

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
 Data File : BM027106.D
 Acq On : 15 Aug 2020 02:58
 Operator : JU/CG
 Sample : L3631-07
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFMM3

Quant Time: Aug 17 01:24:53 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	7.63	152	144443	20.00	ng/ul	0.00
18) Naphthalene-d8	10.41	136	528736	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.27	164	333630	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.02	188	693738	20.00	ng/ul	0.00
78) Chrysene-d12	21.20	240	730436	20.00	ng/ul	-0.01
86) Perylene-d12	23.40	264	741025	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	9240	2.91	ng/uL	0.00
5) Phenol-d5	6.82	99	198416	17.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	148694	19.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	164025	18.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.34	113	149708	17.10	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	80168	19.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	85617	19.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	168566	18.47	ng/ul	0.00
29) 4-Chloroaniline-d4	10.54	131	194045	18.29	ng/ul	0.00
44) Dimethylphthalate-d6	13.69	166	542007	20.37	ng/ul	0.00
47) Acenaphthylene-d8	13.96	160	617651	19.48	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	55430	12.34	ng/ul	0.00
58) Fluorene-d10	15.27	176	450416	19.42	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	42455	11.20	ng/ul	0.00
71) Anthracene-d10	17.12	188	669361	19.58	ng/ul	0.00
79) Pyrene-d10	19.41	212	747104	20.51	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.26	264	796802	19.26	ng/ul	0.00

Target Compounds

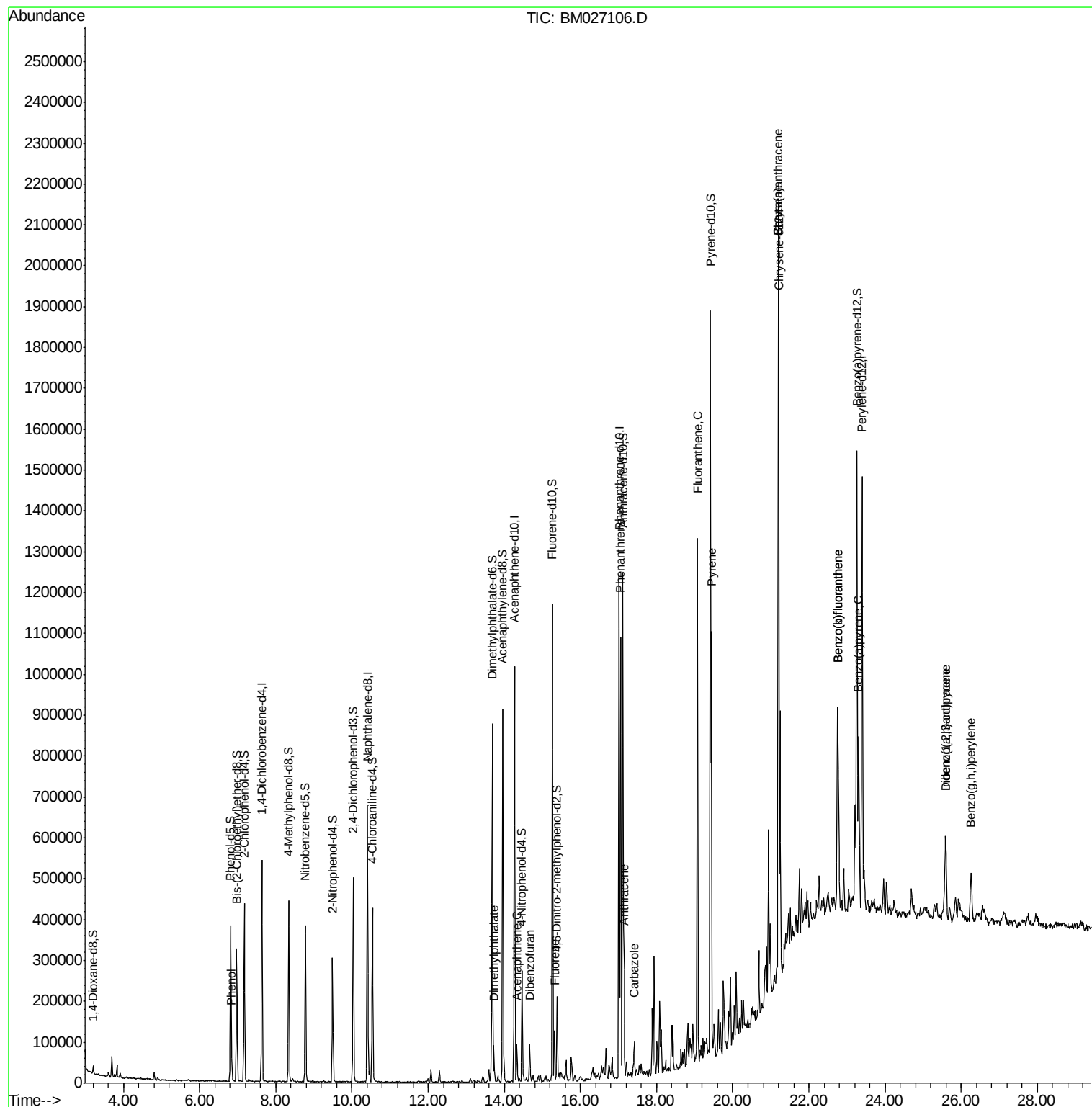
					Ovalue	
6) Phenol	6.85	94	24525	2.071	ng/ul#	88
45) Dimethylphthalate	13.73	163	53074	1.904	ng/ul#	98
50) Acenaphthene	14.33	153	33671	1.474	ng/ul	97
54) Dibenzofuran	14.67	168	47011	1.438	ng/ul	97
59) Fluorene	15.32	166	47171	1.724	ng/ul	95
70) Phenanthrene	17.06	178	611865	14.712	ng/ul	99
72) Anthracene	17.15	178	151436	3.578	ng/ul	98
75) Carbazole	17.42	167	51005	1.428	ng/ul	98
77) Fluoranthene	19.07	202	741664	14.706	ng/ul	99
80) Pyrene	19.44	202	603681	12.176	ng/ul	99
83) Benzo(a)anthracene	21.19	228	398691	8.108	ng/ul	97
85) Chrysene	21.19	228	398691	8.260	ng/ul	96
88) Benzo(b)fluoranthene	22.75	252	424986	8.259	ng/ul	99
89) Benzo(k)fluoranthene	22.75	252	424986	8.333	ng/ul	97
91) Benzo(a)pyrene	23.30	252	294453	6.288	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	25.59	276	175969	2.916	ng/ul	99
93) Dibenzo(a,h)anthracene	25.60	278	58645	1.147	ng/ul#	89
94) Benzo(g,h,i)perylene	26.26	276	135372	2.716	ng/ul	98

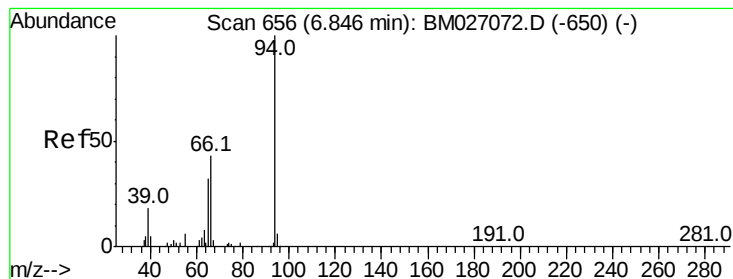
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 2.071 ng/ul

RT: 6.85 min Scan# 656

Delta R.T. 0.00 min

Lab File: BM027106.D

Acq: 15 Aug 2020 02:58

Instrument :

BNA_M

ClientSampleId :

BFMM3

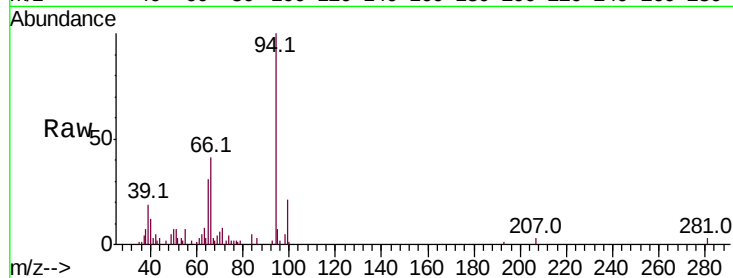
Tot Ion: 94 Resp: 24525

Ion Ratio Lower Upper

94 100

65 31.0 28.6 43.0

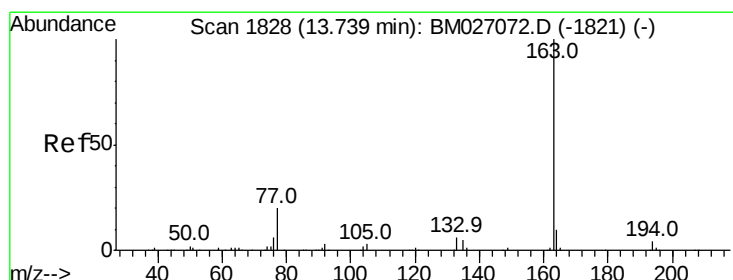
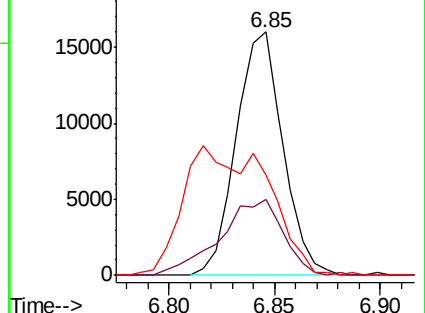
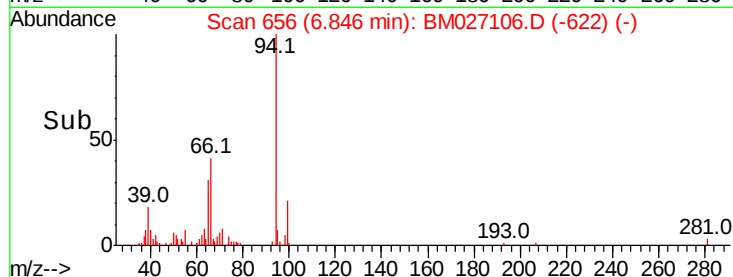
66 40.9 41.3 61.9#



Abundance Ion 94.00 (93.70 to 94.70): BM027072.D (-650) (-)

Ion 65.00 (64.70 to 65.70): BM027072.D (-650) (-)

Ion 66.00 (65.70 to 66.70): BM027072.D (-650) (-)



#45

Dimethylphthalate

Concen: 1.904 ng/ul

RT: 13.73 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BM027106.D

Acq: 15 Aug 2020 02:58

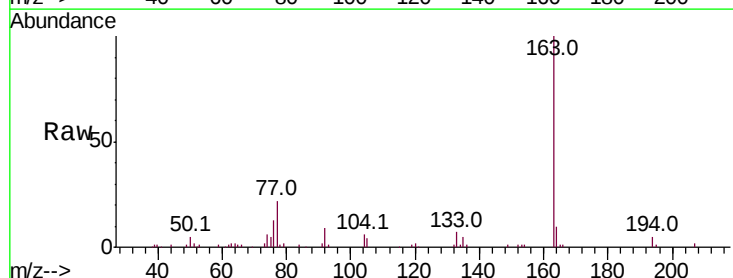
Tgt Ion: 163 Resp: 53074

Ion Ratio Lower Upper

163 100

194 4.9 3.2 4.8#

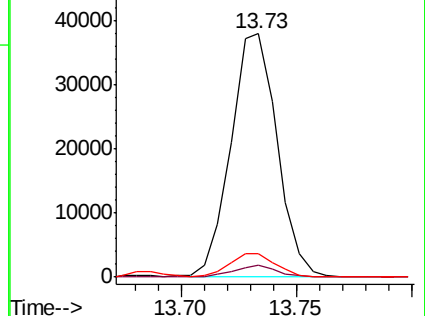
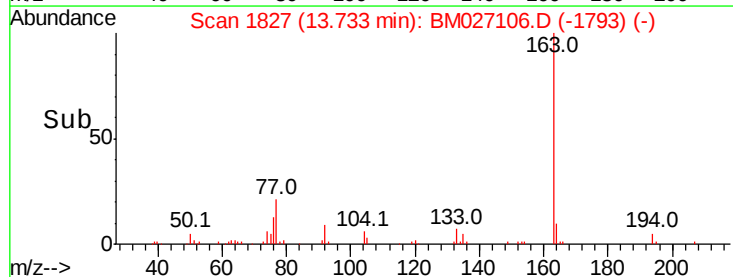
164 9.7 8.2 12.2

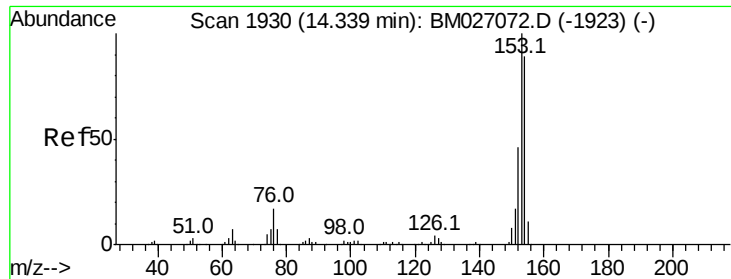


Abundance Ion 163.00 (162.70 to 163.70): BM027072.D (-1821) (-)

Ion 194.00 (193.70 to 194.70): BM027072.D (-1821) (-)

Ion 164.00 (163.70 to 164.70): BM027072.D (-1821) (-)





#50

Acenaphthene

Concen: 1.474 ng/ul

RT: 14.33 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BM027106.D

Acq: 15 Aug 2020 02:58

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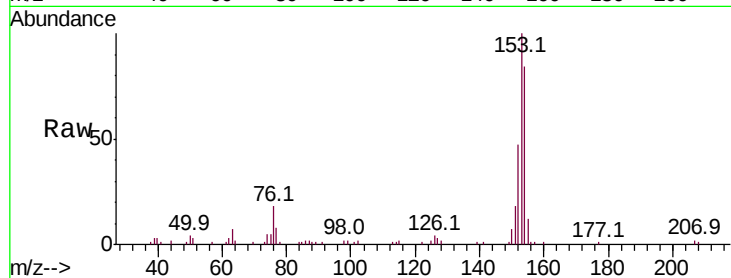
Tot Ion:153 Resp: 33671

Ion Ratio Lower Upper

153 100

152 47.0 35.9 53.9

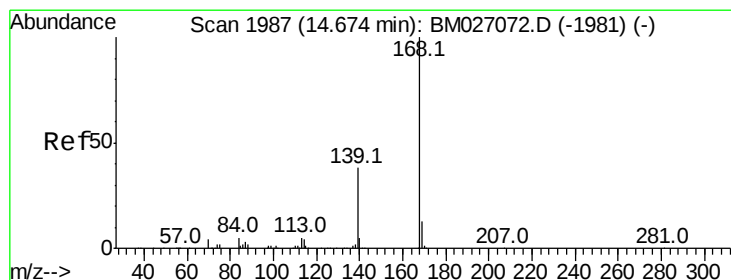
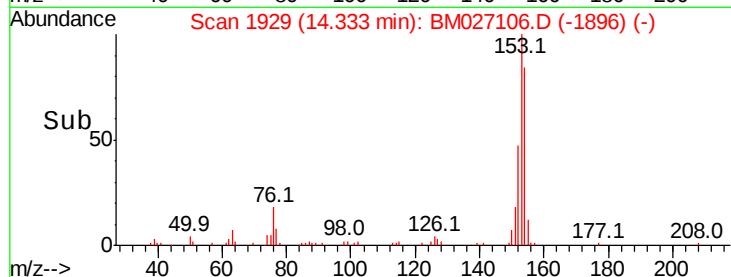
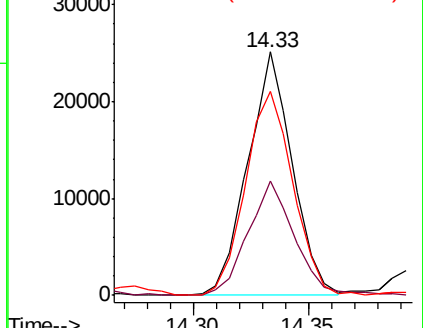
154 83.5 69.4 104.0



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: 1.438 ng/ul

RT: 14.67 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BM027106.D

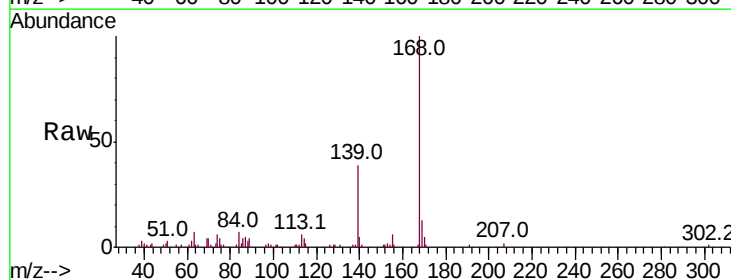
Acq: 15 Aug 2020 02:58

Tgt Ion:168 Resp: 47011

Ion Ratio Lower Upper

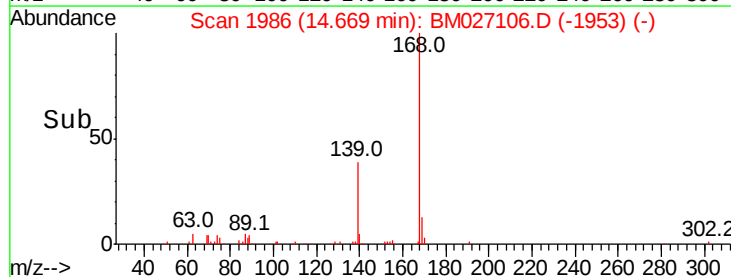
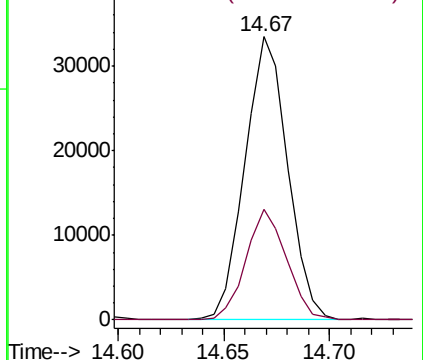
168 100

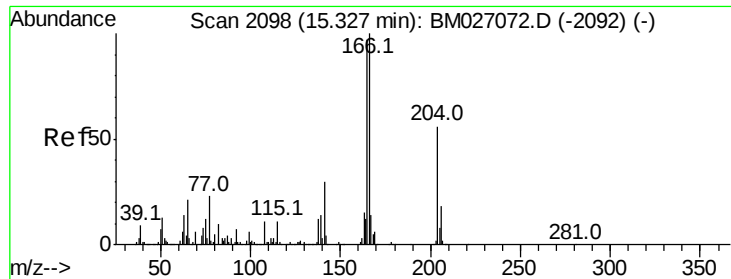
139 39.0 29.9 44.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 1.724 ng/ul

RT: 15.32 min Scan# 2097

Delta R.T. -0.01 min

Lab File: BM027106.D

Acq: 15 Aug 2020 02:58

Instrument :

BNA_M

ClientSampleId :

BFMM3

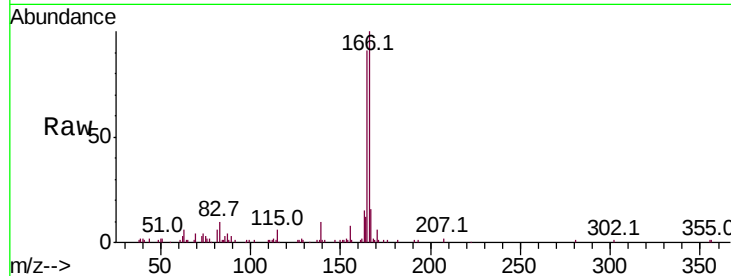
Tot Ion:166 Resp: 47171

Ion Ratio Lower Upper

166 100

165 90.9 76.9 115.3

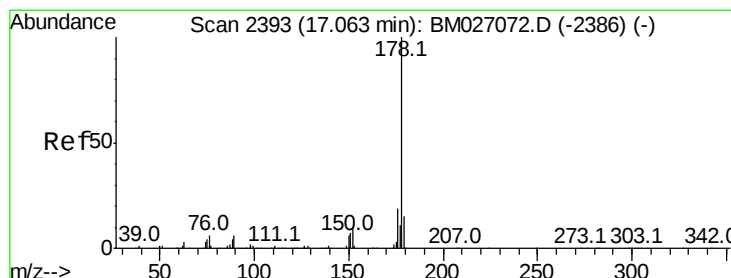
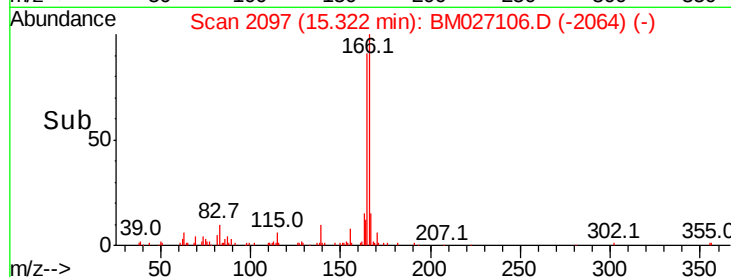
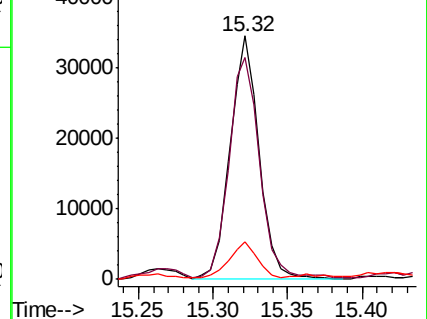
167 15.6 10.5 15.7



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: 14.712 ng/ul

RT: 17.06 min Scan# 2392

Delta R.T. 0.00 min

Lab File: BM027106.D

Acq: 15 Aug 2020 02:58

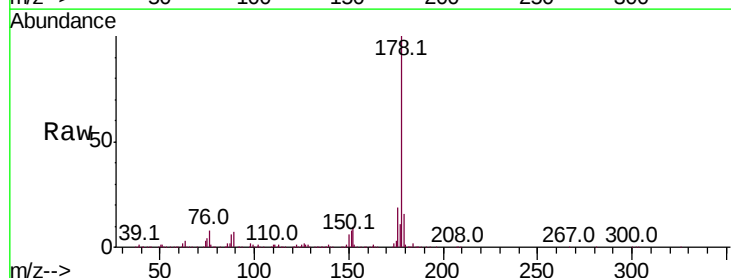
Tgt Ion:178 Resp: 611865

Ion Ratio Lower Upper

178 100

179 15.8 11.9 17.9

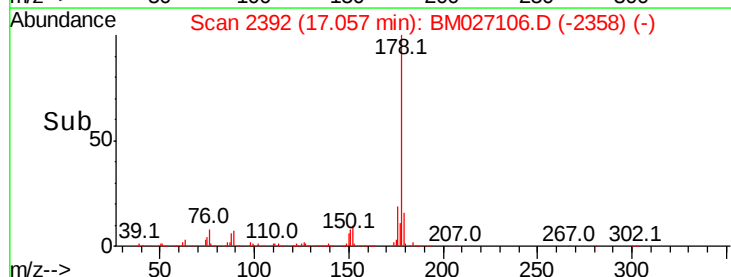
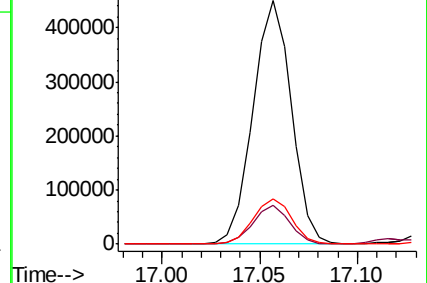
176 18.8 14.6 22.0

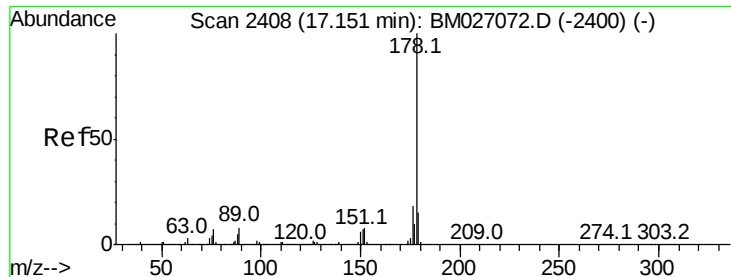


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 3.578 ng/ul

RT: 17.15 min Scan# 2407

Delta R.T. -0.01 min

Lab File: BM027106.D

Acq: 15 Aug 2020 02:58

Instrument :

BNA_M

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BFMM3

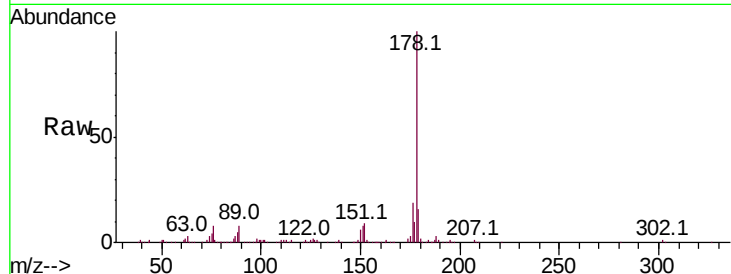
Tot Ion:178 Resp: 151436

Ion Ratio Lower Upper

178 100

179 15.8 12.0 18.0

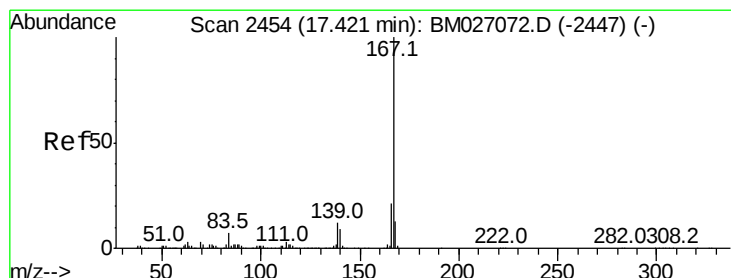
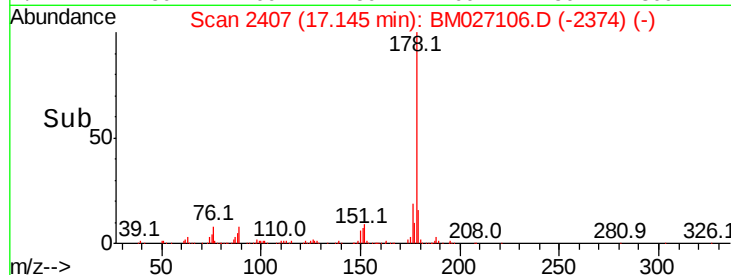
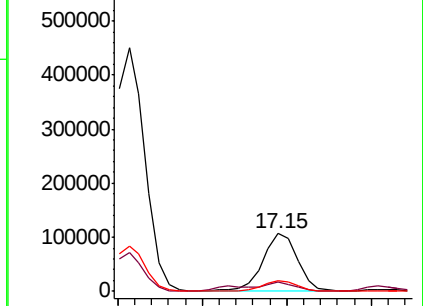
176 18.6 14.3 21.5



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: 1.428 ng/ul

RT: 17.42 min Scan# 2453

Delta R.T. 0.00 min

Lab File: BM027106.D

Acq: 15 Aug 2020 02:58

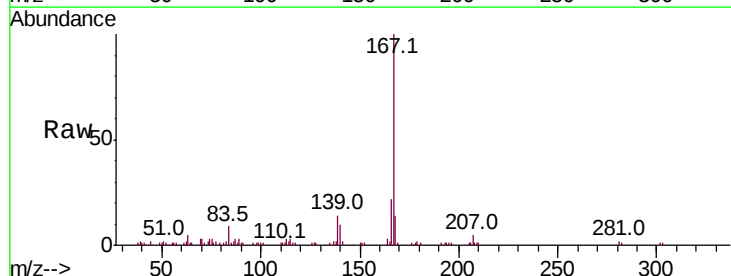
Tgt Ion:167 Resp: 51005

Ion Ratio Lower Upper

167 100

166 21.8 17.0 25.6

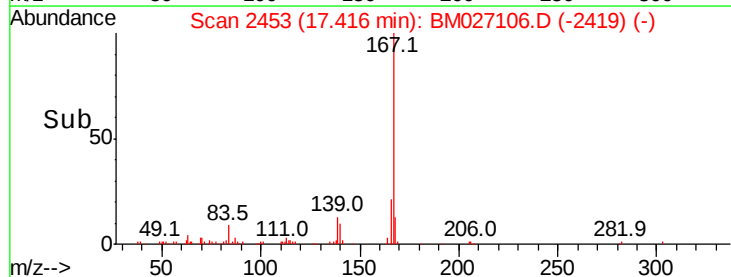
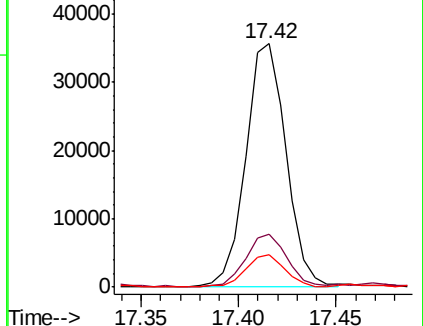
139 13.5 9.8 14.6

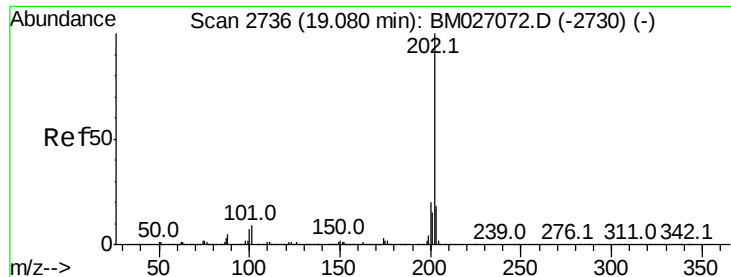


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

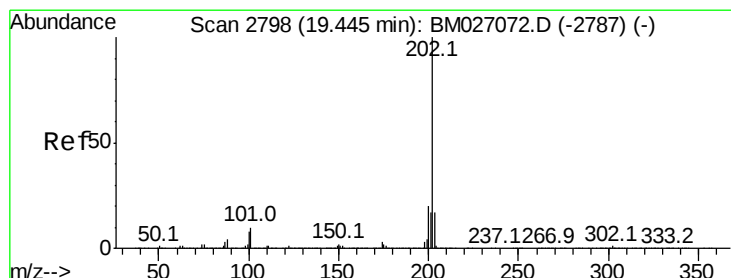
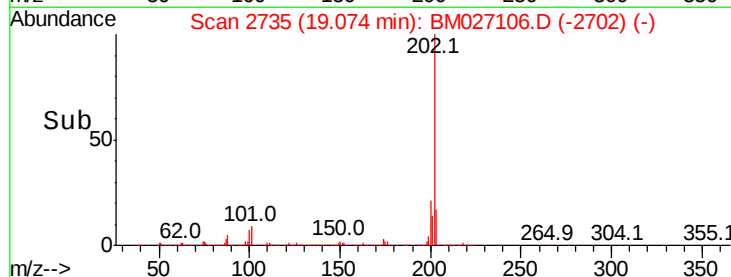
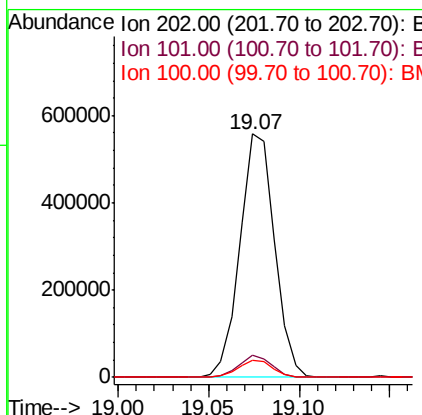
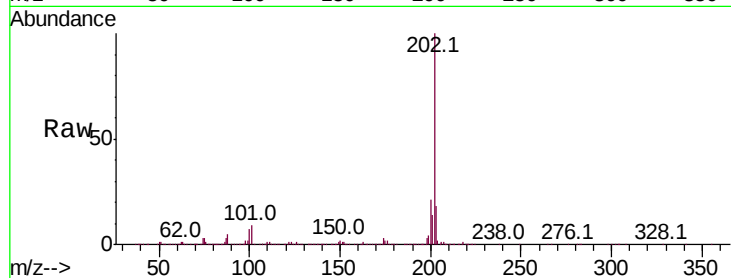




#77
 Fluoranthene
 Concen: 14.706 ng/ul
 RT: 19.07 min Scan# 2735
 Delta R.T. -0.01 min
 Lab File: BM027106.D
 Acq: 15 Aug 2020 02:58

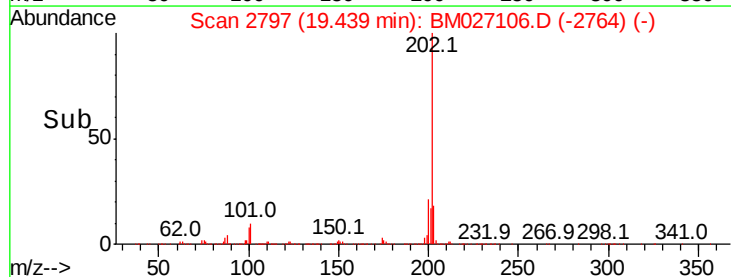
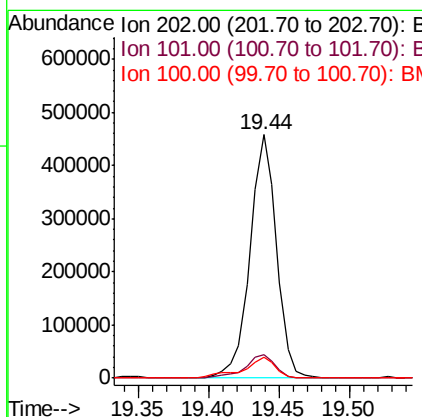
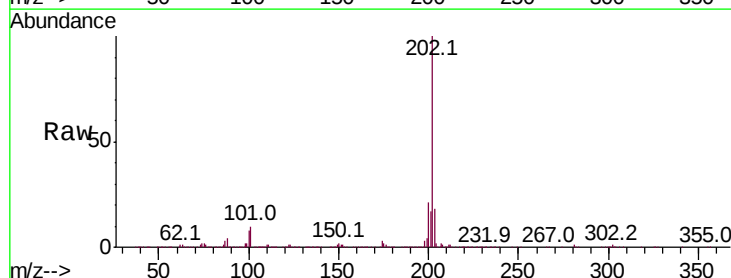
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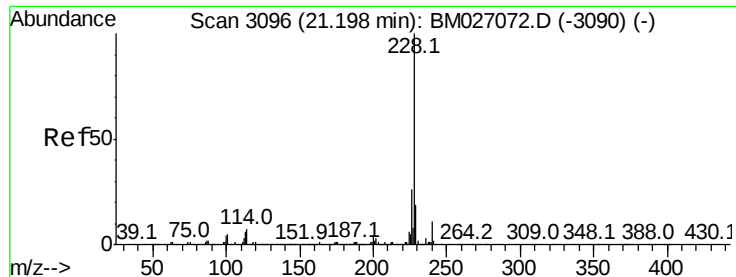
Tot Ion:	202	Resp:	741664
Ion	Ratio	Lower	Upper
202	100		
101	8.9	6.7	10.1
100	7.3	5.4	8.2



#80
 Pyrene
 Concen: 12.176 ng/ul
 RT: 19.44 min Scan# 2797
 Delta R.T. -0.01 min
 Lab File: BM027106.D
 Acq: 15 Aug 2020 02:58

Tgt Ion:	202	Resp:	603681
Ion	Ratio	Lower	Upper
202	100		
101	9.9	7.6	11.4
100	8.4	6.3	9.5

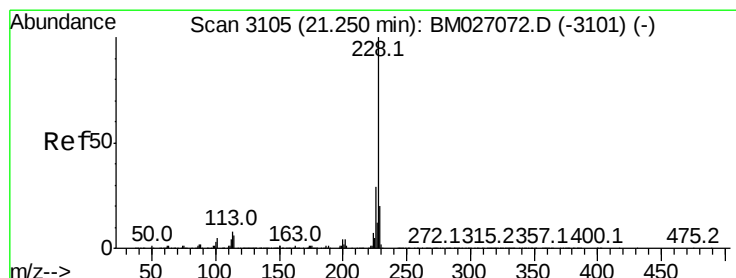
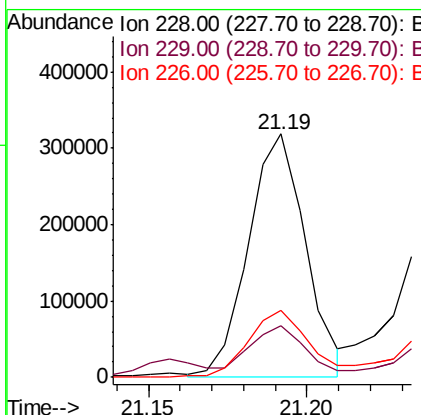
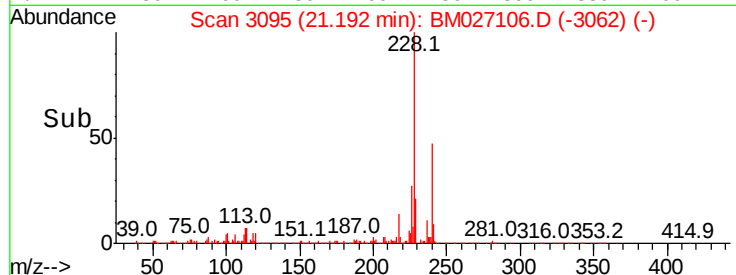
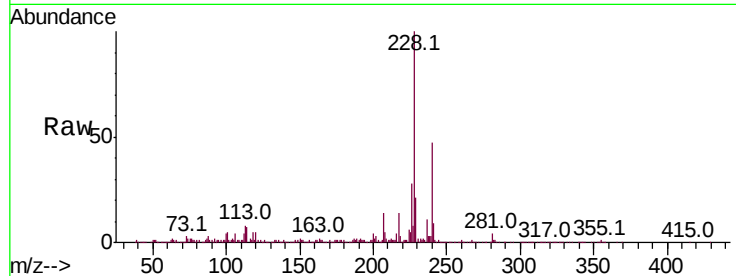




#83
Benzo(a)anthracene
Concen: 8.108 ng/ul
RT: 21.19 min Scan# 3095
Delta R.T. -0.01 min
Lab File: BM027106.D
Acq: 15 Aug 2020 02:58

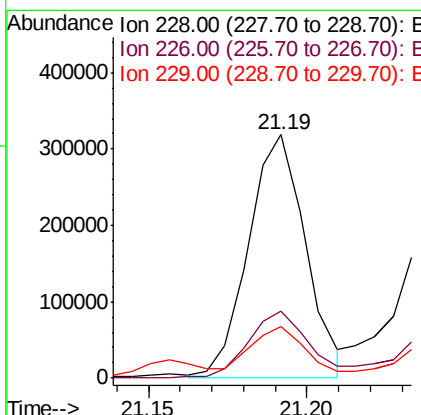
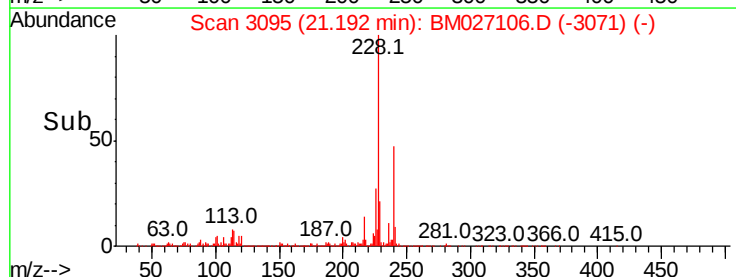
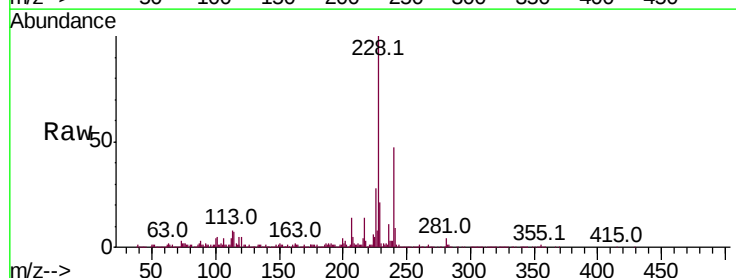
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BNA_M
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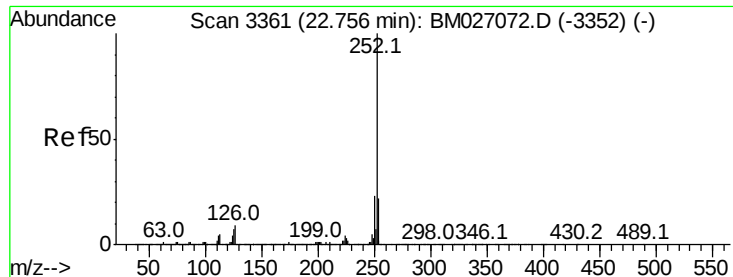
Tot Ion:228 Resp: 398691
Ion Ratio Lower Upper
228 100
229 21.4 15.8 23.6
226 27.5 21.2 31.8



#85
Chrysene
Concen: 8.260 ng/ul
RT: 21.19 min Scan# 3095
Delta R.T. -0.06 min
Lab File: BM027106.D
Acq: 15 Aug 2020 02:58

Tgt Ion:228 Resp: 398691
Ion Ratio Lower Upper
228 100
226 27.5 23.8 35.6
229 21.4 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 8.259 ng/ul

RT: 22.75 min Scan# 3360

Delta R.T. -0.01 min

Lab File: BM027106.D

Acq: 15 Aug 2020 02:58

Instrument :

BNA_M

ClientSampled :

BFMM3

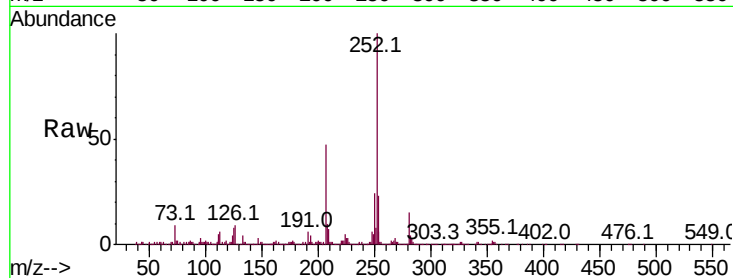
Tot Ion:252 Resp: 424986

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

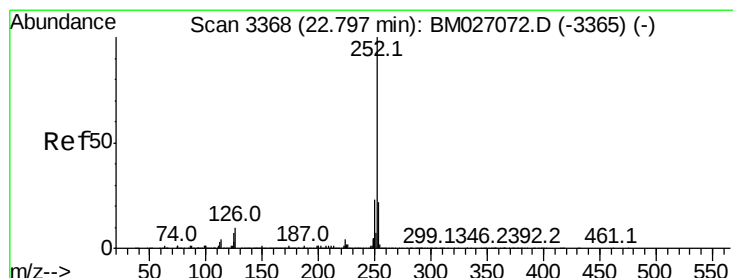
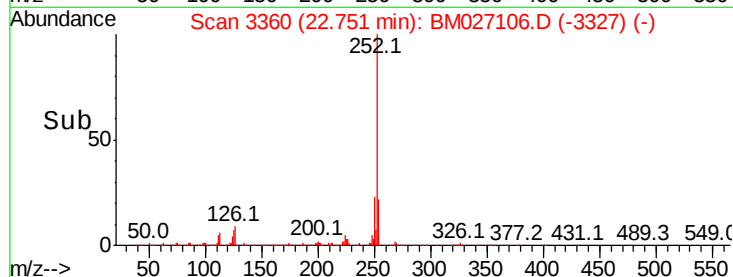
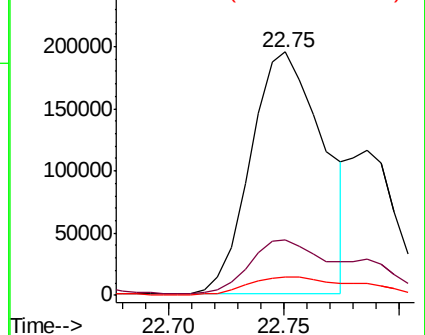
125 7.8 6.0 9.0



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: 8.333 ng/ul

RT: 22.75 min Scan# 3360

Delta R.T. -0.05 min

Lab File: BM027106.D

Acq: 15 Aug 2020 02:58

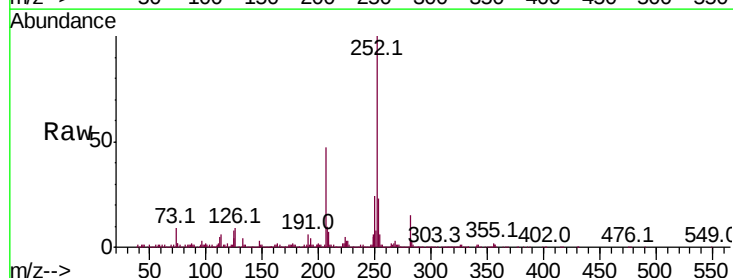
Tgt Ion:252 Resp: 424986

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

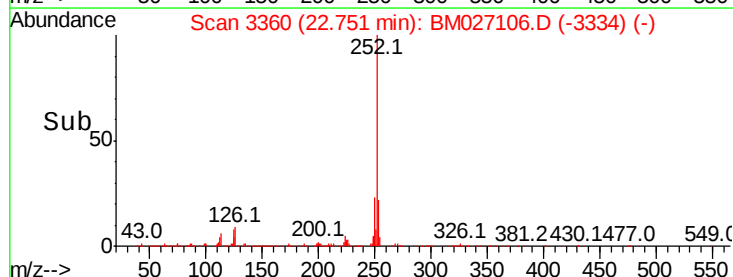
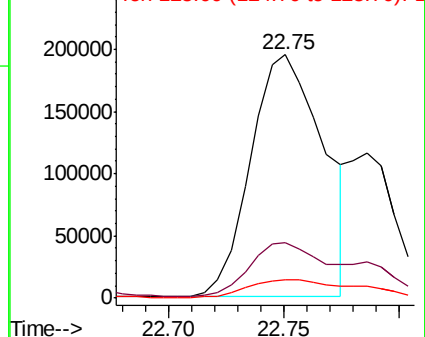
125 7.8 5.5 8.3

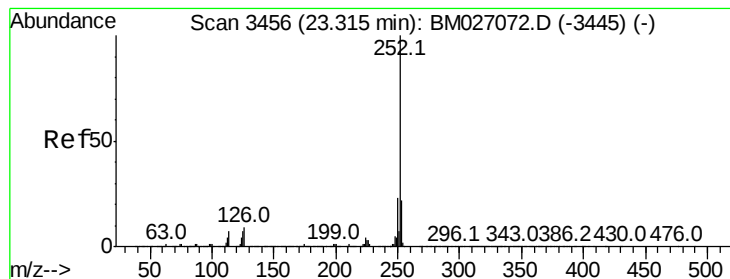


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 6.288 ng/ul

RT: 23.30 min Scan# 3454

Delta R.T. -0.01 min

Lab File: BM027106.D

Acq: 15 Aug 2020 02:58

Instrument :

BNA_M

ClientSampleId :

BFMM3

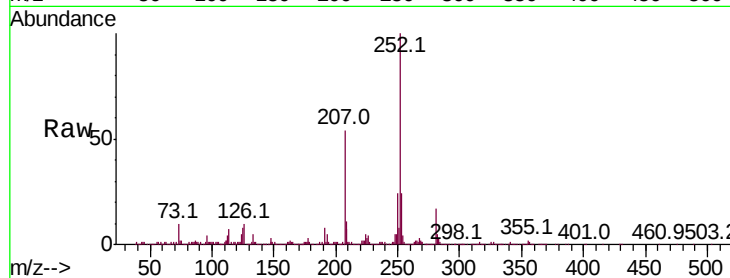
Tot Ion:252 Resp: 294453

Ion Ratio Lower Upper

252 100

253 23.8 17.0 25.4

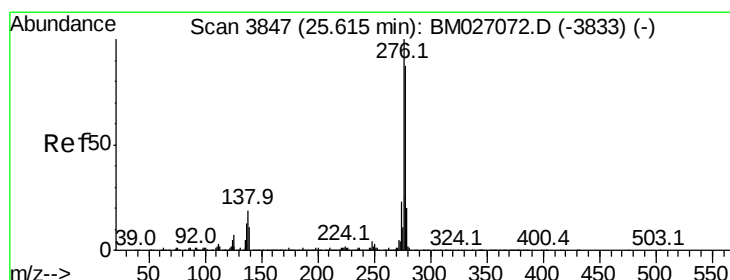
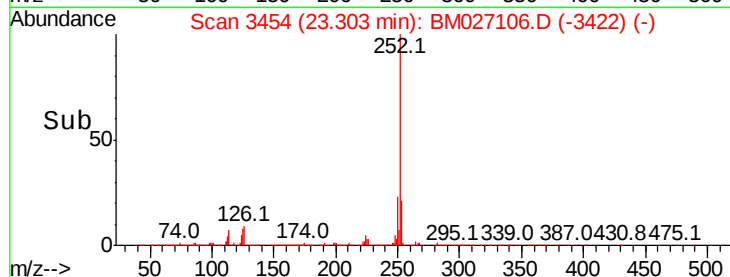
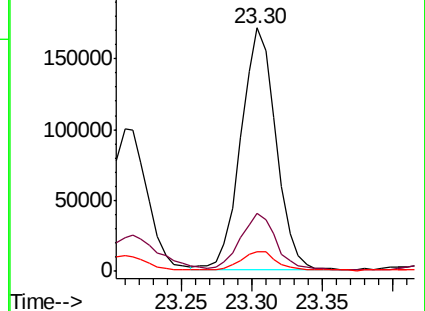
125 8.0 5.8 8.8



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: 2.916 ng/ul

RT: 25.59 min Scan# 3843

Delta R.T. -0.01 min

Lab File: BM027106.D

Acq: 15 Aug 2020 02:58

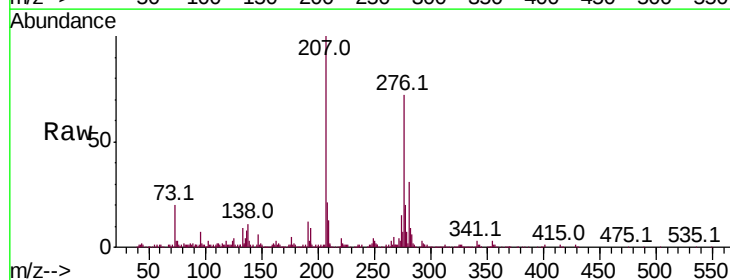
Tgt Ion:276 Resp: 175969

Ion Ratio Lower Upper

276 100

138 16.1 13.9 20.9

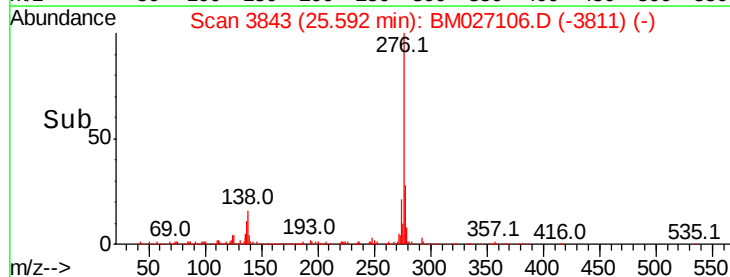
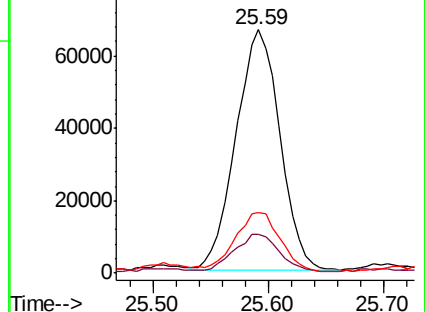
277 24.8 19.8 29.8

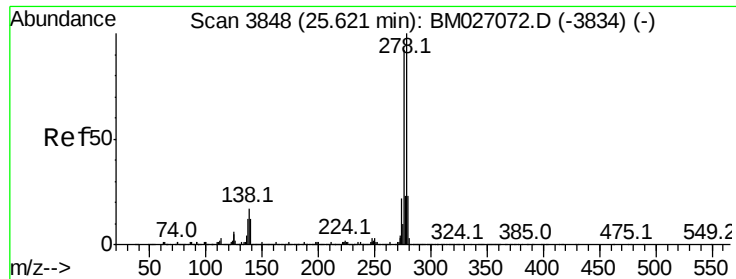


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 1.147 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. -0.02 min

Lab File: BM027106.D

Acq: 15 Aug 2020 02:58

Instrument :

BNA_M

ClientSampleId :

BFMM3

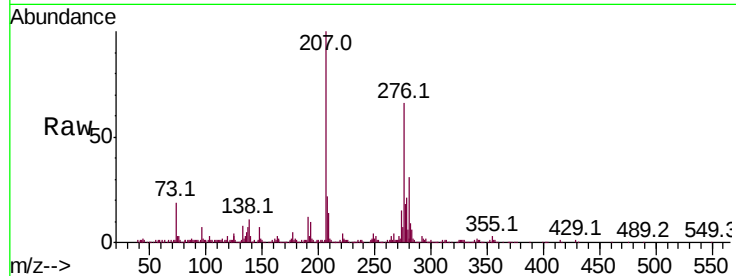
Tot Ion:278 Resp: 58645

Ion Ratio Lower Upper

278 100

139 15.2 9.4 14.0#

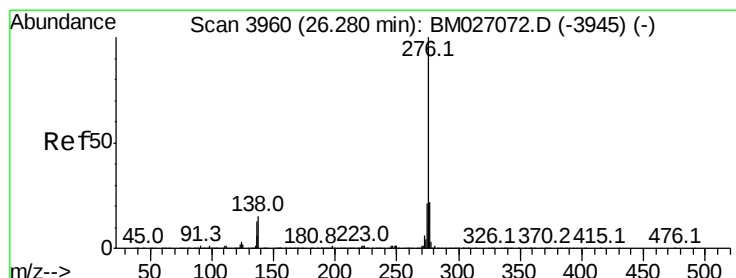
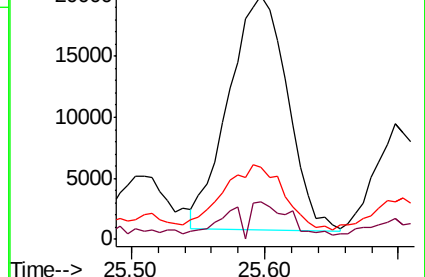
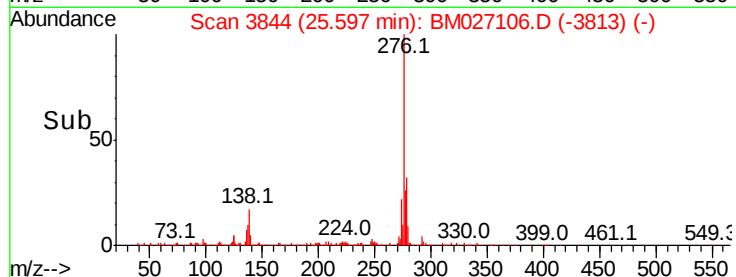
279 29.5 18.7 28.1#



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: 2.716 ng/ul

RT: 26.26 min Scan# 3956

Delta R.T. -0.02 min

Lab File: BM027106.D

Acq: 15 Aug 2020 02:58

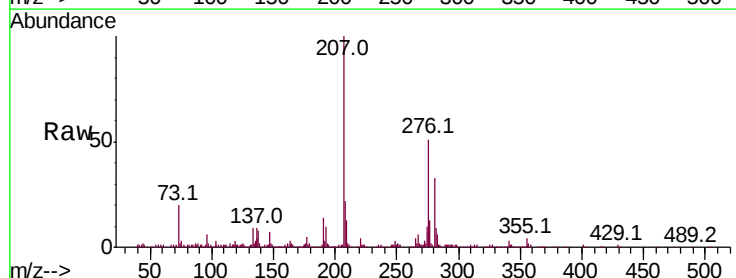
Tgt Ion:276 Resp: 135372

Ion Ratio Lower Upper

276 100

138 15.8 12.3 18.5

277 24.8 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

