

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM022017.D
 Acq On : 11 Aug 2019 04:46
 Operator : HP/JU
 Sample : K4028-09DL 5X
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 12 01:30:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration

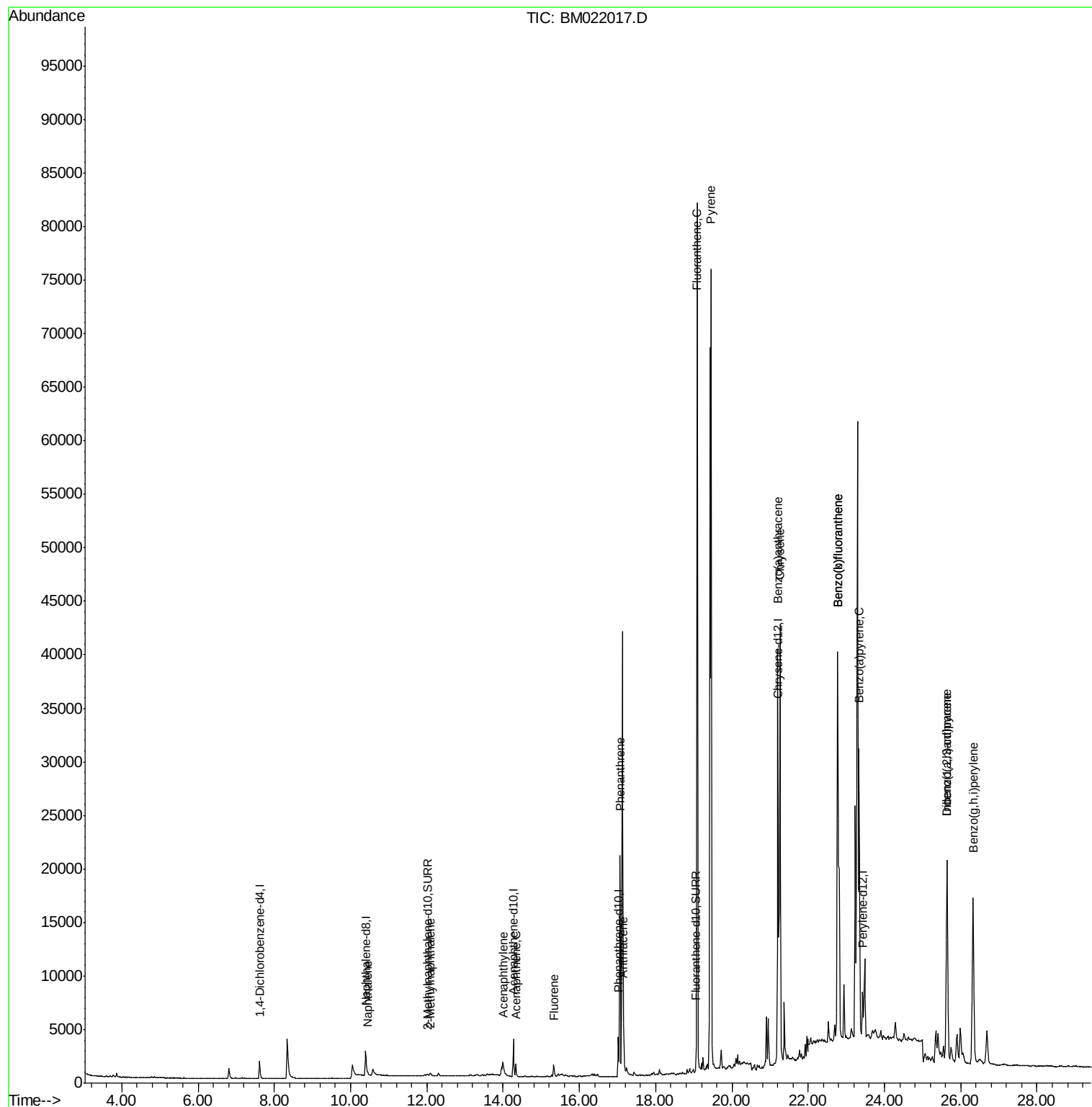
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	913	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.40	136	3757	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.27	164	2070	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.02	188	4628	0.40	ng/ul	-0.02
16) Chrysene-d12	21.22	240	4612	0.40	ng/ul	-0.02
20) Perylene-d12	23.43	264	5878	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	289	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	781	0.05	ng/ul	-0.02
Target Compounds					Ovalue	
3) Naphthalene	10.45	128	437	0.041	ng/ul#	64
5) 2-Methylnaphthalene	12.09	142	188	0.027	ng/ul	85
7) Acenaphthylene	13.99	152	1653	0.171	ng/ul#	82
8) Acenaphthene	14.33	153	723	0.092	ng/ul	95
9) Fluorene	15.33	166	899	0.102	ng/ul#	98
12) Phenanthrene	17.06	178	21943	1.630	ng/ul	97
13) Anthracene	17.16	178	3930	0.342	ng/ul	99
15) Fluoranthene	19.09	202	73040	4.049	ng/ul	96
17) Pyrene	19.45	202	65094	3.435	ng/ul	99
18) Benzo(a)anthracene	21.20	228	32322	1.959	ng/ul	98
19) Chrysene	21.26	228	40847	1.925	ng/ul	98
21) Benzo(b)fluoranthene	22.77	252	79815	4.027	ng/ul	85
22) Benzo(k)fluoranthene	22.77	252	79815	3.558	ng/ul#	85
23) Benzo(a)pyrene	23.33	252	37756	1.873	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	25.64	276	30786	1.279	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.64	278	6954	0.357	ng/ul#	88
26) Benzo(a,h,i)perylene	26.32	276	31533	1.455	ng/ul	98

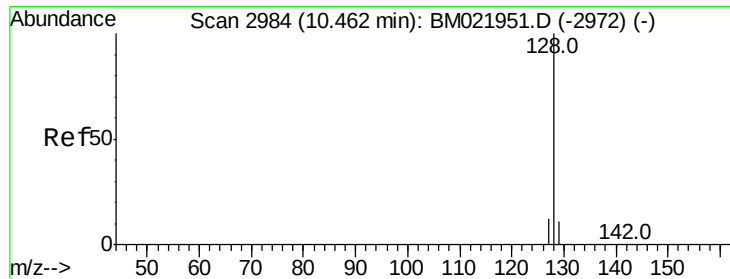
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.041 ng/ul

RT: 10.45 min Scan# 2981

Delta R.T. -0.02 min

Lab File: BM022017.D

Acq: 11 Aug 2019 04:46

Instrument :

BNA_M

ClientSampleId :

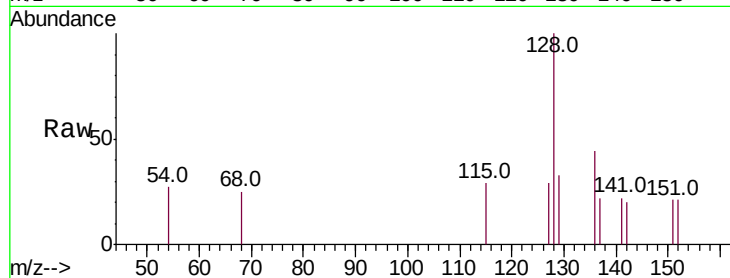
Tot Ion:128 Resp: 437

Ion Ratio Lower Upper

128 100

129 33.3 12.3 18.5#

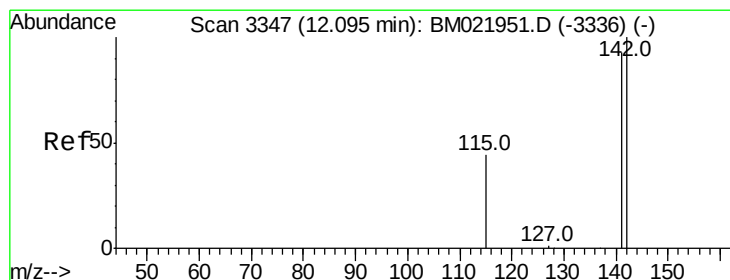
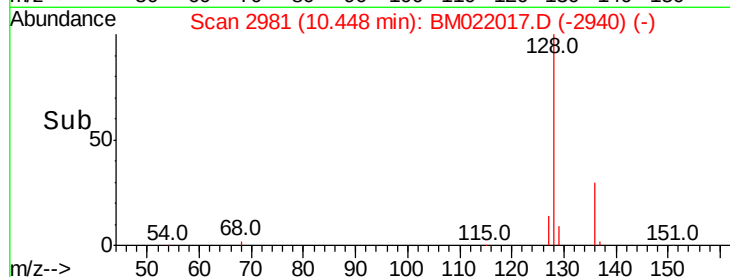
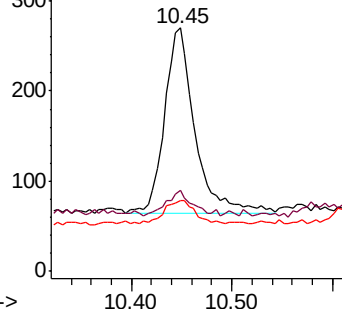
127 29.3 13.0 19.6#



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: 0.027 ng/ul

RT: 12.09 min Scan# 3346

Delta R.T. -0.01 min

Lab File: BM022017.D

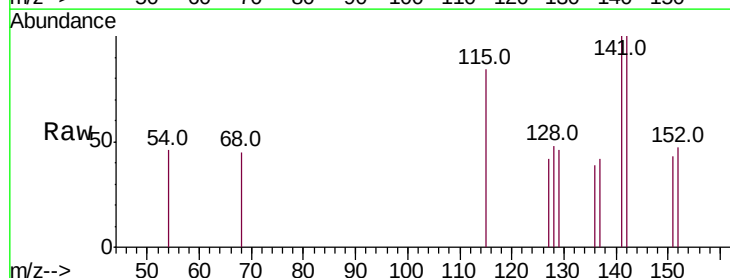
Acq: 11 Aug 2019 04:46

Tgt Ion:142 Resp: 188

Ion Ratio Lower Upper

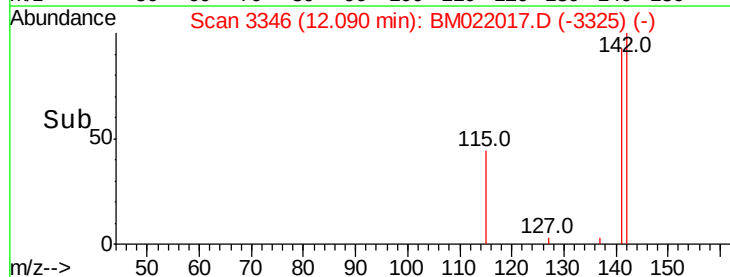
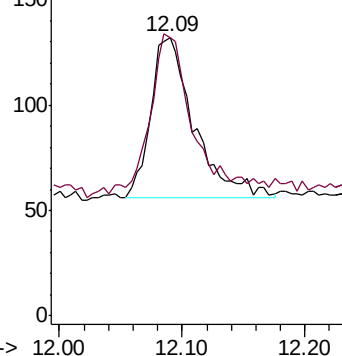
142 100

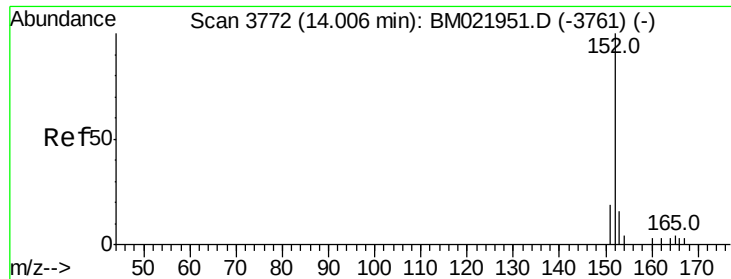
141 107.4 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.171 ng/ul

RT: 13.99 min Scan# 3769

Delta R.T. -0.02 min

Lab File: BM022017.D

Acq: 11 Aug 2019 04:46

Instrument :

BNA_M

ClientSampleId :

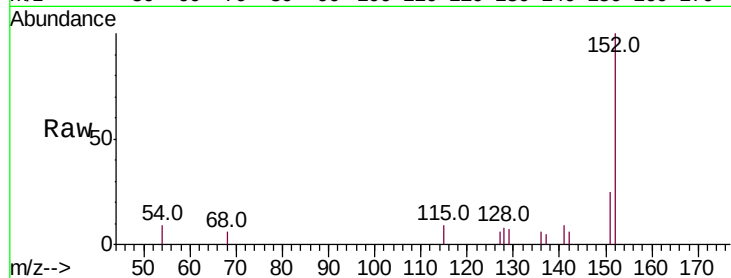
Tot Ion:152 Resp: 1653

Ion Ratio Lower Upper

152 100

151 25.0 18.3 27.5

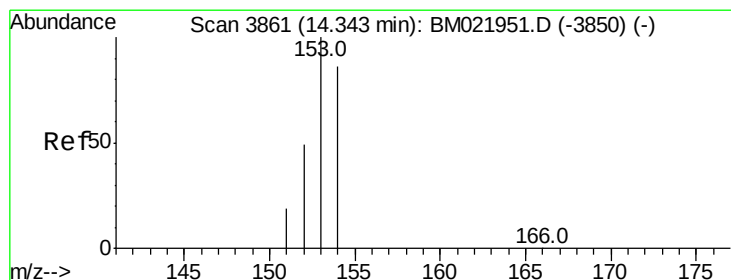
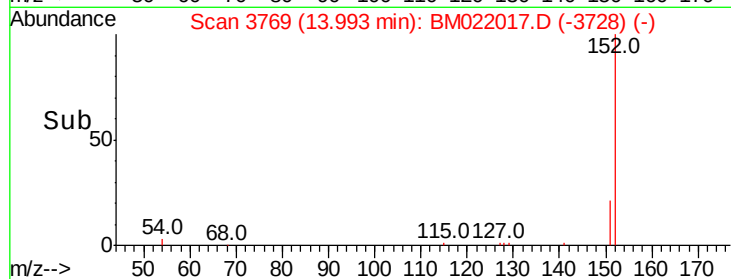
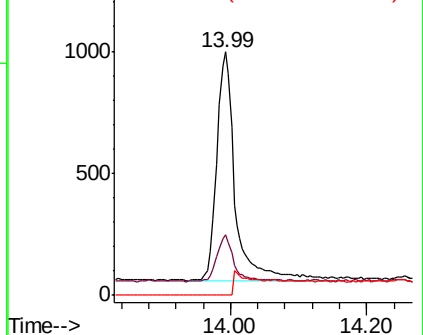
153 0.0 12.8 19.2#



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



#8

Acenaphthene

Concen: 0.092 ng/ul

RT: 14.33 min Scan# 3858

Delta R.T. -0.01 min

Lab File: BM022017.D

Acq: 11 Aug 2019 04:46

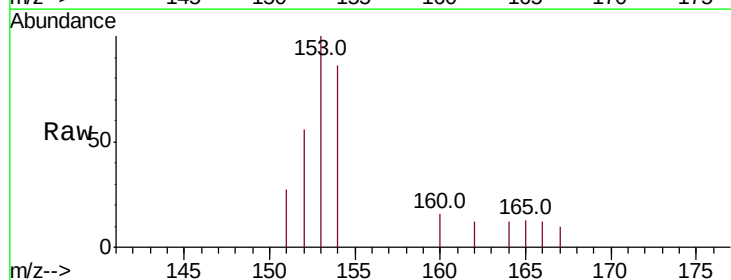
Tgt Ion:153 Resp: 723

Ion Ratio Lower Upper

153 100

152 55.9 41.3 61.9

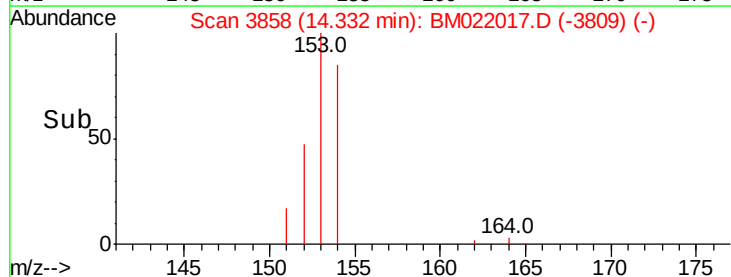
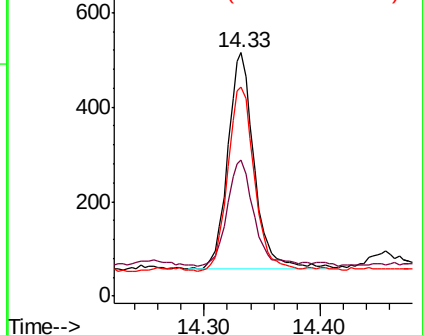
154 86.0 72.3 108.5

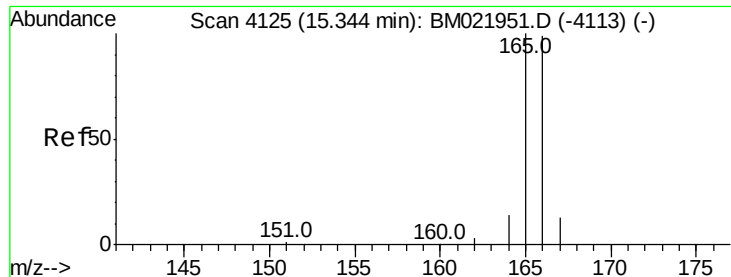


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

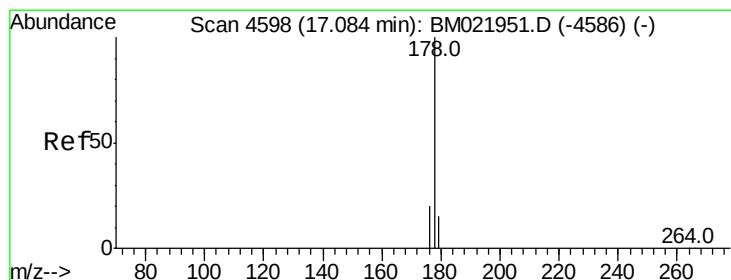
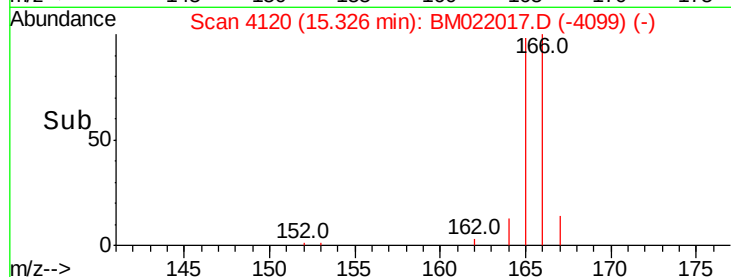
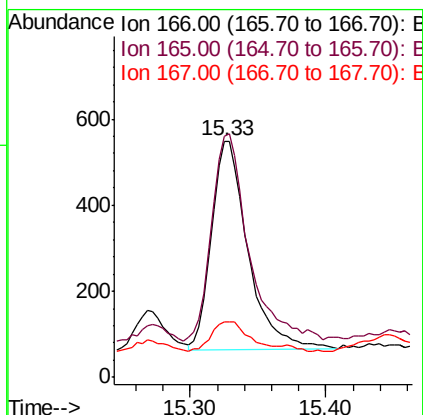
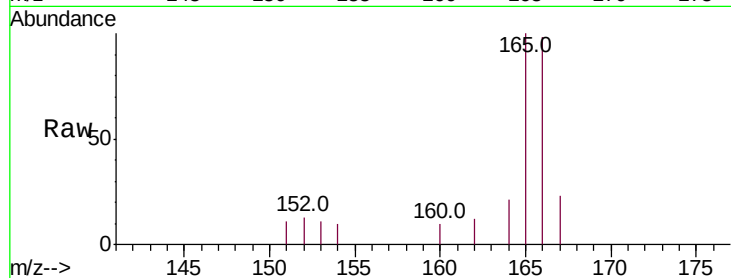




#9
Fluorene
 Concen: 0.102 ng/ul
 RT: 15.33 min Scan# 4120
 Delta R.T. -0.02 min
 Lab File: BM022017.D
 Acq: 11 Aug 2019 04:46

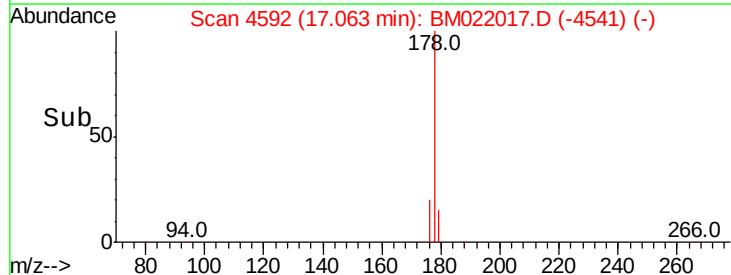
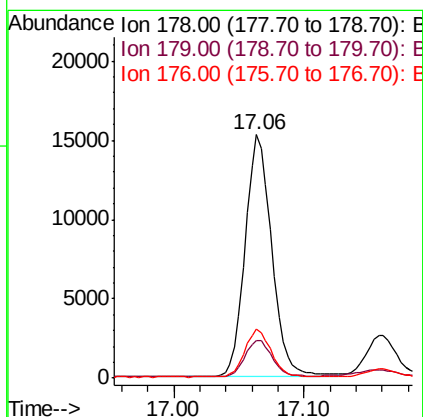
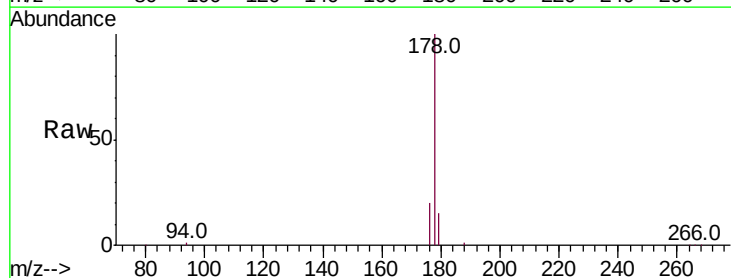
Instrument :
 BNA_M
 ClientSampleId :

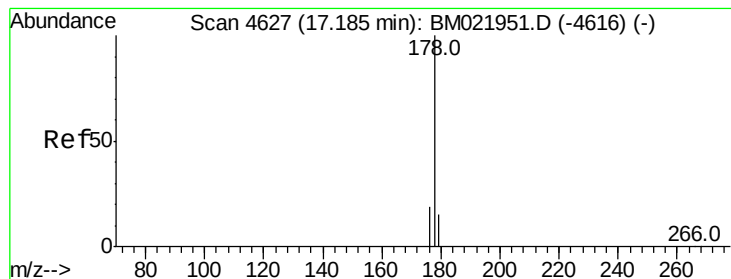
Tot Ion:166 Resp: 899
 Ion Ratio Lower Upper
 166 100
 165 102.0 81.4 122.0
 167 23.3 13.7 20.5#



#12
Phenanthrene
 Concen: 1.630 ng/ul
 RT: 17.06 min Scan# 4592
 Delta R.T. -0.02 min
 Lab File: BM022017.D
 Acq: 11 Aug 2019 04:46

Tgt Ion:178 Resp: 21943
 Ion Ratio Lower Upper
 178 100
 179 15.4 14.2 21.2
 176 20.0 16.8 25.2





#13

Anthracene

Concen: 0.342 ng/ul

RT: 17.16 min Scan# 4620

Delta R.T. -0.02 min

Lab File: BM022017.D

Acq: 11 Aug 2019 04:46

Instrument :

BNA_M

ClientSampleId :

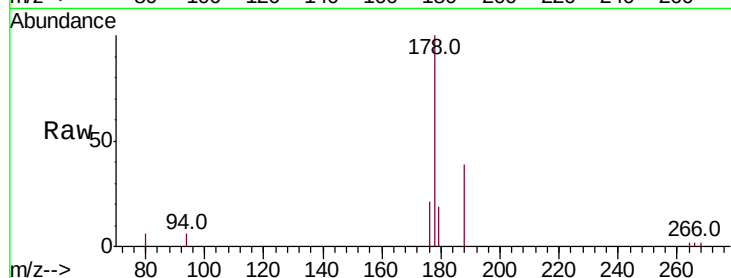
Tot Ion:178 Resp: 3930

Ion Ratio Lower Upper

178 100

179 19.0 15.5 23.3

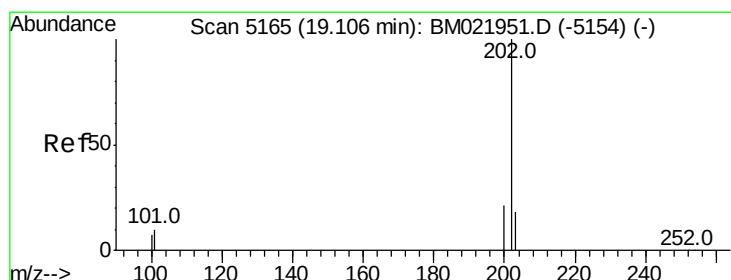
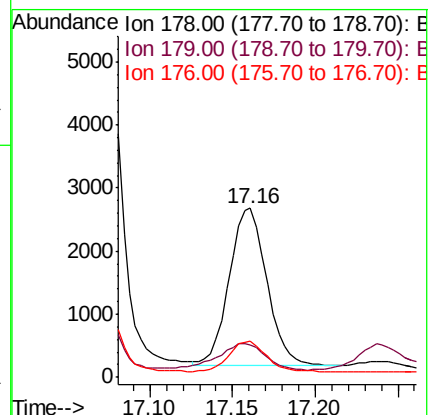
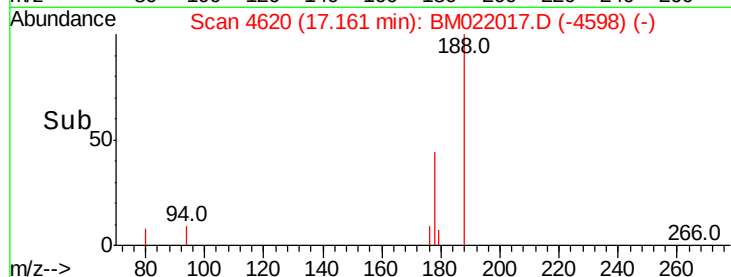
176 21.2 16.6 25.0



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



#15

Fluoranthene

Concen: 4.049 ng/ul

RT: 19.09 min Scan# 5160

Delta R.T. -0.02 min

Lab File: BM022017.D

Acq: 11 Aug 2019 04:46

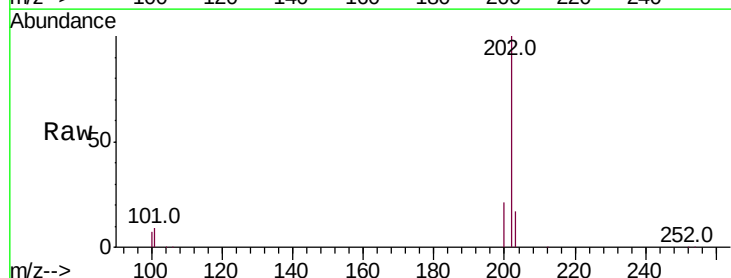
Tgt Ion:202 Resp: 73040

Ion Ratio Lower Upper

202 100

101 8.8 0.0 30.2

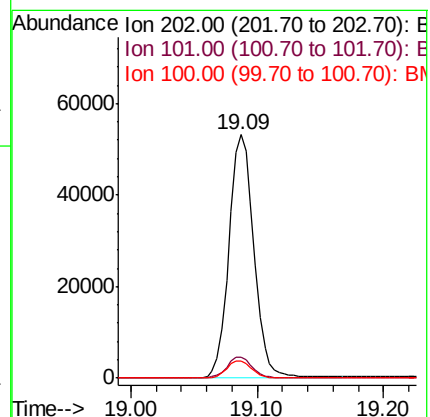
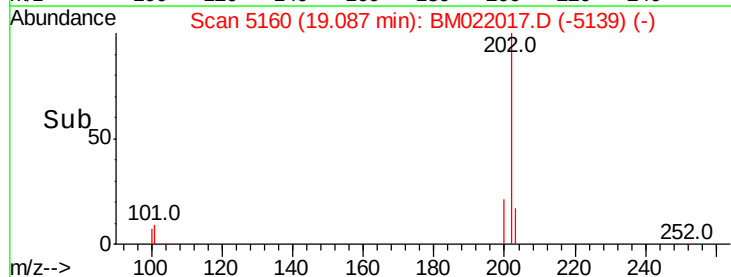
100 6.7 0.0 28.1

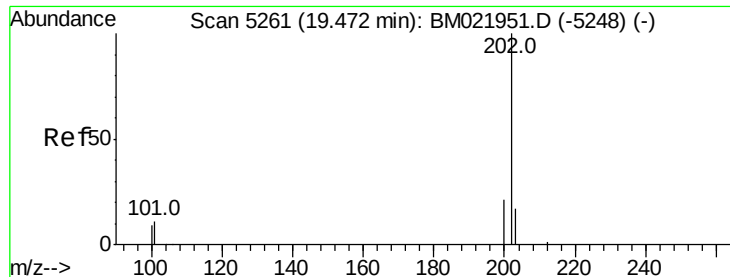


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 3.435 ng/ul

RT: 19.45 min Scan# 5256

Delta R.T. -0.02 min

Lab File: BM022017.D

Acq: 11 Aug 2019 04:46

Instrument :

BNA_M

ClientSampleId :

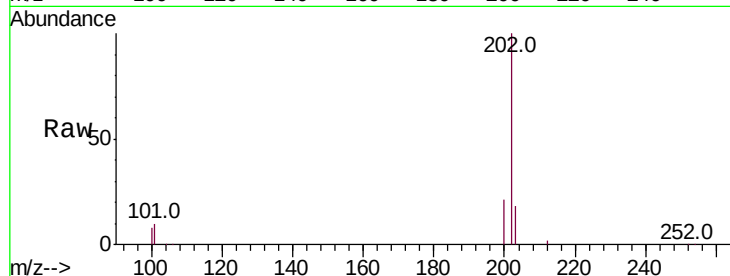
Tot Ion:202 Resp: 65094

Ion Ratio Lower Upper

202 100

101 10.2 8.3 12.5

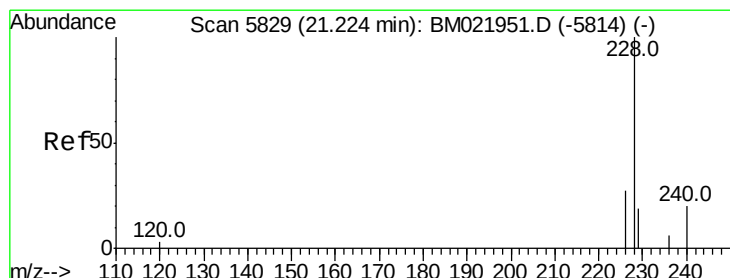
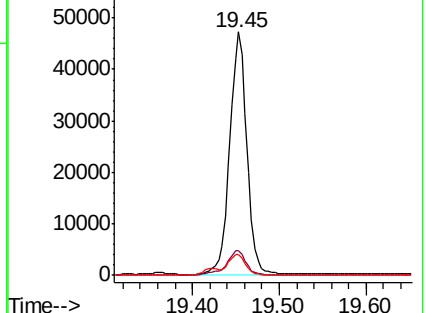
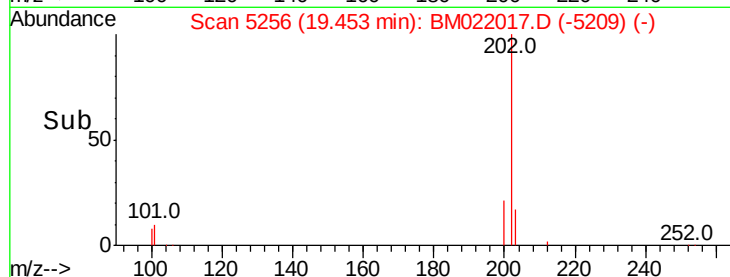
100 8.5 7.2 10.8



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: 1.959 ng/ul

RT: 21.20 min Scan# 5821

Delta R.T. -0.02 min

Lab File: BM022017.D

Acq: 11 Aug 2019 04:46

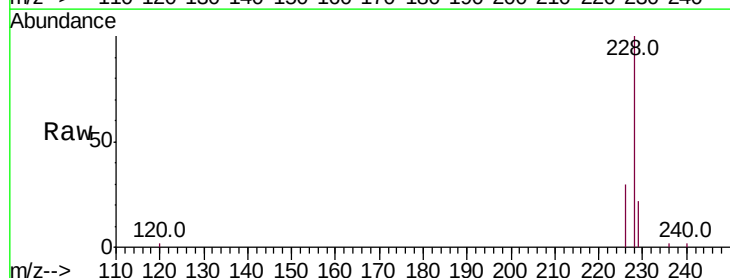
Tgt Ion:228 Resp: 32322

Ion Ratio Lower Upper

228 100

229 21.9 17.2 25.8

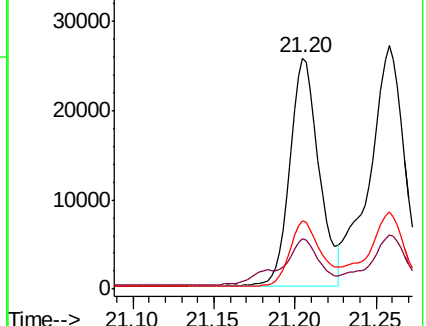
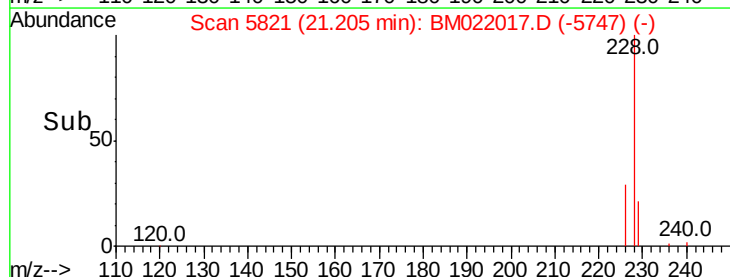
226 29.5 22.6 34.0

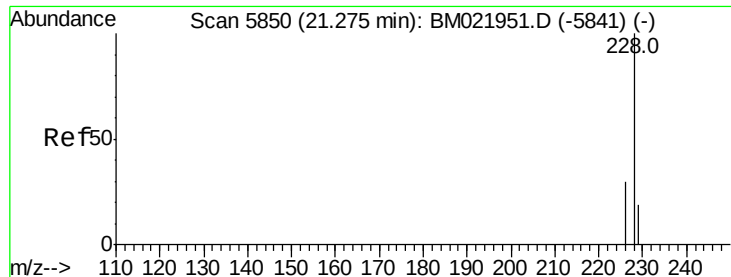


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 1.925 ng/ul

RT: 21.26 min Scan# 5843

Delta R.T. -0.02 min

Lab File: BM022017.D

Acq: 11 Aug 2019 04:46

Instrument :

BNA_M

ClientSampleId :

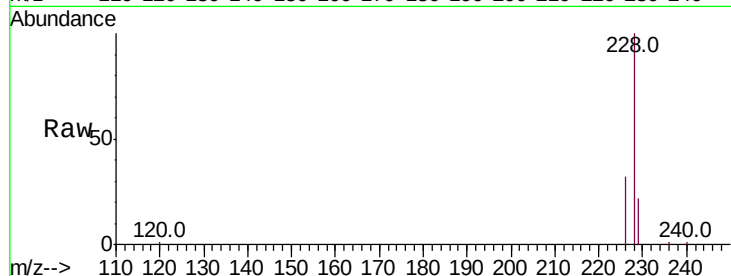
Tot Ion:228 Resp: 40847

Ion Ratio Lower Upper

228 100

226 31.6 24.9 37.3

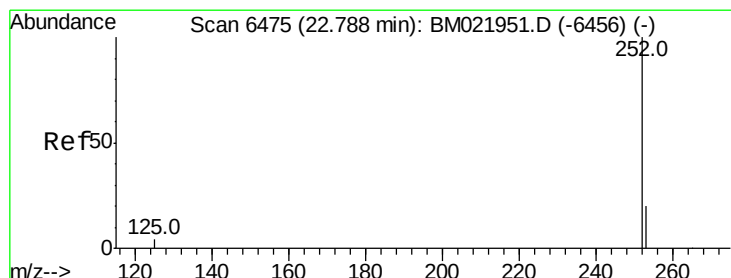
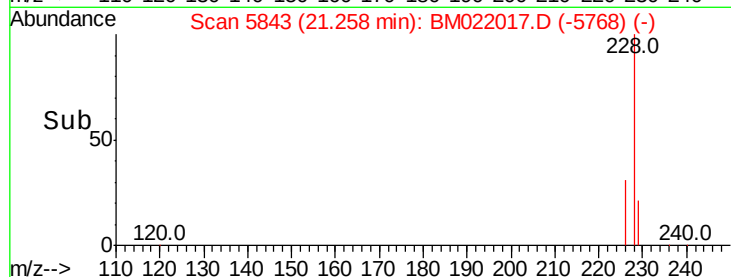
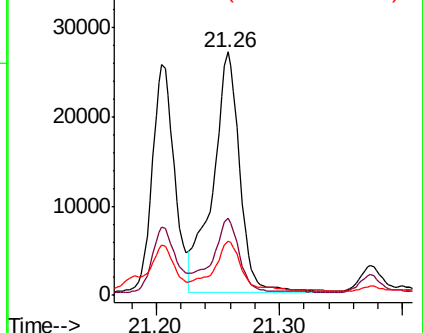
229 22.0 16.6 25.0



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: 4.027 ng/ul

RT: 22.77 min Scan# 6467

Delta R.T. -0.02 min

Lab File: BM022017.D

Acq: 11 Aug 2019 04:46

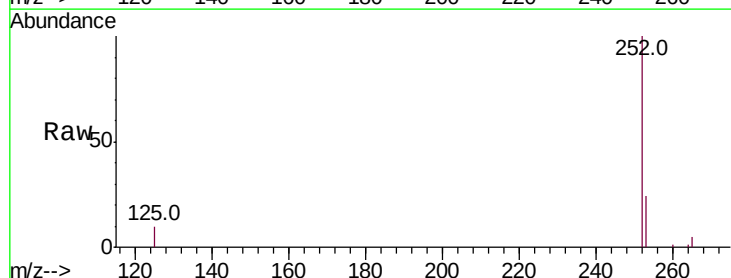
Tgt Ion:252 Resp: 79815

Ion Ratio Lower Upper

252 100

253 24.1 0.0 67.4

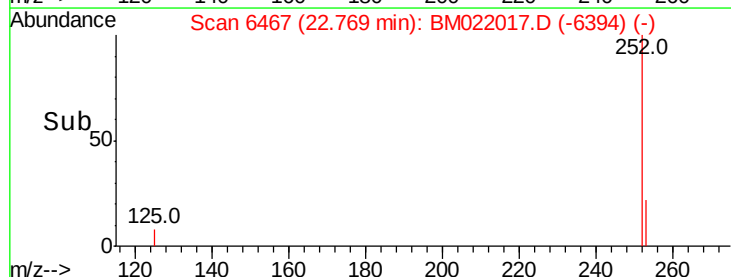
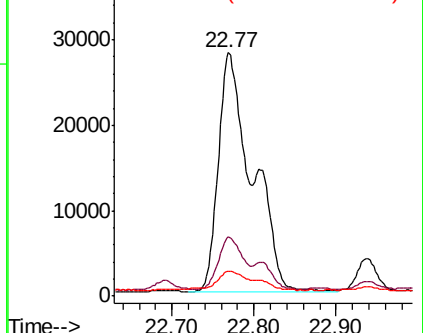
125 10.2 0.0 31.0

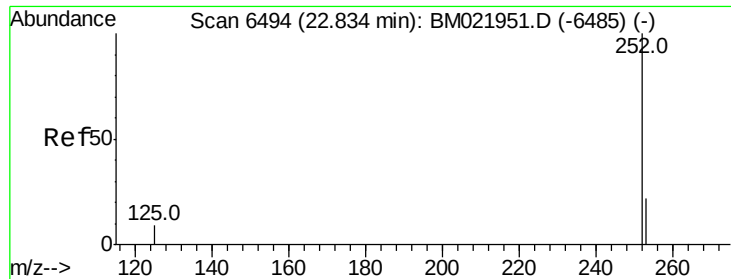


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 3.558 ng/ul

RT: 22.77 min Scan# 6467

Delta R.T. -0.07 min

Lab File: BM022017.D

Acq: 11 Aug 2019 04:46

Instrument :

BNA_M

ClientSampleId :

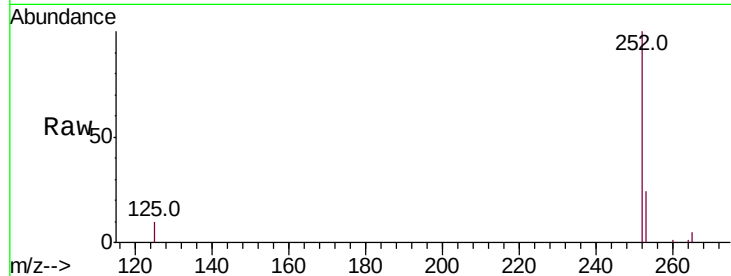
Tot Ion:252 Resp: 79815

Ion Ratio Lower Upper

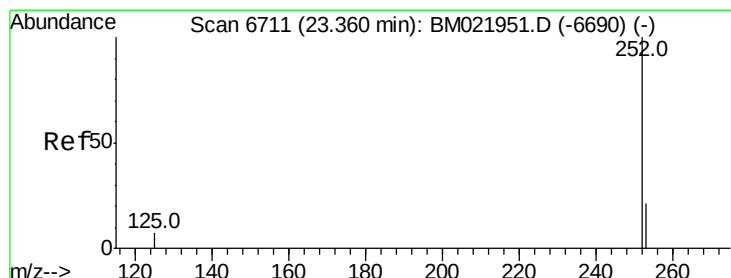
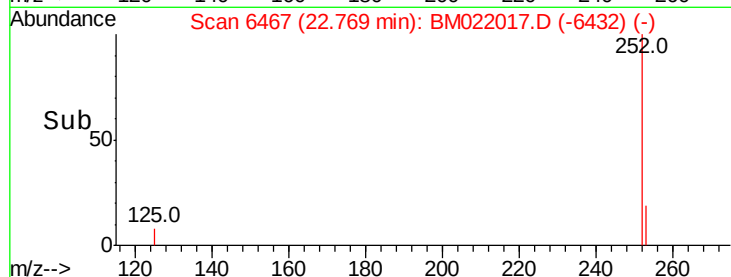
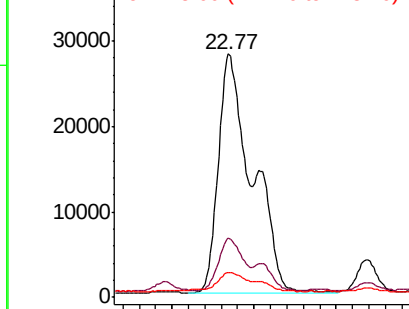
252 100

253 24.1 27.0 40.4#

125 10.2 12.2 18.2#



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: 1.873 ng/ul

RT: 23.33 min Scan# 6700

Delta R.T. -0.03 min

Lab File: BM022017.D

Acq: 11 Aug 2019 04:46

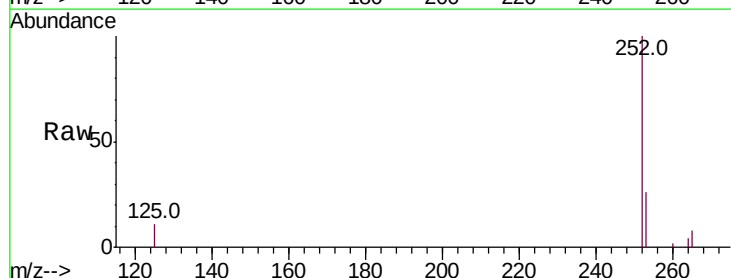
Tgt Ion:252 Resp: 37756

Ion Ratio Lower Upper

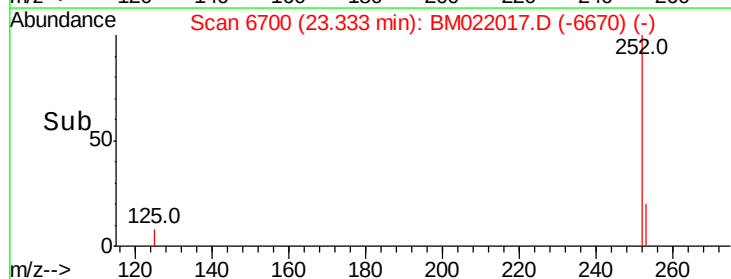
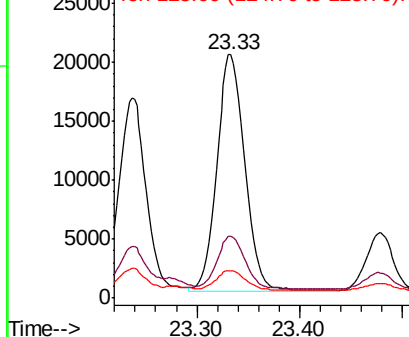
252 100

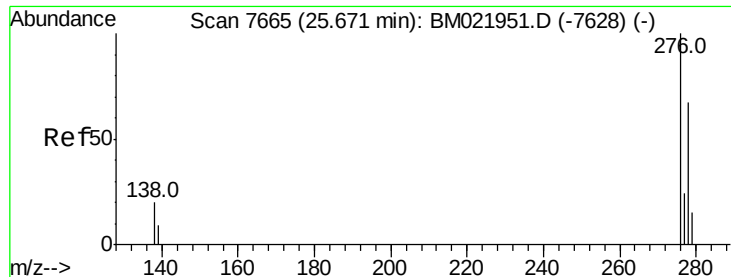
253 25.5 31.7 47.5#

125 11.5 14.6 21.8#



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



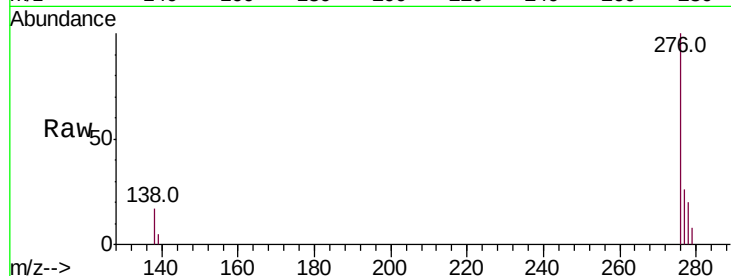


#24

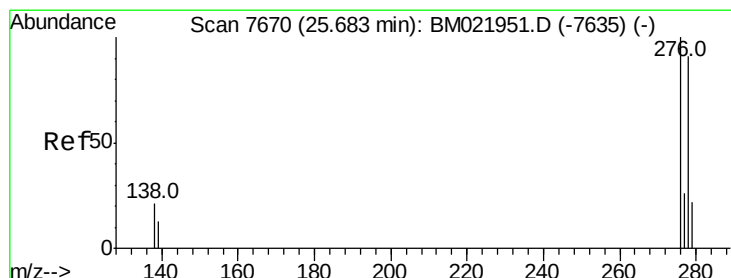
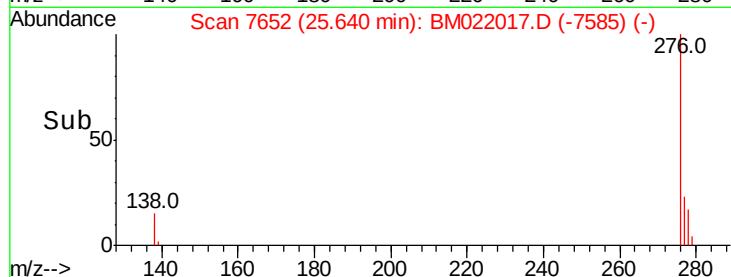
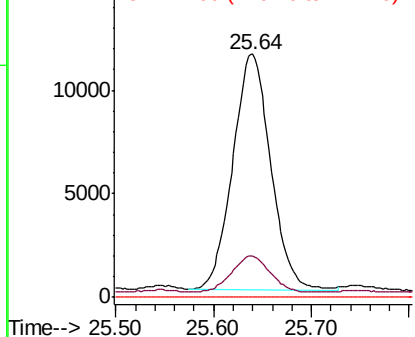
Indeno(1,2,3-cd)pyrene
Concen: 1.279 ng/ul
RT: 25.64 min Scan# 7652
Delta R.T. -0.04 min
Lab File: BM022017.D
Acq: 11 Aug 2019 04:46

Instrument :
BNA_M
ClientSampleId :

Tot Ion:276 Resp: 30786
Ion Ratio Lower Upper
276 100
138 15.6 15.1 22.7
227 0.0 0.0 0.0



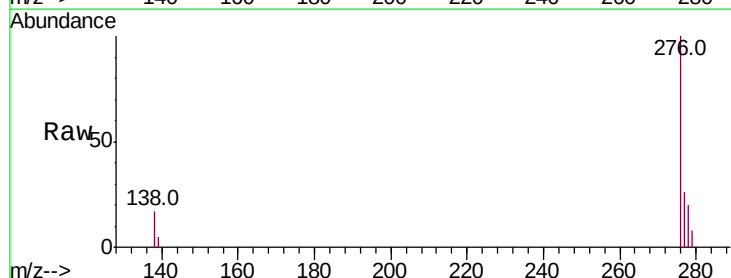
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



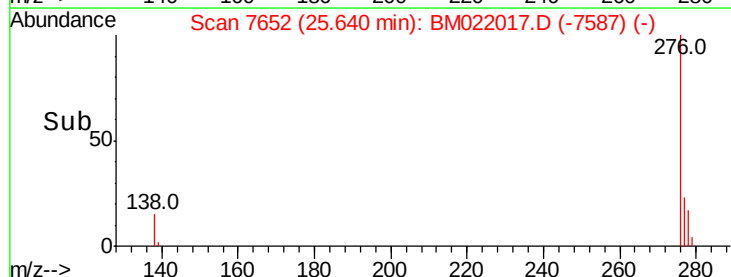
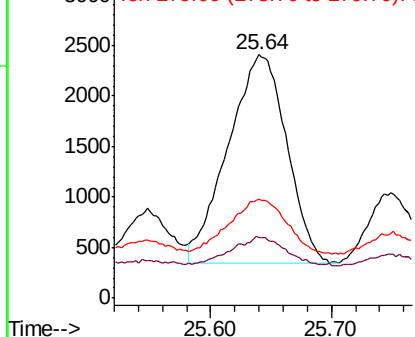
#25

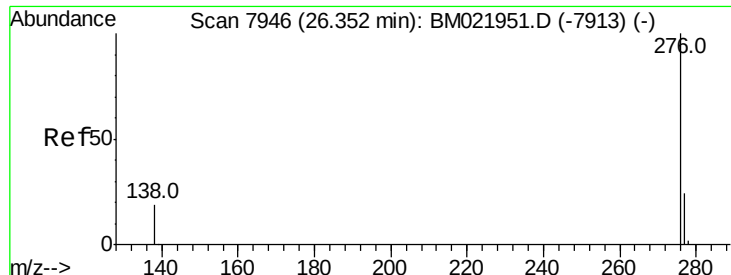
Dibenzo(a,h)anthracene
Concen: 0.357 ng/ul
RT: 25.64 min Scan# 7652
Delta R.T. -0.04 min
Lab File: BM022017.D
Acq: 11 Aug 2019 04:46

Tgt Ion:278 Resp: 6954
Ion Ratio Lower Upper
278 100
139 24.9 14.2 21.2#
279 40.8 28.3 42.5



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





#26

Benzo(a,h,i)perylene

Concen: 1.455 ng/ul

RT: 26.32 min Scan# 7933

Delta R.T. -0.04 min

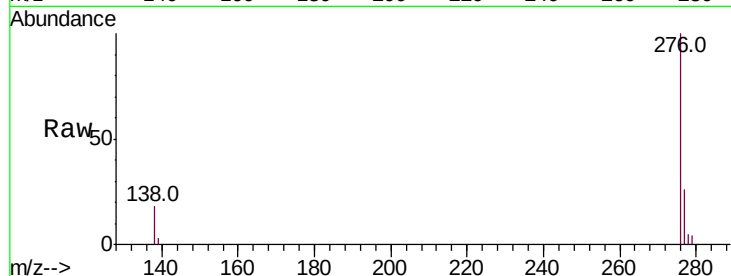
Lab File: BM022017.D

Acq: 11 Aug 2019 04:46

Instrument :

BNA_M

ClientSampleId :



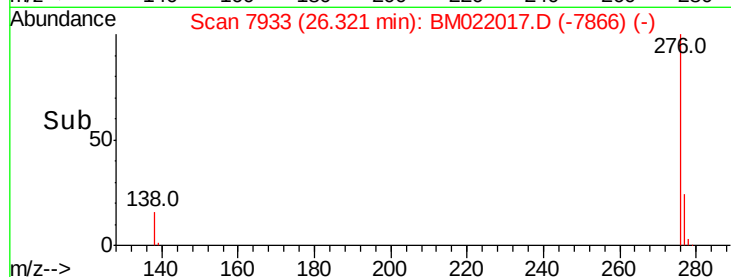
Tot Ion:276 Resp: 31533

Ion Ratio Lower Upper

276 100

138 17.6 15.5 23.3

277 26.2 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

15000 Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

