

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\
 Data File : BM009285.D
 Acq On : 17 Mar 2017 21:48
 Operator : SJ/MA
 Sample : I2285-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB386

Quant Time: Mar 18 00:41:51 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

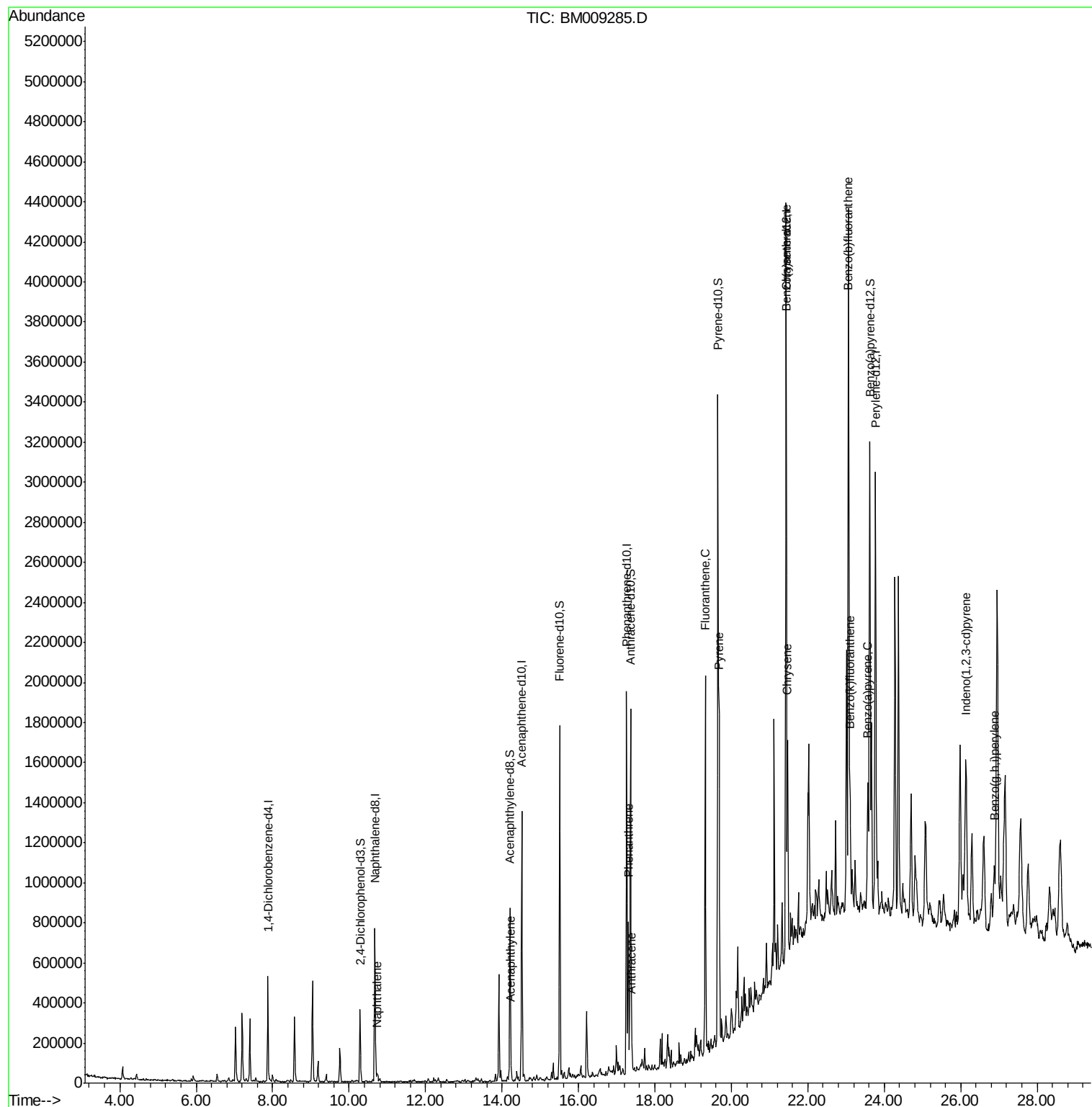
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	122817	20.00	ng/ul	0.00
2) Naphthalene-d8	10.67	136	562765	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	394573	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.26	188	1046394	20.00	ng/ul	0.00
18) Chrysene-d12	21.43	240	1586593	20.00	ng/ul	0.00
23) Perylene-d12	23.77	264	1646467	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.29	165	112515	12.32	ng/uL	0.00
7) Acenaphthylene-d8	14.21	160	560726	16.76	ng/ul	0.00
10) Fluorene-d10	15.51	176	629375	21.46	ng/ul	0.00
15) Anthracene-d10	17.36	188	847153	17.04	ng/ul	0.00
19) Pyrene-d10	19.65	212	1406272	22.11	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.62	264	1538530	20.55	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.72	128	28857	1.01	ng/ul	98
8) Acenaphthylene	14.23	152	42437	1.25	ng/ul#	89
14) Phenanthrene	17.30	178	397856	6.75	ng/ul	95
16) Anthracene	17.39	178	81927	1.34	ng/ul	96
17) Fluoranthene	19.32	202	1056095	14.14	ng/ul#	95
20) Pyrene	19.68	202	931092	11.37	ng/ul#	94
21) Benzo(a)anthracene	21.42	228	643349	7.12	ng/ul	99
22) Chrysene	21.47	228	628953	7.37	ng/ul	94
24) Benzo(b)fluoranthene	23.06	252	986156	10.18	ng/ul#	93
25) Benzo(k)fluoranthene	23.10	252	338450	3.70	ng/ul	98
27) Benzo(a)pyrene	23.57	252	483739	5.19	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	26.14	276	430846	3.89	ng/ul	95
30) Benzo(a,h,i)perylene	26.87	276	380153	4.13	ng/ul#	93

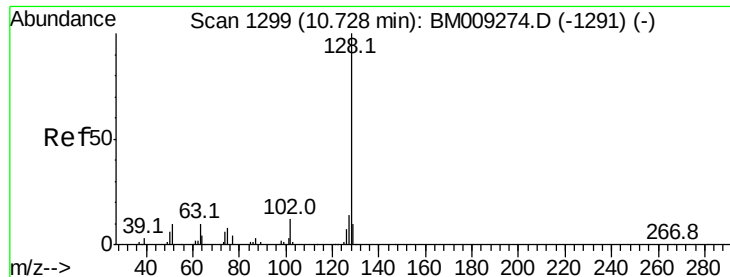
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.01 ng/ul

RT: 10.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BM009285.D

Acq: 17 Mar 2017 21:48

Instrument :

BNA_M

ClientSampled :

CB386

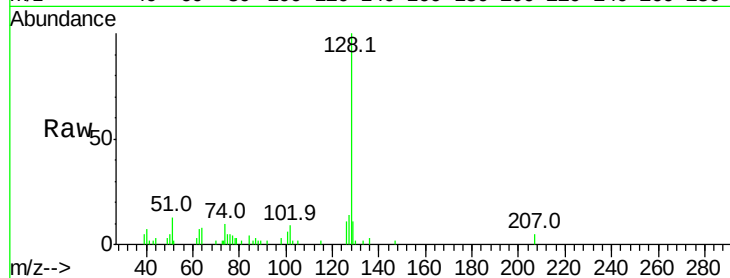
Tot Ion:128 Resp: 28857

Ion Ratio Lower Upper

128 100

129 10.6 9.1 13.7

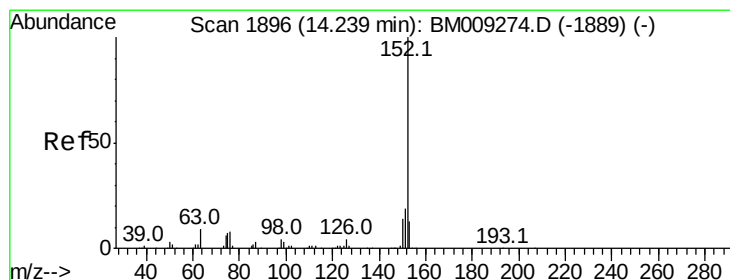
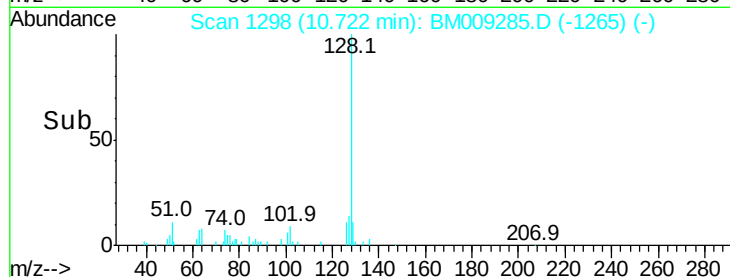
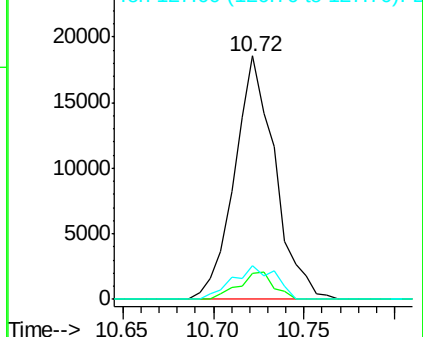
127 13.8 10.6 15.8



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



#8

Acenaphthylene

Concen: 1.25 ng/ul

RT: 14.23 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BM009285.D

Acq: 17 Mar 2017 21:48

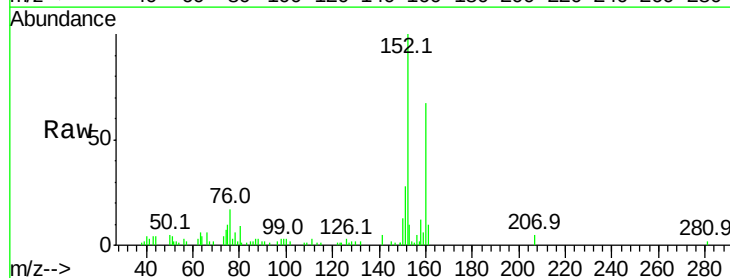
Tgt Ion:152 Resp: 42437

Ion Ratio Lower Upper

152 100

151 27.8 17.5 26.3#

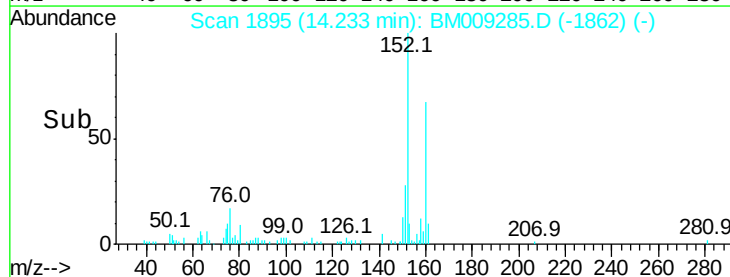
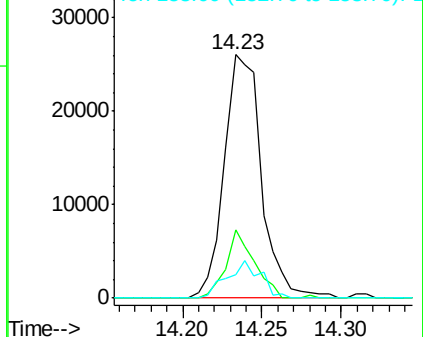
153 9.8 10.6 16.0#

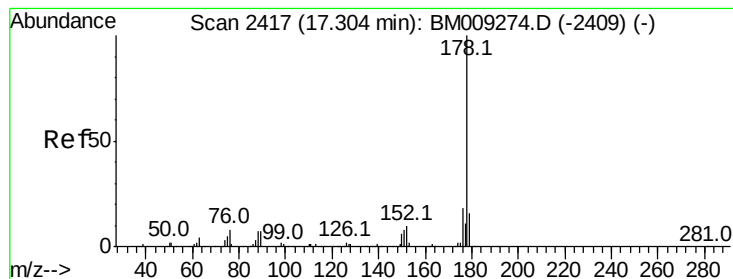


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#14

Phenanthrene

Concen: 6.75 ng/ul

RT: 17.30 min Scan# 2417

Delta R.T. -0.00 min

Lab File: BM009285.D

Acq: 17 Mar 2017 21:48

Instrument :

BNA_M

ClientSampleId :

CB386

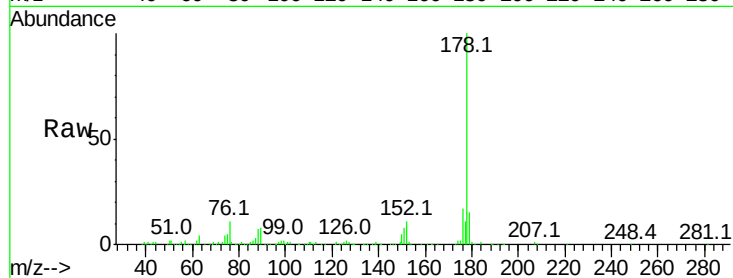
Tot Ion:178 Resp: 397856

Ion Ratio Lower Upper

178 100

179 14.8 12.2 18.4

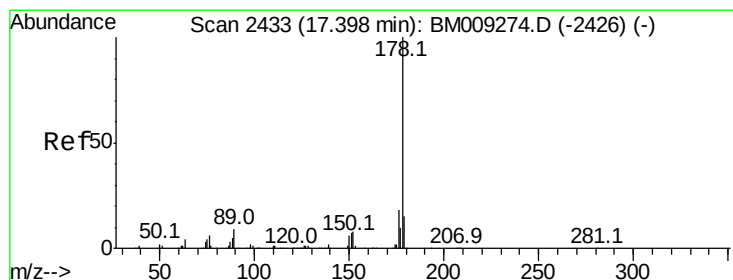
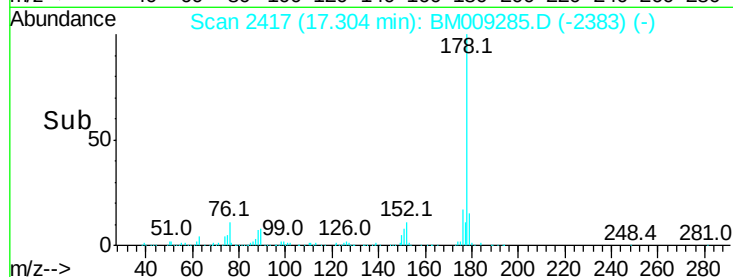
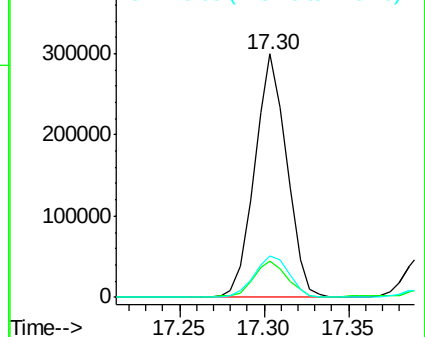
176 17.1 16.4 24.6



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: 1.34 ng/ul

RT: 17.39 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BM009285.D

Acq: 17 Mar 2017 21:48

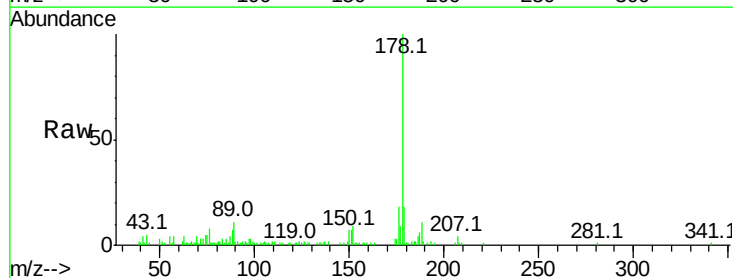
Tgt Ion:178 Resp: 81927

Ion Ratio Lower Upper

178 100

179 17.5 12.7 19.1

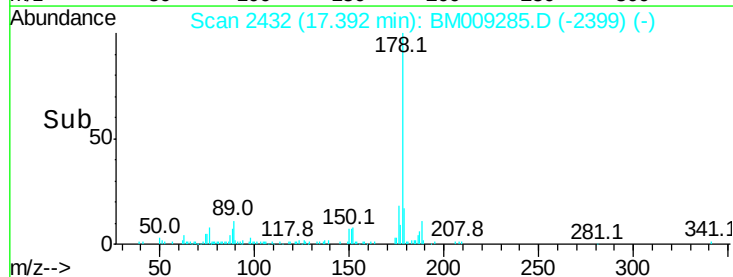
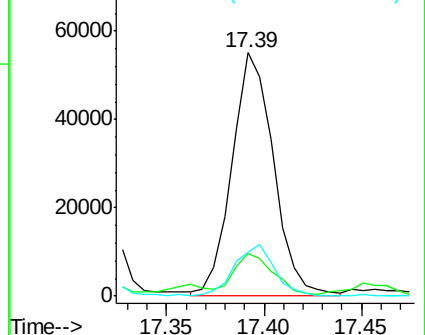
176 18.0 15.8 23.8

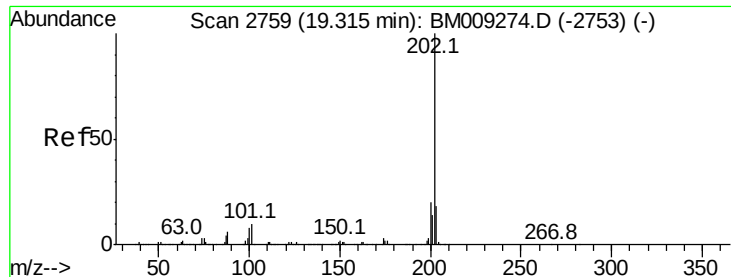


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

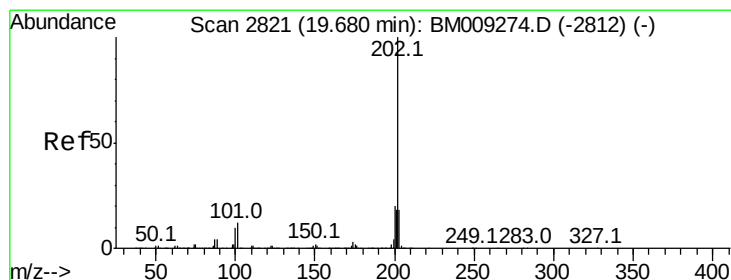
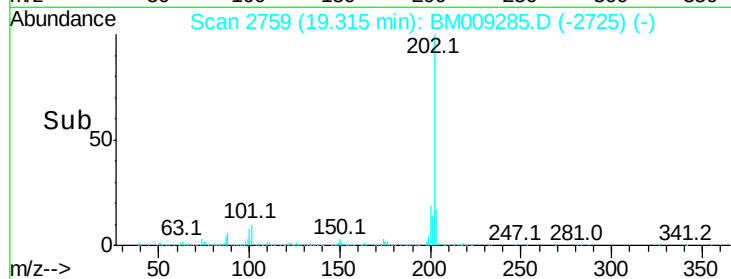
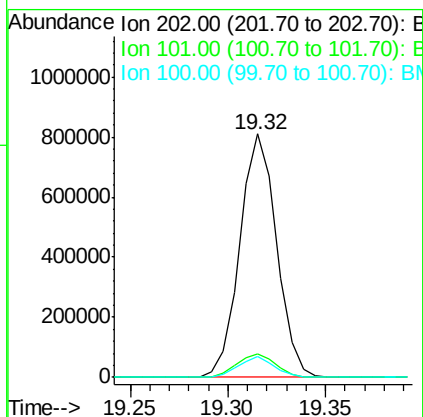
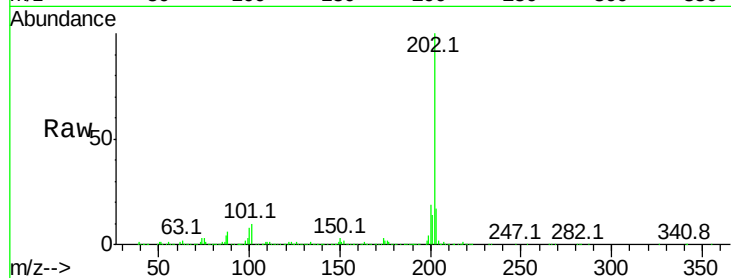




#17
 Fluoranthene
 Concen: 14.14 ng/ul
 RT: 19.32 min Scan# 2759
 Delta R.T. -0.00 min
 Lab File: BM009285.D
 Acq: 17 Mar 2017 21:48

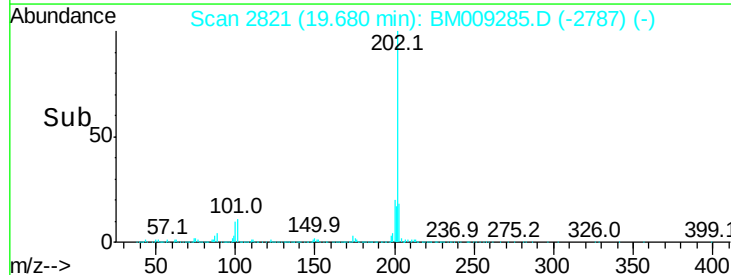
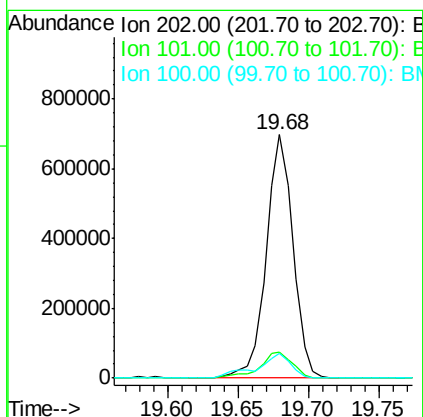
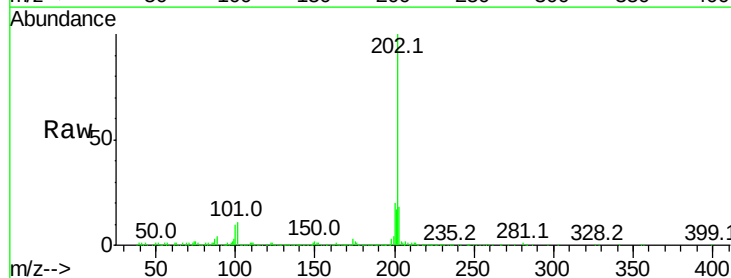
Instrument :
 BNA_M
 ClientSampleId :
 CB386

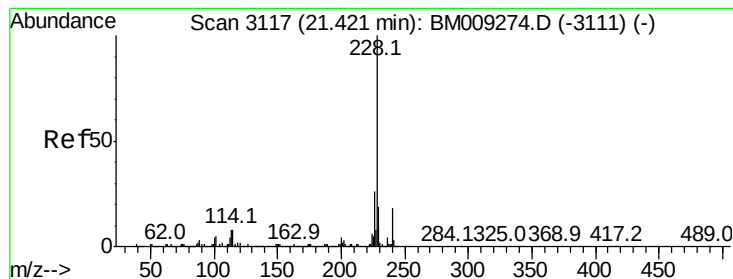
Tot Ion:202 Resp: 1056095
 Ion Ratio Lower Upper
 202 100
 101 9.8 9.8 14.8#
 100 8.5 7.5 11.3



#20
 Pyrene
 Concen: 11.37 ng/ul
 RT: 19.68 min Scan# 2821
 Delta R.T. -0.00 min
 Lab File: BM009285.D
 Acq: 17 Mar 2017 21:48

Tgt Ion:202 Resp: 931092
 Ion Ratio Lower Upper
 202 100
 101 10.8 11.2 16.8#
 100 10.4 9.8 14.6





#21

Benzo(a)anthracene

Concen: 7.12 ng/ul

RT: 21.42 min Scan# 3117

Delta R.T. -0.00 min

Lab File: BM009285.D

Acq: 17 Mar 2017 21:48

Instrument :

BNA_M

ClientSampleId :

CB386

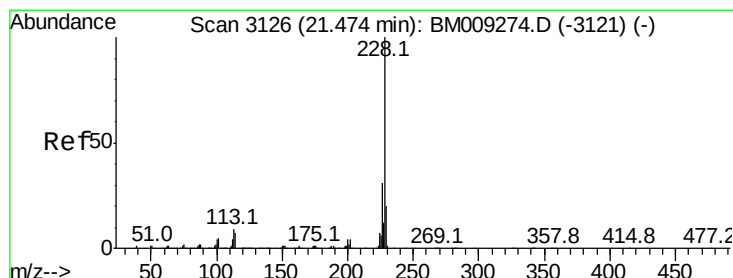
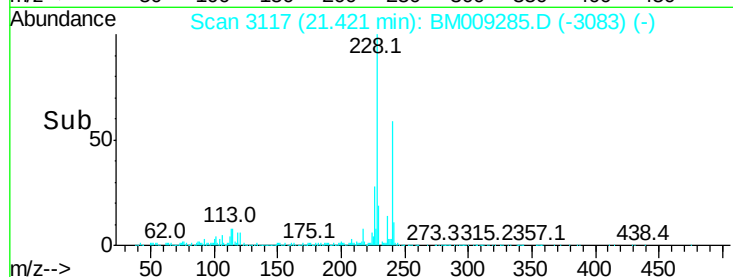
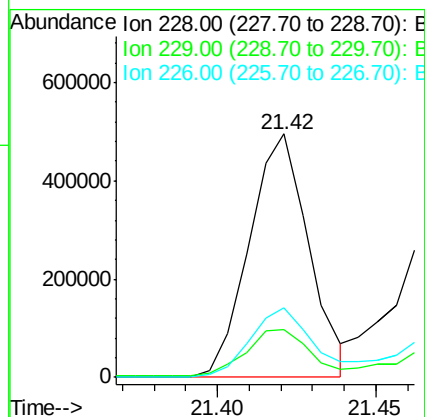
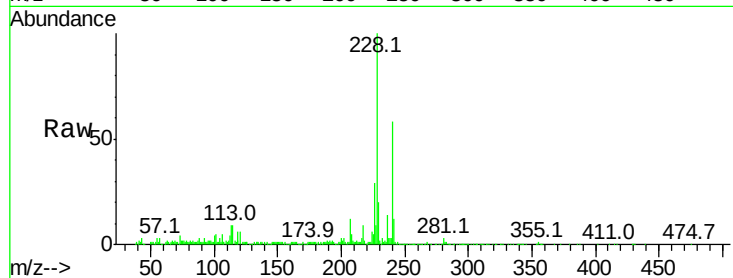
Tot Ion:228 Resp: 643349

Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.9	23.9
226	28.5	22.1	33.1

228 100

229 19.6 15.9 23.9

226 28.5 22.1 33.1



#22

Chrysene

Concen: 7.37 ng/ul

RT: 21.47 min Scan# 3125

Delta R.T. -0.01 min

Lab File: BM009285.D

Acq: 17 Mar 2017 21:48

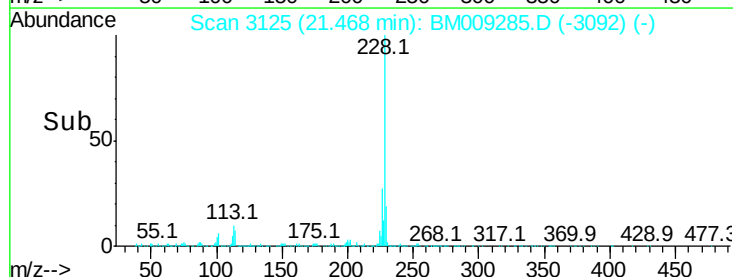
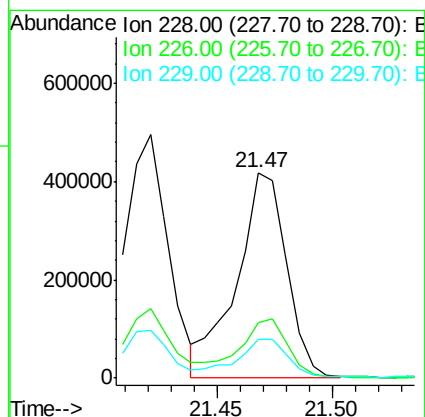
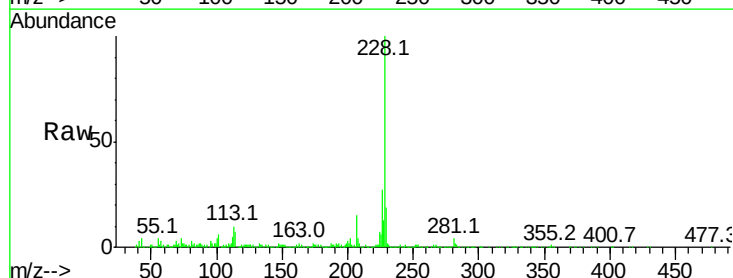
Tgt Ion:228 Resp: 628953

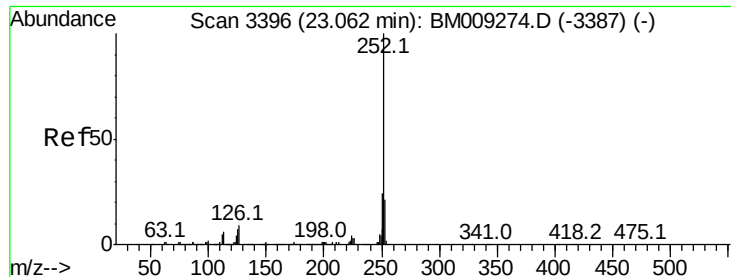
Ion	Ratio	Lower	Upper
228	100		
226	27.3	25.0	37.6
229	19.0	16.6	25.0

228 100

226 27.3 25.0 37.6

229 19.0 16.6 25.0





#24

Benzo(b)fluoranthene

Concen: 10.18 ng/ul

RT: 23.06 min Scan# 3396

Delta R.T. -0.00 min

Lab File: BM009285.D

Acq: 17 Mar 2017 21:48

Instrument :

BNA_M

ClientSampleId :

CB386

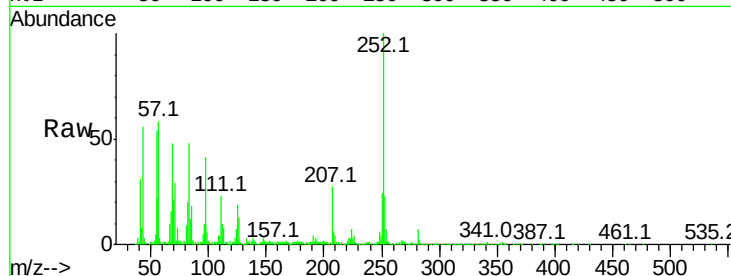
Tot Ion:252 Resp: 986156

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

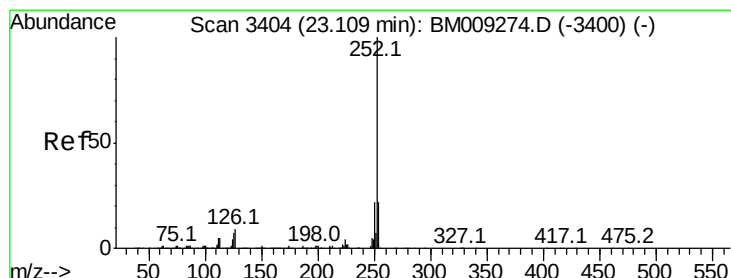
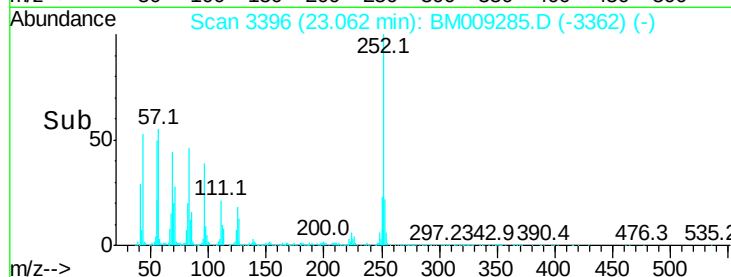
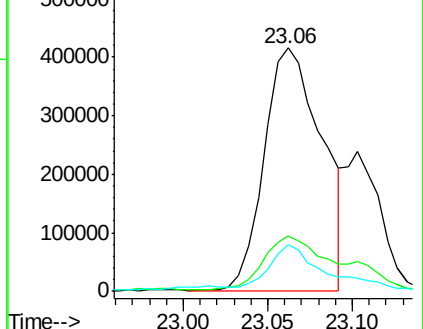
125 18.9 9.4 14.0#



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: 3.70 ng/ul

RT: 23.10 min Scan# 3403

Delta R.T. -0.01 min

Lab File: BM009285.D

Acq: 17 Mar 2017 21:48

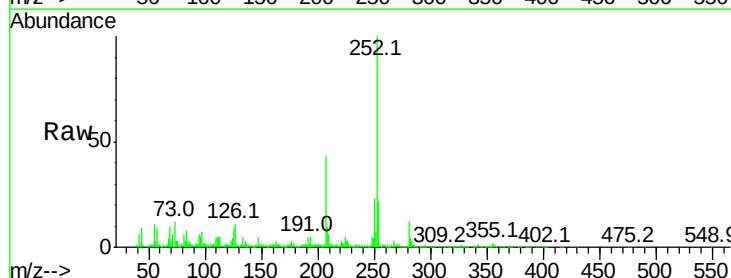
Tgt Ion:252 Resp: 338450

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.2

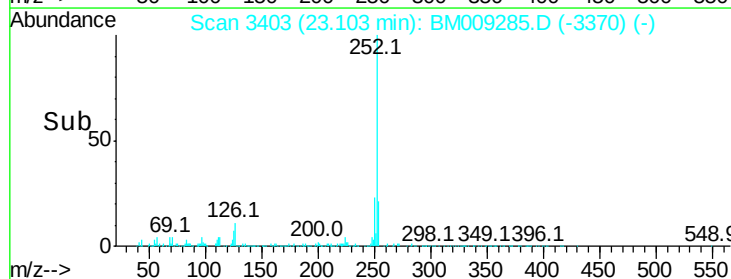
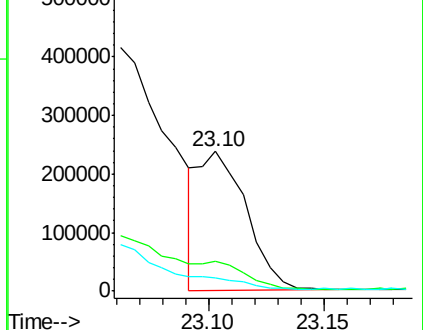
125 9.1 8.8 13.2

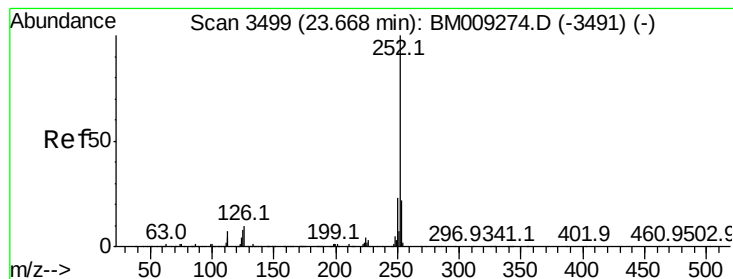


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 5.19 ng/ul

RT: 23.57 min Scan# 3482

Delta R.T. -0.10 min

Lab File: BM009285.D

Acq: 17 Mar 2017 21:48

Instrument :

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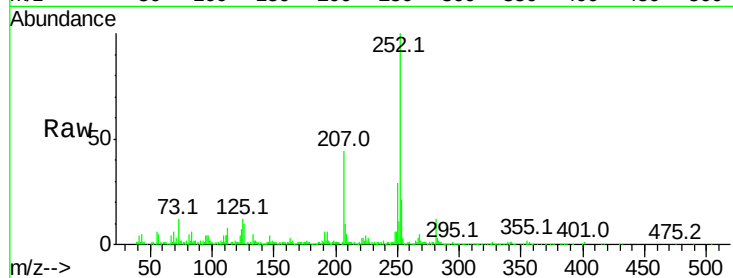
Tot Ion:252 Resp: 483739

Ion Ratio Lower Upper

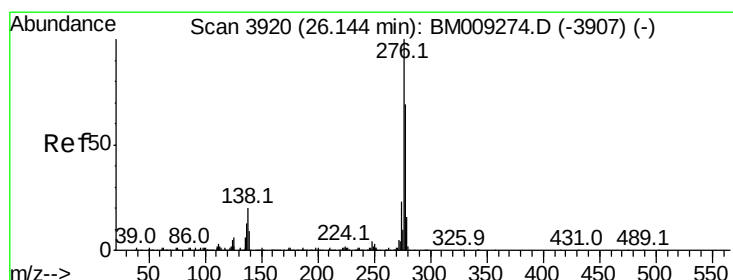
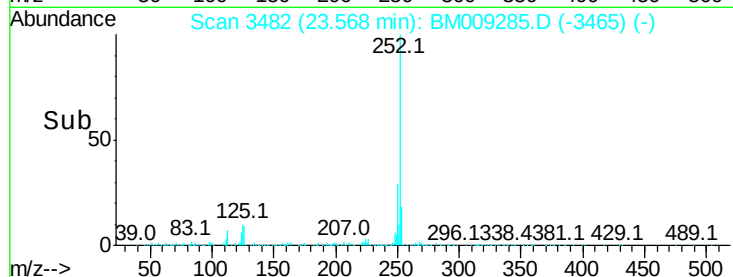
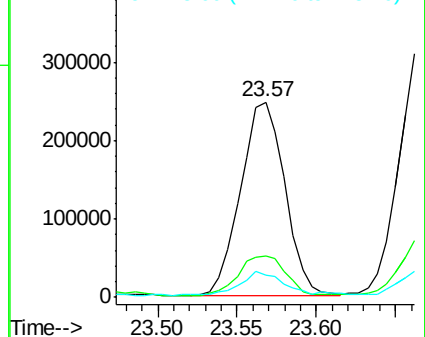
252 100

253 21.0 17.1 25.7

125 11.5 9.4 14.2



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



#28

Indeno(1,2,3-cd)pyrene

Concen: 3.89 ng/ul

RT: 26.14 min Scan# 3920

Delta R.T. -0.00 min

Lab File: BM009285.D

Acq: 17 Mar 2017 21:48

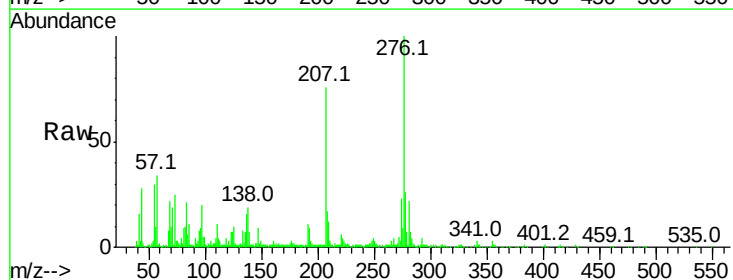
Tgt Ion:276 Resp: 430846

Ion Ratio Lower Upper

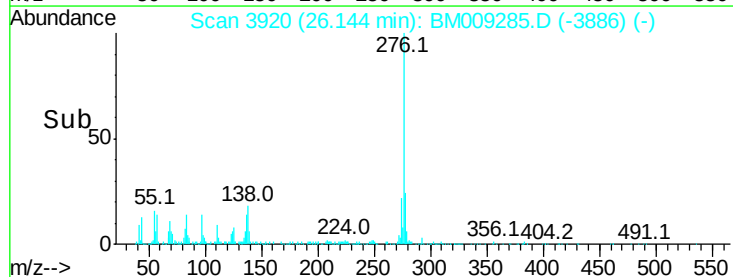
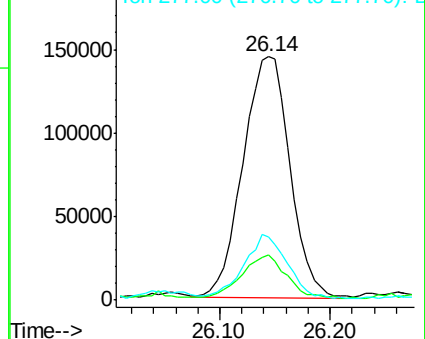
276 100

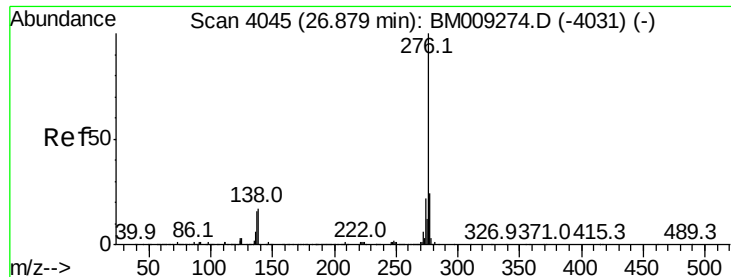
138 18.7 17.8 26.6

277 25.8 19.4 29.0



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





#30

Benzo(a,h,i)perylene

Concen: 4.13 ng/ul

RT: 26.87 min Scan# 4044

Delta R.T. -0.01 min

Lab File: BM009285.D

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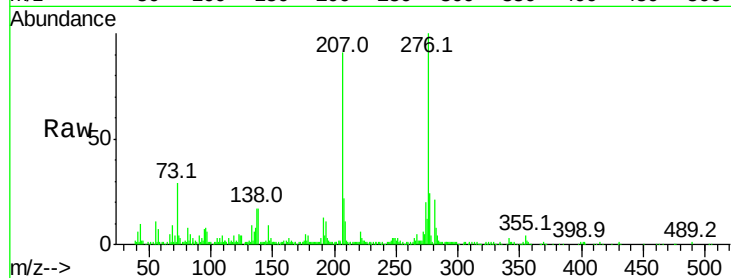
Tot Ion: 276 Resp: 380153

Ion Ratio Lower Upper

276 100

138 16.9 19.0 28.4#

277 24.0 19.7 29.5



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

