

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
 Data File : BM027100.D
 Acq On : 14 Aug 2020 23:21
 Operator : JU/CG
 Sample : L3631-05
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFMM1

Quant Time: Aug 20 04:28:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 11:47:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	129140	20.00	ng/ul	0.00
18) Naphthalene-d8	10.41	136	471139	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.27	164	299512	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.02	188	648365	20.00	ng/ul	0.00
78) Chrysene-d12	21.21	240	716033	20.00	ng/ul	0.00
86) Perylene-d12	23.40	264	741019	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	4319	1.52	ng/uL	0.00
5) Phenol-d5	6.82	99	83780	8.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.97	67	63873	9.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.17	132	69088	8.72	ng/ul	0.00
13) 4-Methylphenol-d8	8.34	113	64172	8.20	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	34333	9.19	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	34226	8.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	71309	8.77	ng/ul	0.00
29) 4-Chloroaniline-d4	10.54	131	65829	6.96	ng/ul	0.00
44) Dimethylphthalate-d6	13.69	166	250003	10.47	ng/ul	0.00
47) Acenaphthylene-d8	13.96	160	251100	8.82	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	24456	6.07	ng/ul	0.00
58) Fluorene-d10	15.27	176	197756	9.50	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	19264	5.44	ng/ul	0.00
71) Anthracene-d10	17.11	188	290187	9.08	ng/ul	0.00
79) Pyrene-d10	19.41	212	307324	8.61	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.26	264	326672	7.90	ng/ul	0.00

Target Compounds

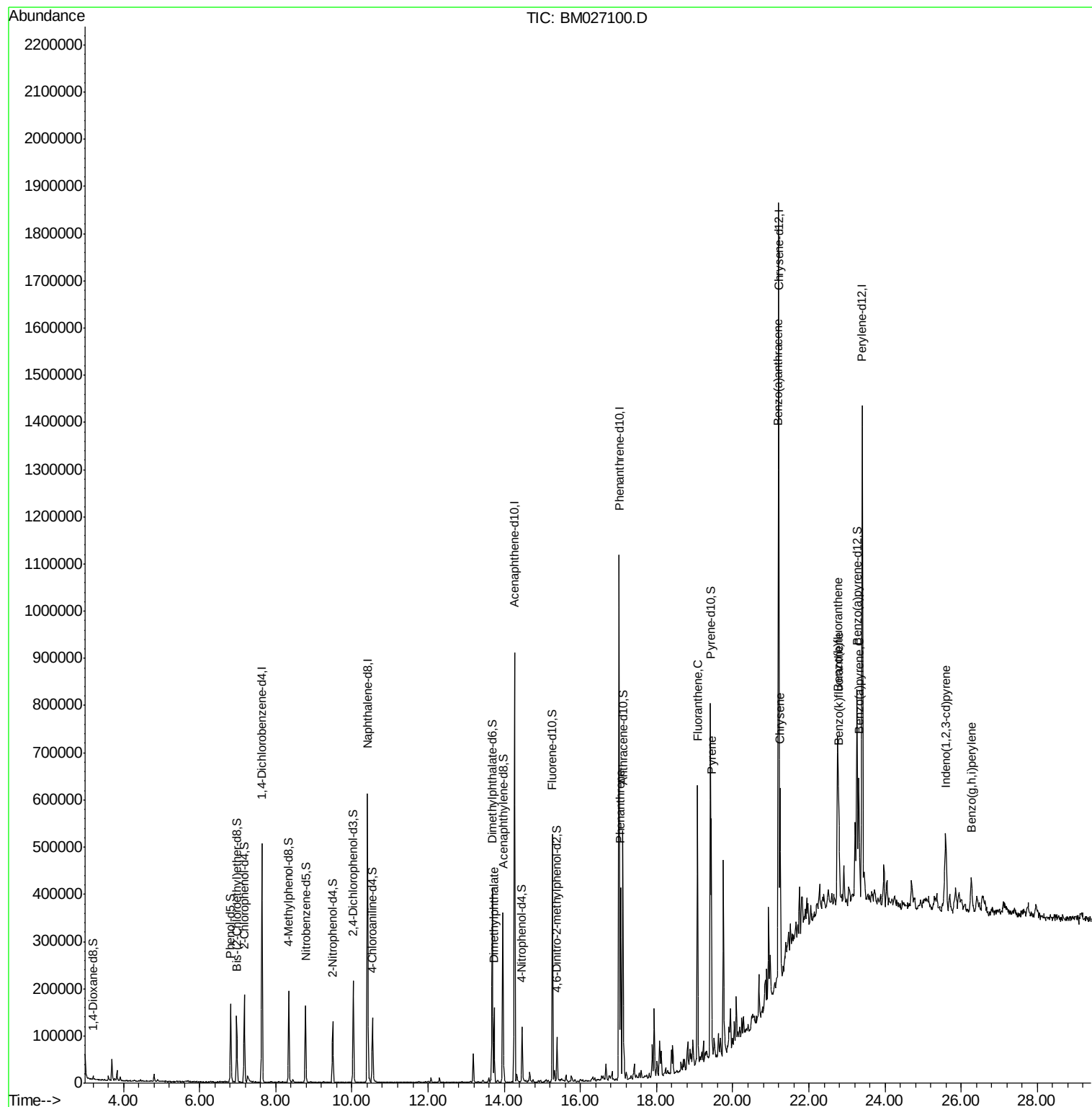
					Ovalue
45) Dimethylphthalate	13.73	163	90407	3.612	ng/ul 100
70) Phenanthrene	17.06	178	230938	5.941	ng/ul 99
77) Fluoranthene	19.08	202	364452	7.732	ng/ul# 96
80) Pyrene	19.44	202	295141	6.073	ng/ul 98
83) Benzo(a)anthracene	21.19	228	203628	4.224	ng/ul 98
85) Chrysene	21.24	228	214989	4.544	ng/ul 98
88) Benzo(b)fluoranthene	22.75	252	314001	6.102	ng/ul 99
89) Benzo(k)fluoranthene	22.79	252	101354	1.987	ng/ul 94
91) Benzo(a)pyrene	23.31	252	181659	3.879	ng/ul 96
92) Indeno(1,2,3-cd)pyrene	25.60	276	141290	2.342	ng/ul# 95
94) Benzo(g,h,i)perylene	26.27	276	88875	1.783	ng/ul 99

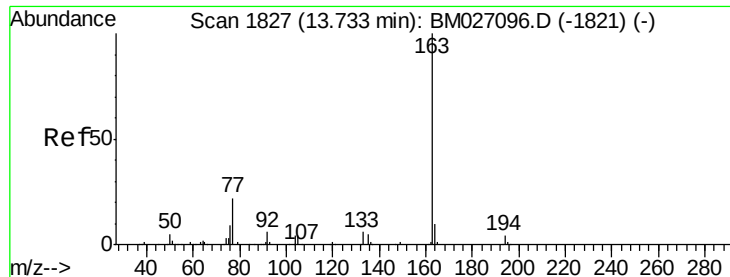
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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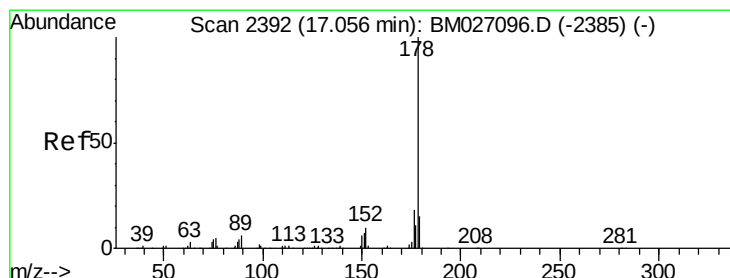
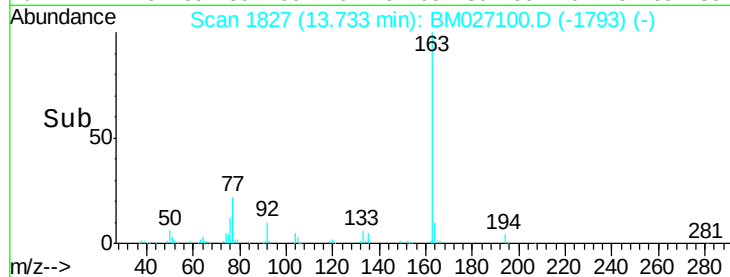
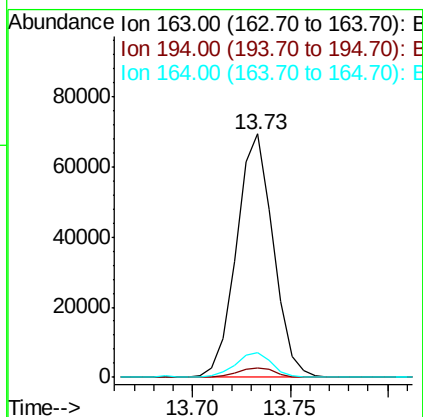
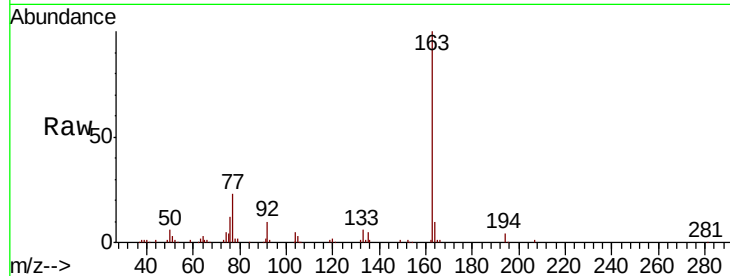




#45
Dimethylphthalate
Concen: 3.612 ng/ul
RT: 13.73 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BM027100.D
Acq: 14 Aug 2020 23:21

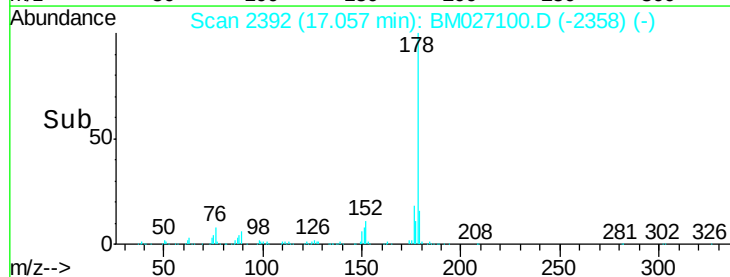
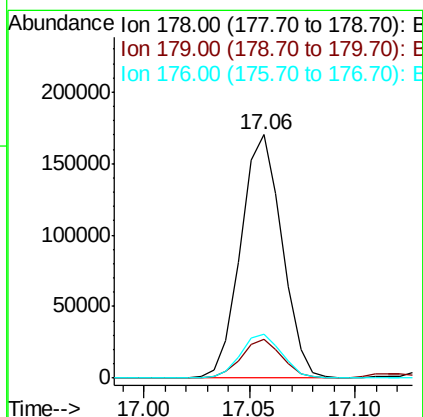
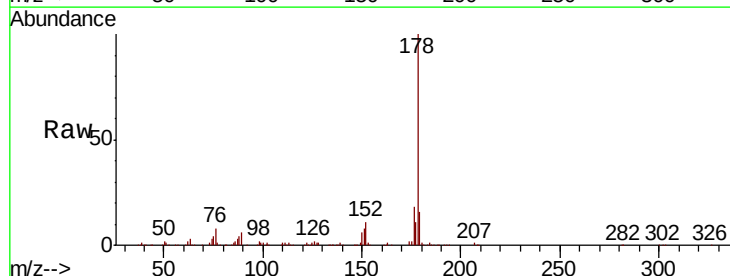
Instrument :
BNA_M
ClientSampleId :
BFMM1

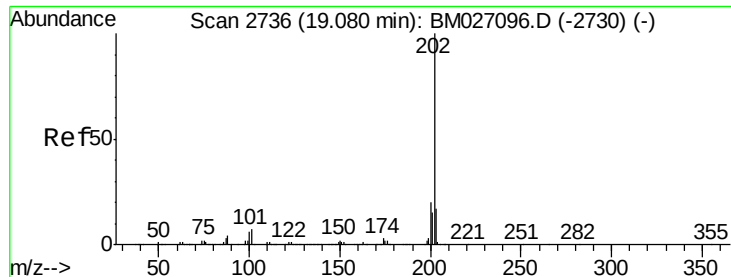
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	10.2	8.2	12.2



#70
Phenanthrene
Concen: 5.941 ng/ul
RT: 17.06 min Scan# 2392
Delta R.T. -0.00 min
Lab File: BM027100.D
Acq: 14 Aug 2020 23:21

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	11.9	17.9
176	18.0	14.6	22.0

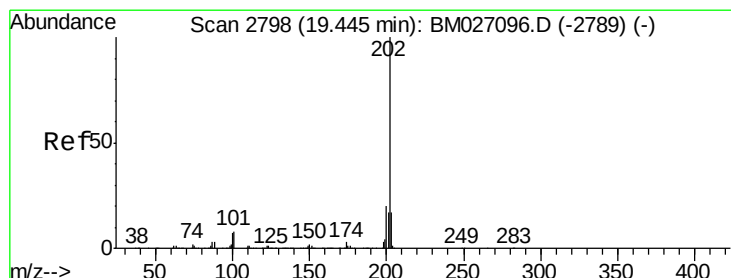
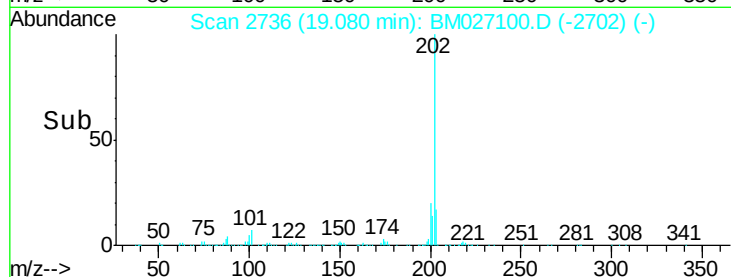
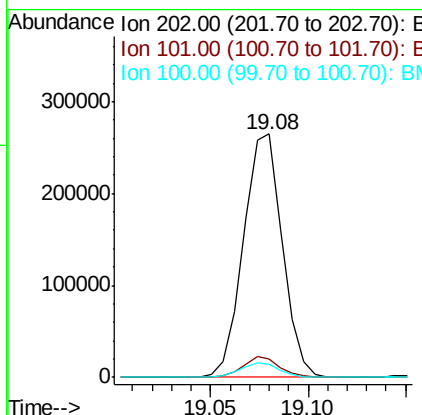
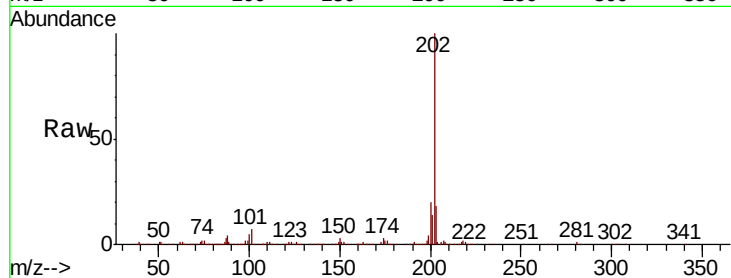




#77
 Fluoranthene
 Concen: 7.732 ng/ul
 RT: 19.08 min Scan# 2736
 Delta R.T. -0.00 min
 Lab File: BM027100.D
 Acq: 14 Aug 2020 23:21

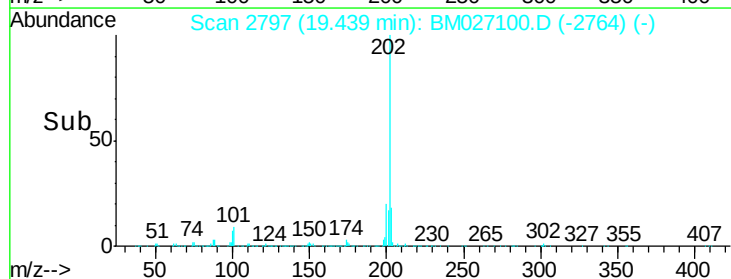
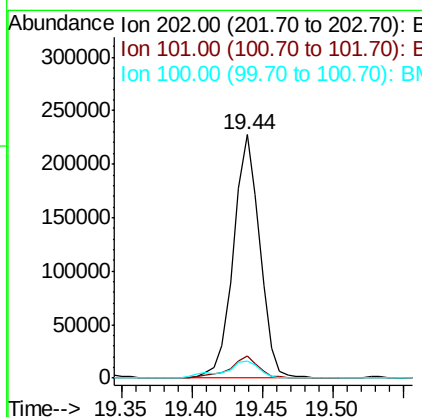
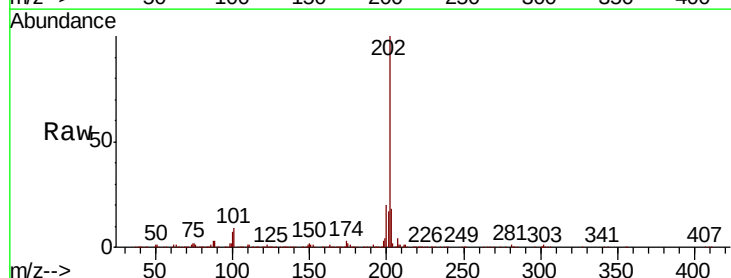
Instrument :
 BNA_M
 ClientSampleId :
 BFMM1

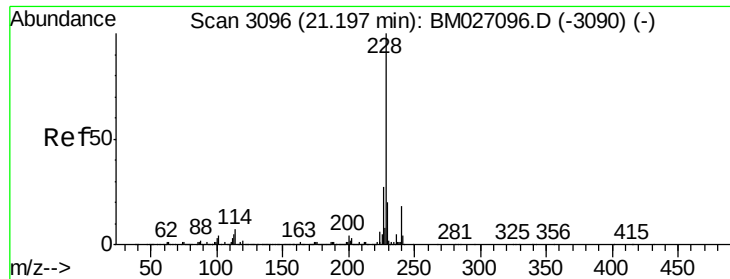
Tot Ion:	202	Resp:	364452
Ion	Ratio	Lower	Upper
202	100		
101	7.3	6.7	10.1
100	5.4	5.4	8.2#



#80
 Pyrene
 Concen: 6.073 ng/ul
 RT: 19.44 min Scan# 2797
 Delta R.T. -0.01 min
 Lab File: BM027100.D
 Acq: 14 Aug 2020 23:21

Tgt Ion:	202	Resp:	295141
Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.6	11.4
100	7.2	6.3	9.5





#83

Benzo(a)anthracene

Concen: 4.224 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM027100.D

Acq: 14 Aug 2020 23:21

Instrument :

BNA_M

ClientSampleId :

BFMM1

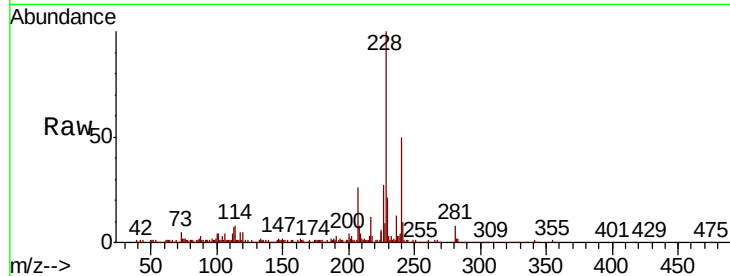
Tot Ion:228 Resp: 203628

Ion Ratio Lower Upper

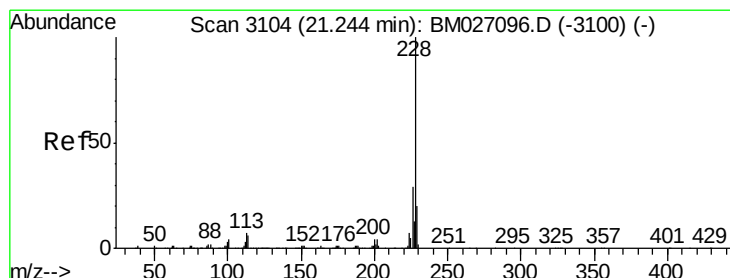
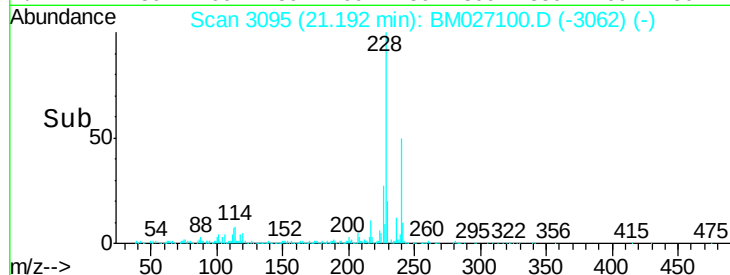
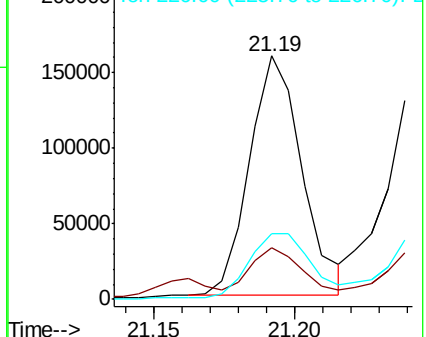
228 100

229 21.0 15.8 23.6

226 27.1 21.2 31.8



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: 4.544 ng/ul

RT: 21.24 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BM027100.D

Acq: 14 Aug 2020 23:21

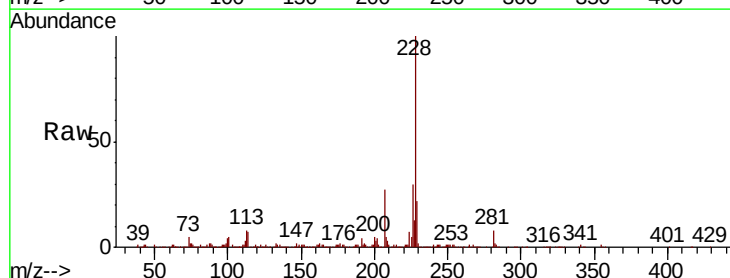
Tgt Ion:228 Resp: 214989

Ion Ratio Lower Upper

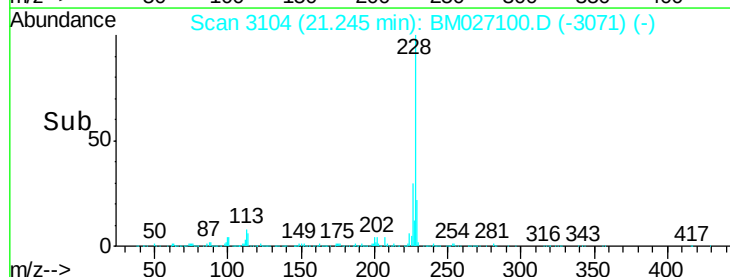
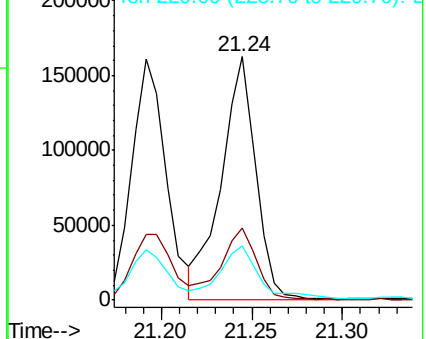
228 100

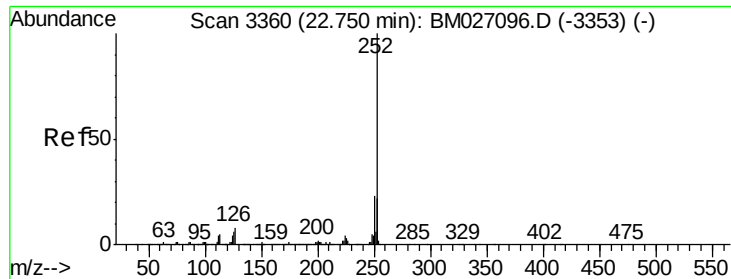
226 29.6 23.8 35.6

229 22.4 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: 6.102 ng/ul

RT: 22.75 min Scan# 3360

Delta R.T. -0.01 min

Lab File: BM027100.D

Acq: 14 Aug 2020 23:21

Instrument :

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ClientSampleId :

BFMM1

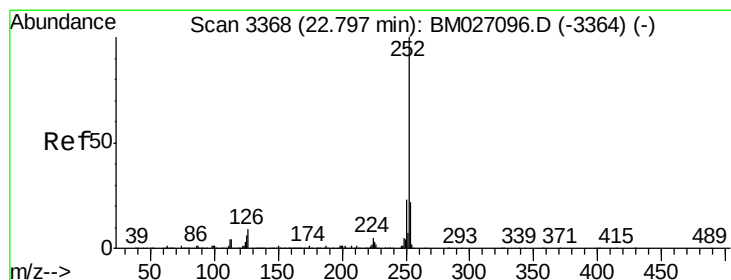
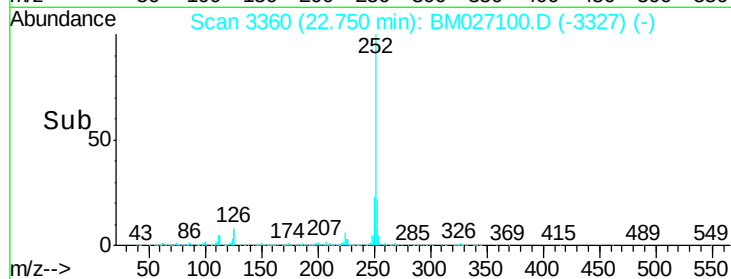
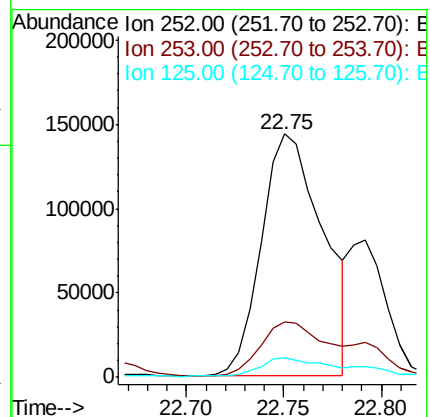
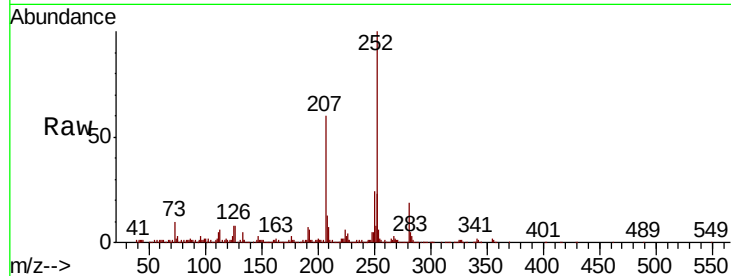
Tot Ion:252 Resp: 314001

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

125 7.8 6.0 9.0



#89

Benzo(k)fluoranthene

Concen: 1.987 ng/ul

RT: 22.79 min Scan# 3367

Delta R.T. -0.01 min

Lab File: BM027100.D

Acq: 14 Aug 2020 23:21

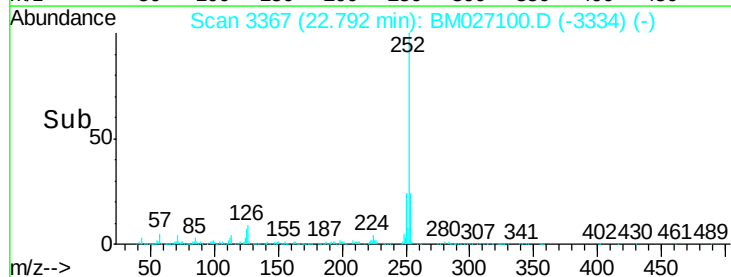
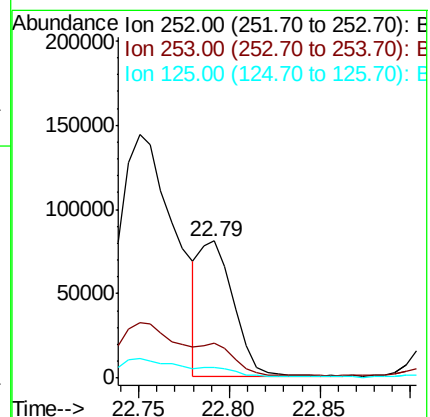
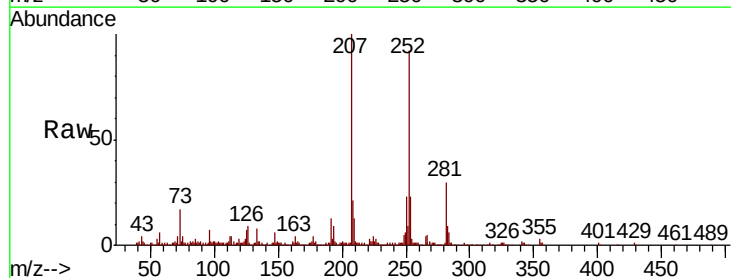
Tgt Ion:252 Resp: 101354

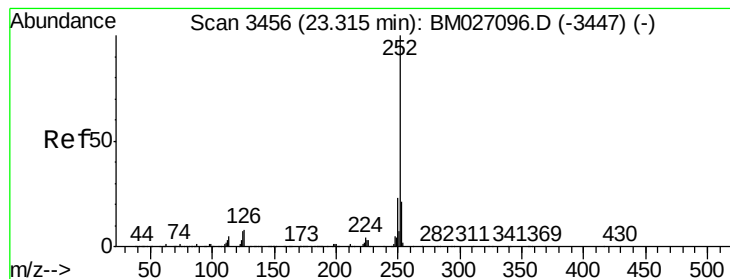
Ion Ratio Lower Upper

252 100

253 25.2 17.2 25.8

125 7.7 5.5 8.3





#91

Benzo(a)pyrene

Concen: 3.879 ng/ul

RT: 23.31 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BM027100.D

Acq: 14 Aug 2020 23:21

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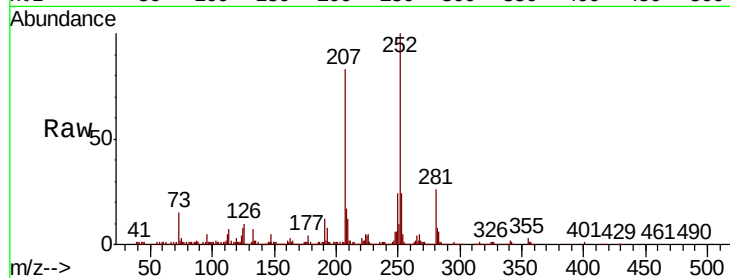
Tot Ion:252 Resp: 181659

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.4

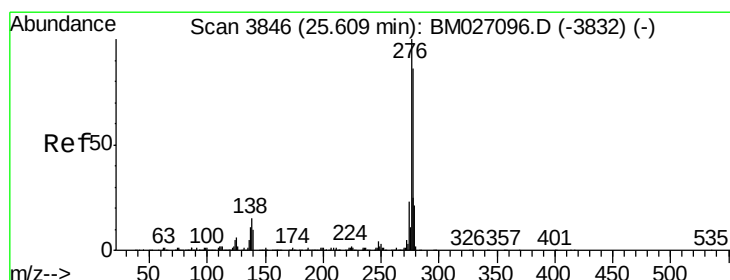
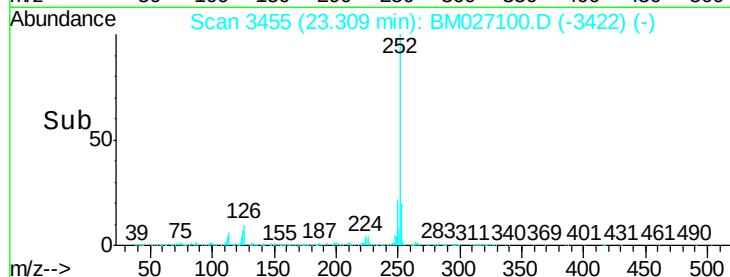
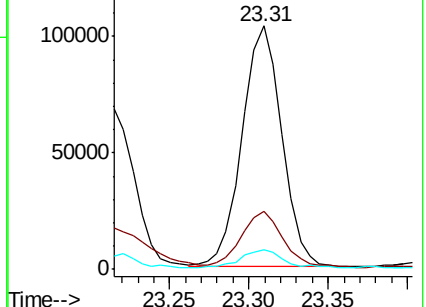
125 7.9 5.8 8.8



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: 2.342 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. -0.01 min

Lab File: BM027100.D

Acq: 14 Aug 2020 23:21

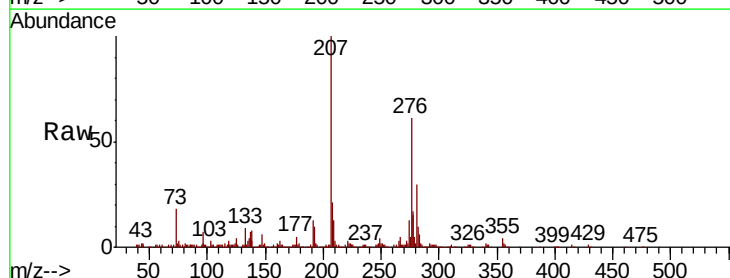
Tgt Ion:276 Resp: 141290

Ion Ratio Lower Upper

276 100

138 13.8 13.9 20.9#

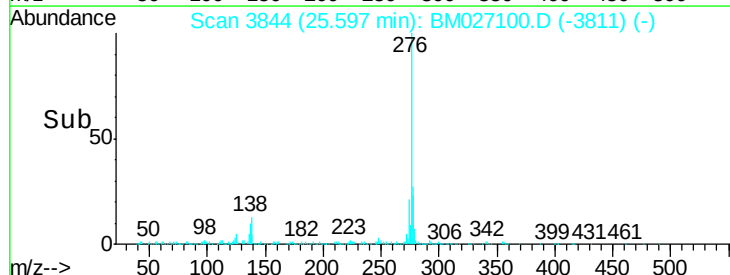
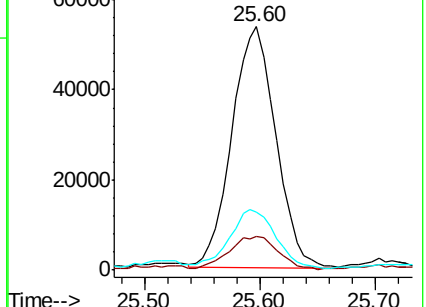
277 23.7 19.8 29.8

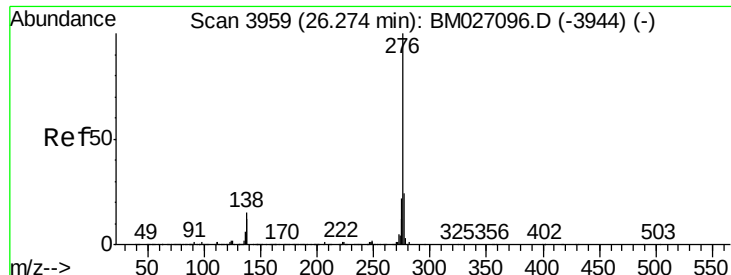


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#94

Benzo(a,h,i)perylene

Concen: 1.783 ng/ul

RT: 26.27 min Scan# 3958

Delta R.T. -0.01 min

Lab File: BM027100.D

Acq: 14 Aug 2020 23:21

Instrument :

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Tot Ion:276 Resp: 88875

Ion Ratio Lower Upper

276 100

138 14.1 12.3 18.5

277 23.8 19.0 28.6

