

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
 Data File : BM027103.D
 Acq On : 15 Aug 2020 01:09
 Operator : JU/CG
 Sample : L3631-03
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFML9

Quant Time: Aug 17 01:24:16 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	135305	20.00	ng/ul	0.00
18) Naphthalene-d8	10.41	136	492069	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.27	164	313635	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.02	188	672223	20.00	ng/ul	0.00
78) Chrysene-d12	21.21	240	734630	20.00	ng/ul	0.00
86) Perylene-d12	23.40	264	755147	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	7681	2.58	ng/uL	0.00
5) Phenol-d5	6.82	99	163385	15.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.97	67	115645	16.05	ng/ul	0.00
9) 2-Chlorophenol-d4	7.17	132	132576	15.98	ng/ul	0.00
13) 4-Methylphenol-d8	8.34	113	123512	15.06	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	62804	16.10	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	66919	16.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	143948	16.94	ng/ul	0.00
29) 4-Chloroaniline-d4	10.54	131	127573	12.92	ng/ul	0.00
44) Dimethylphthalate-d6	13.69	166	483132	19.32	ng/ul	0.00
47) Acenaphthylene-d8	13.96	160	527686	17.71	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	57661	13.66	ng/ul	0.00
58) Fluorene-d10	15.27	176	390658	17.92	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	44559	12.14	ng/ul	0.00
71) Anthracene-d10	17.11	188	589633	17.80	ng/ul	0.00
79) Pyrene-d10	19.41	212	687326	18.76	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.26	264	753046	17.86	ng/ul	0.00

Target Compounds

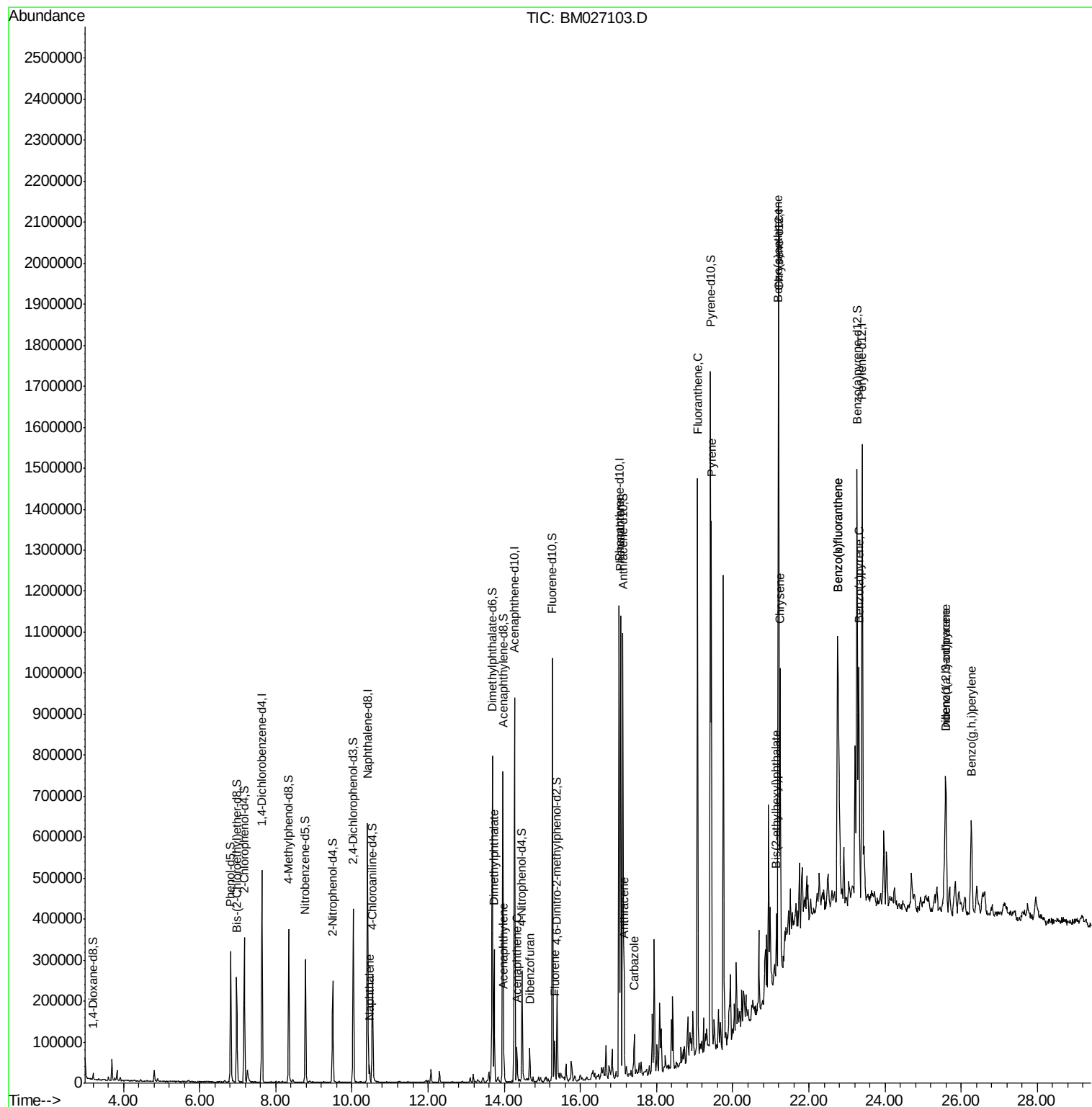
					Ovalue	
28) Naphthalene	10.46	128	30712	1.123	ng/ul	98
45) Dimethylphthalate	13.73	163	186917	7.132	ng/ul	99
48) Acenaphthylene	13.99	152	36667	1.210	ng/ul	95
50) Acenaphthene	14.33	153	32388	1.508	ng/ul	98
54) Dibenzofuran	14.67	168	46187	1.503	ng/ul	100
59) Fluorene	15.32	166	35237	1.370	ng/ul#	96
70) Phenanthrene	17.06	178	642306	15.938	ng/ul	99
72) Anthracene	17.14	178	138335	3.374	ng/ul	98
75) Carbazole	17.42	167	59666	1.724	ng/ul	95
77) Fluoranthene	19.08	202	852397	17.443	ng/ul	97
80) Pyrene	19.44	202	762357	15.289	ng/ul	100
83) Benzo(a)anthracene	21.19	228	420587	8.504	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.15	149	52014	1.879	ng/ul	99
85) Chrysene	21.24	228	416003	8.569	ng/ul	98
88) Benzo(b)fluoranthene	22.75	252	579251	11.047	ng/ul	98
89) Benzo(k)fluoranthene	22.75	252	579251	11.146	ng/ul	97
91) Benzo(a)pyrene	23.31	252	403104	8.447	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.59	276	301382	4.901	ng/ul	96
93) Dibenzo(a,h)anthracene	25.60	278	78370	1.505	ng/ul#	93
94) Benzo(g,h,i)perylene	26.26	276	275669	5.428	ng/ul	99

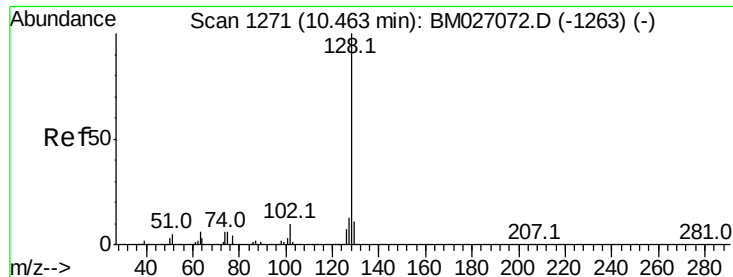
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 1.123 ng/ul

RT: 10.46 min Scan# 1270

Delta R.T. -0.00 min

Lab File: BM027103.D

Acq: 15 Aug 2020 01:09

Instrument :

BNA_M

ClientSampleId :

BFML9

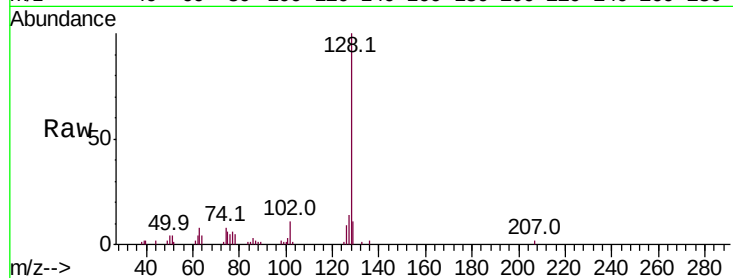
Tot Ion:128 Resp: 30712

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

127 14.2 10.5 15.7

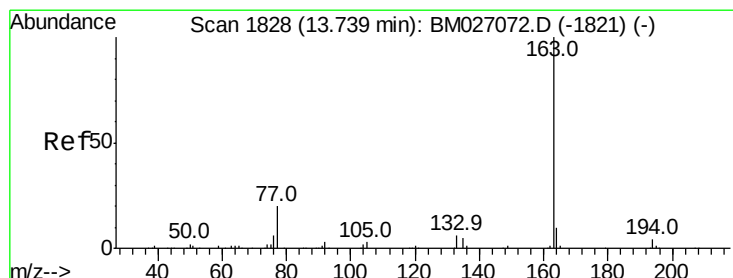
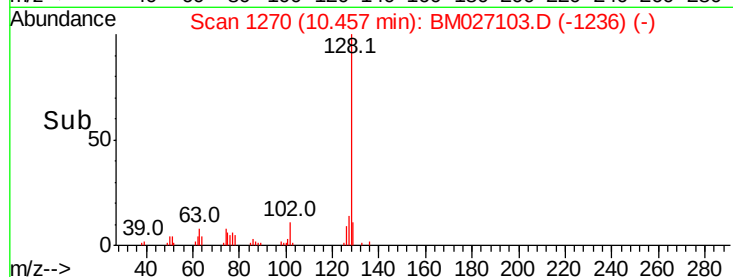
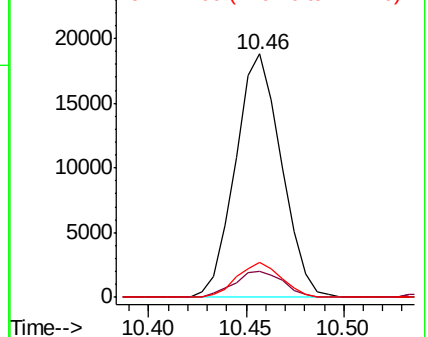


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#45

Dimethylphthalate

Concen: 7.132 ng/ul

RT: 13.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BM027103.D

Acq: 15 Aug 2020 01:09

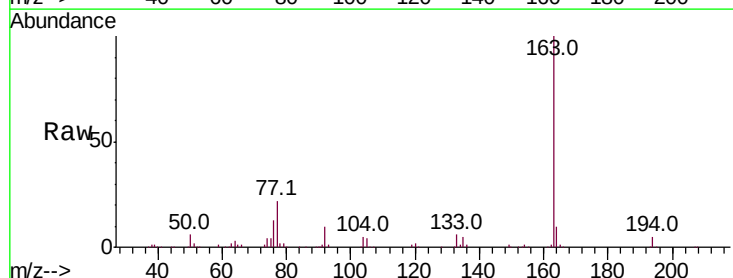
Tgt Ion:163 Resp: 186917

Ion Ratio Lower Upper

163 100

194 4.5 3.2 4.8

164 10.1 8.2 12.2

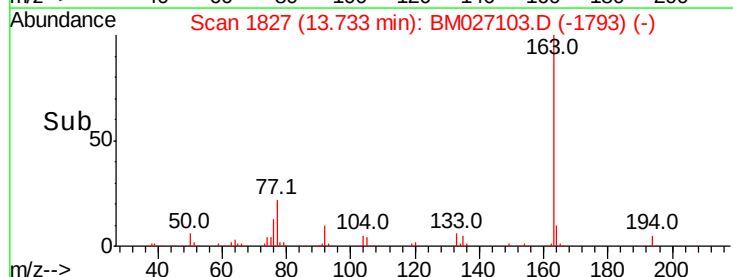
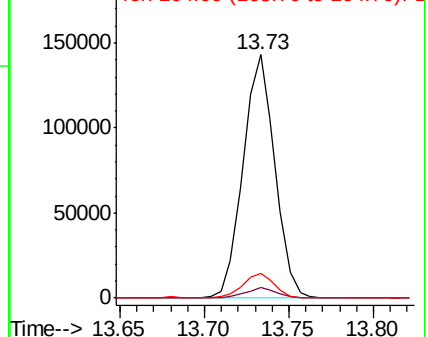


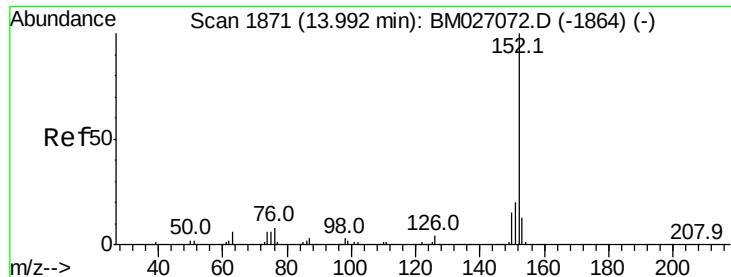
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 1.210 ng/ul

RT: 13.99 min Scan# 1870

Delta R.T. -0.01 min

Lab File: BM027103.D

Acq: 15 Aug 2020 01:09

Instrument :

BNA_M

ClientSampleId :

BFML9

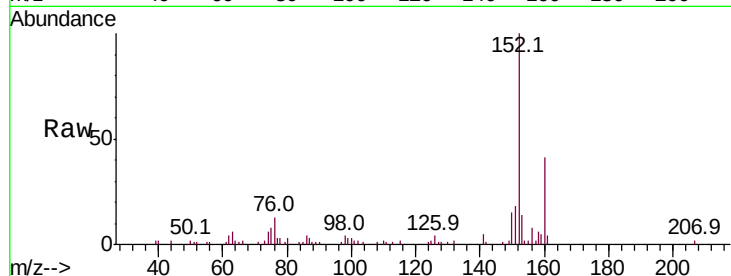
Tot Ion:152 Resp: 36667

Ion Ratio Lower Upper

152 100

151 17.7 15.9 23.9

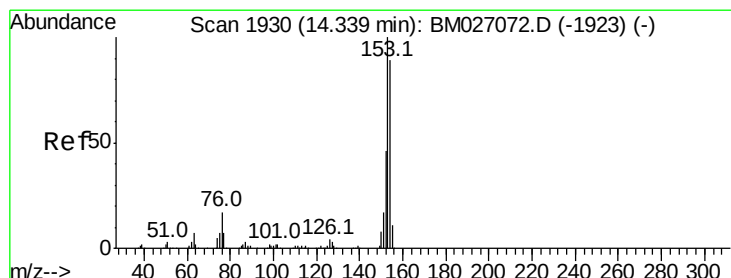
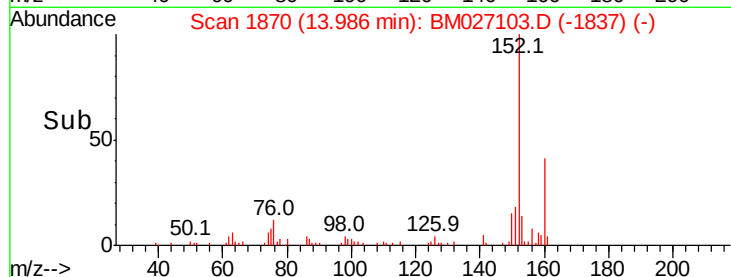
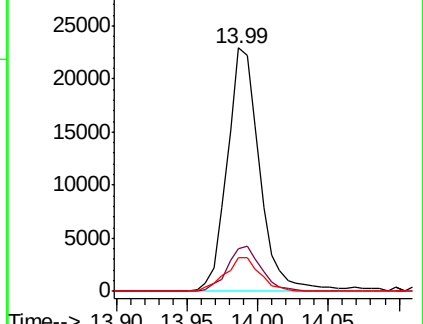
153 14.1 9.8 14.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 1.508 ng/ul

RT: 14.33 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BM027103.D

Acq: 15 Aug 2020 01:09

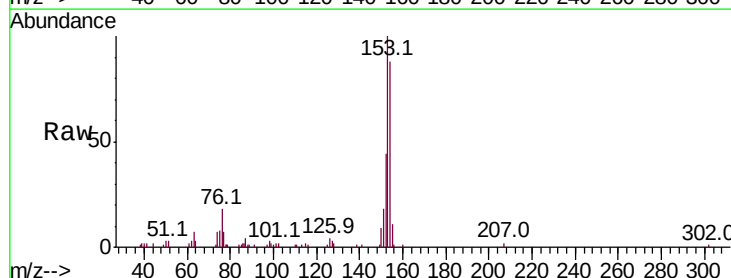
Tgt Ion:153 Resp: 32388

Ion Ratio Lower Upper

153 100

152 43.9 35.9 53.9

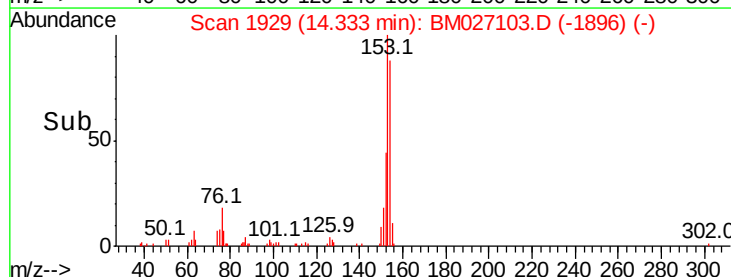
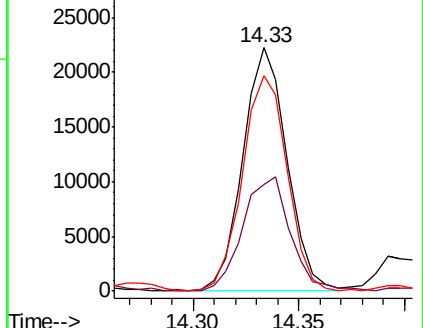
154 88.3 69.4 104.0

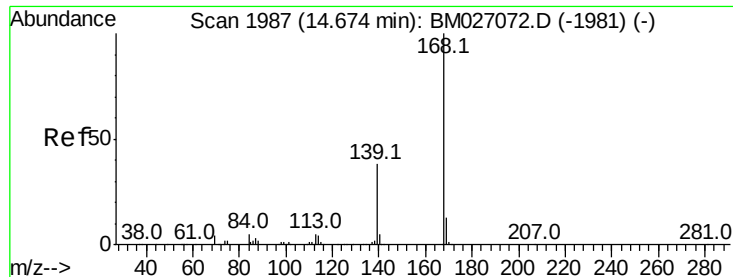


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 1.503 ng/ul

RT: 14.67 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BM027103.D

Acq: 15 Aug 2020 01:09

Instrument :

BNA_M

ClientSampleId :

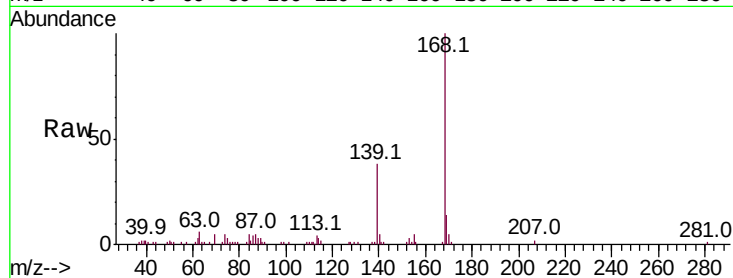
BFML9

Tot Ion:168 Resp: 46187

Ion Ratio Lower Upper

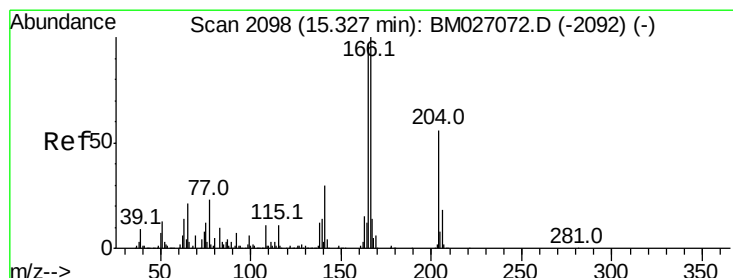
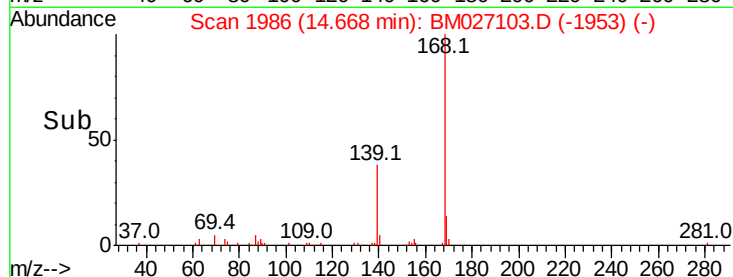
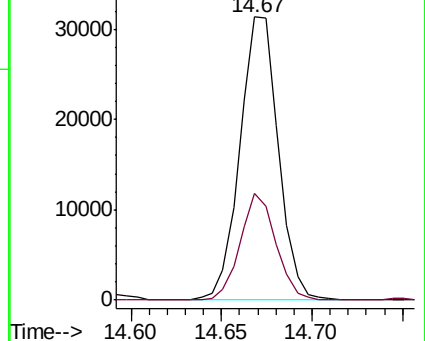
168 100

139 37.6 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: 1.370 ng/ul

RT: 15.32 min Scan# 2097

Delta R.T. -0.01 min

Lab File: BM027103.D

Acq: 15 Aug 2020 01:09

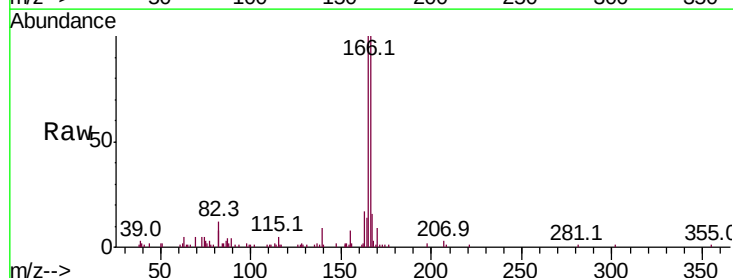
Tgt Ion:166 Resp: 35237

Ion Ratio Lower Upper

166 100

165 99.6 76.9 115.3

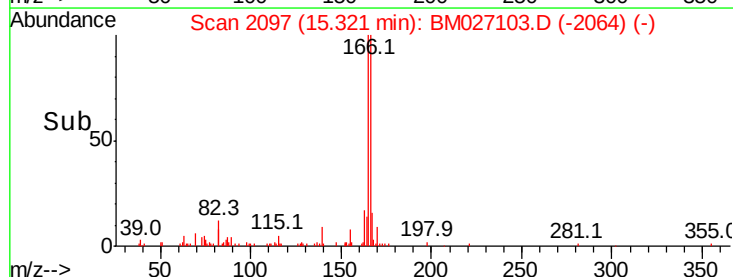
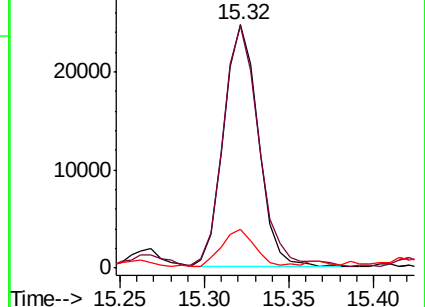
167 16.1 10.5 15.7#

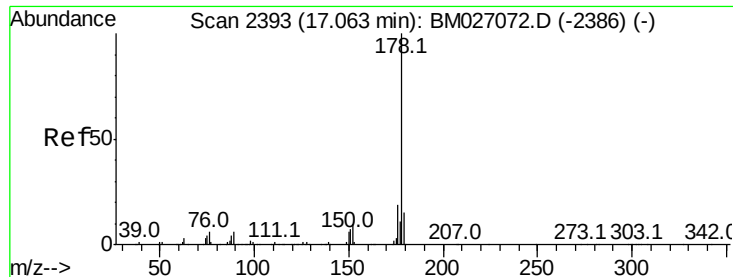


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 15.938 ng/ul

RT: 17.06 min Scan# 2392

Delta R.T. -0.00 min

Lab File: BM027103.D

Acq: 15 Aug 2020 01:09

Instrument :

BNA_M

ClientSampleId :

BFML9

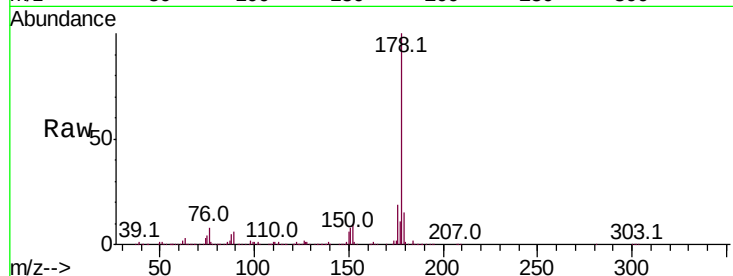
Tot Ion:178 Resp: 642306

Ion Ratio Lower Upper

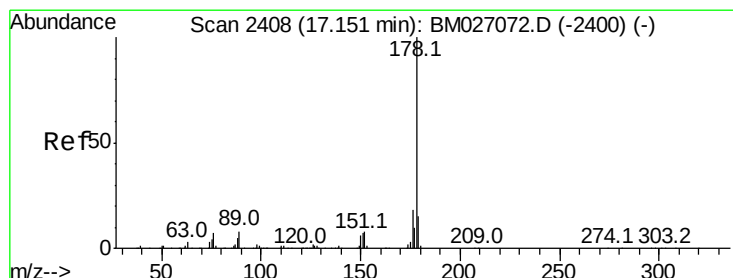
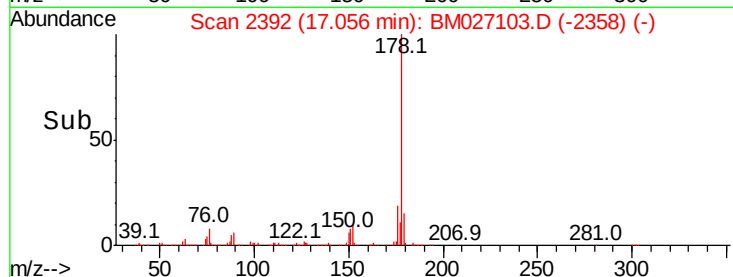
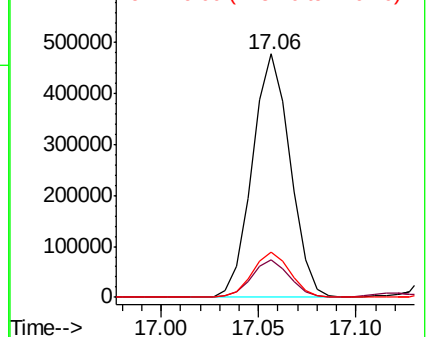
178 100

179 15.3 11.9 17.9

176 18.5 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: 3.374 ng/ul

RT: 17.14 min Scan# 2407

Delta R.T. -0.01 min

Lab File: BM027103.D

Acq: 15 Aug 2020 01:09

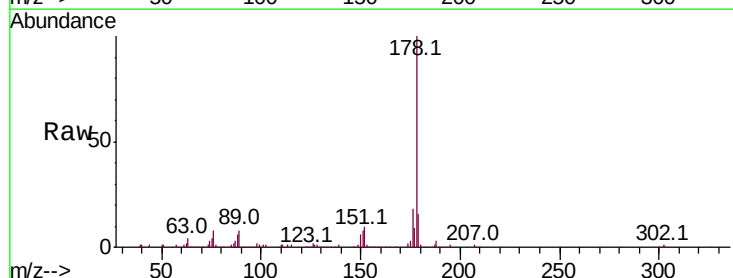
Tgt Ion:178 Resp: 138335

Ion Ratio Lower Upper

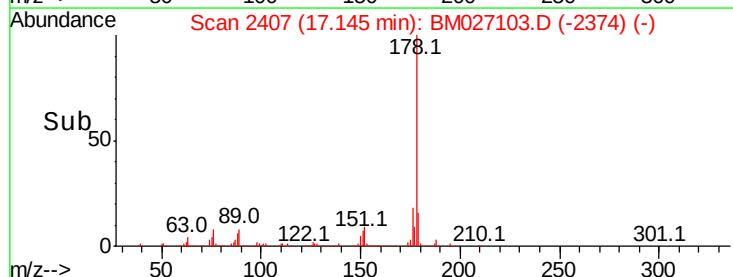
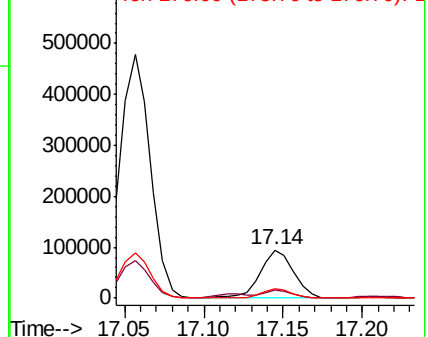
178 100

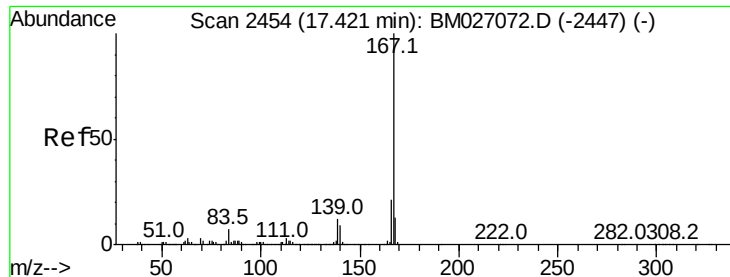
179 15.8 12.0 18.0

176 18.5 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: 1.724 ng/ul

RT: 17.42 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BM027103.D

Acq: 15 Aug 2020 01:09

Instrument :

BNA_M

ClientSampled :

BFML9

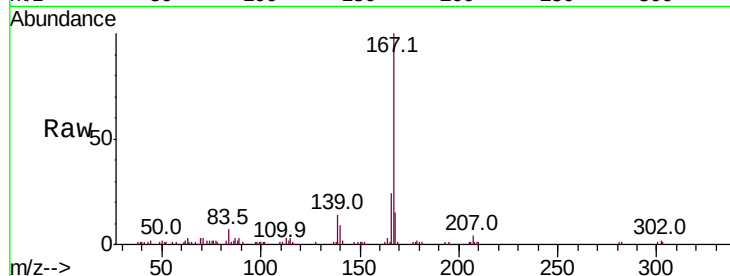
Tot Ion:167 Resp: 59666

Ion Ratio Lower Upper

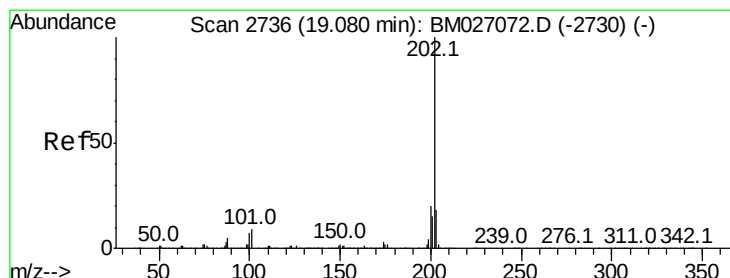
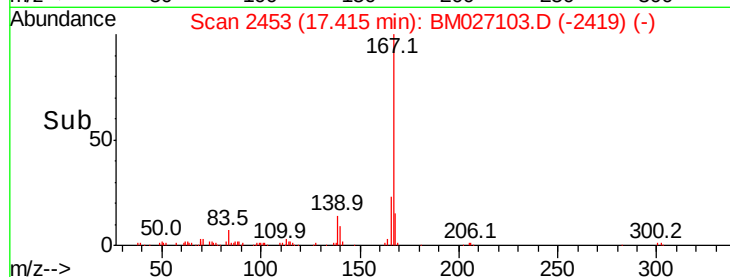
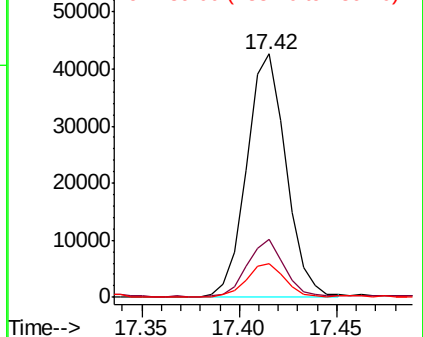
167 100

166 23.7 17.0 25.6

139 14.0 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: 17.443 ng/ul

RT: 19.08 min Scan# 2736

Delta R.T. -0.00 min

Lab File: BM027103.D

Acq: 15 Aug 2020 01:09

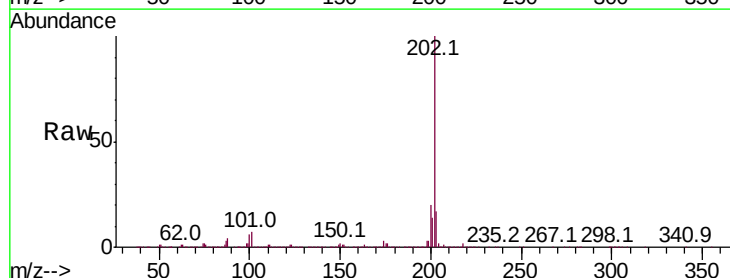
Tgt Ion:202 Resp: 852397

Ion Ratio Lower Upper

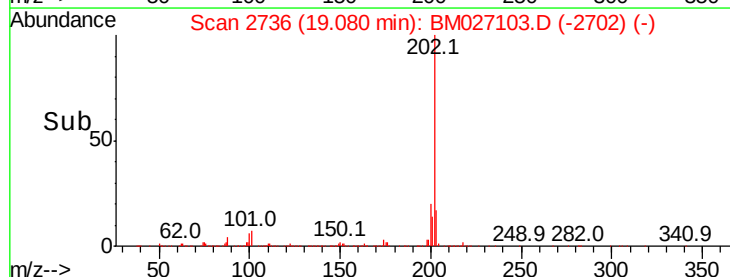
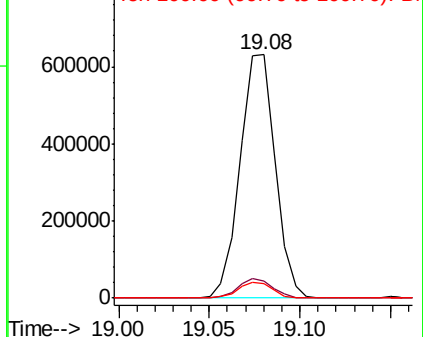
202 100

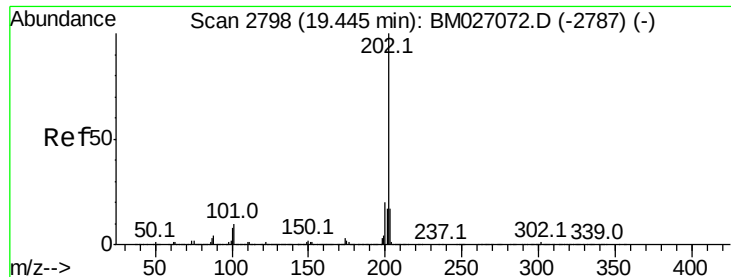
101 7.1 6.7 10.1

100 6.1 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): E





#80

Pvrene

Concen: 15.289 ng/ul

RT: 19.44 min Scan# 2797

Delta R.T. -0.01 min

Lab File: BM027103.D

Acq: 15 Aug 2020 01:09

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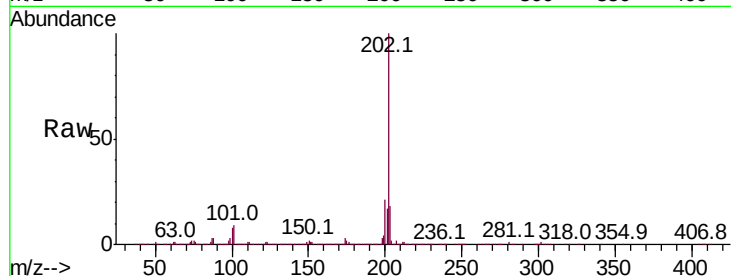
Tot Ion:202 Resp: 762357

Ion Ratio Lower Upper

202 100

101 9.4 7.6 11.4

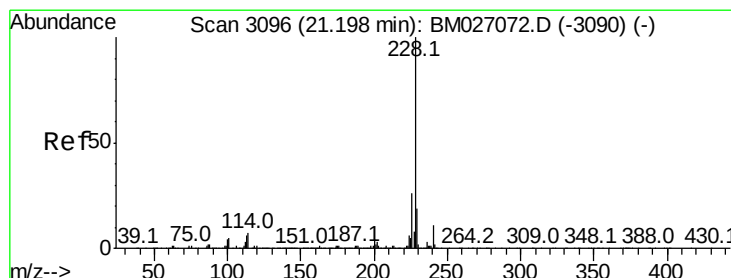
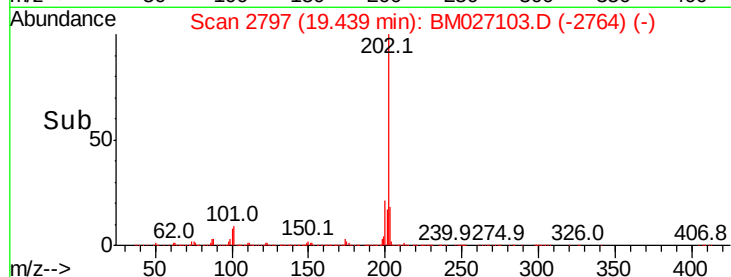
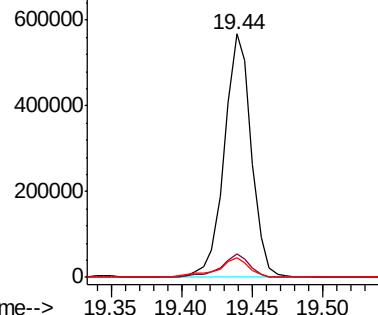
100 8.1 6.3 9.5



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: 8.504 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM027103.D

Acq: 15 Aug 2020 01:09

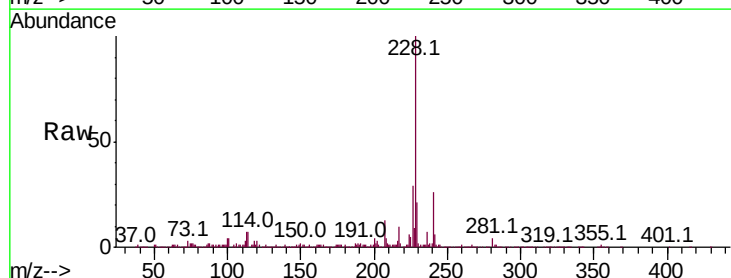
Tgt Ion:228 Resp: 420587

Ion Ratio Lower Upper

228 100

229 20.8 15.8 23.6

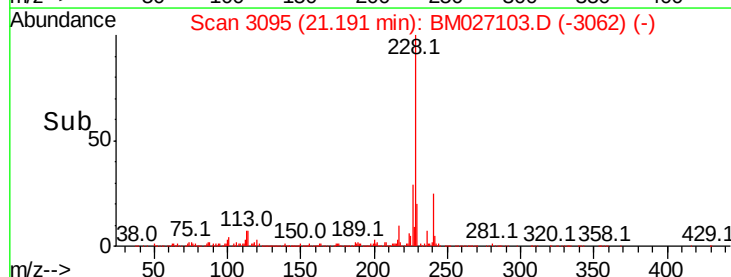
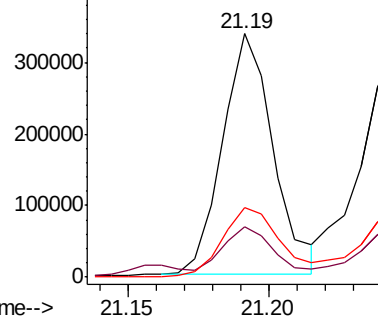
226 28.7 21.2 31.8

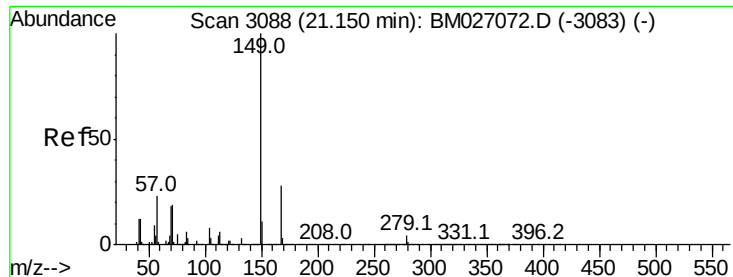


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 1.879 ng/ul

RT: 21.15 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM027103.D

Acq: 15 Aug 2020 01:09

Instrument :

BNA_M

ClientSampleId :

BFML9

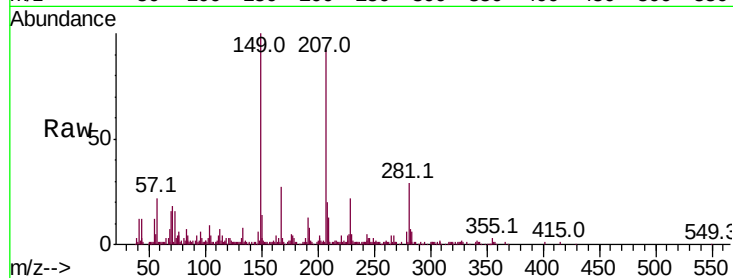
Tot Ion:149 Resp: 52014

Ion Ratio Lower Upper

149 100

167 27.4 21.6 32.4

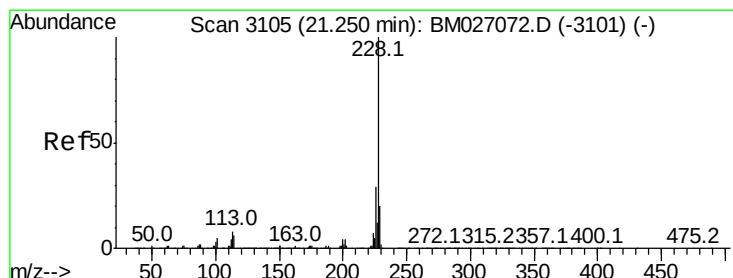
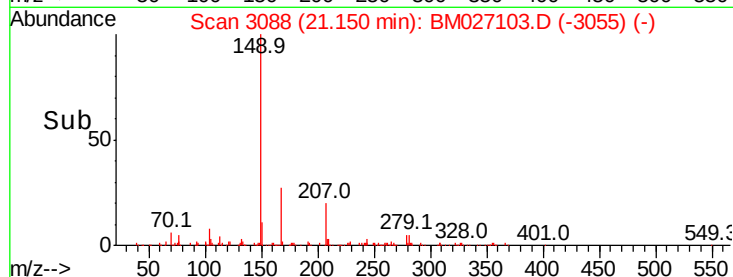
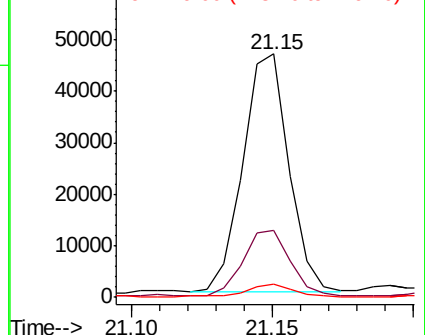
279 5.6 3.9 5.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 8.569 ng/ul

RT: 21.24 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BM027103.D

Acq: 15 Aug 2020 01:09

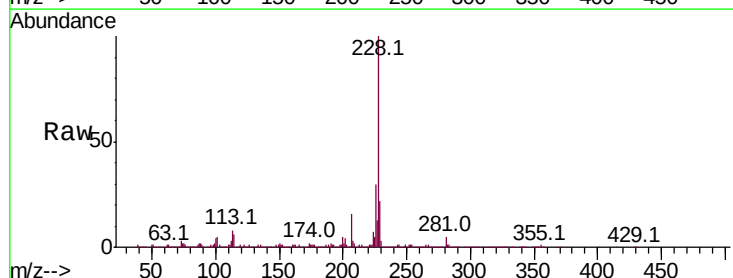
Tgt Ion:228 Resp: 416003

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.6

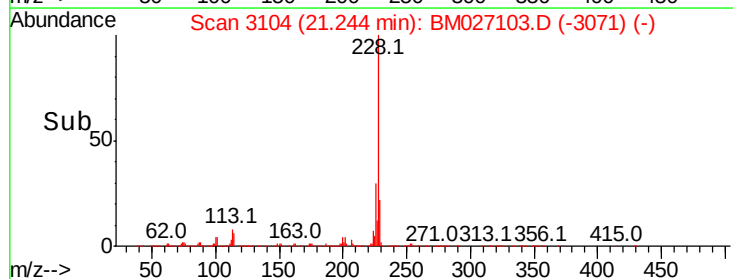
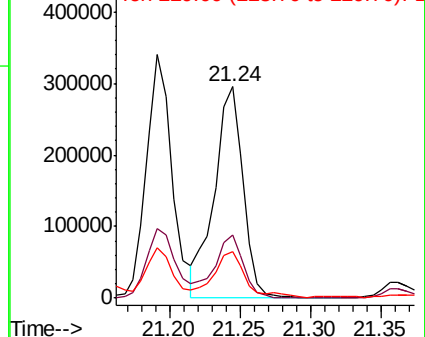
229 21.9 15.8 23.8

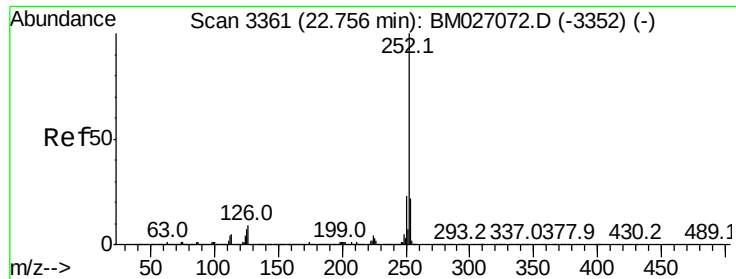


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 11.047 ng/ul

RT: 22.75 min Scan# 3360

Delta R.T. -0.01 min

Lab File: BM027103.D

Acq: 15 Aug 2020 01:09

Instrument :

BNA_M

ClientSampleId :

BFML9

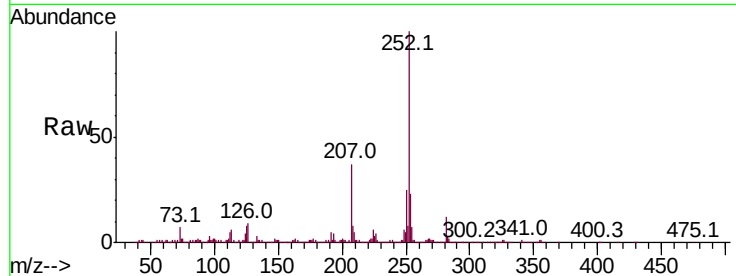
Tot Ion:252 Resp: 579251

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

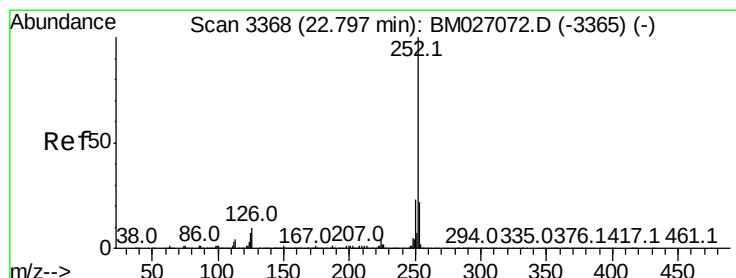
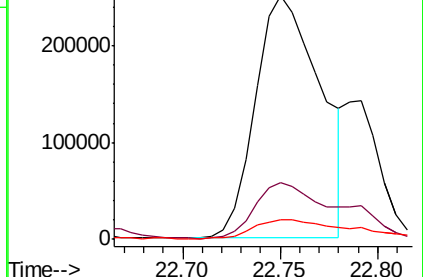
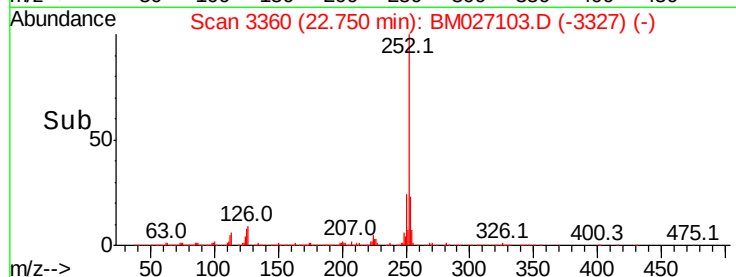
125 7.9 6.0 9.0



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: 11.146 ng/ul

RT: 22.75 min Scan# 3360

Delta R.T. -0.05 min

Lab File: BM027103.D

Acq: 15 Aug 2020 01:09

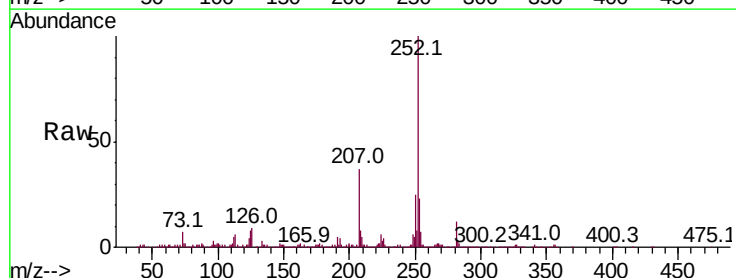
Tgt Ion:252 Resp: 579251

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

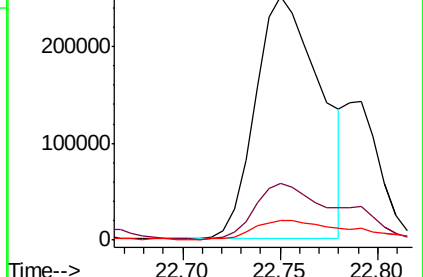
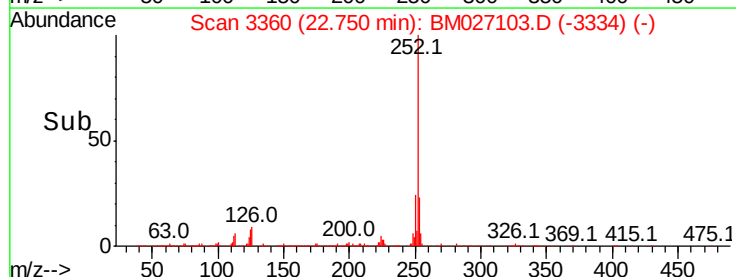
125 7.9 5.5 8.3

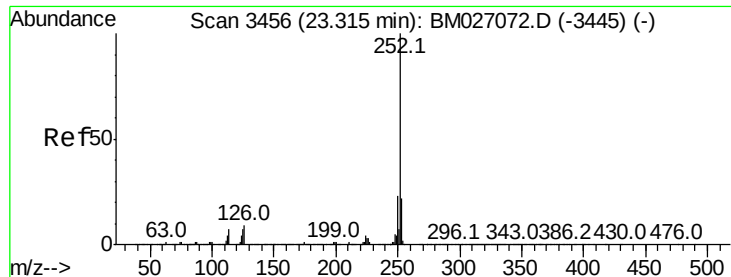


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 8.447 ng/ul

RT: 23.31 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BM027103.D

Acq: 15 Aug 2020 01:09

Instrument :

BNA_M

ClientSampleId :

BFML9

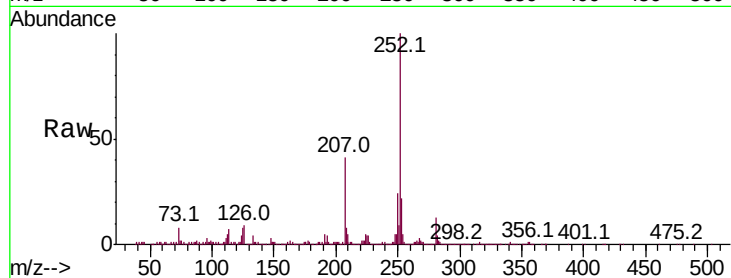
Tot Ion:252 Resp: 403104

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.4

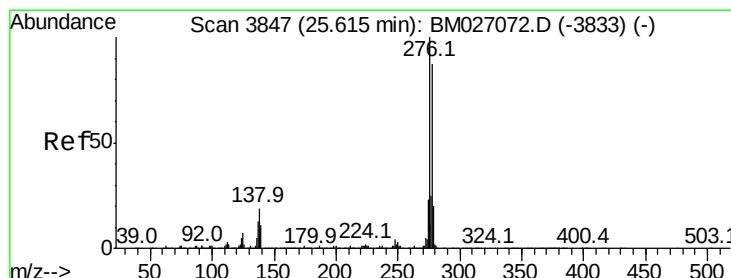
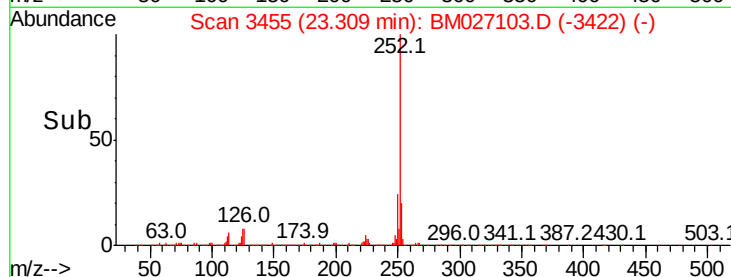
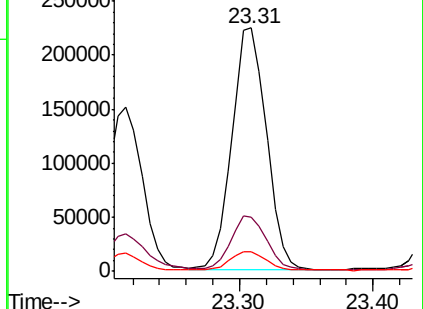
125 8.3 5.8 8.8



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: 4.901 ng/ul

RT: 25.59 min Scan# 3843

Delta R.T. -0.01 min

Lab File: BM027103.D

Acq: 15 Aug 2020 01:09

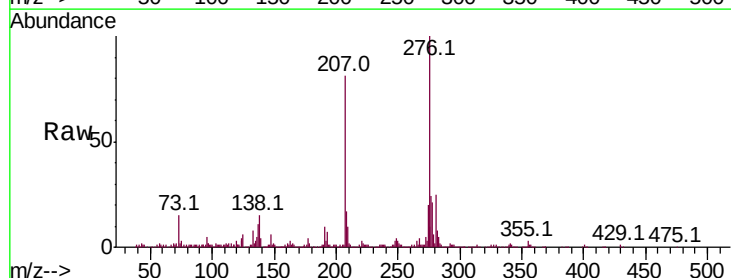
Tgt Ion:276 Resp: 301382

Ion Ratio Lower Upper

276 100

138 14.6 13.9 20.9

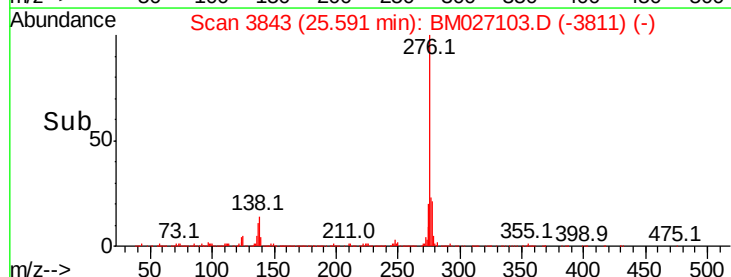
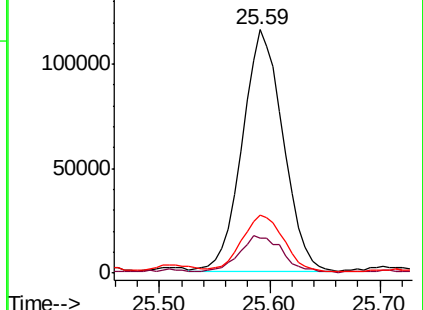
277 23.8 19.8 29.8

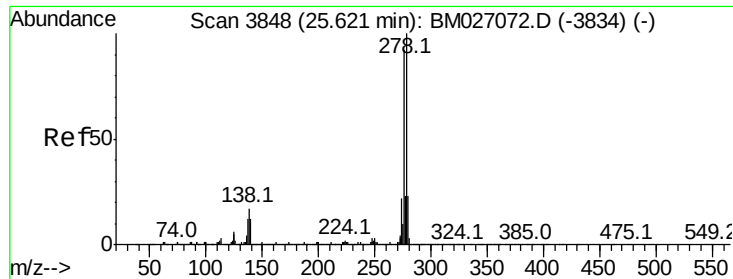


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 1.505 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. -0.02 min

Lab File: BM027103.D

Acq: 15 Aug 2020 01:09

Instrument :

BNA_M

ClientSampleId :

BFML9

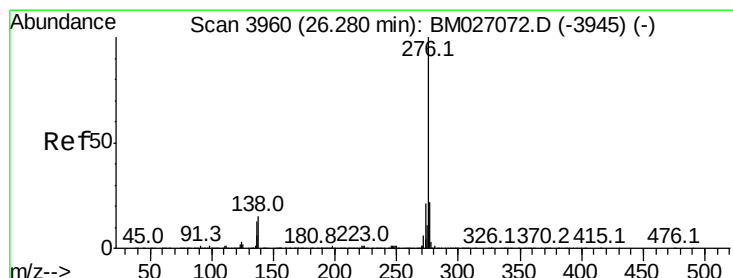
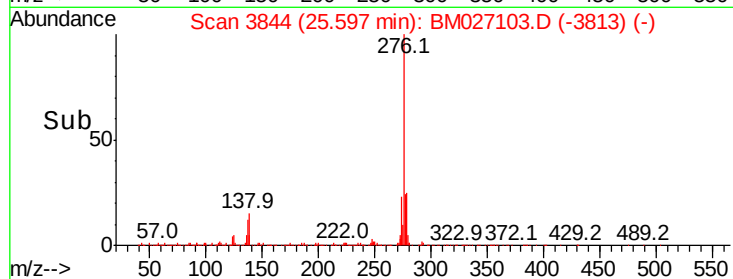
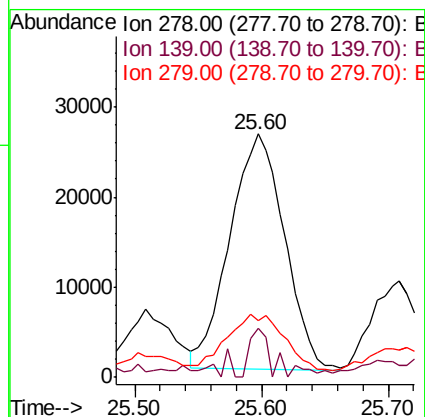
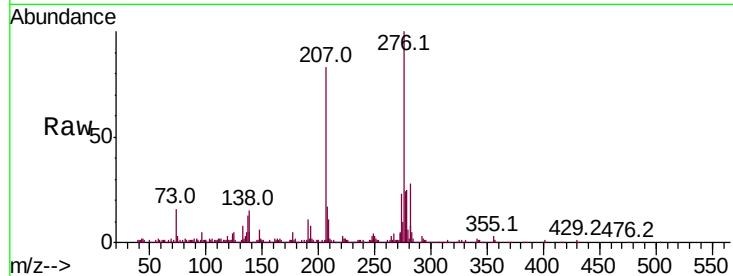
Tot Ion:278 Resp: 78370

Ion Ratio Lower Upper

278 100

139 20.0 9.4 14.0#

279 23.4 18.7 28.1



#94

Benzo(g,h,i)perylene

Concen: 5.428 ng/ul

RT: 26.26 min Scan# 3957

Delta R.T. -0.01 min

Lab File: BM027103.D

Acq: 15 Aug 2020 01:09

Tgt Ion:276 Resp: 275669

Ion Ratio Lower Upper

276 100

138 15.3 12.3 18.5

277 24.5 19.0 28.6

