

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
 Data File : BM004044.D
 Acq On : 15 Jan 2016 12:59
 Operator : SJ/UM
 Sample : H1100-02 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC983

Quant Time: Jan 16 00:37:13 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 16 00:22:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	32734	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	157452	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	93023	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	204974	20.00	ng/ul	0.00
78) Chrysene-d12	21.28	240	178157	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	160142	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	5647	2.08	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	3178	2.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	4748	2.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	4418	2.01	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	1994	1.68	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	2091	1.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	4469	1.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.61	131	482	0.16	ng/ul	0.02
44) Dimethylphthalate-d6	13.73	166	16621	2.28	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	21084	2.37	ng/ul	0.00
52) 4-Nitrophenol-d4	14.56	143	988	0.75	ng/ul	0.02
58) Fluorene-d10	15.32	176	16236	2.62	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.46	200	233	0.20	ng/ul	0.00
71) Anthracene-d10	17.17	188	24886	2.63	ng/ul	0.00
79) Pyrene-d10	19.47	212	27613	2.99	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	21804	2.73	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.50	128	28996	3.53	ng/ul	99
34) 2-Methylnaphthalene	12.12	142	12819	2.21	ng/ul	97
35) 1-Methylnaphthalene	12.35	142	11266	2.05	ng/ul	99
45) Dimethylphthalate	13.77	163	7933	1.07	ng/ul#	96
48) Acenaphthylene	14.04	152	59416	6.10	ng/ul	99
50) Acenaphthene	14.39	153	15248	2.37	ng/ul	98
54) Dibenzofuran	14.72	168	10111	1.12	ng/ul	96
59) Fluorene	15.37	166	27152	3.79	ng/ul	97
70) Phenanthrene	17.12	178	516957	44.85	ng/ul	100
72) Anthracene	17.20	178	132409	11.20	ng/ul	99
75) Carbazole	17.48	167	32905	3.16	ng/ul	98
77) Fluoranthene	19.14	202	785685	65.60	ng/ul	99
80) Pyrene	19.51	202	937973	77.56	ng/ul	99
83) Benzo(a)anthracene	21.26	228	377793	35.61	ng/ul	96
85) Chrysene	21.32	228	415137	41.18	ng/ul	97
88) Benzo(b)fluoranthene	22.85	252	397289	40.81	ng/ul	98
89) Benzo(k)fluoranthene	22.85	252	179342	19.36	ng/ul	97
91) Benzo(a)pyrene	23.42	252	330390	35.78	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.77	276	191798	18.78	ng/ul	97
93) Dibenzo(a,h)anthracene	25.77	278	58537	6.82	ng/ul#	87
94) Benzo(g,h,i)perylene	26.46	276	177664	20.72	ng/ul	98

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Jan 16 00:22:06 2016
Response via : Initial Calibration

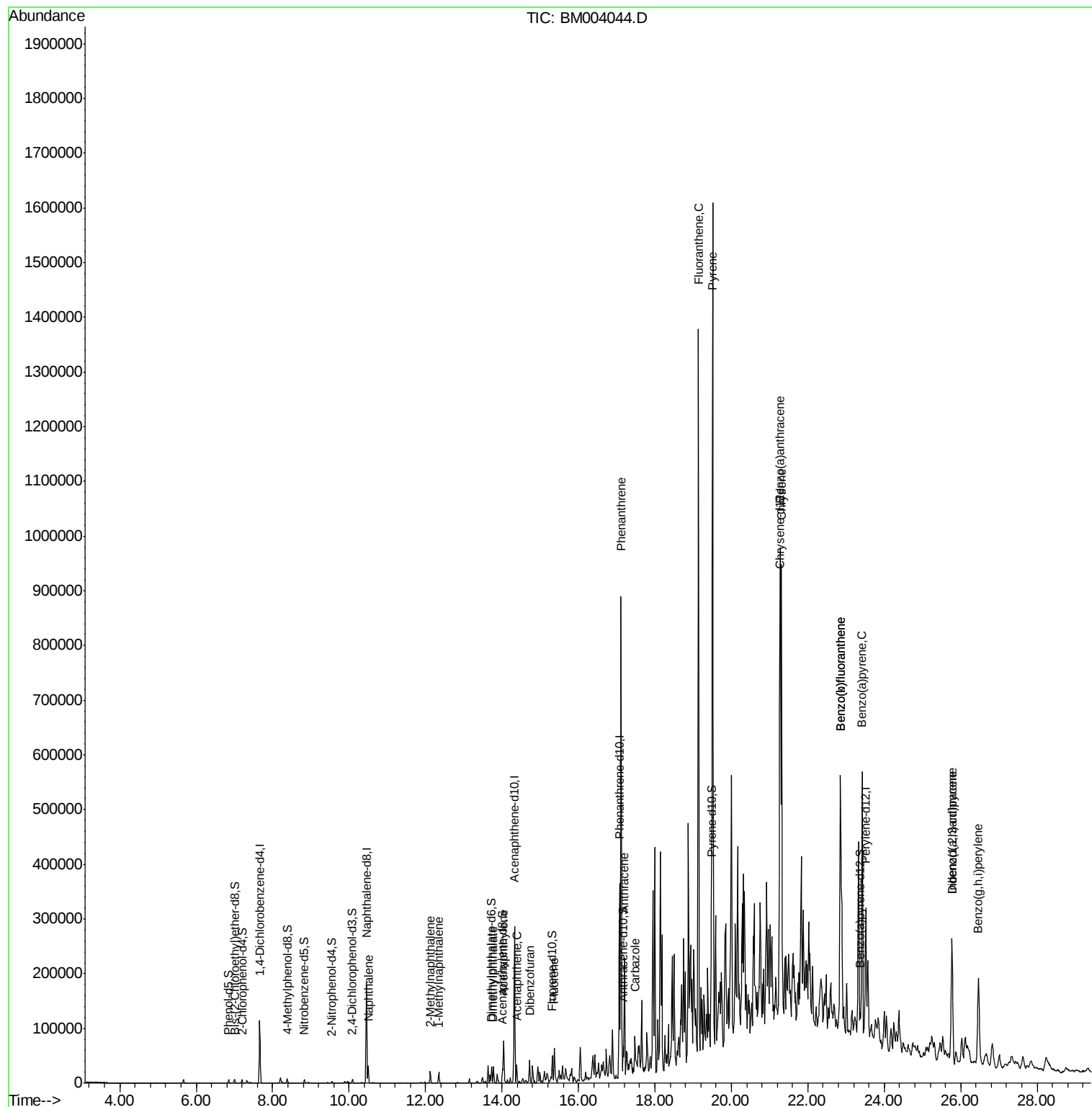
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

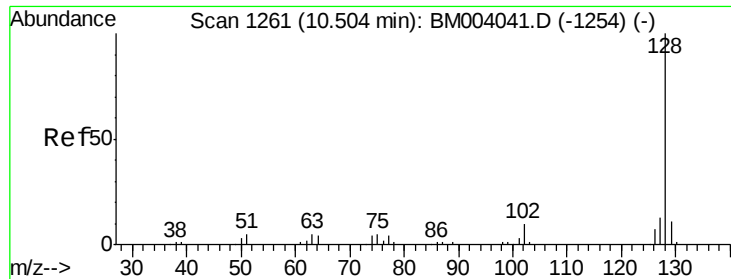
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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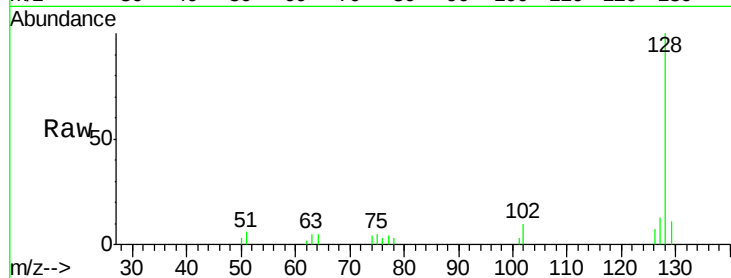




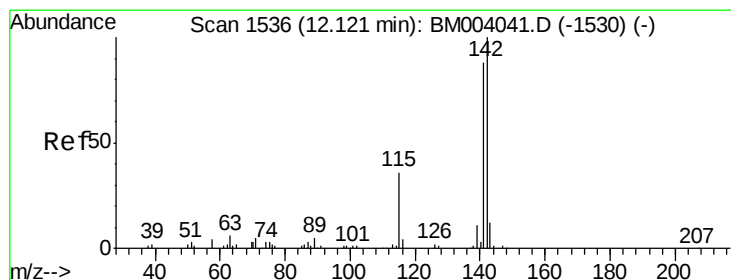
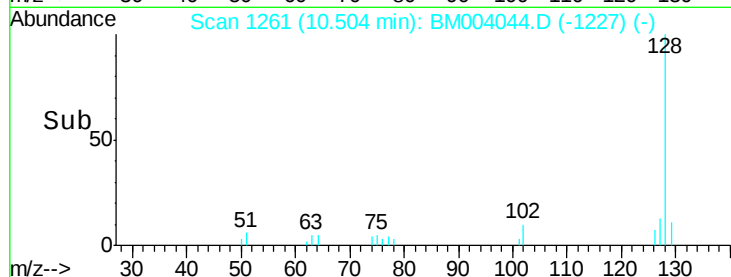
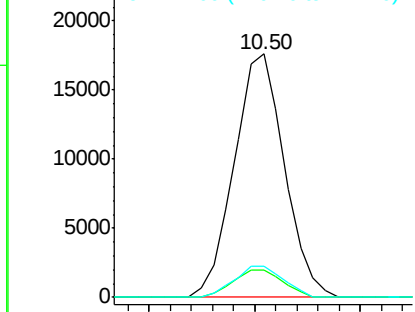
#28
Naphthalene
Concen: 3.53 ng/ul
RT: 10.50 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BM004044.D
Acq: 15 Jan 2016 12:59

Instrument :
BNA_M
ClientSampleId :
BC983

Tgt Ion:128 Resp: 28996
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 12.5 10.5 15.7

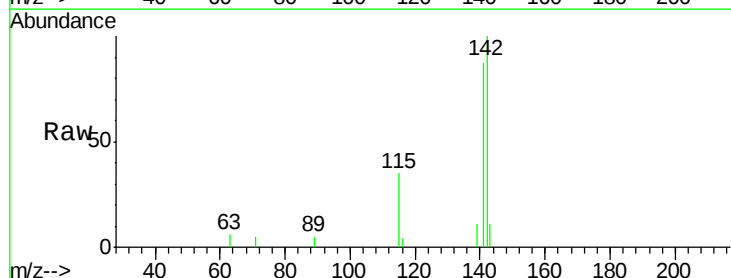


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

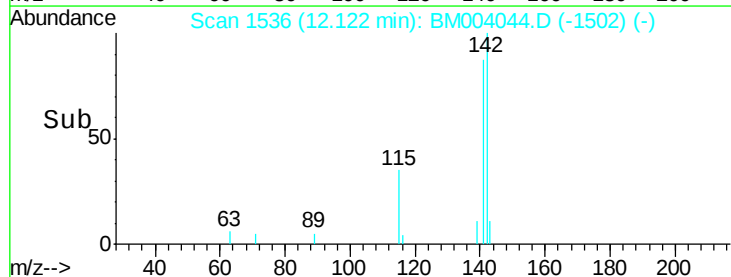
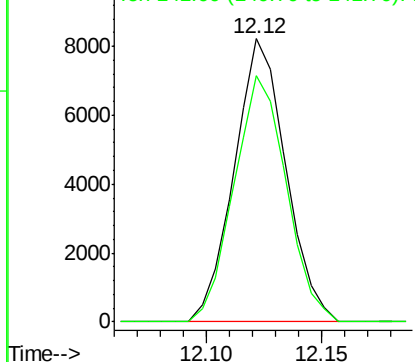


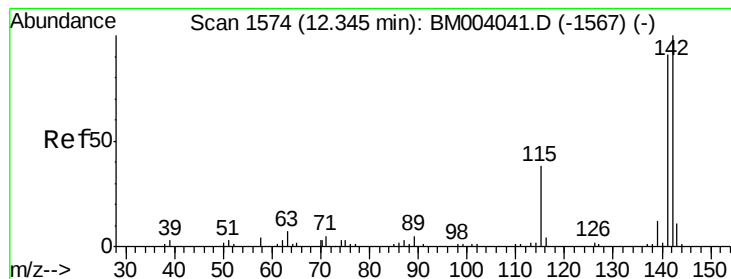
#34
2-Methylnaphthalene
Concen: 2.21 ng/ul
RT: 12.12 min Scan# 1536
Delta R.T. 0.00 min
Lab File: BM004044.D
Acq: 15 Jan 2016 12:59

Tgt Ion:142 Resp: 12819
Ion Ratio Lower Upper
142 100
141 86.9 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: 2.05 ng/ul

RT: 12.35 min Scan# 1574

Delta R.T. 0.00 min

Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

Instrument :

BNA_M

ClientSampleId :

BC983

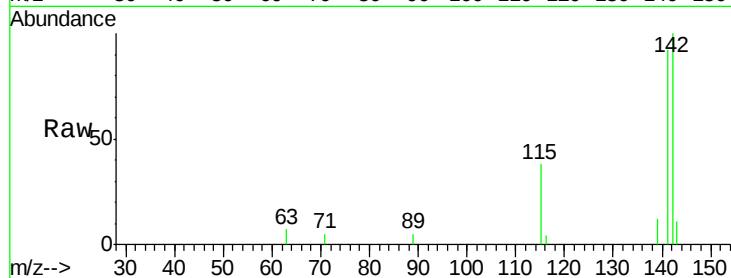
Tgt Ion:142 Resp: 11266

Ion Ratio Lower Upper

142 100

141 92.2 74.9 112.3

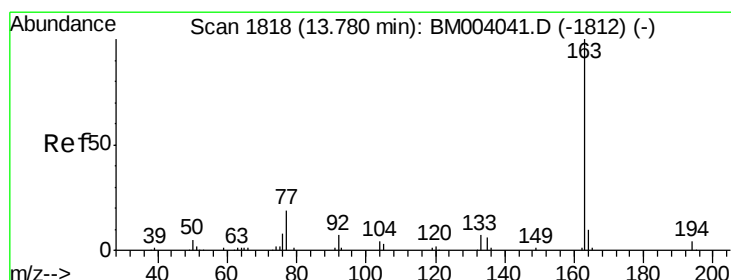
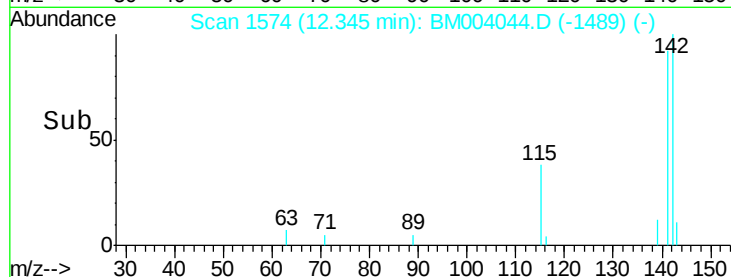
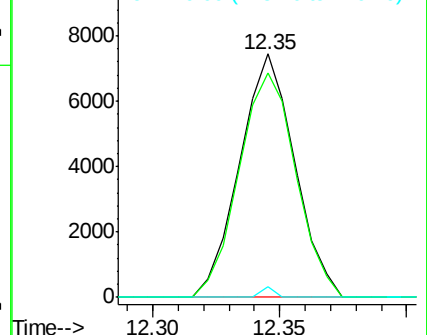
116 4.1 3.1 4.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#45

Dimethylphthalate

Concen: 1.07 ng/ul

RT: 13.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

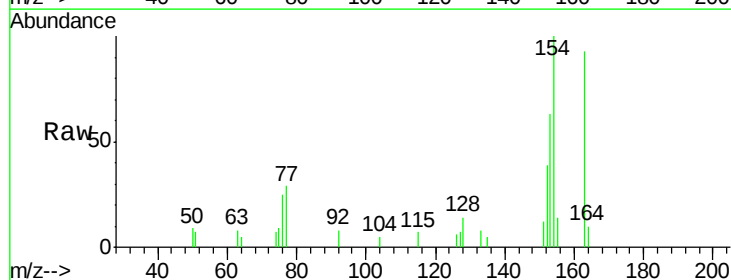
Tgt Ion:163 Resp: 7933

Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

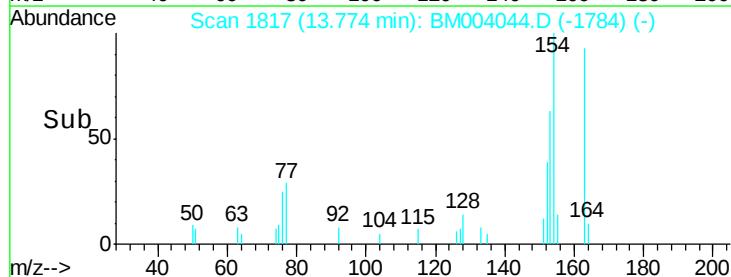
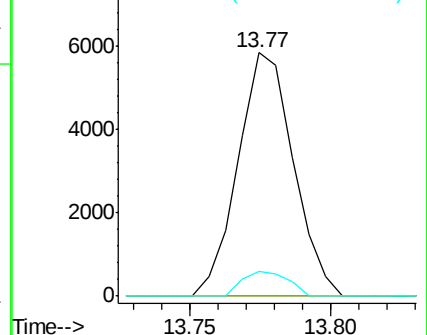
164 10.3 7.8 11.8

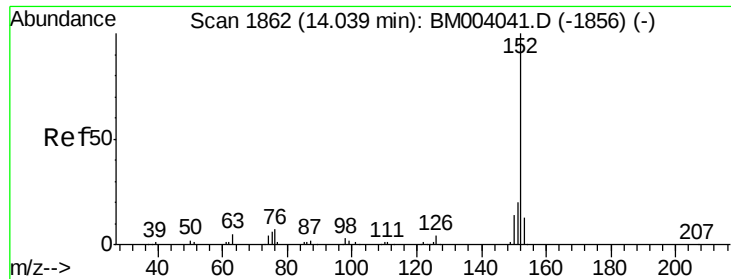


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 6.10 ng/ul

RT: 14.04 min Scan# 1862

Delta R.T. 0.00 min

Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

Instrument :

BNA_M

ClientSampleId :

BC983

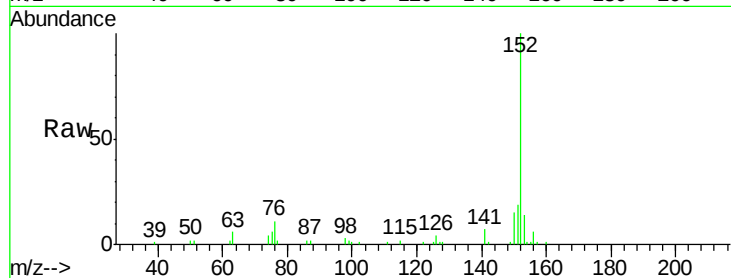
Tgt Ion:152 Resp: 59416

Ion Ratio Lower Upper

152 100

151 19.2 15.7 23.5

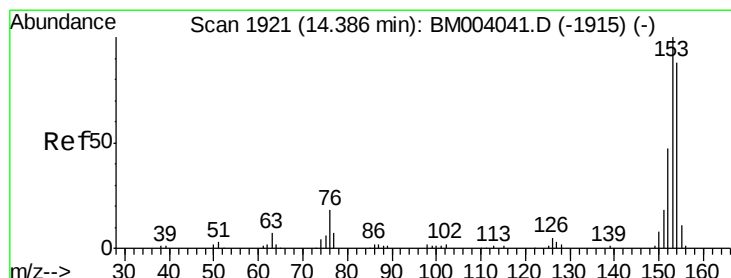
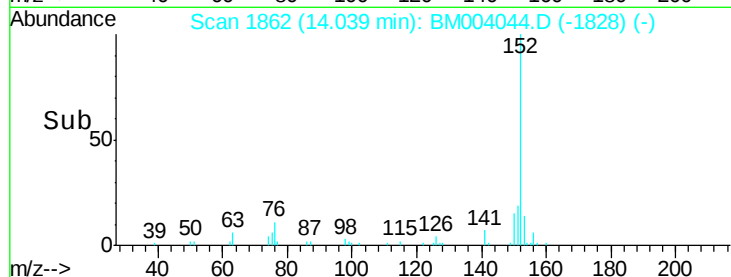
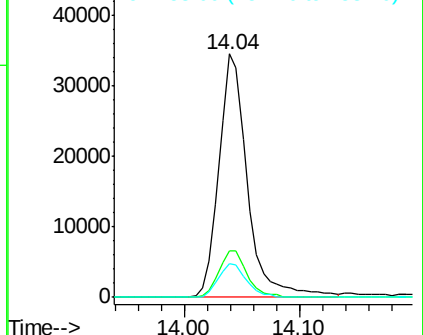
153 13.7 10.5 15.7



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: 2.37 ng/ul

RT: 14.39 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

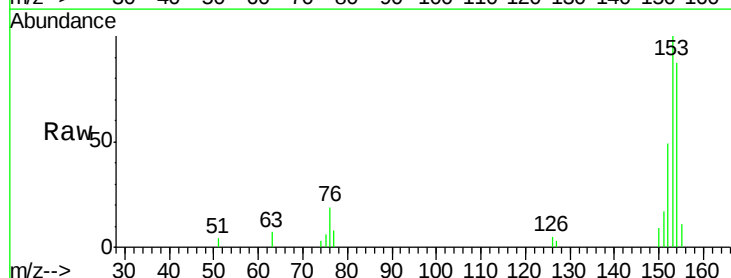
Tgt Ion:153 Resp: 15248

Ion Ratio Lower Upper

153 100

152 49.0 38.3 57.5

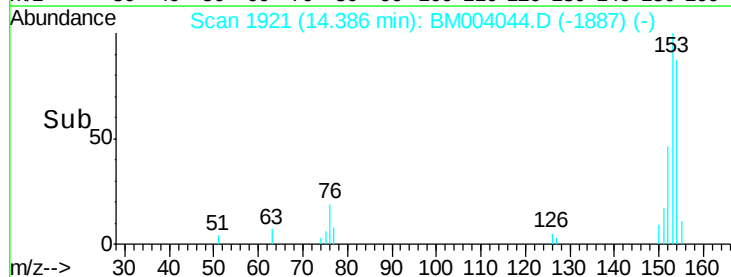
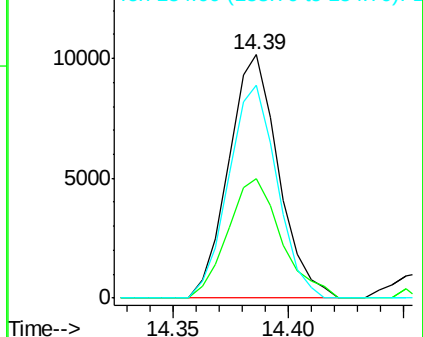
154 87.3 71.8 107.8

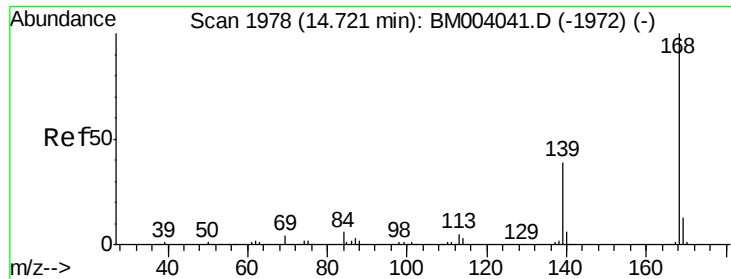


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 1.12 ng/ul

RT: 14.72 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

Instrument :

BNA_M

ClientSampled :

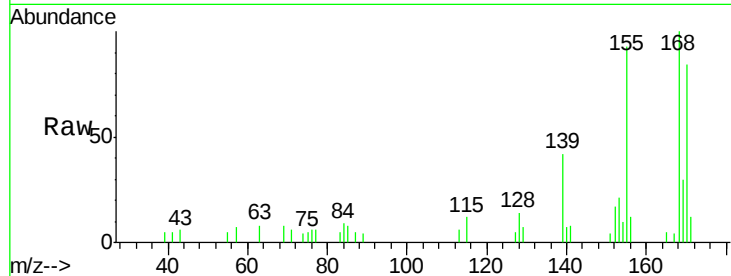
BC983

Tgt Ion:168 Resp: 10111

Ion Ratio Lower Upper

168 100

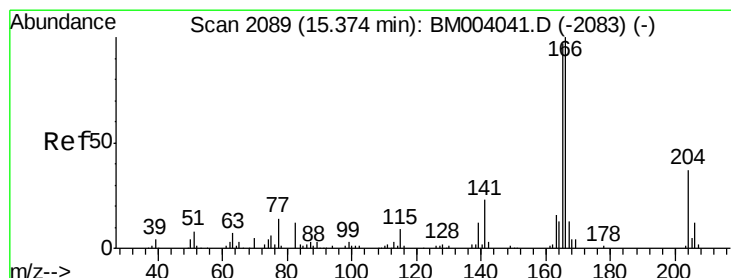
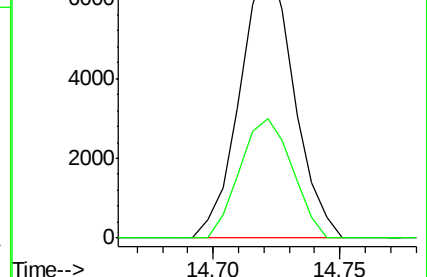
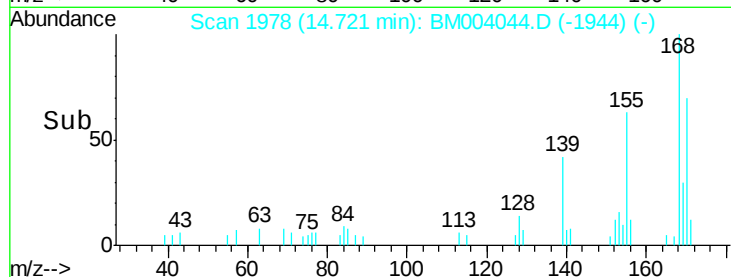
139 42.4 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Time-->



#59

Fluorene

Concen: 3.79 ng/ul

RT: 15.37 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

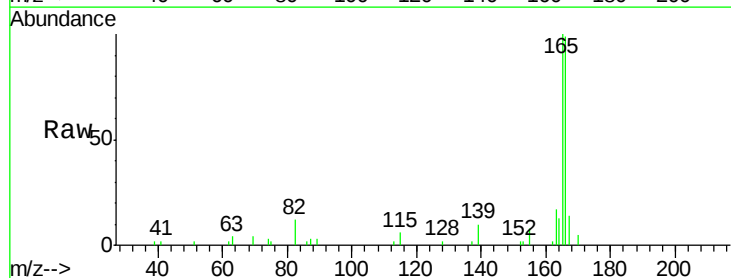
Tgt Ion:166 Resp: 27152

Ion Ratio Lower Upper

166 100

165 101.0 78.5 117.7

167 14.6 10.7 16.1

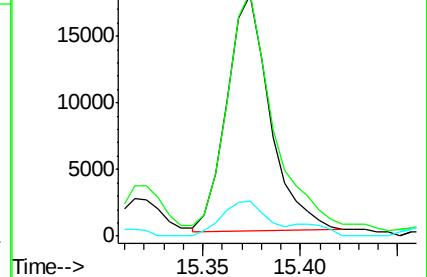
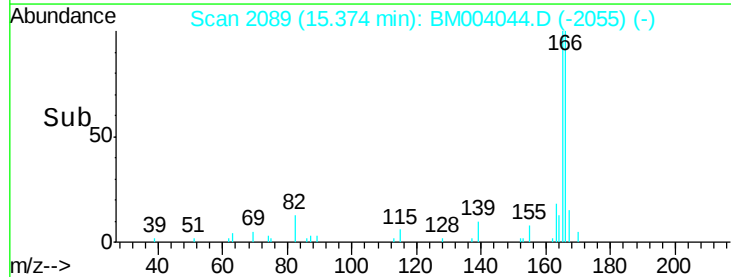


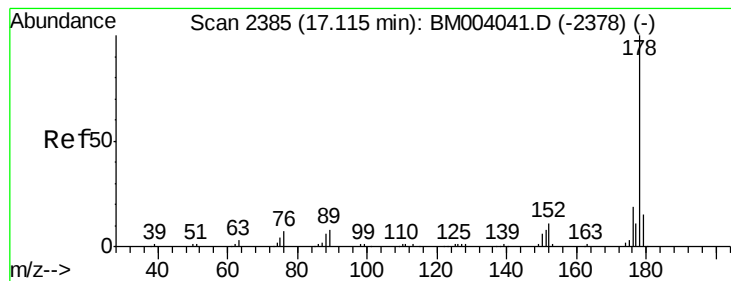
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->





#70

Phenanthrene

Concen: 44.85 ng/ul

RT: 17.12 min Scan# 2385

Delta R.T. 0.00 min

Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

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ClientSampled :

BC983

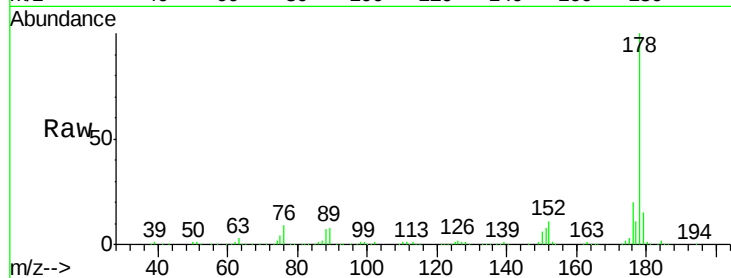
Tgt Ion:178 Resp: 516957

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

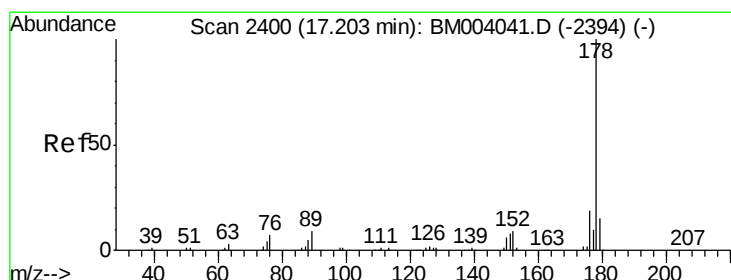
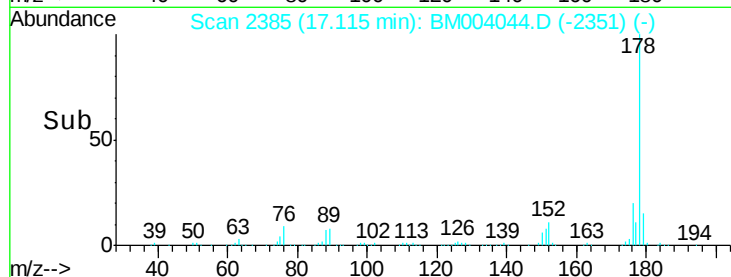
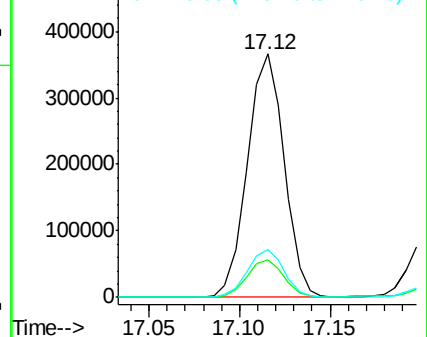
176 19.5 15.6 23.4



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: 11.20 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

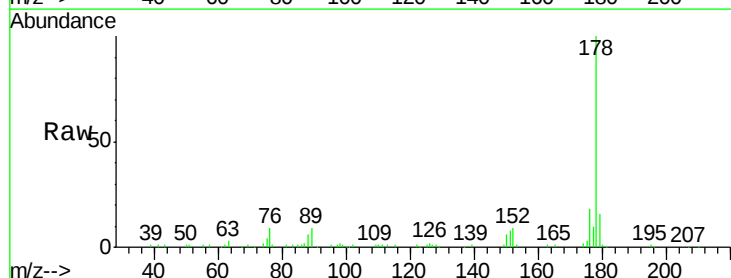
Tgt Ion:178 Resp: 132409

Ion Ratio Lower Upper

178 100

179 15.5 12.1 18.1

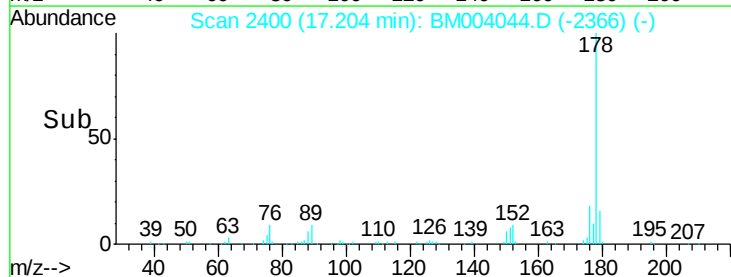
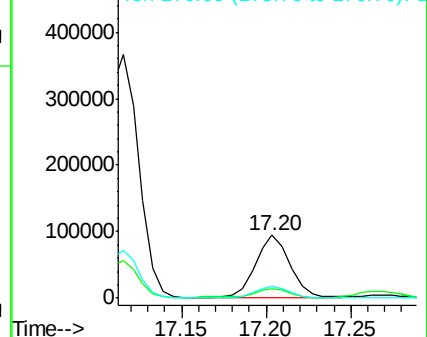
176 18.4 14.8 22.2

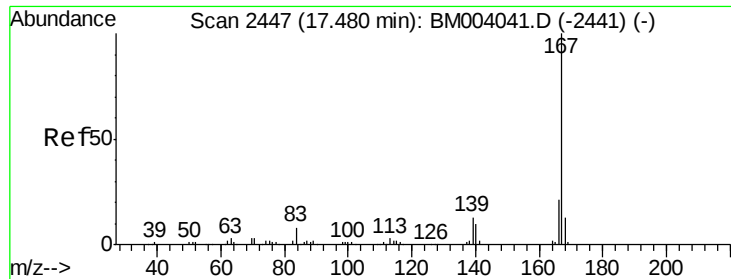


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 3.16 ng/ul

RT: 17.48 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

Instrument :

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BC983

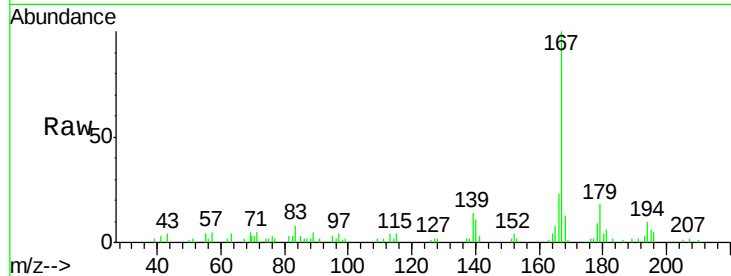
Tgt Ion:167 Resp: 32905

Ion Ratio Lower Upper

167 100

166 22.7 17.0 25.6

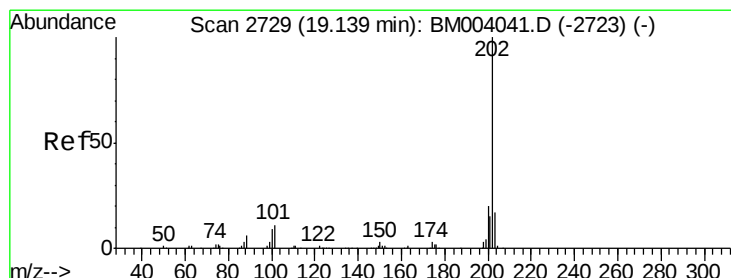
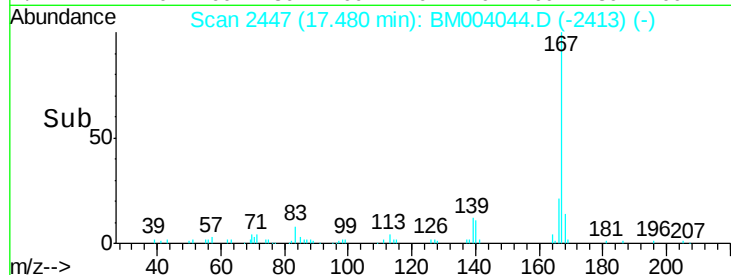
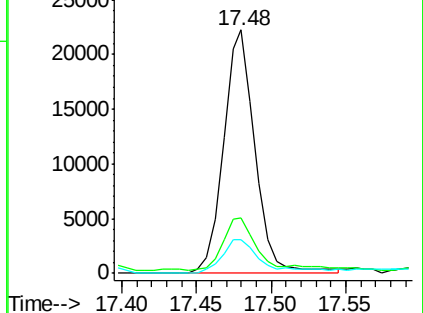
139 13.9 11.0 16.4



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: 65.60 ng/ul

RT: 19.14 min Scan# 2730

Delta R.T. 0.01 min

Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

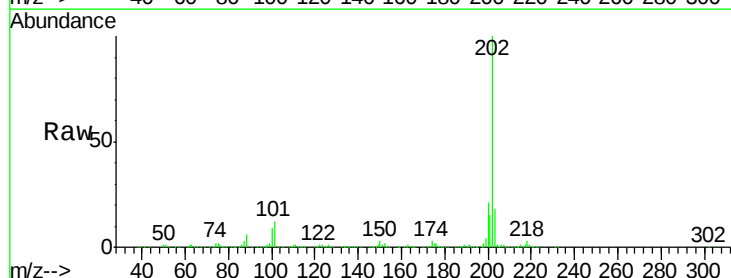
Tgt Ion:202 Resp: 785685

Ion Ratio Lower Upper

202 100

101 11.5 8.8 13.2

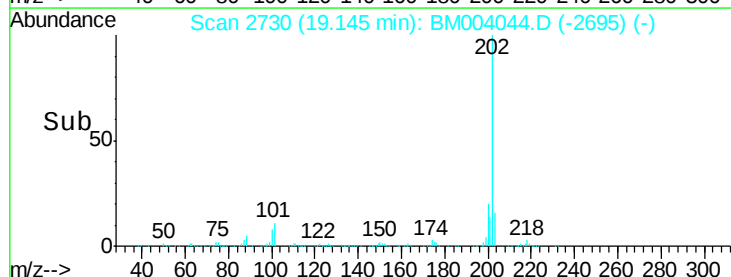
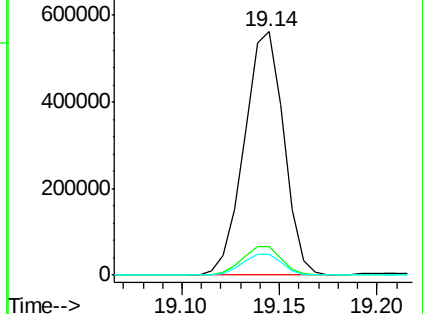
100 8.6 6.6 9.8

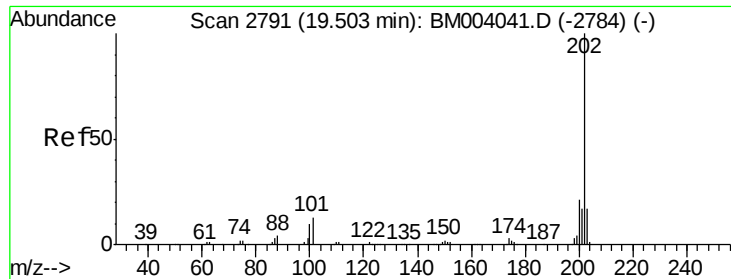


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

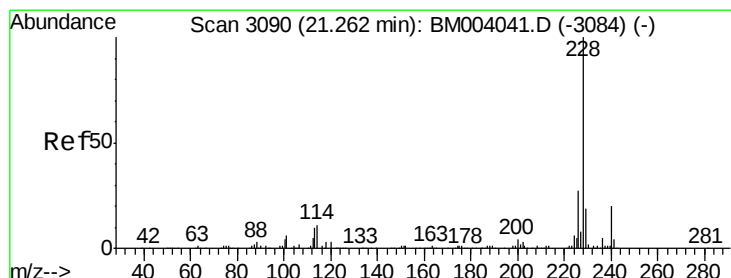
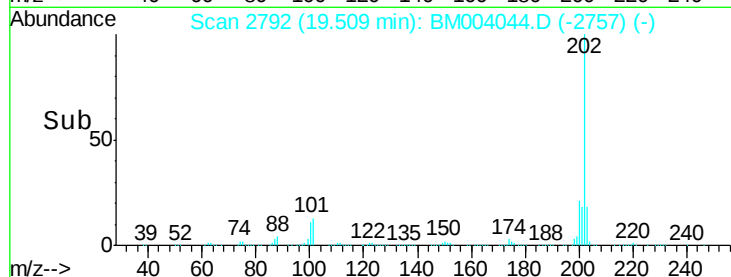
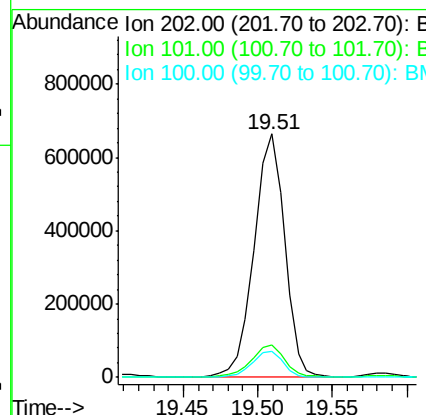
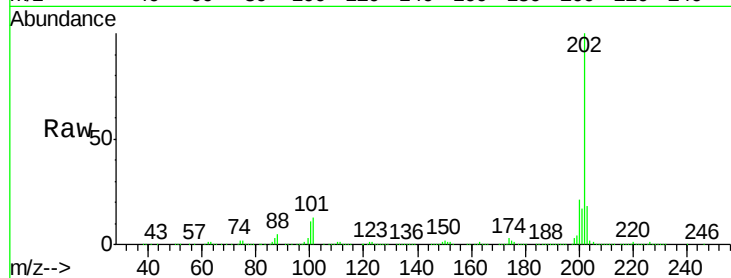




#80
Pyrene
Concen: 77.56 ng/ul
RT: 19.51 min Scan# 2792
Delta R.T. 0.01 min
Lab File: BM004044.D
Acq: 15 Jan 2016 12:59

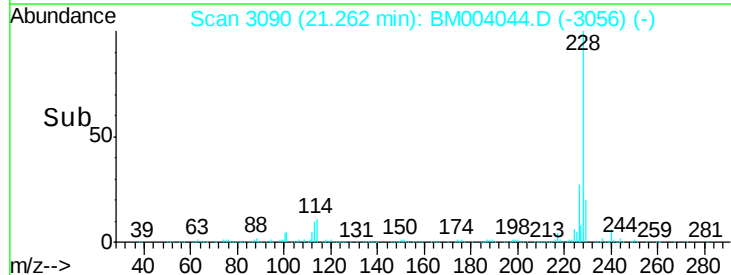
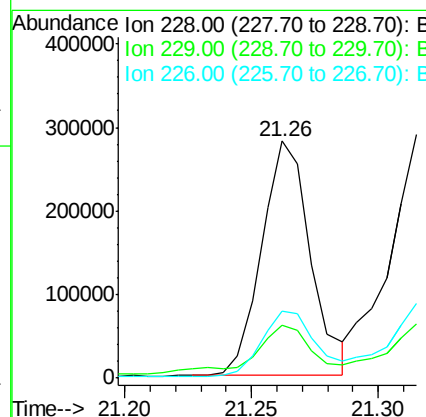
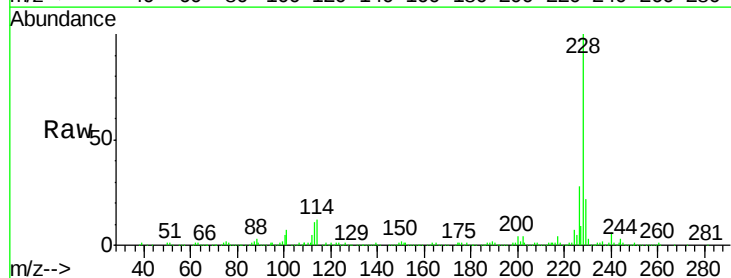
Instrument :
BNA_M
ClientSampleId :
BC983

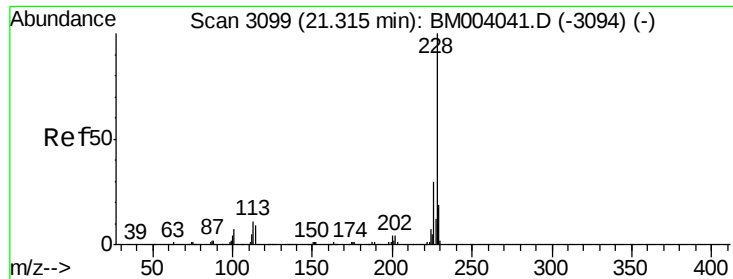
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	10.2	15.2
100	10.8	8.5	12.7



#83
Benzo(a)anthracene
Concen: 35.61 ng/ul
RT: 21.26 min Scan# 3090
Delta R.T. 0.00 min
Lab File: BM004044.D
Acq: 15 Jan 2016 12:59

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.4	15.7	23.5
226	28.1	21.8	32.6





#85

Chrysene

Concen: 41.18 ng/ul

RT: 21.32 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

Instrument :

BNA_M

ClientSampleId :

BC983

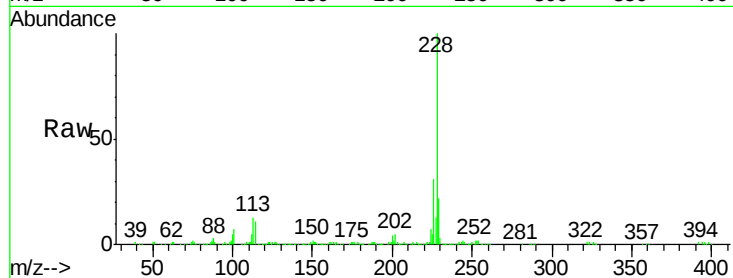
Tgt Ion:228 Resp: 415137

Ion Ratio Lower Upper

228 100

226 30.5 24.0 36.0

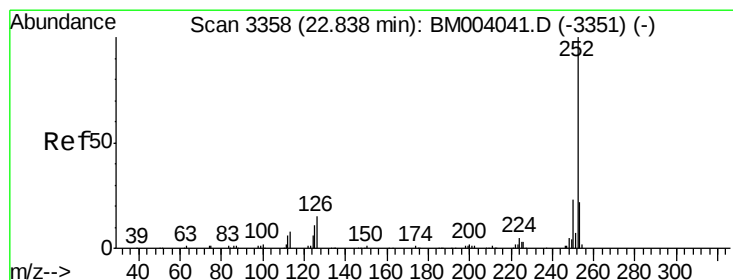
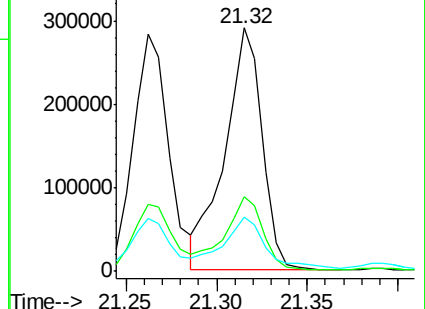
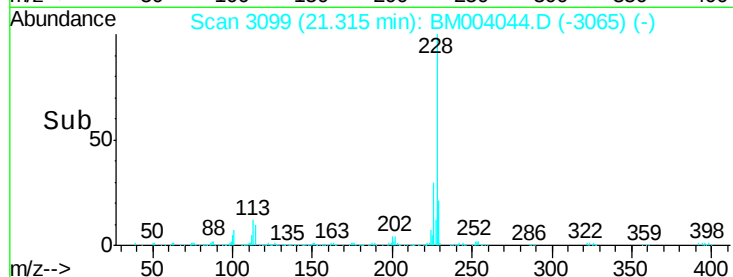
229 22.2 15.6 23.4



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: 40.81 ng/ul

RT: 22.85 min Scan# 3360

Delta R.T. 0.01 min

Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

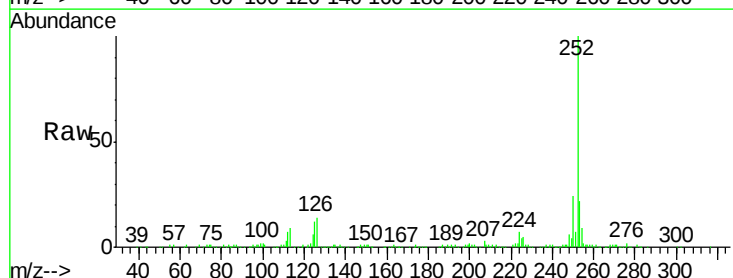
Tgt Ion:252 Resp: 397289

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

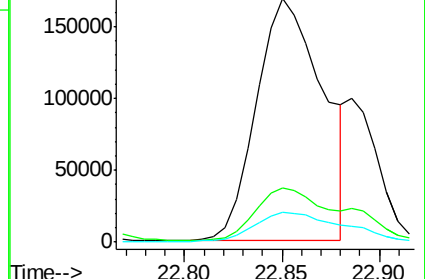
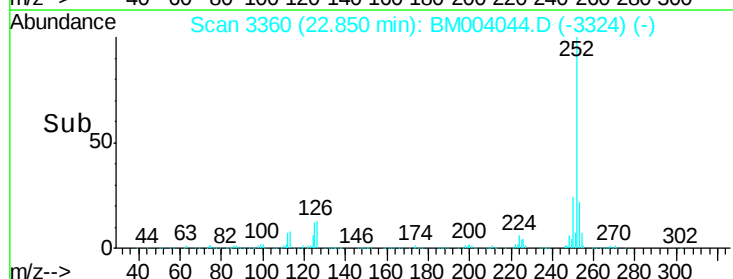
125 12.1 8.5 12.7

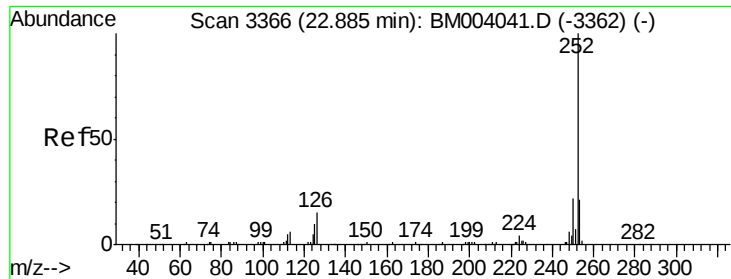


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 19.36 ng/u1

RT: 22.85 min Scan# 3360

Delta R.T. -0.04 min

Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

Instrument :

BNA_M

ClientSampleId :

BC983

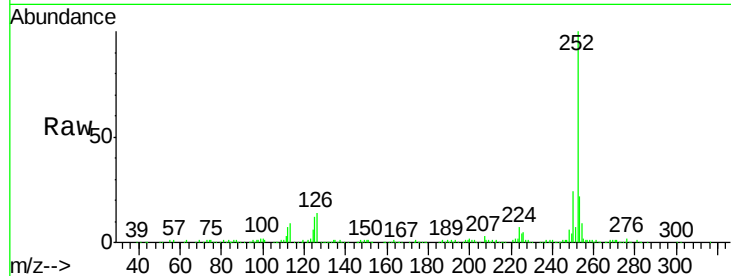
Tgt Ion:252 Resp: 179342

Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

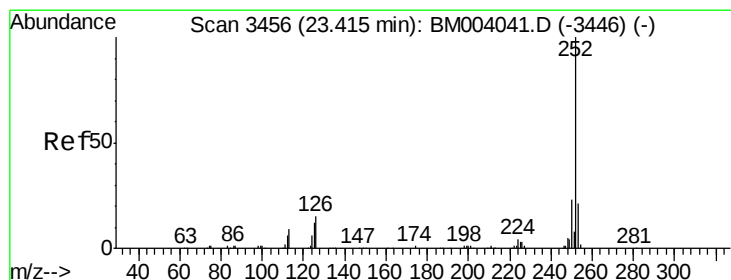
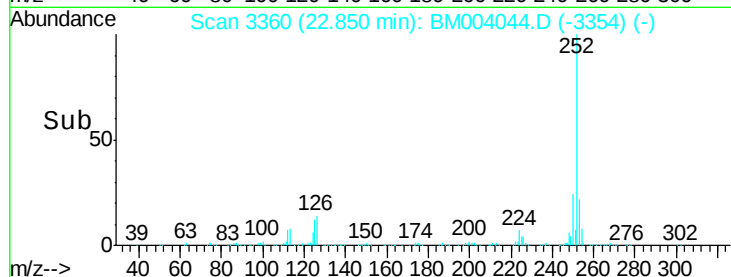
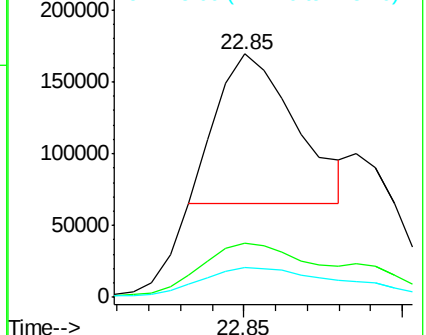
125 12.1 8.2 12.2



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: 35.78 ng/u1

RT: 23.42 min Scan# 3457

Delta R.T. 0.01 min

Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

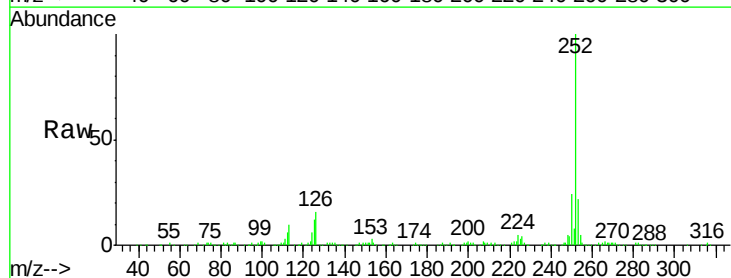
Tgt Ion:252 Resp: 330390

Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

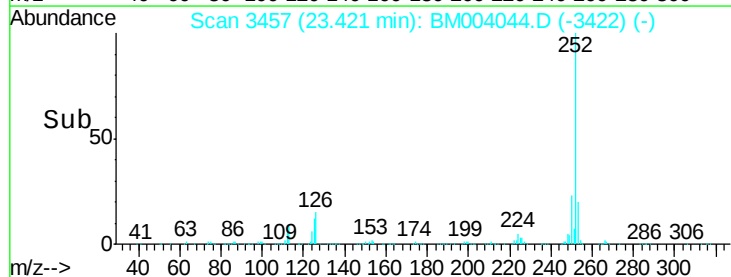
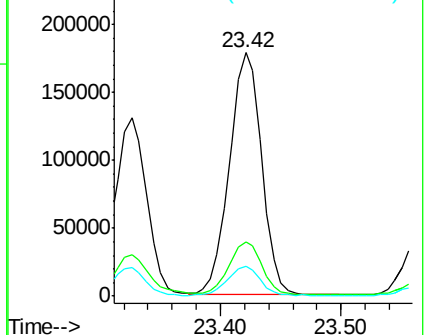
125 12.1 9.0 13.6

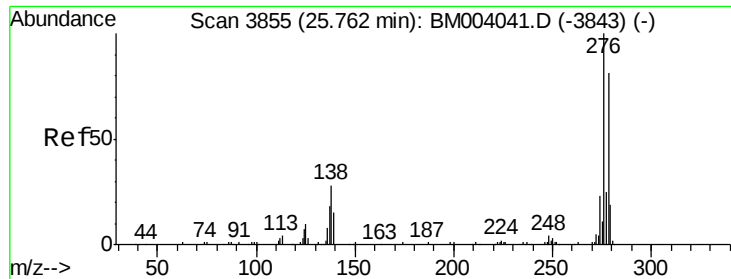


Abundance Ion 252.00 (251.70 to 252.70): E

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: 18.78 ng/ul

RT: 25.77 min Scan# 3856

Delta R.T. 0.01 min

Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

Instrument :

BNA_M

ClientSampleId :

BC983

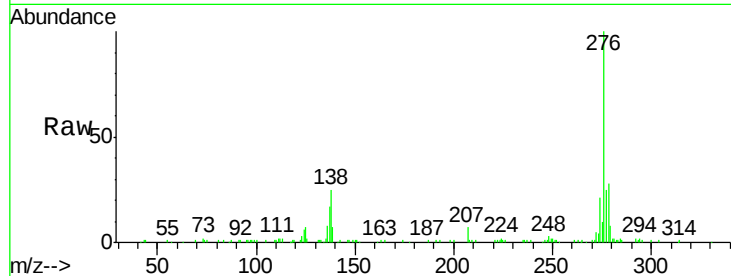
Tgt Ion:276 Resp: 191798

Ion Ratio Lower Upper

276 100

138 24.8 22.3 33.5

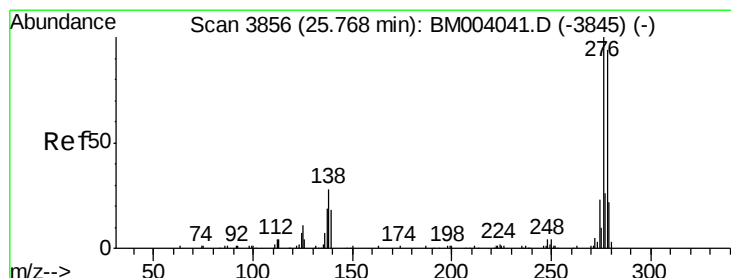
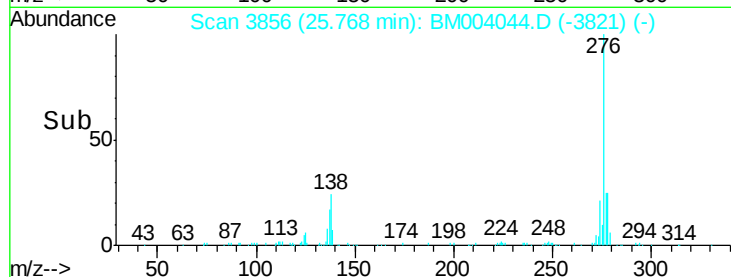
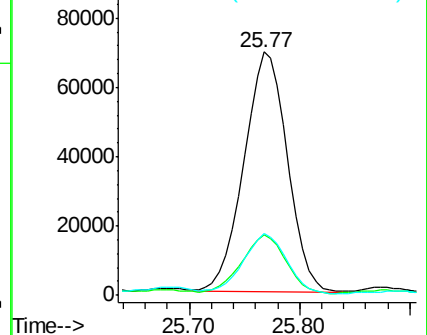
277 25.2 20.2 30.2



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: 6.82 ng/ul

RT: 25.77 min Scan# 3856

Delta R.T. 0.00 min

Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

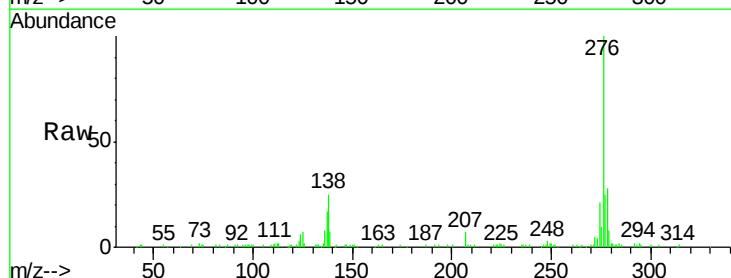
Tgt Ion:278 Resp: 58537

Ion Ratio Lower Upper

278 100

139 25.3 13.9 20.9#

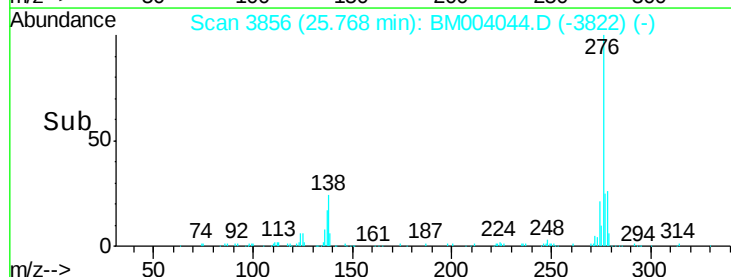
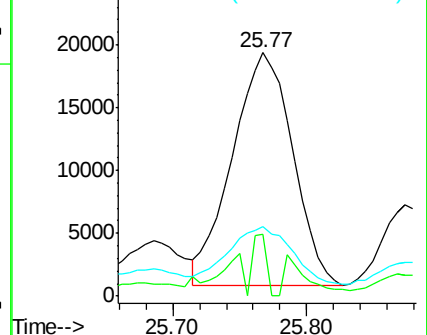
279 28.5 19.0 28.4#

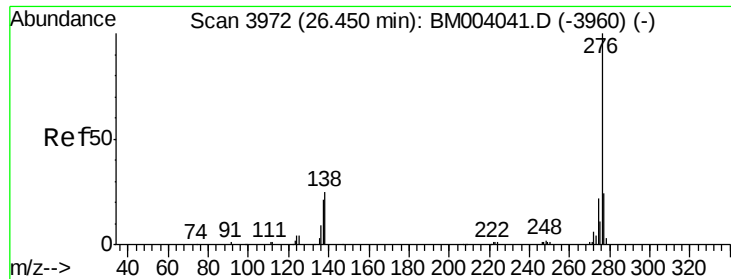


Abundance Ion 278.00 (277.70 to 278.70): E

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: 20.72 ng/ul

RT: 26.46 min Scan# 3974

Delta R.T. 0.01 min

Lab File: BM004044.D

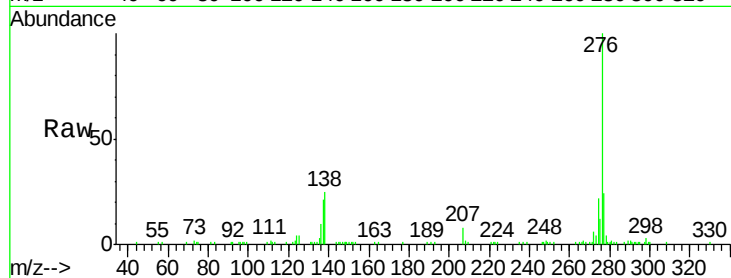
Acq: 15 Jan 2016 12:59

Instrument :

BNA_M

ClientSampleId :

BC983



Tgt Ion:	276	Resp:	177664
Ion	Ratio	Lower	Upper
276	100		
138	25.2	18.9	28.3
277	24.4	19.2	28.8

