

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092917\
 Data File : BM011765.D
 Acq On : 29 Sep 2017 13:58
 Operator : SJ/JU
 Sample : I5505-02DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 29 23:45:19 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	213861	20.00	ng/ul	0.00
18) Naphthalene-d8	10.74	136	942881	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.57	164	520958	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.32	188	1122787	20.00	ng/ul	0.00
75) Chrysene-d12	21.48	240	932298	20.00	ng/ul	0.00
83) Perylene-d12	23.84	264	763668	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	9798	2.04	ng/uL	0.00
5) Phenol-d5	7.09	99	238536	11.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.26	67	176255	11.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.46	132	194540	12.43	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	188365	11.43	ng/ul	0.00
19) Nitrobenzene-d5	9.16	128	1263	0.17	ng/ul	0.06
22) 2-Nitrophenol-d4	9.82	143	97218	12.39	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.36	165	179311	11.98	ng/ul	0.00
29) 4-Chloroaniline-d4	10.87	131	222204	13.43	ng/ul	0.00
43) Dimethylphthalate-d6	13.97	166	560958	12.55	ng/ul	0.00
46) Acenaphthylene-d8	14.26	160	664465	12.30	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	51651	6.76	ng/ul	0.00
57) Fluorene-d10	15.56	176	464043	12.06	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.68	200	41181	5.41	ng/ul	0.00
70) Anthracene-d10	17.41	188	721425	12.63	ng/ul	0.00
76) Pyrene-d10	19.70	212	758321	17.04	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.69	264	472386	12.92	ng/ul	0.00

Target Compounds

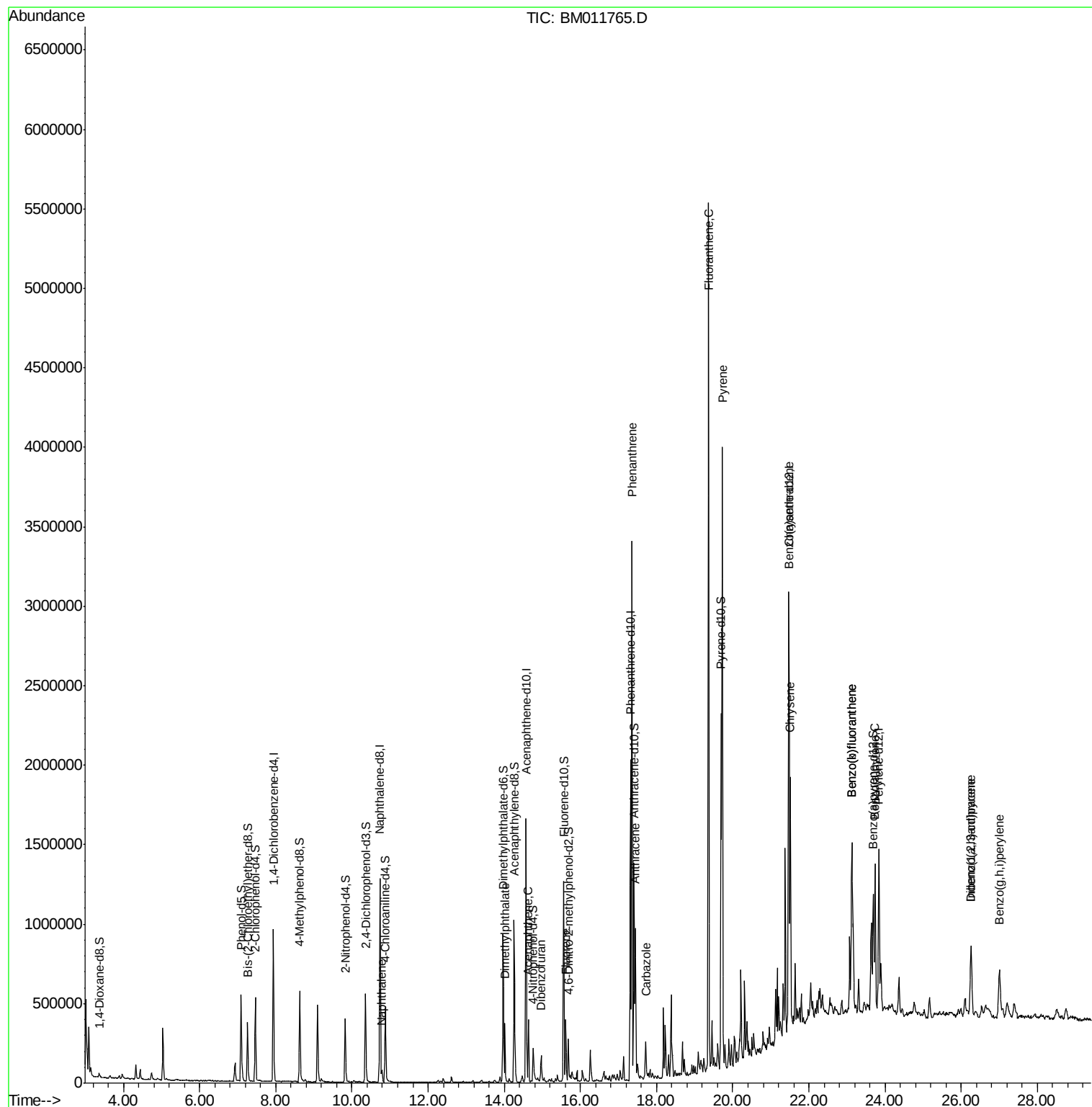
					Ovalue	
28) Naphthalene	10.79	128	52062	1.056	ng/ul	99
44) Dimethylphthalate	14.02	163	205921	4.819	ng/ul	98
49) Acenaphthene	14.63	153	149523	4.050	ng/ul	98
53) Dibenzofuran	14.97	168	85933	1.695	ng/ul	96
58) Fluorene	15.62	166	151481	3.528	ng/ul	94
69) Phenanthrene	17.36	178	1870968	29.773	ng/ul	98
71) Anthracene	17.44	178	519528	8.024	ng/ul	98
72) Carbazole	17.72	167	142710	2.516	ng/ul#	95
74) Fluoranthene	19.36	202	3060805	39.893	ng/ul#	90
77) Pyrene	19.73	202	2324823	41.845	ng/ul#	90
80) Benzo(a)anthracene	21.46	228	991383	19.007	ng/ul	97
82) Chrysene	21.52	228	853262	17.345	ng/ul	96
85) Benzo(b)fluoranthene	23.13	252	973065	21.596	ng/ul#	96
86) Benzo(k)fluoranthene	23.13	252	973065	21.169	ng/ul#	97
88) Benzo(a)pyrene	23.74	252	673174	15.469	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.26	276	426285	9.408	ng/ul#	94
90) Dibenzo(a,h)anthracene	26.26	278	98365	2.592	ng/ul#	89
91) Benzo(g,h,i)perylene	27.00	276	385986	10.263	ng/ul#	92

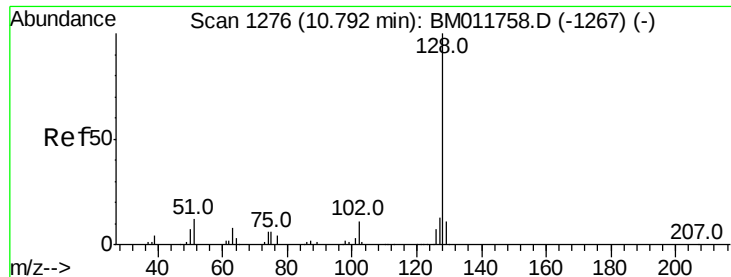
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 1.056 ng/ul

RT: 10.79 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BM011765.D

Acq: 29 Sep 2017 13:58

Instrument :

BNA_M

ClientSampleId :

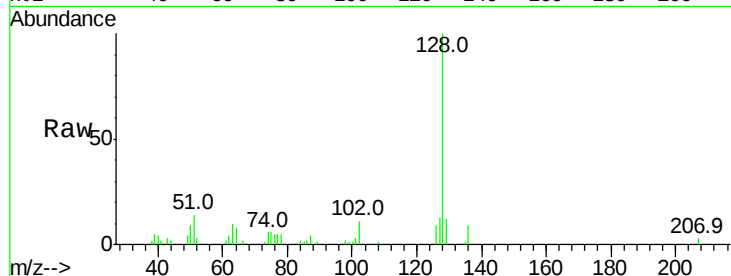
Tot Ion:128 Resp: 52062

Ion Ratio Lower Upper

128 100

129 11.9 8.8 13.2

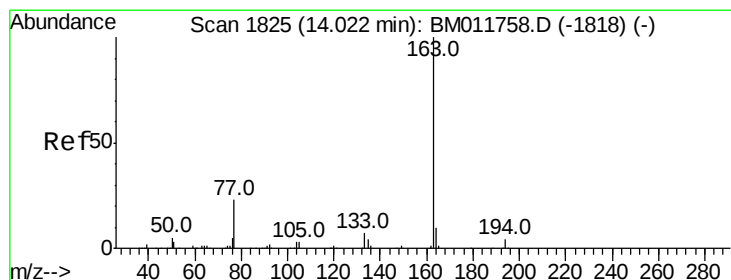
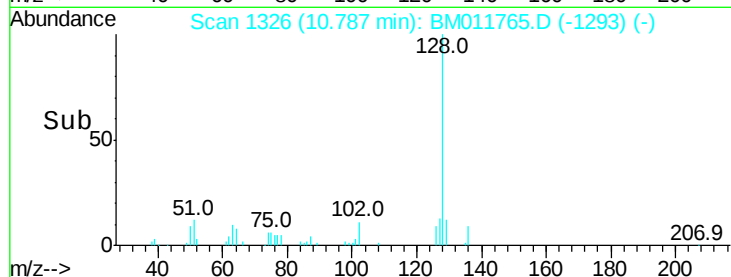
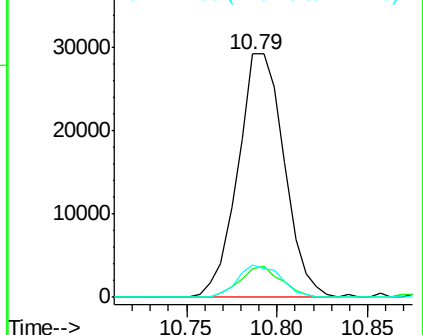
127 13.4 10.6 16.0



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



#44

Dimethylphthalate

Concen: 4.819 ng/ul

RT: 14.02 min Scan# 1876

Delta R.T. 0.00 min

Lab File: BM011765.D

Acq: 29 Sep 2017 13:58

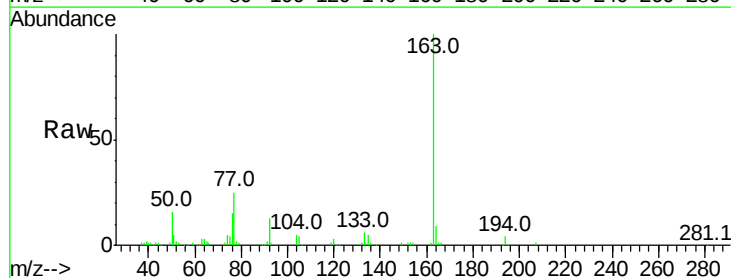
Tgt Ion:163 Resp: 205921

Ion Ratio Lower Upper

163 100

194 3.7 3.5 5.3

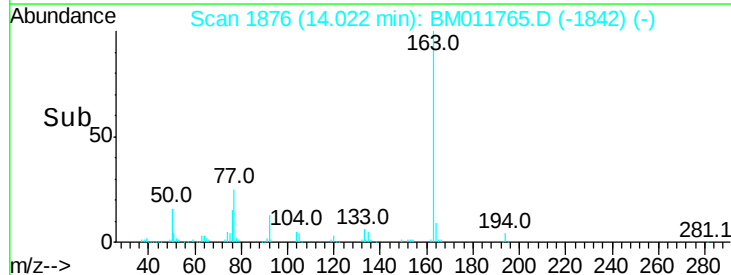
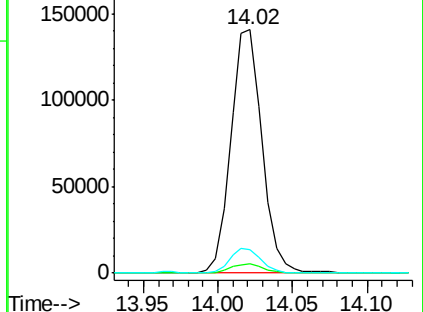
164 9.5 8.2 12.4

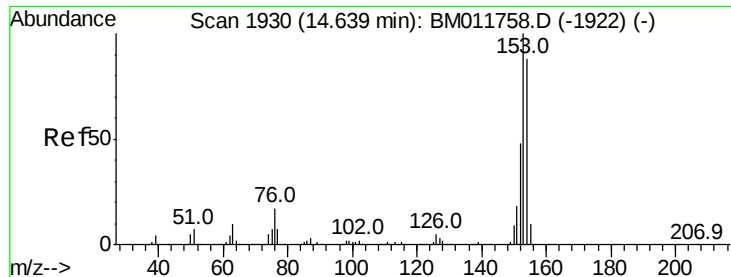


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 4.050 ng/ul

RT: 14.63 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BM011765.D

Acq: 29 Sep 2017 13:58

Instrument :

BNA_M

ClientSampleId :

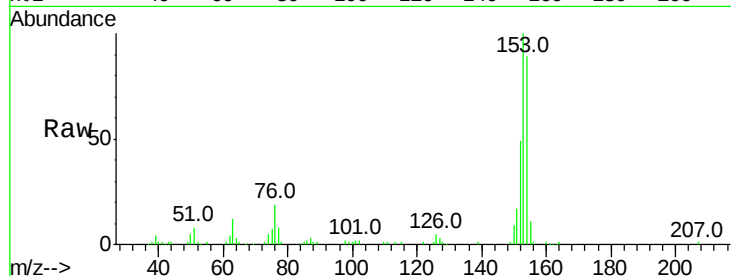
Tot Ion:153 Resp: 149523

Ion Ratio Lower Upper

153 100

152 49.2 37.6 56.4

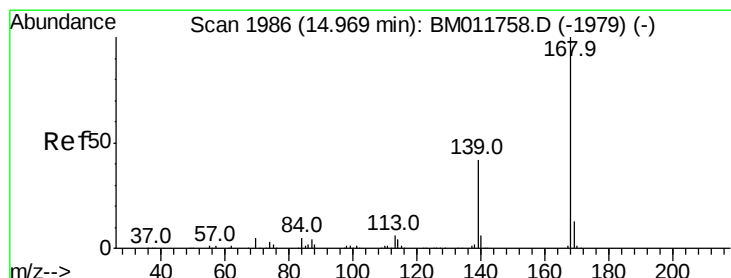
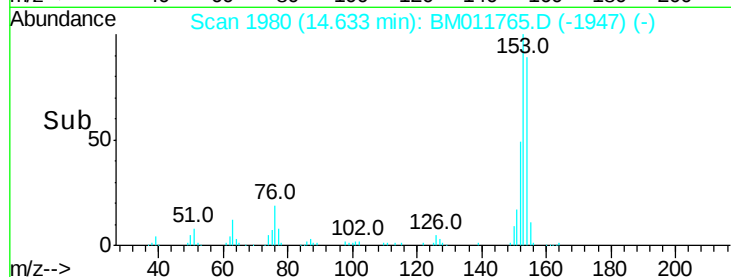
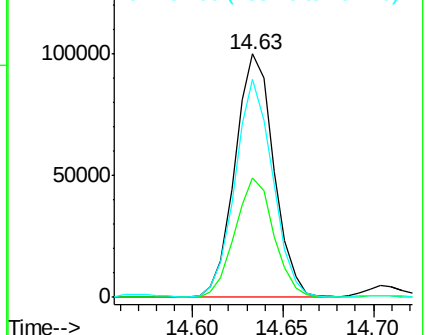
154 89.3 70.4 105.6



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: 1.695 ng/ul

RT: 14.97 min Scan# 2037

Delta R.T. 0.00 min

Lab File: BM011765.D

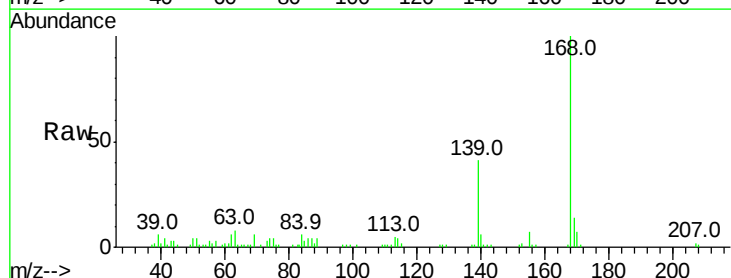
Acq: 29 Sep 2017 13:58

Tgt Ion:168 Resp: 85933

Ion Ratio Lower Upper

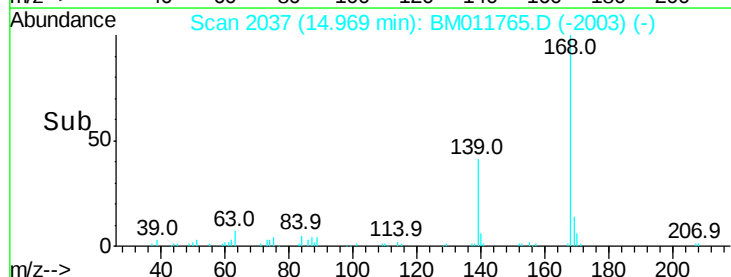
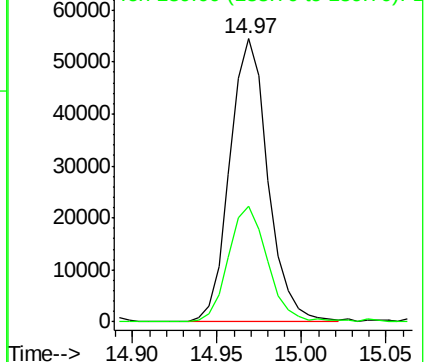
168 100

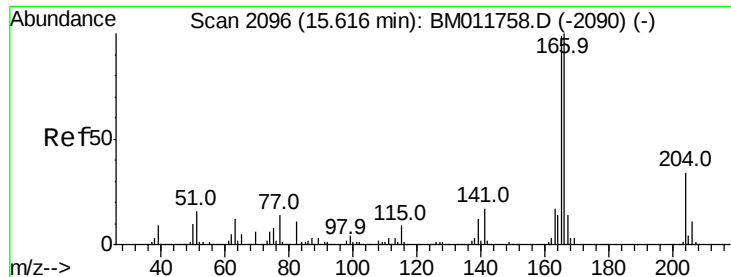
139 41.1 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 3.528 ng/ul

RT: 15.62 min Scan# 2147

Delta R.T. 0.00 min

Lab File: BM011765.D

Acq: 29 Sep 2017 13:58

Instrument :

BNA_M

ClientSampleId :

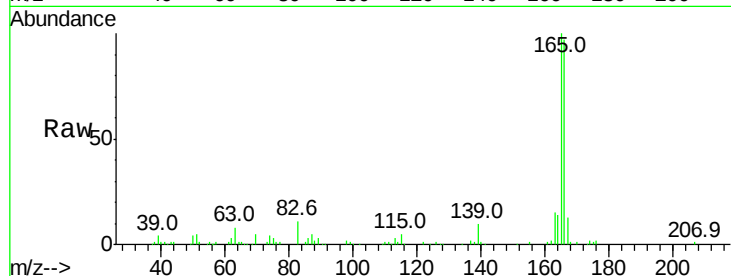
Tot Ion:166 Resp: 151481

Ion Ratio Lower Upper

166 100

165 103.6 77.9 116.9

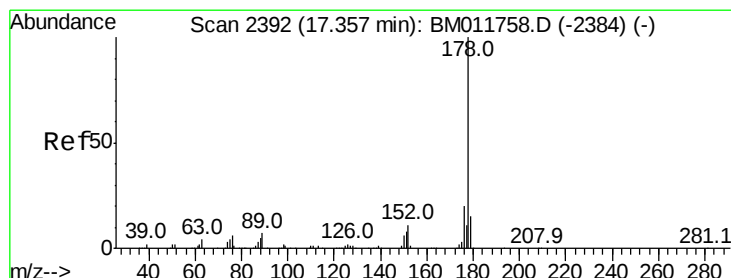
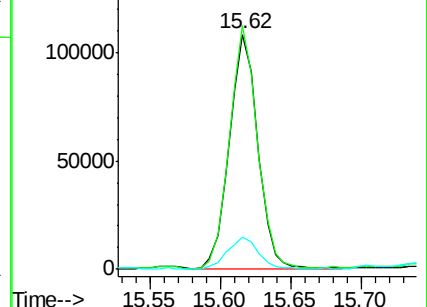
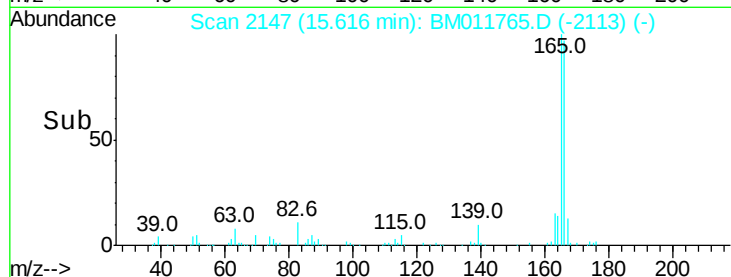
167 14.0 10.6 16.0



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: 29.773 ng/ul

RT: 17.36 min Scan# 2443

Delta R.T. 0.00 min

Lab File: BM011765.D

Acq: 29 Sep 2017 13:58

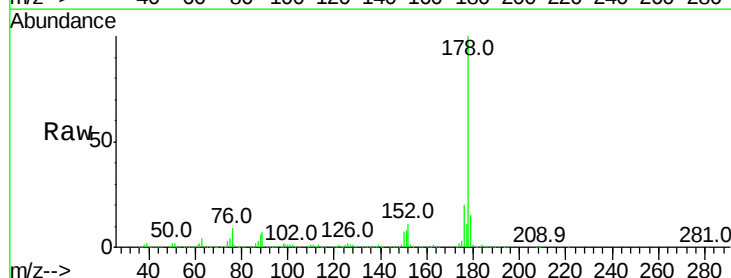
Tgt Ion:178 Resp: 1870968

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

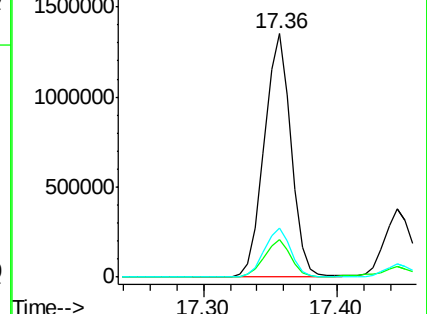
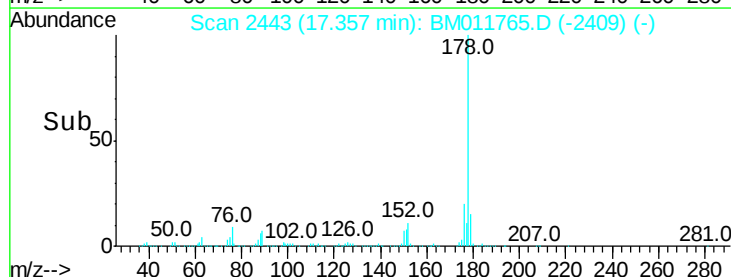
176 20.0 14.9 22.3

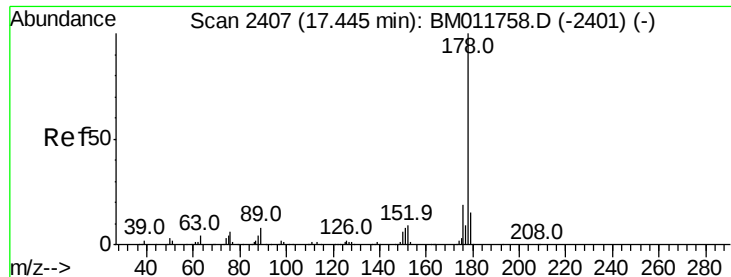


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

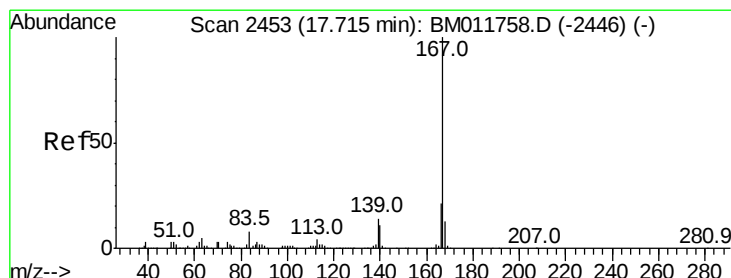
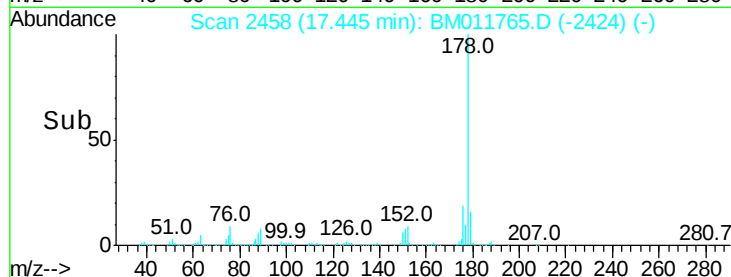
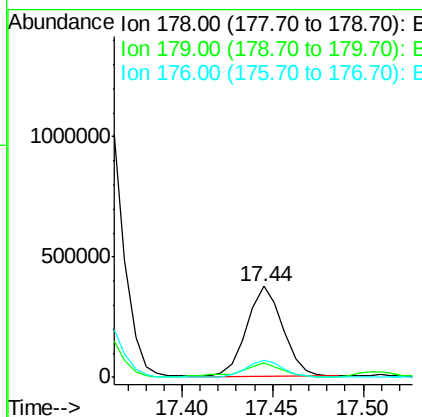
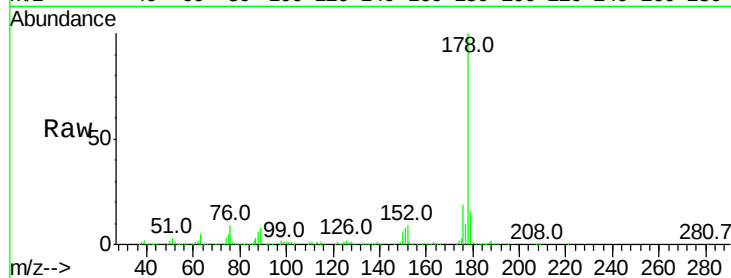




#71
 Anthracene
 Concen: 8.024 ng/ul
 RT: 17.44 min Scan# 2458
 Delta R.T. 0.00 min
 Lab File: BM011765.D
 Acq: 29 Sep 2017 13:58

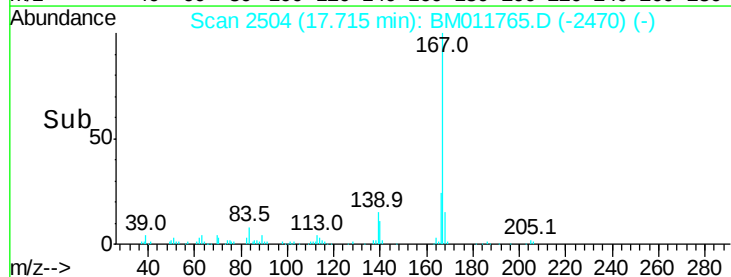
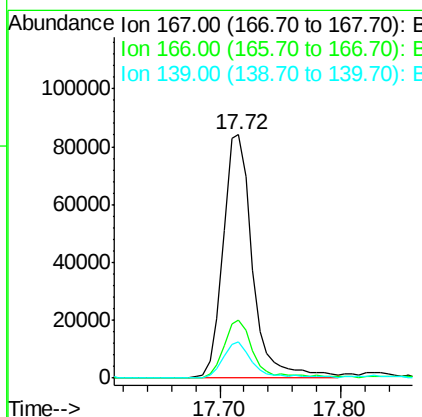
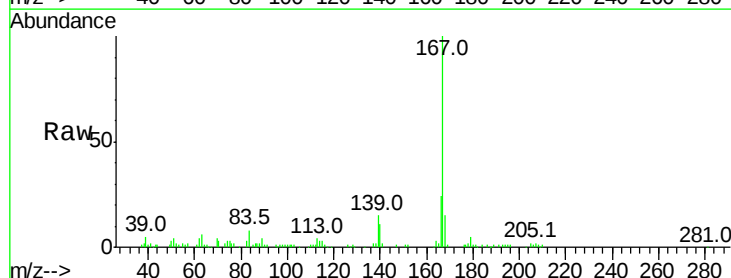
Instrument :
 BNA_M
 ClientSampleId :

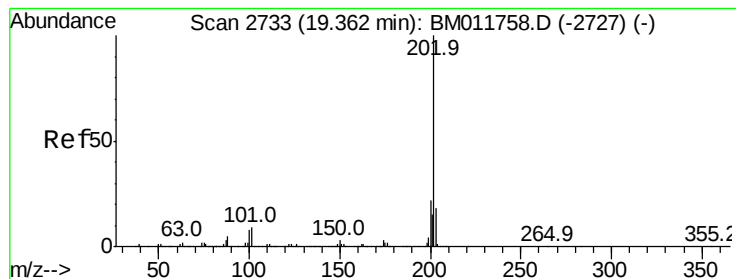
Tot Ion:178 Resp: 519528
 Ion Ratio Lower Upper
 178 100
 179 15.9 11.7 17.5
 176 18.5 14.6 21.8



#72
 Carbazole
 Concen: 2.516 ng/ul
 RT: 17.72 min Scan# 2504
 Delta R.T. 0.00 min
 Lab File: BM011765.D
 Acq: 29 Sep 2017 13:58

Tgt Ion:167 Resp: 142710
 Ion Ratio Lower Upper
 167 100
 166 23.6 17.1 25.7
 139 15.1 10.0 15.0#





#74

Fluoranthene

Concen: 39.893 ng/ul

RT: 19.36 min Scan# 2784

Delta R.T. 0.00 min

Lab File: BM011765.D

Acq: 29 Sep 2017 13:58

Instrument :

BNA_M

ClientSampleId :

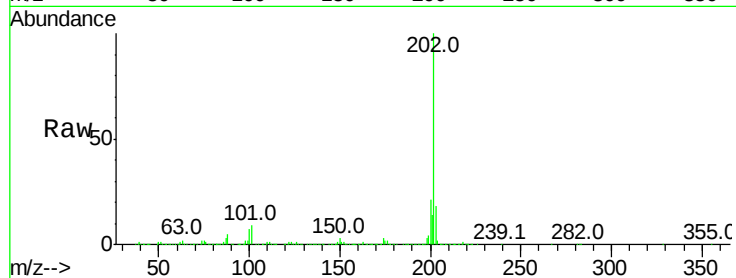
Tot Ion:202 Resp: 3060805

Ion Ratio Lower Upper

202 100

101 9.4 4.6 7.0#

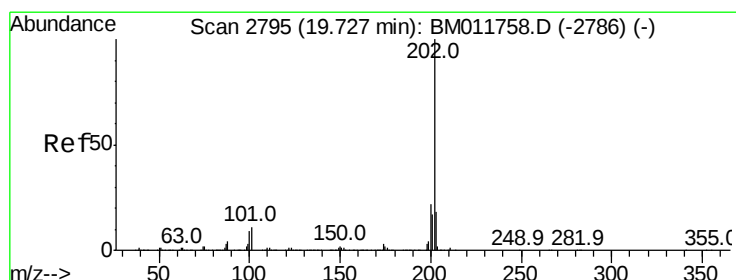
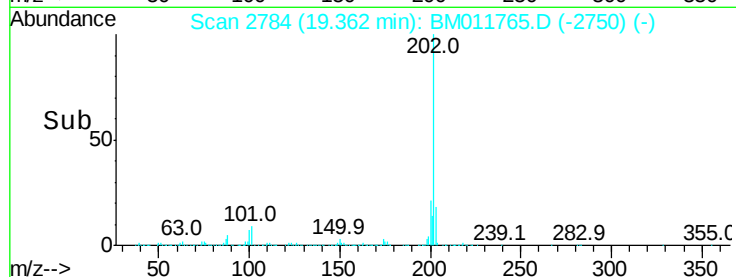
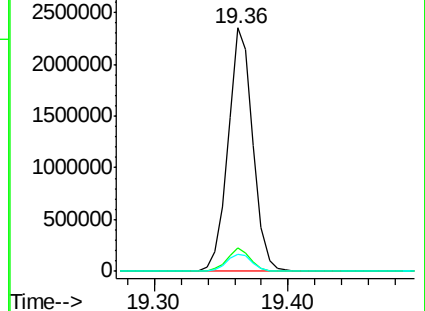
100 7.3 3.4 5.2#



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: 41.845 ng/ul

RT: 19.73 min Scan# 2846

Delta R.T. 0.00 min

Lab File: BM011765.D

Acq: 29 Sep 2017 13:58

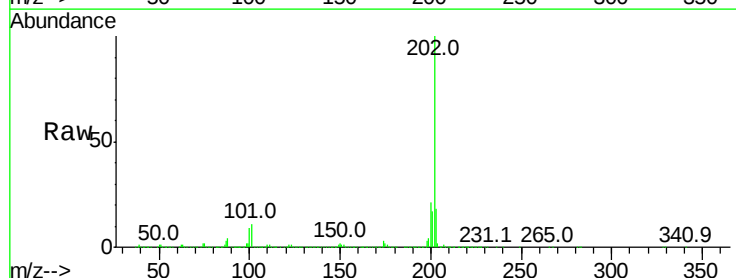
Tgt Ion:202 Resp: 2324823

Ion Ratio Lower Upper

202 100

101 10.5 5.1 7.7#

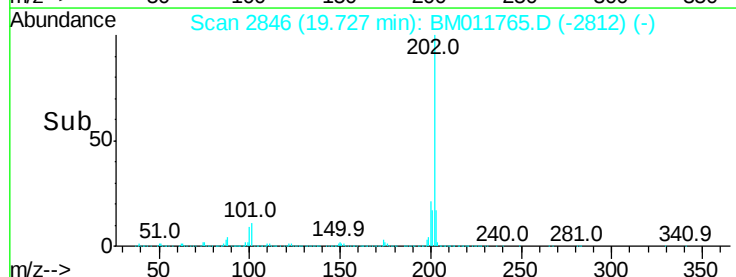
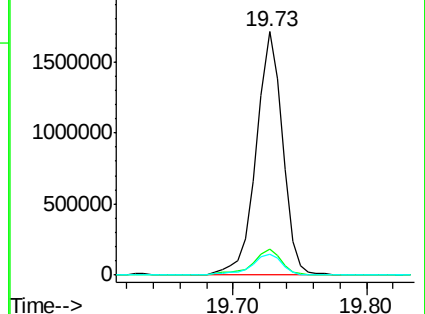
100 8.5 4.9 7.3#

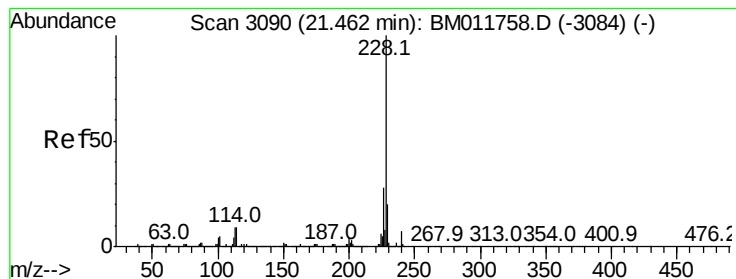


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 19.007 ng/ul

RT: 21.46 min Scan# 3141

Delta R.T. 0.00 min

Lab File: BM011765.D

Acq: 29 Sep 2017 13:58

Instrument :

BNA_M

ClientSampled :

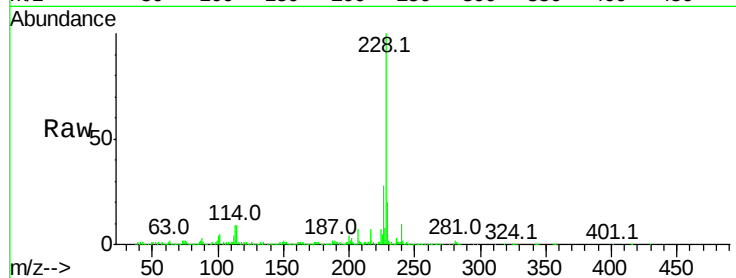
Tot Ion:228 Resp: 991383

Ion Ratio Lower Upper

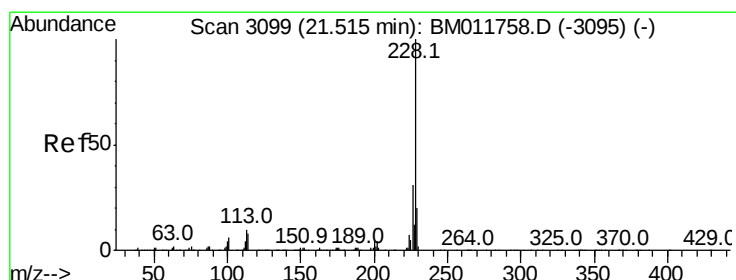
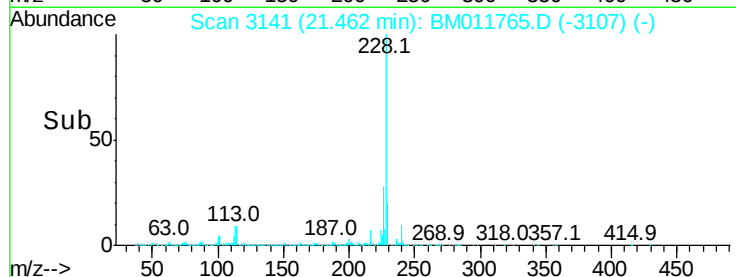
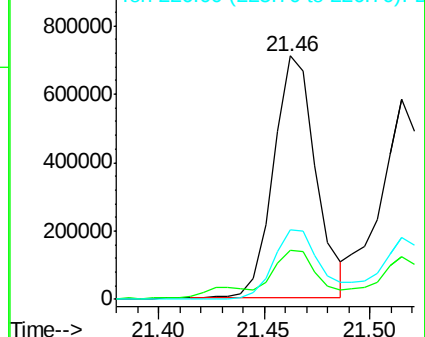
228 100

229 20.4 15.4 23.0

226 28.4 21.4 32.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#82

Chrysene

Concen: 17.345 ng/ul

RT: 21.52 min Scan# 3150

Delta R.T. 0.00 min

Lab File: BM011765.D

Acq: 29 Sep 2017 13:58

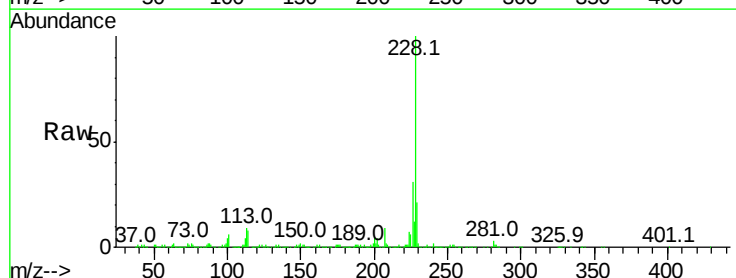
Tgt Ion:228 Resp: 853262

Ion Ratio Lower Upper

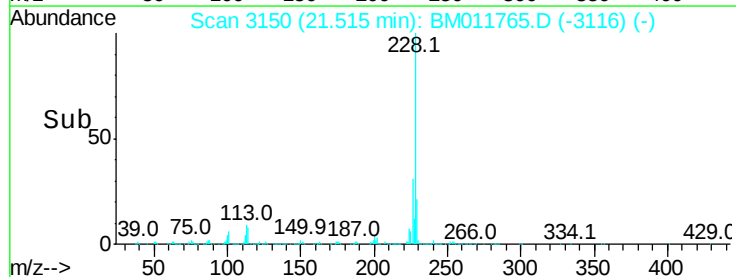
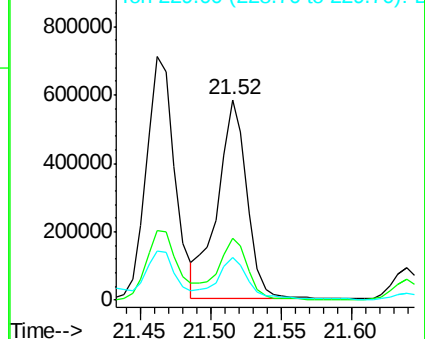
228 100

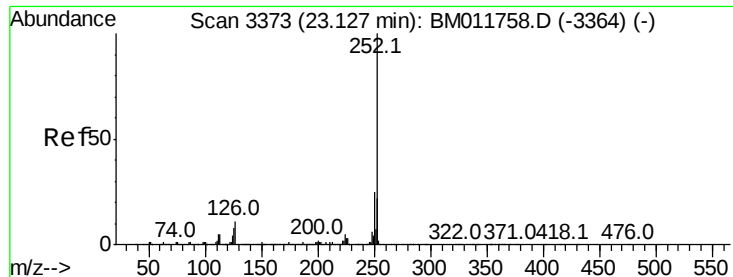
226 31.0 23.4 35.2

229 21.5 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: 21.596 ng/ul

RT: 23.13 min Scan# 3424

Delta R.T. 0.00 min

Lab File: BM011765.D

Acq: 29 Sep 2017 13:58

Instrument :

BNA_M

ClientSampleId :

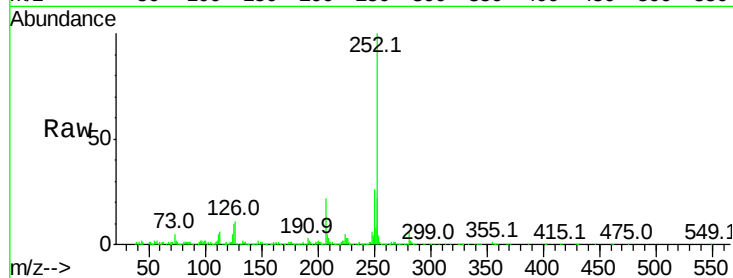
Tot Ion:252 Resp: 973065

Ion Ratio Lower Upper

252 100

253 21.7 17.9 26.9

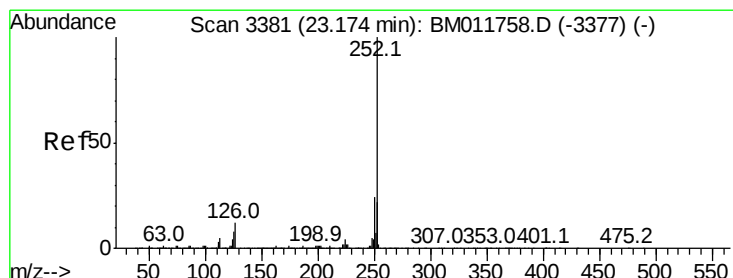
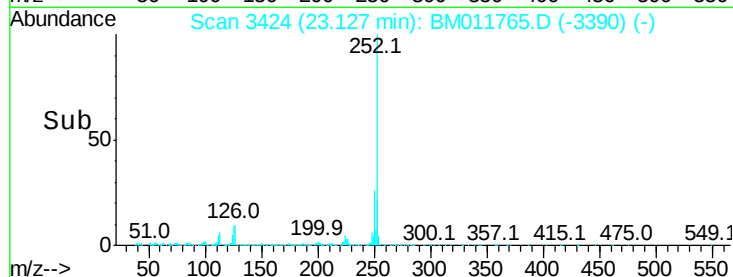
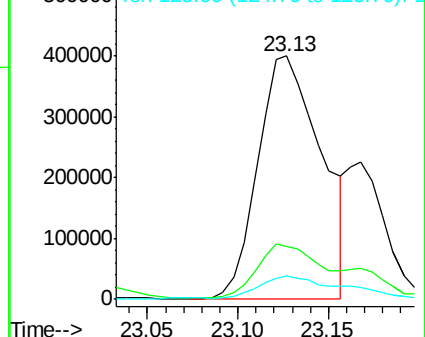
125 9.6 3.6 5.4#



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: 21.169 ng/ul

RT: 23.13 min Scan# 3424

Delta R.T. -0.05 min

Lab File: BM011765.D

Acq: 29 Sep 2017 13:58

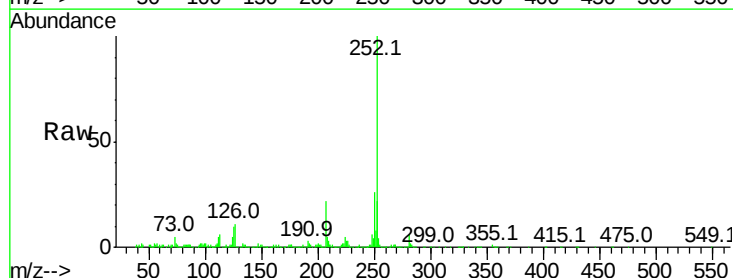
Tgt Ion:252 Resp: 973065

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

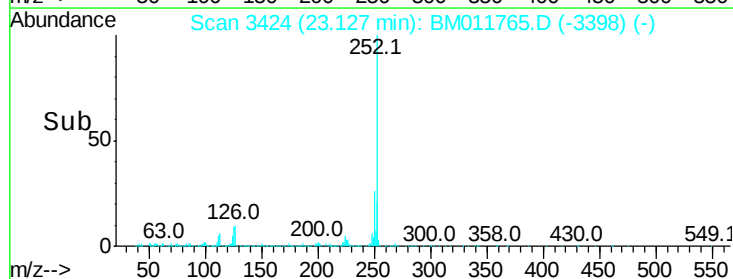
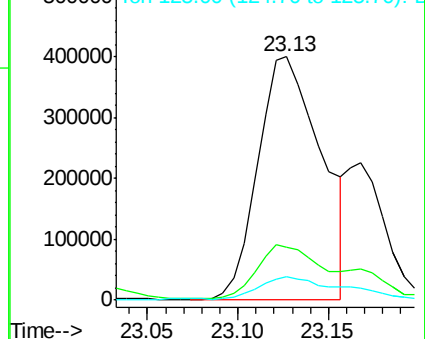
125 9.6 3.4 5.2#

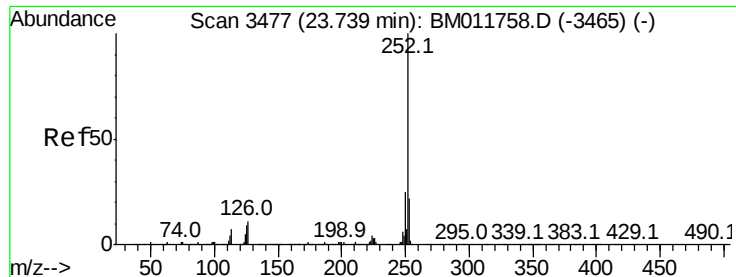


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 15.469 ng/ul

RT: 23.74 min Scan# 3528

Delta R.T. 0.00 min

Lab File: BM011765.D

Acq: 29 Sep 2017 13:58

Instrument :

BNA_M

ClientSampleId :

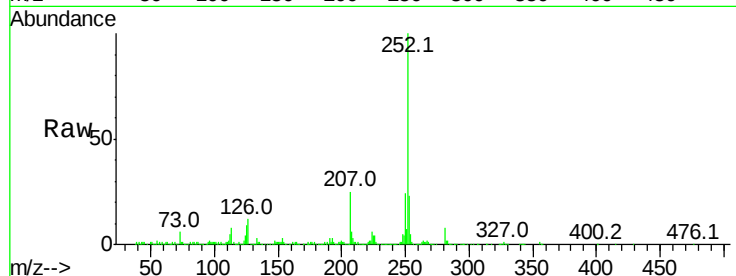
Tot Ion:252 Resp: 673174

Ion Ratio Lower Upper

252 100

253 23.1 18.2 27.2

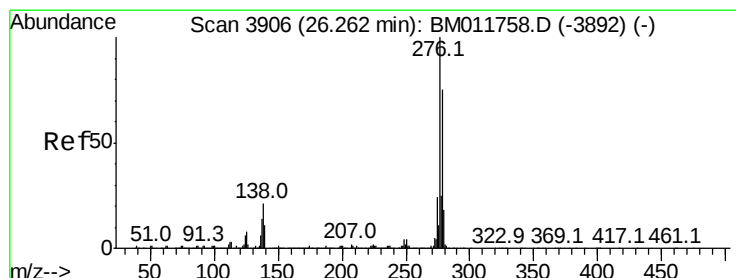
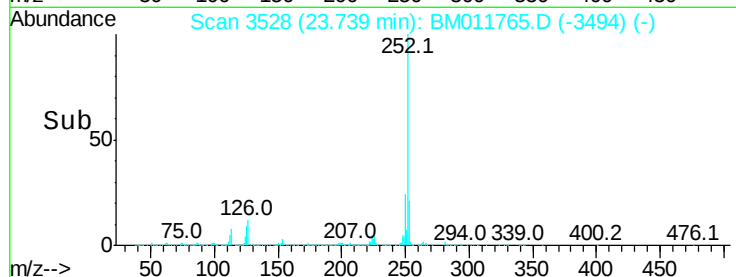
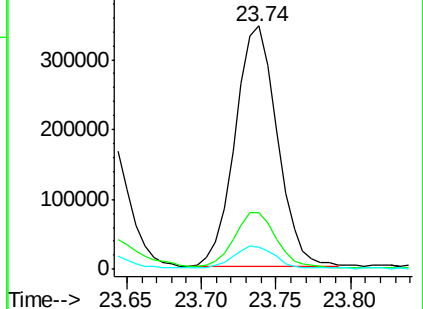
125 9.3 4.0 6.0#



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: 9.408 ng/ul

RT: 26.26 min Scan# 3956

Delta R.T. -0.01 min

Lab File: BM011765.D

Acq: 29 Sep 2017 13:58

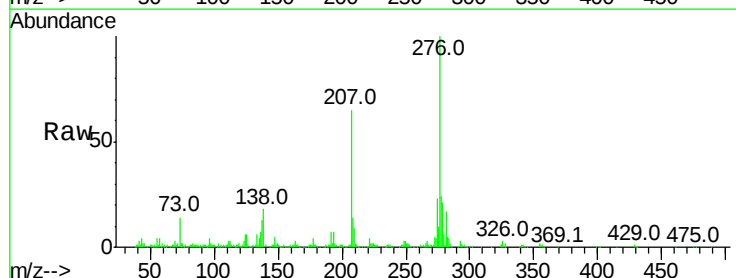
Tgt Ion:276 Resp: 426285

Ion Ratio Lower Upper

276 100

138 17.9 9.3 13.9#

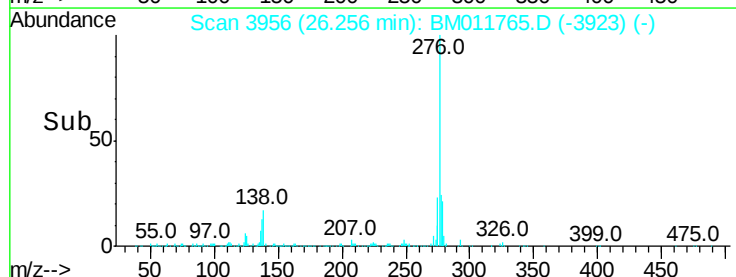
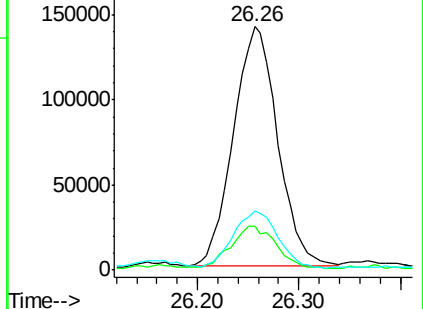
277 24.1 19.9 29.9

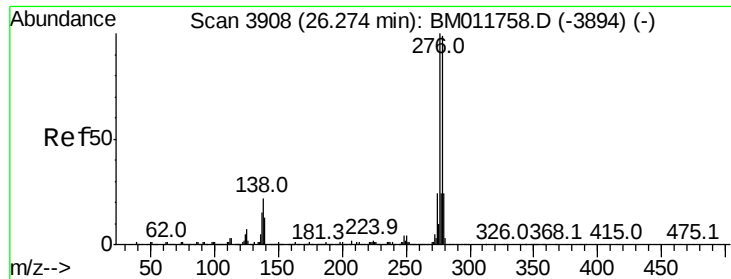


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



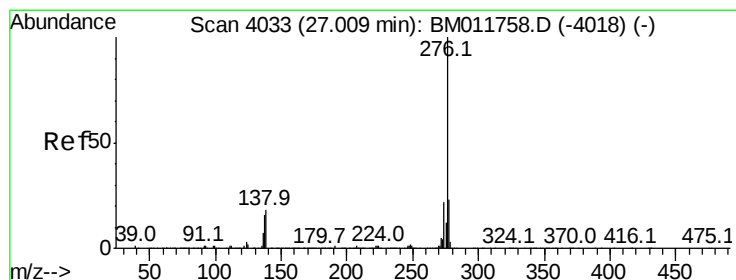
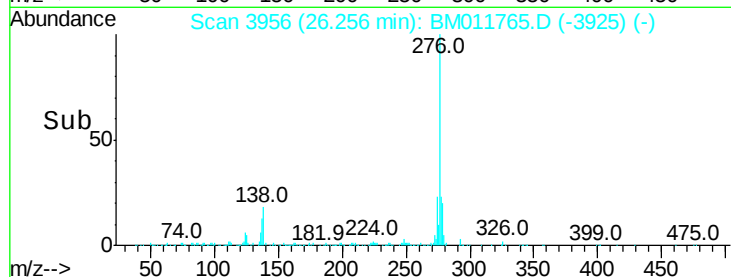
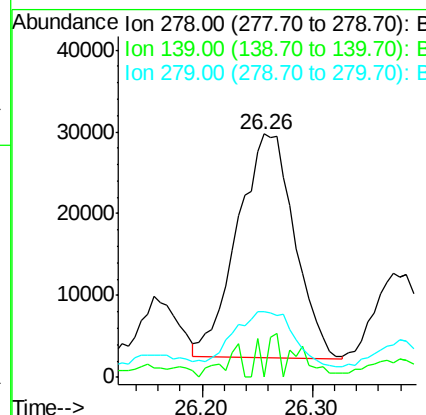
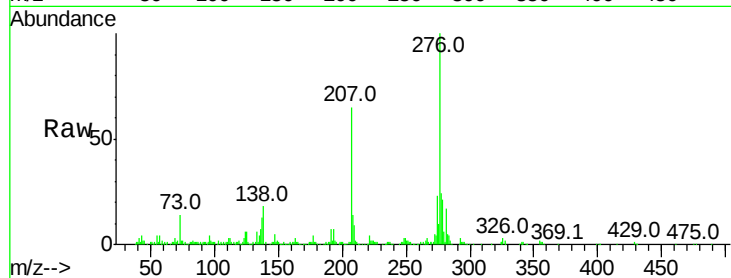


#90

Dibenzo(a,h)anthracene
 Concen: 2.592 ng/ul
 RT: 26.26 min Scan# 3956
 Delta R.T. -0.02 min
 Lab File: BM011765.D
 Acq: 29 Sep 2017 13:58

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	27.2	18.6	27.8



#91

Benzo(g,h,i)perylene
 Concen: 10.263 ng/ul
 RT: 27.00 min Scan# 4083
 Delta R.T. -0.01 min
 Lab File: BM011765.D
 Acq: 29 Sep 2017 13:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.4	8.5	12.7#
277	23.7	18.6	28.0

