

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
 Data File : BM012923.D
 Acq On : 12 Nov 2017 03:41
 Operator : SJ/JU
 Sample : I6319-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 13 02:11:59 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 13 02:06:47 2017
 Response via : Initial Calibration

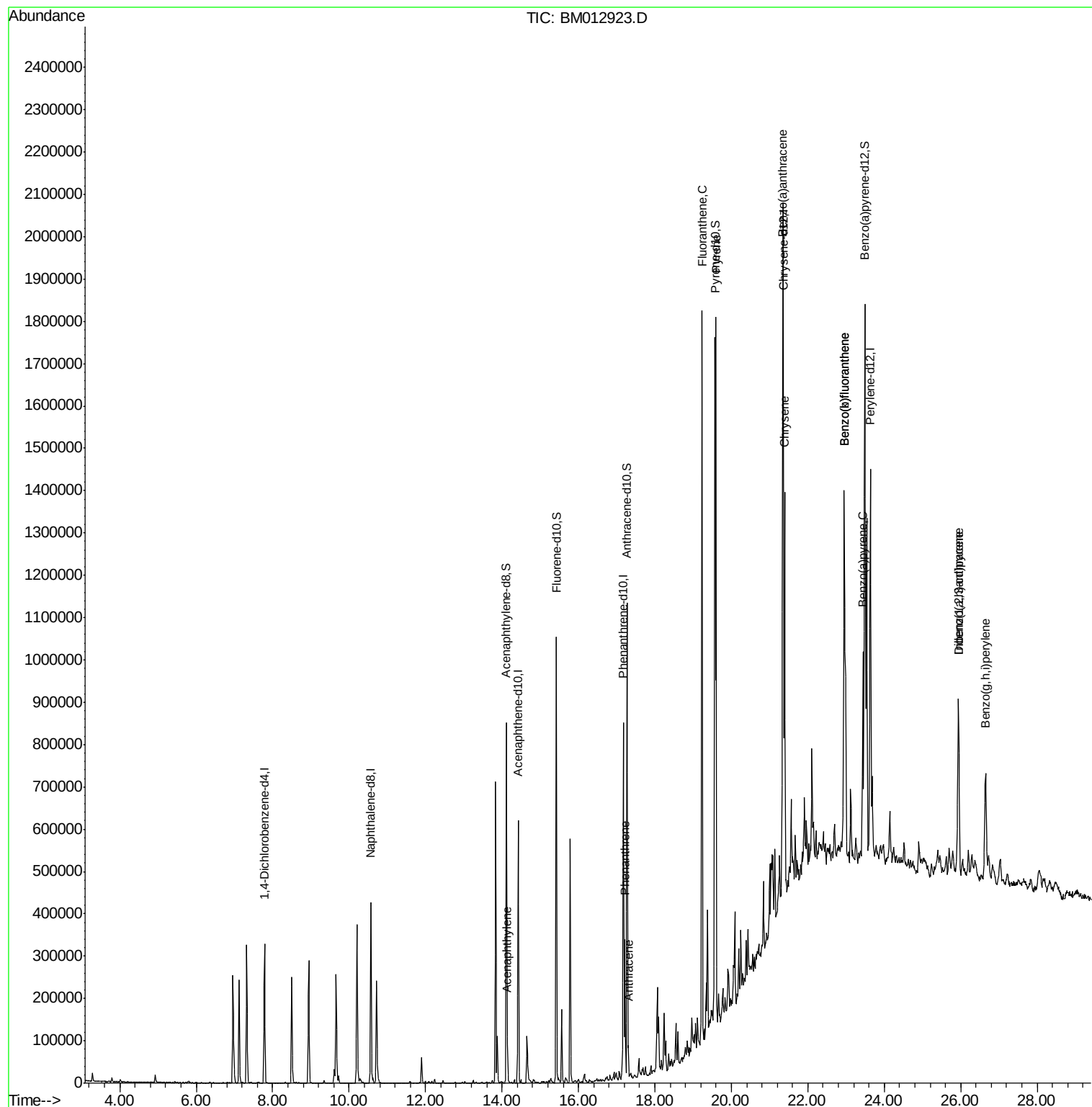
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	95636	20.00	ng/ul	0.00
2) Naphthalene-d8	10.57	136	364861	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.42	164	210543	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.17	188	485663	20.00	ng/ul	0.00
17) Chrysene-d12	21.36	240	598409	20.00	ng/ul	0.00
22) Perylene-d12	23.63	264	691854	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.12	160	605074	27.63	ng/ul	0.00
10) Fluorene-d10	15.42	176	421730	28.16	ng/ul	0.00
14) Anthracene-d10	17.27	188	664819	28.32	ng/ul	0.00
18) Pyrene-d10	19.57	212	753626	28.15	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.49	264	942897	28.87	ng/ul	0.01
Target Compounds						
8) Acenaphthylene	14.14	152	57314	2.69	ng/ul	Ovalue 98
13) Phenanthrene	17.22	178	204791	7.63	ng/ul	99
15) Anthracene	17.30	178	45072	1.62	ng/ul	98
16) Fluoranthene	19.23	202	1020556	30.93	ng/ul#	92
19) Pyrene	19.60	202	973432	28.34	ng/ul#	92
20) Benzo(a)anthracene	21.34	228	557911	15.15	ng/ul	97
21) Chrysene	21.39	228	502328	15.27	ng/ul	98
23) Benzo(b)fluoranthene	22.95	252	1050771	25.54	ng/ul#	98
24) Benzo(k)fluoranthene	22.95	252	1045259	26.58	ng/ul#	98
26) Benzo(a)pyrene	23.44	252	373806	9.37	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.94	276	419405	8.15	ng/ul#	94
28) Dibenzo(a,h)anthracene	25.94	278	101464	2.35	ng/ul	94
29) Benzo(a,h,i)perylene	26.65	276	334079	7.78	ng/ul#	93

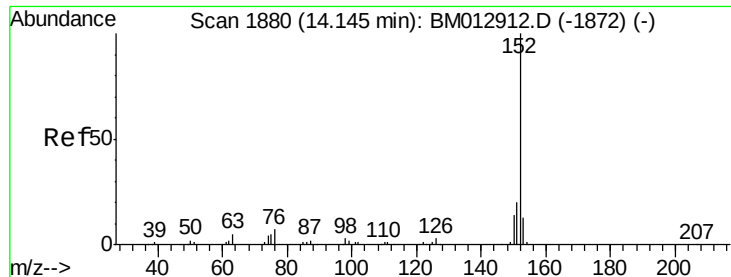
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 2.69 ng/ul

RT: 14.14 min Scan# 1880

Delta R.T. -0.00 min

Lab File: BM012923.D

Acq: 12 Nov 2017 03:41

Instrument :

BNA_M

ClientSampled :

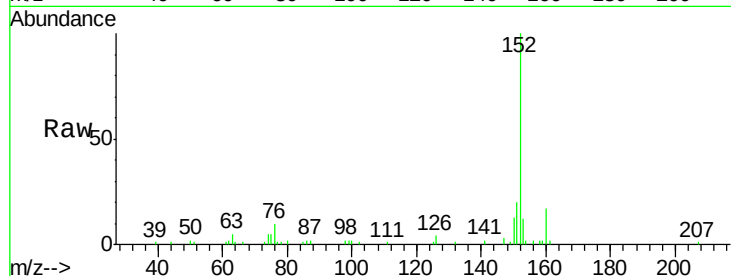
Tot Ion:152 Resp: 57314

Ion Ratio Lower Upper

152 100

151 20.0 16.7 25.1

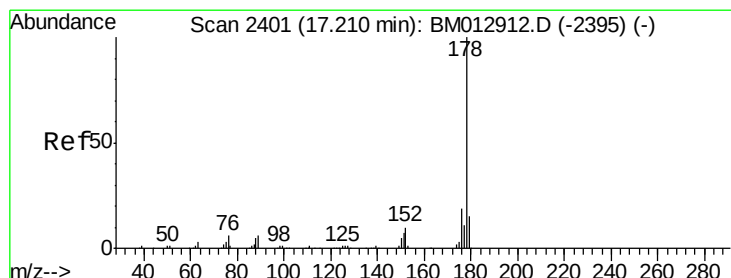
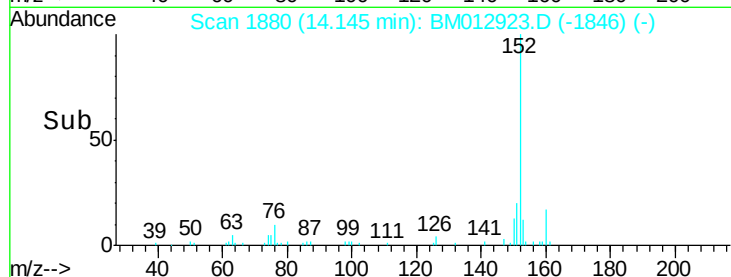
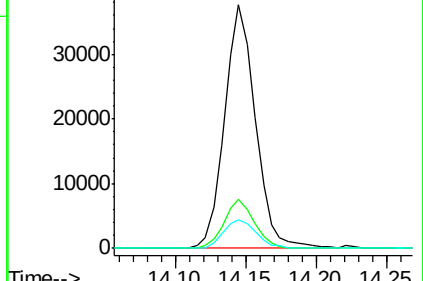
153 11.9 10.2 15.4



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



#13

Phenanthrene

Concen: 7.63 ng/ul

RT: 17.22 min Scan# 2402

Delta R.T. 0.01 min

Lab File: BM012923.D

Acq: 12 Nov 2017 03:41

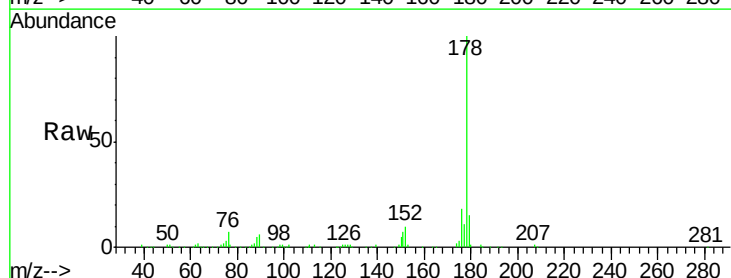
Tgt Ion:178 Resp: 204791

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

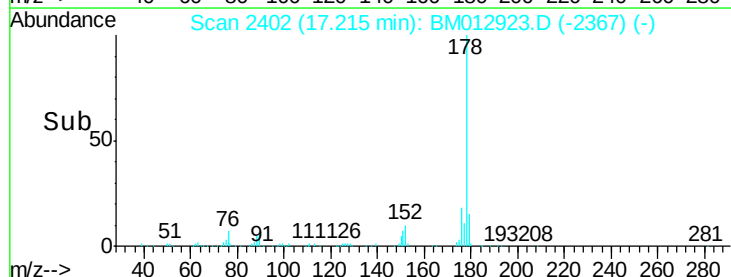
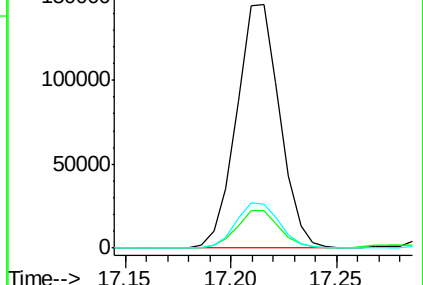
176 18.0 15.1 22.7

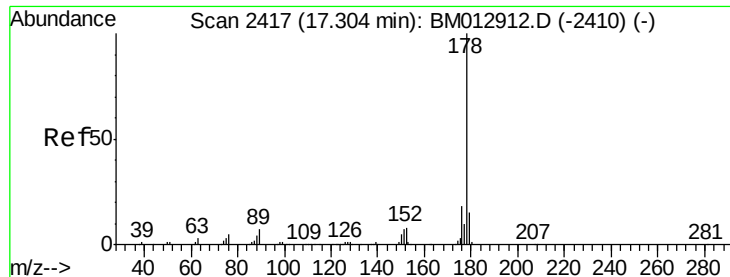


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

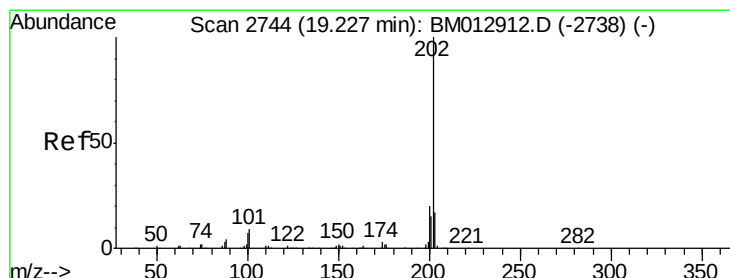
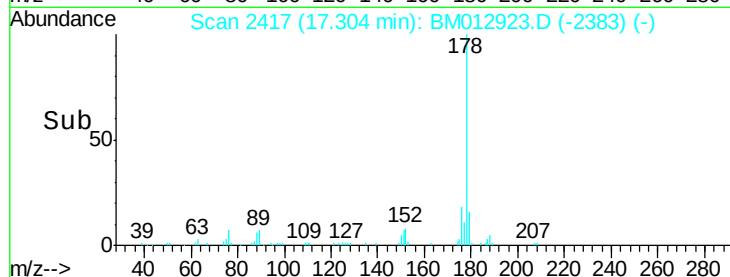
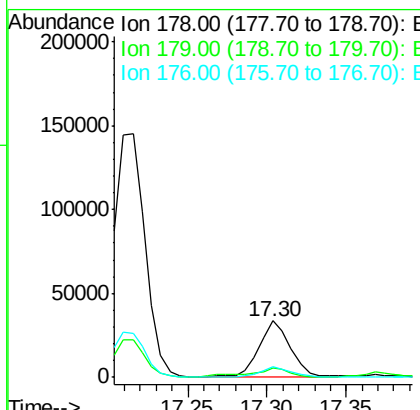
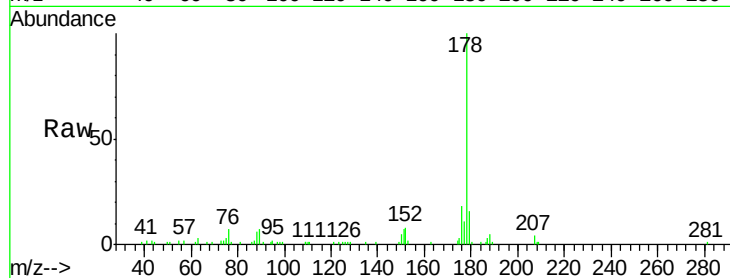




#15
 Anthracene
 Concen: 1.62 ng/ul
 RT: 17.30 min Scan# 2417
 Delta R.T. -0.00 min
 Lab File: BM012923.D
 Acq: 12 Nov 2017 03:41

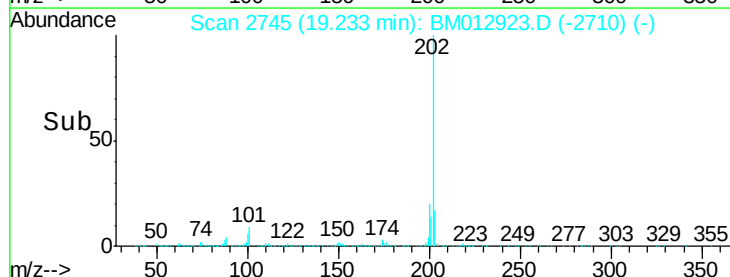
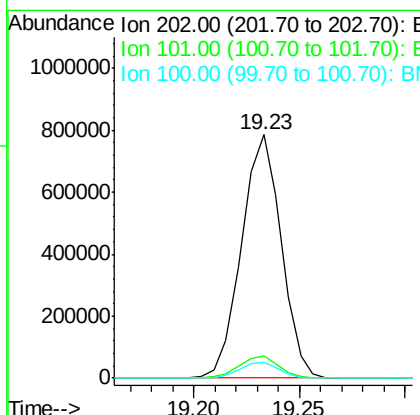
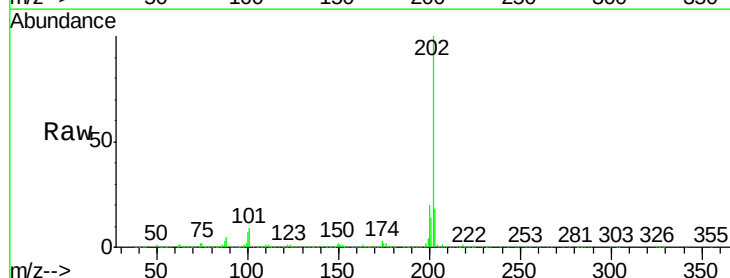
Instrument :
 BNA_M
 ClientSampleId :

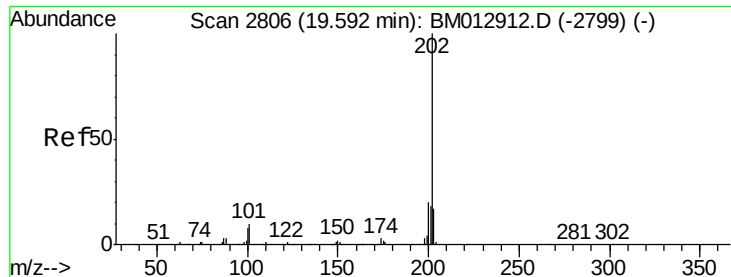
Tot Ion:178 Resp: 45072
 Ion Ratio Lower Upper
 178 100
 179 15.6 11.8 17.8
 176 17.8 15.2 22.8



#16
 Fluoranthene
 Concen: 30.93 ng/ul
 RT: 19.23 min Scan# 2745
 Delta R.T. 0.01 min
 Lab File: BM012923.D
 Acq: 12 Nov 2017 03:41

Tgt Ion:202 Resp: 1020556
 Ion Ratio Lower Upper
 202 100
 101 8.9 9.9 14.9#
 100 6.5 7.4 11.0#

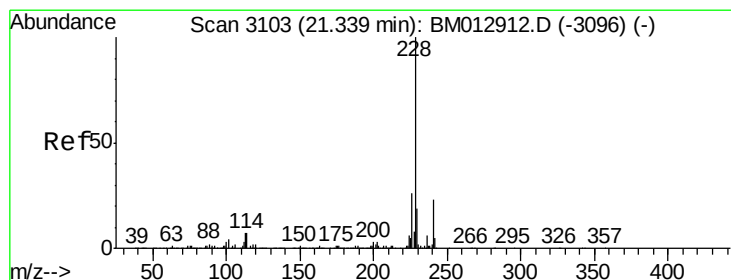
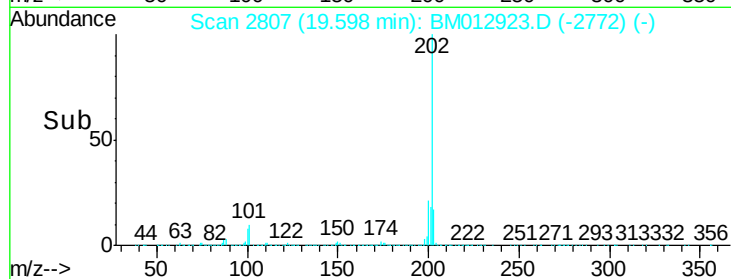
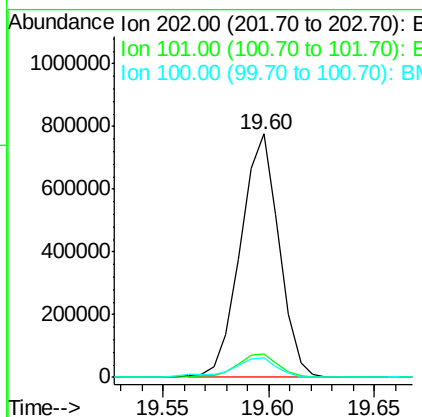
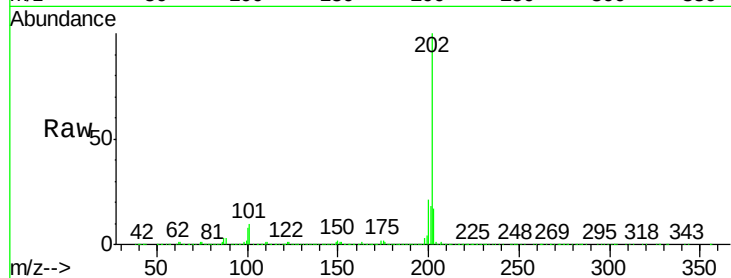




#19
 Pvrene
 Concen: 28.34 ng/ul
 RT: 19.60 min Scan# 2807
 Delta R.T. 0.01 min
 Lab File: BM012923.D
 Acq: 12 Nov 2017 03:41

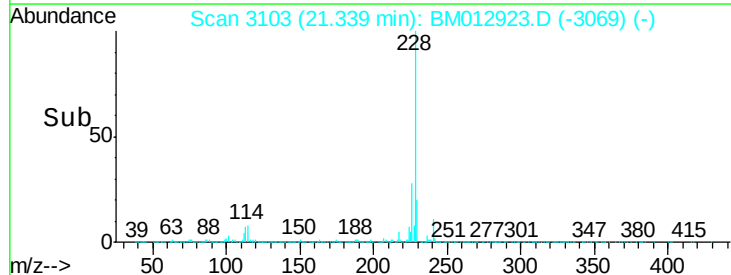
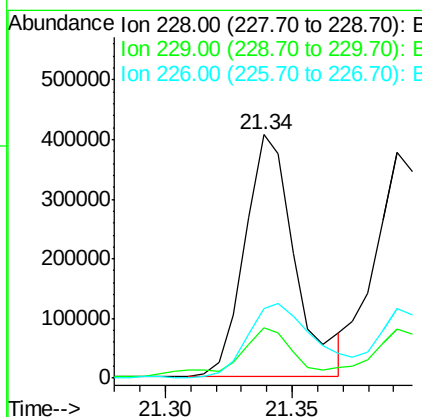
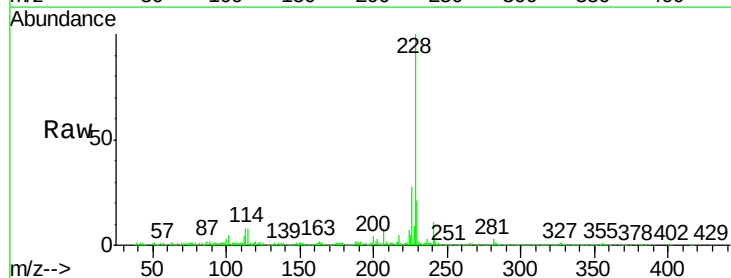
Instrument :
 BNA_M
 ClientSampled :

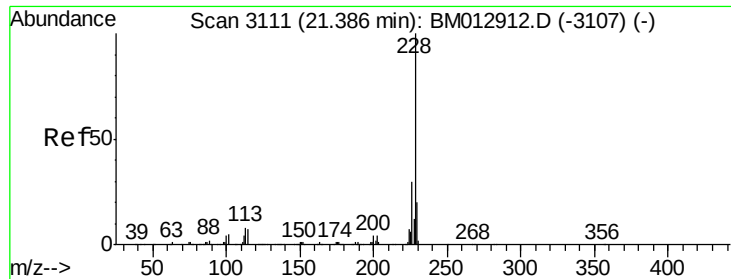
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.6	11.0	16.4#
100	8.1	8.1	12.1



#20
 Benzo(a)anthracene
 Concen: 15.15 ng/ul
 RT: 21.34 min Scan# 3103
 Delta R.T. -0.00 min
 Lab File: BM012923.D
 Acq: 12 Nov 2017 03:41

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.7	23.5
226	28.3	21.1	31.7





#21

Chrysene

Concen: 15.27 ng/ul

RT: 21.39 min Scan# 3112

Delta R.T. 0.01 min

Lab File: BM012923.D

Acq: 12 Nov 2017 03:41

Instrument :

BNA_M

ClientSampled :

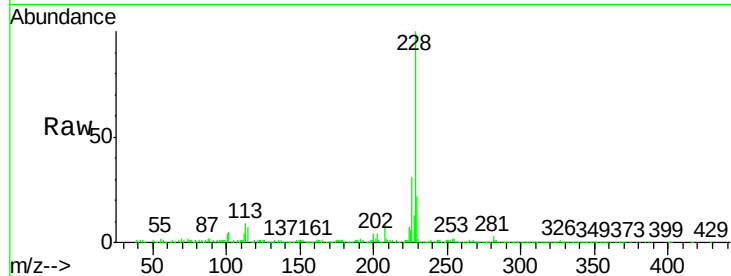
Tot Ion:228 Resp: 502328

Ion Ratio Lower Upper

228 100

226 30.6 24.5 36.7

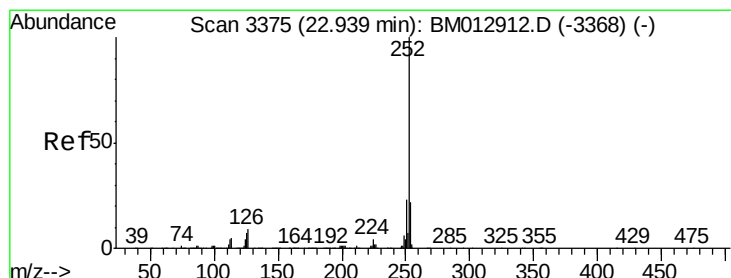
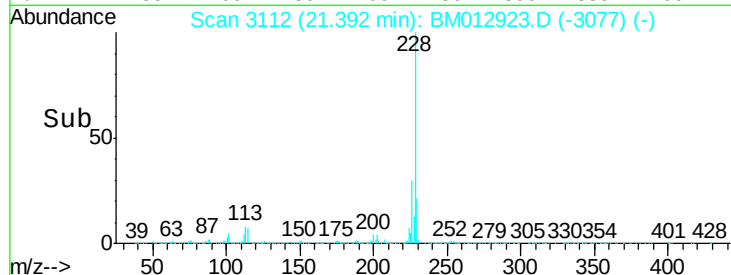
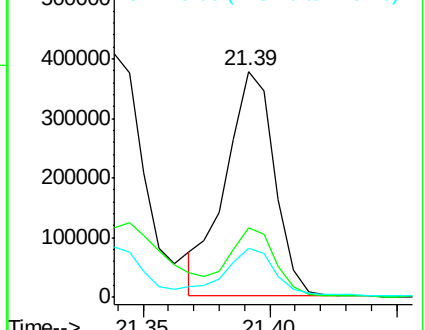
229 21.7 15.8 23.8



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



#23

Benzo(b)fluoranthene

Concen: 25.54 ng/ul

RT: 22.95 min Scan# 3377

Delta R.T. 0.01 min

Lab File: BM012923.D

Acq: 12 Nov 2017 03:41

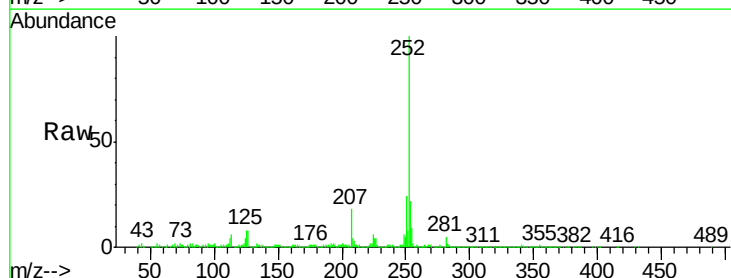
Tgt Ion:252 Resp: 1050771

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

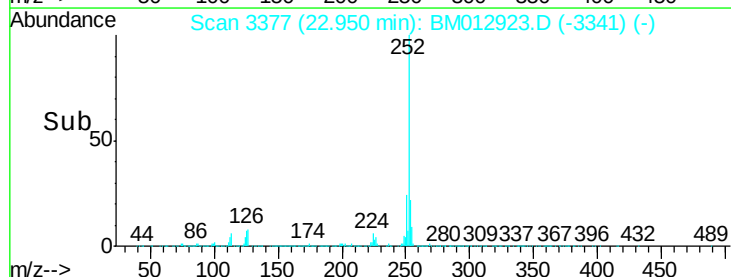
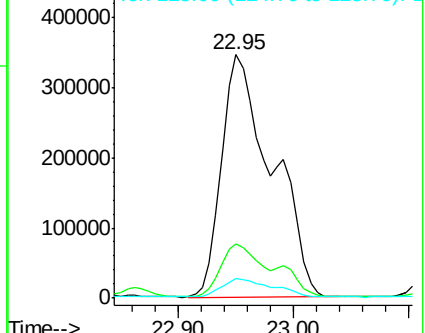
125 7.8 8.0 12.0#

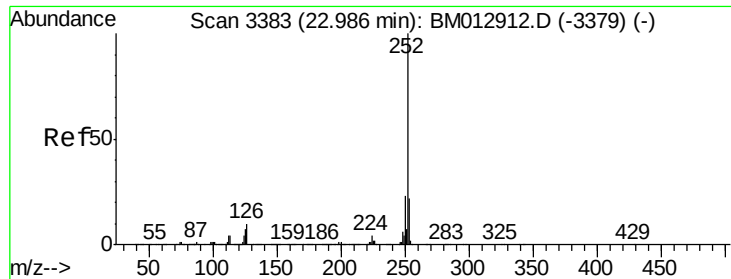


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

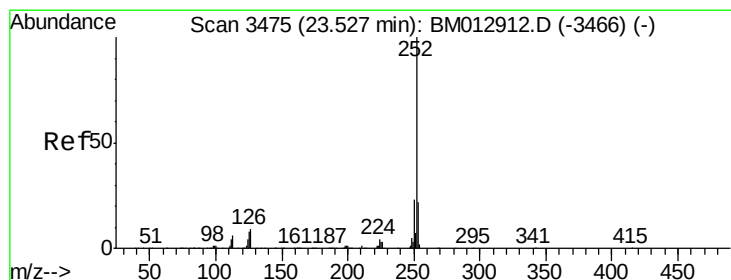
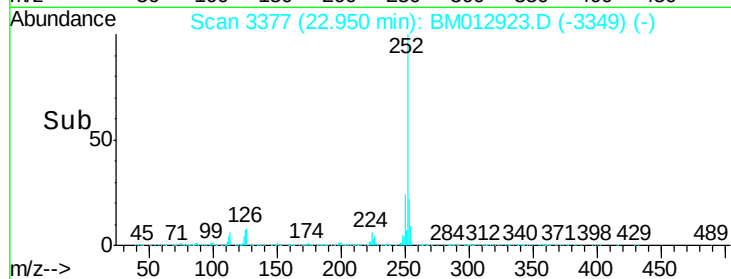
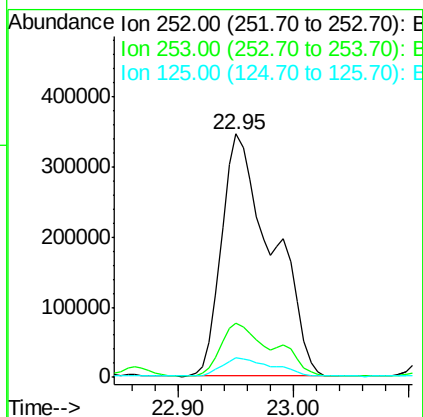
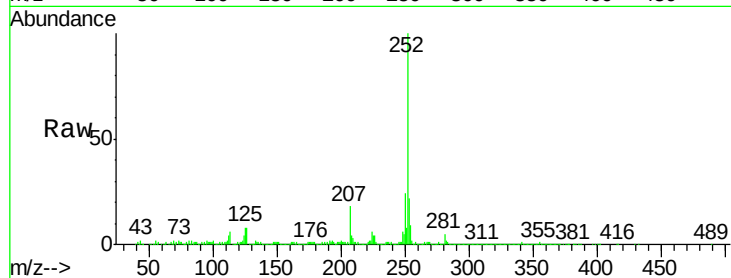




#24
Benzo(k)fluoranthene
Concen: 26.58 ng/ul
RT: 22.95 min Scan# 3377
Delta R.T. -0.04 min
Lab File: BM012923.D
Acq: 12 Nov 2017 03:41

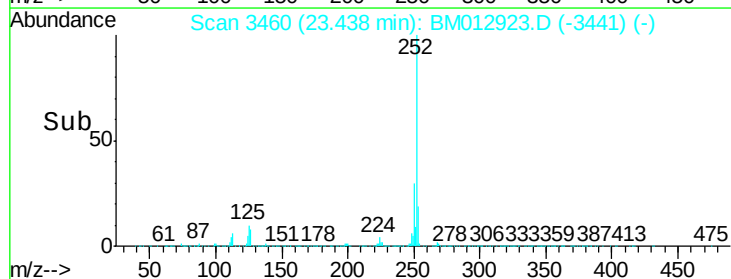
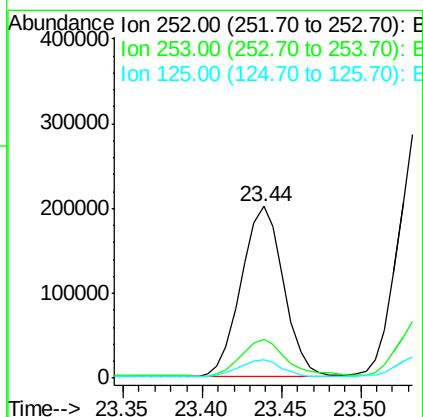
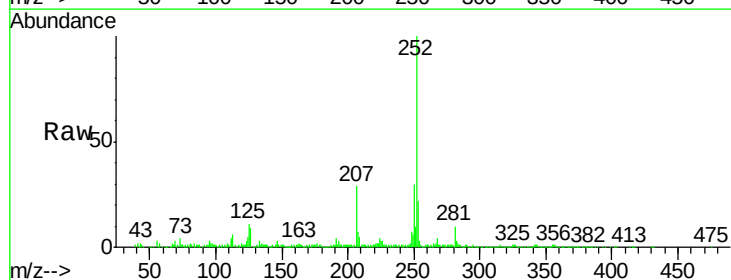
Instrument :
BNA_M
ClientSampleId :

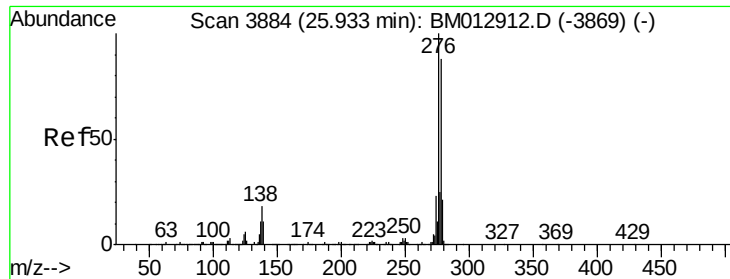
Tot Ion:252 Resp: 1045259
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 7.8 8.1 12.1#



#26
Benzo(a)pyrene
Concen: 9.37 ng/ul
RT: 23.44 min Scan# 3460
Delta R.T. -0.09 min
Lab File: BM012923.D
Acq: 12 Nov 2017 03:41

Tgt Ion:252 Resp: 373806
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 10.6 8.2 12.4

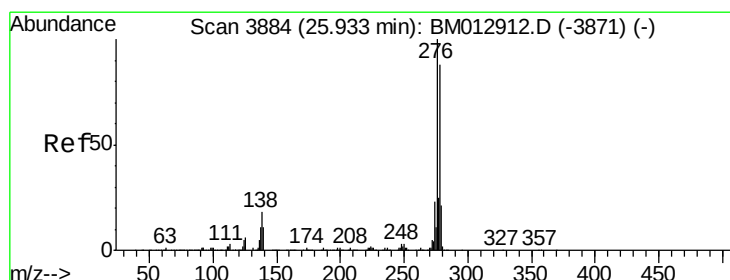
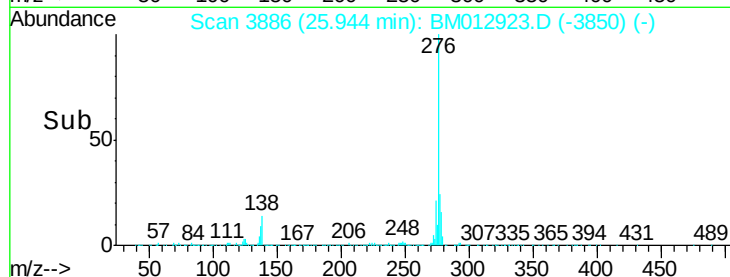
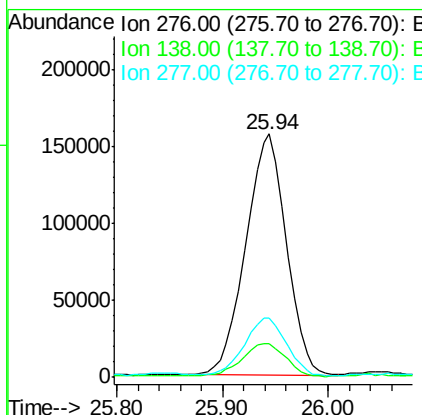
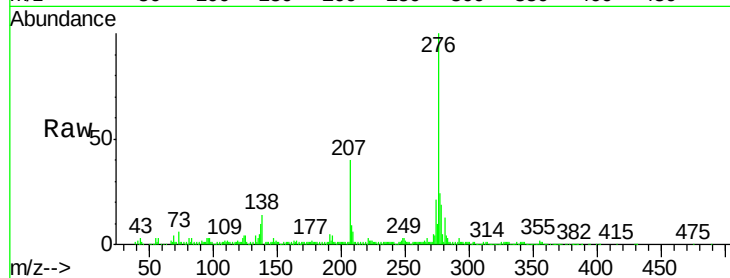




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 8.15 ng/ul
 RT: 25.94 min Scan# 3886
 Delta R.T. 0.01 min
 Lab File: BM012923.D
 Acq: 12 Nov 2017 03:41

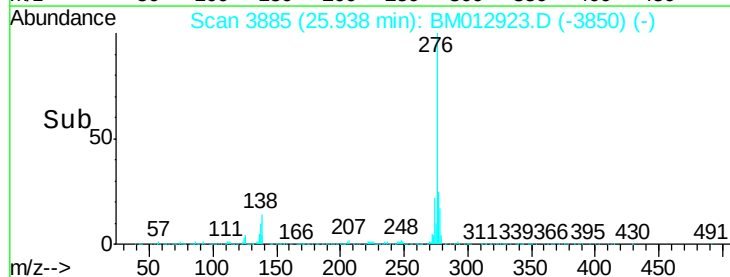
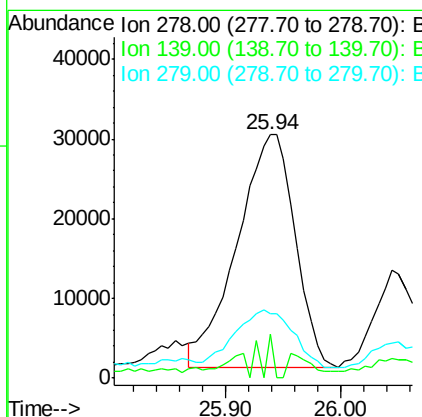
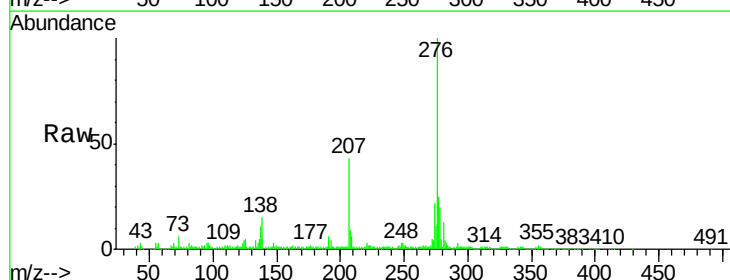
Instrument :
 BNA_M
 ClientSampleId :

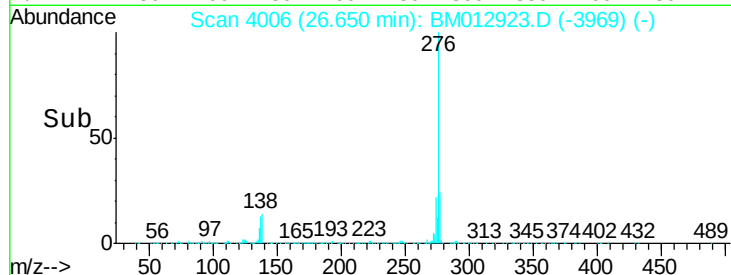
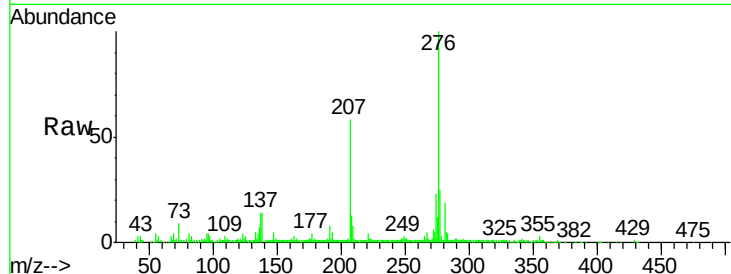
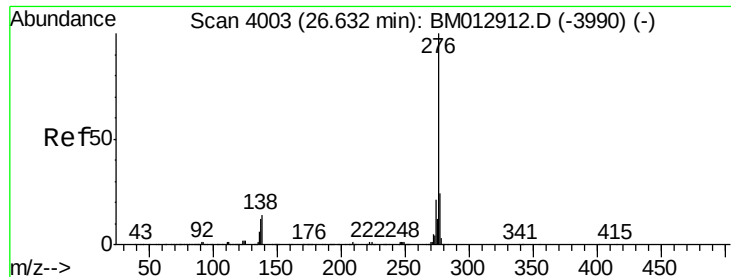
Tot Ion	Ratio	Lower	Upper
276	100		
138	13.8	14.4	21.6#
277	24.1	18.0	27.0



#28
 Dibenzo(a,h)anthracene
 Concen: 2.35 ng/ul
 RT: 25.94 min Scan# 3885
 Delta R.T. 0.01 min
 Lab File: BM012923.D
 Acq: 12 Nov 2017 03:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.0	12.2	18.4
279	26.5	19.2	28.8





#29

Benzo(a,h,i)perylene

Concen: 7.78 ng/ul

RT: 26.65 min Scan# 4006

Delta R.T. 0.02 min

Lab File: BM012923.D

Acq: 12 Nov 2017 03:41

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 276 Resp: 334079

Ion Ratio Lower Upper

276 100

138 14.1 15.3 22.9#

277 25.2 19.0 28.4

