

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061216\
 Data File : BM005759.D
 Acq On : 12 Jun 2016 21:27
 Operator : UM/SJ
 Sample : H3536-21 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y31

Quant Time: Jun 13 03:32:04 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 13 03:29:45 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	98129	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	477719	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	280089	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.13	188	550383	20.00	ng/ul	-0.01
29) Chrysene-d12	21.32	240	400214	20.00	ng/ul	0.00
34) Perylene-d12	23.58	264	389646	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	1416	0.63	ng/uL	0.00
3) Phenol-d5	6.93	99	66108	7.81	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.07	67	43183	8.49	ng/ul	0.00
5) 2-Chlorophenol-d4	7.28	132	61556	8.99	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	46923	6.56	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	27105	7.87	ng/ul	0.00
9) 2-Nitrophenol-d4	9.63	143	30411	7.81	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	58487	8.28	ng/ul	0.00
12) 4-Chloroaniline-d4	10.70	131	4904	0.58	ng/ul	0.02
16) Dimethylphthalate-d6	13.80	166	220968	9.57	ng/ul	0.00
17) Acenaphthylene-d8	14.08	160	282047	9.98	ng/ul	0.00
20) 4-Nitrophenol-d4	14.64	143	14106	4.17	ng/ul	0.00
21) Fluorene-d10	15.39	176	193608	9.90	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	6752	2.37	ng/ul	-0.01
26) Anthracene-d10	17.23	188	258800	9.98	ng/ul	0.00
30) Pyrene-d10	19.53	212	226960	11.80	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.44	264	182388	10.26	ng/ul	0.00

Target Compounds

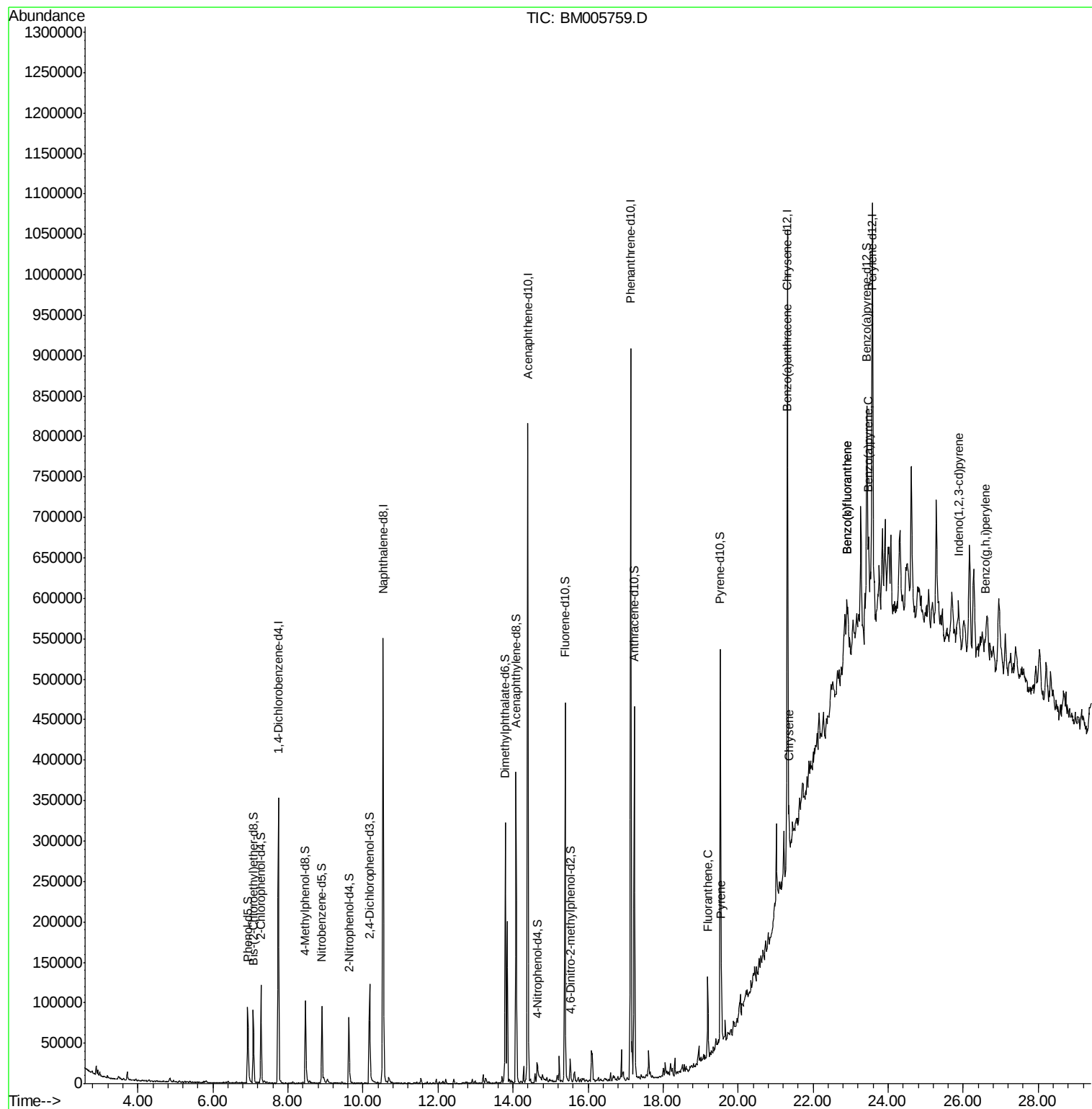
						Qvalue
28) Fluoranthene	19.19	202	58533	1.65	ng/ul	99
31) Pyrene	19.56	202	53219	2.19	ng/ul	99
32) Benzo(a)anthracene	21.30	228	29215	1.26	ng/ul#	91
33) Chrysene	21.36	228	32632	1.43	ng/ul#	93
35) Benzo(b)fluoranthene	22.90	252	53944	2.33	ng/ul#	83
36) Benzo(k)fluoranthene	22.90	252	53944	2.31	ng/ul#	81
38) Benzo(a)pyrene	23.48	252	29245	1.33	ng/ul#	68
39) Indeno(1,2,3-cd)pyrene	25.87	276	26679	1.24	ng/ul#	90
41) Benzo(g,h,i)perylene	26.59	276	28984	1.62	ng/ul#	84

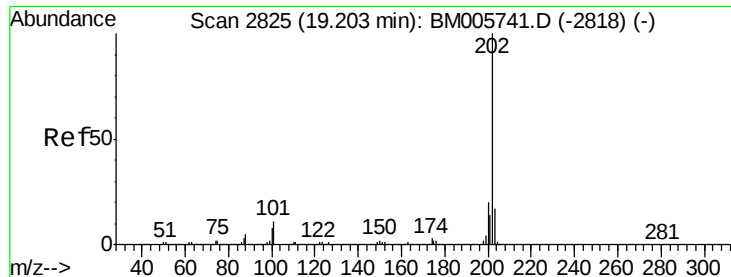
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#28

Fluoranthene

Concen: 1.65 ng/ul

RT: 19.19 min Scan# 2823

Delta R.T. -0.01 min

Lab File: BM005759.D

Acq: 12 Jun 2016 21:27

Instrument :

BNA_M

ClientSampled :

D9Y31

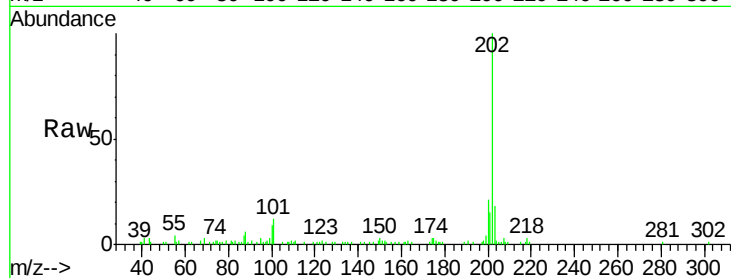
Tgt Ion:202 Resp: 58533

Ion Ratio Lower Upper

202 100

101 11.6 9.4 14.2

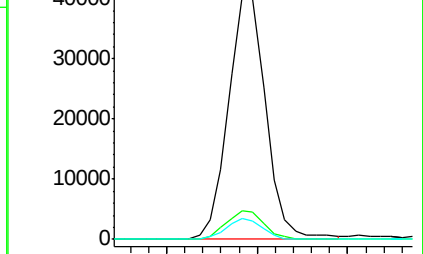
100 8.8 6.9 10.3



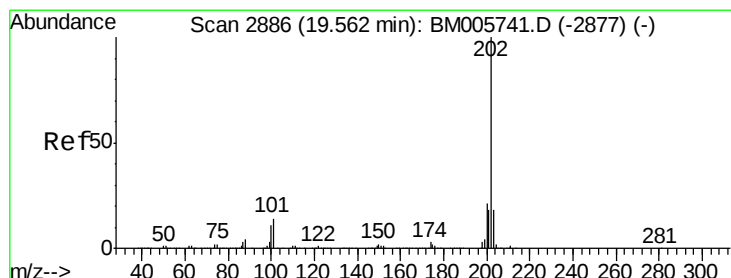
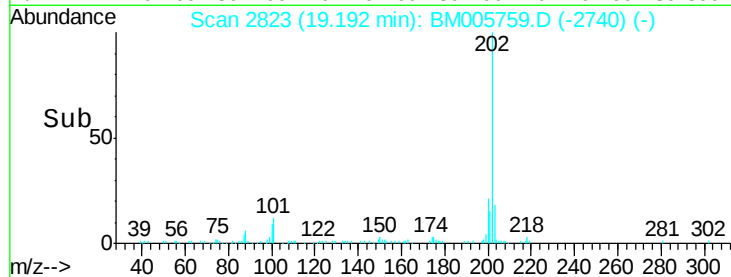
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#31

Pyrene

Concen: 2.19 ng/ul

RT: 19.56 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BM005759.D

Acq: 12 Jun 2016 21:27

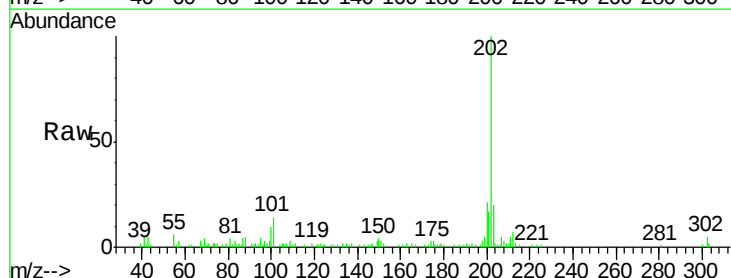
Tgt Ion:202 Resp: 53219

Ion Ratio Lower Upper

202 100

101 13.9 10.6 15.8

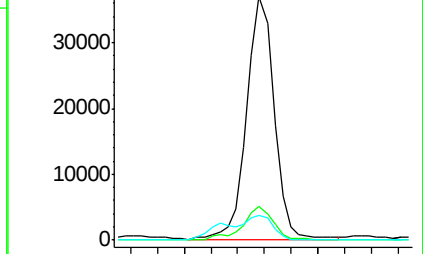
100 10.2 8.4 12.6



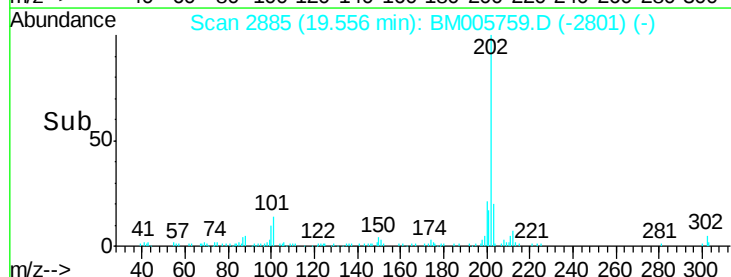
Abundance Ion 202.00 (201.70 to 202.70): E

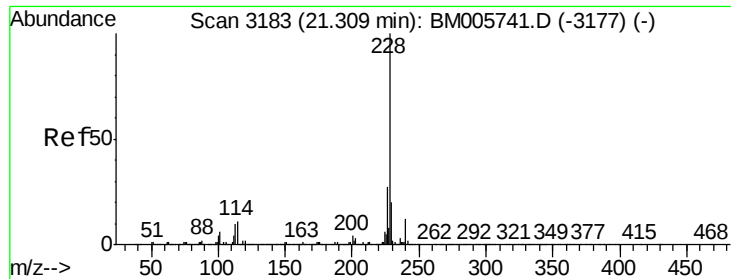
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#32

Benzo(a)anthracene

Concen: 1.26 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. -0.01 min

Lab File: BM005759.D

Acq: 12 Jun 2016 21:27

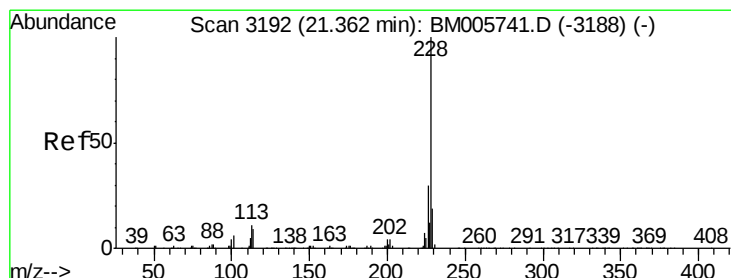
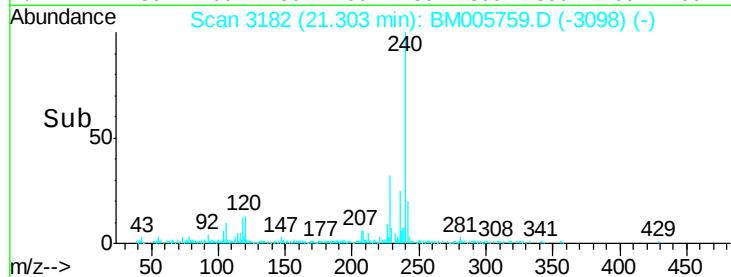
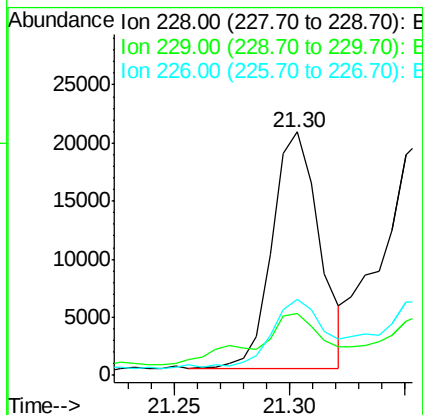
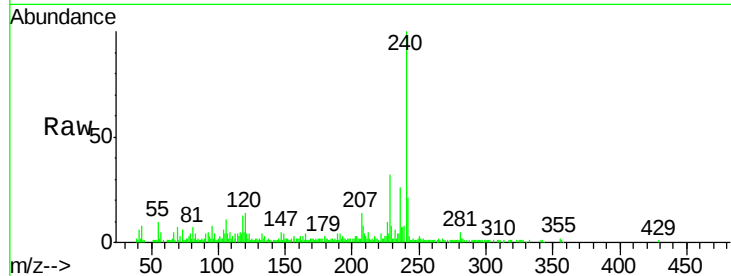
Instrument :

BNA_M

ClientSampleId :

D9Y31

Tgt Ion:	228	Resp:	29215
Ion Ratio	Lower	Upper	
228	100		
229	25.7	16.1	24.1#
226	31.2	22.1	33.1



#33

Chrysene

Concen: 1.43 ng/ul

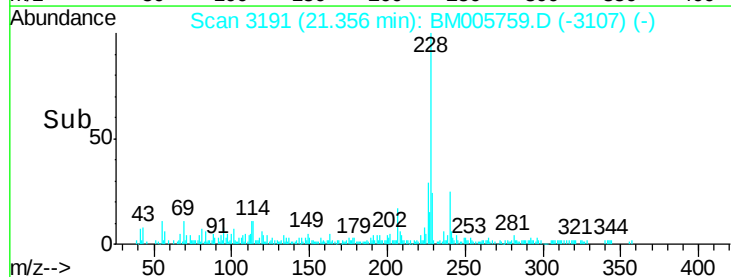
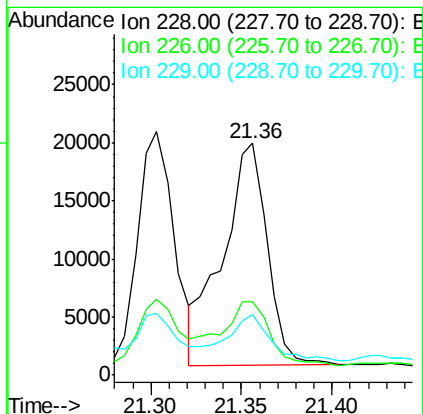
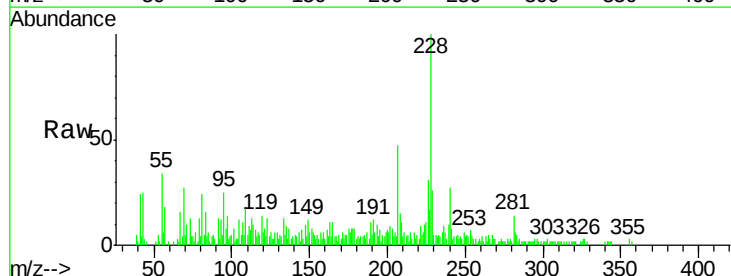
RT: 21.36 min Scan# 3191

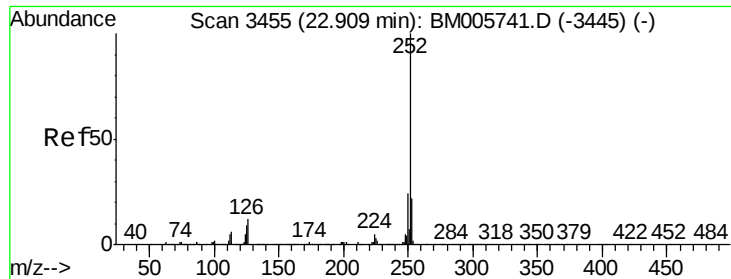
Delta R.T. -0.01 min

Lab File: BM005759.D

Acq: 12 Jun 2016 21:27

Tgt Ion:	228	Resp:	32632
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.2	36.2
229	25.9	15.8	23.8#





#35

Benzo(b)fluoranthene

Concen: 2.33 ng/ul

RT: 22.90 min Scan# 3454

Delta R.T. -0.01 min

Lab File: BM005759.D

Acq: 12 Jun 2016 21:27

Instrument :

BNA_M

ClientSampleId :

D9Y31

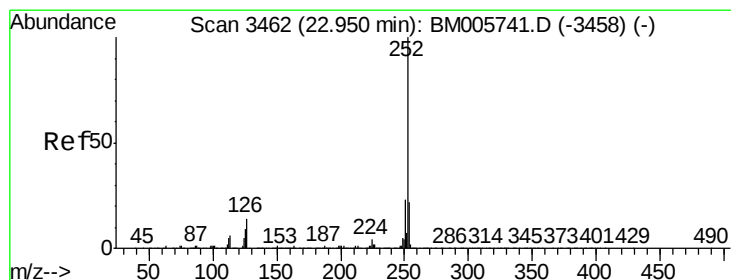
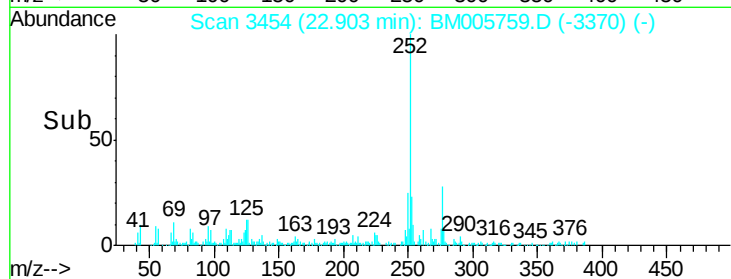
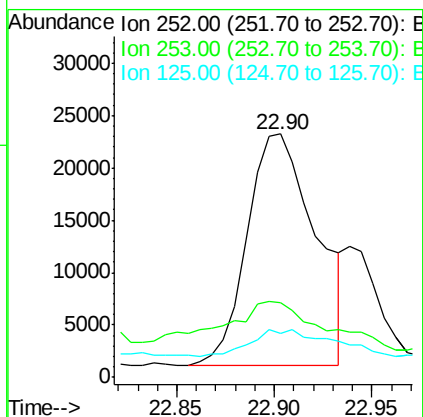
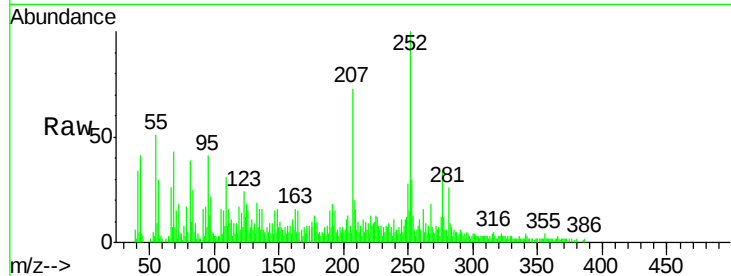
Tgt Ion:252 Resp: 53944

Ion Ratio Lower Upper

252 100

253 30.5 18.2 27.2#

125 18.0 8.4 12.6#



#36

Benzo(k)fluoranthene

Concen: 2.31 ng/ul

RT: 22.90 min Scan# 3454

Delta R.T. -0.05 min

Lab File: BM005759.D

Acq: 12 Jun 2016 21:27

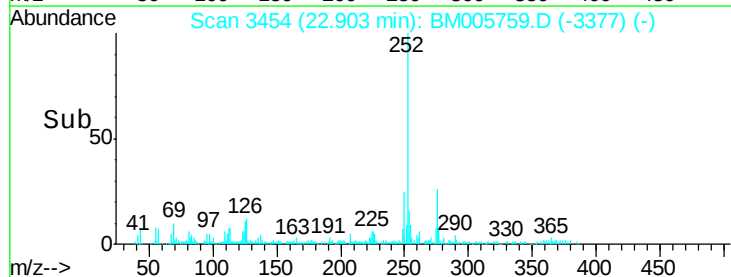
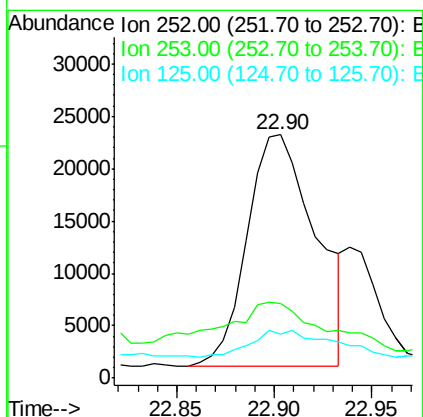
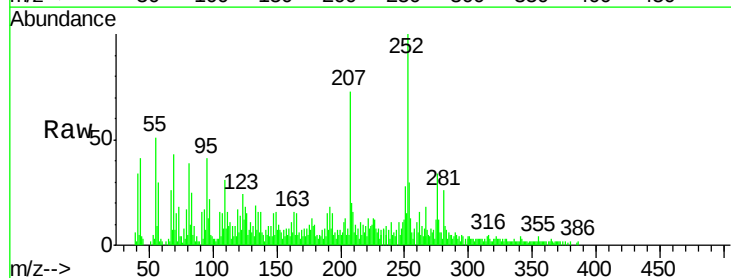
Tgt Ion:252 Resp: 53944

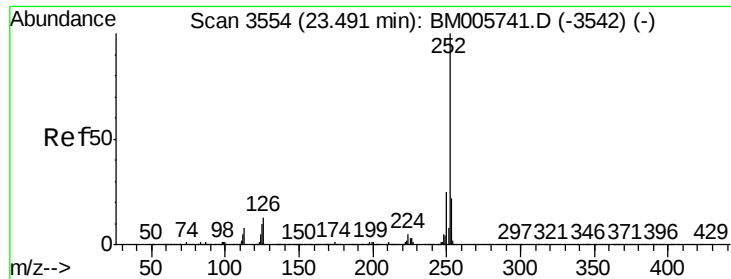
Ion Ratio Lower Upper

252 100

253 30.5 17.5 26.3#

125 18.0 8.2 12.2#





#38

Benzo(a)pyrene

Concen: 1.33 ng/ul

RT: 23.48 min Scan# 3552

Delta R.T. -0.01 min

Lab File: BM005759.D

Acq: 12 Jun 2016 21:27

Instrument :

BNA_M

ClientSampleId :

D9Y31

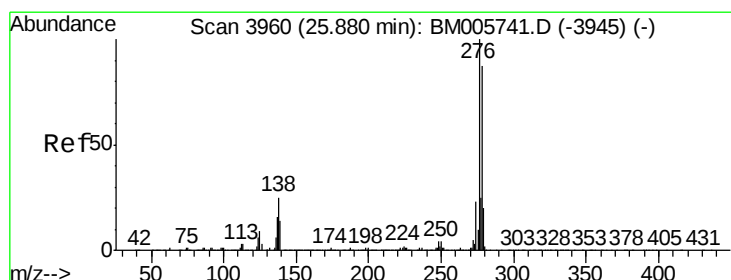
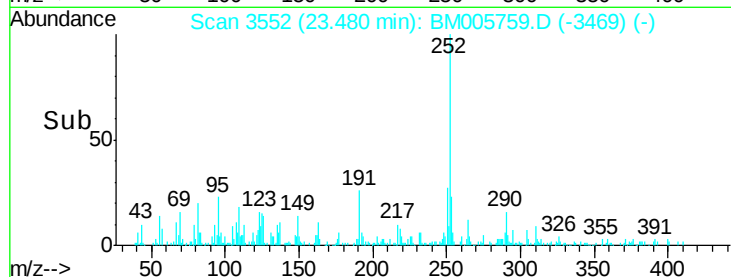
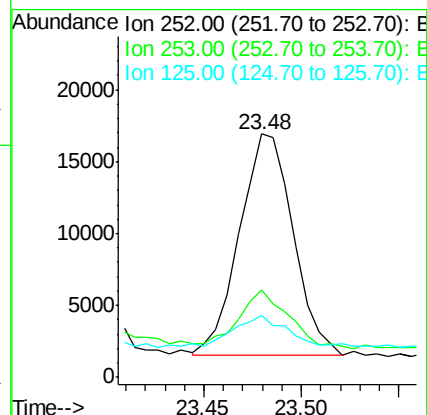
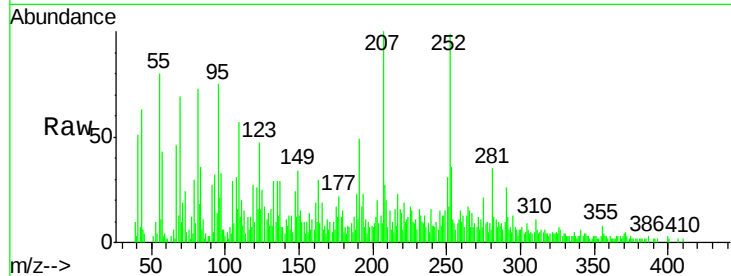
Tgt Ion:252 Resp: 29245

Ion Ratio Lower Upper

252 100

253 36.0 17.7 26.5#

125 25.6 9.1 13.7#



#39

Indeno(1,2,3-cd)pyrene

Concen: 1.24 ng/ul

RT: 25.87 min Scan# 3959

Delta R.T. -0.01 min

Lab File: BM005759.D

Acq: 12 Jun 2016 21:27

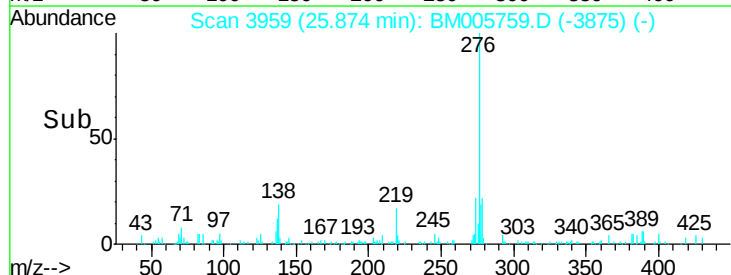
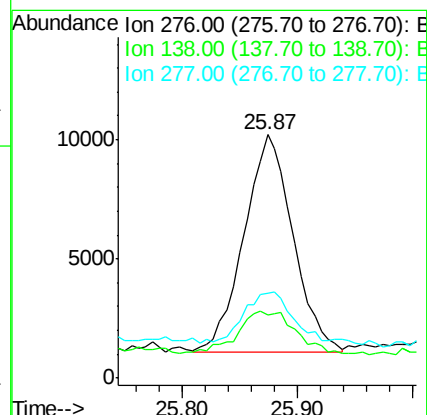
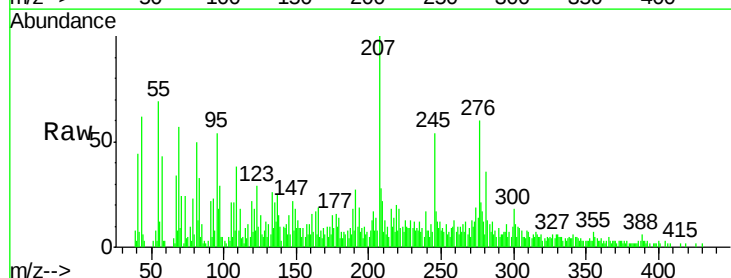
Tgt Ion:276 Resp: 26679

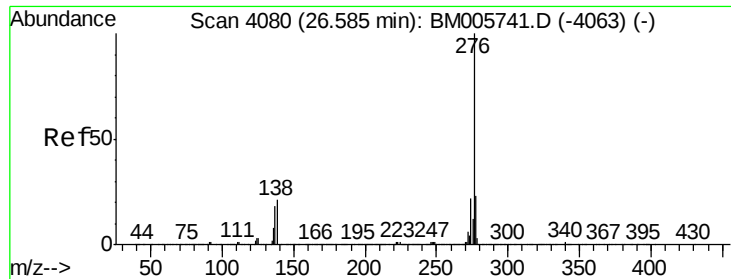
Ion Ratio Lower Upper

276 100

138 25.8 21.4 32.2

277 34.6 20.5 30.7#





#41

Benzo(g,h,i)perylene

Concen: 1.62 ng/ul

RT: 26.59 min Scan# 4080

Delta R.T. -0.00 min

Lab File: BM005759.D

Acq: 12 Jun 2016 21:27

Instrument :

BNA_M

ClientSampleId :

D9Y31

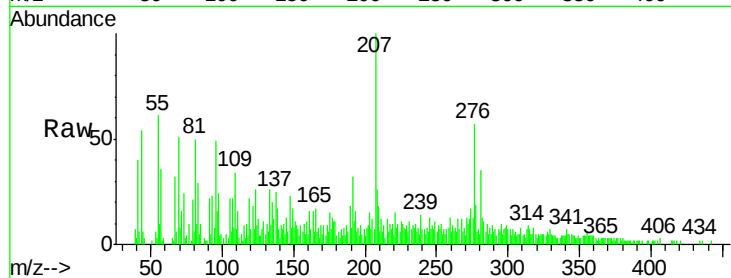
Tgt Ion: 276 Resp: 28984

Ion Ratio Lower Upper

276 100

138 29.7 18.2 27.4#

277 33.6 19.5 29.3#



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

