

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040817\
 Data File : BM009636.D
 Acq On : 07 Apr 2017 19:26
 Operator : SJ/MA
 Sample : I2526-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB391

Quant Time: Apr 08 01:45:45 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

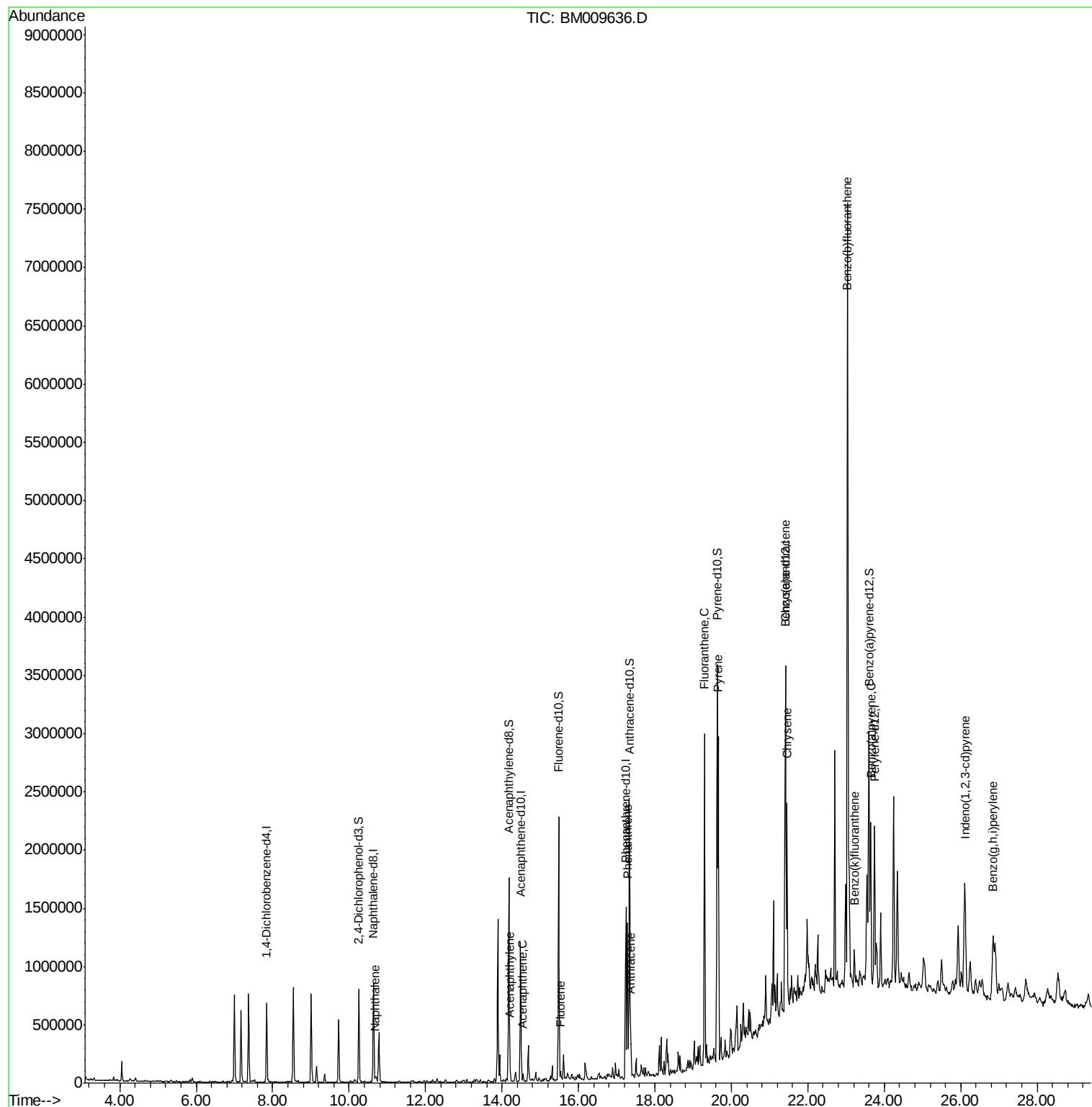
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	160895	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	622942	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	350790	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.24	188	808872	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1035959	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	1013198	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.25	165	252313	26.34	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	1109841	32.28	ng/ul	0.00
10) Fluorene-d10	15.48	176	781655	31.61	ng/ul	0.00
15) Anthracene-d10	17.33	188	1257704	32.50	ng/ul	0.00
19) Pyrene-d10	19.63	212	1504194	35.33	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.60	264	1473164	32.93	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.69	128	32580	1.02	ng/ul#	95
8) Acenaphthylene	14.21	152	73014	2.12	ng/ul	96
9) Acenaphthene	14.55	153	25237	1.06	ng/ul#	87
11) Fluorene	15.53	166	29624	1.02	ng/ul	95
14) Phenanthrene	17.28	178	739221	16.26	ng/ul	97
16) Anthracene	17.37	178	187196	3.98	ng/ul	100
17) Fluoranthene	19.30	202	1675342	29.58	ng/ul	96
20) Pyrene	19.66	202	1633628	28.96	ng/ul	94
21) Benzo(a)anthracene	21.40	228	989750	16.90	ng/ul	98
22) Chrysene	21.46	228	944636	17.59	ng/ul	97
24) Benzo(b)fluoranthene	23.04	252	1420568	22.67	ng/ul#	92
25) Benzo(k)fluoranthene	23.22	252	205080	3.43	ng/ul	96
27) Benzo(a)pyrene	23.64	252	955984	16.05	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	26.11	276	671911	10.06	ng/ul#	94
30) Benzo(a,h,i)perylene	26.85	276	663504	12.05	ng/ul#	90

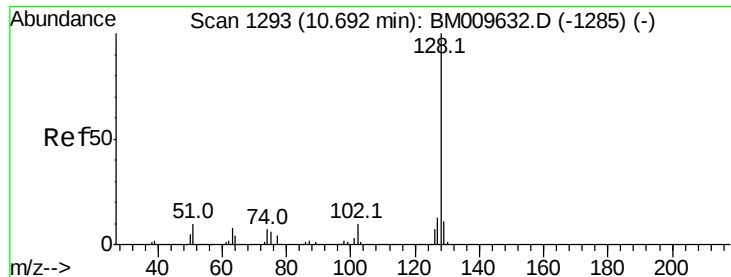
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.02 ng/ul

RT: 10.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

Instrument :

BNA_M

ClientSampleId :

CB391

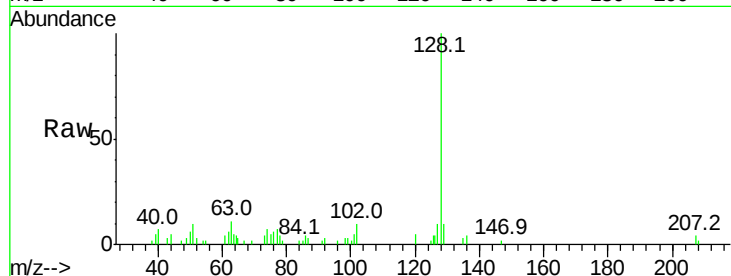
Tot Ion:128 Resp: 32580

Ion Ratio Lower Upper

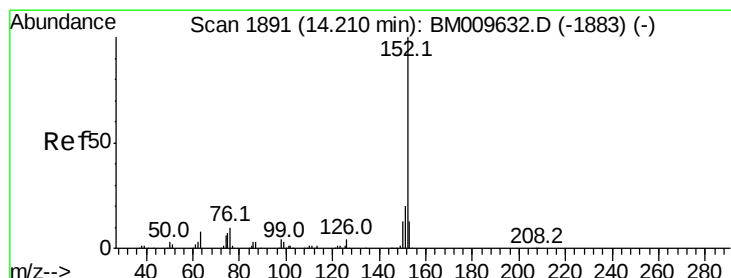
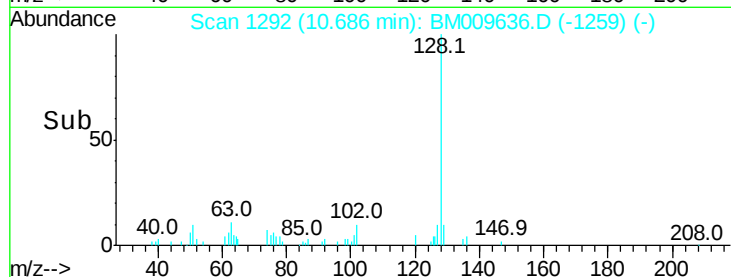
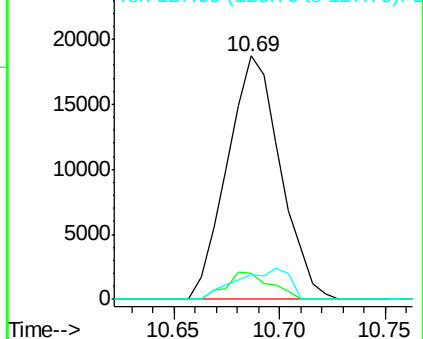
128 100

129 10.5 9.1 13.7

127 10.2 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: 2.12 ng/ul

RT: 14.21 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

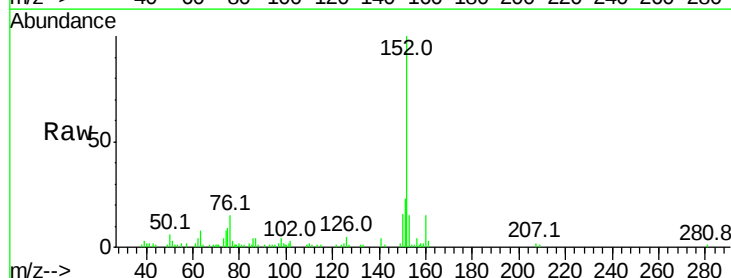
Tgt Ion:152 Resp: 73014

Ion Ratio Lower Upper

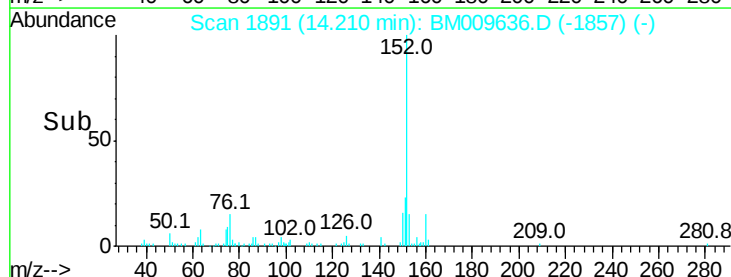
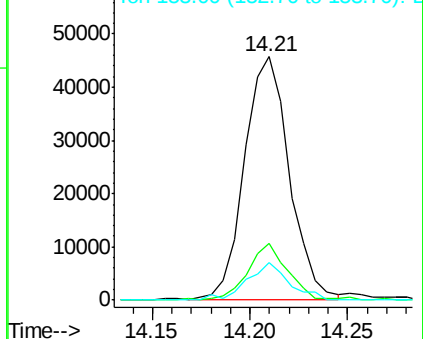
152 100

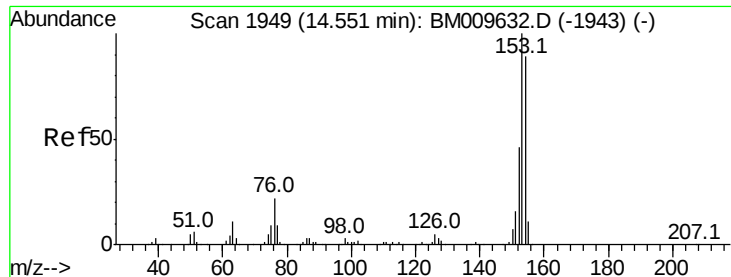
151 23.3 17.5 26.3

153 15.3 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: 1.06 ng/ul

RT: 14.55 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

Instrument :

BNA_M

ClientSampleId :

CB391

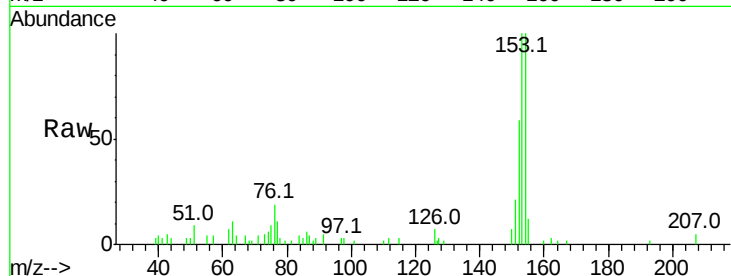
Tot Ion:153 Resp: 25237

Ion Ratio Lower Upper

153 100

152 59.0 37.9 56.9#

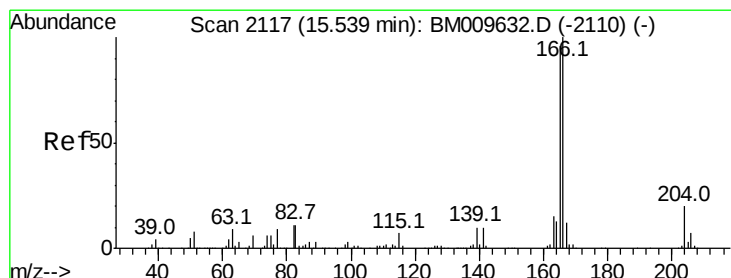
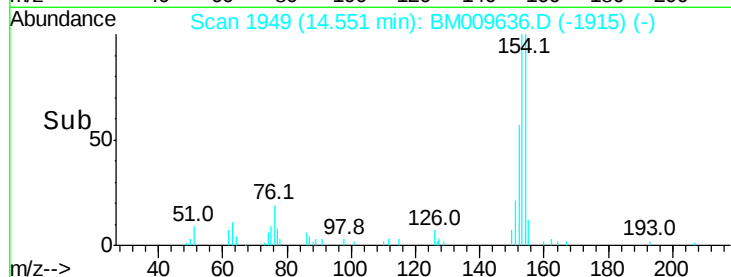
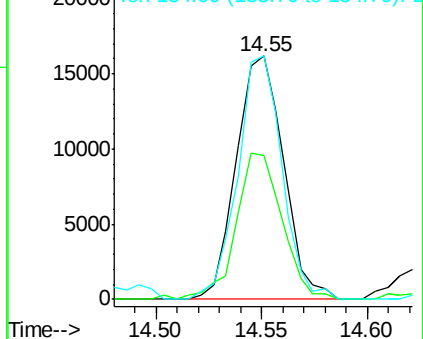
154 100.1 71.6 107.4



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: 1.02 ng/ul

RT: 15.53 min Scan# 2116

Delta R.T. -0.01 min

Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

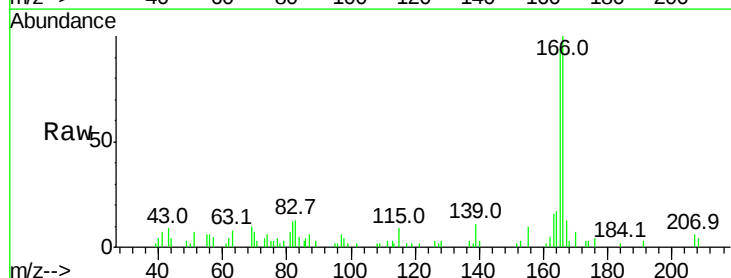
Tgt Ion:166 Resp: 29624

Ion Ratio Lower Upper

166 100

165 94.4 80.0 120.0

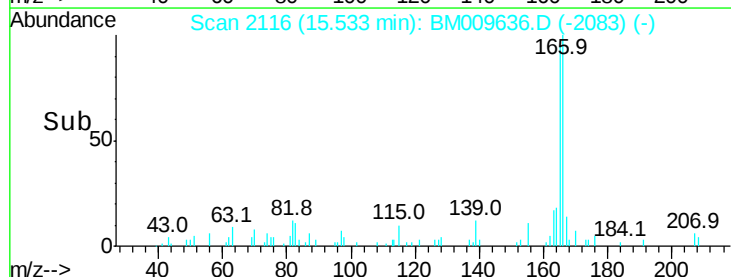
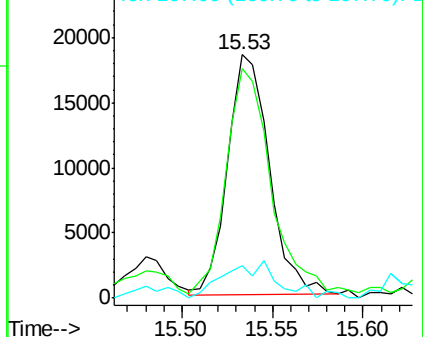
167 13.2 11.6 17.4

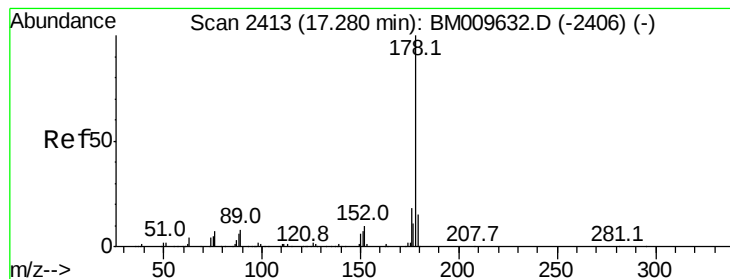


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#14

Phenanthrene

Concen: 16.26 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. 0.00 min

Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

Instrument :

BNA_M

ClientSampleId :

CB391

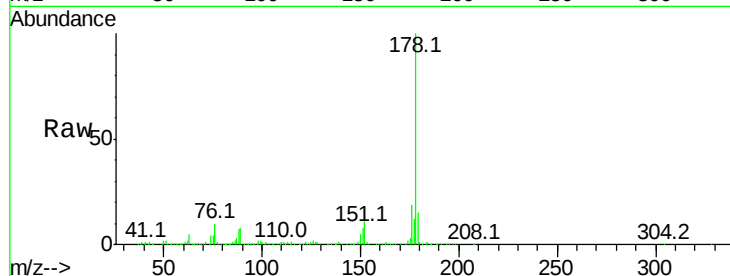
Tot Ion:178 Resp: 739221

Ion Ratio Lower Upper

178 100

179 14.6 12.2 18.4

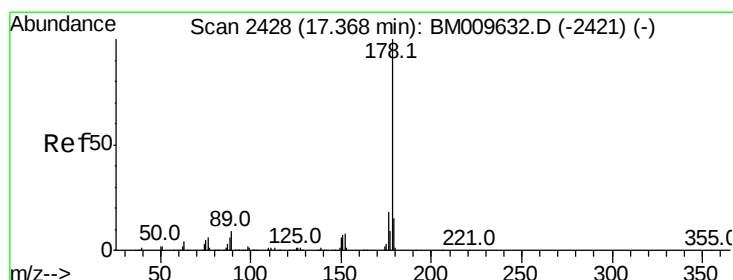
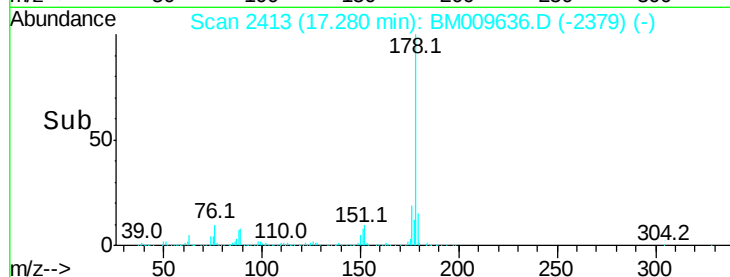
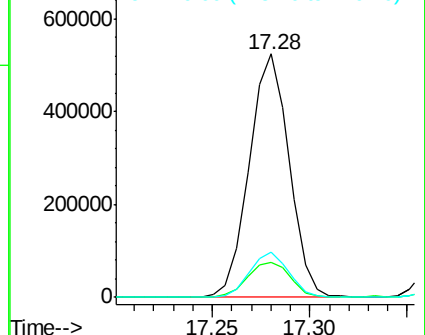
176 18.6 16.4 24.6



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: 3.98 ng/ul

RT: 17.37 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

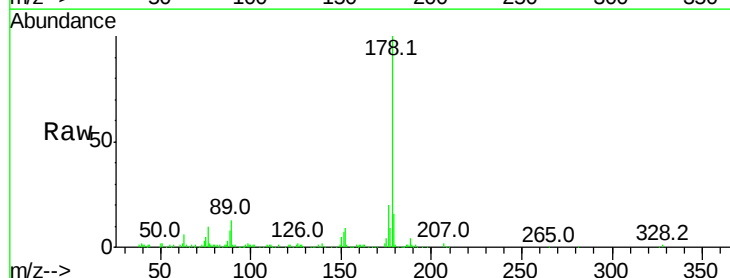
Tgt Ion:178 Resp: 187196

Ion Ratio Lower Upper

178 100

179 15.7 12.7 19.1

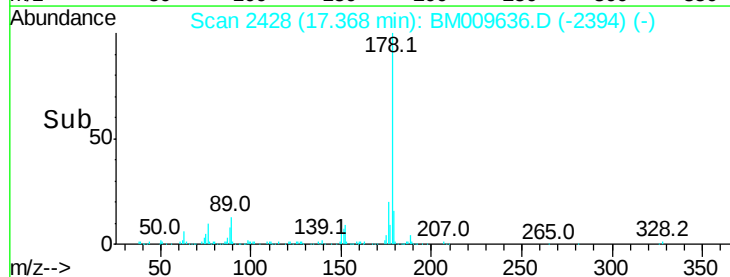
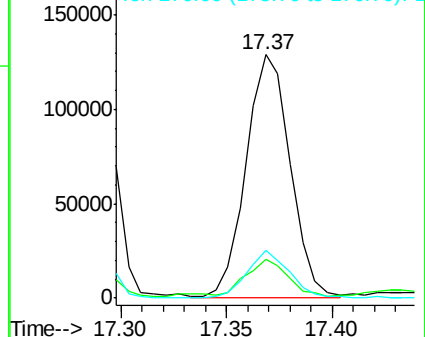
176 19.7 15.8 23.8

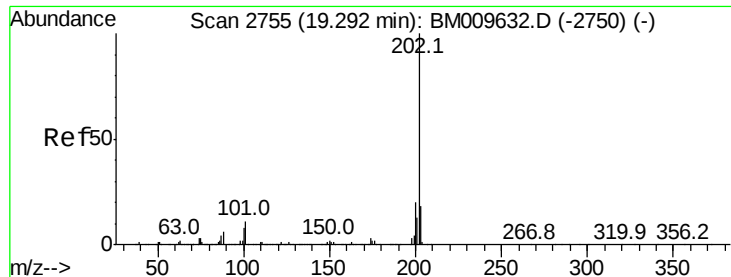


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



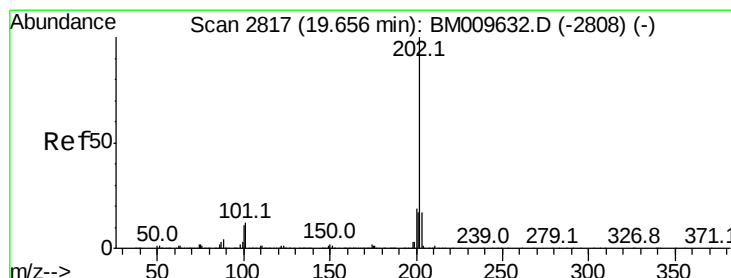
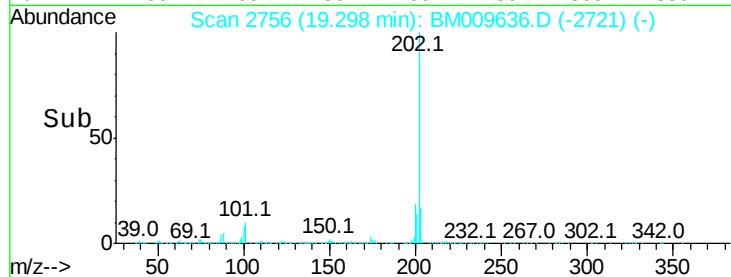
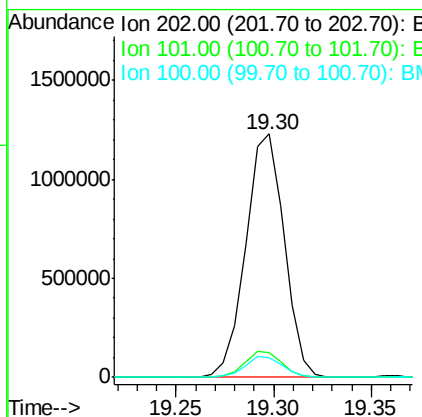
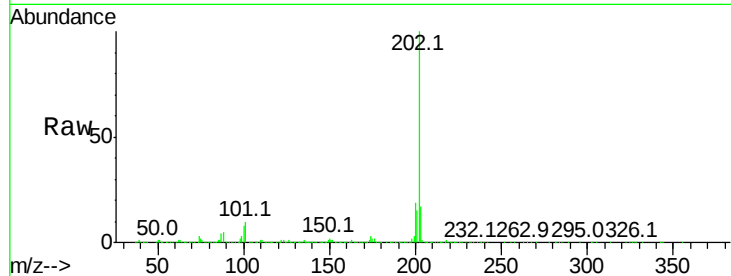


#17
Fluoranthene
 Concen: 29.58 ng/ul
 RT: 19.30 min Scan# 2756
 Delta R.T. 0.01 min
 Lab File: BM009636.D
 Acq: 07 Apr 2017 19:26

Instrument :
 BNA_M
 ClientSampleId :
 CB391

Tot Ion:202 Resp: 1675342

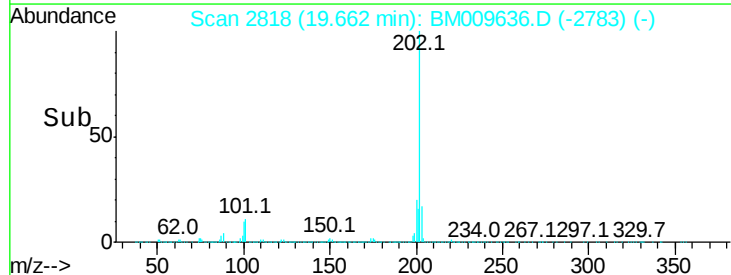
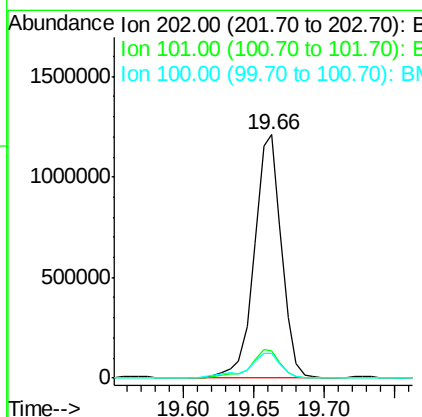
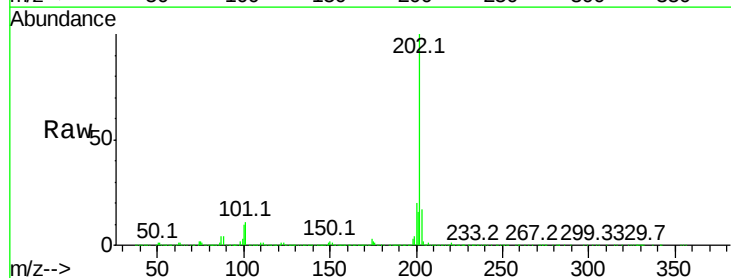
Ion	Ratio	Lower	Upper
202	100		
101	10.3	9.8	14.8
100	8.2	7.5	11.3

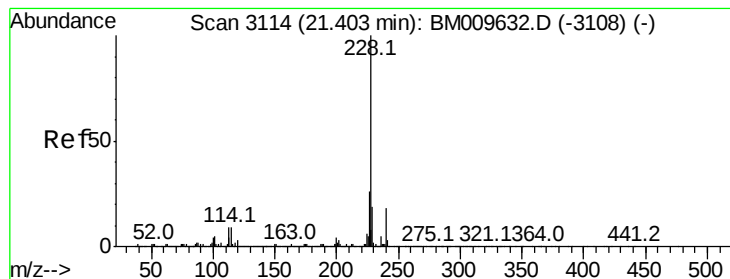


#20
Pyrene
 Concen: 28.96 ng/ul
 RT: 19.66 min Scan# 2818
 Delta R.T. 0.01 min
 Lab File: BM009636.D
 Acq: 07 Apr 2017 19:26

Tgt Ion:202 Resp: 1633628

Ion	Ratio	Lower	Upper
202	100		
101	11.3	11.2	16.8
100	10.3	9.8	14.6





#21

Benzo(a)anthracene

Concen: 16.90 ng/ul

RT: 21.40 min Scan# 3114

Delta R.T. 0.00 min

Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

Instrument :

BNA_M

ClientSampled :

CB391

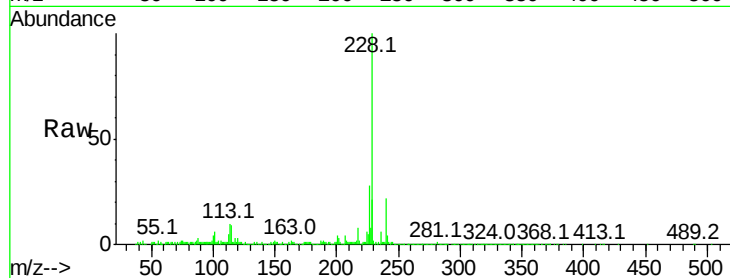
Tot Ion:228 Resp: 989750

Ion Ratio Lower Upper

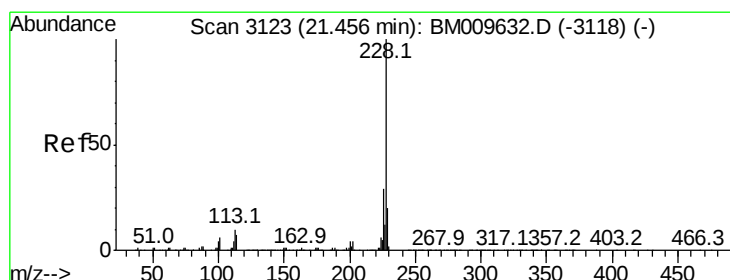
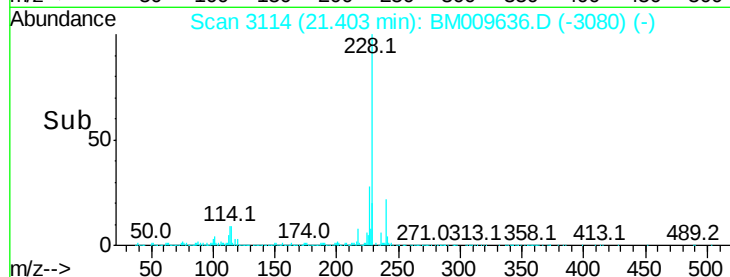
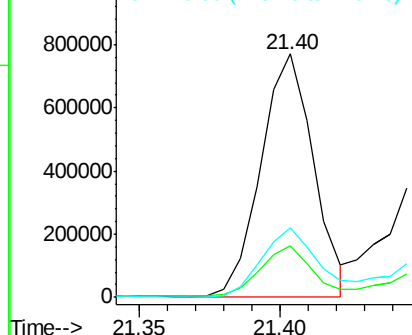
228 100

229 21.0 15.9 23.9

226 28.4 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: 17.59 ng/ul

RT: 21.46 min Scan# 3123

Delta R.T. 0.00 min

Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

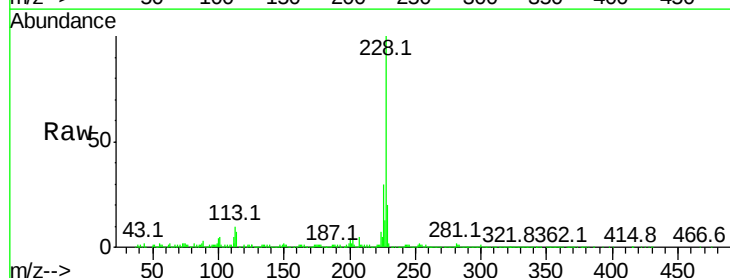
Tgt Ion:228 Resp: 944636

Ion Ratio Lower Upper

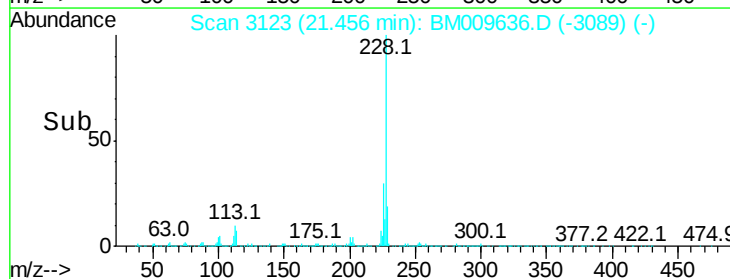
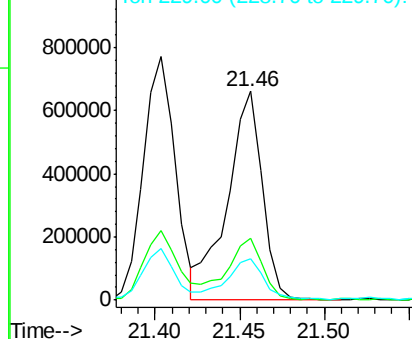
228 100

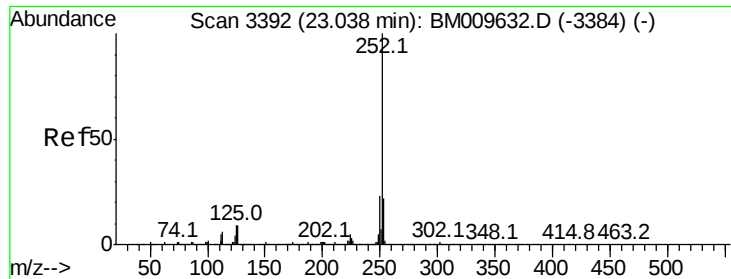
226 29.7 25.0 37.6

229 19.8 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: 22.67 ng/ul

RT: 23.04 min Scan# 3393

Delta R.T. 0.01 min

Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

Instrument :

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ClientSampleId :

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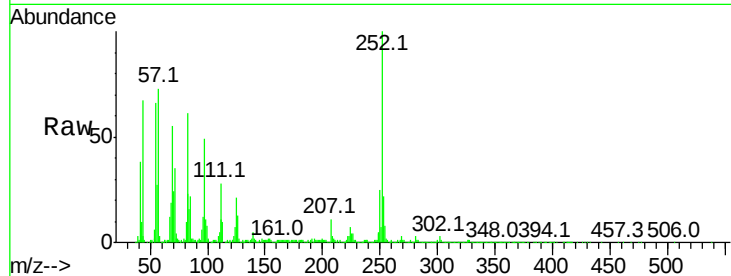
Tot Ion:252 Resp: 1420568

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

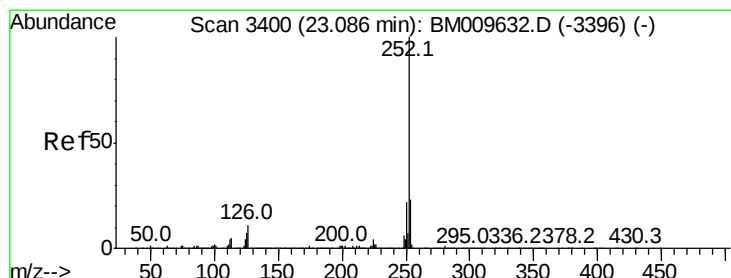
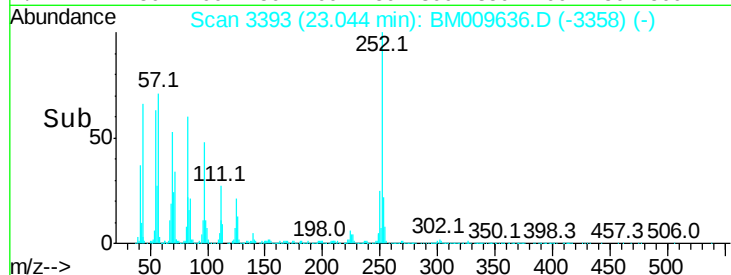
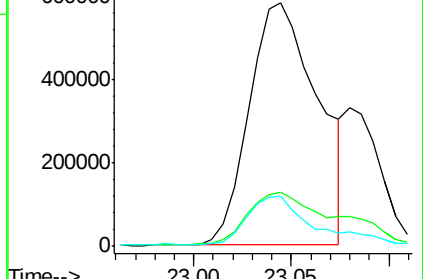
125 20.8 9.4 14.0#



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: 3.43 ng/ul

RT: 23.22 min Scan# 3423

Delta R.T. 0.14 min

Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

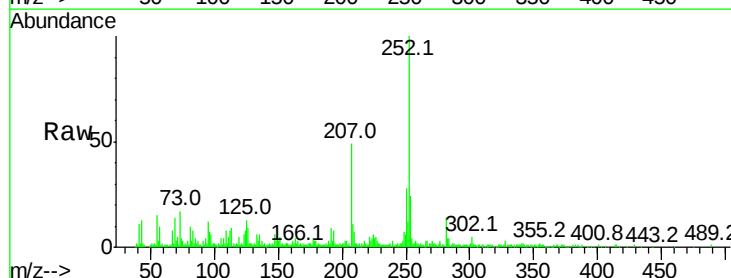
Tgt Ion:252 Resp: 205080

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.2

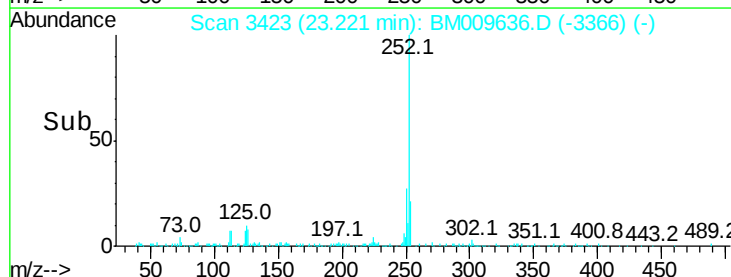
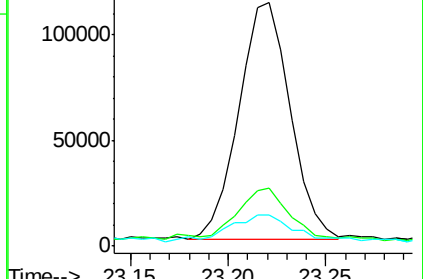
125 12.6 8.8 13.2

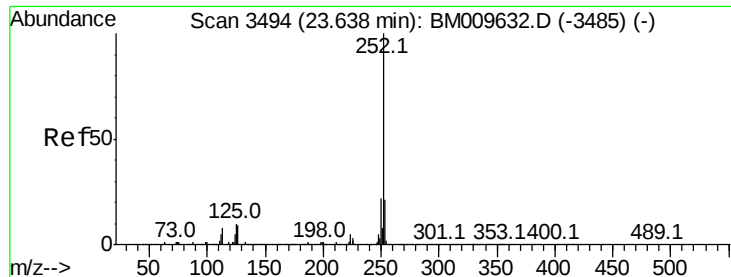


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 16.05 ng/ul

RT: 23.64 min Scan# 3495

Delta R.T. 0.01 min

Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

Instrument :

BNA_M

ClientSampleId :

CB391

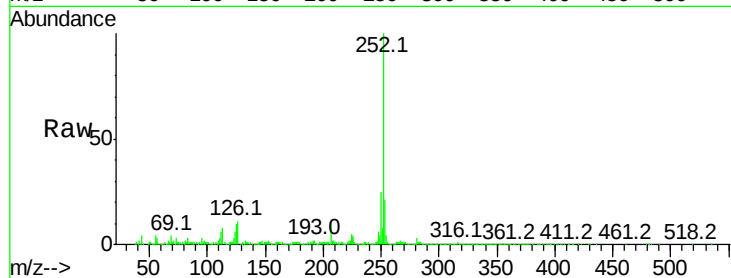
Tot Ion:252 Resp: 955984

Ion Ratio Lower Upper

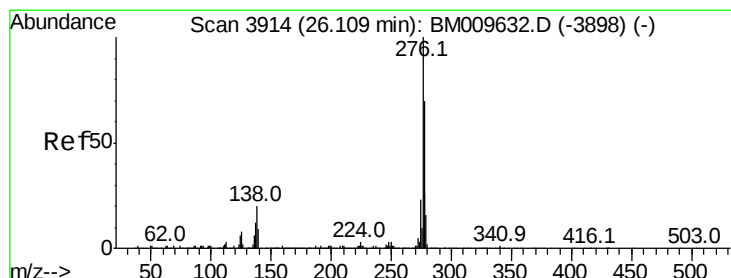
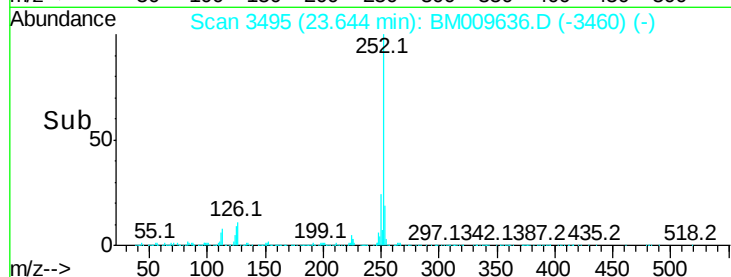
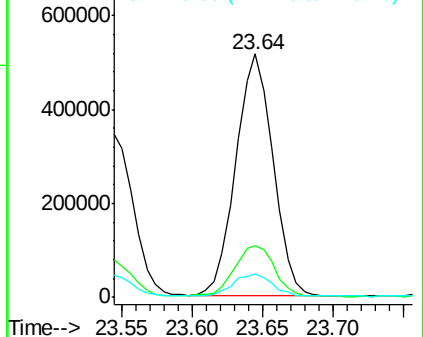
252 100

253 21.1 17.1 25.7

125 9.6 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: 10.06 ng/ul

RT: 26.11 min Scan# 3915

Delta R.T. 0.01 min

Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

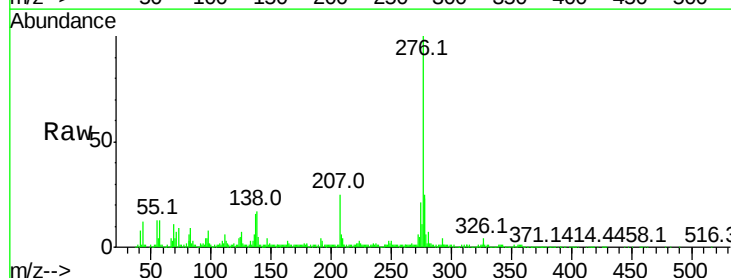
Tgt Ion:276 Resp: 671911

Ion Ratio Lower Upper

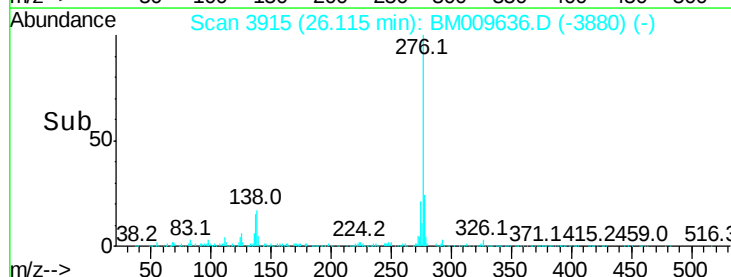
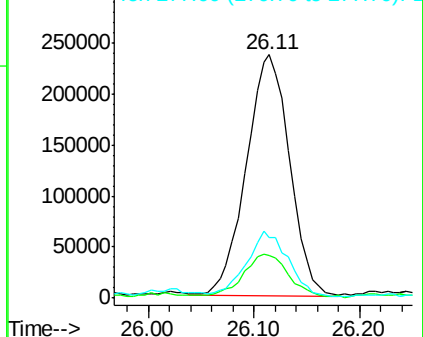
276 100

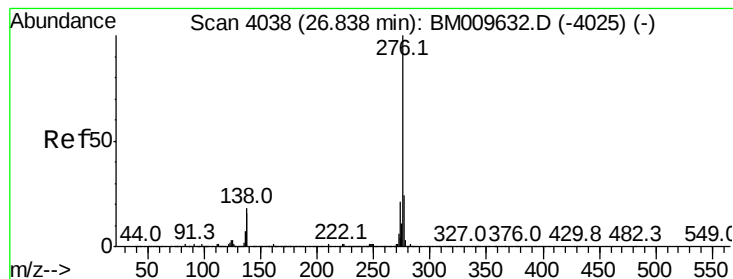
138 17.3 17.8 26.6#

277 24.9 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: 12.05 ng/ul

RT: 26.85 min Scan# 4040

Delta R.T. 0.01 min

Lab File: BM009636.D

Acq: 07 Apr 2017 19:26

Instrument :

BNA_M

ClientSampleId :

CB391

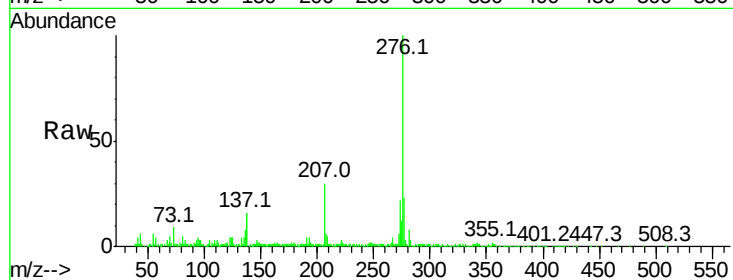
Tot Ion:276 Resp: 663504

Ion Ratio Lower Upper

276 100

138 15.7 19.0 28.4#

277 22.8 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

