

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060616\
 Data File : BM005682.D
 Acq On : 06 Jun 2016 22:43
 Operator : UM/SJ
 Sample : H3412-15
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XT4

Quant Time: Jun 07 05:11:31 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM060216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 07 04:25:20 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	124046	20.00	ng/ul	0.00
7) Naphthalene-d8	10.55	136	495728	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.40	164	229127	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.14	188	443286	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	446376	20.00	ng/ul	0.00
34) Perylene-d12	23.59	264	467051	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.22	96	3348	1.13	ng/uL	0.00
3) Phenol-d5	6.94	99	118238	10.84	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.09	67	84475	12.73	ng/ul	0.00
5) 2-Chlorophenol-d4	7.29	132	105866	11.77	ng/ul	0.00
6) 4-Methylphenol-d8	8.47	113	61397	7.12	ng/ul	0.00
8) Nitrobenzene-d5	8.92	128	48902	12.85	ng/ul	0.00
9) 2-Nitrophenol-d4	9.64	143	49438	12.14	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.18	165	84626	11.69	ng/ul	0.00
12) 4-Chloroaniline-d4	10.69	131	72985	8.48	ng/ul	0.00
16) Dimethylphthalate-d6	13.81	166	241893	13.73	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	310068	13.53	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	17850	7.08	ng/ul	0.01
21) Fluorene-d10	15.39	176	210619	13.92	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	10749	5.15	ng/ul	0.00
26) Anthracene-d10	17.24	188	290372	13.79	ng/ul	0.00
30) Pyrene-d10	19.54	212	315253	14.05	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.44	264	310616	14.45	ng/ul	0.00

Target Compounds

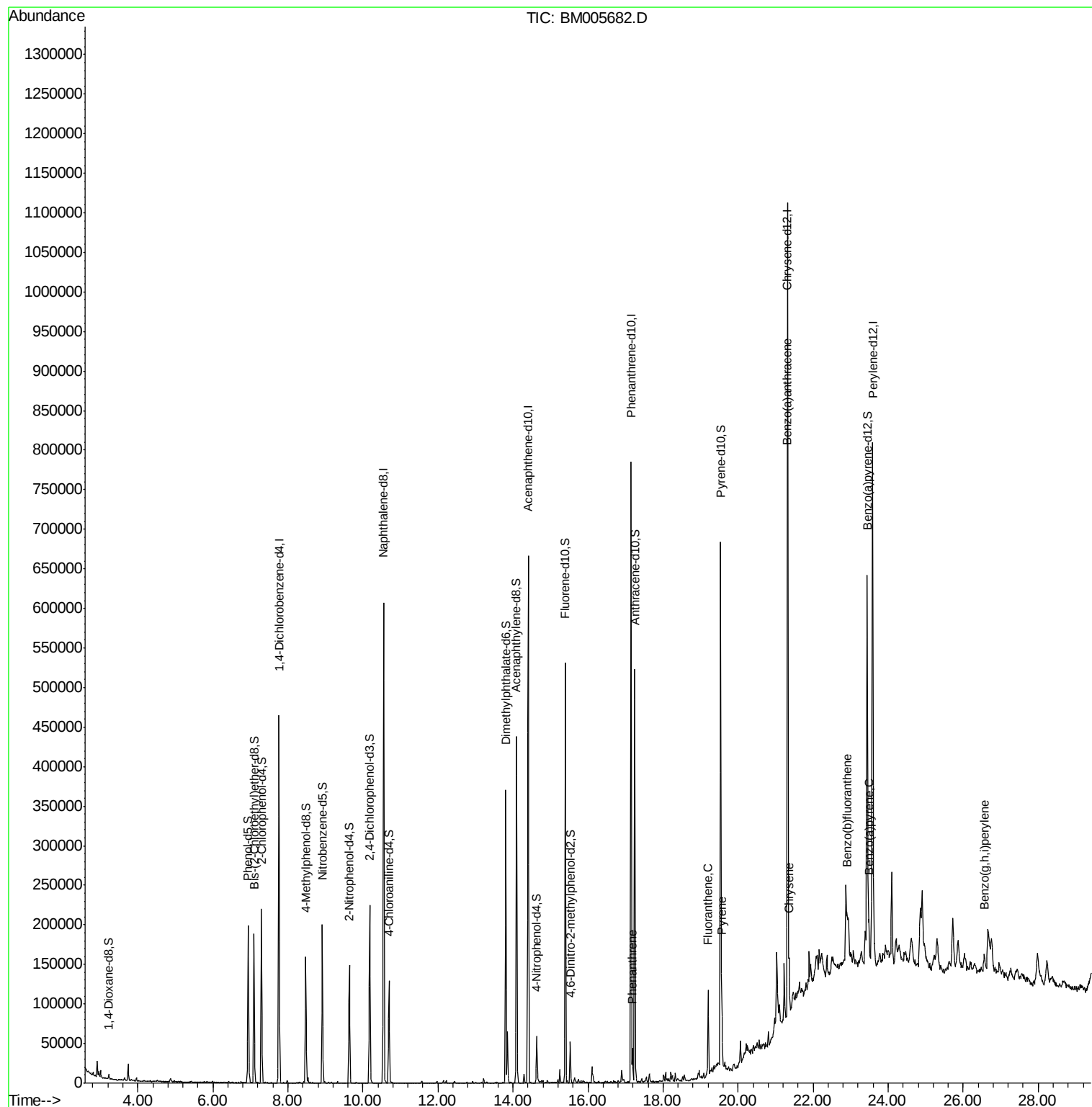
						Qvalue
25) Phenanthrene	17.19	178	27009	1.10	ng/ul	97
28) Fluoranthene	19.20	202	61933	2.48	ng/ul	98
31) Pyrene	19.57	202	58693	2.08	ng/ul	98
32) Benzo(a)anthracene	21.31	228	31667	1.21	ng/ul	96
33) Chrysene	21.36	228	35746	1.45	ng/ul	97
35) Benzo(b)fluoranthene	22.90	252	49648	1.76	ng/ul#	92
38) Benzo(a)pyrene	23.49	252	32634	1.20	ng/ul#	94
41) Benzo(g,h,i)perylene	26.57	276	28896	1.07	ng/ul#	87

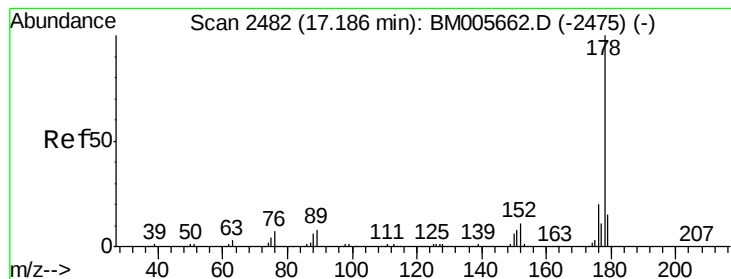
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 1.10 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. 0.00 min

Lab File: BM005682.D

Acq: 06 Jun 2016 22:43

Instrument :

BNA_M

ClientSampleId :

D9XT4

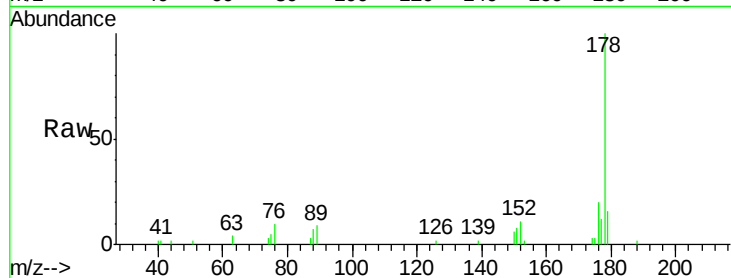
Tgt Ion:178 Resp: 27009

Ion Ratio Lower Upper

178 100

179 15.7 11.8 17.8

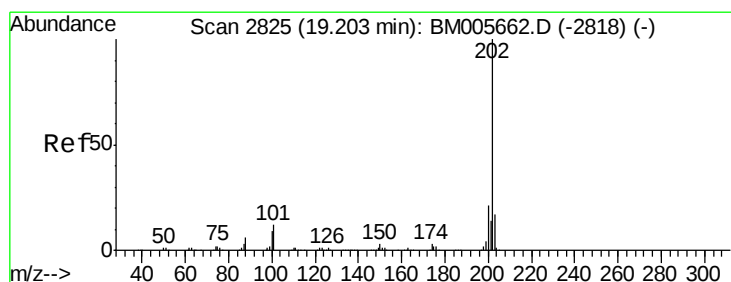
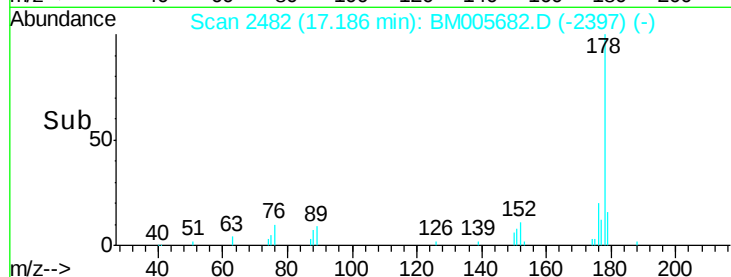
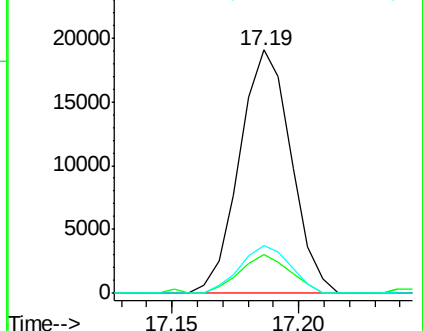
176 19.8 14.8 22.2



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



#28

Fluoranthene

Concen: 2.48 ng/ul

RT: 19.20 min Scan# 2825

Delta R.T. 0.00 min

Lab File: BM005682.D

Acq: 06 Jun 2016 22:43

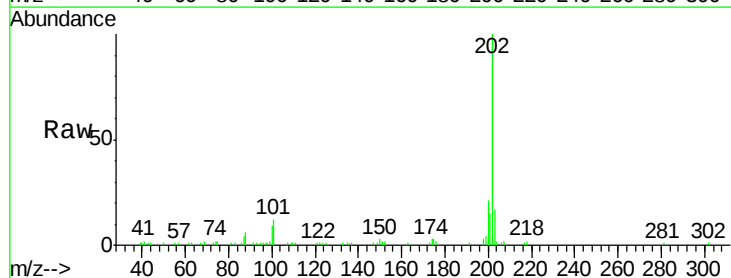
Tgt Ion:202 Resp: 61933

Ion Ratio Lower Upper

202 100

101 12.1 8.9 13.3

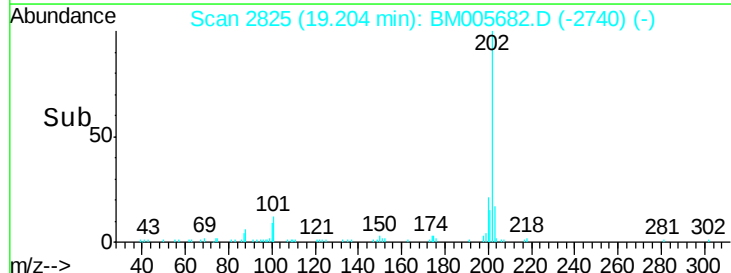
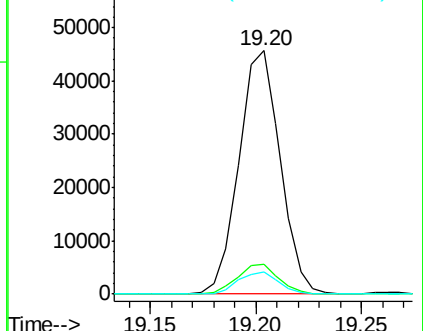
100 9.3 7.0 10.4

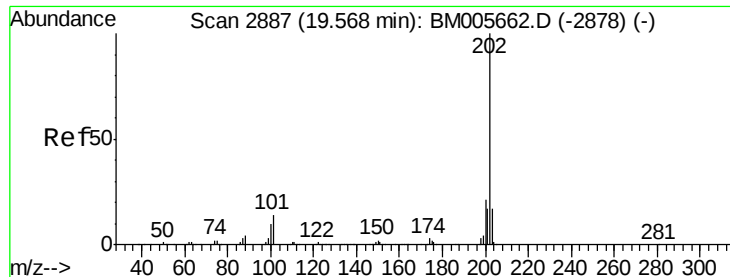


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

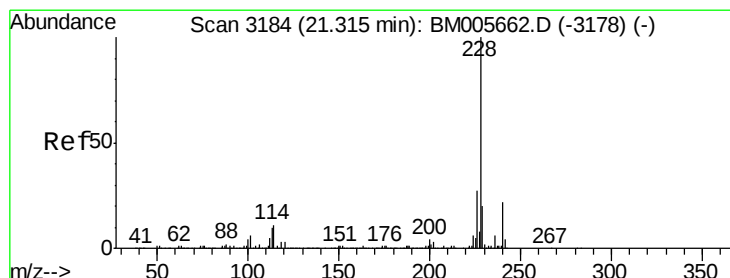
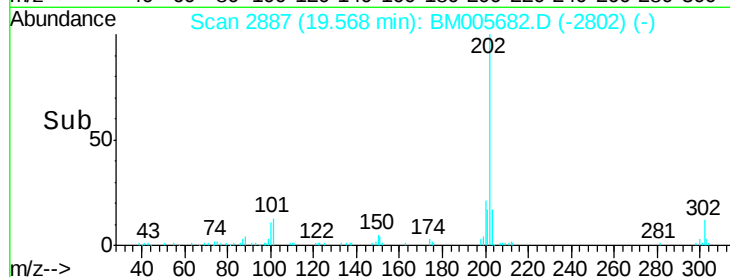
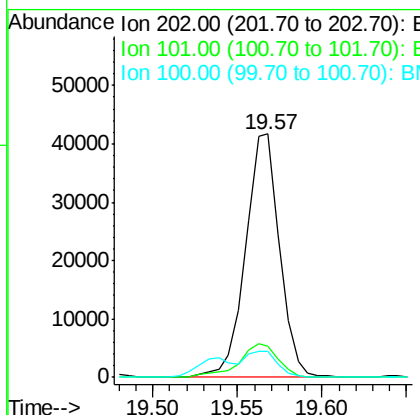
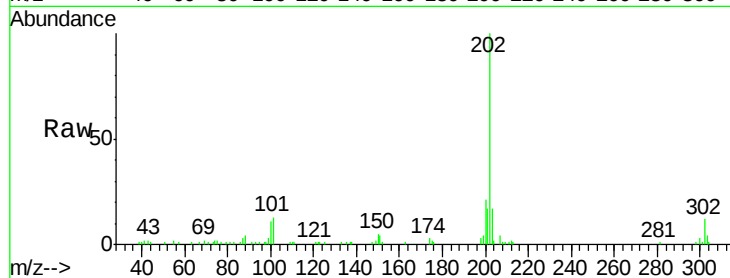




#31
 Pyrene
 Concen: 2.08 ng/ul
 RT: 19.57 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: BM005682.D
 Acq: 06 Jun 2016 22:43

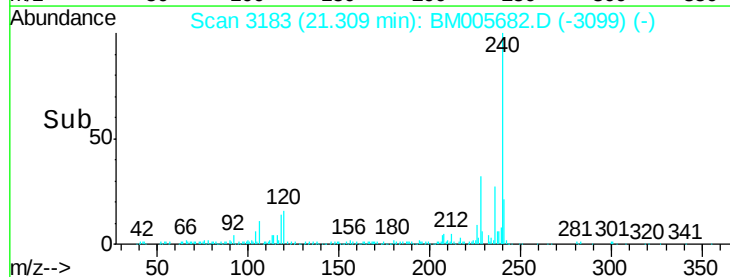
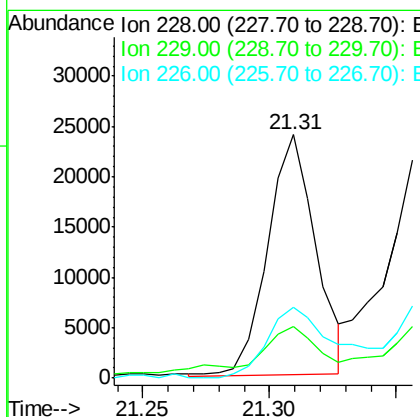
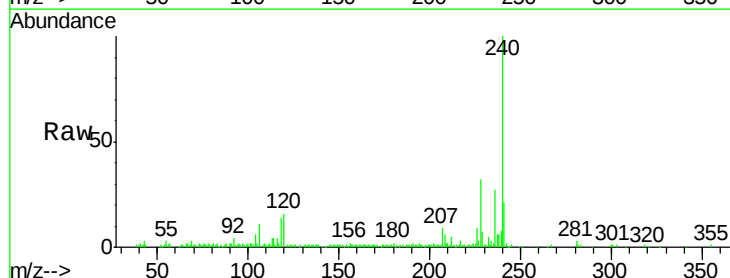
Instrument :
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 D9XT4

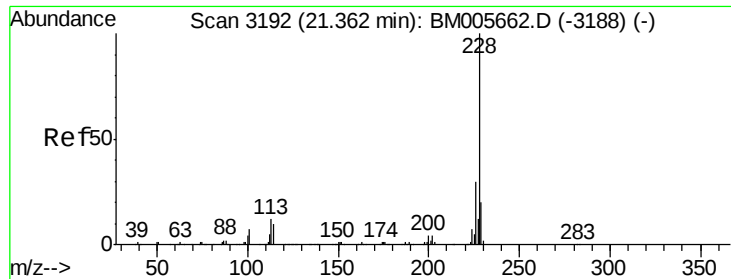
Tgt Ion:202 Resp: 58693
 Ion Ratio Lower Upper
 202 100
 101 12.7 9.8 14.8
 100 10.6 9.3 13.9



#32
 Benzo(a)anthracene
 Concen: 1.21 ng/ul
 RT: 21.31 min Scan# 3183
 Delta R.T. -0.01 min
 Lab File: BM005682.D
 Acq: 06 Jun 2016 22:43

Tgt Ion:228 Resp: 31667
 Ion Ratio Lower Upper
 228 100
 229 21.4 16.6 25.0
 226 29.0 21.0 31.4





#33

Chrysene

Concen: 1.45 ng/ul

RT: 21.36 min Scan# 3192

Delta R.T. 0.00 min

Lab File: BM005682.D

Acq: 06 Jun 2016 22:43

Instrument :

BNA_M

ClientSampleId :

D9XT4

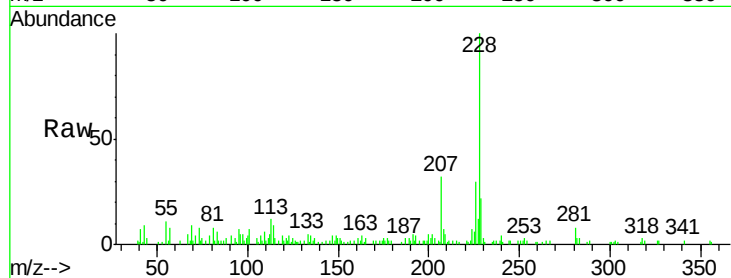
Tgt Ion:228 Resp: 35746

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.2

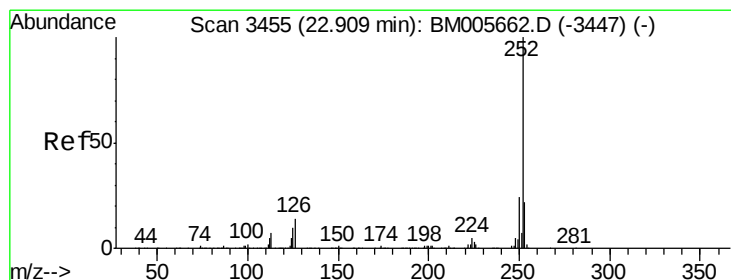
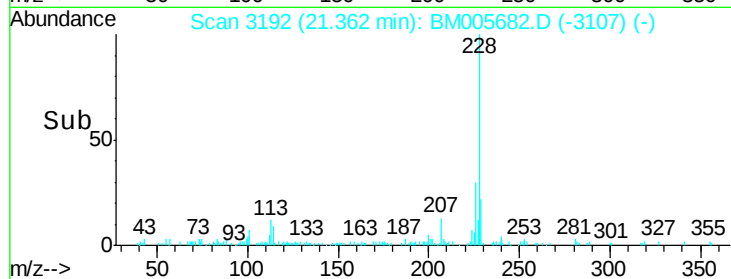
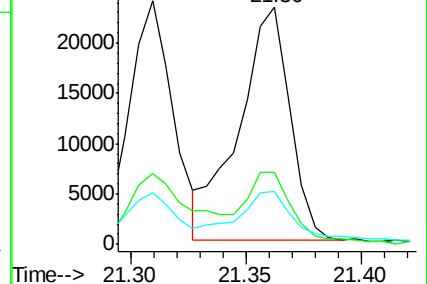
229 22.4 16.2 24.2



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



#35

Benzo(b)fluoranthene

Concen: 1.76 ng/ul

RT: 22.90 min Scan# 3454

Delta R.T. -0.01 min

Lab File: BM005682.D

Acq: 06 Jun 2016 22:43

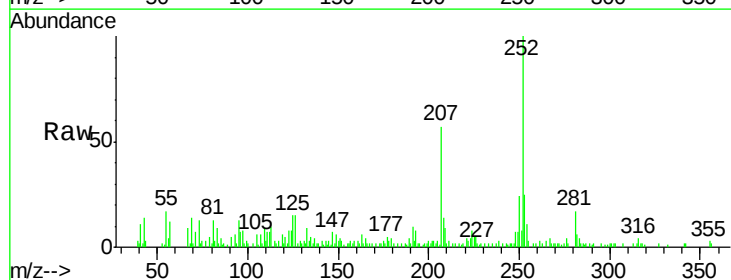
Tgt Ion:252 Resp: 49648

Ion Ratio Lower Upper

252 100

253 25.2 18.1 27.1

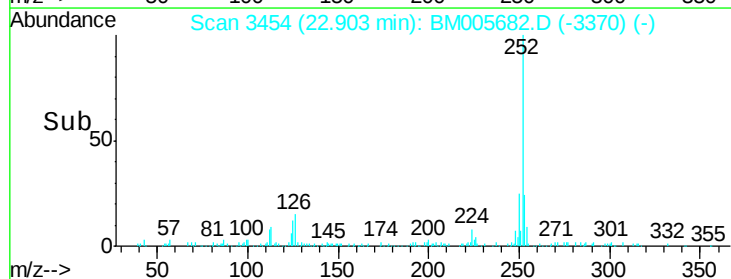
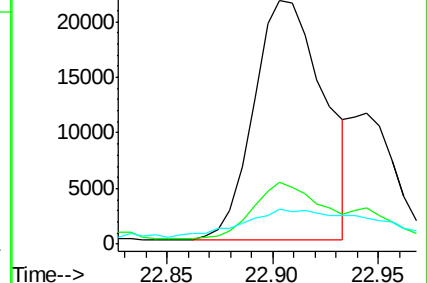
125 14.6 7.6 11.4#

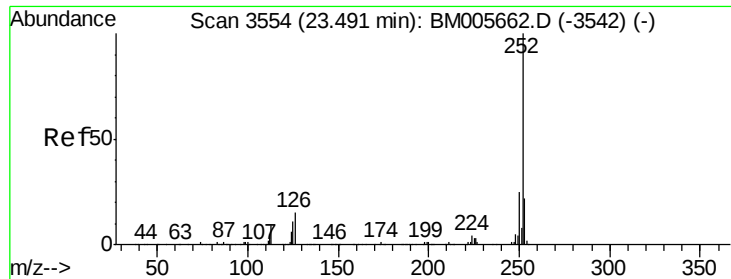


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 1.20 ng/ul

RT: 23.49 min Scan# 3553

Delta R.T. -0.01 min

Lab File: BM005682.D

Acq: 06 Jun 2016 22:43

Instrument :

BNA_M

ClientSampleId :

D9XT4

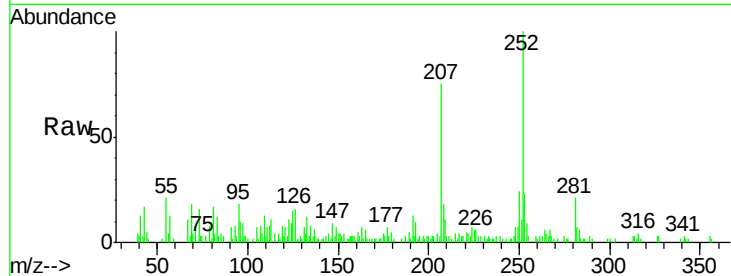
Tgt Ion:252 Resp: 32634

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

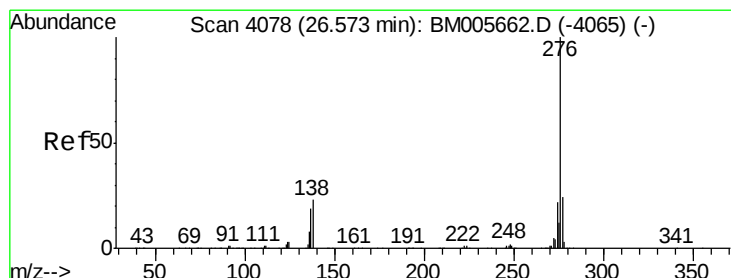
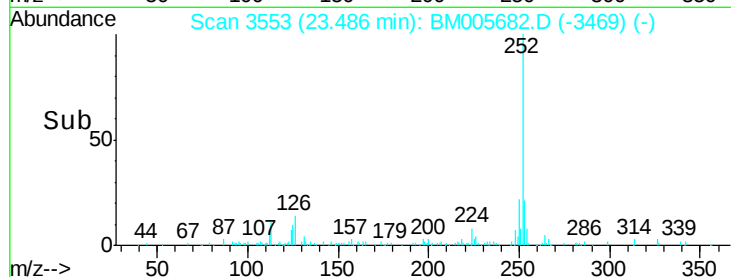
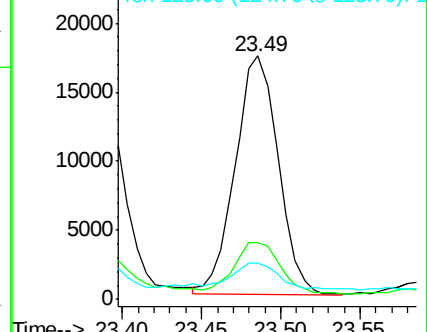
125 14.7 8.2 12.2#



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



#41

Benzo(g,h,i)perylene

Concen: 1.07 ng/ul

RT: 26.57 min Scan# 4078

Delta R.T. 0.00 min

Lab File: BM005682.D

Acq: 06 Jun 2016 22:43

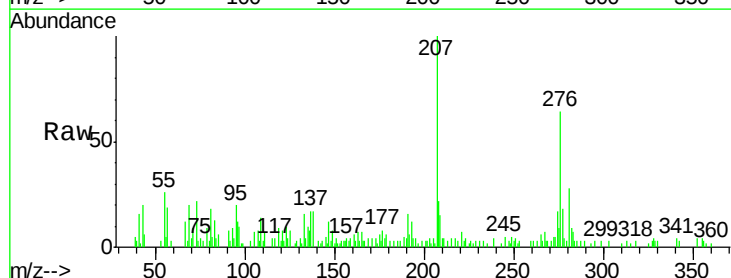
Tgt Ion:276 Resp: 28896

Ion Ratio Lower Upper

276 100

138 26.4 13.9 20.9#

277 28.9 19.8 29.6



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

