

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040817\
 Data File : BM009637.D
 Acq On : 07 Apr 2017 20:02
 Operator : SJ/MA
 Sample : I2525-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB353

Quant Time: Apr 08 01:45:55 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Apr 08 01:45:48 2017
 Response via : Initial Calibration

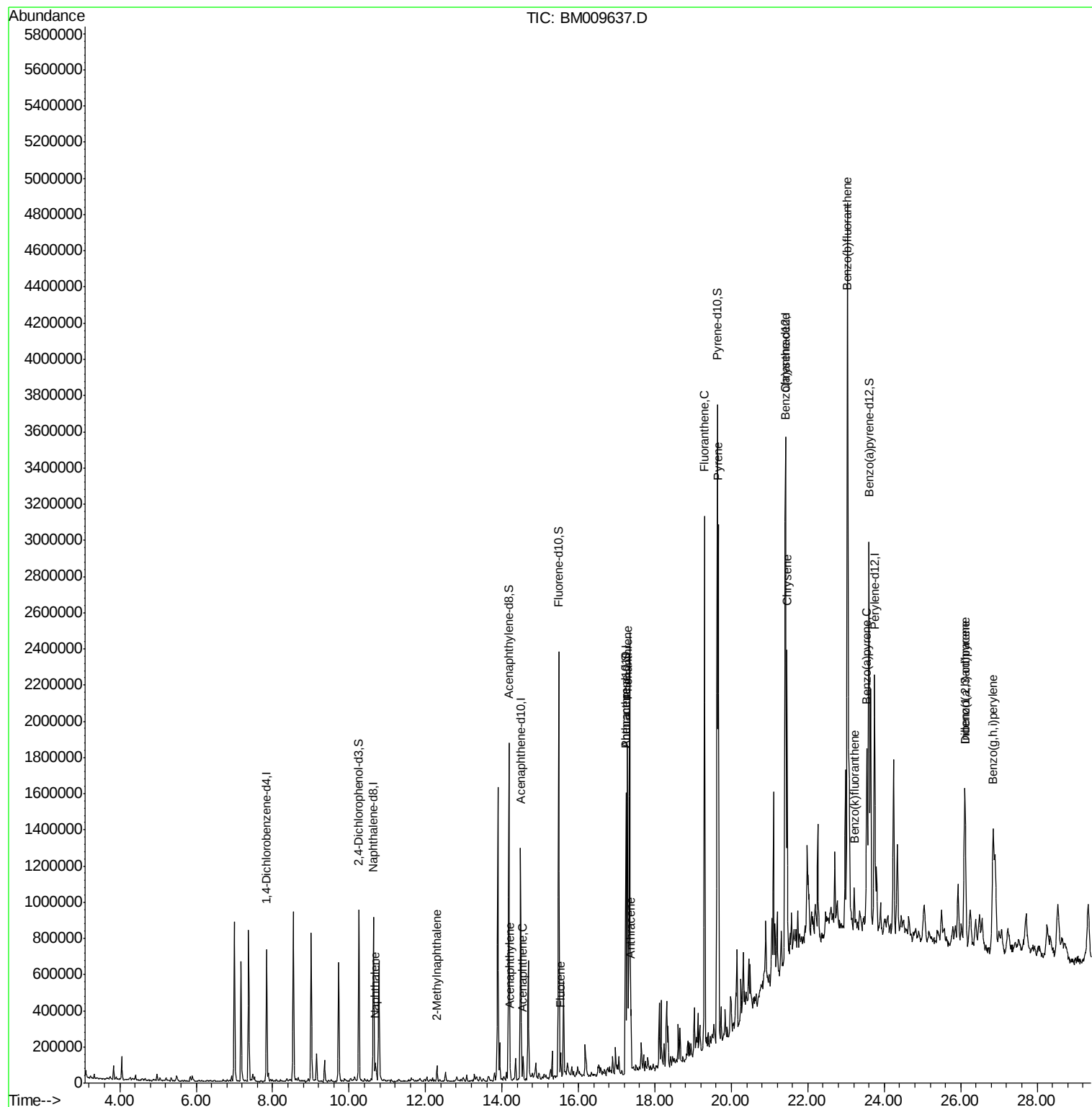
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	170354	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	656236	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	374191	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.24	188	852938	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1066743	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	1036971	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.26	165	303023	30.03	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	1193247	32.54	ng/ul	0.00
10) Fluorene-d10	15.48	176	826382	31.33	ng/ul	0.00
15) Anthracene-d10	17.24	188	852938	20.90	ng/ul	-0.09
19) Pyrene-d10	19.63	212	1530330	34.91	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.60	264	1500404	32.77	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.69	128	62040	1.84	ng/ul	94
5) 2-Methylnaphthalene	12.30	142	35154	1.43	ng/ul	99
8) Acenaphthylene	14.21	152	37197	1.01	ng/ul	99
9) Acenaphthene	14.55	153	46127	1.82	ng/ul	91
11) Fluorene	15.53	166	50639	1.64	ng/ul	86
14) Phenanthrene	17.28	178	982024	20.48	ng/ul	98
16) Anthracene	17.37	178	212154	4.28	ng/ul	97
17) Fluoranthene	19.30	202	1688392	28.27	ng/ul#	95
20) Pyrene	19.66	202	1611127	27.74	ng/ul	96
21) Benzo(a)anthracene	21.40	228	885758	14.69	ng/ul	99
22) Chrysene	21.46	228	924663	16.73	ng/ul	97
24) Benzo(b)fluoranthene	23.04	252	1421550	22.17	ng/ul	98
25) Benzo(k)fluoranthene	23.22	252	153417	2.51	ng/ul	97
27) Benzo(a)pyrene	23.54	252	722054	11.84	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	26.11	276	744899	10.90	ng/ul#	94
29) Dibenzo(a,h)anthracene	26.11	278	207394	3.57	ng/ul	93
30) Benzo(g,h,i)perylene	26.84	276	810341	14.38	ng/ul#	93

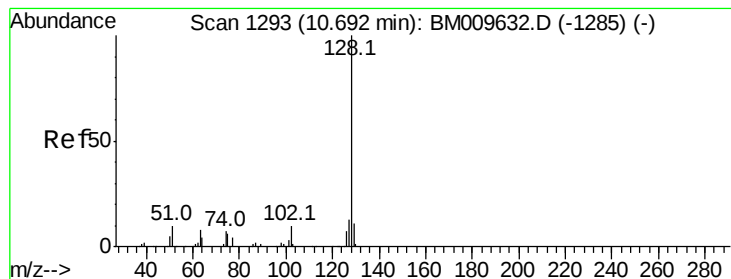
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.84 ng/ul

RT: 10.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BM009637.D

Acq: 07 Apr 2017 20:02

Instrument :

BNA_M

ClientSampled :

CB353

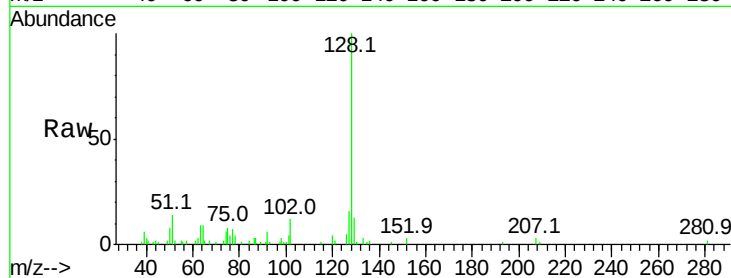
Tot Ion:128 Resp: 62040

Ion Ratio Lower Upper

128 100

129 13.1 9.1 13.7

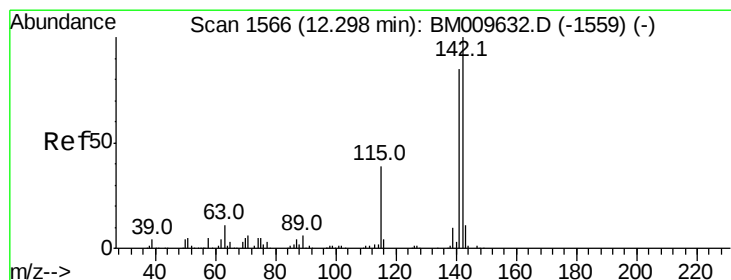
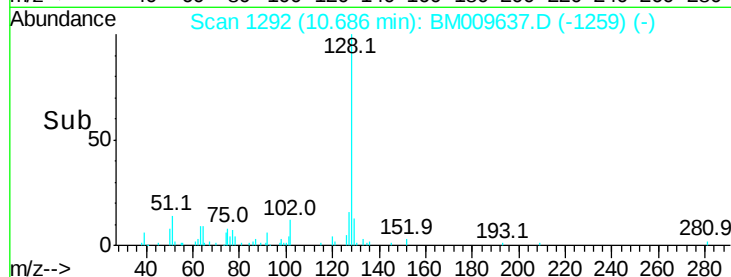
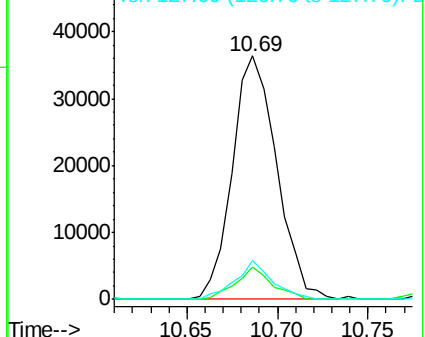
127 15.8 10.6 15.8



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



#5

2-Methylnaphthalene

Concen: 1.43 ng/ul

RT: 12.30 min Scan# 1566

Delta R.T. -0.00 min

Lab File: BM009637.D

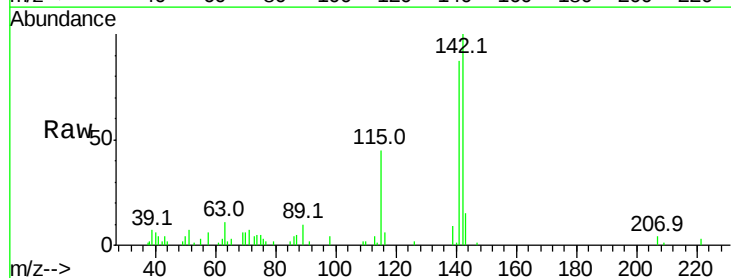
Acq: 07 Apr 2017 20:02

Tgt Ion:142 Resp: 35154

Ion Ratio Lower Upper

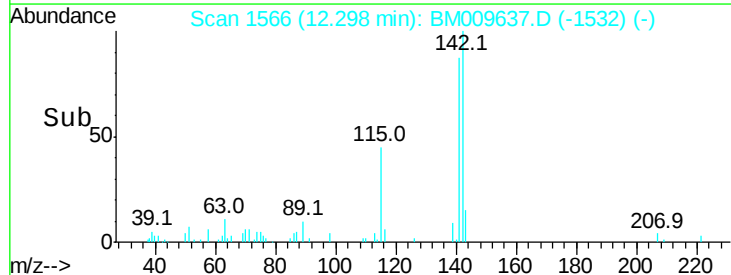
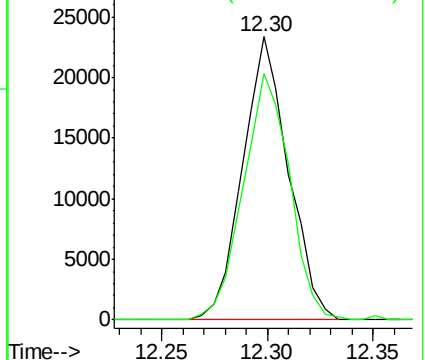
142 100

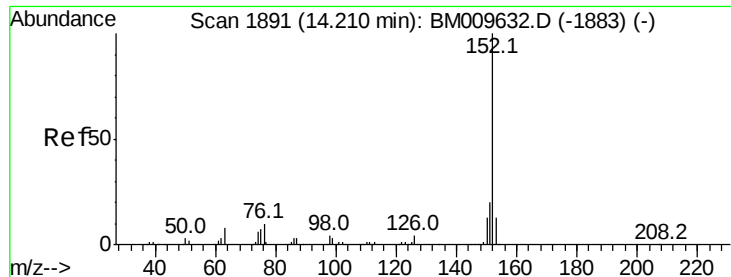
141 86.8 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 1.01 ng/ul

RT: 14.21 min Scan# 1891

Delta R.T. -0.00 min

Lab File: BM009637.D

Acq: 07 Apr 2017 20:02

Instrument :

BNA_M

ClientSampleId :

CB353

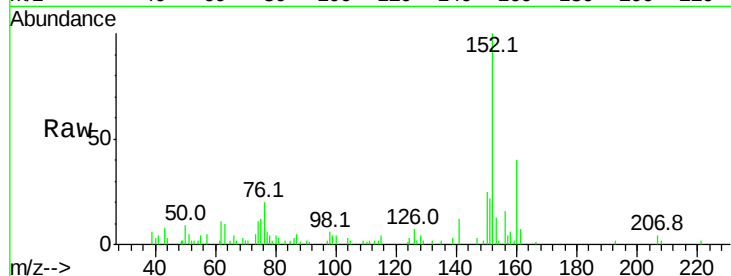
Tot Ion:152 Resp: 37197

Ion Ratio Lower Upper

152 100

151 21.6 17.5 26.3

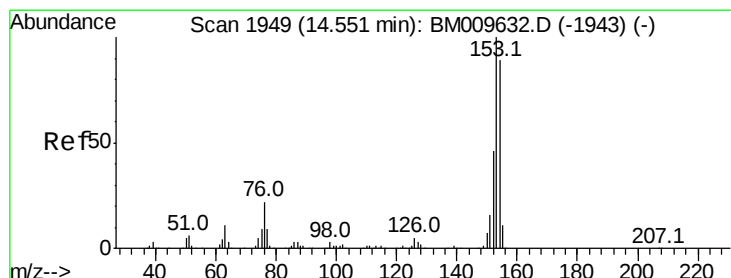
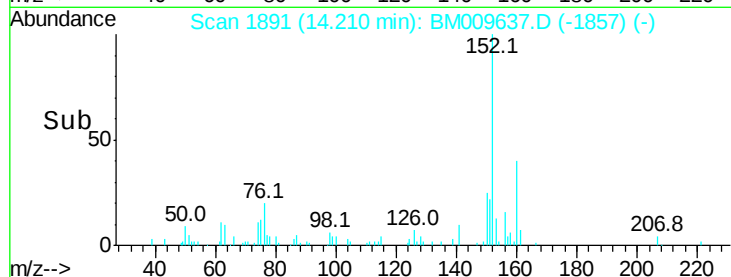
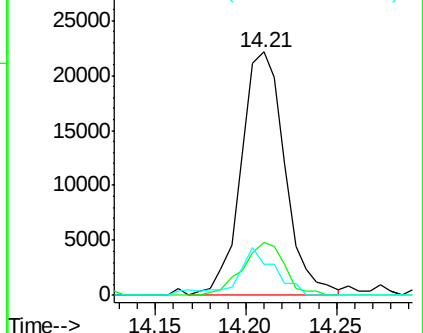
153 12.7 10.6 16.0



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



#9

Acenaphthene

Concen: 1.82 ng/ul

RT: 14.55 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BM009637.D

Acq: 07 Apr 2017 20:02

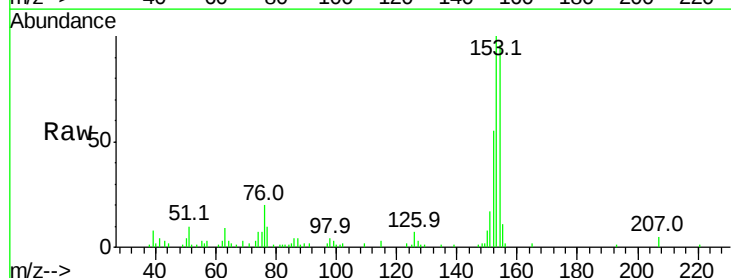
Tgt Ion:153 Resp: 46127

Ion Ratio Lower Upper

153 100

152 54.7 37.9 56.9

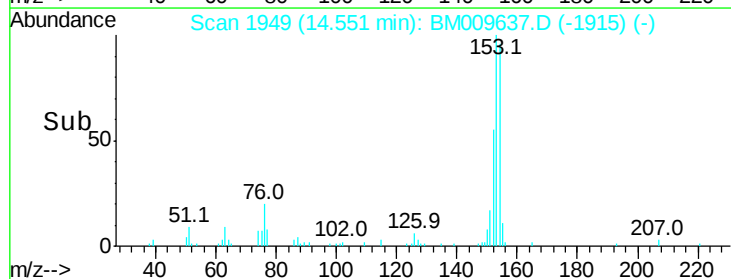
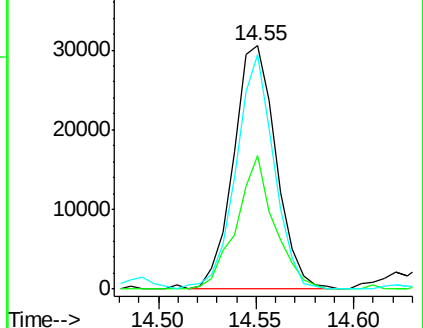
154 96.4 71.6 107.4

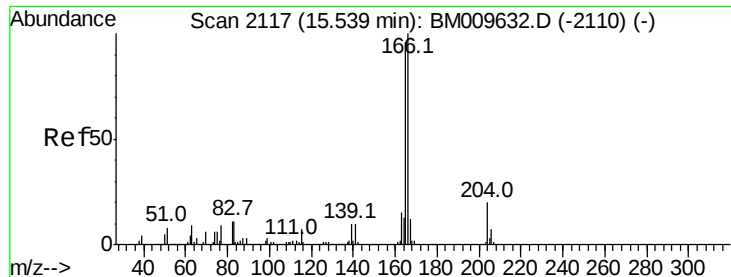


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 1.64 ng/ul

RT: 15.53 min Scan# 2116

Delta R.T. -0.01 min

Lab File: BM009637.D

Acq: 07 Apr 2017 20:02

Instrument :

BNA_M

ClientSampleId :

CB353

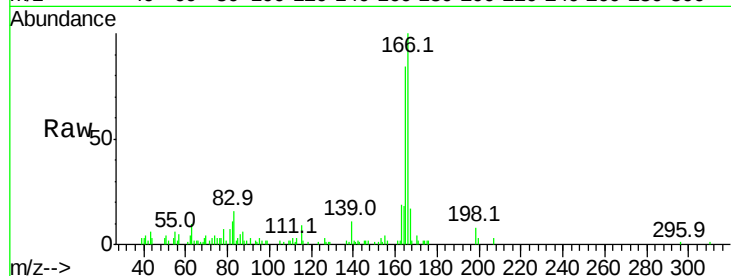
Tot Ion:166 Resp: 50639

Ion Ratio Lower Upper

166 100

165 84.5 80.0 120.0

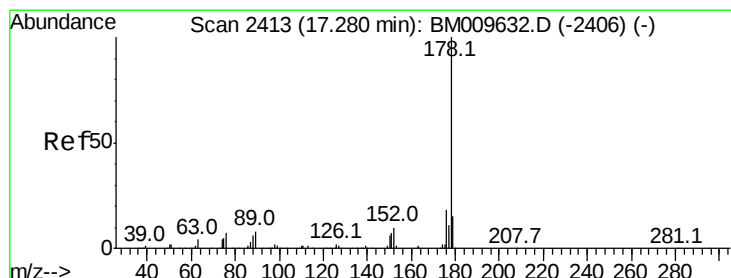
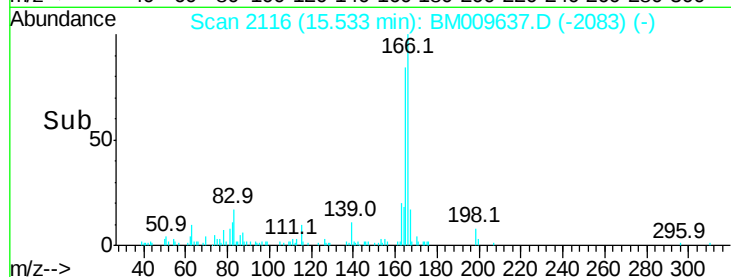
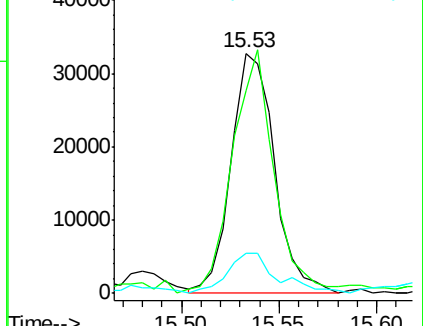
167 16.8 11.6 17.4



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: 20.48 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. -0.00 min

Lab File: BM009637.D

Acq: 07 Apr 2017 20:02

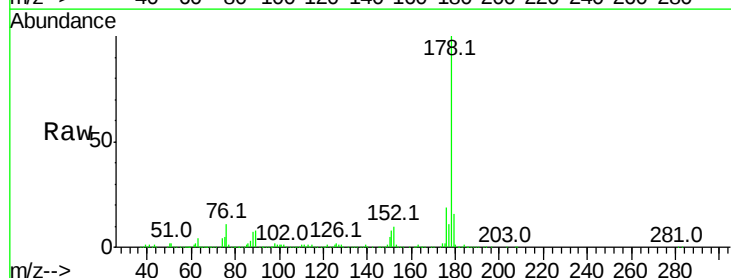
Tgt Ion:178 Resp: 982024

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.4

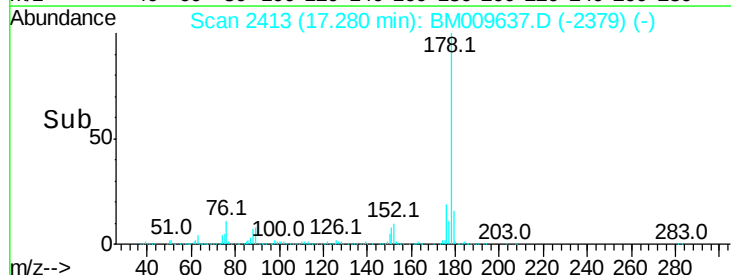
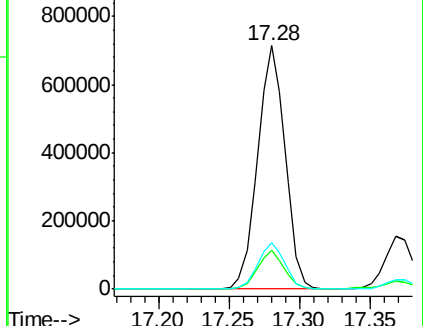
176 19.0 16.4 24.6

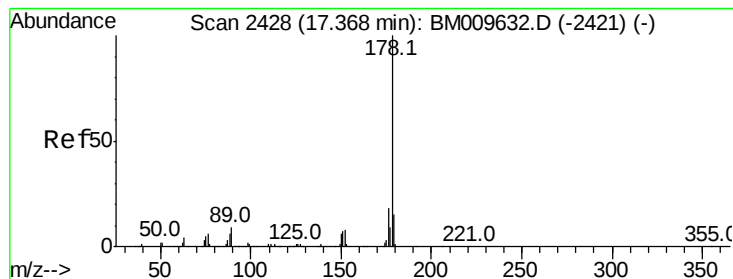


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Anthracene

Concen: 4.28 ng/ul

RT: 17.37 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BM009637.D

Acq: 07 Apr 2017 20:02

Instrument :

BNA_M

ClientSampleId :

CB353

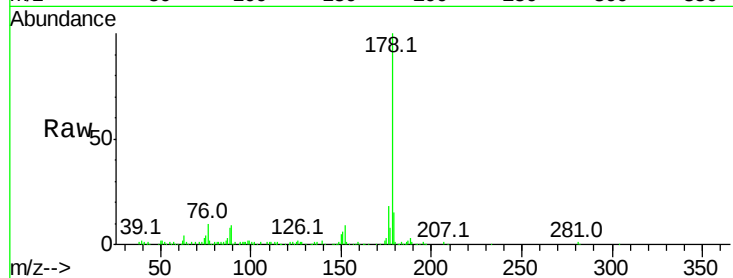
Tot Ion:178 Resp: 212154

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.7	19.1
176	17.9	15.8	23.8

178 100

179 14.9 12.7 19.1

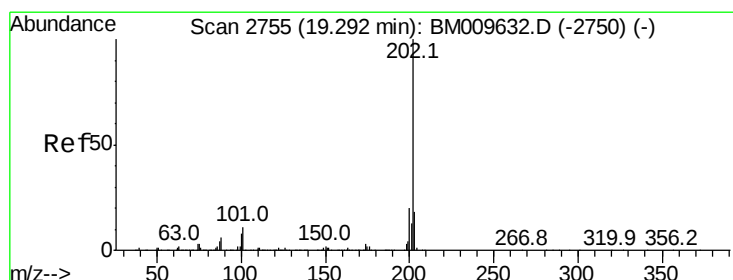
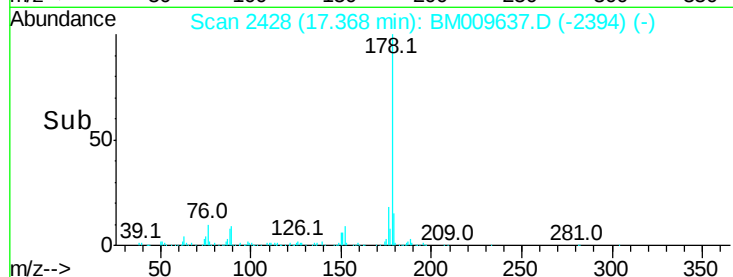
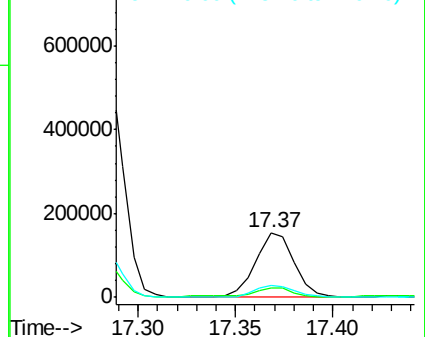
176 17.9 15.8 23.8



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: 28.27 ng/ul

RT: 19.30 min Scan# 2756

Delta R.T. 0.01 min

Lab File: BM009637.D

Acq: 07 Apr 2017 20:02

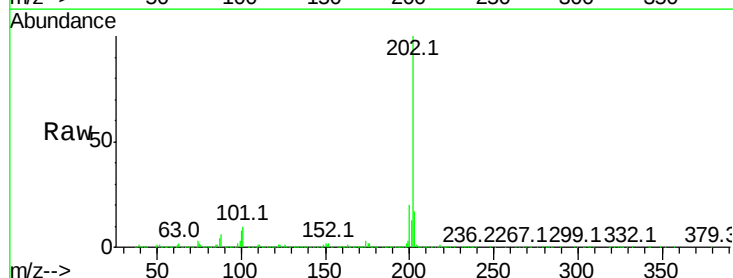
Tgt Ion:202 Resp: 1688392

Ion	Ratio	Lower	Upper
202	100		
101	9.8	9.8	14.8#
100	8.2	7.5	11.3

202 100

101 9.8 9.8 14.8#

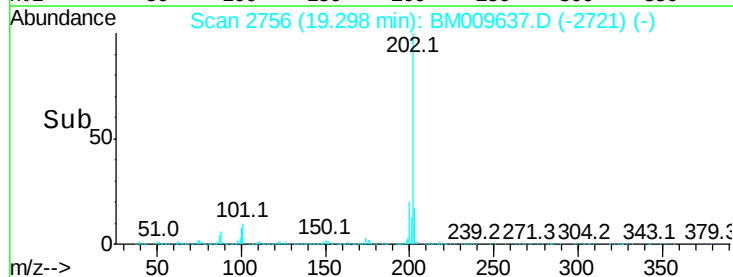
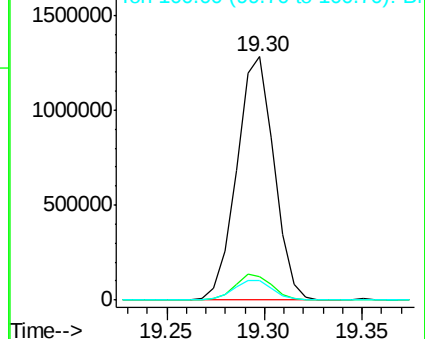
100 8.2 7.5 11.3

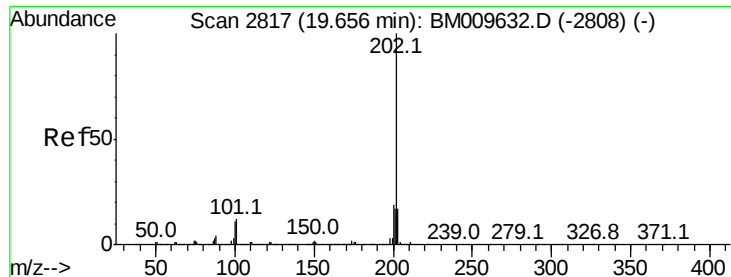


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

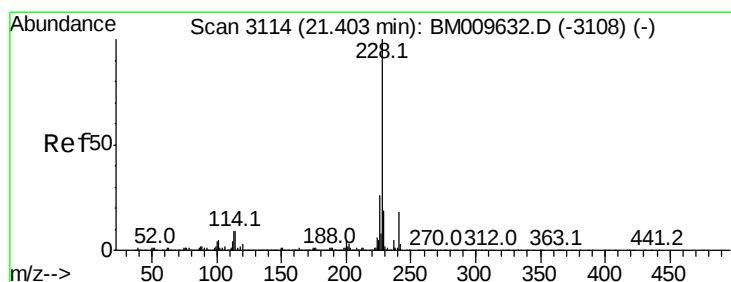
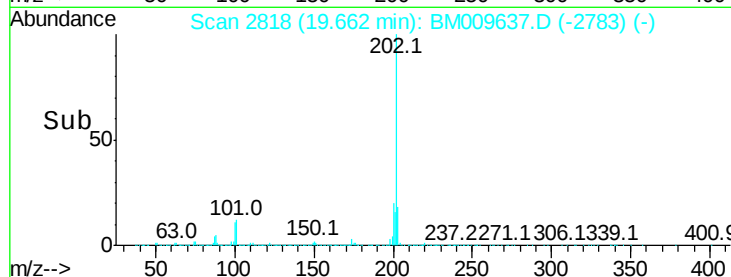
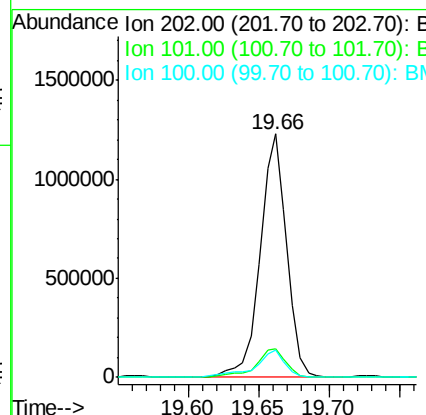
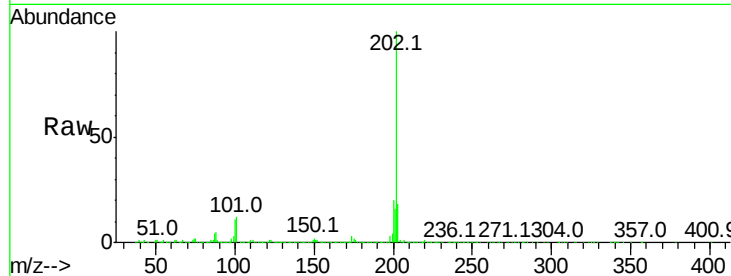




#20
Pvrene
Concen: 27.74 ng/ul
RT: 19.66 min Scan# 2818
Delta R.T. 0.01 min
Lab File: BM009637.D
Acq: 07 Apr 2017 20:02

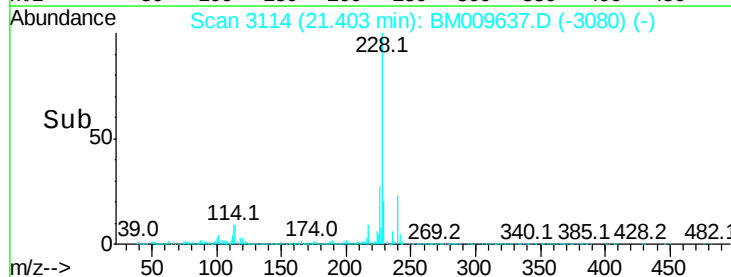
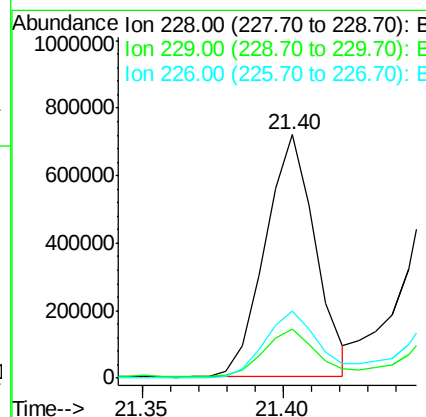
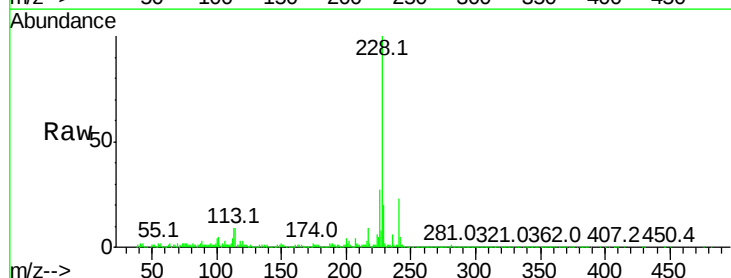
Instrument :
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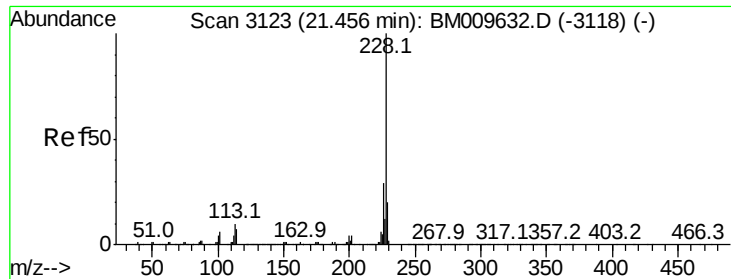
Tot Ion:202 Resp: 1611127
Ion Ratio Lower Upper
202 100
101 11.8 11.2 16.8
100 11.0 9.8 14.6



#21
Benzo(a)anthracene
Concen: 14.69 ng/ul
RT: 21.40 min Scan# 3114
Delta R.T. -0.00 min
Lab File: BM009637.D
Acq: 07 Apr 2017 20:02

Tgt Ion:228 Resp: 885758
Ion Ratio Lower Upper
228 100
229 20.2 15.9 23.9
226 27.3 22.1 33.1





#22

Chrysene

Concen: 16.73 ng/ul

RT: 21.46 min Scan# 3123

Delta R.T. -0.00 min

Lab File: BM009637.D

Acq: 07 Apr 2017 20:02

Instrument :

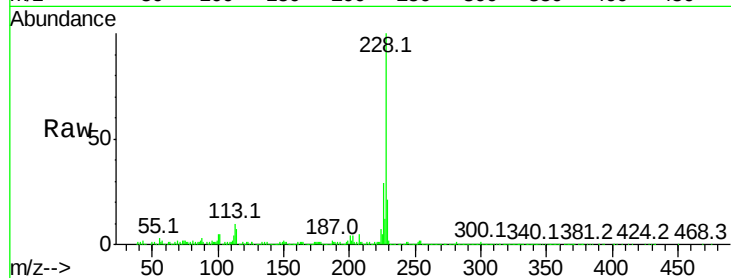
BNA_M

ClientSampleId :

CB353

Tot Ion:228 Resp: 924663

Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.0	37.6
229	21.1	16.6	25.0

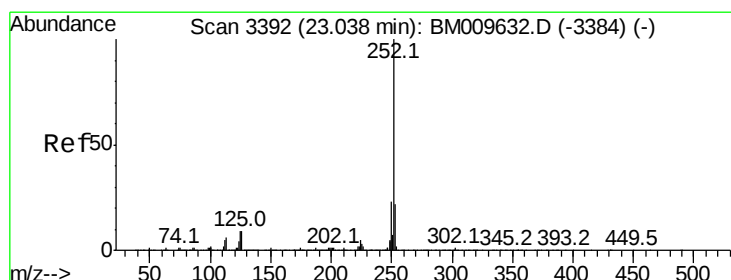
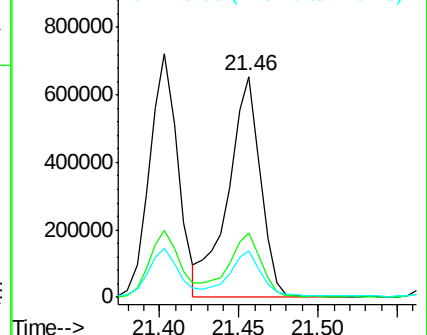
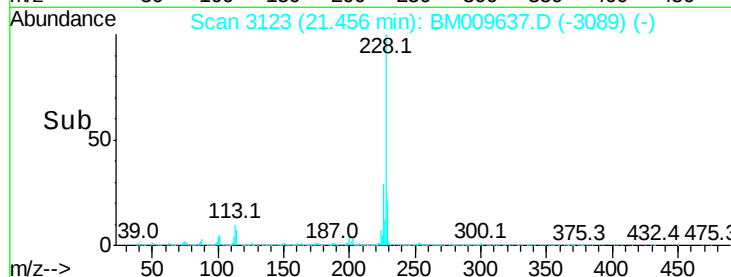


Abundance

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: 22.17 ng/ul

RT: 23.04 min Scan# 3393

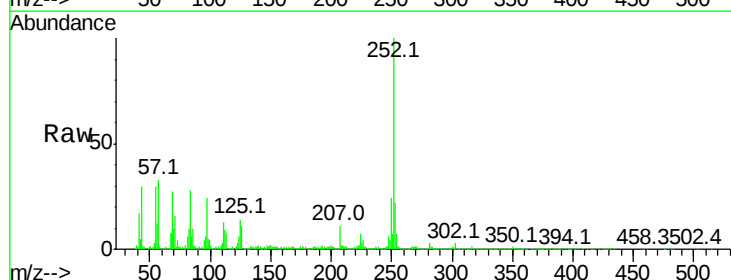
Delta R.T. 0.01 min

Lab File: BM009637.D

Acq: 07 Apr 2017 20:02

Tgt Ion:252 Resp: 1421550

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	13.8	9.4	14.0

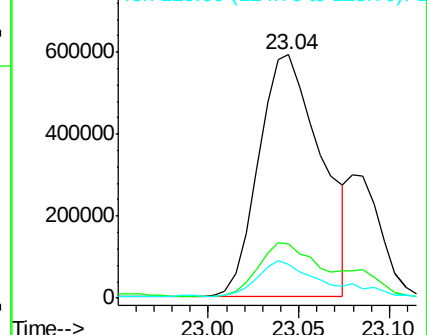
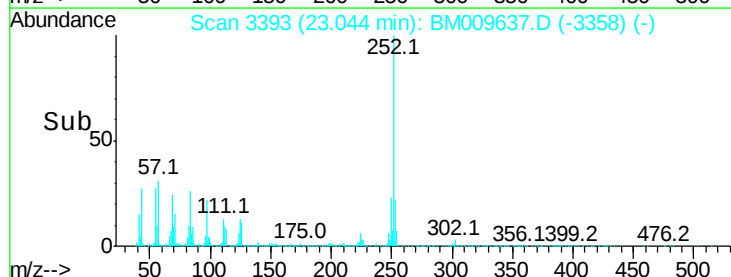


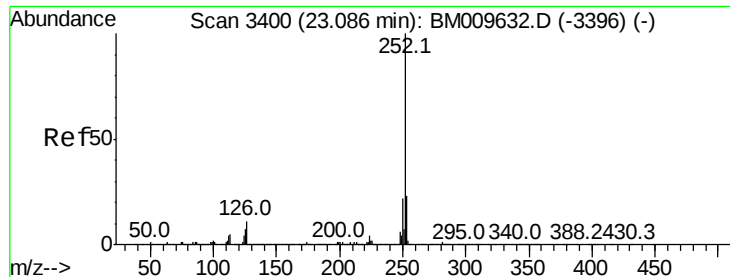
Abundance

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: 2.51 ng/ul

RT: 23.22 min Scan# 3423

Delta R.T. 0.14 min

Lab File: BM009637.D

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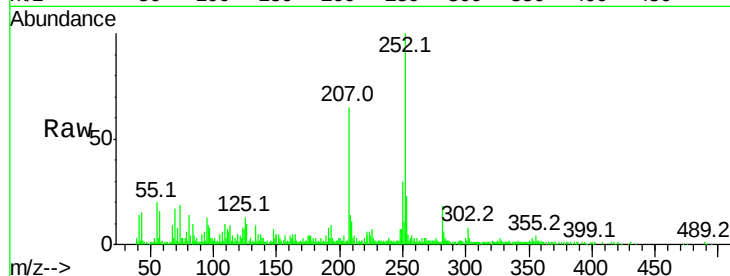
Tot Ion:252 Resp: 153417

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

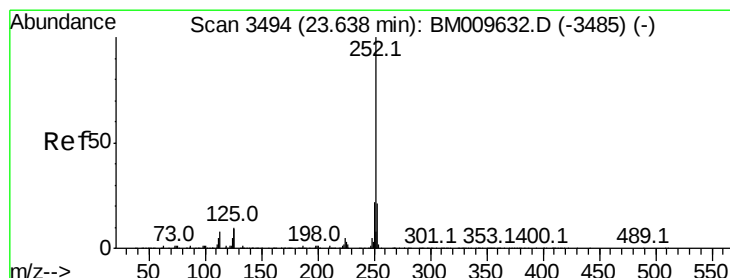
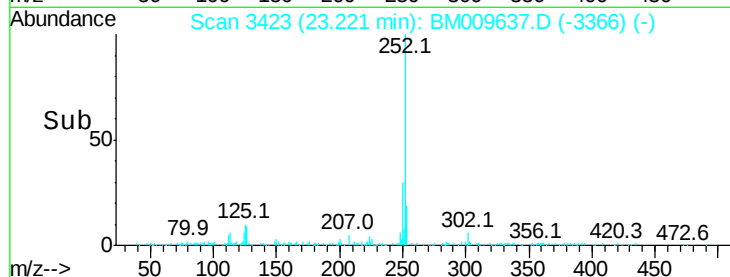
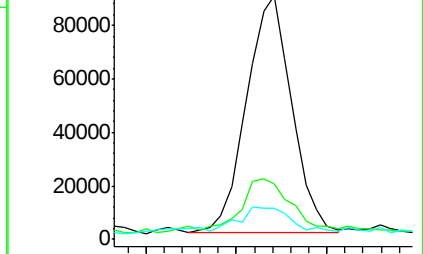
125 12.6 8.8 13.2



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: 11.84 ng/ul

RT: 23.54 min Scan# 3478

Delta R.T. -0.09 min

Lab File: BM009637.D

Acq: 07 Apr 2017 20:02

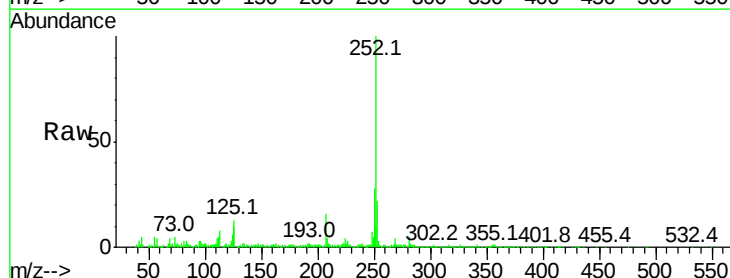
Tgt Ion:252 Resp: 722054

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

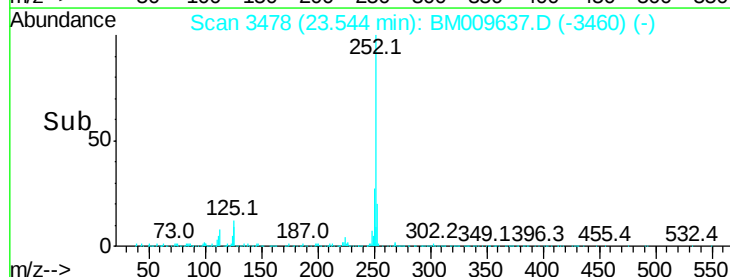
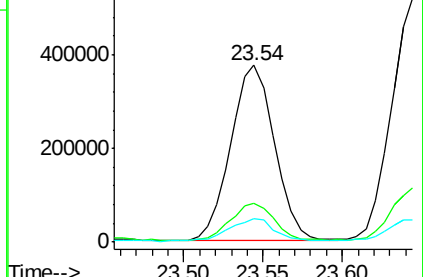
125 13.0 9.4 14.2

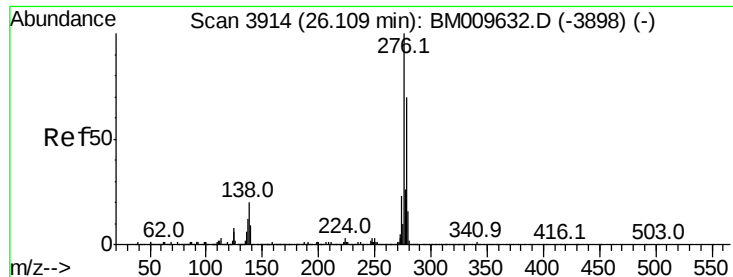


Abundance Ion 252.00 (251.70 to 252.70): E

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: 10.90 ng/ul

RT: 26.11 min Scan# 3915

Delta R.T. 0.01 min

Lab File: BM009637.D

Acq: 07 Apr 2017 20:02

Instrument :

BNA_M

ClientSampleId :

CB353

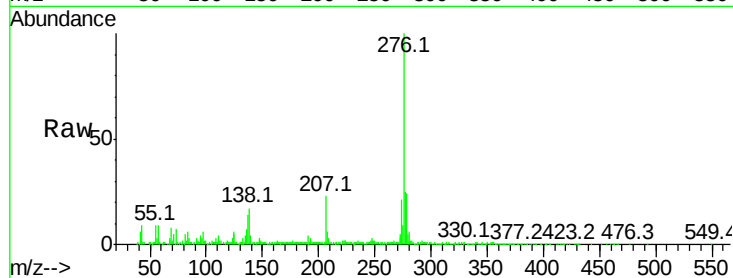
Tot Ion:276 Resp: 744899

Ion Ratio Lower Upper

276 100

138 17.3 17.8 26.6#

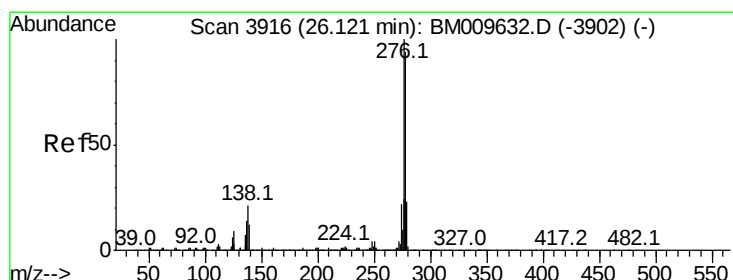
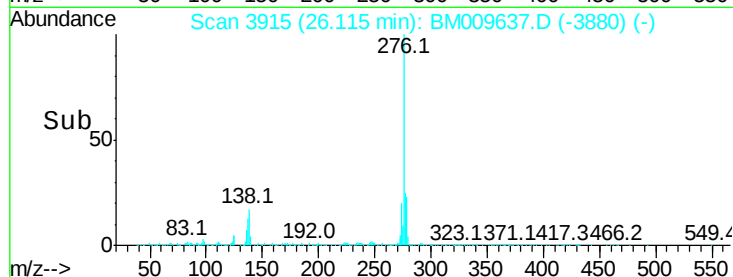
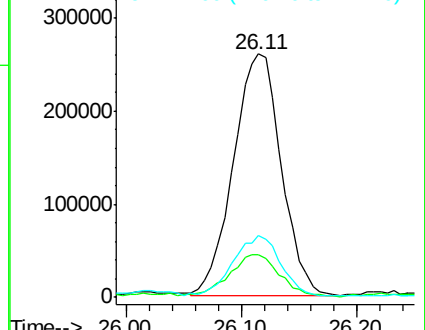
277 25.4 19.4 29.0



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



#29

Dibenzo(a,h)anthracene

Concen: 3.57 ng/ul

RT: 26.11 min Scan# 3915

Delta R.T. -0.01 min

Lab File: BM009637.D

Acq: 07 Apr 2017 20:02

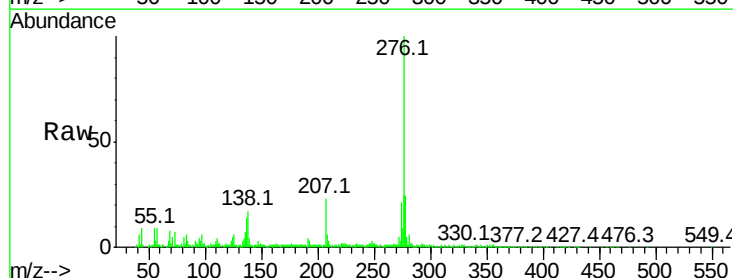
Tgt Ion:278 Resp: 207394

Ion Ratio Lower Upper

278 100

139 20.8 14.0 21.0

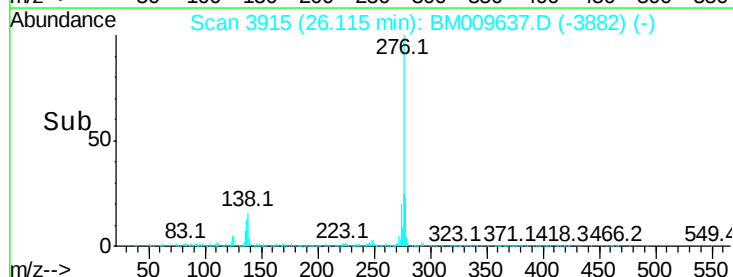
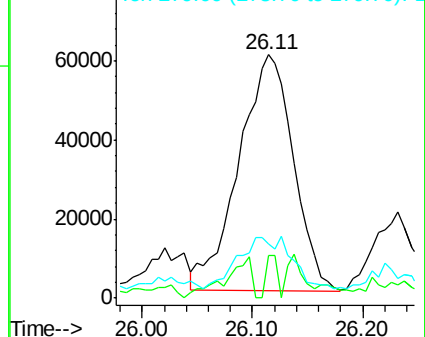
279 22.4 20.6 31.0

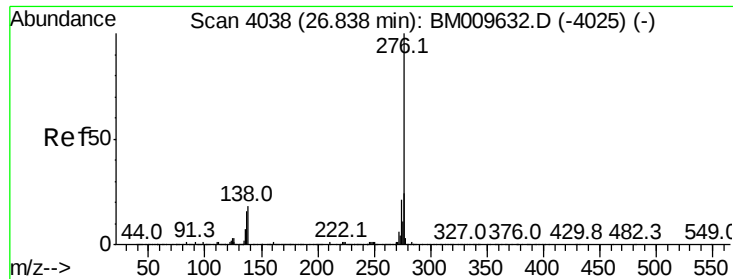


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#30

Benzo(a,h,i)perylene

Concen: 14.38 ng/ul

RT: 26.84 min Scan# 4039

Delta R.T. 0.01 min

Lab File: BM009637.D

Acq: 07 Apr 2017 20:02

Instrument :

BNA_M

ClientSampleId :

CB353

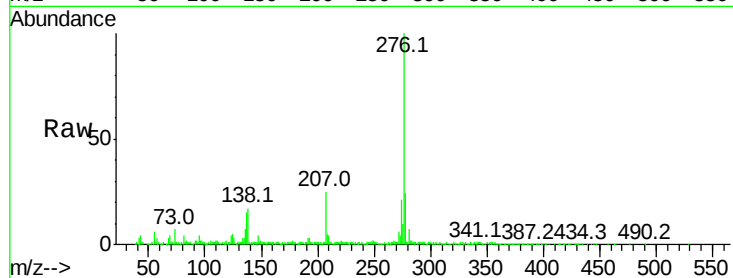
Tot Ion:276 Resp: 810341

Ion Ratio Lower Upper

276 100

138 17.4 19.0 28.4#

277 24.1 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

