

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\
 Data File : BM024790.D
 Acq On : 08 Feb 2020 09:04
 Operator : CG/JU
 Sample : L1400-10
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 10 00:11:33 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	309540	20.00	ng/ul	0.00
18) Naphthalene-d8	10.16	136	1208112	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.06	164	803226	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.81	188	1730045	20.00	ng/ul	0.00
78) Chrysene-d12	21.02	240	1694092	20.00	ng/ul	-0.01
86) Perylene-d12	23.13	264	1725358	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	26820	4.17	ng/uL	0.00
5) Phenol-d5	6.60	99	450121	21.89	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.76	67	294714	25.38	ng/ul	0.00
9) 2-Chlorophenol-d4	6.95	132	419760	22.78	ng/ul	0.00
13) 4-Methylphenol-d8	8.12	113	388752	22.40	ng/ul	-0.01
19) Nitrobenzene-d5	8.54	128	222315	25.45	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.26	143	262708	25.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	454279	21.82	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.30	131	568848	29.20	ng/ul	0.00
44) Dimethylphthalate-d6	13.48	166	1598974	26.37	ng/ul	0.00
47) Acenaphthylene-d8	13.74	160	1682042	23.75	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.28	143	208848	21.20	ng/ul	0.00
58) Fluorene-d10	15.06	176	1317094	24.53	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.19	200	243095	21.56	ng/ul	0.00
71) Anthracene-d10	16.91	188	1899797	24.05	ng/ul	0.00
79) Pyrene-d10	19.22	212	2028539	23.94	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.00	264	2016912	23.28	ng/ul	0.00

Target Compounds

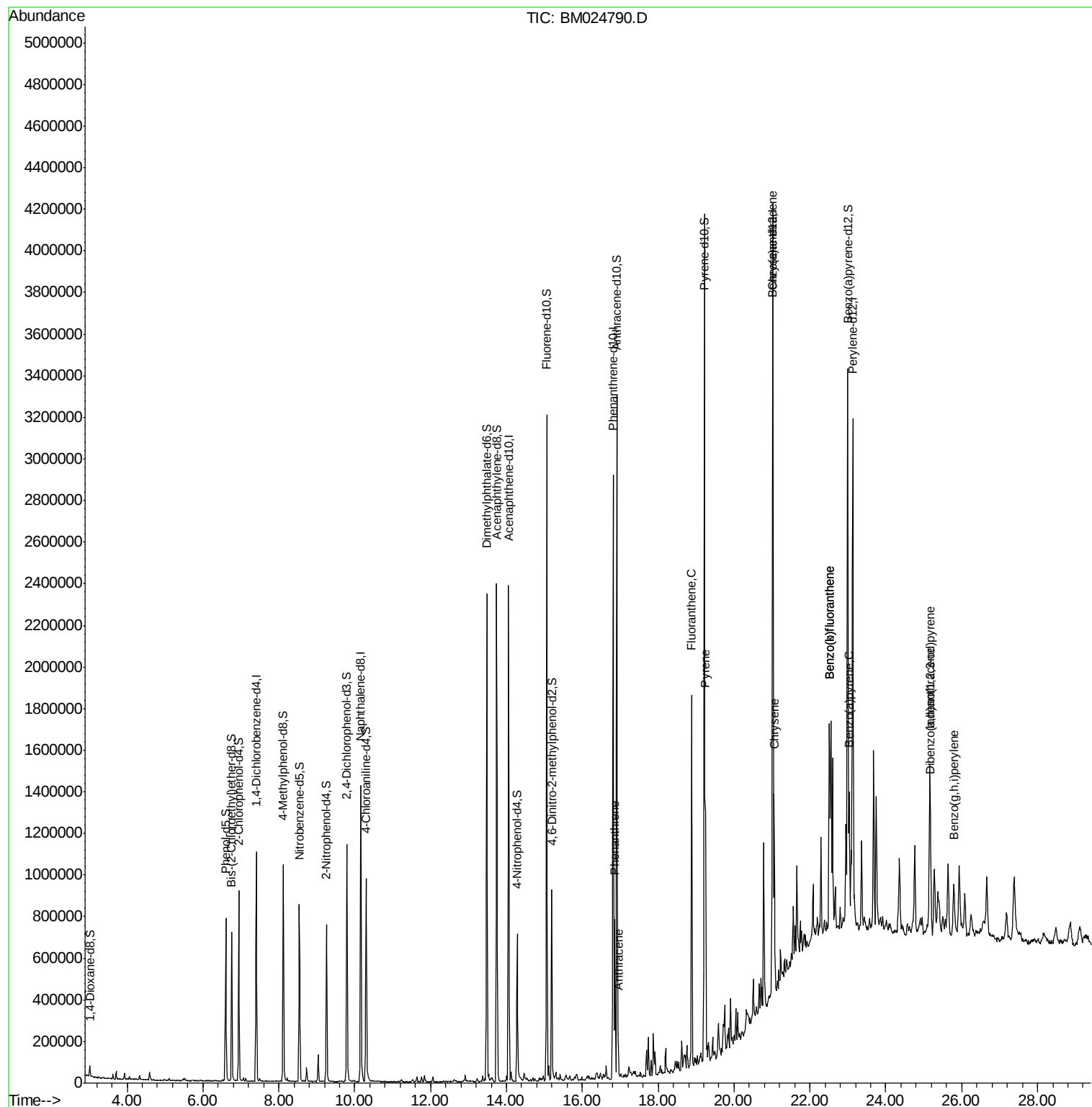
					Ovalue	
70) Phenanthrene	16.85	178	458122	4.857	ng/ul	99
72) Anthracene	16.94	178	104326	1.091	ng/ul	99
77) Fluoranthene	18.88	202	1061619	9.168	ng/ul	99
80) Pyrene	19.24	202	958519	8.548	ng/ul	99
83) Benzo(a)anthracene	21.01	228	556632	4.878	ng/ul	97
85) Chrysene	21.06	228	581884	5.179	ng/ul	99
88) Benzo(b)fluoranthene	22.51	252	884931	8.066	ng/ul	98
89) Benzo(k)fluoranthene	22.51	252	884931	8.380	ng/ul	99
91) Benzo(a)pyrene	23.03	252	467271	4.751	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.17	276	389245	3.179	ng/ul	98
93) Dibenzo(a,h)anthracene	25.19	278	116746	1.119	ng/ul#	89
94) Benzo(g,h,i)perylene	25.80	276	298402	2.930	ng/ul	99

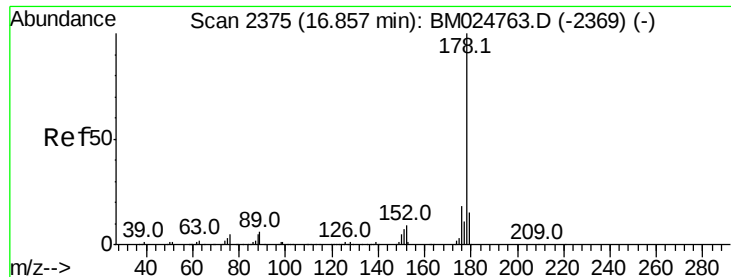
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\
Data File : BM024790.D
Acq On : 08 Feb 2020 09:04
Operator : CG/JU
Sample : L1400-10
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Feb 10 00:11:33 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





#70

Phenanthrene

Concen: 4.857 ng/ul

RT: 16.85 min Scan# 2374

Delta R.T. -0.01 min

Lab File: BM024790.D

Acq: 08 Feb 2020 09:04

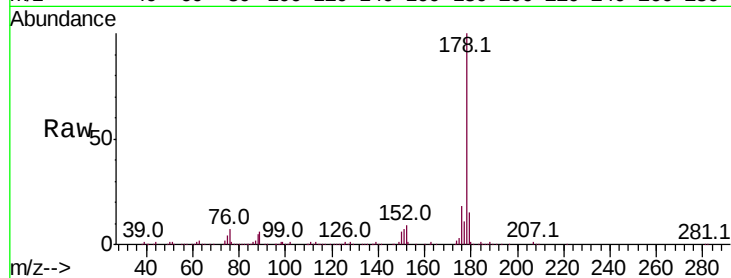
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 458122

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	18.4	14.5	21.7

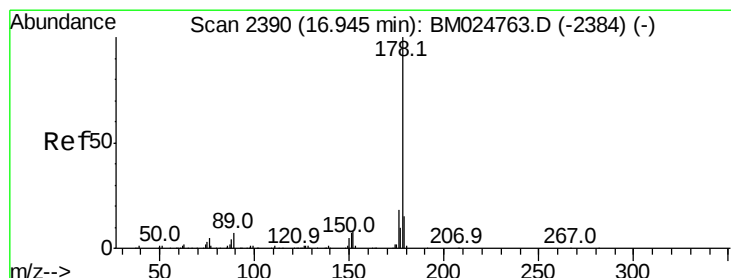
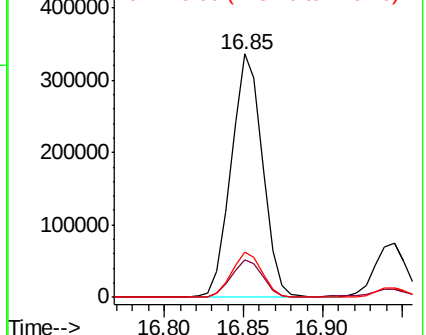
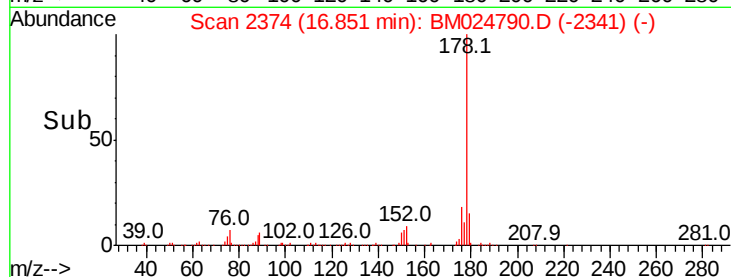


Abundance

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



#72

Anthracene

Concen: 1.091 ng/ul

RT: 16.94 min Scan# 2390

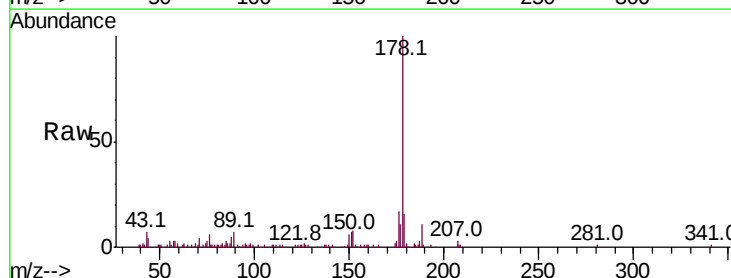
Delta R.T. -0.01 min

Lab File: BM024790.D

Acq: 08 Feb 2020 09:04

Tgt Ion:178 Resp: 104326

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.3	18.5
176	17.4	14.1	21.1

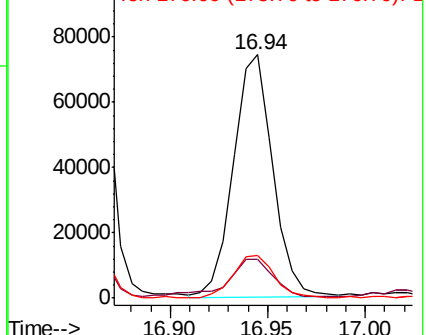
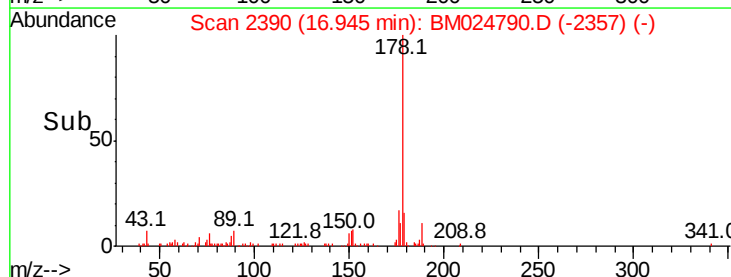


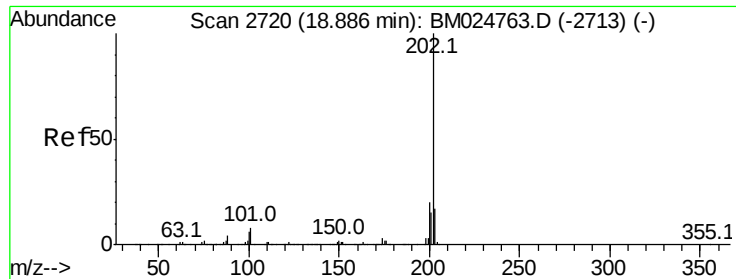
Abundance

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: 9.168 ng/ul

RT: 18.88 min Scan# 2719

Delta R.T. -0.01 min

Lab File: BM024790.D

Acq: 08 Feb 2020 09:04

Instrument :

BNA_M

ClientSampleId :

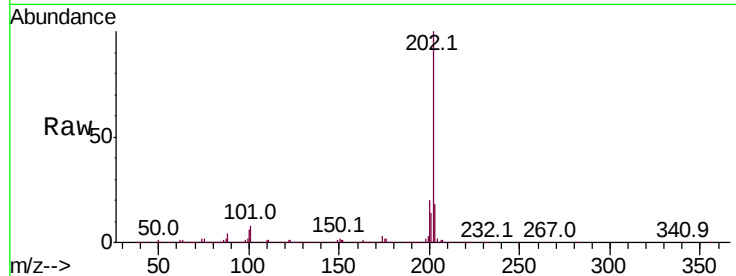
Tot Ion:202 Resp: 1061619

Ion Ratio Lower Upper

202 100

101 7.9 6.1 9.1

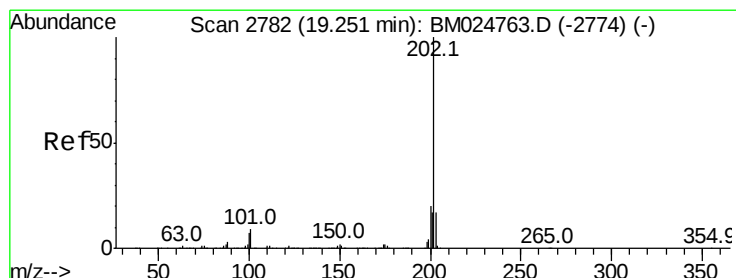
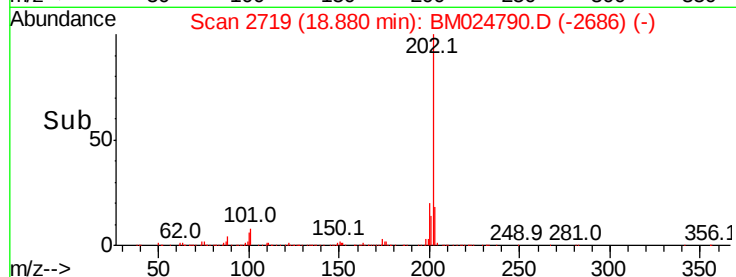
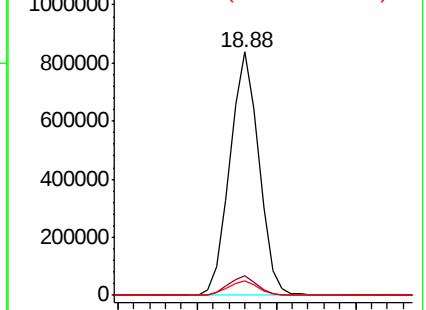
100 6.1 4.8 7.2



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: 8.548 ng/ul

RT: 19.24 min Scan# 2781

Delta R.T. -0.01 min

Lab File: BM024790.D

Acq: 08 Feb 2020 09:04

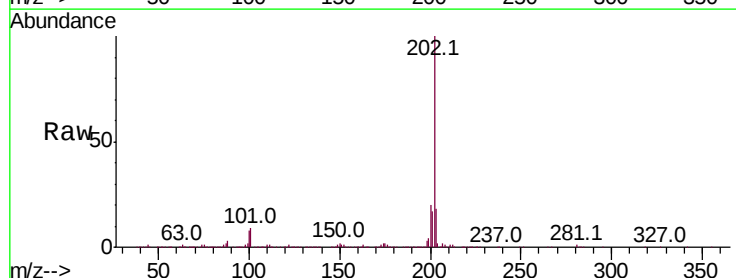
Tgt Ion:202 Resp: 958519

Ion Ratio Lower Upper

202 100

101 8.8 7.0 10.4

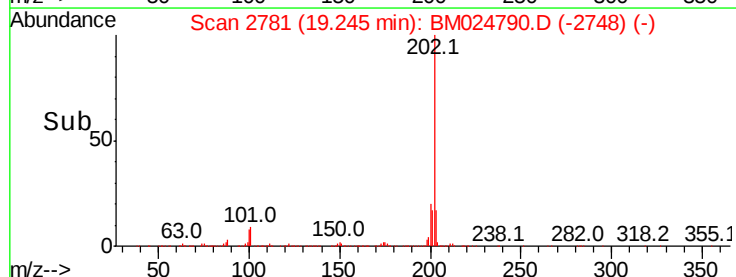
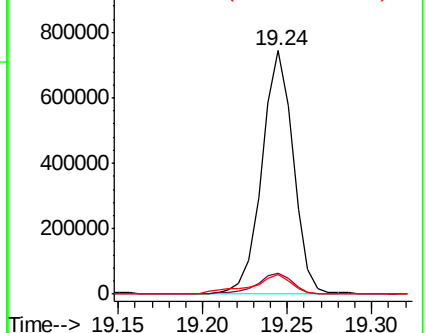
100 7.8 5.8 8.8

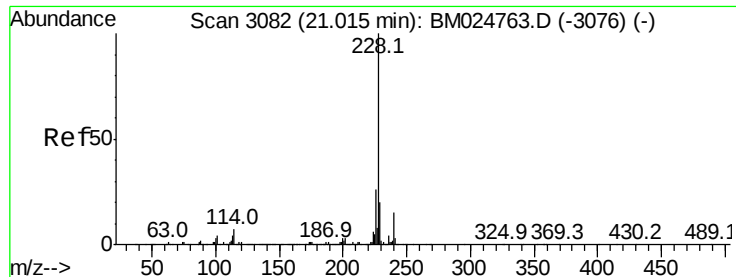


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

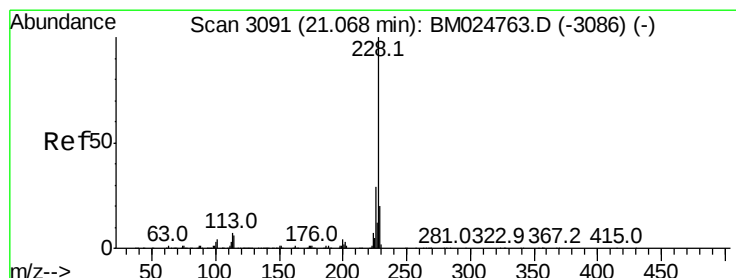
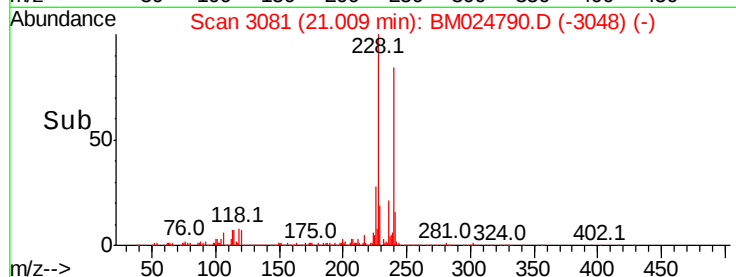
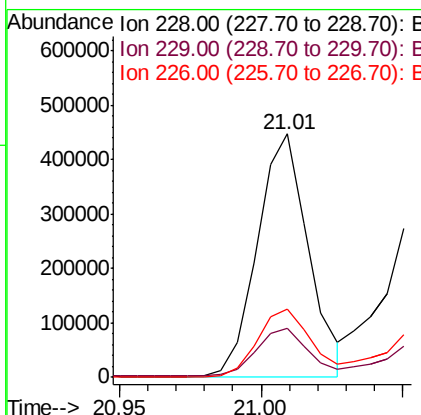
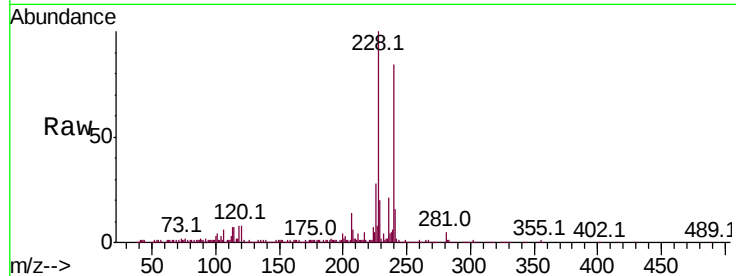




#83
Benzo(a)anthracene
Concen: 4.878 ng/ul
RT: 21.01 min Scan# 3081
Delta R.T. -0.01 min
Lab File: BM024790.D
Acq: 08 Feb 2020 09:04

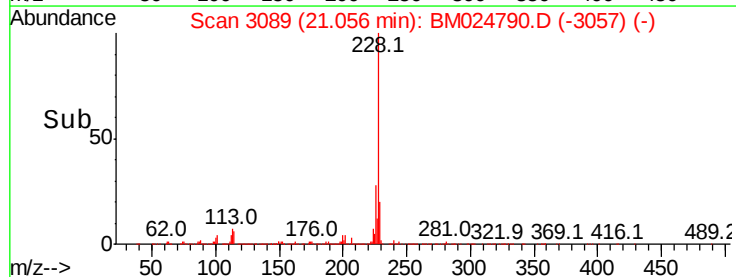
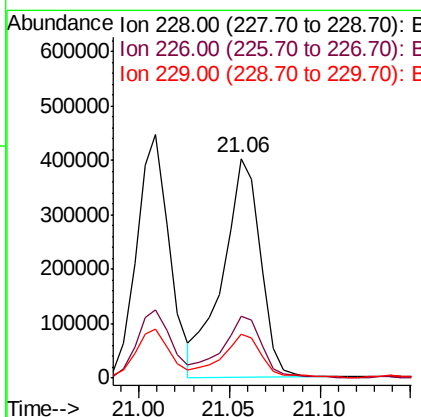
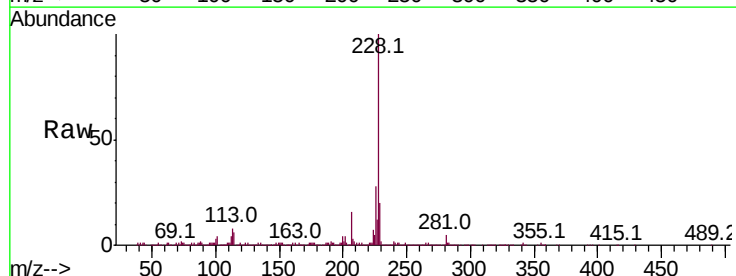
Instrument :
BNA_M
ClientSampleId :

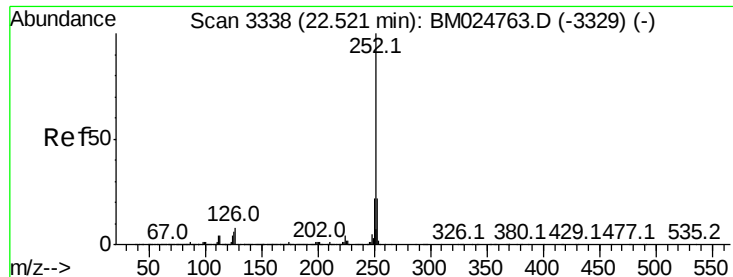
Tot Ion:228 Resp: 556632
Ion Ratio Lower Upper
228 100
229 20.0 15.9 23.9
226 28.2 20.8 31.2



#85
Chrysene
Concen: 5.179 ng/ul
RT: 21.06 min Scan# 3089
Delta R.T. -0.01 min
Lab File: BM024790.D
Acq: 08 Feb 2020 09:04

Tgt Ion:228 Resp: 581884
Ion Ratio Lower Upper
228 100
226 28.0 23.0 34.4
229 20.1 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 8.066 ng/ul

RT: 22.51 min Scan# 3336

Delta R.T. -0.01 min

Lab File: BM024790.D

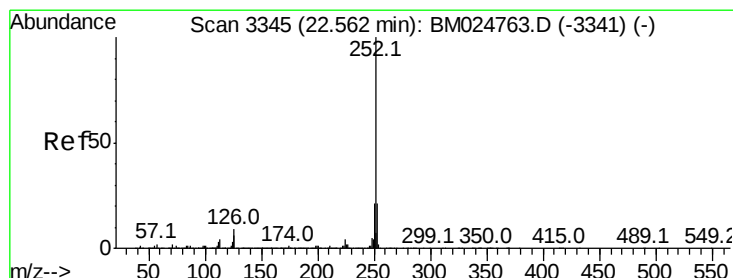
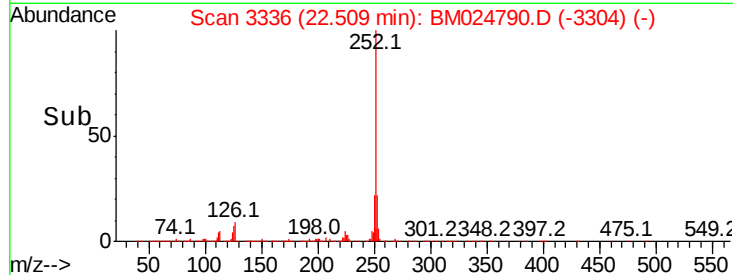
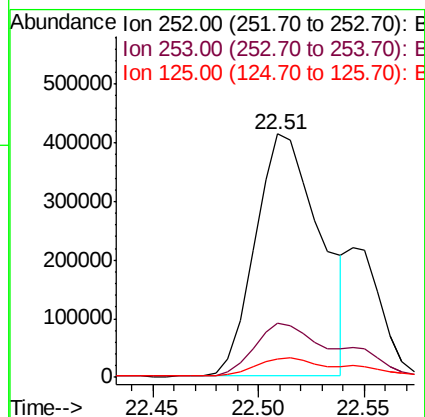
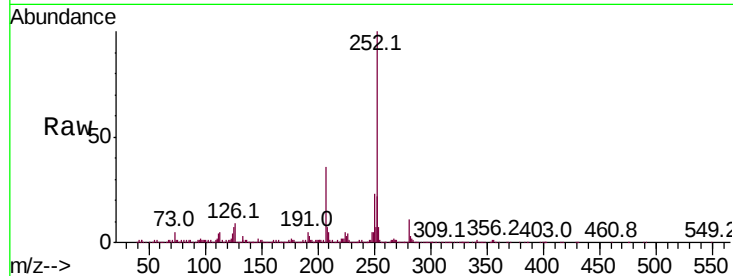
Acq: 08 Feb 2020 09:04

Instrument :

BNA_M

ClientSampled :

Tot Ion:252	Resp:	884931
Ion Ratio	Lower	Upper
252	100	
253	22.1	17.3 25.9
125	7.5	5.1 7.7



#89

Benzo(k)fluoranthene

Concen: 8.380 ng/ul

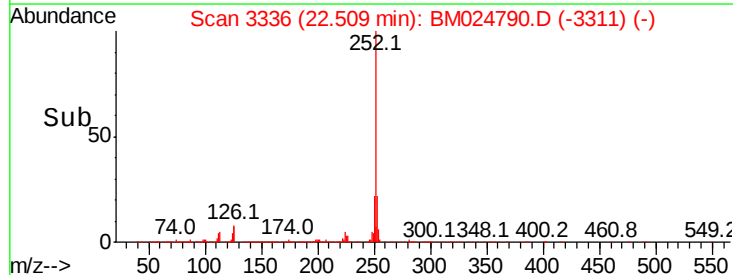
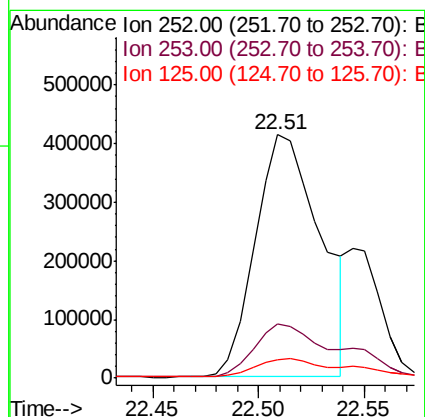
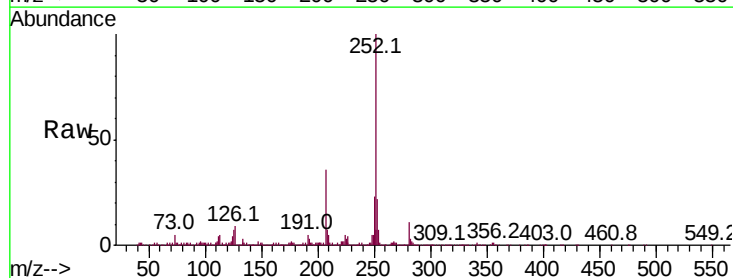
RT: 22.51 min Scan# 3336

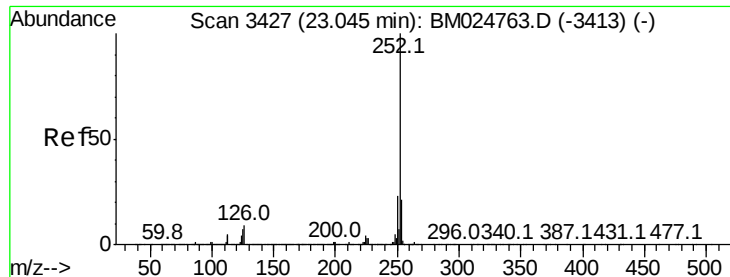
Delta R.T. -0.05 min

Lab File: BM024790.D

Acq: 08 Feb 2020 09:04

Tgt Ion:252	Resp:	884931
Ion Ratio	Lower	Upper
252	100	
253	22.1	17.4 26.0
125	7.5	5.1 7.7





#91

Benzo(a)pyrene

Concen: 4.751 ng/ul

RT: 23.03 min Scan# 3425

Delta R.T. -0.01 min

Lab File: BM024790.D

Acq: 08 Feb 2020 09:04

Instrument :

BNA_M

ClientSampleId :

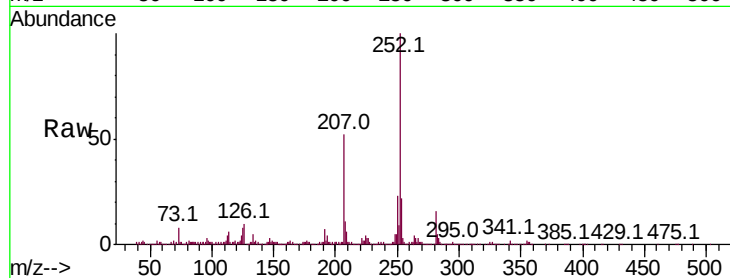
Tot Ion:252 Resp: 467271

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

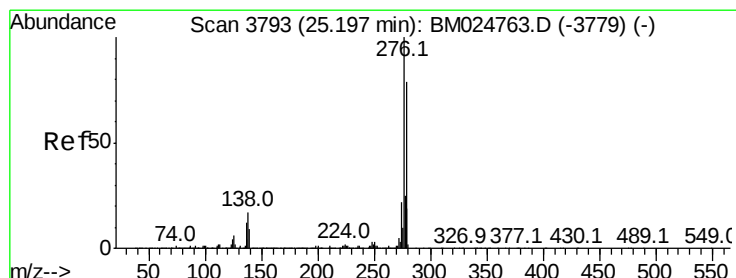
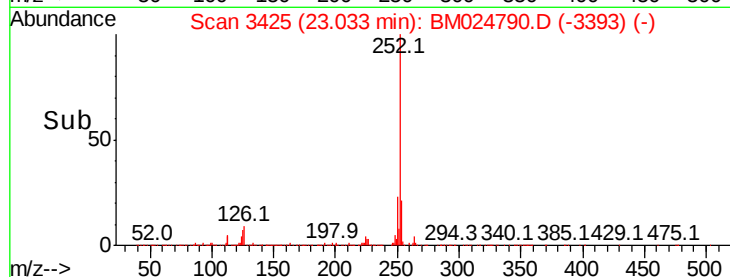
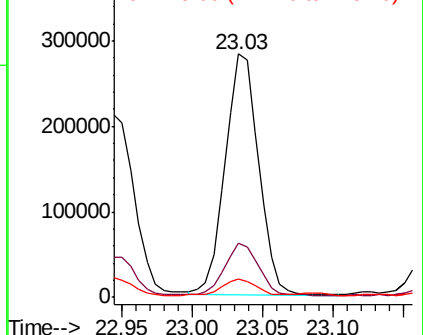
125 7.6 5.6 8.4



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: 3.179 ng/ul

RT: 25.17 min Scan# 3789

Delta R.T. -0.02 min

Lab File: BM024790.D

Acq: 08 Feb 2020 09:04

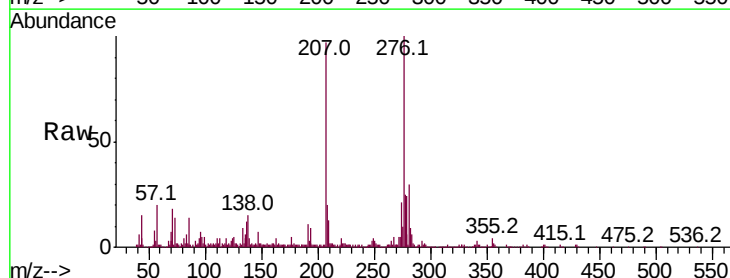
Tgt Ion:276 Resp: 389245

Ion Ratio Lower Upper

276 100

138 14.6 12.8 19.2

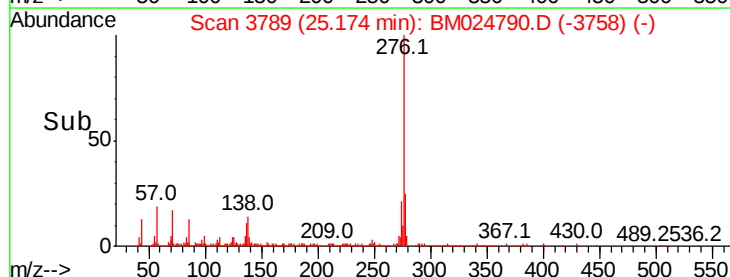
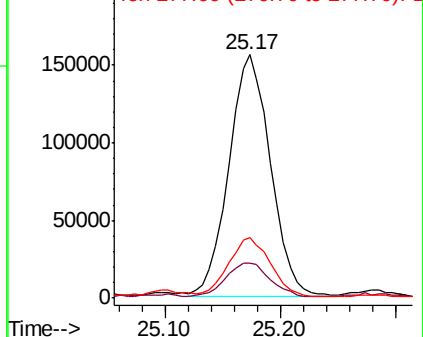
277 25.0 19.3 28.9

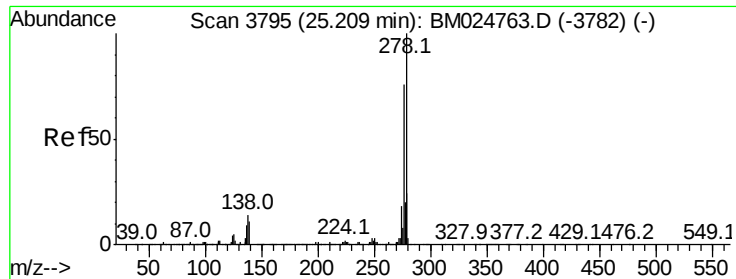


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 1.119 ng/ul

RT: 25.19 min Scan# 3791

Delta R.T. -0.02 min

Lab File: BM024790.D

Acq: 08 Feb 2020 09:04

Instrument :

BNA_M

ClientSampleId :

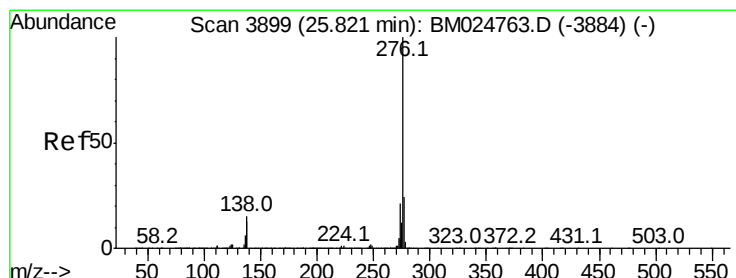
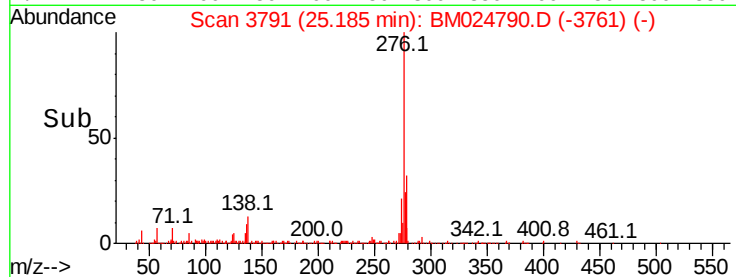
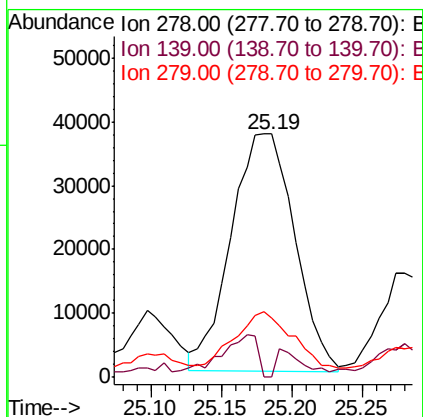
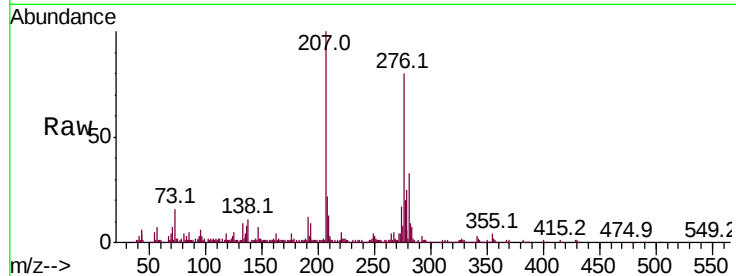
Tot Ion:278 Resp: 116746

Ion Ratio Lower Upper

278 100

139 0.0 8.4 12.6#

279 24.4 18.5 27.7



#94

Benzo(g,h,i)perylene

Concen: 2.930 ng/ul

RT: 25.80 min Scan# 3895

Delta R.T. -0.02 min

Lab File: BM024790.D

Acq: 08 Feb 2020 09:04

Tgt Ion:276 Resp: 298402

Ion Ratio Lower Upper

276 100

138 14.4 11.8 17.6

277 22.9 19.0 28.6

