

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060616\
 Data File : BM005668.D
 Acq On : 06 Jun 2016 14:02
 Operator : UM/SJ
 Sample : H3412-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XT2

Quant Time: Jun 07 04:26:05 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	97965	20.00	ng/ul	0.00
7) Naphthalene-d8	10.55	136	474243	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.40	164	269583	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.15	188	539746	20.00	ng/ul	0.00
29) Chrysene-d12	21.33	240	381038	20.00	ng/ul	0.00
34) Perylene-d12	23.59	264	343410	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.22	96	4340	1.86	ng/uL	0.00
3) Phenol-d5	6.93	99	174812	20.30	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.09	67	118792	22.67	ng/ul	0.00
5) 2-Chlorophenol-d4	7.29	132	147461	20.75	ng/ul	0.00
6) 4-Methylphenol-d8	8.47	113	117208	17.21	ng/ul	0.00
8) Nitrobenzene-d5	8.92	128	74561	20.47	ng/ul	0.00
9) 2-Nitrophenol-d4	9.64	143	81239	20.85	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.18	165	139771	20.18	ng/ul	0.00
12) 4-Chloroaniline-d4	10.69	131	189843	23.07	ng/ul	0.00
16) Dimethylphthalate-d6	13.81	166	467478	22.56	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	593533	22.02	ng/ul	0.00
20) 4-Nitrophenol-d4	14.62	143	42229	14.23	ng/ul	0.00
21) Fluorene-d10	15.39	176	408364	22.94	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	32483	12.78	ng/ul	0.00
26) Anthracene-d10	17.25	188	564661	22.03	ng/ul	0.00
30) Pyrene-d10	19.53	212	522055	27.26	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.44	264	358942	22.71	ng/ul	0.00

Target Compounds

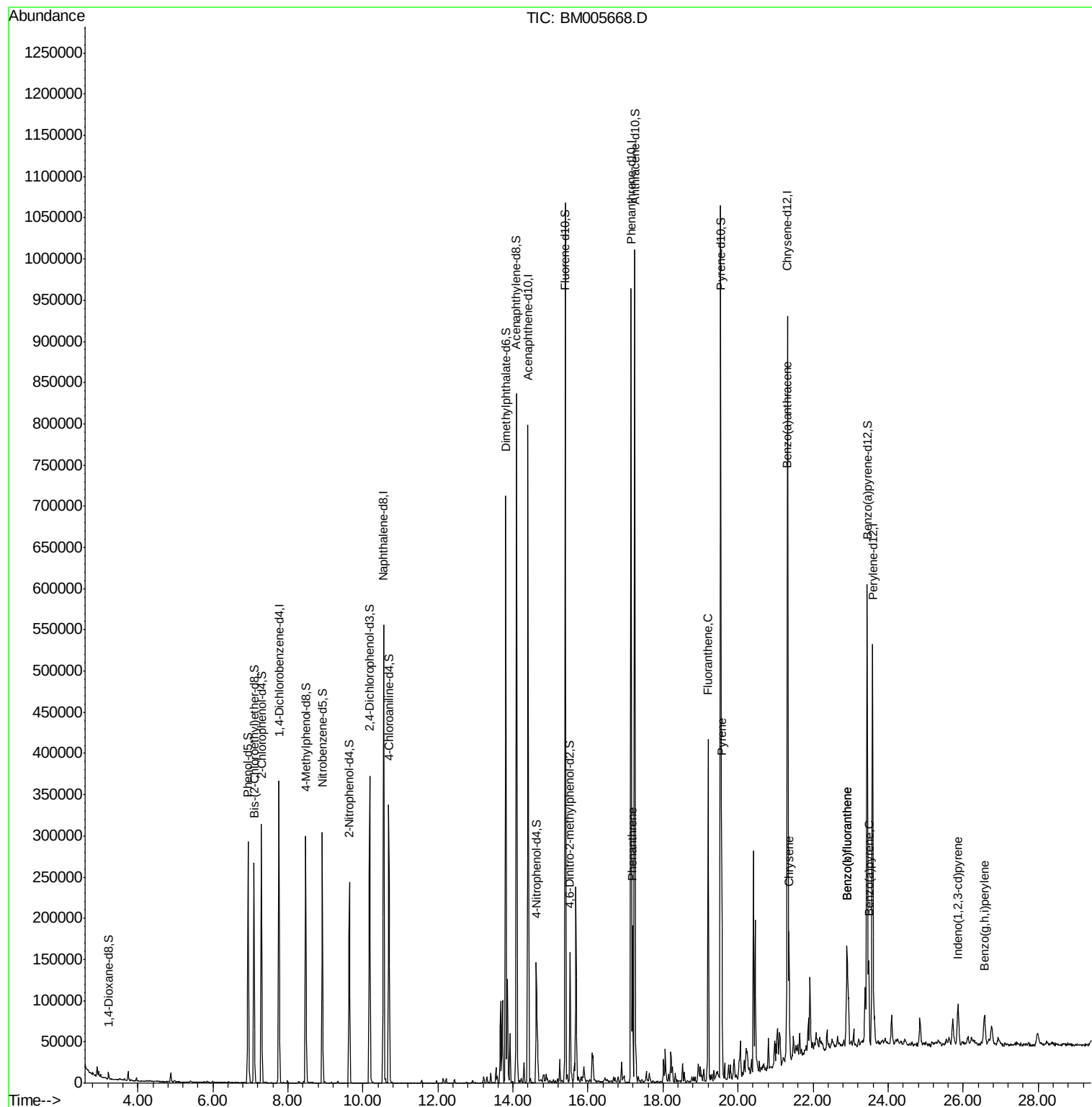
						Qvalue
25) Phenanthrene	17.19	178	111171	3.73	ng/ul	98
28) Fluoranthene	19.20	202	242713	7.97	ng/ul	100
31) Pyrene	19.56	202	194017	8.07	ng/ul	97
32) Benzo(a)anthracene	21.31	228	91467	4.09	ng/ul	97
33) Chrysene	21.36	228	90016	4.26	ng/ul	96
35) Benzo(b)fluoranthene	22.91	252	101480	4.90	ng/ul	98
36) Benzo(k)fluoranthene	22.91	252	101480	5.22	ng/ul	98
38) Benzo(a)pyrene	23.49	252	71785	3.60	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.86	276	48836	2.07	ng/ul	95
41) Benzo(g,h,i)perylene	26.57	276	44405	2.24	ng/ul#	94

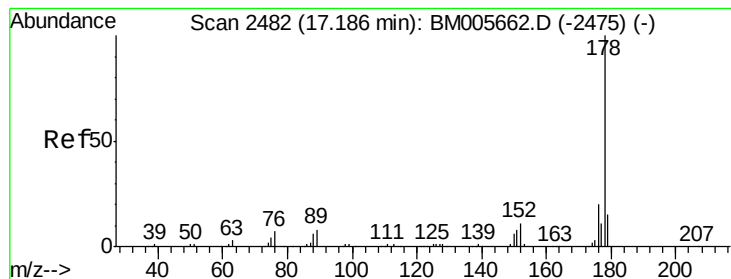
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#25

Phenanthrene

Concen: 3.73 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. 0.00 min

Lab File: BM005668.D

Acq: 06 Jun 2016 14:02

Instrument :

BNA_M

ClientSampled :

D9XT2

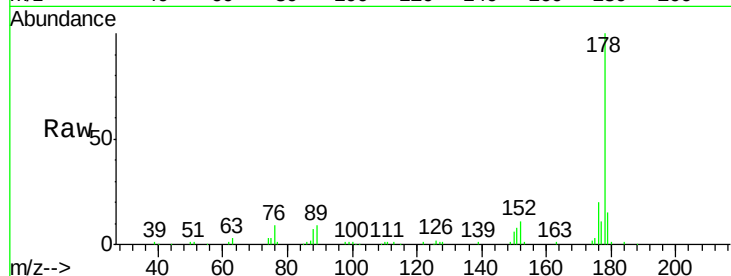
Tgt Ion:178 Resp: 111171

Ion Ratio Lower Upper

178 100

179 15.0 11.8 17.8

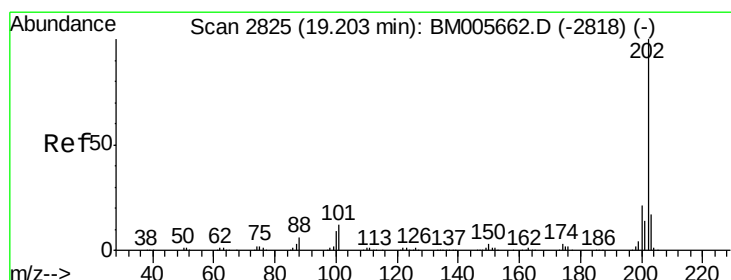
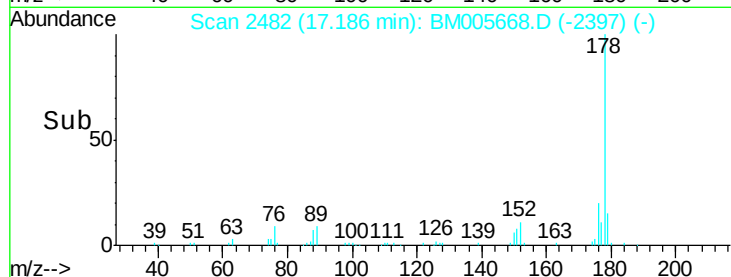
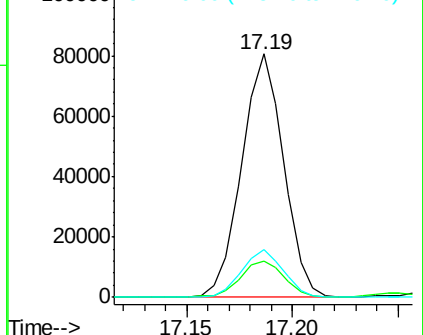
176 19.8 14.8 22.2



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: 7.97 ng/ul

RT: 19.20 min Scan# 2825

Delta R.T. 0.00 min

Lab File: BM005668.D

Acq: 06 Jun 2016 14:02

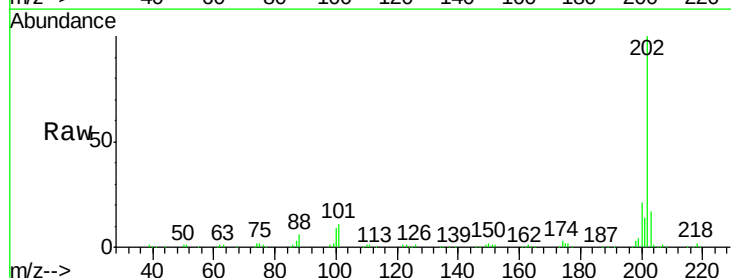
Tgt Ion:202 Resp: 242713

Ion Ratio Lower Upper

202 100

101 11.4 8.9 13.3

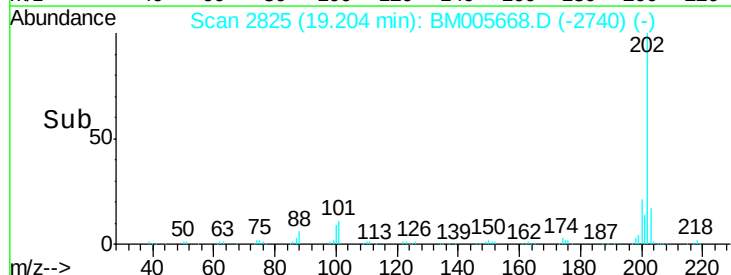
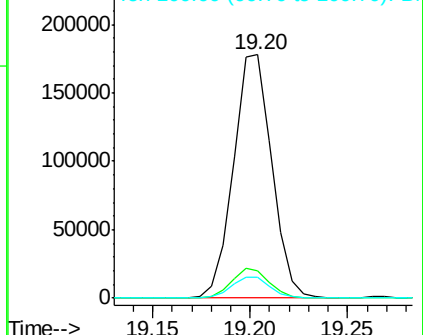
100 8.6 7.0 10.4

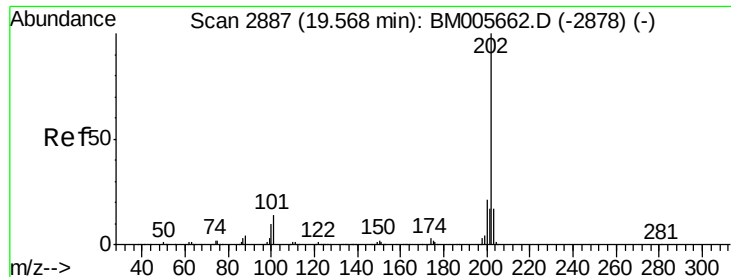


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

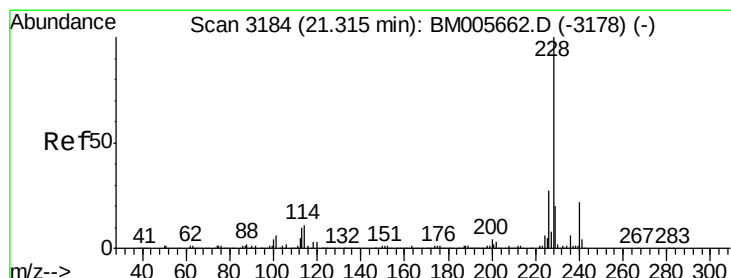
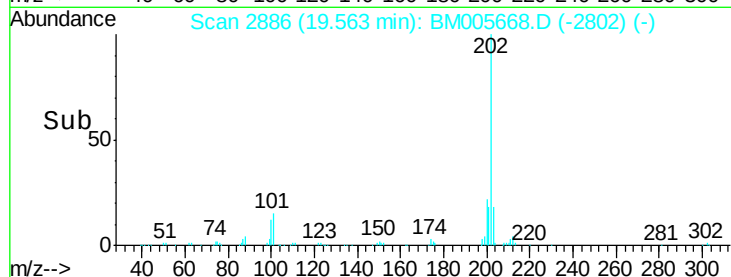
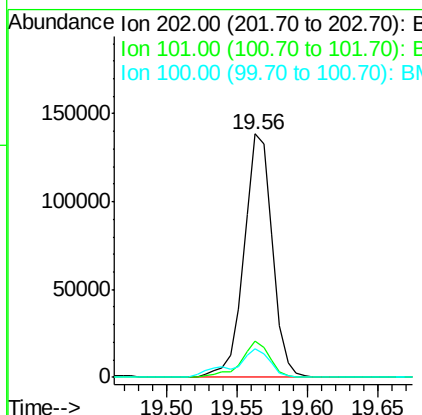
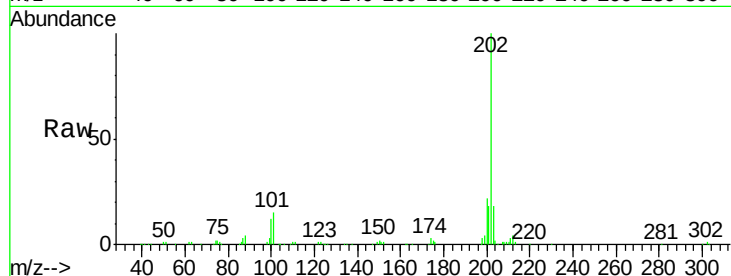




#31
 Pyrene
 Concen: 8.07 ng/ul
 RT: 19.56 min Scan# 2886
 Delta R.T. -0.01 min
 Lab File: BM005668.D
 Acq: 06 Jun 2016 14:02

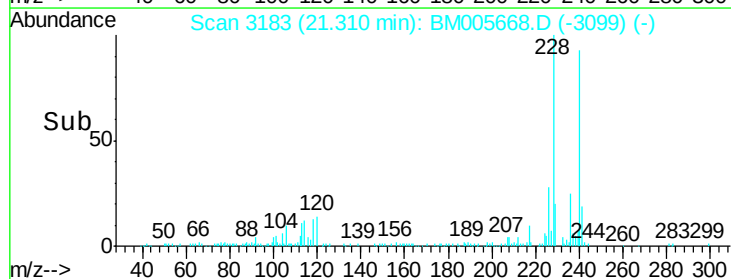
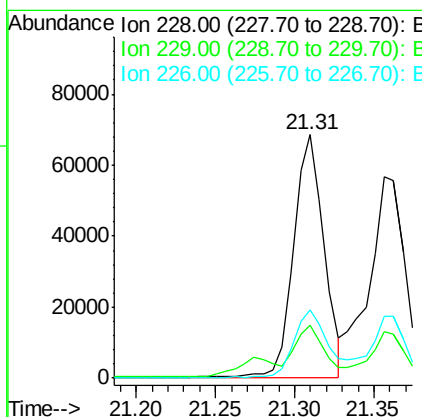
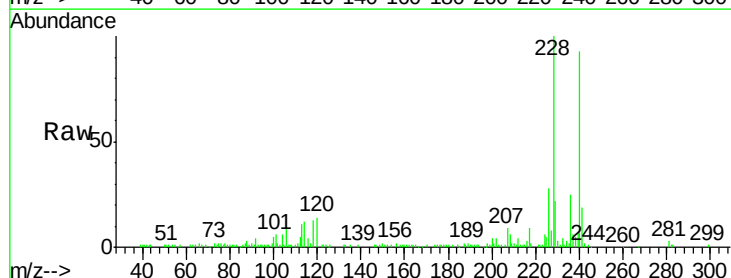
Instrument :
 BNA_M
 ClientSampleId :
 D9XT2

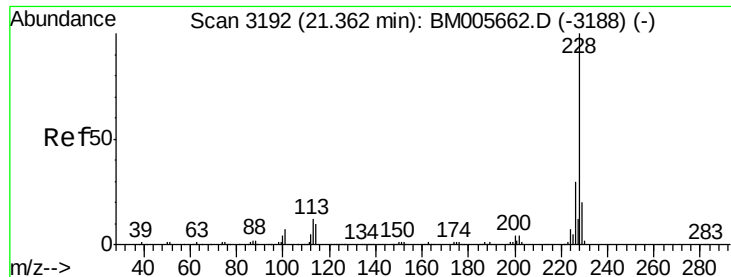
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.7	9.8	14.8
100	11.7	9.3	13.9



#32
 Benzo(a)anthracene
 Concen: 4.09 ng/ul
 RT: 21.31 min Scan# 3183
 Delta R.T. -0.01 min
 Lab File: BM005668.D
 Acq: 06 Jun 2016 14:02

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.6	16.6	25.0
226	28.0	21.0	31.4

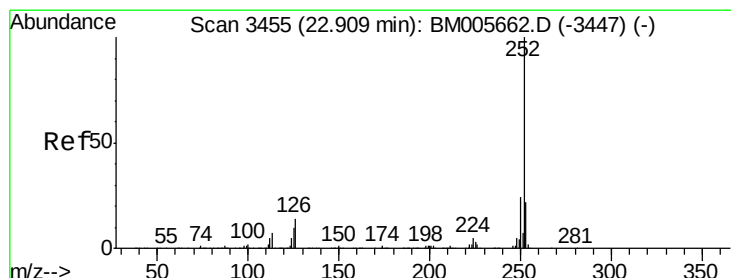
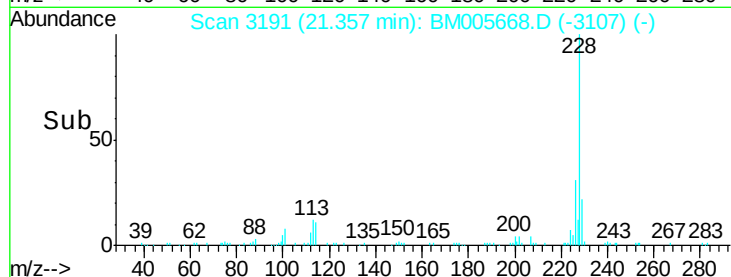
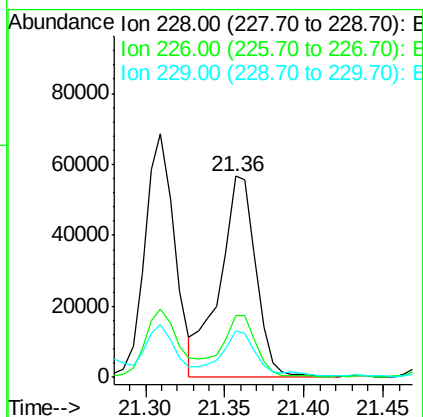
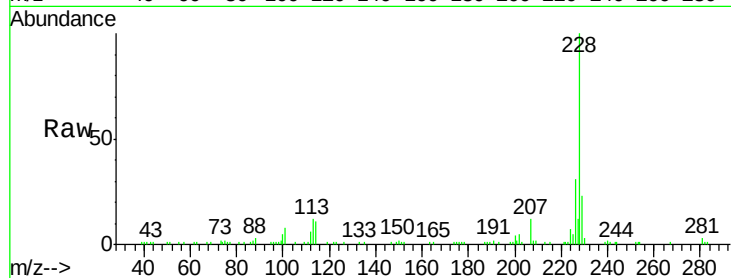




#33
Chrysene
Concen: 4.26 ng/ul
RT: 21.36 min Scan# 3191
Delta R.T. -0.01 min
Lab File: BM005668.D
Acq: 06 Jun 2016 14:02

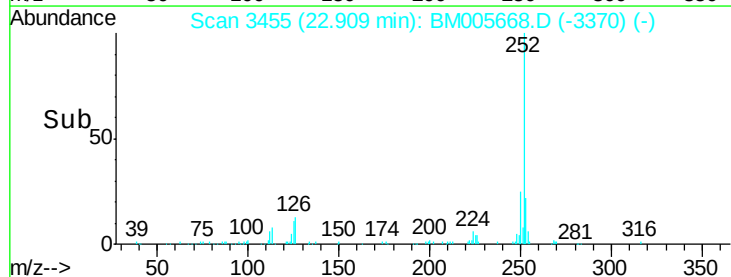
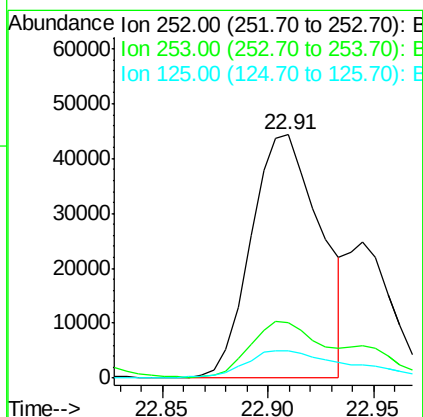
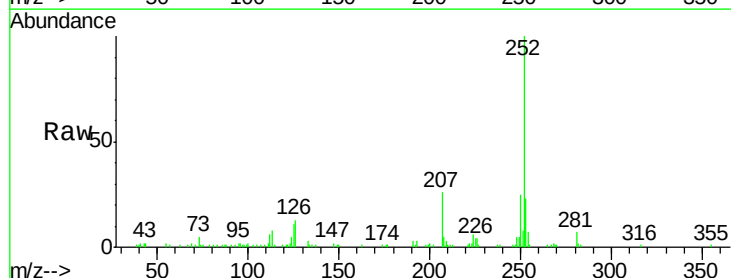
Instrument :
BNA_M
ClientSampleId :
D9XT2

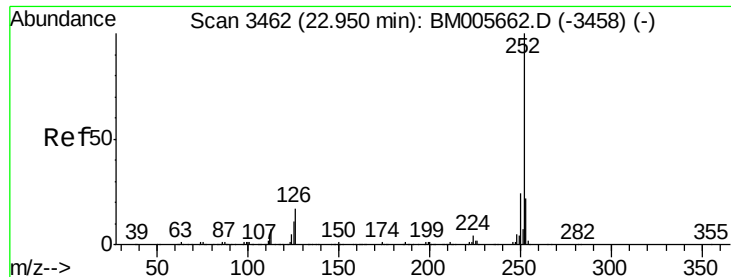
Tgt Ion: 228 Resp: 90016
Ion Ratio Lower Upper
228 100
226 30.7 23.4 35.2
229 22.9 16.2 24.2



#35
Benzo(b)fluoranthene
Concen: 4.90 ng/ul
RT: 22.91 min Scan# 3455
Delta R.T. 0.00 min
Lab File: BM005668.D
Acq: 06 Jun 2016 14:02

Tgt Ion: 252 Resp: 101480
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 11.0 7.6 11.4





#36

Benzo(k)fluoranthene

Concen: 5.22 ng/ul

RT: 22.91 min Scan# 3455

Delta R.T. -0.04 min

Lab File: BM005668.D

Acq: 06 Jun 2016 14:02

Instrument :

BNA_M

ClientSampleId :

D9XT2

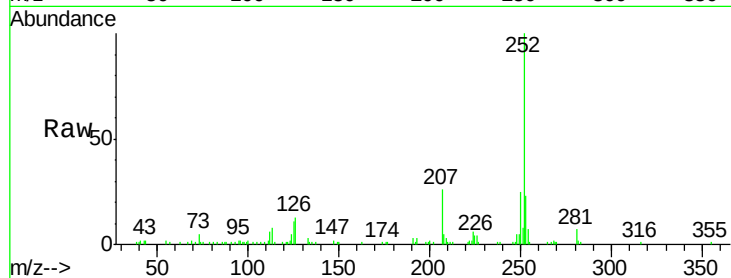
Tgt Ion:252 Resp: 101480

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

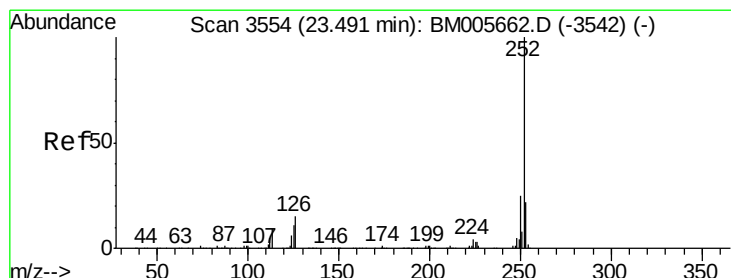
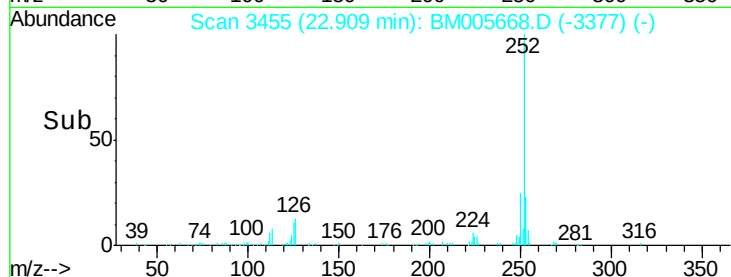
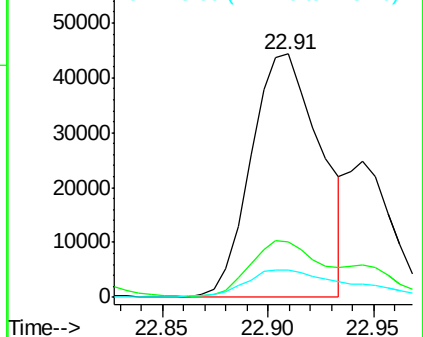
125 11.0 7.7 11.5



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: 3.60 ng/ul

RT: 23.49 min Scan# 3553

Delta R.T. -0.01 min

Lab File: BM005668.D

Acq: 06 Jun 2016 14:02

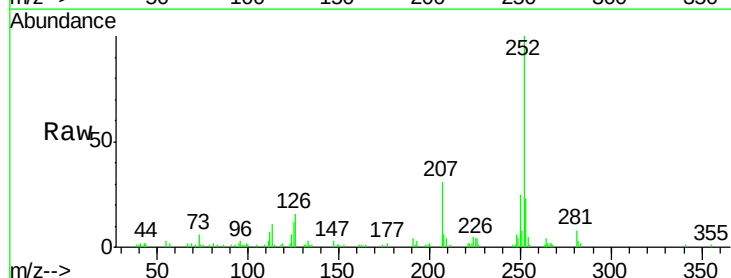
Tgt Ion:252 Resp: 71785

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

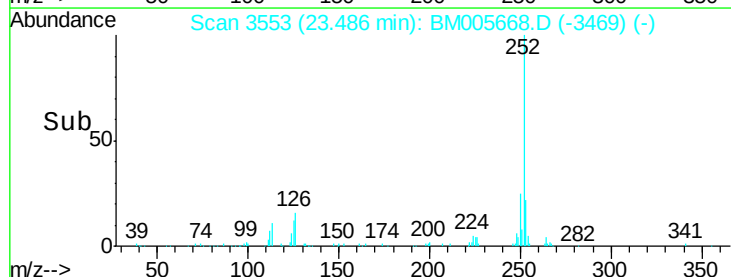
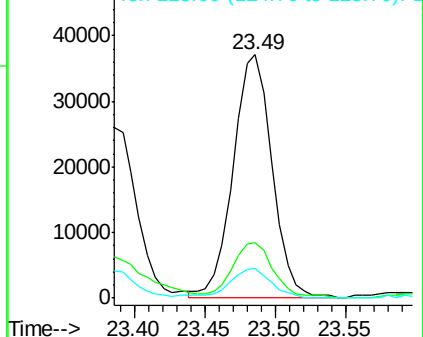
125 12.1 8.2 12.2

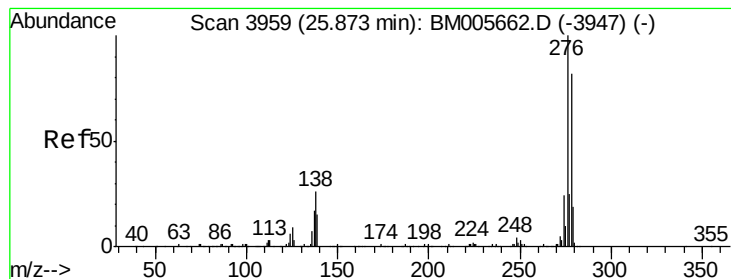


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 2.07 ng/ul

RT: 25.86 min Scan# 3957

Delta R.T. -0.01 min

Lab File: BM005668.D

Acq: 06 Jun 2016 14:02

Instrument :

BNA_M

ClientSampleId :

D9XT2

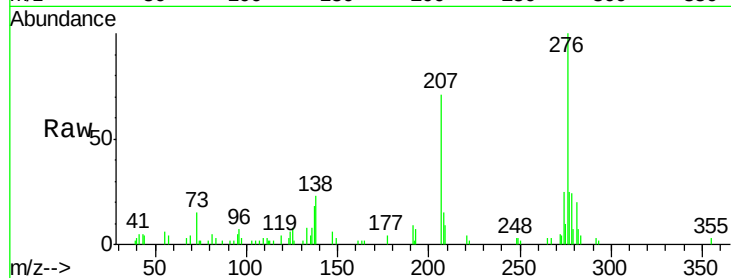
Tgt Ion:276 Resp: 48836

Ion Ratio Lower Upper

276 100

138 22.8 15.8 23.6

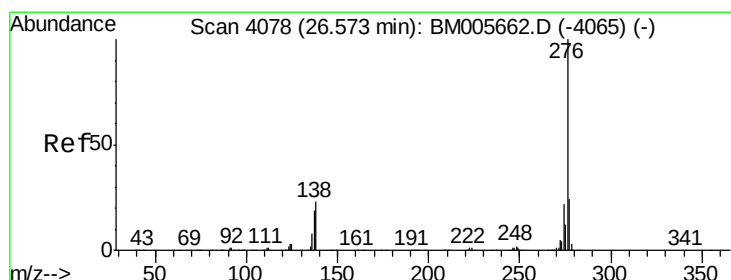
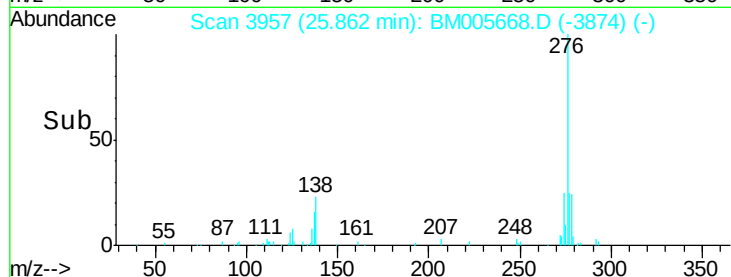
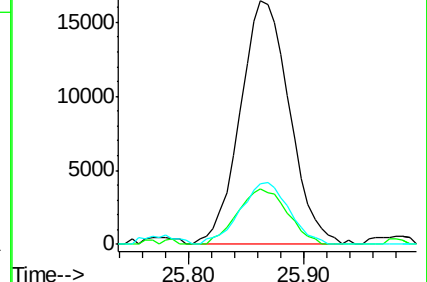
277 25.1 19.0 28.6



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



#41

Benzo(g,h,i)perylene

Concen: 2.24 ng/ul

RT: 26.57 min Scan# 4077

Delta R.T. -0.01 min

Lab File: BM005668.D

Acq: 06 Jun 2016 14:02

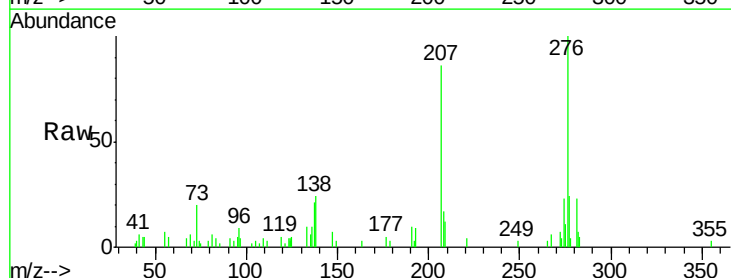
Tgt Ion:276 Resp: 44405

Ion Ratio Lower Upper

276 100

138 23.6 13.9 20.9#

277 24.5 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

