

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\
 Data File : BM009280.D
 Acq On : 17 Mar 2017 18:49
 Operator : SJ/MA
 Sample : I2285-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 18 00:40:48 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031717-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 18 00:39:50 2017
 Response via : Initial Calibration

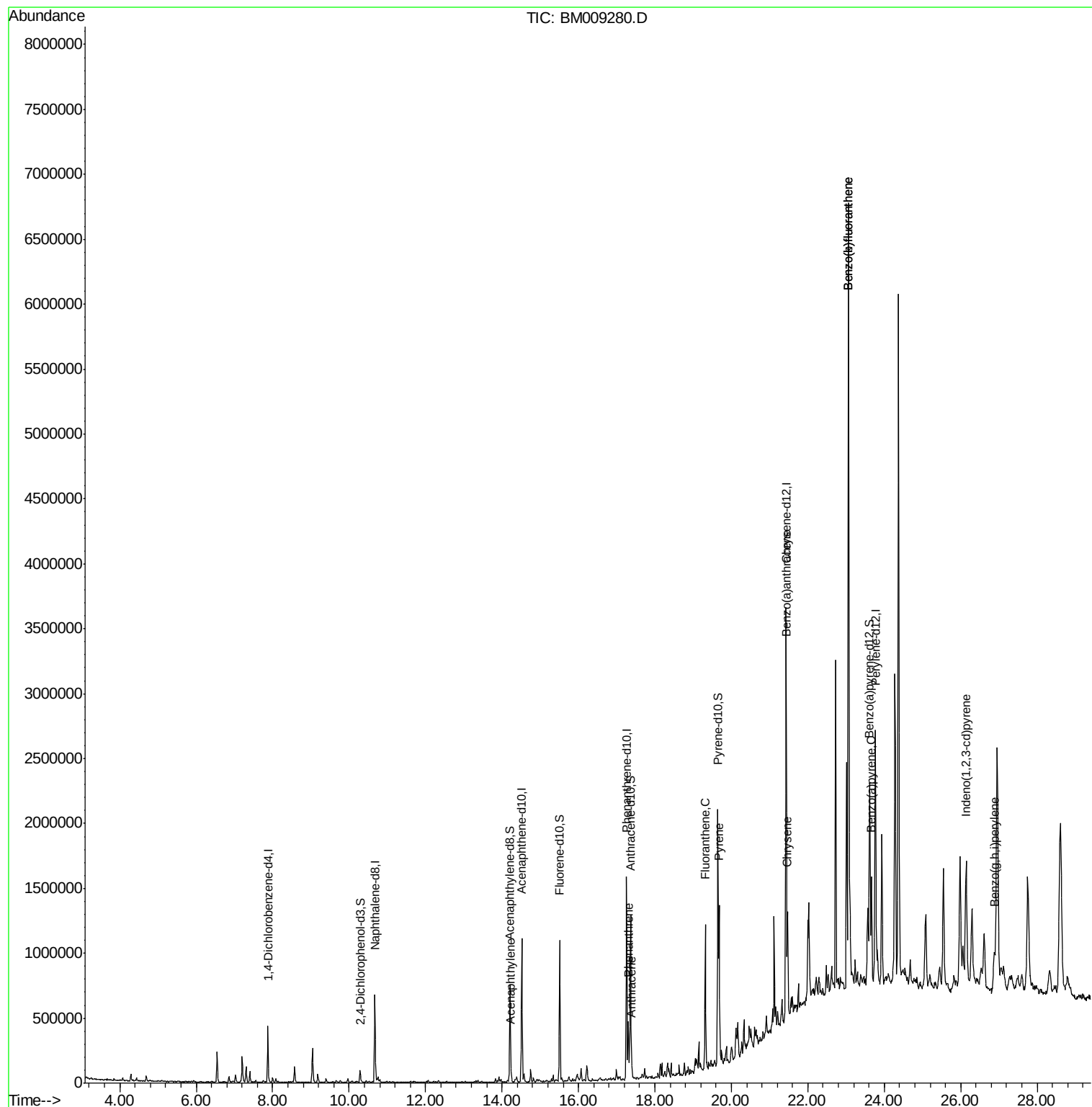
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	100381	20.00	ng/ul	0.00
2) Naphthalene-d8	10.67	136	469790	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	326341	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.26	188	872974	20.00	ng/ul	0.00
18) Chrysene-d12	21.43	240	1385391	20.00	ng/ul	0.00
23) Perylene-d12	23.77	264	1441583	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.29	165	25433	3.34	ng/uL	0.00
7) Acenaphthylene-d8	14.21	160	476471	17.22	ng/ul	0.00
10) Fluorene-d10	15.51	176	398153	16.42	ng/ul	0.00
15) Anthracene-d10	17.36	188	684533	16.50	ng/ul	0.00
19) Pyrene-d10	19.65	212	902315	16.25	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.62	264	1043639	15.92	ng/ul	0.00
Target Compounds				Qvalue		
8) Acenaphthylene	14.24	152	47508	1.70	ng/ul#	88
14) Phenanthrene	17.30	178	241928	4.92	ng/ul	96
16) Anthracene	17.39	178	62031	1.22	ng/ul	96
17) Fluoranthene	19.32	202	638380	10.25	ng/ul	95
20) Pyrene	19.68	202	641390	8.97	ng/ul#	92
21) Benzo(a)anthracene	21.42	228	469262	5.95	ng/ul	97
22) Chrysene	21.47	228	473640	6.36	ng/ul	97
24) Benzo(b)fluoranthene	23.06	252	852683	10.05	ng/ul#	86
25) Benzo(k)fluoranthene	23.06	252	852683	10.65	ng/ul#	85
27) Benzo(a)pyrene	23.67	252	563675	6.90	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	26.14	276	439102	4.53	ng/ul#	92
30) Benzo(a,h,i)perylene	26.87	276	379386	4.70	ng/ul#	92

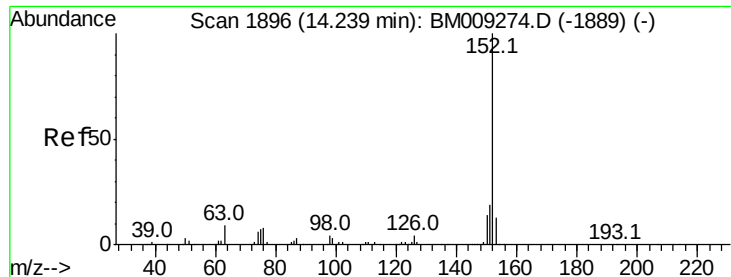
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 1.70 ng/ul

RT: 14.24 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BM009280.D

Acq: 17 Mar 2017 18:49

Instrument :

BNA_M

ClientSampleId :

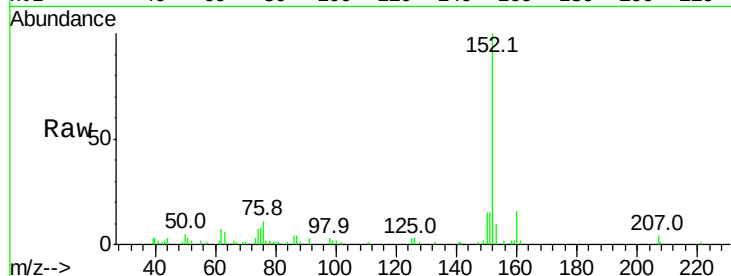
Tot Ion:152 Resp: 47508

Ion Ratio Lower Upper

152 100

151 15.4 17.5 26.3#

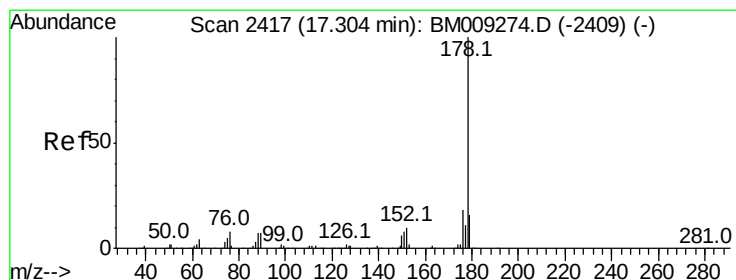
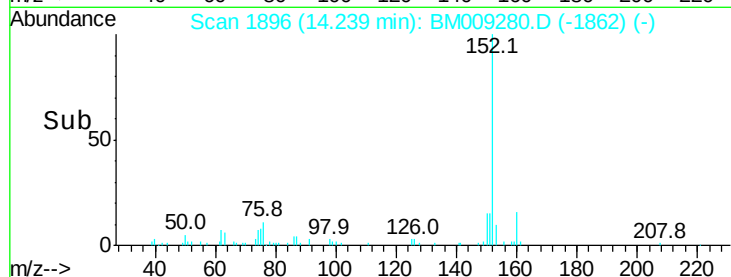
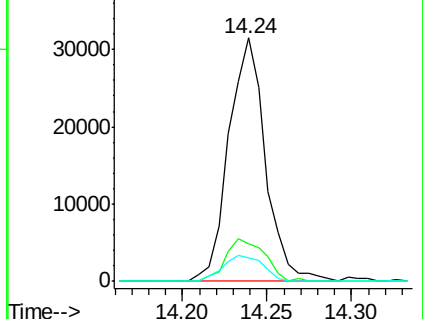
153 9.8 10.6 16.0#



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



#14

Phenanthrene

Concen: 4.92 ng/ul

RT: 17.30 min Scan# 2417

Delta R.T. -0.00 min

Lab File: BM009280.D

Acq: 17 Mar 2017 18:49

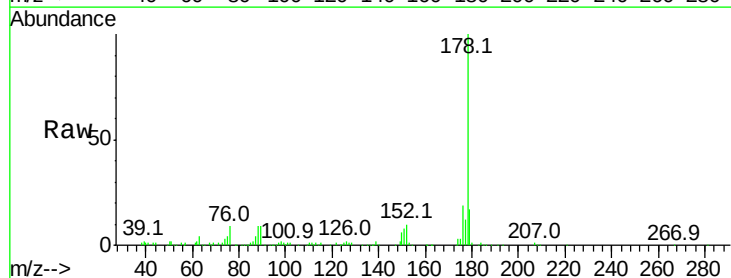
Tgt Ion:178 Resp: 241928

Ion Ratio Lower Upper

178 100

179 16.7 12.2 18.4

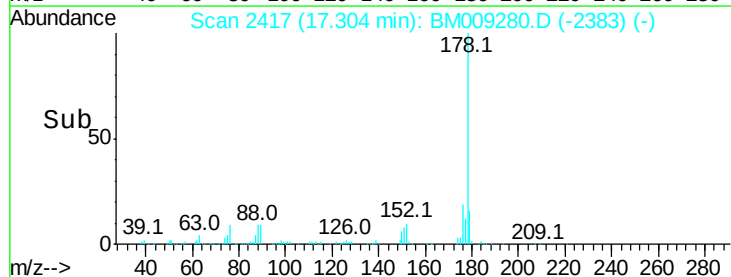
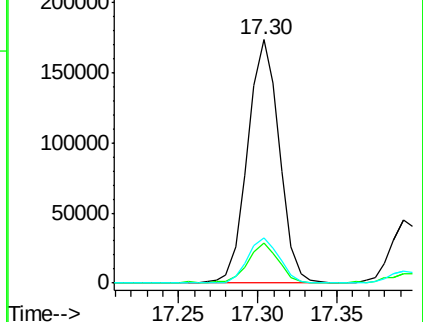
176 18.8 16.4 24.6

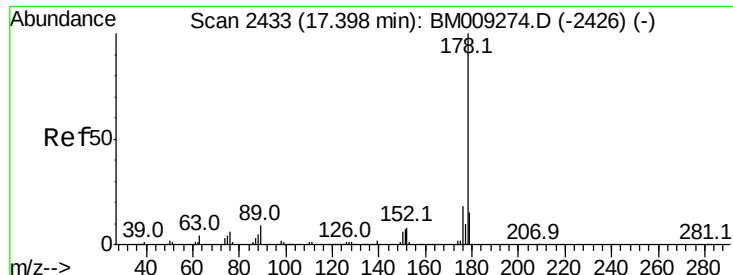


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

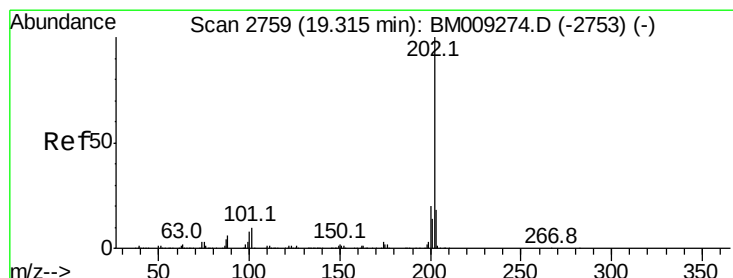
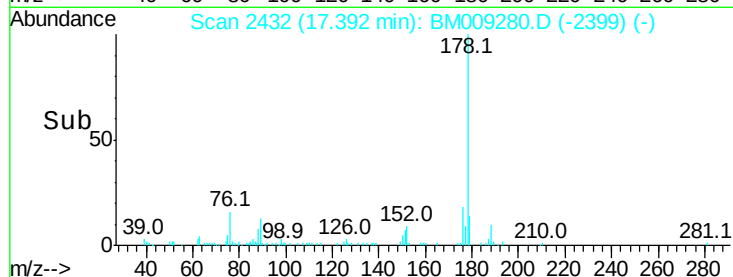
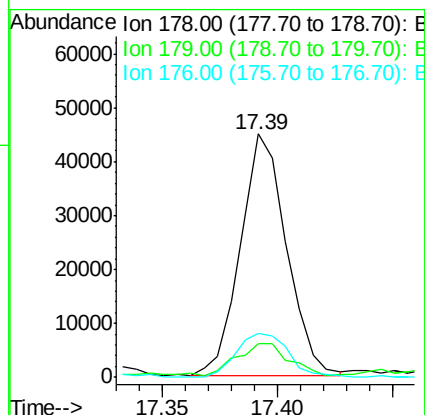
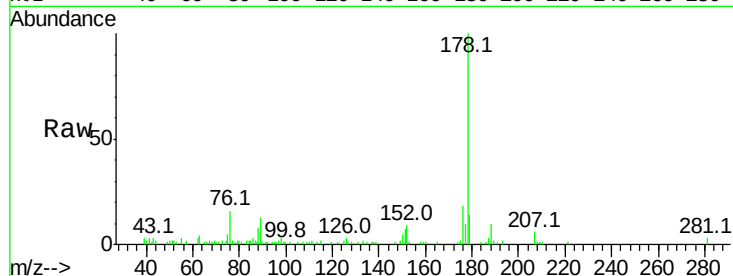




#16
 Anthracene
 Concen: 1.22 ng/ul
 RT: 17.39 min Scan# 2432
 Delta R.T. -0.01 min
 Lab File: BM009280.D
 Acq: 17 Mar 2017 18:49

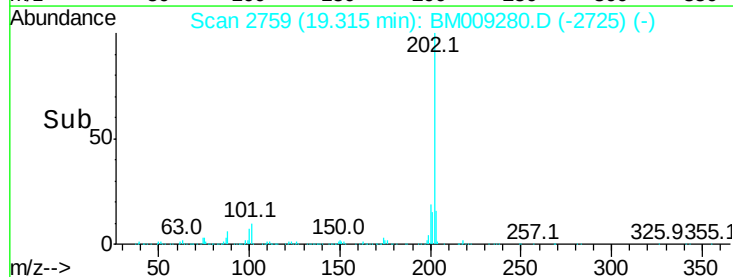
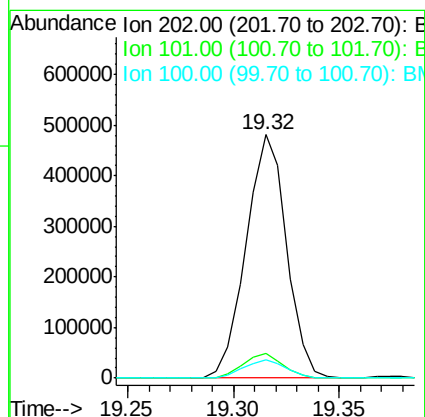
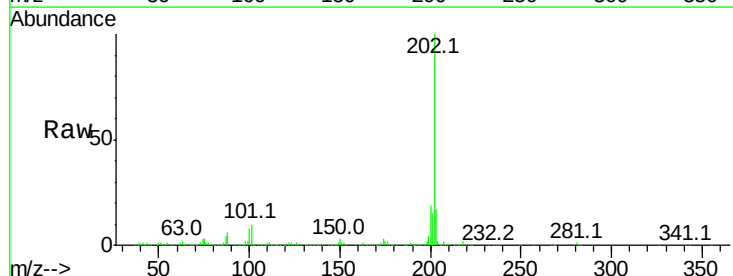
Instrument :
 BNA_M
 ClientSampleId :

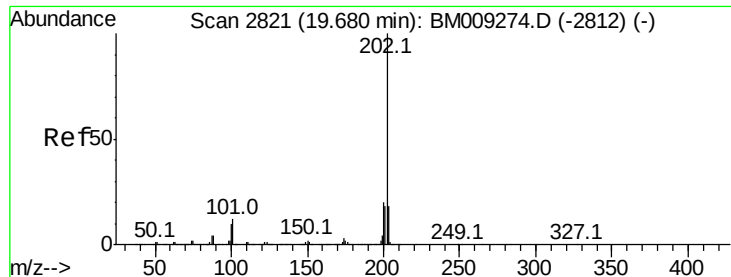
Tot Ion:178 Resp: 62031
 Ion Ratio Lower Upper
 178 100
 179 14.0 12.7 19.1
 176 17.9 15.8 23.8



#17
 Fluoranthene
 Concen: 10.25 ng/ul
 RT: 19.32 min Scan# 2759
 Delta R.T. -0.00 min
 Lab File: BM009280.D
 Acq: 17 Mar 2017 18:49

Tgt Ion:202 Resp: 638380
 Ion Ratio Lower Upper
 202 100
 101 10.3 9.8 14.8
 100 7.5 7.5 11.3

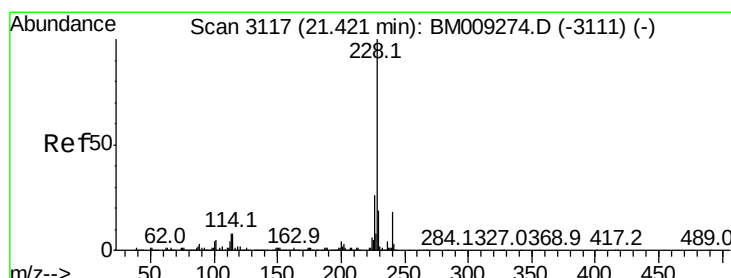
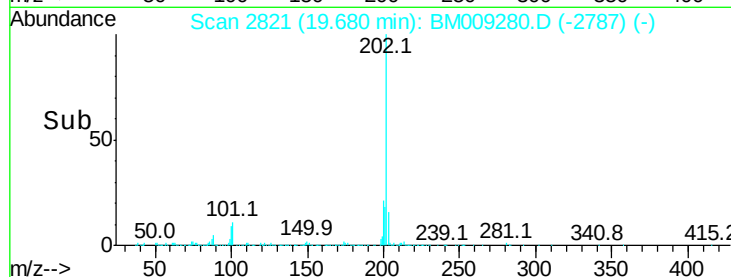
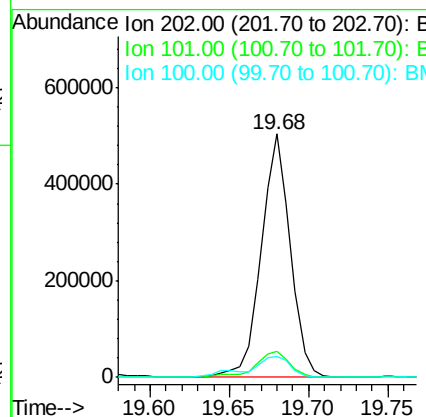
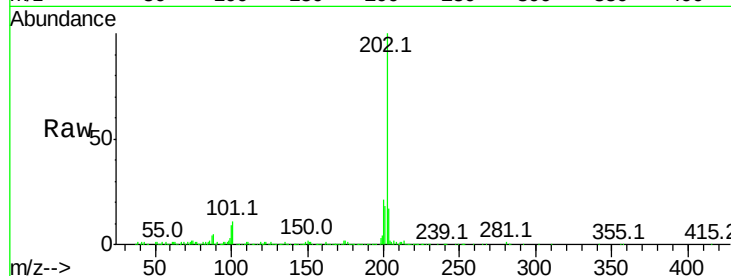




#20
 Pvrene
 Concen: 8.97 ng/ul
 RT: 19.68 min Scan# 2821
 Delta R.T. -0.00 min
 Lab File: BM009280.D
 Acq: 17 Mar 2017 18:49

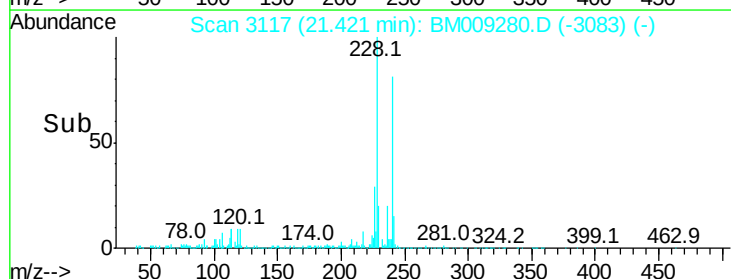
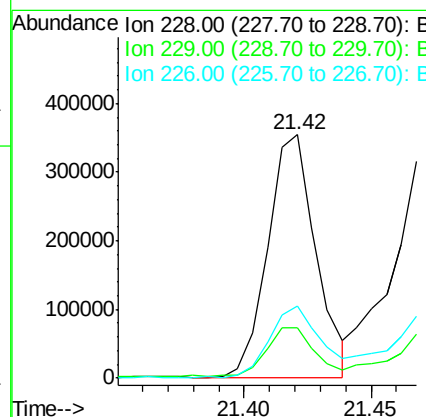
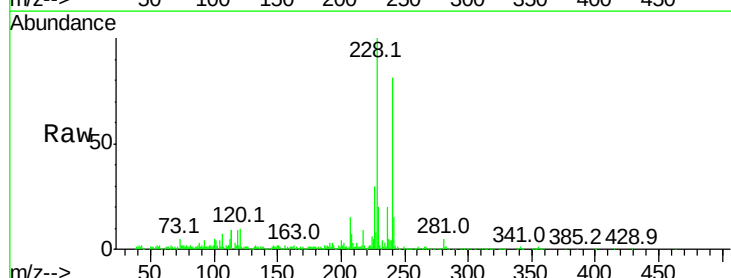
Instrument :
 BNA_M
 ClientSampleId :

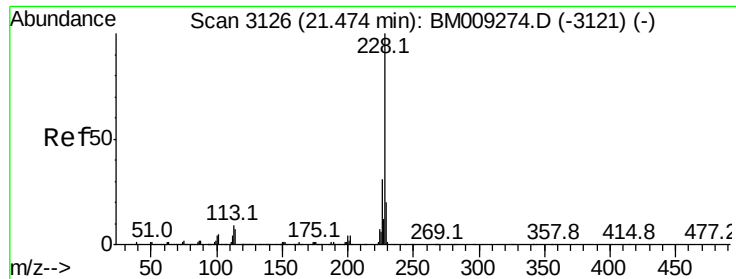
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.9	11.2	16.8#
100	8.8	9.8	14.6#



#21
 Benzo(a)anthracene
 Concen: 5.95 ng/ul
 RT: 21.42 min Scan# 3117
 Delta R.T. -0.00 min
 Lab File: BM009280.D
 Acq: 17 Mar 2017 18:49

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.9	23.9
226	29.6	22.1	33.1





#22

Chrysene

Concen: 6.36 ng/ul

RT: 21.47 min Scan# 3125

Delta R.T. -0.01 min

Lab File: BM009280.D

Acq: 17 Mar 2017 18:49

Instrument :

BNA_M

ClientSampled :

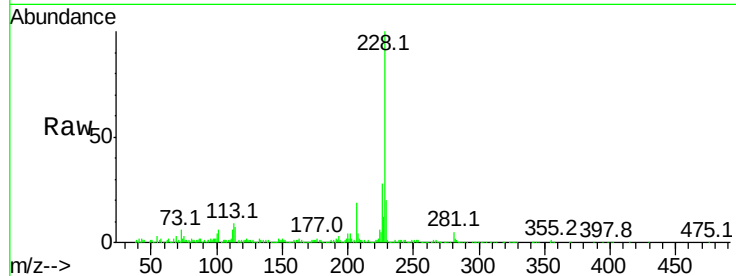
Tot Ion:228 Resp: 473640

Ion Ratio Lower Upper

228 100

226 28.5 25.0 37.6

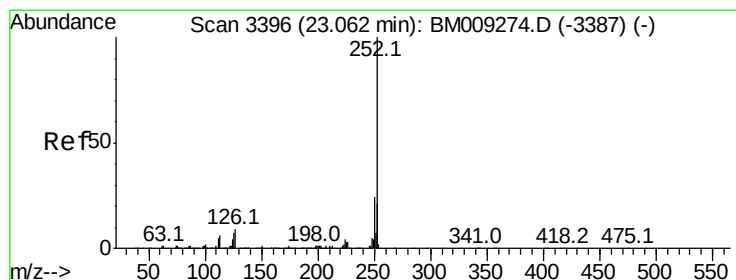
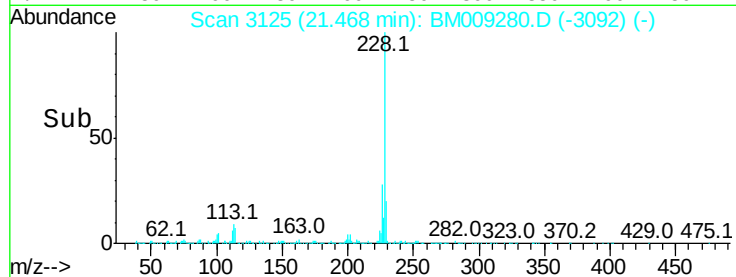
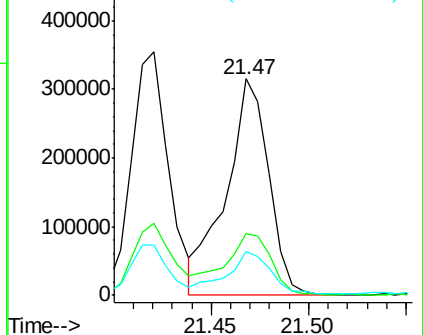
229 20.4 16.6 25.0



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



#24

Benzo(b)fluoranthene

Concen: 10.05 ng/ul

RT: 23.06 min Scan# 3396

Delta R.T. -0.00 min

Lab File: BM009280.D

Acq: 17 Mar 2017 18:49

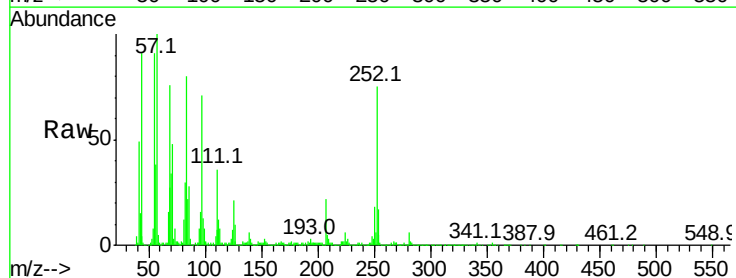
Tgt Ion:252 Resp: 852683

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

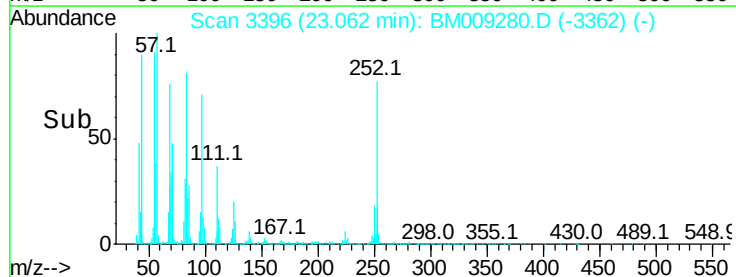
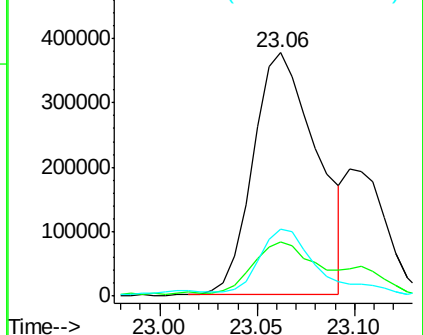
125 27.5 9.4 14.0#

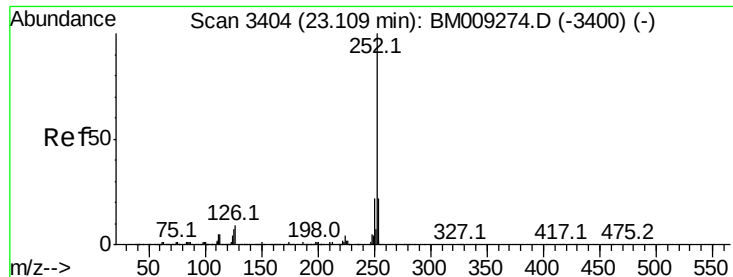


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

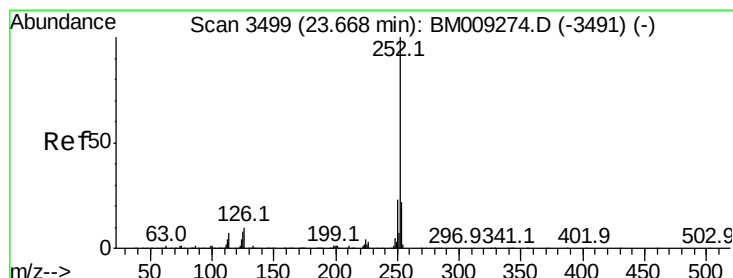
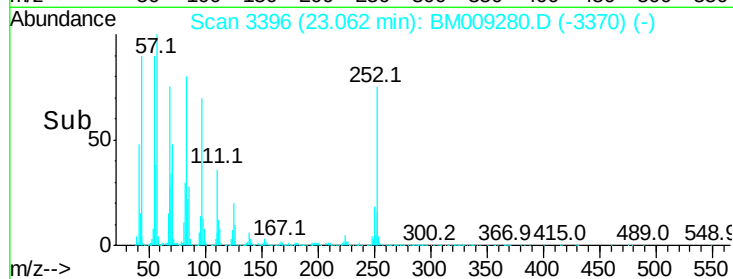
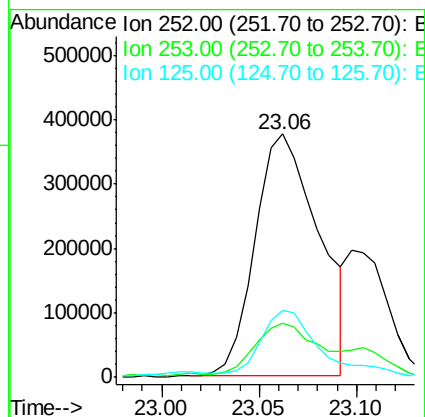
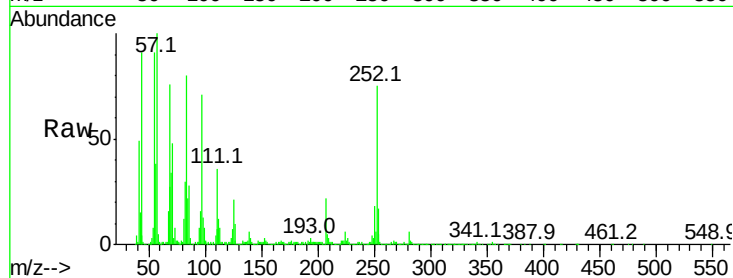




#25
Benzo(k)fluoranthene
Concen: 10.65 ng/ul
RT: 23.06 min Scan# 3396
Delta R.T. -0.05 min
Lab File: BM009280.D
Acq: 17 Mar 2017 18:49

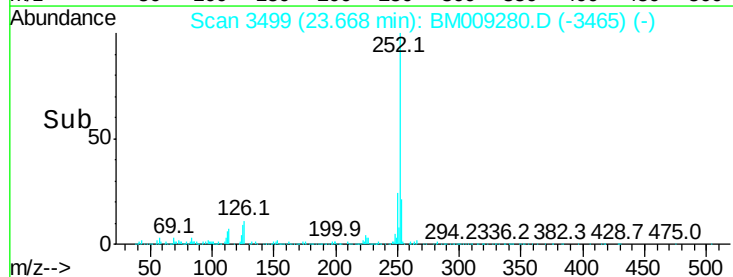
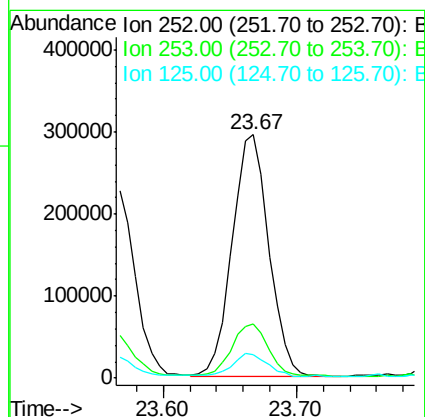
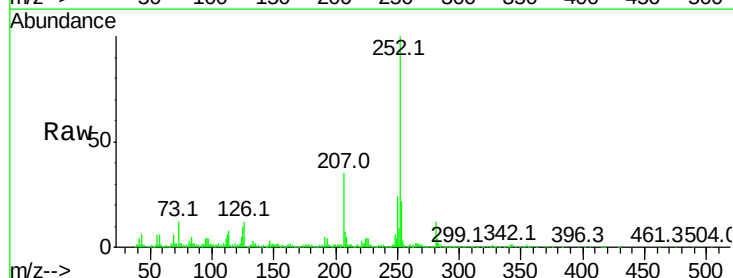
Instrument :
BNA_M
ClientSampleId :

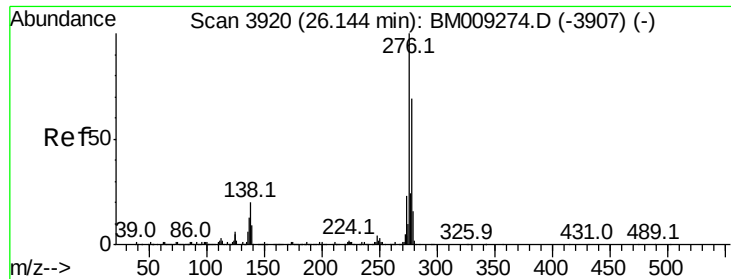
Tot Ion:252 Resp: 852683
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 27.5 8.8 13.2#



#27
Benzo(a)pyrene
Concen: 6.90 ng/ul
RT: 23.67 min Scan# 3499
Delta R.T. -0.00 min
Lab File: BM009280.D
Acq: 17 Mar 2017 18:49

Tgt Ion:252 Resp: 563675
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 9.5 9.4 14.2





#28

Indeno(1,2,3-cd)pyrene

Concen: 4.53 ng/ul

RT: 26.14 min Scan# 3919

Delta R.T. -0.01 min

Lab File: BM009280.D

Acq: 17 Mar 2017 18:49

Instrument :

BNA_M

ClientSampleId :

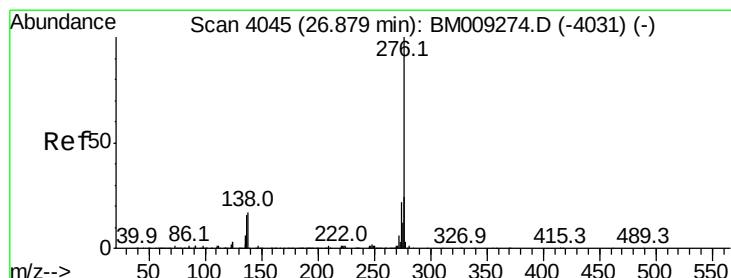
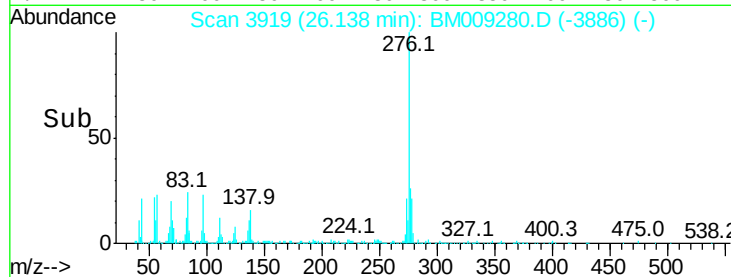
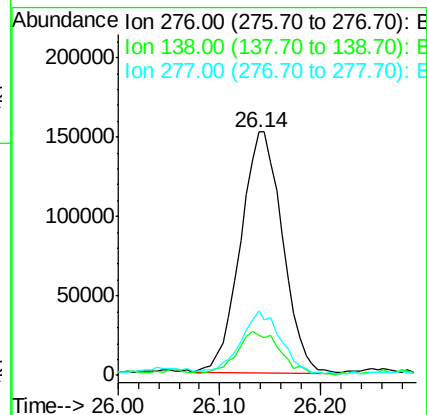
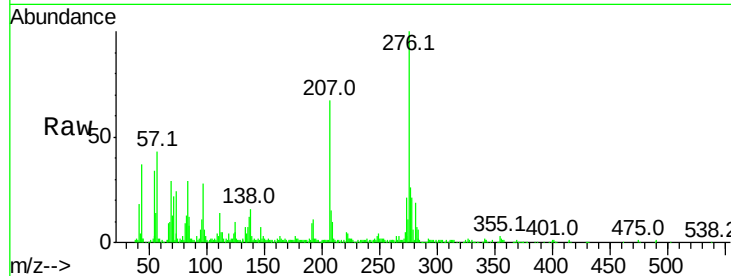
Tot Ion:276 Resp: 439102

Ion Ratio Lower Upper

276 100

138 16.4 17.8 26.6#

277 26.3 19.4 29.0



#30

Benzo(g,h,i)perylene

Concen: 4.70 ng/ul

RT: 26.87 min Scan# 4044

Delta R.T. -0.01 min

Lab File: BM009280.D

Acq: 17 Mar 2017 18:49

Tgt Ion:276 Resp: 379386

Ion Ratio Lower Upper

276 100

138 17.2 19.0 28.4#

277 22.8 19.7 29.5

