

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
 Data File : BM003991.D
 Acq On : 13 Jan 2016 19:09
 Operator : SJ/UM
 Sample : H1098-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC948

Quant Time: Jan 14 10:44:56 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	43260	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	207091	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	123227	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	275970	20.00	ng/ul	0.00
78) Chrysene-d12	21.28	240	255533	20.00	ng/ul	0.00
86) Perylene-d12	23.52	264	208298	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	5178	5.35	ng/uL	0.00
5) Phenol-d5	6.84	99	124499	34.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	74876	36.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	106471	36.07	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	104357	35.86	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	55578	35.63	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	61665	36.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	105325	34.67	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	155273	38.71	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	351371	36.32	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	437173	37.09	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	55669	32.04	ng/ul	0.00
58) Fluorene-d10	15.32	176	310967	37.90	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	44285	28.46	ng/ul	0.00
71) Anthracene-d10	17.17	188	475201	37.23	ng/ul	0.00
79) Pyrene-d10	19.47	212	515058	38.92	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	407875	39.21	ng/ul	0.00

Target Compounds

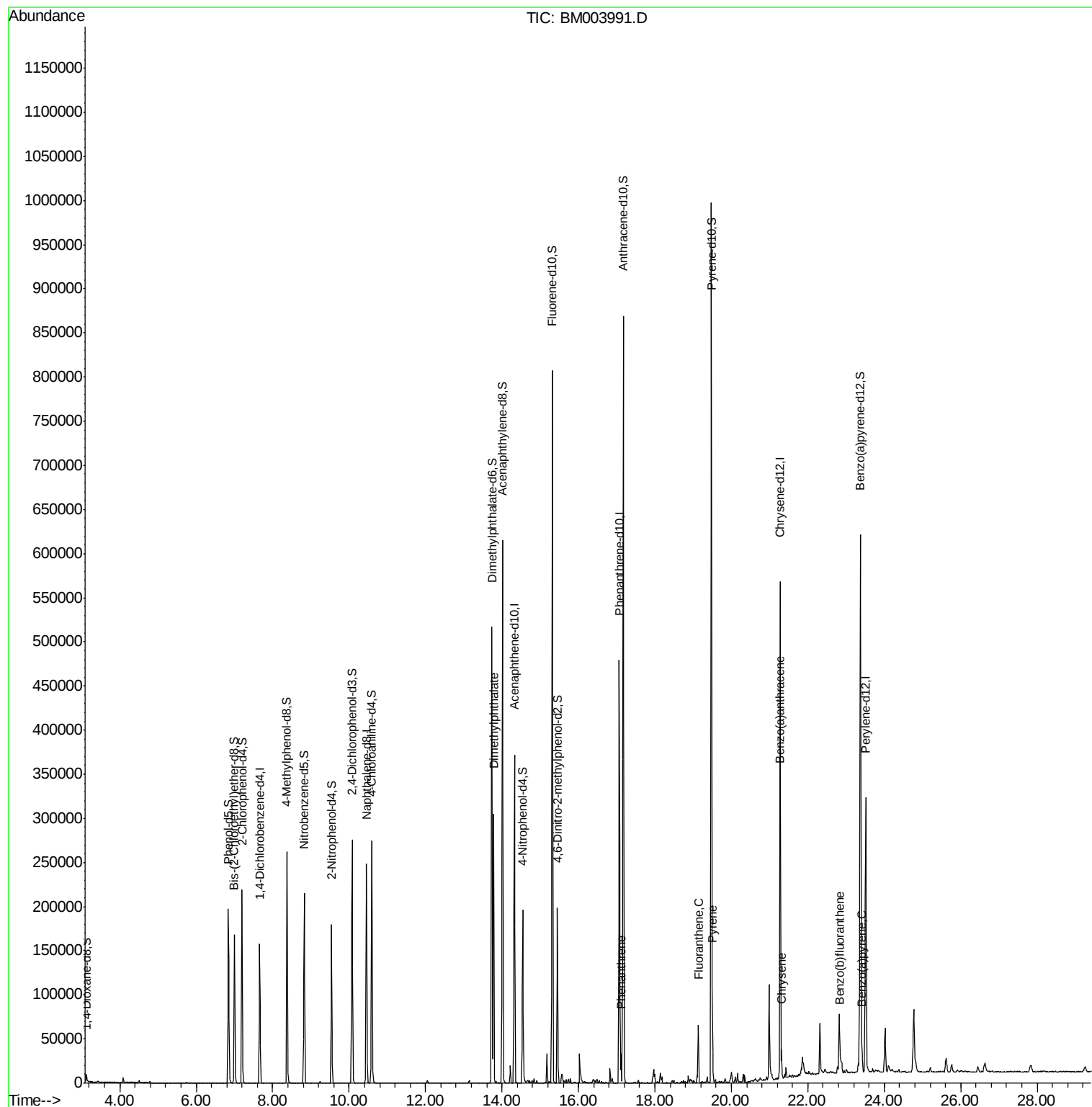
					Qvalue
45) Dimethylphthalate	13.78	163	201530	20.43 ng/ul	100
70) Phenanthrene	17.11	178	21560	1.39 ng/ul	99
77) Fluoranthene	19.14	202	39108	2.43 ng/ul	99
80) Pyrene	19.50	202	45905	2.65 ng/ul	98
83) Benzo(a)anthracene	21.26	228	18503	1.22 ng/ul	98
85) Chrysene	21.32	228	19654	1.36 ng/ul	96
88) Benzo(b)fluoranthene	22.84	252	17663	1.39 ng/ul	98
91) Benzo(a)pyrene	23.42	252	14021	1.17 ng/ul#	98

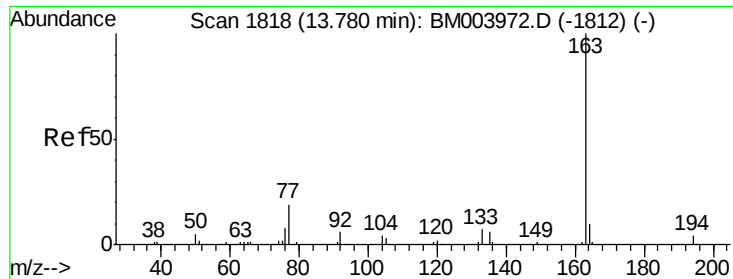
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#45

Dimethylphthalate

Concen: 20.43 ng/ul

RT: 13.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BM003991.D

Acq: 13 Jan 2016 19:09

Instrument :

BNA_M

ClientSampleId :

BC948

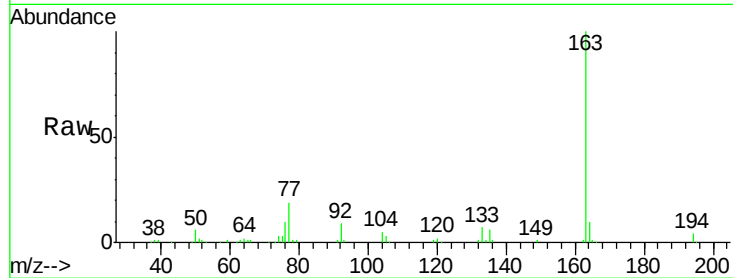
Tgt Ion:163 Resp: 201530

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

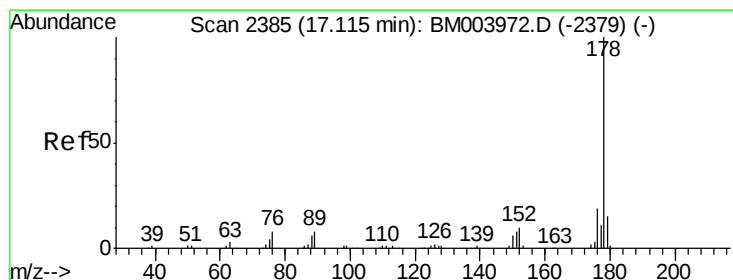
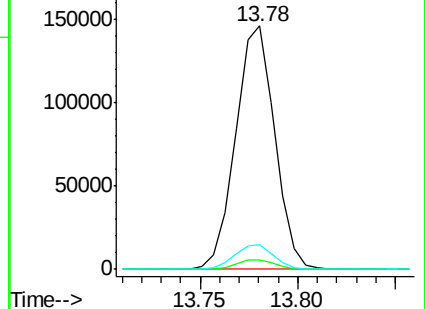
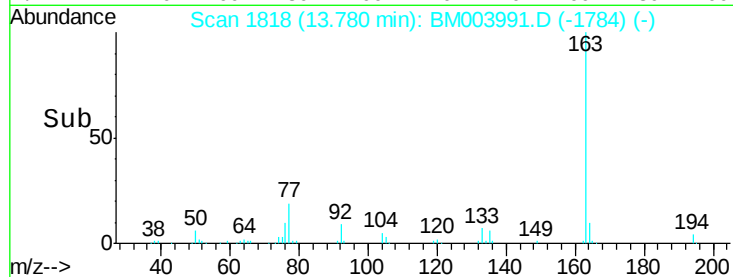
164 10.0 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#70

Phenanthrene

Concen: 1.39 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM003991.D

Acq: 13 Jan 2016 19:09

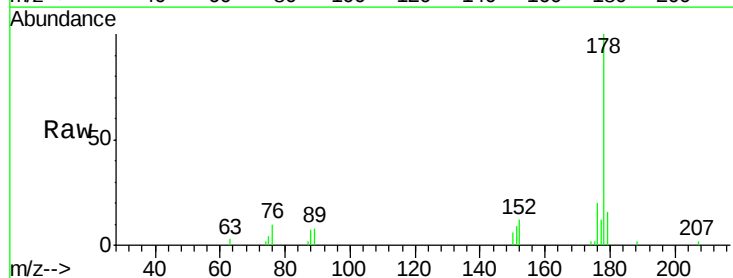
Tgt Ion:178 Resp: 21560

Ion Ratio Lower Upper

178 100

179 16.2 12.2 18.4

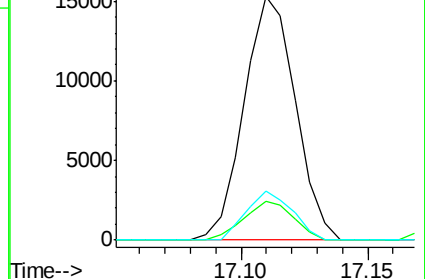
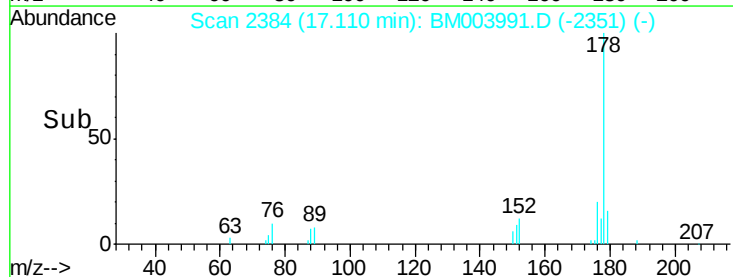
176 19.9 15.6 23.4

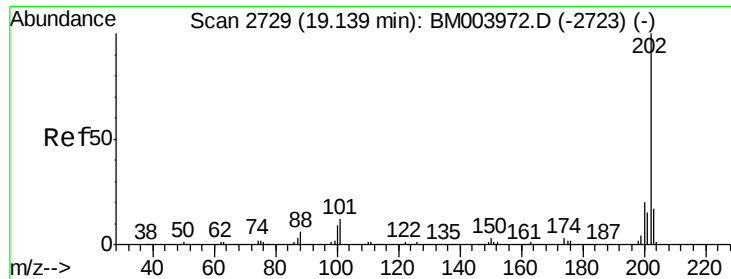


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

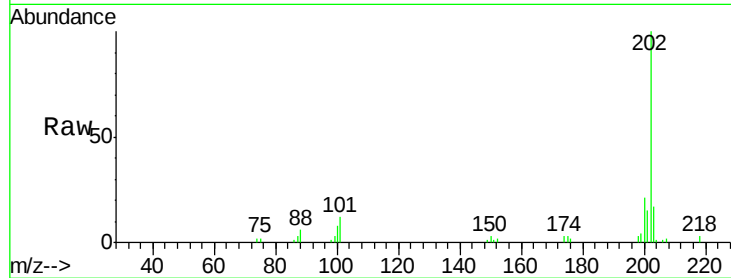




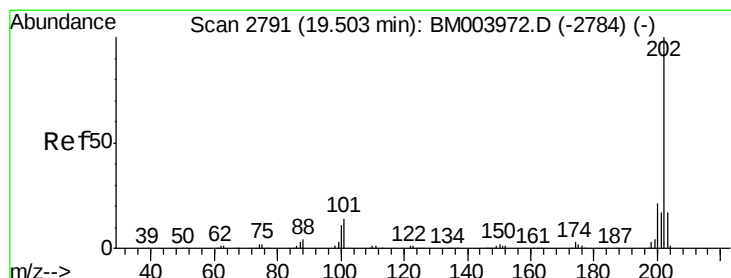
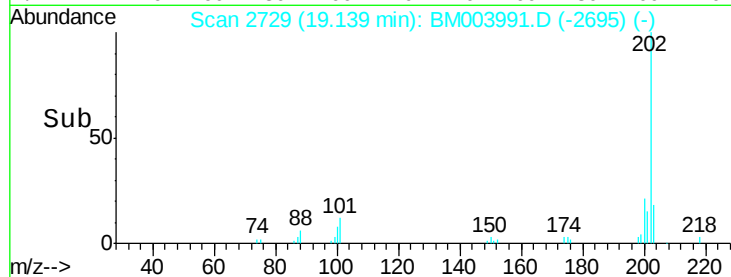
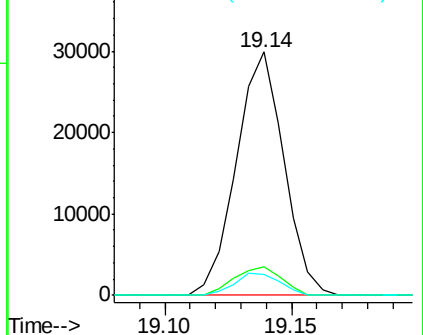
#77
Fluoranthene
 Concen: 2.43 ng/ul
 RT: 19.14 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: BM003991.D
 Acq: 13 Jan 2016 19:09

Instrument :
 BNA_M
 ClientSampleId :
 BC948

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	8.8	13.2
100	8.3	6.6	9.8

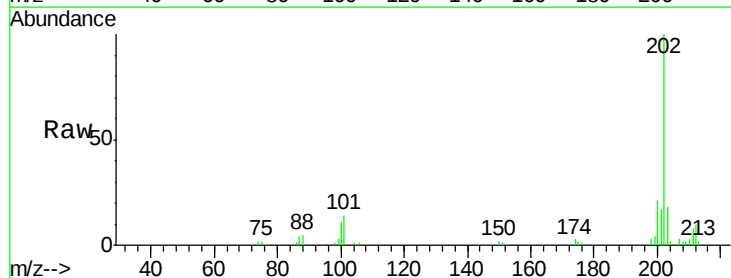


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

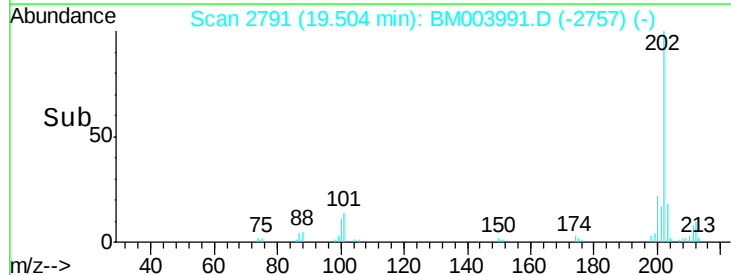
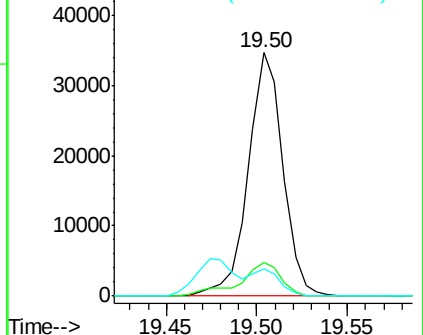


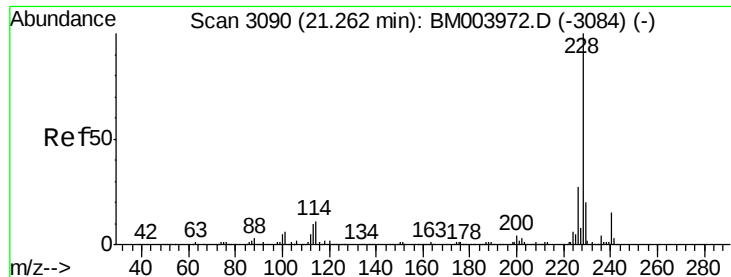
#80
Pyrene
 Concen: 2.65 ng/ul
 RT: 19.50 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: BM003991.D
 Acq: 13 Jan 2016 19:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	10.2	15.2
100	11.2	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: 1.22 ng/ul

RT: 21.26 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BM003991.D

Acq: 13 Jan 2016 19:09

Instrument :

BNA_M

ClientSampleId :

BC948

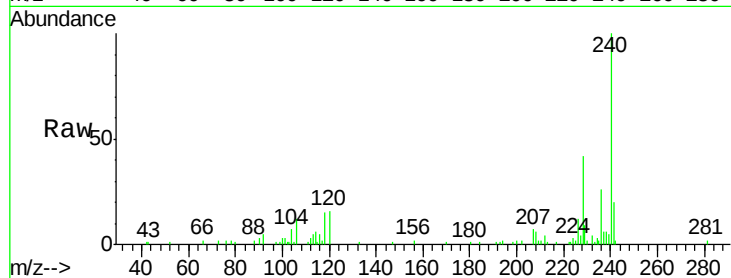
Tgt Ion:228 Resp: 18503

Ion Ratio Lower Upper

228 100

229 21.0 15.7 23.5

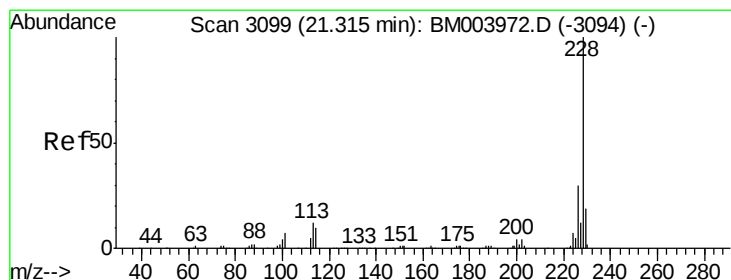
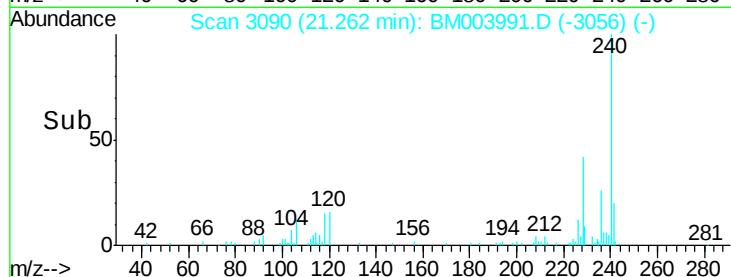
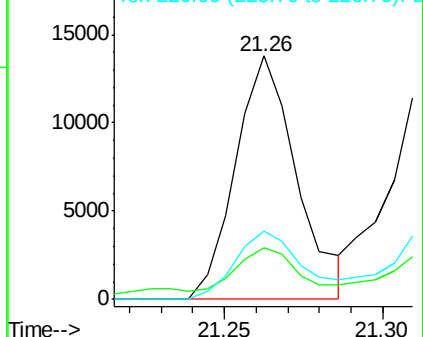
226 28.3 21.8 32.6



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



#85

Chrysene

Concen: 1.36 ng/ul

RT: 21.32 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM003991.D

Acq: 13 Jan 2016 19:09

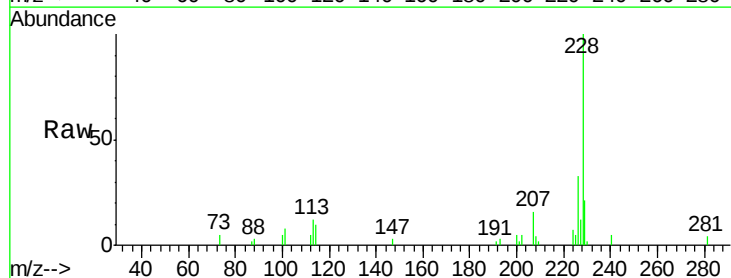
Tgt Ion:228 Resp: 19654

Ion Ratio Lower Upper

228 100

226 32.7 24.0 36.0

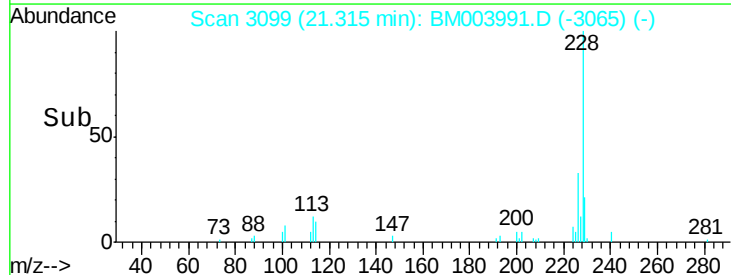
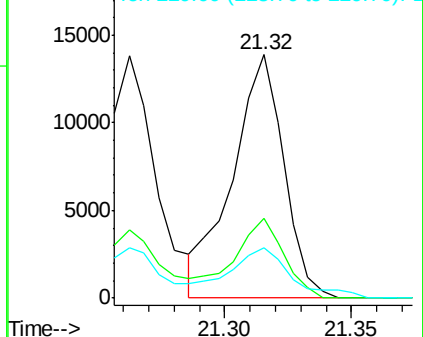
229 20.6 15.6 23.4

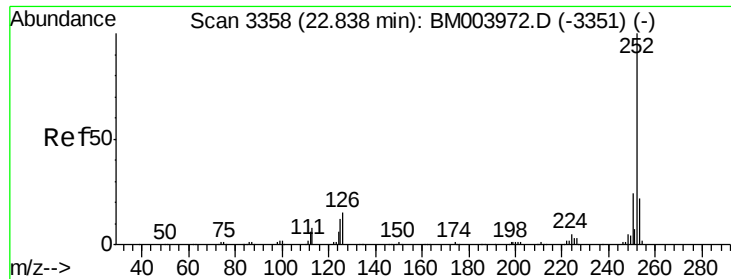


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 1.39 ng/ul

RT: 22.84 min Scan# 3359

Delta R.T. 0.01 min

Lab File: BM003991.D

Acq: 13 Jan 2016 19:09

Instrument :

BNA_M

ClientSampleId :

BC948

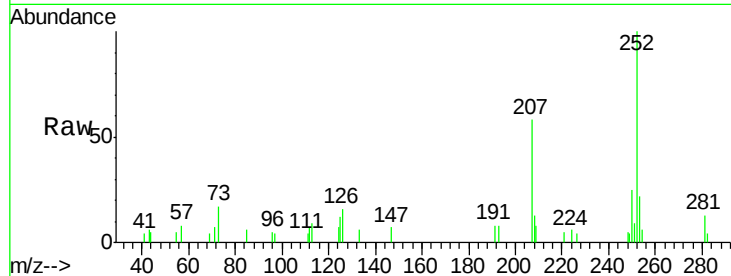
Tgt Ion:252 Resp: 17663

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

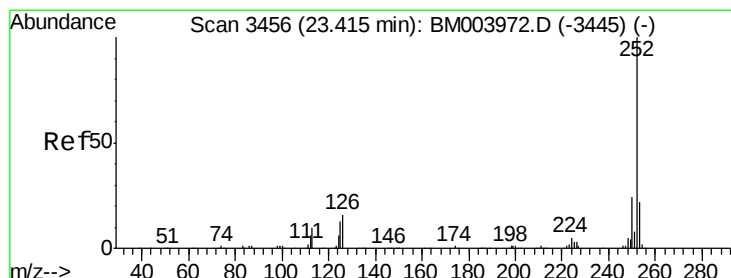
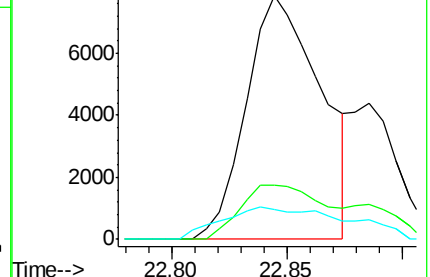
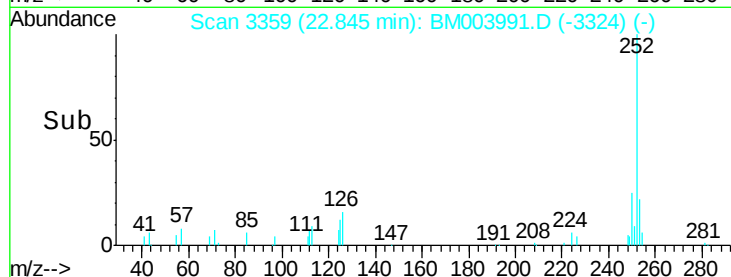
125 12.3 8.5 12.7



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



#91

Benzo(a)pyrene

Concen: 1.17 ng/ul

RT: 23.42 min Scan# 3456

Delta R.T. 0.00 min

Lab File: BM003991.D

Acq: 13 Jan 2016 19:09

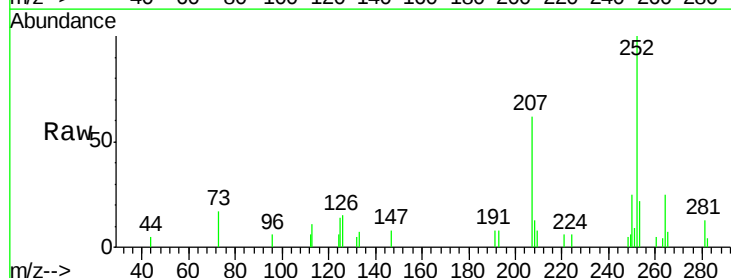
Tgt Ion:252 Resp: 14021

Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

125 13.7 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

