

Data Path : Z:\HPCHEM1\BNA M\Data\BM041017\
 Data File : BM009644.D
 Acq On : 10 Apr 2017 11:16
 Operator : SJ/MA
 Sample : I2525-11DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB354DL

Quant Time: Apr 10 14:53:14 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Apr 10 01:54:07 2017
 Response via : Initial Calibration

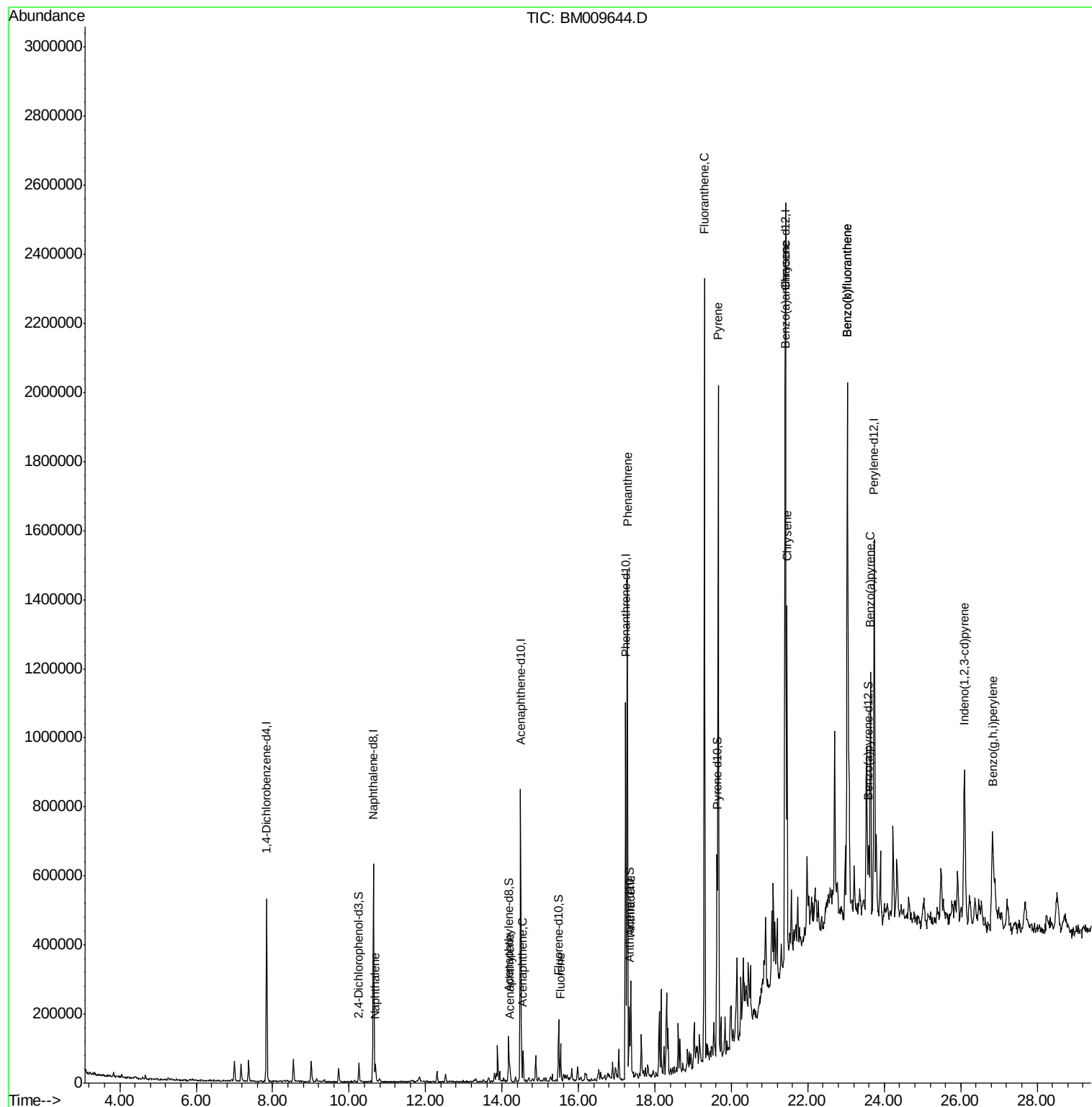
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	122094	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	457018	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	260514	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	602435	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	824690	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	788358	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.26	165	20006	2.85	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	85113	3.33	ng/ul	0.00
10) Fluorene-d10	15.48	176	64109	3.49	ng/ul	0.00
15) Anthracene-d10	17.33	188	100297	3.48	ng/ul	0.00
19) Pyrene-d10	19.63	212	125692	3.71	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.59	264	128868	3.70	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.69	128	39115	1.67	ng/ul	98
8) Acenaphthylene	14.20	152	25861	1.01	ng/ul#	94
9) Acenaphthene	14.55	153	33670	1.91	ng/ul#	84
11) Fluorene	15.53	166	41080	1.91	ng/ul	89
14) Phenanthrene	17.28	178	841531	24.85	ng/ul	96
16) Anthracene	17.37	178	162552	4.64	ng/ul	98
17) Fluoranthene	19.29	202	1260392	29.88	ng/ul	98
20) Pyrene	19.66	202	1151787	25.65	ng/ul	96
21) Benzo(a)anthracene	21.40	228	576870	12.37	ng/ul	99
22) Chrysene	21.45	228	545545	12.76	ng/ul	96
24) Benzo(b)fluoranthene	23.04	252	715074	14.67	ng/ul	100
25) Benzo(k)fluoranthene	23.04	252	715074	15.39	ng/ul	99
27) Benzo(a)pyrene	23.64	252	532769	11.49	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	26.10	276	354582	6.82	ng/ul	97
30) Benzo(a,h,i)perylene	26.83	276	339164	7.92	ng/ul#	90

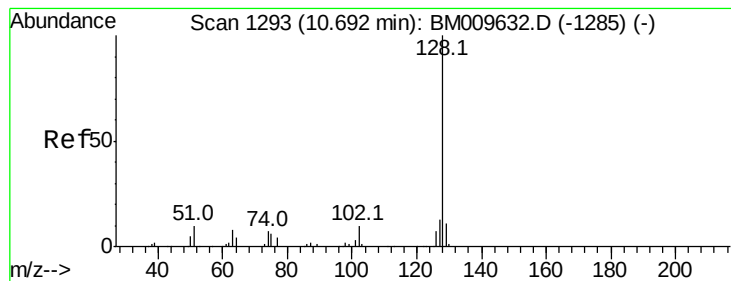
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.67 ng/ul

RT: 10.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BM009644.D

Acq: 10 Apr 2017 11:16

Instrument :

BNA_M

ClientSampleId :

CB354DL

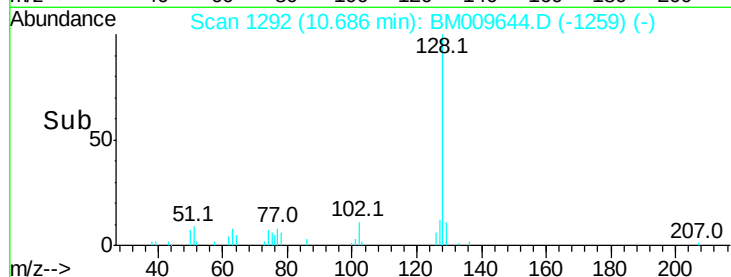
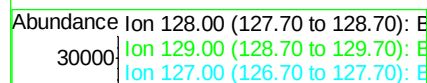
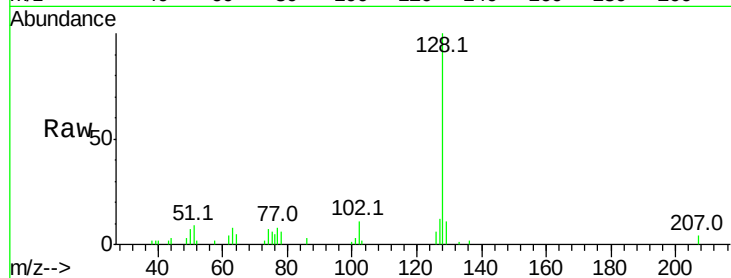
Tot Ion:128 Resp: 39115

Ion Ratio Lower Upper

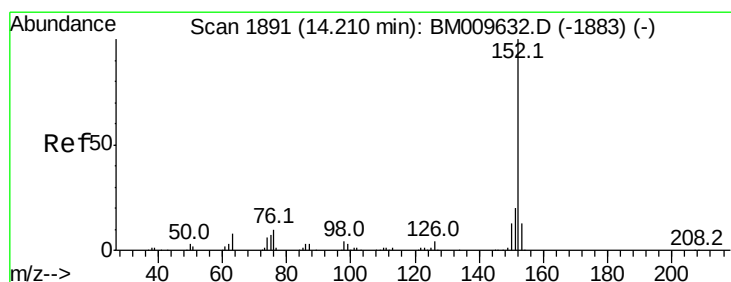
128 100

129 11.0 9.1 13.7

127 12.0 10.6 15.8



Time-->



#8

Acenaphthylene

Concen: 1.01 ng/ul

RT: 14.20 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BM009644.D

Acq: 10 Apr 2017 11:16

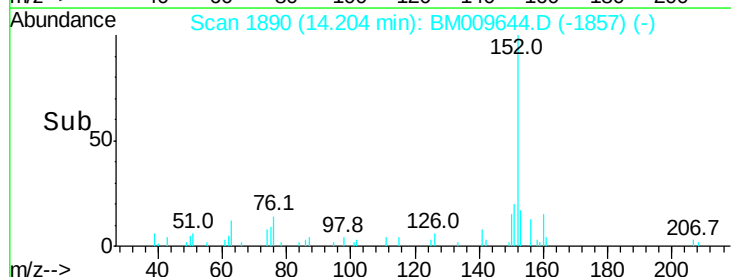
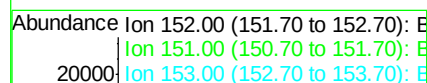
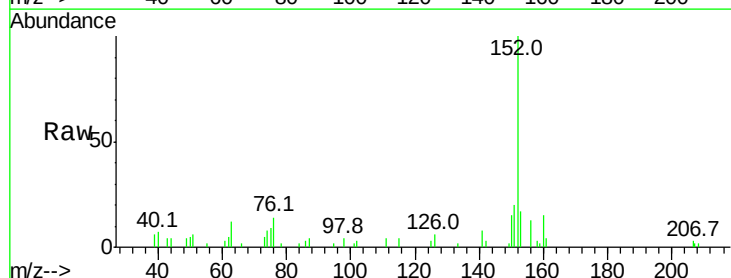
Tgt Ion:152 Resp: 25861

Ion Ratio Lower Upper

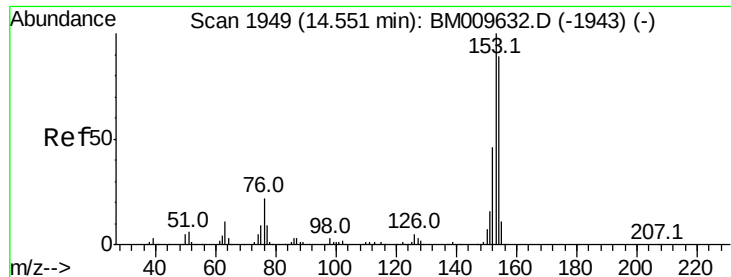
152 100

151 19.7 17.5 26.3

153 16.7 10.6 16.0#



Time-->



#9

Acenaphthene

Concen: 1.91 ng/ul

RT: 14.55 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BM009644.D

Acq: 10 Apr 2017 11:16

Instrument :

BNA_M

ClientSampleId :

CB354DL

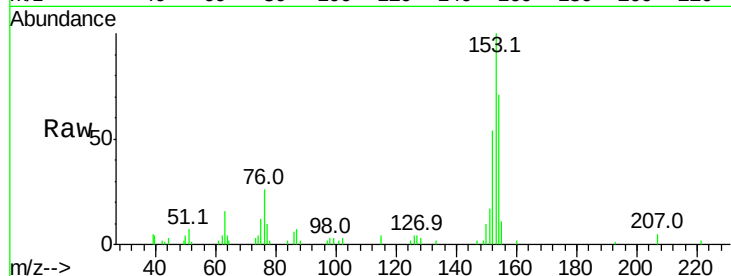
Tot Ion:153 Resp: 33670

Ion Ratio Lower Upper

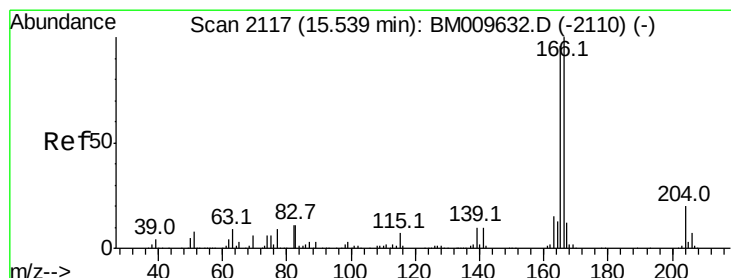
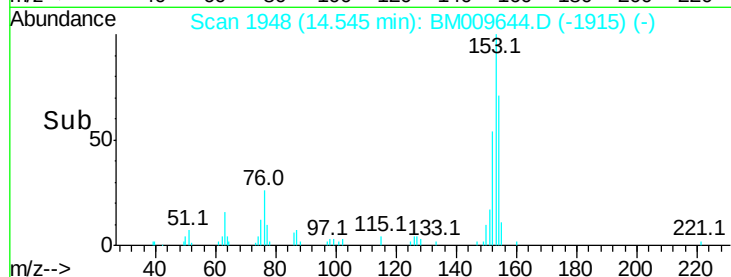
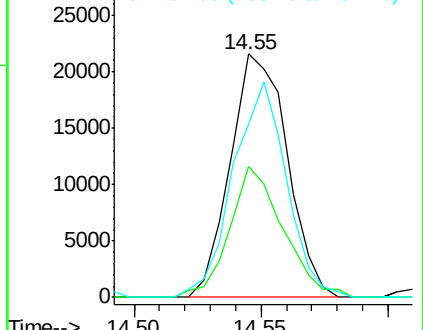
153 100

152 53.8 37.9 56.9

154 71.2 71.6 107.4#



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



#11

Fluorene

Concen: 1.91 ng/ul

RT: 15.53 min Scan# 2116

Delta R.T. -0.01 min

Lab File: BM009644.D

Acq: 10 Apr 2017 11:16

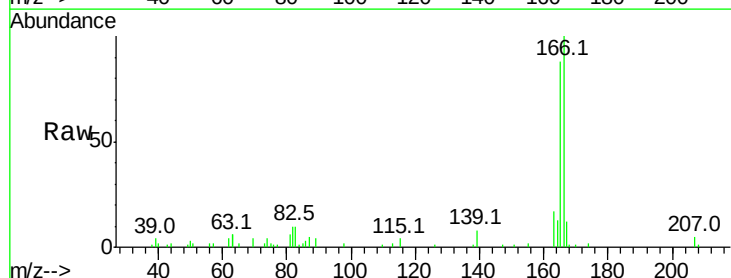
Tgt Ion:166 Resp: 41080

Ion Ratio Lower Upper

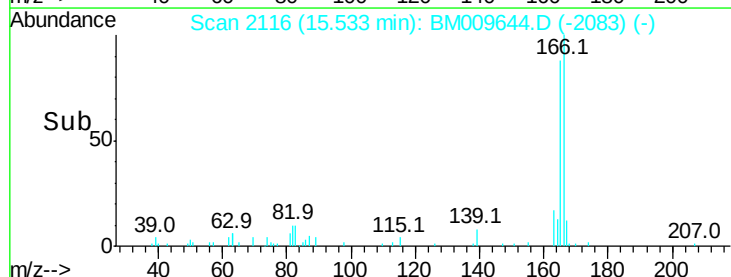
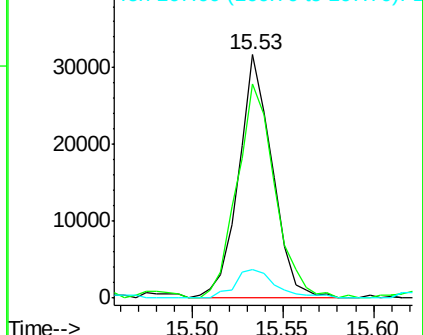
166 100

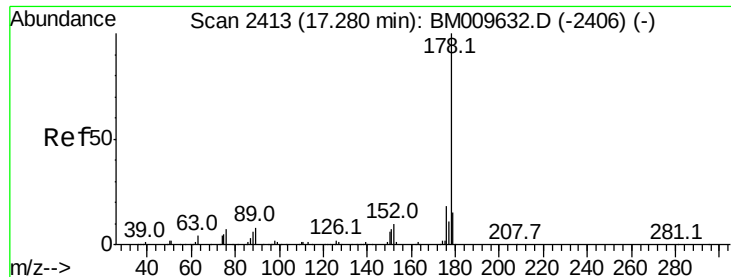
165 88.1 80.0 120.0

167 11.8 11.6 17.4



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





#14

Phenanthrene

Concen: 24.85 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. 0.00 min

Lab File: BM009644.D

Acq: 10 Apr 2017 11:16

Instrument :

BNA_M

ClientSampleId :

CB354DL

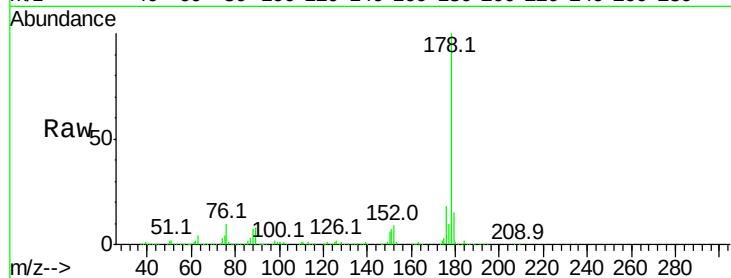
Tot Ion:178 Resp: 841531

Ion Ratio Lower Upper

178 100

179 15.1 12.2 18.4

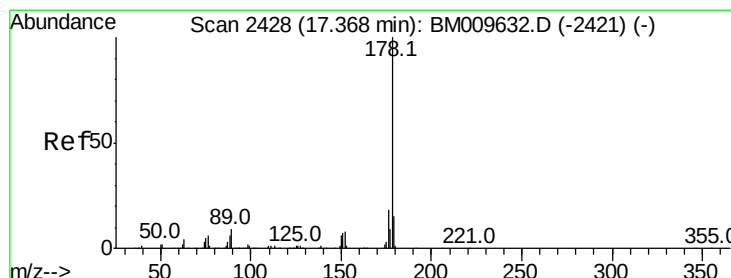
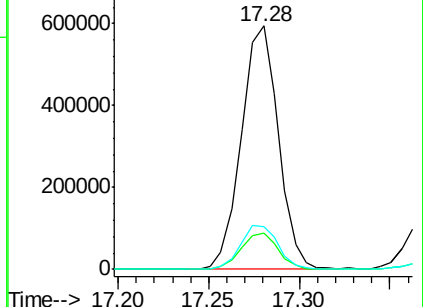
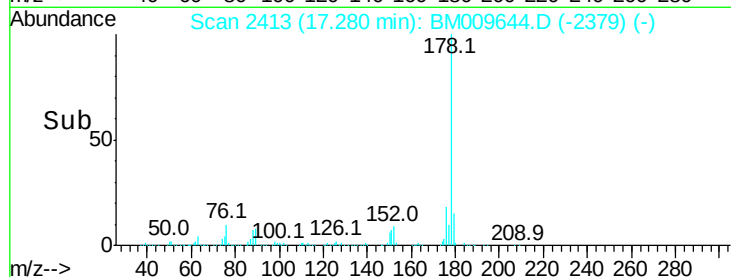
176 17.7 16.4 24.6



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: 4.64 ng/ul

RT: 17.37 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BM009644.D

Acq: 10 Apr 2017 11:16

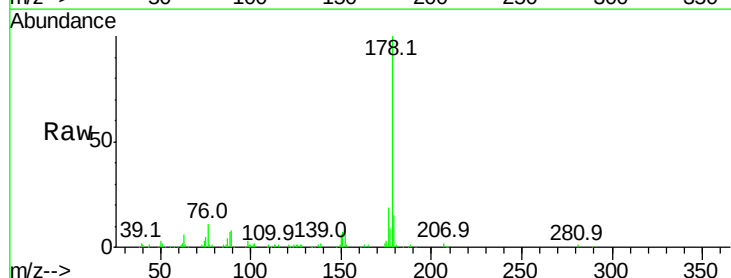
Tgt Ion:178 Resp: 162552

Ion Ratio Lower Upper

178 100

179 14.8 12.7 19.1

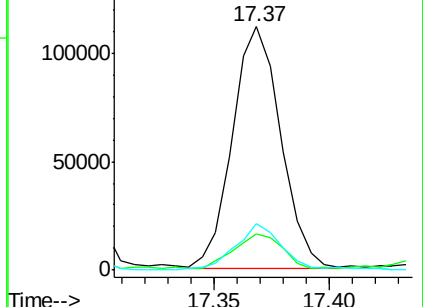
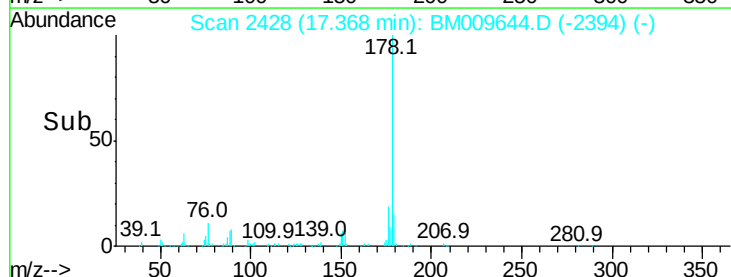
176 19.3 15.8 23.8

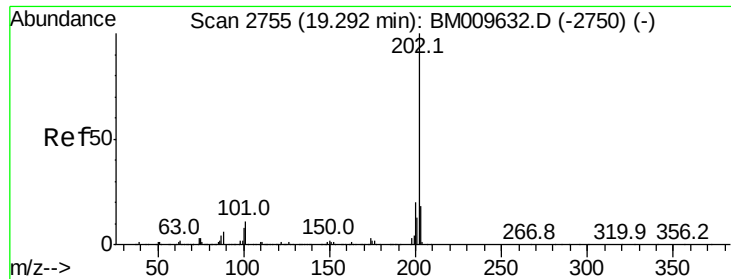


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

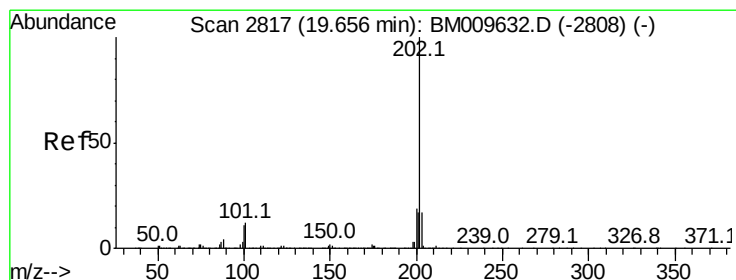
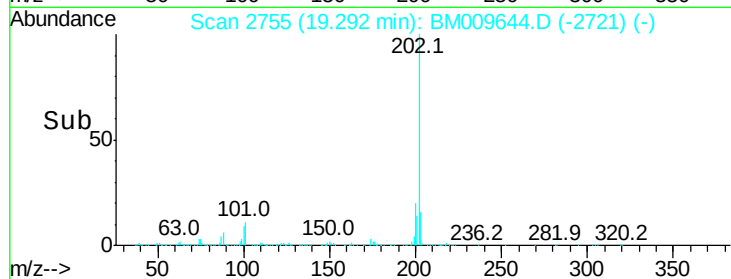
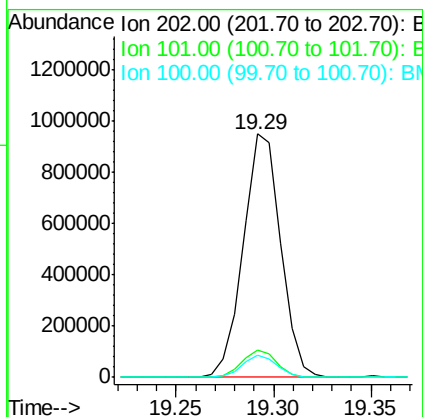
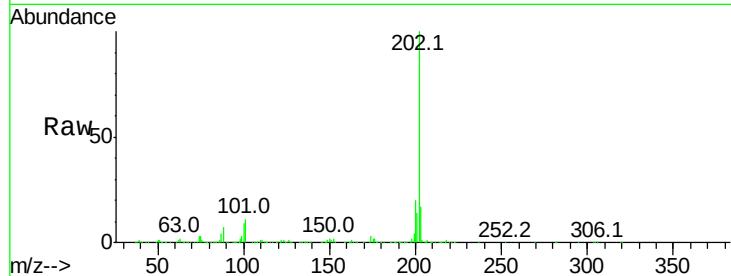




#17
 Fluoranthene
 Concen: 29.88 ng/ul
 RT: 19.29 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BM009644.D
 Acq: 10 Apr 2017 11:16

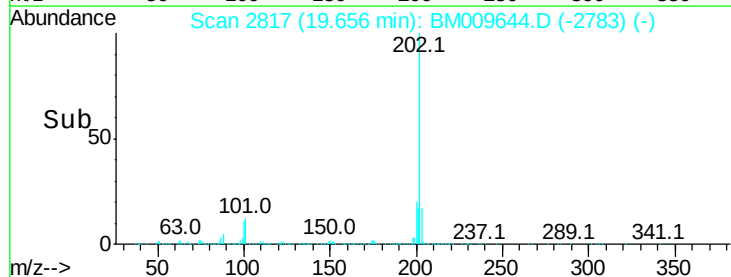
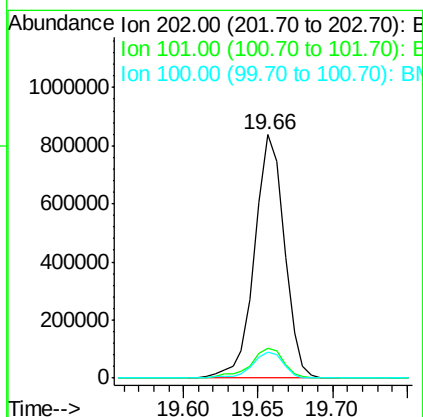
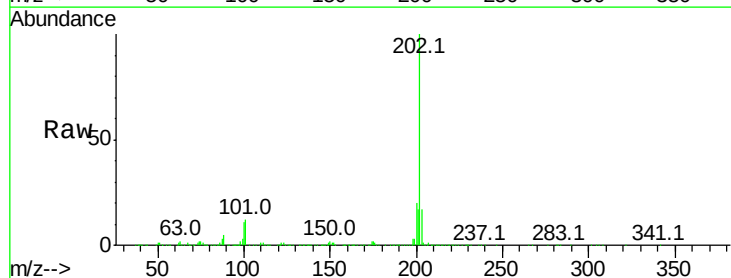
Instrument :
 BNA_M
 ClientSampleId :
 CB354DL

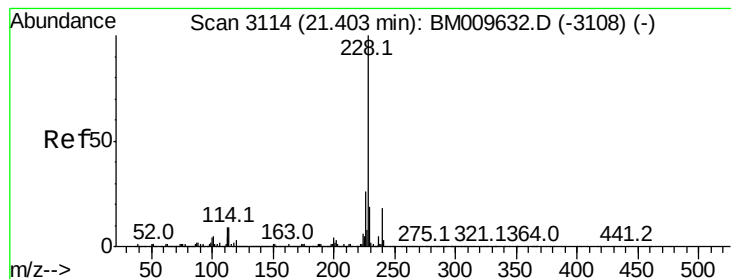
Tot Ion:202 Resp: 1260392
 Ion Ratio Lower Upper
 202 100
 101 11.3 9.8 14.8
 100 9.2 7.5 11.3



#20
 Pyrene
 Concen: 25.65 ng/ul
 RT: 19.66 min Scan# 2817
 Delta R.T. 0.00 min
 Lab File: BM009644.D
 Acq: 10 Apr 2017 11:16

Tgt Ion:202 Resp: 1151787
 Ion Ratio Lower Upper
 202 100
 101 12.3 11.2 16.8
 100 10.8 9.8 14.6





#21

Benzo(a)anthracene

Concen: 12.37 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. -0.01 min

Lab File: BM009644.D

Acq: 10 Apr 2017 11:16

Instrument :

BNA_M

ClientSampled :

CB354DL

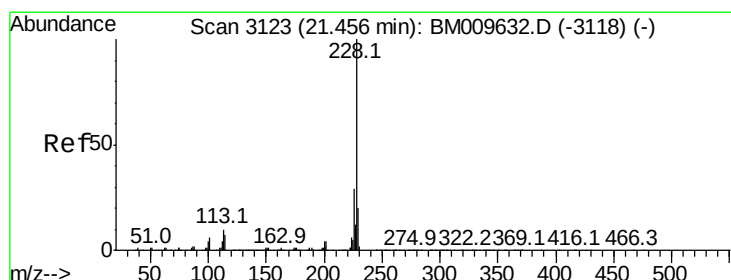
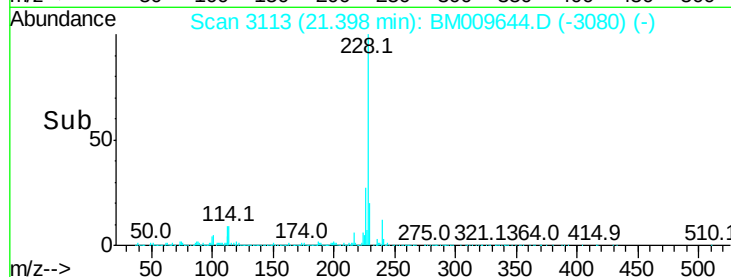
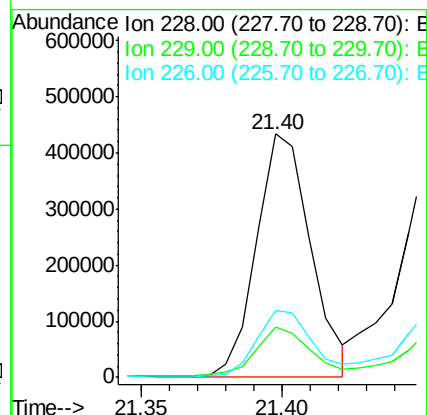
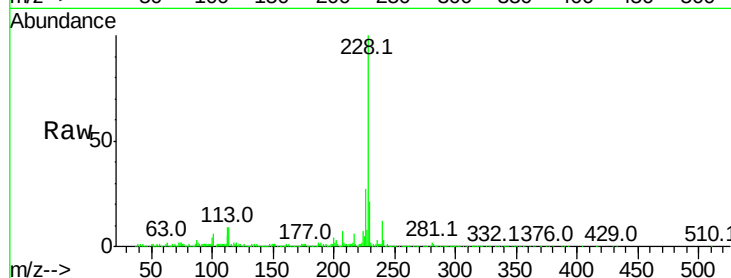
Tot Ion:228 Resp: 576870

Ion Ratio Lower Upper

228 100

229 20.7 15.9 23.9

226 27.3 22.1 33.1



#22

Chrysene

Concen: 12.76 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. -0.01 min

Lab File: BM009644.D

Acq: 10 Apr 2017 11:16

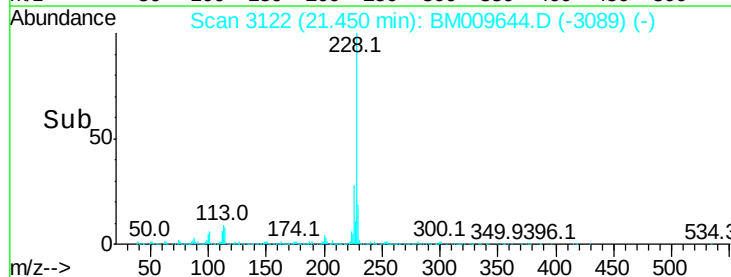
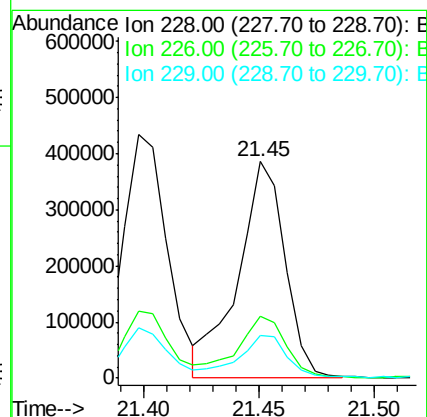
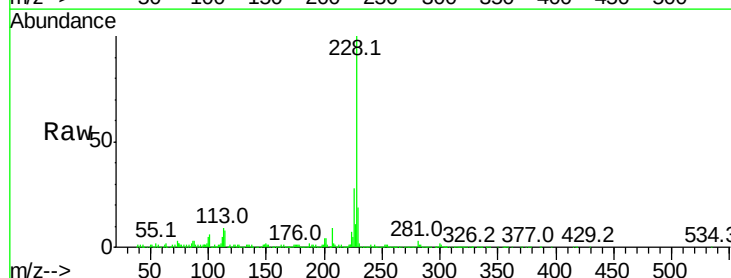
Tgt Ion:228 Resp: 545545

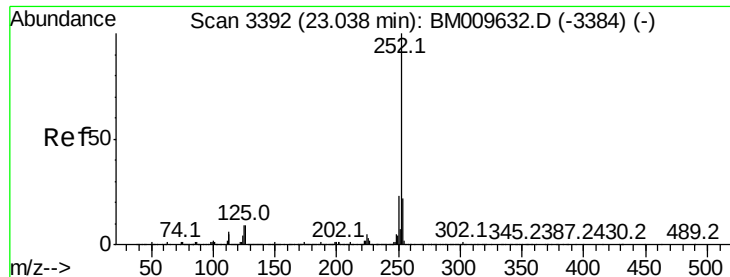
Ion Ratio Lower Upper

228 100

226 28.4 25.0 37.6

229 19.4 16.6 25.0





#24

Benzo(b)fluoranthene

Concen: 14.67 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. 0.00 min

Lab File: BM009644.D

Acq: 10 Apr 2017 11:16

Instrument :

BNA_M

ClientSampleId :

CB354DL

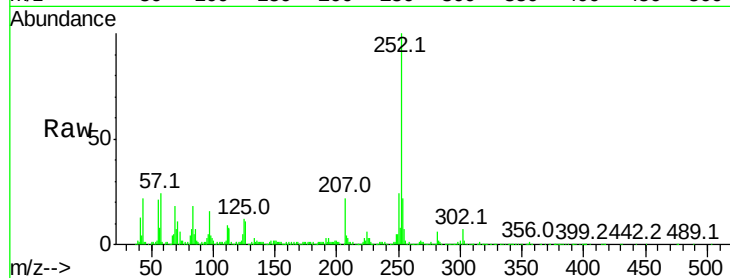
Tot Ion:252 Resp: 715074

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

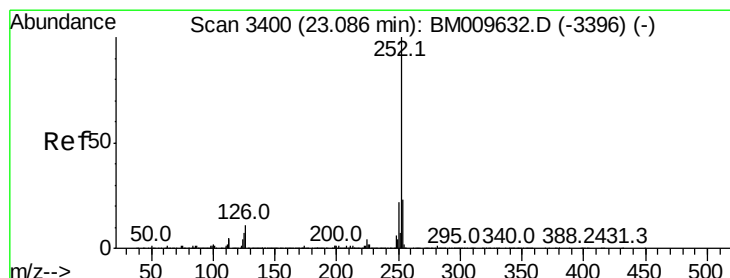
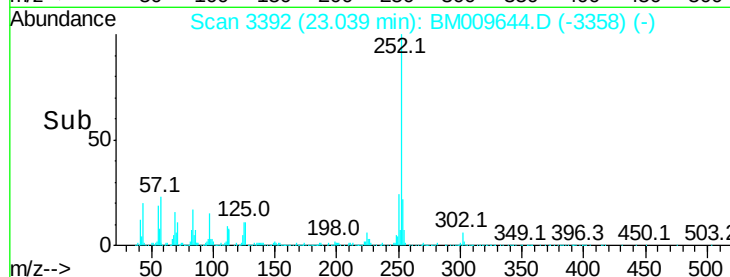
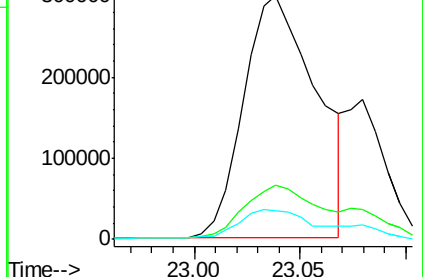
125 11.8 9.4 14.0



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: 15.39 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. -0.05 min

Lab File: BM009644.D

Acq: 10 Apr 2017 11:16

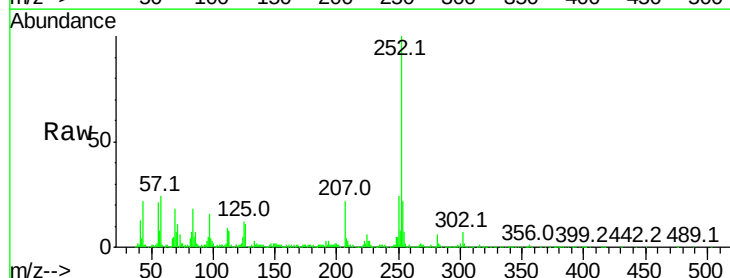
Tgt Ion:252 Resp: 715074

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

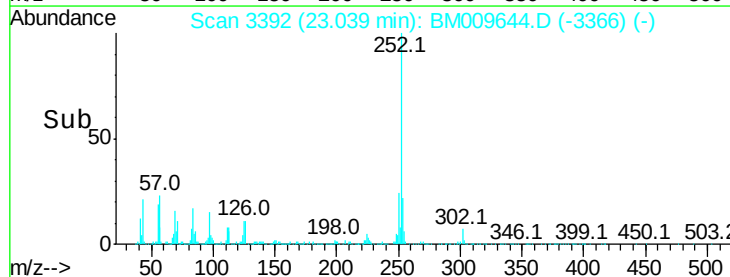
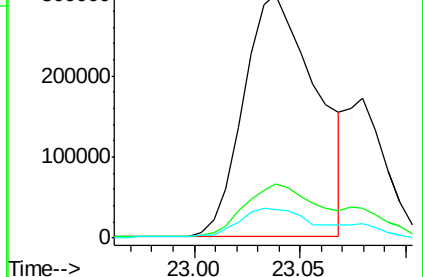
125 11.8 8.8 13.2

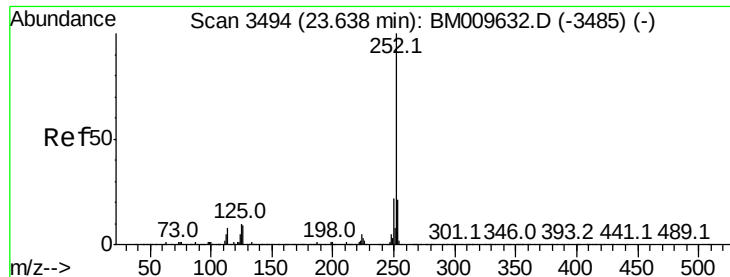


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 11.49 ng/ul

RT: 23.64 min Scan# 3494

Delta R.T. 0.00 min

Lab File: BM009644.D

Acq: 10 Apr 2017 11:16

Instrument :

BNA_M

ClientSampleId :

CB354DL

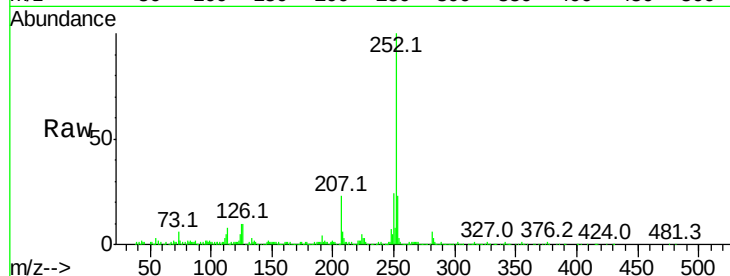
Tot Ion:252 Resp: 532769

Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

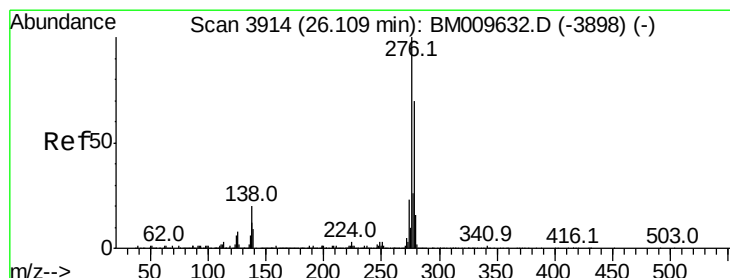
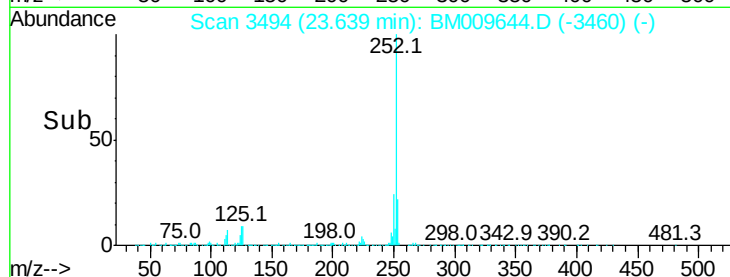
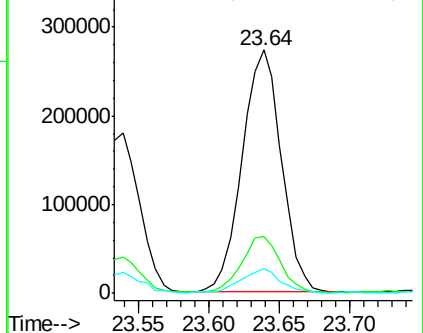
125 10.0 9.4 14.2



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: 6.82 ng/ul

RT: 26.10 min Scan# 3913

Delta R.T. -0.01 min

Lab File: BM009644.D

Acq: 10 Apr 2017 11:16

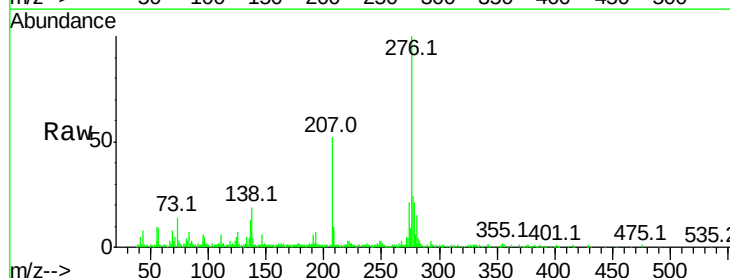
Tgt Ion:276 Resp: 354582

Ion Ratio Lower Upper

276 100

138 19.0 17.8 26.6

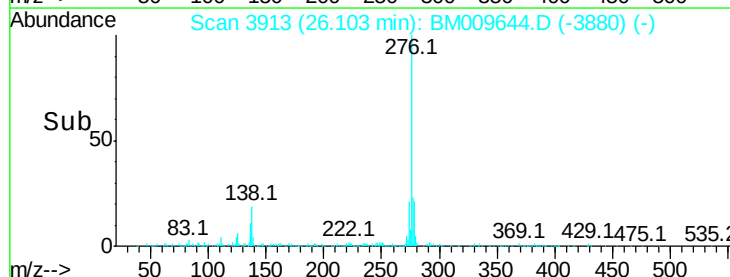
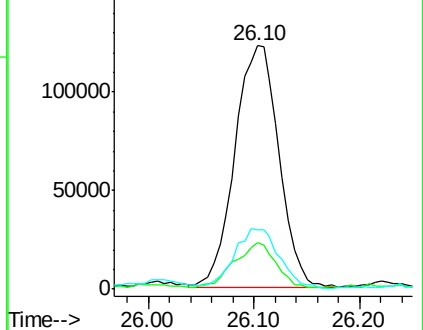
277 24.2 19.4 29.0

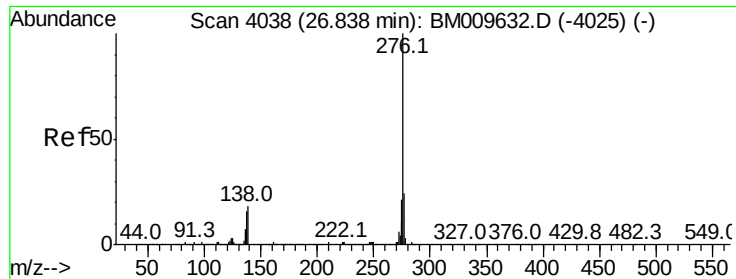


Abundance Ion 276.00 (275.70 to 276.70): E

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: 7.92 ng/ul

RT: 26.83 min Scan# 4037

Delta R.T. -0.01 min

Lab File: BM009644.D

Acq: 10 Apr 2017 11:16

Instrument :

BNA_M

ClientSampleId :

CB354DL

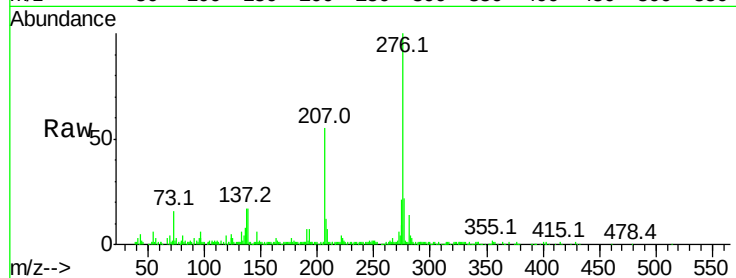
Tot Ion:276 Resp: 339164

Ion Ratio Lower Upper

276 100

138 17.0 19.0 28.4#

277 21.7 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

