

Data File : BM024842.D
Acq On : 11 Feb 2020 19:52
Operator : CG/JU
Sample : L1405-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB6P4

Quant Time: Feb 12 04:42:51 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	309917	20.00	ng/ul	0.00
18) Naphthalene-d8	10.16	136	1195105	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.05	164	773062	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.81	188	1609615	20.00	ng/ul	0.00
78) Chrysene-d12	21.02	240	1589155	20.00	ng/ul	0.00
86) Perylene-d12	23.12	264	1648980	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	25756	4.00	ng/uL	0.00
5) Phenol-d5	6.60	99	470691	22.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	282775	24.32	ng/ul	0.00
9) 2-Chlorophenol-d4	6.94	132	428096	23.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.12	113	396286	22.81	ng/ul	0.00
19) Nitrobenzene-d5	8.54	128	209097	24.20	ng/ul	0.00
22) 2-Nitrophenol-d4	9.26	143	244296	23.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	444901	21.60	ng/ul	0.00
29) 4-Chloroaniline-d4	10.30	131	550403	28.56	ng/ul	0.00
44) Dimethylphthalate-d6	13.48	166	1400206	23.99	ng/ul	0.00
47) Acenaphthylene-d8	13.74	160	1639270	24.05	ng/ul	0.00
52) 4-Nitrophenol-d4	14.28	143	175286	18.49	ng/ul	0.00
58) Fluorene-d10	15.06	176	1199230	23.21	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.19	200	193607	18.45	ng/ul	0.00
71) Anthracene-d10	16.90	188	1804872	24.56	ng/ul	0.00
79) Pyrene-d10	19.22	212	2067893	26.01	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.99	264	2212638	26.72	ng/ul	0.00

Target Compounds

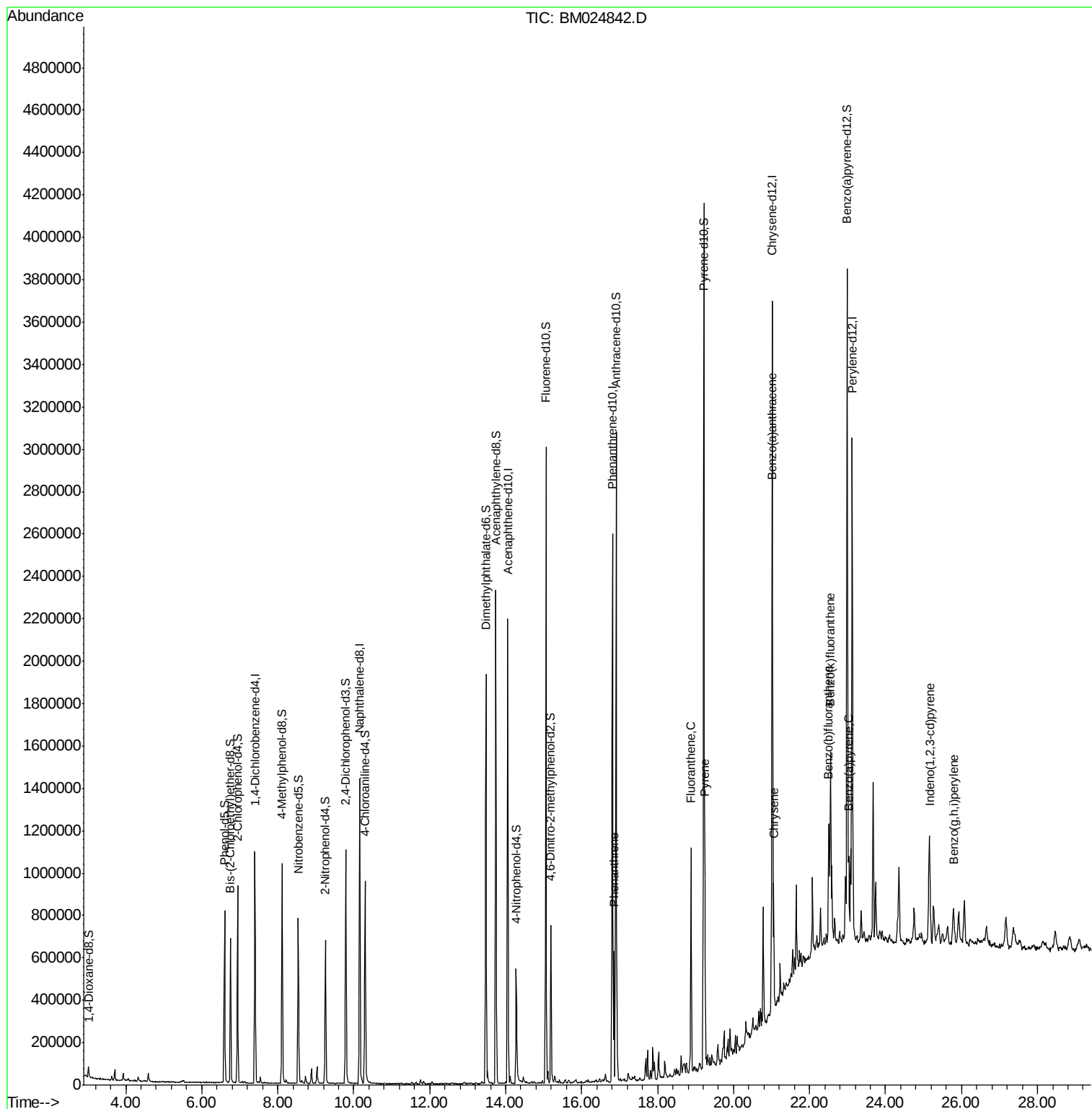
					Qvalue	
70) Phenanthrene	16.85	178	375071	4.274	ng/ul	100
77) Fluoranthene	18.87	202	669823	6.217	ng/ul	97
80) Pyrene	19.24	202	608605	5.786	ng/ul	97
83) Benzo(a)anthracene	21.00	228	342942	3.204	ng/ul	100
85) Chrysene	21.06	228	345782	3.281	ng/ul	99
88) Benzo(b)fluoranthene	22.50	252	468564	4.469	ng/ul#	98
89) Benzo(k)fluoranthene	22.54	252	149654	1.483	ng/ul#	95
91) Benzo(a)pyrene	23.03	252	282619	3.006	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.17	276	221041	1.889	ng/ul#	97
94) Benzo(g,h,i)perylene	25.79	276	191053	1.963	ng/ul	98

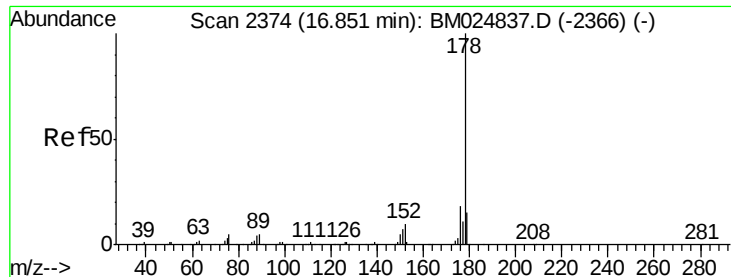
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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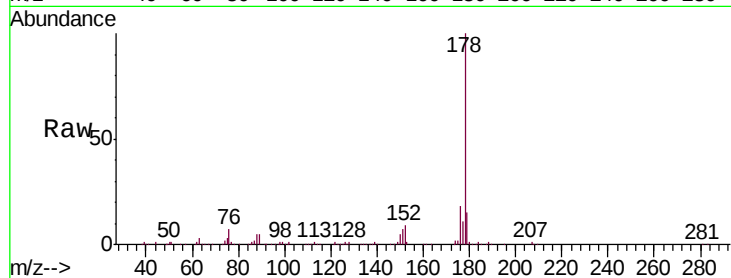




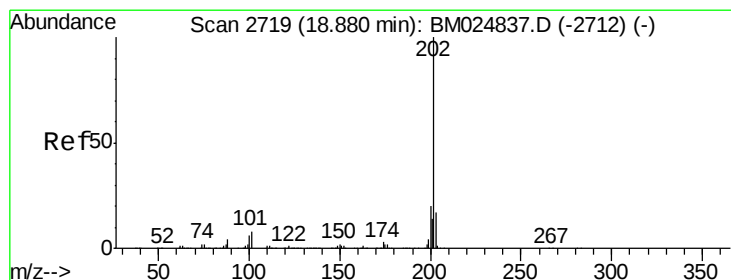
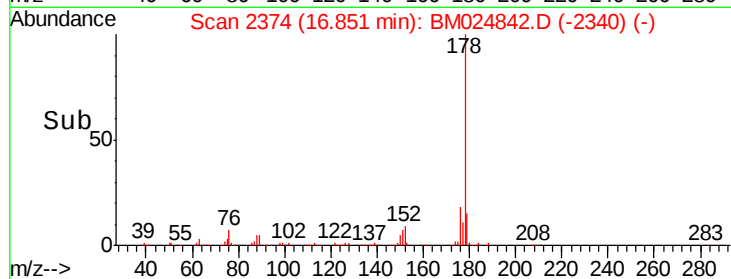
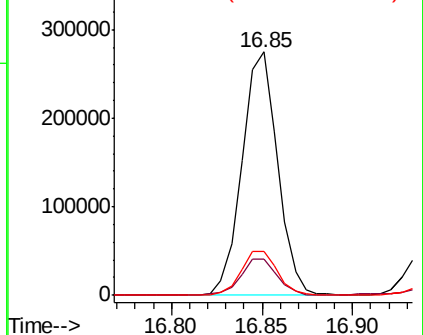
#70
Phenanthrene
Concen: 4.274 ng/ul
RT: 16.85 min Scan# 2374
Delta R.T. 0.00 min
Lab File: BM024842.D
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Instrument :
BNA_M
ClientSampleId :
CB6P4

Tgt Ion:178 Resp: 375071
Ion Ratio Lower Upper
178 100
179 14.9 12.2 18.2
176 18.2 14.5 21.7

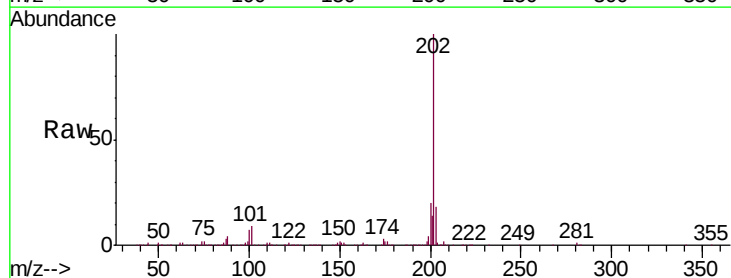


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

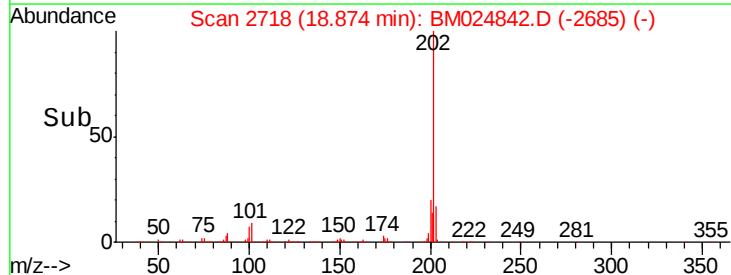
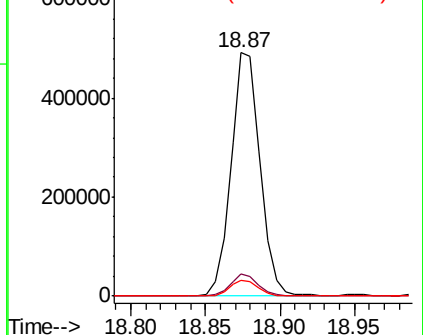


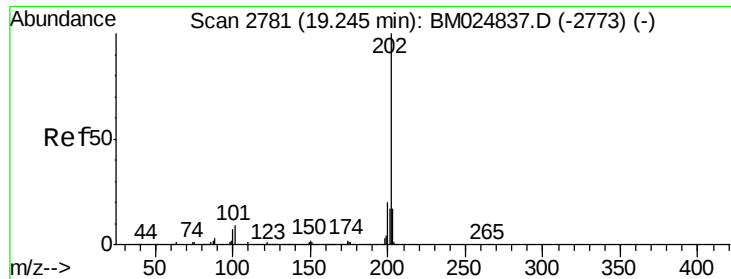
#77
Fluoranthene
Concen: 6.217 ng/ul
RT: 18.87 min Scan# 2718
Delta R.T. -0.01 min
Lab File: BM024842.D
Acq: 11 Feb 2020 19:52

Tgt Ion:202 Resp: 669823
Ion Ratio Lower Upper
202 100
101 9.1 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

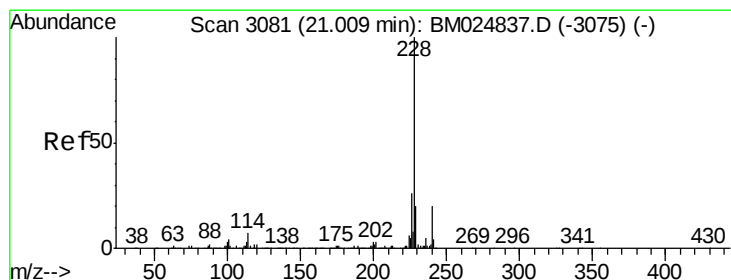
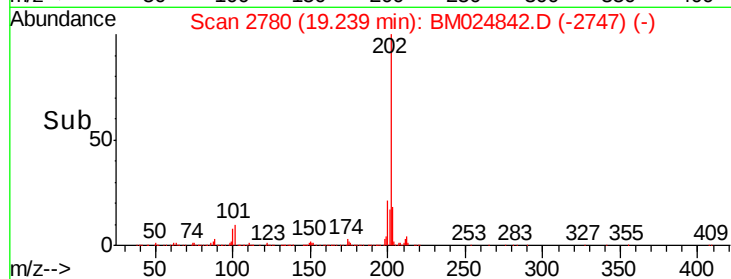
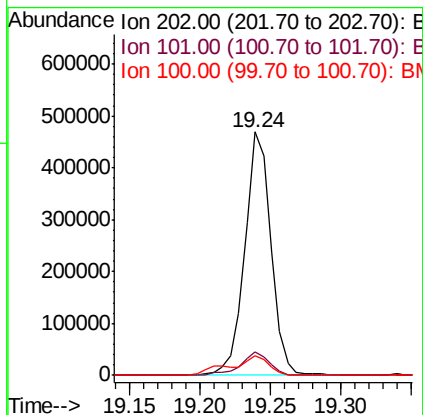




#80
 Pyrene
 Concen: 5.786 ng/u1
 RT: 19.24 min Scan# 2780
 Delta R.T. -0.01 min
 Lab File: BM024842.D
 Acq: 11 Feb 2020 19:52

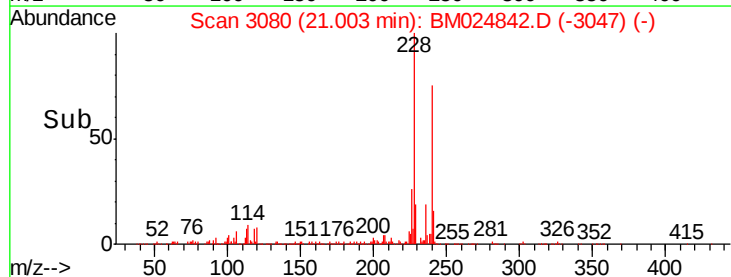
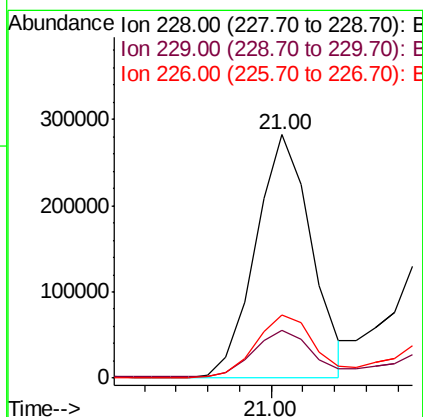
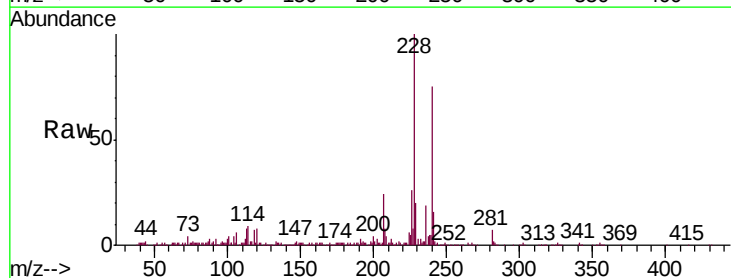
Instrument :
 BNA_M
 ClientSampleId :
 CB6P4

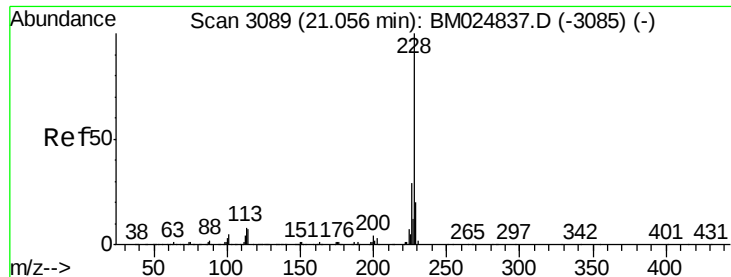
Tgt Ion:	202	Resp:	608605
Ion	Ratio	Lower	Upper
202	100		
101	9.9	7.0	10.4
100	8.1	5.8	8.8



#83
 Benzo(a)anthracene
 Concen: 3.204 ng/u1
 RT: 21.00 min Scan# 3080
 Delta R.T. -0.01 min
 Lab File: BM024842.D
 Acq: 11 Feb 2020 19:52

Tgt Ion:	228	Resp:	342942
Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.9	23.9
226	26.1	20.8	31.2





#85

Chrysene

Concen: 3.281 ng/u1

RT: 21.06 min Scan# 3089

Delta R.T. 0.00 min

Lab File: BM024842.D

Acq: 11 Feb 2020 19:52

Instrument :

BNA_M

ClientSampleId :

CB6P4

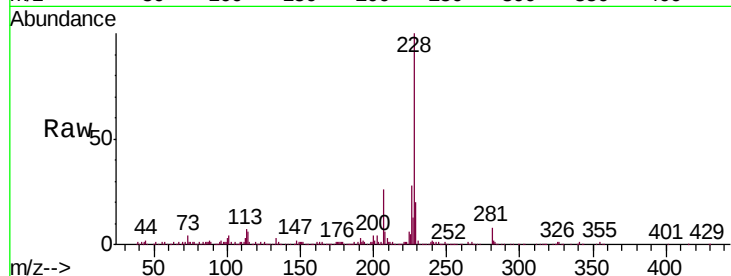
Tgt Ion:228 Resp: 345782

Ion Ratio Lower Upper

228 100

226 28.2 23.0 34.4

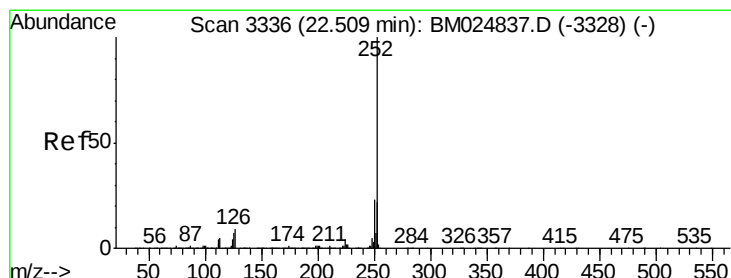
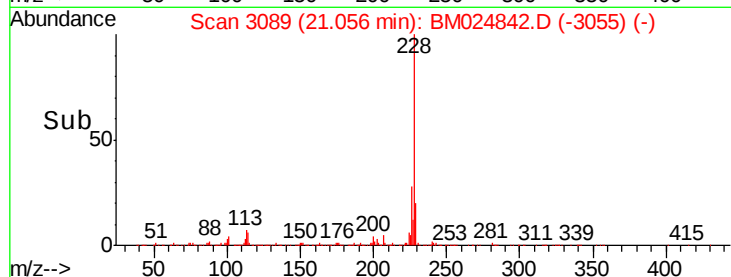
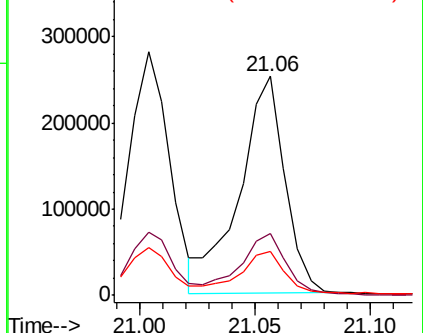
229 20.0 15.8 23.8



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: 4.469 ng/u1

RT: 22.50 min Scan# 3335

Delta R.T. -0.01 min

Lab File: BM024842.D

Acq: 11 Feb 2020 19:52

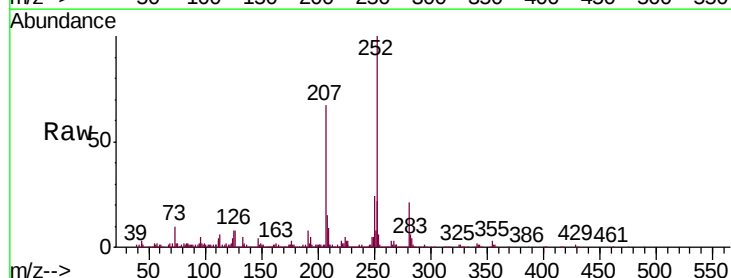
Tgt Ion:252 Resp: 468564

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

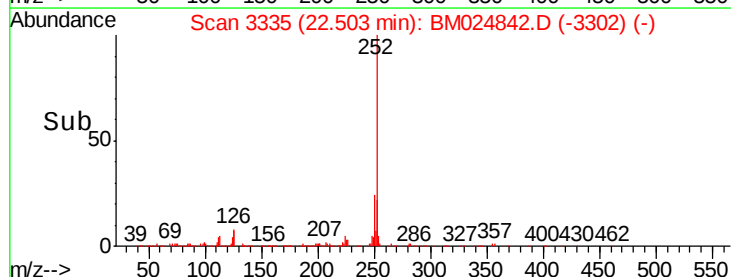
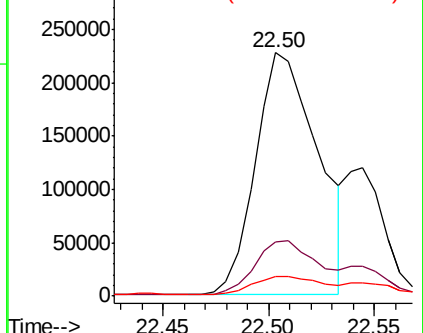
125 8.0 5.1 7.7#

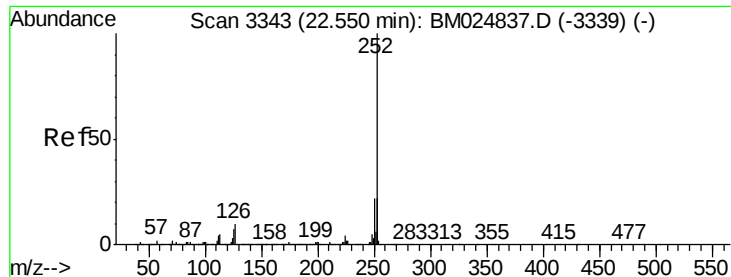


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 1.483 ng/ul

RT: 22.54 min Scan# 3342

Delta R.T. -0.01 min

Lab File: BM024842.D

Acq: 11 Feb 2020 19:52

Instrument :

BNA_M

ClientSampleId :

CB6P4

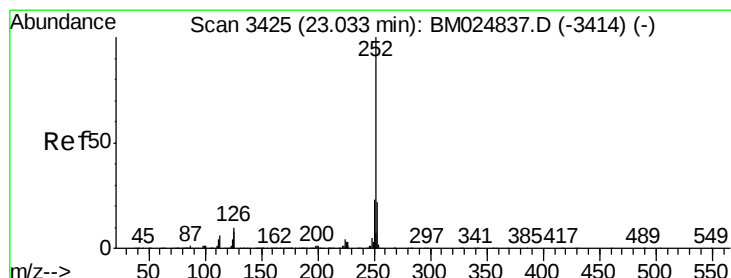
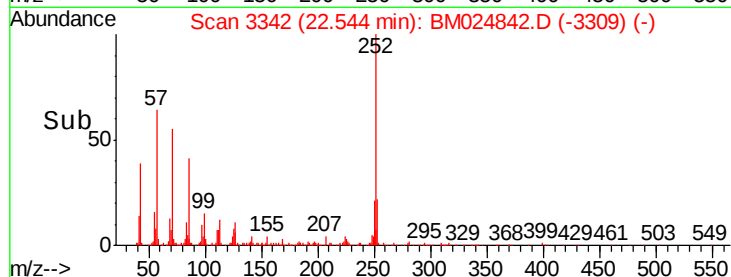
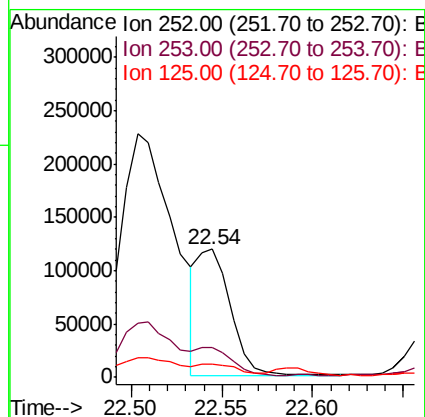
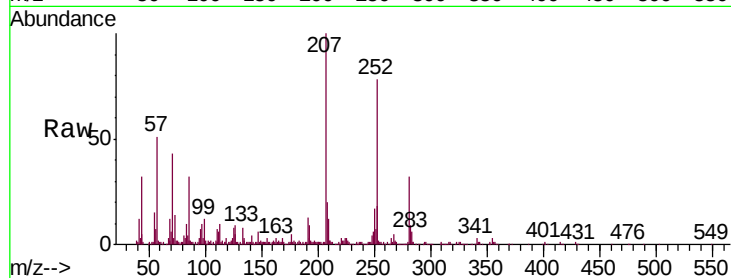
Tgt Ion:252 Resp: 149654

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 10.0 5.1 7.7#



#91

Benzo(a)pyrene

Concen: 3.006 ng/ul

RT: 23.03 min Scan# 3425

Delta R.T. 0.00 min

Lab File: BM024842.D

Acq: 11 Feb 2020 19:52

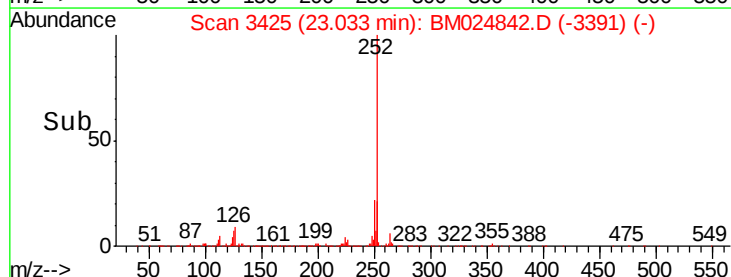
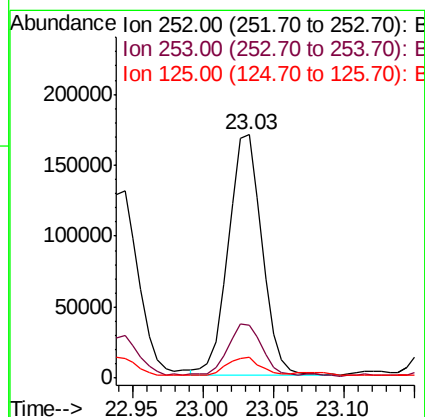
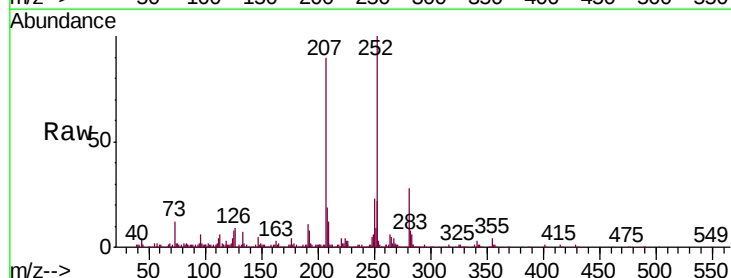
Tgt Ion:252 Resp: 282619

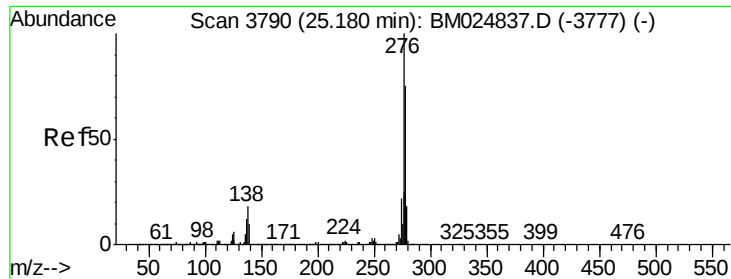
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 8.3 5.6 8.4



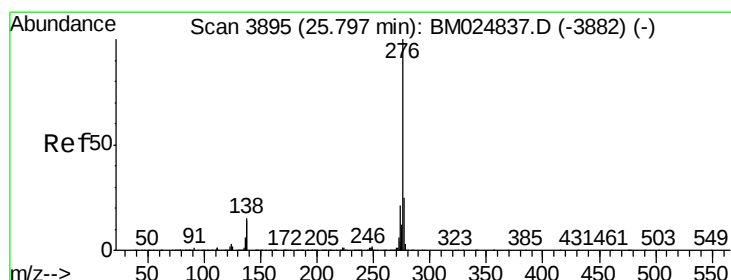
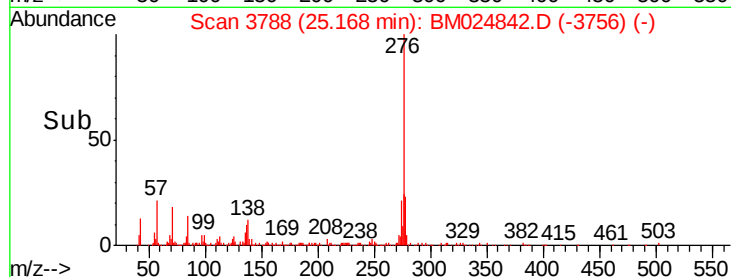
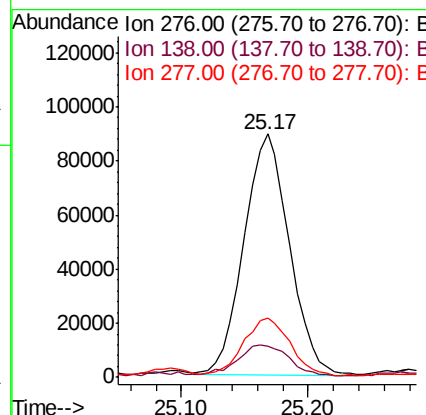
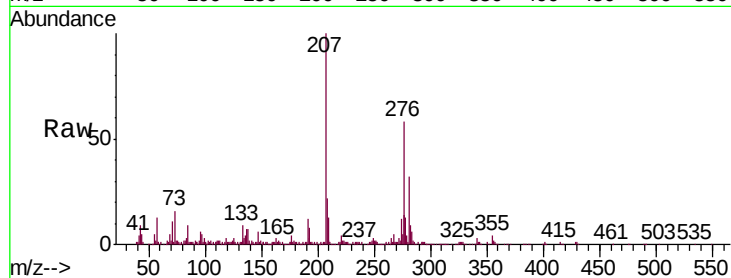


#92

Indeno(1,2,3-cd)pyrene
Concen: 1.889 ng/ul
RT: 25.17 min Scan# 3788
Delta R.T. -0.01 min
Lab File: BM024842.D
Acq: 11 Feb 2020 19:52

Instrument :
BNA_M
ClientSampleId :
CB6P4

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.6	12.8	19.2#
277	24.2	19.3	28.9



#94

Benzo(g,h,i)perylene
Concen: 1.963 ng/ul
RT: 25.79 min Scan# 3894
Delta R.T. -0.01 min
Lab File: BM024842.D
Acq: 11 Feb 2020 19:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.1	11.8	17.6
277	23.7	19.0	28.6

