

Data File : BM024840.D
Acq On : 11 Feb 2020 18:39
Operator : CG/JU
Sample : L1405-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB6P2

Quant Time: Feb 12 04:42:30 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	334343	20.00	ng/ul	0.00
18) Naphthalene-d8	10.16	136	1300851	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.05	164	824131	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.81	188	1677439	20.00	ng/ul	0.00
78) Chrysene-d12	21.02	240	1572403	20.00	ng/ul	0.00
86) Perylene-d12	23.12	264	1649829	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.01	96	28958	4.17	ng/uL	0.00
5) Phenol-d5	6.60	99	508399	22.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	306429	24.43	ng/ul	0.00
9) 2-Chlorophenol-d4	6.94	132	464827	23.36	ng/ul	0.00
13) 4-Methylphenol-d8	8.12	113	423474	22.60	ng/ul	0.00
19) Nitrobenzene-d5	8.54	128	228050	24.24	ng/ul	0.00
22) 2-Nitrophenol-d4	9.26	143	272067	24.48	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	488099	21.77	ng/ul	0.00
29) 4-Chloroaniline-d4	10.30	131	600535	28.63	ng/ul	0.00
44) Dimethylphthalate-d6	13.48	166	1537710	24.72	ng/ul	0.00
47) Acenaphthylene-d8	13.74	160	1781085	24.52	ng/ul	0.00
52) 4-Nitrophenol-d4	14.27	143	190211	18.82	ng/ul	0.00
58) Fluorene-d10	15.06	176	1310087	23.78	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.19	200	207788	19.00	ng/ul	0.00
71) Anthracene-d10	16.90	188	1942595	25.37	ng/ul	0.00
79) Pyrene-d10	19.22	212	2136601	27.17	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.99	264	2233519	26.95	ng/ul	0.00

Target Compounds

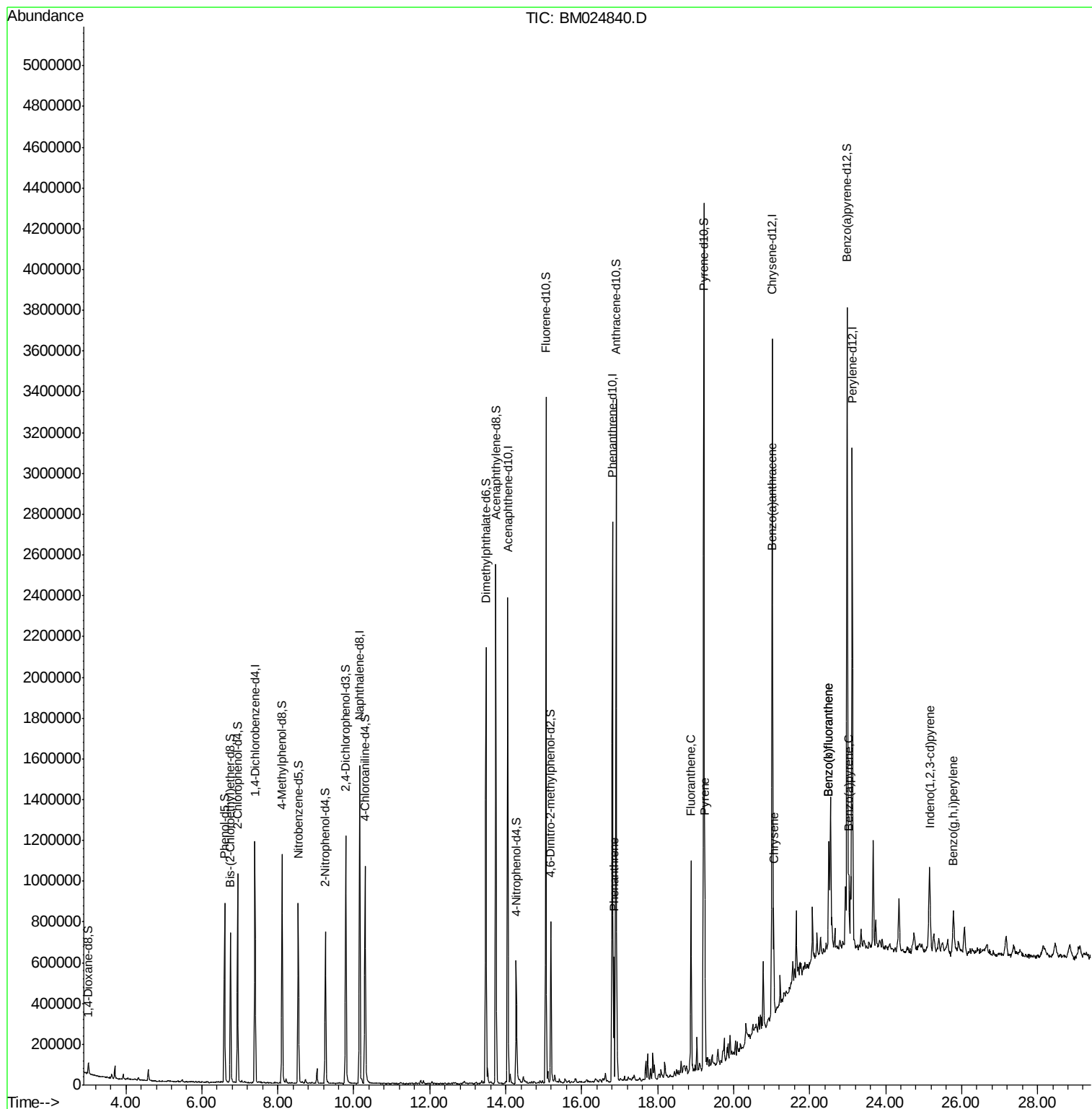
					Qvalue
70) Phenanthrene	16.85	178	378999	4.144 ng/ul	99
77) Fluoranthene	18.87	202	644735	5.742 ng/ul	98
80) Pyrene	19.24	202	572781	5.503 ng/ul	97
83) Benzo(a)anthracene	21.00	228	319509	3.017 ng/ul	99
85) Chrysene	21.06	228	296456	2.843 ng/ul	99
88) Benzo(b)fluoranthene	22.51	252	437963	4.175 ng/ul#	96
89) Benzo(k)fluoranthene	22.51	252	437963	4.337 ng/ul#	97
91) Benzo(a)pyrene	23.03	252	246521	2.621 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.17	276	241972	2.066 ng/ul	99
94) Benzo(g,h,i)perylene	25.79	276	229023	2.352 ng/ul	99

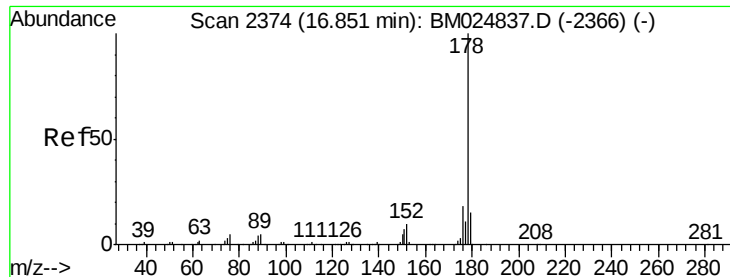
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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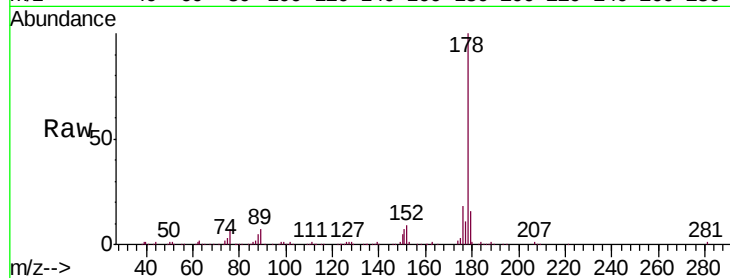




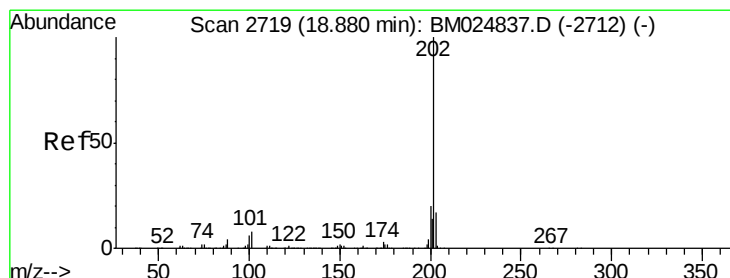
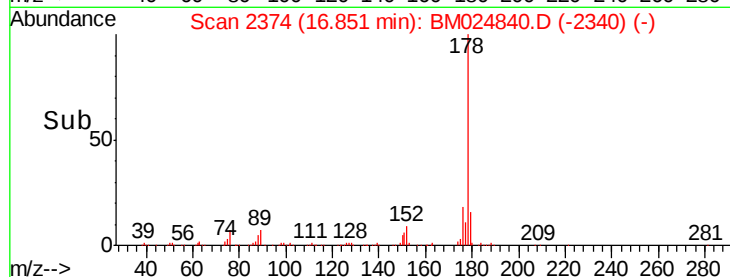
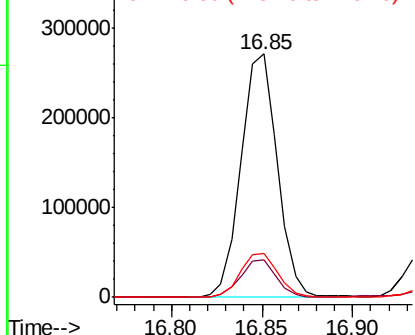
#70
Phenanthrene
Concen: 4.144 ng/ul
RT: 16.85 min Scan# 2374
Delta R.T. 0.00 min
Lab File: BM024840.D
Acq: 11 Feb 2020 18:39

Instrument :
BNA_M
ClientSampleId :
CB6P2

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.2	18.2
176	17.9	14.5	21.7

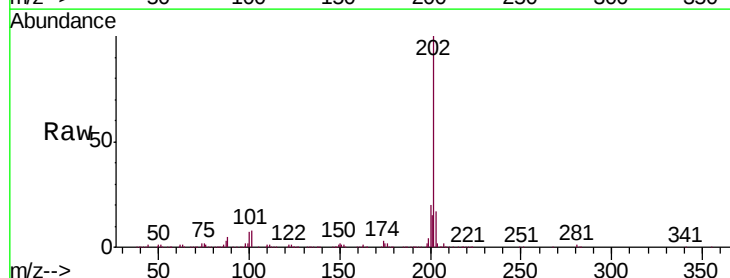


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

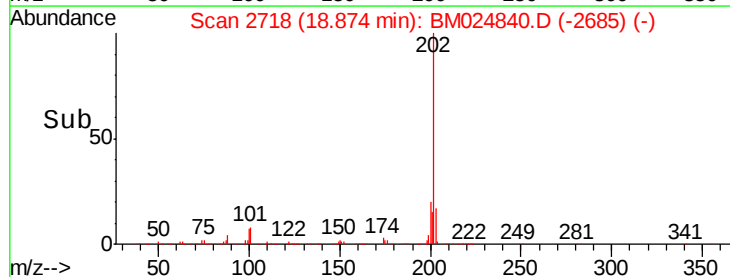
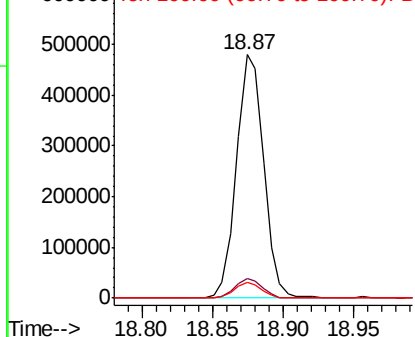


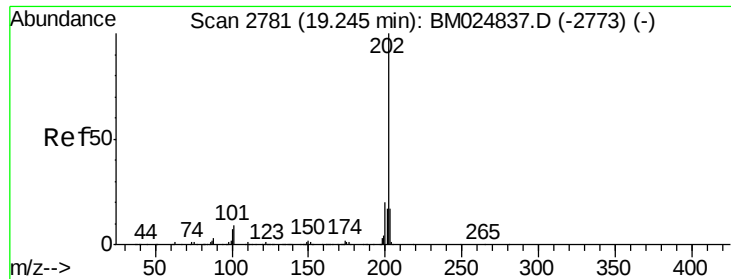
#77
Fluoranthene
Concen: 5.742 ng/ul
RT: 18.87 min Scan# 2718
Delta R.T. -0.01 min
Lab File: BM024840.D
Acq: 11 Feb 2020 18:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	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): B





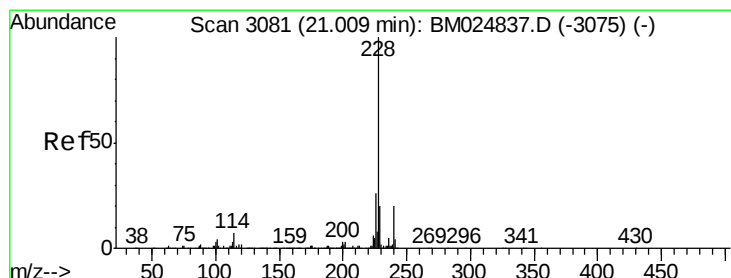
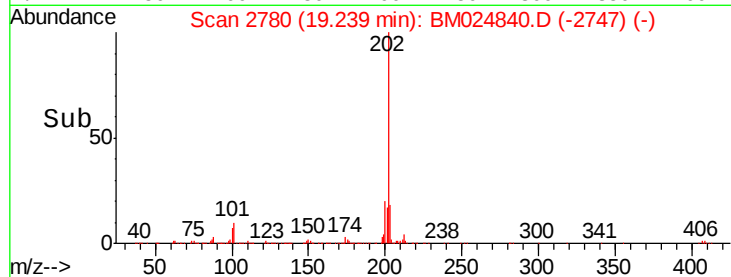
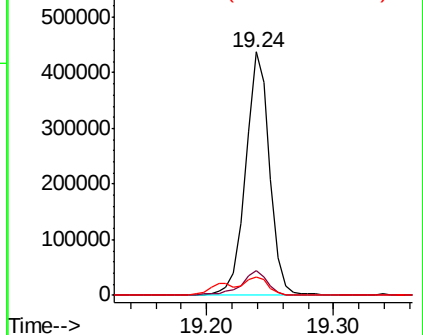
#80
 Pyrene
 Concen: 5.503 ng/ul
 RT: 19.24 min Scan# 2780
 Delta R.T. -0.01 min
 Lab File: BM024840.D
 Acq: 11 Feb 2020 18:39

Instrument :
 BNA_M
 ClientSampled :
 CB6P2

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	7.0	10.4
100	7.6	5.8	8.8

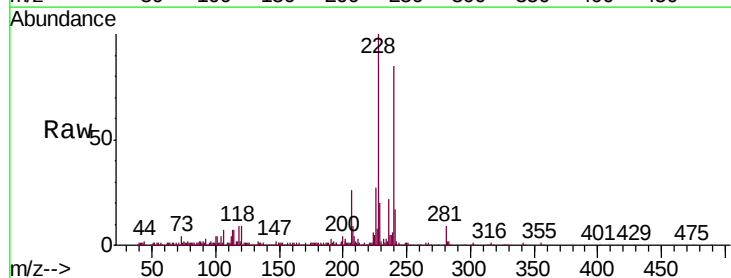


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

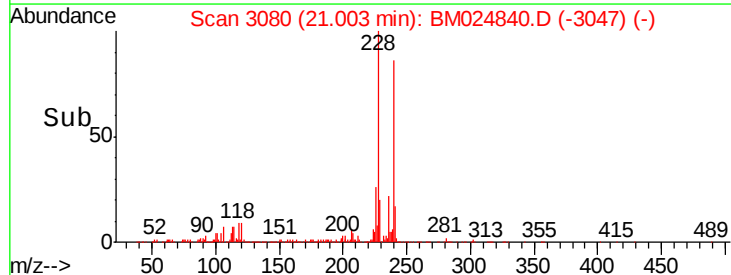
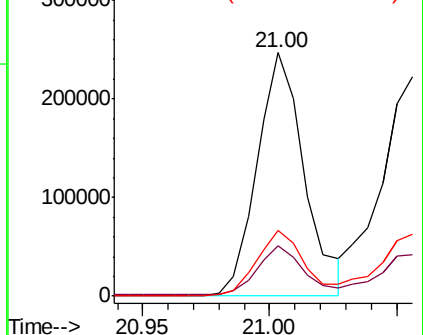


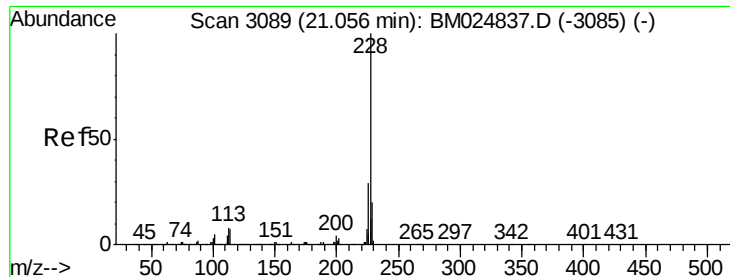
#83
 Benzo(a)anthracene
 Concen: 3.017 ng/ul
 RT: 21.00 min Scan# 3080
 Delta R.T. -0.01 min
 Lab File: BM024840.D
 Acq: 11 Feb 2020 18:39

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.9	23.9
226	26.8	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: 2.843 ng/ul

RT: 21.06 min Scan# 3089

Delta R.T. 0.00 min

Lab File: BM024840.D

Acq: 11 Feb 2020 18:39

Instrument :

BNA_M

ClientSampleId :

CB6P2

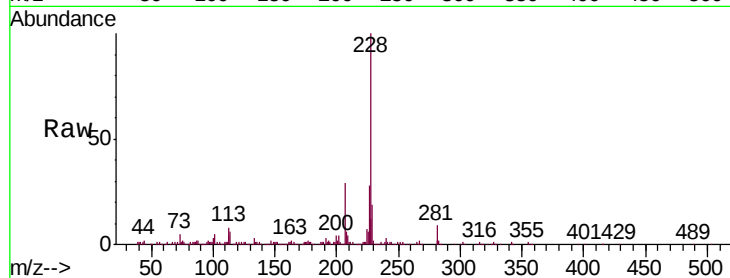
Tgt Ion:228 Resp: 296456

Ion Ratio Lower Upper

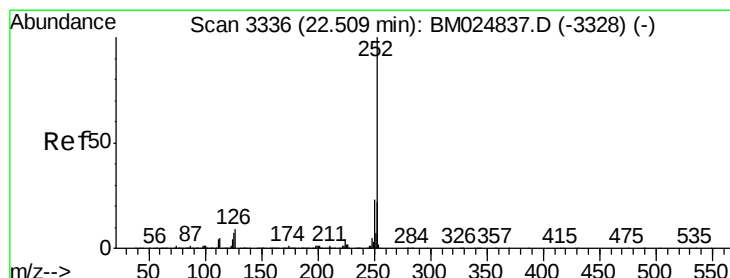
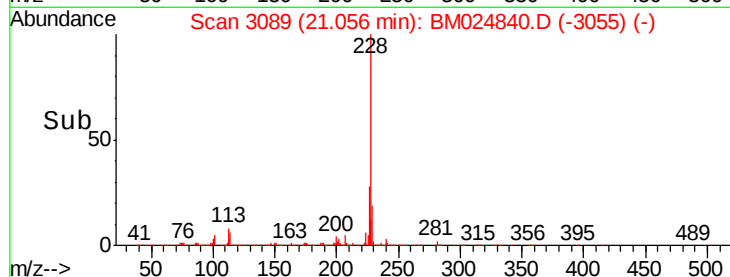
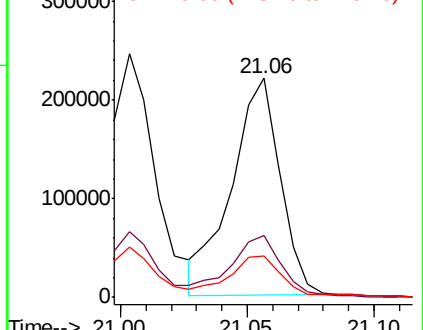
228 100

226 28.1 23.0 34.4

229 19.2 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: 4.175 ng/ul

RT: 22.51 min Scan# 3336

Delta R.T. 0.00 min

Lab File: BM024840.D

Acq: 11 Feb 2020 18:39

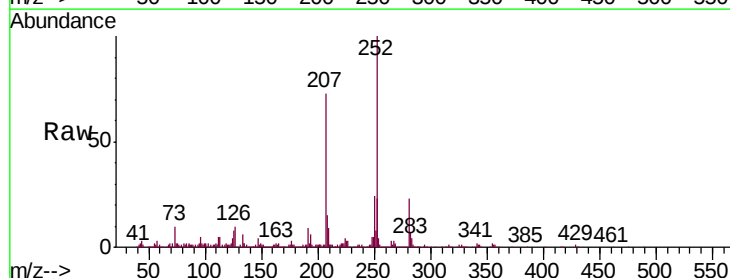
Tgt Ion:252 Resp: 437963

Ion Ratio Lower Upper

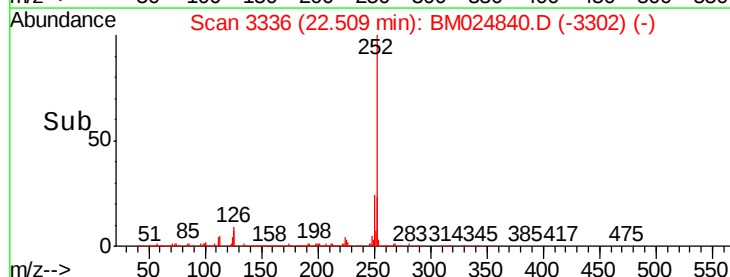
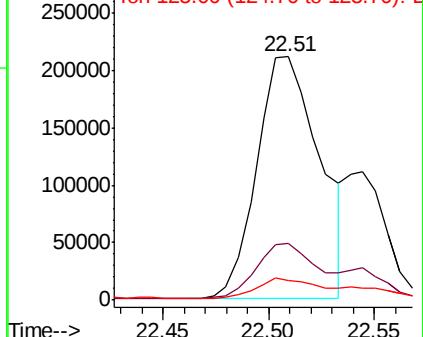
252 100

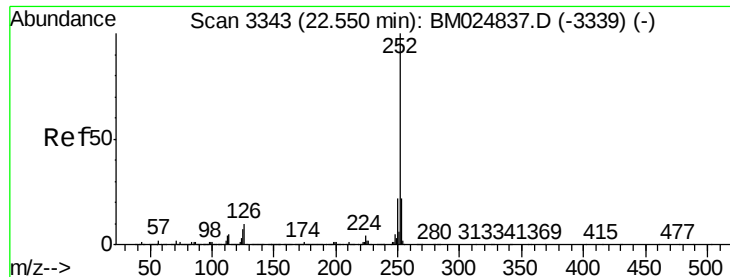
253 23.1 17.3 25.9

125 8.1 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: 4.337 ng/ul

RT: 22.51 min Scan# 3336

Delta R.T. -0.04 min

Lab File: BM024840.D

Acq: 11 Feb 2020 18:39

Instrument :

BNA_M

ClientSampleId :

CB6P2

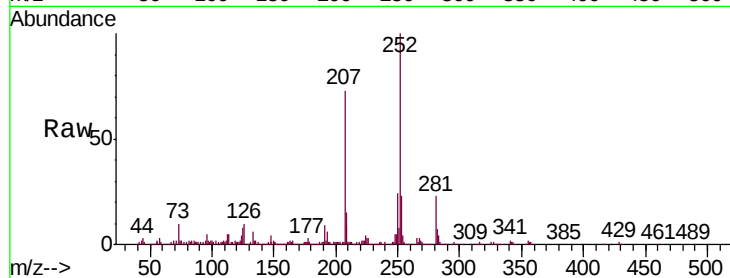
Tgt Ion:252 Resp: 437963

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

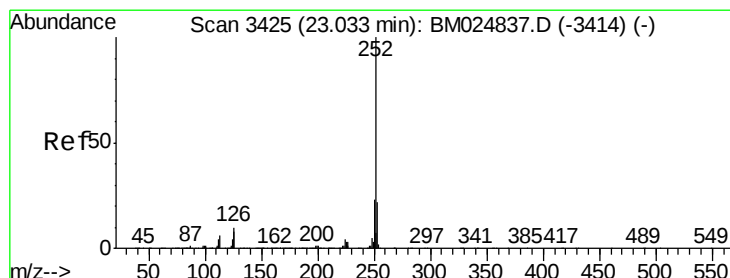
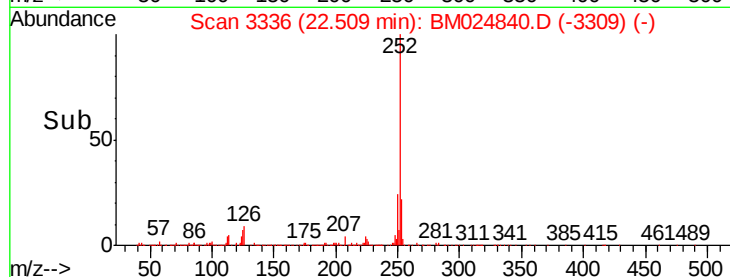
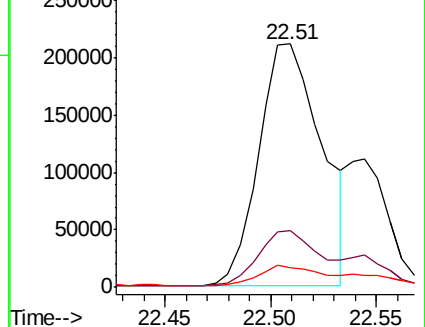
125 8.1 5.1 7.7#



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: 2.621 ng/ul

RT: 23.03 min Scan# 3425

Delta R.T. 0.00 min

Lab File: BM024840.D

Acq: 11 Feb 2020 18:39

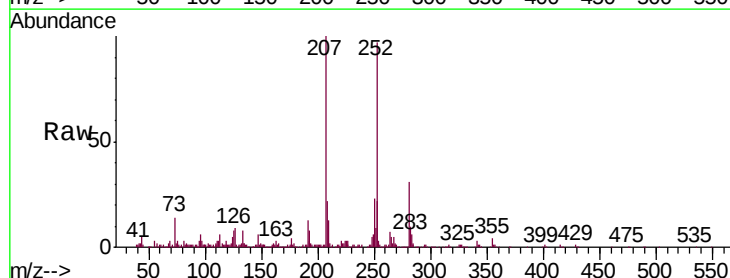
Tgt Ion:252 Resp: 246521

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

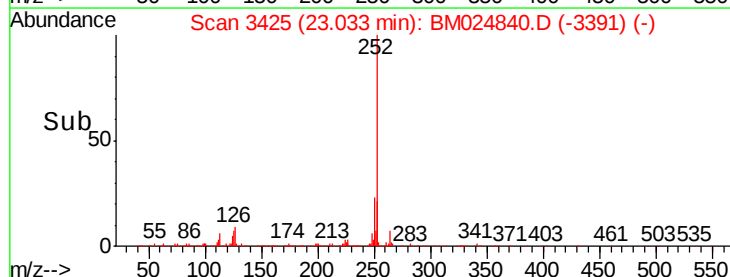
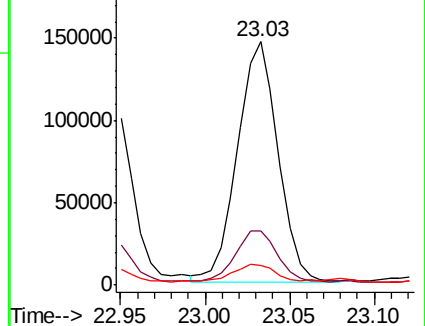
125 8.1 5.6 8.4

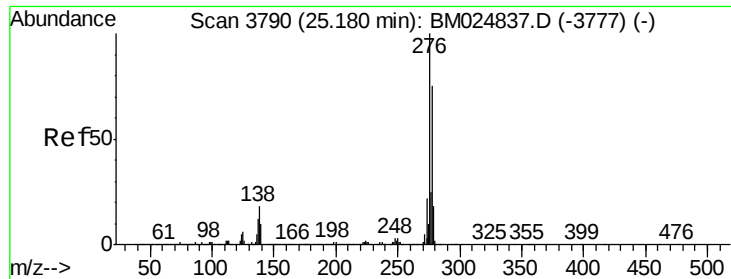


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.066 ng/ul

RT: 25.17 min Scan# 3788

Delta R.T. -0.01 min

Lab File: BM024840.D

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CB6P2

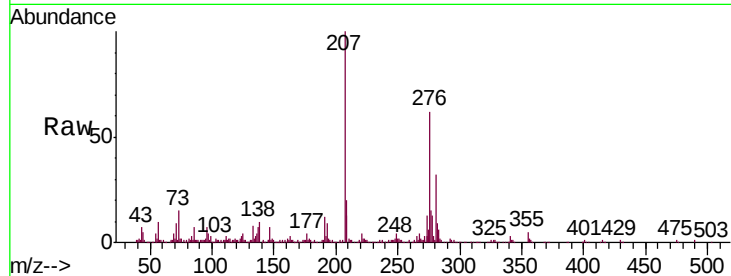
Tgt Ion: 276 Resp: 241972

Ion Ratio Lower Upper

276 100

138 16.3 12.8 19.2

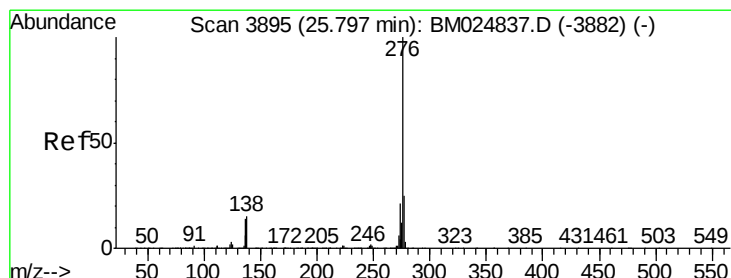
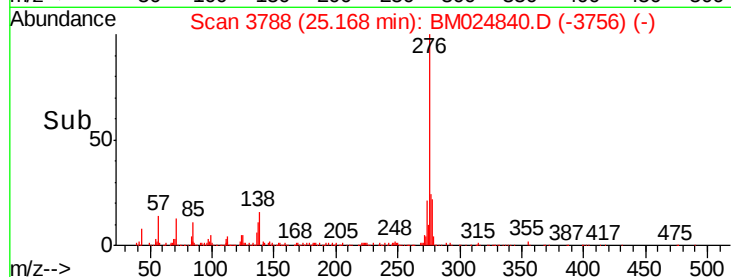
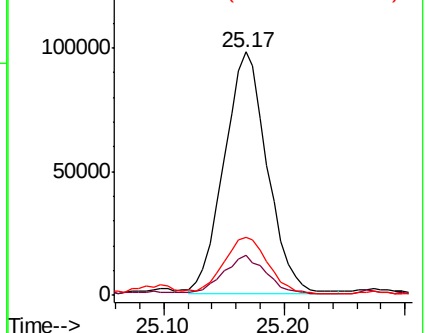
277 23.9 19.3 28.9



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



#94

Benzo(g,h,i)perylene

Concen: 2.352 ng/ul

RT: 25.79 min Scan# 3893

Delta R.T. -0.01 min

Lab File: BM024840.D

Acq: 11 Feb 2020 18:39

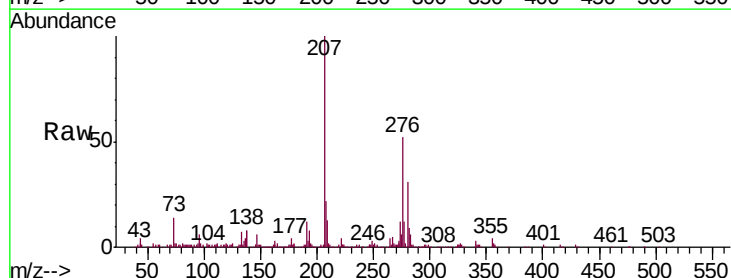
Tgt Ion: 276 Resp: 229023

Ion Ratio Lower Upper

276 100

138 15.6 11.8 17.6

277 23.6 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

