

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060616\
 Data File : BM005685.D
 Acq On : 07 Jun 2016 00:34
 Operator : UM/SJ
 Sample : H3412-19 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XT8

Quant Time: Jun 07 04:28:55 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	108460	20.00	ng/ul	0.00
7) Naphthalene-d8	10.56	136	430189	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.40	164	191959	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.15	188	376183	20.00	ng/ul	0.00
29) Chrysene-d12	21.33	240	385060	20.00	ng/ul	0.00
34) Perylene-d12	23.60	264	396191	20.00	ng/ul	0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.22	96	2317	0.90	ng/uL	0.00
3) Phenol-d5	6.95	99	100100	10.50	ng/ul	0.01
4) Bis-(2-Chloroethyl)ether-d	7.10	67	62814	10.83	ng/ul	0.00
5) 2-Chlorophenol-d4	7.30	132	84616	10.76	ng/ul	0.00
6) 4-Methylphenol-d8	8.48	113	64432	8.54	ng/ul	0.00
8) Nitrobenzene-d5	8.92	128	37033	11.21	ng/ul	0.00
9) 2-Nitrophenol-d4	9.64	143	36918	10.44	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.19	165	67019	10.67	ng/ul	0.00
12) 4-Chloroaniline-d4	10.70	131	12209	1.64	ng/ul	0.01
16) Dimethylphthalate-d6	13.81	166	179996	12.20	ng/ul	0.00
17) Acenaphthylene-d8	14.10	160	229945	11.98	ng/ul	0.00
20) 4-Nitrophenol-d4	14.64	143	19235	9.10	ng/ul	0.02
21) Fluorene-d10	15.40	176	154222	12.17	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	3654	2.06	ng/ul	0.00
26) Anthracene-d10	17.24	188	219535	12.29	ng/ul	0.00
30) Pyrene-d10	19.54	212	235458	12.17	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.46	264	223369	12.25	ng/ul	0.01

Target Compounds

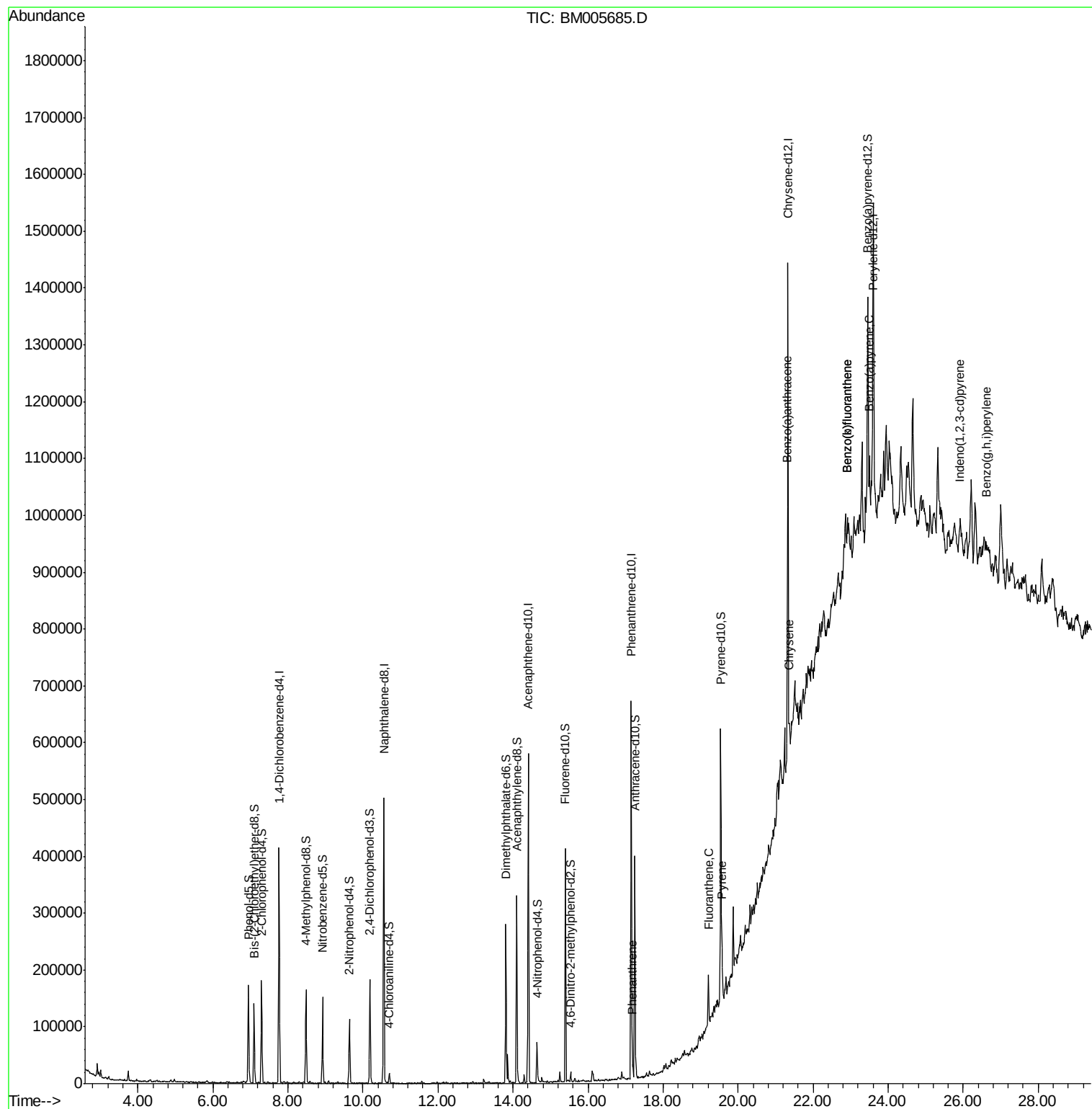
						Qvalue
25) Phenanthrene	17.19	178	20866	1.00	ng/ul	94
28) Fluoranthene	19.21	202	52858	2.49	ng/ul	98
31) Pyrene	19.57	202	50959	2.10	ng/ul	97
32) Benzo(a)anthracene	21.32	228	30613	1.36	ng/ul#	85
33) Chrysene	21.37	228	35698	1.67	ng/ul#	85
35) Benzo(b)fluoranthene	22.91	252	55094	2.31	ng/ul#	73
36) Benzo(k)fluoranthene	22.91	252	55094	2.46	ng/ul#	72
38) Benzo(a)pyrene	23.50	252	33608	1.46	ng/ul#	59
39) Indeno(1,2,3-cd)pyrene	25.90	276	29897	1.10	ng/ul#	66
41) Benzo(g,h,i)perylene	26.61	276	33768	1.48	ng/ul#	67

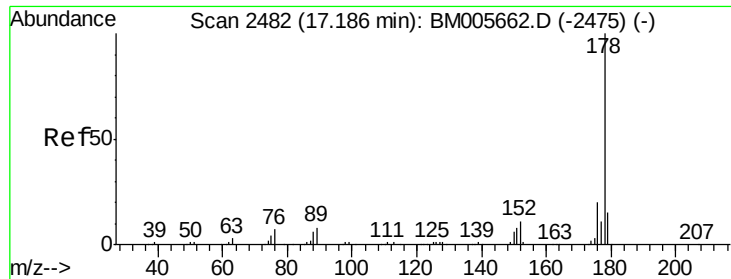
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 1.00 ng/ul

RT: 17.19 min Scan# 2483

Delta R.T. 0.01 min

Lab File: BM005685.D

Acq: 07 Jun 2016 00:34

Instrument :

BNA_M

ClientSampleId :

D9XT8

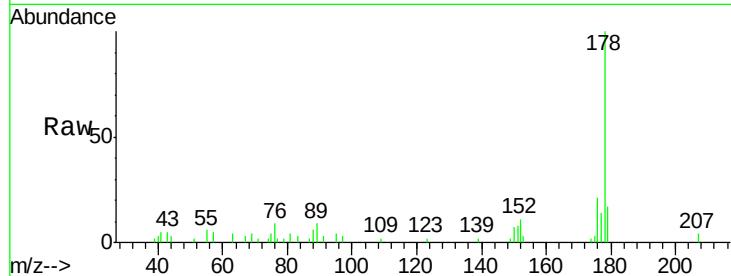
Tgt Ion:178 Resp: 20866

Ion Ratio Lower Upper

178 100

179 17.2 11.8 17.8

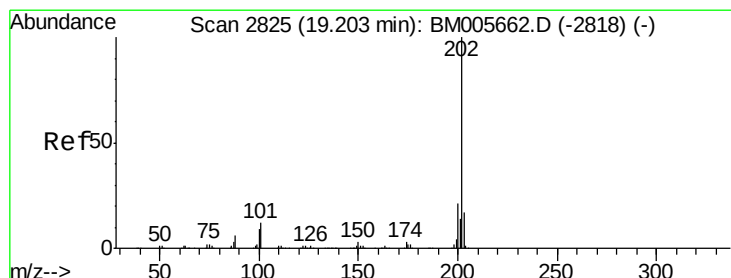
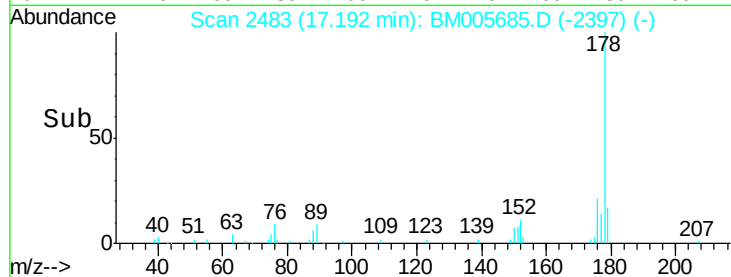
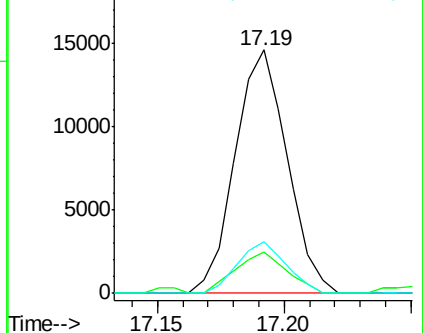
176 21.1 14.8 22.2



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: 2.49 ng/ul

RT: 19.21 min Scan# 2826

Delta R.T. 0.01 min

Lab File: BM005685.D

Acq: 07 Jun 2016 00:34

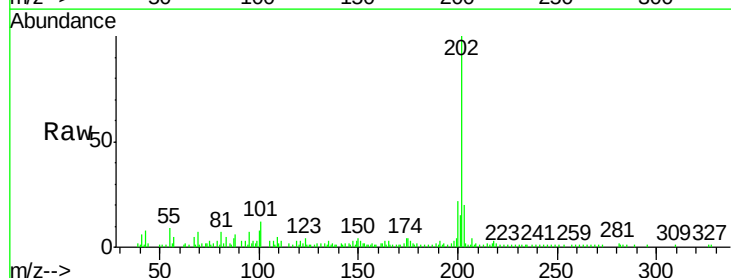
Tgt Ion:202 Resp: 52858

Ion Ratio Lower Upper

202 100

101 12.0 8.9 13.3

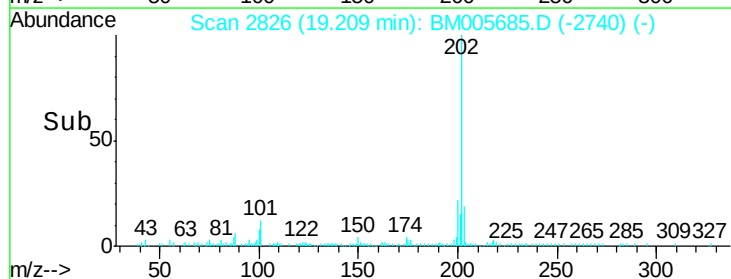
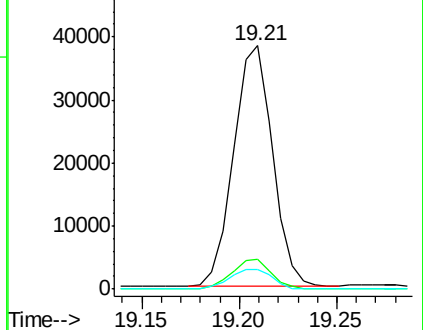
100 8.2 7.0 10.4

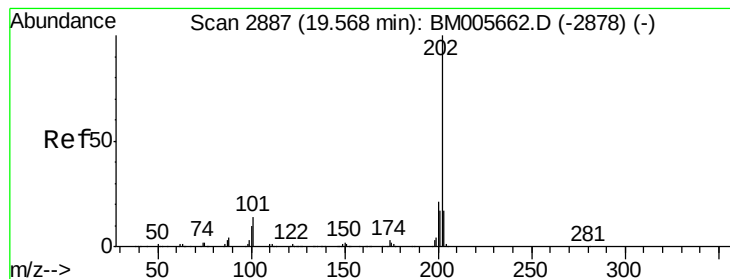


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pyrene

Concen: 2.10 ng/ul

RT: 19.57 min Scan# 2887

Delta R.T. 0.00 min

Lab File: BM005685.D

Acq: 07 Jun 2016 00:34

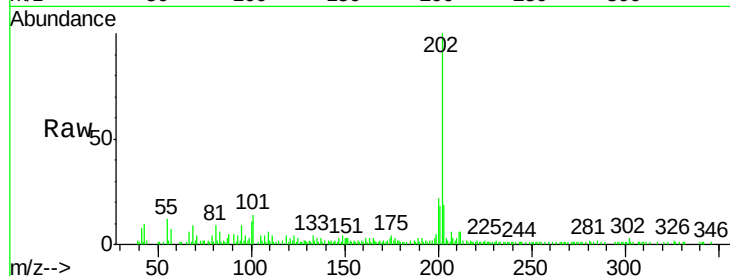
Instrument :

BNA_M

ClientSampleId :

D9XT8

Tgt Ion:	202	Resp:	50959
Ion	Ratio	Lower	Upper
202	100		
101	14.2	9.8	14.8
100	10.9	9.3	13.9

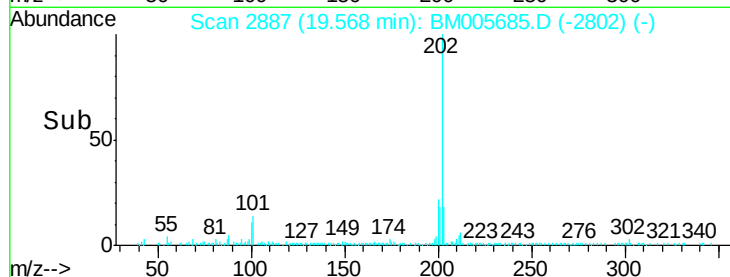


Abundance Ion 202.00 (201.70 to 202.70): E

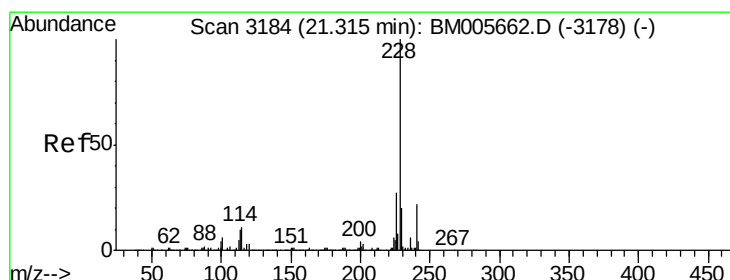
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time-->



Time-->



#32

Benzo(a)anthracene

Concen: 1.36 ng/ul

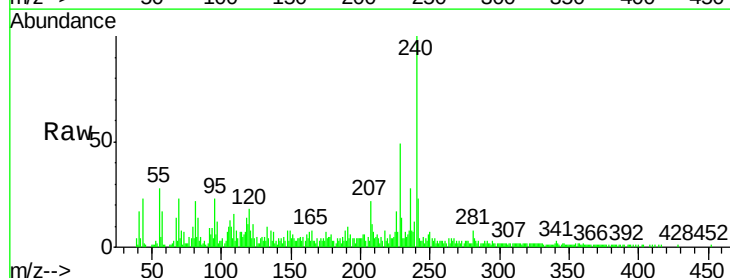
RT: 21.32 min Scan# 3184

Delta R.T. 0.00 min

Lab File: BM005685.D

Acq: 07 Jun 2016 00:34

Tgt Ion:	228	Resp:	30613
Ion	Ratio	Lower	Upper
228	100		
229	27.8	16.6	25.0#
226	33.7	21.0	31.4#

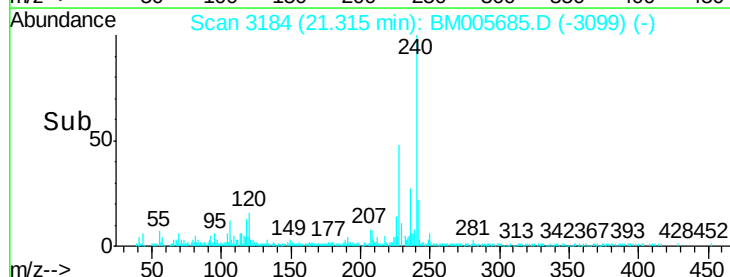


Abundance Ion 228.00 (227.70 to 228.70): E

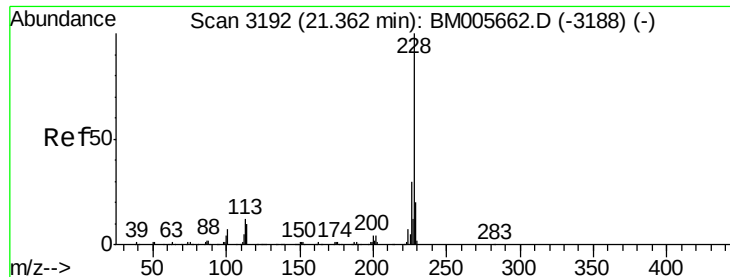
Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time-->



Time-->



#33

Chrysene

Concen: 1.67 ng/ul

RT: 21.37 min Scan# 3193

Delta R.T. 0.01 min

Lab File: BM005685.D

Acq: 07 Jun 2016 00:34

Instrument :

BNA_M

ClientSampleId :

D9XT8

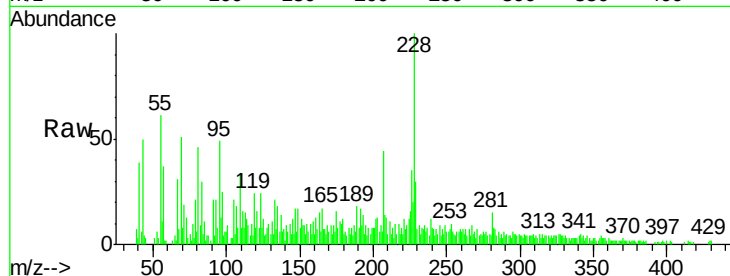
Tgt Ion:228 Resp: 35698

Ion Ratio Lower Upper

228 100

226 35.2 23.4 35.2#

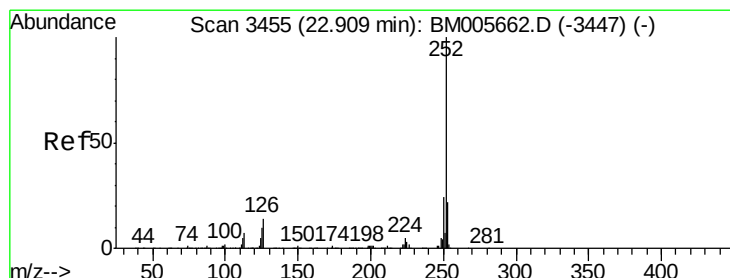
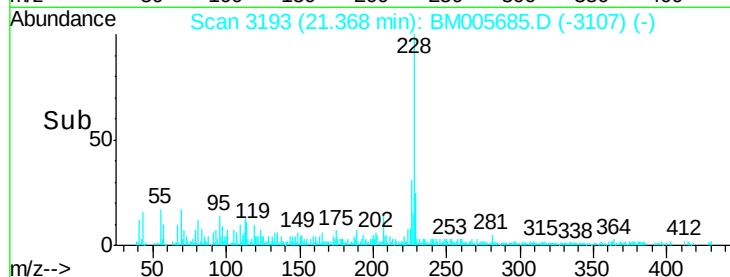
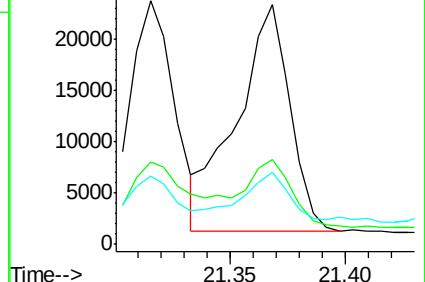
229 30.1 16.2 24.2#



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: 2.31 ng/ul

RT: 22.91 min Scan# 3456

Delta R.T. 0.01 min

Lab File: BM005685.D

Acq: 07 Jun 2016 00:34

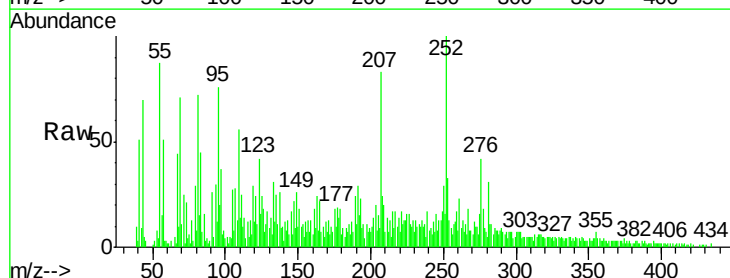
Tgt Ion:252 Resp: 55094

Ion Ratio Lower Upper

252 100

253 33.0 18.1 27.1#

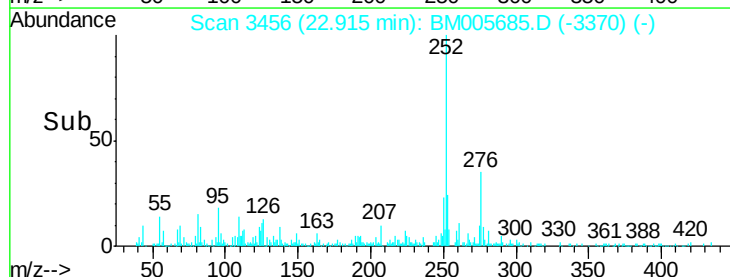
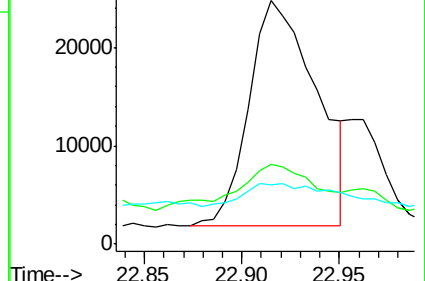
125 24.3 7.6 11.4#

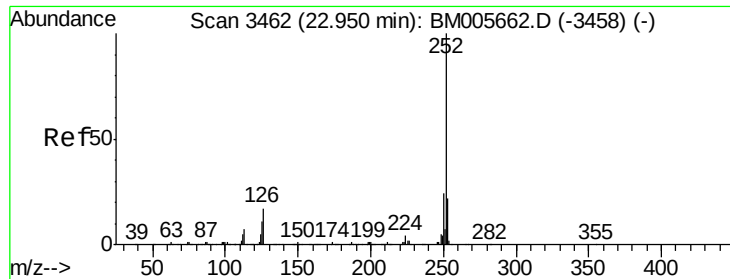


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 2.46 ng/ul

RT: 22.91 min Scan# 3456

Delta R.T. -0.04 min

Lab File: BM005685.D

Acq: 07 Jun 2016 00:34

Instrument :

BNA_M

ClientSampleId :

D9XT8

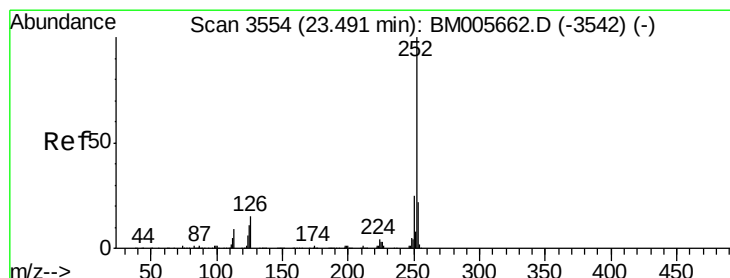
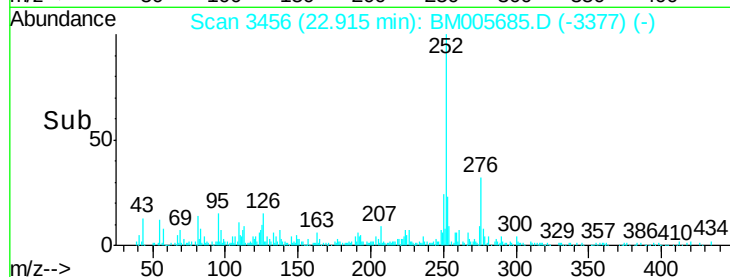
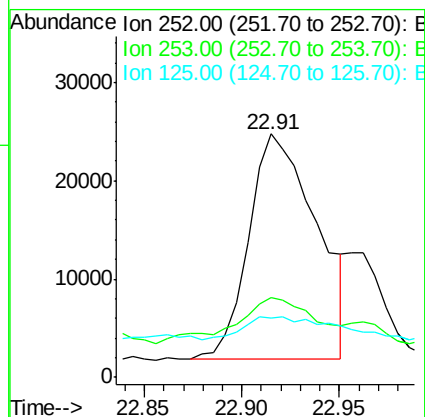
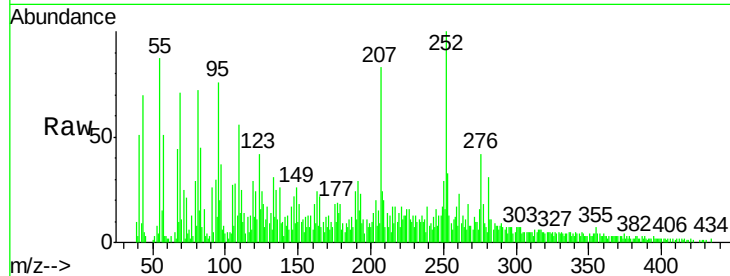
Tgt Ion:252 Resp: 55094

Ion Ratio Lower Upper

252 100

253 33.0 17.8 26.8#

125 24.3 7.7 11.5#



#38

Benzo(a)pyrene

Concen: 1.46 ng/ul

RT: 23.50 min Scan# 3555

Delta R.T. 0.01 min

Lab File: BM005685.D

Acq: 07 Jun 2016 00:34

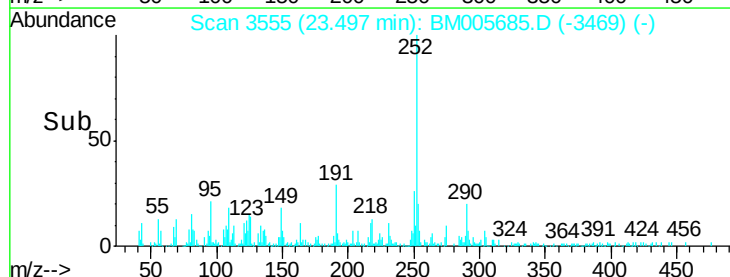
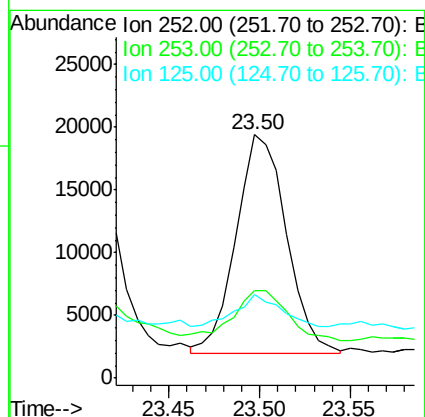
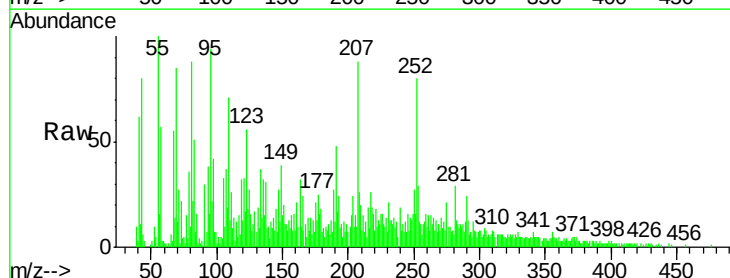
Tgt Ion:252 Resp: 33608

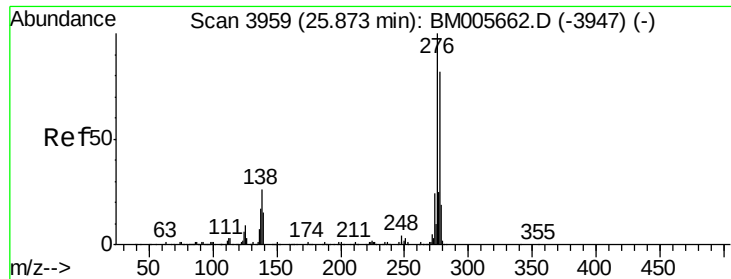
Ion Ratio Lower Upper

252 100

253 35.8 17.4 26.0#

125 34.3 8.2 12.2#





#39

Indeno(1,2,3-cd)pyrene

Concen: 1.10 ng/ul

RT: 25.90 min Scan# 3964

Delta R.T. 0.03 min

Lab File: BM005685.D

Acq: 07 Jun 2016 00:34

Instrument :

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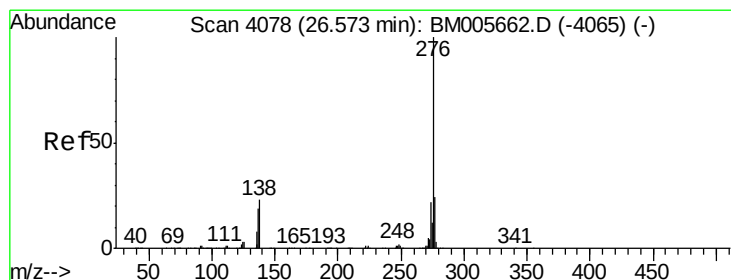
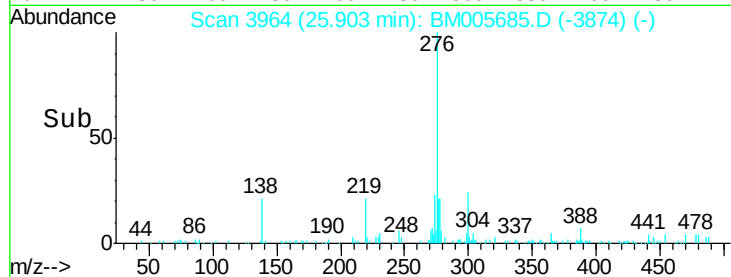
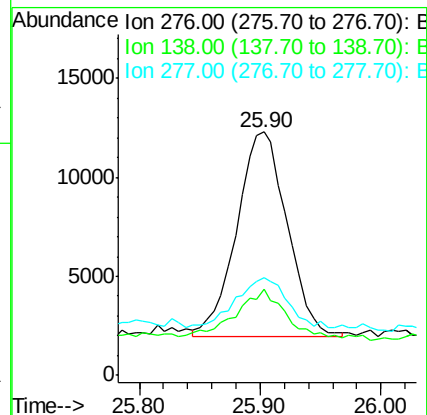
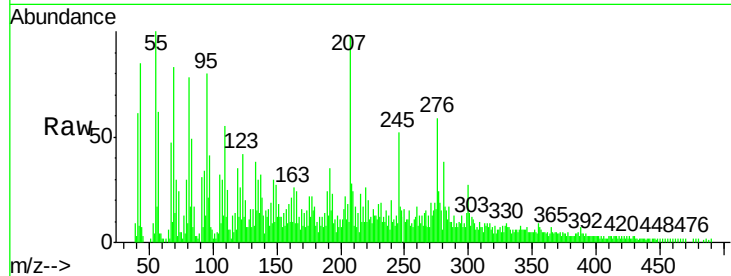
Tgt Ion:276 Resp: 29897

Ion Ratio Lower Upper

276 100

138 35.6 15.8 23.6#

277 40.0 19.0 28.6#



#41

Benzo(g,h,i)perylene

Concen: 1.48 ng/ul

RT: 26.61 min Scan# 4084

Delta R.T. 0.04 min

Lab File: BM005685.D

Acq: 07 Jun 2016 00:34

Tgt Ion:276 Resp: 33768

Ion Ratio Lower Upper

276 100

138 34.4 13.9 20.9#

277 39.5 19.8 29.6#

