

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
 Data File : BM007090.D
 Acq On : 14 Aug 2016 04:23
 Operator : UM/SJ
 Sample : H4314-20
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BDJW8

Quant Time: Aug 15 13:33:55 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 15 10:34:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	252048	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	985665	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.44	164	562071	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.18	188	1319088	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	1713285	20.00	ng/ul	-0.01
83) Perylene-d12	23.63	264	1845011	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.32	96	16825	2.92	ng/uL	0.00
5) Phenol-d5	6.97	99	322144	15.78	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.15	67	189614	16.20	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	263859	16.22	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	238045	14.17	ng/ul	-0.01
19) Nitrobenzene-d5	8.96	128	122507	17.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	133605	17.47	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.21	165	263663	16.46	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.73	131	305184	16.01	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	824670	17.76	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	988044	17.71	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.63	143	97875	11.76	ng/ul	0.00
57) Fluorene-d10	15.43	176	731458	18.02	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	91545	12.56	ng/ul	-0.01
70) Anthracene-d10	17.28	188	1112097	18.20	ng/ul	0.00
76) Pyrene-d10	19.57	212	1358778	18.79	ng/ul	-0.01
87) Benzo(a)pyrene-d12	23.49	264	1550030	18.37	ng/ul	-0.02

Target Compounds

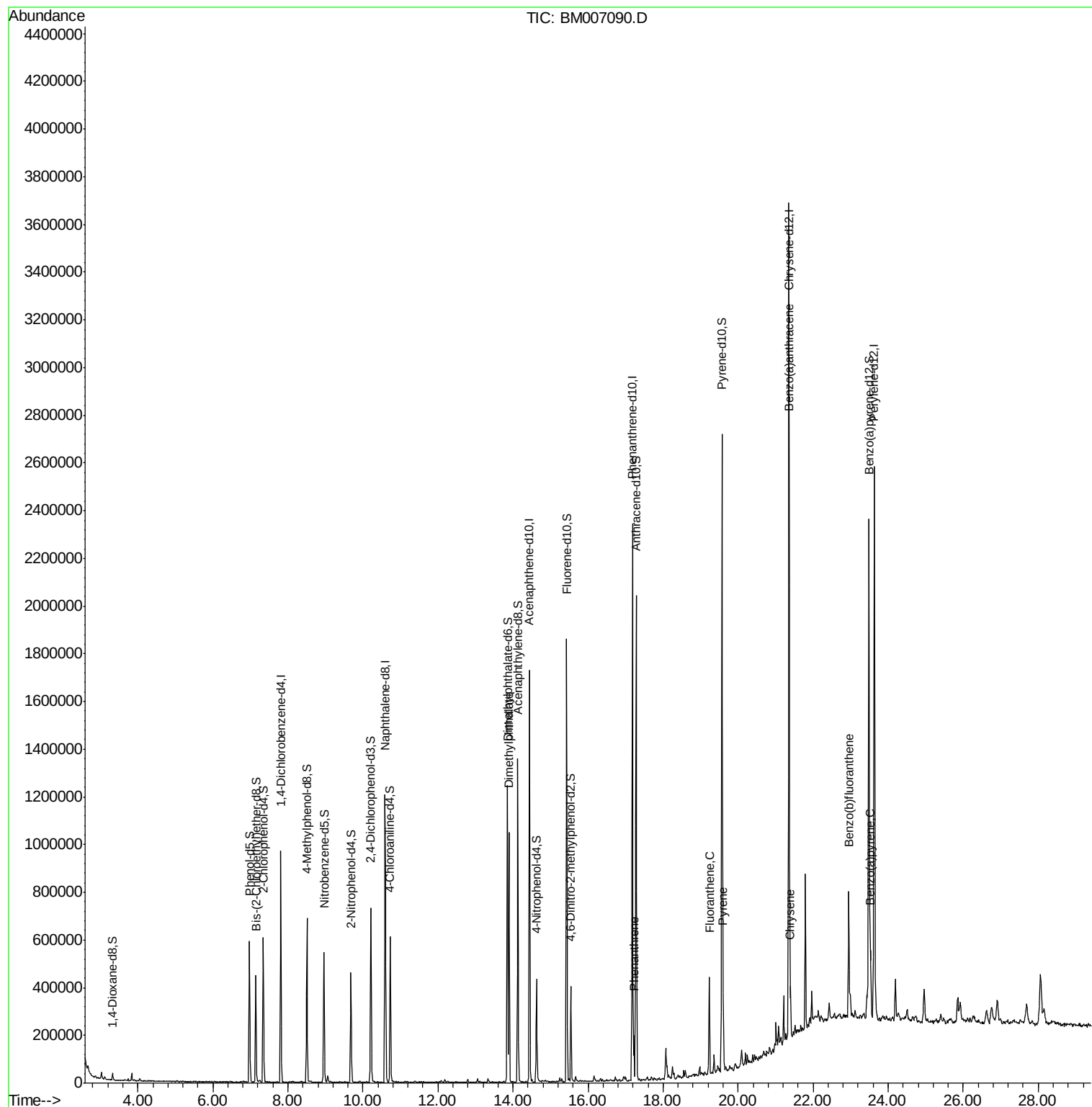
					Qvalue
44) Dimethylphthalate	13.89	163	658643	14.19 ng/ul	99
69) Phenanthrene	17.22	178	113271	1.60 ng/ul	100
74) Fluoranthene	19.23	202	249841	2.90 ng/ul	98
77) Pyrene	19.60	202	219207	2.31 ng/ul	99
80) Benzo(a)anthracene	21.34	228	109900	1.09 ng/ul	98
82) Chrysene	21.39	228	123093	1.33 ng/ul	99
85) Benzo(b)fluoranthene	22.95	252	162625	1.46 ng/ul#	93
88) Benzo(a)pyrene	23.53	252	110032	1.04 ng/ul#	97

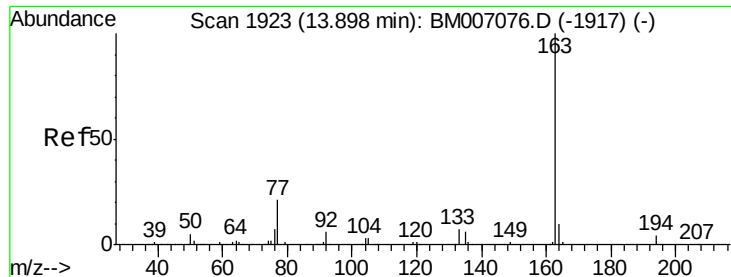
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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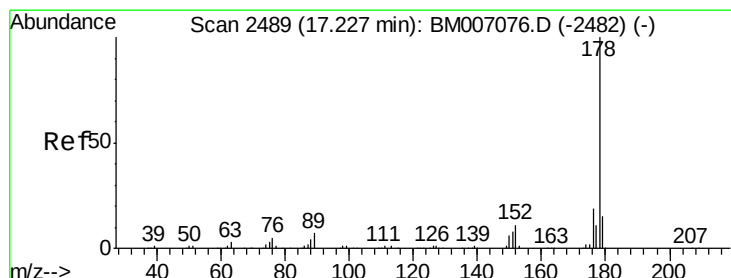
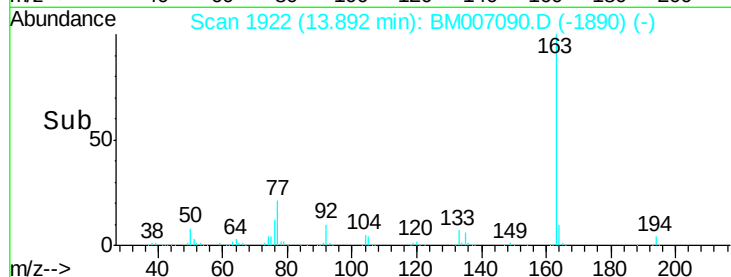
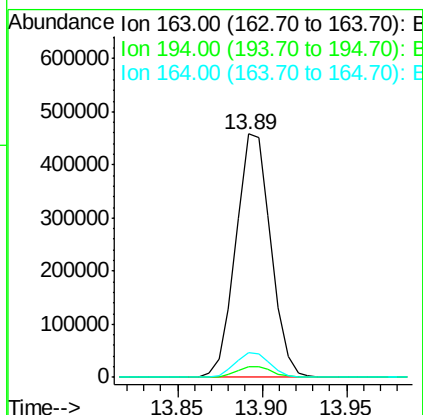
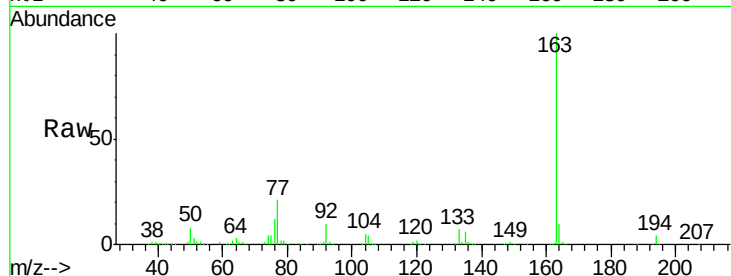




#44
 Dimethylphthalate
 Concen: 14.19 ng/ul
 RT: 13.89 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: BM007090.D
 Acq: 14 Aug 2016 04:23

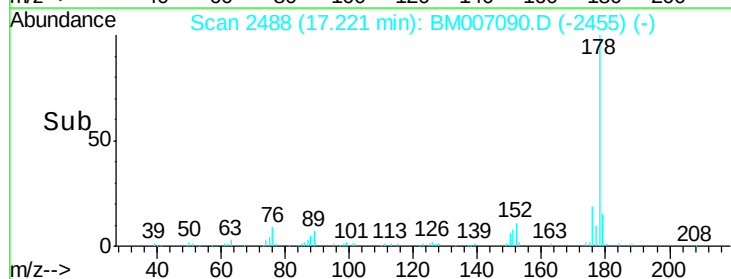
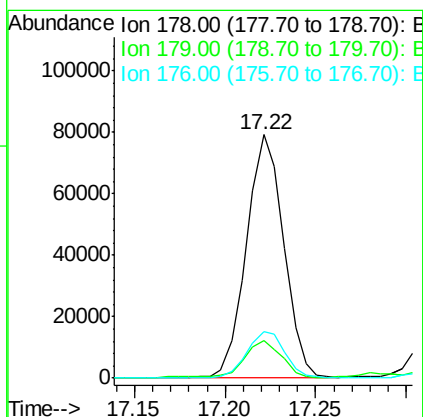
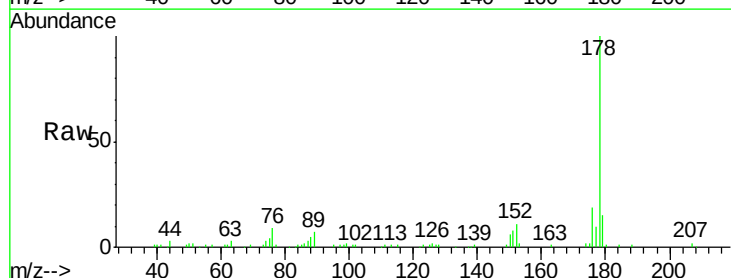
Instrument :
 BNA_M
 ClientSampleId :
 BDJW8

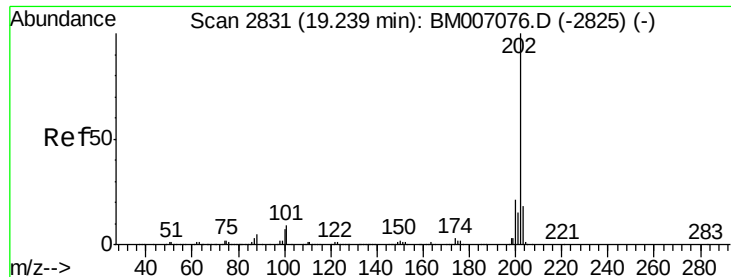
Tgt Ion:163 Resp: 658643
 Ion Ratio Lower Upper
 163 100
 194 4.1 3.4 5.2
 164 10.2 7.8 11.8



#69
 Phenanthrene
 Concen: 1.60 ng/ul
 RT: 17.22 min Scan# 2488
 Delta R.T. -0.01 min
 Lab File: BM007090.D
 Acq: 14 Aug 2016 04:23

Tgt Ion:178 Resp: 113271
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.2 18.2
 176 18.9 15.1 22.7





#74

Fluoranthene

Concen: 2.90 ng/ul

RT: 19.23 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BM007090.D

Acq: 14 Aug 2016 04:23

Instrument :

BNA_M

ClientSampleId :

BDJW8

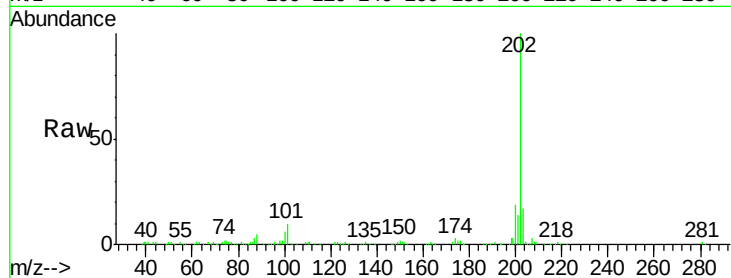
Tgt Ion:202 Resp: 249841

Ion Ratio Lower Upper

202 100

101 9.7 6.9 10.3

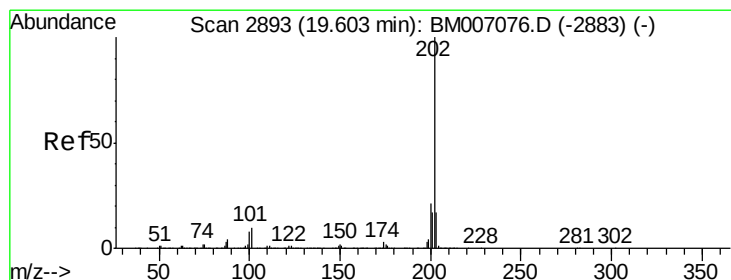
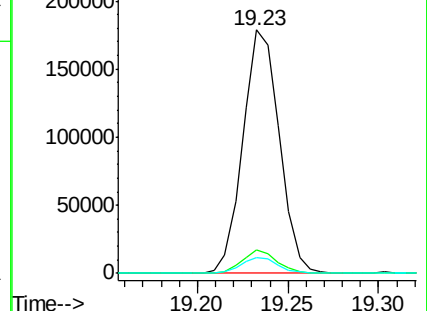
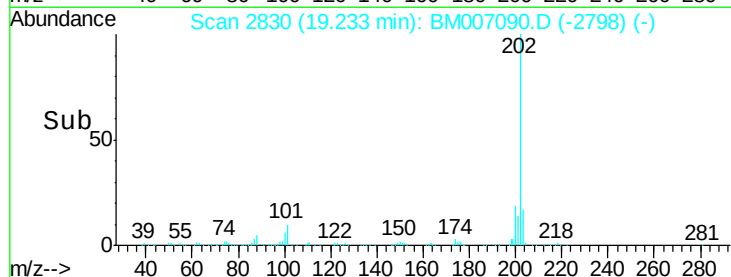
100 6.4 5.4 8.0



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



#77

Pyrene

Concen: 2.31 ng/ul

RT: 19.60 min Scan# 2892

Delta R.T. -0.01 min

Lab File: BM007090.D

Acq: 14 Aug 2016 04:23

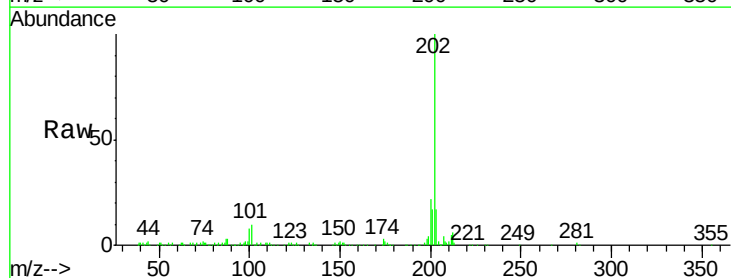
Tgt Ion:202 Resp: 219207

Ion Ratio Lower Upper

202 100

101 10.0 8.4 12.6

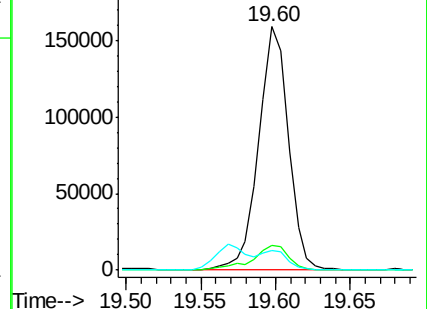
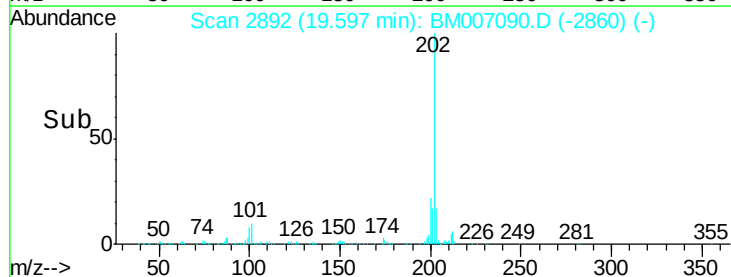
100 8.1 6.9 10.3

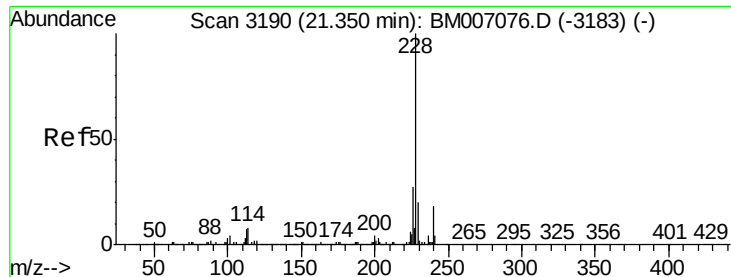


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 1.09 ng/ul

RT: 21.34 min Scan# 3189

Delta R.T. -0.01 min

Lab File: BM007090.D

Acq: 14 Aug 2016 04:23

Instrument :

BNA_M

ClientSampleId :

BDJW8

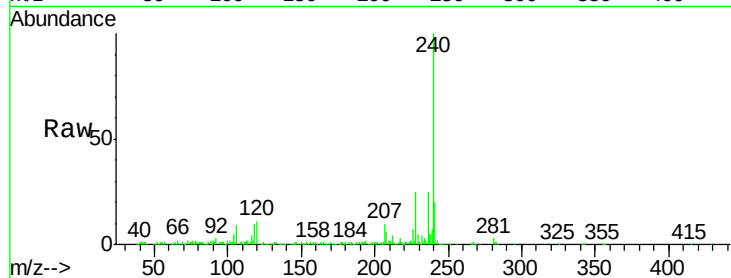
Tgt Ion:228 Resp: 109900

Ion Ratio Lower Upper

228 100

229 20.2 15.6 23.4

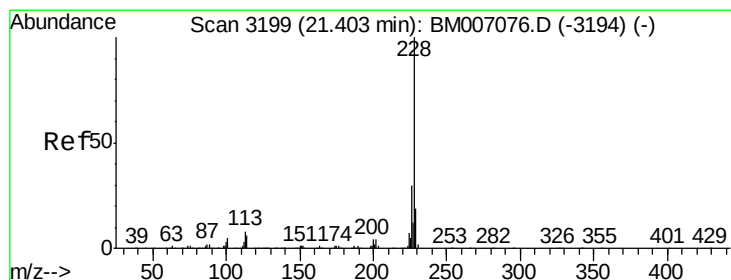
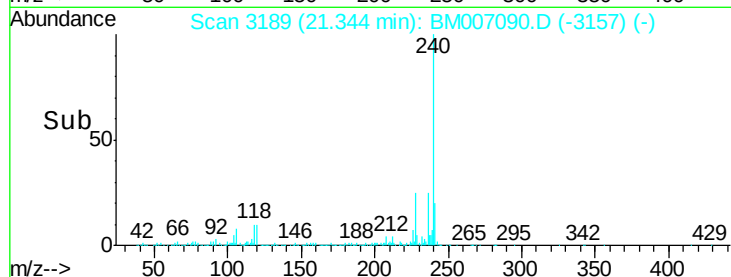
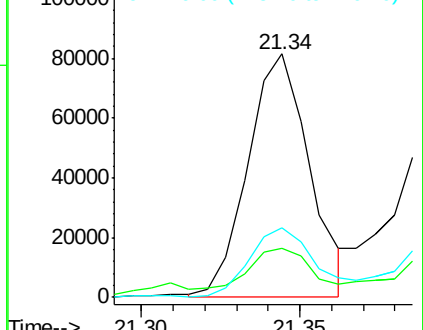
226 28.6 21.8 32.8



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



#82

Chrysene

Concen: 1.33 ng/ul

RT: 21.39 min Scan# 3197

Delta R.T. -0.02 min

Lab File: BM007090.D

Acq: 14 Aug 2016 04:23

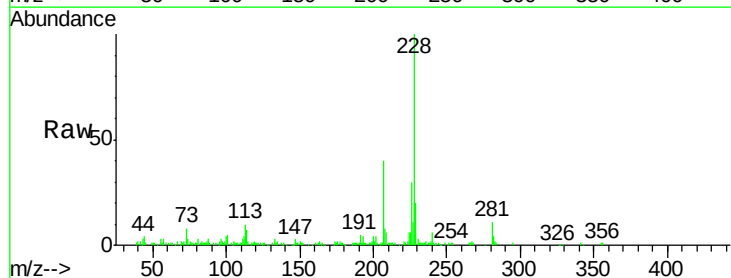
Tgt Ion:228 Resp: 123093

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.2

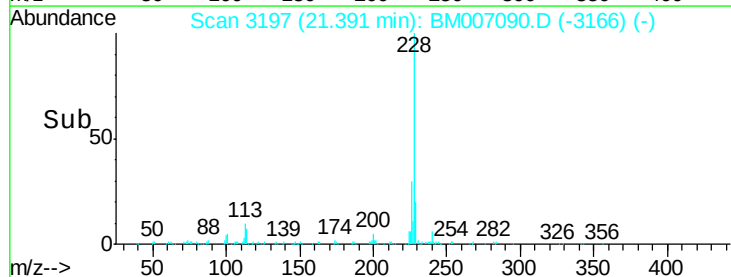
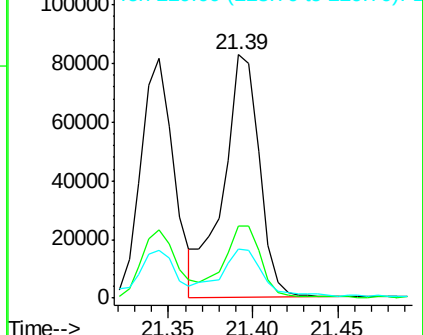
229 20.1 15.5 23.3

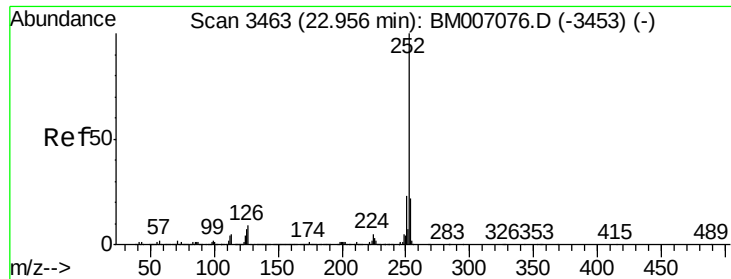


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 1.46 ng/ul

RT: 22.95 min Scan# 3462

Delta R.T. -0.01 min

Lab File: BM007090.D

Acq: 14 Aug 2016 04:23

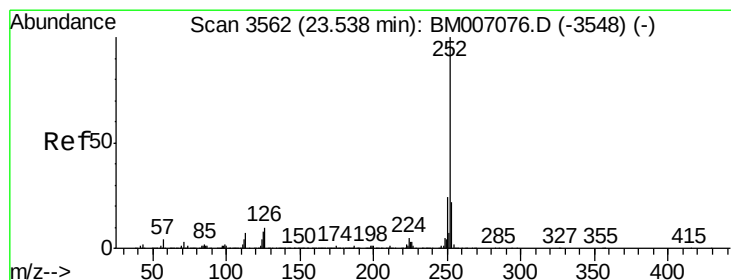
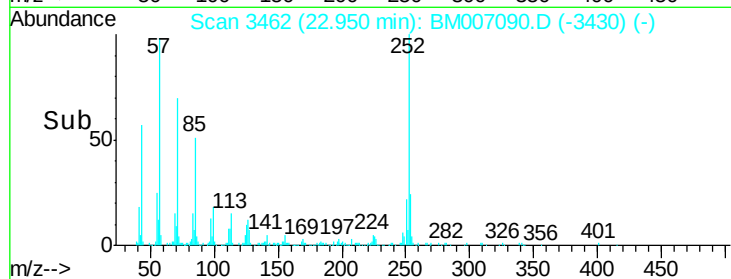
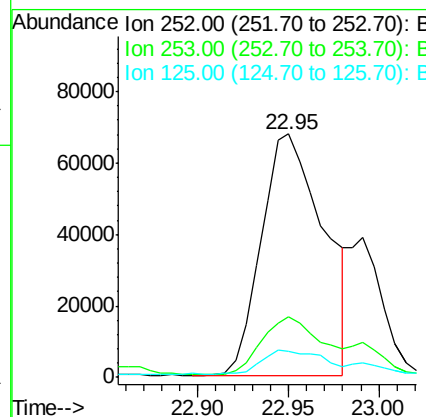
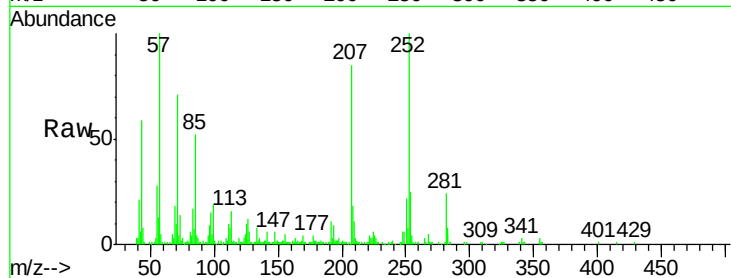
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Tgt Ion:	252	Resp:	162625
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.1	25.7
125	10.4	5.8	8.8#



#88

Benzo(a)pyrene

Concen: 1.04 ng/ul

RT: 23.53 min Scan# 3561

Delta R.T. -0.02 min

Lab File: BM007090.D

Acq: 14 Aug 2016 04:23

Tgt Ion:	252	Resp:	110032
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.7	26.5
125	10.3	6.6	9.8#

