

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
 Data File : BM027069.D
 Acq On : 13 Aug 2020 20:04
 Operator : JU/CG
 Sample : L3630-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFM68

Quant Time: Aug 14 01:26:07 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	121382	20.00	ng/ul	0.00
18) Naphthalene-d8	10.41	136	449711	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.27	164	284926	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.02	188	583149	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	608228	20.00	ng/ul	0.00
86) Perylene-d12	23.42	264	614438	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	4902	1.84	ng/uL	0.00
5) Phenol-d5	6.82	99	153411	16.25	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	107019	16.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	119999	16.12	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	122515	16.65	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	58170	16.32	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	63233	17.12	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.04	165	132733	17.10	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	130933	14.51	ng/ul	0.00
44) Dimethylphthalate-d6	13.69	166	420604	18.51	ng/ul	0.00
47) Acenaphthylene-d8	13.96	160	488190	18.03	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	51027	13.30	ng/ul	0.00
58) Fluorene-d10	15.27	176	352902	17.82	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	38715	12.15	ng/ul	0.00
71) Anthracene-d10	17.12	188	527213	18.35	ng/ul	0.00
79) Pyrene-d10	19.42	212	581381	19.16	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.28	264	613348	17.88	ng/ul	0.01

Target Compounds

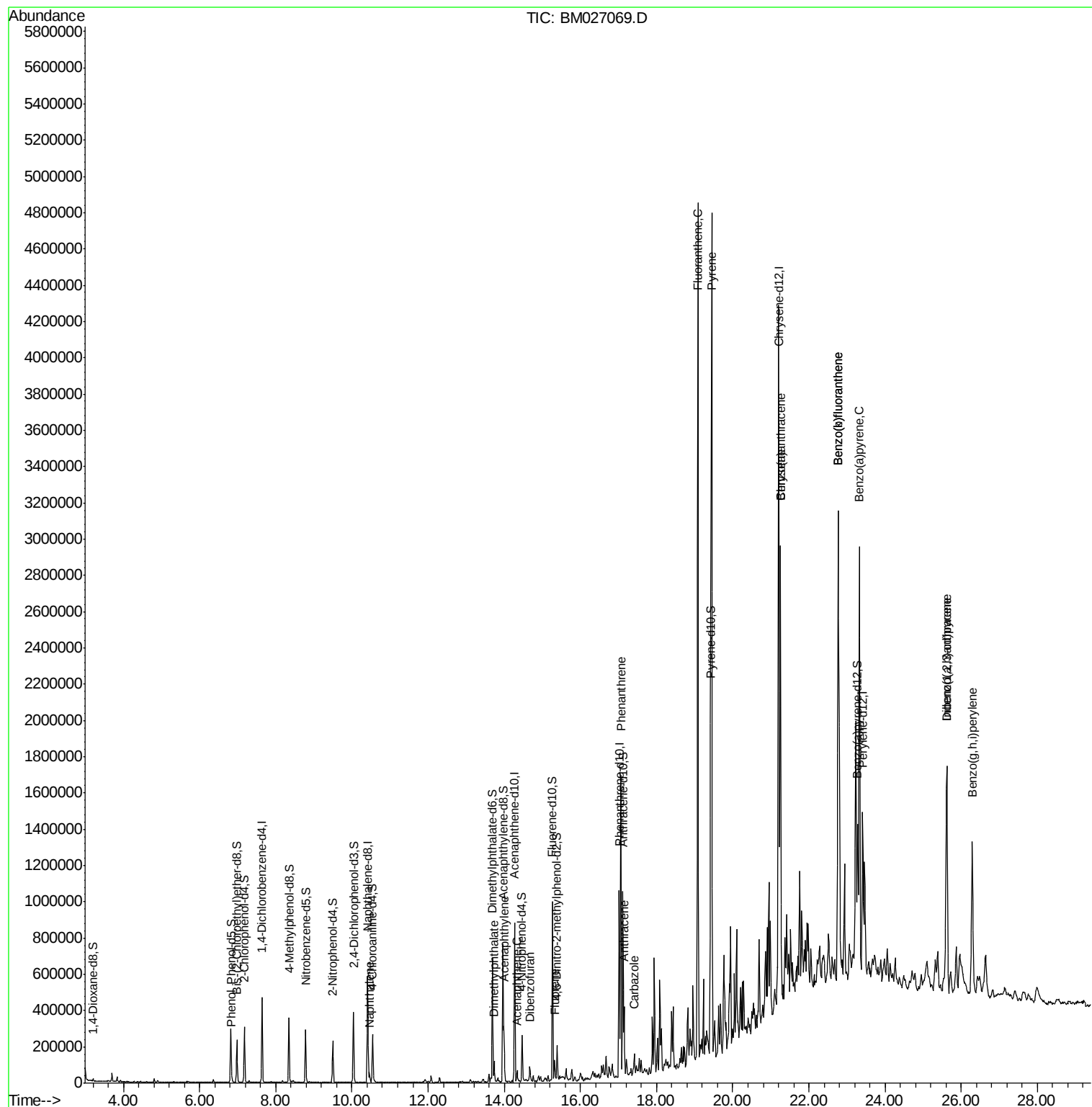
					Ovalue	
6) Phenol	6.85	94	11490	1.155	ng/ul	97
28) Naphthalene	10.46	128	43561	1.743	ng/ul	99
45) Dimethylphthalate	13.73	163	56375	2.368	ng/ul	99
48) Acenaphthylene	13.99	152	207953	7.555	ng/ul	98
50) Acenaphthene	14.34	153	23457	1.202	ng/ul	97
54) Dibenzofuran	14.67	168	37497	1.343	ng/ul	93
59) Fluorene	15.33	166	45343	1.941	ng/ul#	97
70) Phenanthrene	17.06	178	977971	27.974	ng/ul	100
72) Anthracene	17.15	178	226976	6.381	ng/ul	97
75) Carbazole	17.42	167	71171	2.370	ng/ul	98
77) Fluoranthene	19.09	202	2743934	64.725	ng/ul	99
80) Pyrene	19.44	202	2859581	69.265	ng/ul	98
83) Benzo(a)anthracene	21.25	228	1429869	34.921	ng/ul	94
85) Chrysene	21.25	228	1429869	35.576	ng/ul	97
88) Benzo(b)fluoranthene	22.77	252	2213429	51.877	ng/ul	98
89) Benzo(k)fluoranthene	22.77	252	2213429	52.344	ng/ul	96
91) Benzo(a)pyrene	23.33	252	1640451	42.247	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.62	276	1175894	23.503	ng/ul	97
93) Dibenzo(a,h)anthracene	25.62	278	292943	6.912	ng/ul#	90
94) Benzo(g,h,i)perylene	26.29	276	1021078	24.708	ng/ul	99

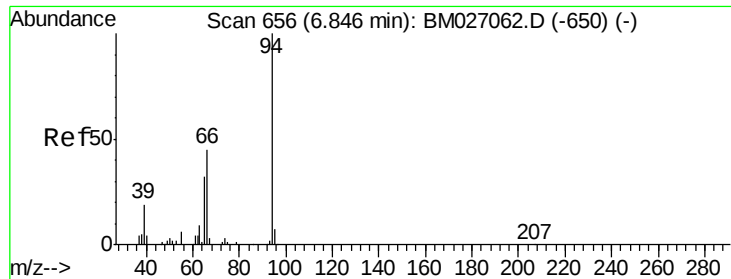
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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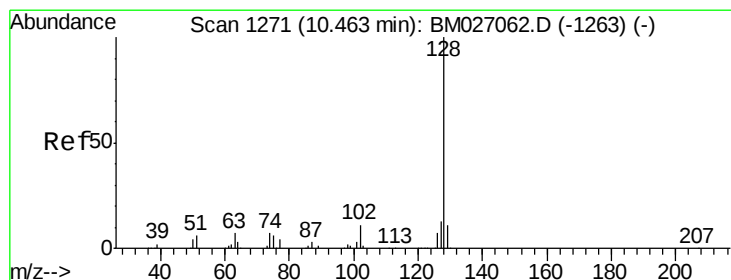
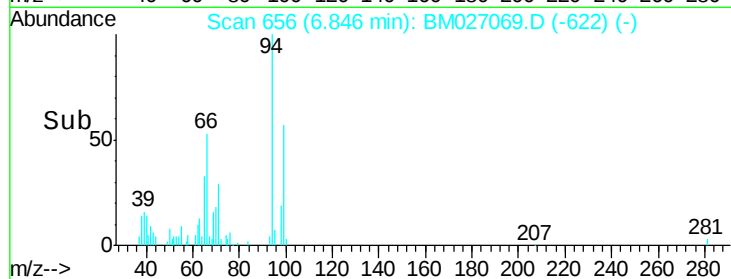
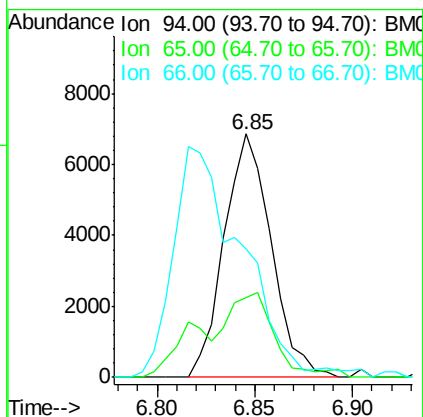
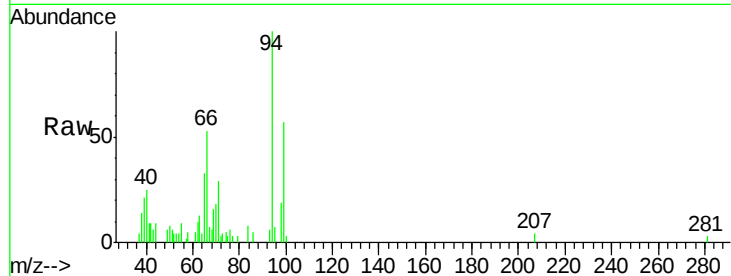
#6

Phenol

Concen: 1.155 ng/ul
 RT: 6.85 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: BM027069.D
 Acq: 13 Aug 2020 20:04

Instrument :
 BNA_M
 ClientSampled :
 BFM68

Tot Ion	Ratio	Lower	Upper
94	100		
65	32.6	28.6	43.0
66	52.8	41.3	61.9

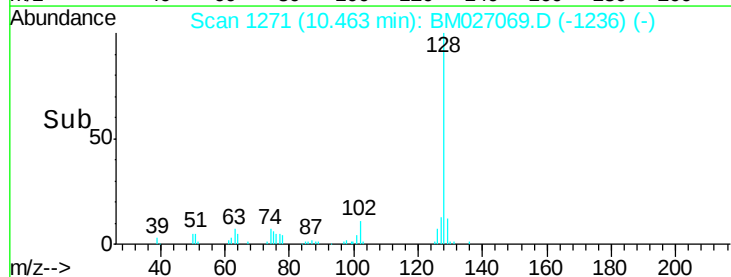
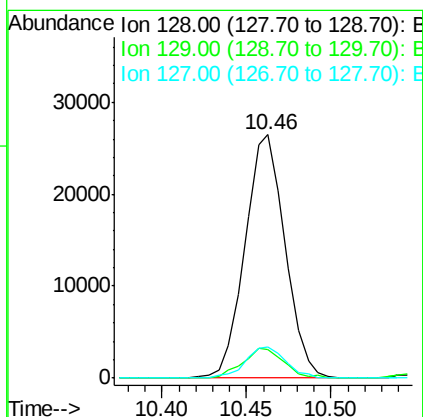
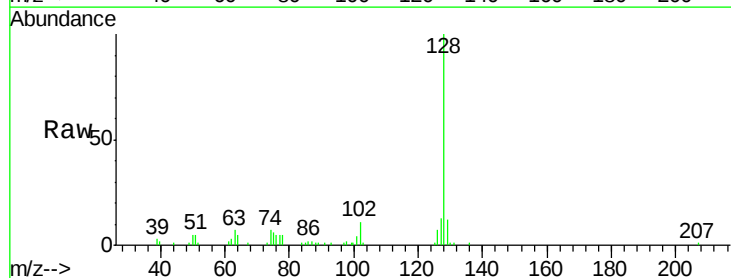


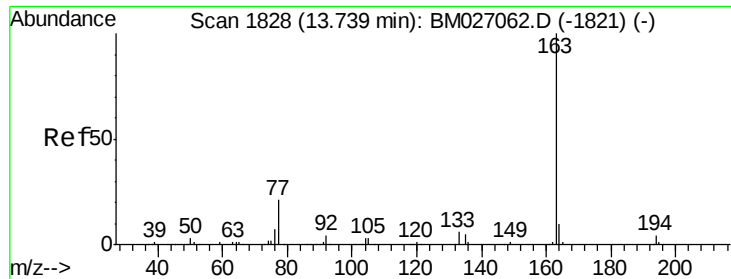
#28

Naphthalene

Concen: 1.743 ng/ul
 RT: 10.46 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: BM027069.D
 Acq: 13 Aug 2020 20:04

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.0	13.6
127	12.8	10.5	15.7

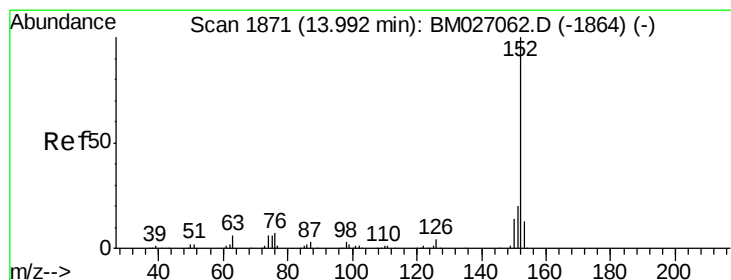
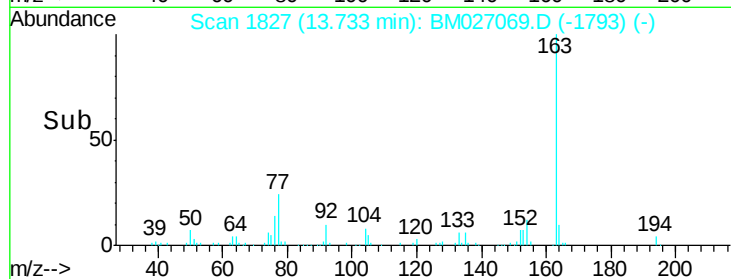
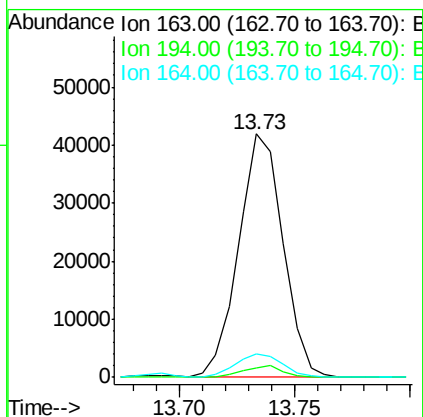
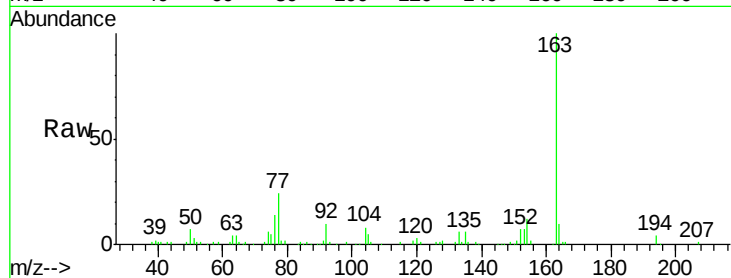




#45
Dimethylphthalate
Concen: 2.368 ng/ul
RT: 13.73 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BM027069.D
Acq: 13 Aug 2020 20:04

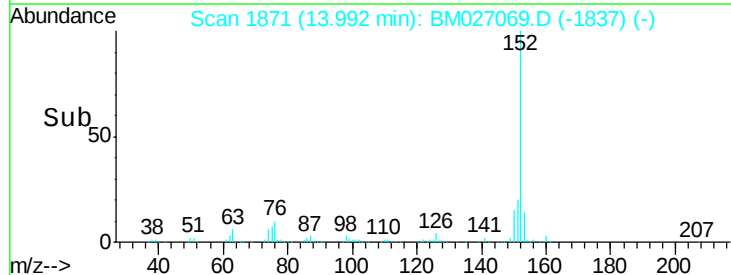
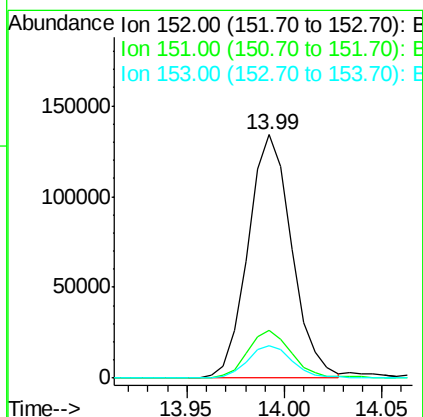
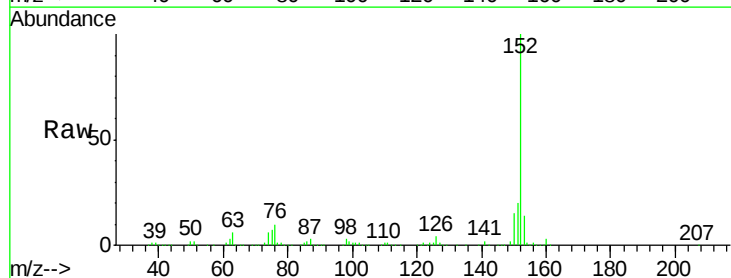
Instrument :
BNA_M
ClientSampled :
BFM68

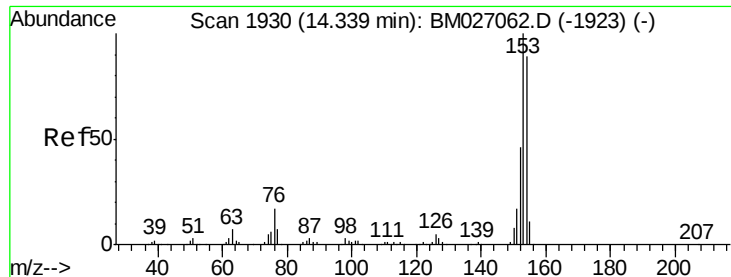
Tot Ion:163 Resp: 56375
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 9.8 8.2 12.2



#48
Acenaphthylene
Concen: 7.555 ng/ul
RT: 13.99 min Scan# 1871
Delta R.T. -0.00 min
Lab File: BM027069.D
Acq: 13 Aug 2020 20:04

Tgt Ion:152 Resp: 207953
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 13.5 9.8 14.8





#50

Acenaphthene

Concen: 1.202 ng/ul

RT: 14.34 min Scan# 1930

Delta R.T. -0.00 min

Lab File: BM027069.D

Acq: 13 Aug 2020 20:04

Instrument :

BNA_M

ClientSampleId :

BFM68

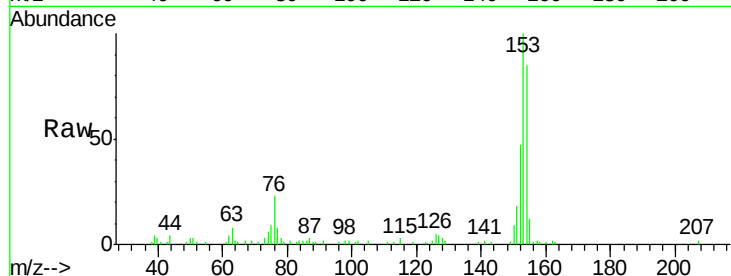
Tot Ion:153 Resp: 23457

Ion Ratio Lower Upper

153 100

152 47.5 35.9 53.9

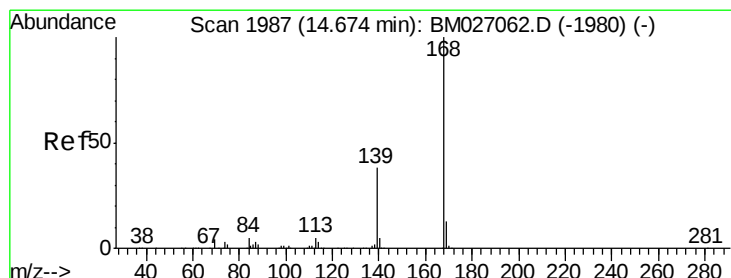
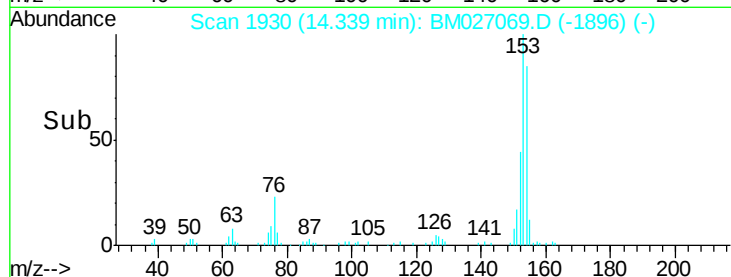
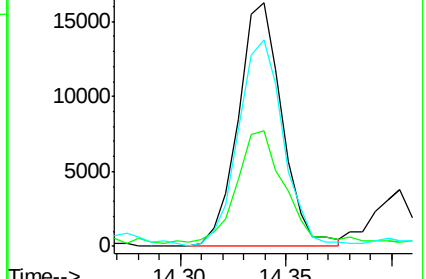
154 84.7 69.4 104.0



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 1.343 ng/ul

RT: 14.67 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BM027069.D

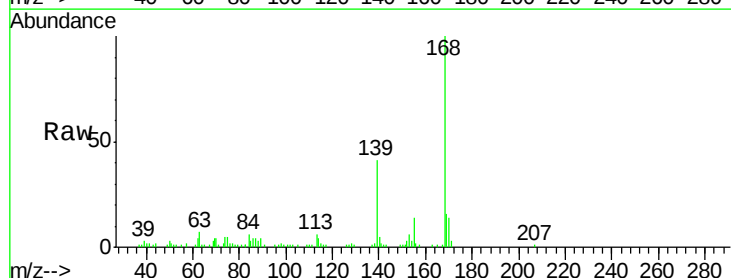
Acq: 13 Aug 2020 20:04

Tgt Ion:168 Resp: 37497

Ion Ratio Lower Upper

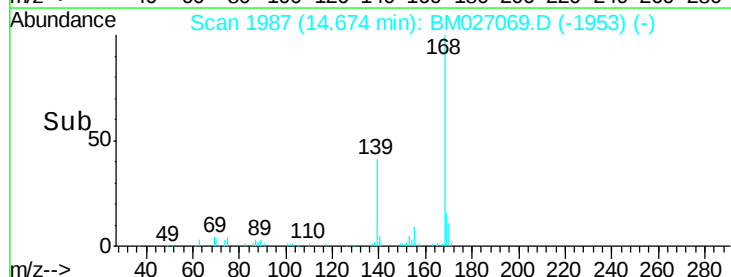
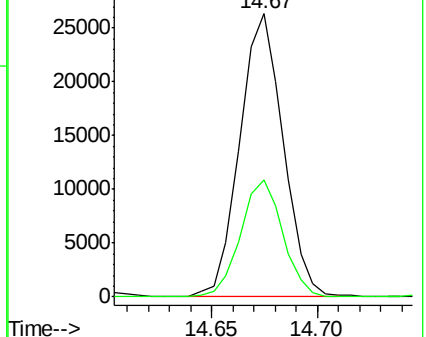
168 100

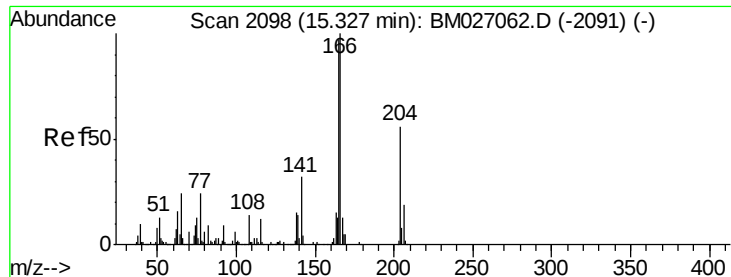
139 41.3 29.9 44.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 1.941 ng/ul

RT: 15.33 min Scan# 2098

Delta R.T. -0.00 min

Lab File: BM027069.D

Acq: 13 Aug 2020 20:04

Instrument :

BNA_M

ClientSampleId :

BFM68

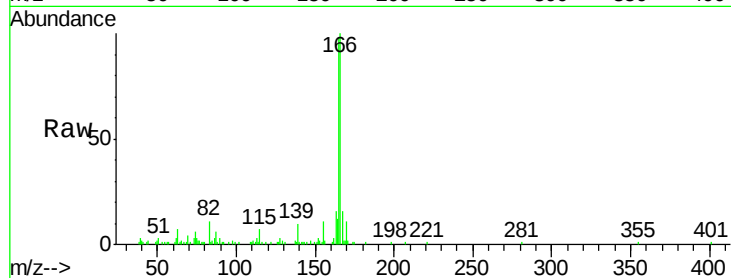
Tot Ion:166 Resp: 45343

Ion Ratio Lower Upper

166 100

165 98.4 76.9 115.3

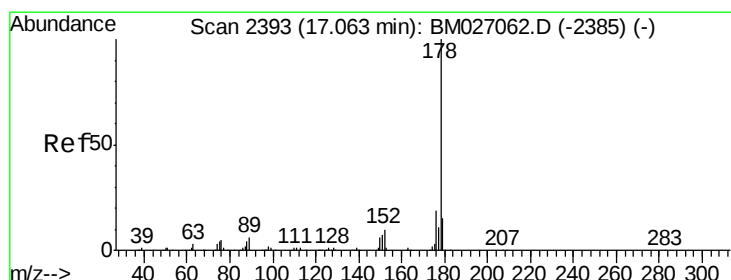
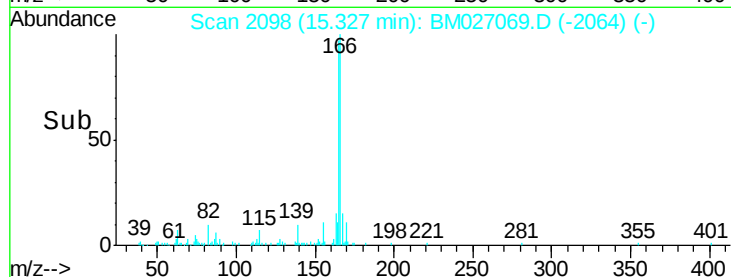
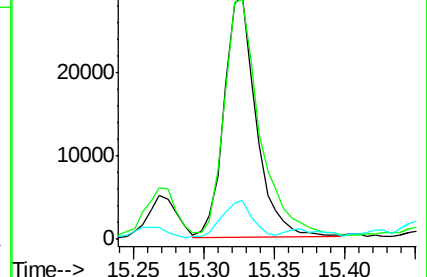
167 15.8 10.5 15.7#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 27.974 ng/ul

RT: 17.06 min Scan# 2393

Delta R.T. 0.01 min

Lab File: BM027069.D

Acq: 13 Aug 2020 20:04

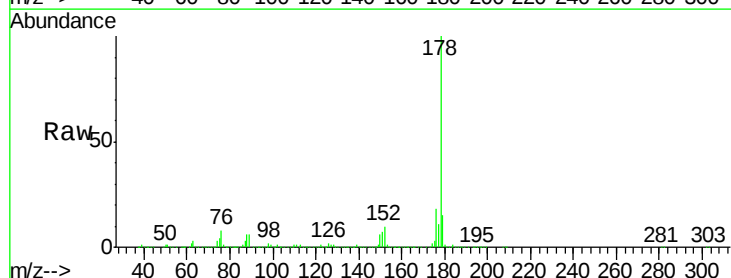
Tgt Ion:178 Resp: 977971

Ion Ratio Lower Upper

178 100

179 15.0 11.9 17.9

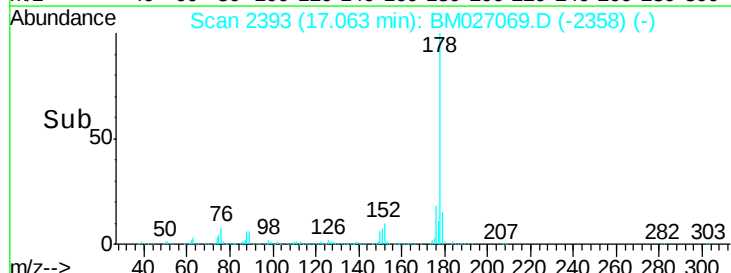
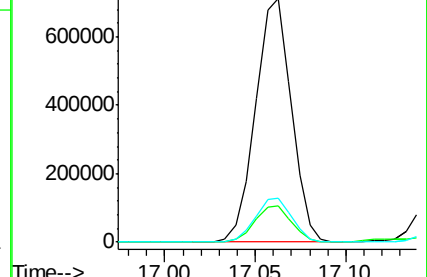
176 18.1 14.6 22.0

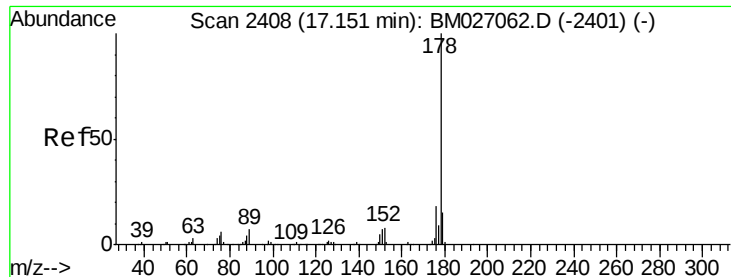


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 6.381 ng/ul

RT: 17.15 min Scan# 2408

Delta R.T. -0.00 min

Lab File: BM027069.D

Acq: 13 Aug 2020 20:04

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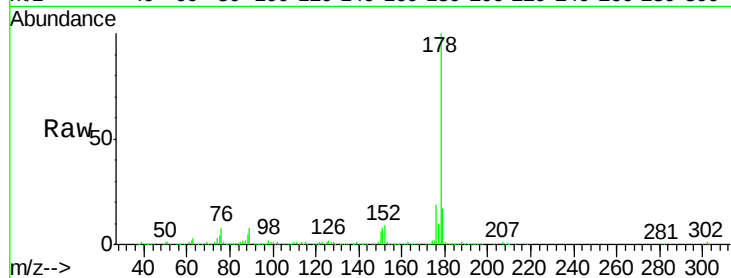
Tot Ion:178 Resp: 226976

Ion Ratio Lower Upper

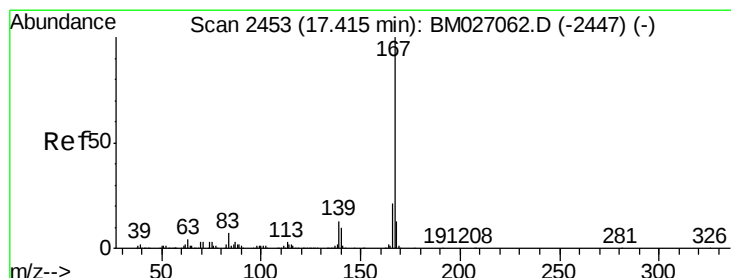
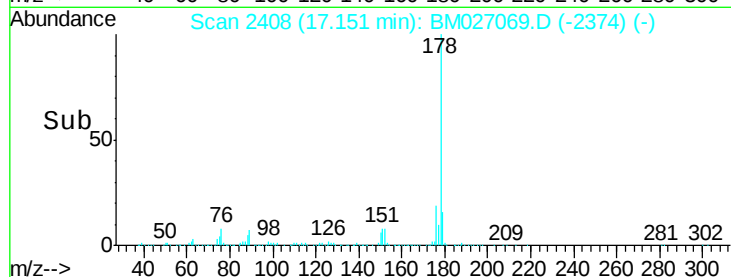
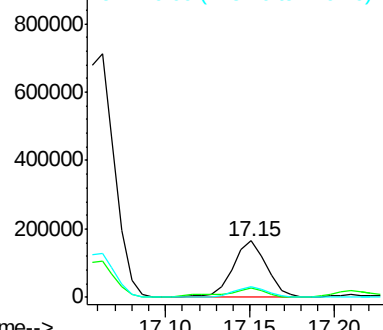
178 100

179 16.6 12.0 18.0

176 19.1 14.3 21.5



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



#75

Carbazole

Concen: 2.370 ng/ul

RT: 17.42 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BM027069.D

Acq: 13 Aug 2020 20:04

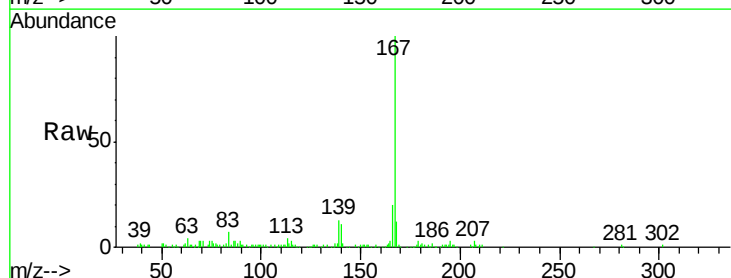
Tgt Ion:167 Resp: 71171

Ion Ratio Lower Upper

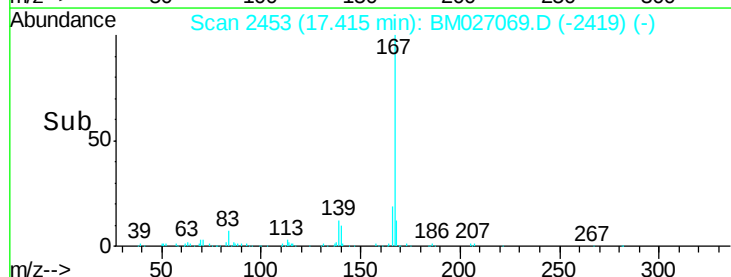
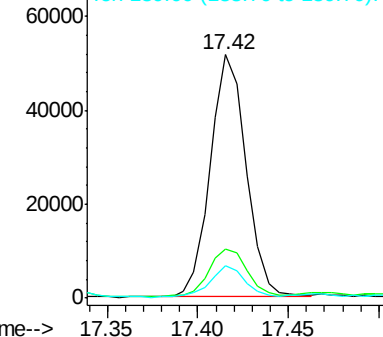
167 100

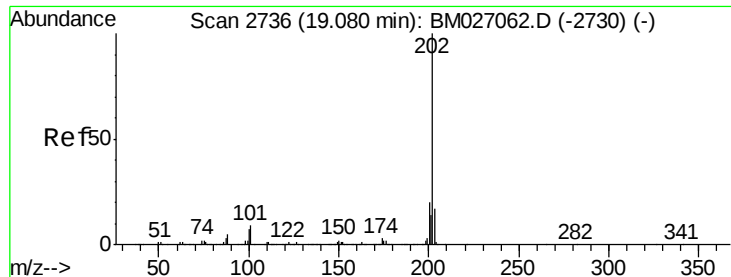
166 20.4 17.0 25.6

139 13.4 9.8 14.6



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 64.725 ng/ul

RT: 19.09 min Scan# 2737

Delta R.T. 0.01 min

Lab File: BM027069.D

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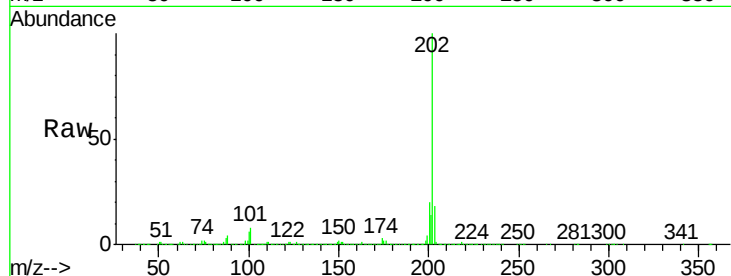
Tot Ion:202 Resp: 2743934

Ion Ratio Lower Upper

202 100

101 8.1 6.7 10.1

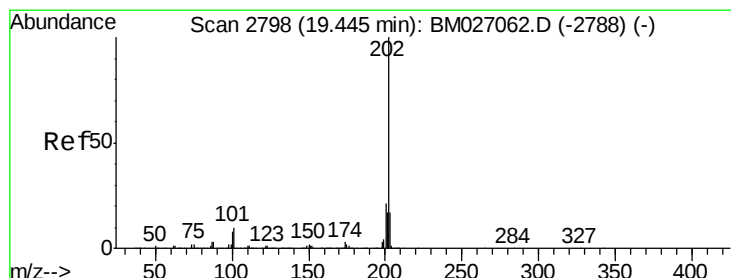
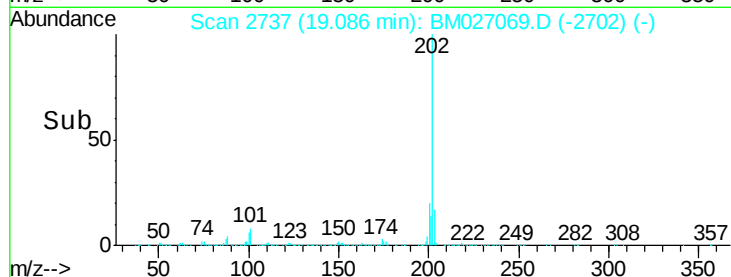
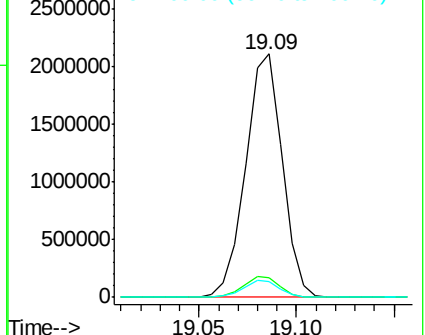
100 6.4 5.4 8.2



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: 69.265 ng/ul

RT: 19.44 min Scan# 2798

Delta R.T. -0.00 min

Lab File: BM027069.D

Acq: 13 Aug 2020 20:04

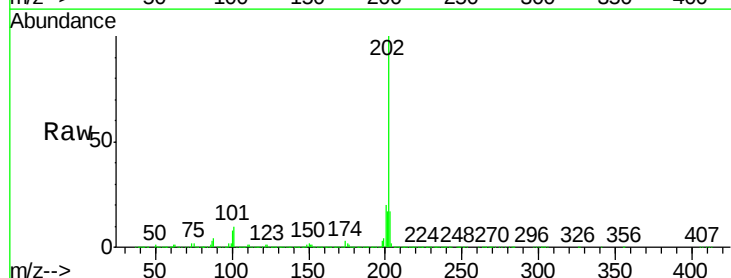
Tgt Ion:202 Resp: 2859581

Ion Ratio Lower Upper

202 100

101 10.1 7.6 11.4

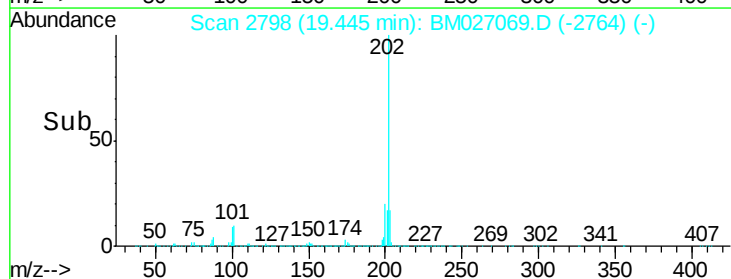
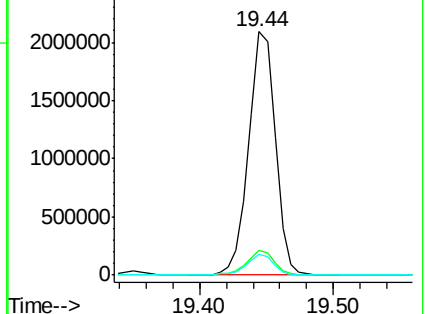
100 8.5 6.3 9.5

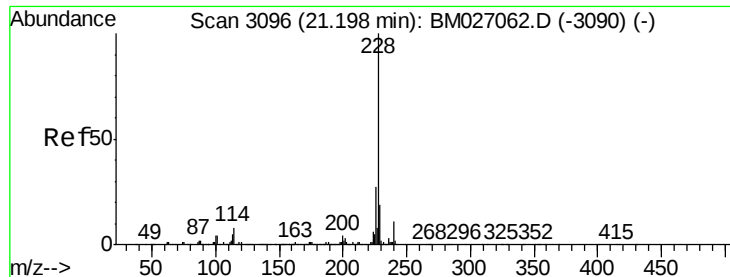


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 34.921 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. 0.05 min

Lab File: BM027069.D

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BFM68

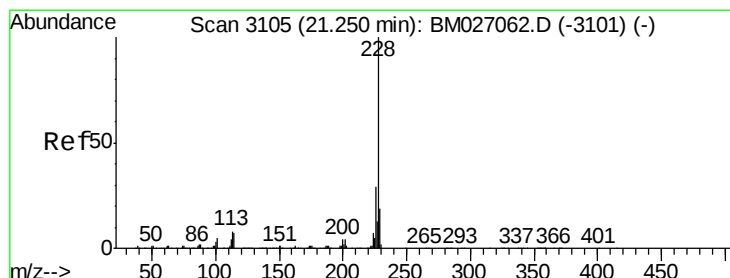
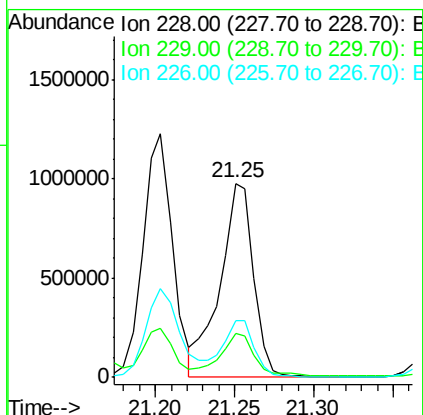
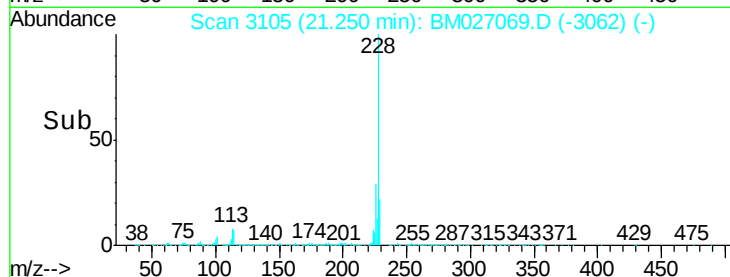
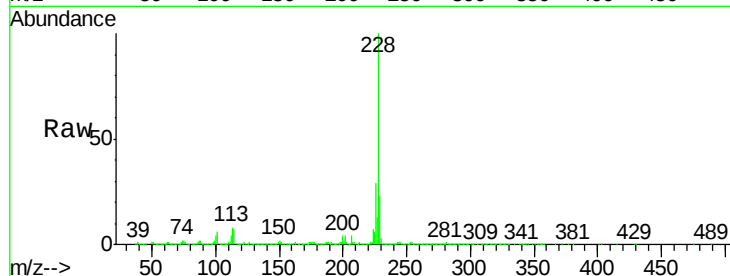
Tot Ion:228 Resp: 1429869

Ion Ratio Lower Upper

228 100

229 22.7 15.8 23.6

226 29.4 21.2 31.8



#85

Chrysene

Concen: 35.576 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BM027069.D

Acq: 13 Aug 2020 20:04

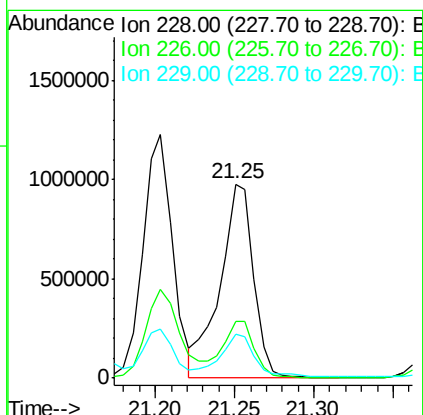
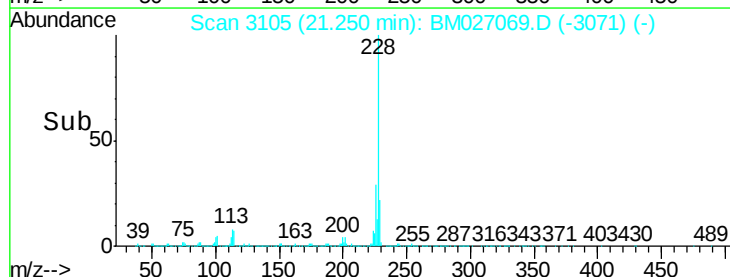
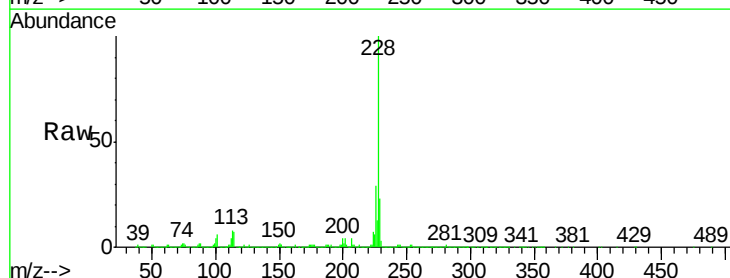
Tgt Ion:228 Resp: 1429869

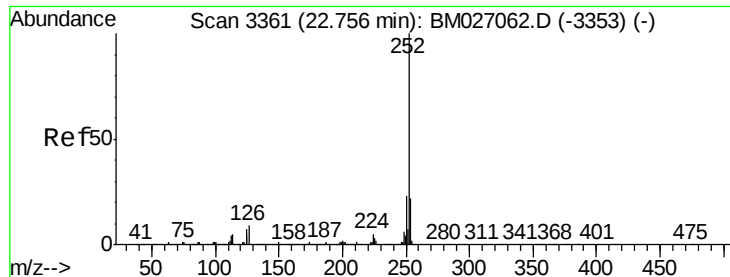
Ion Ratio Lower Upper

228 100

226 29.4 23.8 35.6

229 22.7 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 51.877 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. 0.01 min

Lab File: BM027069.D

Acq: 13 Aug 2020 20:04

Instrument :

BNA_M

ClientSampled :

BFM68

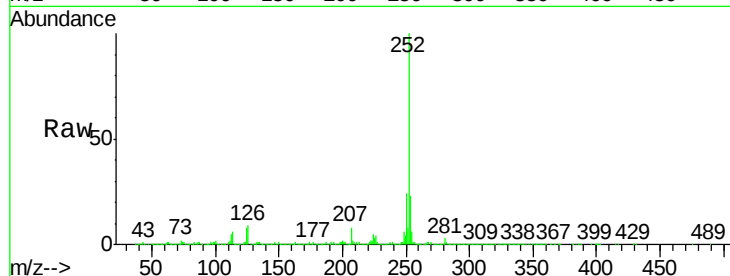
Tot Ion:252 Resp: 2213429

Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

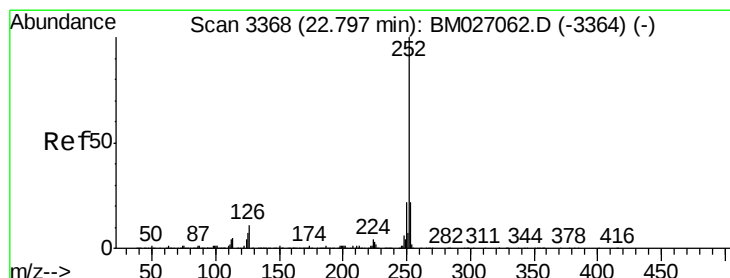
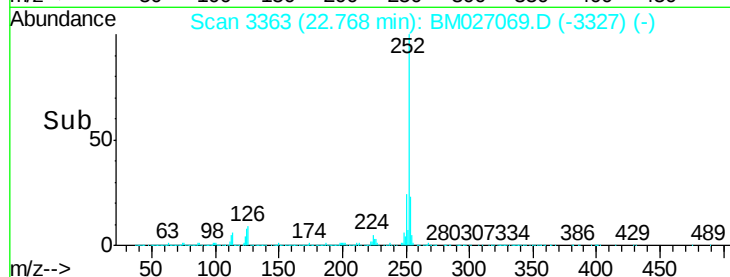
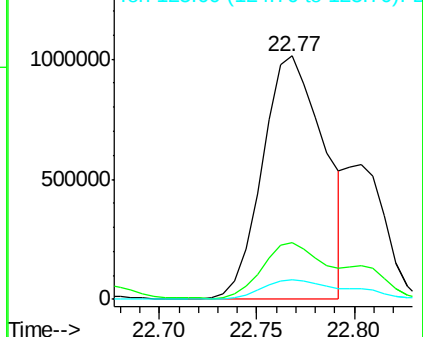
125 8.0 6.0 9.0



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: 52.344 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. -0.03 min

Lab File: BM027069.D

Acq: 13 Aug 2020 20:04

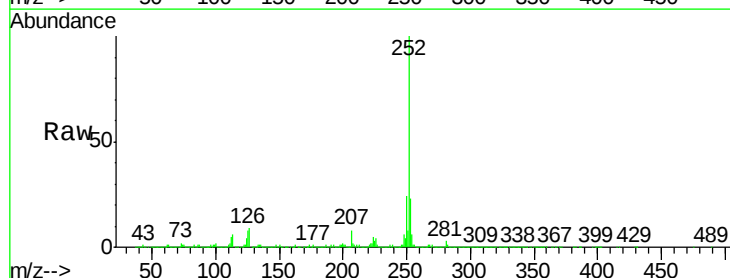
Tgt Ion:252 Resp: 2213429

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

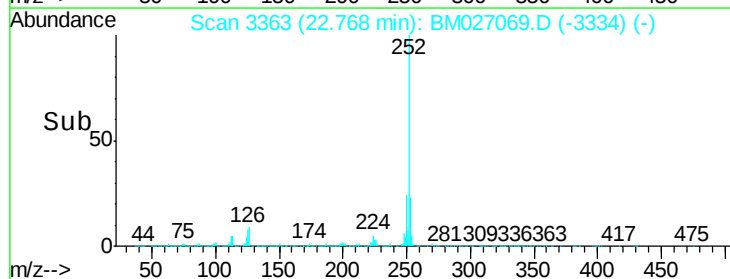
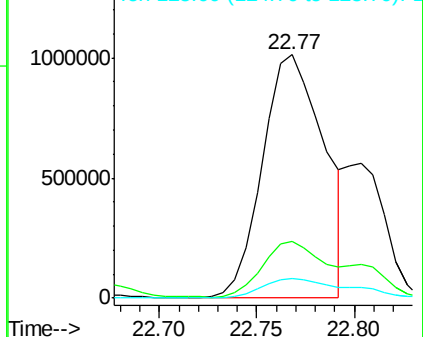
125 8.0 5.5 8.3

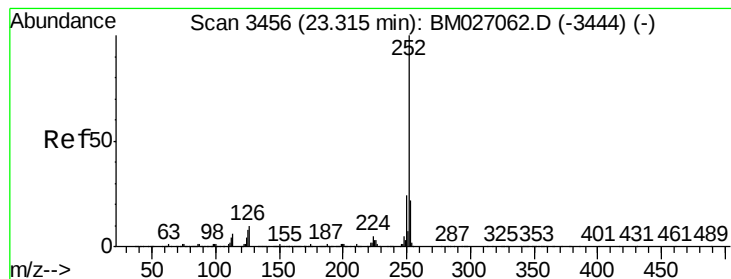


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

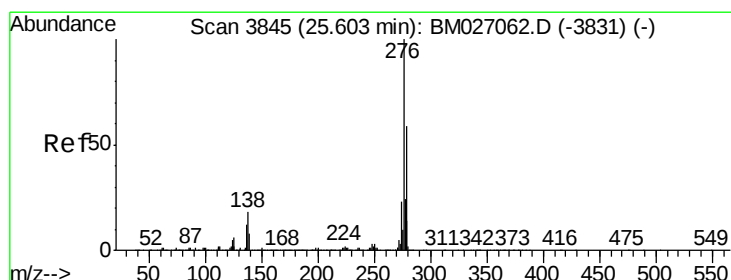
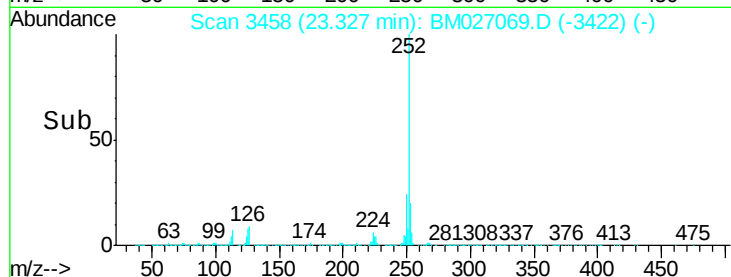
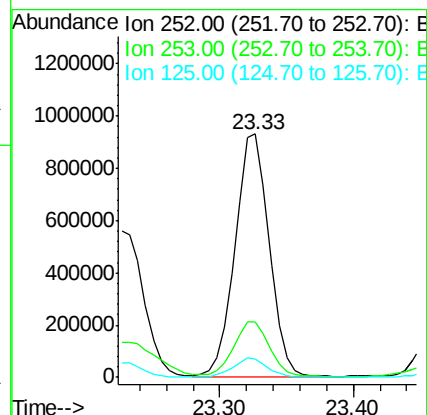
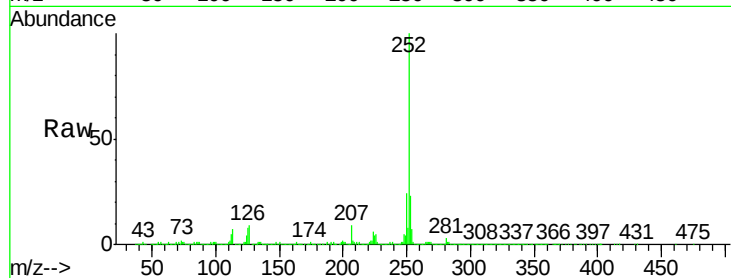




#91
Benzo(a)pyrene
Concen: 42.247 ng/ul
RT: 23.33 min Scan# 3458
Delta R.T. 0.01 min
Lab File: BM027069.D
Acq: 13 Aug 2020 20:04

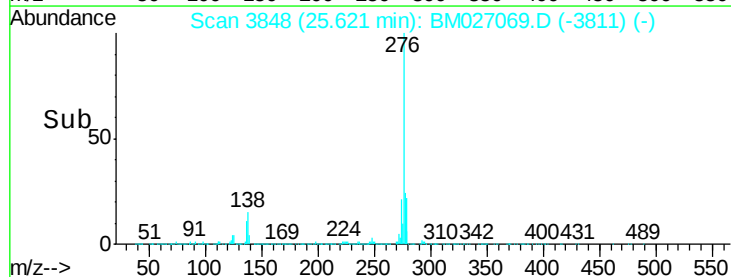
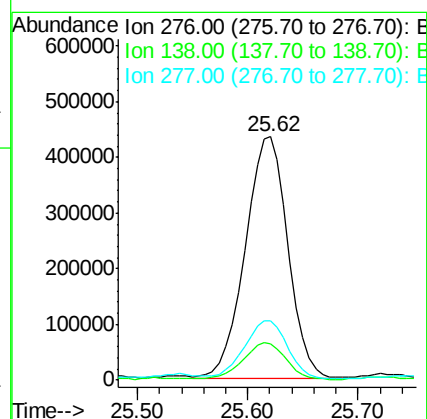
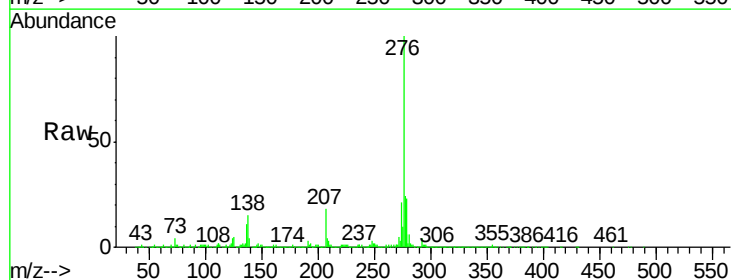
Instrument :
BNA_M
ClientSampleId :
BFM68

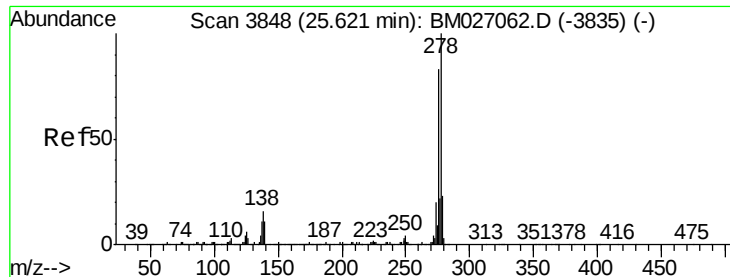
Tot Ion:252 Resp: 1640451
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 7.7 5.8 8.8



#92
Indeno(1,2,3-cd)pyrene
Concen: 23.503 ng/ul
RT: 25.62 min Scan# 3848
Delta R.T. 0.02 min
Lab File: BM027069.D
Acq: 13 Aug 2020 20:04

Tgt Ion:276 Resp: 1175894
Ion Ratio Lower Upper
276 100
138 14.7 13.9 20.9
277 24.2 19.8 29.8





#93

Dibenzo(a,h)anthracene

Concen: 6.912 ng/ul

RT: 25.62 min Scan# 3848

Delta R.T. 0.01 min

Lab File: BM027069.D

Acq: 13 Aug 2020 20:04

Instrument :

BNA_M

ClientSampled :

BFM68

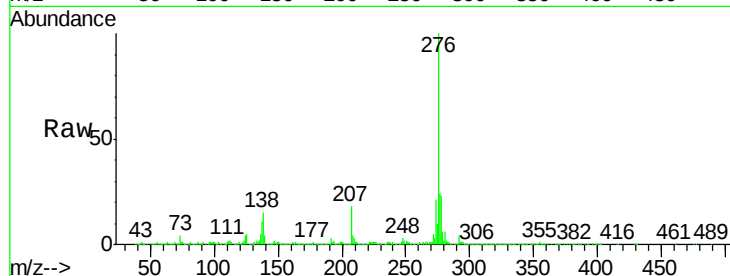
Tot Ion:278 Resp: 292943

Ion Ratio Lower Upper

278 100

139 16.8 9.4 14.0#

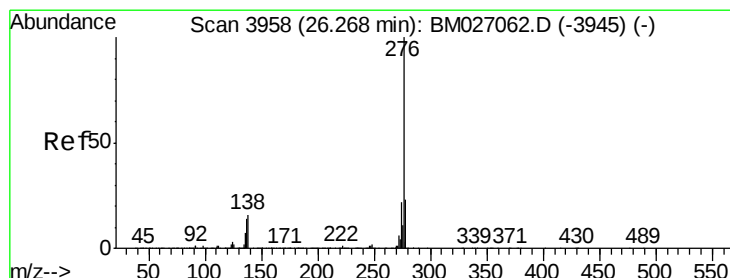
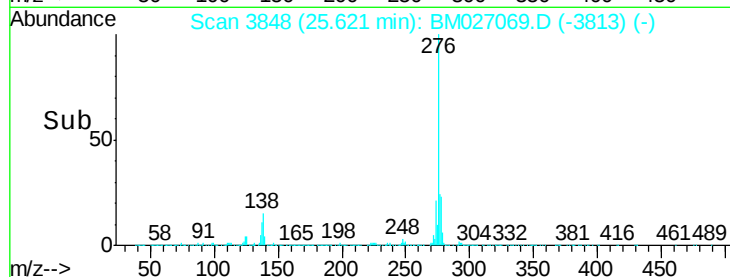
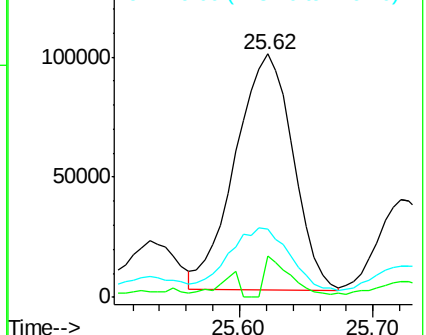
279 27.8 18.7 28.1



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#94

Benzo(g,h,i)perylene

Concen: 24.708 ng/ul

RT: 26.29 min Scan# 3962

Delta R.T. 0.02 min

Lab File: BM027069.D

Acq: 13 Aug 2020 20:04

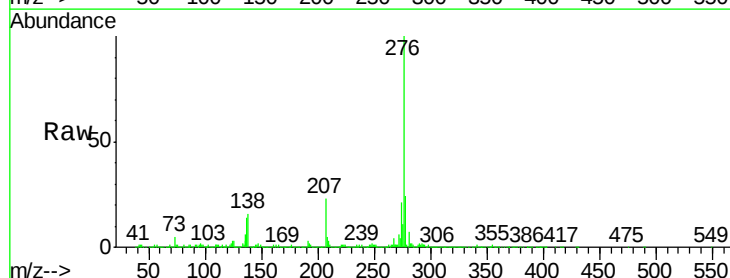
Tgt Ion:276 Resp: 1021078

Ion Ratio Lower Upper

276 100

138 16.0 12.3 18.5

277 24.1 19.0 28.6



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

