

Data File : BM024841.D
Acq On : 11 Feb 2020 19:15
Operator : CG/JU
Sample : L1405-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB6P3

Quant Time: Feb 12 04:42:40 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	318544	20.00	ng/ul	0.00
18) Naphthalene-d8	10.16	136	1266752	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.05	164	798254	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.81	188	1617979	20.00	ng/ul	0.00
78) Chrysene-d12	21.02	240	1511151	20.00	ng/ul	0.00
86) Perylene-d12	23.12	264	1588011	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	28612	4.32	ng/uL	0.00
5) Phenol-d5	6.60	99	514909	24.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	312790	26.17	ng/ul	0.00
9) 2-Chlorophenol-d4	6.94	132	465109	24.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.12	113	427816	23.96	ng/ul	0.00
19) Nitrobenzene-d5	8.54	128	231459	25.27	ng/ul	0.00
22) 2-Nitrophenol-d4	9.26	143	273071	25.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	490172	22.45	ng/ul	0.00
29) 4-Chloroaniline-d4	10.30	131	603765	29.56	ng/ul	0.00
44) Dimethylphthalate-d6	13.48	166	1513334	25.12	ng/ul	0.00
47) Acenaphthylene-d8	13.74	160	1775438	25.23	ng/ul	0.00
52) 4-Nitrophenol-d4	14.28	143	179909	18.37	ng/ul	0.00
58) Fluorene-d10	15.06	176	1276331	23.92	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.19	200	196058	18.59	ng/ul	0.00
71) Anthracene-d10	16.90	188	1843858	24.96	ng/ul	0.00
79) Pyrene-d10	19.22	212	2038901	26.97	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.99	264	2121478	26.60	ng/ul	0.00

Target Compounds

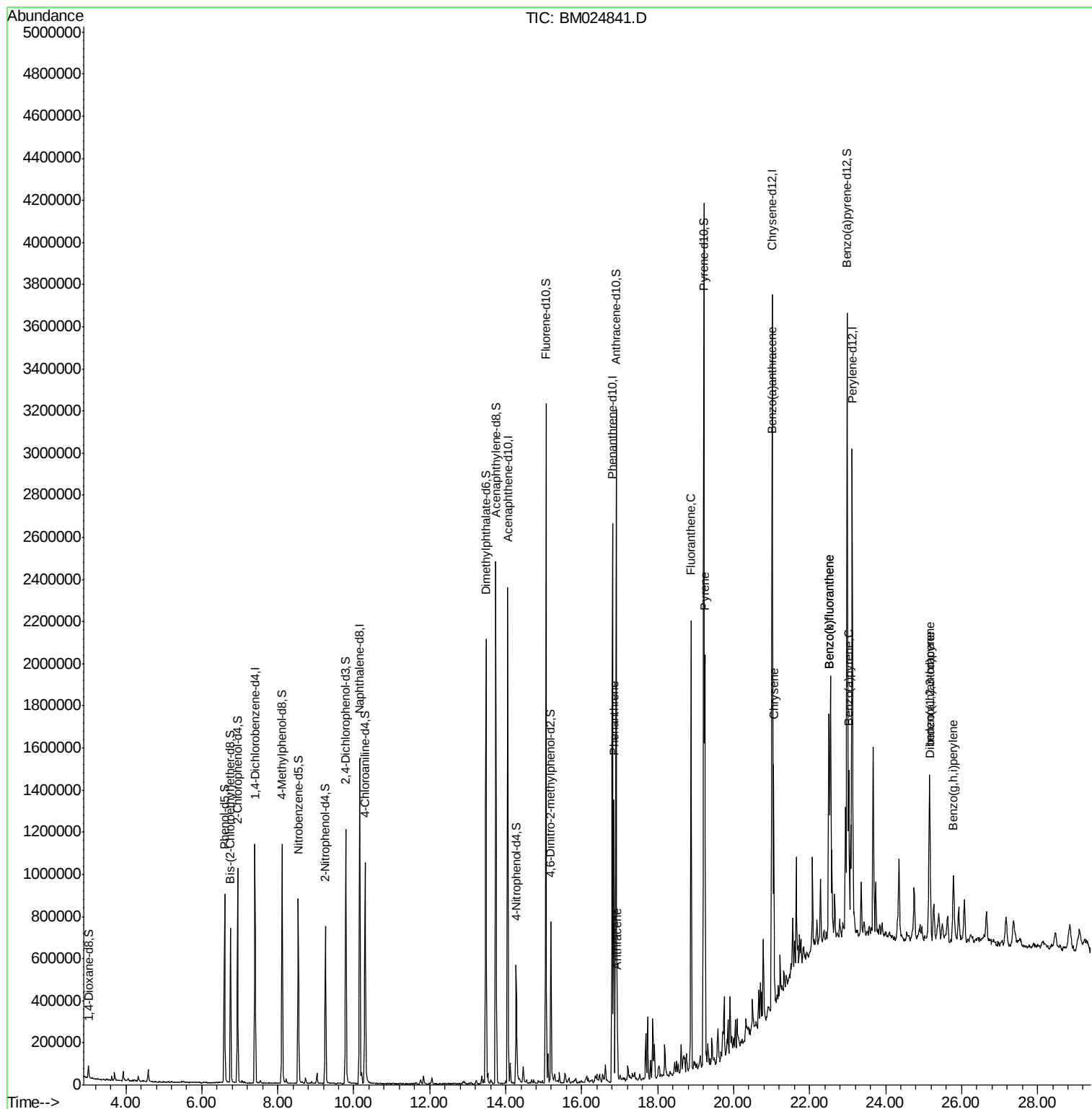
						Qvalue
70) Phenanthrene	16.85	178	831221	9.422	ng/ul	100
72) Anthracene	16.94	178	179743	2.009	ng/ul	100
77) Fluoranthene	18.88	202	1352287	12.487	ng/ul	99
80) Pyrene	19.24	202	1189390	11.891	ng/ul	97
83) Benzo(a)anthracene	21.00	228	701578	6.892	ng/ul	98
85) Chrysene	21.06	228	665160	6.637	ng/ul	100
88) Benzo(b)fluoranthene	22.51	252	908793	9.000	ng/ul	99
89) Benzo(k)fluoranthene	22.51	252	908793	9.350	ng/ul	99
91) Benzo(a)pyrene	23.03	252	562855	6.217	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.17	276	434185	3.852	ng/ul	98
93) Dibenzo(a,h)anthracene	25.17	278	123862	1.290	ng/ul#	95
94) Benzo(g,h,i)perylene	25.79	276	375403	4.005	ng/ul	99

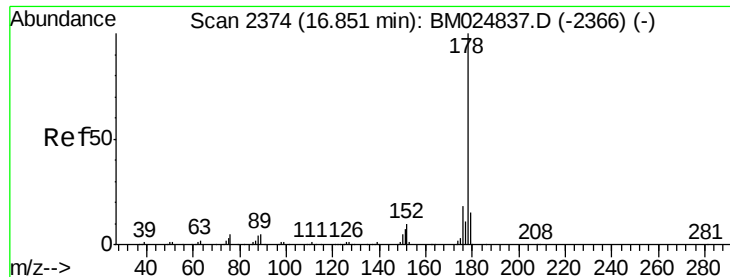
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#70

Phenanthrene

Concen: 9.422 ng/ul

RT: 16.85 min Scan# 2374

Delta R.T. -0.00 min

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BNA_M

ClientSampleId :

CB6P3

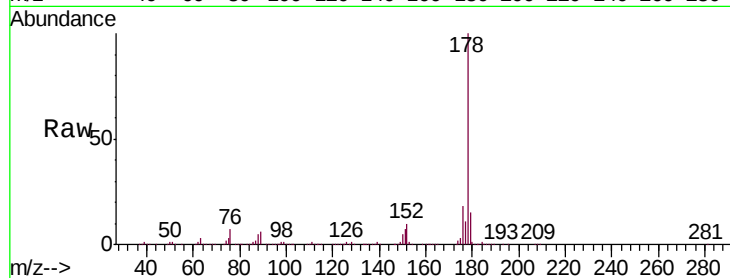
Tgt Ion:178 Resp: 831221

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

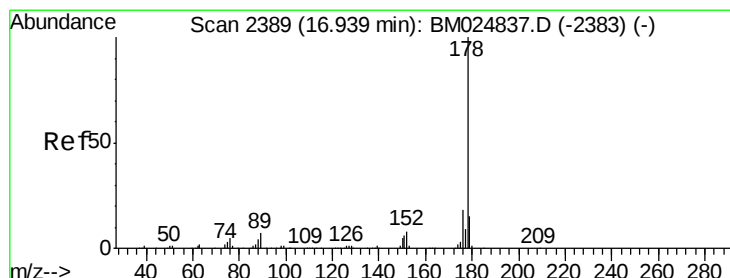
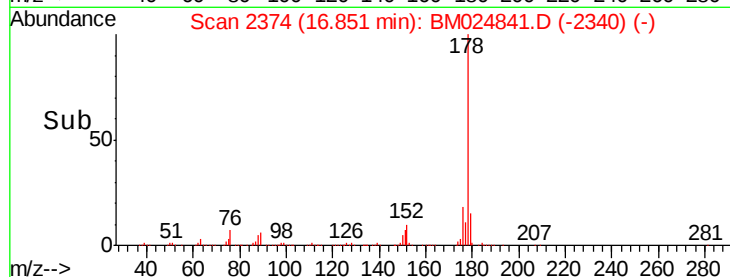
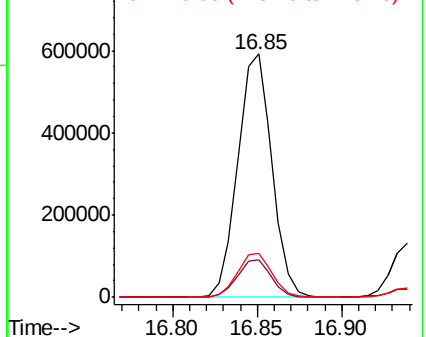
176 18.2 14.5 21.7



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: 2.009 ng/ul

RT: 16.94 min Scan# 2389

Delta R.T. -0.00 min

Lab File: BM024841.D

Acq: 11 Feb 2020 19:15

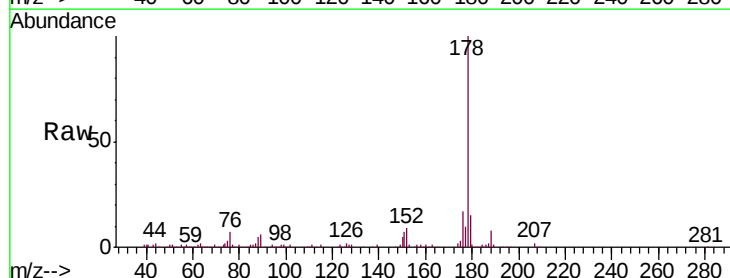
Tgt Ion:178 Resp: 179743

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

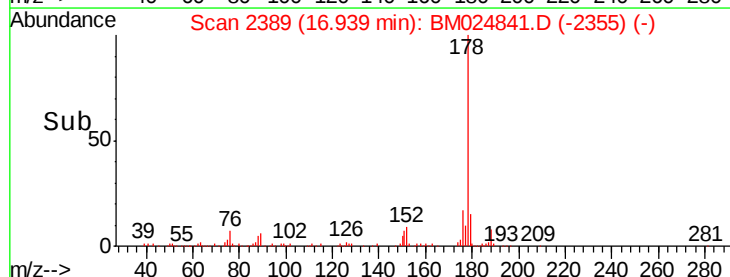
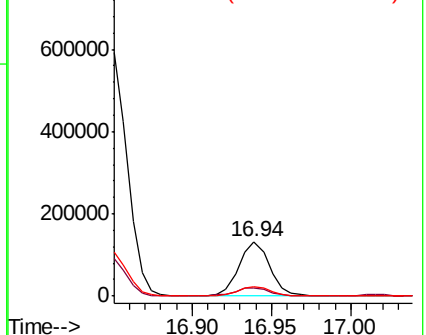
176 17.5 14.1 21.1

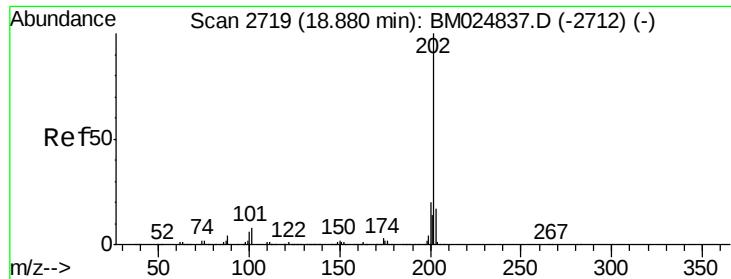


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

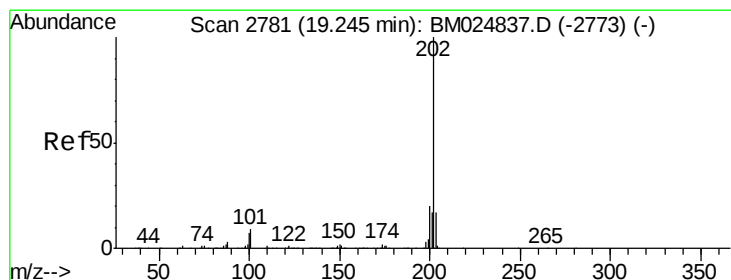
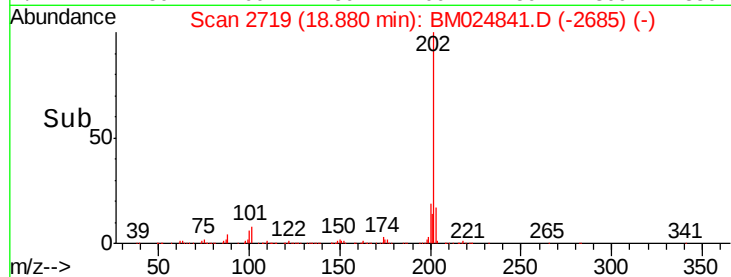
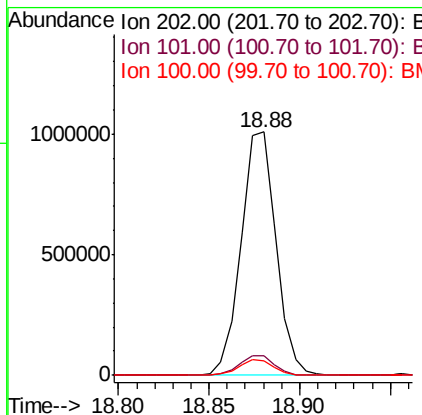
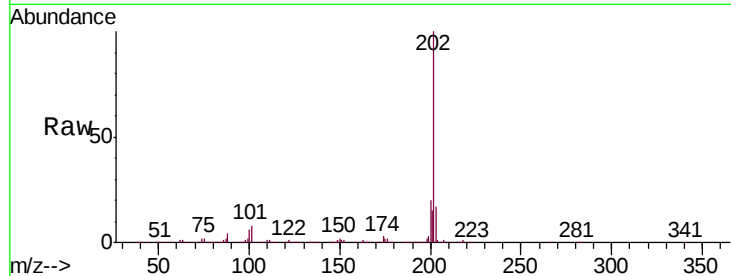




#77
 Fluoranthene
 Concen: 12.487 ng/ul
 RT: 18.88 min Scan# 2719
 Delta R.T. -0.00 min
 Lab File: BM024841.D
 Acq: 11 Feb 2020 19:15

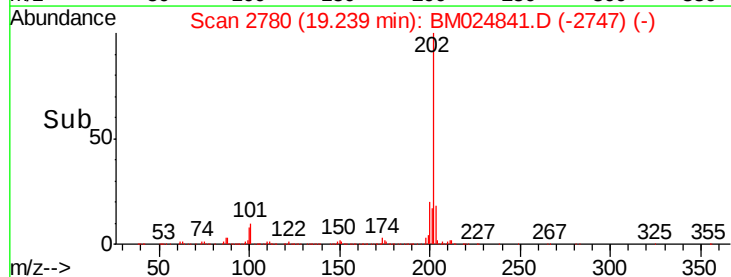
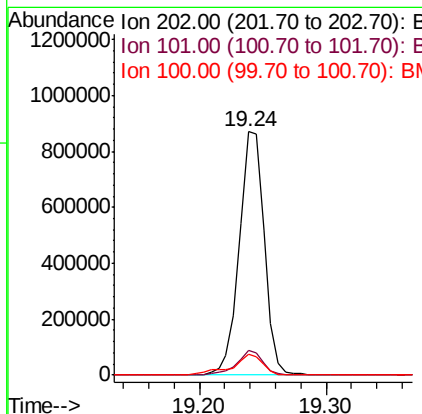
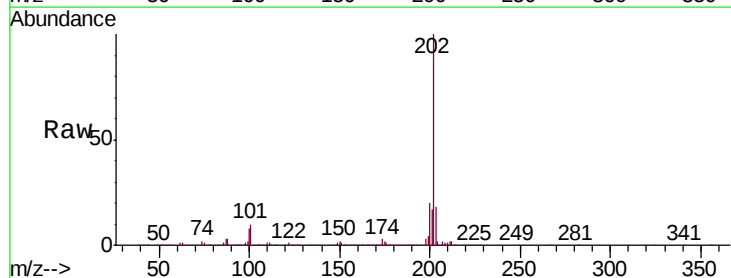
Instrument :
 BNA_M
 ClientSampleId :
 CB6P3

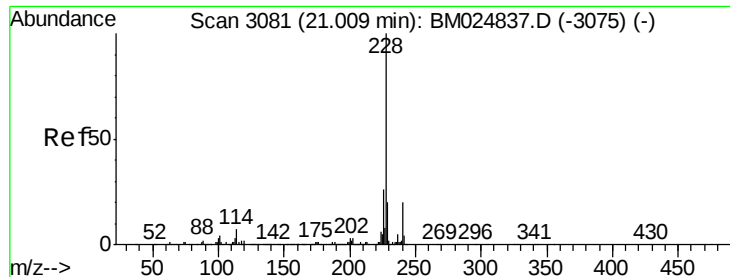
Tgt Ion:202 Resp: 1352287
 Ion Ratio Lower Upper
 202 100
 101 7.8 6.1 9.1
 100 6.2 4.8 7.2



#80
 Pyrene
 Concen: 11.891 ng/ul
 RT: 19.24 min Scan# 2780
 Delta R.T. -0.01 min
 Lab File: BM024841.D
 Acq: 11 Feb 2020 19:15

Tgt Ion:202 Resp: 1189390
 Ion Ratio Lower Upper
 202 100
 101 9.9 7.0 10.4
 100 8.4 5.8 8.8





#83

Benzo(a)anthracene

Concen: 6.892 ng/ul

RT: 21.00 min Scan# 3080

Delta R.T. -0.01 min

Lab File: BM024841.D

Acq: 11 Feb 2020 19:15

Instrument :

BNA_M

ClientSampleId :

CB6P3

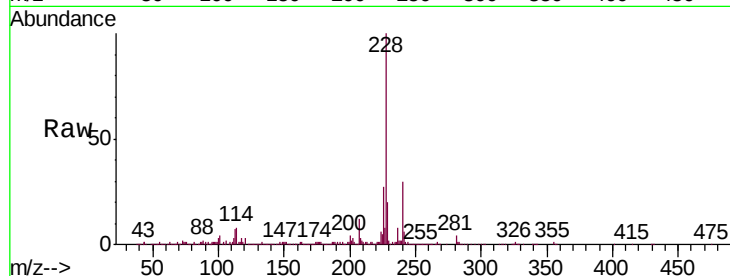
Tgt Ion:228 Resp: 701578

Ion Ratio Lower Upper

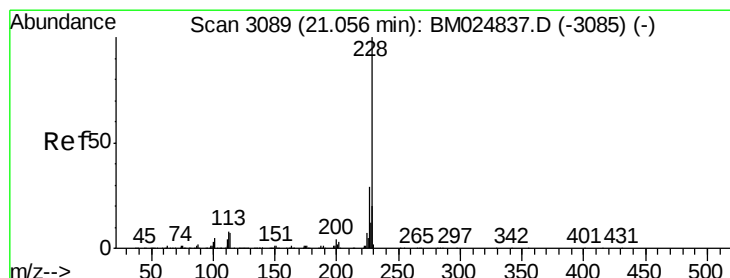
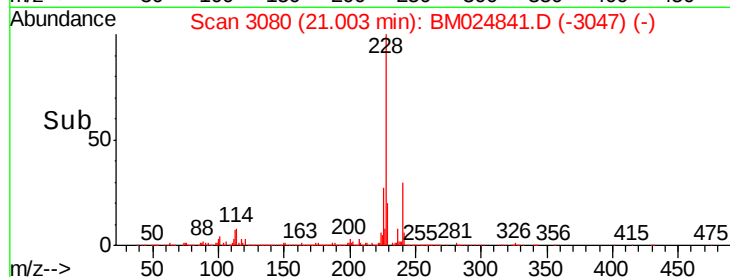
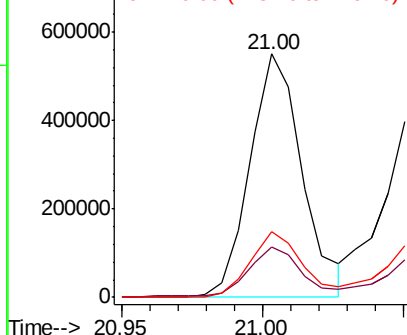
228 100

229 20.5 15.9 23.9

226 26.9 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: 6.637 ng/ul

RT: 21.06 min Scan# 3089

Delta R.T. -0.00 min

Lab File: BM024841.D

Acq: 11 Feb 2020 19:15

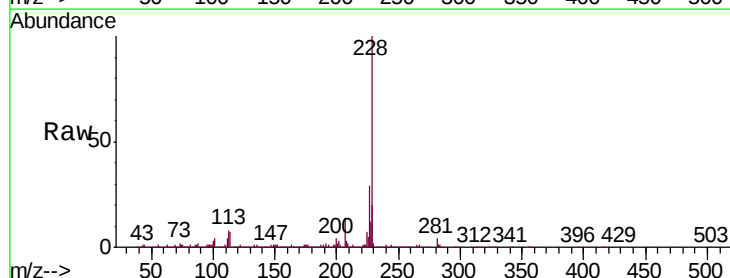
Tgt Ion:228 Resp: 665160

Ion Ratio Lower Upper

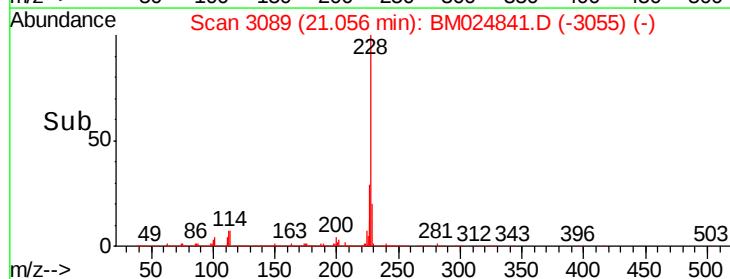
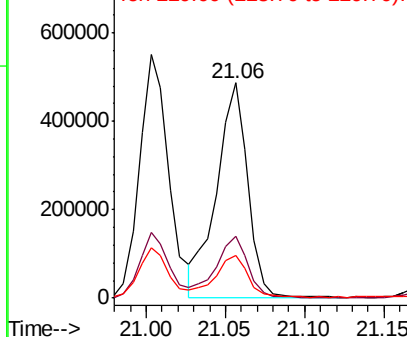
228 100

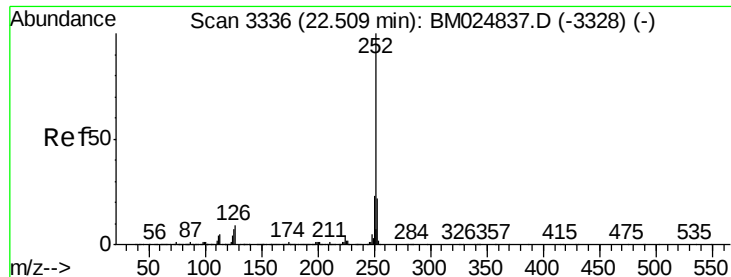
226 28.7 23.0 34.4

229 19.8 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: 9.000 ng/u1

RT: 22.51 min Scan# 3336

Delta R.T. -0.00 min

Lab File: BM024841.D

Acq: 11 Feb 2020 19:15

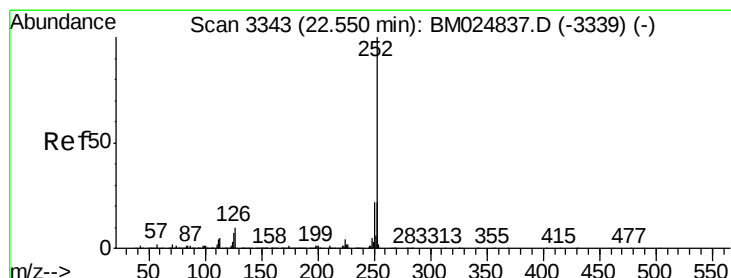
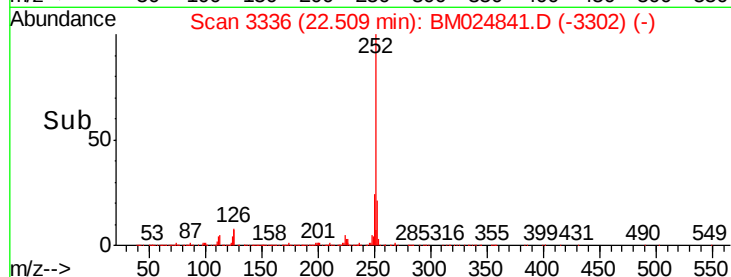
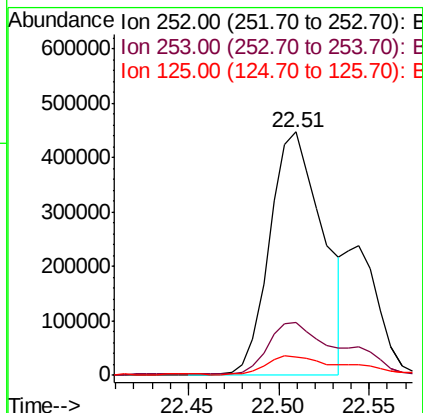
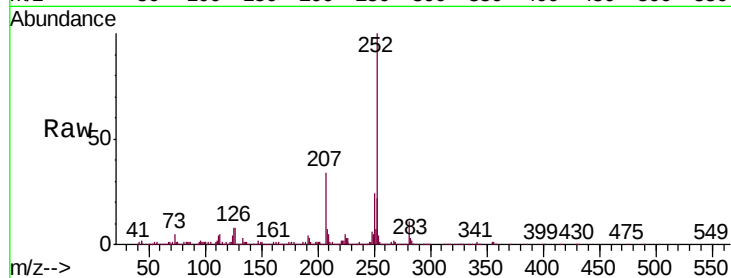
Instrument :

BNA_M

ClientSampleId :

CB6P3

Tgt Ion:	252	Resp:	908793
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.3	25.9
125	7.7	5.1	7.7



#89

Benzo(k)fluoranthene

Concen: 9.350 ng/u1

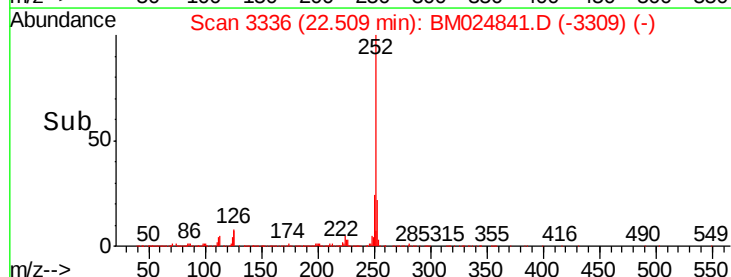
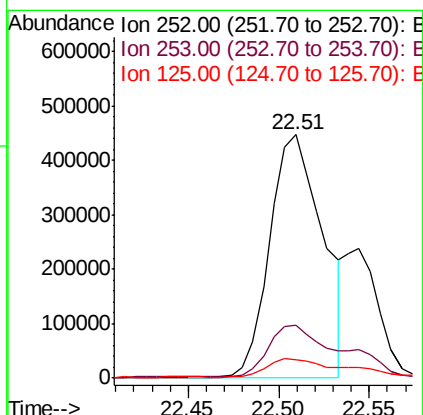
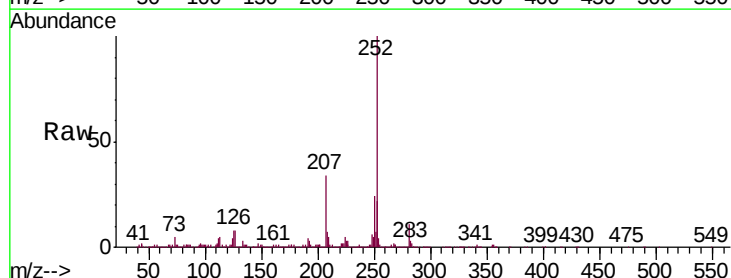
RT: 22.51 min Scan# 3336

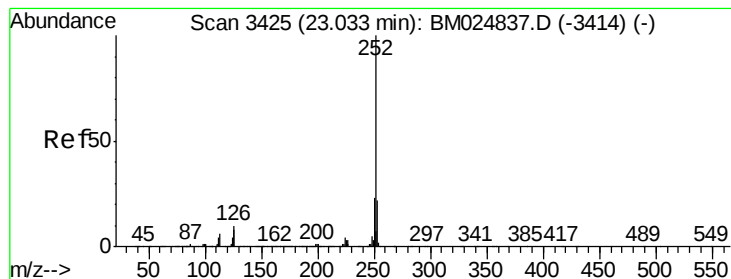
Delta R.T. -0.04 min

Lab File: BM024841.D

Acq: 11 Feb 2020 19:15

Tgt Ion:	252	Resp:	908793
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.4	26.0
125	7.7	5.1	7.7





#91

Benzo(a)pyrene

Concen: 6.217 ng/ul

RT: 23.03 min Scan# 3425

Delta R.T. -0.00 min

Lab File: BM024841.D

Acq: 11 Feb 2020 19:15

Instrument :

BNA_M

ClientSampleId :

CB6P3

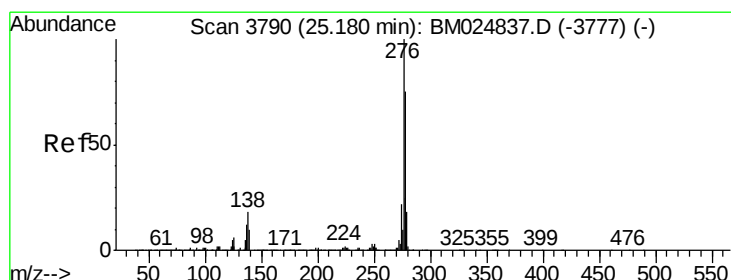
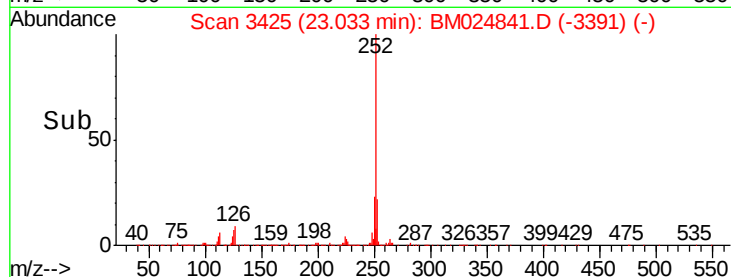
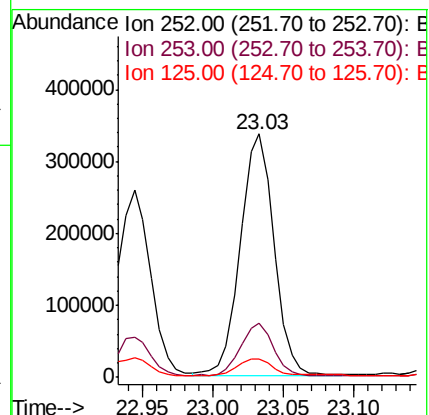
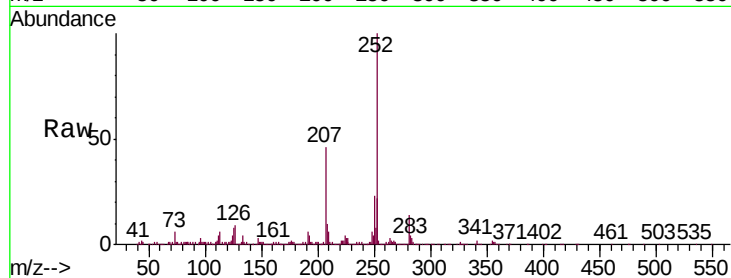
Tgt Ion:252 Resp: 562855

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 7.7 5.6 8.4



#92

Indeno(1,2,3-cd)pyrene

Concen: 3.852 ng/ul

RT: 25.17 min Scan# 3788

Delta R.T. -0.01 min

Lab File: BM024841.D

Acq: 11 Feb 2020 19:15

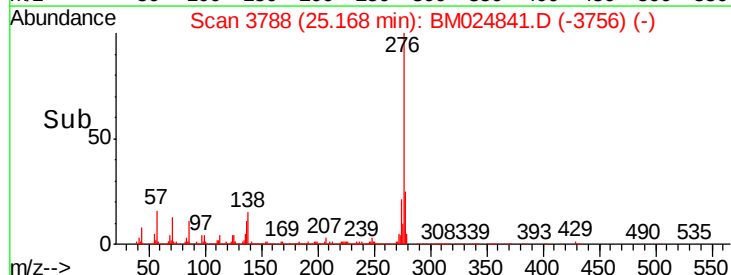
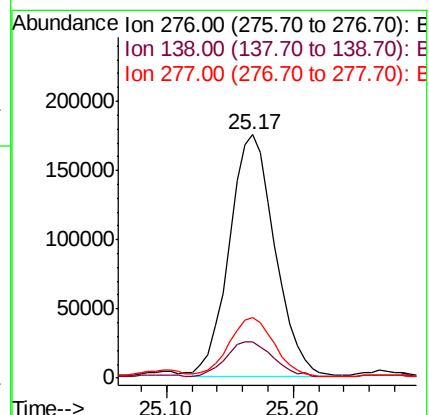
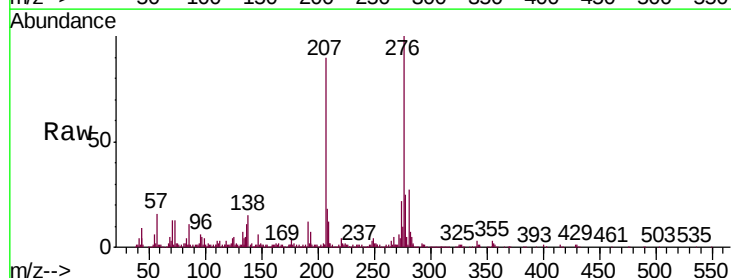
Tgt Ion:276 Resp: 434185

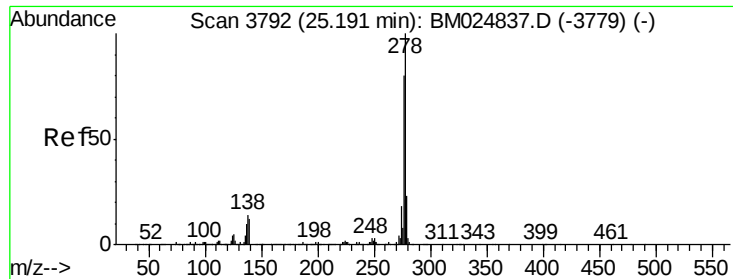
Ion Ratio Lower Upper

276 100

138 14.7 12.8 19.2

277 25.0 19.3 28.9





#93

Dibenzo(a,h)anthracene

Concen: 1.290 ng/ul

RT: 25.17 min Scan# 3789

Delta R.T. -0.02 min

Lab File: BM024841.D

Acq: 11 Feb 2020 19:15

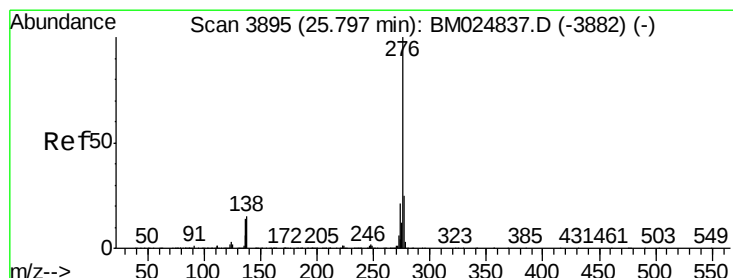
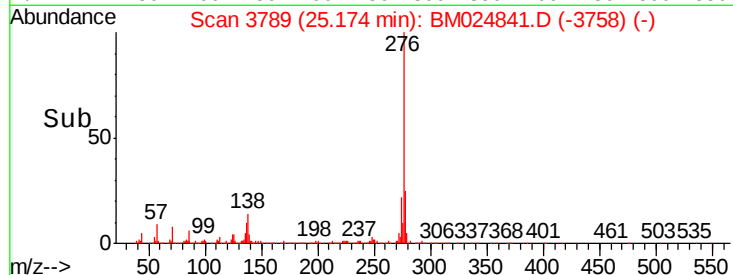
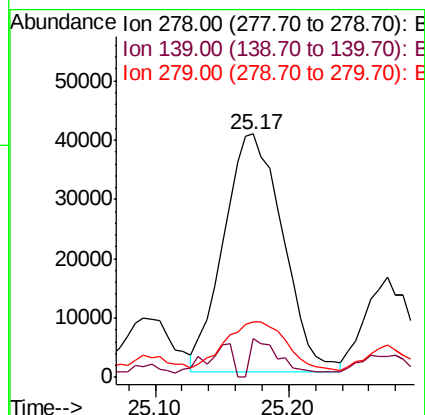
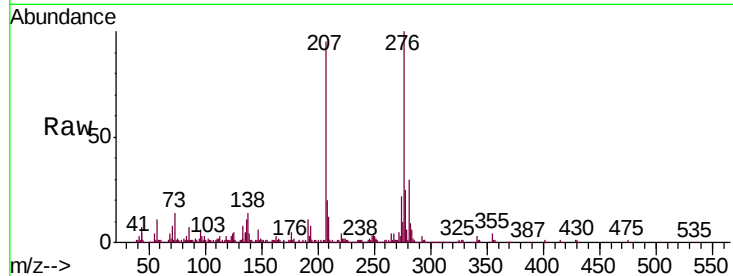
Instrument :

BNA_M

ClientSampled :

CB6P3

Tgt Ion:	278	Resp:	123862
Ion Ratio	Lower	Upper	
278	100		
139	15.9	8.4	12.6#
279	22.8	18.5	27.7



#94

Benzo(g,h,i)perylene

Concen: 4.005 ng/ul

RT: 25.79 min Scan# 3893

Delta R.T. -0.01 min

Lab File: BM024841.D

Acq: 11 Feb 2020 19:15

Tgt Ion:	276	Resp:	375403
Ion Ratio	Lower	Upper	
276	100		
138	14.5	11.8	17.6
277	24.5	19.0	28.6

