

Data File : BM024869.D
Acq On : 13 Feb 2020 23:27
Operator : CG/JU
Sample : L1404-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB6N6

Quant Time: Feb 14 06:03:54 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	535597	20.00	ng/ul	0.00
18) Naphthalene-d8	10.15	136	1948418	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.05	164	1155703	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.80	188	2387911	20.00	ng/ul	0.00
78) Chrysene-d12	21.01	240	2345155	20.00	ng/ul	0.00
86) Perylene-d12	23.11	264	2416085	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.04	96	47400	4.26	ng/uL	0.00
5) Phenol-d5	6.59	99	751184	21.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	484323	24.10	ng/ul	0.00
9) 2-Chlorophenol-d4	6.94	132	657494	20.63	ng/ul	0.00
13) 4-Methylphenol-d8	8.10	113	624364	20.80	ng/ul	0.00
19) Nitrobenzene-d5	8.53	128	325352	23.09	ng/ul	0.00
22) 2-Nitrophenol-d4	9.25	143	372582	22.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.78	165	631237	18.80	ng/ul	0.00
29) 4-Chloroaniline-d4	10.29	131	698616	22.24	ng/ul	0.00
44) Dimethylphthalate-d6	13.47	166	2019560	23.15	ng/ul	0.00
47) Acenaphthylene-d8	13.73	160	2192544	21.52	ng/ul	0.00
52) 4-Nitrophenol-d4	14.27	143	281942	19.89	ng/ul	0.00
58) Fluorene-d10	15.05	176	1684240	21.80	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.18	200	313810	20.16	ng/ul	0.00
71) Anthracene-d10	16.90	188	2413351	22.14	ng/ul	0.00
79) Pyrene-d10	19.20	212	2636850	22.48	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.98	264	2673628	22.03	ng/ul	0.00

Target Compounds

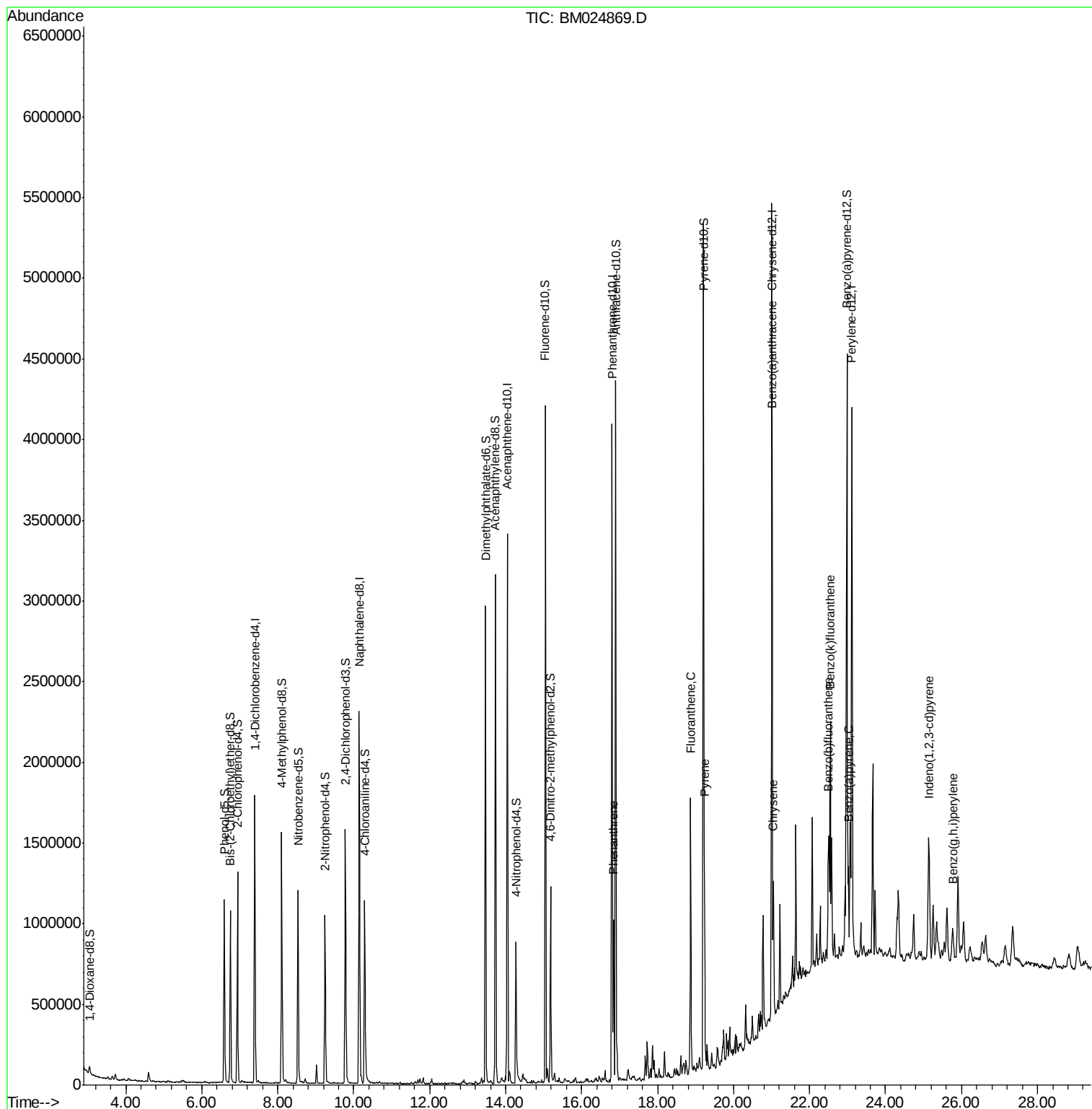
					Qvalue	
70) Phenanthrene	16.84	178	586112	4.502	ng/ul	100
77) Fluoranthene	18.87	202	1002731	6.274	ng/ul	97
80) Pyrene	19.23	202	832705	5.364	ng/ul#	95
83) Benzo(a)anthracene	21.00	228	506903	3.209	ng/ul	99
85) Chrysene	21.05	228	521121	3.351	ng/ul	99
88) Benzo(b)fluoranthene	22.50	252	709111	4.616	ng/ul#	96
89) Benzo(k)fluoranthene	22.53	252	191566	1.295	ng/ul#	95
91) Benzo(a)pyrene	23.02	252	384895	2.794	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.15	276	297578	1.735	ng/ul	98
94) Benzo(g,h,i)perylene	25.77	276	225174	1.579	ng/ul	98

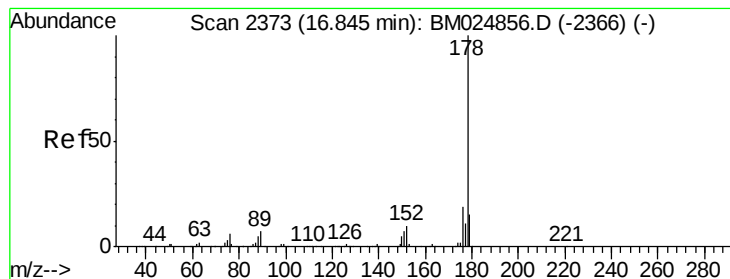
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#70

Phenanthrene

Concen: 4.502 ng/ul

RT: 16.84 min Scan# 2372

Delta R.T. -0.01 min

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Instrument :

BNA_M

ClientSampleId :

CB6N6

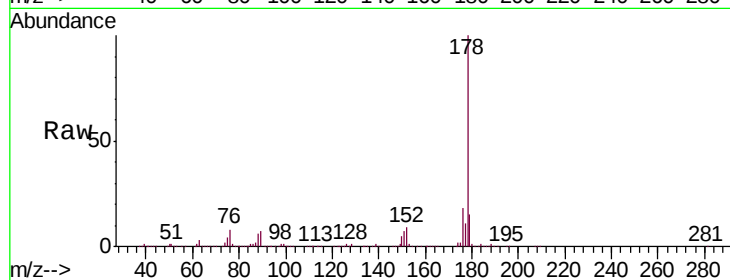
Tgt Ion:178 Resp: 586112

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.2

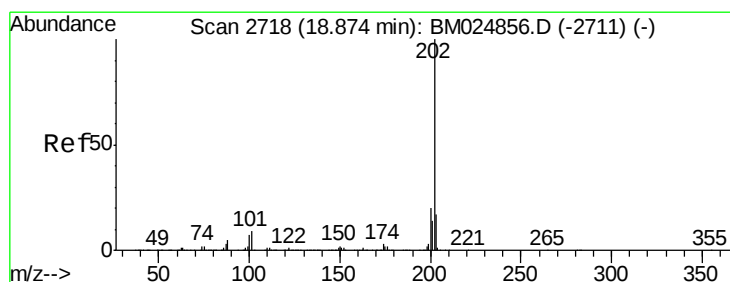
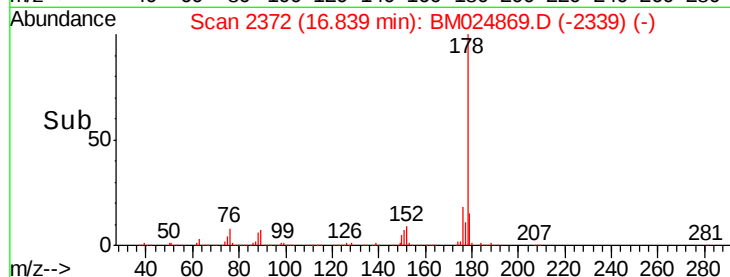
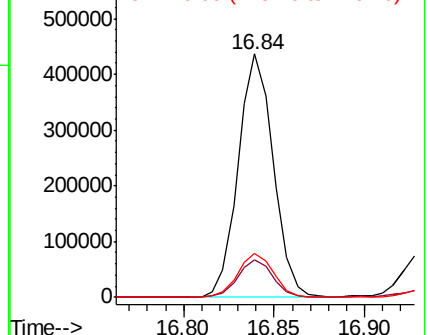
176 17.8 14.5 21.7



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: 6.274 ng/ul

RT: 18.87 min Scan# 2717

Delta R.T. -0.01 min

Lab File: BM024869.D

Acq: 13 Feb 2020 23:27

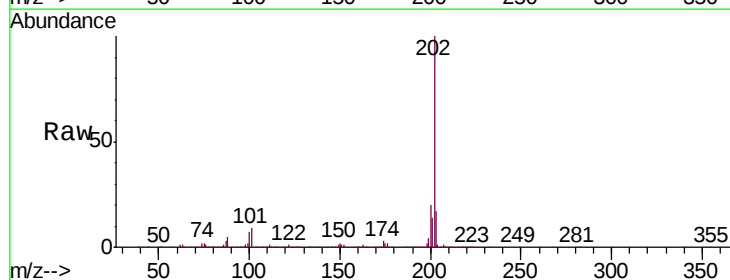
Tgt Ion:202 Resp: 1002731

Ion Ratio Lower Upper

202 100

101 8.8 6.1 9.1

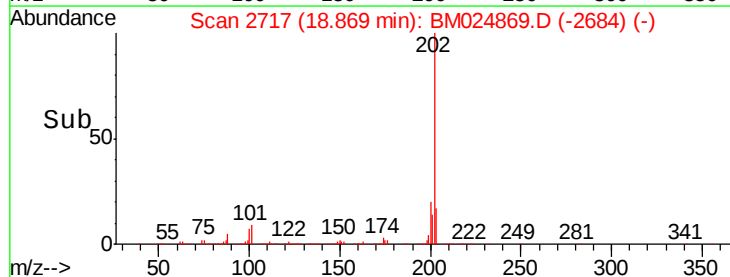
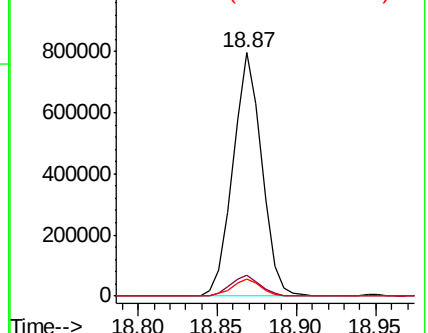
100 6.9 4.8 7.2

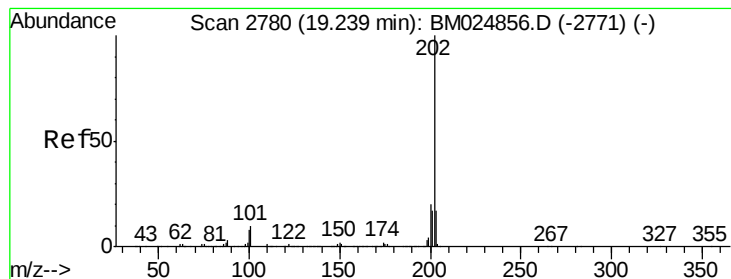


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#80

Pyrene

Concen: 5.364 ng/ul

RT: 19.23 min Scan# 2779

Delta R.T. -0.01 min

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Instrument :

BNA_M

ClientSampleId :

CB6N6

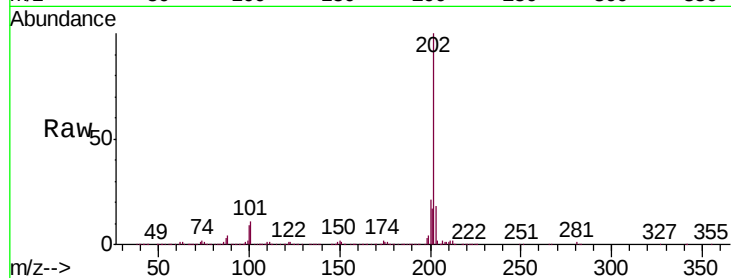
Tgt Ion:202 Resp: 832705

Ion Ratio Lower Upper

202 100

101 10.8 7.0 10.4#

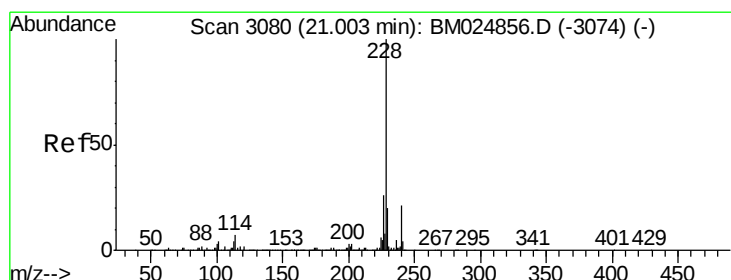
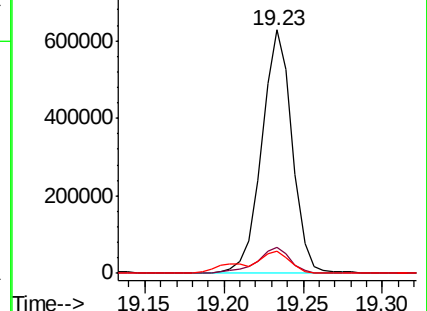
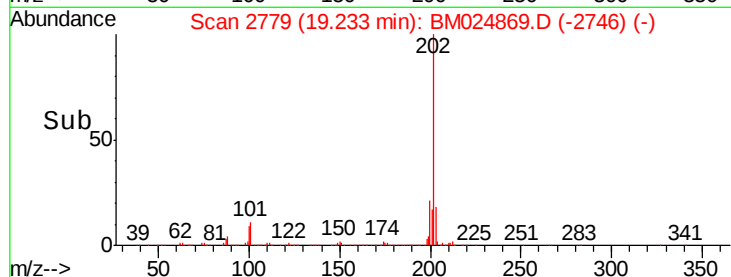
100 8.9 5.8 8.8#



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: 3.209 ng/ul

RT: 21.00 min Scan# 3079

Delta R.T. -0.01 min

Lab File: BM024869.D

Acq: 13 Feb 2020 23:27

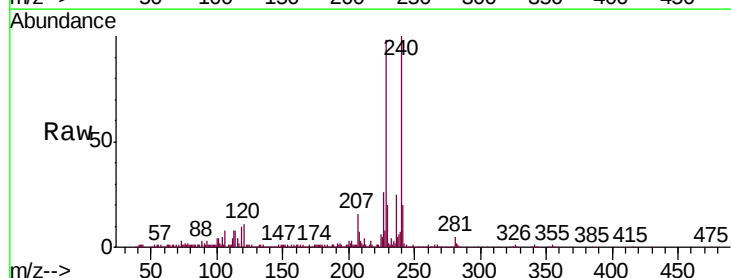
Tgt Ion:228 Resp: 506903

Ion Ratio Lower Upper

228 100

229 20.4 15.9 23.9

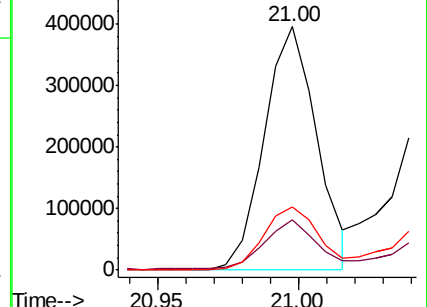
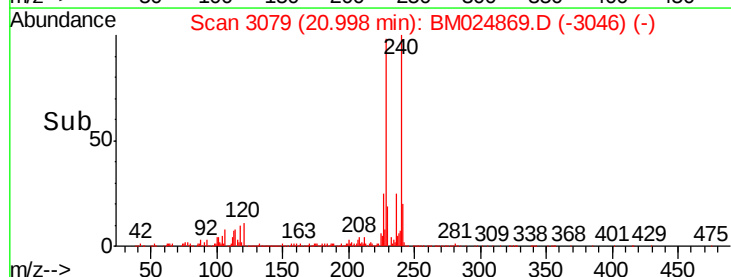
226 26.2 20.8 31.2

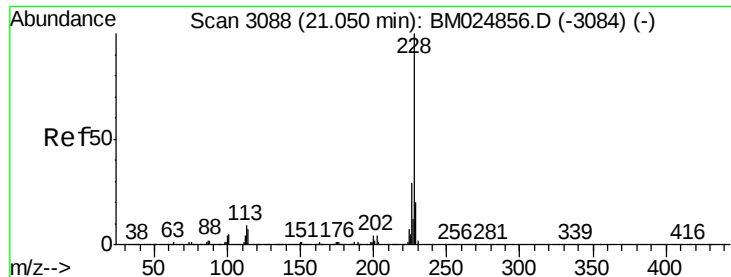


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#85

Chrysene

Concen: 3.351 ng/ul

RT: 21.05 min Scan# 3088

Delta R.T. 0.00 min

Lab File: BM024869.D

Acq: 13 Feb 2020 23:27

Instrument :

BNA_M

ClientSampleId :

CB6N6

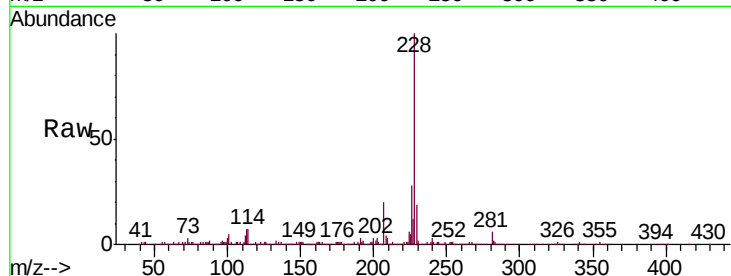
Tgt Ion: 228 Resp: 521121

Ion Ratio Lower Upper

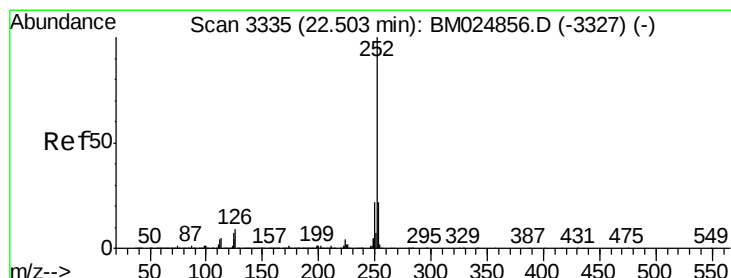
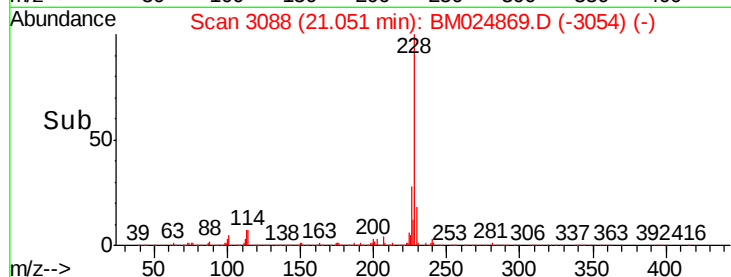
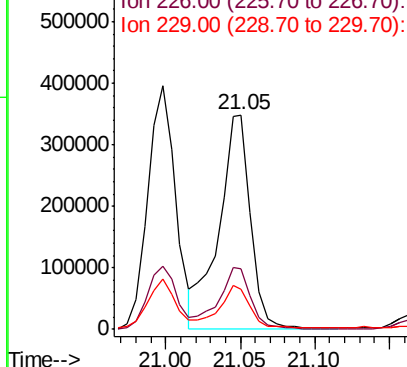
228 100

226 28.2 23.0 34.4

229 18.8 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: 4.616 ng/ul

RT: 22.50 min Scan# 3334

Delta R.T. -0.01 min

Lab File: BM024869.D

Acq: 13 Feb 2020 23:27

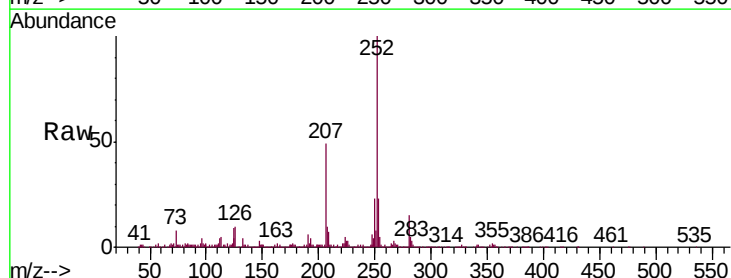
Tgt Ion: 252 Resp: 709111

Ion Ratio Lower Upper

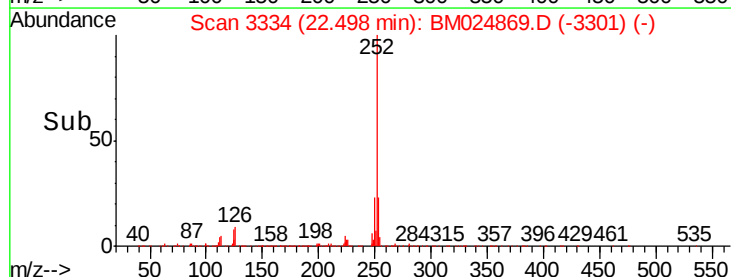
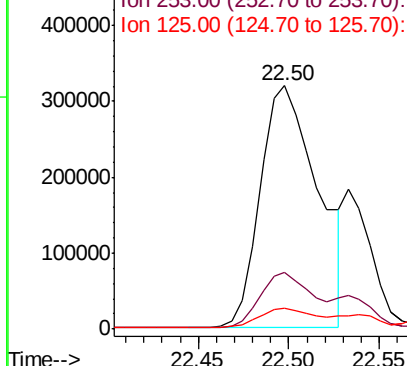
252 100

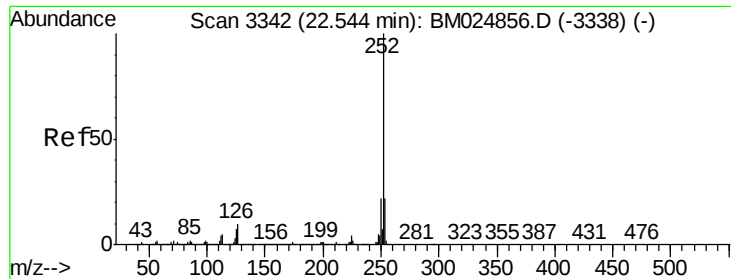
253 23.3 17.3 25.9

125 8.7 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: 1.295 ng/ul

RT: 22.53 min Scan# 3340

Delta R.T. -0.01 min

Lab File: BM024869.D

Acq: 13 Feb 2020 23:27

Instrument :

BNA_M

ClientSampleId :

CB6N6

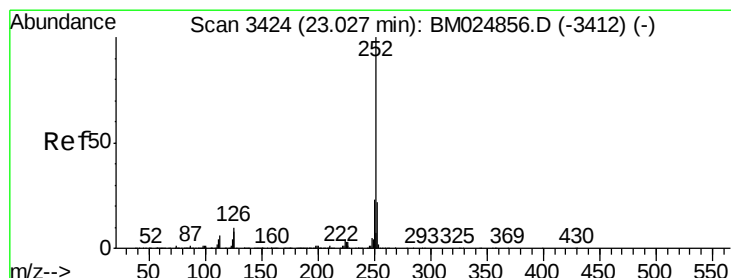
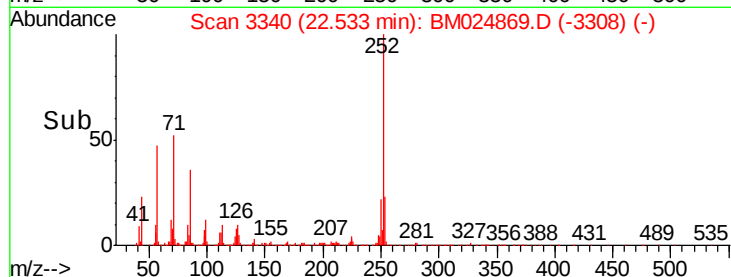
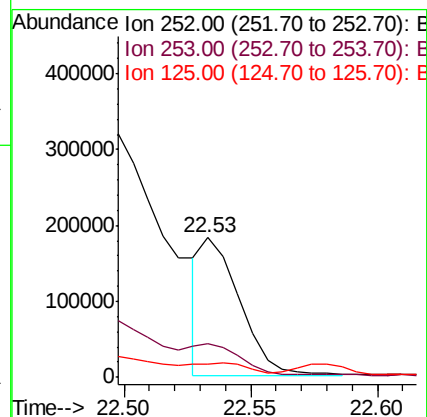
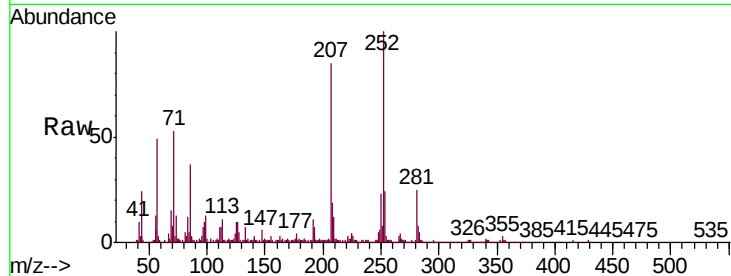
Tgt Ion:252 Resp: 191566

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

125 9.6 5.1 7.7#



#91

Benzo(a)pyrene

Concen: 2.794 ng/ul

RT: 23.02 min Scan# 3423

Delta R.T. -0.01 min

Lab File: BM024869.D

Acq: 13 Feb 2020 23:27

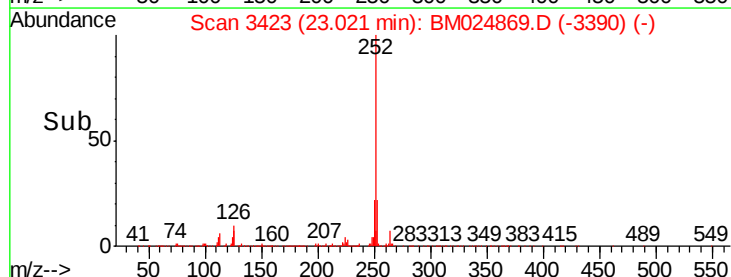
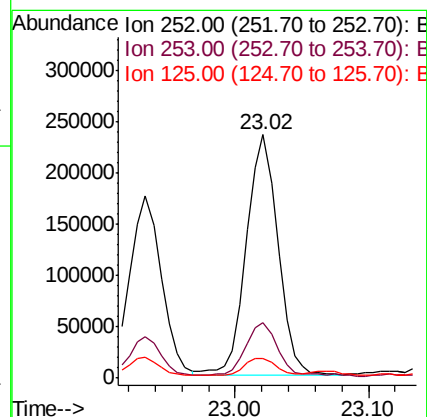
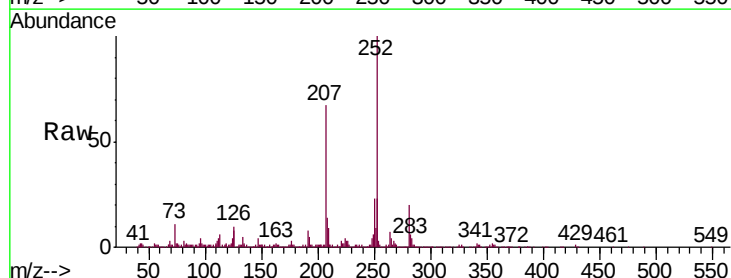
Tgt Ion:252 Resp: 384895

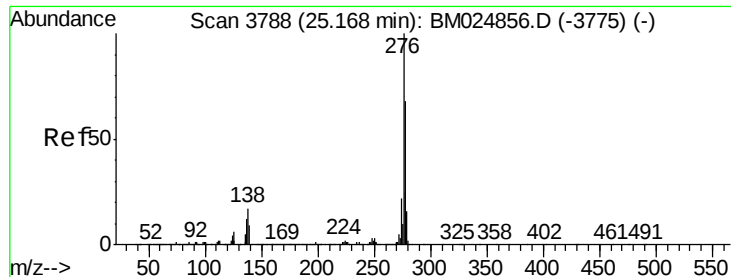
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 8.3 5.6 8.4



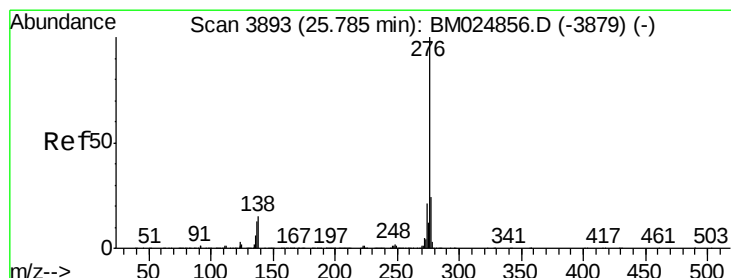
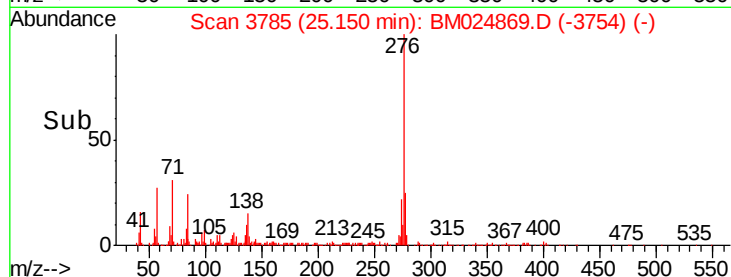
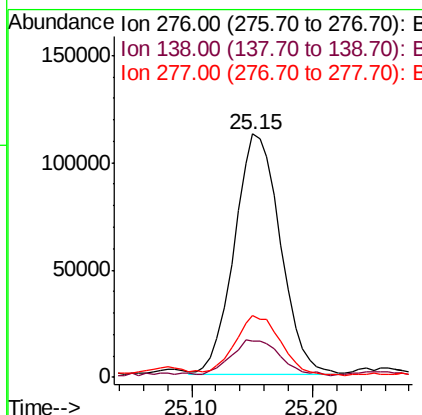
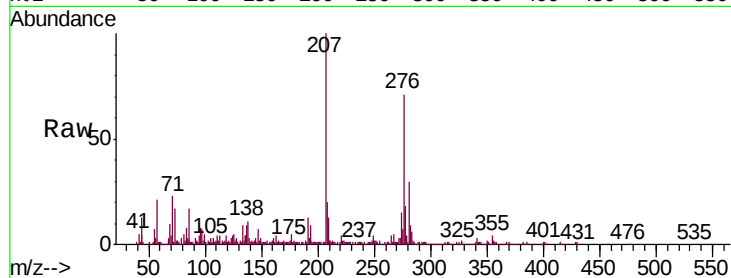


#92

Indeno(1,2,3-cd)pyrene
Concen: 1.735 ng/ul
RT: 25.15 min Scan# 3785
Delta R.T. -0.02 min
Lab File: BM024869.D
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Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.1	12.8	19.2
277	25.2	19.3	28.9



#94

Benzo(g,h,i)perylene
Concen: 1.579 ng/ul
RT: 25.77 min Scan# 3891
Delta R.T. -0.01 min
Lab File: BM024869.D
Acq: 13 Feb 2020 23:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.3	11.8	17.6
277	22.5	19.0	28.6

