

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
 Data File : BM004055.D
 Acq On : 15 Jan 2016 19:37
 Operator : SJ/UM
 Sample : H1100-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC9C9

Quant Time: Jan 16 03:05:54 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 16 03:00:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	39252	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	186762	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	107954	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	231129	20.00	ng/ul	0.00
78) Chrysene-d12	21.27	240	191906	20.00	ng/ul	0.00
86) Perylene-d12	23.52	264	175495	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	3070	3.50	ng/uL	0.00
5) Phenol-d5	6.85	99	71645	21.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	43216	23.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	62120	23.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	38305	14.51	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	32995	23.45	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	36892	23.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	60357	22.03	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	73814	20.41	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	210298	24.81	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	258458	25.03	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	26148	17.18	ng/ul	0.00
58) Fluorene-d10	15.32	176	183596	25.54	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	19357	14.85	ng/ul	0.00
71) Anthracene-d10	17.17	188	264277	24.72	ng/ul	0.00
79) Pyrene-d10	19.47	212	271236	27.29	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	223126	25.46	ng/ul	0.00

Target Compounds

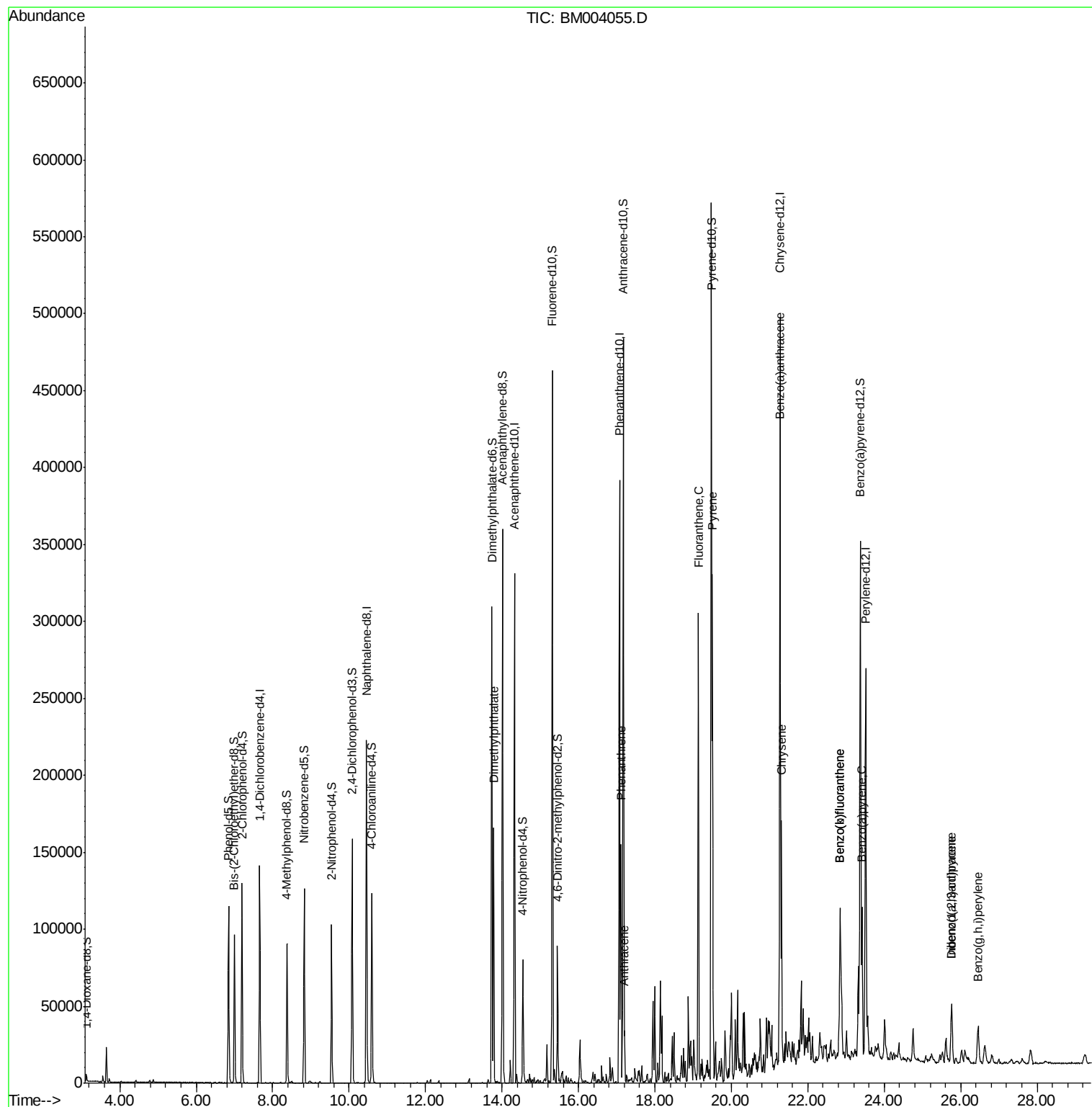
						Qvalue
45) Dimethylphthalate	13.78	163	108525	12.56	ng/ul	99
70) Phenanthrene	17.12	178	96281	7.41	ng/ul	99
72) Anthracene	17.20	178	21957	1.65	ng/ul	99
77) Fluoranthene	19.14	202	163527	12.11	ng/ul	99
80) Pyrene	19.50	202	190930	14.66	ng/ul	98
83) Benzo(a)anthracene	21.26	228	78173	6.84	ng/ul	97
85) Chrysene	21.31	228	86043	7.92	ng/ul	97
88) Benzo(b)fluoranthene	22.84	252	81748	7.66	ng/ul	98
89) Benzo(k)fluoranthene	22.84	252	42387	4.18	ng/ul	98
91) Benzo(a)pyrene	23.42	252	65270	6.45	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.76	276	37524	3.35	ng/ul	96
93) Dibenzo(a,h)anthracene	25.77	278	12014	1.28	ng/ul#	90
94) Benzo(g,h,i)perylene	26.46	276	30758	3.27	ng/ul	97

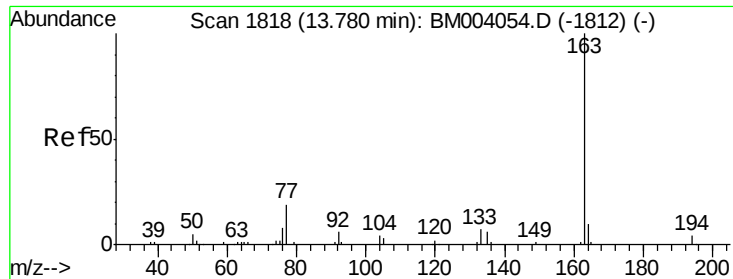
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 12.56 ng/ul

RT: 13.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BM004055.D

Acq: 15 Jan 2016 19:37

Instrument :

BNA_M

ClientSampleId :

BC9C9

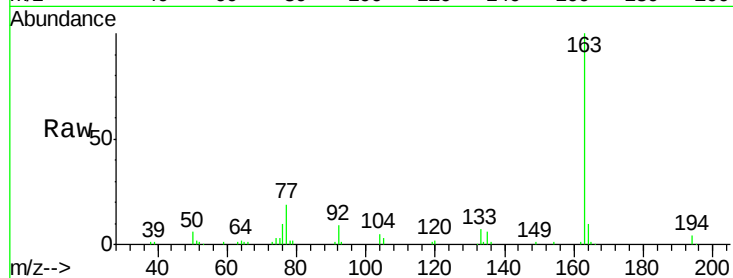
Tgt Ion:163 Resp: 108525

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

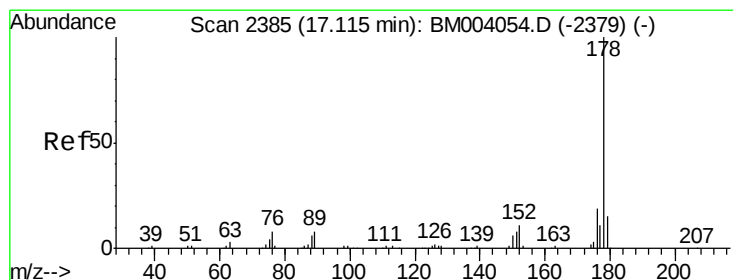
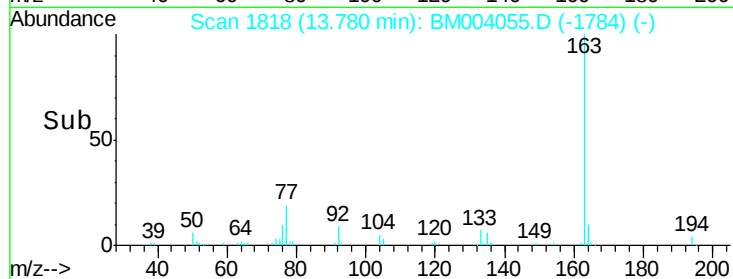
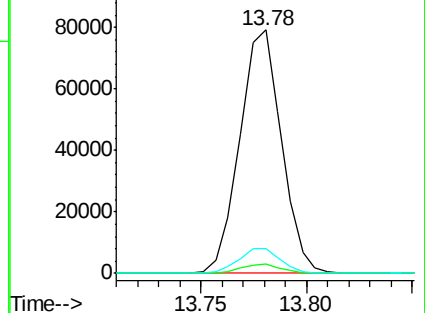
164 10.1 7.8 11.8



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: 7.41 ng/ul

RT: 17.12 min Scan# 2385

Delta R.T. 0.00 min

Lab File: BM004055.D

Acq: 15 Jan 2016 19:37

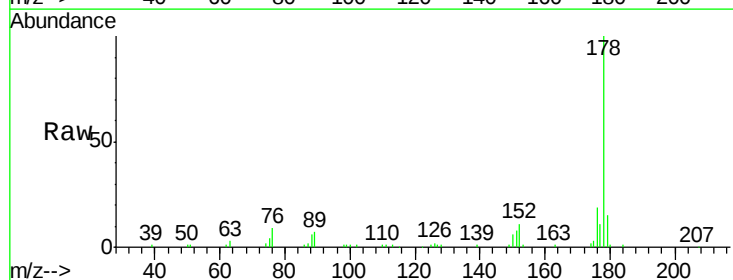
Tgt Ion:178 Resp: 96281

Ion Ratio Lower Upper

178 100

179 15.1 12.2 18.4

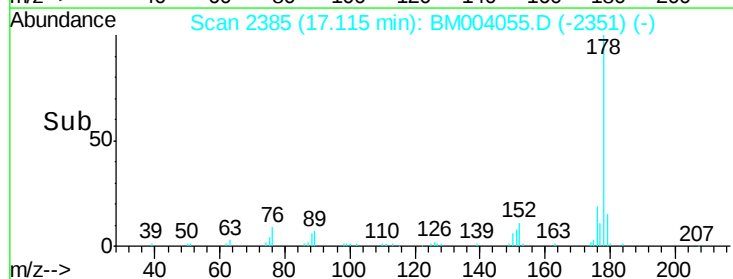
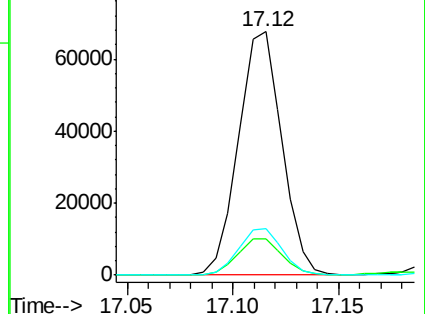
176 19.2 15.6 23.4

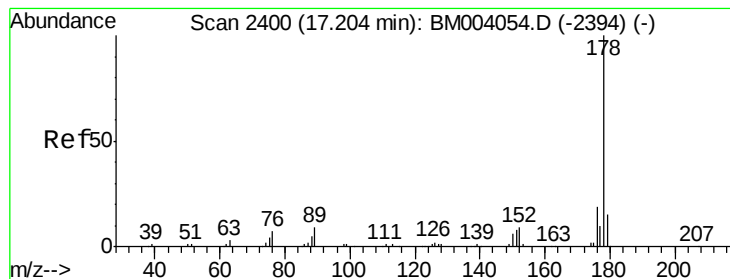


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 1.65 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM004055.D

Acq: 15 Jan 2016 19:37

Instrument :

BNA_M

ClientSampleId :

BC9C9

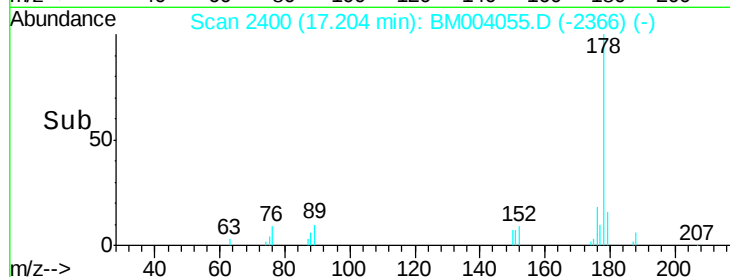
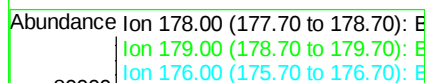
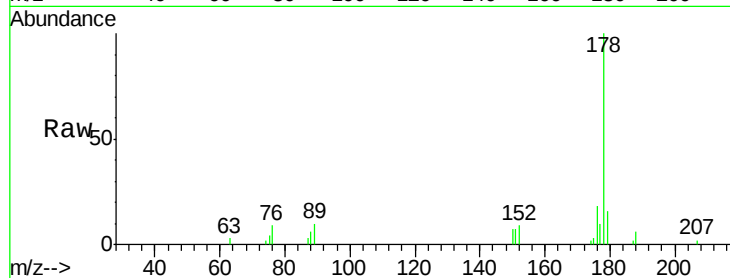
Tgt Ion:178 Resp: 21957

Ion Ratio Lower Upper

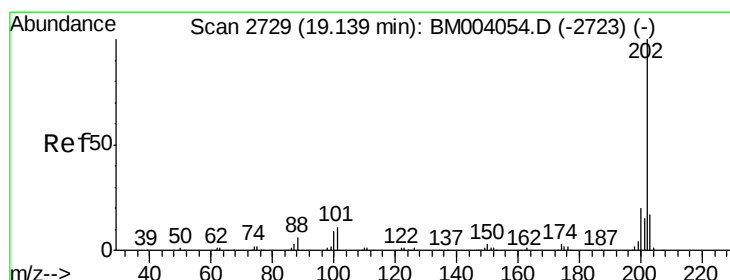
178 100

179 16.0 12.1 18.1

176 18.5 14.8 22.2



Time-->



#77

Fluoranthene

Concen: 12.11 ng/ul

RT: 19.14 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BM004055.D

Acq: 15 Jan 2016 19:37

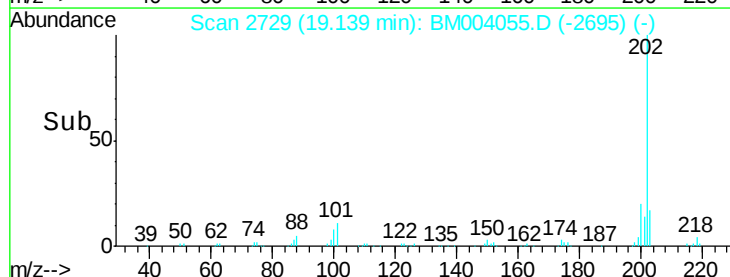
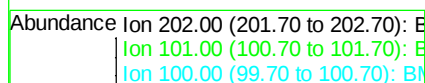
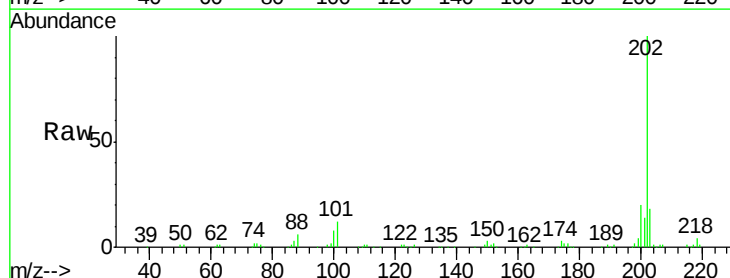
Tgt Ion:202 Resp: 163527

Ion Ratio Lower Upper

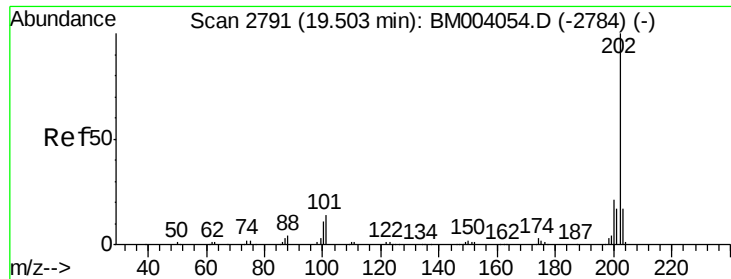
202 100

101 11.6 8.8 13.2

100 8.4 6.6 9.8



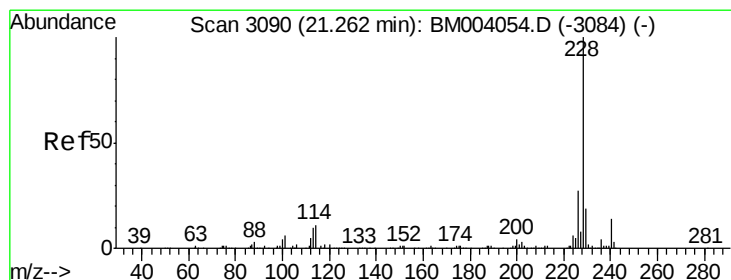
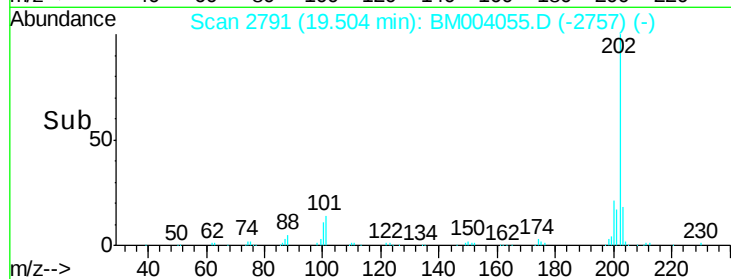
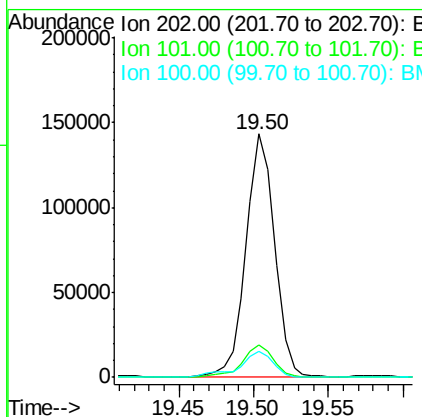
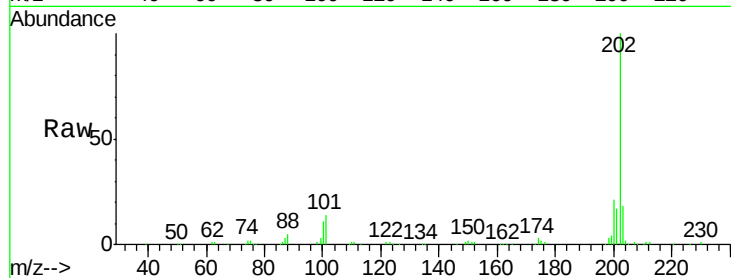
Time-->



#80
 Pyrene
 Concen: 14.66 ng/ul
 RT: 19.50 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: BM004055.D
 Acq: 15 Jan 2016 19:37

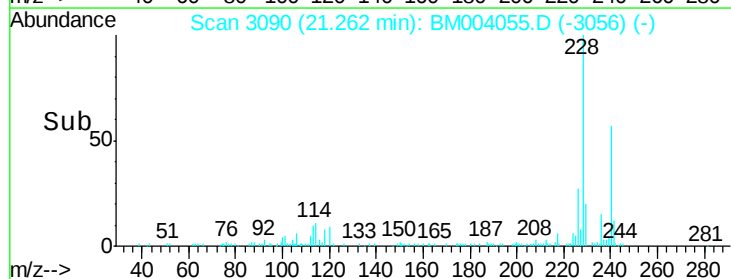
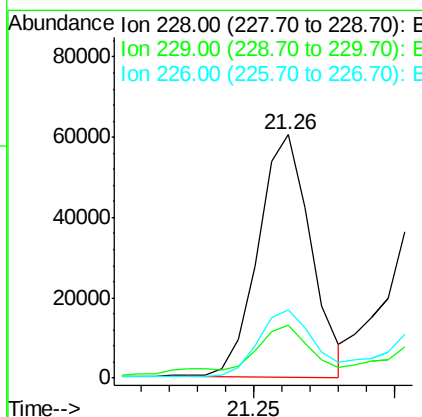
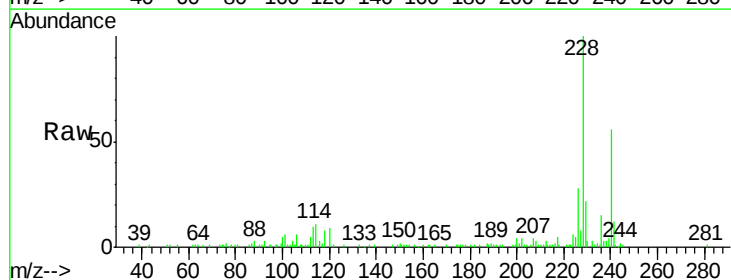
Instrument :
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 BC9C9

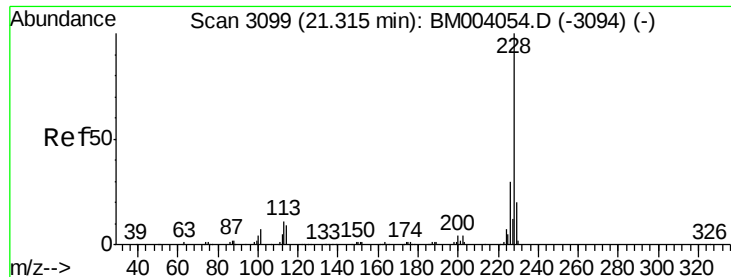
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	10.2	15.2
100	10.9	8.5	12.7



#83
 Benzo(a)anthracene
 Concen: 6.84 ng/ul
 RT: 21.26 min Scan# 3090
 Delta R.T. 0.00 min
 Lab File: BM004055.D
 Acq: 15 Jan 2016 19:37

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.5	15.7	23.5
226	28.1	21.8	32.6





#85

Chrysene

Concen: 7.92 ng/ul

RT: 21.31 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BM004055.D

Acq: 15 Jan 2016 19:37

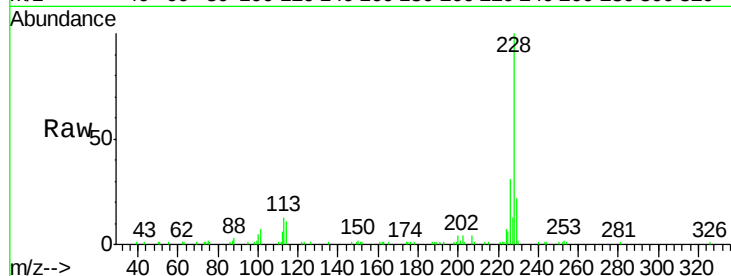
Instrument :

BNA_M

ClientSampleId :

BC9C9

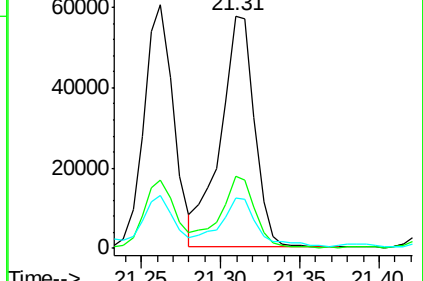
Tgt Ion:	228	Resp:	86043
Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.0	36.0
229	21.6	15.6	23.4



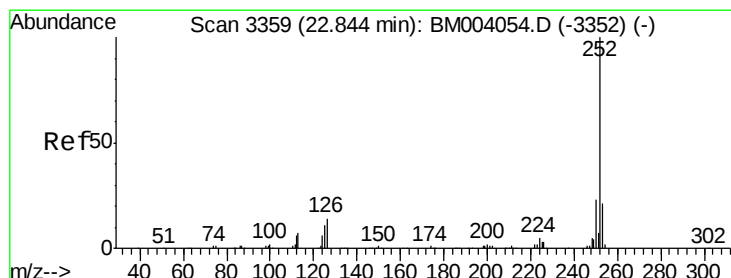
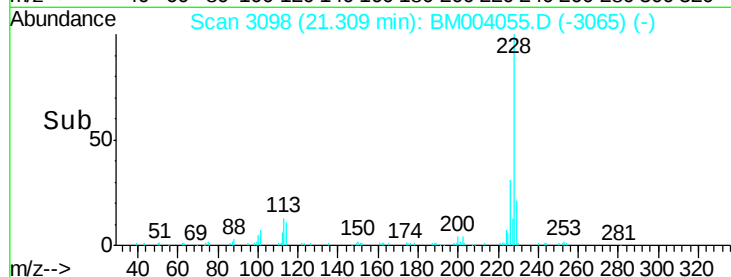
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#88

Benzo(b)fluoranthene

Concen: 7.66 ng/ul

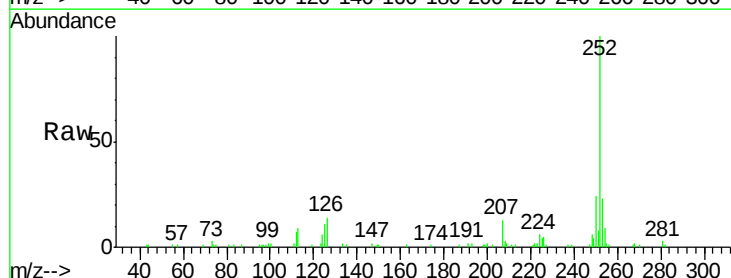
RT: 22.84 min Scan# 3359

Delta R.T. 0.00 min

Lab File: BM004055.D

Acq: 15 Jan 2016 19:37

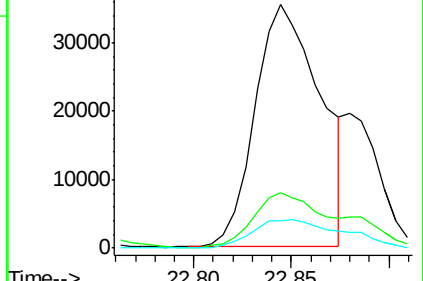
Tgt Ion:	252	Resp:	81748
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	11.3	8.5	12.7



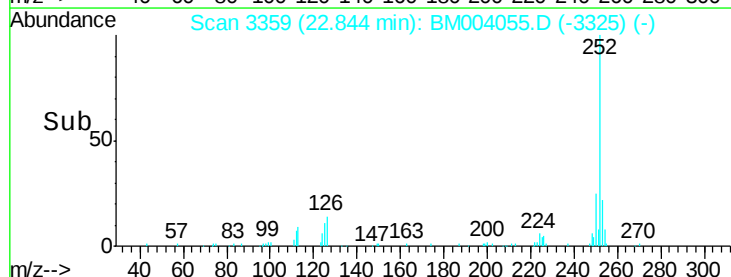
Abundance Ion 252.00 (251.70 to 252.70): E

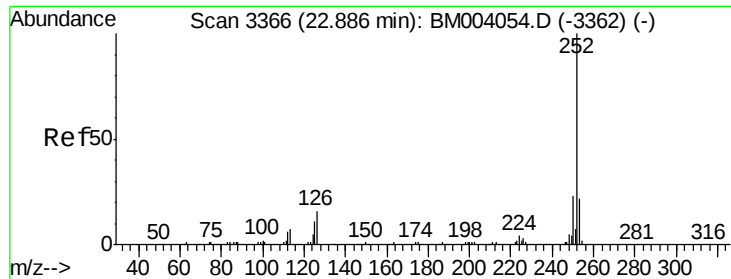
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#89

Benzo(k)fluoranthene

Concen: 4.18 ng/u1

RT: 22.84 min Scan# 3359

Delta R.T. -0.04 min

Lab File: BM004055.D

Acq: 15 Jan 2016 19:37

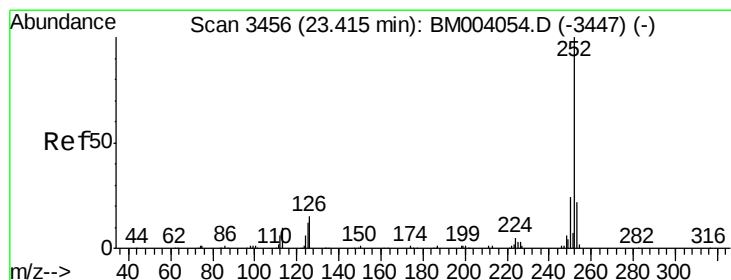
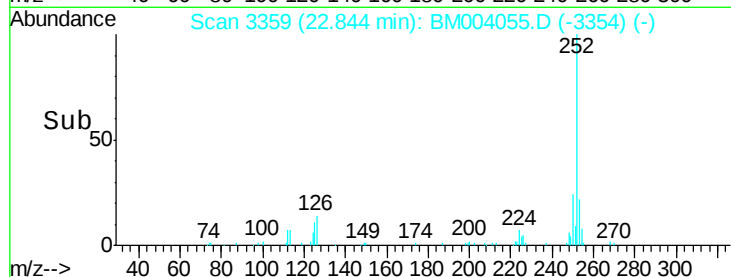
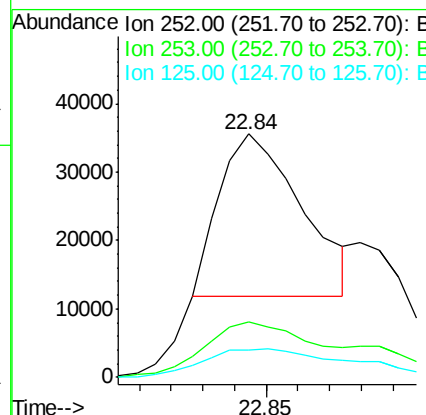
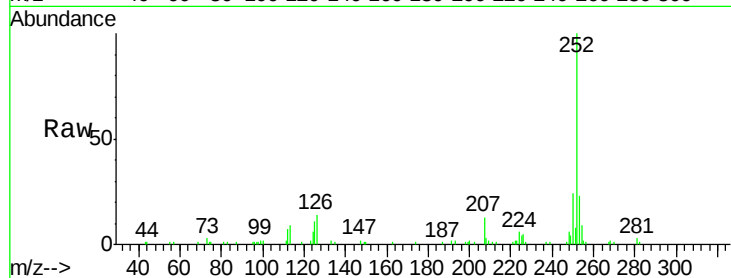
Instrument :

BNA_M

ClientSampleId :

BC9C9

Tgt Ion:	252	Resp:	42387
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.3	25.9
125	11.3	8.2	12.2



#91

Benzo(a)pyrene

Concen: 6.45 ng/u1

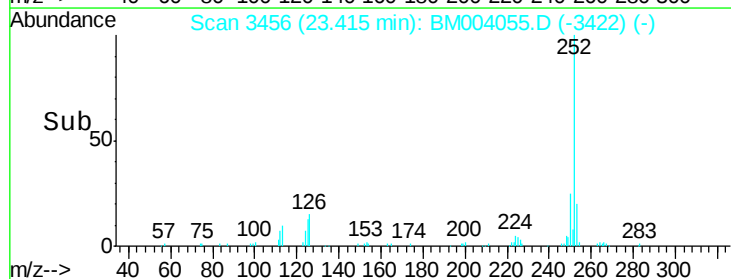
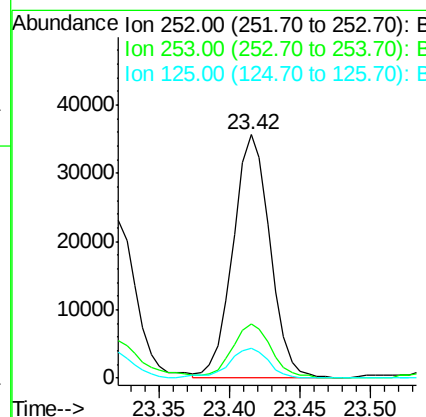
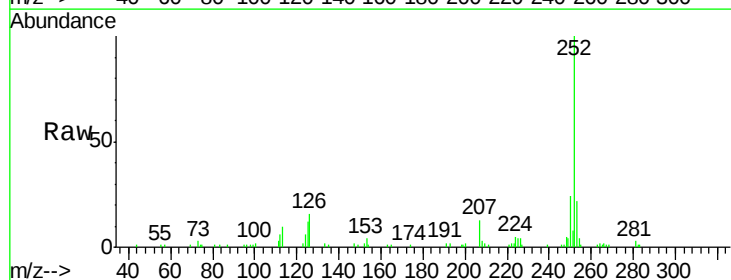
RT: 23.42 min Scan# 3456

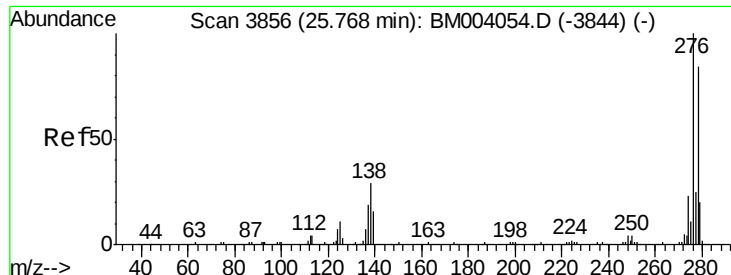
Delta R.T. 0.00 min

Lab File: BM004055.D

Acq: 15 Jan 2016 19:37

Tgt Ion:	252	Resp:	65270
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.2	25.8
125	12.5	9.0	13.6





#92

Indeno(1,2,3-cd)pyrene

Concen: 3.35 ng/ul

RT: 25.76 min Scan# 3855

Delta R.T. -0.01 min

Lab File: BM004055.D

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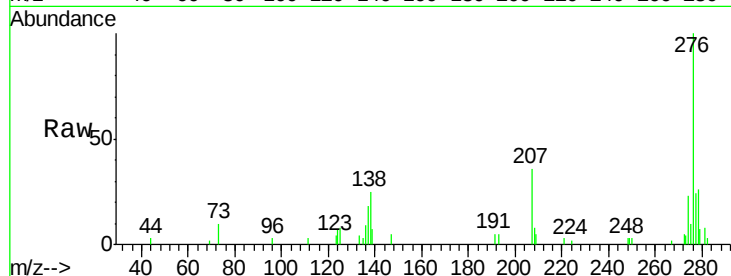
Tgt Ion:276 Resp: 37524

Ion Ratio Lower Upper

276 100

138 25.4 22.3 33.5

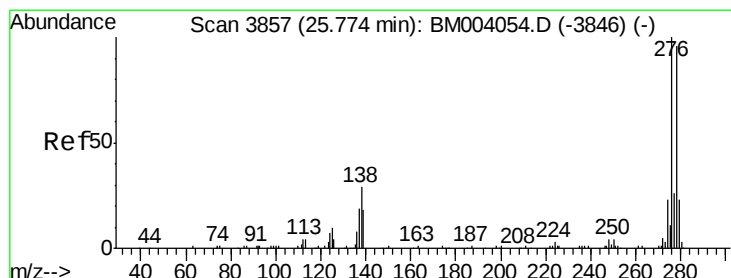
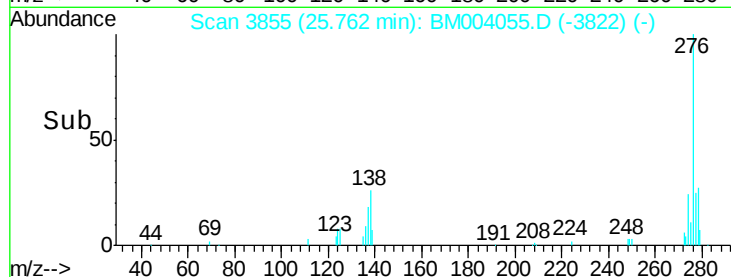
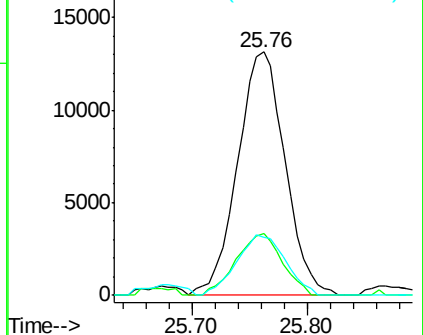
277 23.9 20.2 30.2



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



#93

Dibenzo(a,h)anthracene

Concen: 1.28 ng/ul

RT: 25.77 min Scan# 3856

Delta R.T. -0.01 min

Lab File: BM004055.D

Acq: 15 Jan 2016 19:37

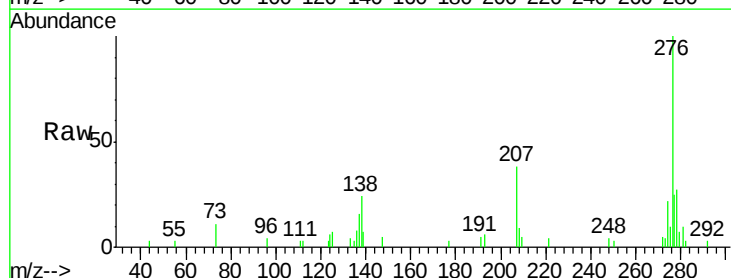
Tgt Ion:278 Resp: 12014

Ion Ratio Lower Upper

278 100

139 23.8 13.9 20.9#

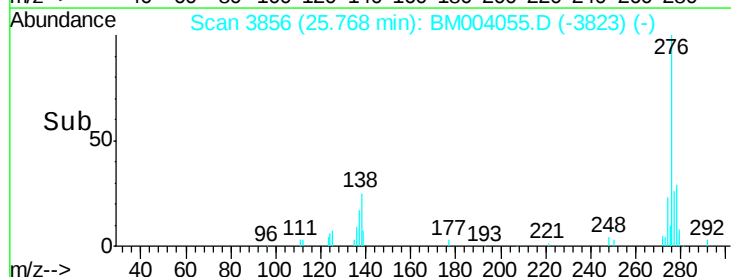
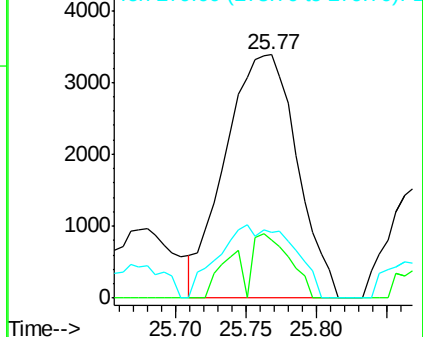
279 26.9 19.0 28.4

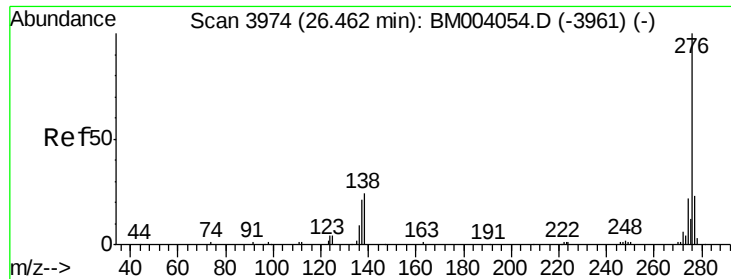


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(g,h,i)perylene

Concen: 3.27 ng/ul

RT: 26.46 min Scan# 3973

Delta R.T. -0.01 min

Lab File: BM004055.D

Acq: 15 Jan 2016 19:37

Instrument :

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ClientSampleId :

BC9C9

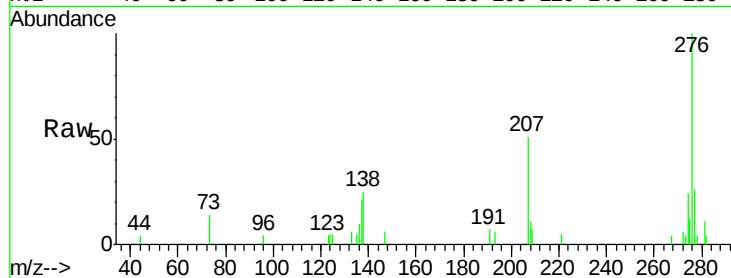
Tgt Ion:276 Resp: 30758

Ion Ratio Lower Upper

276 100

138 24.8 18.9 28.3

277 25.6 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

