

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
 Data File : BM022173.D
 Acq On : 16 Aug 2019 17:00
 Operator : HP/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 17 04:13:52 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 16 14:59:47 2019
 Response via : Initial Calibration

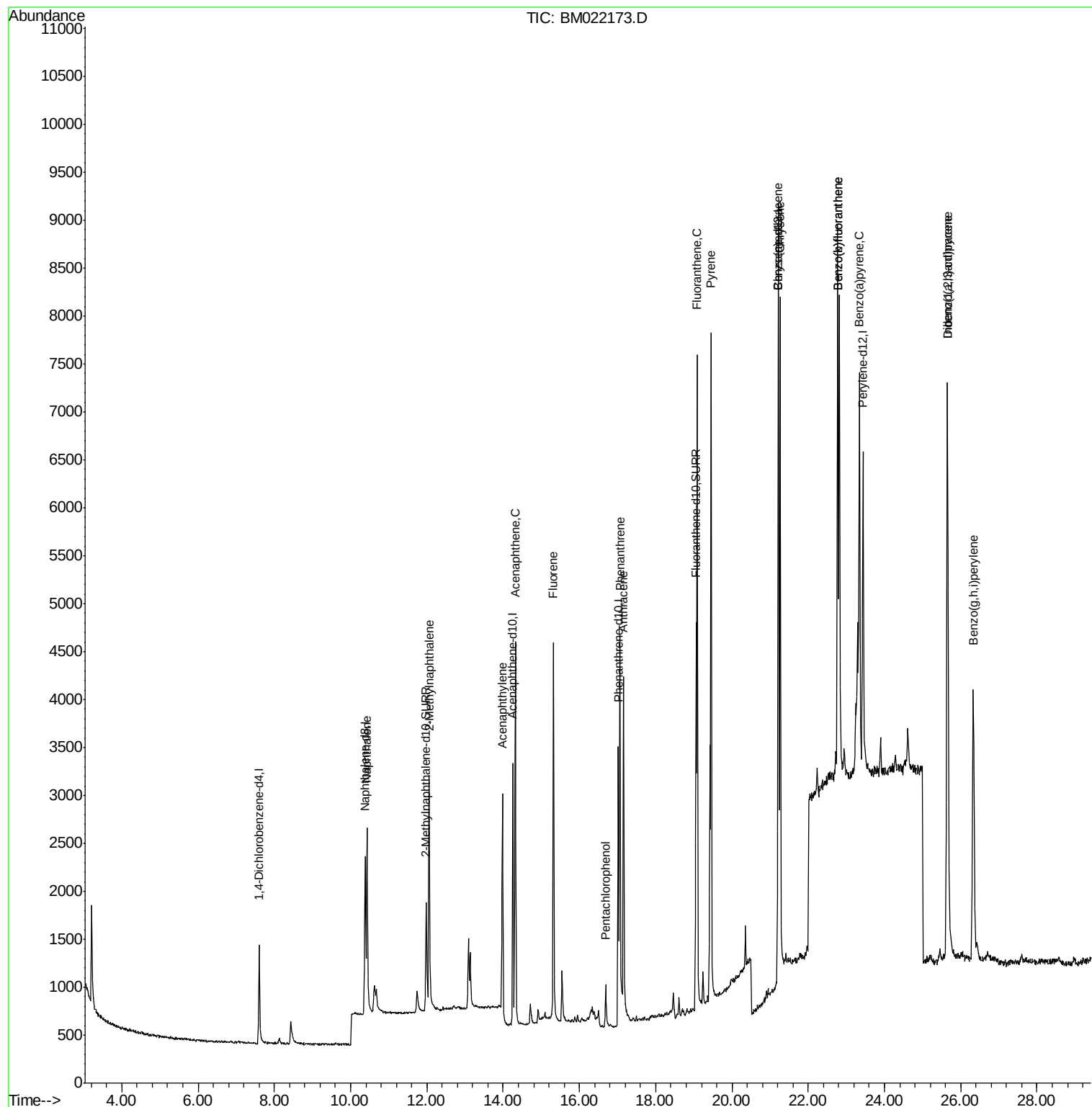
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	638	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.38	136	2868	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.25	164	1670	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.02	188	3812	0.40	ng/ul	-0.02
16) Chrysene-d12	21.22	240	3922	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	4268	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	1991	0.42	ng/ul	-0.03
14) Fluoranthene-d10	19.05	212	5050	0.39	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	10.43	128	3084	0.381	ng/ul	98
5) 2-Methylnaphthalene	12.06	142	2254	0.418	ng/ul	100
7) Acenaphthylene	13.98	152	2963	0.380	ng/ul#	83
8) Acenaphthene	14.32	153	2565	0.402	ng/ul	97
9) Fluorene	15.32	166	2821	0.399	ng/ul	100
11) Pentachlorophenol	16.69	266	406	0.577	ng/ul	89
12) Phenanthrene	17.06	178	4785	0.431	ng/ul	100
13) Anthracene	17.16	178	4496	0.475	ng/ul	98
15) Fluoranthene	19.08	202	6315	0.425	ng/ul	98
17) Pyrene	19.45	202	6575	0.408	ng/ul	98
18) Benzo(a)anthracene	21.21	228	6461	0.461	ng/ul	95
19) Chrysene	21.26	228	6926	0.384	ng/ul	95
21) Benzo(b)fluoranthene	22.77	252	7259	0.504	ng/ul	97
22) Benzo(k)fluoranthene	22.77	252	7281	0.447	ng/ul	97
23) Benzo(a)pyrene	23.34	252	6252	0.427	ng/ul#	94
24) Indeno(1,2,3-cd)pyrene	25.65	276	7403	0.424	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.65	278	5877	0.416	ng/ul#	93
26) Benzo(g,h,i)perylene	26.33	276	6443	0.410	ng/ul	92

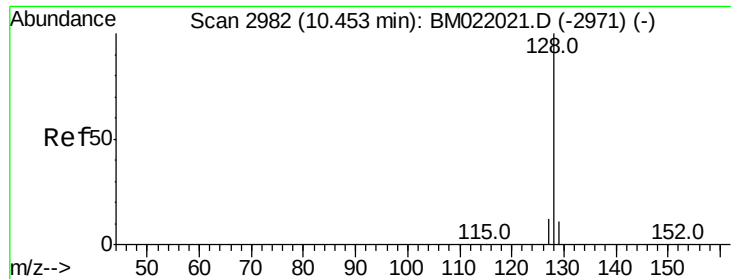
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.381 ng/ul

RT: 10.43 min Scan# 2977

Delta R.T. -0.02 min

Lab File: BM022173.D

Acq: 16 Aug 2019 17:00

Instrument :

BNA_M

ClientSampleId :

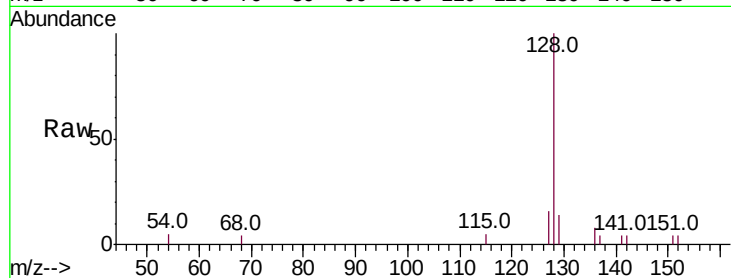
Tot Ion:128 Resp: 3084

Ion Ratio Lower Upper

128 100

129 13.7 12.3 18.5

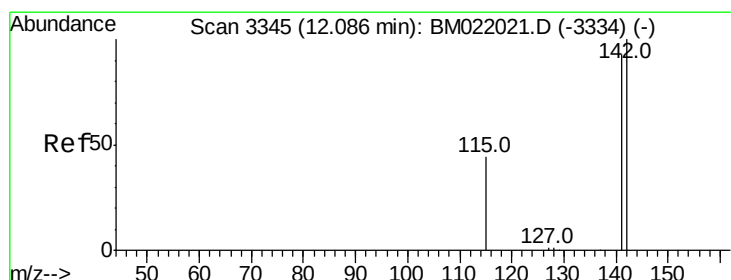
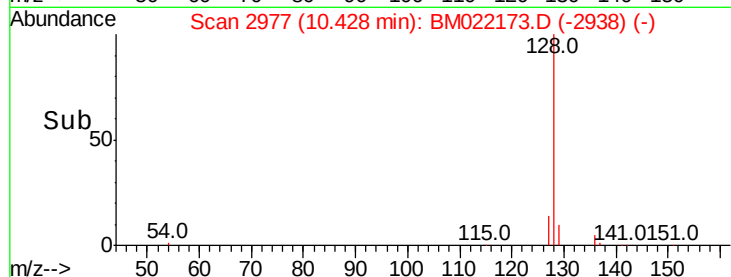
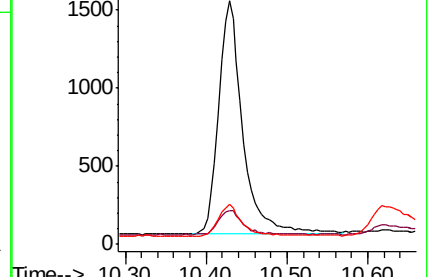
127 16.5 13.0 19.6



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: 0.418 ng/ul

RT: 12.06 min Scan# 3339

Delta R.T. -0.03 min

Lab File: BM022173.D

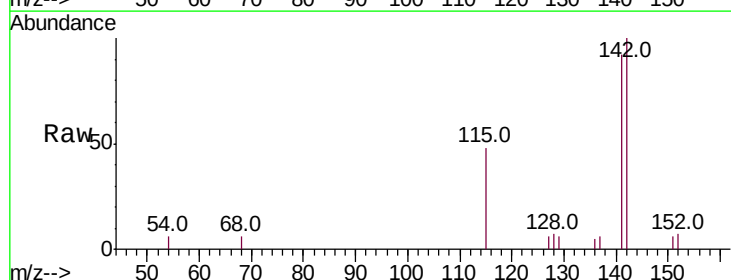
Acq: 16 Aug 2019 17:00

Tgt Ion:142 Resp: 2254

Ion Ratio Lower Upper

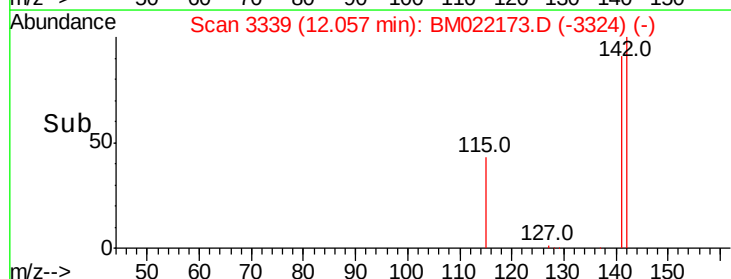
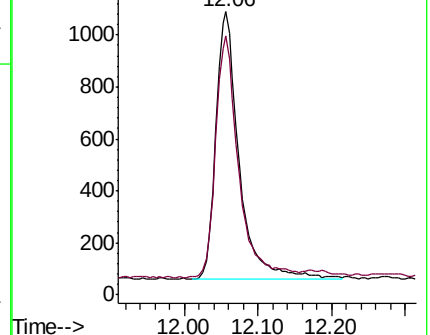
142 100

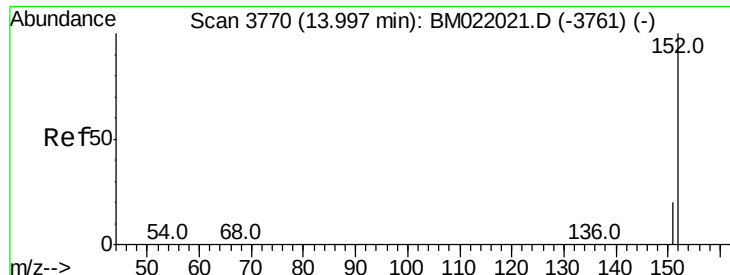
141 92.5 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.380 ng/ul

RT: 13.98 min Scan# 3767

Delta R.T. -0.02 min

Lab File: BM022173.D

Acq: 16 Aug 2019 17:00

Instrument :

BNA_M

ClientSampleId :

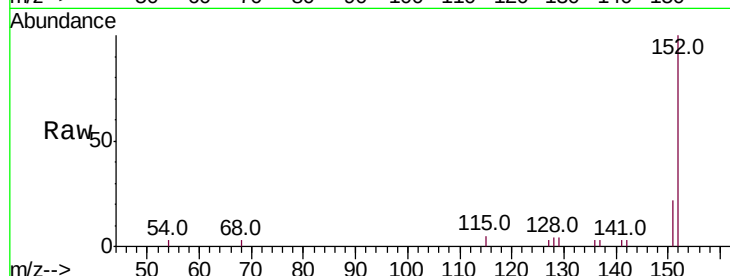
Tot Ion:152 Resp: 2963

Ion Ratio Lower Upper

152 100

151 21.9 18.3 27.5

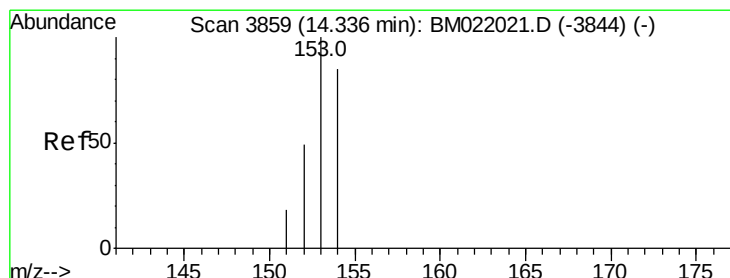
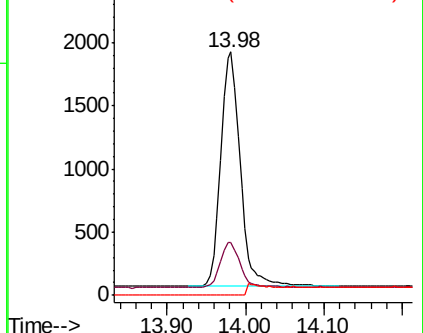
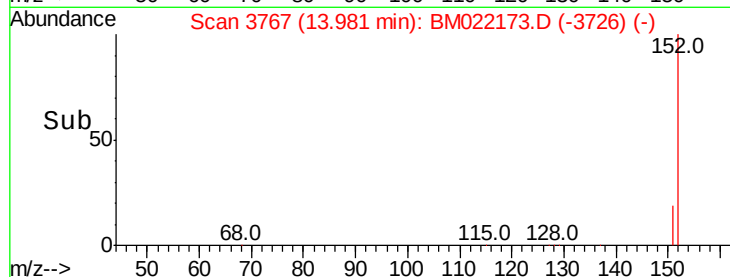
153 0.0 12.8 19.2#



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: 0.402 ng/ul

RT: 14.32 min Scan# 3855

Delta R.T. -0.01 min

Lab File: BM022173.D

Acq: 16 Aug 2019 17:00

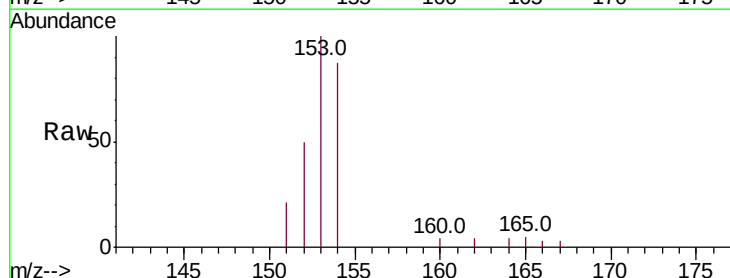
Tgt Ion:153 Resp: 2565

Ion Ratio Lower Upper

153 100

152 50.0 41.3 61.9

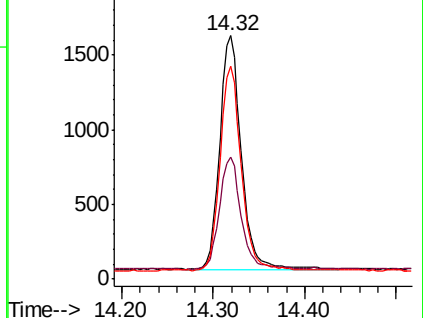
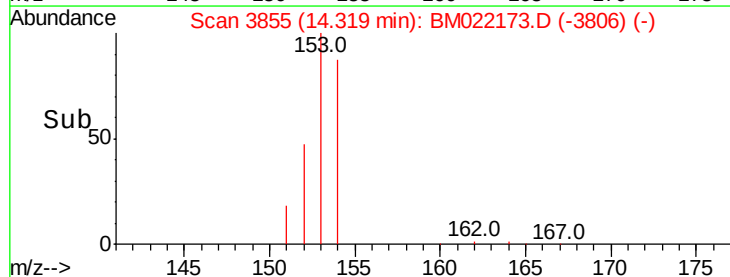
154 87.4 72.3 108.5

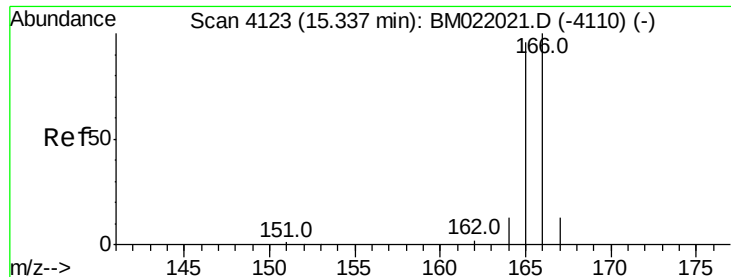


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



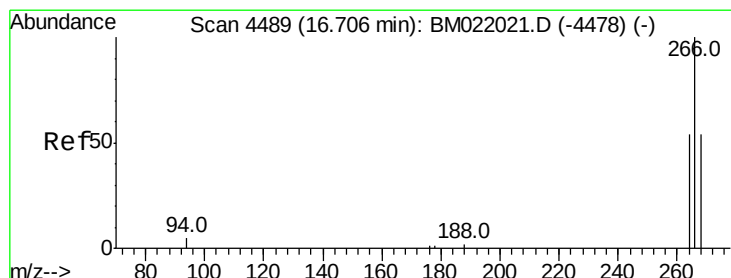
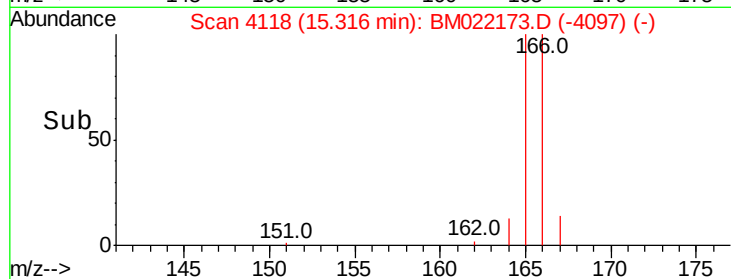
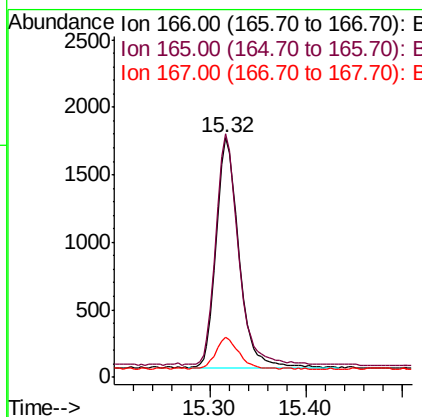
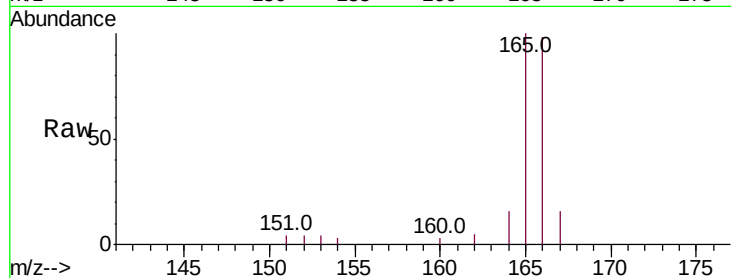


#9
Fluorene
 Concen: 0.399 ng/ul
 RT: 15.32 min Scan# 4118
 Delta R.T. -0.02 min
 Lab File: BM022173.D
 Acq: 16 Aug 2019 17:00

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:166 Resp: 2821

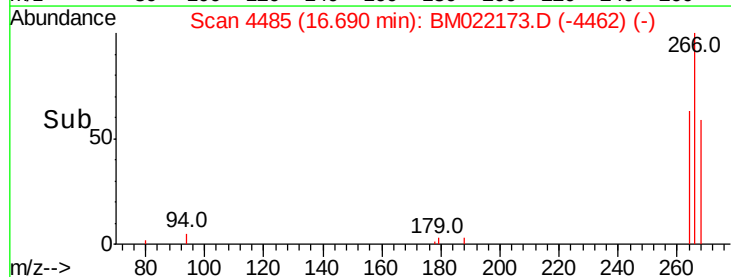
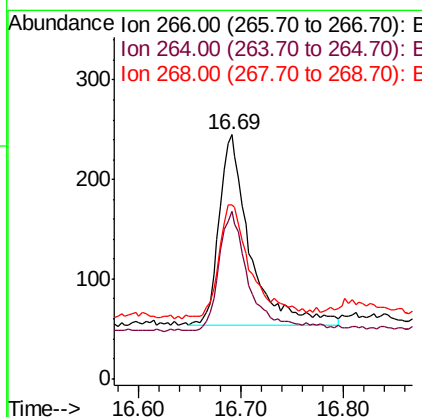
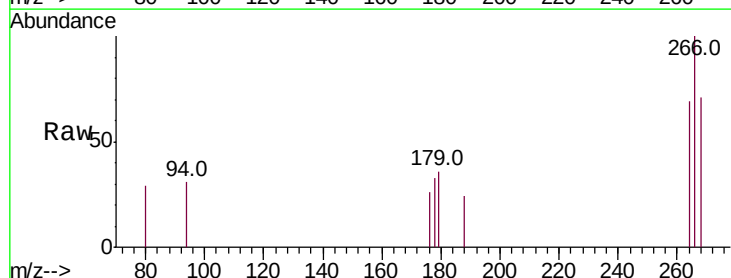
Ion	Ratio	Lower	Upper
166	100		
165	101.6	81.4	122.0
167	16.7	13.7	20.5

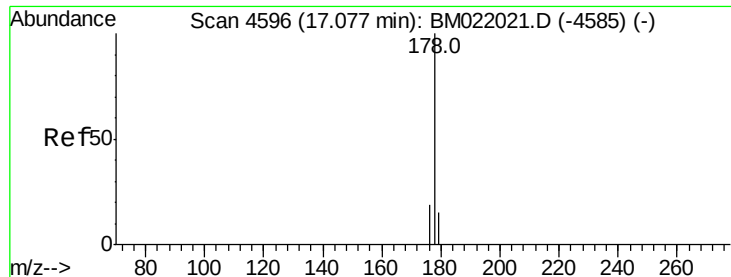


#11
Pentachlorophenol
 Concen: 0.577 ng/ul
 RT: 16.69 min Scan# 4485
 Delta R.T. -0.02 min
 Lab File: BM022173.D
 Acq: 16 Aug 2019 17:00

Tgt Ion:266 Resp: 406

Ion	Ratio	Lower	Upper
266	100		
264	61.1	54.2	81.2
268	60.6	57.6	86.4





#12

Phenanthrene

Concen: 0.431 ng/ul

RT: 17.06 min Scan# 4592

Delta R.T. -0.02 min

Lab File: BM022173.D

Acq: 16 Aug 2019 17:00

Instrument :

BNA_M

ClientSampleId :

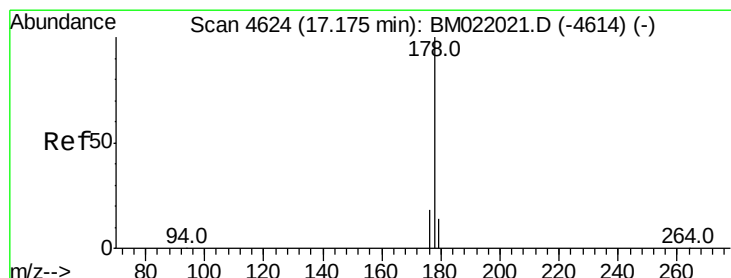
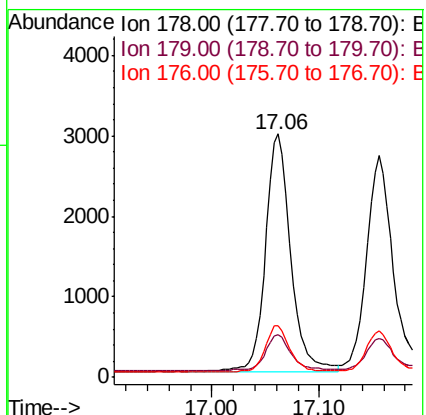
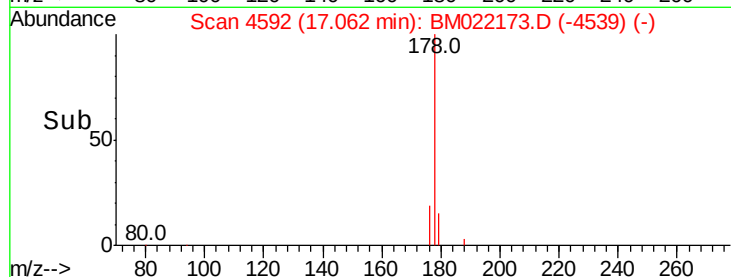
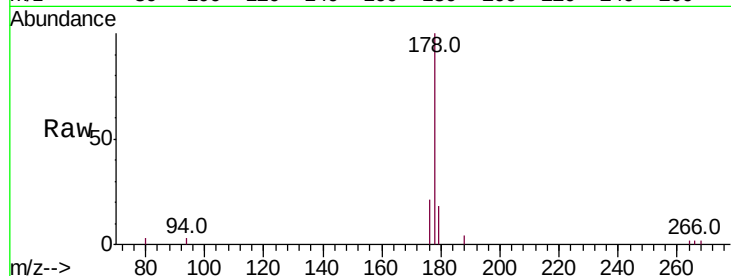
Tot Ion:178 Resp: 4785

Ion Ratio Lower Upper

178 100

179 17.7 14.2 21.2

176 21.2 16.8 25.2



#13

Anthracene

Concen: 0.475 ng/ul

RT: 17.16 min Scan# 4619

Delta R.T. -0.02 min

Lab File: BM022173.D

Acq: 16 Aug 2019 17:00

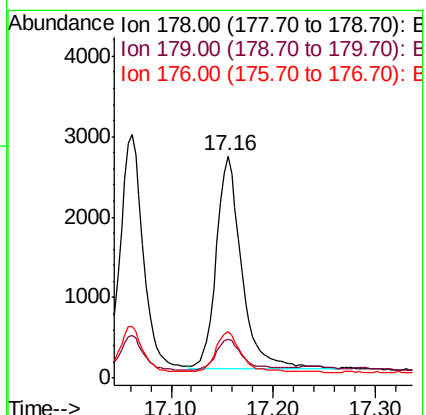
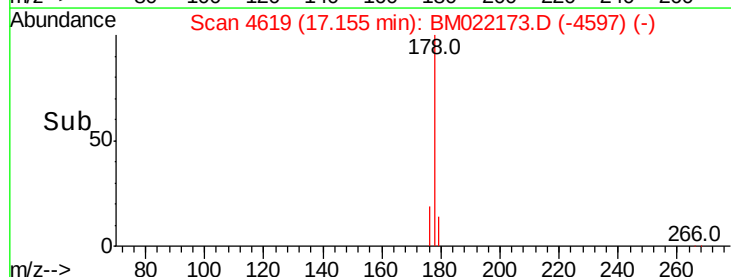
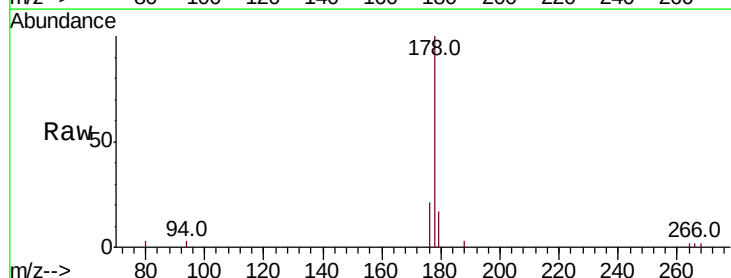
Tgt Ion:178 Resp: 4496

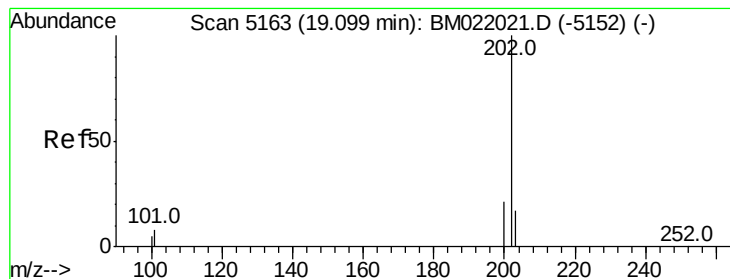
Ion Ratio Lower Upper

178 100

179 17.4 15.5 23.3

176 20.9 16.6 25.0





#15

Fluoranthene

Concen: 0.425 ng/ul

RT: 19.08 min Scan# 5160

Delta R.T. -0.01 min

Lab File: BM022173.D

Acq: 16 Aug 2019 17:00

Instrument :

BNA_M

ClientSampleId :

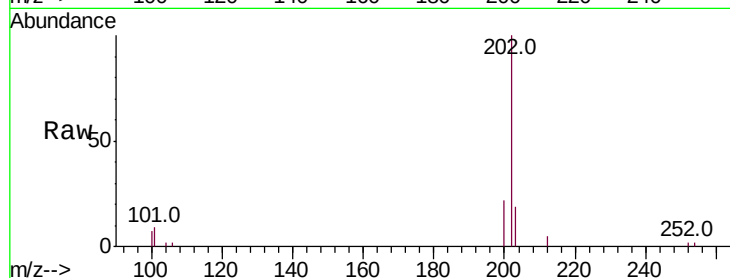
Tot Ion:202 Resp: 6315

Ion Ratio Lower Upper

202 100

101 9.4 0.0 30.2

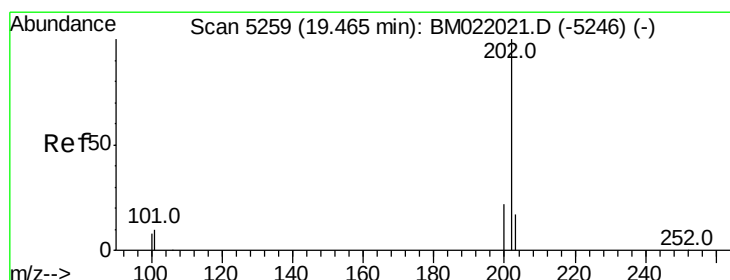
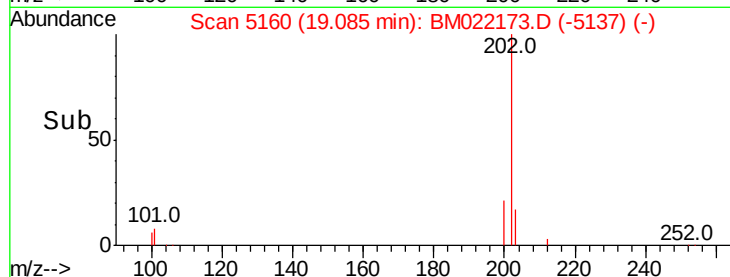
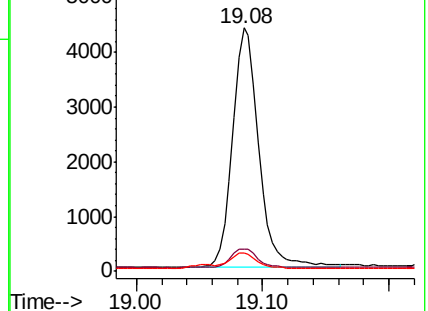
100 7.4 0.0 28.1



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): B



#17

Pyrene

Concen: 0.408 ng/ul

RT: 19.45 min Scan# 5256

Delta R.T. -0.01 min

Lab File: BM022173.D

Acq: 16 Aug 2019 17:00

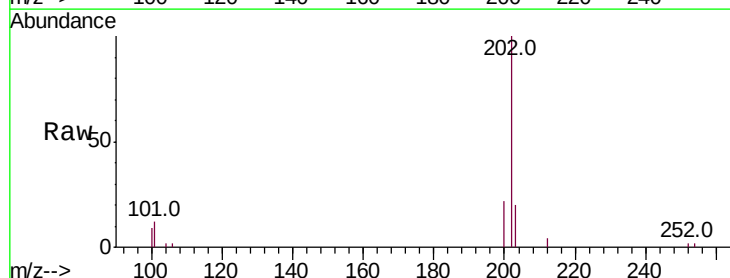
Tgt Ion:202 Resp: 6575

Ion Ratio Lower Upper

202 100

101 11.6 8.3 12.5

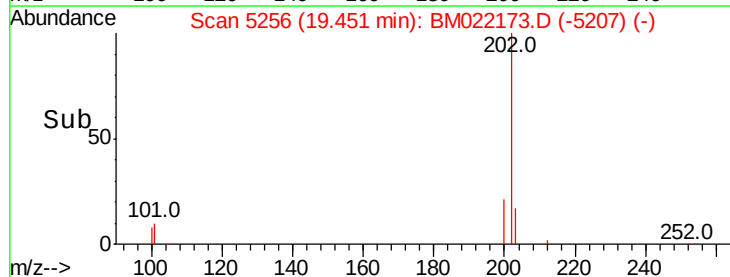
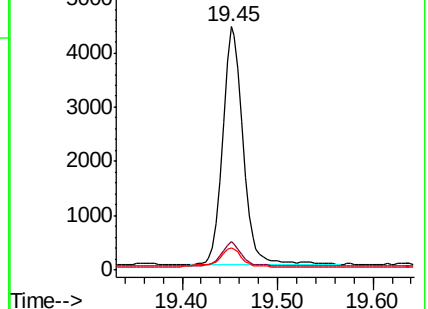
100 9.1 7.2 10.8

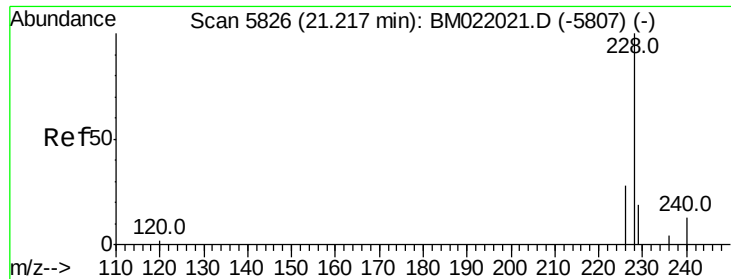


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.461 ng/ul

RT: 21.21 min Scan# 5824

Delta R.T. -0.01 min

Lab File: BM022173.D

Acq: 16 Aug 2019 17:00

Instrument :

BNA_M

ClientSampleId :

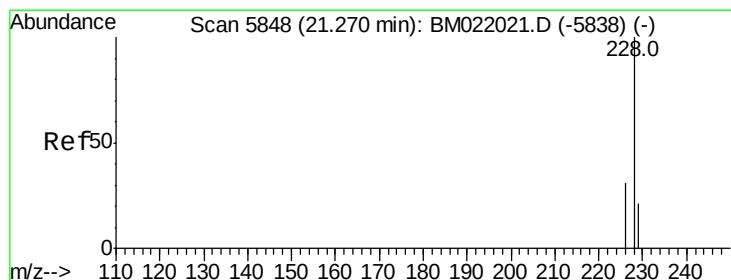
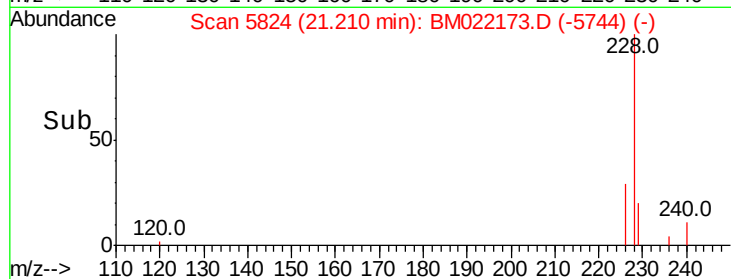
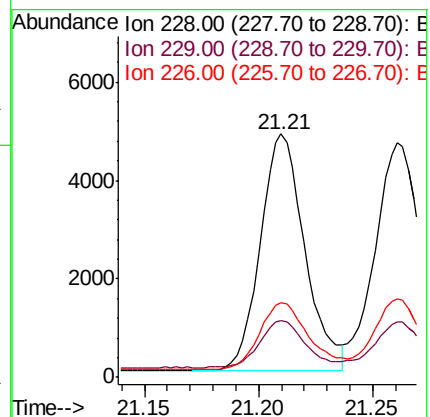
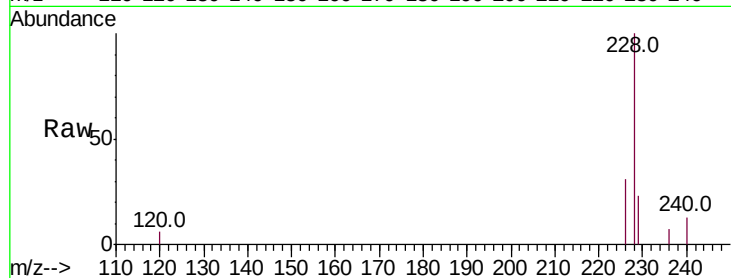
Tot Ion:228 Resp: 6461

Ion Ratio Lower Upper

228 100

229 23.5 17.2 25.8

226 30.9 22.6 34.0



#19

Chrysene

Concen: 0.384 ng/ul

RT: 21.26 min Scan# 5845

Delta R.T. -0.01 min

Lab File: BM022173.D

Acq: 16 Aug 2019 17:00

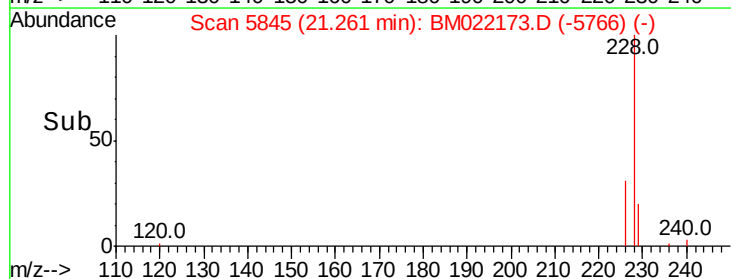
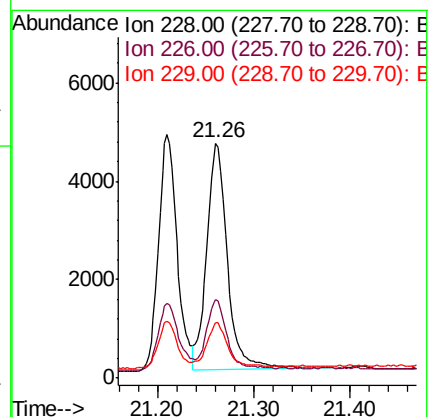
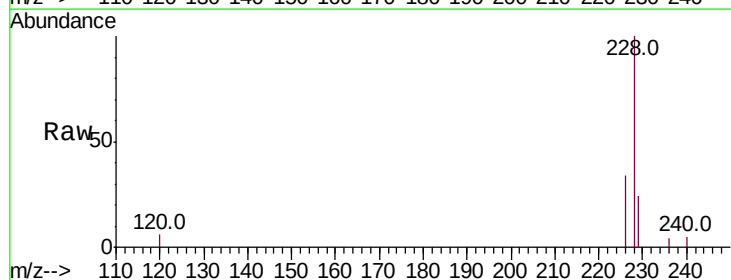
Tgt Ion:228 Resp: 6926

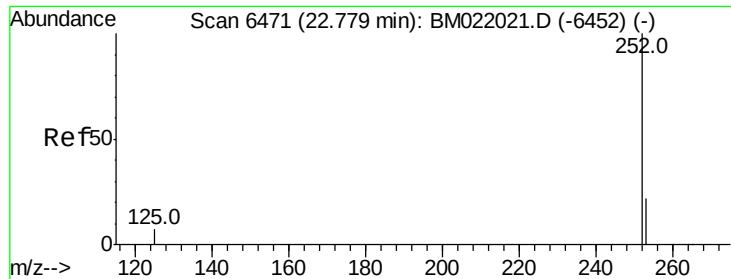
Ion Ratio Lower Upper

228 100

226 33.5 24.9 37.3

229 23.6 16.6 25.0





#21

Benzo(b)fluoranthene

Concen: 0.504 ng/ul

RT: 22.77 min Scan# 6469

Delta R.T. -0.00 min

Lab File: BM022173.D

Acq: 16 Aug 2019 17:00

Instrument :

BNA_M

ClientSampleId :

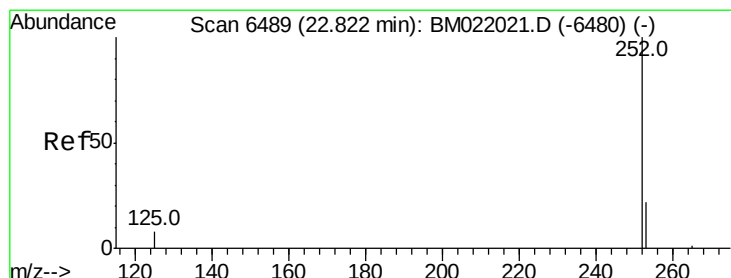
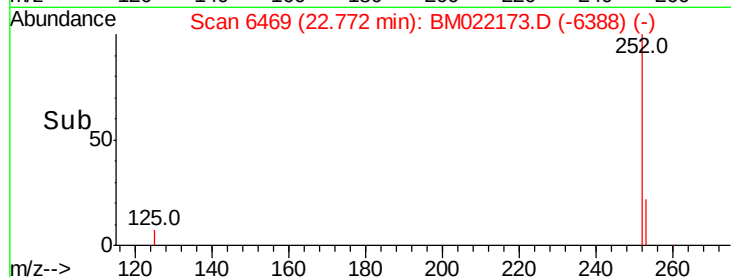
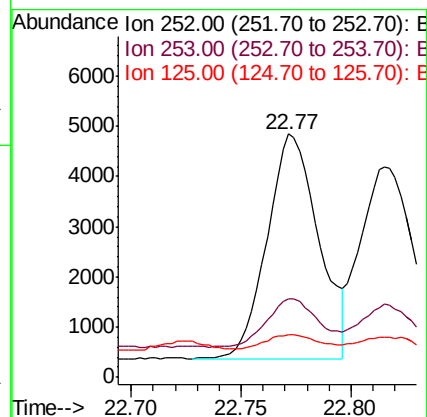
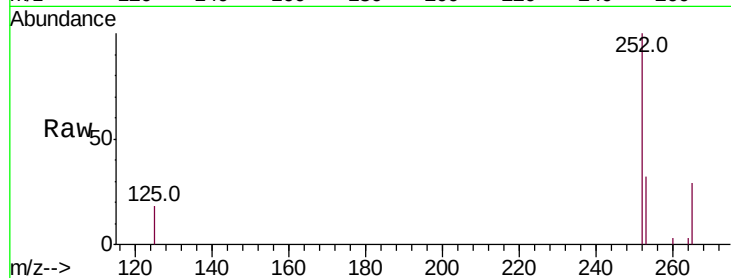
Tot Ion:252 Resp: 7259

Ion Ratio Lower Upper

252 100

253 32.2 0.0 67.4

125 17.5 0.0 31.0



#22

Benzo(k)fluoranthene

Concen: 0.447 ng/ul

RT: 22.77 min Scan# 6469

Delta R.T. -0.05 min

Lab File: BM022173.D

Acq: 16 Aug 2019 17:00

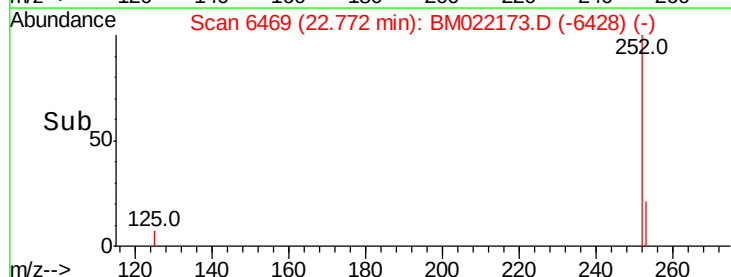
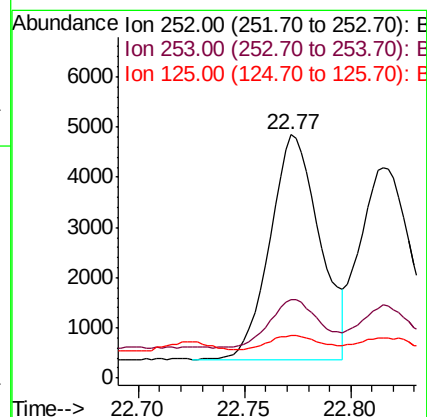
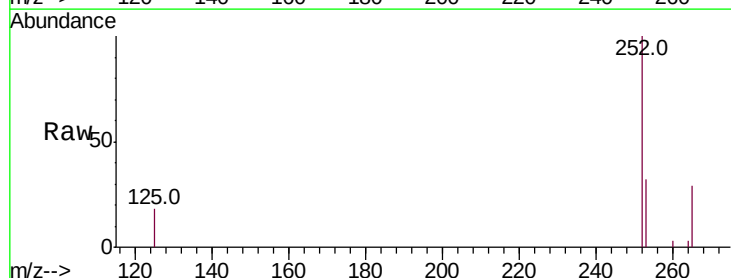
Tgt Ion:252 Resp: 7281

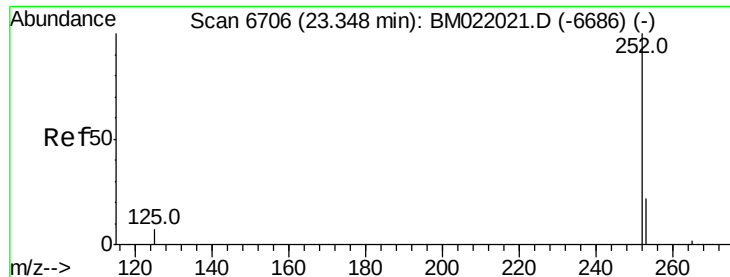
Ion Ratio Lower Upper

252 100

253 32.2 27.0 40.4

125 17.5 12.2 18.2





#23

Benzo(a)pyrene

Concen: 0.427 ng/ul

RT: 23.34 min Scan# 6705

Delta R.T. -0.00 min

Lab File: BM022173.D

Acq: 16 Aug 2019 17:00

Instrument :

BNA_M

ClientSampleId :

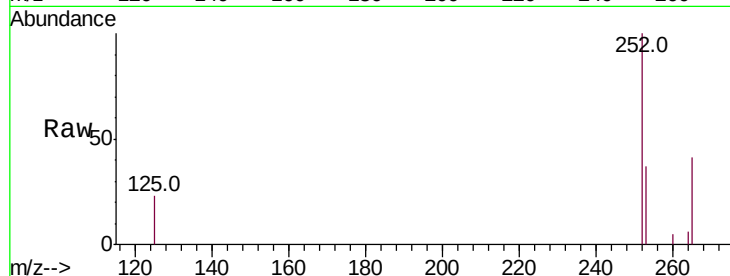
Tot Ion:252 Resp: 6252

Ion Ratio Lower Upper

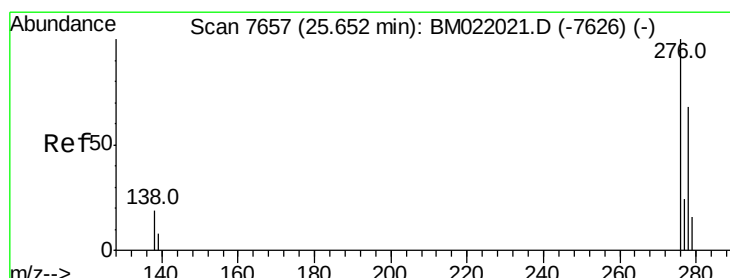
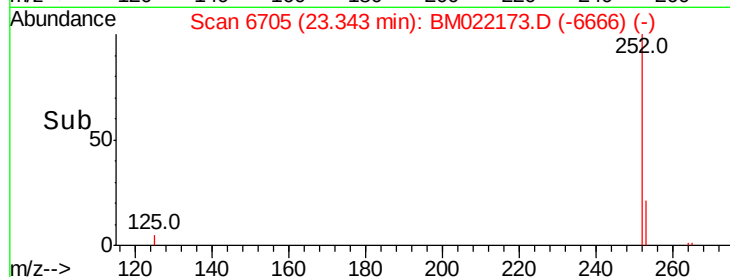
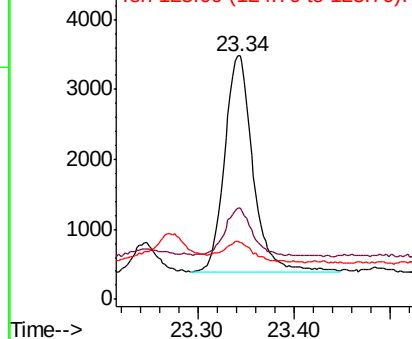
252 100

253 37.4 31.7 47.5

125 23.3 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: 0.424 ng/ul

RT: 25.65 min Scan# 7657

Delta R.T. -0.00 min

Lab File: BM022173.D

Acq: 16 Aug 2019 17:00

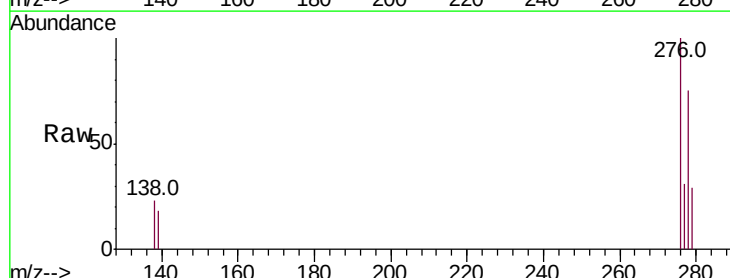
Tgt Ion:276 Resp: 7403

Ion Ratio Lower Upper

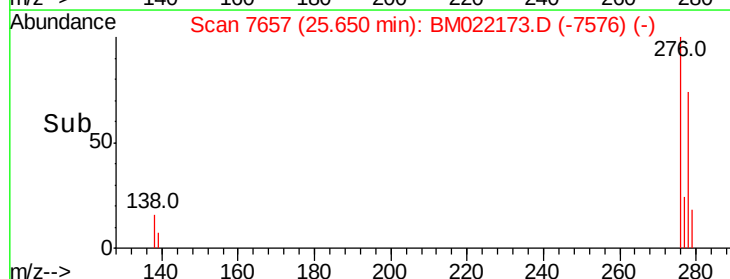
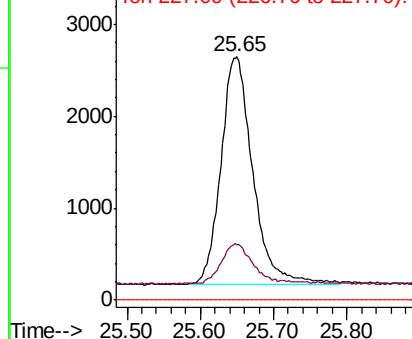
276 100

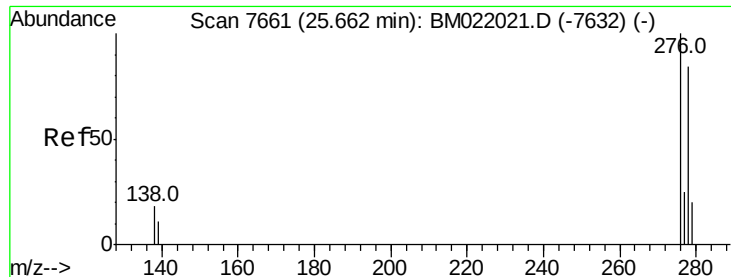
138 17.5 15.1 22.7

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: 0.416 ng/ul

RT: 25.65 min Scan# 7659

Delta R.T. -0.01 min

Lab File: BM022173.D

Acq: 16 Aug 2019 17:00

Instrument :

BNA_M

ClientSampleId :

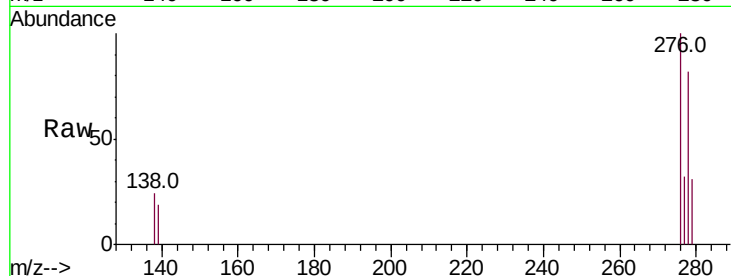
Tot Ion:278 Resp: 5877

Ion Ratio Lower Upper

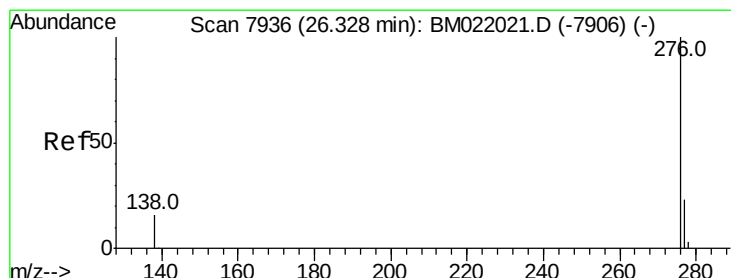
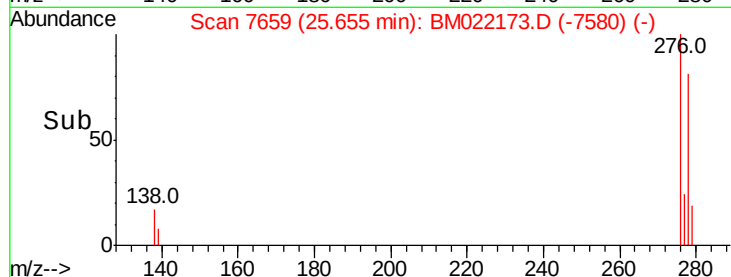
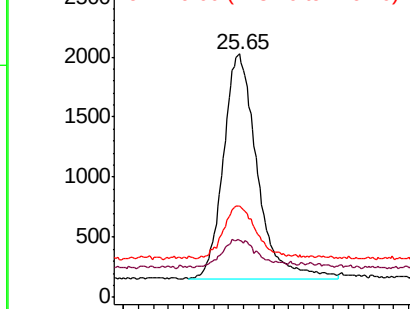
278 100

139 23.2 14.2 21.2#

279 37.7 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(g,h,i)perylene

Concen: 0.410 ng/ul

RT: 26.33 min Scan# 7938

Delta R.T. -0.00 min

Lab File: BM022173.D

Acq: 16 Aug 2019 17:00

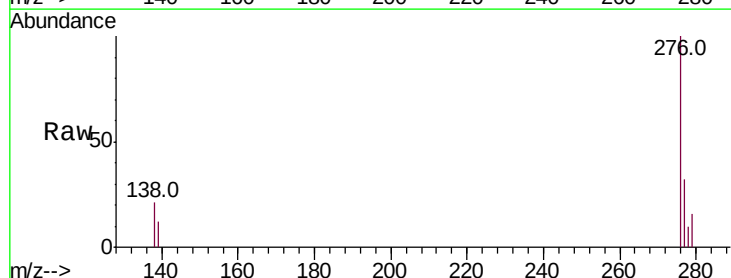
Tgt Ion:276 Resp: 6443

Ion Ratio Lower Upper

276 100

138 21.3 15.5 23.3

277 32.0 21.4 32.2



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

