

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112320\
 Data File : BM027928.D
 Acq On : 24 Nov 2020 00:03
 Operator : JU/CG
 Sample : L4711-06DL 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0BF3DL

Quant Time: Nov 24 00:46:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 24 00:42:23 2020
 Response via : Initial Calibration

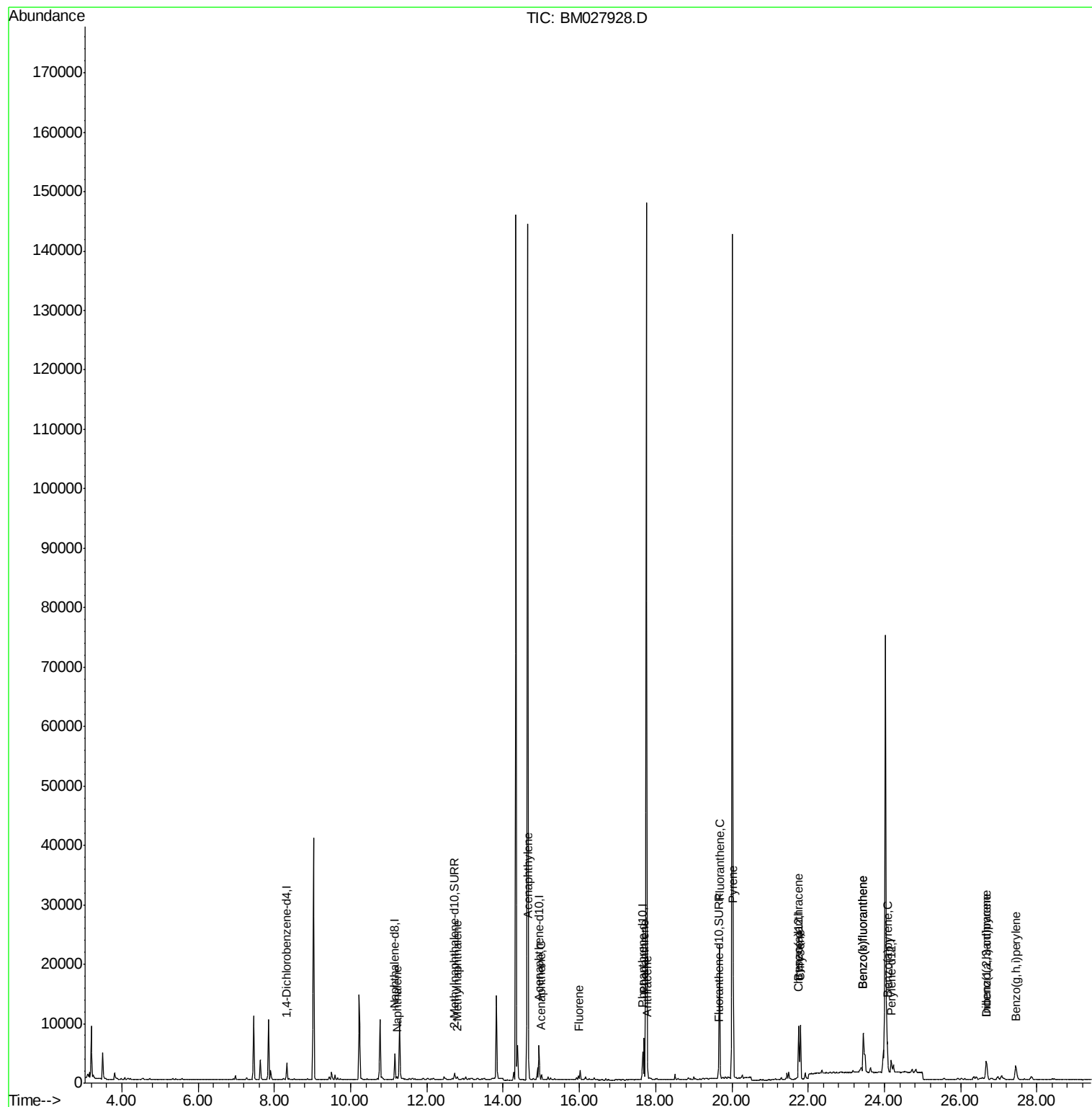
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	1414	0.40	ng/ul	0.00
2) Naphthalene-d8	11.16	136	5555	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	3165	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	5364	0.40	ng/ul	0.00
16) Chrysene-d12	21.76	240	3027	0.40	ng/ul	0.00
20) Perylene-d12	24.18	264	2737	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.73	152	1160	0.12	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	1695	0.12	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.21	128	526	0.032	ng/ul#	70
5) 2-Methylnaphthalene	12.80	142	319	0.028	ng/ul	100
7) Acenaphthylene	14.67	152	348	0.023	ng/ul#	59
8) Acenaphthene	15.01	153	455	0.039	ng/ul	96
9) Fluorene	15.98	166	358	0.027	ng/ul#	95
12) Phenanthrene	17.70	178	7264	0.429	ng/ul	99
13) Anthracene	17.79	178	1397	0.085	ng/ul#	90
15) Fluoranthene	19.68	202	18688	0.995	ng/ul	98
17) Pyrene	20.03	202	15547	1.011	ng/ul	96
18) Benzo(a)anthracene	21.74	228	7323	0.600	ng/ul	98
19) Chrysene	21.80	228	8945	0.752	ng/ul	98
21) Benzo(b)fluoranthene	23.44	252	15038	1.307	ng/ul	91
22) Benzo(k)fluoranthene	23.44	252	15038	1.335	ng/ul#	92
23) Benzo(a)pyrene	24.08	252	7231	0.719	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	26.67	276	5380	0.494	ng/ul#	99
25) Dibenzo(a,h)anthracene	26.68	278	1357	0.150	ng/ul#	50
26) Benzo(a,h,i)perylene	27.45	276	5229	0.572	ng/ul	100

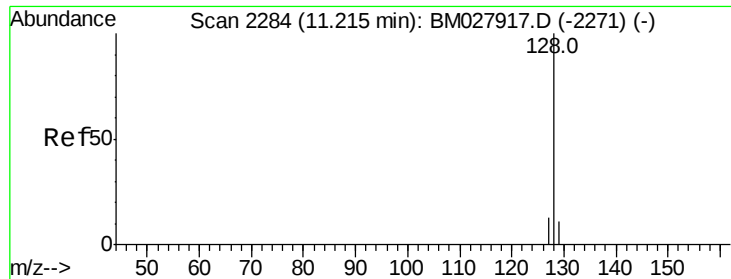
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Naphthalene

Concen: 0.032 ng/ul

RT: 11.21 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BM027928.D

Acq: 24 Nov 2020 00:03

Instrument :

BNA_M

ClientSampleId :

C0BF3DL

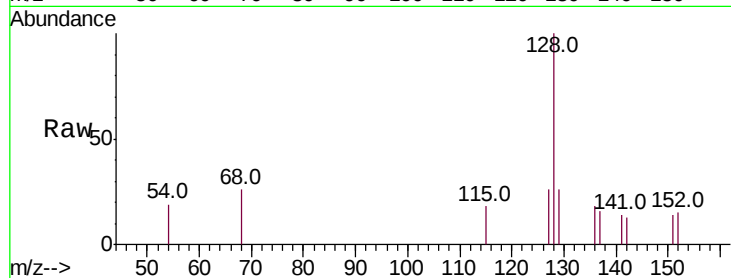
Tot Ion:128 Resp: 526

Ion Ratio Lower Upper

128 100

129 25.8 10.4 15.6#

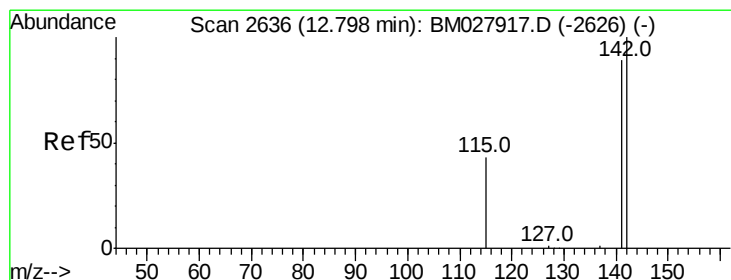
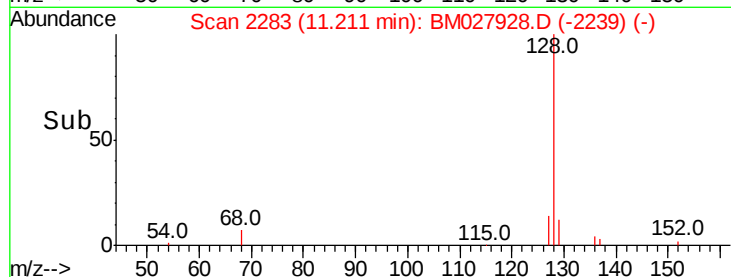
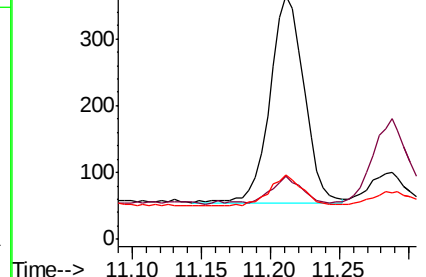
127 26.4 12.0 18.0#



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



#5

2-Methylnaphthalene

Concen: 0.028 ng/ul

RT: 12.80 min Scan# 2636

Delta R.T. 0.00 min

Lab File: BM027928.D

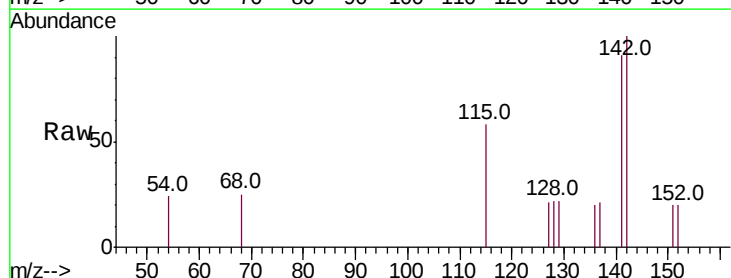
Acq: 24 Nov 2020 00:03

Tgt Ion:142 Resp: 319

Ion Ratio Lower Upper

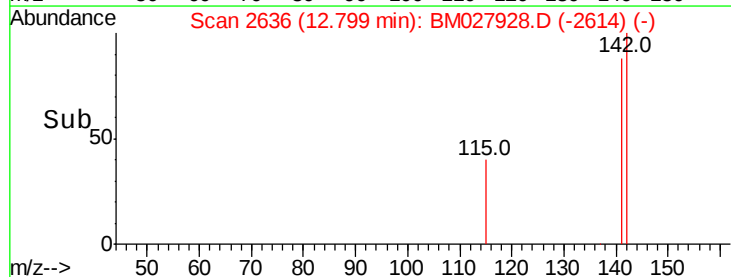
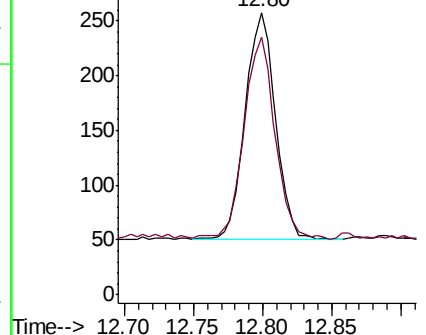
142 100

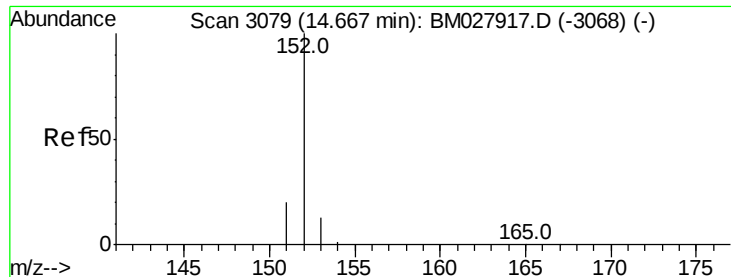
141 89.7 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.023 ng/ul

RT: 14.67 min Scan# 3079

Delta R.T. -0.00 min

Lab File: BM027928.D

Acq: 24 Nov 2020 00:03

Instrument :

BNA_M

ClientSampleId :

C0BF3DL

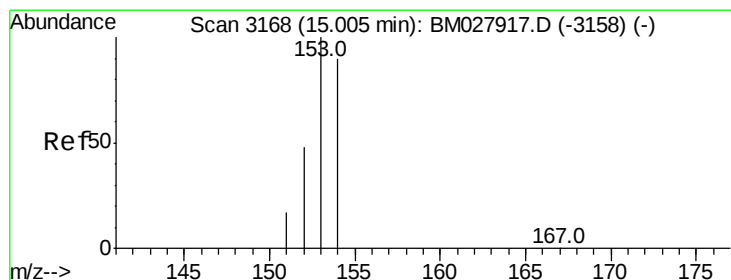
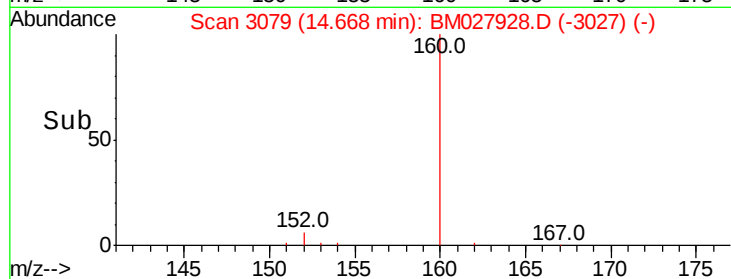
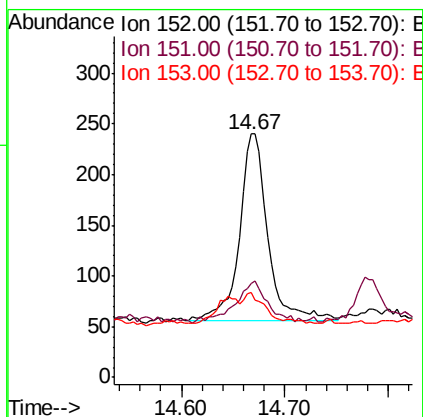
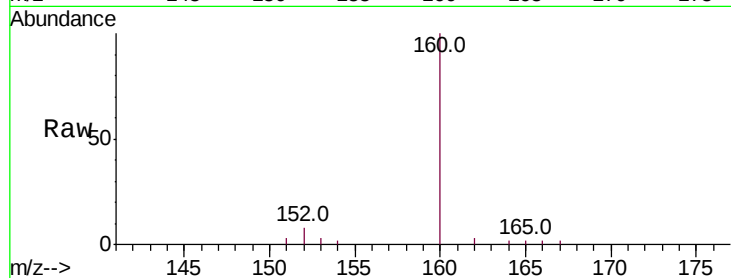
Tot Ion:152 Resp: 348

Ion Ratio Lower Upper

152 100

151 38.8 17.1 25.7#

153 35.0 12.0 18.0#



#8

Acenaphthene

Concen: 0.039 ng/ul

RT: 15.01 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BM027928.D

Acq: 24 Nov 2020 00:03

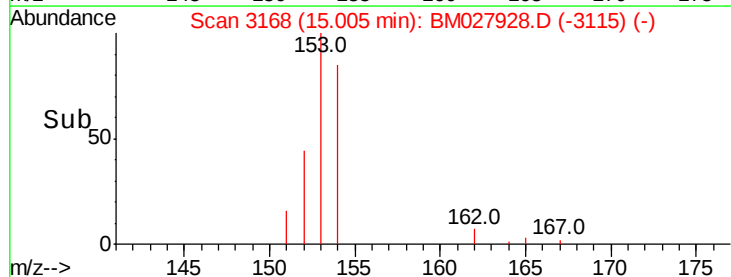
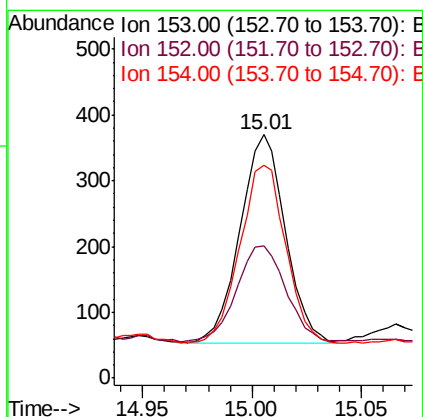
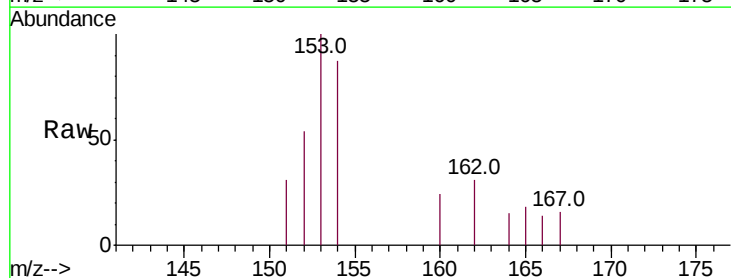
Tgt Ion:153 Resp: 455

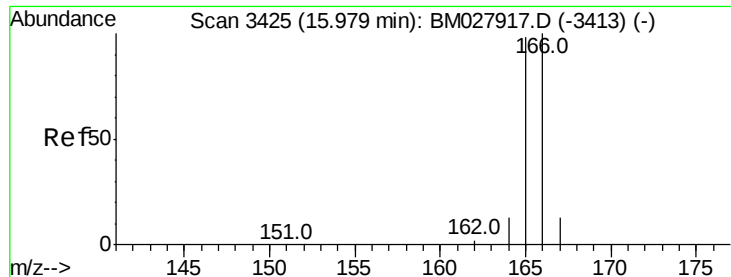
Ion Ratio Lower Upper

153 100

152 54.3 39.0 58.6

154 87.3 71.6 107.4





#9

Fluorene

Concen: 0.027 ng/ul

RT: 15.98 min Scan# 3424

Delta R.T. -0.00 min

Lab File: BM027928.D

Acq: 24 Nov 2020 00:03

Instrument :

BNA_M

ClientSampleId :

C0BF3DL

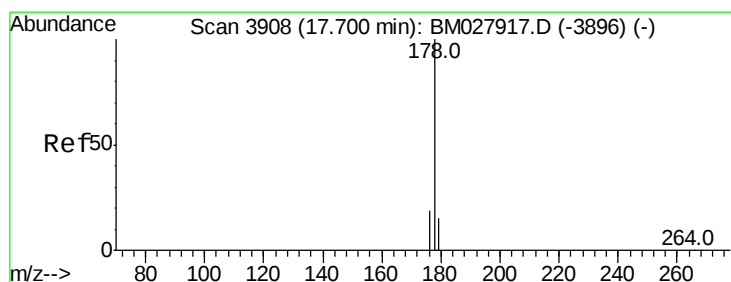
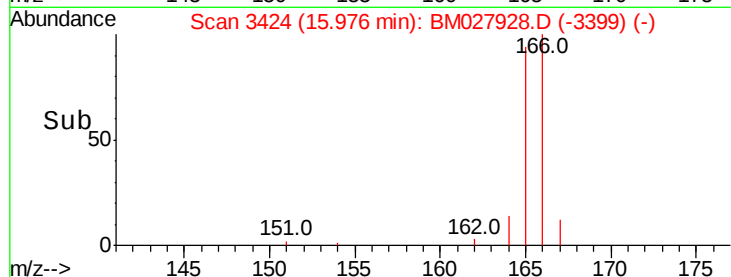
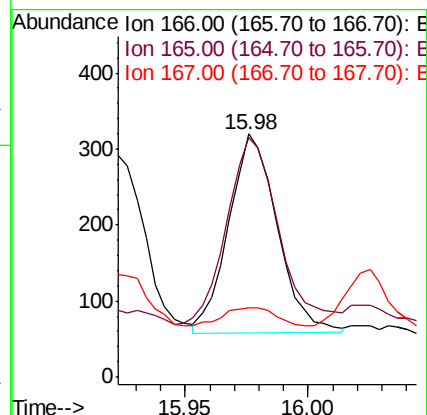
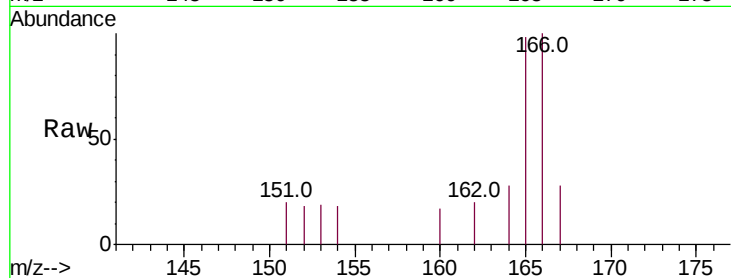
Tot Ion:166 Resp: 358

Ion Ratio Lower Upper

166 100

165 98.4 78.1 117.1

167 28.4 11.8 17.8#



#12

Phenanthrene

Concen: 0.429 ng/ul

RT: 17.70 min Scan# 3908

Delta R.T. 0.00 min

Lab File: BM027928.D

Acq: 24 Nov 2020 00:03

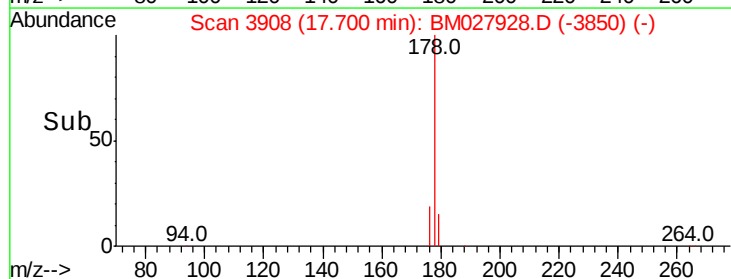
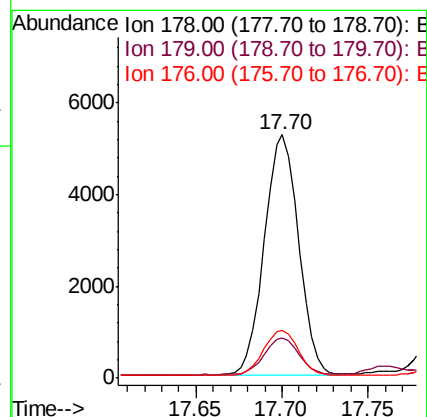
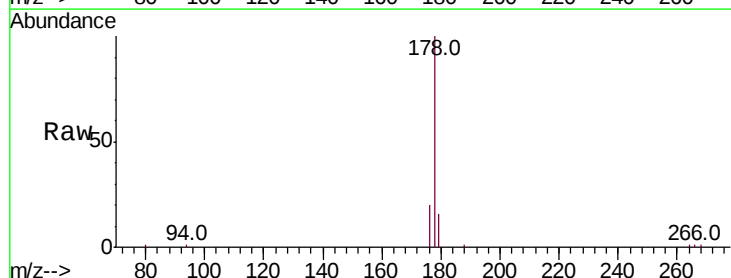
Tgt Ion:178 Resp: 7264

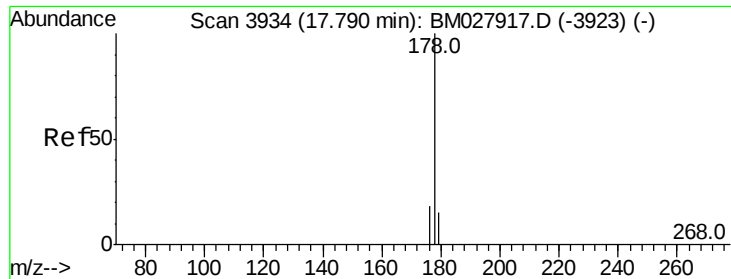
Ion Ratio Lower Upper

178 100

179 16.4 13.6 20.4

176 19.8 16.1 24.1





#13

Anthracene

Concen: 0.085 ng/ul

RT: 17.79 min Scan# 3934

Delta R.T. 0.00 min

Lab File: BM027928.D

Acq: 24 Nov 2020 00:03

Instrument :

BNA_M

ClientSampleId :

C0BF3DL

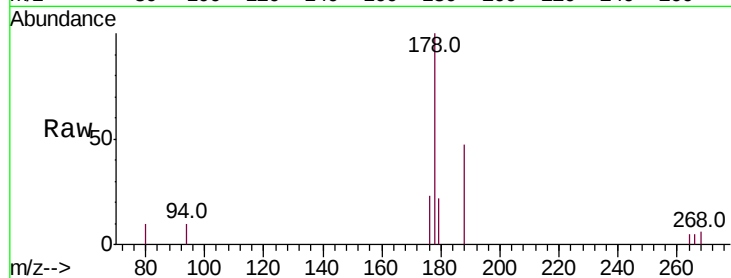
Tot Ion:178 Resp: 1397

Ion Ratio Lower Upper

178 100

179 21.6 13.4 20.2#

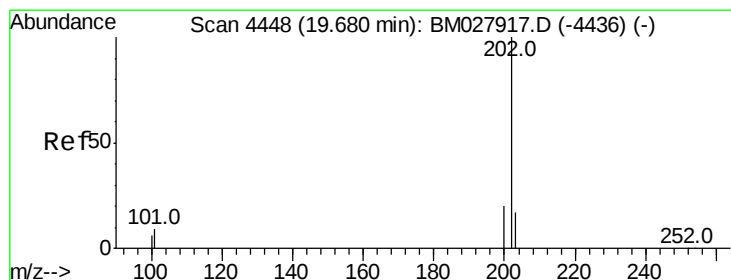
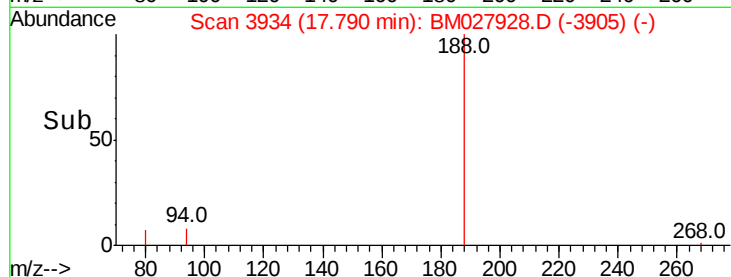
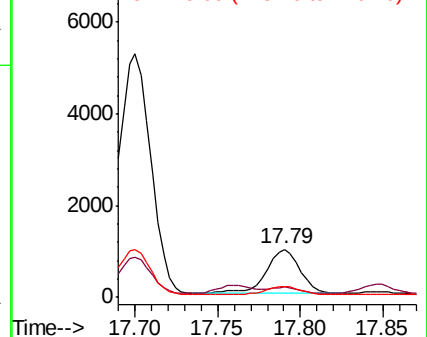
176 22.7 15.0 22.6#



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



#15

Fluoranthene

Concen: 0.995 ng/ul

RT: 19.68 min Scan# 4447

Delta R.T. -0.00 min

Lab File: BM027928.D

Acq: 24 Nov 2020 00:03

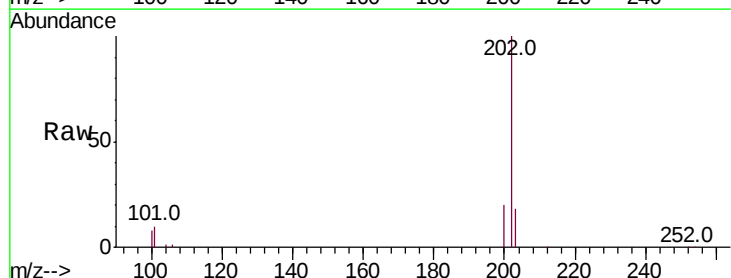
Tgt Ion:202 Resp: 18688

Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.3

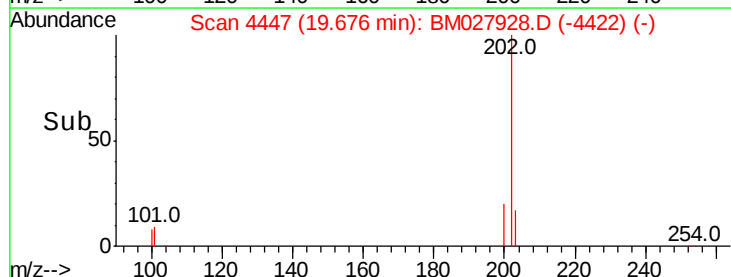
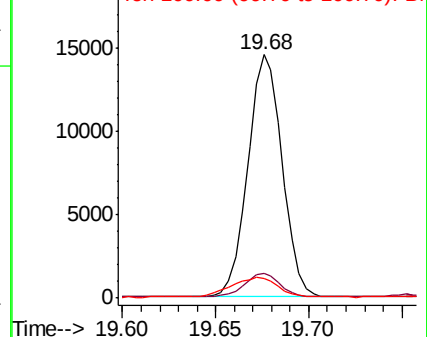
100 8.2 0.0 27.4

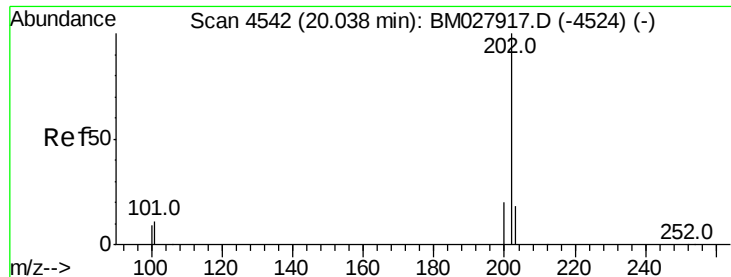


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 1.011 ng/ul

RT: 20.03 min Scan# 4541

Delta R.T. -0.00 min

Lab File: BM027928.D

Acq: 24 Nov 2020 00:03

Instrument :

BNA_M

ClientSampleId :

C0BF3DL

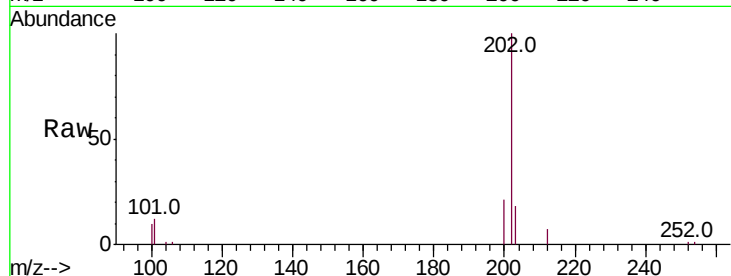
Tot Ion:202 Resp: 15547

Ion Ratio Lower Upper

202 100

101 11.7 8.2 12.2

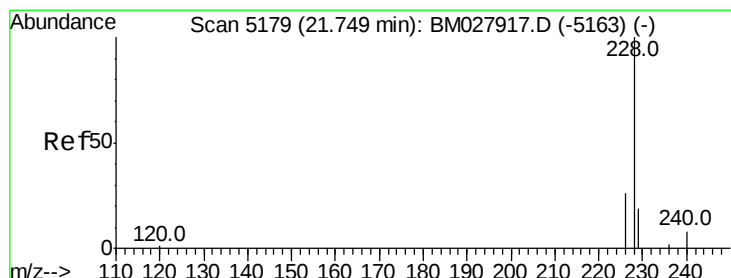
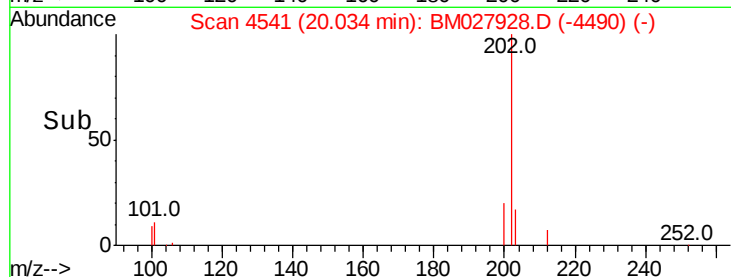
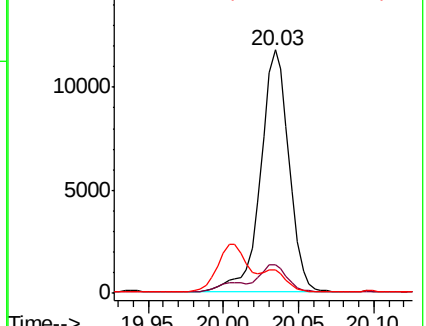
100 9.9 6.9 10.3



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



#18

Benzo(a)anthracene

Concen: 0.600 ng/ul

RT: 21.74 min Scan# 5177

Delta R.T. -0.00 min

Lab File: BM027928.D

Acq: 24 Nov 2020 00:03

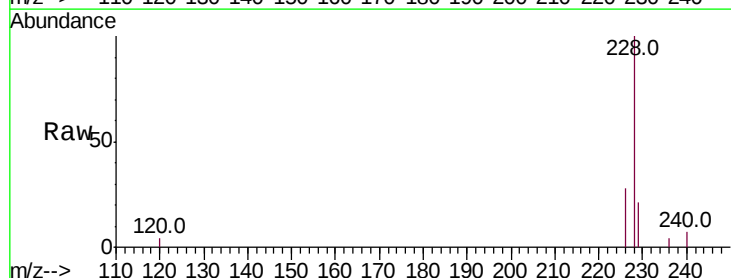
Tgt Ion:228 Resp: 7323

Ion Ratio Lower Upper

228 100

229 21.4 16.2 24.4

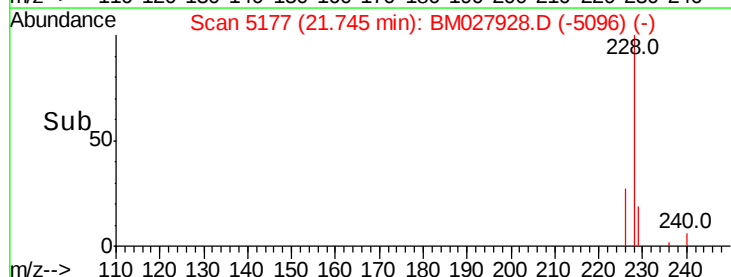
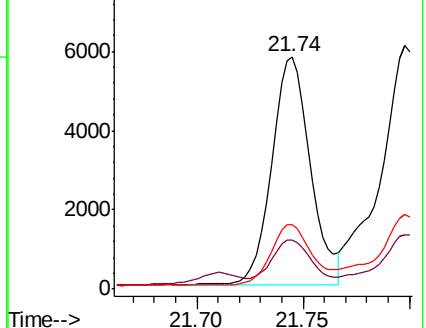
226 27.9 21.5 32.3

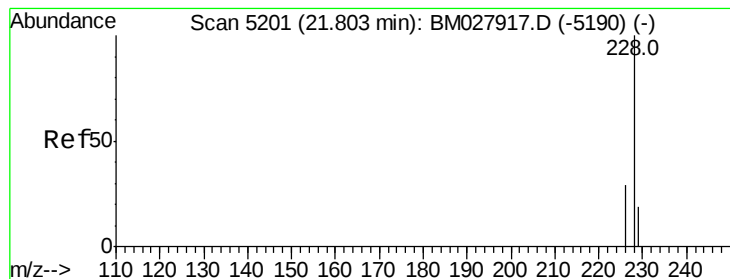


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.752 ng/ul

RT: 21.80 min Scan# 5199

Delta R.T. -0.00 min

Lab File: BM027928.D

Acq: 24 Nov 2020 00:03

Instrument :

BNA_M

ClientSampleId :

C0BF3DL

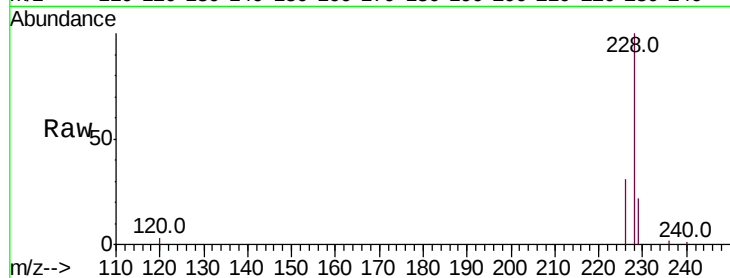
Tot Ion:228 Resp: 8945

Ion Ratio Lower Upper

228 100

226 30.9 24.1 36.1

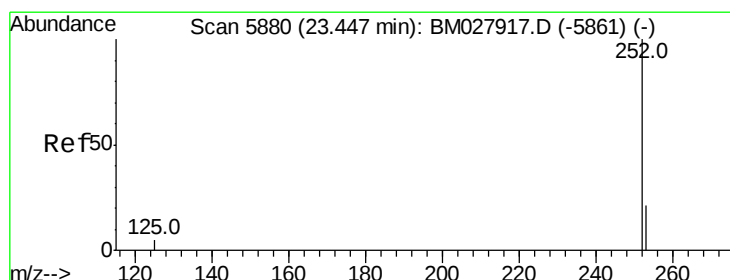
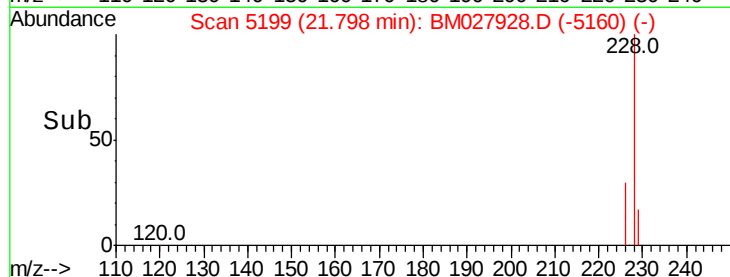
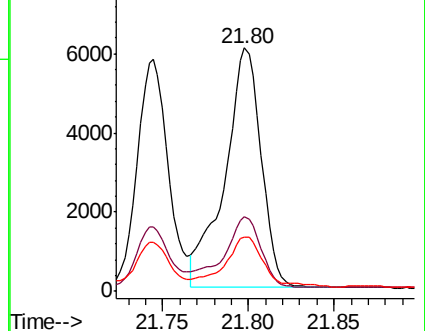
229 22.3 16.6 24.8



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



#21

Benzo(b)fluoranthene

Concen: 1.307 ng/ul

RT: 23.44 min Scan# 5878

Delta R.T. -0.00 min

Lab File: BM027928.D

Acq: 24 Nov 2020 00:03

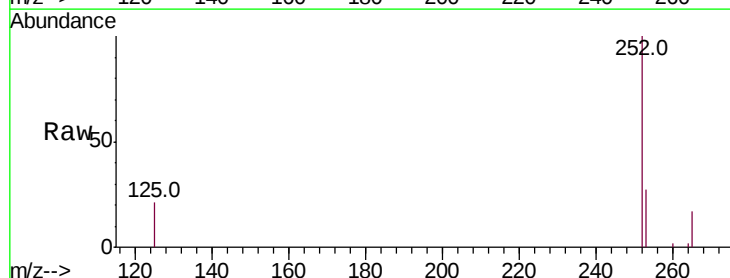
Tgt Ion:252 Resp: 15038

Ion Ratio Lower Upper

252 100

253 26.7 0.0 59.6

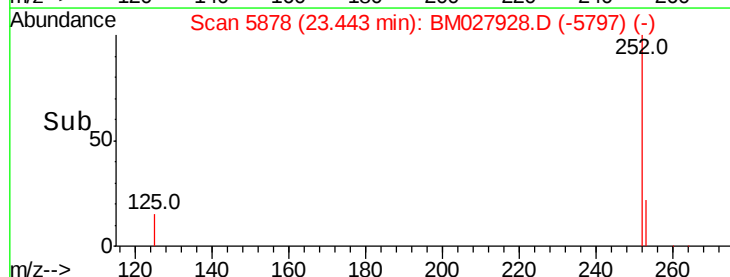
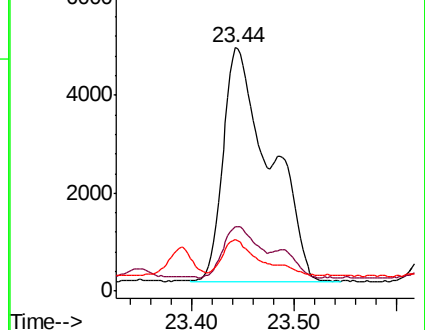
125 21.0 0.0 28.4

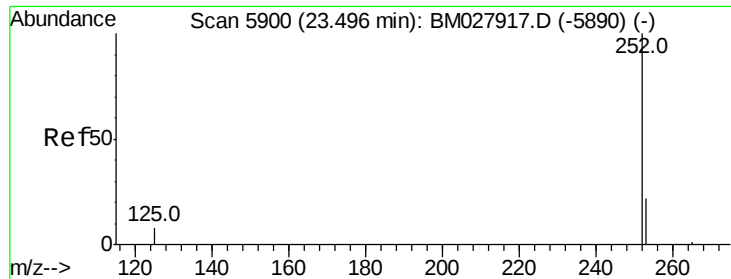


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.335 ng/ul

RT: 23.44 min Scan# 5878

Delta R.T. -0.05 min

Lab File: BM027928.D

Acq: 24 Nov 2020 00:03

Instrument :

BNA_M

ClientSampleId :

C0BF3DL

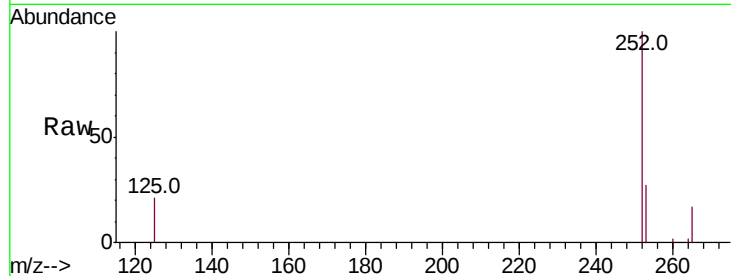
Tot Ion:252 Resp: 15038

Ion Ratio Lower Upper

252 100

253 26.7 23.2 34.8

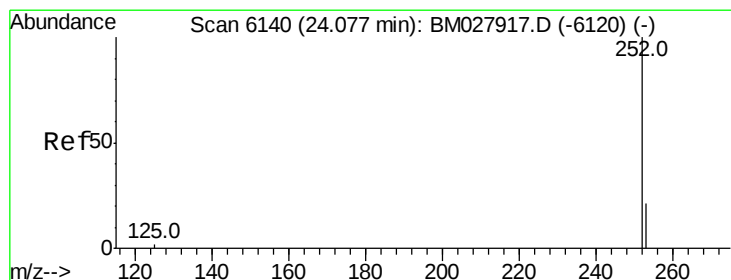
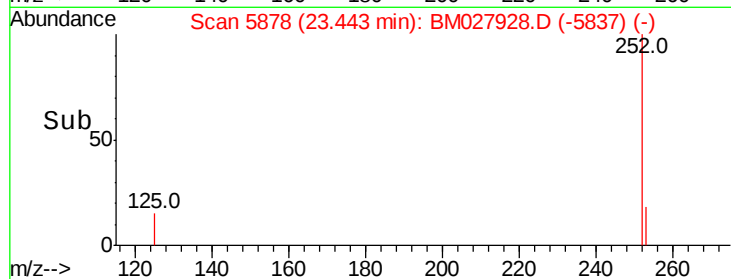
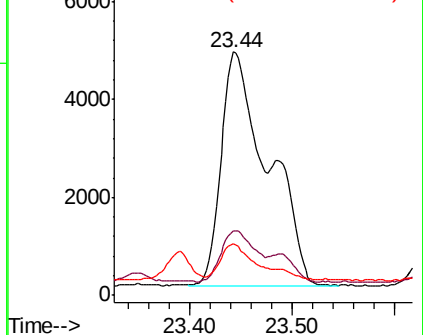
125 21.0 11.8 17.6#



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



#23

Benzo(a)pyrene

Concen: 0.719 ng/ul

RT: 24.08 min Scan# 6139

Delta R.T. 0.00 min

Lab File: BM027928.D

Acq: 24 Nov 2020 00:03

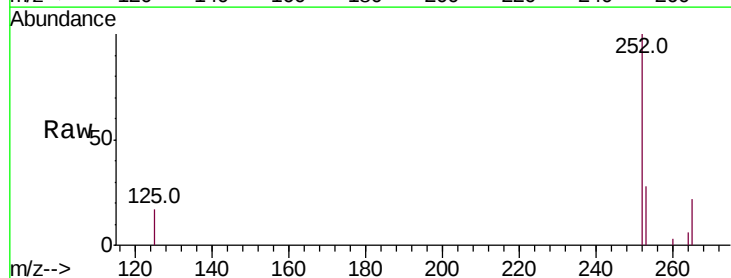
Tgt Ion:252 Resp: 7231

Ion Ratio Lower Upper

252 100

253 27.5 25.2 37.8

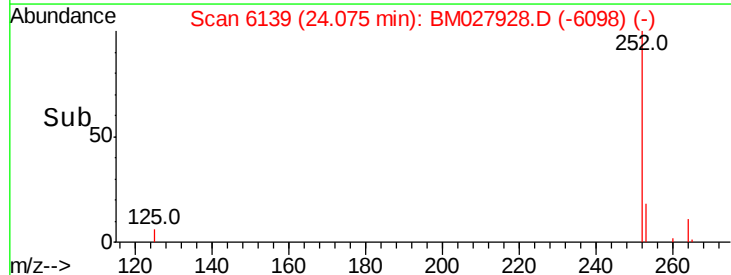
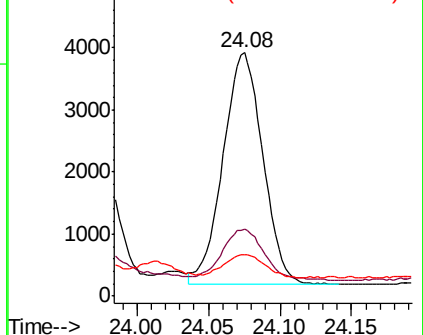
125 17.2 13.8 20.6

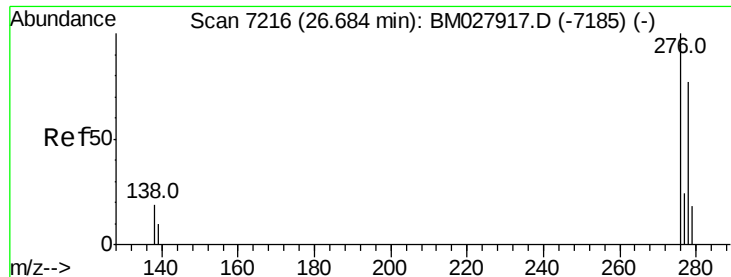


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

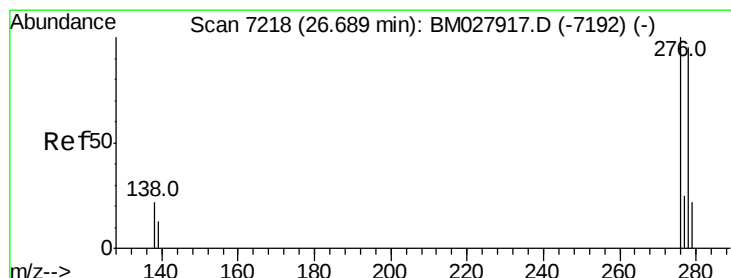
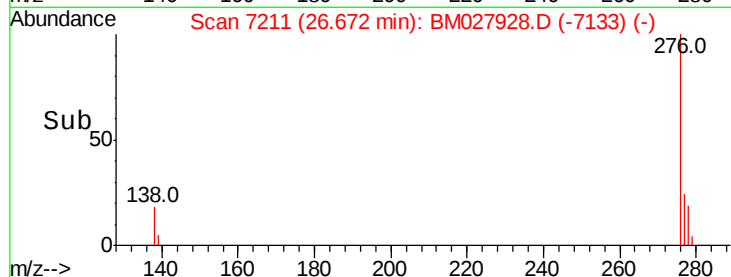
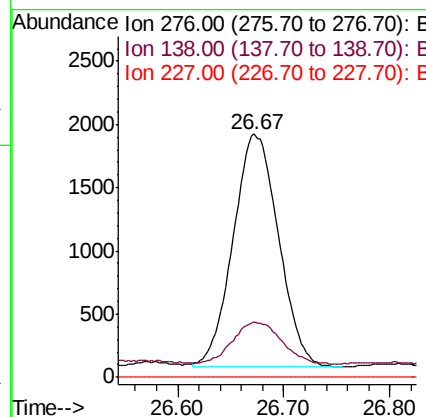
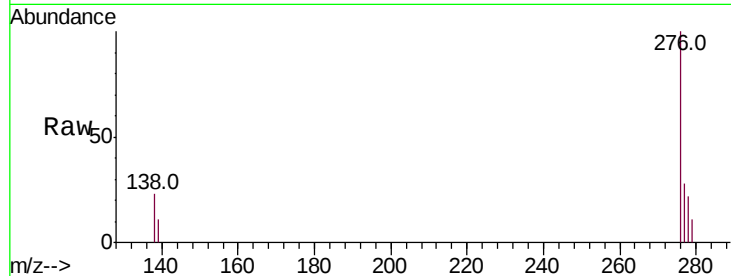




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.494 ng/ul
 RT: 26.67 min Scan# 7211
 Delta R.T. -0.01 min
 Lab File: BM027928.D
 Acq: 24 Nov 2020 00:03

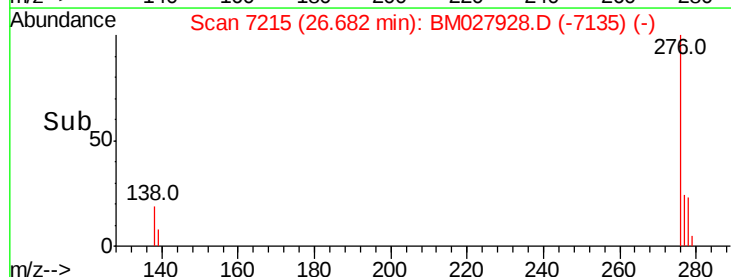
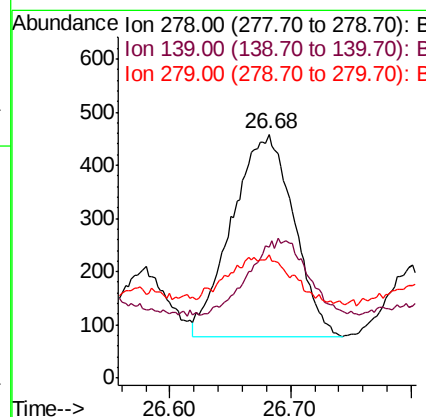
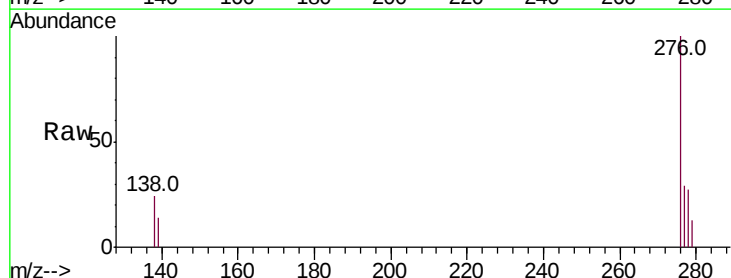
Instrument :
 BNA_M
 ClientSampleId :
 C0BF3DL

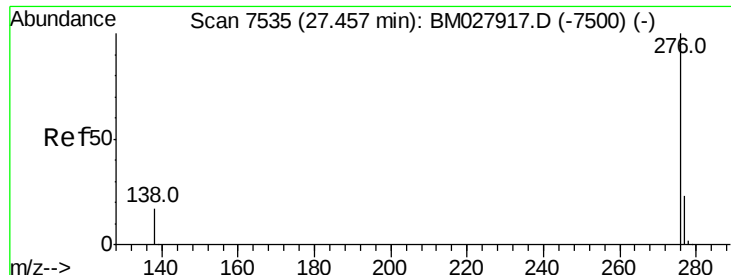
Tot Ion:276 Resp: 5380
 Ion Ratio Lower Upper
 276 100
 138 20.3 15.7 23.5
 227 0.0 0.0 0.0



#25
 Dibenzo(a,h)anthracene
 Concen: 0.150 ng/ul
 RT: 26.68 min Scan# 7215
 Delta R.T. -0.01 min
 Lab File: BM027928.D
 Acq: 24 Nov 2020 00:03

Tgt Ion:278 Resp: 1357
 Ion Ratio Lower Upper
 278 100
 139 53.9 14.8 22.2#
 279 50.4 25.8 38.6#





#26

Benzo(a,h,i)perylene

Concen: 0.572 ng/ul

RT: 27.45 min Scan# 7530

Delta R.T. -0.01 min

Lab File: BM027928.D

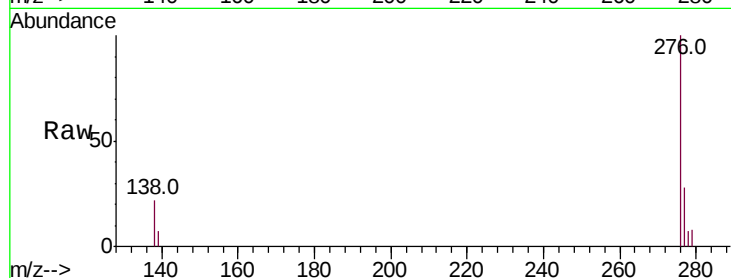
Acq: 24 Nov 2020 00:03

Instrument :

BNA_M

ClientSampleId :

C0BF3DL



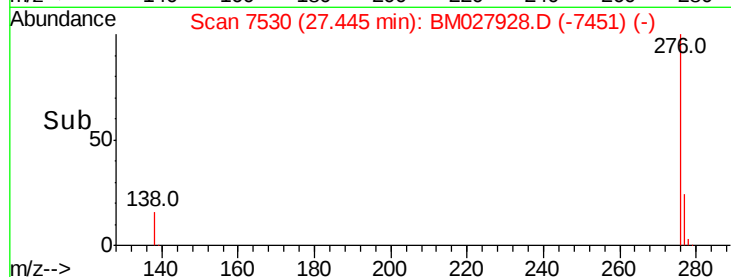
Tot Ion:276 Resp: 5229

Ion Ratio Lower Upper

276 100

138 21.7 17.4 26.2

277 28.0 22.5 33.7



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

