

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060716\
 Data File : BM005694.D
 Acq On : 07 Jun 2016 16:09
 Operator : UM/SJ
 Sample : H3412-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XS3

Quant Time: Jun 08 01:25:08 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM060216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 08 01:24:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	140349	20.00	ng/ul	0.00
7) Naphthalene-d8	10.55	136	755301	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.40	164	459272	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.14	188	1011258	20.00	ng/ul	0.00
29) Chrysene-d12	21.33	240	895055	20.00	ng/ul	0.00
34) Perylene-d12	23.59	264	769692	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.20	96	2489	0.75	ng/uL	0.00
3) Phenol-d5	6.93	99	113409	9.19	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.09	67	74915	9.98	ng/ul	0.00
5) 2-Chlorophenol-d4	7.29	132	97609	9.59	ng/ul	0.00
6) 4-Methylphenol-d8	8.47	113	54878	5.62	ng/ul	0.00
8) Nitrobenzene-d5	8.92	128	51943	8.96	ng/ul	0.00
9) 2-Nitrophenol-d4	9.63	143	57029	9.19	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	99380	9.01	ng/ul	0.00
12) 4-Chloroaniline-d4	10.69	131	58851	4.49	ng/ul	0.00
16) Dimethylphthalate-d6	13.80	166	324989	9.20	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	420305	9.15	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	33626	6.65	ng/ul	0.00
21) Fluorene-d10	15.39	176	294591	9.71	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	25681	5.39	ng/ul	0.00
26) Anthracene-d10	17.24	188	432254	9.00	ng/ul	0.00
30) Pyrene-d10	19.54	212	458488	10.19	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.44	264	293184	8.28	ng/ul	0.00

Target Compounds

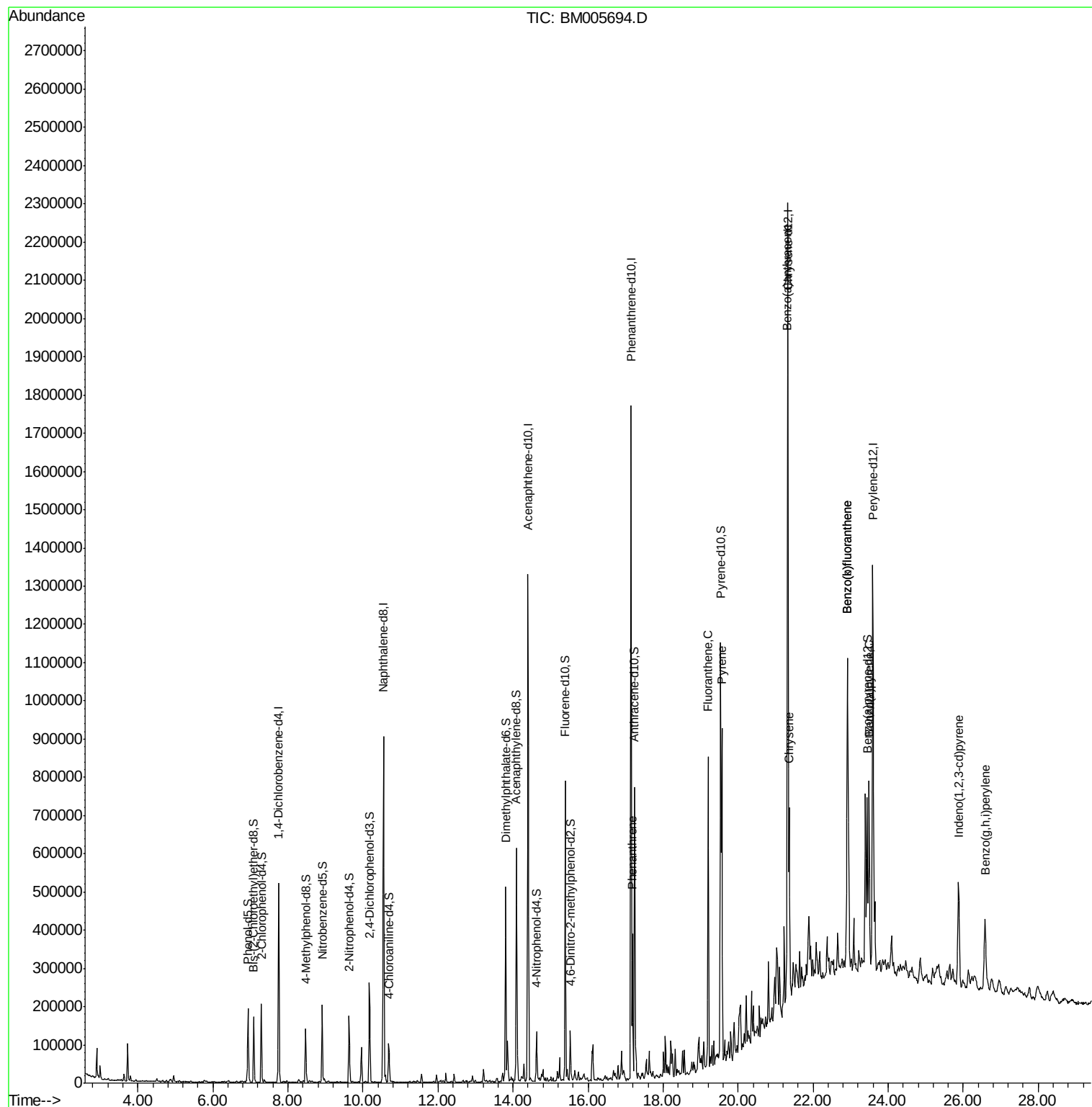
						Qvalue
25) Phenanthrene	17.19	178	208207	3.73	ng/ul	97
28) Fluoranthene	19.20	202	462749	8.11	ng/ul	99
31) Pyrene	19.57	202	514711	9.11	ng/ul	97
32) Benzo(a)anthracene	21.31	228	290694	5.54	ng/ul	96
33) Chrysene	21.36	228	324504	6.54	ng/ul	96
35) Benzo(b)fluoranthene	22.91	252	704459	15.18	ng/ul	98
36) Benzo(k)fluoranthene	22.91	252	704459	16.18	ng/ul	97
38) Benzo(a)pyrene	23.49	252	346712	7.76	ng/ul	96
39) Indeno(1,2,3-cd)pyrene	25.88	276	249460	4.72	ng/ul	96
41) Benzo(g,h,i)perylene	26.59	276	236118	5.32	ng/ul#	93

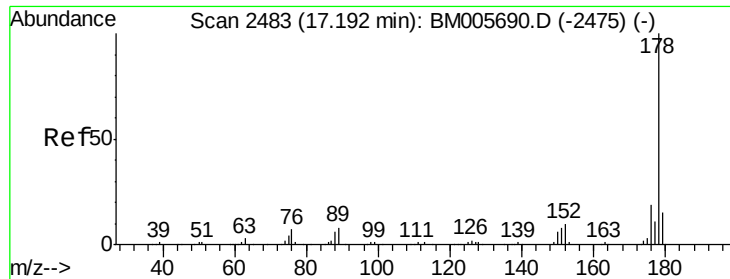
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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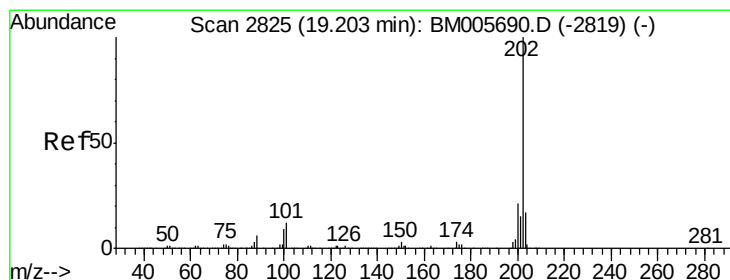
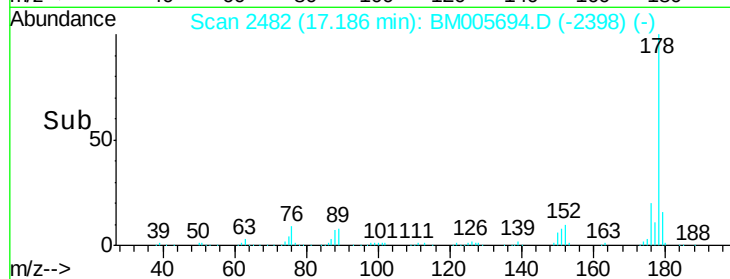
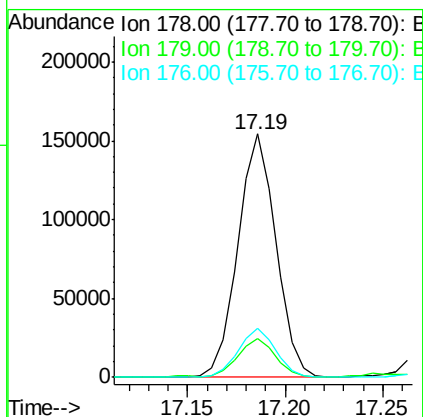
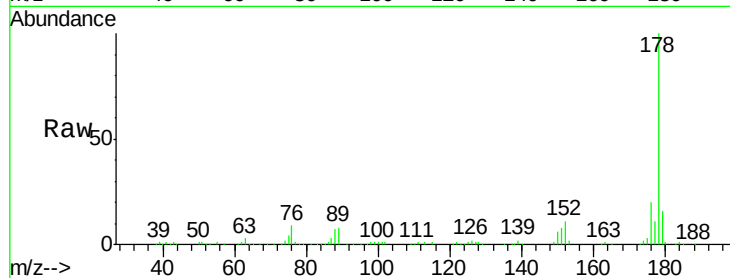




#25
Phenanthrene
Concen: 3.73 ng/ul
RT: 17.19 min Scan# 2482
Delta R.T. -0.01 min
Lab File: BM005694.D
Acq: 07 Jun 2016 16:09

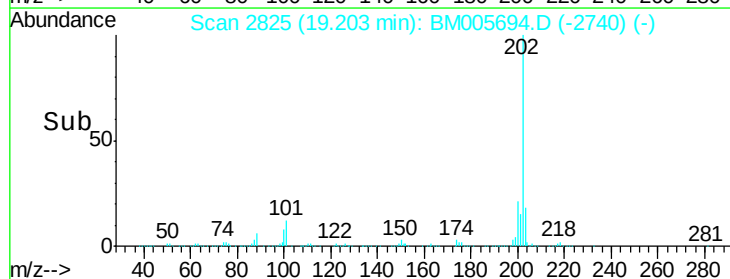
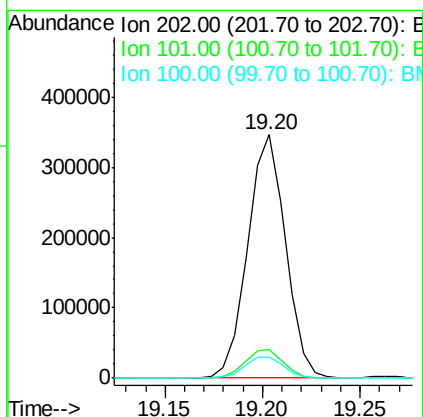
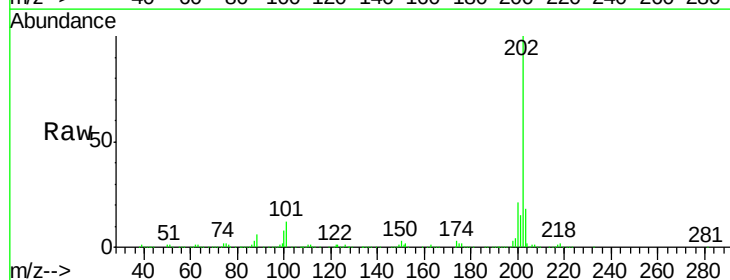
Instrument :
BNA_M
ClientSampleId :
D9XS3

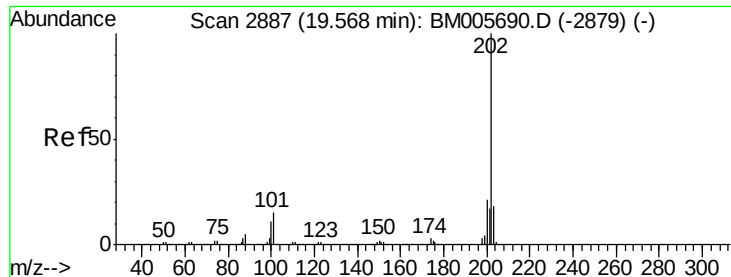
Tgt Ion:178 Resp: 208207
Ion Ratio Lower Upper
178 100
179 15.8 11.8 17.8
176 20.0 14.8 22.2



#28
Fluoranthene
Concen: 8.11 ng/ul
RT: 19.20 min Scan# 2825
Delta R.T. 0.00 min
Lab File: BM005694.D
Acq: 07 Jun 2016 16:09

Tgt Ion:202 Resp: 462749
Ion Ratio Lower Upper
202 100
101 11.7 8.9 13.3
100 8.4 7.0 10.4

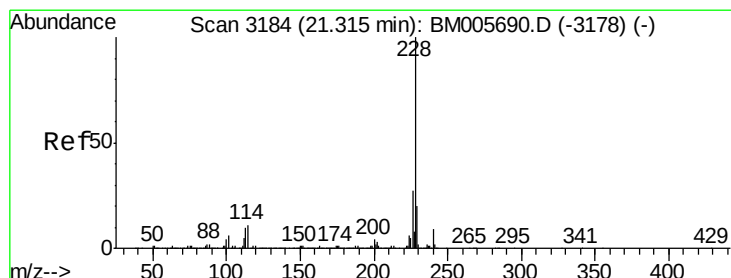
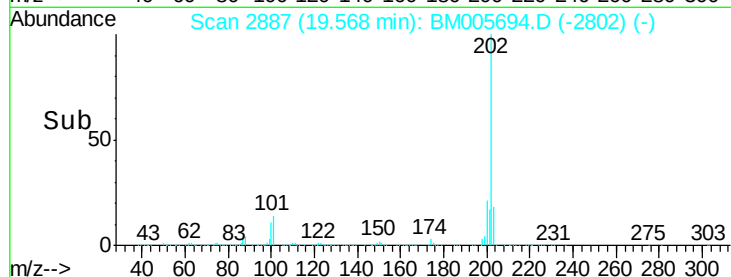
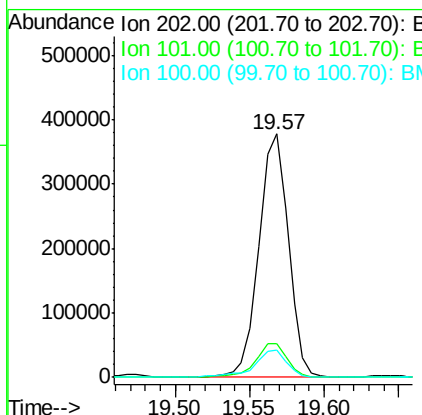
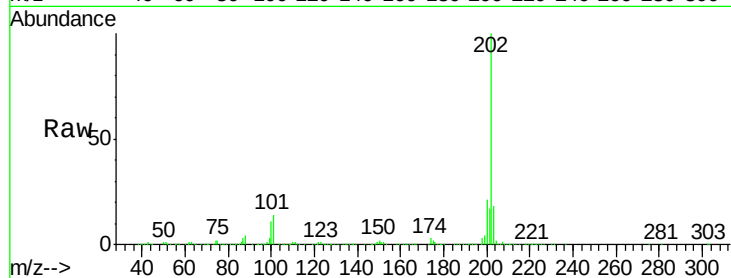




#31
 Pyrene
 Concen: 9.11 ng/ul
 RT: 19.57 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: BM005694.D
 Acq: 07 Jun 2016 16:09

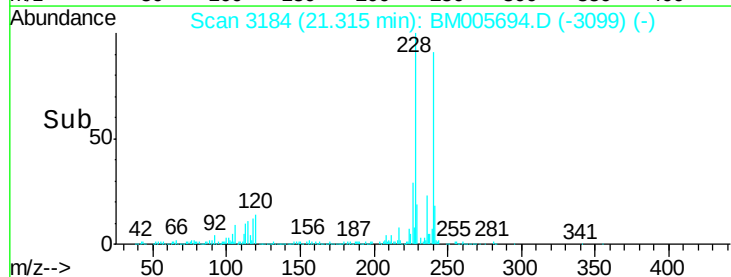
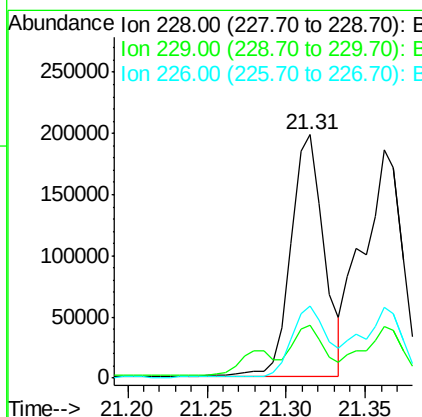
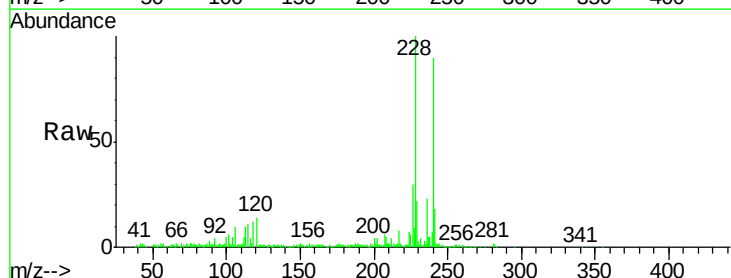
Instrument :
 BNA_M
 ClientSampleId :
 D9XS3

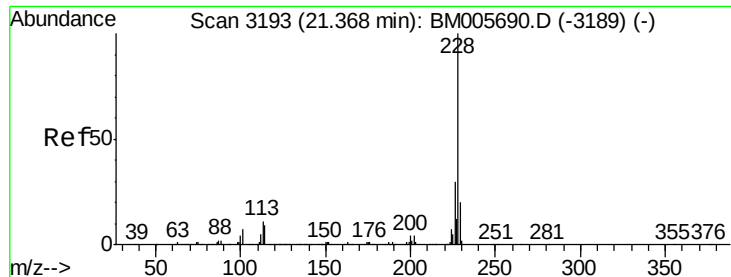
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	9.8	14.8
100	11.0	9.3	13.9



#32
 Benzo(a)anthracene
 Concen: 5.54 ng/ul
 RT: 21.31 min Scan# 3184
 Delta R.T. 0.00 min
 Lab File: BM005694.D
 Acq: 07 Jun 2016 16:09

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.6	16.6	25.0
226	29.5	21.0	31.4





#33

Chrysene

Concen: 6.54 ng/ul

RT: 21.36 min Scan# 3192

Delta R.T. -0.01 min

Lab File: BM005694.D

Acq: 07 Jun 2016 16:09

Instrument :

BNA_M

ClientSampleId :

D9XS3

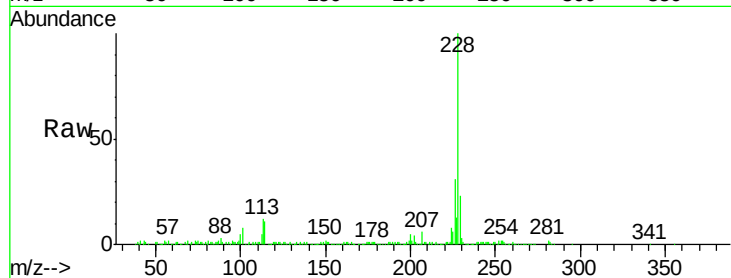
Tgt Ion: 228 Resp: 324504

Ion Ratio Lower Upper

228 100

226 31.2 23.4 35.2

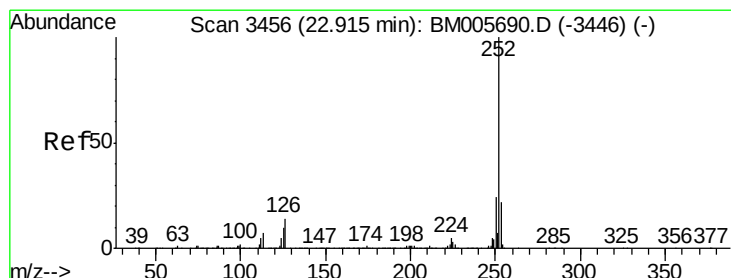
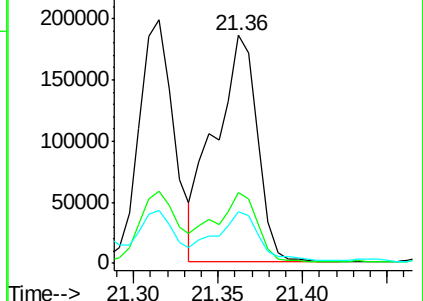
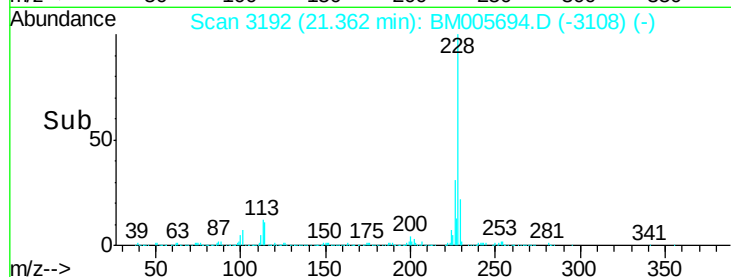
229 22.6 16.2 24.2



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: 15.18 ng/ul

RT: 22.91 min Scan# 3456

Delta R.T. 0.00 min

Lab File: BM005694.D

Acq: 07 Jun 2016 16:09

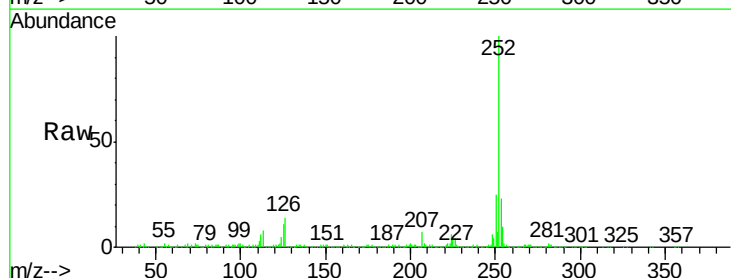
Tgt Ion: 252 Resp: 704459

Ion Ratio Lower Upper

252 100

253 23.2 18.1 27.1

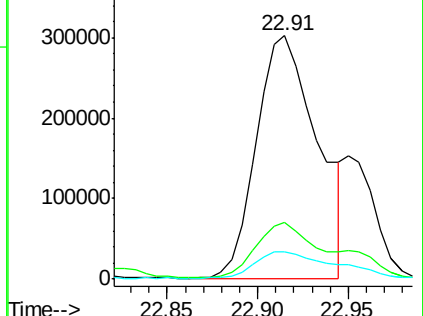
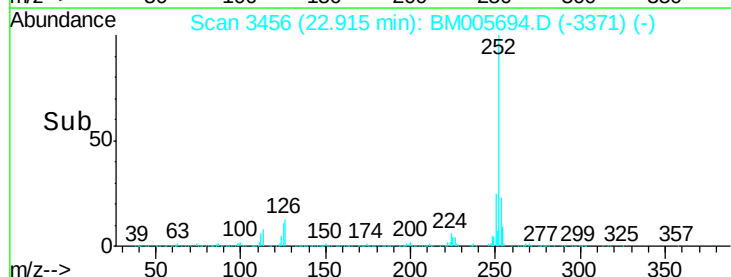
125 11.1 7.6 11.4

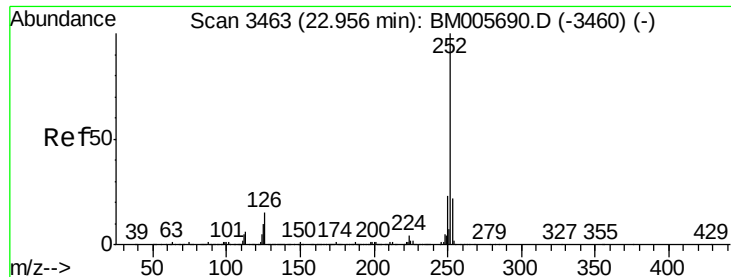


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 16.18 ng/ul

RT: 22.91 min Scan# 3456

Delta R.T. -0.04 min

Lab File: BM005694.D

Acq: 07 Jun 2016 16:09

Instrument :

BNA_M

ClientSampleId :

D9XS3

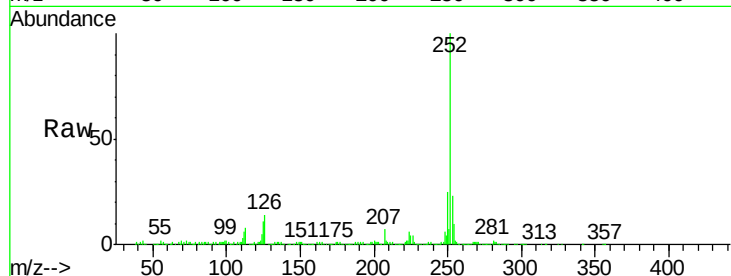
Tgt Ion:252 Resp: 704459

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

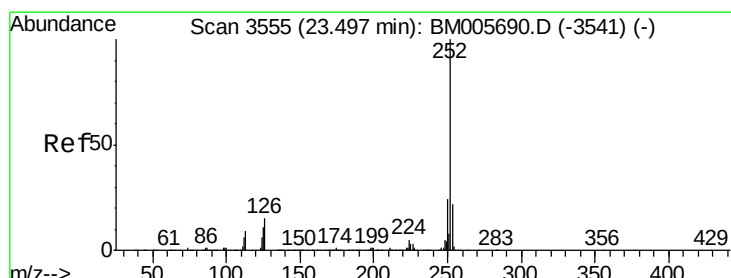
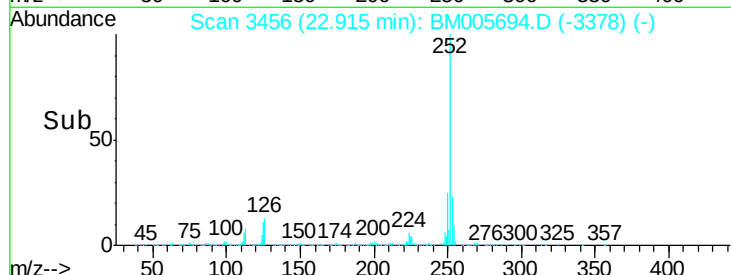
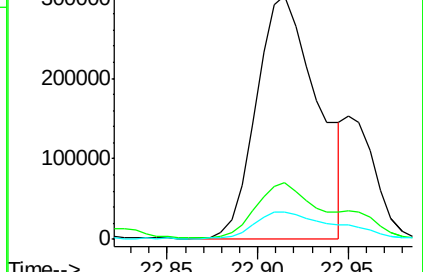
125 11.1 7.7 11.5



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: 7.76 ng/ul

RT: 23.49 min Scan# 3554

Delta R.T. -0.01 min

Lab File: BM005694.D

Acq: 07 Jun 2016 16:09

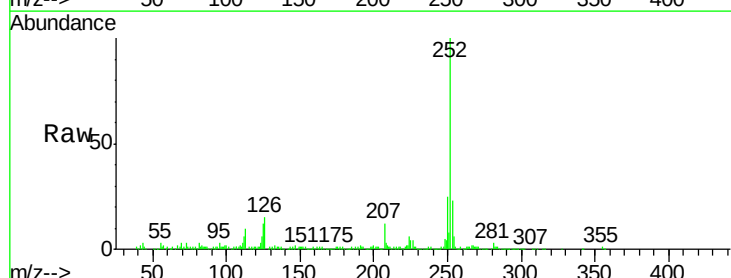
Tgt Ion:252 Resp: 346712

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

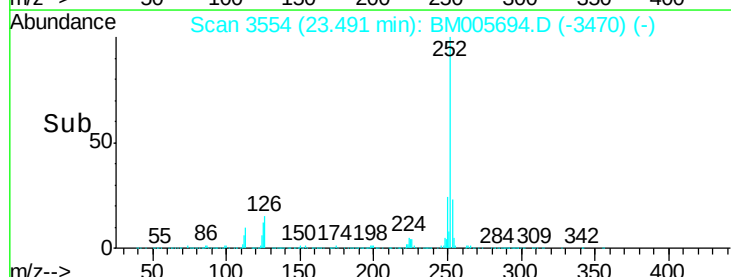
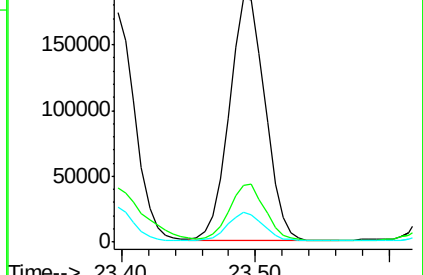
125 12.2 8.2 12.2

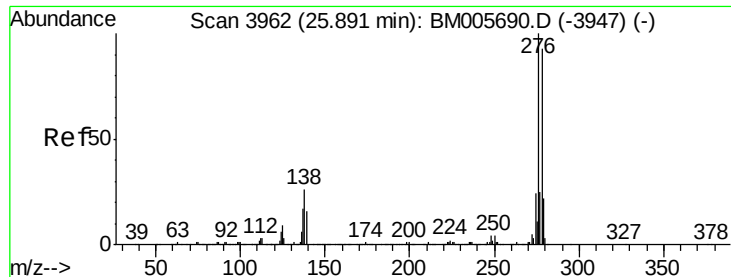


Abundance Ion 252.00 (251.70 to 252.70): E

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: 4.72 ng/ul

RT: 25.88 min Scan# 3960

Delta R.T. -0.01 min

Lab File: BM005694.D

Acq: 07 Jun 2016 16:09

Instrument :

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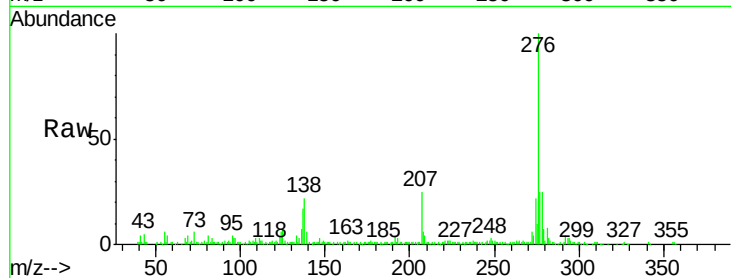
Tgt Ion:276 Resp: 249460

Ion Ratio Lower Upper

276 100

138 22.2 15.8 23.6

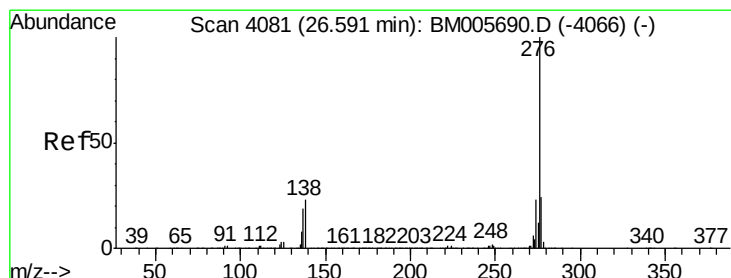
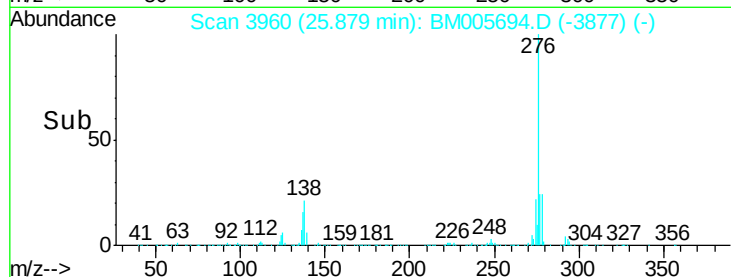
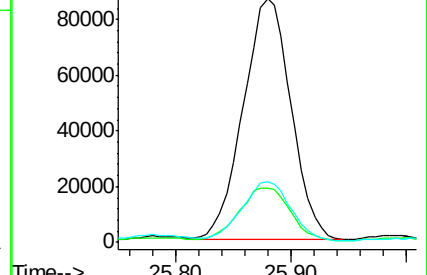
277 25.0 19.0 28.6



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: 5.32 ng/ul

RT: 26.59 min Scan# 4080

Delta R.T. -0.01 min

Lab File: BM005694.D

Acq: 07 Jun 2016 16:09

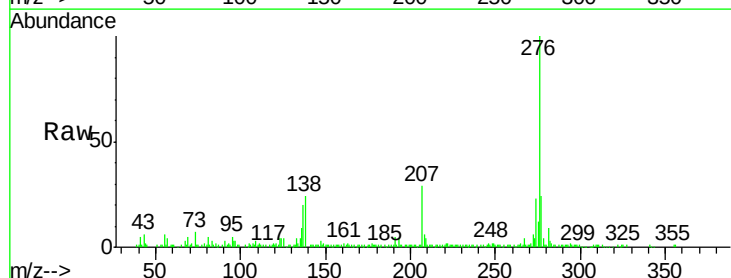
Tgt Ion:276 Resp: 236118

Ion Ratio Lower Upper

276 100

138 23.7 13.9 20.9#

277 24.1 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

