

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040817\
 Data File : BM009639.D
 Acq On : 07 Apr 2017 21:14
 Operator : SJ/MA
 Sample : I2525-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB354

Quant Time: Apr 08 01:46:24 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

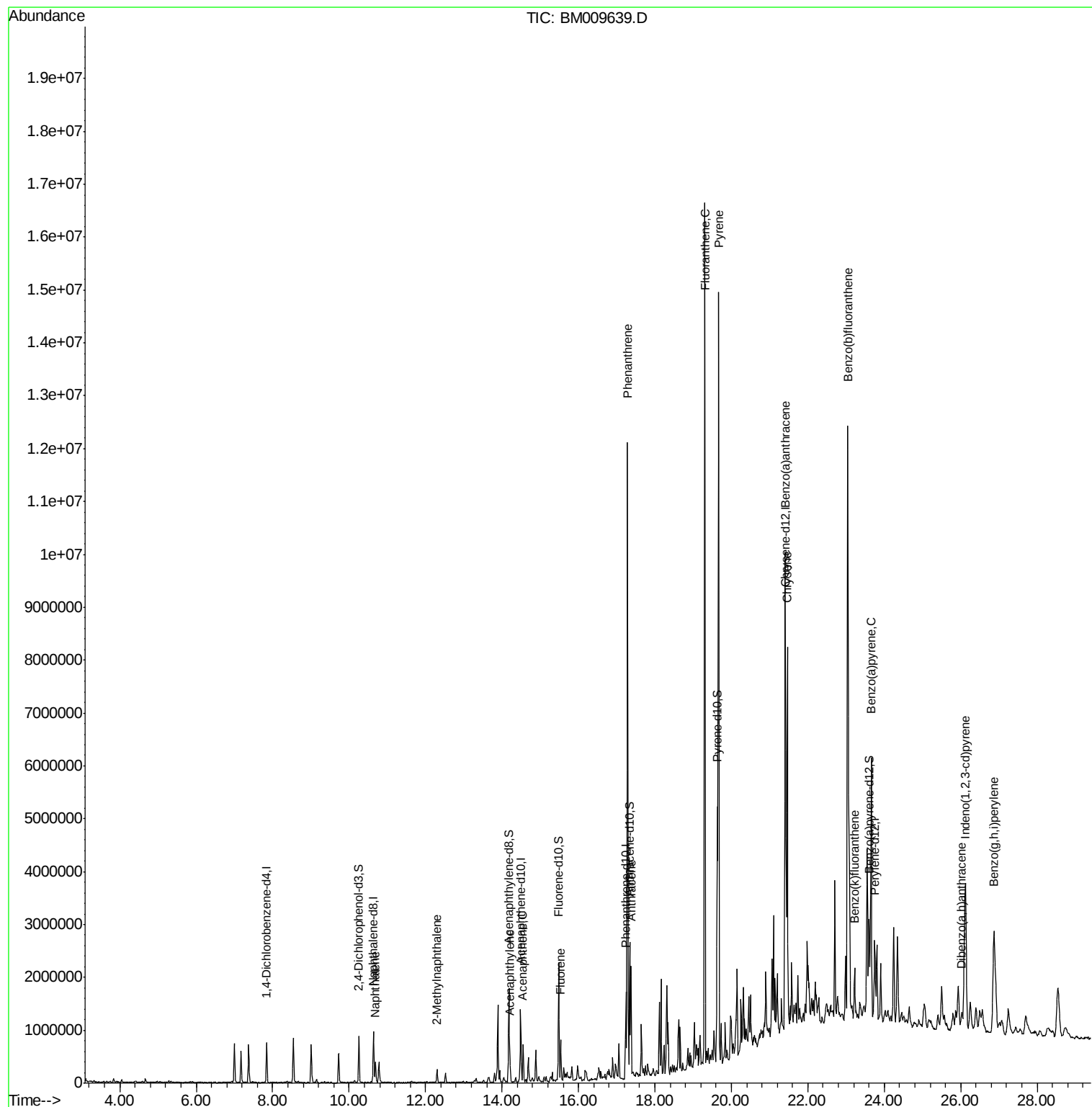
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	174181	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	695731	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	400476	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.24	188	947294	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1161960	20.00	ng/ul	0.00
23) Perylene-d12	23.75	264	1098246	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.26	165	277517	25.94	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	1152786	29.37	ng/ul	0.00
10) Fluorene-d10	15.48	176	801497	28.39	ng/ul	0.00
15) Anthracene-d10	17.34	188	1272030	28.07	ng/ul	0.00
19) Pyrene-d10	19.63	212	1454507	30.46	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.60	264	1400954	28.89	ng/ul	0.01
Target Compounds				Qvalue		
4) Naphthalene	10.69	128	268998	7.54	ng/ul	98
5) 2-Methylnaphthalene	12.30	142	103217	3.97	ng/ul	95
8) Acenaphthylene	14.21	152	212633	5.40	ng/ul	100
9) Acenaphthene	14.55	153	260895	9.62	ng/ul	94
11) Fluorene	15.54	166	314981	9.52	ng/ul	99
14) Phenanthrene	17.29	178	6508442	122.21	ng/ul	98
16) Anthracene	17.37	178	1214090	22.04	ng/ul	97
17) Fluoranthene	19.30	202	9248814	139.44	ng/ul	97
20) Pyrene	19.67	202	8377566	132.41	ng/ul	96
21) Benzo(a)anthracene	21.41	228	3980892	60.60	ng/ul	99
22) Chrysene	21.46	228	3794501	63.01	ng/ul	98
24) Benzo(b)fluoranthene	23.05	252	4903349	72.19	ng/ul	98
25) Benzo(k)fluoranthene	23.23	252	611597	9.45	ng/ul	99
27) Benzo(a)pyrene	23.66	252	3511480	54.38	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	26.13	276	2329493	32.18	ng/ul#	95
29) Dibenzo(a,h)anthracene	26.04	278	106788	1.74	ng/ul	92
30) Benzo(a,h,i)perylene	26.87	276	2272361	38.07	ng/ul#	93

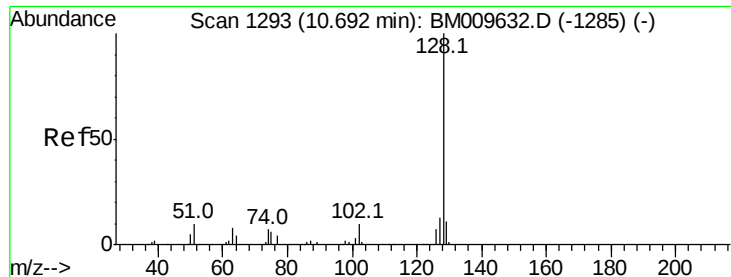
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 7.54 ng/ul

RT: 10.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BM009639.D

Acq: 07 Apr 2017 21:14

Instrument :

BNA_M

ClientSampleId :

CB354

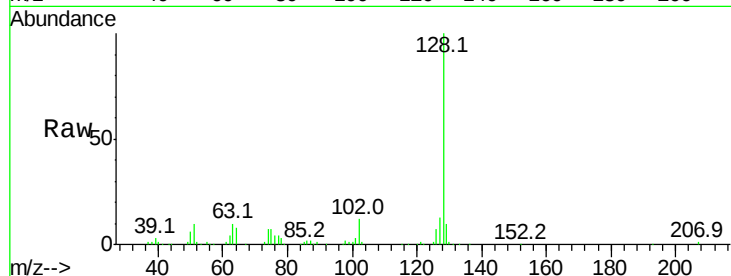
Tot Ion:128 Resp: 268998

Ion Ratio Lower Upper

128 100

129 10.0 9.1 13.7

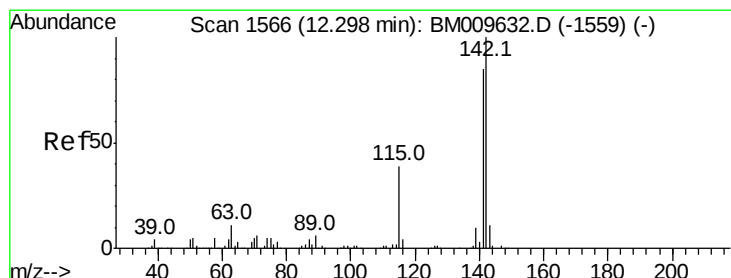
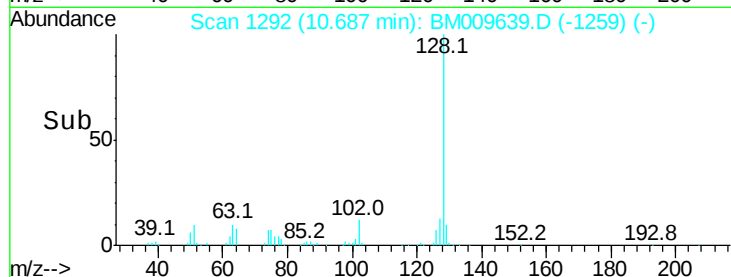
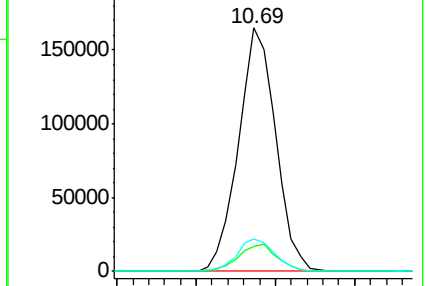
127 13.4 10.6 15.8



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: 3.97 ng/ul

RT: 12.30 min Scan# 1566

Delta R.T. 0.00 min

Lab File: BM009639.D

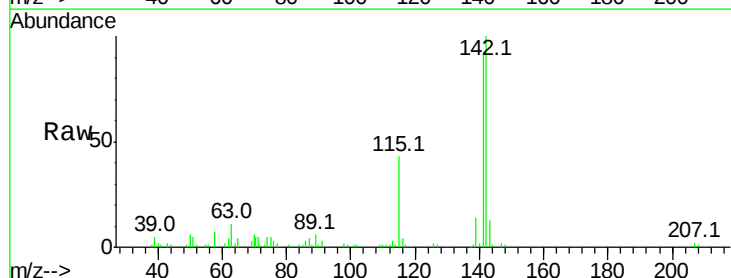
Acq: 07 Apr 2017 21:14

Tgt Ion:142 Resp: 103217

Ion Ratio Lower Upper

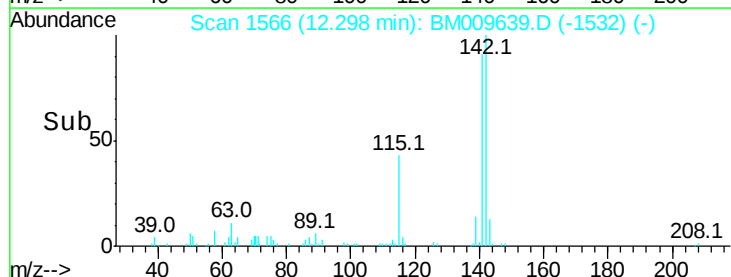
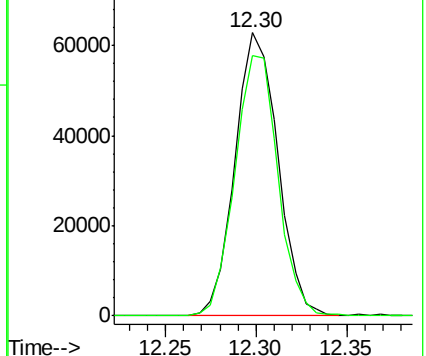
142 100

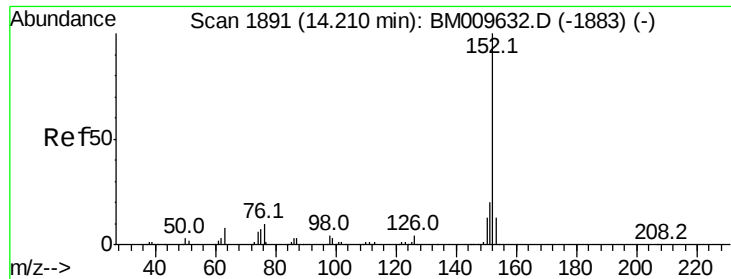
141 92.0 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

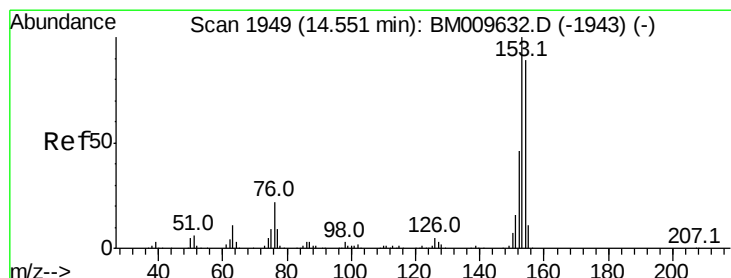
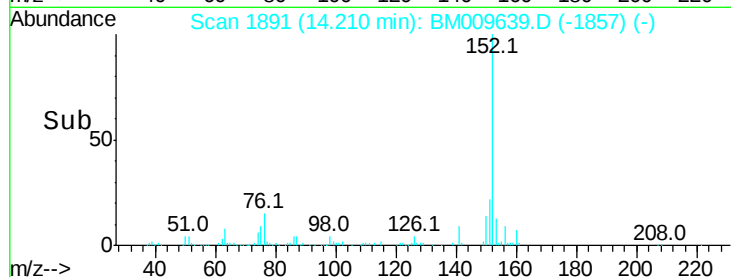
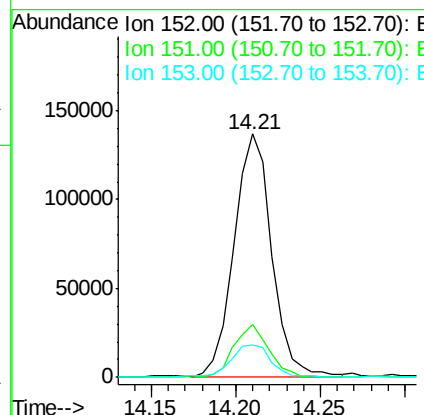
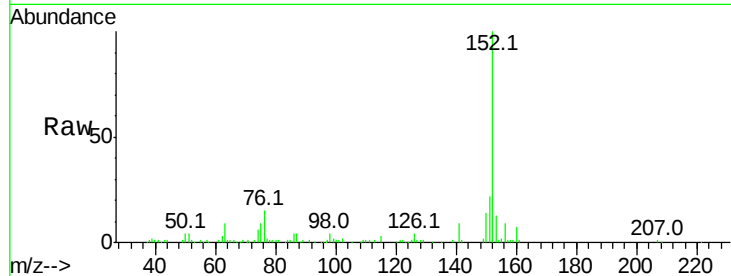




#8
Acenaphthylene
Concen: 5.40 ng/ul
RT: 14.21 min Scan# 1891
Delta R.T. 0.00 min
Lab File: BM009639.D
Acq: 07 Apr 2017 21:14

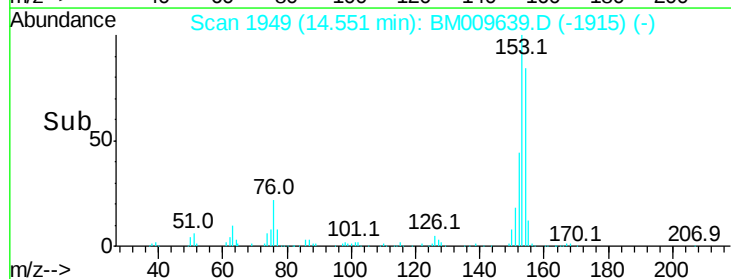
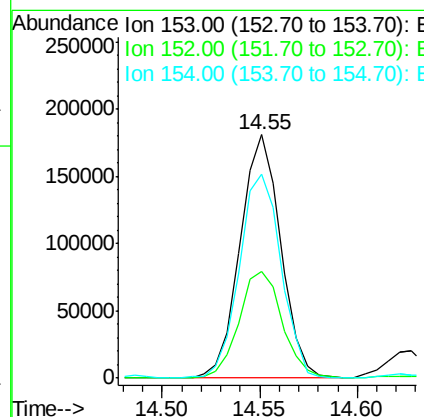
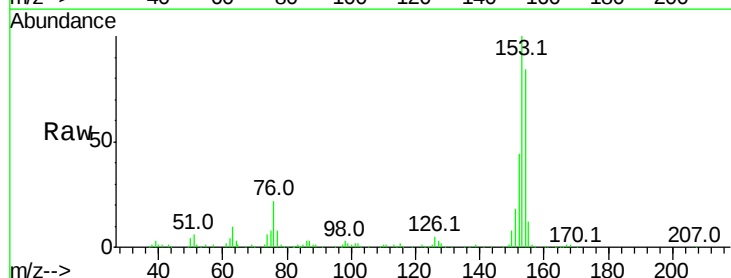
Instrument :
BNA_M
ClientSampleId :
CB354

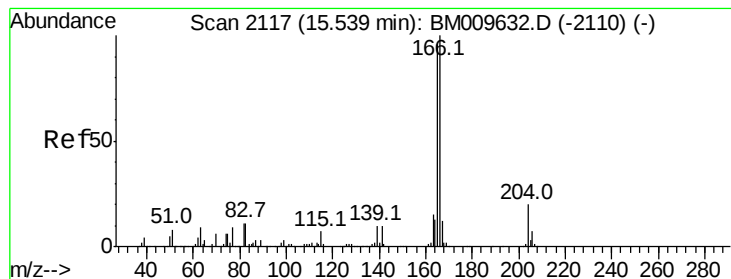
Tot Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.5	26.3
153	13.3	10.6	16.0



#9
Acenaphthene
Concen: 9.62 ng/ul
RT: 14.55 min Scan# 1949
Delta R.T. 0.00 min
Lab File: BM009639.D
Acq: 07 Apr 2017 21:14

Tgt Ion	Ratio	Lower	Upper
153	100		
152	43.8	37.9	56.9
154	83.6	71.6	107.4





#11

Fluorene

Concen: 9.52 ng/ul

RT: 15.54 min Scan# 2117

Delta R.T. 0.00 min

Lab File: BM009639.D

Acq: 07 Apr 2017 21:14

Instrument :

BNA_M

ClientSampled :

CB354

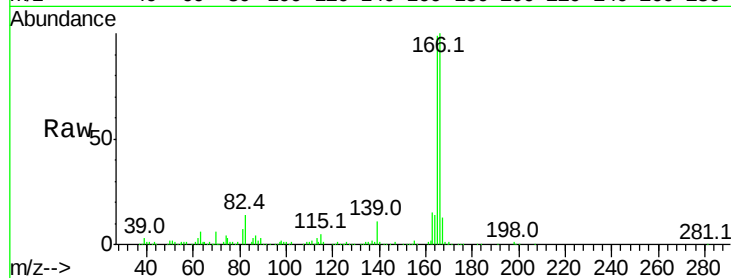
Tot Ion:166 Resp: 314981

Ion Ratio Lower Upper

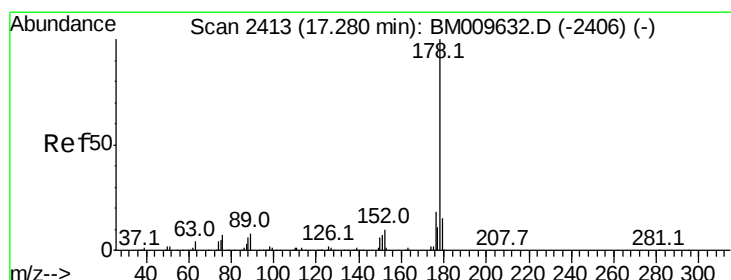
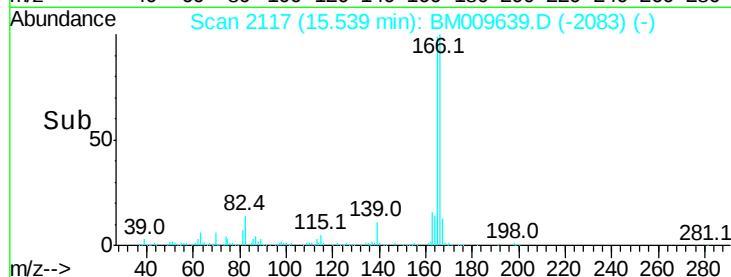
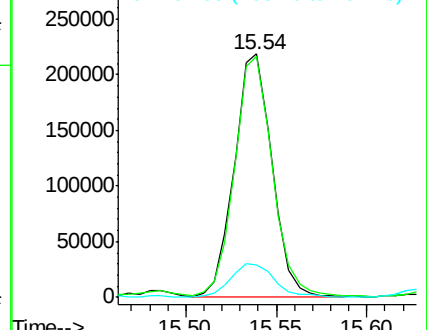
166 100

165 99.1 80.0 120.0

167 13.5 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: 122.21 ng/ul

RT: 17.29 min Scan# 2414

Delta R.T. 0.01 min

Lab File: BM009639.D

Acq: 07 Apr 2017 21:14

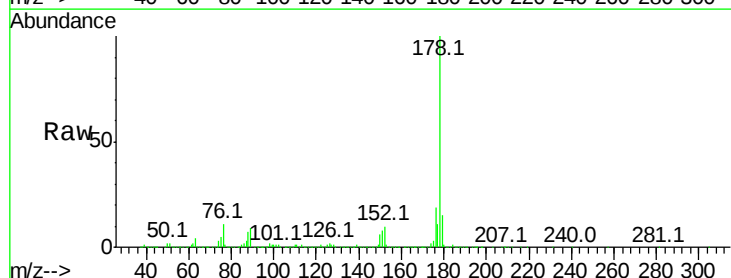
Tgt Ion:178 Resp: 6508442

Ion Ratio Lower Upper

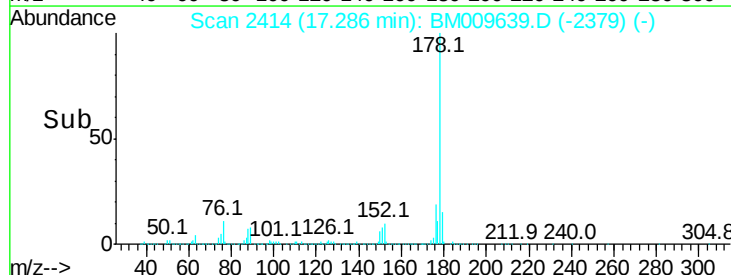
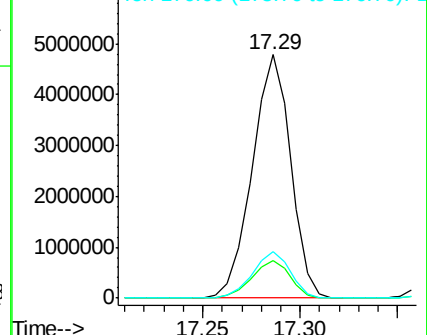
178 100

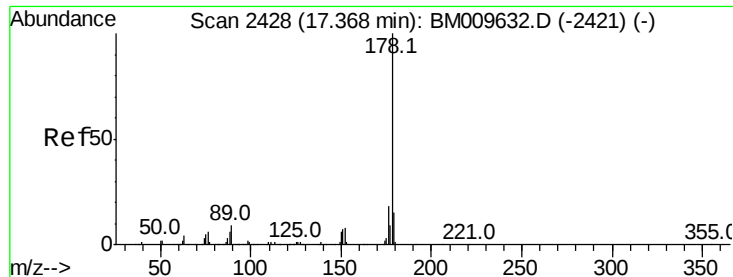
179 15.3 12.2 18.4

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

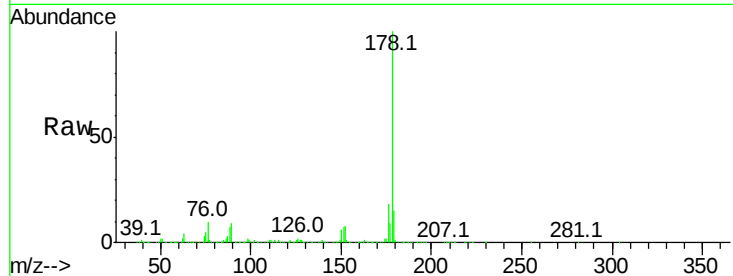




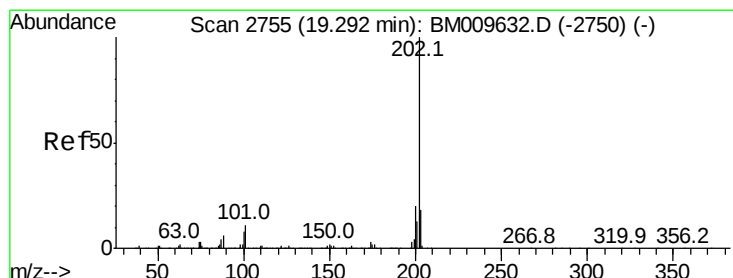
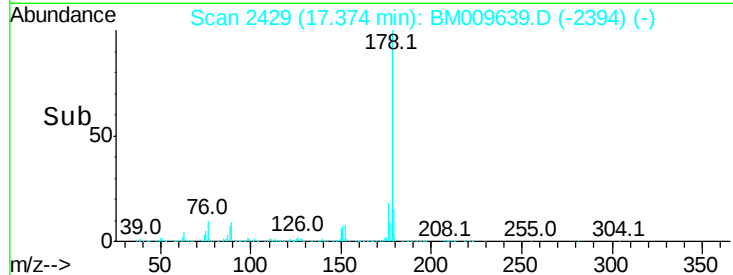
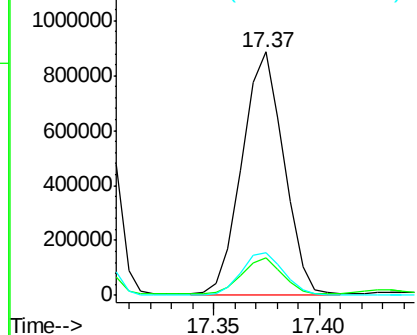
#16
 Anthracene
 Concen: 22.04 ng/ul
 RT: 17.37 min Scan# 2429
 Delta R.T. 0.01 min
 Lab File: BM009639.D
 Acq: 07 Apr 2017 21:14

Instrument :
 BNA_M
 ClientSampled :
 CB354

Tot Ion:178 Resp: 1214090
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.7 19.1
 176 17.8 15.8 23.8

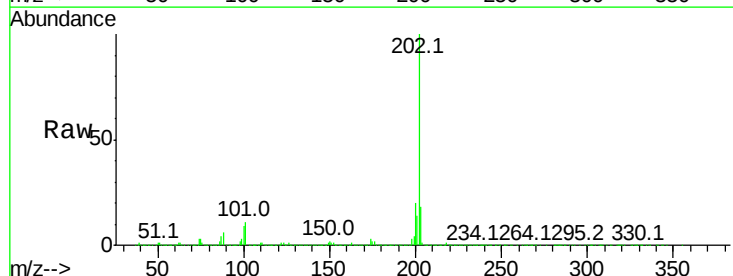


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

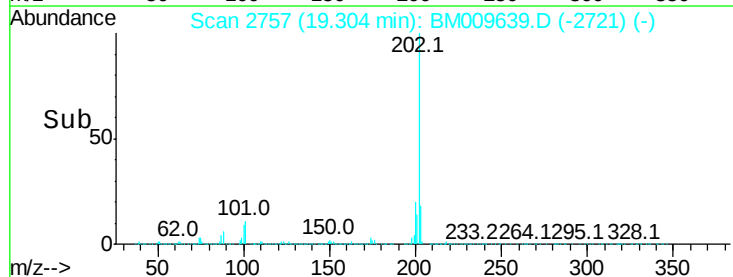
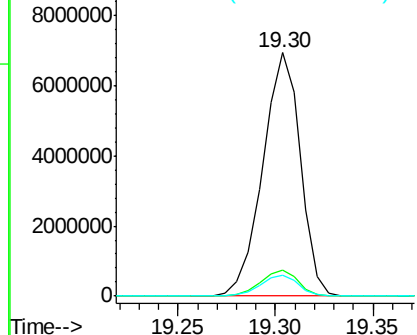


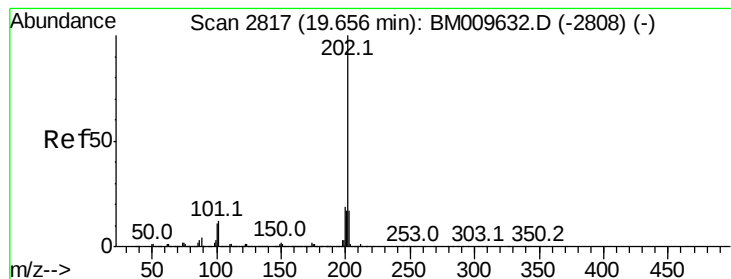
#17
 Fluoranthene
 Concen: 139.44 ng/ul
 RT: 19.30 min Scan# 2757
 Delta R.T. 0.01 min
 Lab File: BM009639.D
 Acq: 07 Apr 2017 21:14

Tgt Ion:202 Resp: 9248814
 Ion Ratio Lower Upper
 202 100
 101 10.8 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

Pvrene

Concen: 132.41 ng/ul

RT: 19.67 min Scan# 2819

Delta R.T. 0.01 min

Lab File: BM009639.D

Acq: 07 Apr 2017 21:14

Instrument :

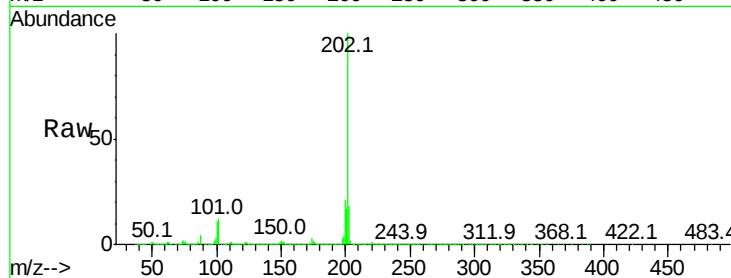
BNA_M

ClientSampleId :

CB354

Tot Ion:202 Resp: 8377566

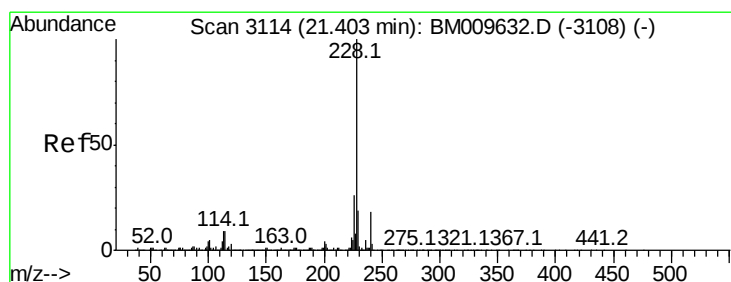
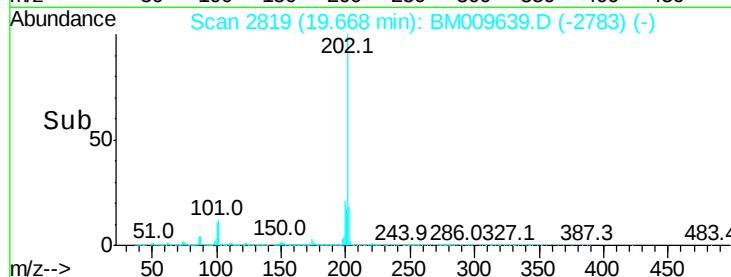
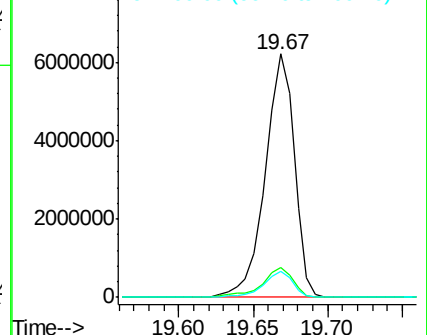
Ion	Ratio	Lower	Upper
202	100		
101	12.4	11.2	16.8
100	10.9	9.8	14.6



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



#21

Benzo(a)anthracene

Concen: 60.60 ng/ul

RT: 21.41 min Scan# 3115

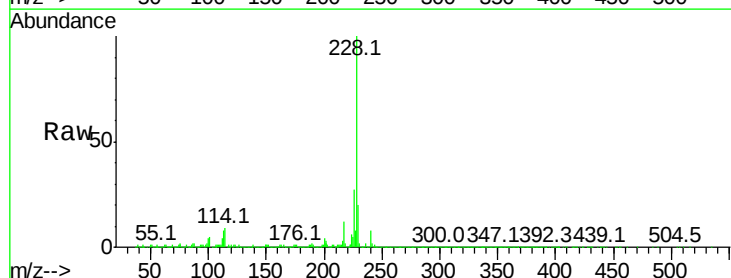
Delta R.T. 0.01 min

Lab File: BM009639.D

Acq: 07 Apr 2017 21:14

Tgt Ion:228 Resp: 3980892

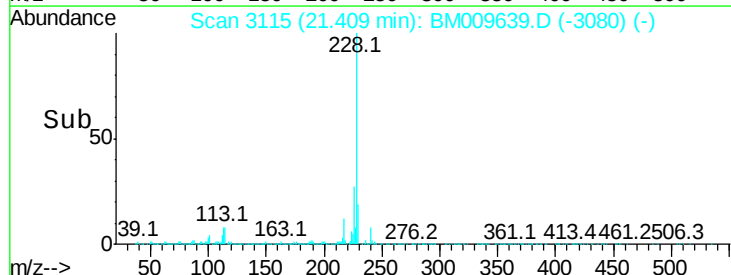
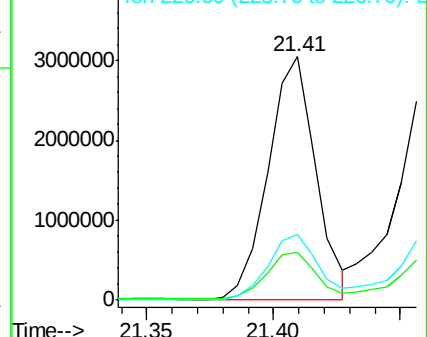
Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.9	23.9
226	27.0	22.1	33.1

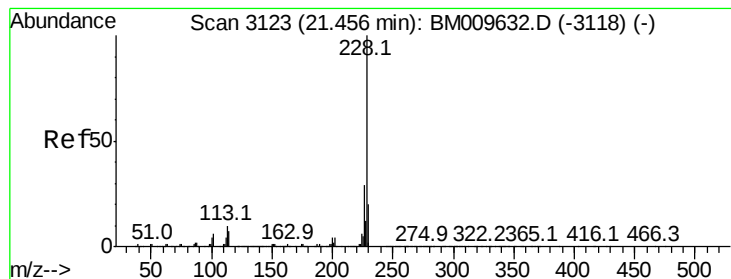


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#22

Chrysene

Concen: 63.01 ng/ul

RT: 21.46 min Scan# 3124

Delta R.T. 0.01 min

Lab File: BM009639.D

Acq: 07 Apr 2017 21:14

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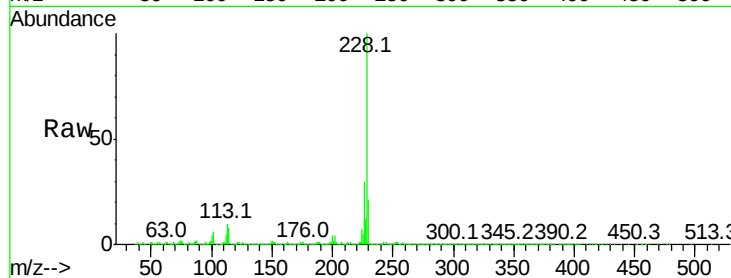
Tot Ion:228 Resp: 3794501

Ion Ratio Lower Upper

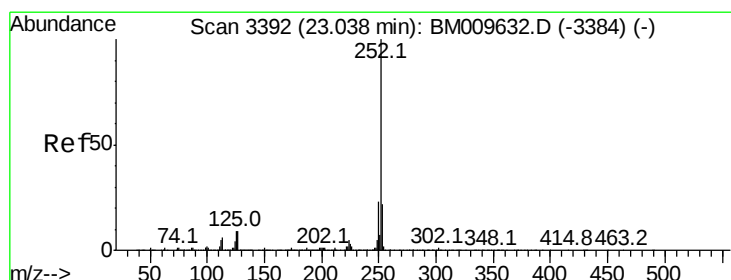
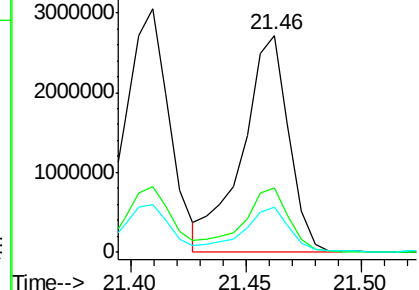
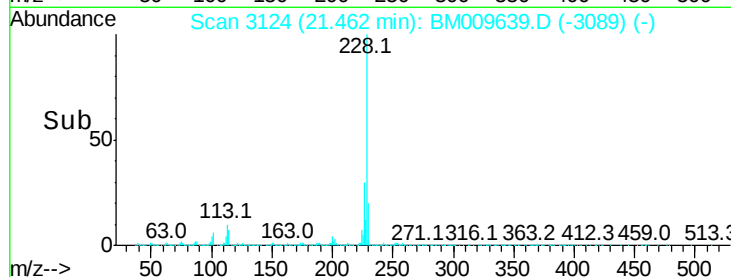
228 100

226 29.8 25.0 37.6

229 20.6 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: 72.19 ng/ul

RT: 23.05 min Scan# 3394

Delta R.T. 0.01 min

Lab File: BM009639.D

Acq: 07 Apr 2017 21:14

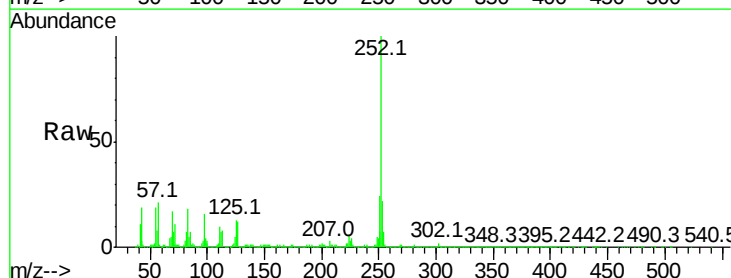
Tgt Ion:252 Resp: 4903349

Ion Ratio Lower Upper

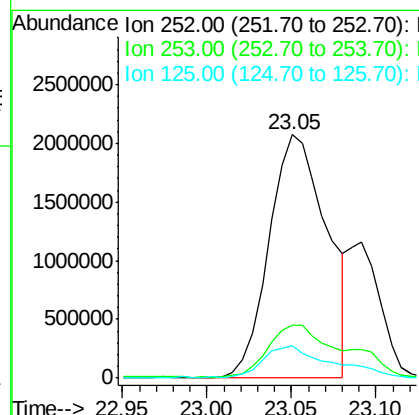
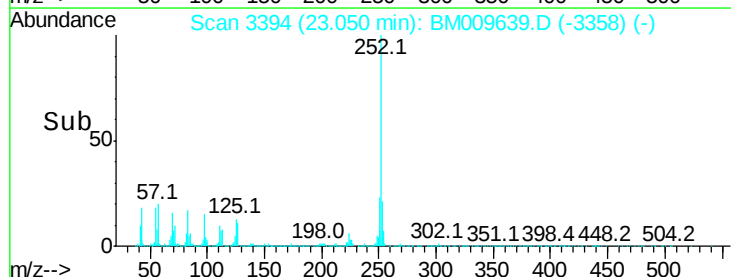
252 100

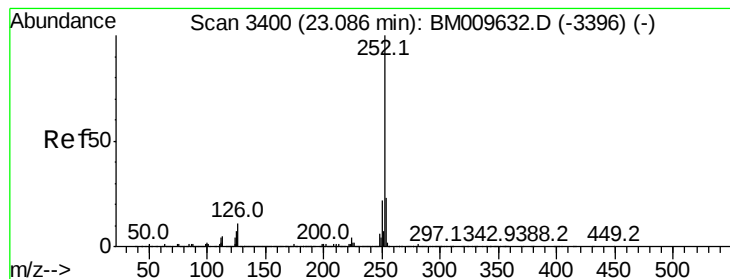
253 21.7 17.8 26.6

125 13.4 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: 9.45 ng/ul

RT: 23.23 min Scan# 3424

Delta R.T. 0.14 min

Lab File: BM009639.D

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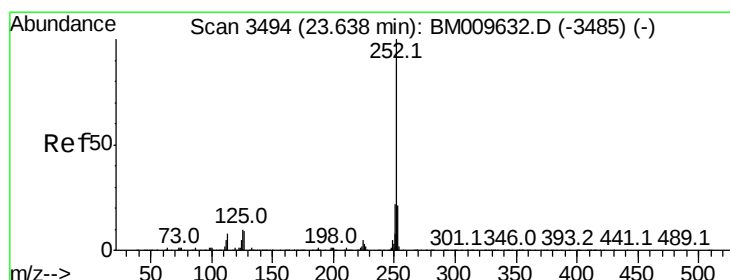
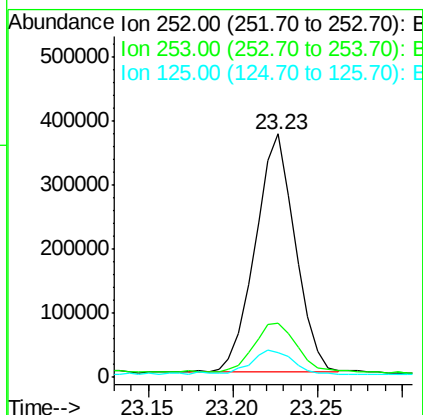
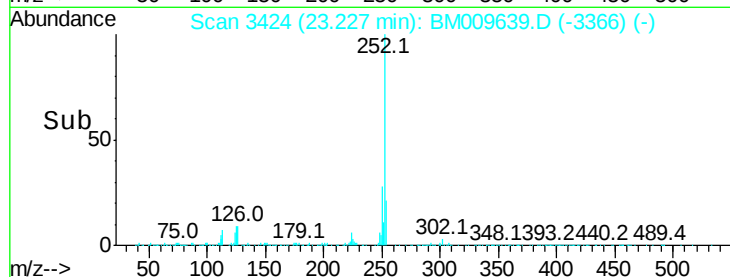
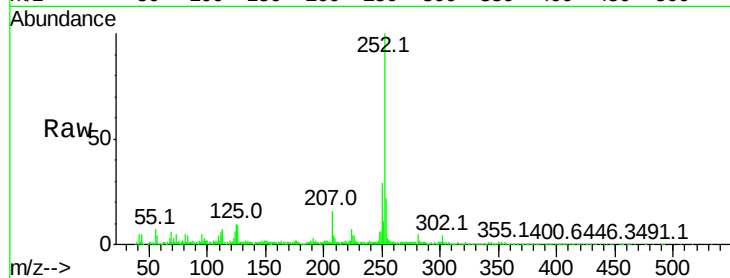
Tot Ion:252 Resp: 611597

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 10.2 8.8 13.2



#27

Benzo(a)pyrene

Concen: 54.38 ng/ul

RT: 23.66 min Scan# 3497

Delta R.T. 0.02 min

Lab File: BM009639.D

Acq: 07 Apr 2017 21:14

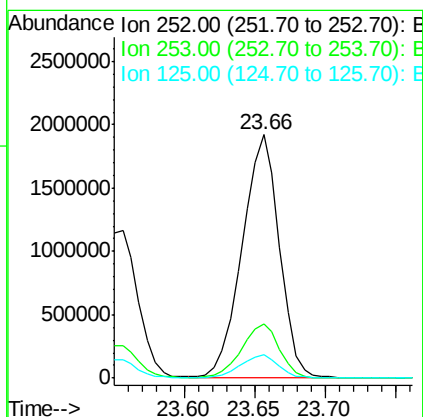
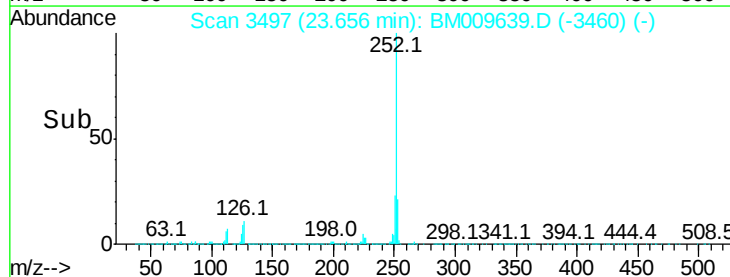
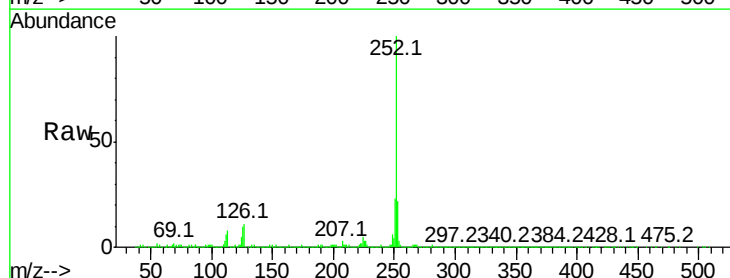
Tgt Ion:252 Resp: 3511480

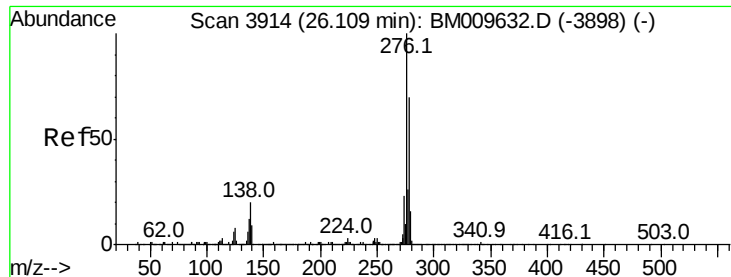
Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

125 9.7 9.4 14.2





#28

Indeno(1,2,3-cd)pyrene

Concen: 32.18 ng/ul

RT: 26.13 min Scan# 3918

Delta R.T. 0.02 min

Lab File: BM009639.D

Acq: 07 Apr 2017 21:14

Instrument :

BNA_M

ClientSampleId :

CB354

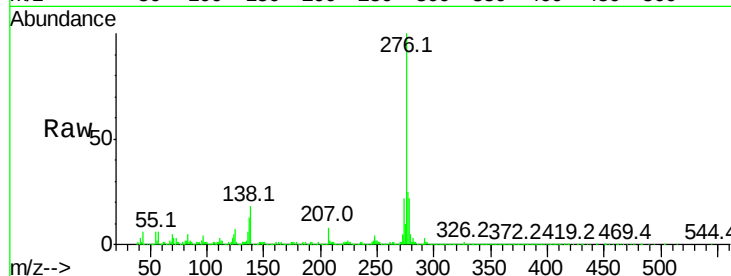
Tot Ion:276 Resp: 2329493

Ion Ratio Lower Upper

276 100

138 17.8 17.8 26.6#

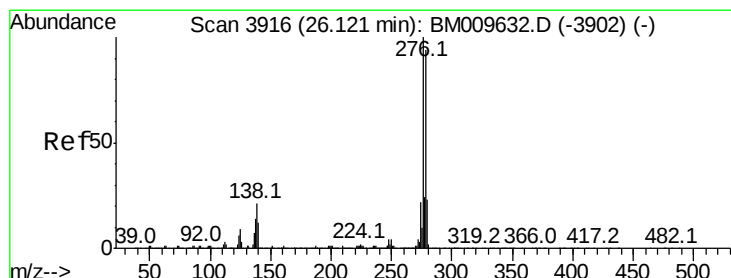
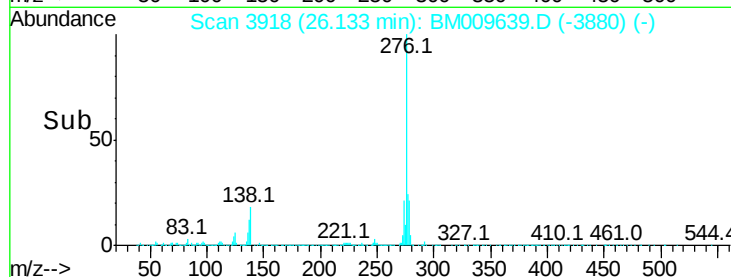
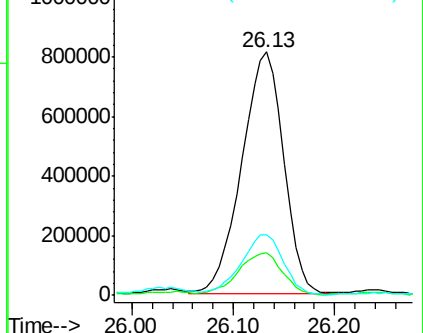
277 24.8 19.4 29.0



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



#29

Dibenzo(a,h)anthracene

Concen: 1.74 ng/ul

RT: 26.04 min Scan# 3902

Delta R.T. -0.08 min

Lab File: BM009639.D

Acq: 07 Apr 2017 21:14

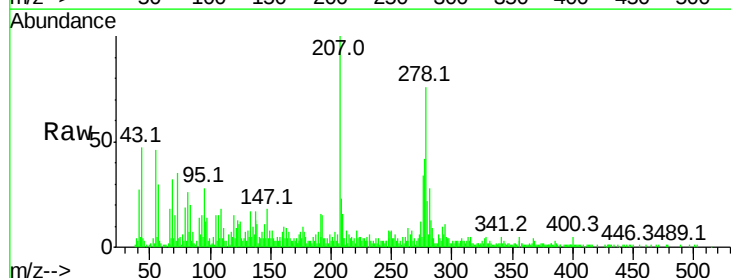
Tgt Ion:278 Resp: 106788

Ion Ratio Lower Upper

278 100

139 14.0 14.0 21.0

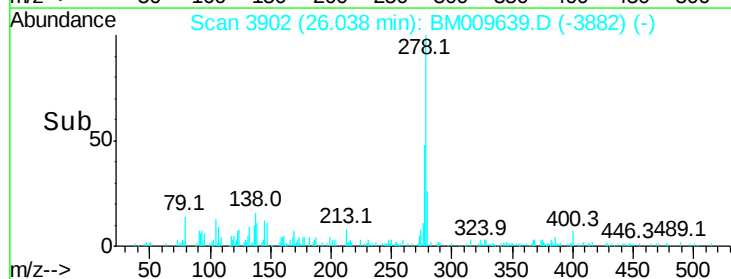
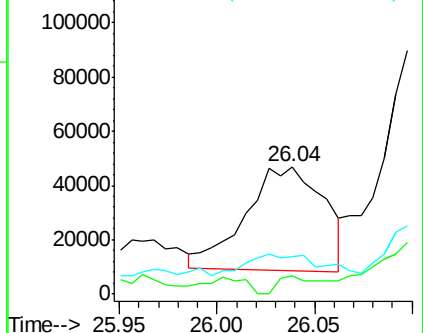
279 29.5 20.6 31.0

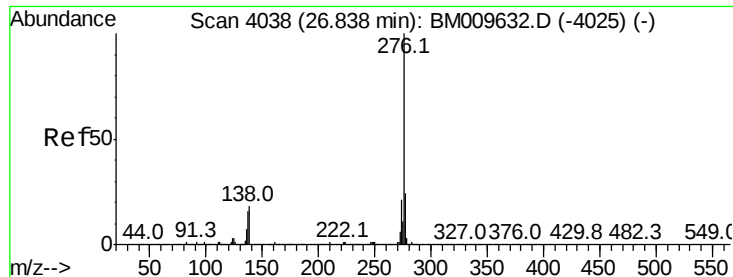


Abundance Ion 278.00 (277.70 to 278.70): E

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: 38.07 ng/ul

RT: 26.87 min Scan# 4043

Delta R.T. 0.03 min

Lab File: BM009639.D

Acq: 07 Apr 2017 21:14

Instrument :

BNA_M

ClientSampleId :

CB354

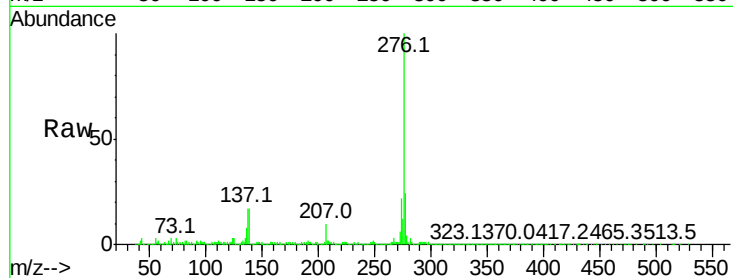
Tot Ion:276 Resp: 2272361

Ion Ratio Lower Upper

276 100

138 17.2 19.0 28.4#

277 24.2 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

