

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
 Data File : BM004064.D
 Acq On : 16 Jan 2016 01:01
 Operator : SJ/UM
 Sample : H1100-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC985

Quant Time: Jan 16 03:09:14 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	42582	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	198886	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	113459	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	240173	20.00	ng/ul	0.00
78) Chrysene-d12	21.28	240	186559	20.00	ng/ul	0.00
86) Perylene-d12	23.52	264	178598	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	2698	2.83	ng/uL	0.00
5) Phenol-d5	6.85	99	68378	19.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	39270	19.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	57969	19.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	52737	18.41	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	28672	19.14	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	31217	19.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	56246	19.28	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	22582	5.86	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	184732	20.74	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	228502	21.06	ng/ul	0.00
52) 4-Nitrophenol-d4	14.55	143	20119	12.58	ng/ul	0.00
58) Fluorene-d10	15.32	176	161904	21.43	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.46	200	10809	7.98	ng/ul	0.00
71) Anthracene-d10	17.17	188	239396	21.55	ng/ul	0.00
79) Pyrene-d10	19.48	212	230269	23.83	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.38	264	193440	21.69	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	6.87	94	5316	1.43 ng/ul	95
14) Acetophenone	8.49	105	21013	4.71 ng/ul	98
28) Naphthalene	10.50	128	24917	2.40 ng/ul	100
34) 2-Methylnaphthalene	12.12	142	11501	1.57 ng/ul	98
35) 1-Methylnaphthalene	12.35	142	9881	1.42 ng/ul#	97
45) Dimethylphthalate	13.78	163	72786	8.02 ng/ul	99
48) Acenaphthylene	14.04	152	49173	4.14 ng/ul	98
50) Acenaphthene	14.39	153	13560	1.72 ng/ul	99
59) Fluorene	15.37	166	20543	2.35 ng/ul#	97
70) Phenanthrene	17.12	178	456975	33.84 ng/ul	100
72) Anthracene	17.20	178	106505	7.69 ng/ul	99
75) Carbazole	17.48	167	16066	1.32 ng/ul#	89
77) Fluoranthene	19.14	202	823353	58.67 ng/ul	98
80) Pyrene	19.51	202	1147732	90.63 ng/ul	98
83) Benzo(a)anthracene	21.26	228	416929	37.53 ng/ul	95
85) Chrysene	21.32	228	508841	48.20 ng/ul	97
88) Benzo(b)fluoranthene	22.86	252	468473	43.15 ng/ul	97
89) Benzo(k)fluoranthene	22.86	252	260504	25.21 ng/ul#	96
91) Benzo(a)pyrene	23.43	252	416779	40.48 ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.78	276	255021	22.39 ng/ul	96
93) Dibenzo(a,h)anthracene	25.77	278	74986	7.84 ng/ul#	85
94) Benzo(g,h,i)perylene	26.47	276	221472	23.16 ng/ul	99

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004064.D
Acq On : 16 Jan 2016 01:01
Operator : SJ/UM
Sample : H1100-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC985

Quant Time: Jan 16 03:09:14 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

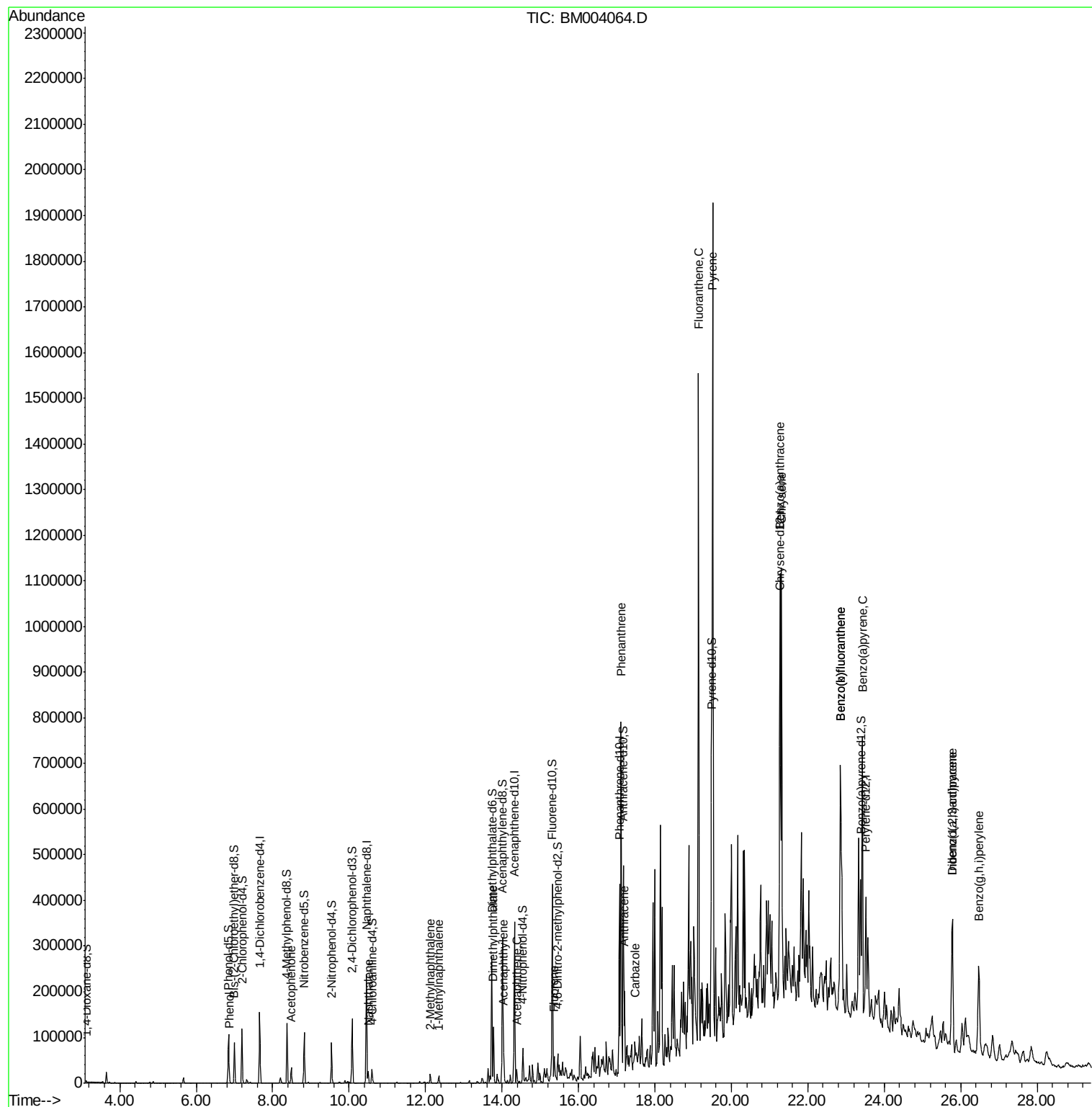
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

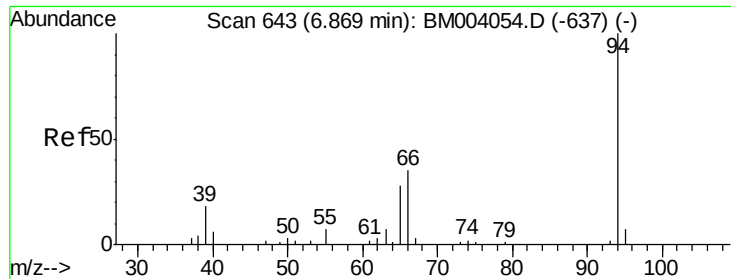
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004064.D
Acq On : 16 Jan 2016 01:01
Operator : SJ/UM
Sample : H1100-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC985

Quant Time: Jan 16 03:09:14 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





#6

Phenol

Concen: 1.43 ng/ul

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: BM004064.D

Acq: 16 Jan 2016 01:01

Instrument :

BNA_M

ClientSampleId :

BC985

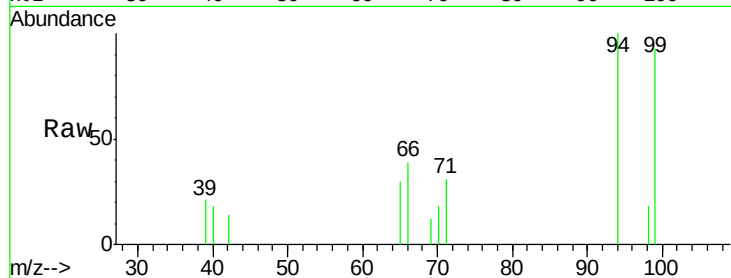
Tgt Ion: 94 Resp: 5316

Ion Ratio Lower Upper

94 100

65 29.6 21.0 31.6

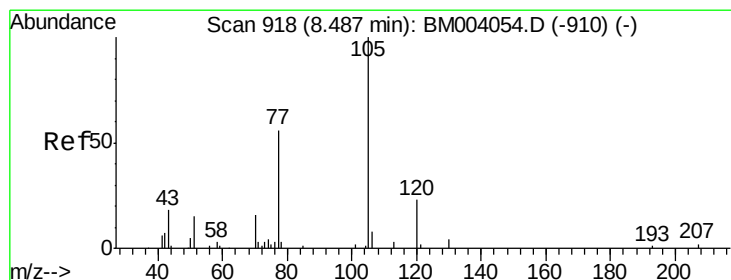
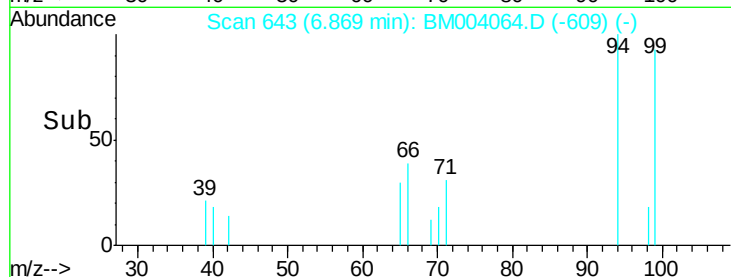
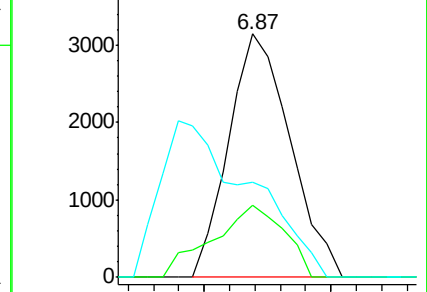
66 39.2 29.3 43.9



Abundance Ion 94.00 (93.70 to 94.70): BM004054.D (-637) (-)

Ion 65.00 (64.70 to 65.70): BM004054.D (-637) (-)

Ion 66.00 (65.70 to 66.70): BM004054.D (-637) (-)



#14

Acetophenone

Concen: 4.71 ng/ul

RT: 8.49 min Scan# 918

Delta R.T. 0.00 min

Lab File: BM004064.D

Acq: 16 Jan 2016 01:01

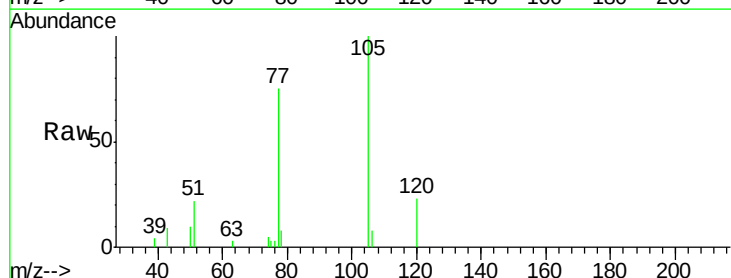
Tgt Ion: 105 Resp: 21013

Ion Ratio Lower Upper

105 100

77 75.4 59.0 88.4

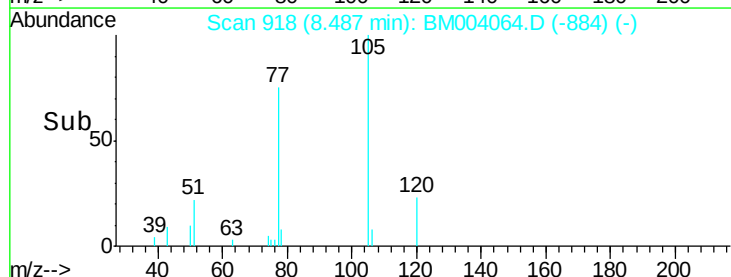
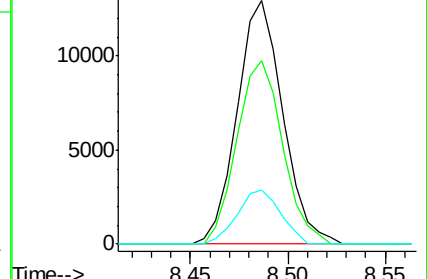
51 22.3 16.4 24.6

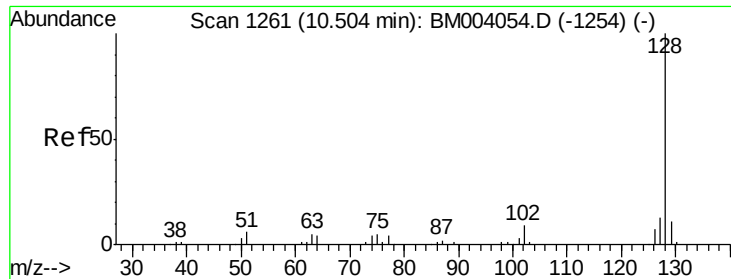


Abundance Ion 105.00 (104.70 to 105.70): BM004054.D (-910) (-)

Ion 77.00 (76.70 to 77.70): BM004054.D (-910) (-)

Ion 51.00 (50.70 to 51.70): BM004054.D (-910) (-)

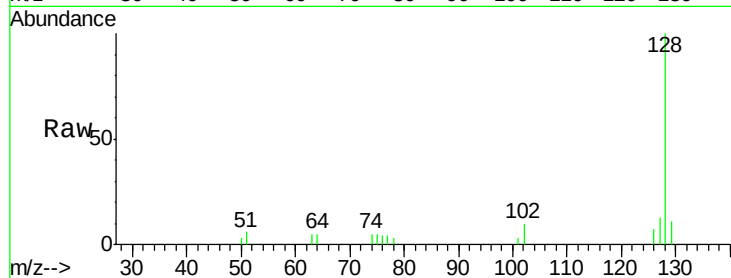




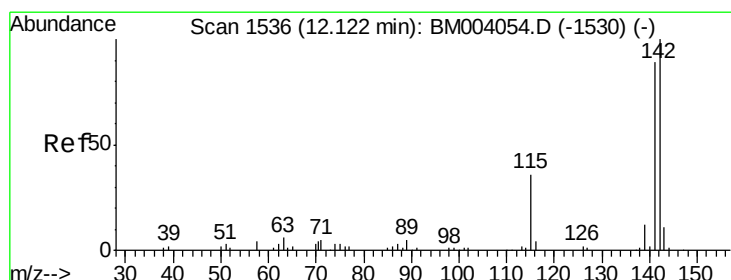
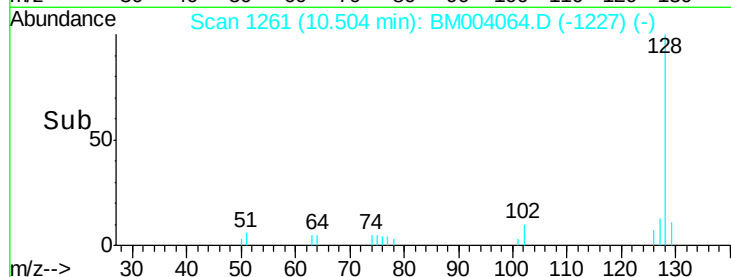
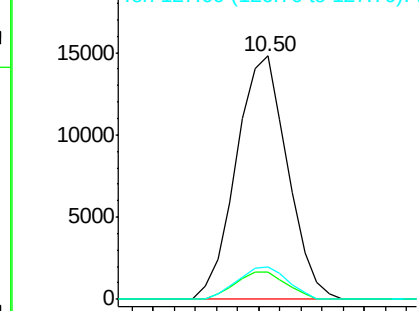
#28
Naphthalene
Concen: 2.40 ng/ul
RT: 10.50 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BM004064.D
Acq: 16 Jan 2016 01:01

Instrument :
BNA_M
ClientSampleId :
BC985

Tgt Ion:128 Resp: 24917
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.1 10.5 15.7

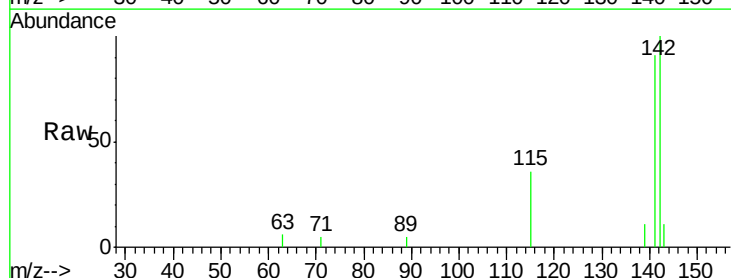


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

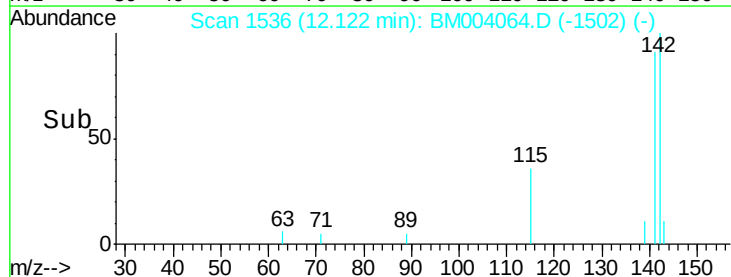
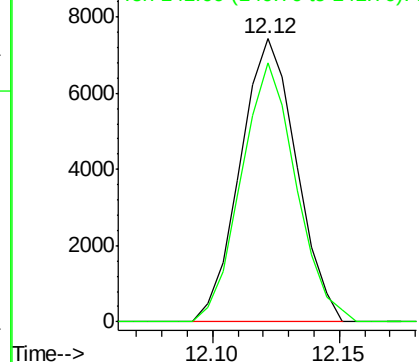


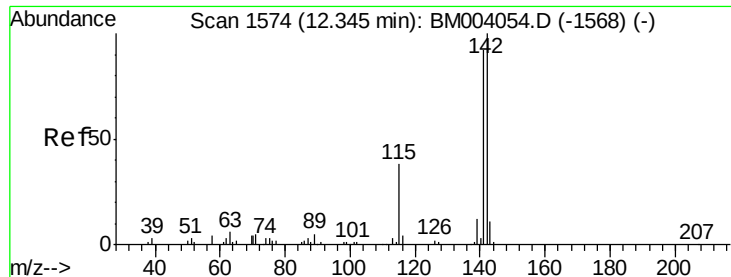
#34
2-Methylnaphthalene
Concen: 1.57 ng/ul
RT: 12.12 min Scan# 1536
Delta R.T. 0.00 min
Lab File: BM004064.D
Acq: 16 Jan 2016 01:01

Tgt Ion:142 Resp: 11501
Ion Ratio Lower Upper
142 100
141 91.3 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

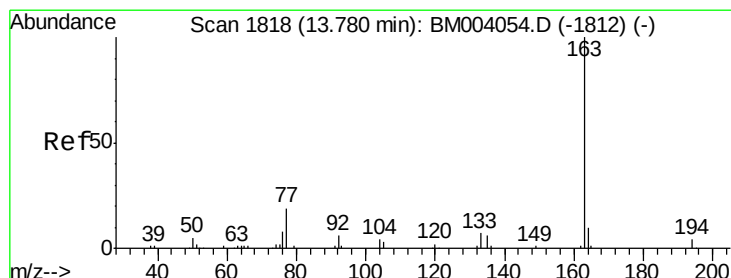
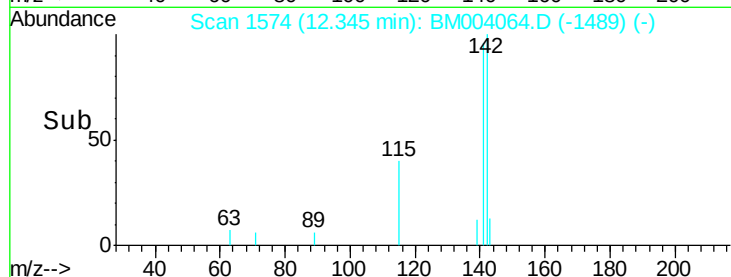
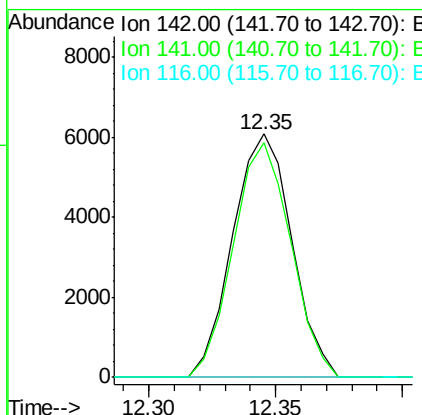
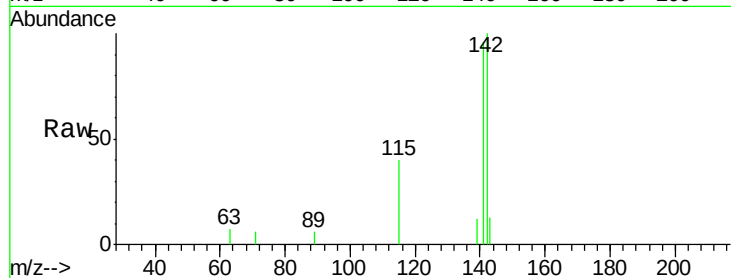




#35
 1-Methylnaphthalene
 Concen: 1.42 ng/ul
 RT: 12.35 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: BM004064.D
 Acq: 16 Jan 2016 01:01

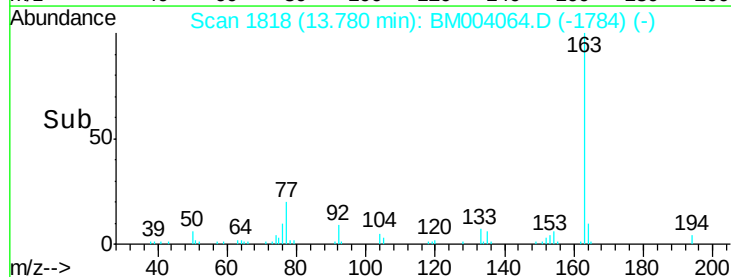
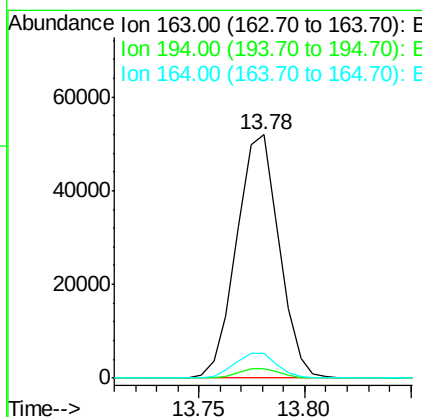
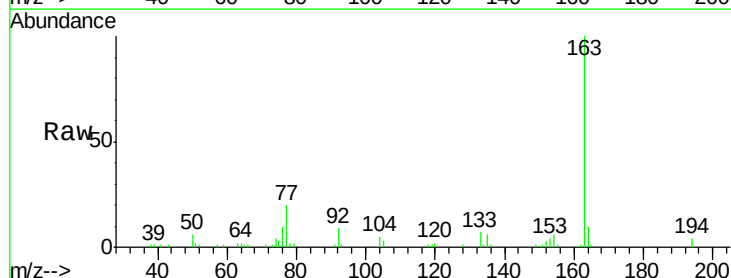
Instrument :
 BNA_M
 ClientSampleId :
 BC985

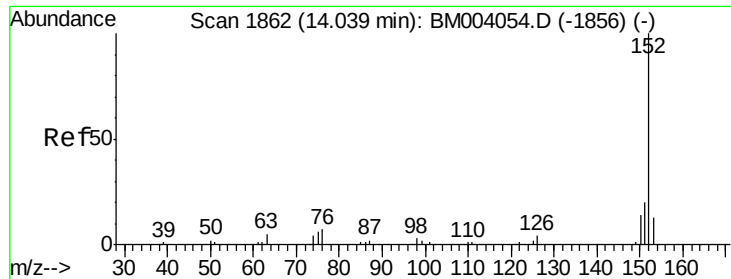
Tgt Ion:142 Resp: 9881
 Ion Ratio Lower Upper
 142 100
 141 96.2 74.9 112.3
 116 0.0 3.1 4.7#



#45
 Dimethylphthalate
 Concen: 8.02 ng/ul
 RT: 13.78 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: BM004064.D
 Acq: 16 Jan 2016 01:01

Tgt Ion:163 Resp: 72786
 Ion Ratio Lower Upper
 163 100
 194 4.0 3.2 4.8
 164 10.1 7.8 11.8





#48

Acenaphthylene

Concen: 4.14 ng/ul

RT: 14.04 min Scan# 1862

Delta R.T. 0.00 min

Lab File: BM004064.D

Acq: 16 Jan 2016 01:01

Instrument :

BNA_M

ClientSampled :

BC985

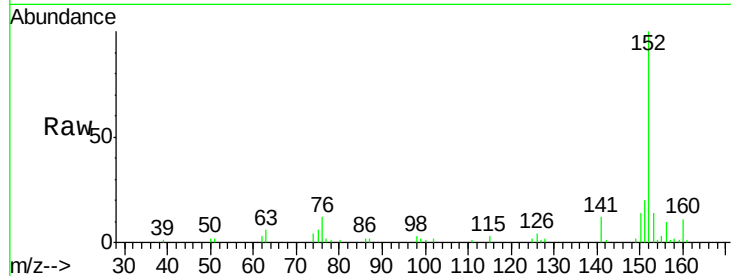
Tgt Ion:152 Resp: 49173

Ion Ratio Lower Upper

152 100

151 20.0 15.7 23.5

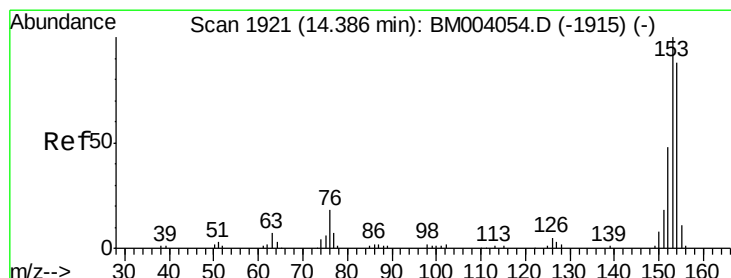
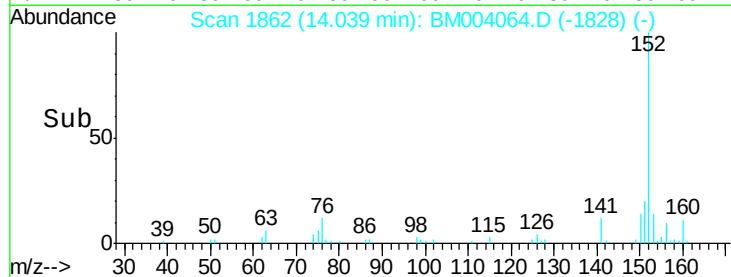
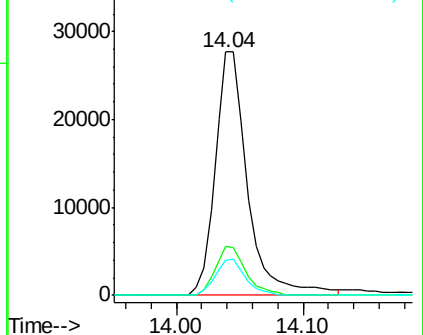
153 14.3 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 1.72 ng/ul

RT: 14.39 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BM004064.D

Acq: 16 Jan 2016 01:01

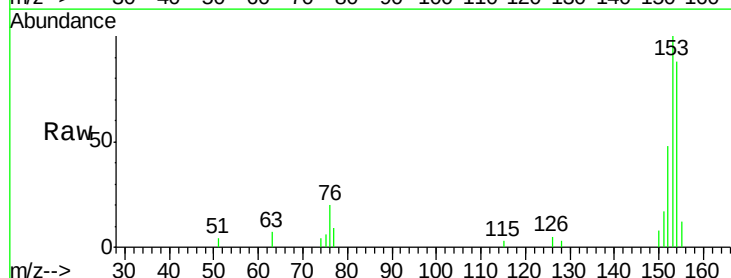
Tgt Ion:153 Resp: 13560

Ion Ratio Lower Upper

153 100

152 47.8 38.3 57.5

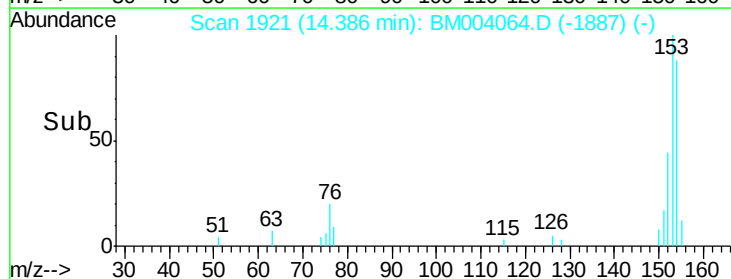
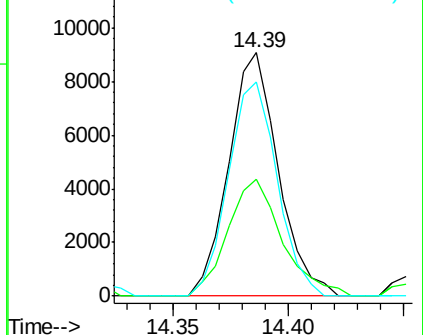
154 87.8 71.8 107.8

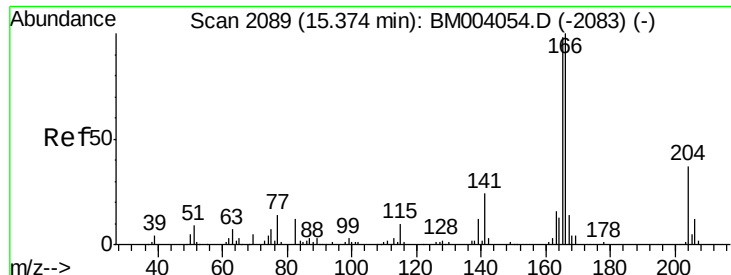


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#59

Fluorene

Concen: 2.35 ng/ul

RT: 15.37 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BM004064.D

Acq: 16 Jan 2016 01:01

Instrument :

BNA_M

ClientSampleId :

BC985

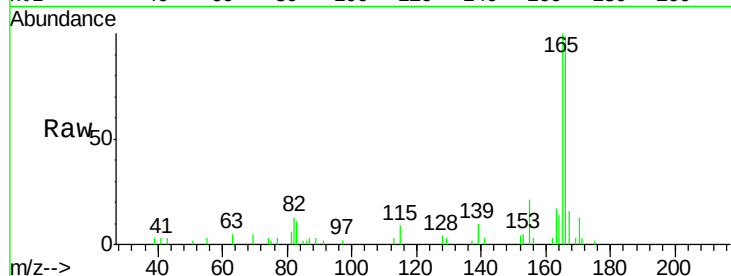
Tgt Ion:166 Resp: 20543

Ion Ratio Lower Upper

166 100

165 100.8 78.5 117.7

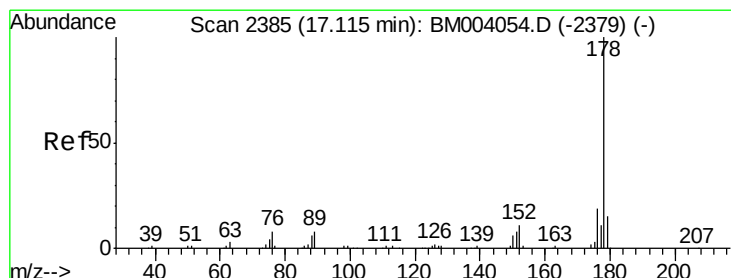
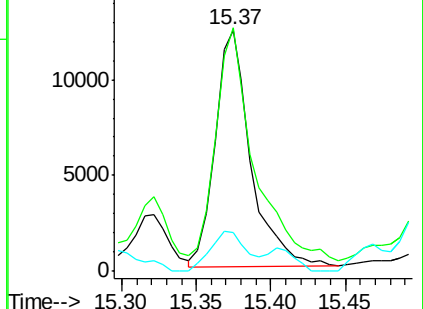
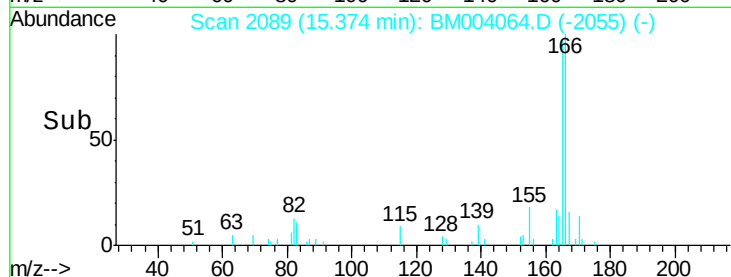
167 16.2 10.7 16.1#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 33.84 ng/ul

RT: 17.12 min Scan# 2385

Delta R.T. 0.00 min

Lab File: BM004064.D

Acq: 16 Jan 2016 01:01

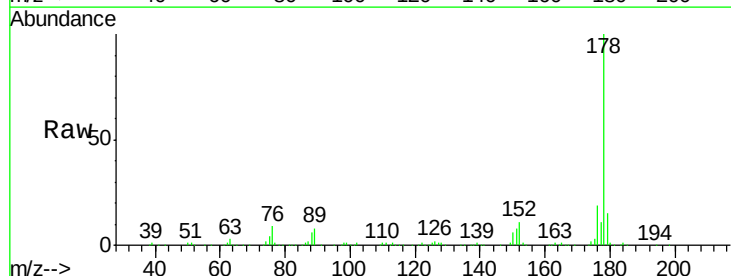
Tgt Ion:178 Resp: 456975

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

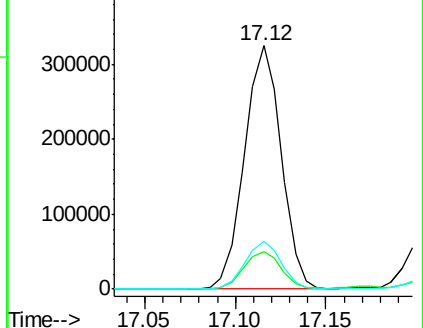
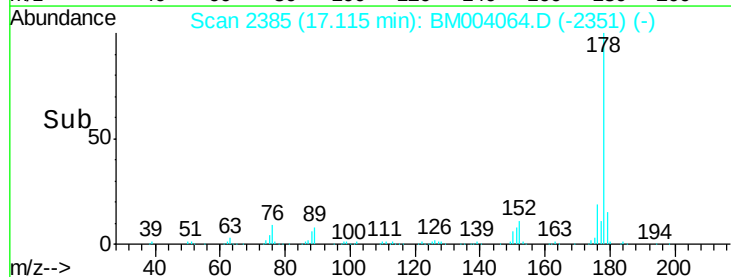
176 19.4 15.6 23.4

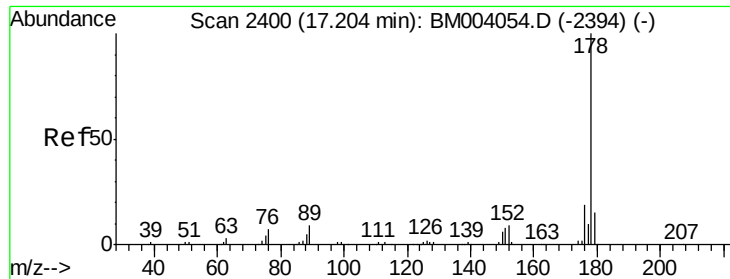


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 7.69 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM004064.D

Acq: 16 Jan 2016 01:01

Instrument :

BNA_M

ClientSampleId :

BC985

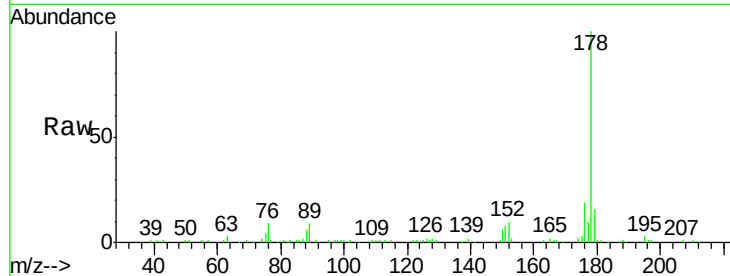
Tgt Ion:178 Resp: 106505

Ion Ratio Lower Upper

178 100

179 15.7 12.1 18.1

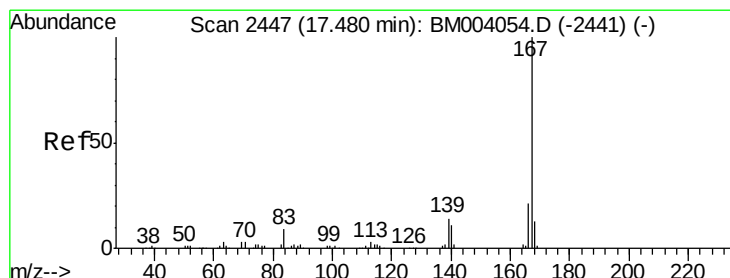
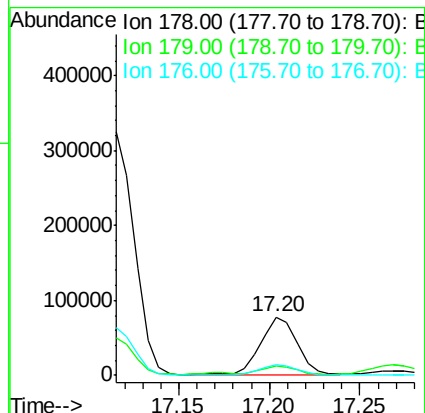
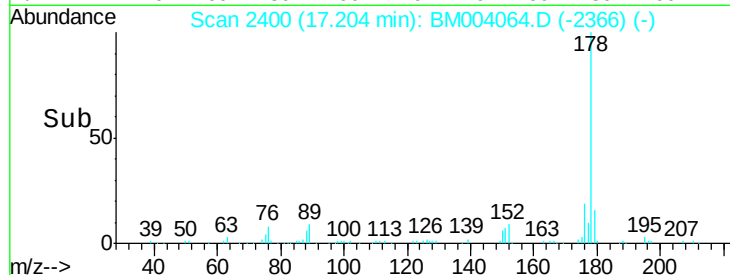
176 18.8 14.8 22.2



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



#75

Carbazole

Concen: 1.32 ng/ul

RT: 17.48 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BM004064.D

Acq: 16 Jan 2016 01:01

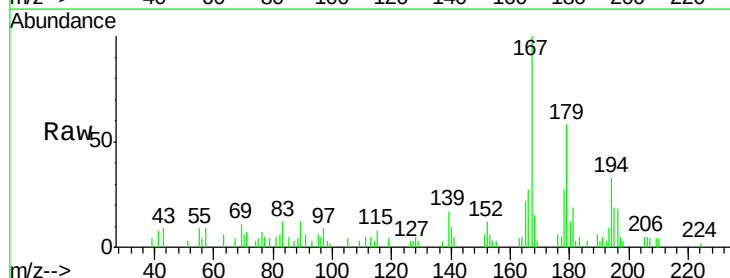
Tgt Ion:167 Resp: 16066

Ion Ratio Lower Upper

167 100

166 27.1 17.0 25.6#

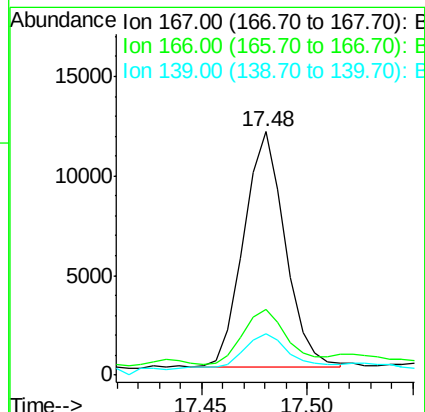
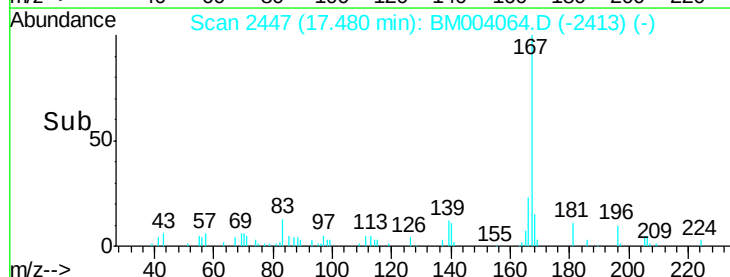
139 17.2 11.0 16.4#

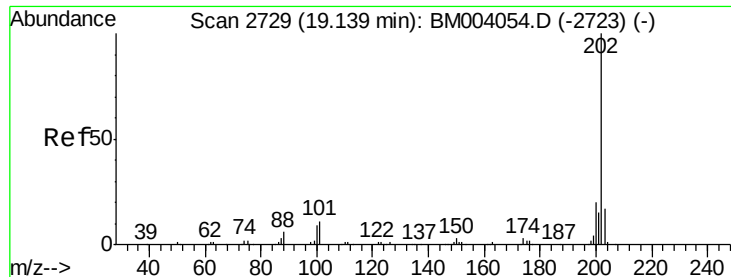


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

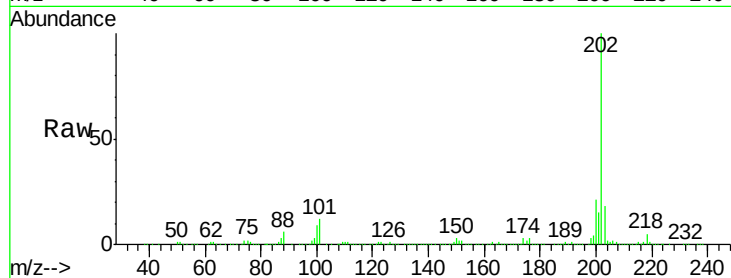




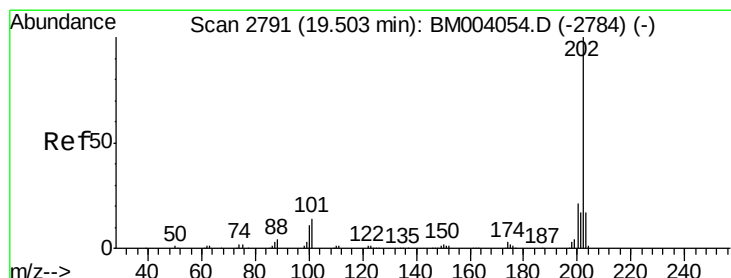
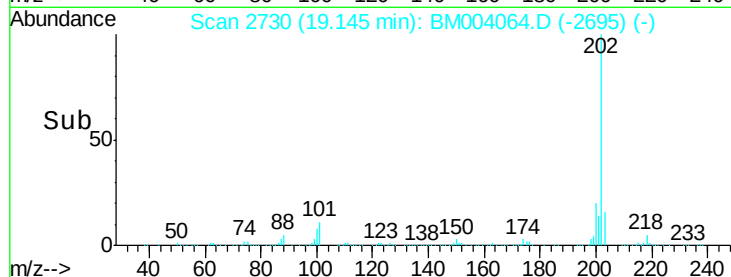
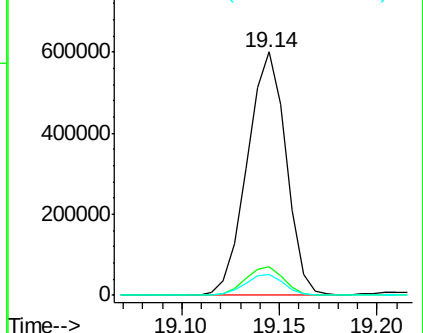
#77
 Fluoranthene
 Concen: 58.67 ng/ul
 RT: 19.14 min Scan# 2730
 Delta R.T. 0.01 min
 Lab File: BM004064.D
 Acq: 16 Jan 2016 01:01

Instrument :
 BNA_M
 ClientSampleId :
 BC985

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	8.8	13.2
100	8.7	6.6	9.8

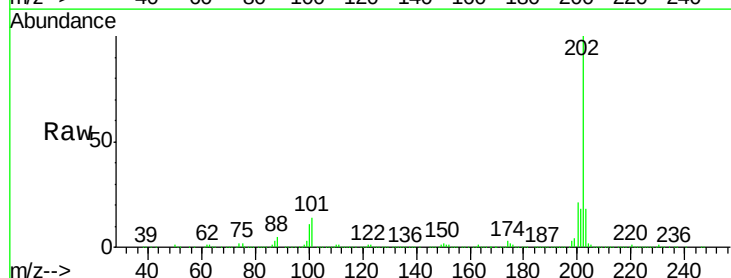


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

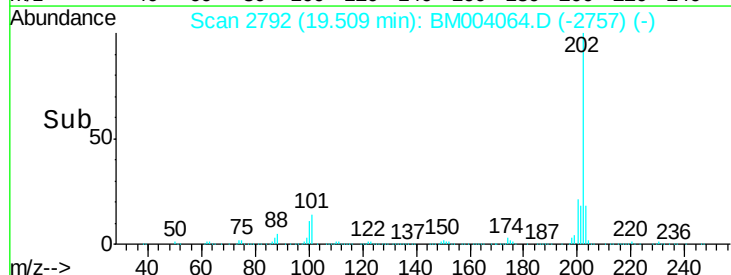
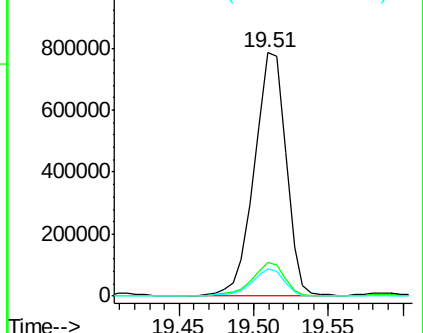


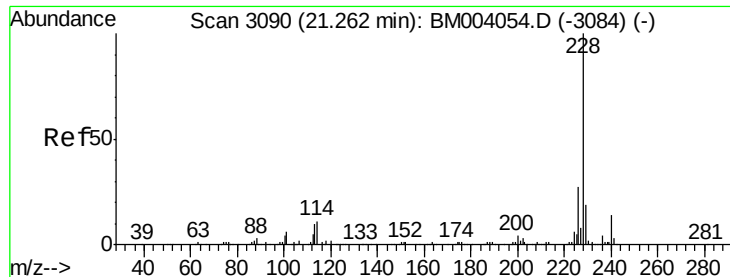
#80
 Pyrene
 Concen: 90.63 ng/ul
 RT: 19.51 min Scan# 2792
 Delta R.T. 0.01 min
 Lab File: BM004064.D
 Acq: 16 Jan 2016 01:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	10.2	15.2
100	11.3	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: 37.53 ng/ul

RT: 21.26 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BM004064.D

Acq: 16 Jan 2016 01:01

Instrument :

BNA_M

ClientSampleId :

BC985

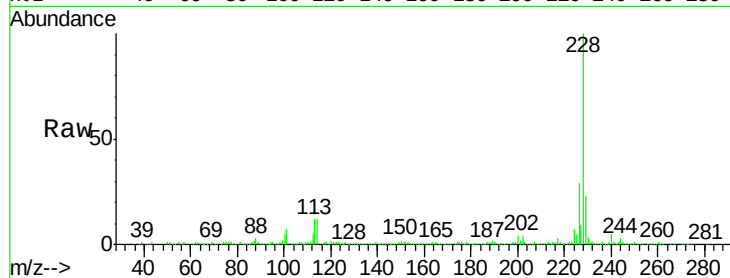
Tgt Ion:228 Resp: 416929

Ion Ratio Lower Upper

228 100

229 23.0 15.7 23.5

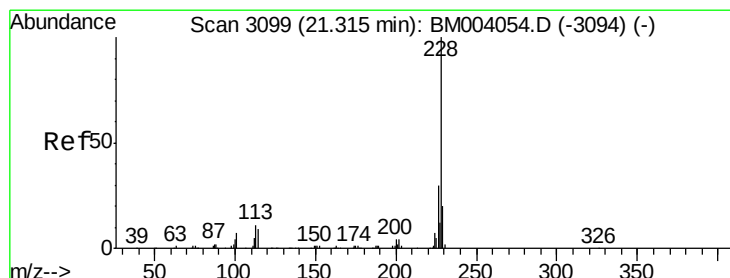
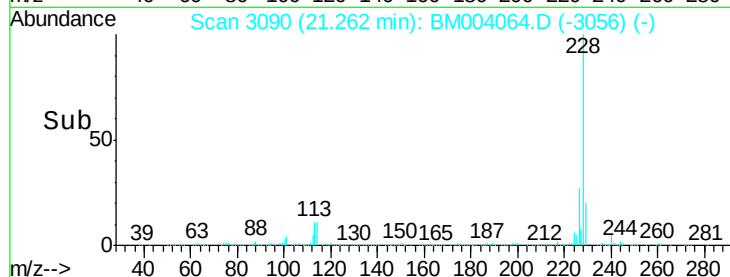
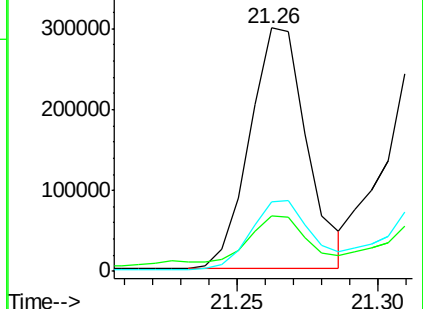
226 28.6 21.8 32.6



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: 48.20 ng/ul

RT: 21.32 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM004064.D

Acq: 16 Jan 2016 01:01

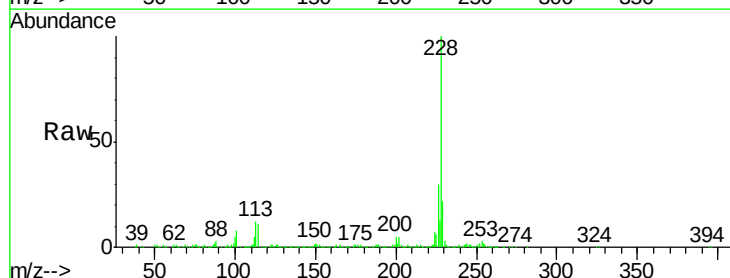
Tgt Ion:228 Resp: 508841

Ion Ratio Lower Upper

228 100

226 30.3 24.0 36.0

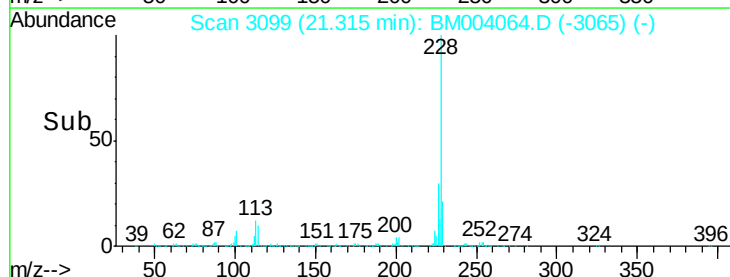
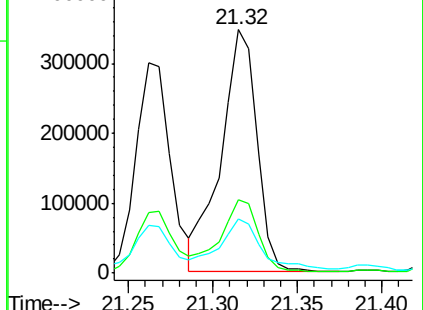
229 22.1 15.6 23.4

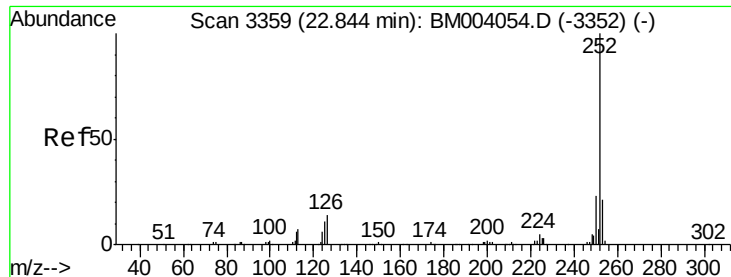


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 43.15 ng/ul

RT: 22.86 min Scan# 3361

Delta R.T. 0.01 min

Lab File: BM004064.D

Acq: 16 Jan 2016 01:01

Instrument :

BNA_M

ClientSampleId :

BC985

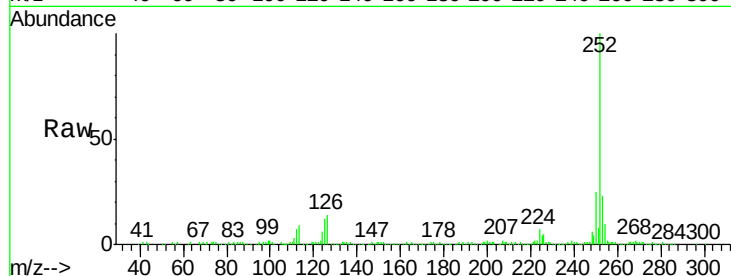
Tgt Ion:252 Resp: 468473

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

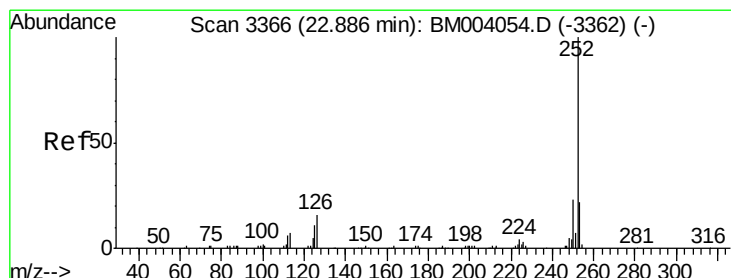
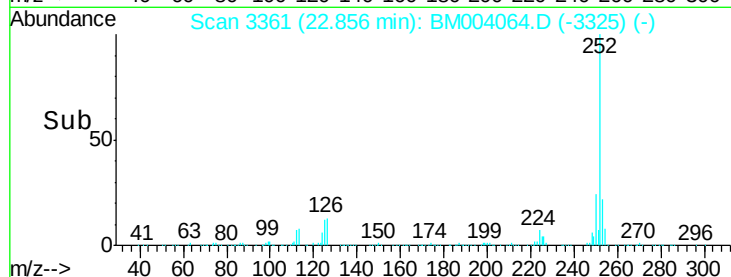
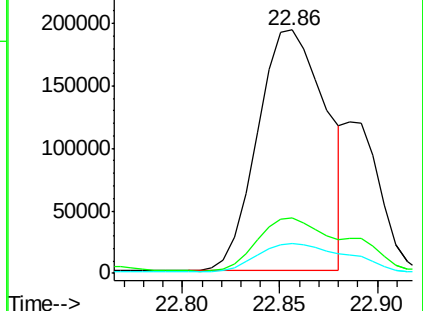
125 12.4 8.5 12.7



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: 25.21 ng/ul

RT: 22.86 min Scan# 3361

Delta R.T. -0.03 min

Lab File: BM004064.D

Acq: 16 Jan 2016 01:01

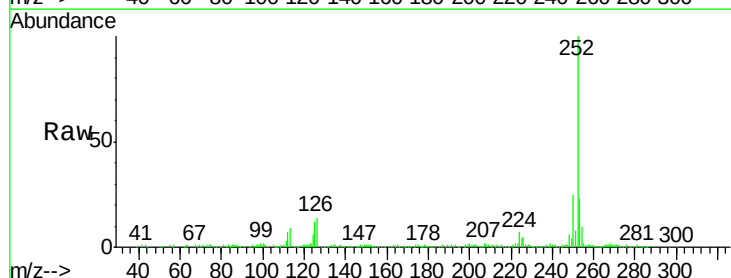
Tgt Ion:252 Resp: 260504

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

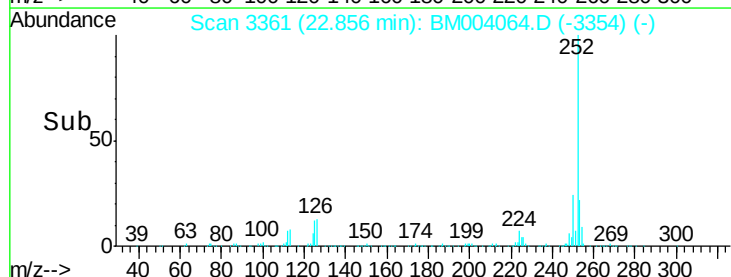
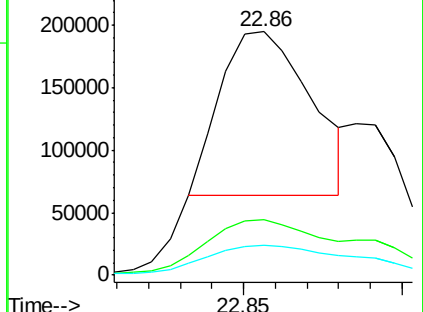
125 12.4 8.2 12.2#

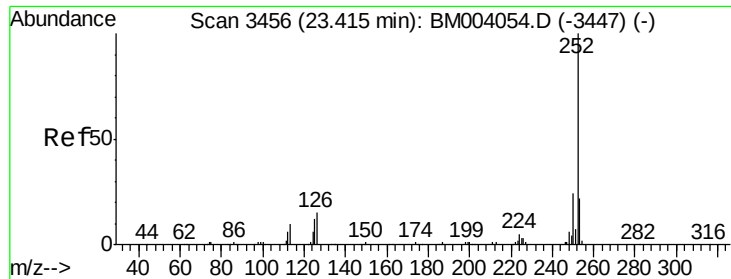


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 40.48 ng/ul

RT: 23.43 min Scan# 3458

Delta R.T. 0.01 min

Lab File: BM004064.D

Acq: 16 Jan 2016 01:01

Instrument :

BNA_M

ClientSampleId :

BC985

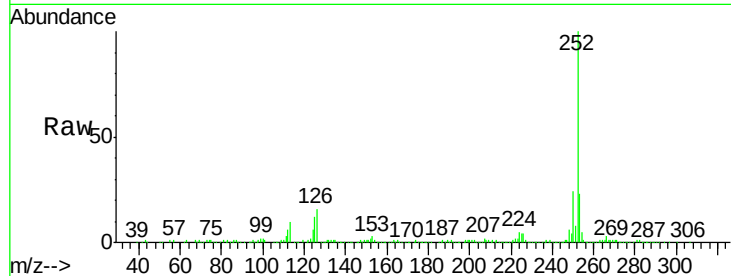
Tgt Ion:252 Resp: 416779

Ion Ratio Lower Upper

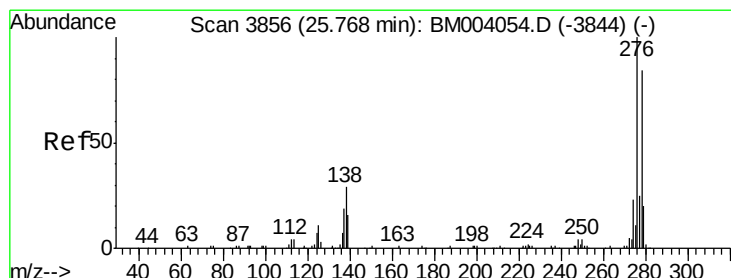
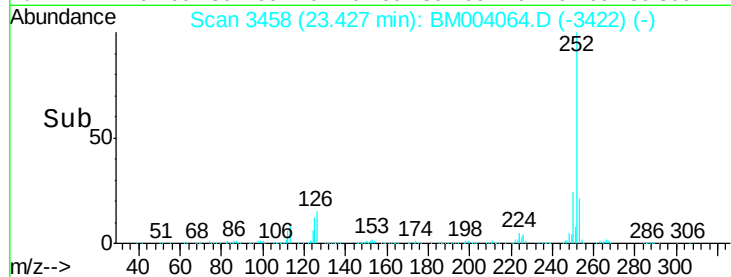
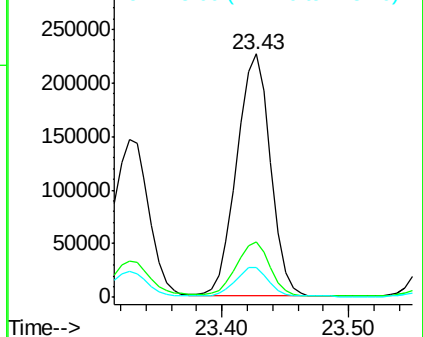
252 100

253 22.9 17.2 25.8

125 12.1 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: 22.39 ng/ul

RT: 25.78 min Scan# 3858

Delta R.T. 0.01 min

Lab File: BM004064.D

Acq: 16 Jan 2016 01:01

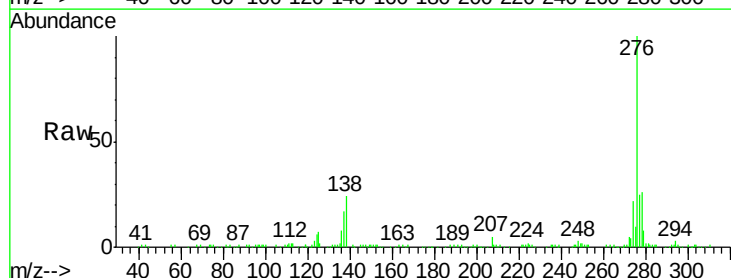
Tgt Ion:276 Resp: 255021

Ion Ratio Lower Upper

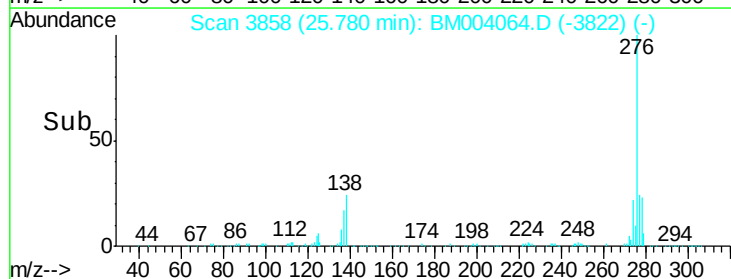
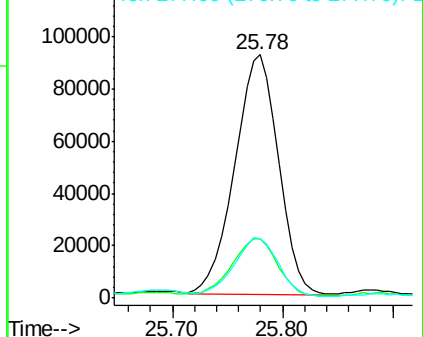
276 100

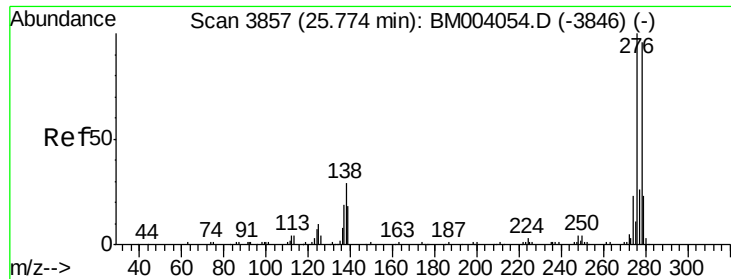
138 24.3 22.3 33.5

277 24.5 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: 7.84 ng/ul

RT: 25.77 min Scan# 3857

Delta R.T. 0.00 min

Lab File: BM004064.D

Acq: 16 Jan 2016 01:01

Instrument :

BNA_M

ClientSampleId :

BC985

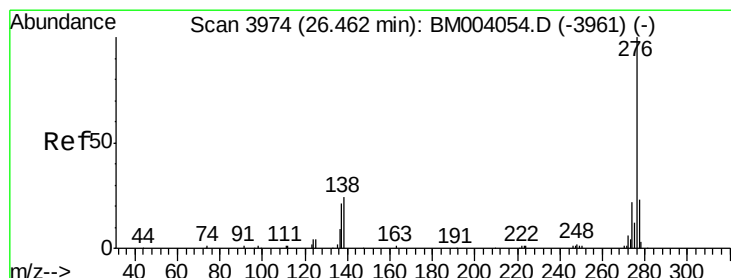
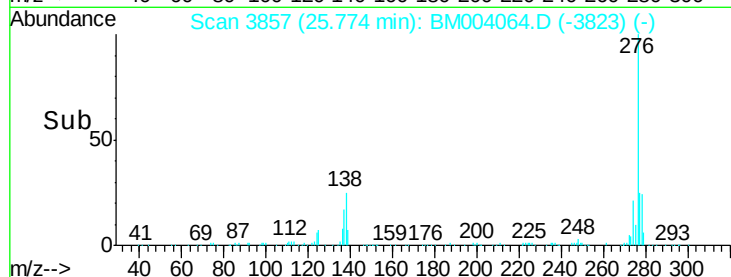
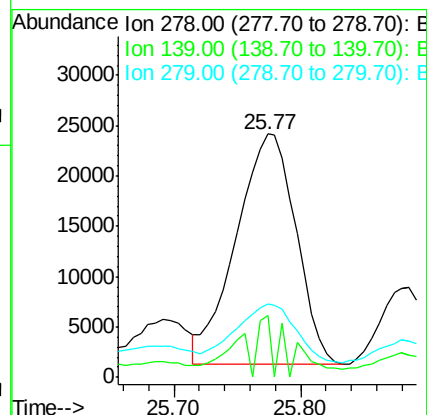
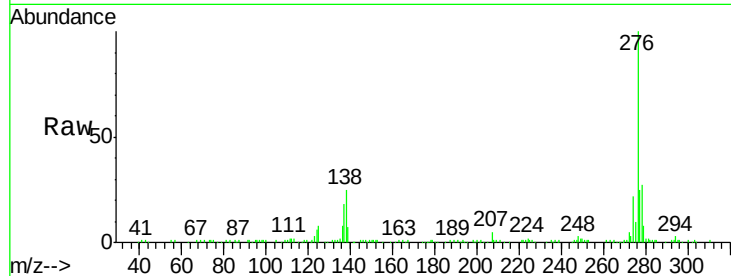
Tgt Ion:278 Resp: 74986

Ion Ratio Lower Upper

278 100

139 25.4 13.9 20.9#

279 29.9 19.0 28.4#



#94

Benzo(g,h,i)perylene

Concen: 23.16 ng/ul

RT: 26.47 min Scan# 3976

Delta R.T. 0.01 min

Lab File: BM004064.D

Acq: 16 Jan 2016 01:01

Tgt Ion:276 Resp: 221472

Ion Ratio Lower Upper

276 100

138 24.2 18.9 28.3

277 24.3 19.2 28.8

