

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100417\
 Data File : BM011903.D
 Acq On : 04 Oct 2017 22:54
 Operator : SJ/JU
 Sample : I5414-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 05 07:17:08 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 05 07:08:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	322311	20.00	ng/ul	0.00
18) Naphthalene-d8	10.68	136	1435271	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	883221	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.26	188	2007313	20.00	ng/ul	0.00
75) Chrysene-d12	21.43	240	1643157	20.00	ng/ul	0.00
83) Perylene-d12	23.76	264	1545570	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	19246	2.82	ng/uL	0.00
5) Phenol-d5	7.03	99	485326	17.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.20	67	287179	17.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.40	132	428469	19.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.57	113	415689	17.34	ng/ul	0.00
19) Nitrobenzene-d5	9.04	128	203297	19.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.76	143	233612	20.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.30	165	465890	20.03	ng/ul	0.00
29) 4-Chloroaniline-d4	10.82	131	392359	15.45	ng/ul	0.00
43) Dimethylphthalate-d6	13.92	166	1497008	19.56	ng/ul	0.00
46) Acenaphthylene-d8	14.21	160	1843220	20.49	ng/ul	0.00
51) 4-Nitrophenol-d4	14.71	143	141040	10.55	ng/ul	0.00
57) Fluorene-d10	15.51	176	1325593	19.62	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.63	200	139891	10.36	ng/ul	0.00
70) Anthracene-d10	17.36	188	2073186	20.96	ng/ul	0.00
76) Pyrene-d10	19.65	212	2084920	28.13	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.61	264	1522254	20.47	ng/ul	0.00

Target Compounds

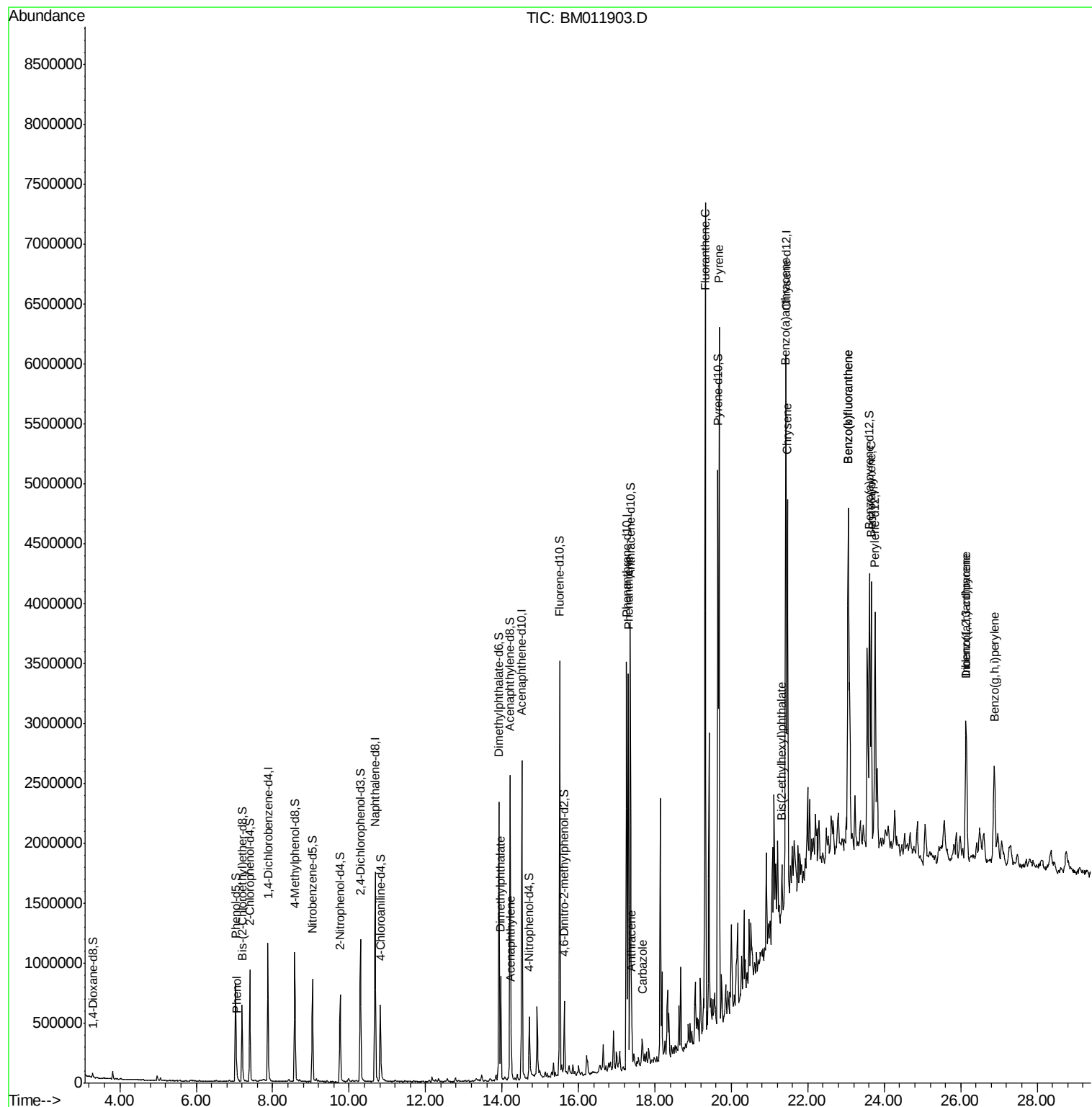
					Ovalue	
6) Phenol	7.06	94	33297	1.213	ng/ul#	83
44) Dimethylphthalate	13.97	163	541135	7.348	ng/ul	98
47) Acenaphthylene	14.24	152	232476	2.665	ng/ul	99
69) Phenanthrene	17.30	178	1938819	17.559	ng/ul	99
71) Anthracene	17.39	178	247838	2.206	ng/ul	97
72) Carbazole	17.66	167	132557	1.362	ng/ul	99
74) Fluoranthene	19.32	202	4013317	29.790	ng/ul#	91
77) Pyrene	19.68	202	3346042	36.726	ng/ul#	90
80) Benzo(a)anthracene	21.42	228	1392032	14.788	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.33	149	108738	2.048	ng/ul	100
82) Chrysene	21.47	228	1989362	22.243	ng/ul	96
85) Benzo(b)fluoranthene	23.06	252	2533434	26.967	ng/ul#	97
86) Benzo(k)fluoranthene	23.06	252	2533434	27.012	ng/ul#	95
88) Benzo(a)pyrene	23.66	252	1532209	16.974	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.14	276	1238423	12.820	ng/ul#	95
90) Dibenzo(a,h)anthracene	26.15	278	305216	3.845	ng/ul#	80
91) Benzo(g,h,i)perylene	26.88	276	1098225	13.744	ng/ul#	92

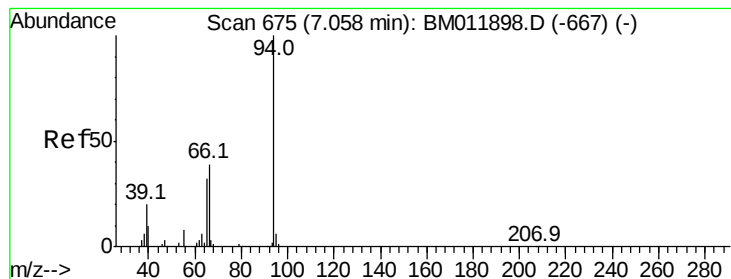
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 05 07:08:17 2017
Response via : Initial Calibration





#6

Phenol

Concen: 1.213 ng/ul

RT: 7.06 min Scan# 675

Delta R.T. -0.00 min

Lab File: BM011903.D

Acq: 04 Oct 2017 22:54

Instrument :

BNA_M

ClientSampleId :

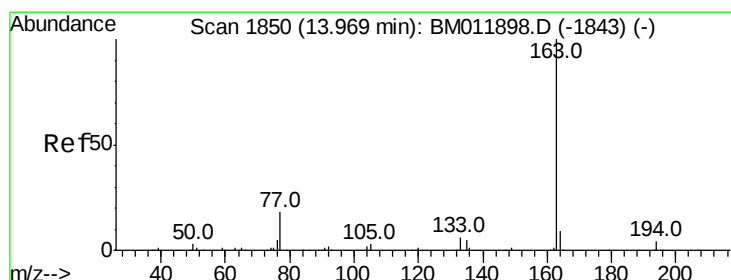
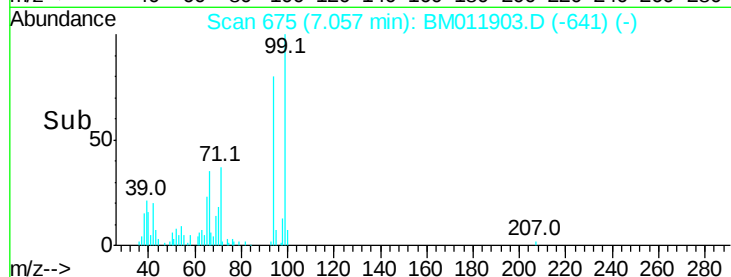
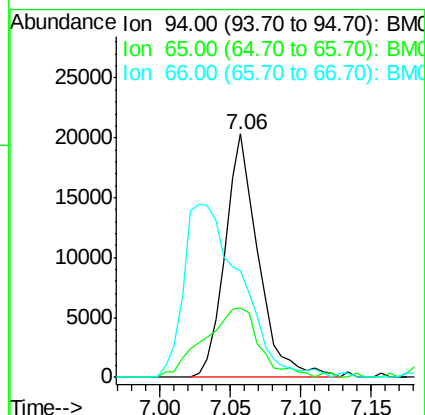
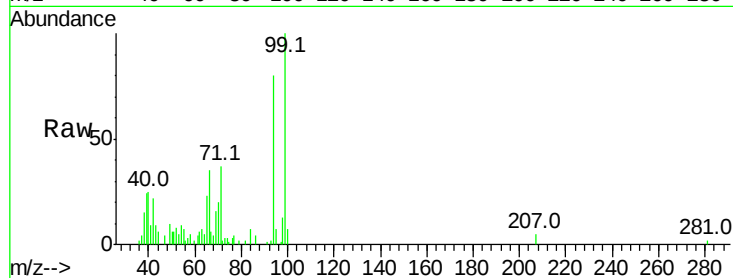
Tot Ion: 94 Resp: 33297

Ion Ratio Lower Upper

94 100

65 28.6 28.2 42.4

66 43.9 47.2 70.8#



#44

Dimethylphthalate

Concen: 7.348 ng/ul

RT: 13.97 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BM011903.D

Acq: 04 Oct 2017 22:54

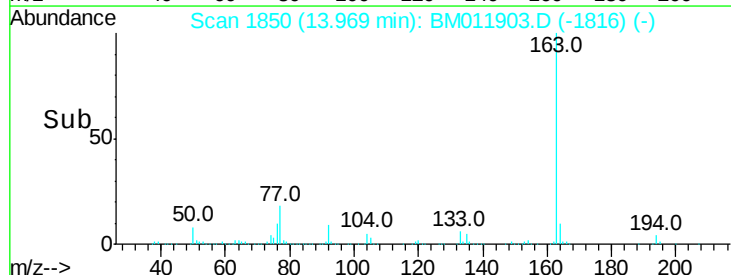
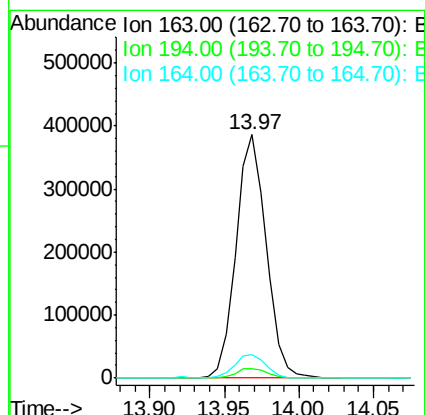
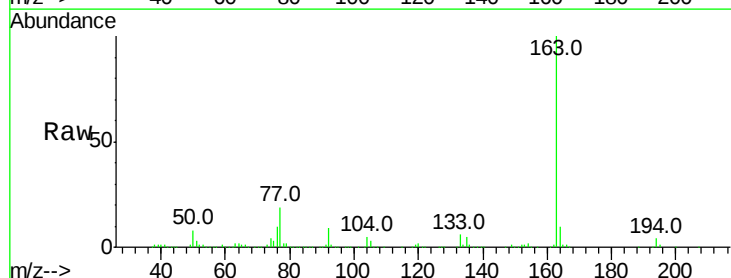
Tgt Ion: 163 Resp: 541135

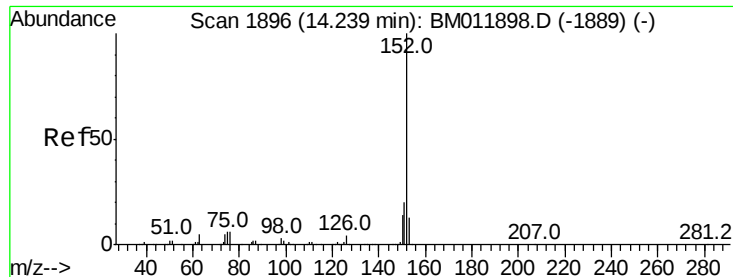
Ion Ratio Lower Upper

163 100

194 4.1 3.5 5.3

164 9.6 8.2 12.4





#47

Acenaphthylene

Concen: 2.665 ng/ul

RT: 14.24 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BM011903.D

Acq: 04 Oct 2017 22:54

Instrument :

BNA_M

ClientSampleId :

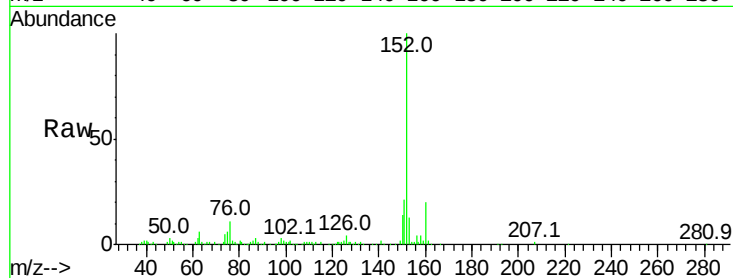
Tot Ion:152 Resp: 232476

Ion Ratio Lower Upper

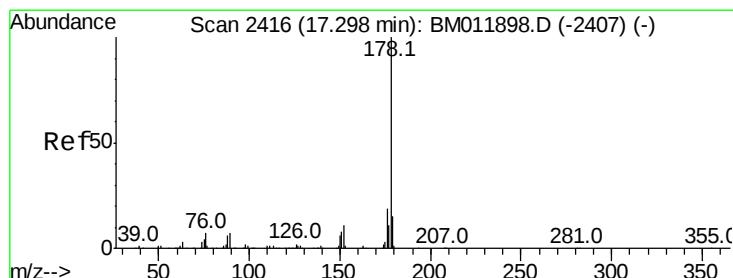
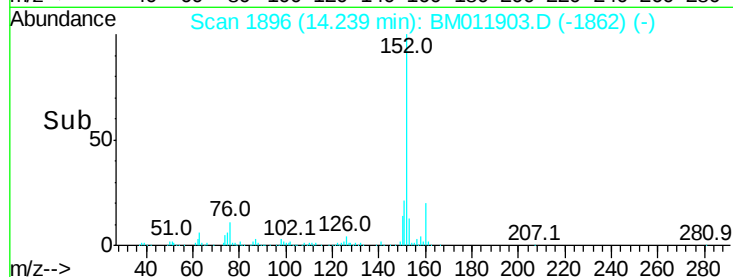
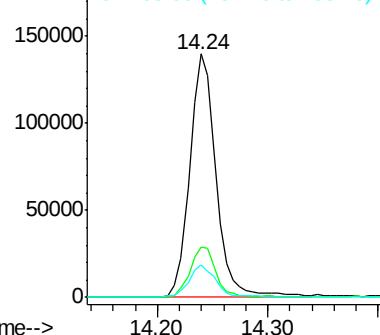
152 100

151 20.7 16.3 24.5

153 13.1 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



#69

Phenanthrene

Concen: 17.559 ng/ul

RT: 17.30 min Scan# 2417

Delta R.T. 0.01 min

Lab File: BM011903.D

Acq: 04 Oct 2017 22:54

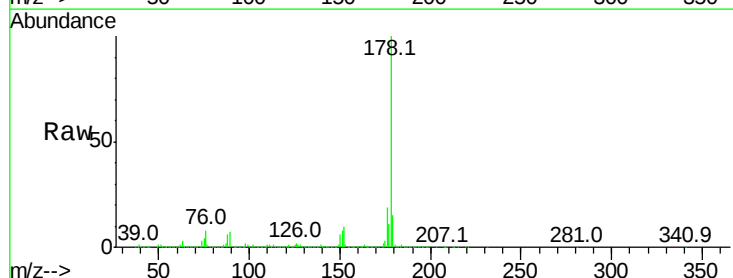
Tgt Ion:178 Resp: 1938819

Ion Ratio Lower Upper

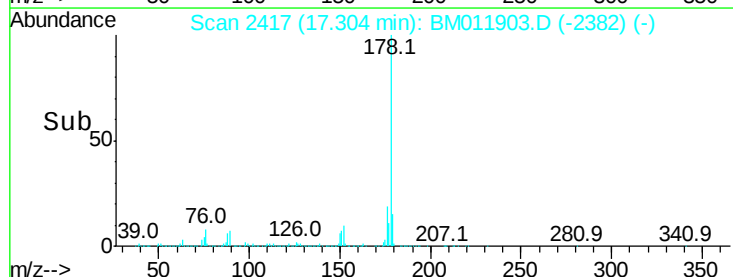
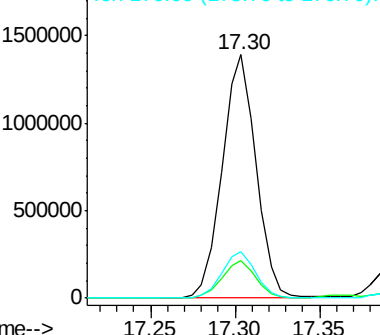
178 100

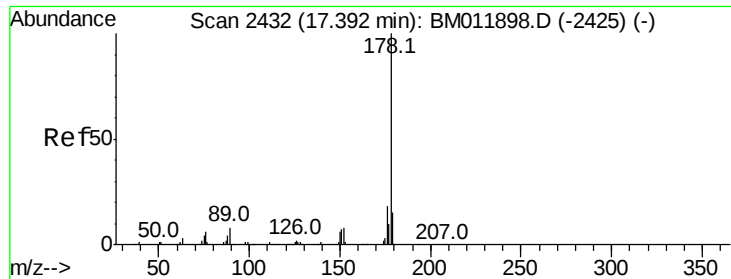
179 15.4 12.6 19.0

176 19.0 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

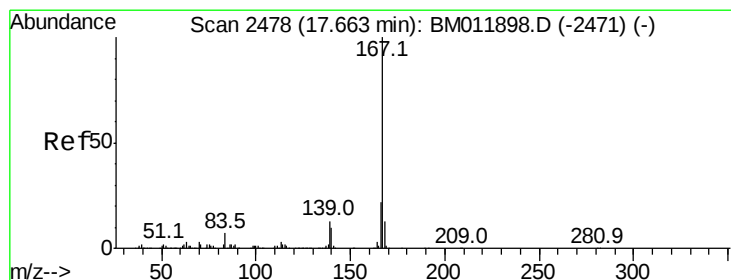
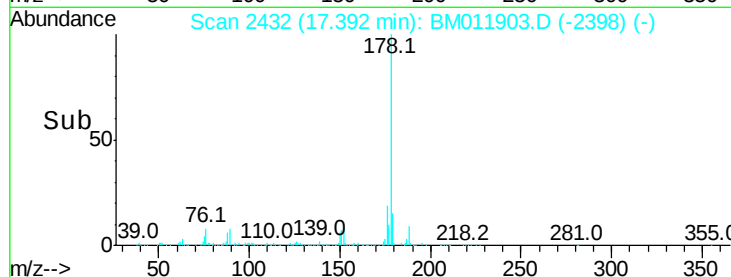
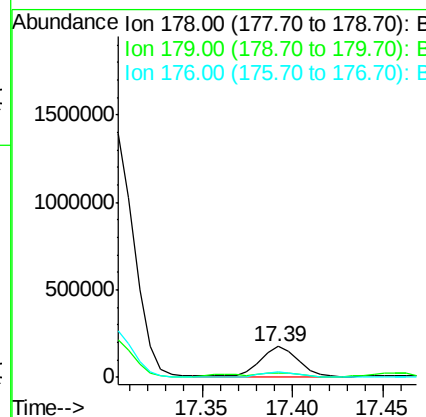
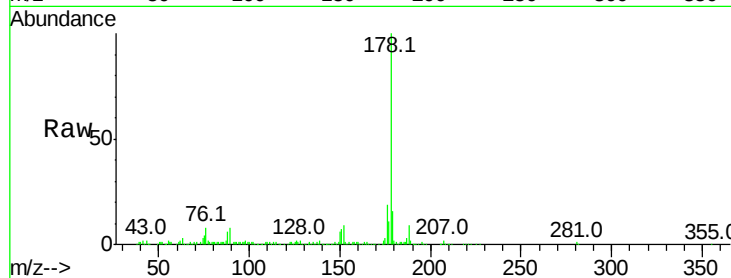




#71
 Anthracene
 Concen: 2.206 ng/ul
 RT: 17.39 min Scan# 2432
 Delta R.T. -0.00 min
 Lab File: BM011903.D
 Acq: 04 Oct 2017 22:54

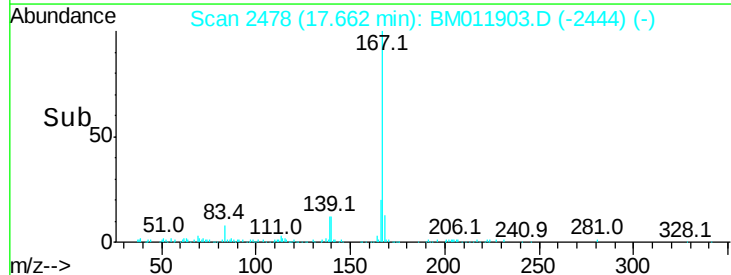
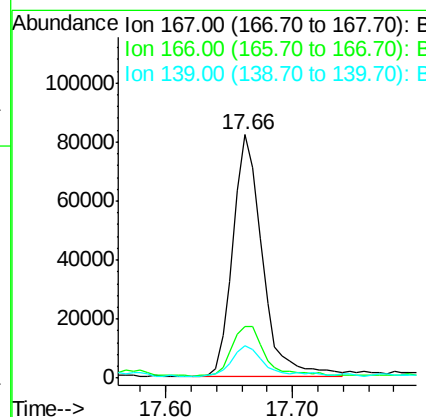
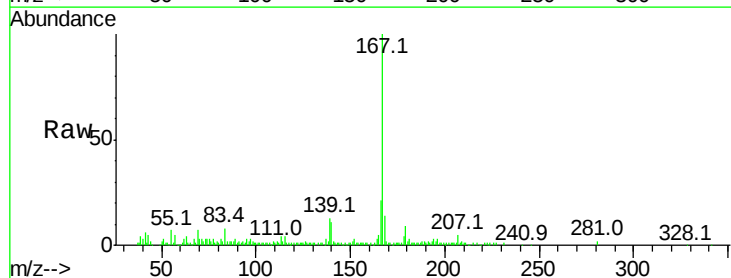
Instrument :
 BNA_M
 ClientSampleId :

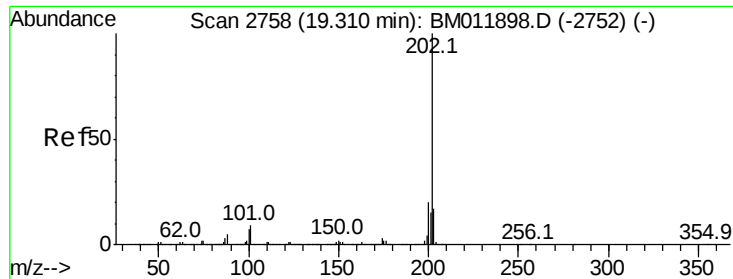
Tot Ion:178 Resp: 247838
 Ion Ratio Lower Upper
 178 100
 179 15.7 11.7 17.5
 176 19.3 14.6 21.8



#72
 Carbazole
 Concen: 1.362 ng/ul
 RT: 17.66 min Scan# 2478
 Delta R.T. -0.00 min
 Lab File: BM011903.D
 Acq: 04 Oct 2017 22:54

Tgt Ion:167 Resp: 132557
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.1 25.7
 139 13.3 10.0 15.0





#74

Fluoranthene

Concen: 29.790 ng/ul

RT: 19.32 min Scan# 2759

Delta R.T. 0.01 min

Lab File: BM011903.D

Acq: 04 Oct 2017 22:54

Instrument :

BNA_M

ClientSampleId :

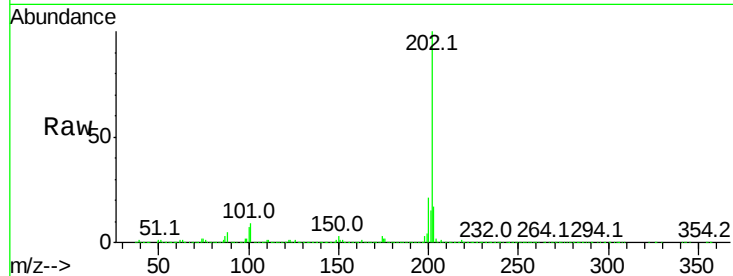
Tot Ion:202 Resp: 4013317

Ion Ratio Lower Upper

202 100

101 8.8 4.6 7.0#

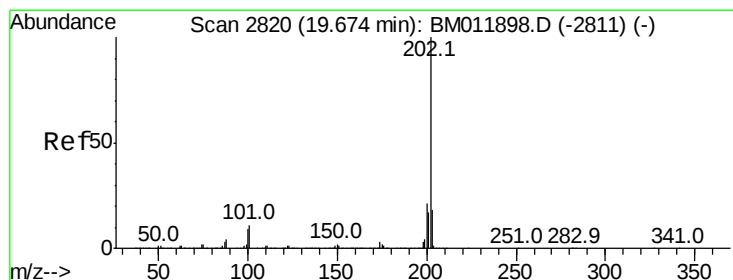
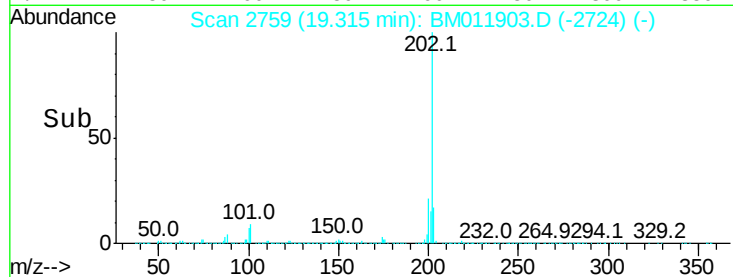
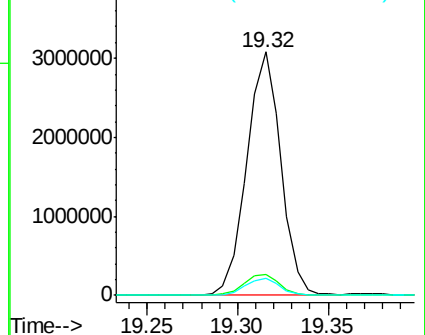
100 7.0 3.4 5.2#



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: 36.726 ng/ul

RT: 19.68 min Scan# 2821

Delta R.T. 0.01 min

Lab File: BM011903.D

Acq: 04 Oct 2017 22:54

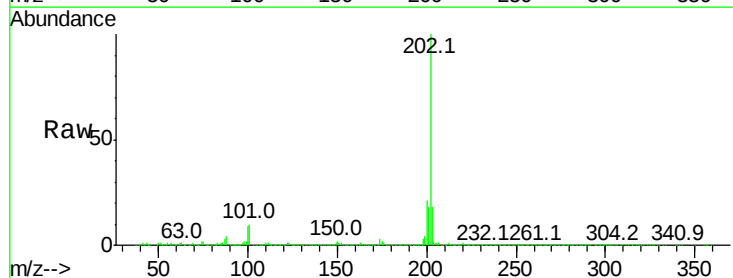
Tgt Ion:202 Resp: 3346042

Ion Ratio Lower Upper

202 100

101 10.2 5.1 7.7#

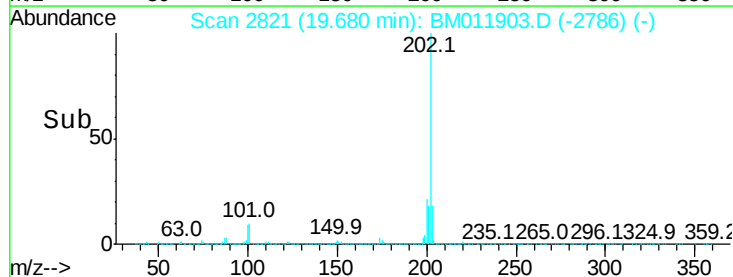
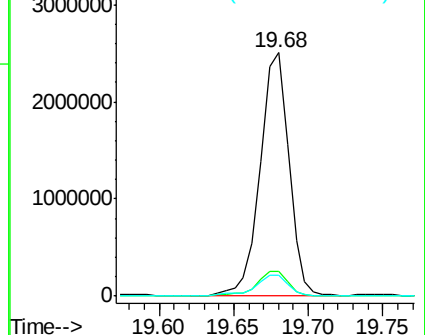
100 8.8 4.9 7.3#

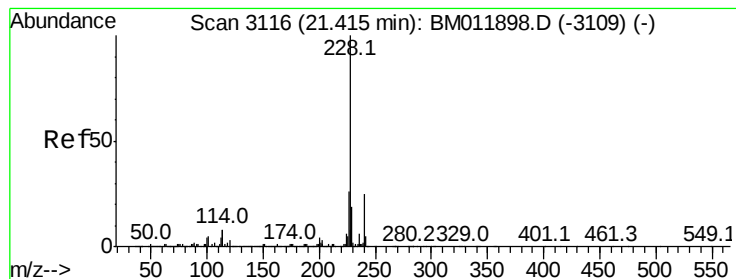


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 14.788 ng/ul

RT: 21.42 min Scan# 3116

Delta R.T. -0.00 min

Lab File: BM011903.D

Acq: 04 Oct 2017 22:54

Instrument :

BNA_M

ClientSampleId :

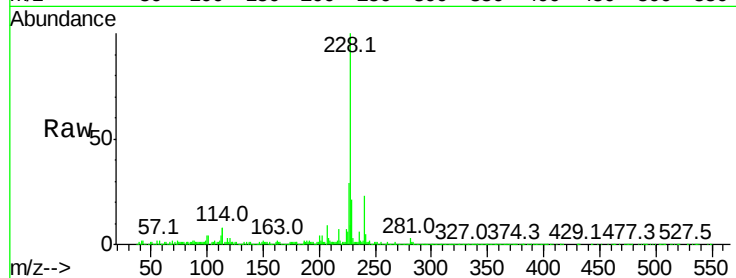
Tot Ion:228 Resp: 1392032

Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.4	23.0
226	28.7	21.4	32.0

228 100

229 21.4 15.4 23.0

226 28.7 21.4 32.0

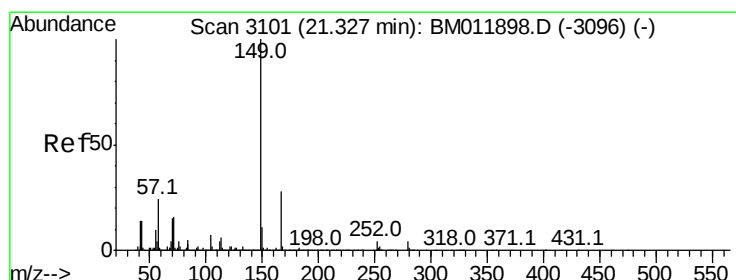
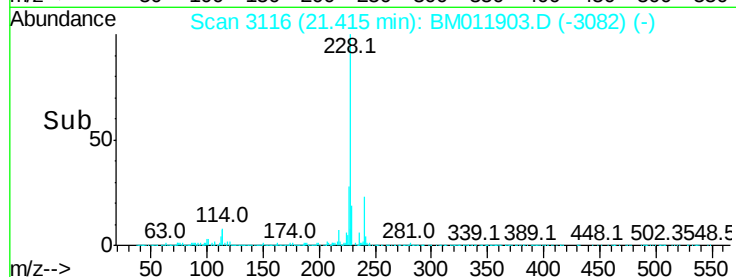
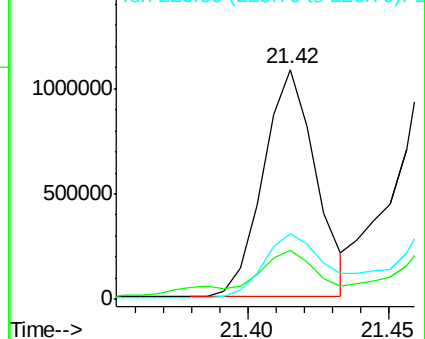


Abundance

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: 2.048 ng/ul

RT: 21.33 min Scan# 3101

Delta R.T. -0.00 min

Lab File: BM011903.D

Acq: 04 Oct 2017 22:54

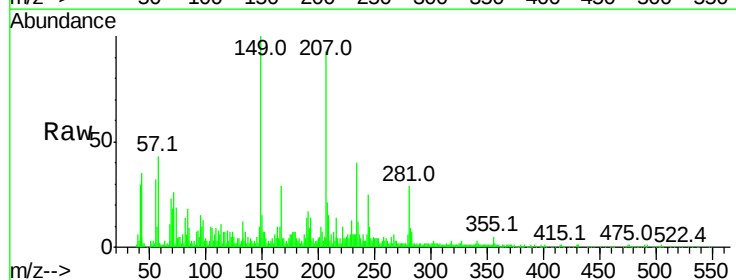
Tgt Ion:149 Resp: 108738

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.8	34.2
279	6.0	4.9	7.3

149 100

167 28.6 22.8 34.2

279 6.0 4.9 7.3

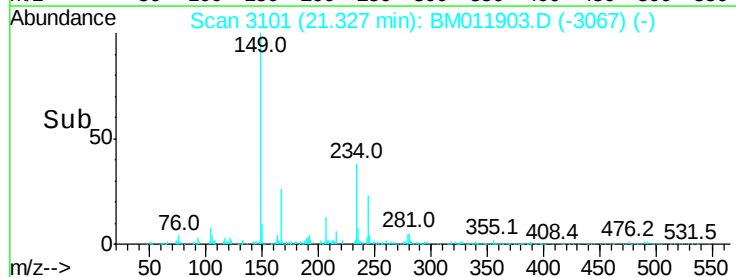
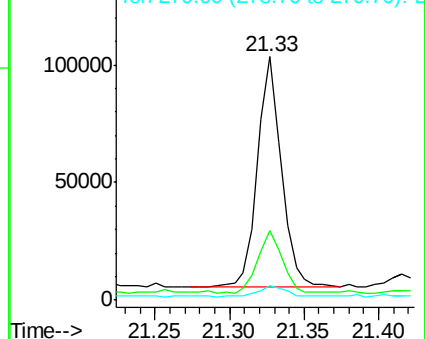


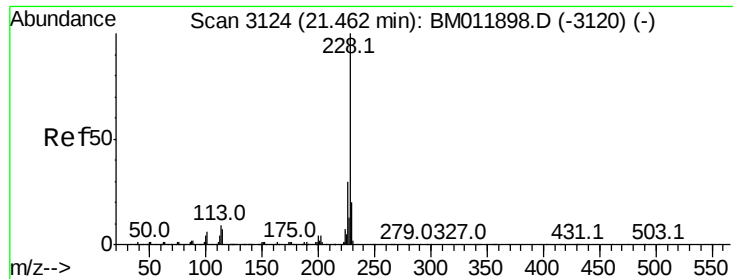
Abundance

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: 22.243 ng/ul

RT: 21.47 min Scan# 3125

Delta R.T. 0.01 min

Lab File: BM011903.D

Acq: 04 Oct 2017 22:54

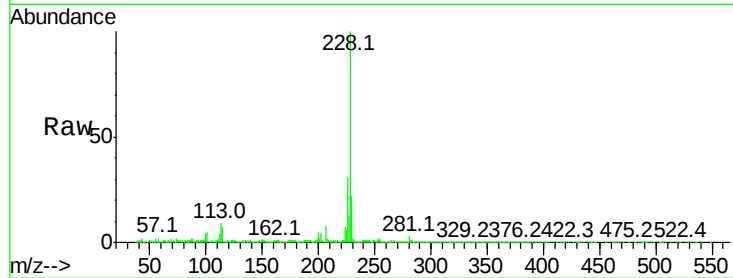
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1989362

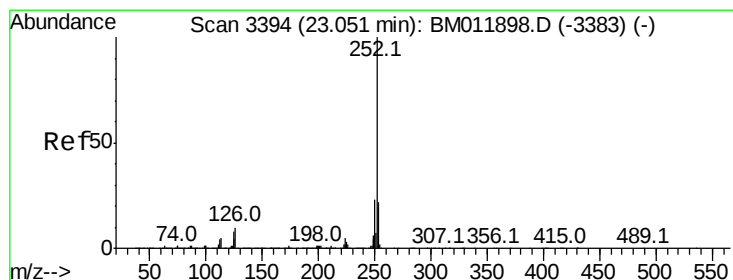
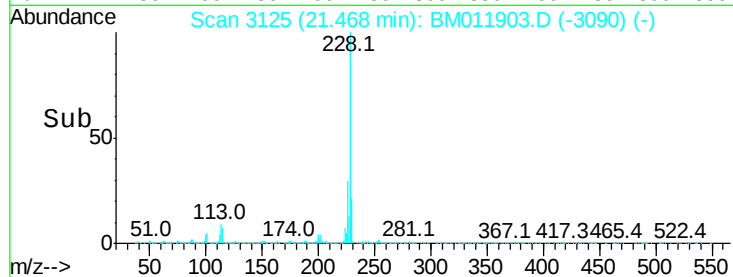
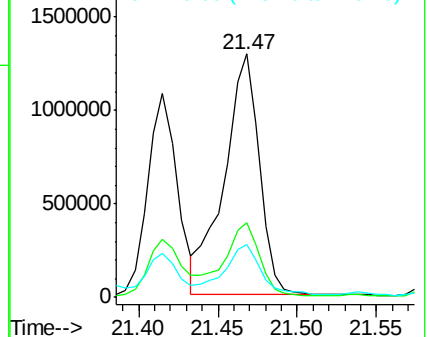
Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.4	35.2
229	21.7	15.5	23.3



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: 26.967 ng/ul

RT: 23.06 min Scan# 3395

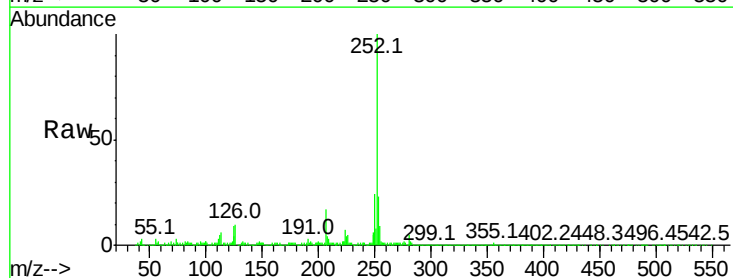
Delta R.T. 0.01 min

Lab File: BM011903.D

Acq: 04 Oct 2017 22:54

Tgt Ion:252 Resp: 2533434

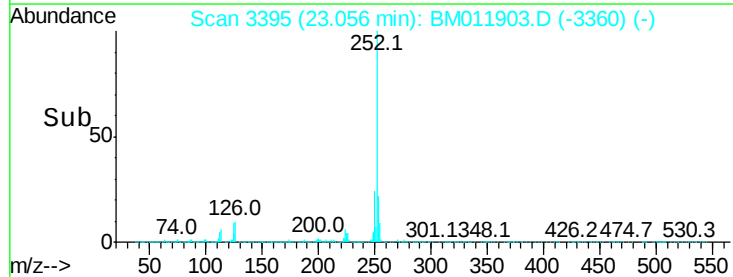
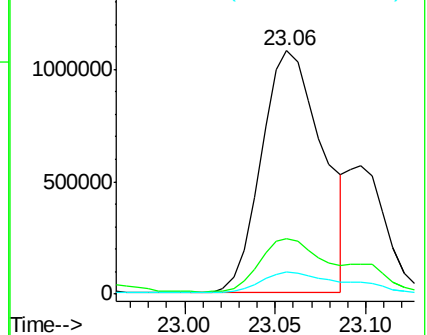
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	9.1	3.6	5.4

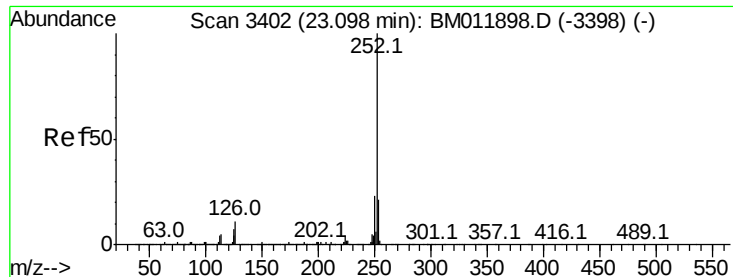


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 27.012 ng/ul

RT: 23.06 min Scan# 3395

Delta R.T. -0.04 min

Lab File: BM011903.D

Acq: 04 Oct 2017 22:54

Instrument :

BNA_M

ClientSampled :

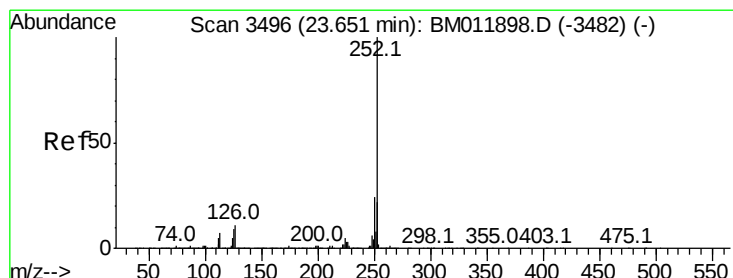
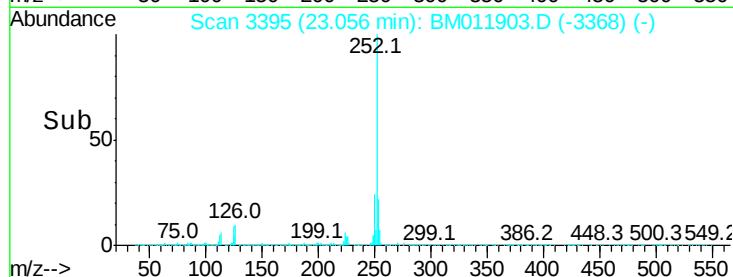
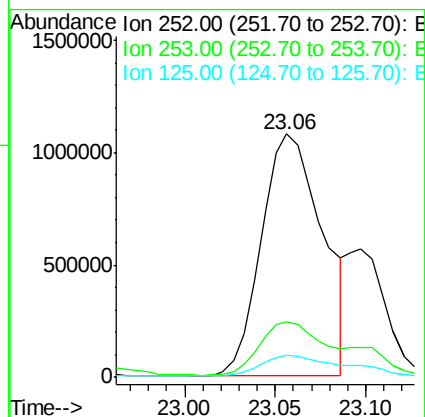
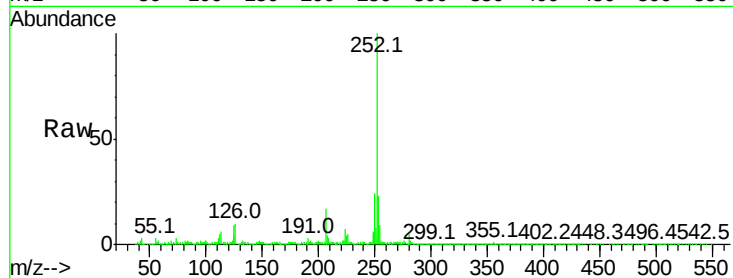
Tot Ion:252 Resp: 2533434

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

125 9.1 3.4 5.2#



#88

Benzo(a)pyrene

Concen: 16.974 ng/ul

RT: 23.66 min Scan# 3498

Delta R.T. 0.01 min

Lab File: BM011903.D

Acq: 04 Oct 2017 22:54

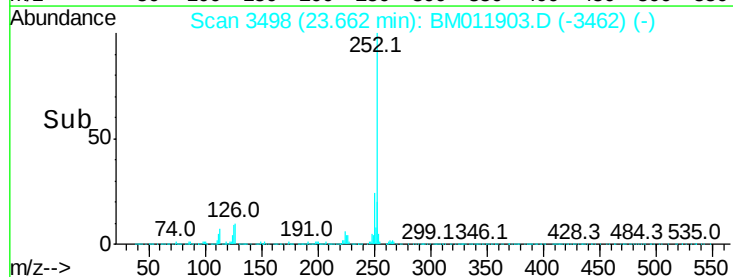
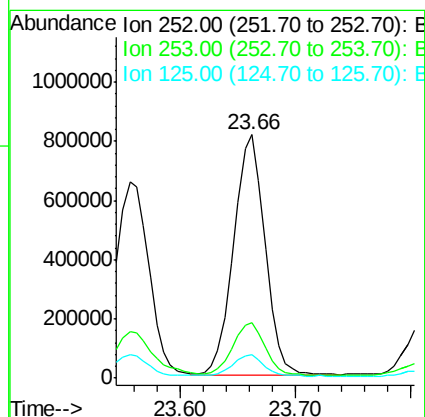
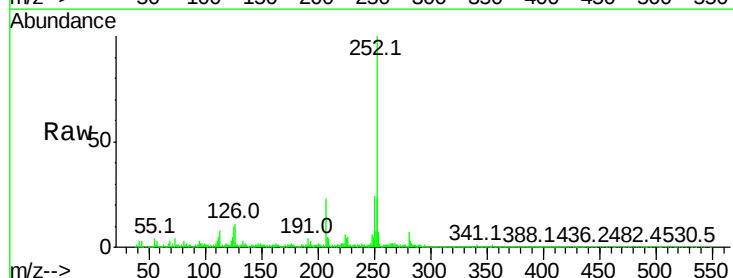
Tgt Ion:252 Resp: 1532209

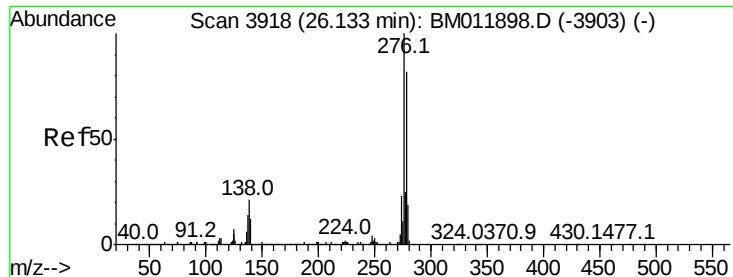
Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

125 9.6 4.0 6.0#

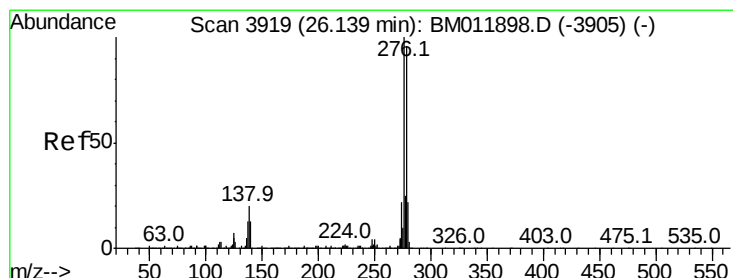
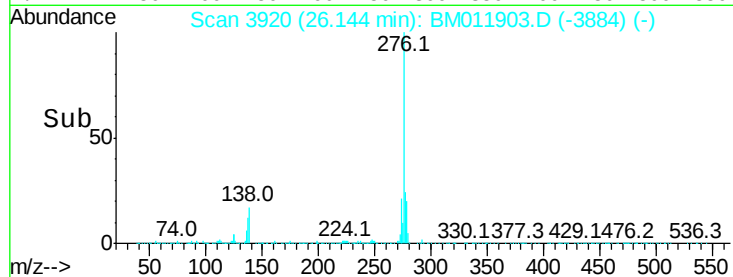
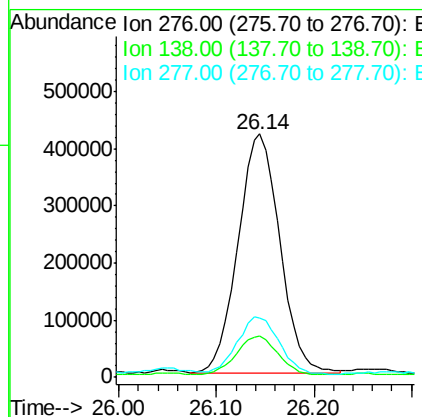
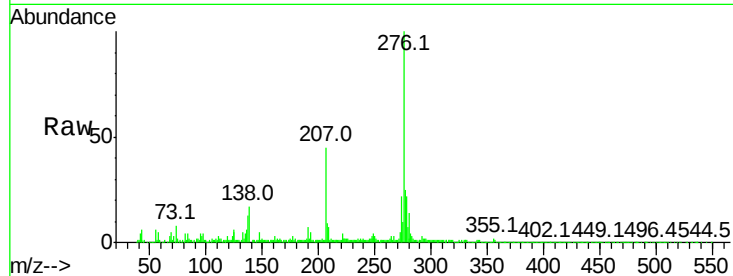




#89
Indeno(1,2,3-cd)pyrene
Concen: 12.820 ng/ul
RT: 26.14 min Scan# 3920
Delta R.T. 0.01 min
Lab File: BM011903.D
Acq: 04 Oct 2017 22:54

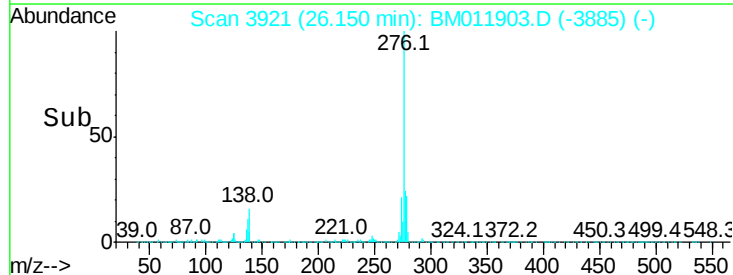
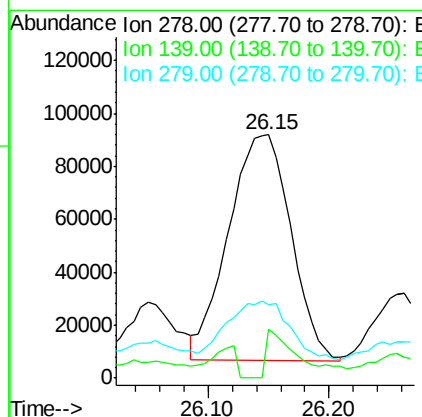
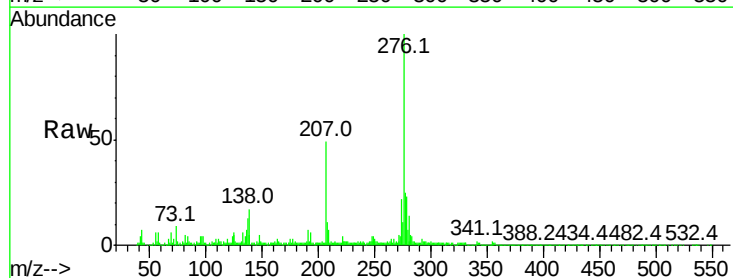
Instrument :
BNA_M
ClientSampled :

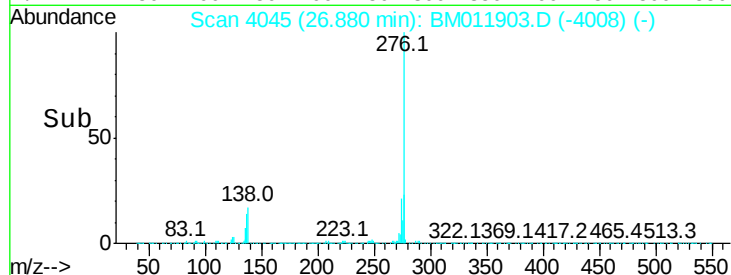
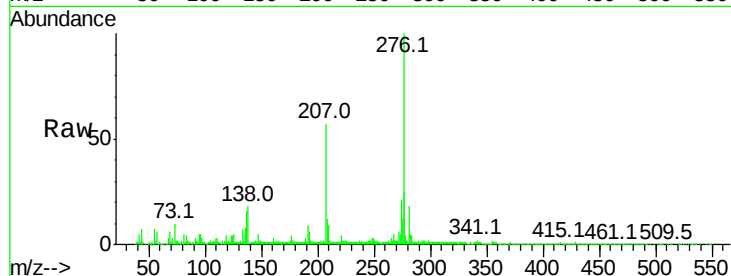
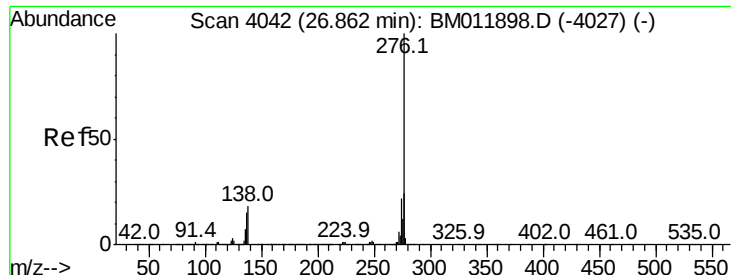
Tot Ion:276 Resp: 1238423
Ion Ratio Lower Upper
276 100
138 17.1 9.3 13.9#
277 24.6 19.9 29.9



#90
Dibenzo(a,h)anthracene
Concen: 3.845 ng/ul
RT: 26.15 min Scan# 3921
Delta R.T. 0.01 min
Lab File: BM011903.D
Acq: 04 Oct 2017 22:54

Tgt Ion:278 Resp: 305216
Ion Ratio Lower Upper
278 100
139 20.1 5.8 8.8#
279 30.1 18.6 27.8#





#91

Benzo(a,h,i)perylene

Concen: 13.744 ng/ul

RT: 26.88 min Scan# 4045

Delta R.T. 0.02 min

Lab File: BM011903.D

Acq: 04 Oct 2017 22:54

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 1098225

Ion Ratio Lower Upper

276 100

138 17.7 8.5 12.7#

277 24.6 18.6 28.0

