

Data Path : Z:\HPCHEM1\BNA_M\Data\BM040717\
 Data File : BM009590.D
 Acq On : 06 Apr 2017 13:00
 Operator : SJ/MA
 Sample : I2524-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB331

Quant Time: Apr 06 13:41:32 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 06 10:55:00 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	124432	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	492102	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	286797	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	676294	20.00	ng/ul	0.00
18) Chrysene-d12	21.41	240	964994	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	930840	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2,4-Dichlorophenol-d3	10.25	165	167574	22.15	ng/uL	0.00
7) Acenaphthylene-d8	14.17	160	688963	24.51	ng/ul	0.00
10) Fluorene-d10	15.48	176	519878	25.72	ng/ul	0.00
15) Anthracene-d10	17.33	188	856798	26.48	ng/ul	0.00
19) Pyrene-d10	19.63	212	1101319	27.77	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.59	264	1189656	28.95	ng/ul	0.00

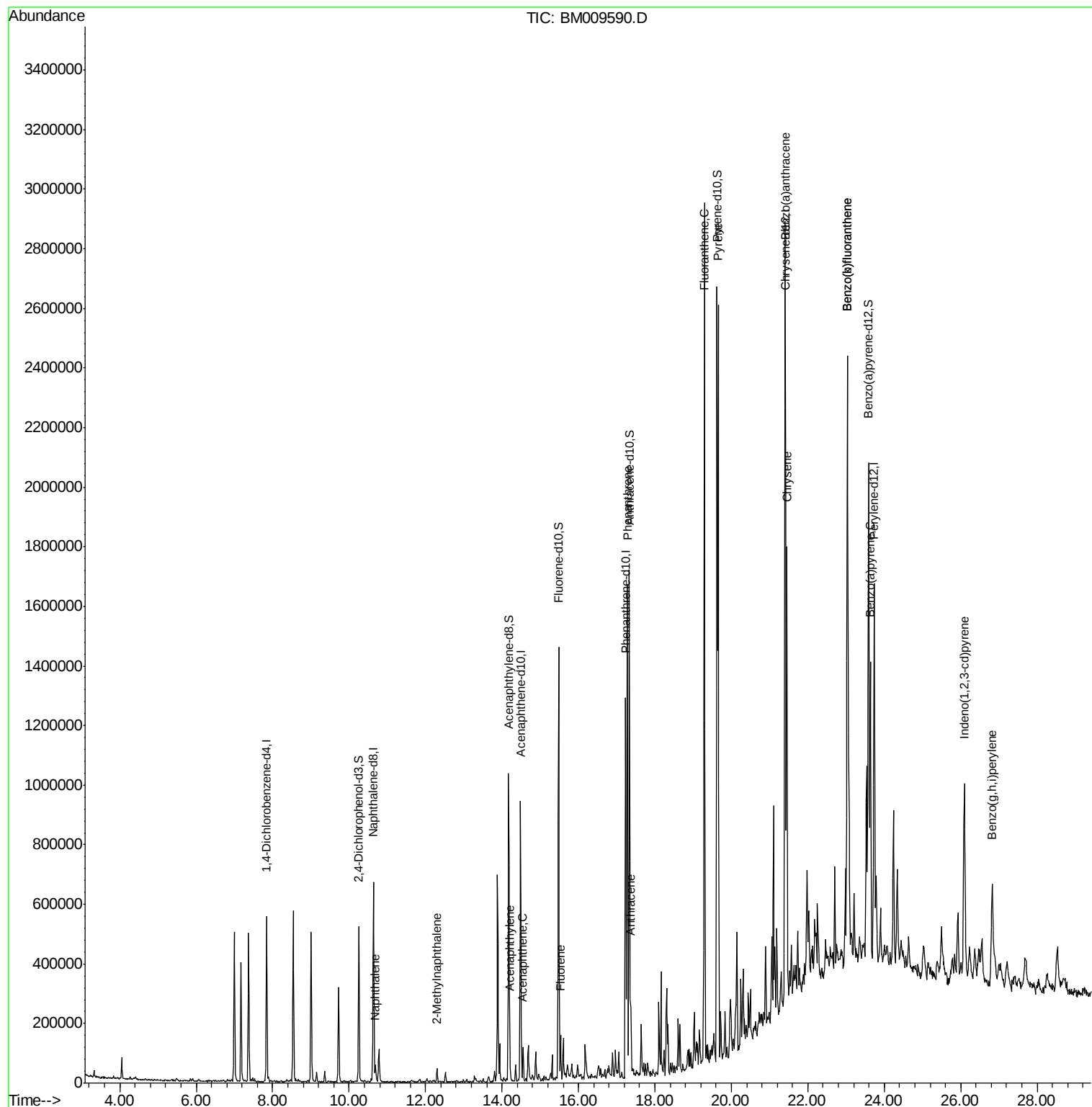
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Naphthalene	10.69	128	38423	1.52	ng/ul#	94
5) 2-Methylnaphthalene	12.30	142	19096	1.04	ng/ul	83
8) Acenaphthylene	14.20	152	36693	1.30	ng/ul	98
9) Acenaphthene	14.55	153	42595	2.19	ng/ul	87
11) Fluorene	15.53	166	54728	2.31	ng/ul#	96
14) Phenanthrene	17.28	178	938894	24.69	ng/ul	96
16) Anthracene	17.37	178	179691	4.57	ng/ul	98
17) Fluoranthene	19.29	202	1569720	33.15	ng/ul	96
20) Pyrene	19.66	202	1396213	26.57	ng/ul	96
21) Benzo(a)anthracene	21.40	228	819332	15.02	ng/ul	98
22) Chrysene	21.45	228	791834	15.83	ng/ul	95
24) Benzo(b)fluoranthene	23.03	252	1034040	17.96	ng/ul	98
25) Benzo(k)fluoranthene	23.03	252	1034040	18.85	ng/ul	98
27) Benzo(a)pyrene	23.63	252	701880	12.82	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	26.10	276	494453	8.06	ng/ul#	92
30) Benzo(g,h,i)perylene	26.83	276	420472	8.31	ng/ul#	91

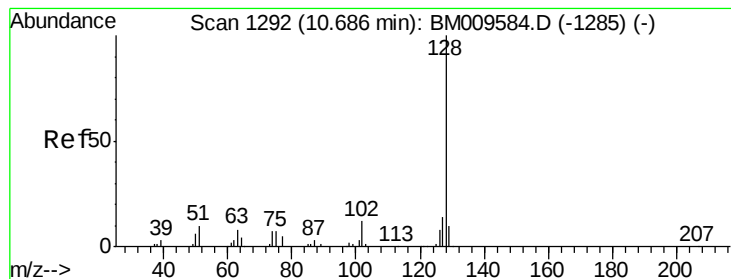
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.52 ng/ul

RT: 10.69 min Scan# 1292

Delta R.T. -0.00 min

Lab File: BM009590.D

Acq: 06 Apr 2017 13:00

Instrument :

BNA_M

ClientSampleId :

CB331

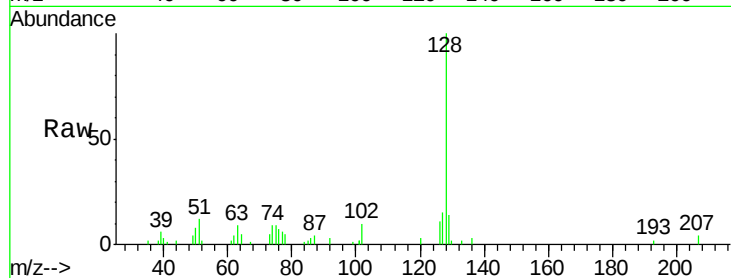
Tgt Ion:128 Resp: 38423

Ion Ratio Lower Upper

128 100

129 14.3 9.1 13.7#

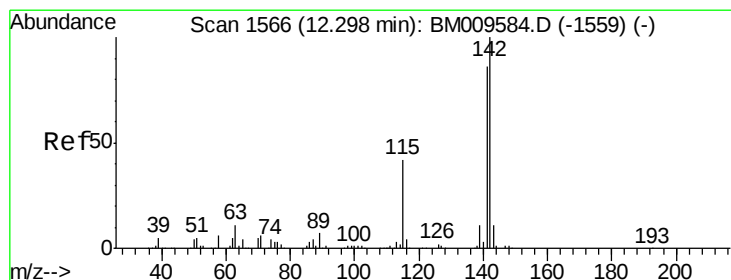
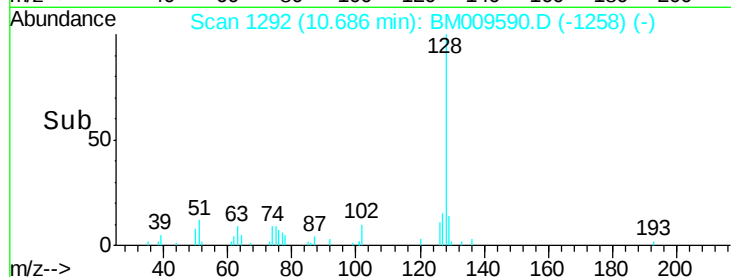
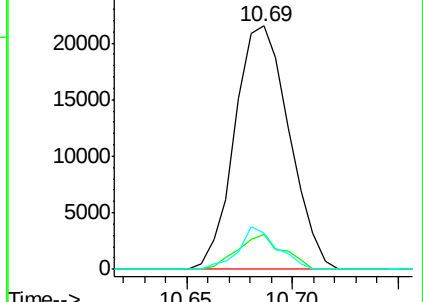
127 14.7 10.6 15.8



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: 1.04 ng/ul

RT: 12.30 min Scan# 1566

Delta R.T. -0.00 min

Lab File: BM009590.D

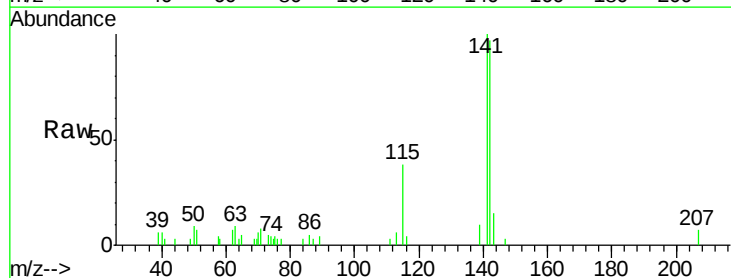
Acq: 06 Apr 2017 13:00

Tgt Ion:142 Resp: 19096

Ion Ratio Lower Upper

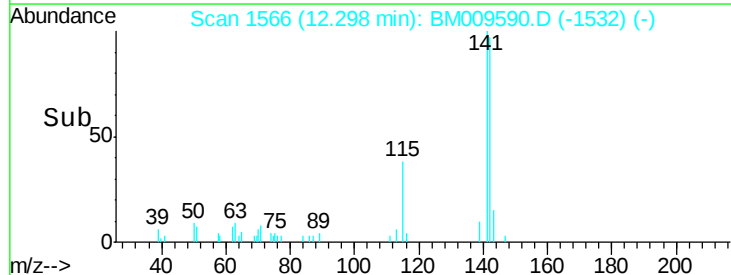
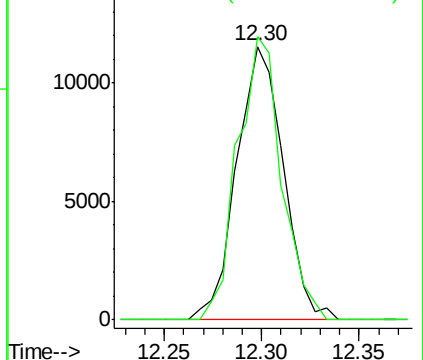
142 100

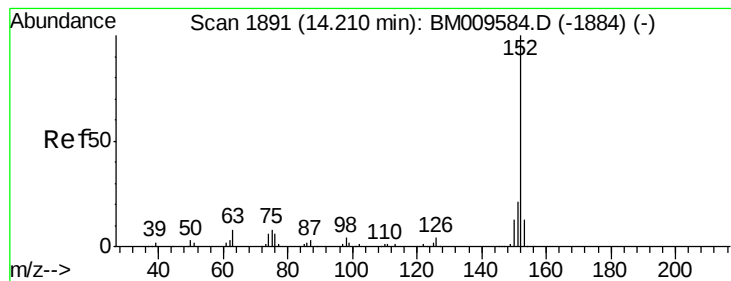
141 103.5 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 1.30 ng/ul

RT: 14.20 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BM009590.D

Acq: 06 Apr 2017 13:00

Instrument :

BNA_M

ClientSampled :

CB331

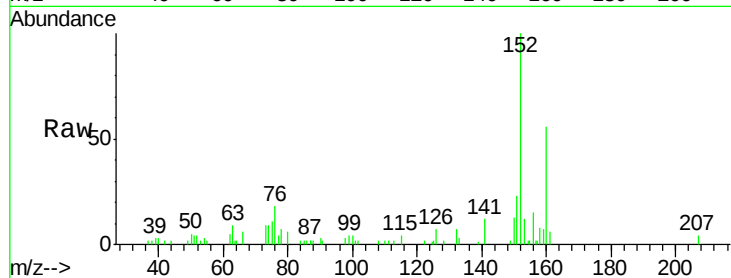
Tgt Ion:152 Resp: 36693

Ion Ratio Lower Upper

152 100

151 22.5 17.5 26.3

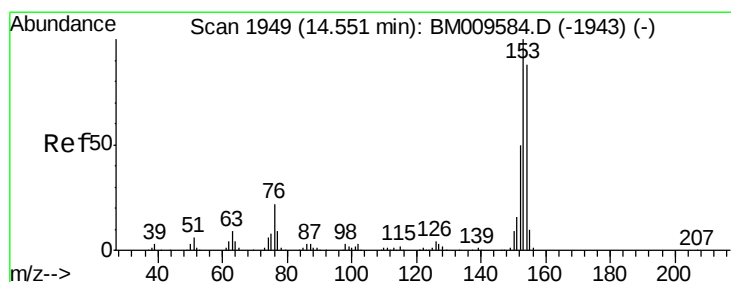
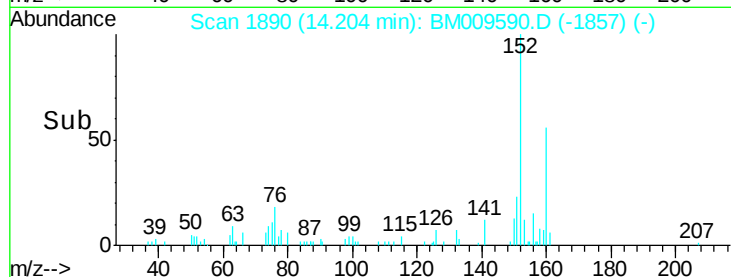
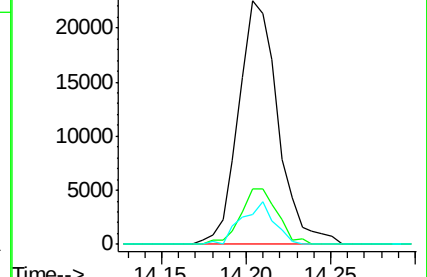
153 12.4 10.6 16.0



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: 2.19 ng/ul

RT: 14.55 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BM009590.D

Acq: 06 Apr 2017 13:00

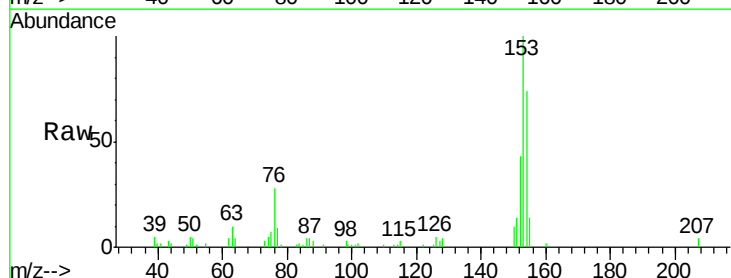
Tgt Ion:153 Resp: 42595

Ion Ratio Lower Upper

153 100

152 43.2 37.9 56.9

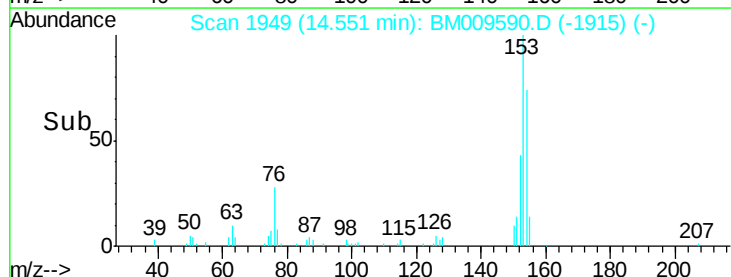
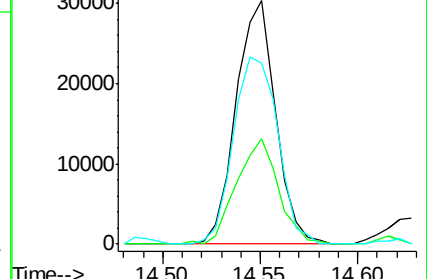
154 74.3 71.6 107.4

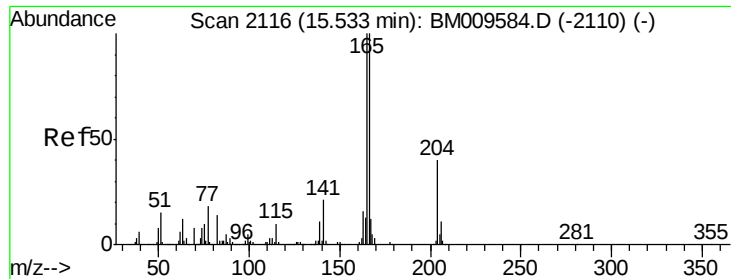


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

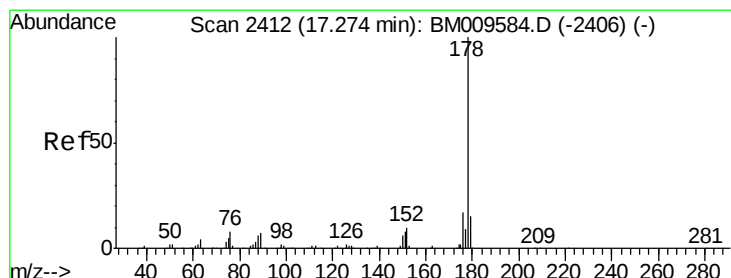
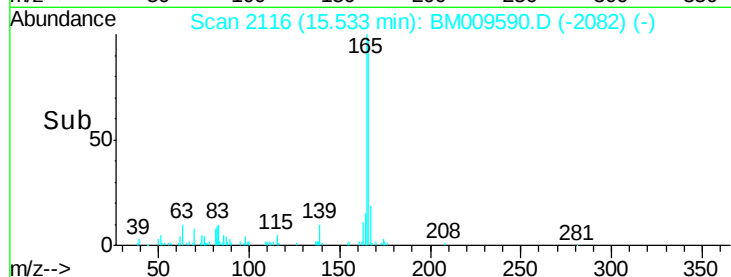
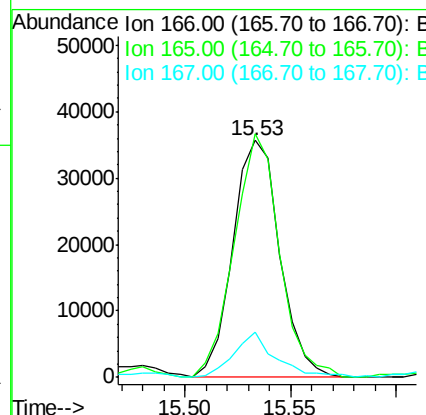
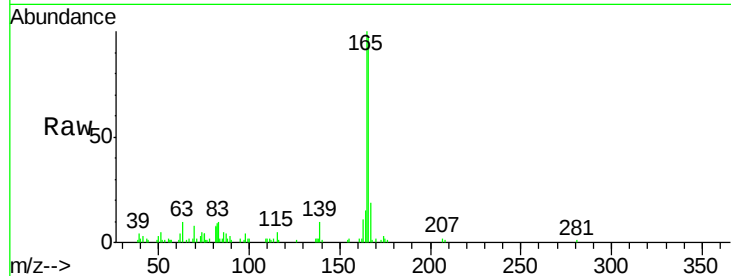




#11
 Fluorene
 Concen: 2.31 ng/ul
 RT: 15.53 min Scan# 2116
 Delta R.T. -0.00 min
 Lab File: BM009590.D
 Acq: 06 Apr 2017 13:00

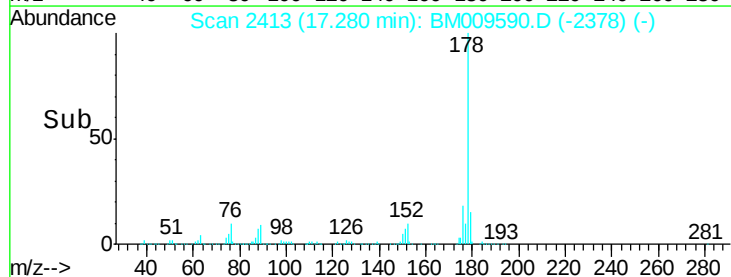
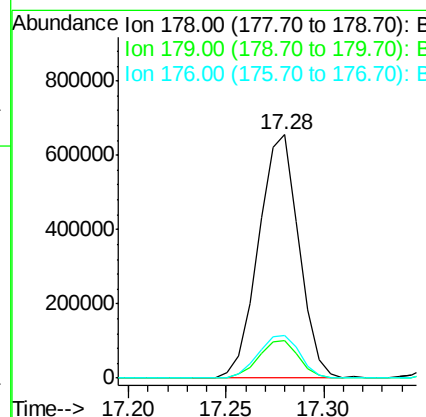
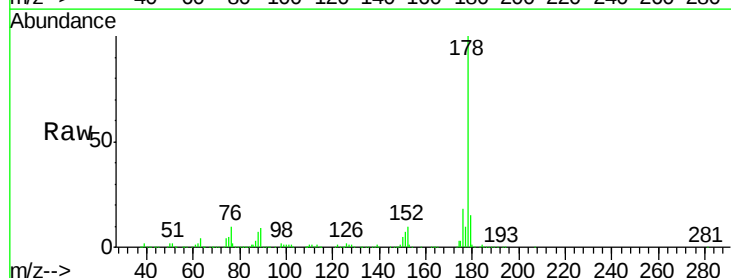
Instrument :
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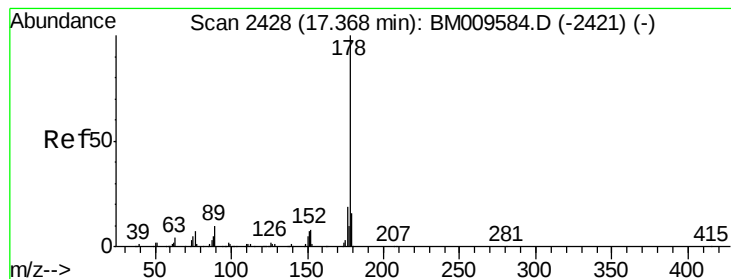
Tgt Ion:166 Resp: 54728
 Ion Ratio Lower Upper
 166 100
 165 102.9 80.0 120.0
 167 19.0 11.6 17.4#



#14
 Phenanthrene
 Concen: 24.69 ng/ul
 RT: 17.28 min Scan# 2413
 Delta R.T. 0.01 min
 Lab File: BM009590.D
 Acq: 06 Apr 2017 13:00

Tgt Ion:178 Resp: 938894
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.2 18.4
 176 17.7 16.4 24.6





#16

Anthracene

Concen: 4.57 ng/ul

RT: 17.37 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BM009590.D

Acq: 06 Apr 2017 13:00

Instrument :

BNA_M

ClientSampleId :

CB331

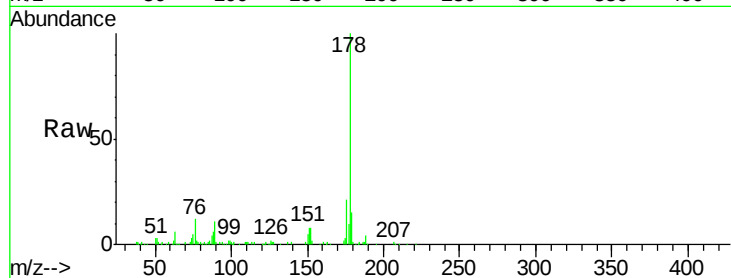
Tgt Ion:178 Resp: 179691

Ion Ratio Lower Upper

178 100

179 14.9 12.7 19.1

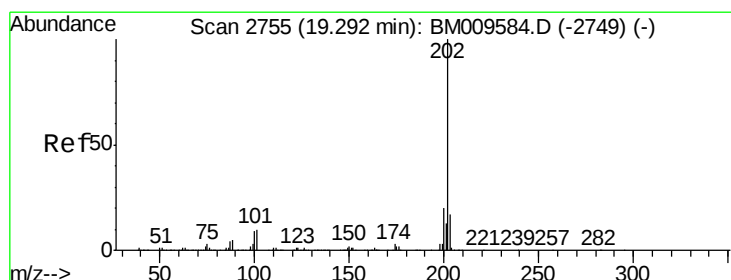
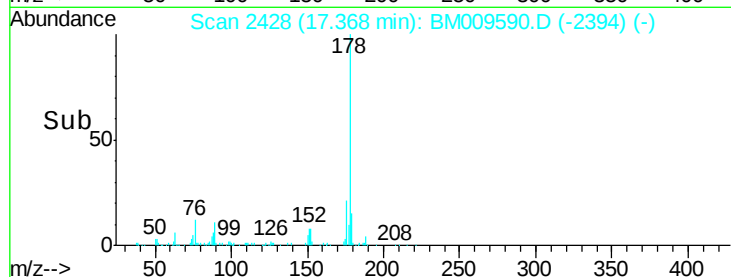
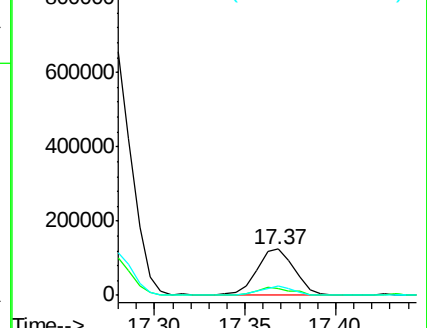
176 20.5 15.8 23.8



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: 33.15 ng/ul

RT: 19.29 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BM009590.D

Acq: 06 Apr 2017 13:00

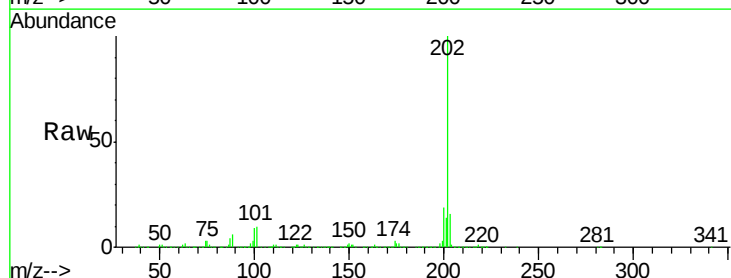
Tgt Ion:202 Resp: 1569720

Ion Ratio Lower Upper

202 100

101 10.1 9.8 14.8

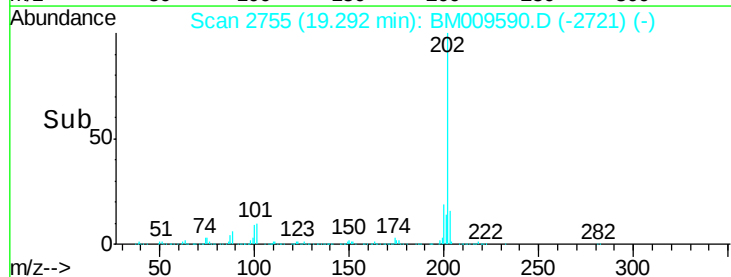
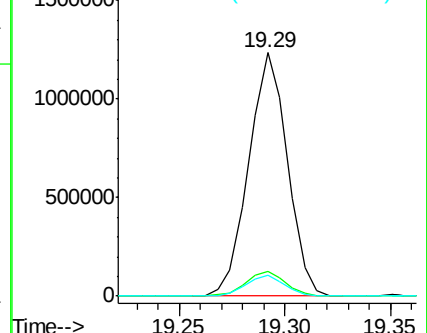
100 8.6 7.5 11.3

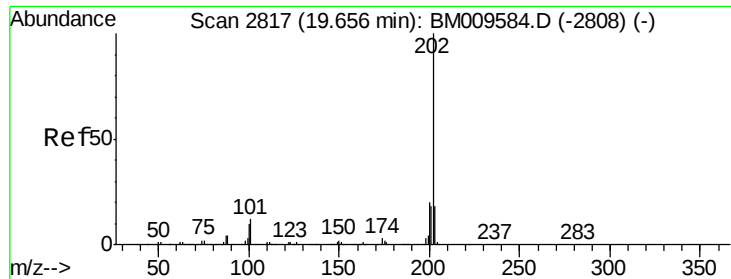


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

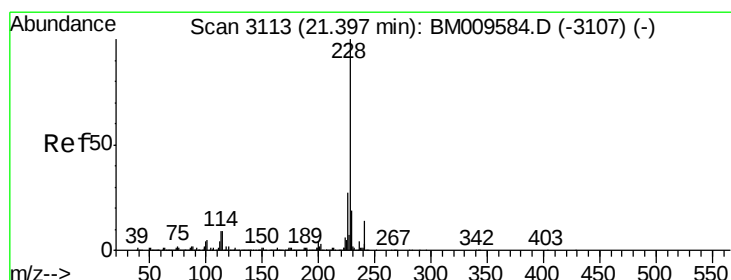
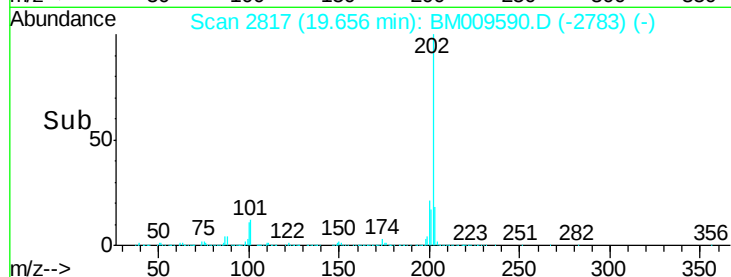
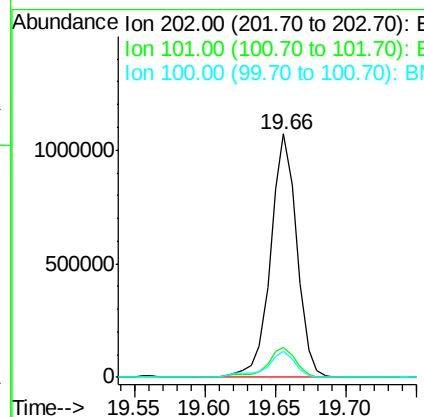
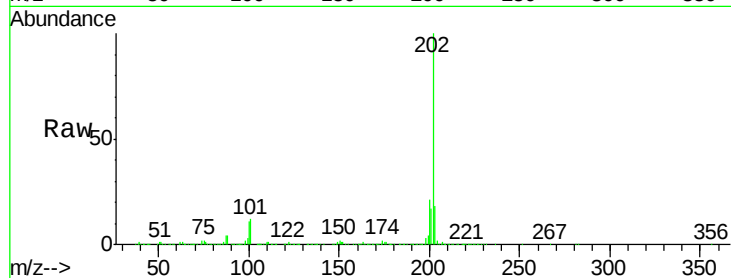




#20
 Pyrene
 Concen: 26.57 ng/ul
 RT: 19.66 min Scan# 2817
 Delta R.T. -0.00 min
 Lab File: BM009590.D
 Acq: 06 Apr 2017 13:00

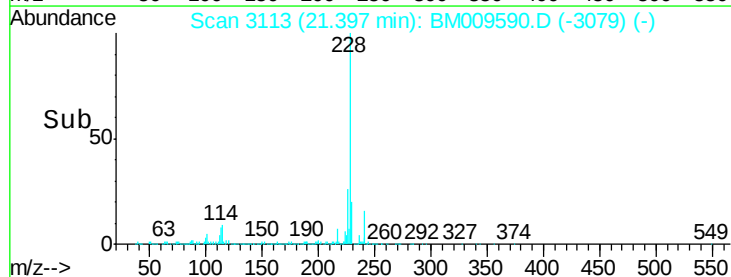
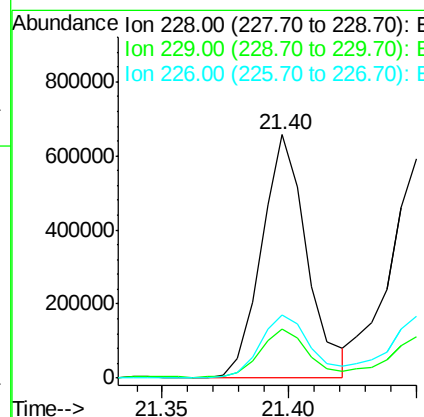
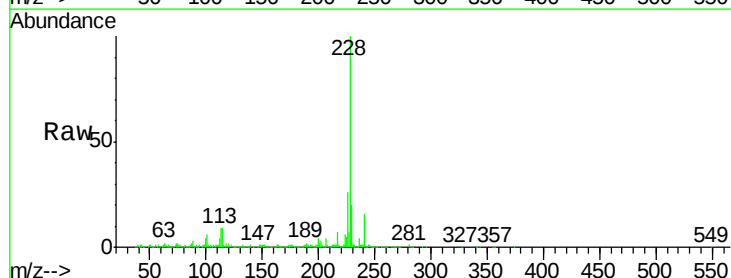
Instrument :
 BNA_M
 ClientSampled :
 CB331

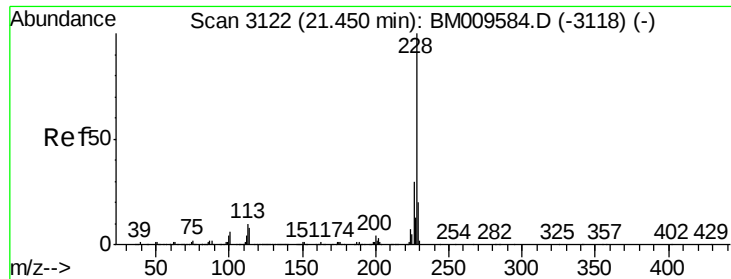
Tgt Ion:202 Resp: 1396213
 Ion Ratio Lower Upper
 202 100
 101 12.2 11.2 16.8
 100 10.6 9.8 14.6



#21
 Benzo(a)anthracene
 Concen: 15.02 ng/ul
 RT: 21.40 min Scan# 3113
 Delta R.T. -0.00 min
 Lab File: BM009590.D
 Acq: 06 Apr 2017 13:00

Tgt Ion:228 Resp: 819332
 Ion Ratio Lower Upper
 228 100
 229 19.9 15.9 23.9
 226 25.8 22.1 33.1





#22

Chrysene

Concen: 15.83 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BM009590.D

Acq: 06 Apr 2017 13:00

Instrument :

BNA_M

ClientSampled :

CB331

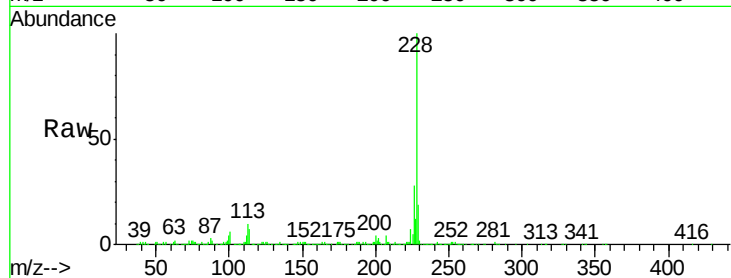
Tgt Ion: 228 Resp: 791834

Ion Ratio Lower Upper

228 100

226 28.1 25.0 37.6

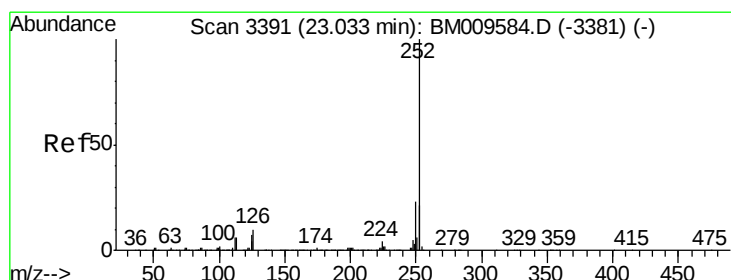
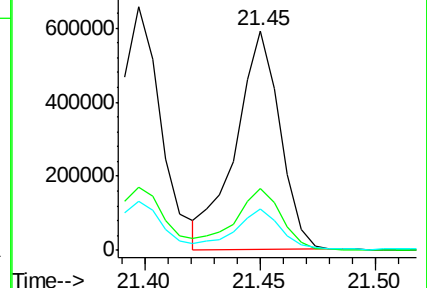
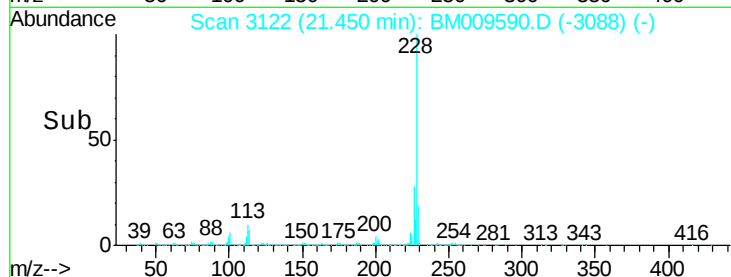
229 18.9 16.6 25.0



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: 17.96 ng/ul

RT: 23.03 min Scan# 3391

Delta R.T. -0.00 min

Lab File: BM009590.D

Acq: 06 Apr 2017 13:00

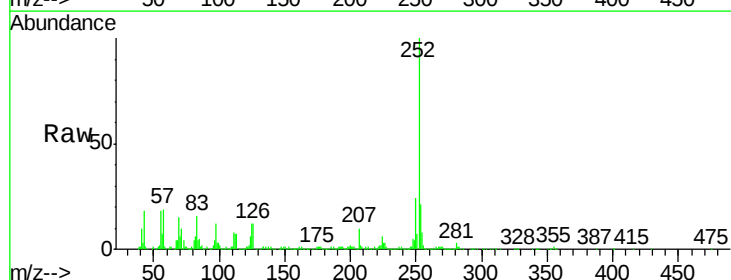
Tgt Ion: 252 Resp: 1034040

Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.6

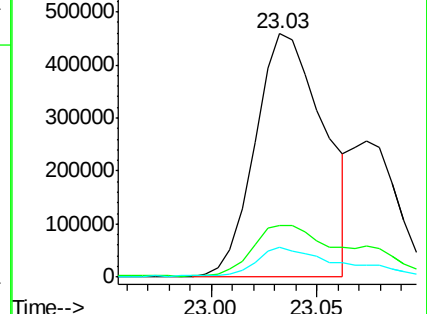
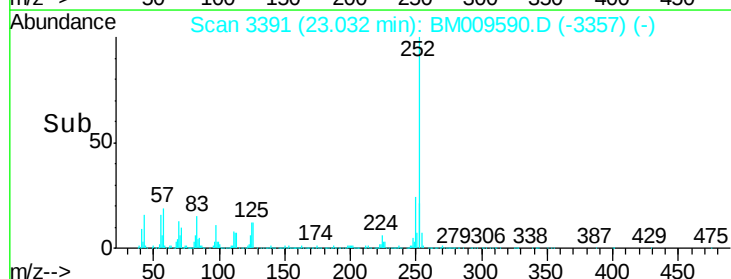
125 12.4 9.4 14.0

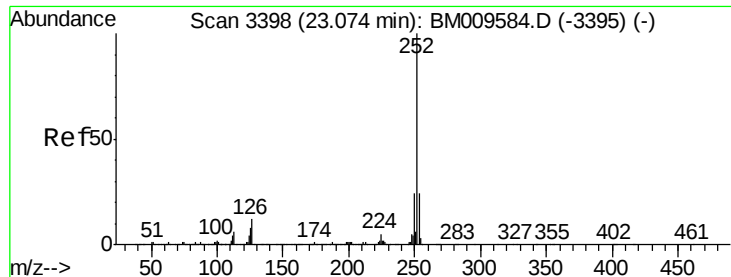


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

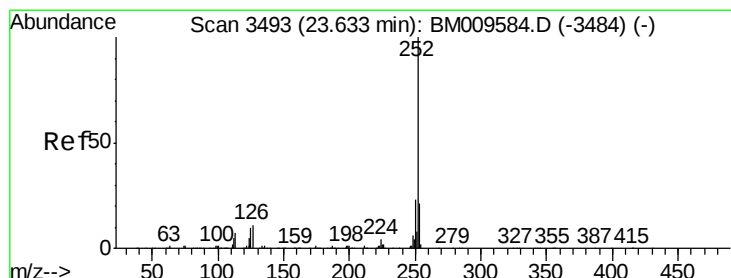
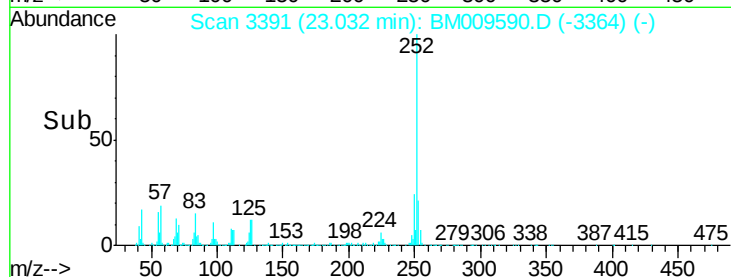
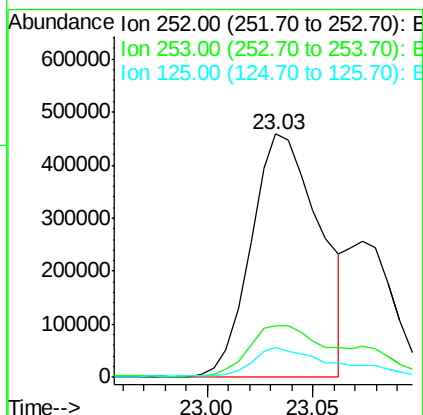
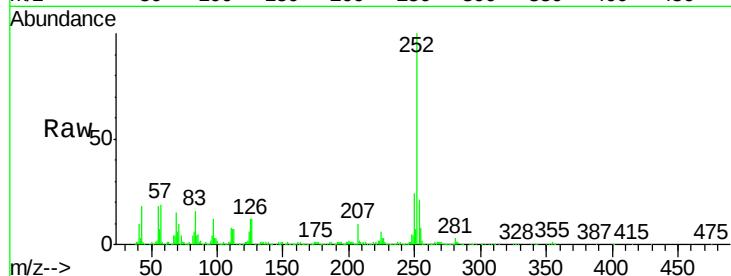




#25
Benzo(k)fluoranthene
Concen: 18.85 ng/ul
RT: 23.03 min Scan# 3391
Delta R.T. -0.04 min
Lab File: BM009590.D
Acq: 06 Apr 2017 13:00

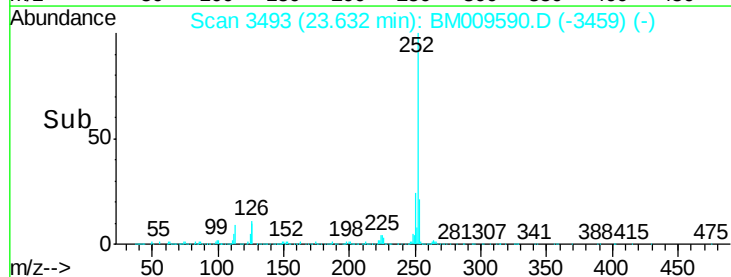
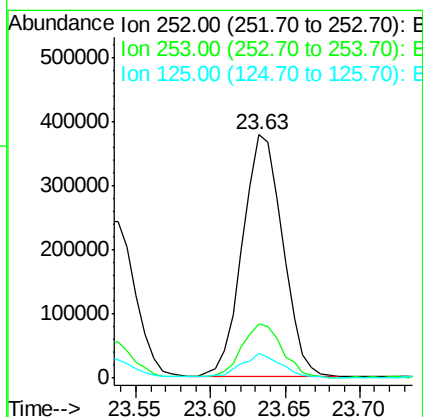
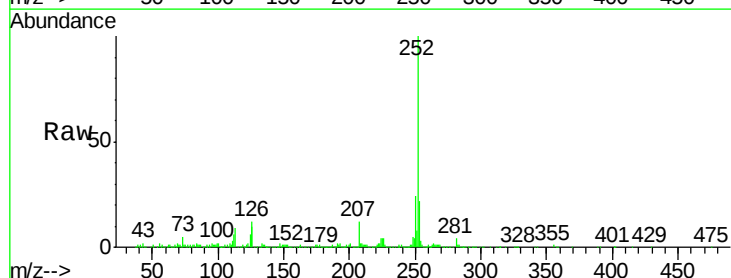
Instrument :
BNA_M
ClientSampleId :
CB331

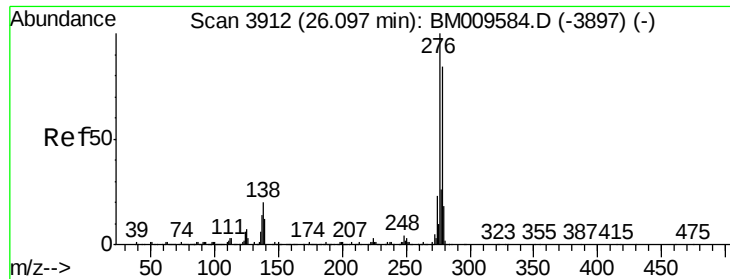
Tgt Ion:252 Resp: 1034040
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.2
125 12.4 8.8 13.2



#27
Benzo(a)pyrene
Concen: 12.82 ng/ul
RT: 23.63 min Scan# 3493
Delta R.T. -0.00 min
Lab File: BM009590.D
Acq: 06 Apr 2017 13:00

Tgt Ion:252 Resp: 701880
Ion Ratio Lower Upper
252 100
253 22.1 17.1 25.7
125 10.0 9.4 14.2





#28

Indeno(1,2,3-cd)pyrene

Concen: 8.06 ng/ul

RT: 26.10 min Scan# 3912

Delta R.T. -0.00 min

Lab File: BM009590.D

Acq: 06 Apr 2017 13:00

Instrument :

BNA_M

ClientSampleId :

CB331

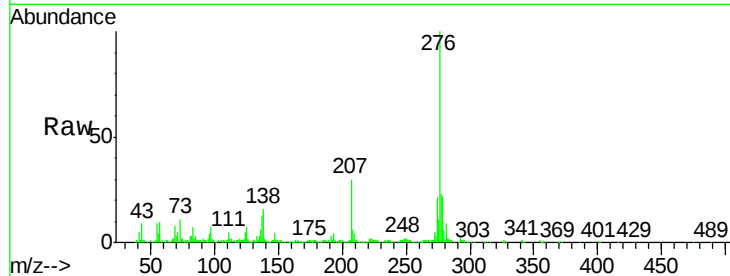
Tgt Ion:276 Resp: 494453

Ion Ratio Lower Upper

276 100

138 16.3 17.8 26.6#

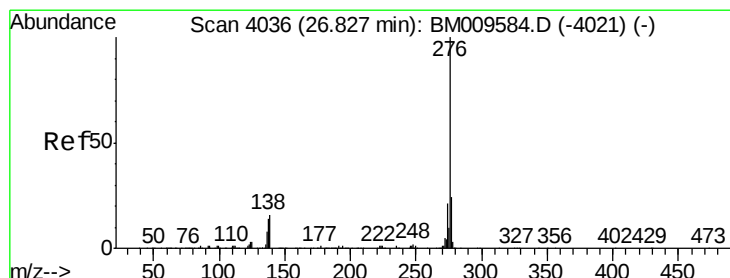
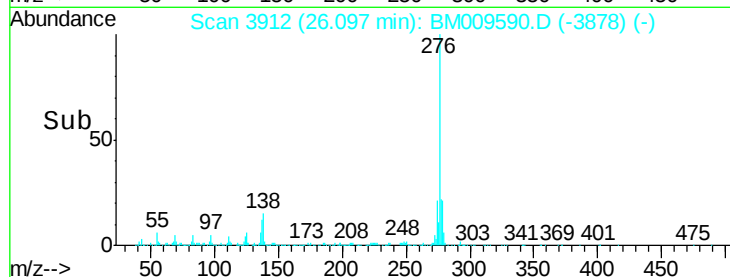
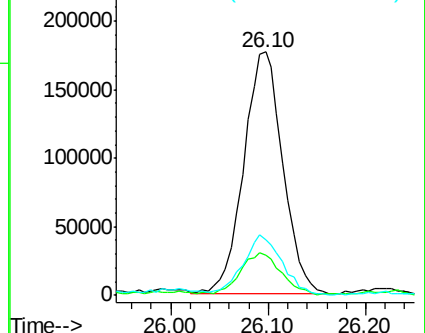
277 22.6 19.4 29.0



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(g,h,i)perylene

Concen: 8.31 ng/ul

RT: 26.83 min Scan# 4036

Delta R.T. -0.00 min

Lab File: BM009590.D

Acq: 06 Apr 2017 13:00

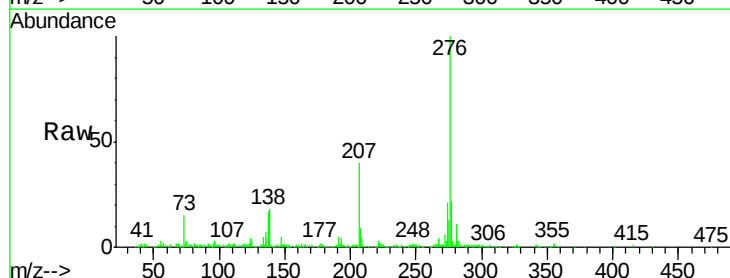
Tgt Ion:276 Resp: 420472

Ion Ratio Lower Upper

276 100

138 17.8 19.0 28.4#

277 21.8 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

