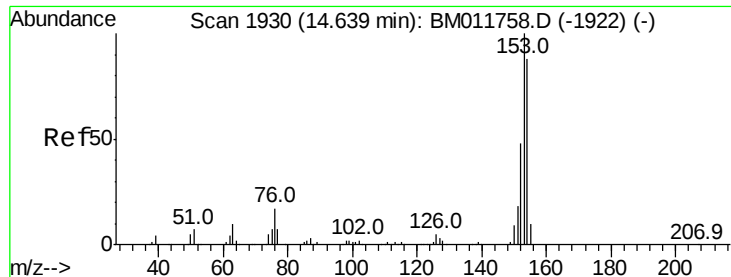
#47
Acenaphthylene
Concen: 1.989 ng/ul
RT: 14.29 min Scan# 1922
Delta R.T. -0.01 min
Lab File: BM011763.D
Acq: 29 Sep 2017 12:43

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	13.2	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: 8.337 ng/ul

RT: 14.63 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BM011763.D

Acq: 29 Sep 2017 12:43

Instrument :

BNA_M

ClientSampled :

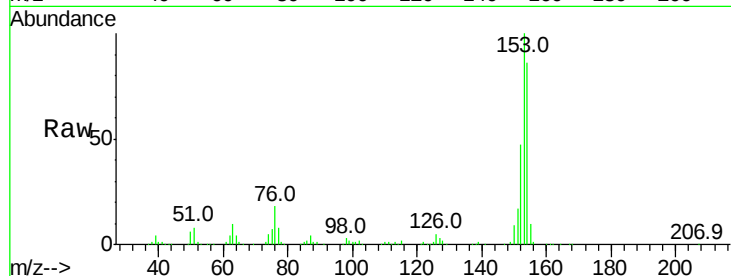
Tot Ion:153 Resp: 310521

Ion Ratio Lower Upper

153 100

152 47.5 37.6 56.4

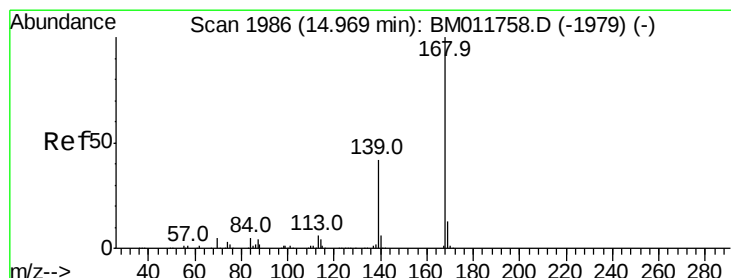
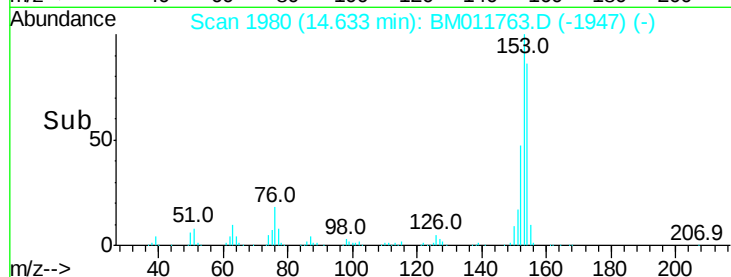
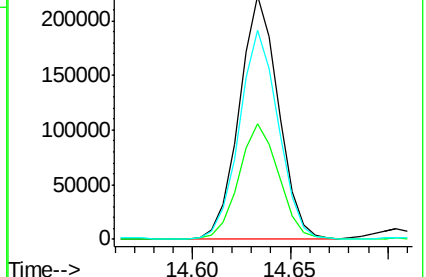
154 86.1 70.4 105.6



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: 3.490 ng/ul

RT: 14.97 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BM011763.D

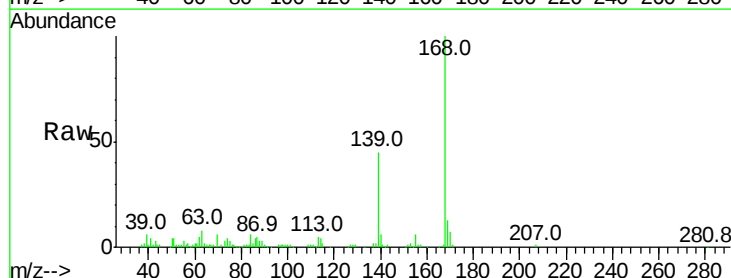
Acq: 29 Sep 2017 12:43

Tgt Ion:168 Resp: 178550

Ion Ratio Lower Upper

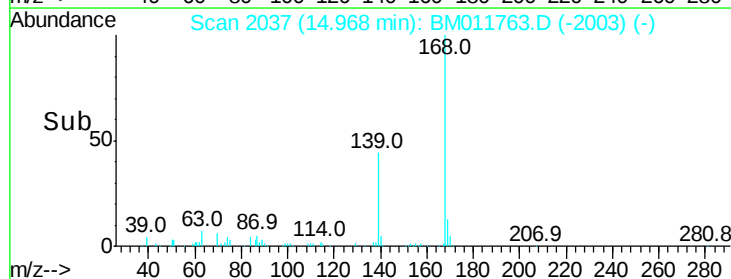
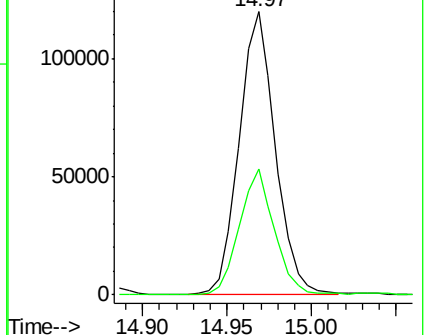
168 100

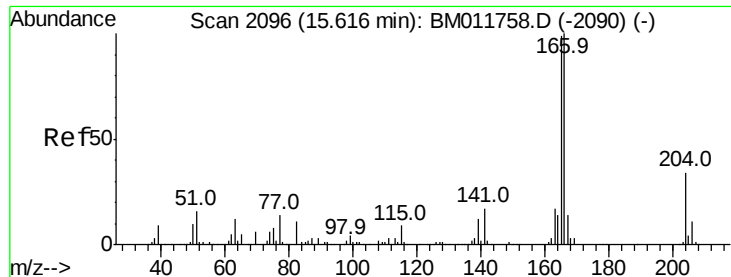
139 44.6 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

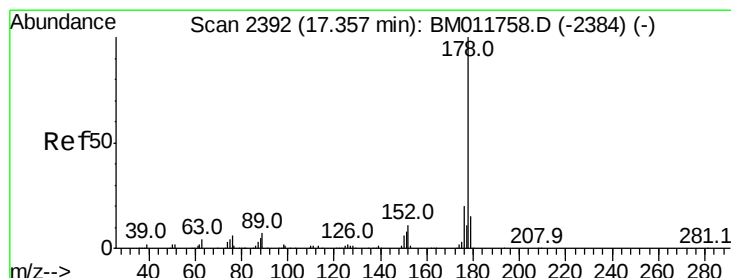
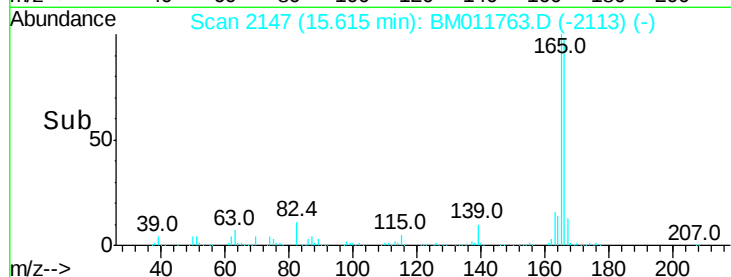
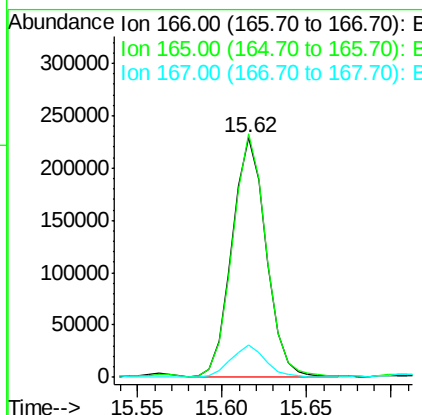
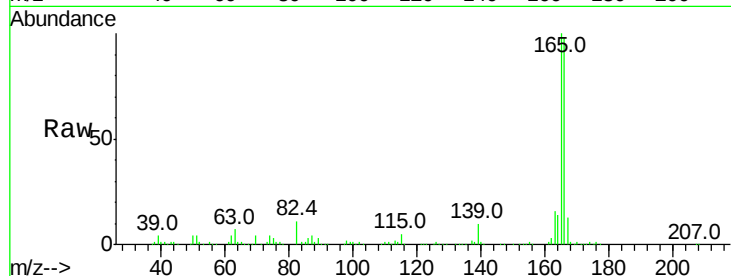




#58
Fluorene
 Concen: 7.367 ng/ul
 RT: 15.62 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: BM011763.D
 Acq: 29 Sep 2017 12:43

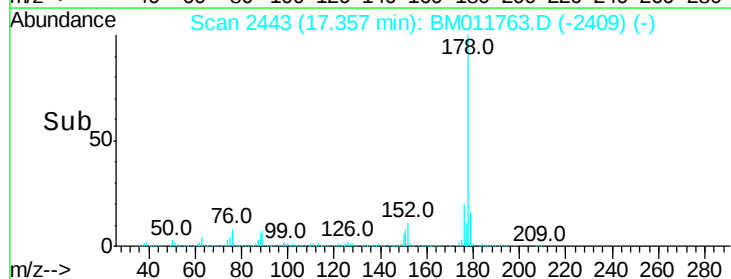
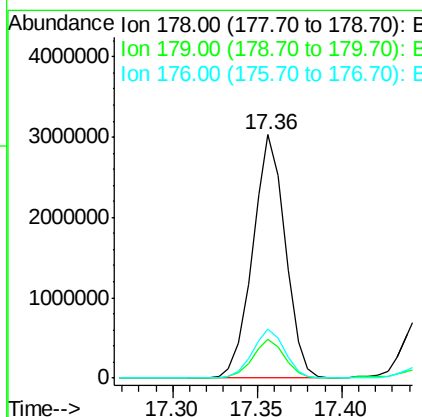
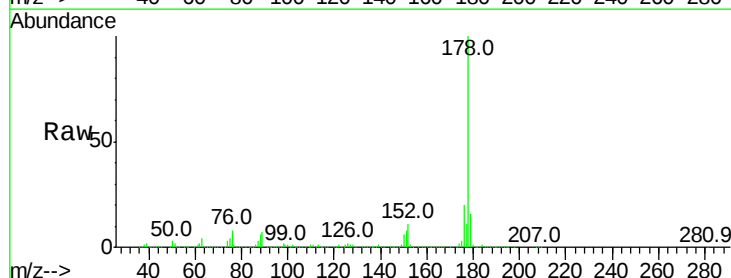
Instrument :
 BNA_M
 ClientSampleId :

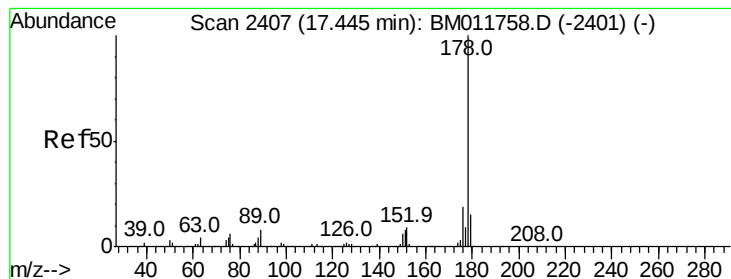
Tot Ion	Ratio	Lower	Upper
166	100		
165	101.8	77.9	116.9
167	13.5	10.6	16.0



#69
Phenanthrene
 Concen: 64.379 ng/ul
 RT: 17.36 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BM011763.D
 Acq: 29 Sep 2017 12:43

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.6	19.0
176	20.0	14.9	22.3





#71

Anthracene

Concen: 17.235 ng/ul

RT: 17.44 min Scan# 2458

Delta R.T. -0.00 min

Lab File: BM011763.D

Acq: 29 Sep 2017 12:43

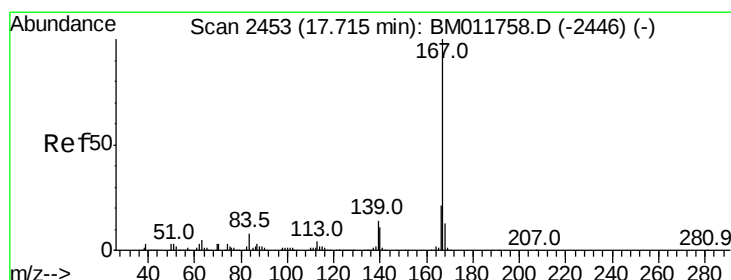
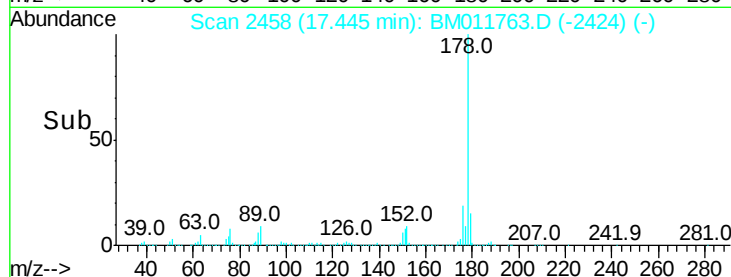
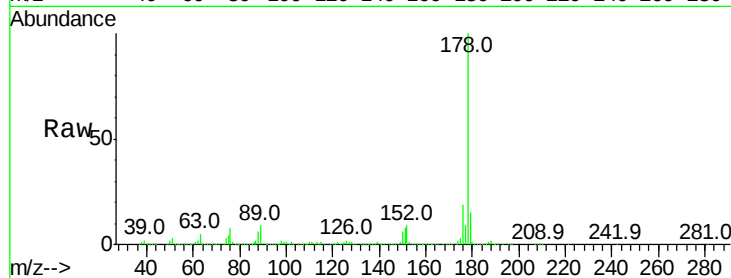
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 1122875

Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.7	17.5
176	19.1	14.6	21.8



#72

Carbazole

Concen: 5.511 ng/ul

RT: 17.72 min Scan# 2504

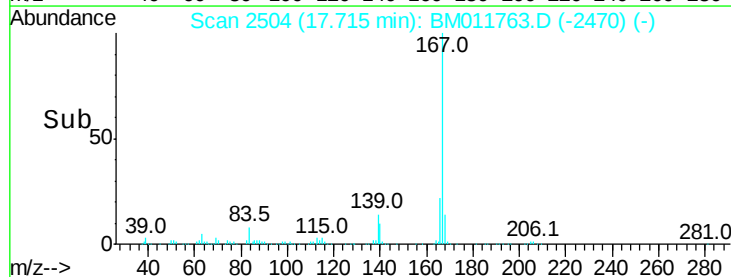
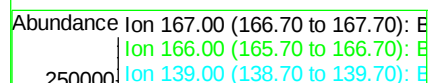
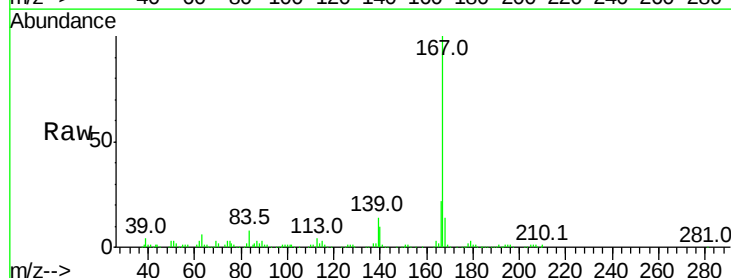
Delta R.T. -0.00 min

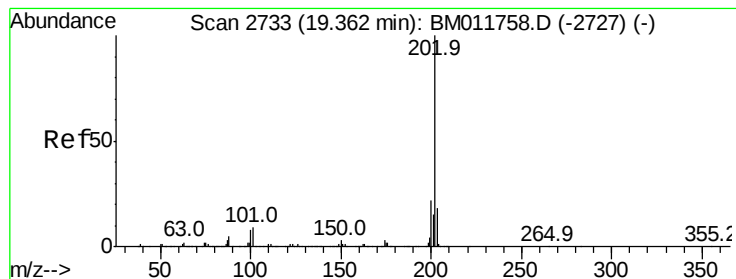
Lab File: BM011763.D

Acq: 29 Sep 2017 12:43

Tgt Ion:167 Resp: 314529

Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.1	25.7
139	14.3	10.0	15.0





#74

Fluoranthene

Concen: 87.516 ng/ul

RT: 19.37 min Scan# 2785

Delta R.T. 0.01 min

Lab File: BM011763.D

Acq: 29 Sep 2017 12:43

Instrument :

BNA_M

ClientSampleId :

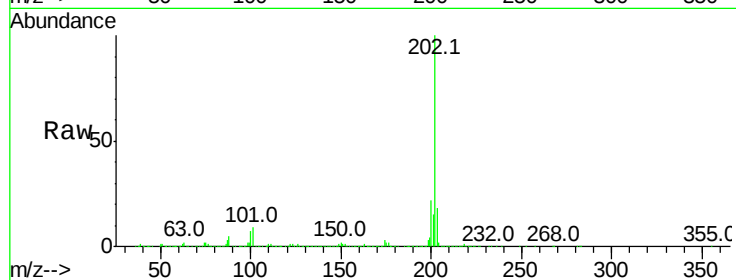
Tot Ion:202 Resp: 6756428

Ion	Ratio	Lower	Upper
202	100		
101	9.2	4.6	7.0#
100	6.9	3.4	5.2#

202 100

101 9.2 4.6 7.0#

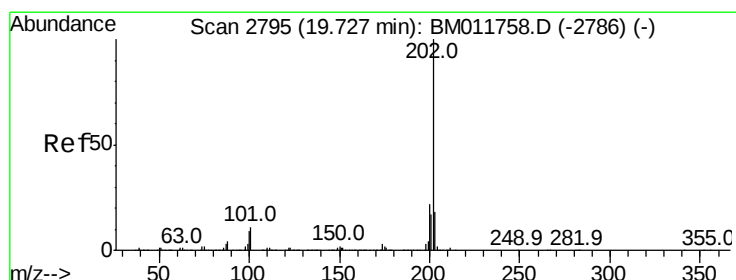
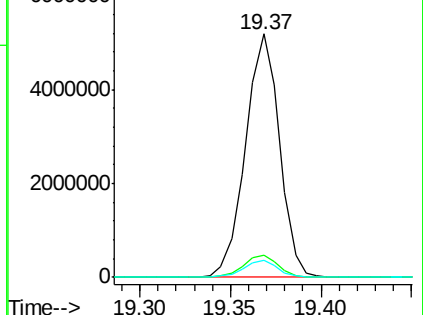
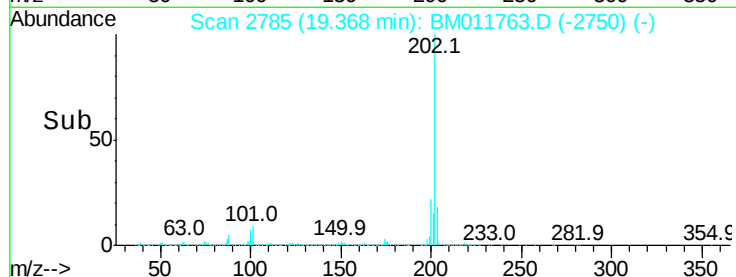
100 6.9 3.4 5.2#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 87.723 ng/ul

RT: 19.73 min Scan# 2847

Delta R.T. 0.01 min

Lab File: BM011763.D

Acq: 29 Sep 2017 12:43

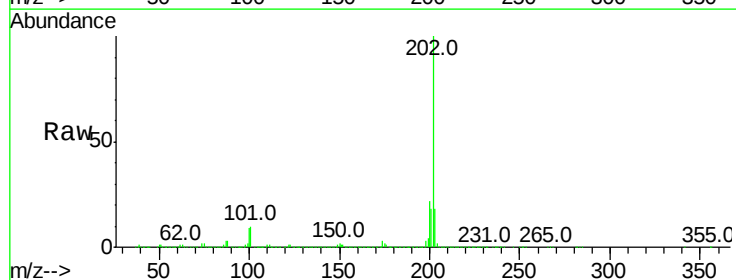
Tgt Ion:202 Resp: 5143662

Ion	Ratio	Lower	Upper
202	100		
101	10.5	5.1	7.7#
100	8.7	4.9	7.3#

202 100

101 10.5 5.1 7.7#

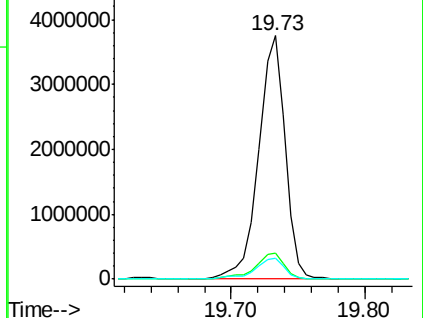
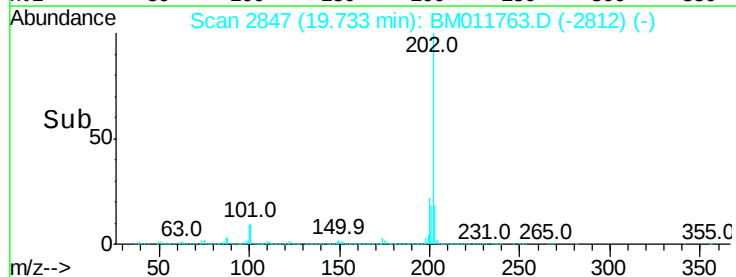
100 8.7 4.9 7.3#

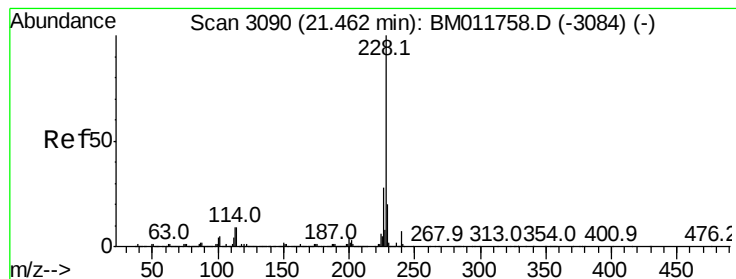


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 39.558 ng/ul

RT: 21.47 min Scan# 3142

Delta R.T. 0.01 min

Lab File: BM011763.D

Acq: 29 Sep 2017 12:43

Instrument :

BNA_M

ClientSampled :

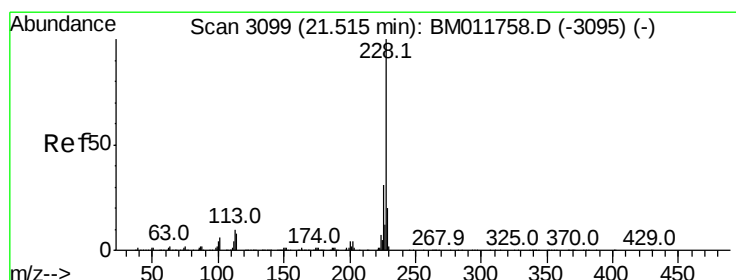
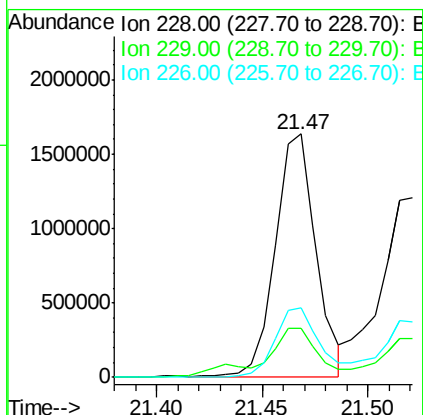
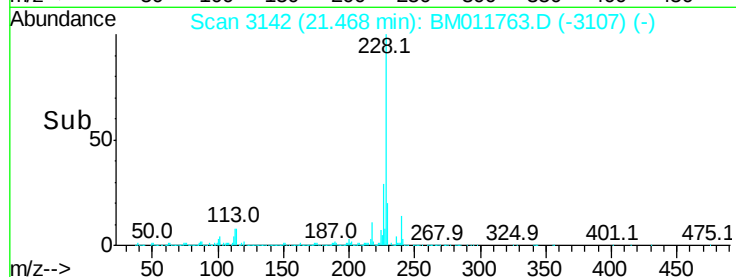
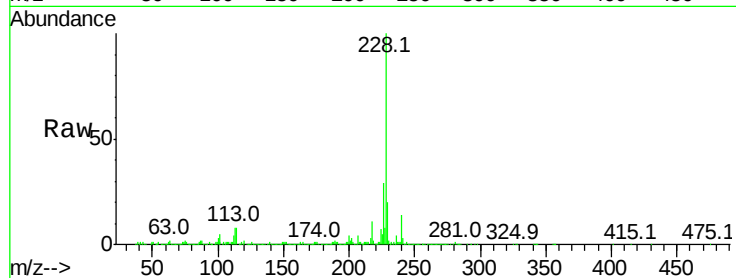
Tot Ion:228 Resp: 2177613

Ion Ratio Lower Upper

228 100

229 20.2 15.4 23.0

226 28.6 21.4 32.0



#82

Chrysene

Concen: 36.125 ng/ul

RT: 21.52 min Scan# 3151

Delta R.T. 0.01 min

Lab File: BM011763.D

Acq: 29 Sep 2017 12:43

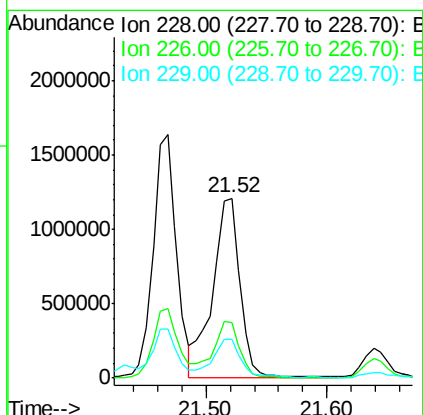
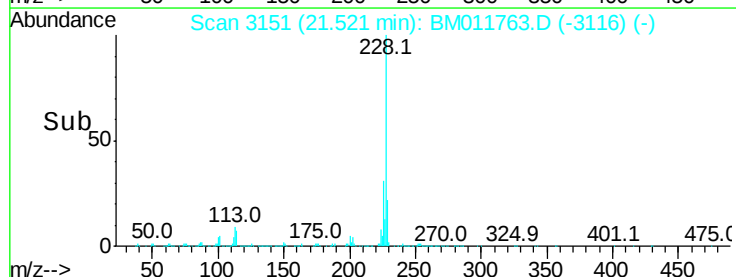
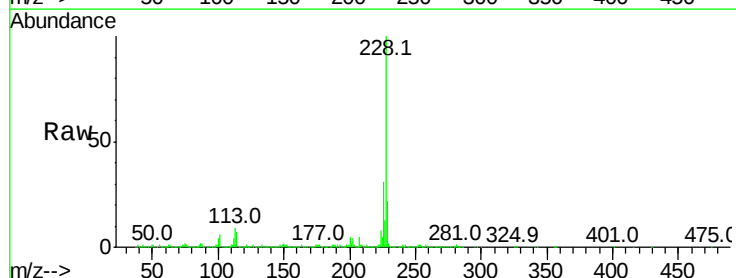
Tgt Ion:228 Resp: 1875549

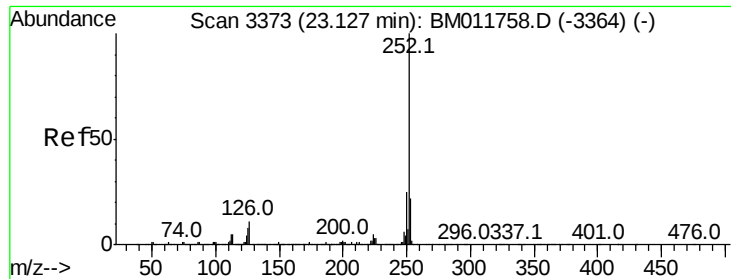
Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.2

229 21.9 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 42.476 ng/ul

RT: 23.13 min Scan# 3425

Delta R.T. 0.01 min

Lab File: BM011763.D

Acq: 29 Sep 2017 12:43

Instrument :

BNA_M

ClientSampleId :

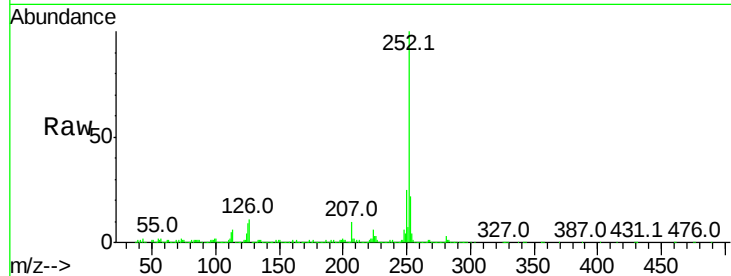
Tot Ion:252 Resp: 2069314

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

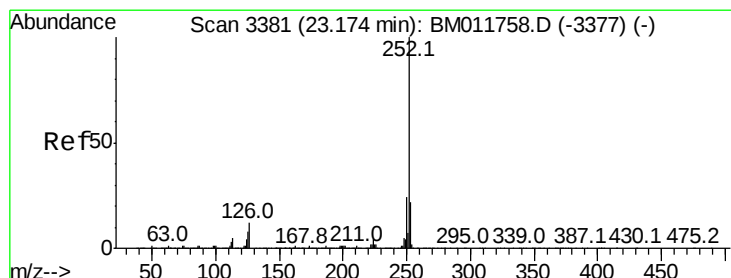
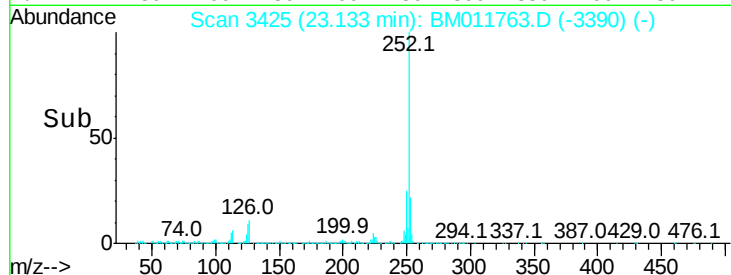
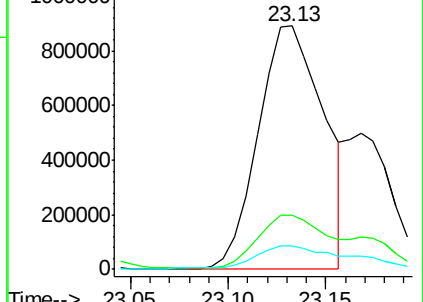
125 9.4 3.6 5.4#



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: 41.637 ng/ul

RT: 23.13 min Scan# 3425

Delta R.T. -0.04 min

Lab File: BM011763.D

Acq: 29 Sep 2017 12:43

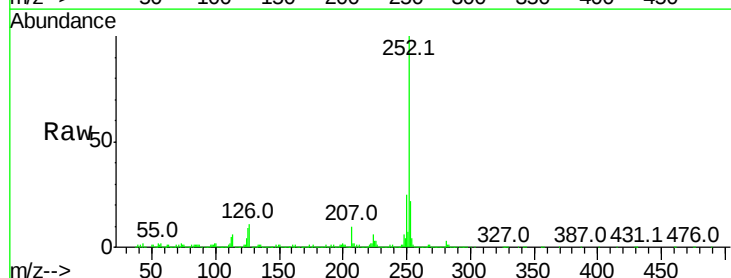
Tgt Ion:252 Resp: 2069314

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

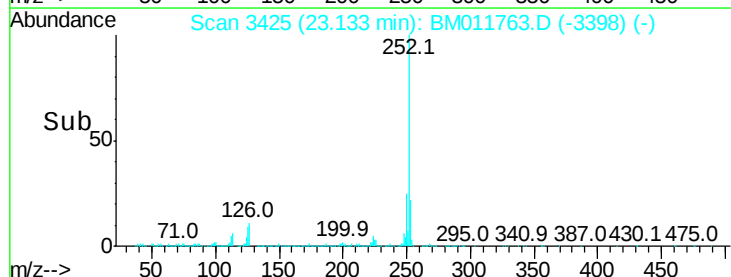
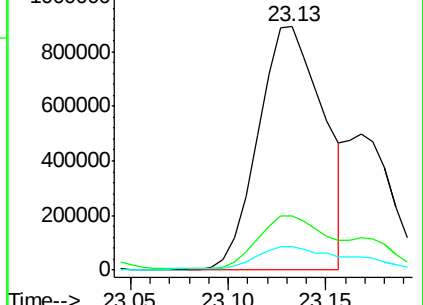
125 9.4 3.4 5.2#

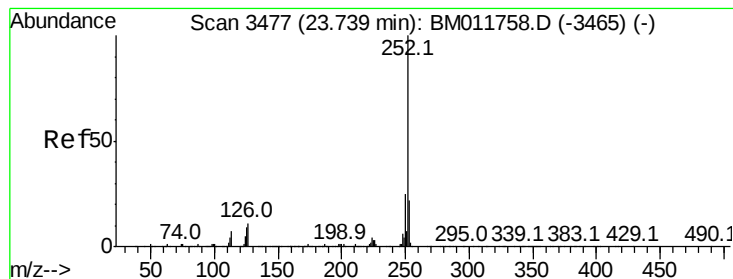


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 32.498 ng/ul

RT: 23.74 min Scan# 3529

Delta R.T. 0.01 min

Lab File: BM011763.D

Acq: 29 Sep 2017 12:43

Instrument :

BNA_M

ClientSampleId :

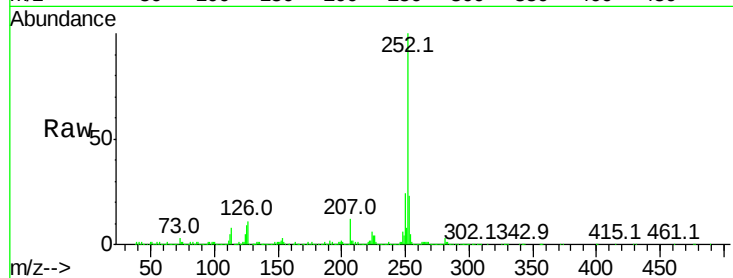
Tot Ion:252 Resp: 1529141

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

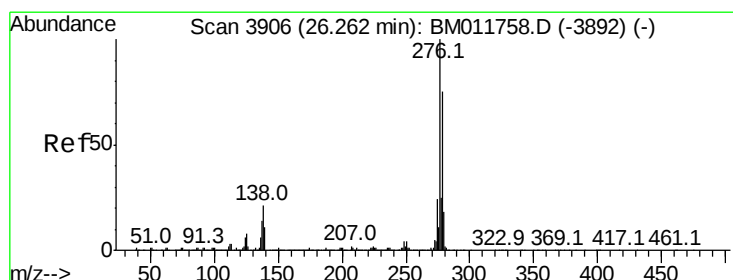
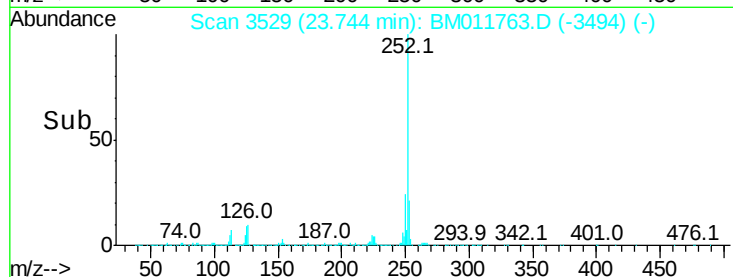
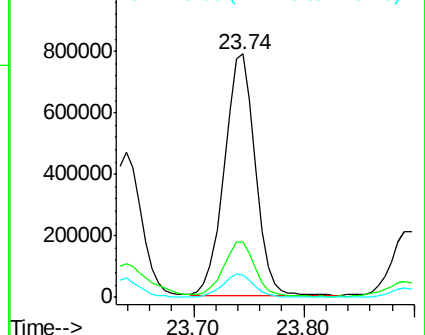
125 9.0 4.0 6.0#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 19.795 ng/ul

RT: 26.26 min Scan# 3957

Delta R.T. -0.00 min

Lab File: BM011763.D

Acq: 29 Sep 2017 12:43

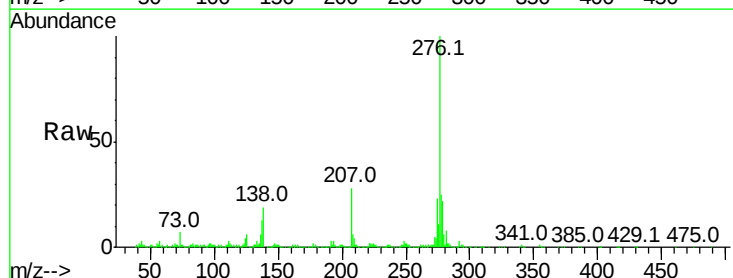
Tgt Ion:276 Resp: 969772

Ion Ratio Lower Upper

276 100

138 18.8 9.3 13.9#

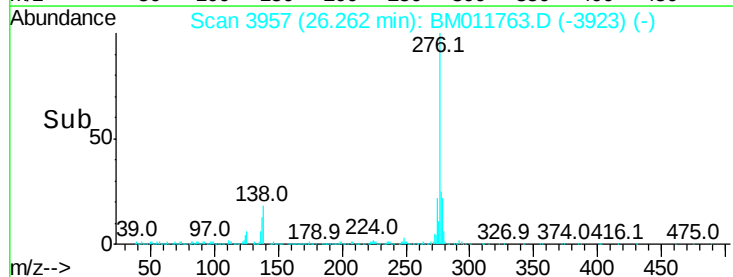
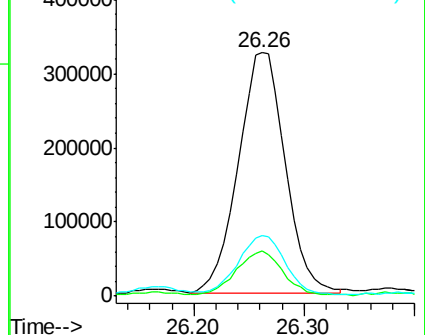
277 25.1 19.9 29.9

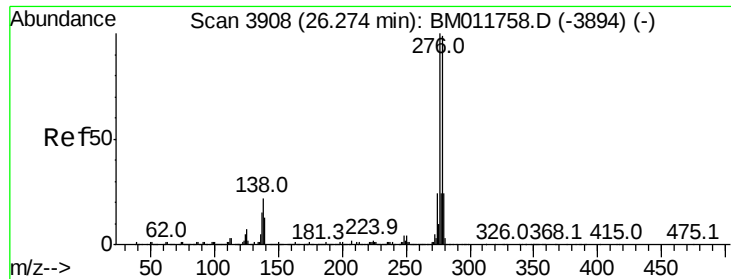


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 5.543 ng/ul

RT: 26.26 min Scan# 3957

Delta R.T. -0.01 min

Lab File: BM011763.D

Acq: 29 Sep 2017 12:43

Instrument :

BNA_M

ClientSampled :

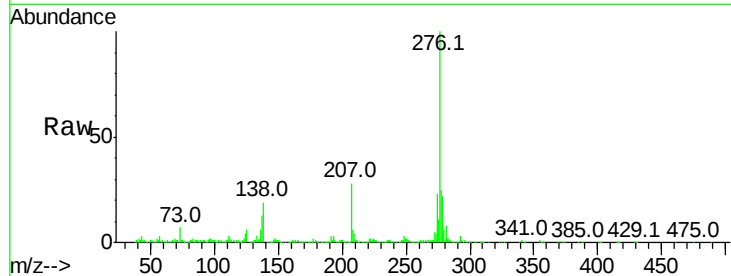
Tot Ion:278 Resp: 227447

Ion Ratio Lower Upper

278 100

139 0.0 5.8 8.8#

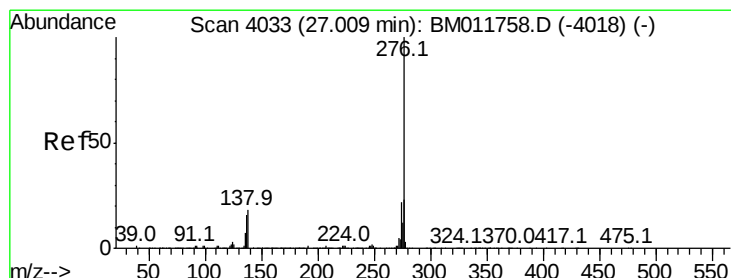
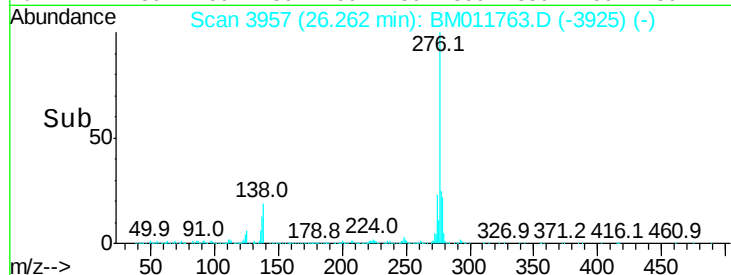
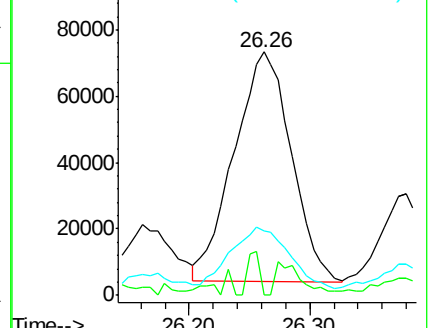
279 26.7 18.6 27.8



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(g,h,i)perylene

Concen: 21.140 ng/ul

RT: 27.01 min Scan# 4084

Delta R.T. -0.00 min

Lab File: BM011763.D

Acq: 29 Sep 2017 12:43

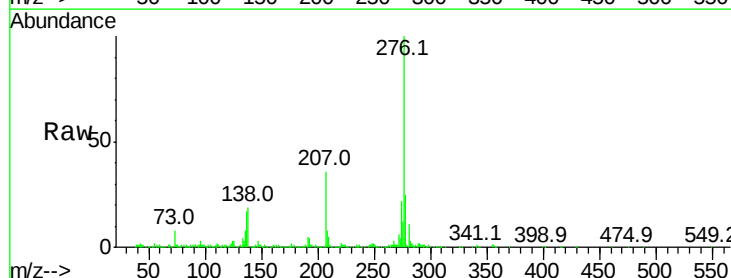
Tgt Ion:276 Resp: 859653

Ion Ratio Lower Upper

276 100

138 19.0 8.5 12.7#

277 24.5 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

