

Data File : BM024871.D
Acq On : 14 Feb 2020 00:39
Operator : CG/JU
Sample : L1404-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB6N8

Quant Time: Feb 14 06:04:16 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 14 05:59:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	467778	20.00	ng/ul	0.00
18) Naphthalene-d8	10.15	136	1705601	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.04	164	1032735	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.80	188	2125803	20.00	ng/ul	0.00
78) Chrysene-d12	21.01	240	2076393	20.00	ng/ul	0.00
86) Perylene-d12	23.11	264	2170536	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.04	96	56328	5.79	ng/uL	0.00
5) Phenol-d5	6.60	99	903524	29.08	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	556007	31.68	ng/ul	0.00
9) 2-Chlorophenol-d4	6.94	132	780728	28.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.11	113	538267	20.53	ng/ul	0.00
19) Nitrobenzene-d5	8.53	128	366496	29.72	ng/ul	0.00
22) 2-Nitrophenol-d4	9.25	143	431483	29.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.78	165	743042	25.28	ng/ul	0.00
29) 4-Chloroaniline-d4	10.29	131	716218	26.04	ng/ul	0.00
44) Dimethylphthalate-d6	13.47	166	2167684	27.81	ng/ul	0.00
47) Acenaphthylene-d8	13.73	160	2594560	28.50	ng/ul	0.00
52) 4-Nitrophenol-d4	14.27	143	318021	25.11	ng/ul	0.00
58) Fluorene-d10	15.05	176	1881694	27.26	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.18	200	345120	24.91	ng/ul	0.00
71) Anthracene-d10	16.90	188	2515731	25.92	ng/ul	0.00
79) Pyrene-d10	19.20	212	3111029	29.95	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.98	264	3253141	29.84	ng/ul	0.00

Target Compounds

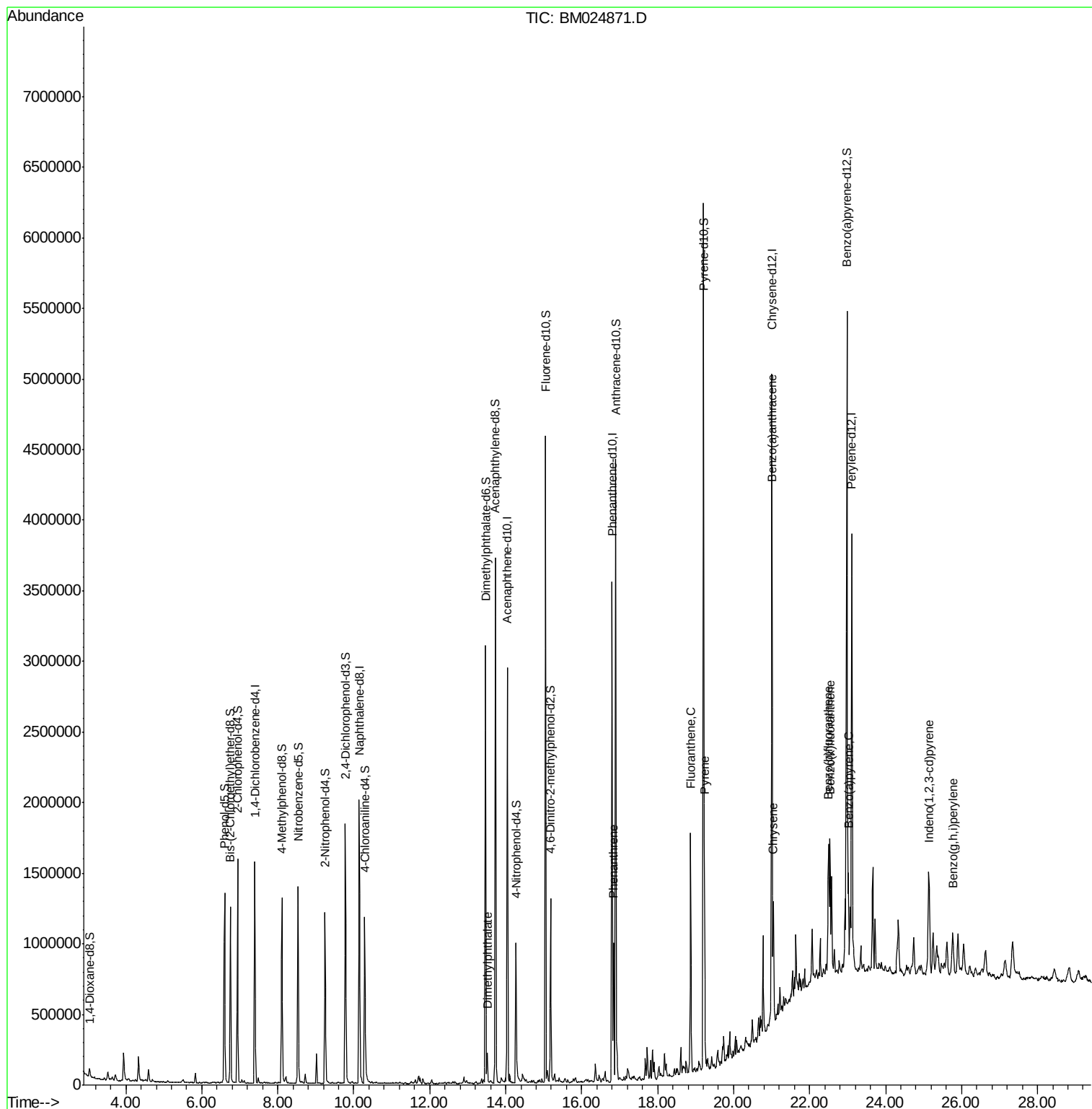
					Qvalue
45) Dimethylphthalate	13.52	163	134899	1.659 ng/ul	98
70) Phenanthrene	16.84	178	575129	4.962 ng/ul	99
77) Fluoranthene	18.87	202	1025550	7.207 ng/ul#	96
80) Pyrene	19.23	202	928650	6.757 ng/ul#	96
83) Benzo(a)anthracene	21.00	228	517650	3.701 ng/ul	98
85) Chrysene	21.05	228	535447	3.889 ng/ul	100
88) Benzo(b)fluoranthene	22.50	252	740874	5.368 ng/ul#	97
89) Benzo(k)fluoranthene	22.53	252	274247	2.064 ng/ul#	96
91) Benzo(a)pyrene	23.02	252	480090	3.880 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.16	276	375149	2.435 ng/ul	98
94) Benzo(g,h,i)perylene	25.77	276	336611	2.627 ng/ul	99

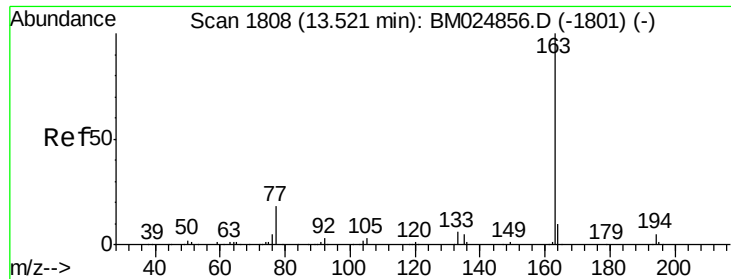
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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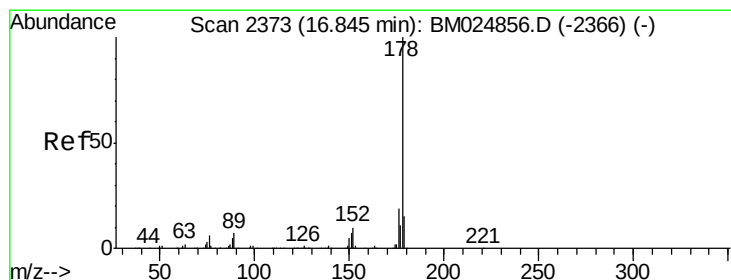
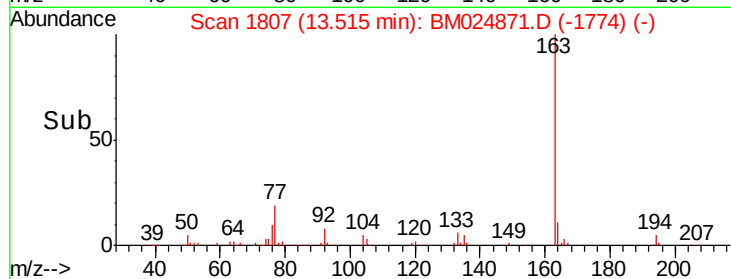
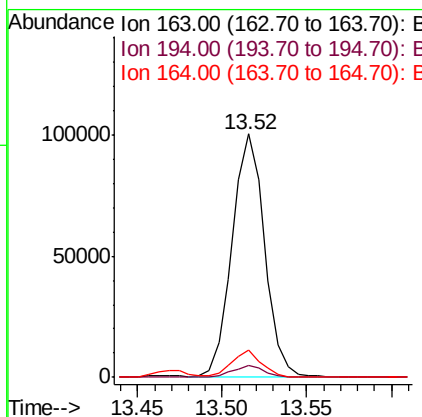
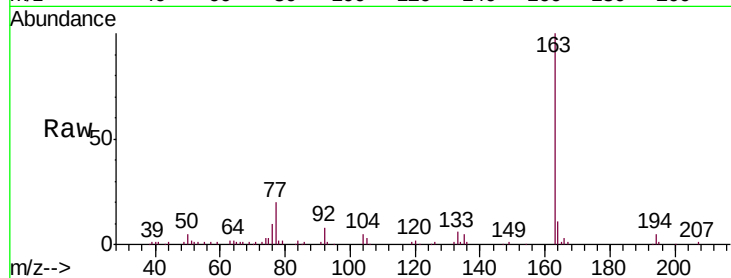




#45
Dimethylphthalate
Concen: 1.659 ng/ul
RT: 13.52 min Scan# 1807
Delta R.T. -0.01 min
Lab File: BM024871.D
Acq: 14 Feb 2020 00:39

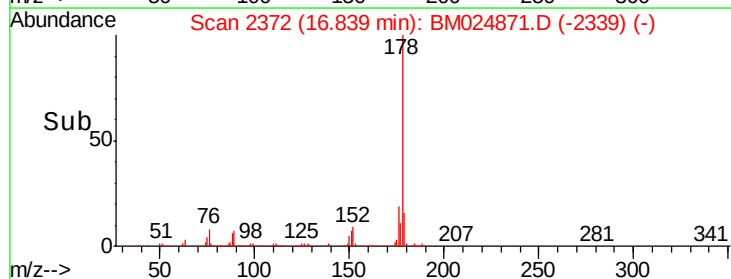
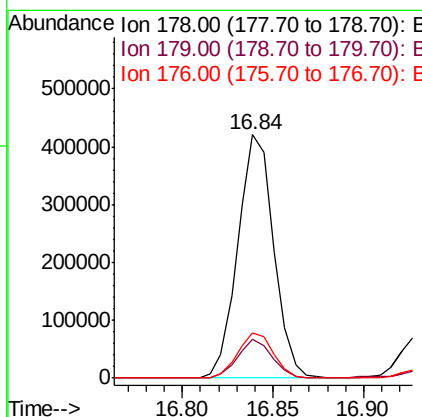
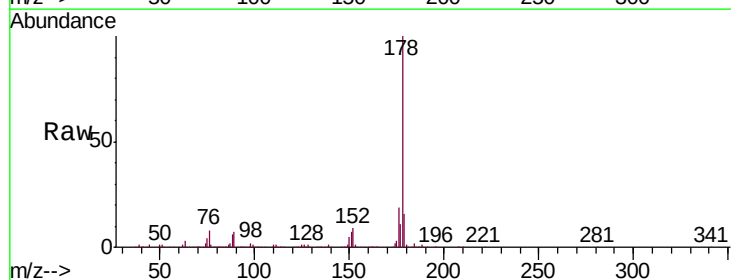
Instrument :
BNA_M
ClientSampleId :
CB6N8

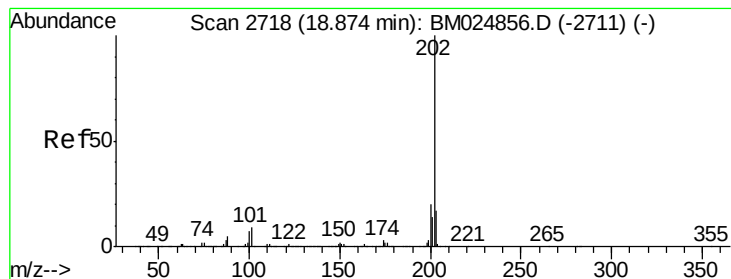
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.5	5.3
164	11.0	8.2	12.2



#70
Phenanthrene
Concen: 4.962 ng/ul
RT: 16.84 min Scan# 2372
Delta R.T. -0.01 min
Lab File: BM024871.D
Acq: 14 Feb 2020 00:39

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.2	18.2
176	18.8	14.5	21.7





#77

Fluoranthene

Concen: 7.207 ng/ul

RT: 18.87 min Scan# 2717

Delta R.T. -0.01 min

Lab File: BM024871.D

Acq: 14 Feb 2020 00:39

Instrument :

BNA_M

ClientSampled :

CB6N8

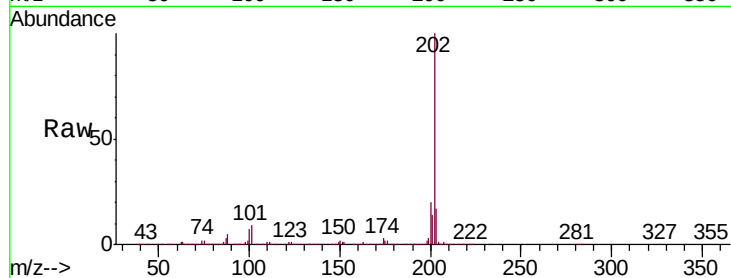
Tgt Ion:202 Resp: 1025550

Ion Ratio Lower Upper

202 100

101 9.2 6.1 9.1#

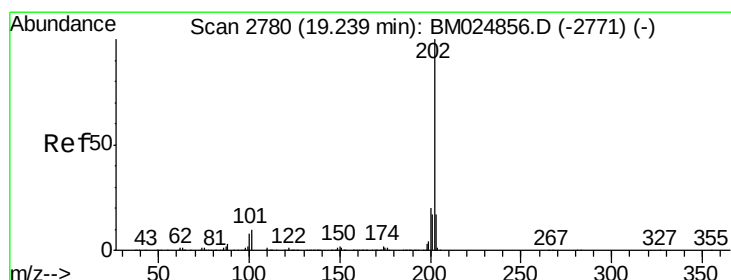
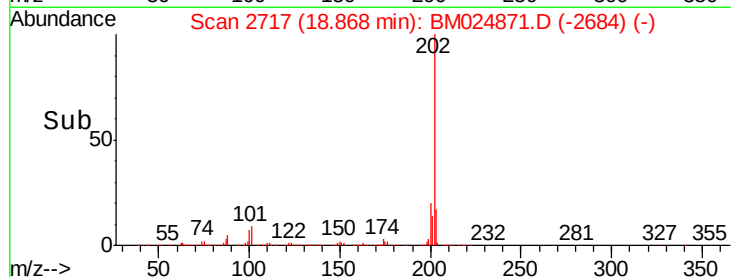
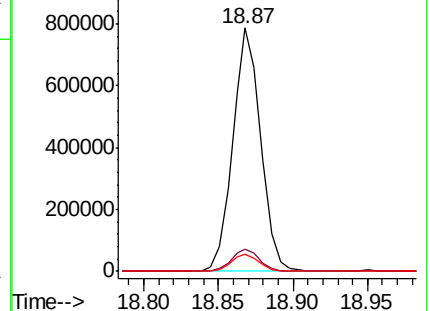
100 7.1 4.8 7.2



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: 6.757 ng/ul

RT: 19.23 min Scan# 2779

Delta R.T. -0.01 min

Lab File: BM024871.D

Acq: 14 Feb 2020 00:39

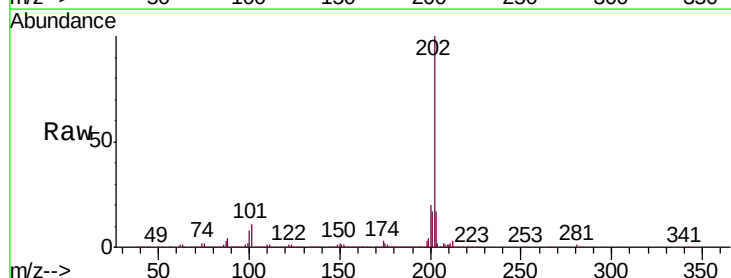
Tgt Ion:202 Resp: 928650

Ion Ratio Lower Upper

202 100

101 10.6 7.0 10.4#

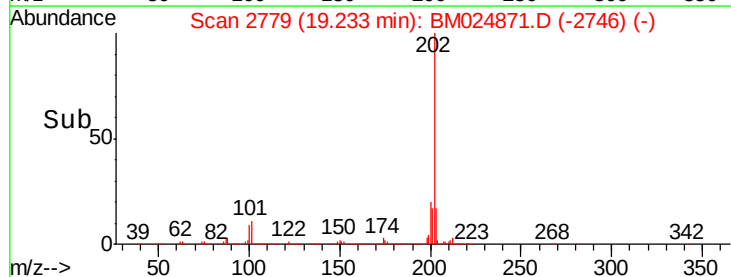
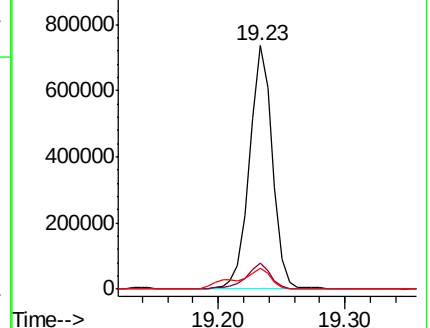
100 8.5 5.8 8.8

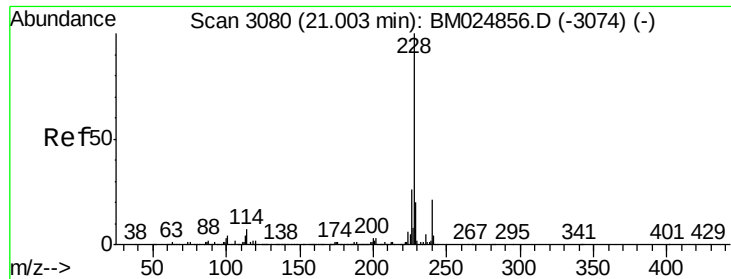


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 3.701 ng/ul

RT: 21.00 min Scan# 3079

Delta R.T. -0.01 min

Lab File: BM024871.D

Acq: 14 Feb 2020 00:39

Instrument :

BNA_M

ClientSampleId :

CB6N8

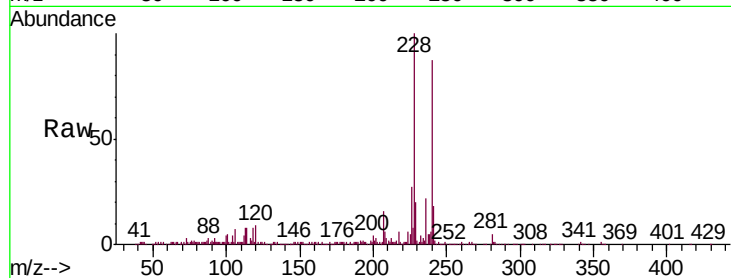
Tgt Ion:228 Resp: 517650

Ion Ratio Lower Upper

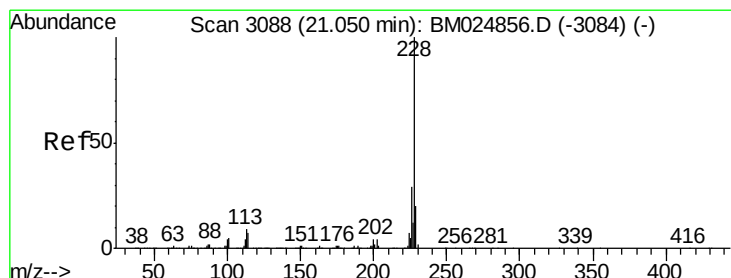
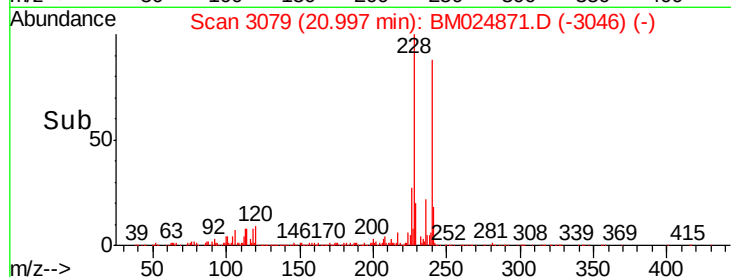
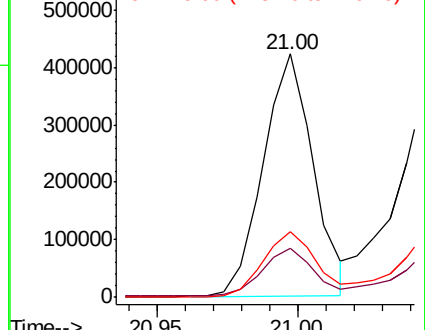
228 100

229 20.0 15.9 23.9

226 27.2 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: 3.889 ng/ul

RT: 21.05 min Scan# 3088

Delta R.T. -0.00 min

Lab File: BM024871.D

Acq: 14 Feb 2020 00:39

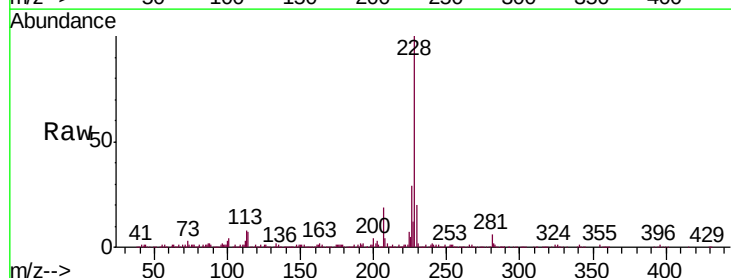
Tgt Ion:228 Resp: 535447

Ion Ratio Lower Upper

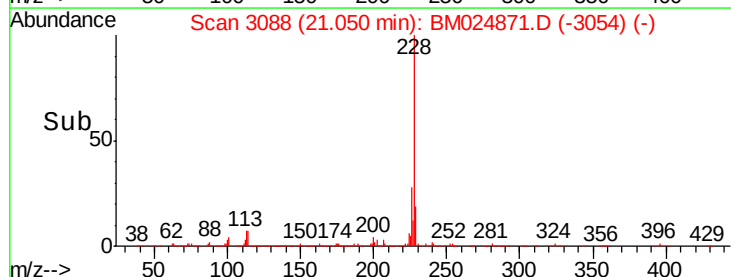
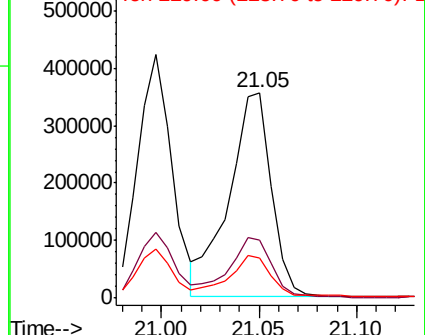
228 100

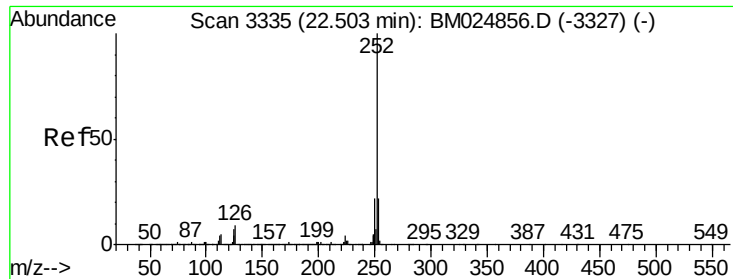
226 28.5 23.0 34.4

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: 5.368 ng/ul

RT: 22.50 min Scan# 3334

Delta R.T. -0.01 min

Lab File: BM024871.D

Acq: 14 Feb 2020 00:39

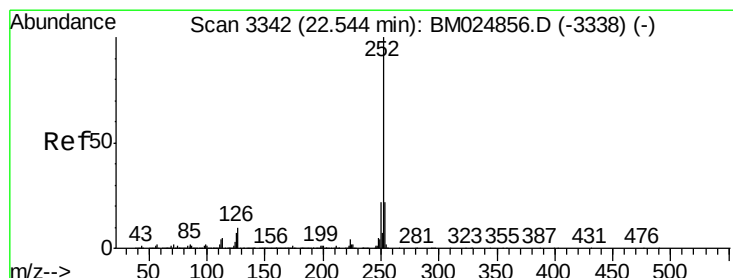
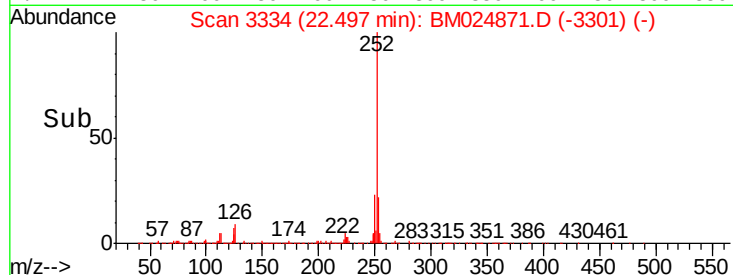
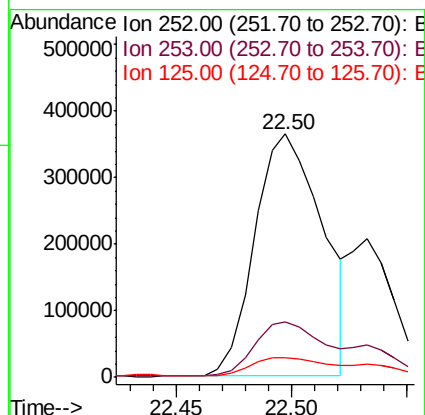
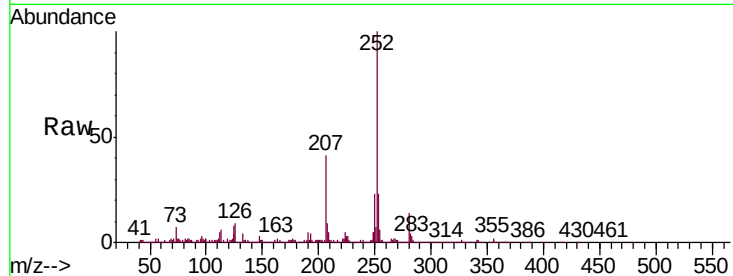
Instrument :

BNA_M

ClientSampled :

CB6N8

Tgt Ion:	252	Resp:	740874
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.3	25.9
125	8.1	5.1	7.7#



#89

Benzo(k)fluoranthene

Concen: 2.064 ng/ul

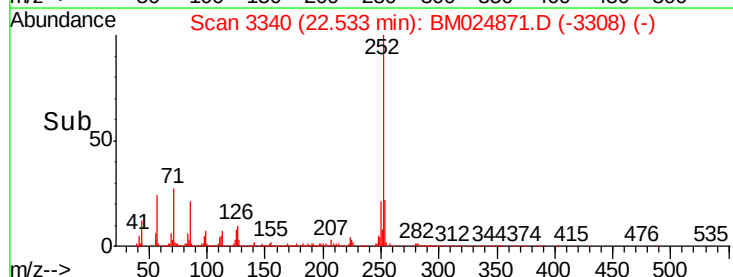
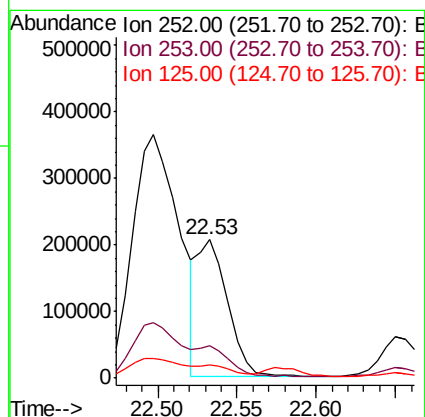
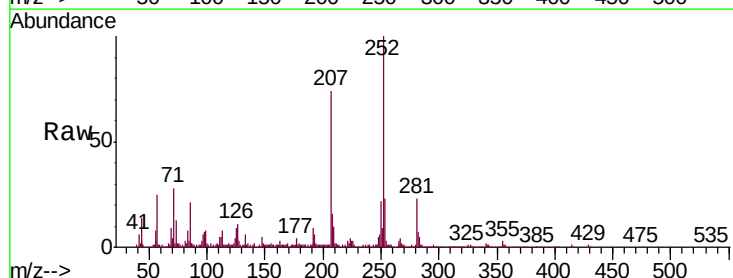
RT: 22.53 min Scan# 3340

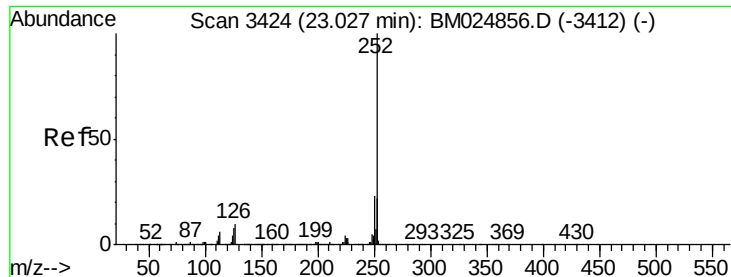
Delta R.T. -0.01 min

Lab File: BM024871.D

Acq: 14 Feb 2020 00:39

Tgt Ion:	252	Resp:	274247
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.0
125	9.3	5.1	7.7#





#91

Benzo(a)pyrene

Concen: 3.880 ng/ul

RT: 23.02 min Scan# 3423

Delta R.T. -0.01 min

Lab File: BM024871.D

Acq: 14 Feb 2020 00:39

Instrument :

BNA_M

ClientSampleId :

CB6N8

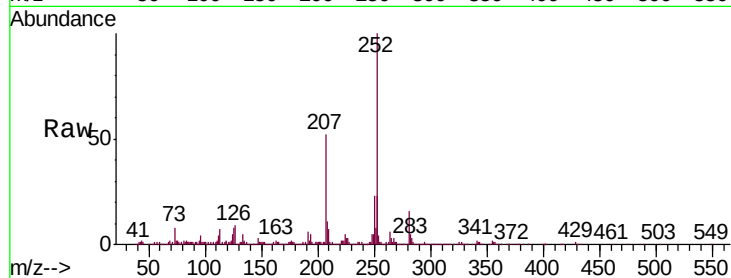
Tgt Ion:252 Resp: 480090

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

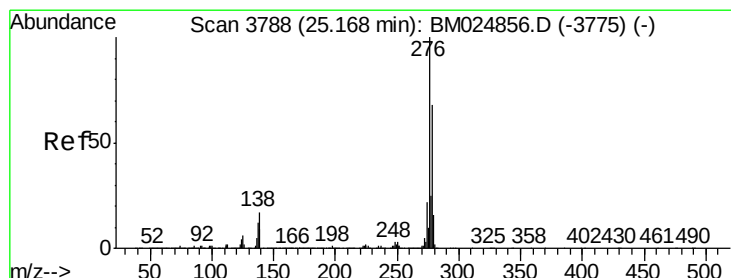
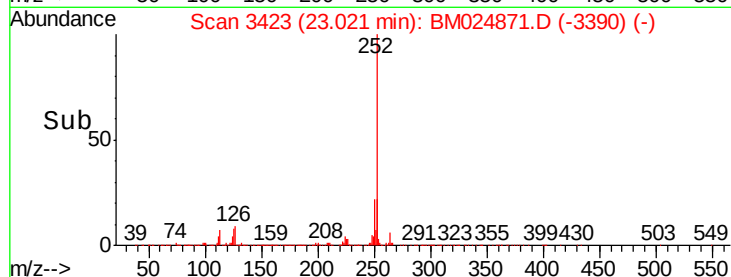
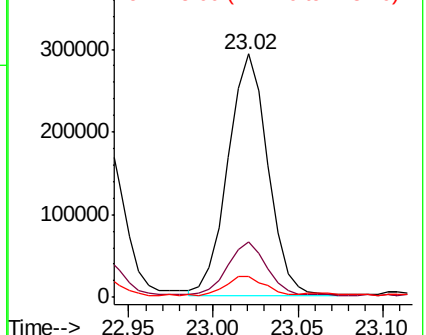
125 8.4 5.6 8.4



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: 2.435 ng/ul

RT: 25.16 min Scan# 3786

Delta R.T. -0.01 min

Lab File: BM024871.D

Acq: 14 Feb 2020 00:39

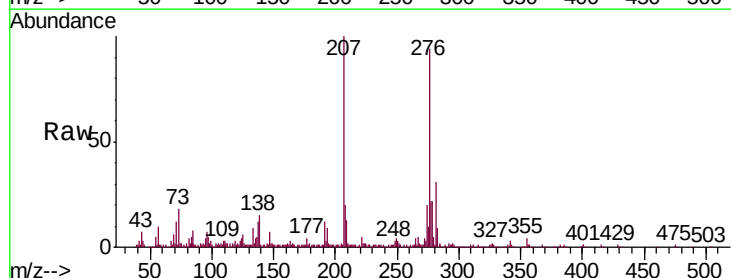
Tgt Ion:276 Resp: 375149

Ion Ratio Lower Upper

276 100

138 15.6 12.8 19.2

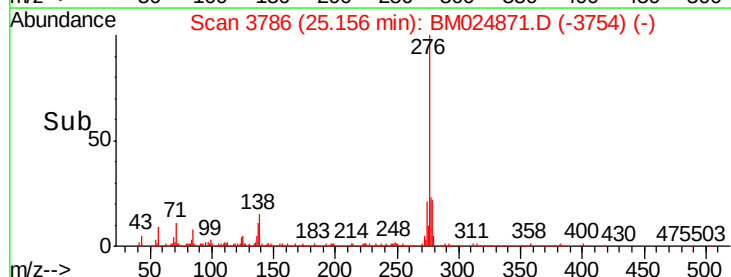
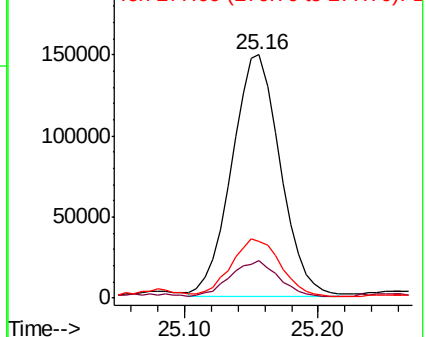
277 23.1 19.3 28.9

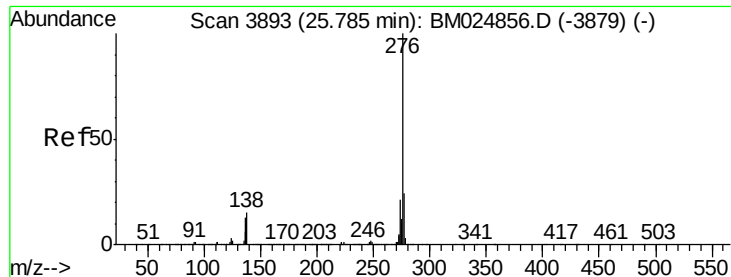


Abundance Ion 276.00 (275.70 to 276.70): E

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: 2.627 ng/ul

RT: 25.77 min Scan# 3891

Delta R.T. -0.01 min

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Instrument :

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ClientSampleId :

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Tgt Ion: 276 Resp: 336611

Ion Ratio Lower Upper

276 100

138 15.1 11.8 17.6

277 23.6 19.0 28.6

