

Data Path : Z:\HPCHEM1\BNA_M\Data\BM011316\
 Data File : BM003980.D
 Acq On : 13 Jan 2016 06:53
 Operator : SJ/UM
 Sample : H1095-19 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC9A7DL

Quant Time: Jan 13 07:45:42 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 13 06:45:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	33689	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	167009	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	103584	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	238553	20.00	ng/ul	0.00
78) Chrysene-d12	21.27	240	260671	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	213333	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.85	99	6291	2.25	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	4219	2.67	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	5699	2.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	3523	1.55	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	2332	1.85	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	2465	1.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	5039	2.06	ng/ul	0.01
29) 4-Chloroaniline-d4	10.60	131	3623	1.12	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	21002	2.58	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	25154	2.54	ng/ul	0.00
52) 4-Nitrophenol-d4	14.56	143	575	0.39	ng/ul	0.02
58) Fluorene-d10	15.32	176	21619	3.13	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	861	0.64	ng/ul	0.00
71) Anthracene-d10	17.17	188	32864	2.98	ng/ul	0.00
79) Pyrene-d10	19.47	212	38767	2.87	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	33325	3.13	ng/ul	0.00

Target Compounds

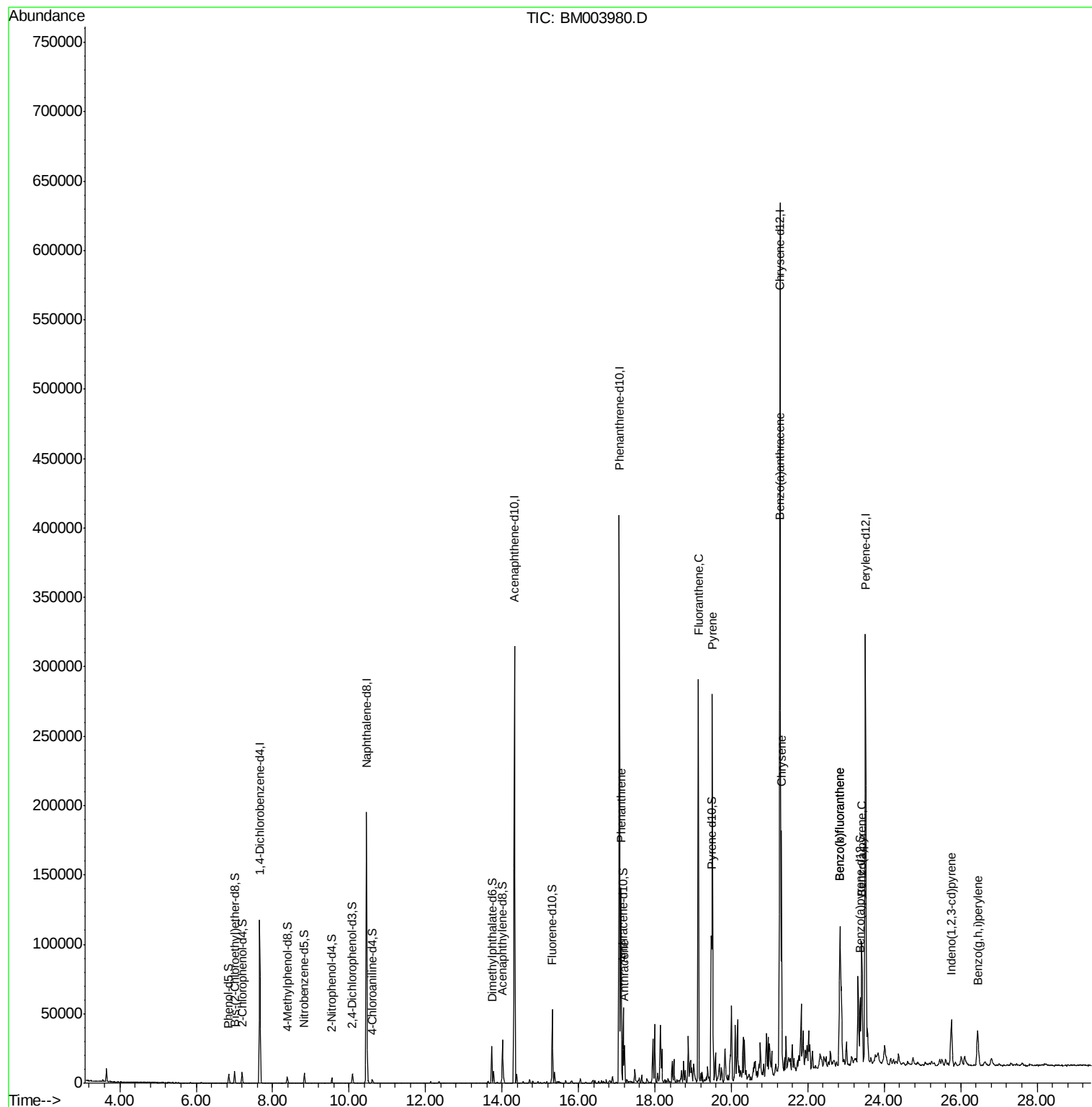
						Qvalue
70) Phenanthrene	17.11	178	85667	6.39	ng/ul	99
72) Anthracene	17.20	178	19273	1.40	ng/ul	99
77) Fluoranthene	19.14	202	169467	12.16	ng/ul	98
80) Pyrene	19.50	202	171437	9.69	ng/ul	98
83) Benzo(a)anthracene	21.26	228	85641	5.52	ng/ul	98
85) Chrysene	21.31	228	92413	6.27	ng/ul	97
88) Benzo(b)fluoranthene	22.84	252	95932	7.40	ng/ul	97
89) Benzo(k)fluoranthene	22.84	252	26855	2.18	ng/ul	96
91) Benzo(a)pyrene	23.41	252	64472	5.24	ng/ul#	95
92) Indeno(1,2,3-cd)pyrene	25.75	276	32848	2.41	ng/ul	95
94) Benzo(g,h,i)perylene	26.44	276	30990	2.71	ng/ul	97

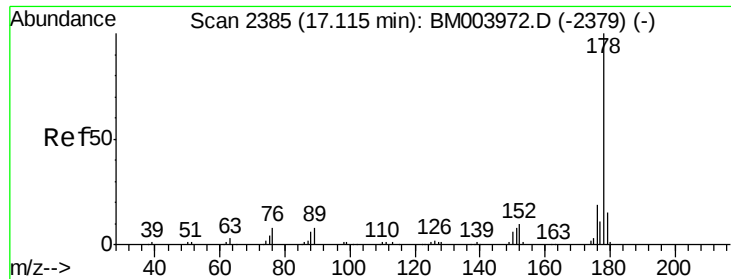
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#70

Phenanthrene

Concen: 6.39 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM003980.D

Acq: 13 Jan 2016 06:53

Instrument :

BNA_M

ClientSampleId :

BC9A7DL

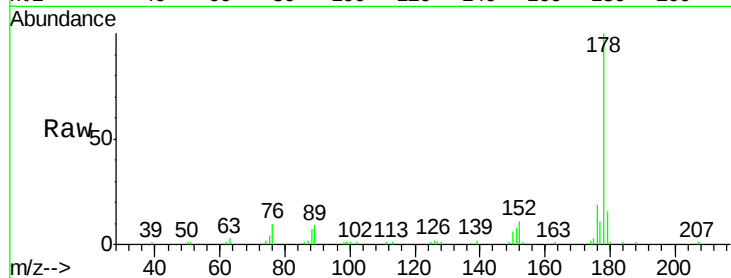
Tgt Ion:178 Resp: 85667

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

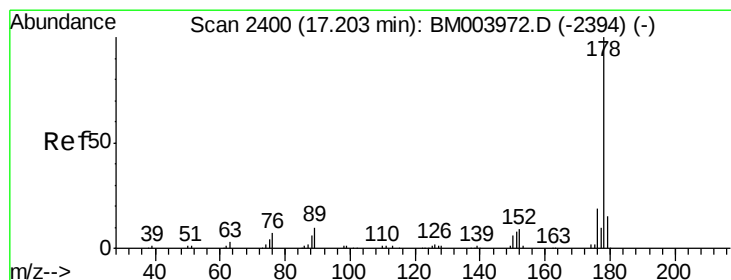
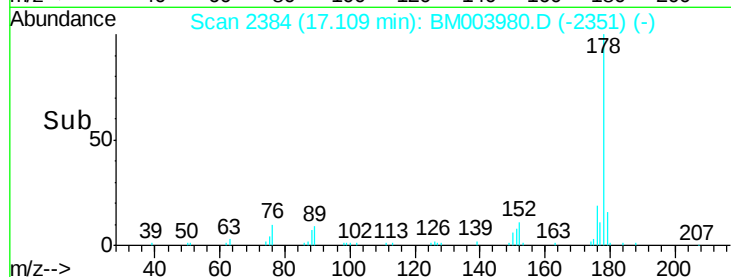
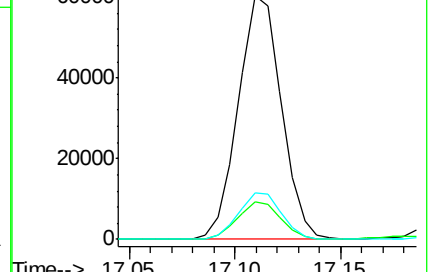
176 19.0 15.6 23.4



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



#72

Anthracene

Concen: 1.40 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BM003980.D

Acq: 13 Jan 2016 06:53

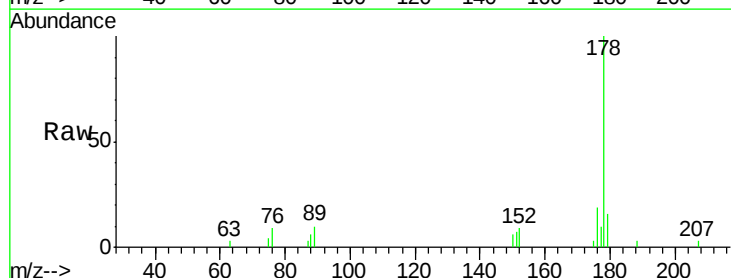
Tgt Ion:178 Resp: 19273

Ion Ratio Lower Upper

178 100

179 15.8 12.1 18.1

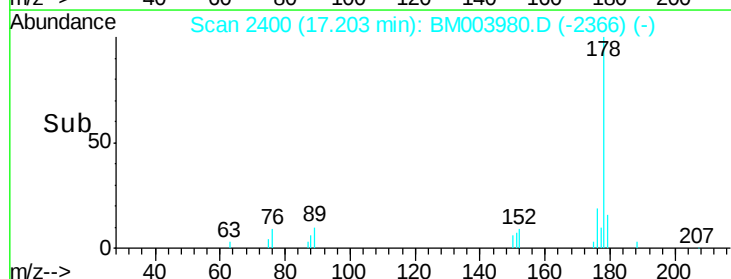
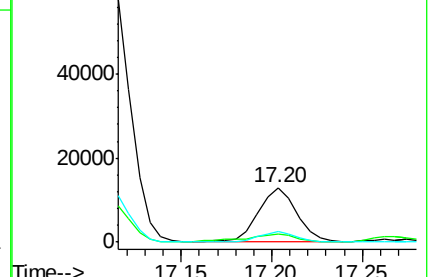
176 19.1 14.8 22.2

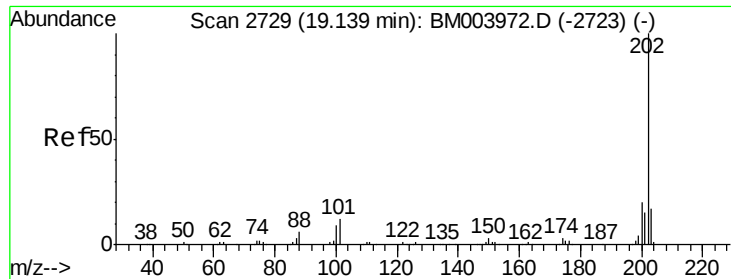


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

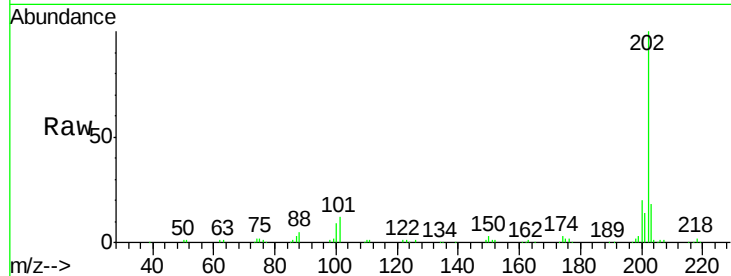




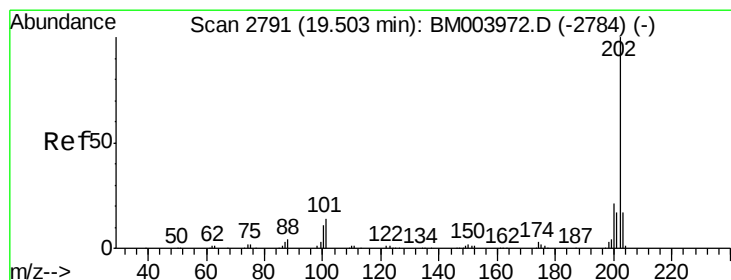
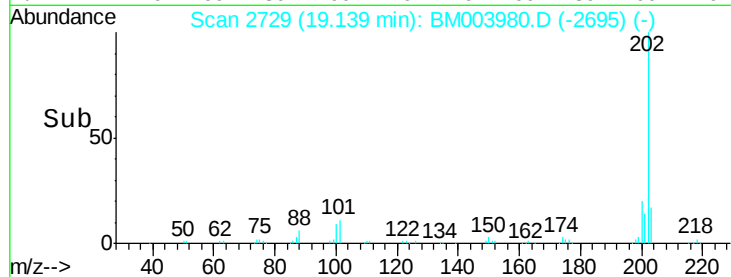
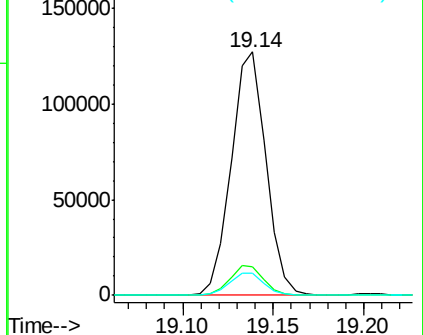
#77
 Fluoranthene
 Concen: 12.16 ng/ul
 RT: 19.14 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: BM003980.D
 Acq: 13 Jan 2016 06:53

Instrument :
 BNA_M
 ClientSampleId :
 BC9A7DL

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	8.8	13.2
100	8.9	6.6	9.8

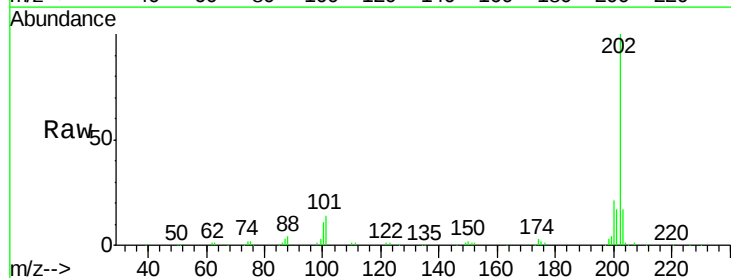


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

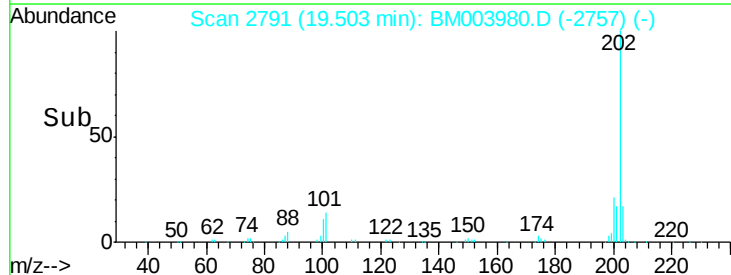
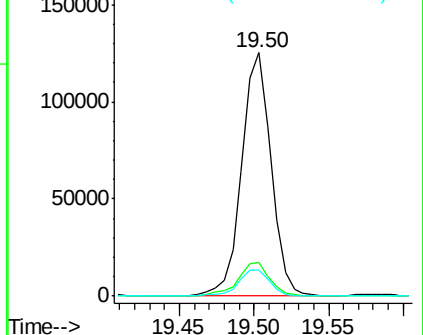


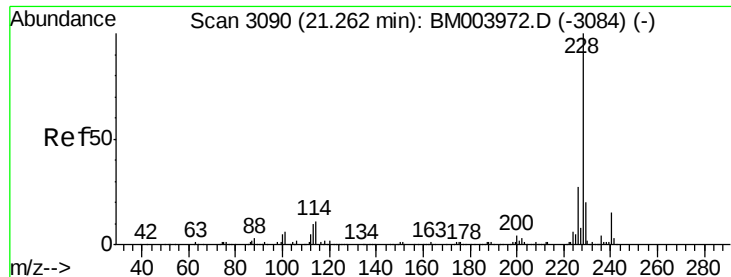
#80
 Pyrene
 Concen: 9.69 ng/ul
 RT: 19.50 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: BM003980.D
 Acq: 13 Jan 2016 06:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	10.2	15.2
100	10.9	8.5	12.7



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





#83

Benzo(a)anthracene

Concen: 5.52 ng/ul

RT: 21.26 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BM003980.D

Acq: 13 Jan 2016 06:53

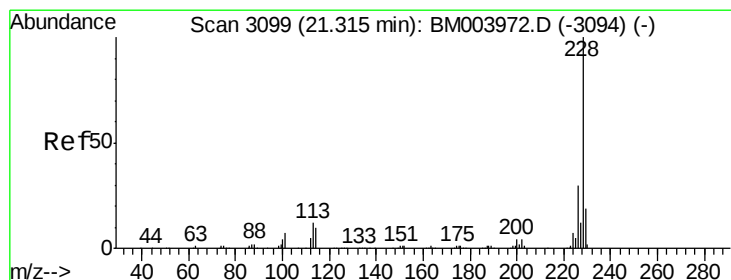
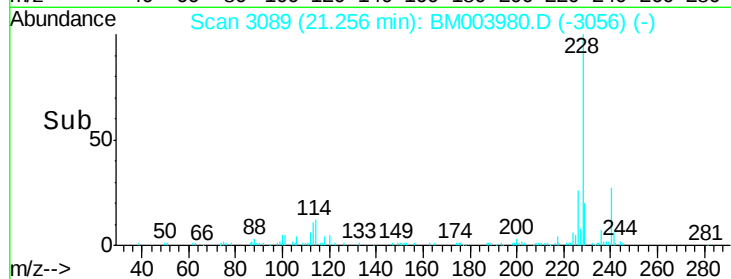
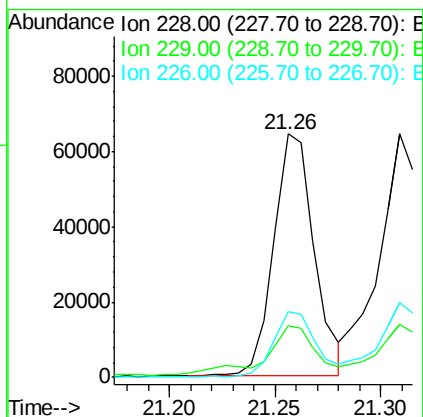
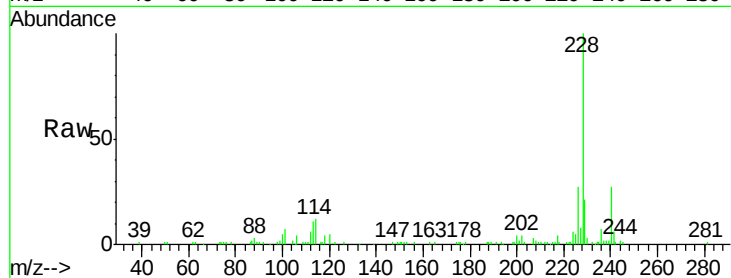
Instrument :

BNA_M

ClientSampleId :

BC9A7DL

Tgt Ion:	228	Resp:	85641
Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.7	23.5
226	27.0	21.8	32.6



#85

Chrysene

Concen: 6.27 ng/ul

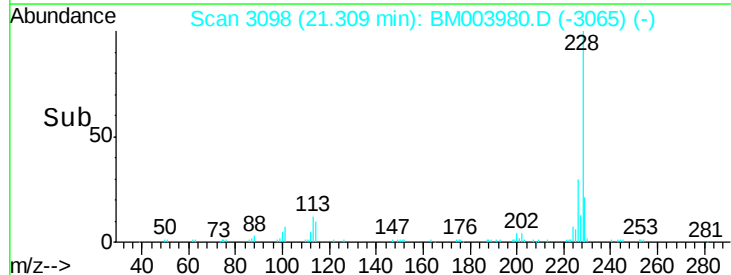
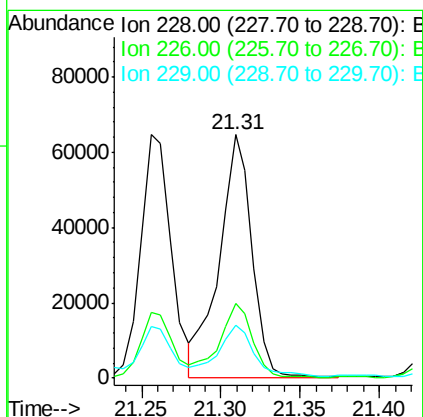
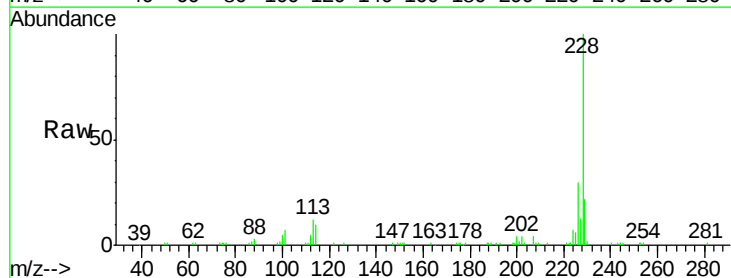
RT: 21.31 min Scan# 3098

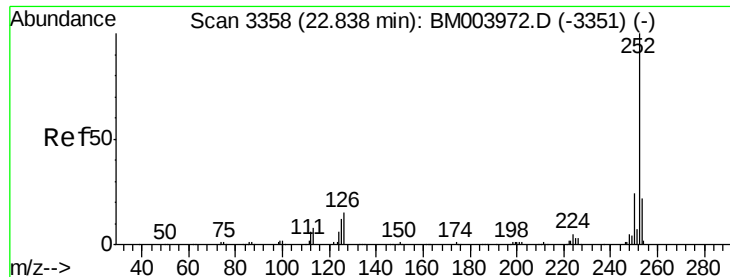
Delta R.T. -0.01 min

Lab File: BM003980.D

Acq: 13 Jan 2016 06:53

Tgt Ion:	228	Resp:	92413
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	21.9	15.6	23.4





#88

Benzo(b)fluoranthene

Concen: 7.40 ng/u1

RT: 22.84 min Scan# 3358

Delta R.T. -0.00 min

Lab File: BM003980.D

Acq: 13 Jan 2016 06:53

Instrument :

BNA_M

ClientSampled :

BC9A7DL

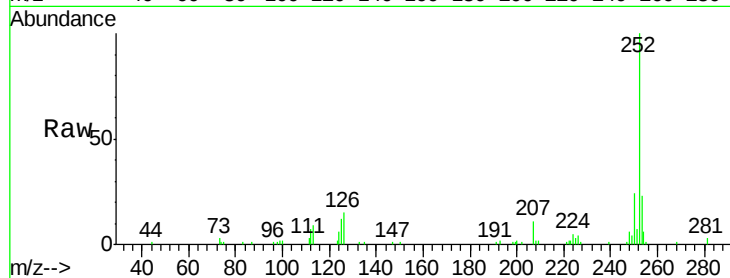
Tgt Ion:252 Resp: 95932

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

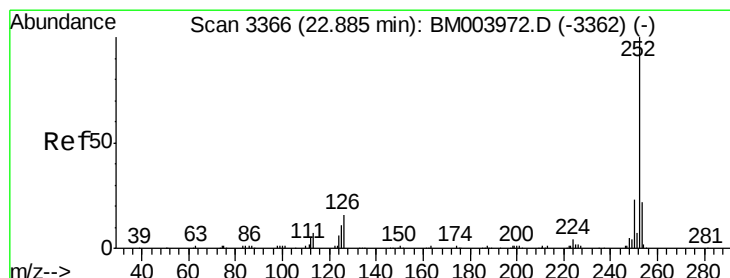
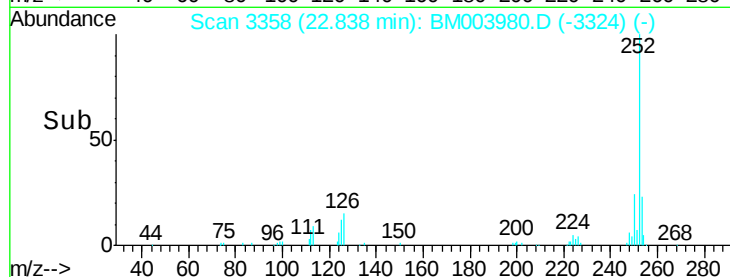
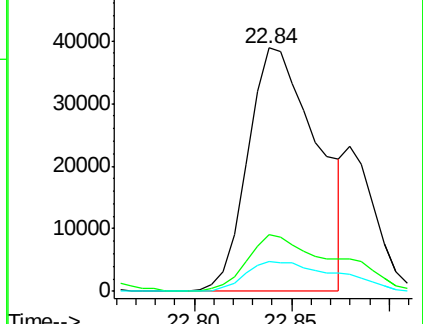
125 12.1 8.5 12.7



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



#89

Benzo(k)fluoranthene

Concen: 2.18 ng/u1

RT: 22.84 min Scan# 3358

Delta R.T. -0.05 min

Lab File: BM003980.D

Acq: 13 Jan 2016 06:53

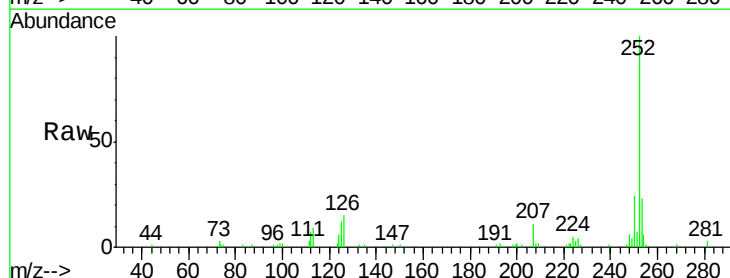
Tgt Ion:252 Resp: 26855

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

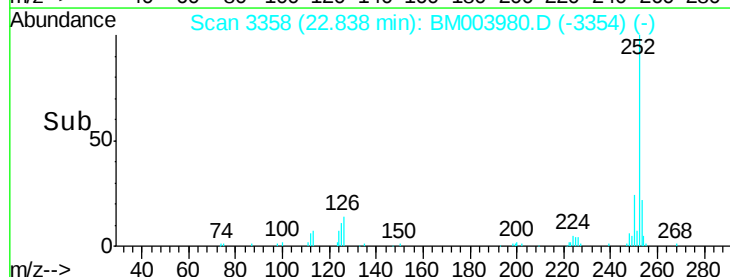
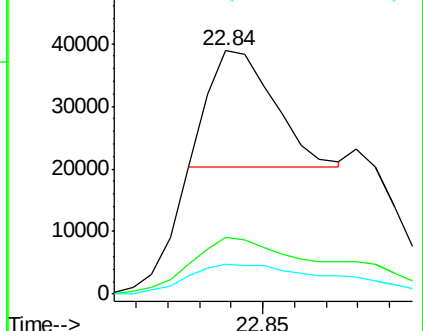
125 12.1 8.2 12.2

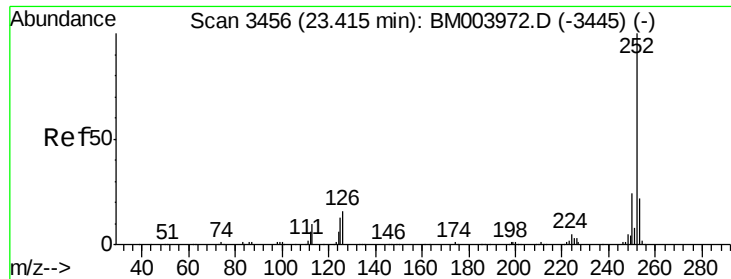


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 5.24 ng/ul

RT: 23.41 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BM003980.D

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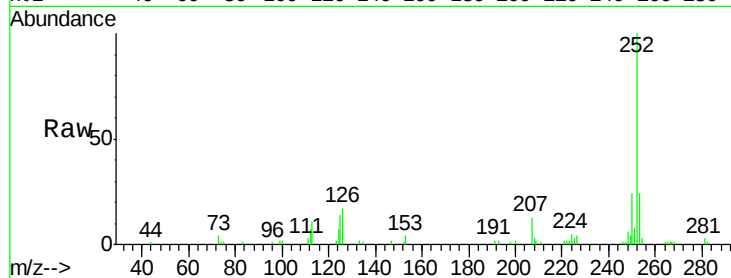
Tgt Ion:252 Resp: 64472

Ion Ratio Lower Upper

252 100

253 23.6 17.2 25.8

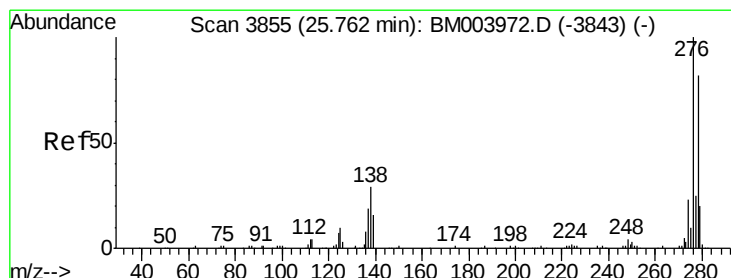
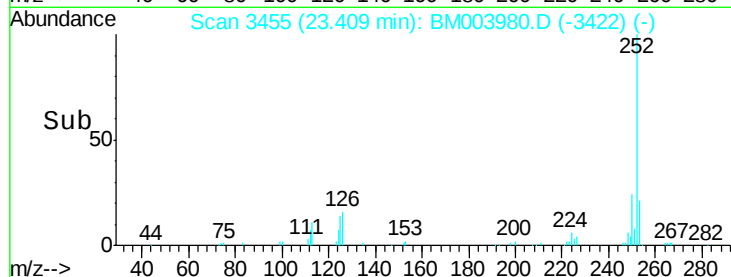
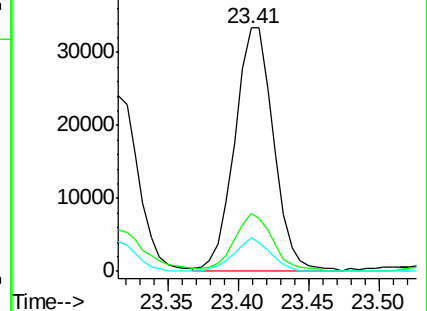
125 13.8 9.0 13.6#



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 2.41 ng/ul

RT: 25.75 min Scan# 3853

Delta R.T. -0.01 min

Lab File: BM003980.D

Acq: 13 Jan 2016 06:53

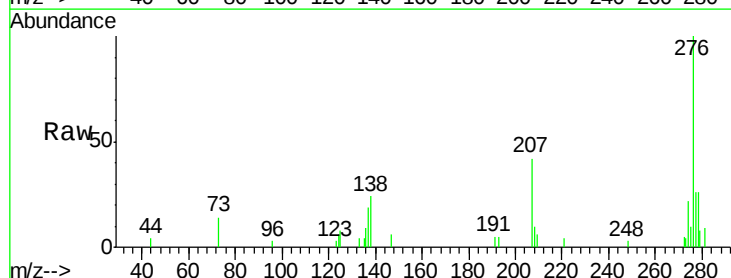
Tgt Ion:276 Resp: 32848

Ion Ratio Lower Upper

276 100

138 23.7 22.3 33.5

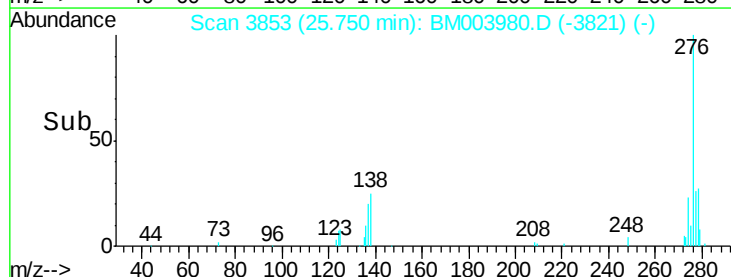
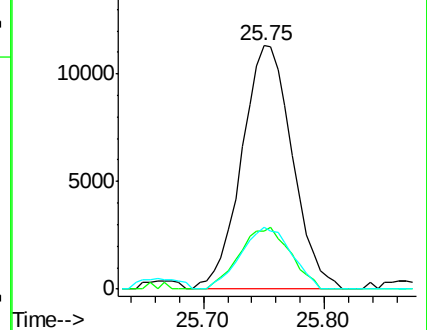
277 25.6 20.2 30.2

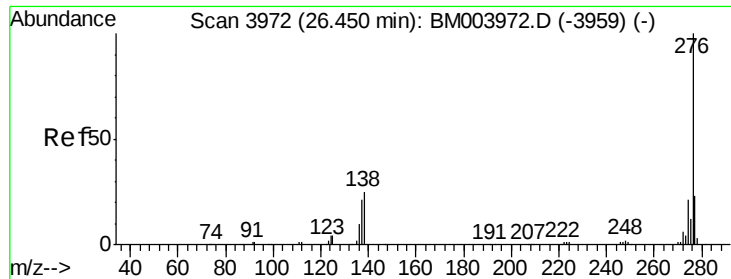


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#94

Benzo(g,h,i)perylene

Concen: 2.71 ng/ul

RT: 26.44 min Scan# 3971

Delta R.T. -0.01 min

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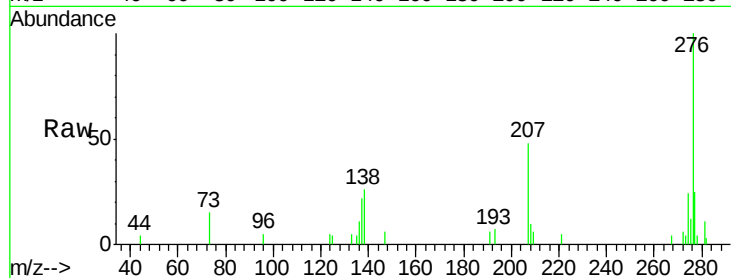
Tgt Ion: 276 Resp: 30990

Ion Ratio Lower Upper

276 100

138 25.8 18.9 28.3

277 24.6 19.2 28.8



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

