

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\
 Data File : BM024788.D
 Acq On : 08 Feb 2020 07:52
 Operator : CG/JU
 Sample : L1400-08
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 10 00:11:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 07 07:38:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	317517	20.00	ng/ul	0.00
18) Naphthalene-d8	10.16	136	1245966	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.06	164	818843	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.81	188	1775283	20.00	ng/ul	0.00
78) Chrysene-d12	21.02	240	1710947	20.00	ng/ul	-0.01
86) Perylene-d12	23.13	264	1769327	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	21867	3.31	ng/uL	0.00
5) Phenol-d5	6.60	99	369444	17.52	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.76	67	247657	20.79	ng/ul	0.00
9) 2-Chlorophenol-d4	6.95	132	350968	18.57	ng/ul	0.00
13) 4-Methylphenol-d8	8.12	113	326661	18.35	ng/ul	-0.01
19) Nitrobenzene-d5	8.54	128	182829	20.29	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.26	143	209180	19.65	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	367390	17.11	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.30	131	463152	23.06	ng/ul	0.00
44) Dimethylphthalate-d6	13.48	166	1301100	21.05	ng/ul	0.00
47) Acenaphthylene-d8	13.74	160	1348883	18.69	ng/ul	0.00
52) 4-Nitrophenol-d4	14.28	143	159692	15.90	ng/ul	0.00
58) Fluorene-d10	15.06	176	1051732	19.22	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.19	200	186562	16.12	ng/ul	0.00
71) Anthracene-d10	16.91	188	1534558	18.94	ng/ul	0.00
79) Pyrene-d10	19.22	212	1670723	19.52	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.00	264	1641402	18.47	ng/ul	0.00

Target Compounds

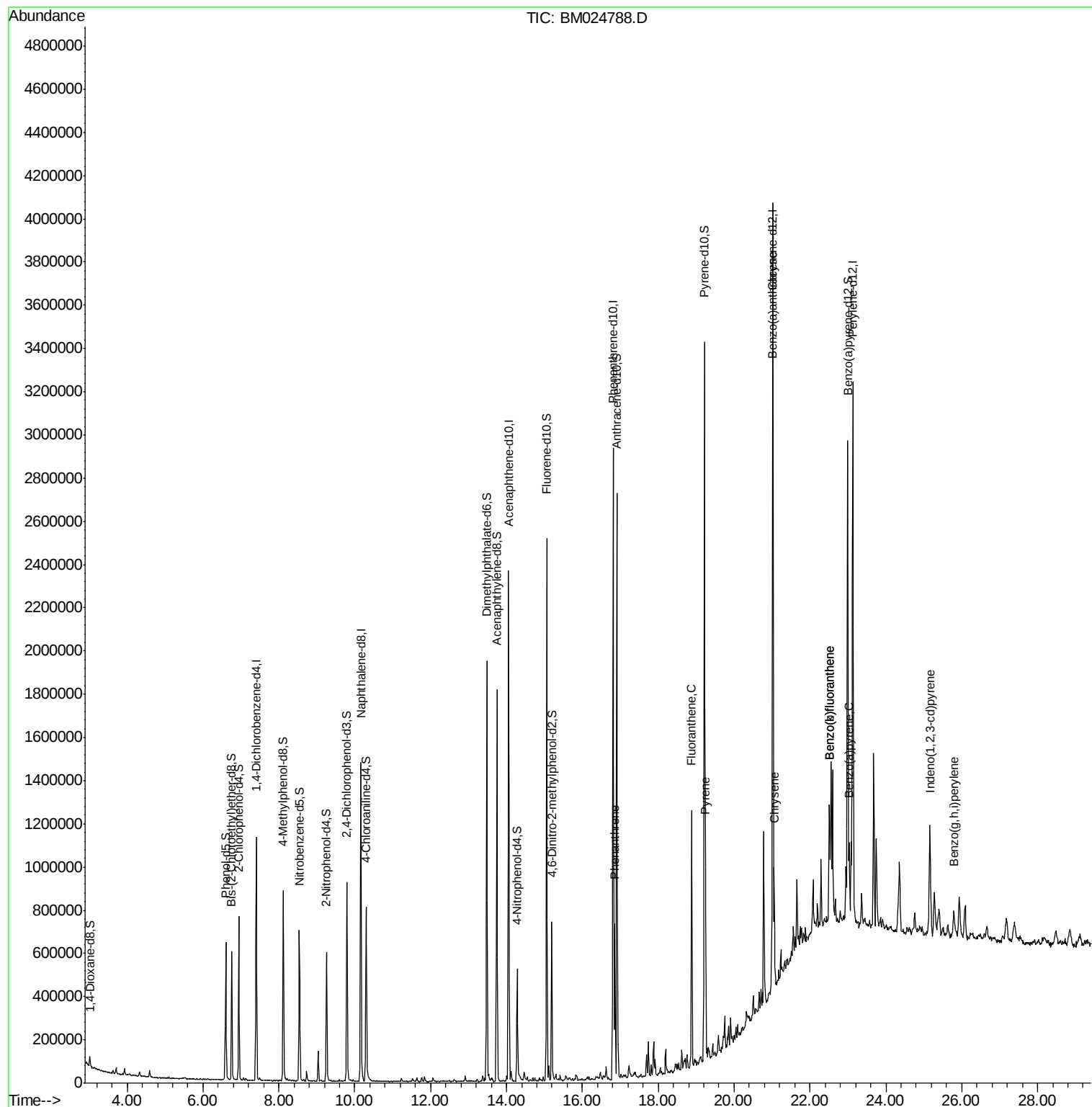
					Ovalue	
70) Phenanthrene	16.85	178	425731	4.398	ng/ul	99
77) Fluoranthene	18.88	202	721588	6.073	ng/ul	99
80) Pyrene	19.24	202	561263	4.956	ng/ul	99
83) Benzo(a)anthracene	21.01	228	345103	2.994	ng/ul	98
85) Chrysene	21.06	228	335287	2.955	ng/ul	99
88) Benzo(b)fluoranthene	22.51	252	468000	4.160	ng/ul#	98
89) Benzo(k)fluoranthene	22.51	252	468000	4.322	ng/ul#	98
91) Benzo(a)pyrene	23.03	252	253122	2.509	ng/ul#	99
92) Indeno(1,2,3-cd)pyrene	25.17	276	198980	1.585	ng/ul	98
94) Benzo(g,h,i)perylene	25.80	276	144275	1.381	ng/ul	99

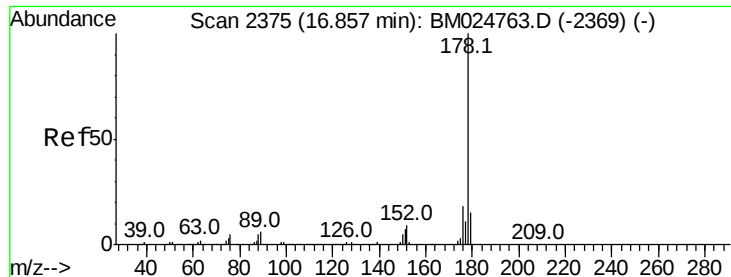
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 07 07:38:13 2020
Response via : Initial Calibration





#70

Phenanthrene

Concen: 4.398 ng/ul

RT: 16.85 min Scan# 2374

Delta R.T. -0.01 min

Lab File: BM024788.D

Acq: 08 Feb 2020 07:52

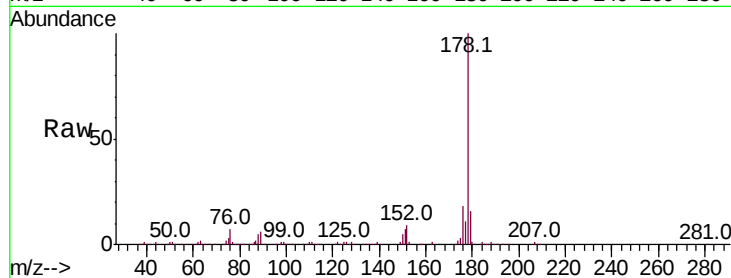
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 425731

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.2	18.2
176	18.4	14.5	21.7

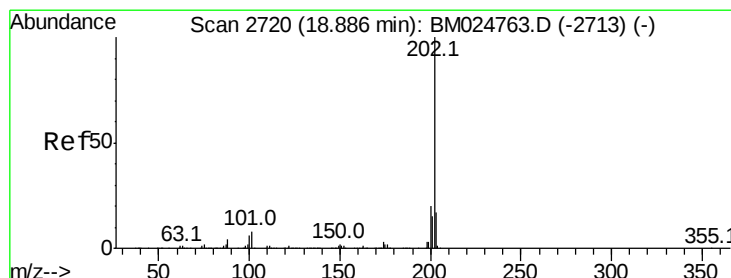
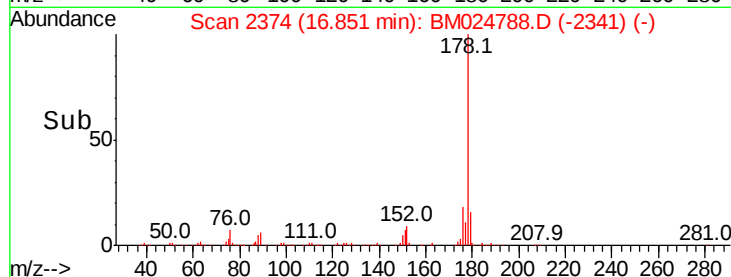
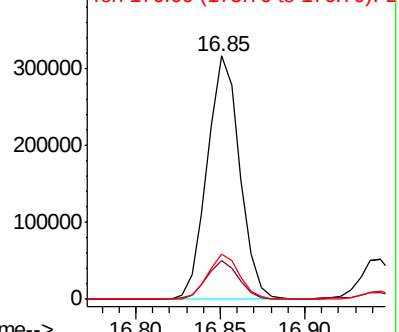


Abundance

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: 6.073 ng/ul

RT: 18.88 min Scan# 2719

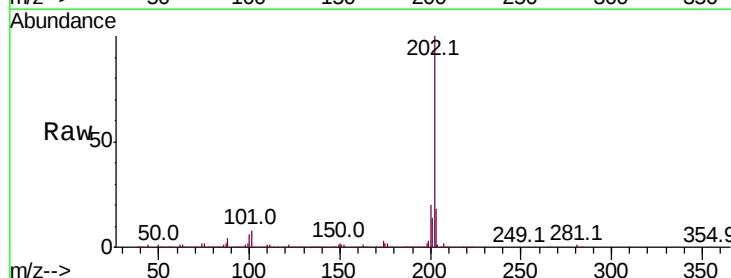
Delta R.T. -0.01 min

Lab File: BM024788.D

Acq: 08 Feb 2020 07:52

Tgt Ion:202 Resp: 721588

Ion	Ratio	Lower	Upper
202	100		
101	8.0	6.1	9.1
100	6.2	4.8	7.2

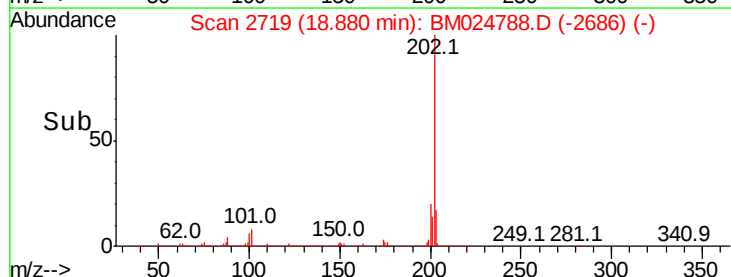
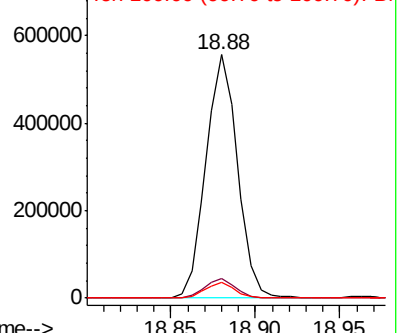


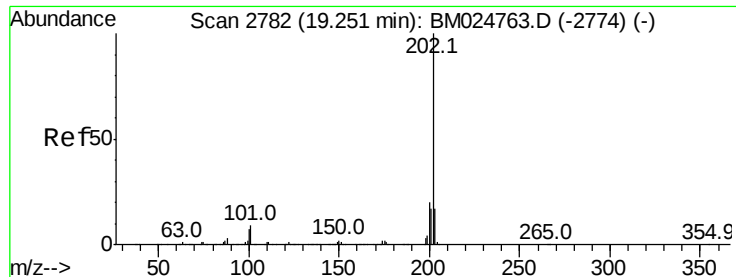
Abundance

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

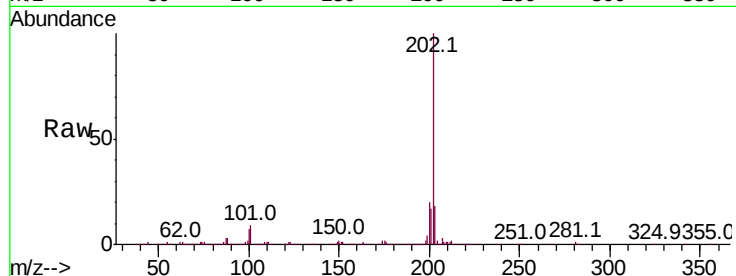




#80
Pvrene
Concen: 4.956 ng/ul
RT: 19.24 min Scan# 2781
Delta R.T. -0.01 min
Lab File: BM024788.D
Acq: 08 Feb 2020 07:52

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
100	7.4	5.8	8.8

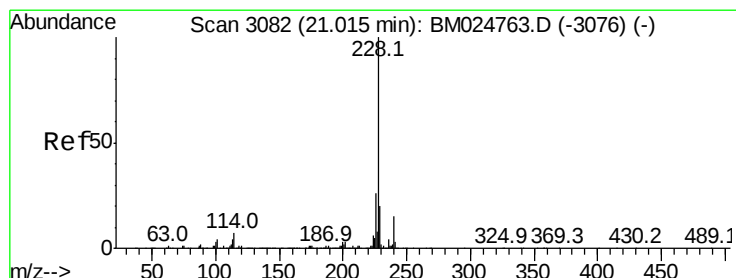
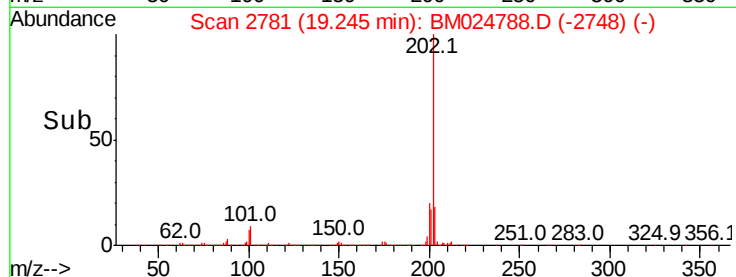
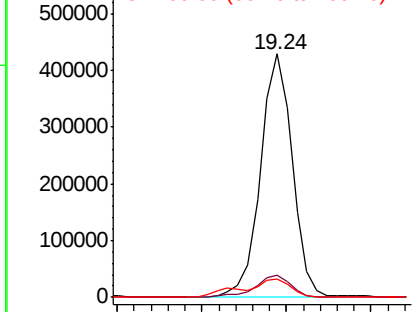


Abundance

Ion 202.00 (201.70 to 202.70): E

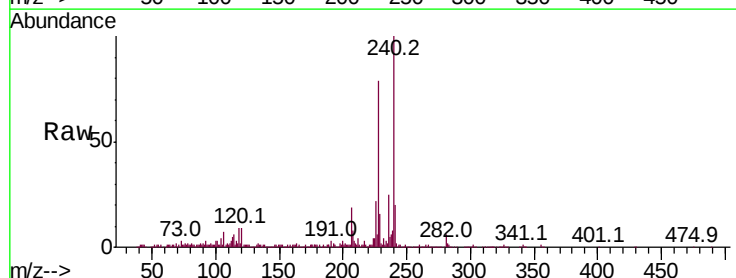
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#83
Benzo(a)anthracene
Concen: 2.994 ng/ul
RT: 21.01 min Scan# 3081
Delta R.T. -0.01 min
Lab File: BM024788.D
Acq: 08 Feb 2020 07:52

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.9	23.9
226	27.8	20.8	31.2

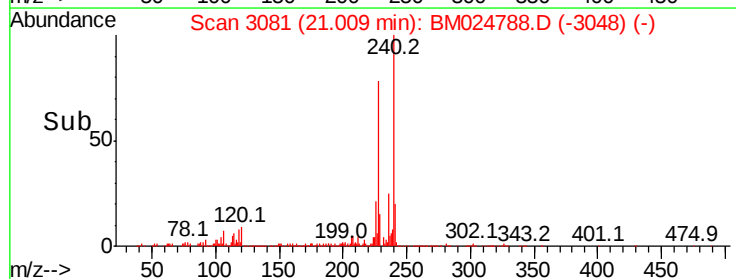
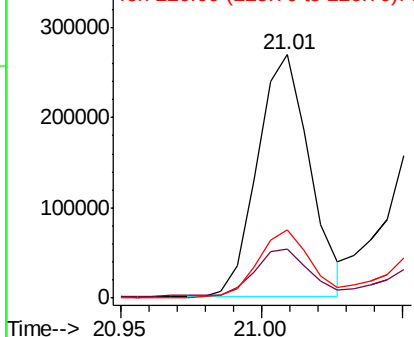


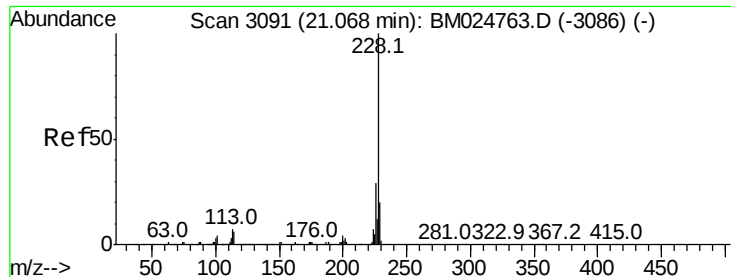
Abundance

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: 2.955 ng/ul

RT: 21.06 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BM024788.D

Acq: 08 Feb 2020 07:52

Instrument :

BNA_M

ClientSampleId :

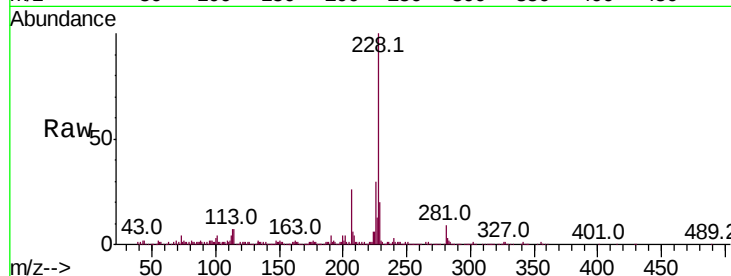
Tot Ion:228 Resp: 335287

Ion Ratio Lower Upper

228 100

226 29.7 23.0 34.4

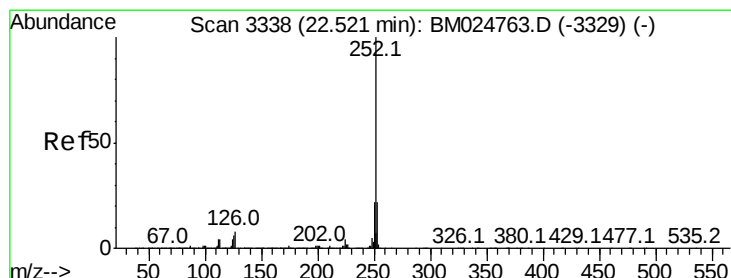
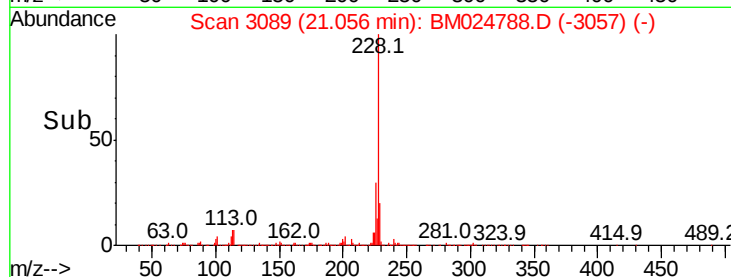
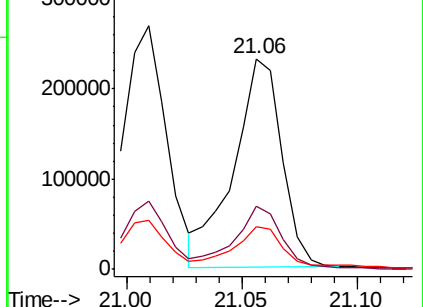
229 20.1 15.8 23.8



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: 4.160 ng/ul

RT: 22.51 min Scan# 3336

Delta R.T. -0.01 min

Lab File: BM024788.D

Acq: 08 Feb 2020 07:52

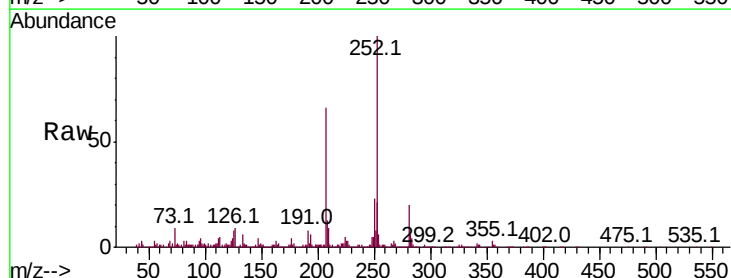
Tgt Ion:252 Resp: 468000

Ion Ratio Lower Upper

252 100

253 21.2 17.3 25.9

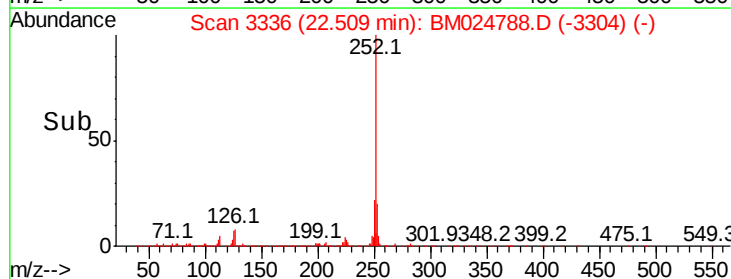
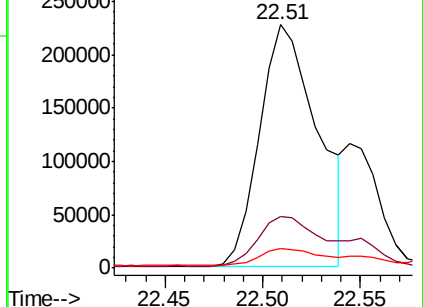
125 7.9 5.1 7.7#

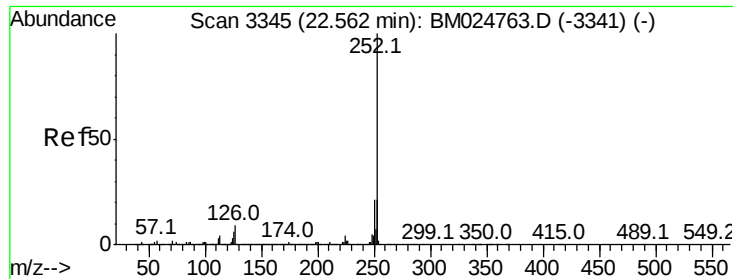


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 4.322 ng/ul

RT: 22.51 min Scan# 3336

Delta R.T. -0.05 min

Lab File: BM024788.D

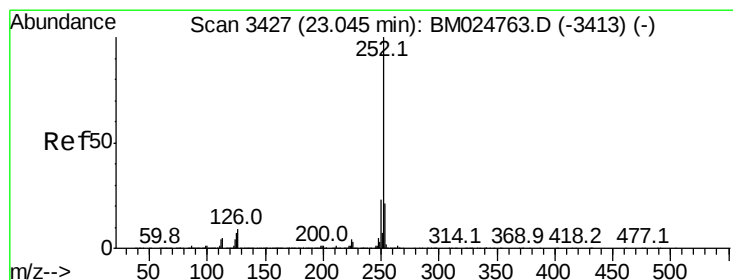
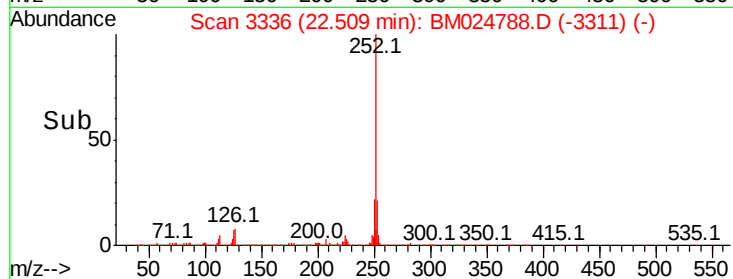
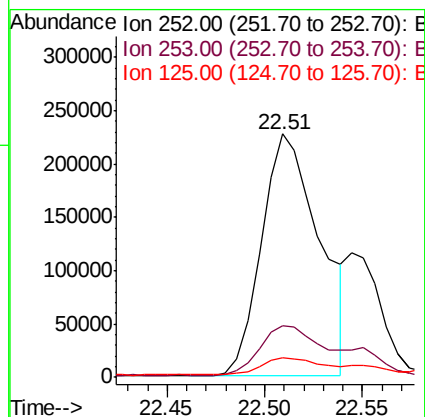
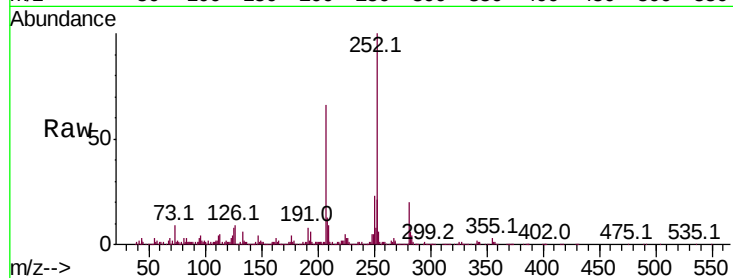
Acq: 08 Feb 2020 07:52

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	468000
Ion Ratio	Lower	Upper
252	100	
253	21.2	17.4 26.0
125	7.9	5.1 7.7#



#91

Benzo(a)pyrene

Concen: 2.509 ng/ul

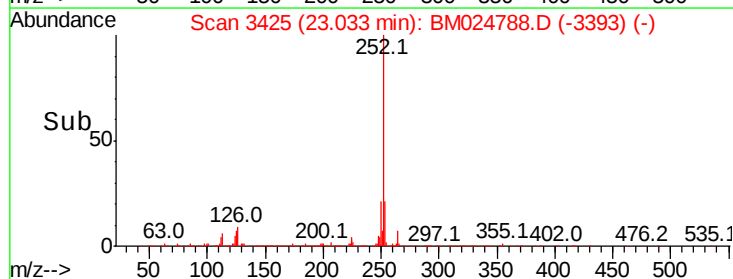
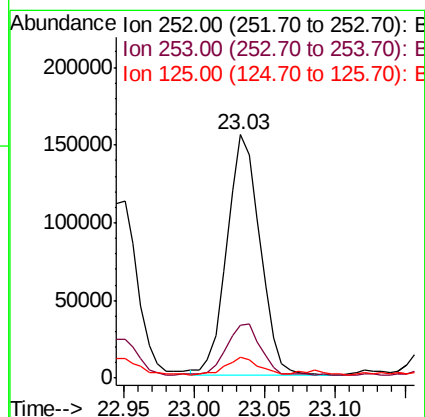
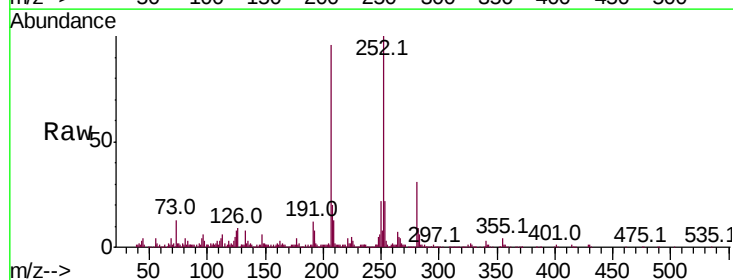
RT: 23.03 min Scan# 3425

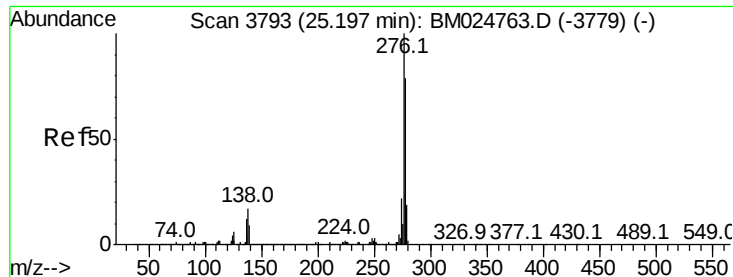
Delta R.T. -0.01 min

Lab File: BM024788.D

Acq: 08 Feb 2020 07:52

Tgt Ion:252	Resp:	253122
Ion Ratio	Lower	Upper
252	100	
253	21.9	17.5 26.3
125	8.4	5.6 8.4#



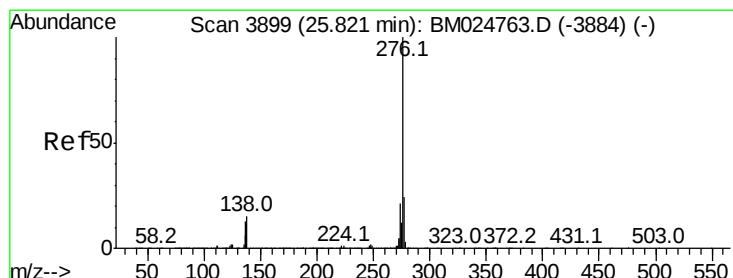
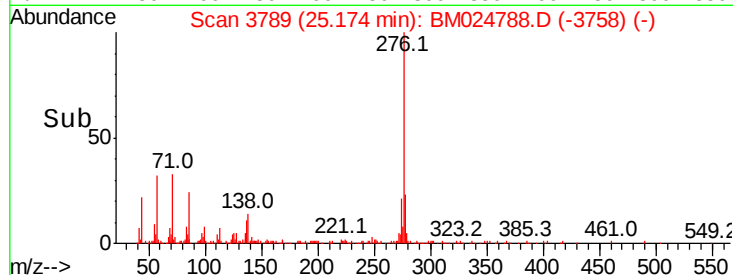
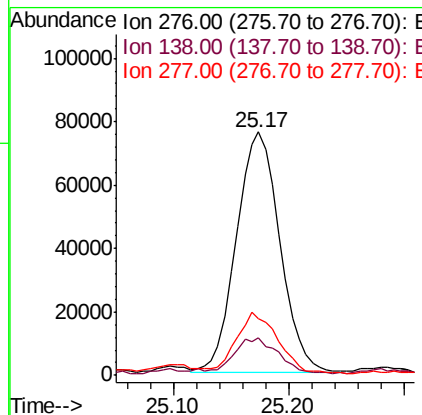
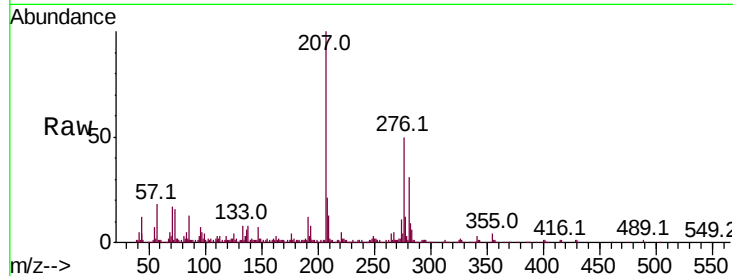


#92

Indeno(1,2,3-cd)pyrene
Concen: 1.585 ng/ul
RT: 25.17 min Scan# 3789
Delta R.T. -0.02 min
Lab File: BM024788.D
Acq: 08 Feb 2020 07:52

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.3	12.8	19.2
277	23.3	19.3	28.9



#94

Benzo(g,h,i)perylene
Concen: 1.381 ng/ul
RT: 25.80 min Scan# 3895
Delta R.T. -0.02 min
Lab File: BM024788.D
Acq: 08 Feb 2020 07:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.5	11.8	17.6
277	24.3	19.0	28.6

