

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060616\
 Data File : BM005684.D
 Acq On : 06 Jun 2016 23:57
 Operator : UM/SJ
 Sample : H3412-16 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XT5

Quant Time: Jun 07 04:28:44 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	132872	20.00	ng/ul	0.00
7) Naphthalene-d8	10.55	136	546846	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.40	164	235381	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.14	188	416978	20.00	ng/ul	0.00
29) Chrysene-d12	21.33	240	420675	20.00	ng/ul	0.00
34) Perylene-d12	23.59	264	436540	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.22	96	2106	0.67	ng/uL	0.00
3) Phenol-d5	6.94	99	101316	8.67	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.09	67	64953	9.14	ng/ul	0.00
5) 2-Chlorophenol-d4	7.30	132	85709	8.89	ng/ul	0.00
6) 4-Methylphenol-d8	8.47	113	67986	7.36	ng/ul	0.00
8) Nitrobenzene-d5	8.92	128	38788	9.24	ng/ul	0.00
9) 2-Nitrophenol-d4	9.64	143	39781	8.85	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.18	165	71304	8.93	ng/ul	0.00
12) 4-Chloroaniline-d4	10.69	131	24833	2.62	ng/ul	0.00
16) Dimethylphthalate-d6	13.81	166	186871	10.33	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	231148	9.82	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	18431	7.11	ng/ul	0.01
21) Fluorene-d10	15.40	176	152082	9.79	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	4750	2.42	ng/ul	0.00
26) Anthracene-d10	17.24	188	205739	10.39	ng/ul	0.00
30) Pyrene-d10	19.54	212	214329	10.14	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.44	264	209173	10.41	ng/ul	0.00

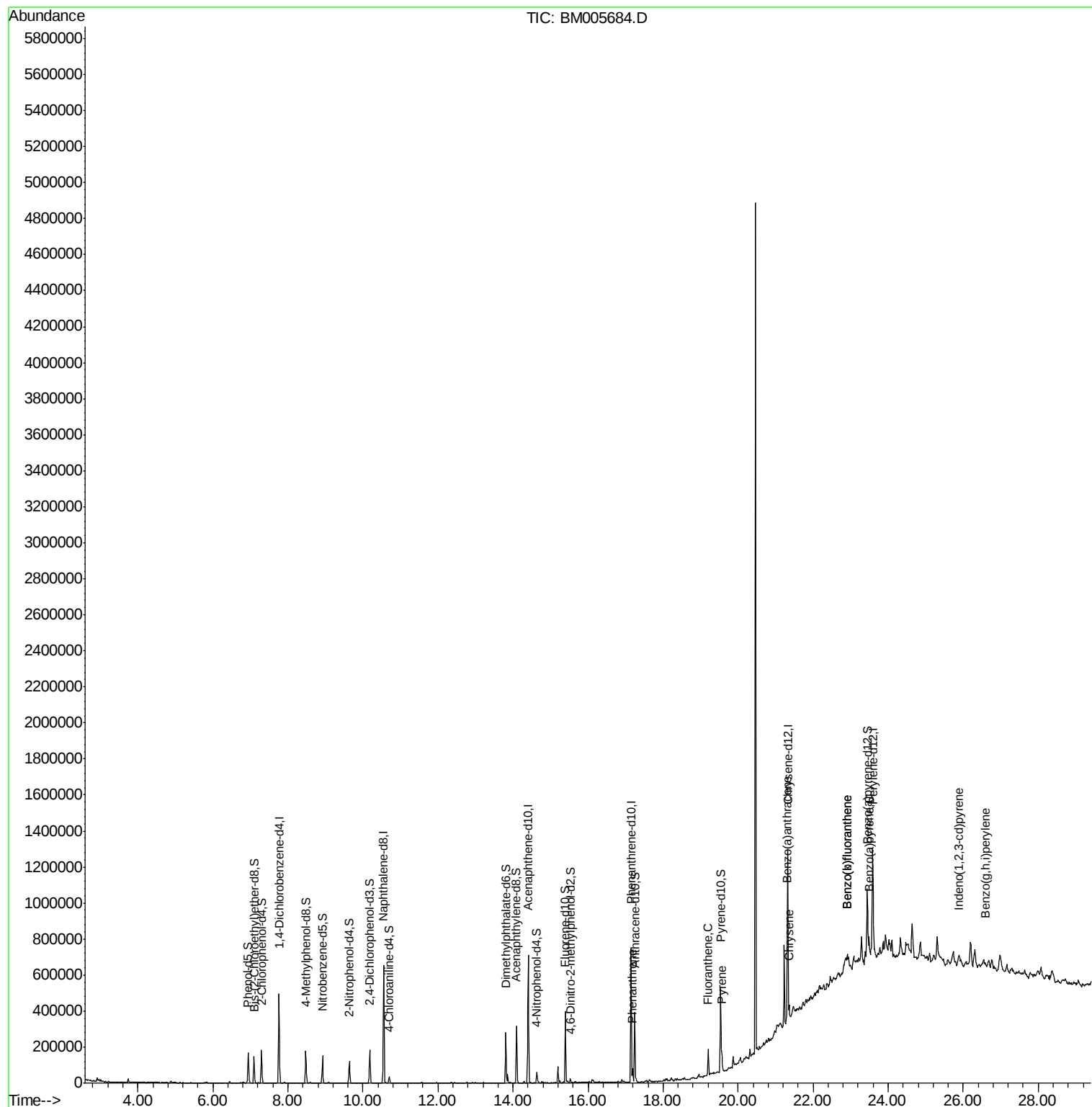
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Phenanthrene	17.19	178	48150	2.09	ng/ul	98
28) Fluoranthene	19.20	202	82871	3.52	ng/ul	99
31) Pyrene	19.57	202	72704	2.74	ng/ul	97
32) Benzo(a)anthracene	21.31	228	41884	1.70	ng/ul	93
33) Chrysene	21.36	228	42799	1.84	ng/ul	95
35) Benzo(b)fluoranthene	22.91	252	64344	2.44	ng/ul#	82
36) Benzo(k)fluoranthene	22.91	252	64344	2.61	ng/ul#	82
38) Benzo(a)pyrene	23.49	252	40451	1.60	ng/ul#	77
39) Indeno(1,2,3-cd)pyrene	25.88	276	36278	1.21	ng/ul#	78
41) Benzo(g,h,i)perylene	26.59	276	36946	1.47	ng/ul#	77

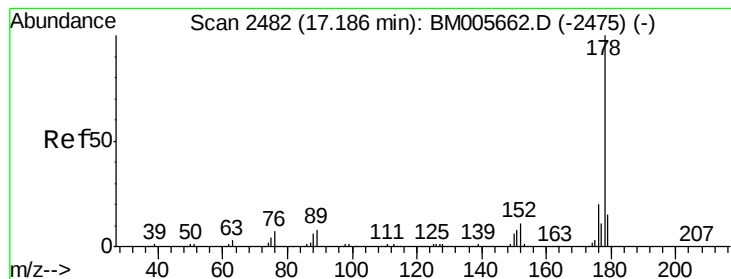
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 2.09 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. 0.00 min

Lab File: BM005684.D

Acq: 06 Jun 2016 23:57

Instrument :

BNA_M

ClientSampleId :

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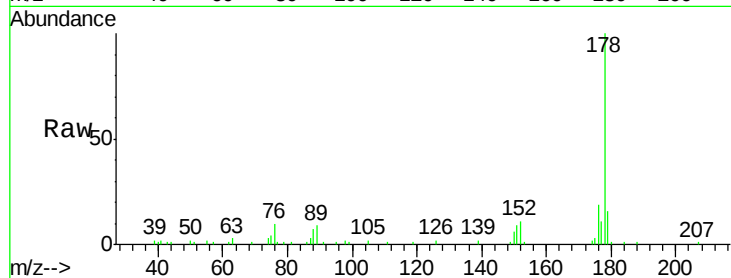
Tgt Ion:178 Resp: 48150

Ion Ratio Lower Upper

178 100

179 16.4 11.8 17.8

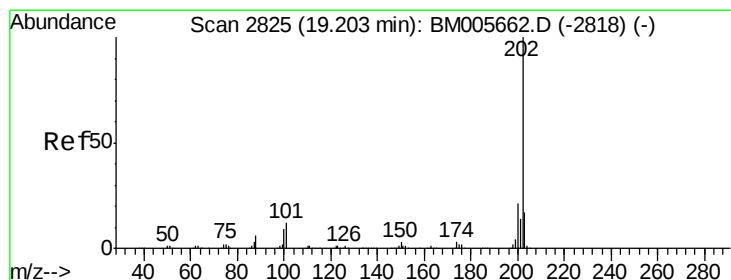
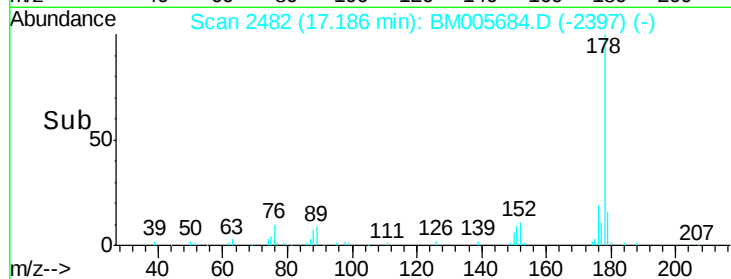
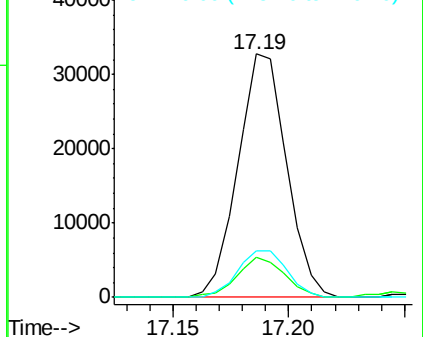
176 18.9 14.8 22.2



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: 3.52 ng/ul

RT: 19.20 min Scan# 2825

Delta R.T. 0.00 min

Lab File: BM005684.D

Acq: 06 Jun 2016 23:57

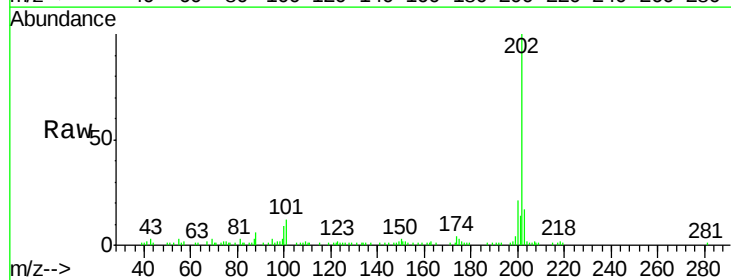
Tgt Ion:202 Resp: 82871

Ion Ratio Lower Upper

202 100

101 11.9 8.9 13.3

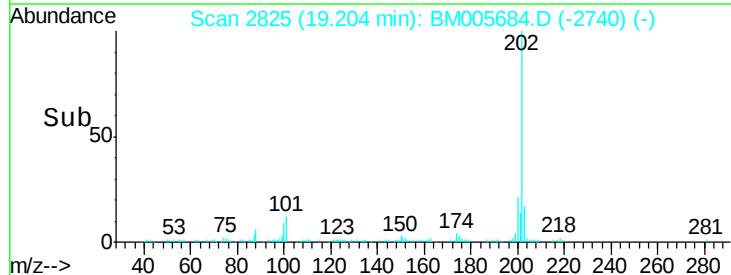
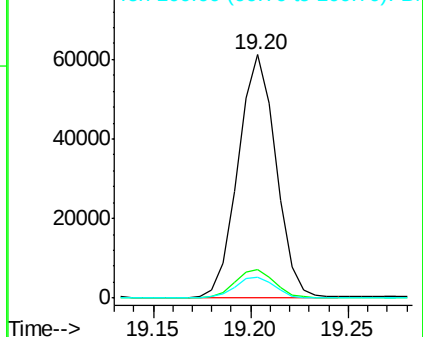
100 8.6 7.0 10.4

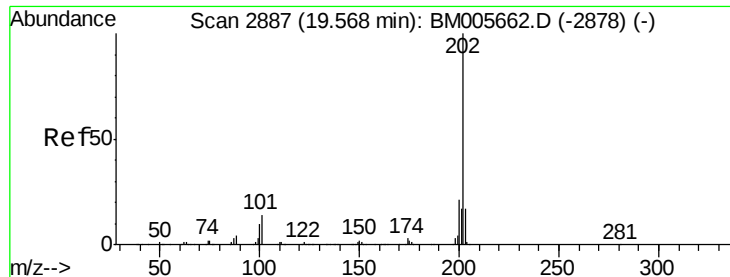


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pyrene

Concen: 2.74 ng/ul

RT: 19.57 min Scan# 2887

Delta R.T. 0.00 min

Lab File: BM005684.D

Acq: 06 Jun 2016 23:57

Instrument :

BNA_M

ClientSampleId :

D9XT5

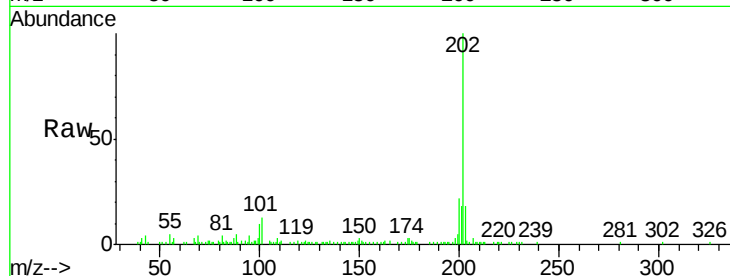
Tgt Ion:202 Resp: 72704

Ion Ratio Lower Upper

202 100

101 13.2 9.8 14.8

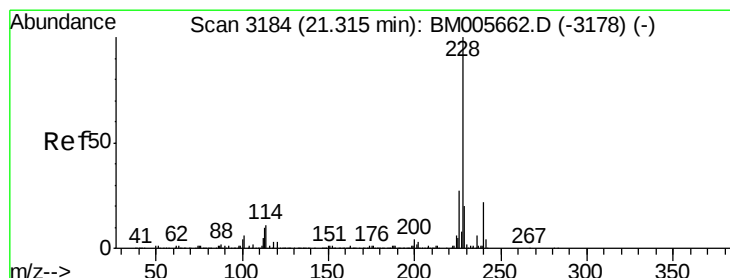
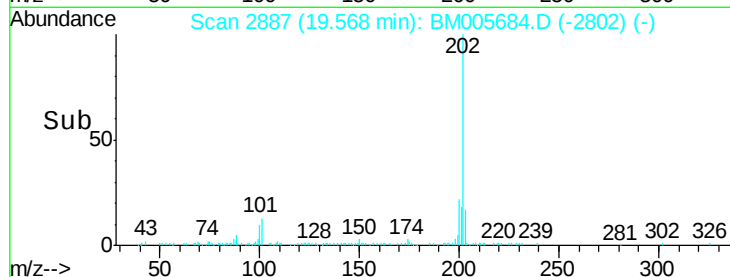
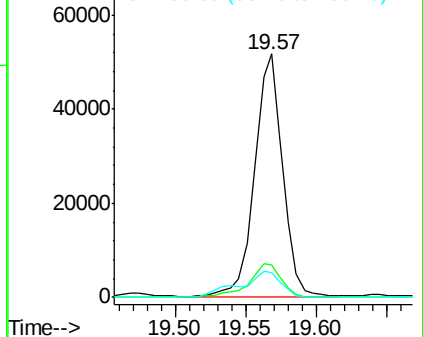
100 10.2 9.3 13.9



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): B



#32

Benzo(a)anthracene

Concen: 1.70 ng/ul

RT: 21.31 min Scan# 3183

Delta R.T. -0.01 min

Lab File: BM005684.D

Acq: 06 Jun 2016 23:57

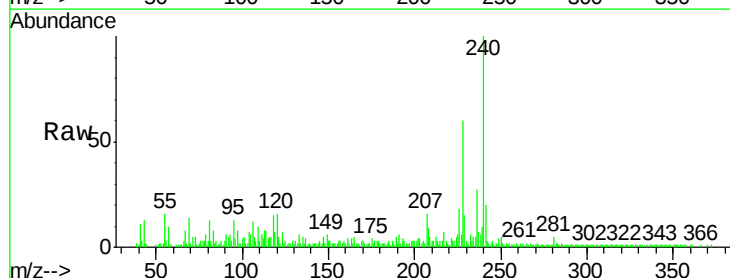
Tgt Ion:228 Resp: 41884

Ion Ratio Lower Upper

228 100

229 24.5 16.6 25.0

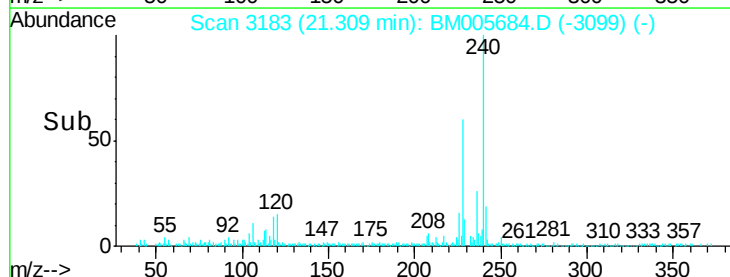
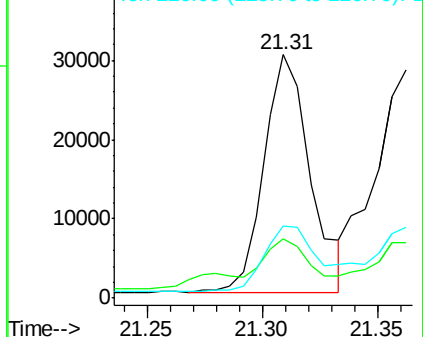
226 29.6 21.0 31.4

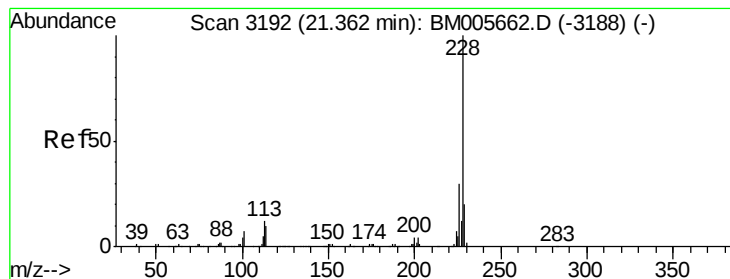


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 1.84 ng/ul

RT: 21.36 min Scan# 3192

Delta R.T. 0.00 min

Lab File: BM005684.D

Acq: 06 Jun 2016 23:57

Instrument :

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D9XT5

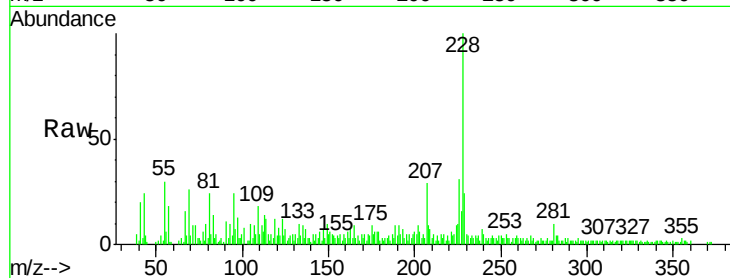
Tgt Ion:228 Resp: 42799

Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.2

229 24.0 16.2 24.2

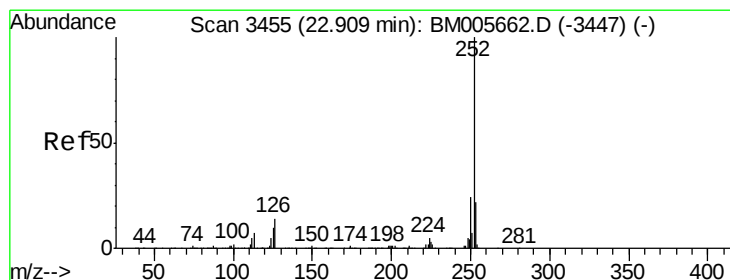
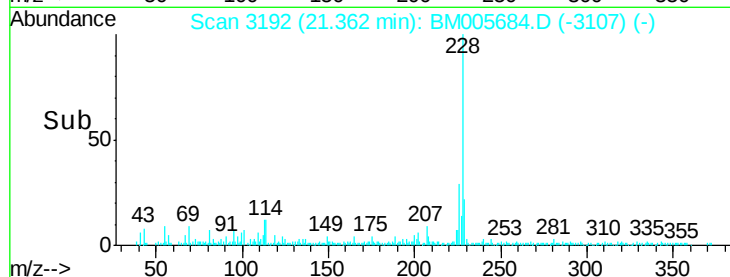
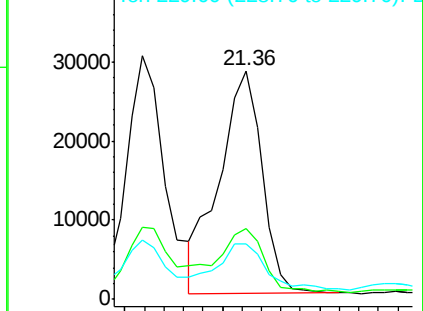


Abundance

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: 2.44 ng/ul

RT: 22.91 min Scan# 3455

Delta R.T. 0.00 min

Lab File: BM005684.D

Acq: 06 Jun 2016 23:57

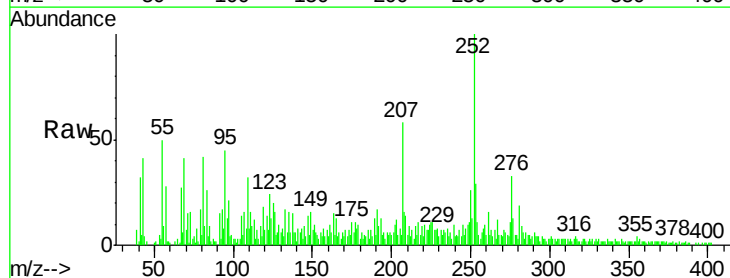
Tgt Ion:252 Resp: 64344

Ion Ratio Lower Upper

252 100

253 28.8 18.1 27.1#

125 20.0 7.6 11.4#

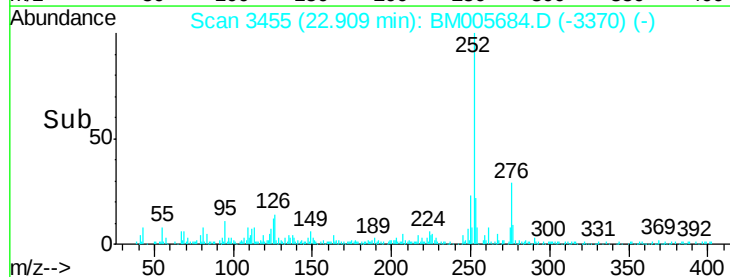
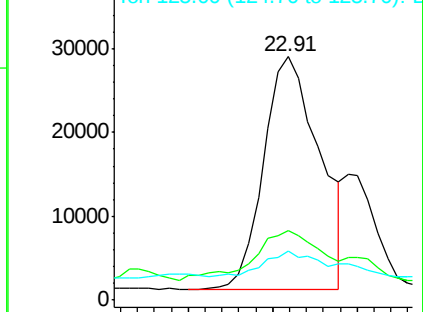


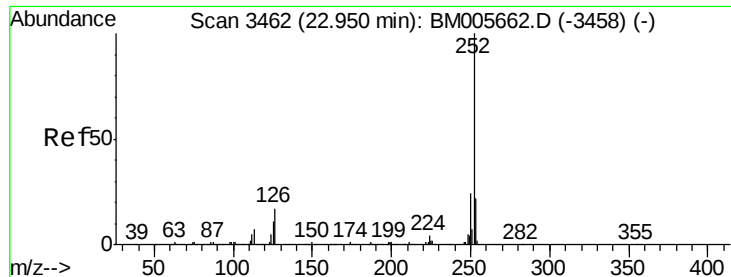
Abundance

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: 2.61 ng/ul

RT: 22.91 min Scan# 3455

Delta R.T. -0.04 min

Lab File: BM005684.D

Acq: 06 Jun 2016 23:57

Instrument :

BNA_M

ClientSampleId :

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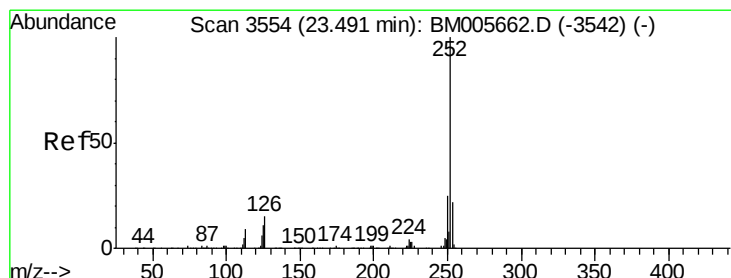
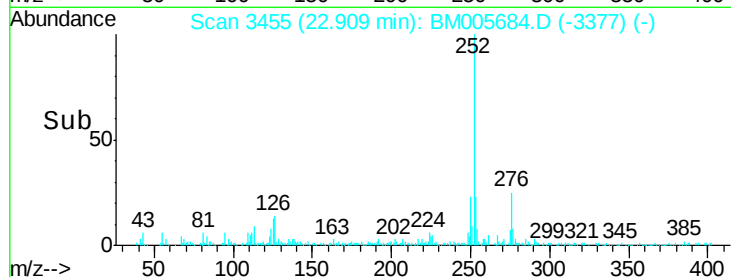
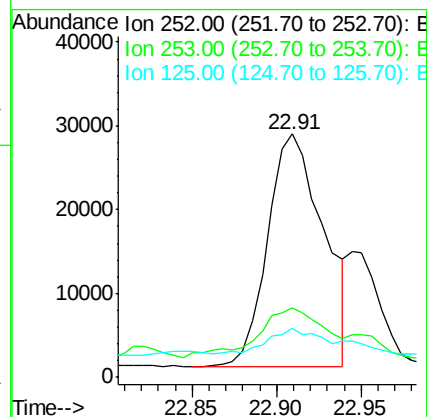
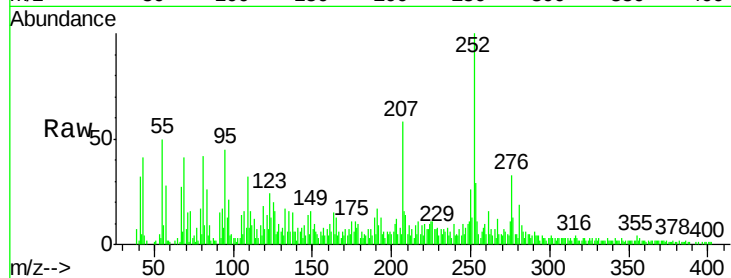
Tgt Ion:252 Resp: 64344

Ion Ratio Lower Upper

252 100

253 28.8 17.8 26.8#

125 20.0 7.7 11.5#



#38

Benzo(a)pyrene

Concen: 1.60 ng/ul

RT: 23.49 min Scan# 3554

Delta R.T. 0.00 min

Lab File: BM005684.D

Acq: 06 Jun 2016 23:57

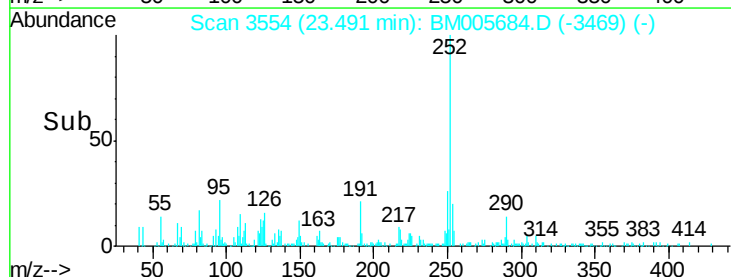
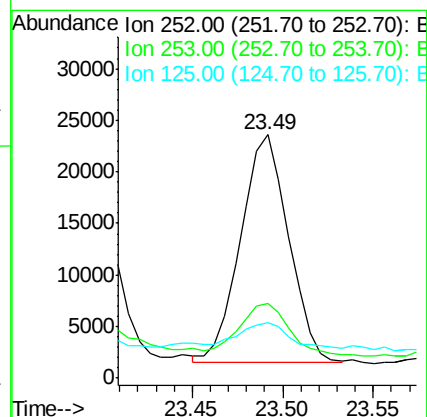
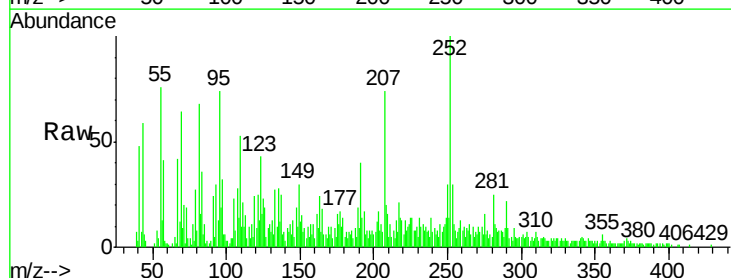
Tgt Ion:252 Resp: 40451

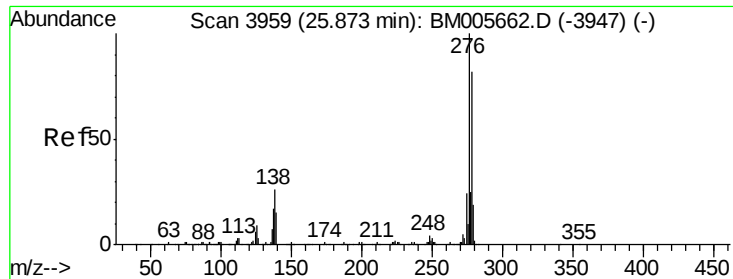
Ion Ratio Lower Upper

252 100

253 30.4 17.4 26.0#

125 22.8 8.2 12.2#





#39

Indeno(1,2,3-cd)pyrene

Concen: 1.21 ng/ul

RT: 25.88 min Scan# 3960

Delta R.T. 0.01 min

Lab File: BM005684.D

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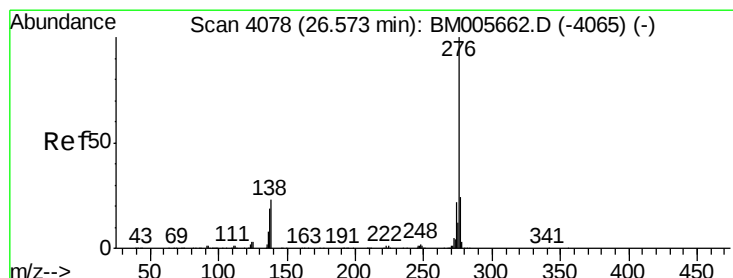
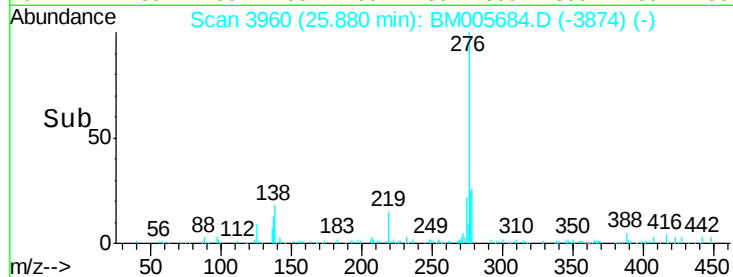
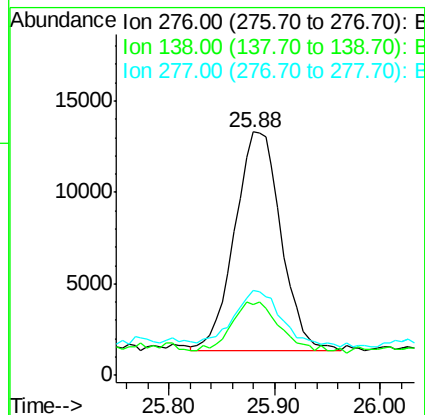
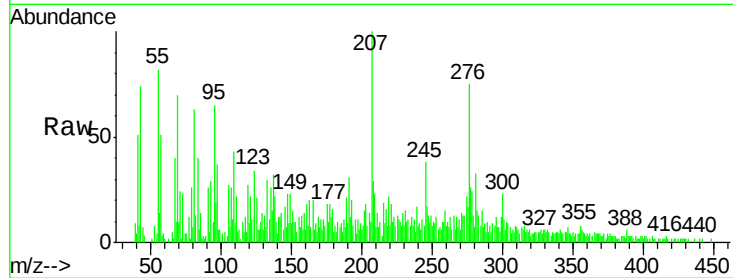
Tgt Ion:276 Resp: 36278

Ion Ratio Lower Upper

276 100

138 29.1 15.8 23.6#

277 35.0 19.0 28.6#



#41

Benzo(g,h,i)perylene

Concen: 1.47 ng/ul

RT: 26.59 min Scan# 4081

Delta R.T. 0.02 min

Lab File: BM005684.D

Acq: 06 Jun 2016 23:57

Tgt Ion:276 Resp: 36946

Ion Ratio Lower Upper

276 100

138 29.8 13.9 20.9#

277 34.3 19.8 29.6#

