

Data File : BM024844.D
Acq On : 11 Feb 2020 21:04
Operator : CG/JU
Sample : L1405-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB6P6

Quant Time: Feb 12 04:43:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 12 04:40:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	322007	20.00	ng/ul	0.00
18) Naphthalene-d8	10.16	136	1279160	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.05	164	844336	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.81	188	1839161	20.00	ng/ul	0.00
78) Chrysene-d12	21.02	240	1860272	20.00	ng/ul	0.00
86) Perylene-d12	23.12	264	1965677	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	27726	4.14	ng/uL	0.00
5) Phenol-d5	6.60	99	486030	22.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	288510	23.88	ng/ul	0.00
9) 2-Chlorophenol-d4	6.94	132	446657	23.31	ng/ul	0.00
13) 4-Methylphenol-d8	8.12	113	367220	20.34	ng/ul	0.00
19) Nitrobenzene-d5	8.54	128	218512	23.62	ng/ul	0.00
22) 2-Nitrophenol-d4	9.25	143	258896	23.69	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	458814	20.81	ng/ul	0.00
29) 4-Chloroaniline-d4	10.30	131	573274	27.80	ng/ul	0.00
44) Dimethylphthalate-d6	13.48	166	1506693	23.64	ng/ul	0.00
47) Acenaphthylene-d8	13.74	160	1760129	23.65	ng/ul	0.00
52) 4-Nitrophenol-d4	14.27	143	209529	20.23	ng/ul	0.00
58) Fluorene-d10	15.06	176	1313843	23.28	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.19	200	226223	18.87	ng/ul	0.00
71) Anthracene-d10	16.90	188	2001602	23.84	ng/ul	0.00
79) Pyrene-d10	19.22	212	2362239	25.39	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.99	264	2548433	25.81	ng/ul	0.00

Target Compounds

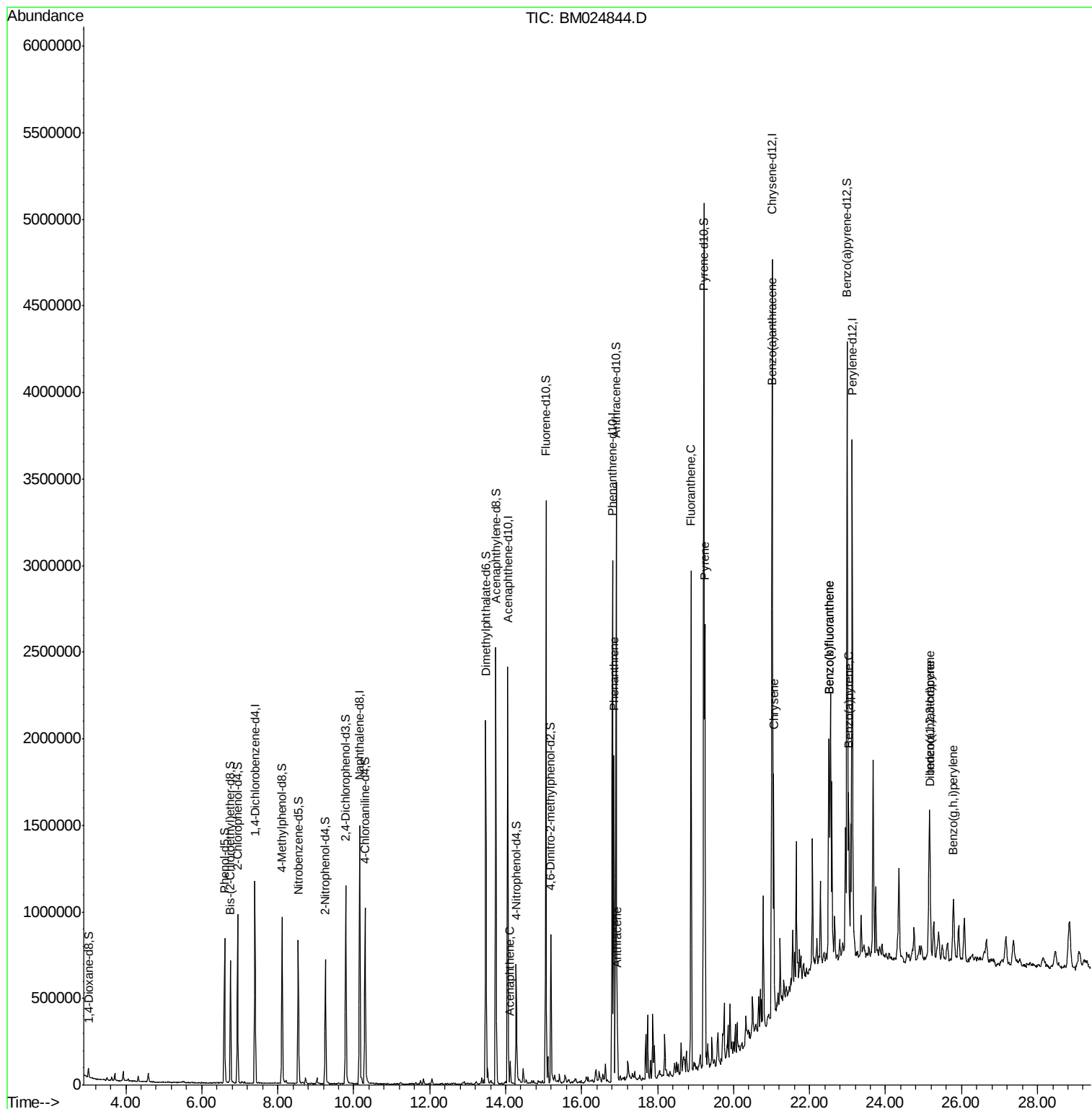
					Qvalue	
50) Acenaphthene	14.12	153	52407	1.007	ng/ul	93
70) Phenanthrene	16.85	178	1126351	11.232	ng/ul	99
72) Anthracene	16.94	178	214506	2.109	ng/ul	98
77) Fluoranthene	18.87	202	1809747	14.701	ng/ul	97
80) Pyrene	19.24	202	1581110	12.840	ng/ul	100
83) Benzo(a)anthracene	21.00	228	892865	7.125	ng/ul	99
85) Chrysene	21.06	228	814160	6.600	ng/ul	99
88) Benzo(b)fluoranthene	22.51	252	1133544	9.069	ng/ul#	99
89) Benzo(k)fluoranthene	22.51	252	1133544	9.422	ng/ul#	99
91) Benzo(a)pyrene	23.03	252	685889	6.121	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.17	276	513272	3.679	ng/ul	98
93) Dibenzo(a,h)anthracene	25.17	278	143955	1.211	ng/ul#	97
94) Benzo(g,h,i)perylene	25.79	276	432865	3.731	ng/ul	99

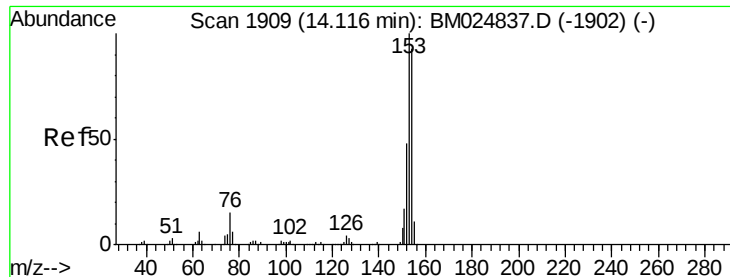
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#50

Acenaphthene

Concen: 1.007 ng/ul

RT: 14.12 min Scan# 1909

Delta R.T. 0.00 min

Lab File: BM024844.D

Acq: 11 Feb 2020 21:04

Instrument :

BNA_M

ClientSampleId :

CB6P6

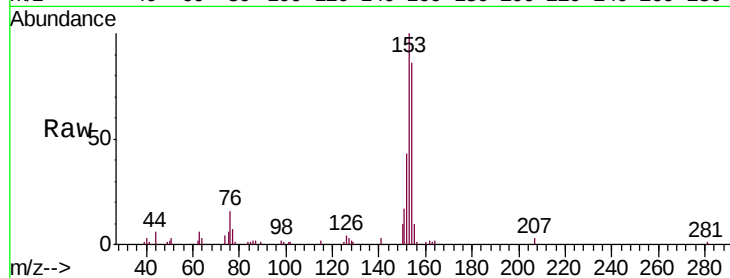
Tgt Ion:153 Resp: 52407

Ion Ratio Lower Upper

153 100

152 42.8 37.3 55.9

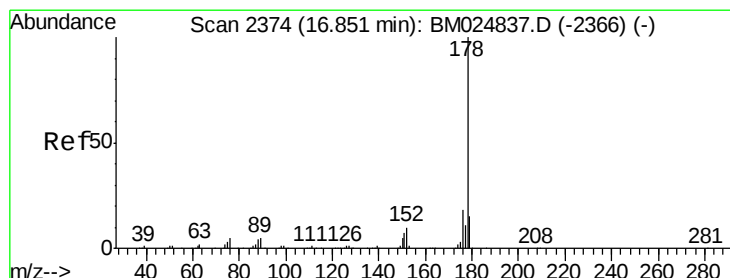
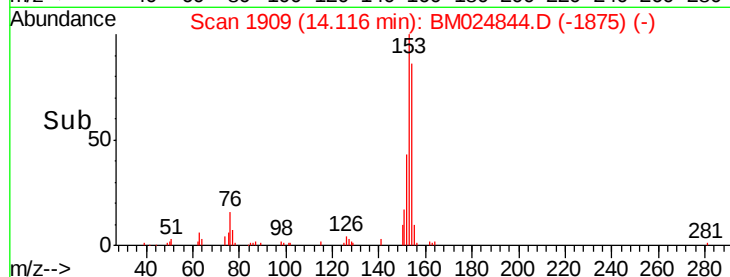
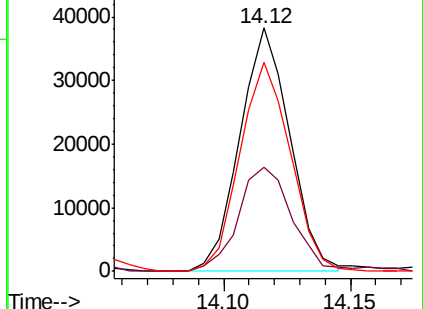
154 86.0 74.1 111.1



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



#70

Phenanthrene

Concen: 11.232 ng/ul

RT: 16.85 min Scan# 2374

Delta R.T. 0.00 min

Lab File: BM024844.D

Acq: 11 Feb 2020 21:04

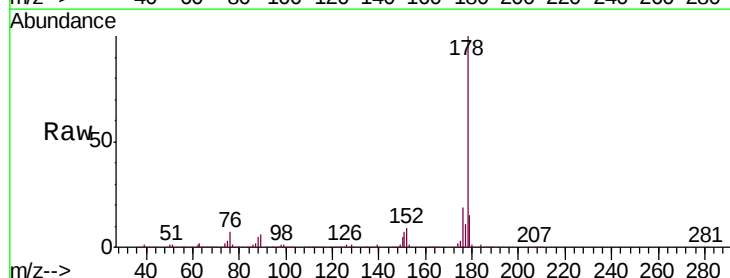
Tgt Ion:178 Resp: 1126351

Ion Ratio Lower Upper

178 100

179 14.9 12.2 18.2

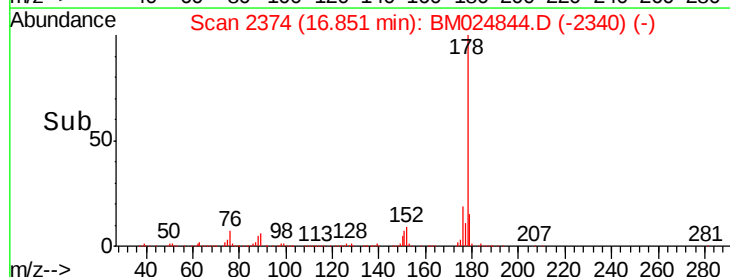
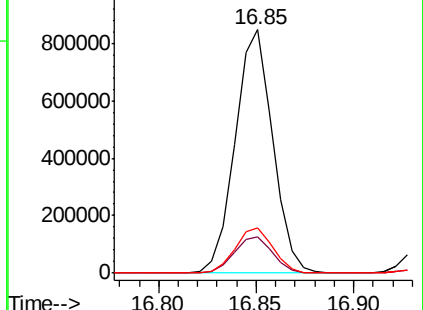
176 18.7 14.5 21.7

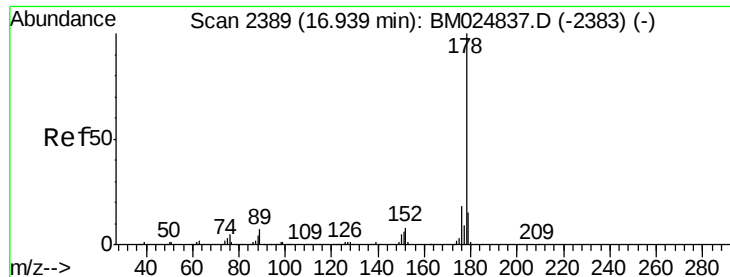


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 2.109 ng/ul

RT: 16.94 min Scan# 2389

Delta R.T. 0.00 min

Lab File: BM024844.D

Acq: 11 Feb 2020 21:04

Instrument :

BNA_M

ClientSampleId :

CB6P6

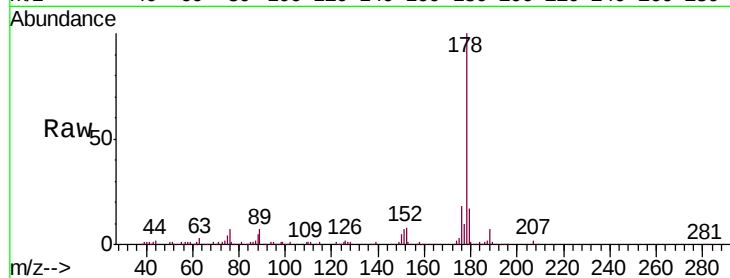
Tgt Ion:178 Resp: 214506

Ion Ratio Lower Upper

178 100

179 16.7 12.3 18.5

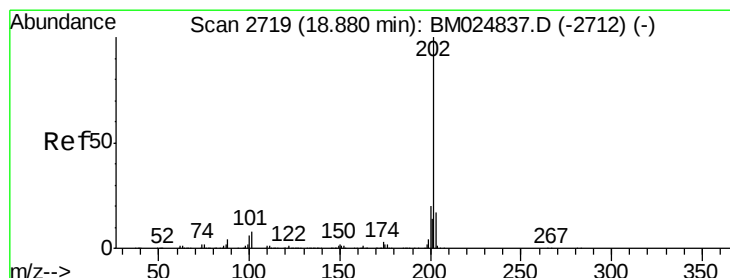
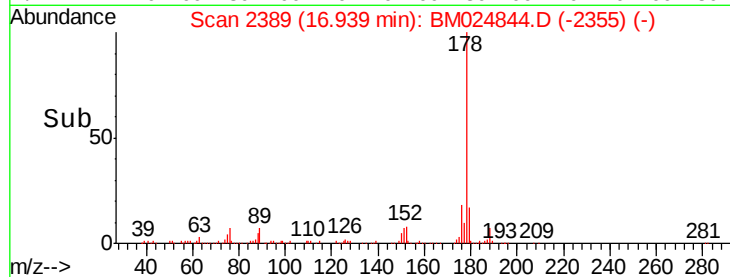
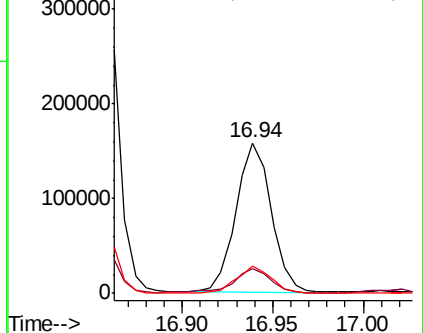
176 18.4 14.1 21.1



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: 14.701 ng/ul

RT: 18.87 min Scan# 2718

Delta R.T. -0.01 min

Lab File: BM024844.D

Acq: 11 Feb 2020 21:04

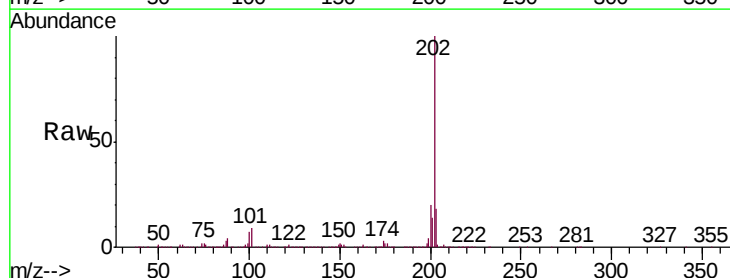
Tgt Ion:202 Resp: 1809747

Ion Ratio Lower Upper

202 100

101 8.8 6.1 9.1

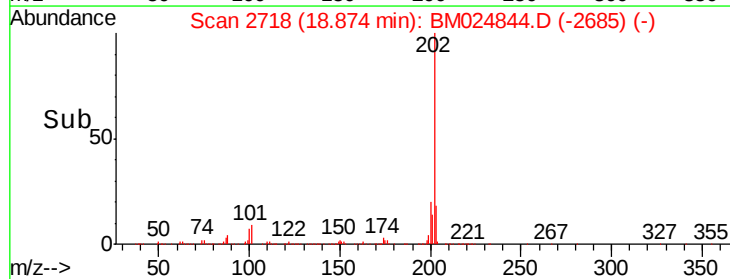
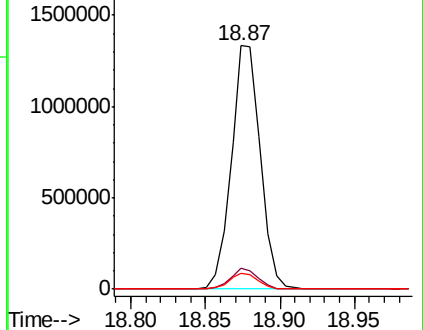
100 6.7 4.8 7.2

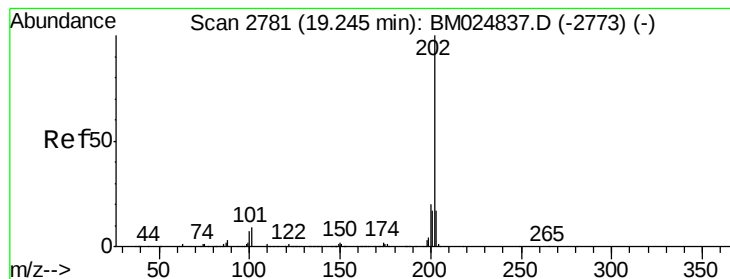


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#80

Pyrene

Concen: 12.840 ng/ul

RT: 19.24 min Scan# 2781

Delta R.T. 0.00 min

Lab File: BM024844.D

Acq: 11 Feb 2020 21:04

Instrument :

BNA_M

ClientSampleId :

CB6P6

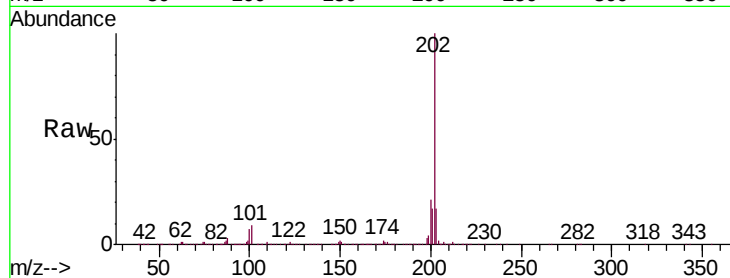
Tgt Ion:202 Resp: 1581110

Ion Ratio Lower Upper

202 100

101 8.8 7.0 10.4

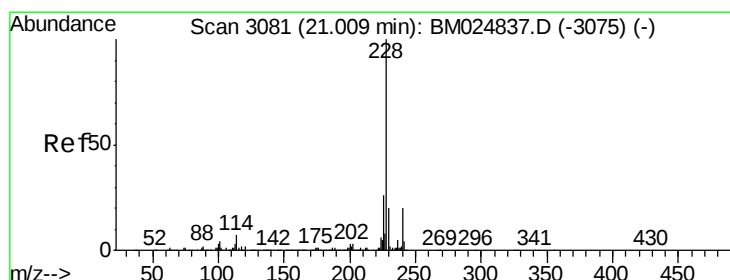
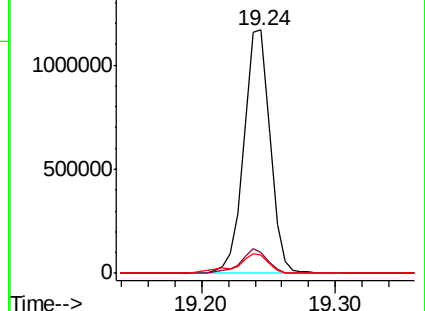
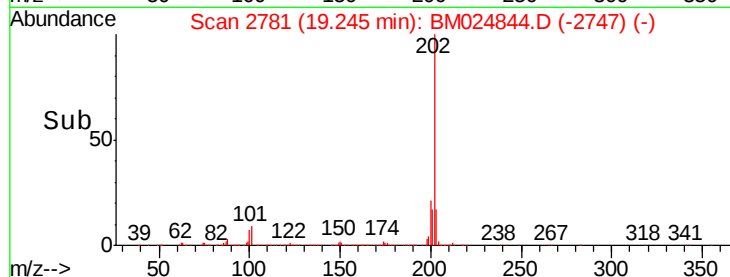
100 7.3 5.8 8.8



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



#83

Benzo(a)anthracene

Concen: 7.125 ng/ul

RT: 21.00 min Scan# 3080

Delta R.T. -0.01 min

Lab File: BM024844.D

Acq: 11 Feb 2020 21:04

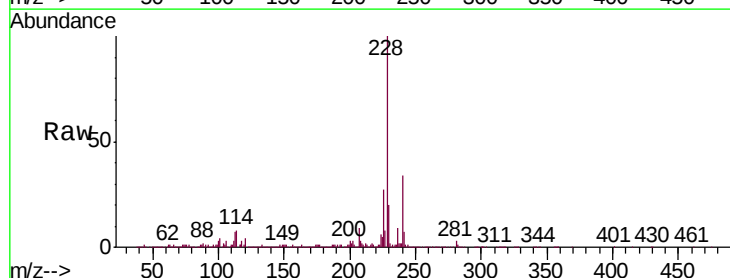
Tgt Ion:228 Resp: 892865

Ion Ratio Lower Upper

228 100

229 20.0 15.9 23.9

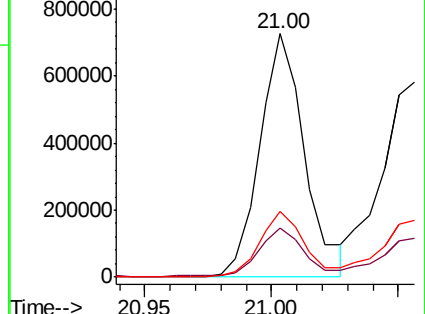
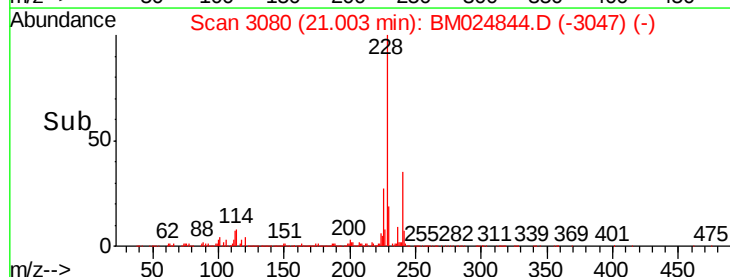
226 27.0 20.8 31.2

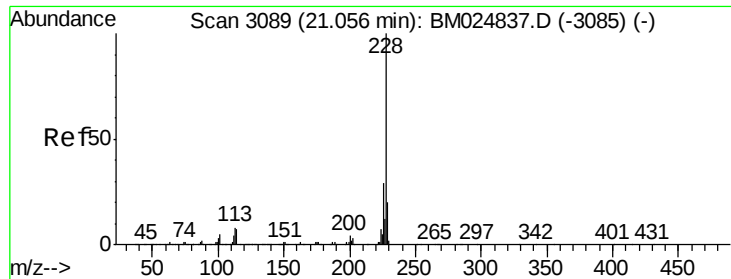


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#85

Chrysene

Concen: 6.600 ng/u1

RT: 21.06 min Scan# 3089

Delta R.T. 0.00 min

Lab File: BM024844.D

Acq: 11 Feb 2020 21:04

Instrument :

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ClientSampleId :

CB6P6

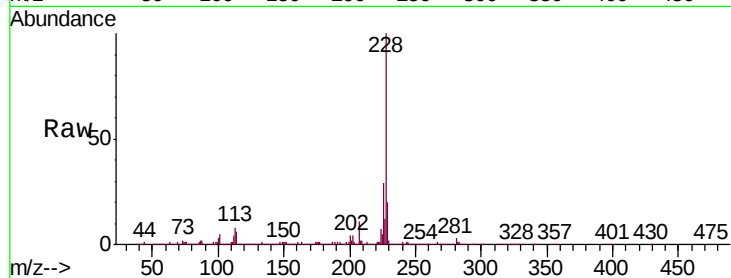
Tgt Ion:228 Resp: 814160

Ion Ratio Lower Upper

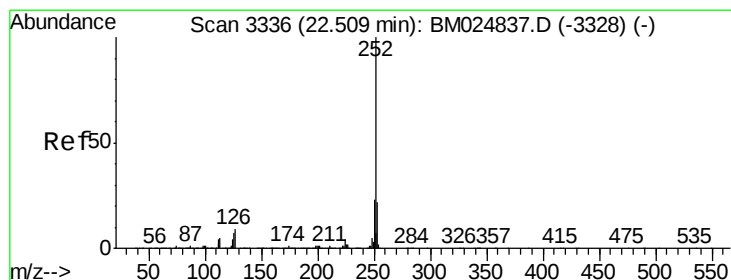
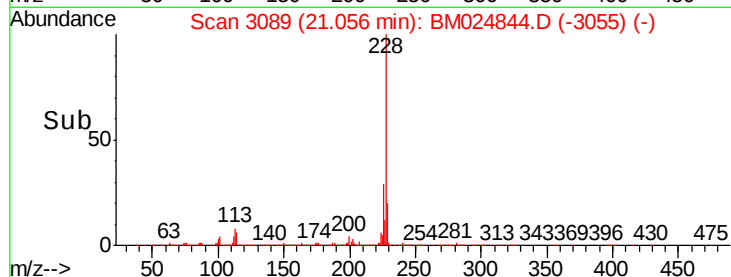
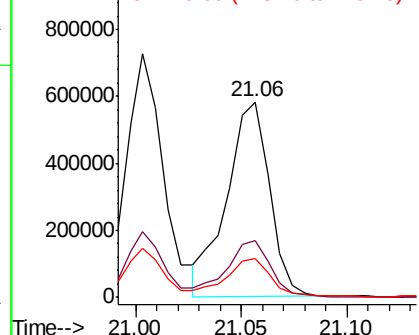
228 100

226 29.2 23.0 34.4

229 20.0 15.8 23.8



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: 9.069 ng/u1

RT: 22.51 min Scan# 3336

Delta R.T. 0.00 min

Lab File: BM024844.D

Acq: 11 Feb 2020 21:04

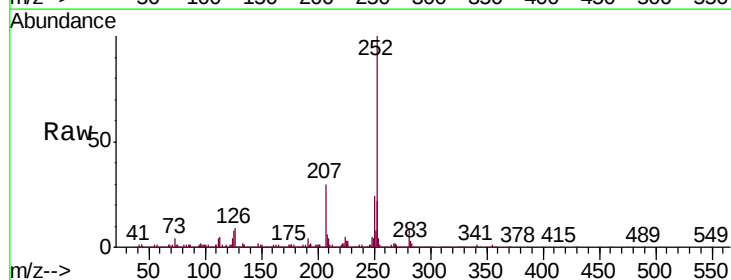
Tgt Ion:252 Resp: 1133544

Ion Ratio Lower Upper

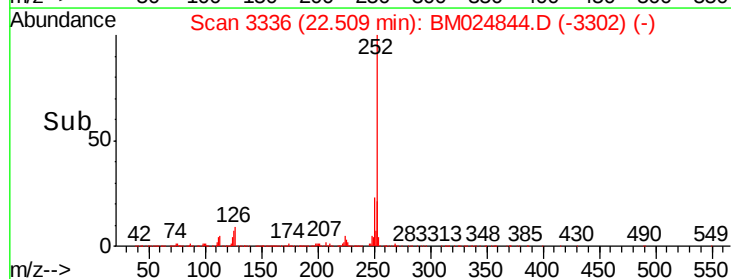
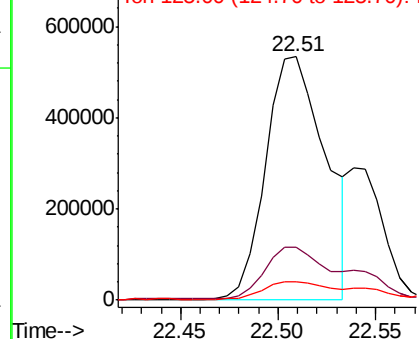
252 100

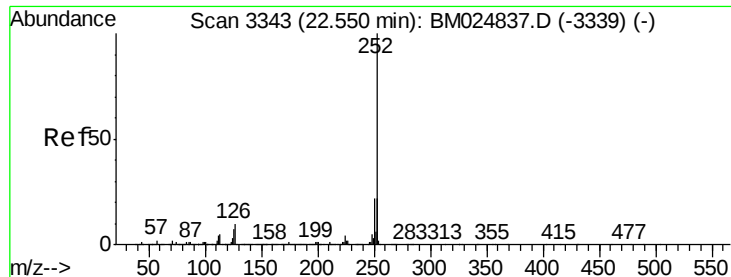
253 21.9 17.3 25.9

125 7.8 5.1 7.7#



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: 9.422 ng/ul

RT: 22.51 min Scan# 3336

Delta R.T. -0.04 min

Lab File: BM024844.D

Acq: 11 Feb 2020 21:04

Instrument :

BNA_M

ClientSampleId :

CB6P6

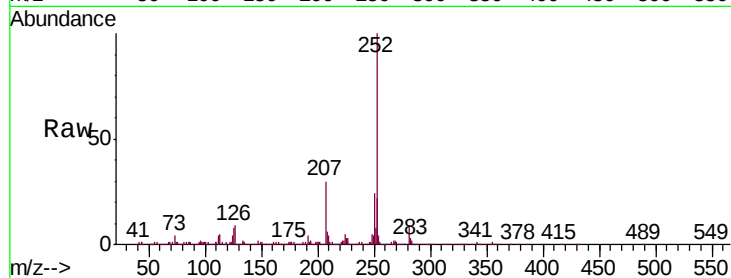
Tgt Ion:252 Resp: 1133544

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

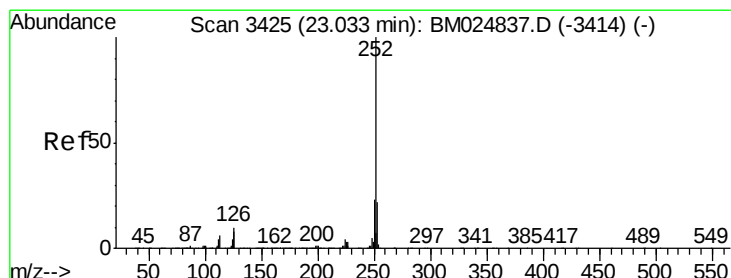
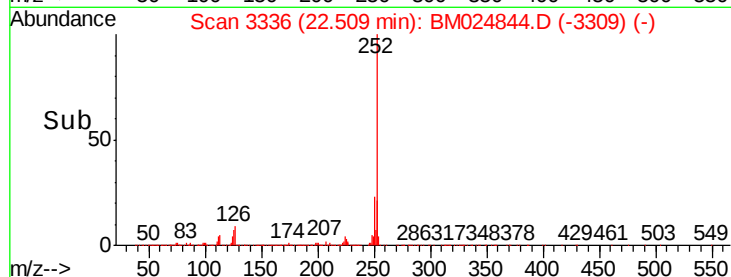
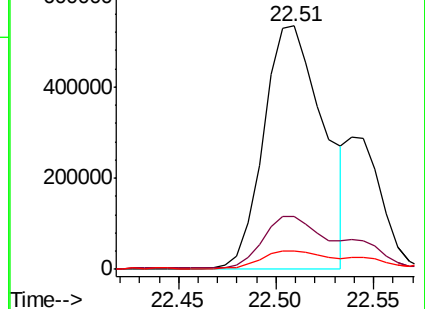
125 7.8 5.1 7.7#



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: 6.121 ng/ul

RT: 23.03 min Scan# 3424

Delta R.T. -0.01 min

Lab File: BM024844.D

Acq: 11 Feb 2020 21:04

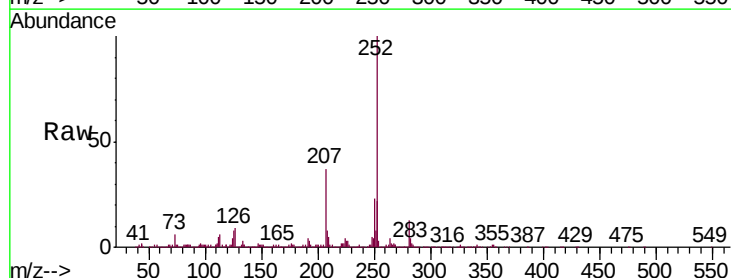
Tgt Ion:252 Resp: 685889

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

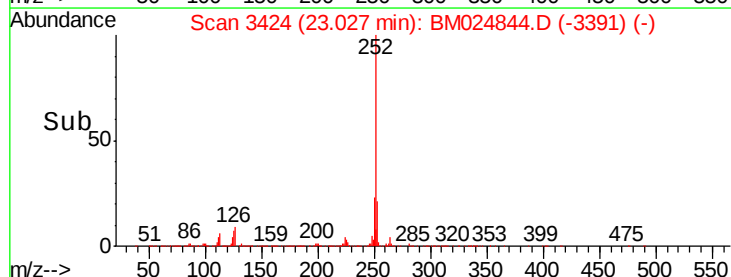
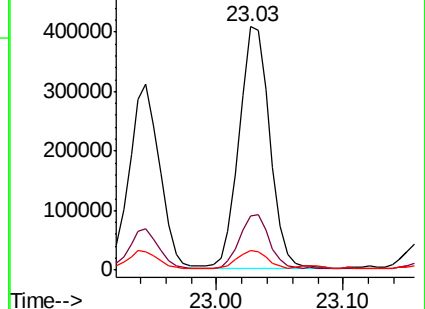
125 8.0 5.6 8.4

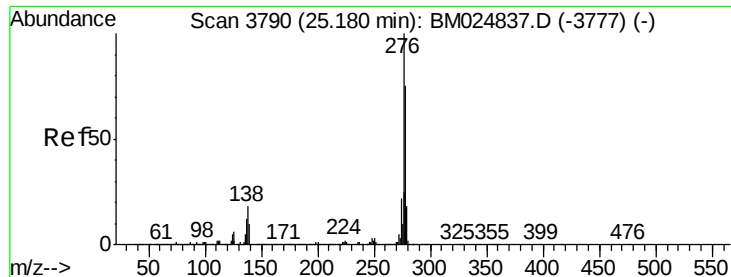


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



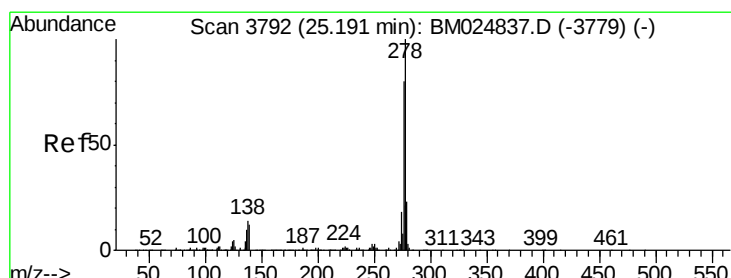
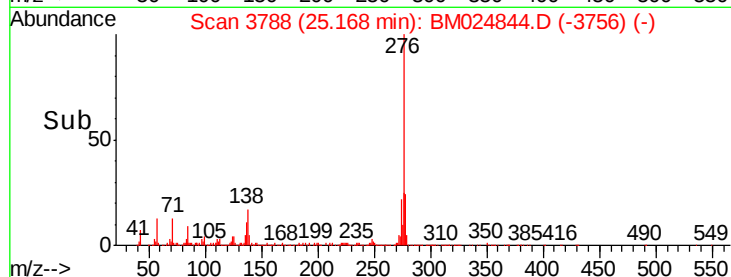
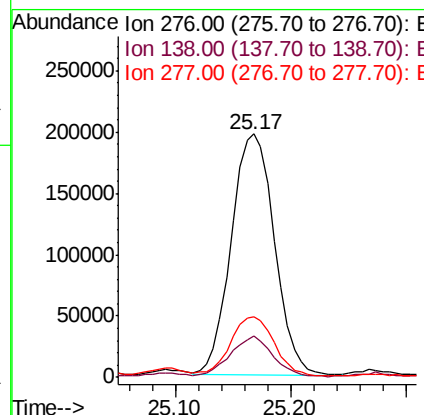
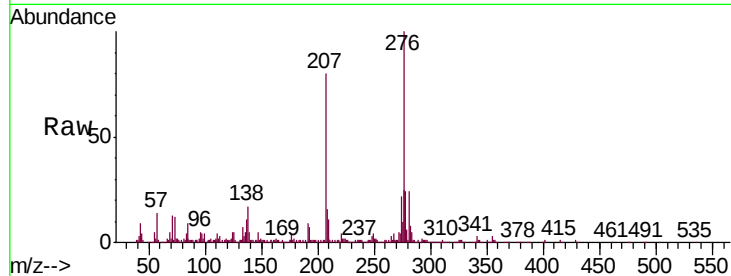


#92

Indeno(1,2,3-cd)pyrene
Concen: 3.679 ng/ul
RT: 25.17 min Scan# 3788
Delta R.T. -0.01 min
Lab File: BM024844.D
Acq: 11 Feb 2020 21:04

Instrument :
BNA_M
ClientSampled :
CB6P6

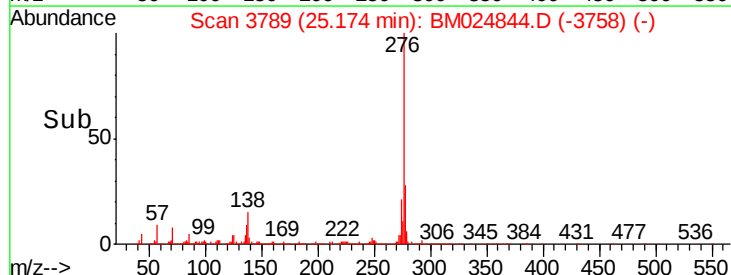
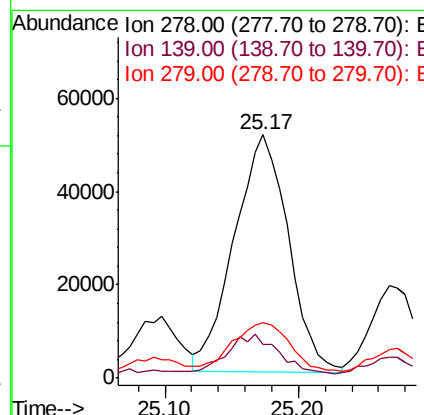
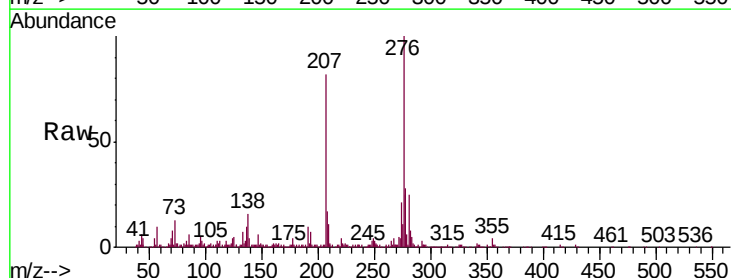
Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.1	12.8	19.2
277	25.0	19.3	28.9

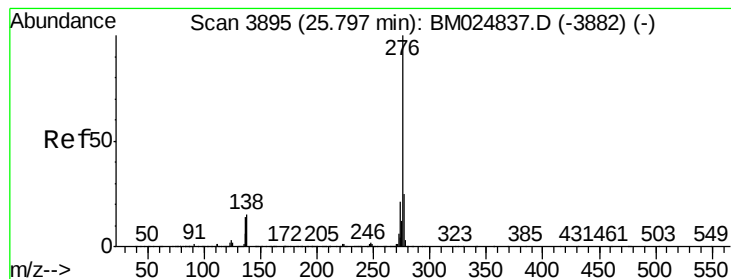


#93

Dibenzo(a,h)anthracene
Concen: 1.211 ng/ul
RT: 25.17 min Scan# 3789
Delta R.T. -0.02 min
Lab File: BM024844.D
Acq: 11 Feb 2020 21:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.8	8.4	12.6#
279	22.6	18.5	27.7





#94

Benzo(g,h,i)perylene

Concen: 3.731 ng/ul

RT: 25.79 min Scan# 3894

Delta R.T. -0.01 min

Lab File: BM024844.D

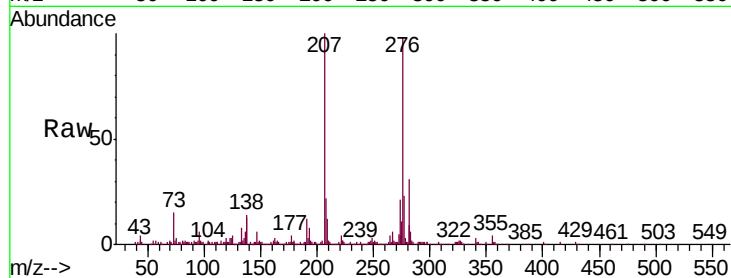
Acq: 11 Feb 2020 21:04

Instrument :

BNA_M

ClientSampleId :

CB6P6



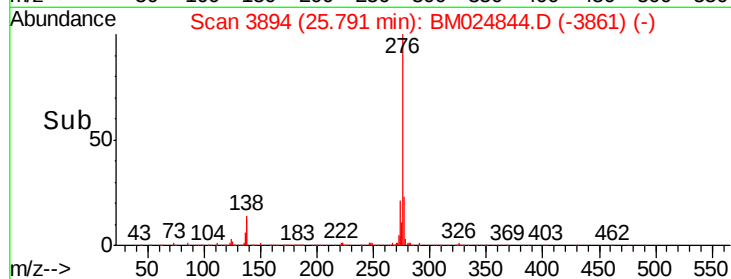
Tgt Ion: 276 Resp: 432865

Ion Ratio Lower Upper

276 100

138 14.5 11.8 17.6

277 23.5 19.0 28.6



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

