

Data File : BM024876.D
Acq On : 14 Feb 2020 04:33
Operator : CG/JU
Sample : L1404-18
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB6W5

Quant Time: Feb 14 07:48:22 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 14 07:45:43 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	291928	20.00	ng/ul	0.00
18) Naphthalene-d8	10.15	136	1074175	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.04	164	649215	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.80	188	1343274	20.00	ng/ul	0.00
78) Chrysene-d12	21.01	240	1296148	20.00	ng/ul	0.00
86) Perylene-d12	23.11	264	1366057	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.04	96	36274	5.98	ng/uL	0.00
5) Phenol-d5	6.59	99	535916	27.63	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	353776	32.30	ng/ul	0.00
9) 2-Chlorophenol-d4	6.93	132	470542	27.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.10	113	314991	19.25	ng/ul	0.00
19) Nitrobenzene-d5	8.53	128	227583	29.30	ng/ul	0.00
22) 2-Nitrophenol-d4	9.25	143	261486	28.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.78	165	436656	23.58	ng/ul	0.00
29) 4-Chloroaniline-d4	10.29	131	483915	27.94	ng/ul	0.00
44) Dimethylphthalate-d6	13.47	166	1373703	28.03	ng/ul	0.00
47) Acenaphthylene-d8	13.73	160	1530241	26.74	ng/ul	0.00
52) 4-Nitrophenol-d4	14.27	143	188077	23.62	ng/ul	0.00
58) Fluorene-d10	15.05	176	1138103	26.23	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.18	200	200689	22.92	ng/ul	0.00
71) Anthracene-d10	16.90	188	1597467	26.05	ng/ul	0.00
79) Pyrene-d10	19.20	212	1827576	28.19	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.98	264	1870371	27.26	ng/ul	0.00

Target Compounds

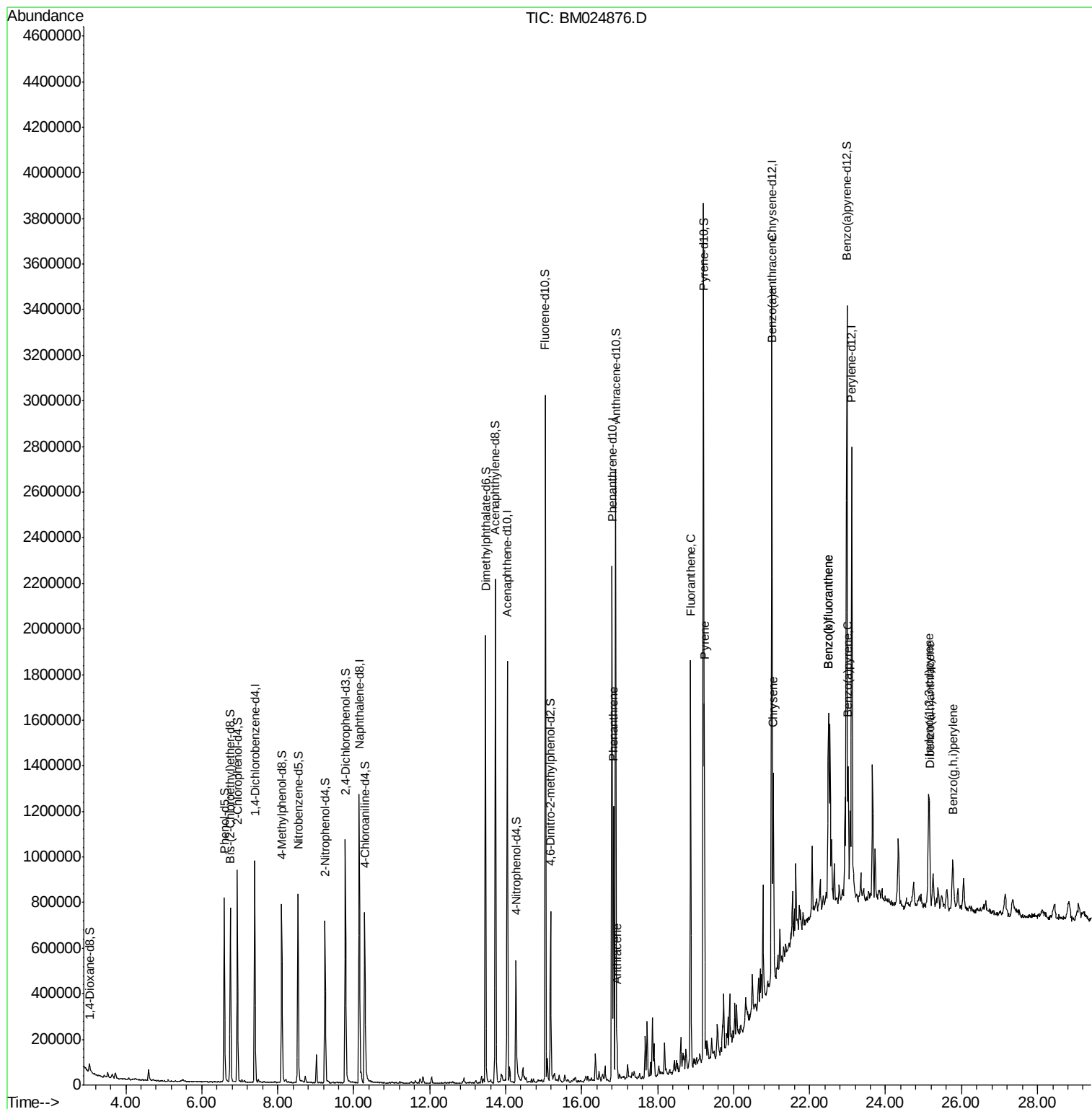
					Qvalue	
70) Phenanthrene	16.84	178	708817	9.678	ng/ul	99
72) Anthracene	16.93	178	116135	1.563	ng/ul	99
77) Fluoranthene	18.87	202	1062094	11.813	ng/ul	97
80) Pyrene	19.23	202	949000	11.061	ng/ul#	96
83) Benzo(a)anthracene	21.00	228	532586	6.100	ng/ul	99
85) Chrysene	21.04	228	532552	6.196	ng/ul	99
88) Benzo(b)fluoranthene	22.50	252	695186	8.003	ng/ul#	98
89) Benzo(k)fluoranthene	22.50	252	695186	8.315	ng/ul#	98
91) Benzo(a)pyrene	23.02	252	436154	5.600	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.16	276	324907	3.351	ng/ul	98
93) Dibenzo(a,h)anthracene	25.16	278	95357	1.154	ng/ul#	90
94) Benzo(g,h,i)perylene	25.77	276	250015	3.101	ng/ul	98

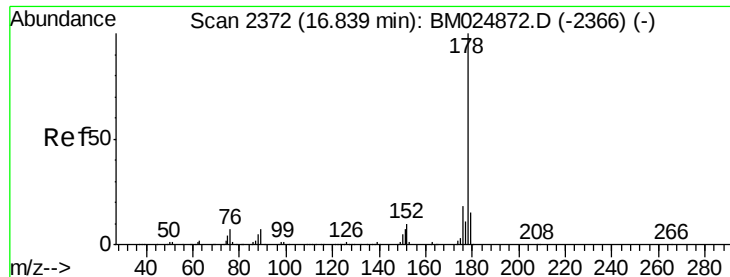
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#70

Phenanthrene

Concen: 9.678 ng/ul

RT: 16.84 min Scan# 2372

Delta R.T. 0.00 min

Lab File: BM024876.D

Acq: 14 Feb 2020 04:33

Instrument :

BNA_M

ClientSampleId :

CB6W5

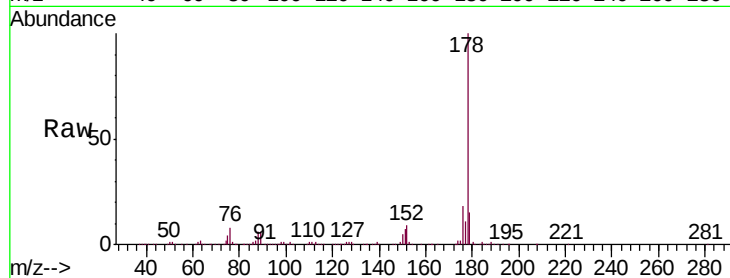
Tgt Ion:178 Resp: 708817

Ion Ratio Lower Upper

178 100

179 14.7 12.2 18.2

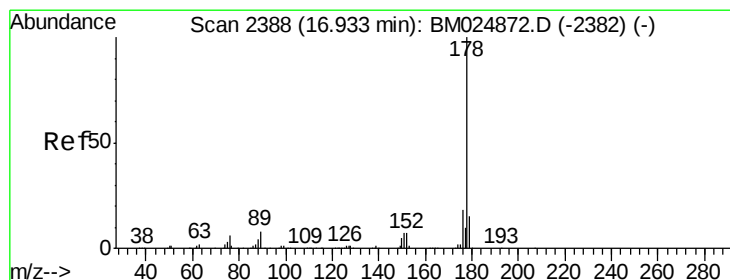
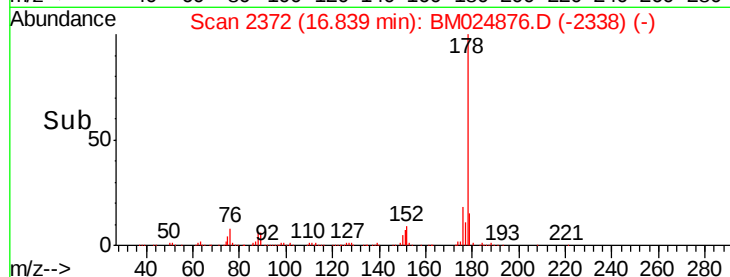
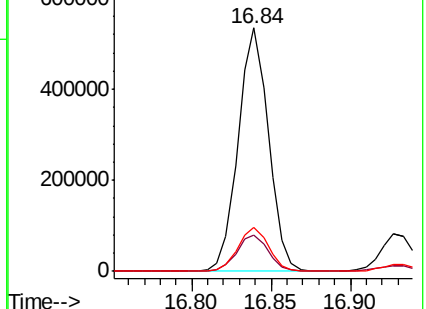
176 18.2 14.5 21.7



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: 1.563 ng/ul

RT: 16.93 min Scan# 2387

Delta R.T. -0.01 min

Lab File: BM024876.D

Acq: 14 Feb 2020 04:33

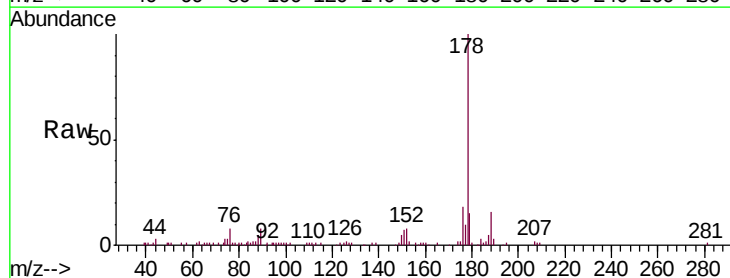
Tgt Ion:178 Resp: 116135

Ion Ratio Lower Upper

178 100

179 15.0 12.3 18.5

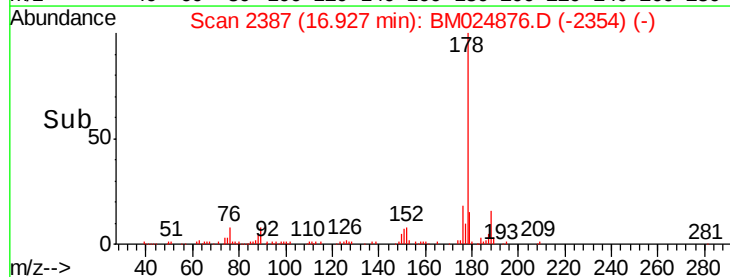
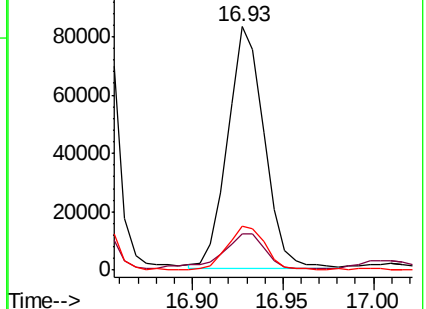
176 18.3 14.1 21.1

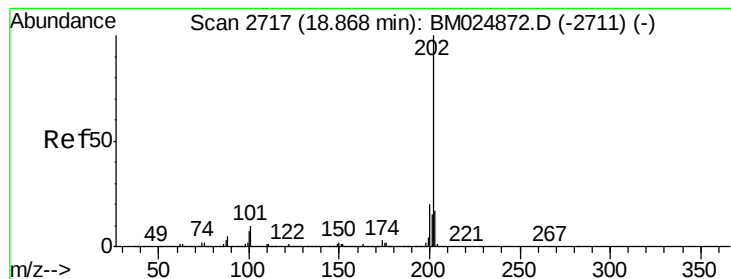


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#77

Fluoranthene

Concen: 11.813 ng/ul

RT: 18.87 min Scan# 2717

Delta R.T. 0.00 min

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Acq: 14 Feb 2020 04:33

Instrument :

BNA_M

ClientSampleId :

CB6W5

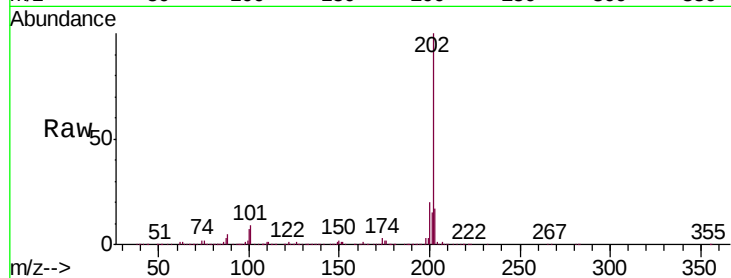
Tgt Ion:202 Resp: 1062094

Ion Ratio Lower Upper

202 100

101 9.0 6.1 9.1

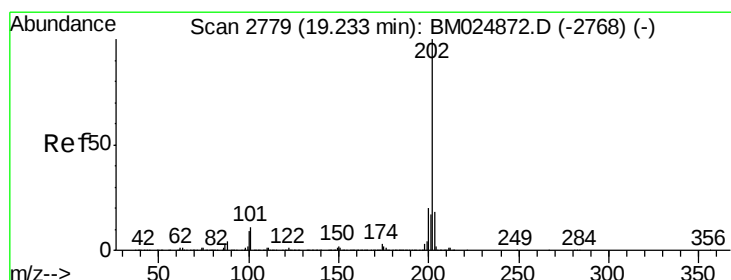
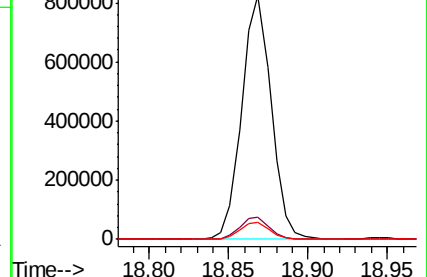
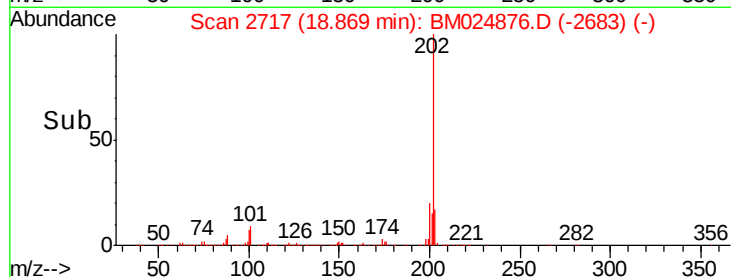
100 6.9 4.8 7.2



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): B



#80

Pyrene

Concen: 11.061 ng/ul

RT: 19.23 min Scan# 2779

Delta R.T. 0.00 min

Lab File: BM024876.D

Acq: 14 Feb 2020 04:33

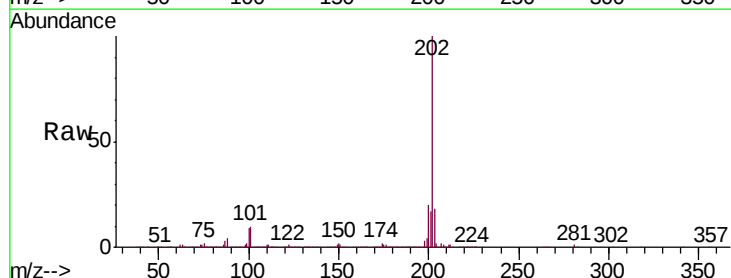
Tgt Ion:202 Resp: 949000

Ion Ratio Lower Upper

202 100

101 10.5 7.0 10.4#

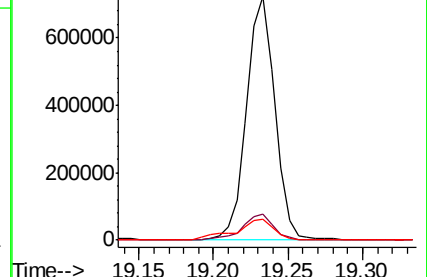
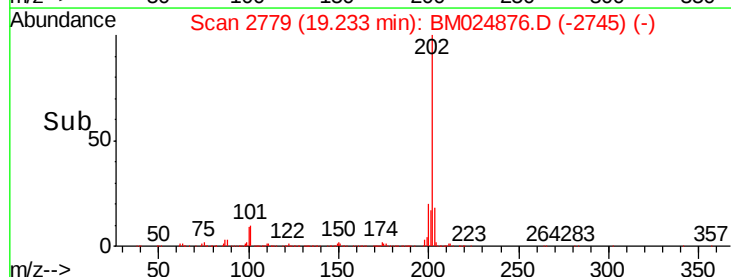
100 8.6 5.8 8.8

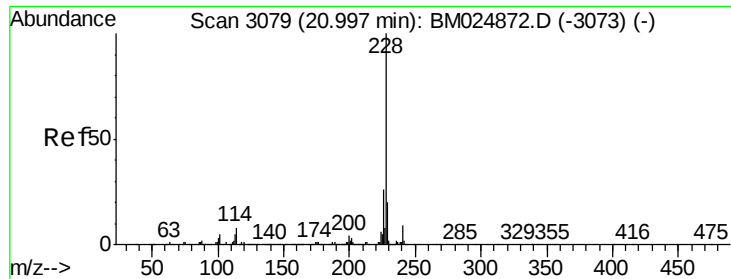


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 6.100 ng/ul

RT: 21.00 min Scan# 3079

Delta R.T. 0.00 min

Lab File: BM024876.D

Acq: 14 Feb 2020 04:33

Instrument :

BNA_M

ClientSampleId :

CB6W5

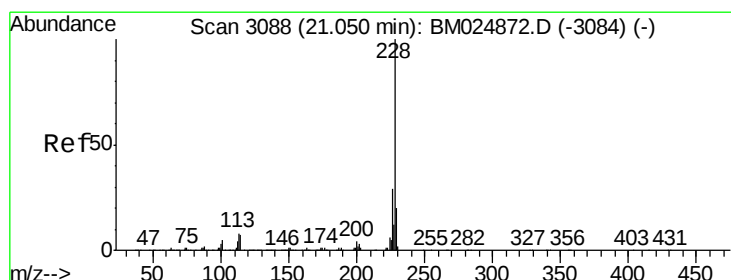
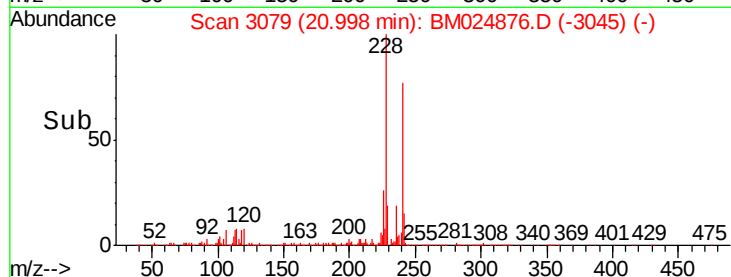
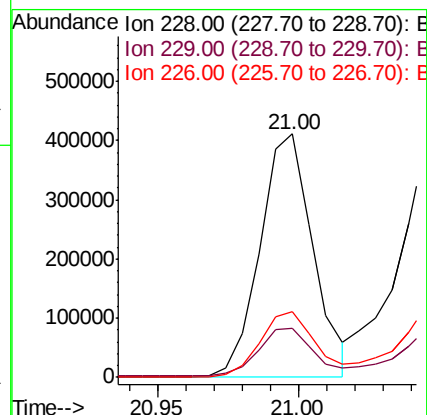
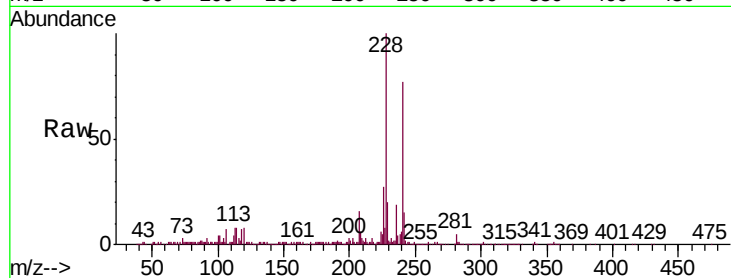
Tgt Ion:228 Resp: 532586

Ion Ratio Lower Upper

228 100

229 20.0 15.9 23.9

226 26.8 20.8 31.2



#85

Chrysene

Concen: 6.196 ng/ul

RT: 21.04 min Scan# 3087

Delta R.T. -0.01 min

Lab File: BM024876.D

Acq: 14 Feb 2020 04:33

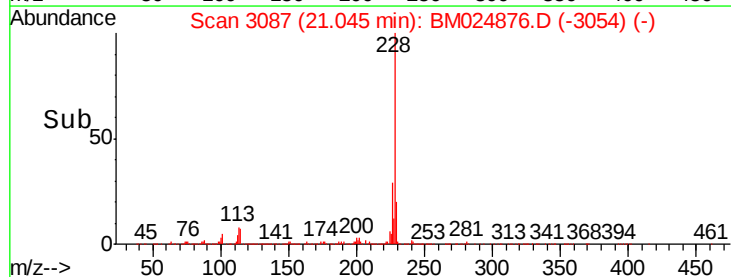
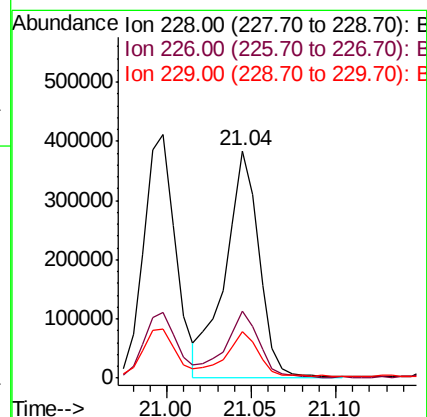
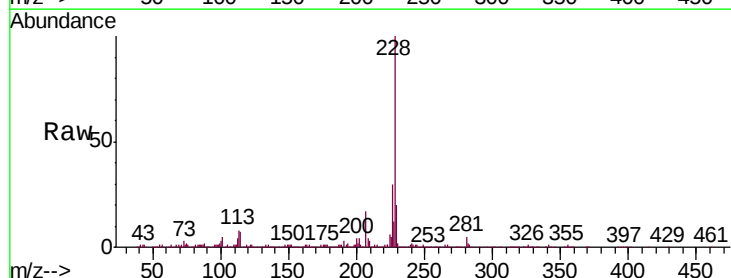
Tgt Ion:228 Resp: 532552

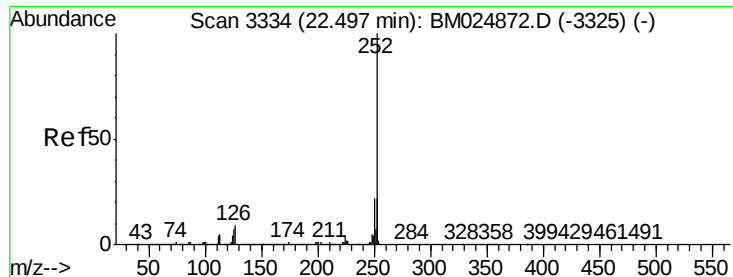
Ion Ratio Lower Upper

228 100

226 29.6 23.0 34.4

229 20.3 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 8.003 ng/ul

RT: 22.50 min Scan# 3334

Delta R.T. 0.00 min

Lab File: BM024876.D

Acq: 14 Feb 2020 04:33

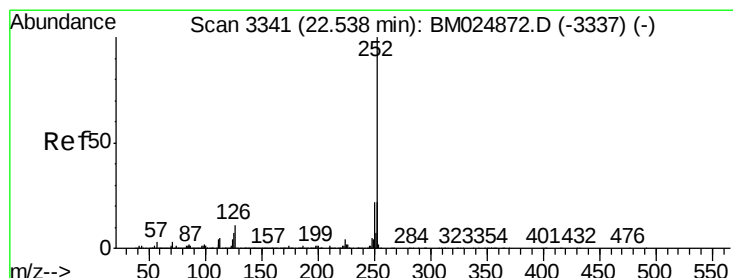
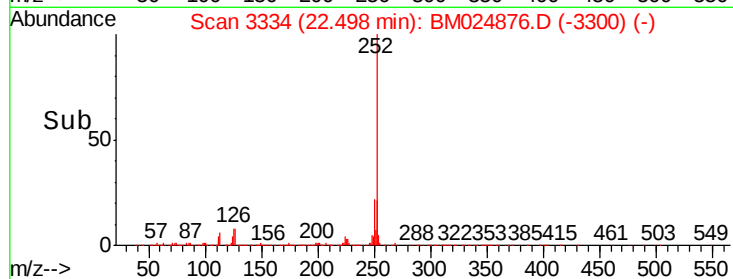
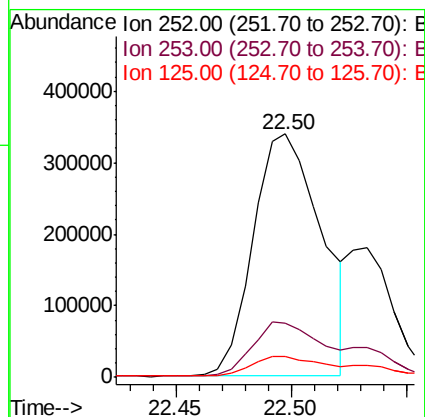
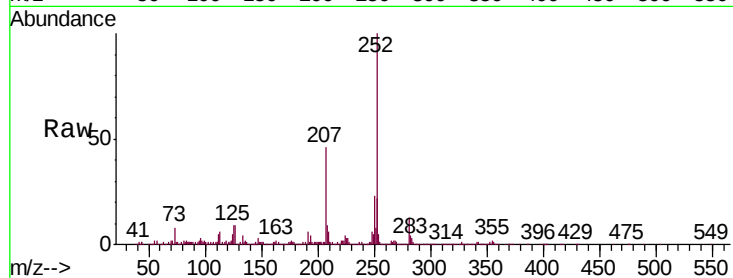
Instrument :

BNA_M

ClientSampleId :

CB6W5

Tgt Ion:	252	Resp:	695186
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.3	25.9
125	8.8	5.1	7.7#



#89

Benzo(k)fluoranthene

Concen: 8.315 ng/ul

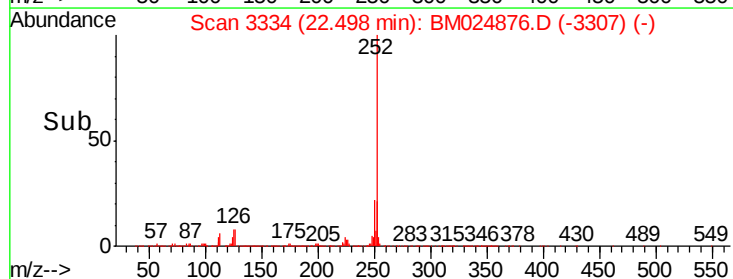
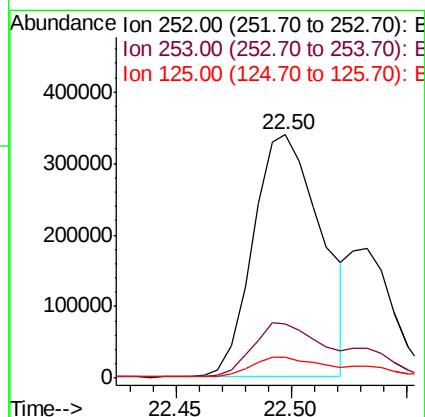
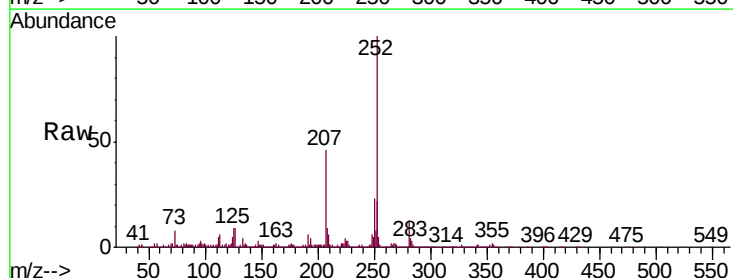
RT: 22.50 min Scan# 3334

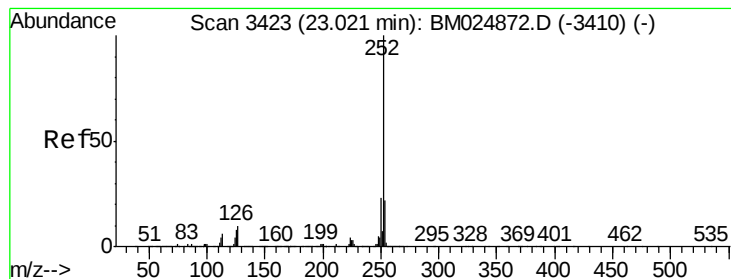
Delta R.T. -0.04 min

Lab File: BM024876.D

Acq: 14 Feb 2020 04:33

Tgt Ion:	252	Resp:	695186
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.4	26.0
125	8.8	5.1	7.7#





#91

Benzo(a)pyrene

Concen: 5.600 ng/ul

RT: 23.02 min Scan# 3423

Delta R.T. 0.00 min

Lab File: BM024876.D

Acq: 14 Feb 2020 04:33

Instrument :

BNA_M

ClientSampleId :

CB6W5

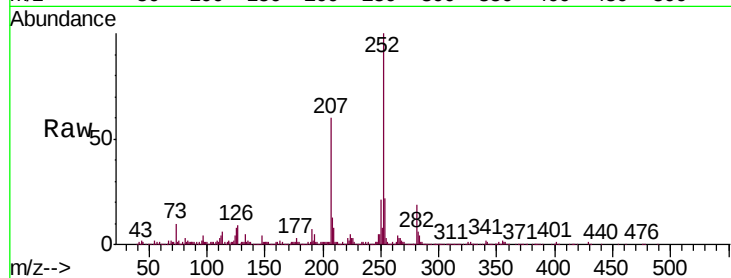
Tgt Ion:252 Resp: 436154

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

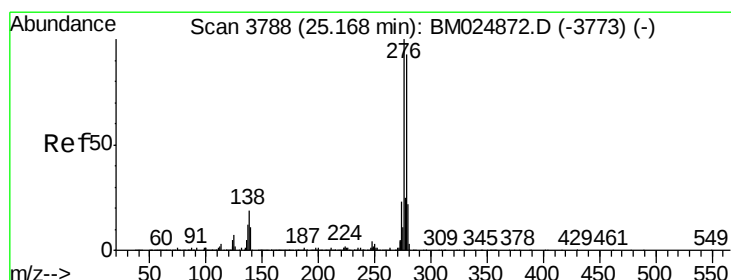
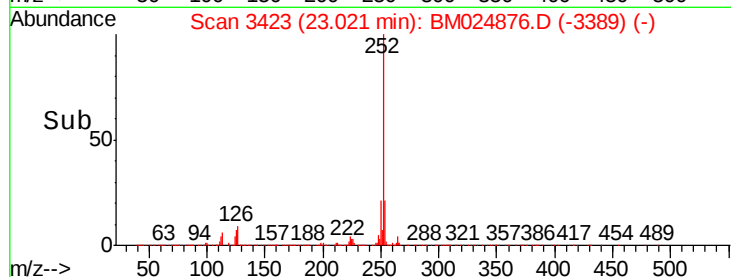
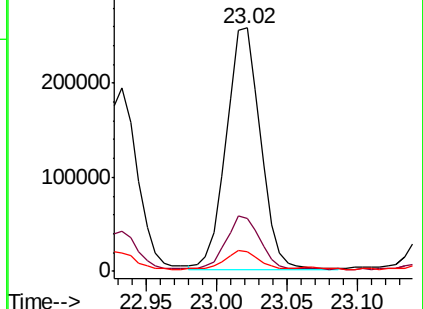
125 8.1 5.6 8.4



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: 3.351 ng/ul

RT: 25.16 min Scan# 3786

Delta R.T. -0.01 min

Lab File: BM024876.D

Acq: 14 Feb 2020 04:33

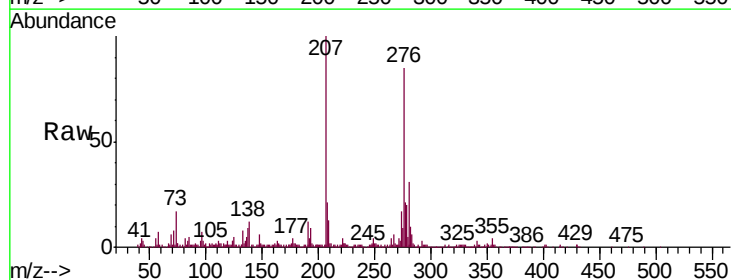
Tgt Ion:276 Resp: 324907

Ion Ratio Lower Upper

276 100

138 14.3 12.8 19.2

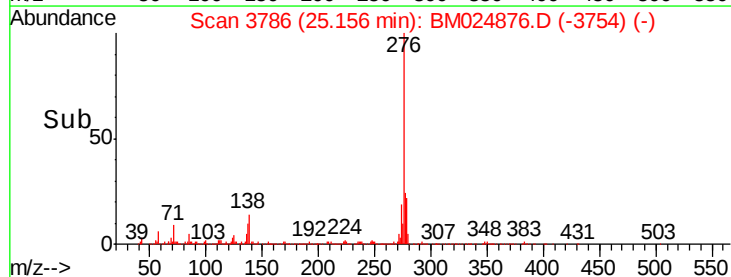
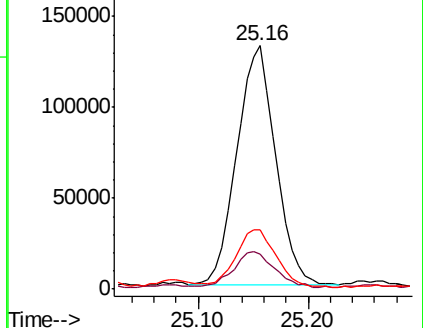
277 24.3 19.3 28.9

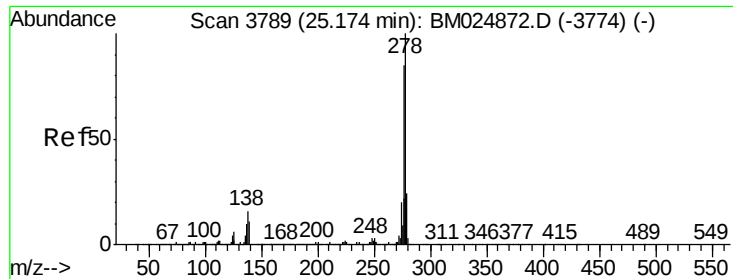


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 1.154 ng/ul

RT: 25.16 min Scan# 3787

Delta R.T. -0.01 min

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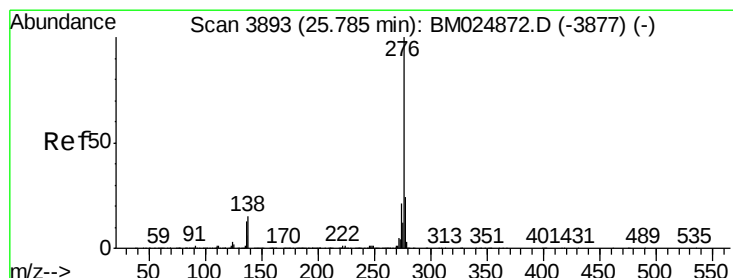
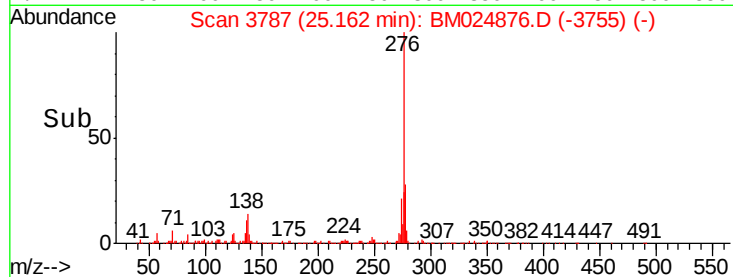
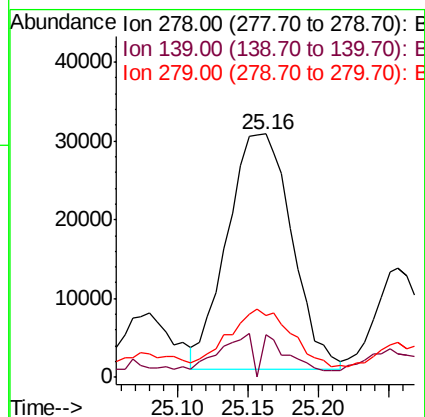
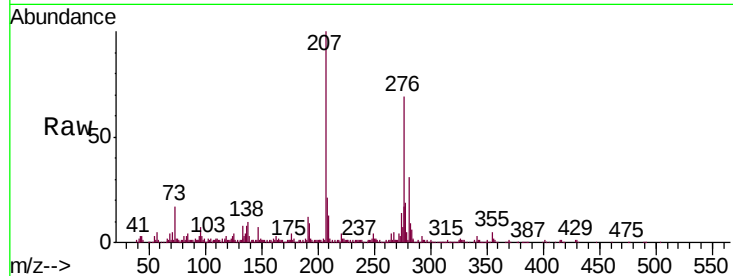
Tgt Ion:278 Resp: 95357

Ion Ratio Lower Upper

278 100

139 17.6 8.4 12.6#

279 25.7 18.5 27.7



#94

Benzo(g,h,i)perylene

Concen: 3.101 ng/ul

RT: 25.77 min Scan# 3890

Delta R.T. -0.02 min

Lab File: BM024876.D

Acq: 14 Feb 2020 04:33

Tgt Ion:276 Resp: 250015

Ion Ratio Lower Upper

276 100

138 16.2 11.8 17.6

277 24.4 19.0 28.6

