

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
 Data File : BM011749.D
 Acq On : 28 Sep 2017 06:47
 Operator : SJ/JU
 Sample : I5377-22
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 28 07:55:32 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	308933	20.00	ng/ul	0.00
18) Naphthalene-d8	10.74	136	1367676	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.57	164	730878	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.32	188	1512025	20.00	ng/ul	0.00
75) Chrysene-d12	21.48	240	1119423	20.00	ng/ul	0.00
83) Perylene-d12	23.84	264	999021	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	17863	2.58	ng/uL	0.00
5) Phenol-d5	7.09	99	438266	14.42	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.26	67	335645	15.23	ng/ul	0.00
9) 2-Chlorophenol-d4	7.46	132	356964	15.79	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	340798	14.32	ng/ul	0.00
19) Nitrobenzene-d5	9.10	128	176958	16.59	ng/ul	0.00
22) 2-Nitrophenol-d4	9.82	143	189624	16.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.36	165	347699	16.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.88	131	273942	11.41	ng/ul	0.00
43) Dimethylphthalate-d6	13.97	166	1094124	17.45	ng/ul	0.00
46) Acenaphthylene-d8	14.27	160	1297971	17.12	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	116676	10.89	ng/ul	0.00
57) Fluorene-d10	15.56	176	915518	16.96	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.68	200	106372	10.39	ng/ul	0.00
70) Anthracene-d10	17.41	188	1300928	16.91	ng/ul	0.00
76) Pyrene-d10	19.70	212	1307296	24.47	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.69	264	823369	17.21	ng/ul	0.00

Target Compounds

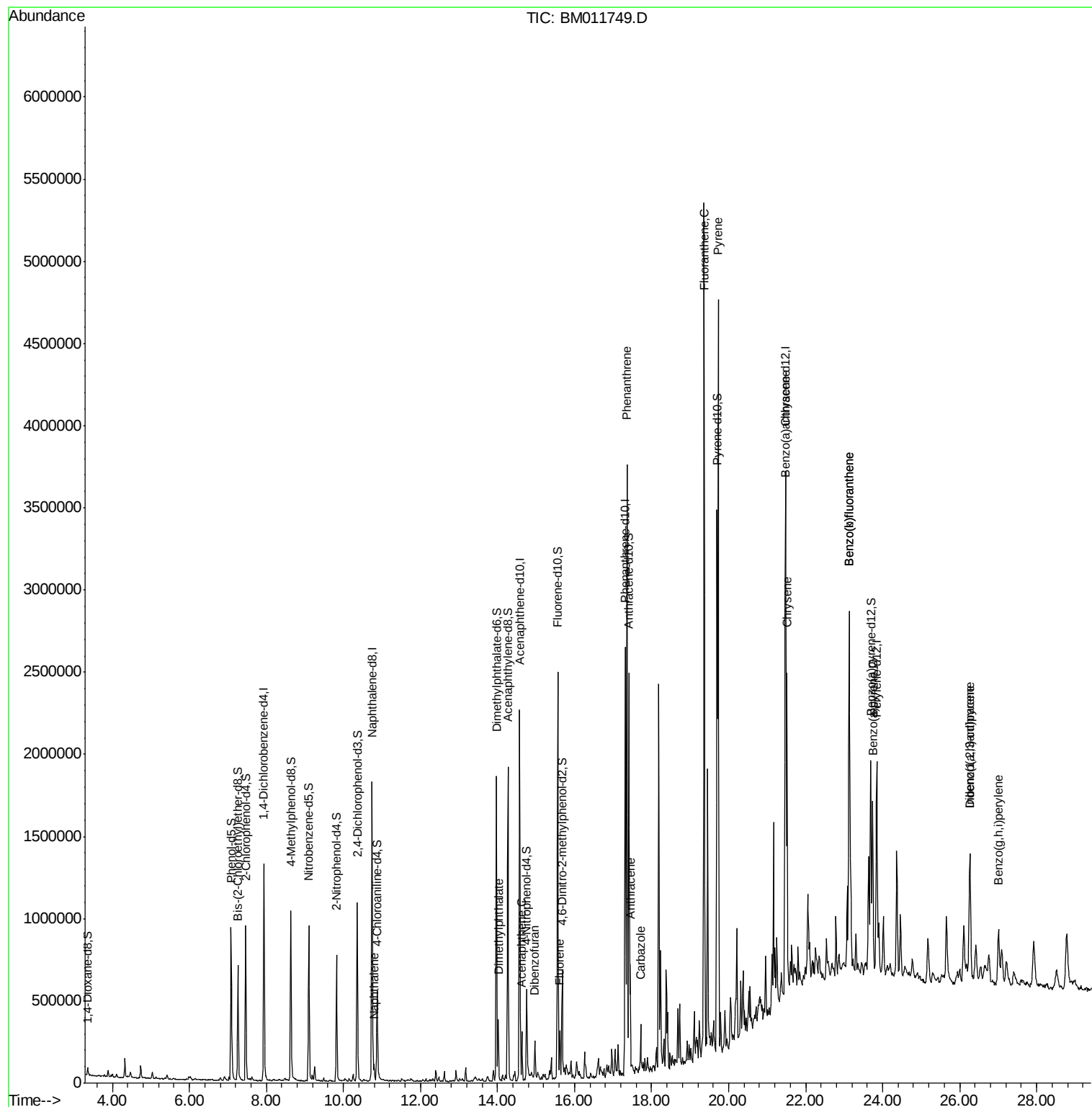
					Ovalue	
28) Naphthalene	10.79	128	73597	1.030	ng/ul	99
44) Dimethylphthalate	14.02	163	205479	3.427	ng/ul	99
49) Acenaphthene	14.63	153	112312	2.169	ng/ul	99
53) Dibenzofuran	14.97	168	92295	1.298	ng/ul	99
58) Fluorene	15.62	166	116405	1.933	ng/ul	98
69) Phenanthrene	17.36	178	2074092	24.509	ng/ul	98
71) Anthracene	17.44	178	367037	4.210	ng/ul	99
72) Carbazole	17.72	167	171385	2.244	ng/ul	97
74) Fluoranthene	19.37	202	2944003	28.493	ng/ul#	91
77) Pyrene	19.73	202	2602165	39.008	ng/ul#	88
80) Benzo(a)anthracene	21.46	228	1072070	17.118	ng/ul	97
82) Chrysene	21.52	228	1032370	17.478	ng/ul	96
85) Benzo(b)fluoranthene	23.13	252	1125673	19.097	ng/ul#	95
86) Benzo(k)fluoranthene	23.13	252	1125673	18.720	ng/ul#	93
88) Benzo(a)pyrene	23.74	252	748404	13.146	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.26	276	503995	8.503	ng/ul#	92
90) Dibenzo(a,h)anthracene	26.26	278	131756	2.654	ng/ul#	89
91) Benzo(g,h,i)perylene	27.00	276	452733	9.202	ng/ul#	86

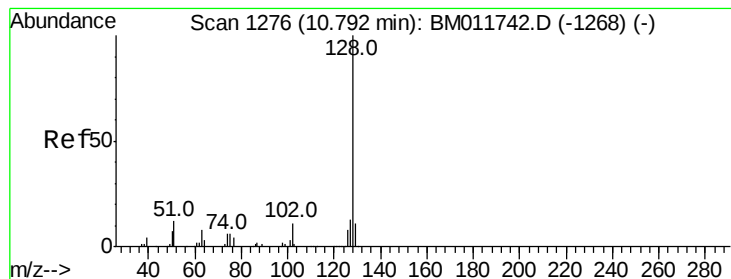
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 1.030 ng/ul

RT: 10.79 min Scan# 1276

Delta R.T. 0.00 min

Lab File: BM011749.D

Acq: 28 Sep 2017 06:47

Instrument :

BNA_M

ClientSampled :

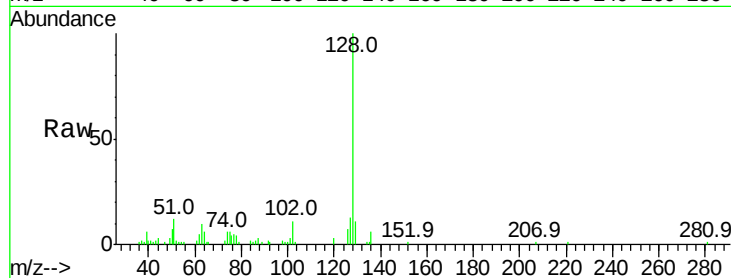
Tot Ion:128 Resp: 73597

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

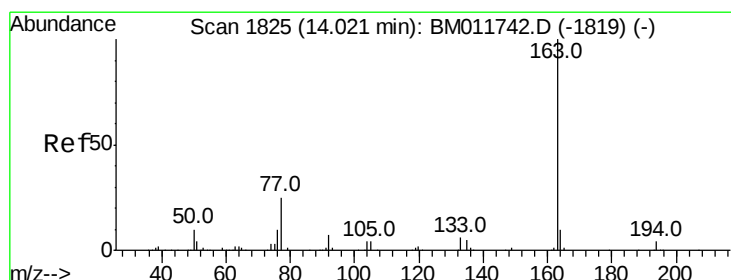
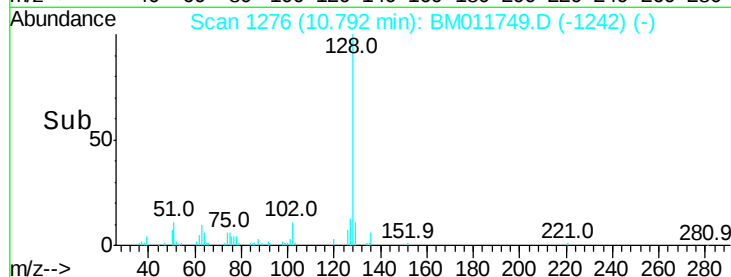
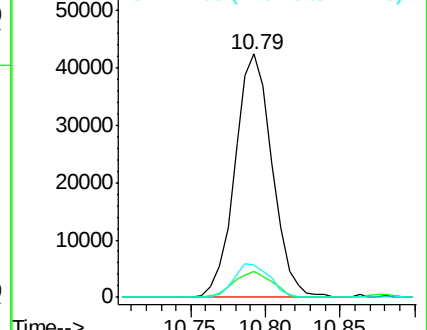
127 13.1 10.6 16.0



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: 3.427 ng/ul

RT: 14.02 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BM011749.D

Acq: 28 Sep 2017 06:47

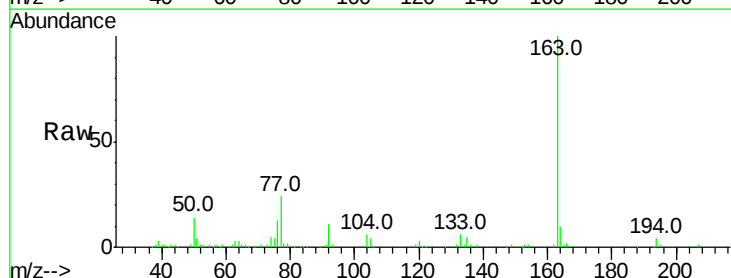
Tgt Ion:163 Resp: 205479

Ion Ratio Lower Upper

163 100

194 4.0 3.5 5.3

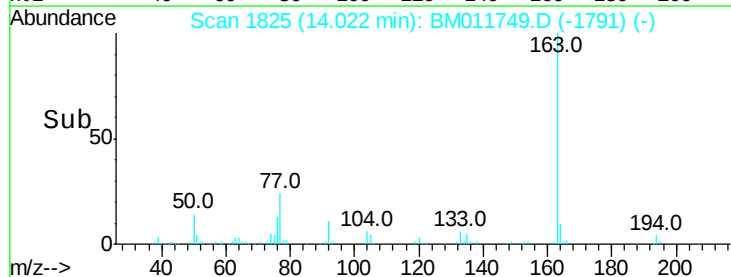
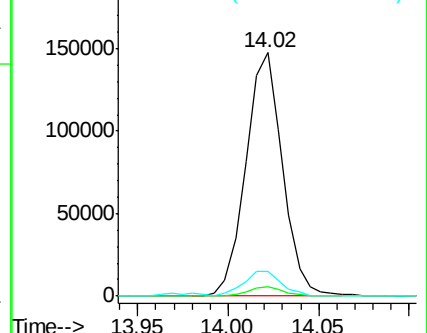
164 9.9 8.2 12.4

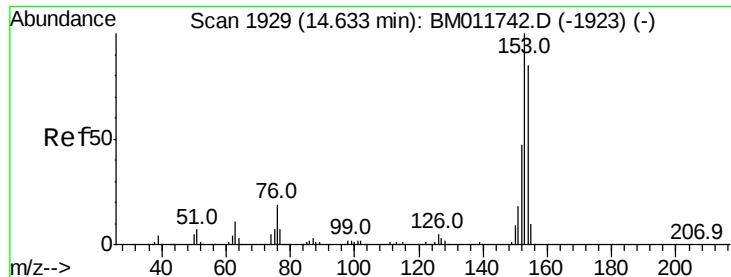


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 2.169 ng/ul

RT: 14.63 min Scan# 1929

Delta R.T. 0.00 min

Lab File: BM011749.D

Acq: 28 Sep 2017 06:47

Instrument :

BNA_M

ClientSampleId :

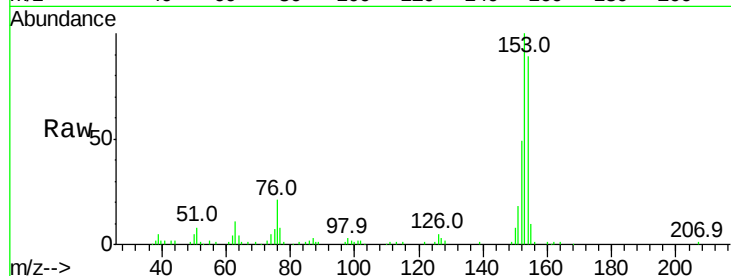
Tot Ion:153 Resp: 112312

Ion Ratio Lower Upper

153 100

152 48.6 37.6 56.4

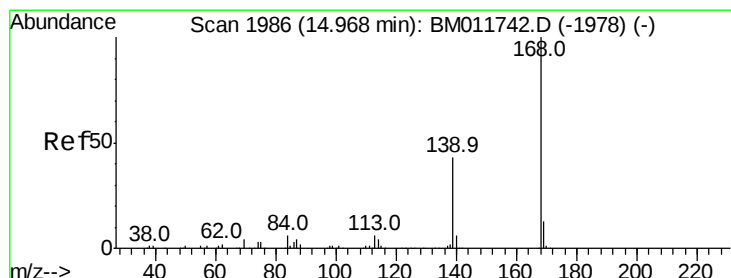
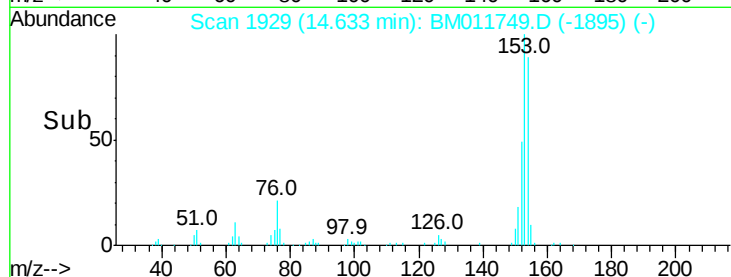
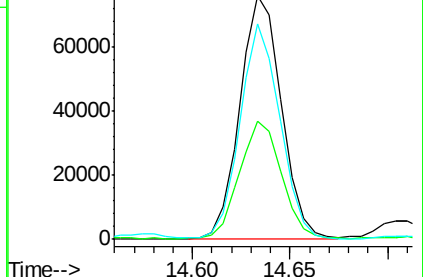
154 88.7 70.4 105.6



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: 1.298 ng/ul

RT: 14.97 min Scan# 1986

Delta R.T. 0.00 min

Lab File: BM011749.D

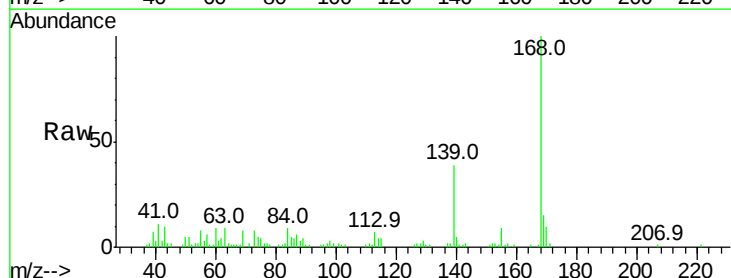
Acq: 28 Sep 2017 06:47

Tgt Ion:168 Resp: 92295

Ion Ratio Lower Upper

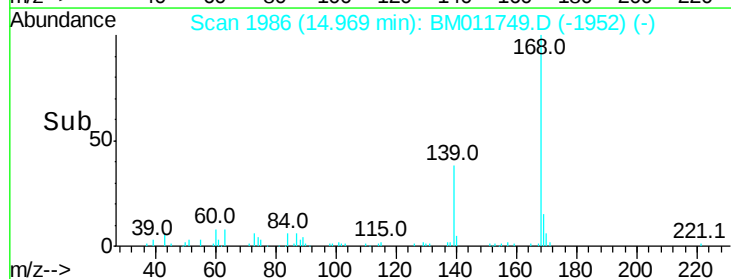
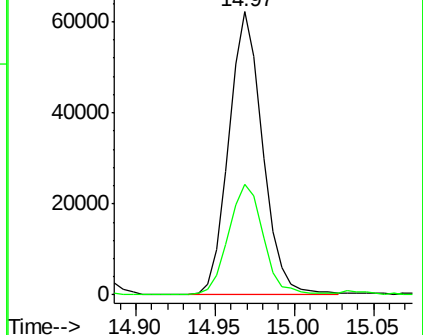
168 100

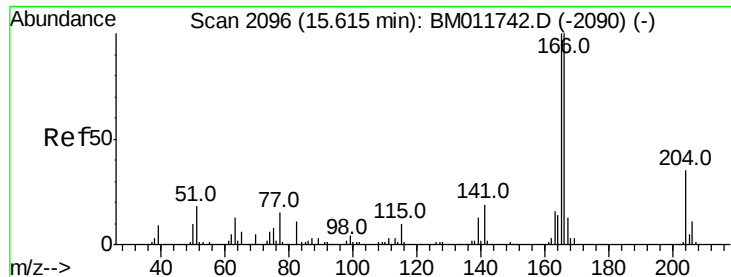
139 39.1 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 1.933 ng/ul

RT: 15.62 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BM011749.D

Acq: 28 Sep 2017 06:47

Instrument :

BNA_M

ClientSampled :

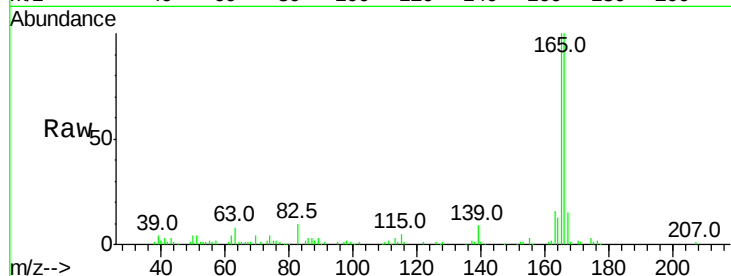
Tot Ion:166 Resp: 116405

Ion Ratio Lower Upper

166 100

165 99.7 77.9 116.9

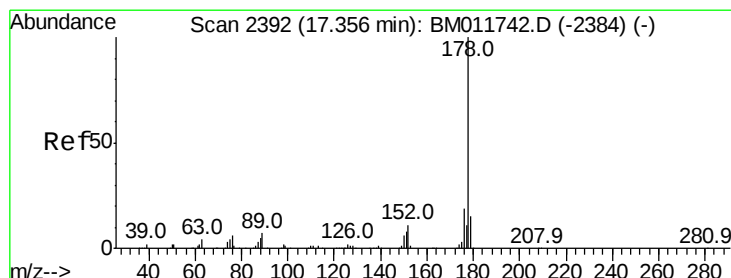
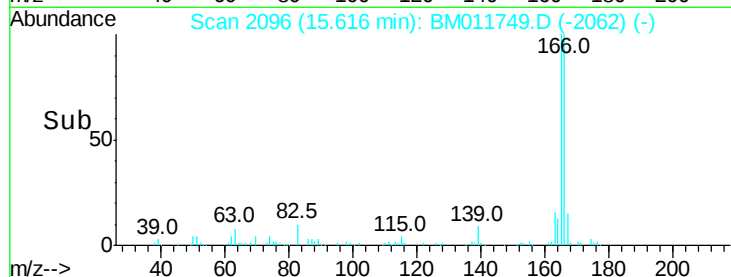
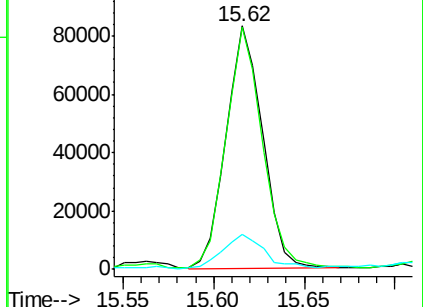
167 14.5 10.6 16.0



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: 24.509 ng/ul

RT: 17.36 min Scan# 2392

Delta R.T. 0.00 min

Lab File: BM011749.D

Acq: 28 Sep 2017 06:47

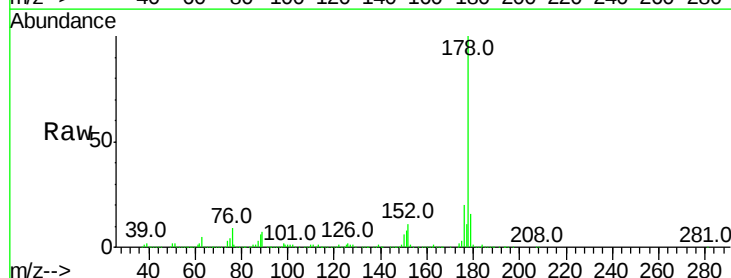
Tgt Ion:178 Resp: 2074092

Ion Ratio Lower Upper

178 100

179 15.7 12.6 19.0

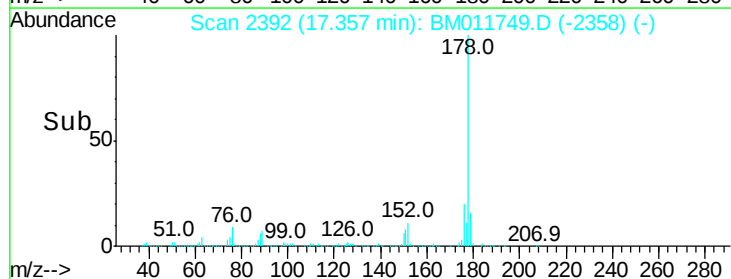
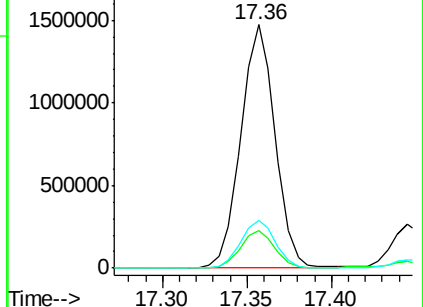
176 19.7 14.9 22.3

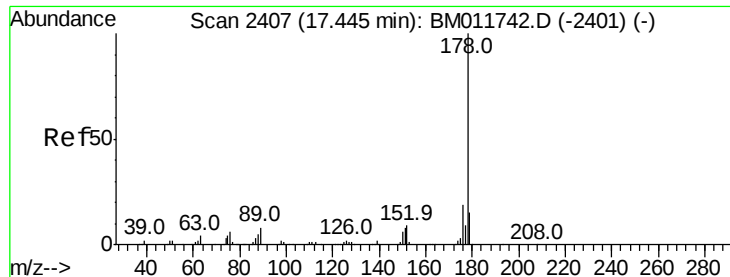


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 4.210 ng/ul

RT: 17.44 min Scan# 2407

Delta R.T. 0.00 min

Lab File: BM011749.D

Acq: 28 Sep 2017 06:47

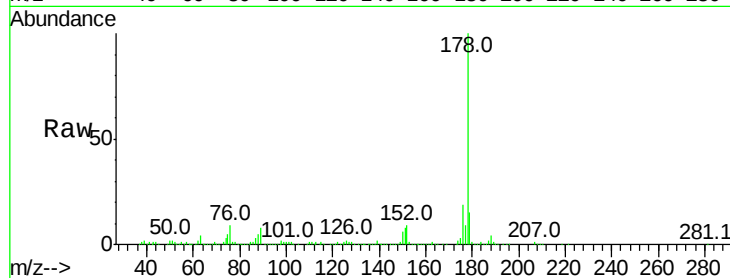
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 367037

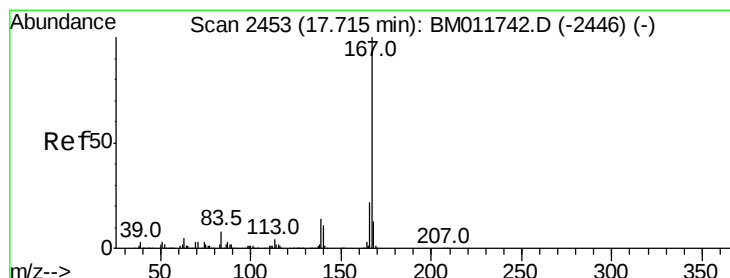
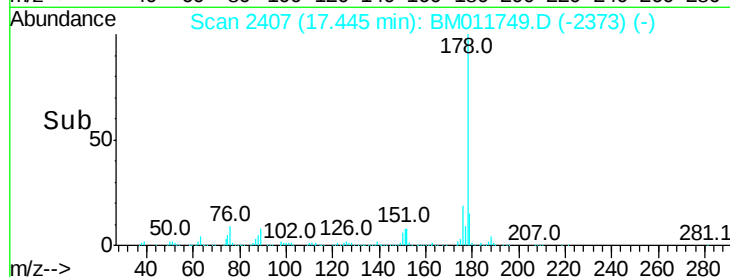
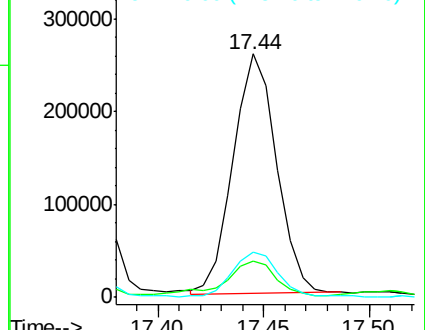
Ion	Ratio	Lower	Upper
178	100		
179	15.1	11.7	17.5
176	18.7	14.6	21.8



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: 2.244 ng/ul

RT: 17.72 min Scan# 2453

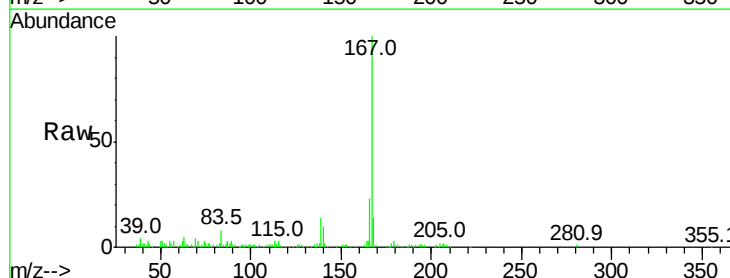
Delta R.T. 0.00 min

Lab File: BM011749.D

Acq: 28 Sep 2017 06:47

Tgt Ion:167 Resp: 171385

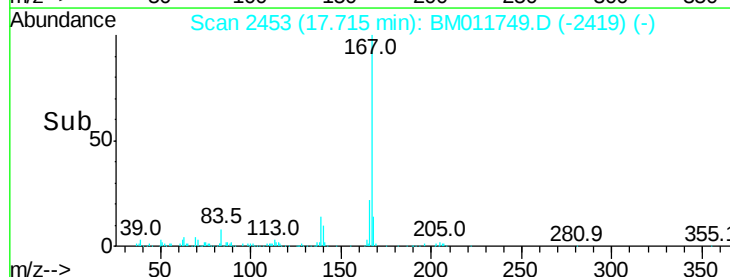
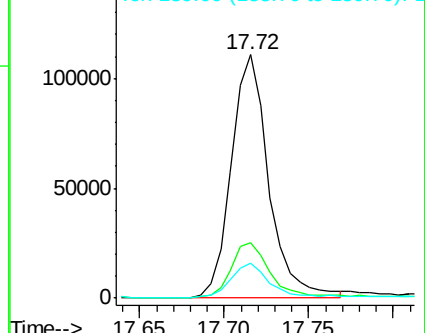
Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.1	25.7
139	14.3	10.0	15.0

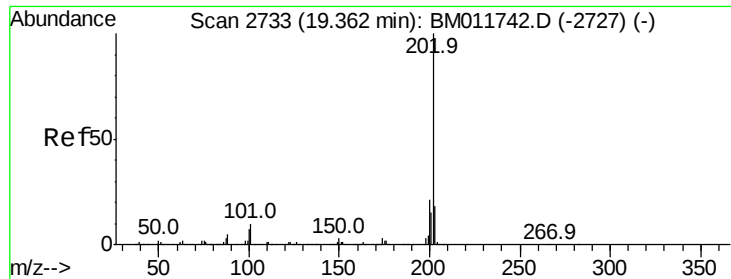


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

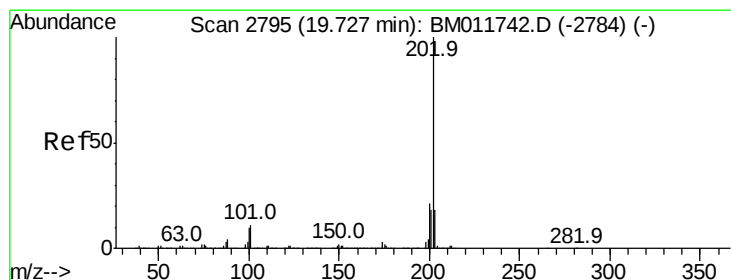
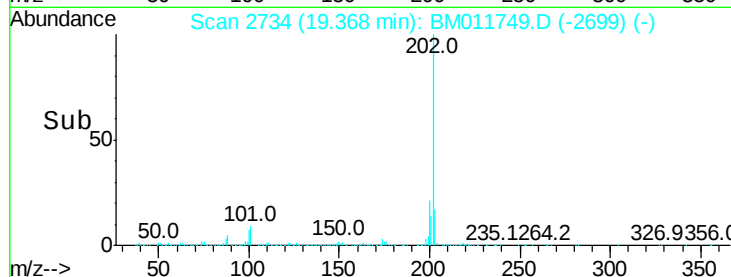
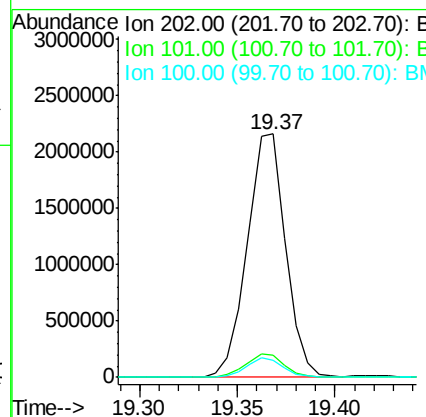
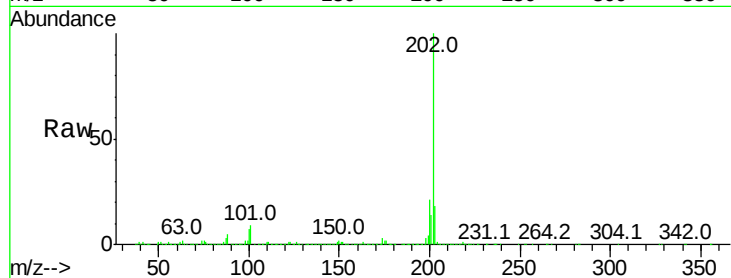




#74
 Fluoranthene
 Concen: 28.493 ng/ul
 RT: 19.37 min Scan# 2734
 Delta R.T. 0.01 min
 Lab File: BM011749.D
 Acq: 28 Sep 2017 06:47

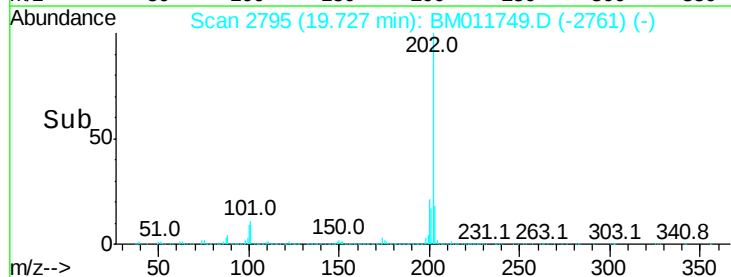
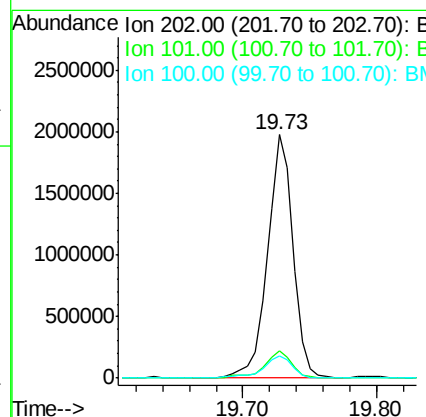
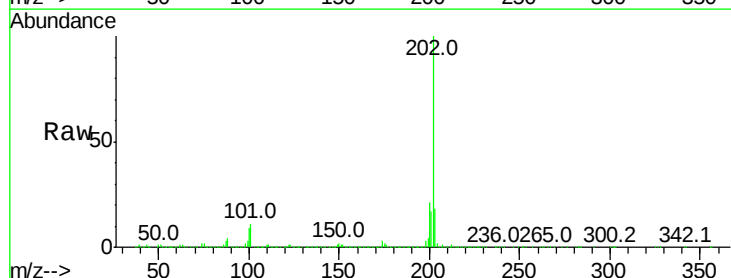
Instrument :
 BNA_M
 ClientSampled :

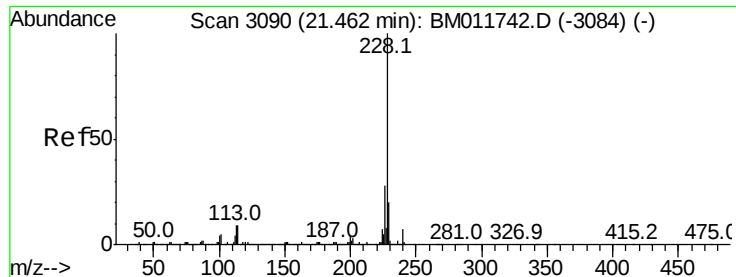
Tot Ion:202 Resp: 2944003
 Ion Ratio Lower Upper
 202 100
 101 8.9 4.6 7.0#
 100 6.8 3.4 5.2#



#77
 Pyrene
 Concen: 39.008 ng/ul
 RT: 19.73 min Scan# 2795
 Delta R.T. 0.00 min
 Lab File: BM011749.D
 Acq: 28 Sep 2017 06:47

Tgt Ion:202 Resp: 2602165
 Ion Ratio Lower Upper
 202 100
 101 11.4 5.1 7.7#
 100 9.3 4.9 7.3#





#80

Benzo(a)anthracene

Concen: 17.118 ng/ul

RT: 21.46 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BM011749.D

Acq: 28 Sep 2017 06:47

Instrument :

BNA_M

ClientSampleId :

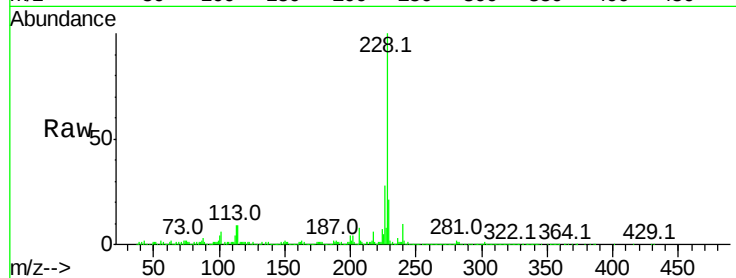
Tot Ion:228 Resp: 1072070

Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.4	23.0
226	28.2	21.4	32.0

228 100

229 20.6 15.4 23.0

226 28.2 21.4 32.0

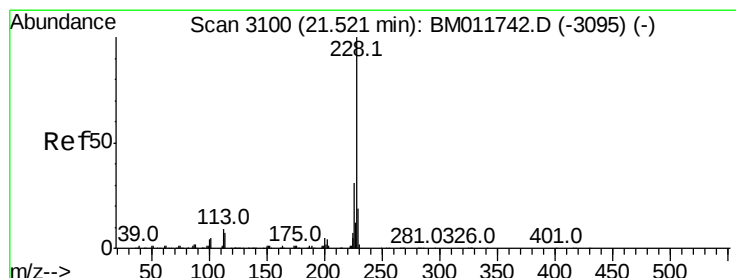
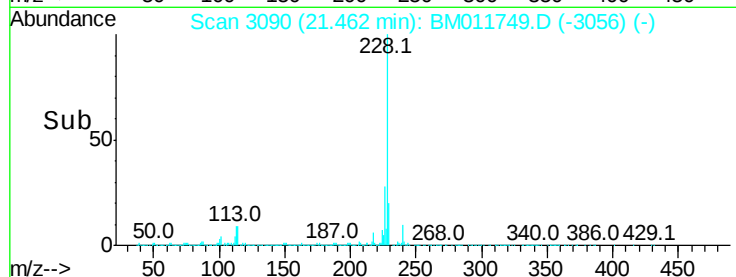
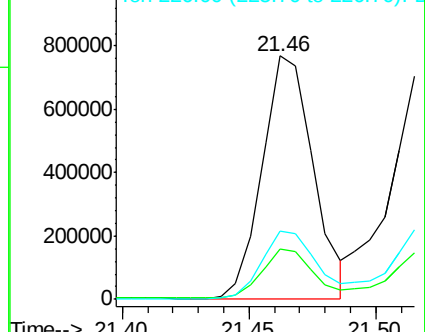


Abundance

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



#82

Chrysene

Concen: 17.478 ng/ul

RT: 21.52 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM011749.D

Acq: 28 Sep 2017 06:47

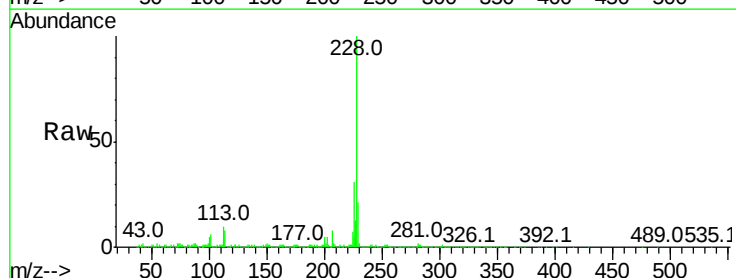
Tgt Ion:228 Resp: 1032370

Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.4	35.2
229	20.8	15.5	23.3

228 100

226 31.4 23.4 35.2

229 20.8 15.5 23.3

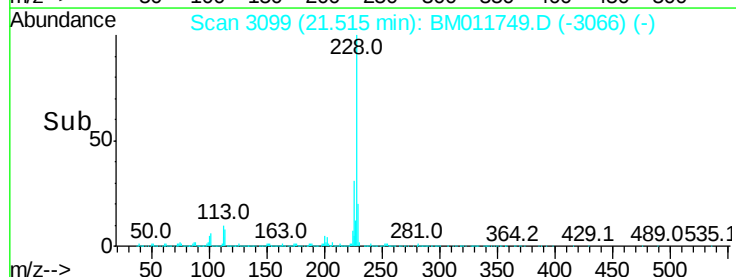
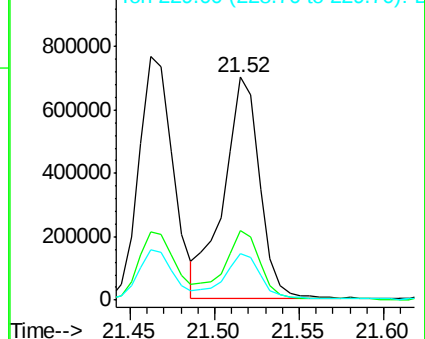


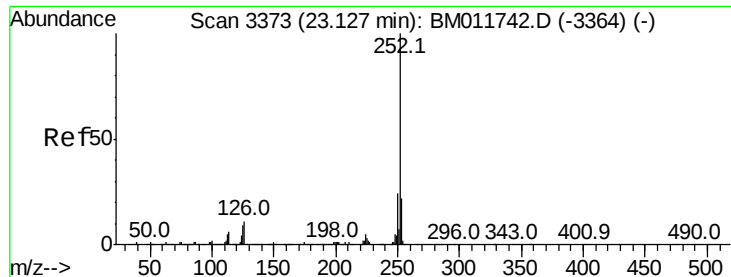
Abundance

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: 19.097 ng/ul

RT: 23.13 min Scan# 3373

Delta R.T. 0.00 min

Lab File: BM011749.D

Acq: 28 Sep 2017 06:47

Instrument :

BNA_M

ClientSampleId :

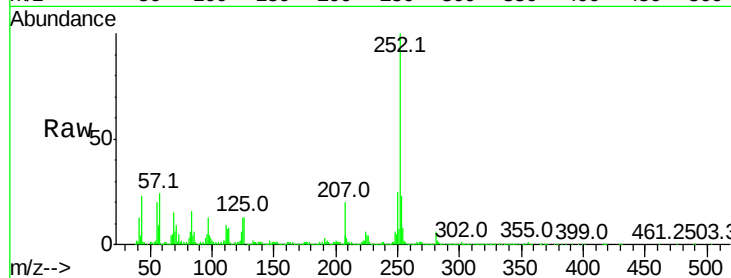
Tot Ion:252 Resp: 1125673

Ion Ratio Lower Upper

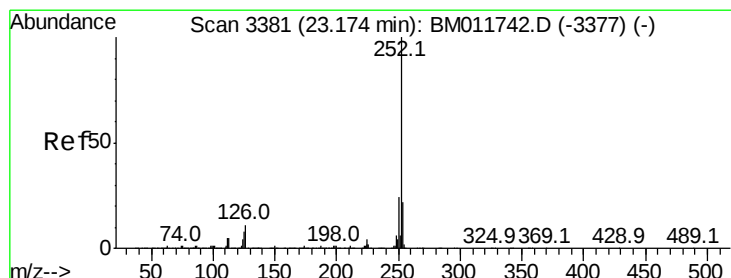
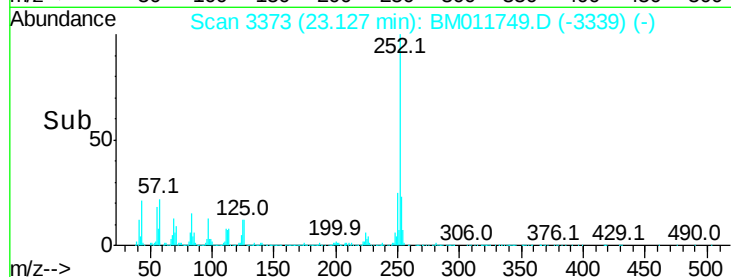
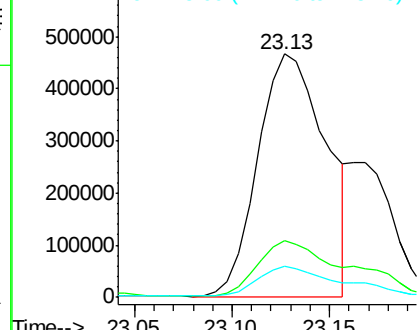
252 100

253 23.1 17.9 26.9

125 12.7 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: 18.720 ng/ul

RT: 23.13 min Scan# 3373

Delta R.T. -0.05 min

Lab File: BM011749.D

Acq: 28 Sep 2017 06:47

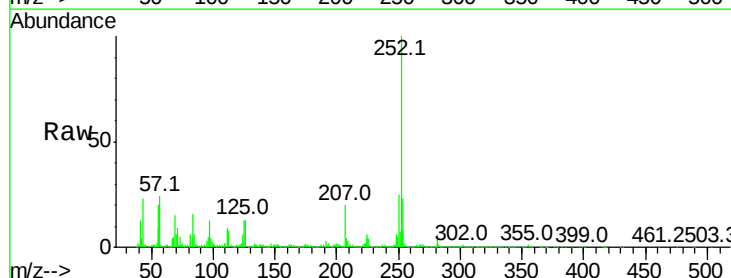
Tgt Ion:252 Resp: 1125673

Ion Ratio Lower Upper

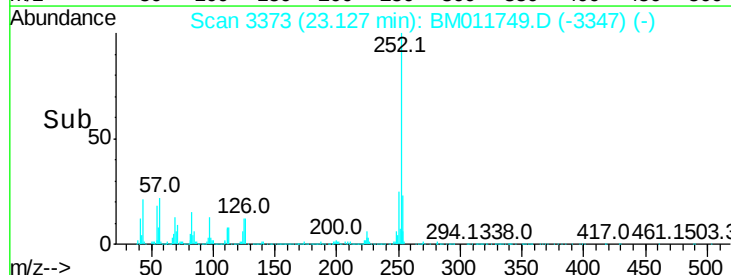
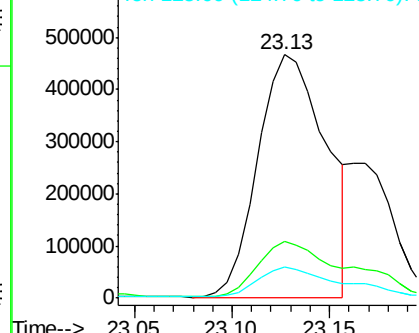
252 100

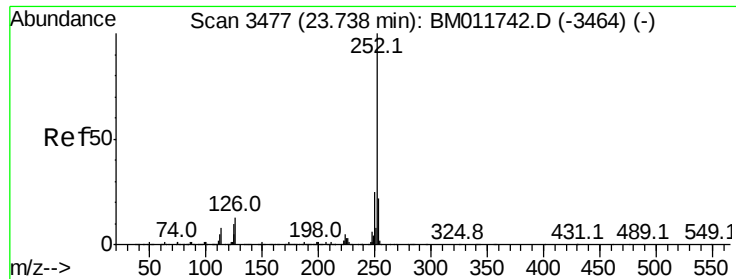
253 23.1 17.1 25.7

125 12.7 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: 13.146 ng/ul

RT: 23.74 min Scan# 3477

Delta R.T. 0.00 min

Lab File: BM011749.D

Acq: 28 Sep 2017 06:47

Instrument :

BNA_M

ClientSampleId :

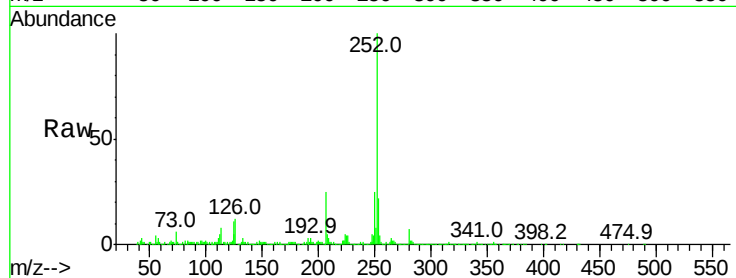
Tot Ion:252 Resp: 748404

Ion Ratio Lower Upper

252 100

253 22.0 18.2 27.2

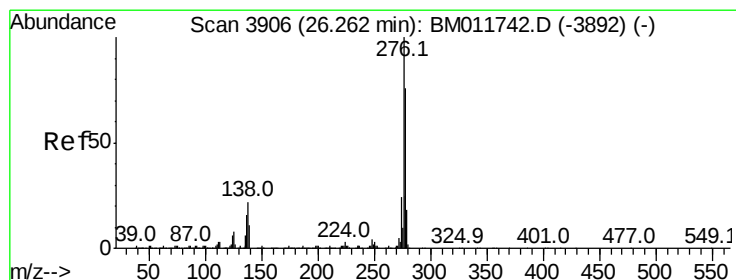
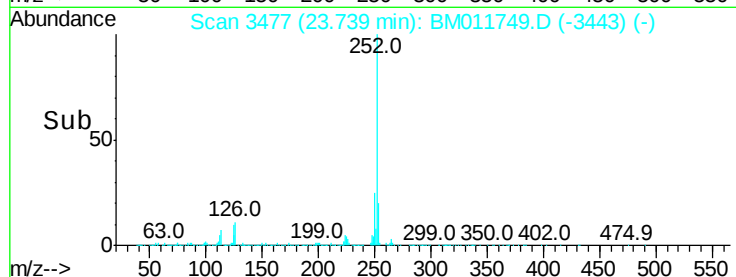
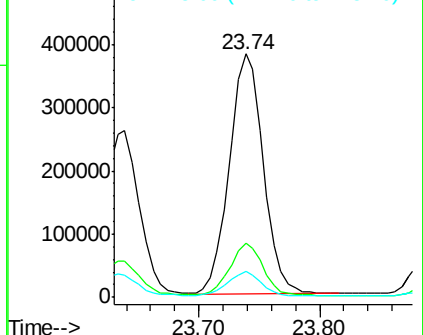
125 10.9 4.0 6.0#



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: 8.503 ng/ul

RT: 26.26 min Scan# 3906

Delta R.T. 0.00 min

Lab File: BM011749.D

Acq: 28 Sep 2017 06:47

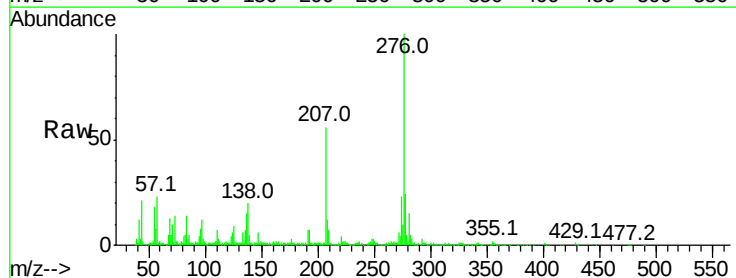
Tgt Ion:276 Resp: 503995

Ion Ratio Lower Upper

276 100

138 20.0 9.3 13.9#

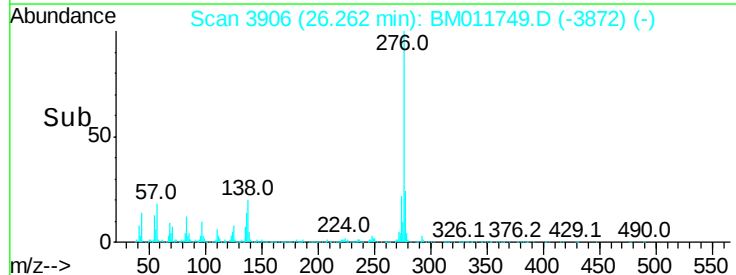
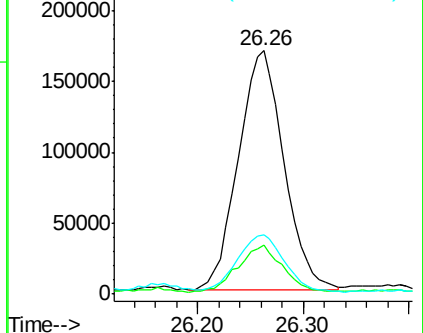
277 24.2 19.9 29.9

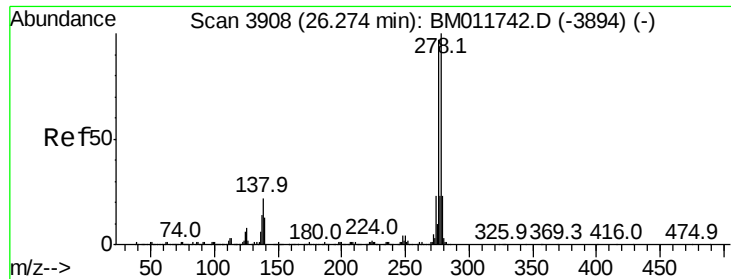


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.654 ng/ul

RT: 26.26 min Scan# 3906

Delta R.T. -0.01 min

Lab File: BM011749.D

Acq: 28 Sep 2017 06:47

Instrument :

BNA_M

ClientSampleId :

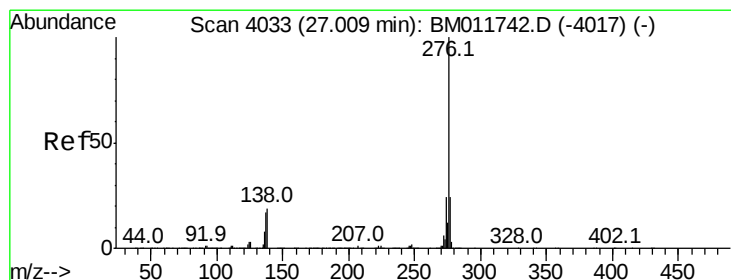
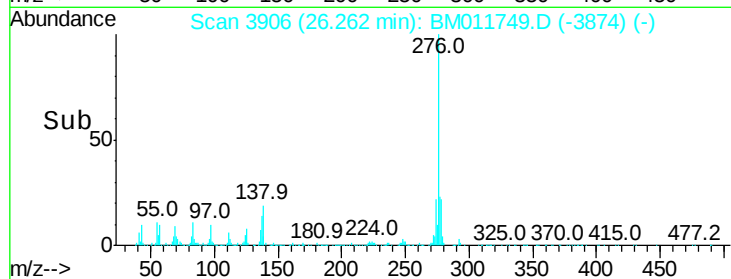
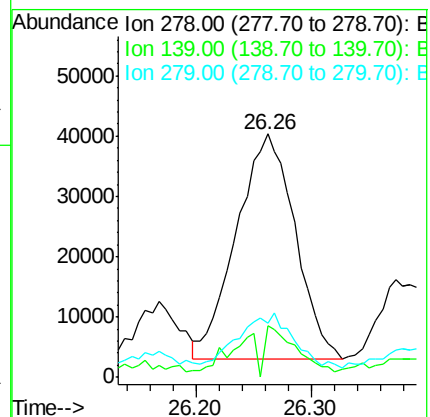
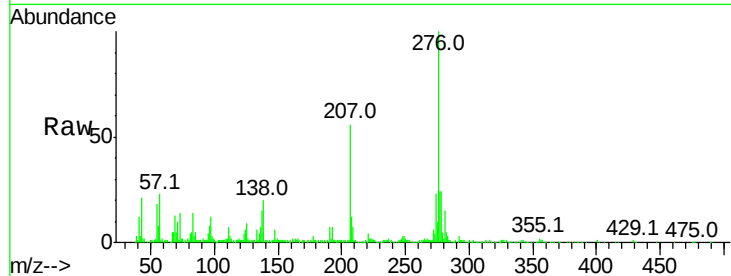
Tot Ion:278 Resp: 131756

Ion Ratio Lower Upper

278 100

139 21.3 5.8 8.8#

279 22.3 18.6 27.8



#91

Benzo(g,h,i)perylene

Concen: 9.202 ng/ul

RT: 27.00 min Scan# 4032

Delta R.T. -0.01 min

Lab File: BM011749.D

Acq: 28 Sep 2017 06:47

Tgt Ion:276 Resp: 452733

Ion Ratio Lower Upper

276 100

138 21.5 8.5 12.7#

277 26.6 18.6 28.0

