

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020521\
 Data File : BM028663.D
 Acq On : 05 Feb 2021 14:26
 Operator : CG/JU
 Sample : SST0.476
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 05 15:58:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM020521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 05 15:47:53 2021
 Response via : Initial Calibration

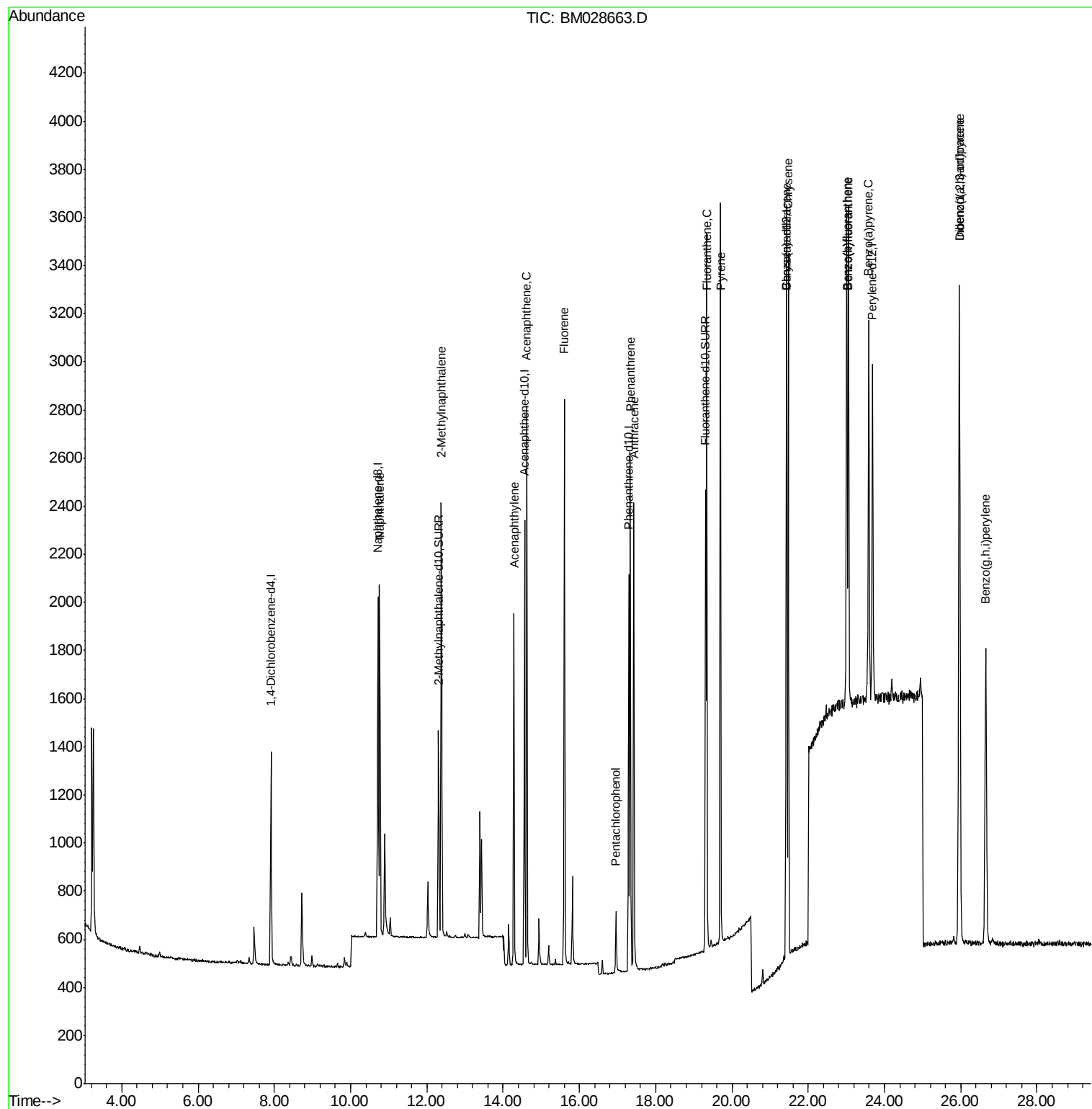
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	475	0.40	ng/ul	0.00
2) Naphthalene-d8	10.72	136	1944	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.56	164	994	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.29	188	1928	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1685	0.40	ng/ul	0.00
20) Perylene-d12	23.68	264	1772	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.30	152	1146	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.31	212	2043	0.40	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.76	128	2020	0.347	ng/ul	100
5) 2-Methylnaphthalene	12.38	142	1336	0.337	ng/ul	100
7) Acenaphthylene	14.28	152	1696	0.350	ng/ul	100
8) Acenaphthene	14.62	153	1327	0.365	ng/ul	100
9) Fluorene	15.60	166	1466	0.348	ng/ul	100
11) Pentachlorophenol	16.95	266	205	0.312	ng/ul	99
12) Phenanthrene	17.34	178	2227	0.366	ng/ul	100
13) Anthracene	17.43	178	2140	0.364	ng/ul	100
15) Fluoranthene	19.34	202	2470	0.366	ng/ul	100
17) Pyrene	19.70	202	2568	0.300	ng/ul	100
18) Benzo(a)anthracene	21.43	228	2373	0.349	ng/ul	100
19) Chrysene	21.48	228	2365	0.357	ng/ul	100
21) Benzo(b)fluoranthene	23.01	252	2482	0.333	ng/ul	100
22) Benzo(k)fluoranthene	23.05	252	2463	0.338	ng/ul	100
23) Benzo(a)pyrene	23.59	252	2185	0.336	ng/ul	100
24) Indeno(1,2,3-cd)pyrene	25.96	276	2900	0.411	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.97	278	2395	0.408	ng/ul	100
26) Benzo(g,h,i)perylene	26.66	276	2433	0.411	ng/ul	100

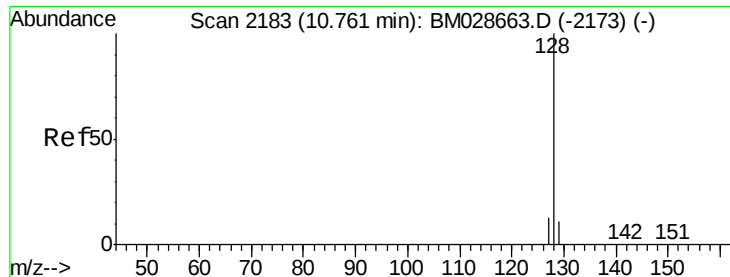
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :

Quant Time: Feb 05 15:58:43 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM020521.M
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#3

Naphthalene

Concen: 0.347 ng/ul

RT: 10.76 min Scan# 2183

Delta R.T. 0.00 min

Lab File: BM028663.D

Acq: 05 Feb 2021 14:26

Instrument :

BNA_M

ClientSampleId :

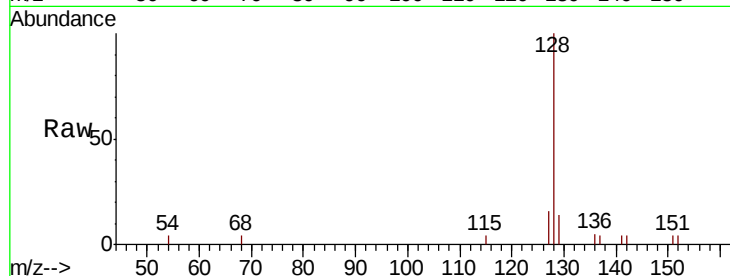
Tot Ion:128 Resp: 2020

Ion Ratio Lower Upper

128 100

129 14.3 11.4 17.2

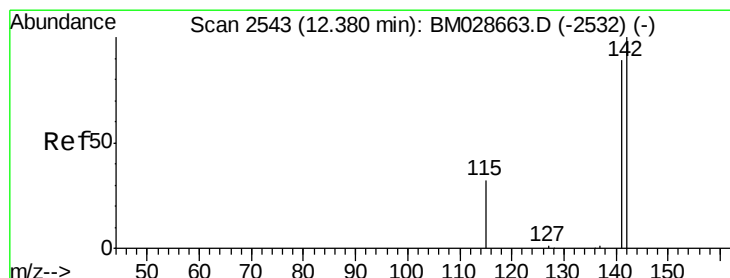
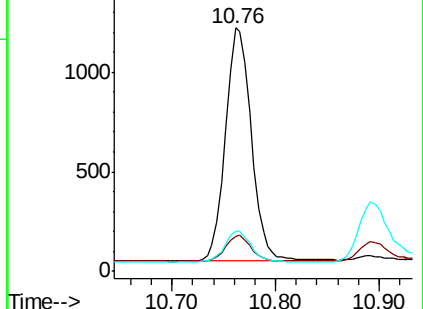
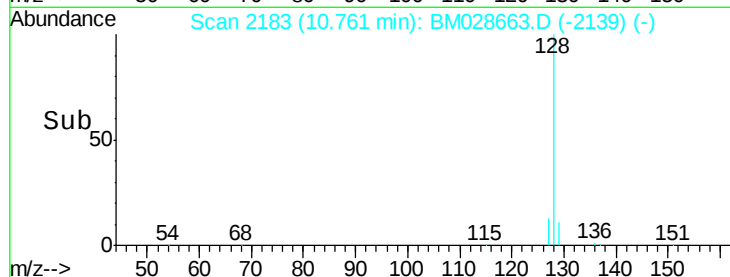
127 16.3 13.0 19.6



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: 0.337 ng/ul

RT: 12.38 min Scan# 2543

Delta R.T. 0.00 min

Lab File: BM028663.D

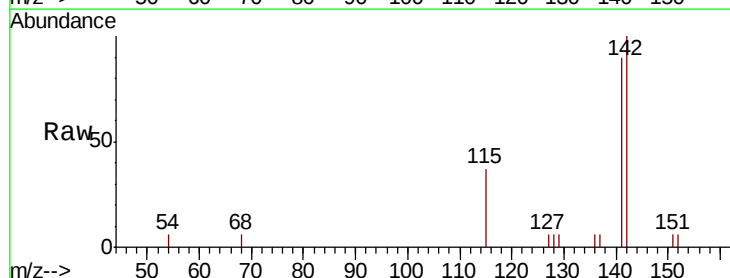
Acq: 05 Feb 2021 14:26

Tgt Ion:142 Resp: 1336

Ion Ratio Lower Upper

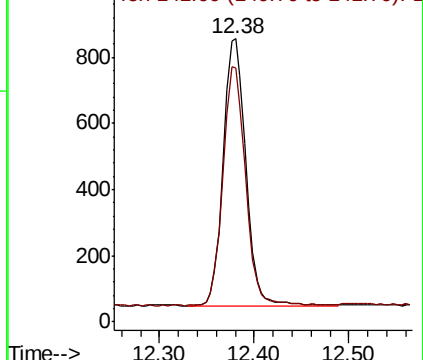
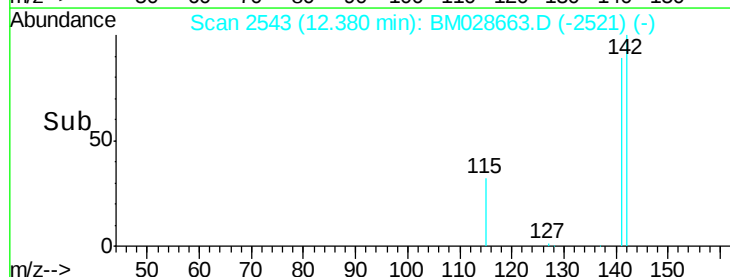
142 100

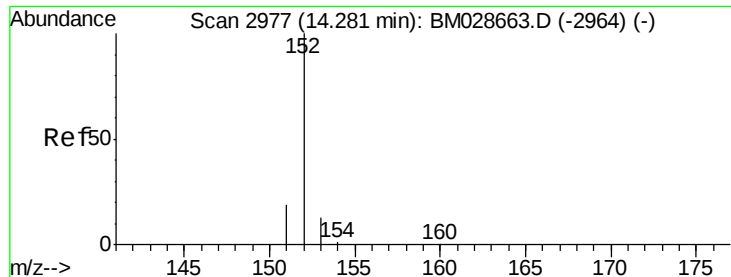
141 90.3 72.2 108.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.350 ng/ul

RT: 14.28 min Scan# 2977

Delta R.T. 0.00 min

Lab File: BM028663.D

Acq: 05 Feb 2021 14:26

Instrument :

BNA_M

ClientSampleId :

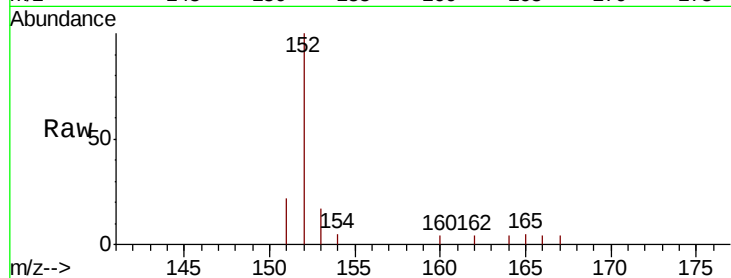
Tot Ion:152 Resp: 1696

Ion Ratio Lower Upper

152 100

151 22.5 18.0 27.0

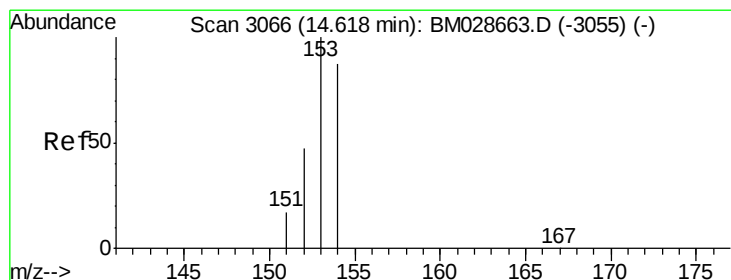
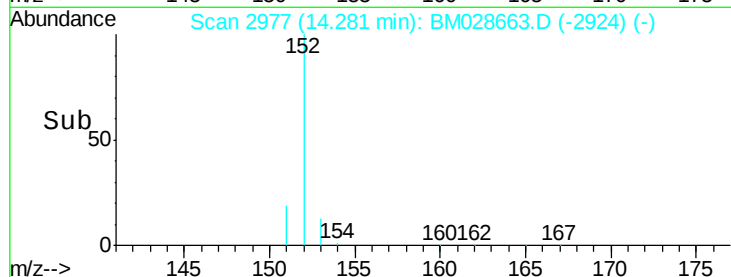
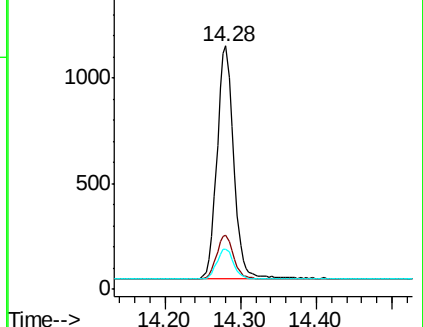
153 16.7 13.4 20.0



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: 0.365 ng/ul

RT: 14.62 min Scan# 3066

Delta R.T. 0.00 min

Lab File: BM028663.D

Acq: 05 Feb 2021 14:26

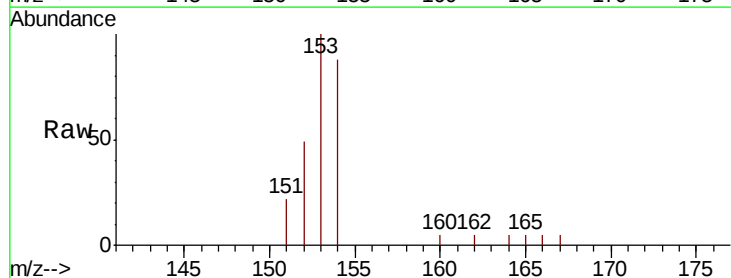
Tgt Ion:153 Resp: 1327

Ion Ratio Lower Upper

153 100

152 49.5 39.6 59.4

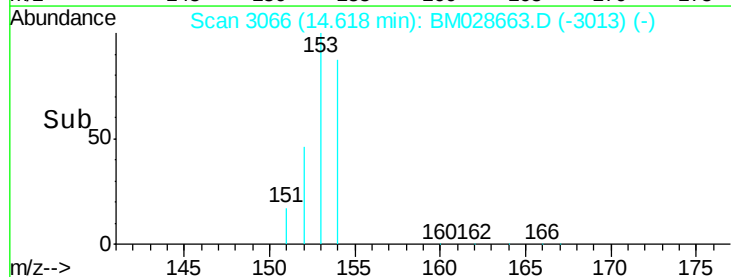
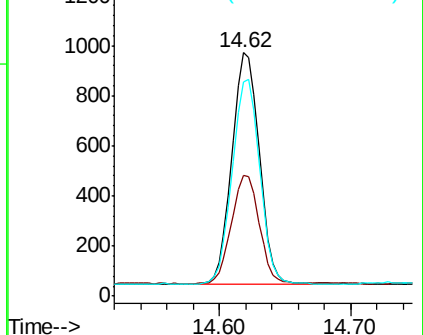
154 87.9 70.3 105.5

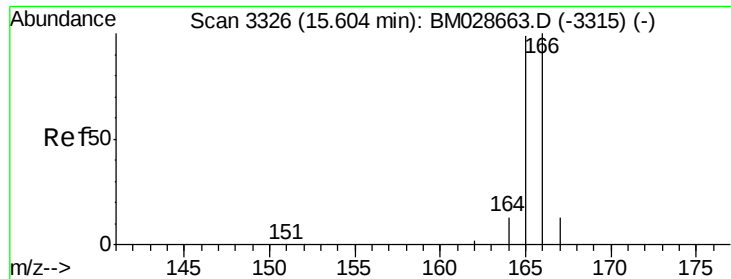


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

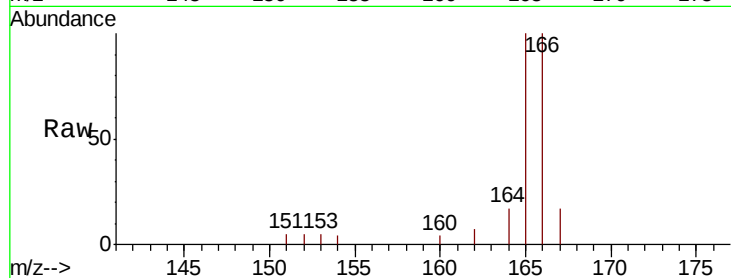




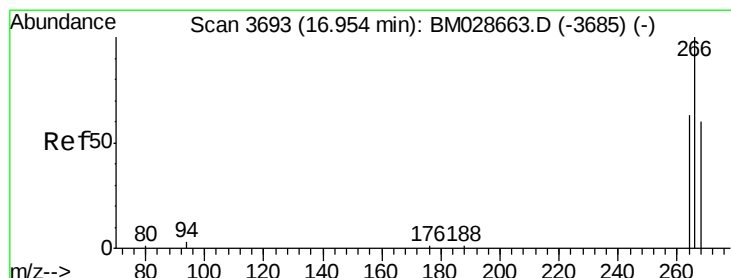
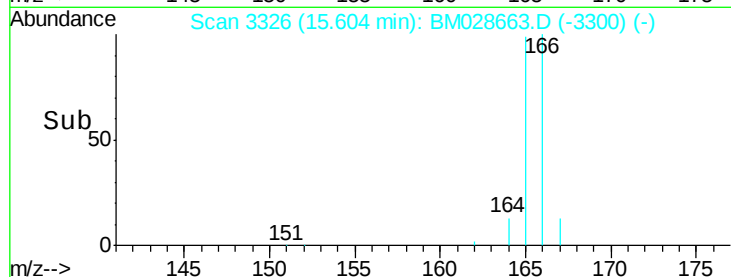
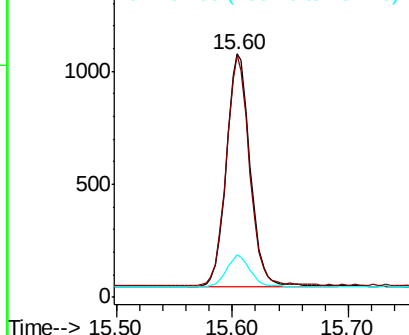
#9
Fluorene
 Concen: 0.348 ng/ul
 RT: 15.60 min Scan# 3326
 Delta R.T. 0.00 min
 Lab File: BM028663.D
 Acq: 05 Feb 2021 14:26

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:166 Resp: 1466
 Ion Ratio Lower Upper
 166 100
 165 99.5 79.6 119.4
 167 17.4 13.9 20.9

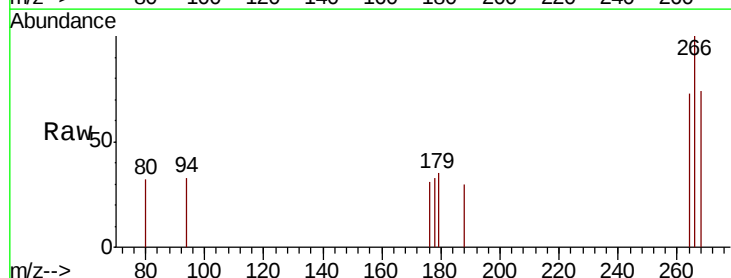


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

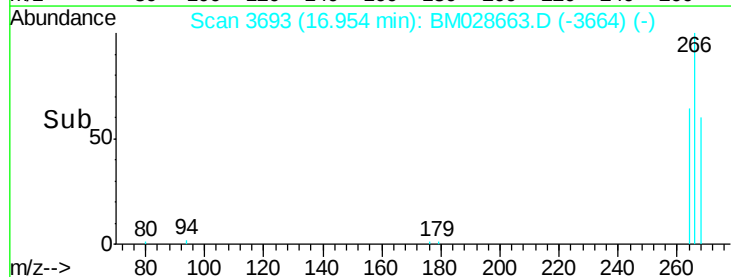
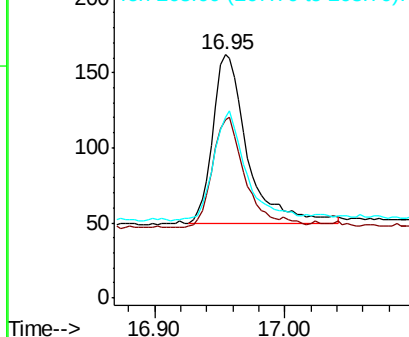


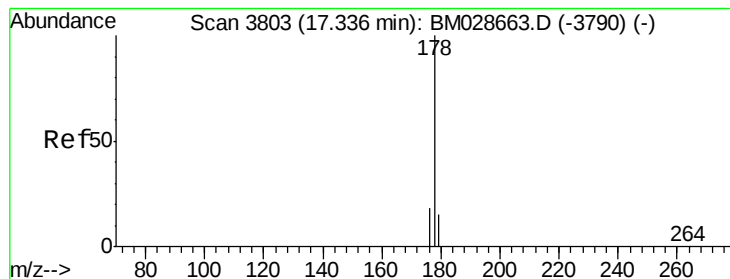
#11
Pentachlorophenol
 Concen: 0.312 ng/ul
 RT: 16.95 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: BM028663.D
 Acq: 05 Feb 2021 14:26

Tgt Ion:266 Resp: 205
 Ion Ratio Lower Upper
 266 100
 264 62.4 51.0 76.4
 268 66.3 53.0 79.4



Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.366 ng/ul

RT: 17.34 min Scan# 3803

Delta R.T. 0.00 min

Lab File: BM028663.D

Acq: 05 Feb 2021 14:26

Instrument :

BNA_M

ClientSampleId :

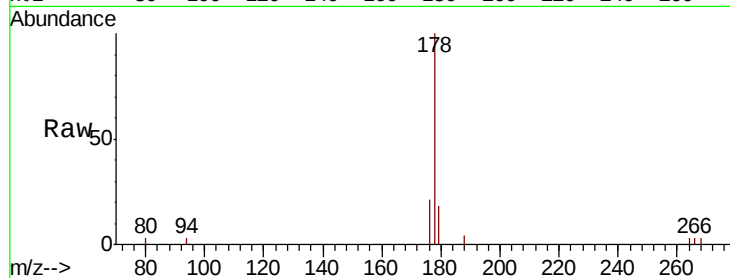
Tot Ion:178 Resp: 2227

Ion Ratio Lower Upper

178 100

179 18.4 14.7 22.1

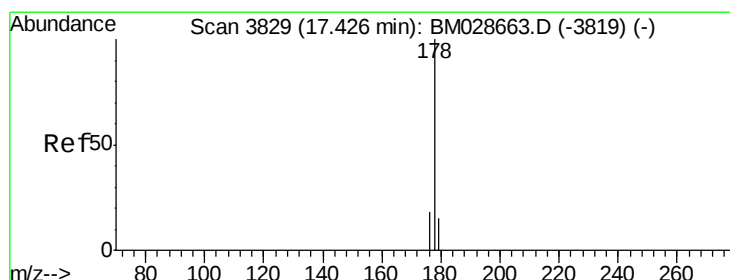
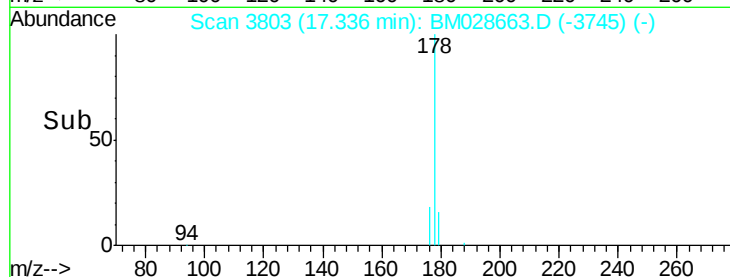
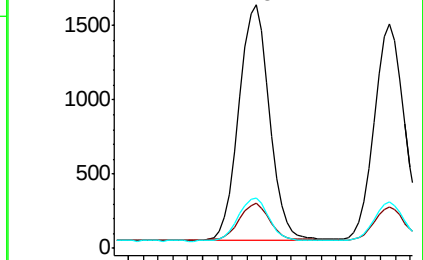
176 20.9 16.7 25.1



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



#13

Anthracene

Concen: 0.364 ng/ul

RT: 17.43 min Scan# 3829

Delta R.T. 0.00 min

Lab File: BM028663.D

Acq: 05 Feb 2021 14:26

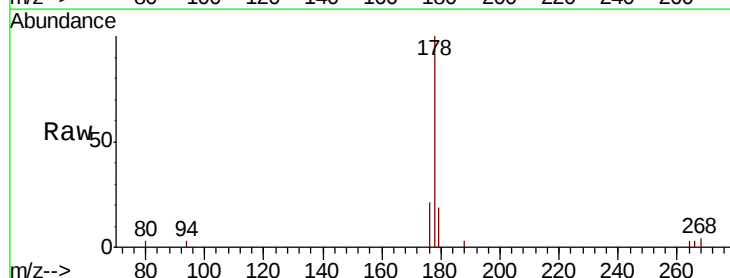
Tgt Ion:178 Resp: 2140

Ion Ratio Lower Upper

178 100

179 18.7 15.0 22.4

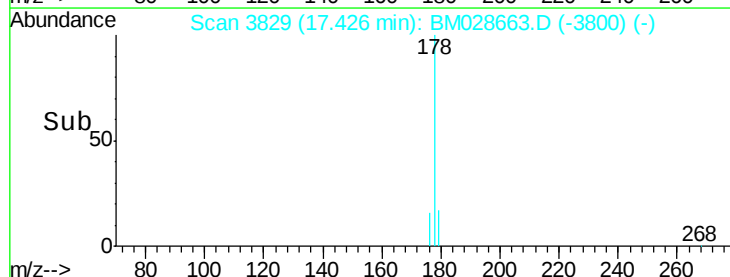
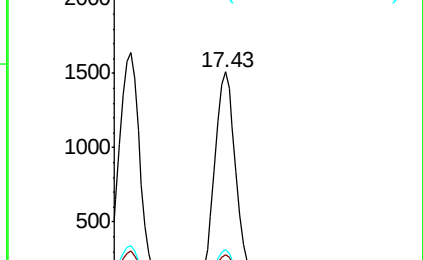
176 20.7 16.6 24.8

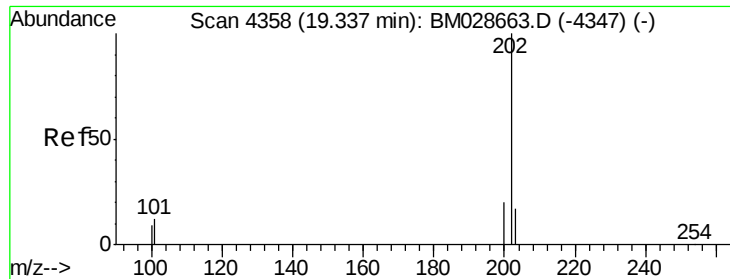


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

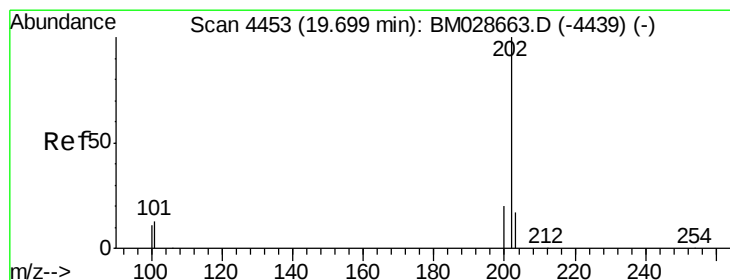
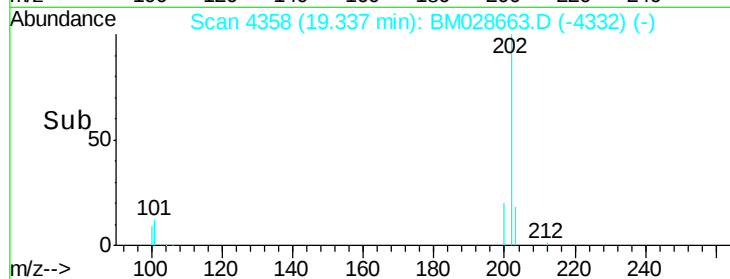
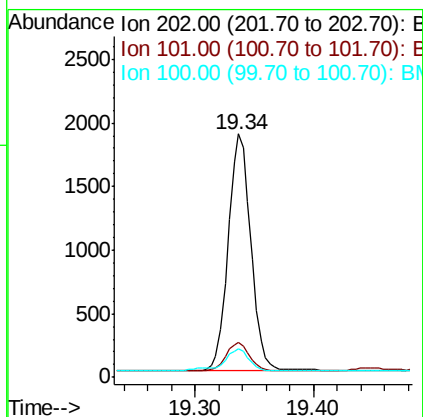
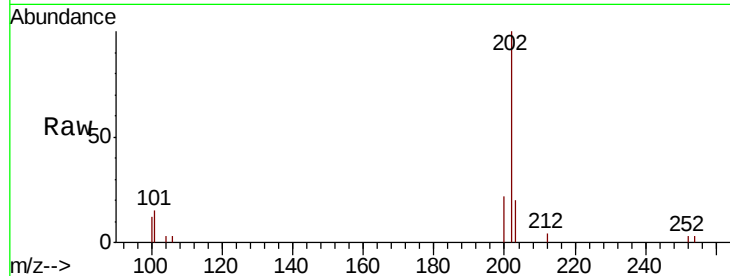




#15
Fluoranthene
 Concen: 0.366 ng/ul
 RT: 19.34 min Scan# 4358
 Delta R.T. 0.00 min
 Lab File: BM028663.D
 Acq: 05 Feb 2021 14:26

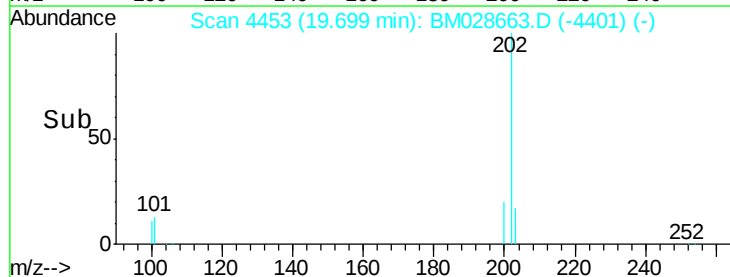
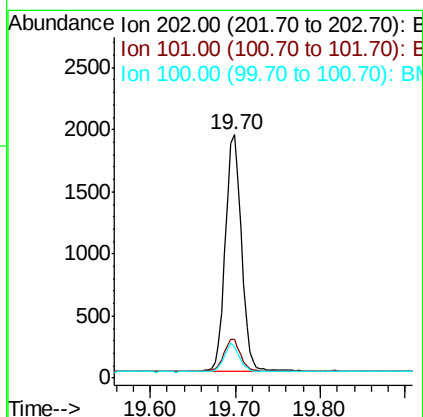
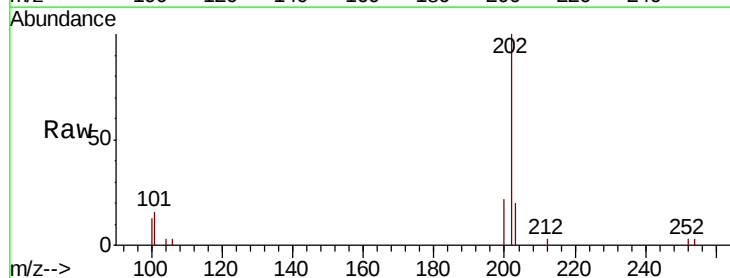
Instrument :
 BNA_M
 ClientSampleId :

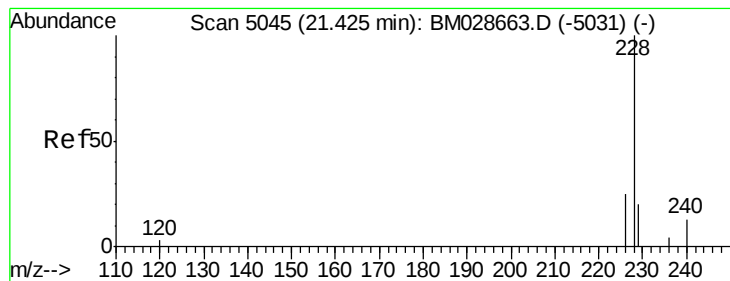
Tot Ion:202 Resp: 2470
 Ion Ratio Lower Upper
 202 100
 101 14.5 0.0 34.5
 100 11.7 0.0 31.7



#17
Pyrene
 Concen: 0.300 ng/ul
 RT: 19.70 min Scan# 4453
 Delta R.T. 0.00 min
 Lab File: BM028663.D
 Acq: 05 Feb 2021 14:26

Tgt Ion:202 Resp: 2568
 Ion Ratio Lower Upper
 202 100
 101 15.9 12.7 19.1
 100 12.8 10.2 15.4





#18

Benzo(a)anthracene

Concen: 0.349 ng/ul

RT: 21.43 min Scan# 5045

Delta R.T. 0.00 min

Lab File: BM028663.D

Acq: 05 Feb 2021 14:26

Instrument :

BNA_M

ClientSampled :

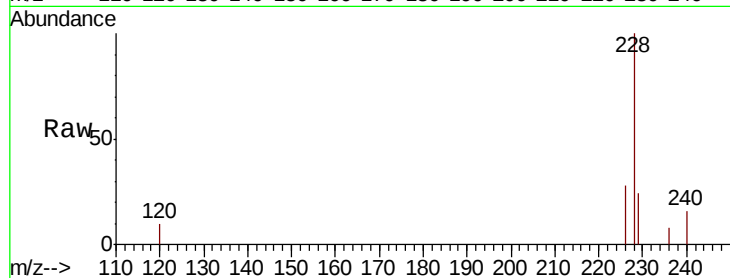
Tot Ion:228 Resp: 2373

Ion Ratio Lower Upper

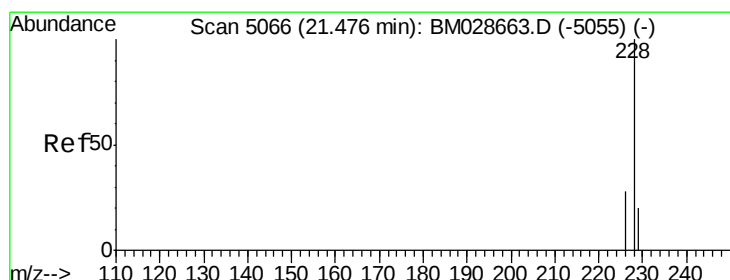
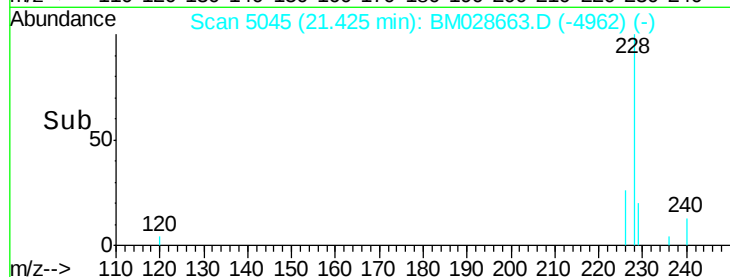
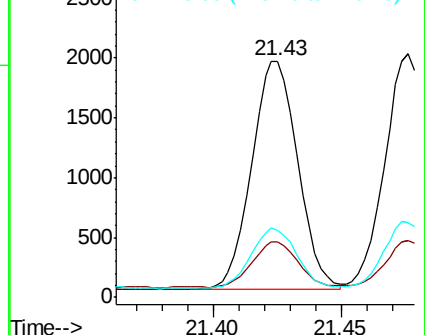
228 100

229 23.6 18.9 28.3

226 28.3 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: 0.357 ng/ul

RT: 21.48 min Scan# 5066

Delta R.T. 0.00 min

Lab File: BM028663.D

Acq: 05 Feb 2021 14:26

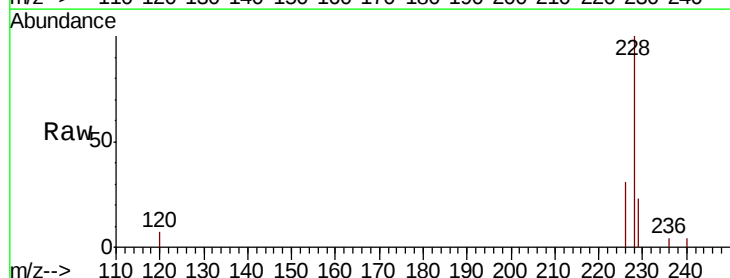
Tgt Ion:228 Resp: 2365

Ion Ratio Lower Upper

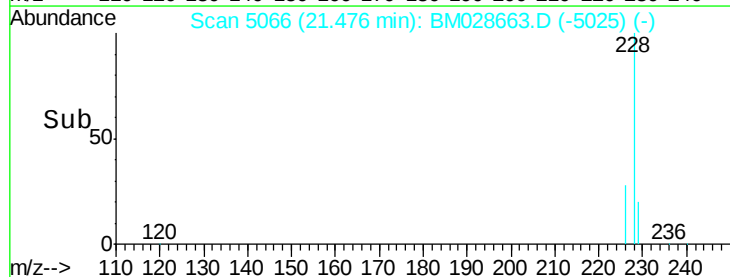
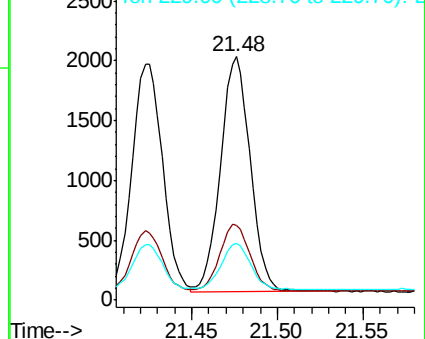
228 100

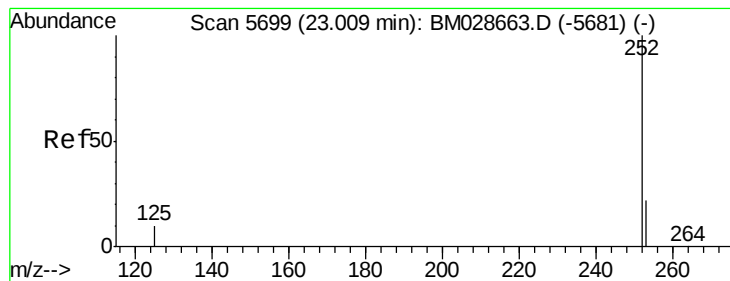
226 30.8 24.6 37.0

229 23.5 18.8 28.2



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: 0.333 ng/ul

RT: 23.01 min Scan# 5699

Delta R.T. 0.00 min

Lab File: BM028663.D

Acq: 05 Feb 2021 14:26

Instrument :

BNA_M

ClientSampleId :

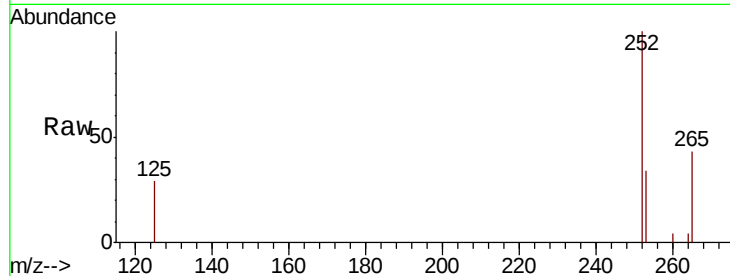
Tot Ion:252 Resp: 2482

Ion Ratio Lower Upper

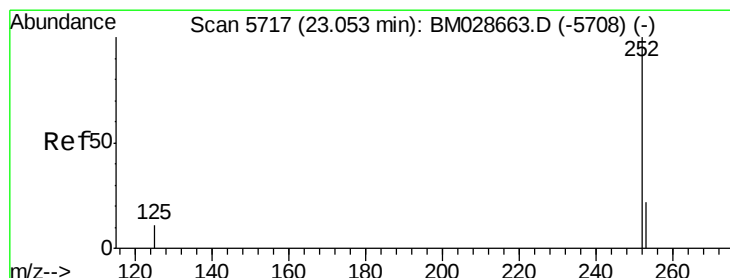
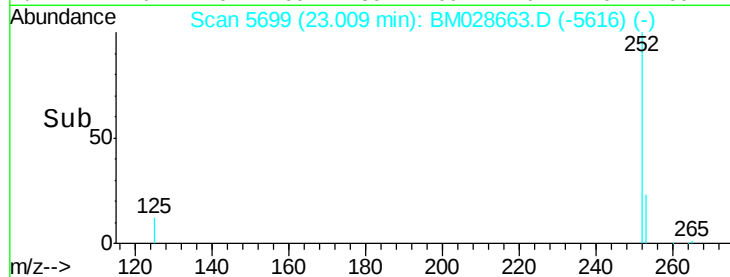
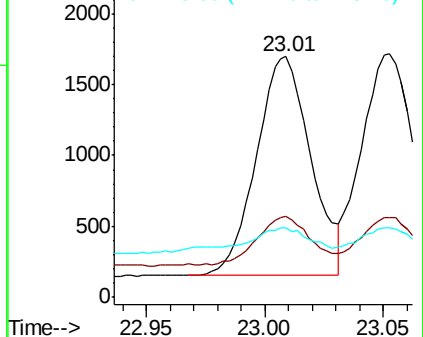
252 100

253 33.5 0.0 67.0

125 28.7 0.0 57.4



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: 0.338 ng/ul

RT: 23.05 min Scan# 5717

Delta R.T. 0.00 min

Lab File: BM028663.D

Acq: 05 Feb 2021 14:26

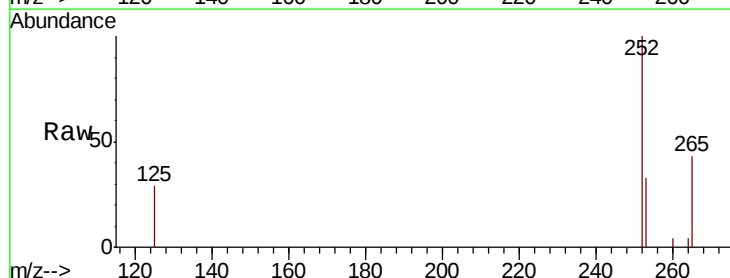
Tgt Ion:252 Resp: 2463

Ion Ratio Lower Upper

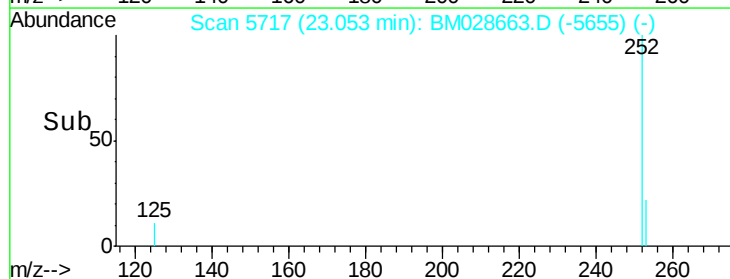
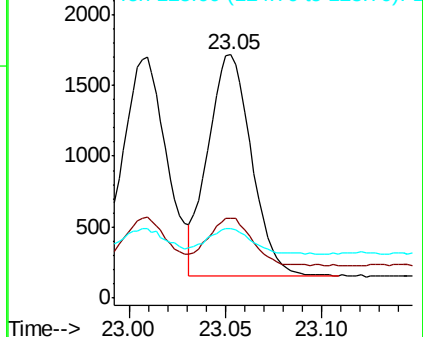
252 100

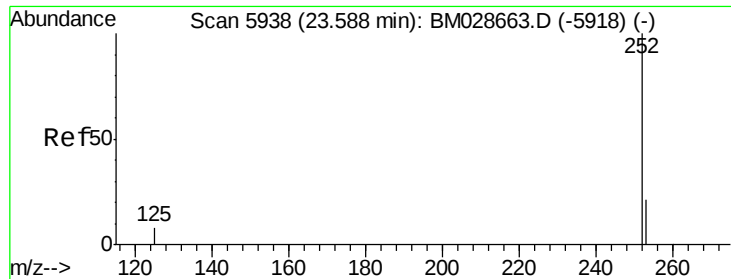
253 32.9 26.3 39.5

125 28.6 22.9 34.3



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





#23

Benzo(a)pyrene

Concen: 0.336 ng/ul

RT: 23.59 min Scan# 5938

Delta R.T. 0.00 min

Lab File: BM028663.D

Acq: 05 Feb 2021 14:26

Instrument :

BNA_M

ClientSampleId :

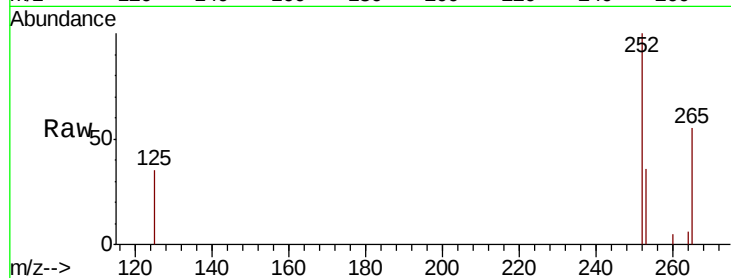
Tot Ion:252 Resp: 2185

Ion Ratio Lower Upper

252 100

253 35.9 28.7 43.1

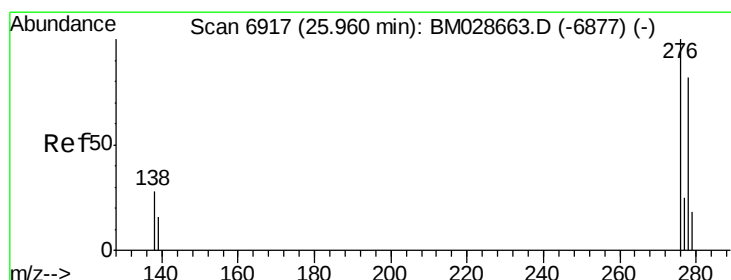
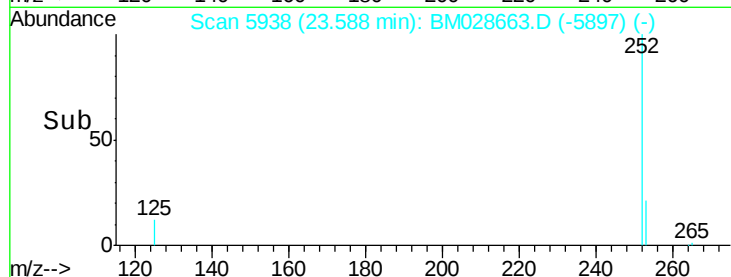
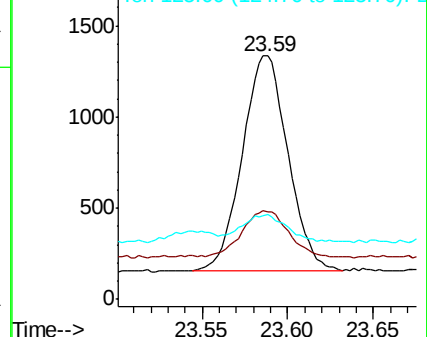
125 34.9 27.9 41.9



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: 0.411 ng/ul

RT: 25.96 min Scan# 6917

Delta R.T. 0.00 min

Lab File: BM028663.D

Acq: 05 Feb 2021 14:26

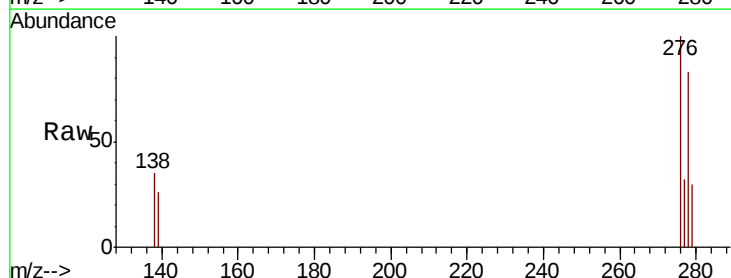
Tgt Ion:276 Resp: 2900

Ion Ratio Lower Upper

276 100

138 28.8 0.0 0.0#

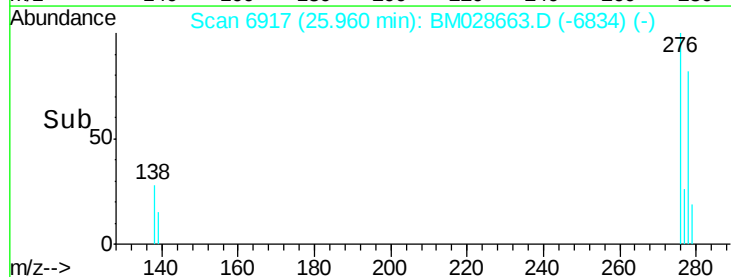
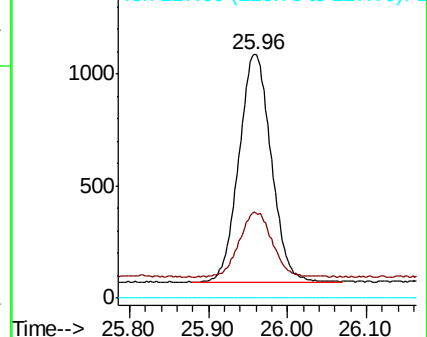
227 0.0 0.0 0.0

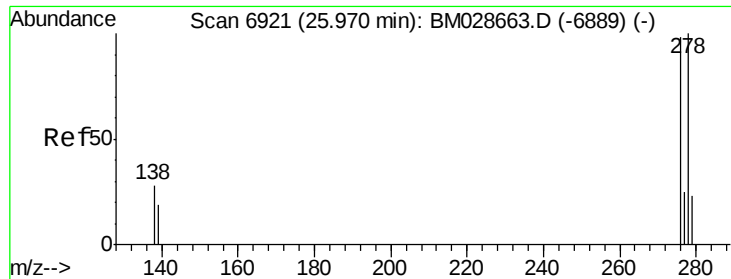


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

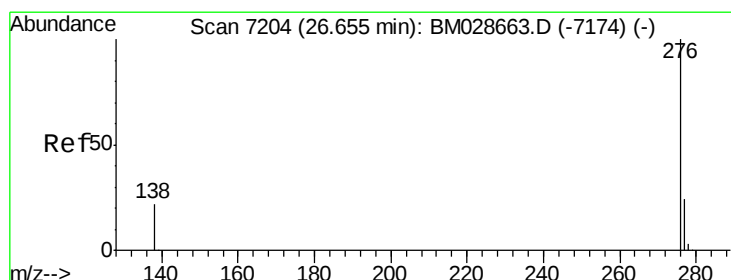
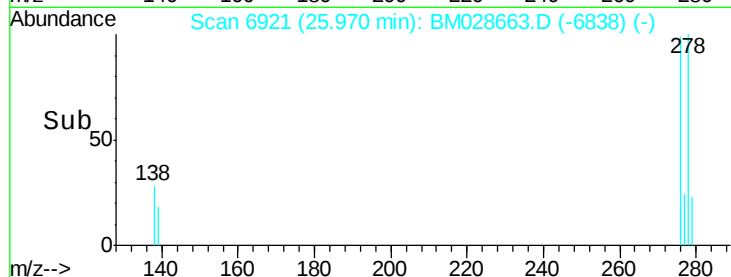
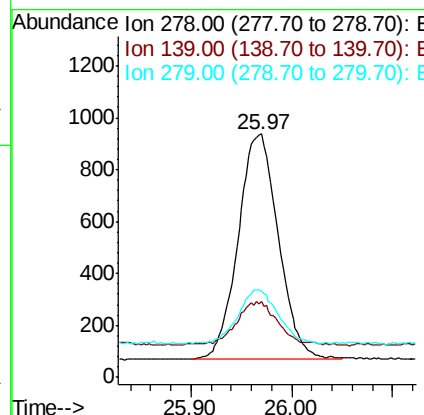
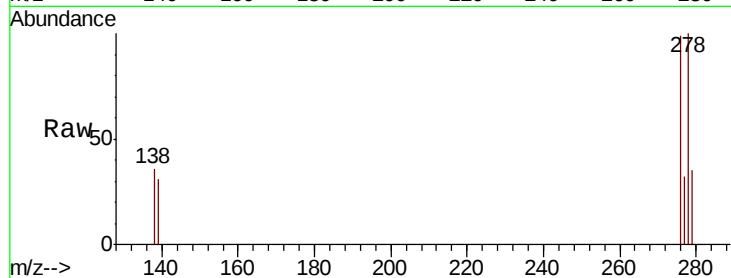




#25
Dibenzo(a,h)anthracene
Concen: 0.408 ng/ul
RT: 25.97 min Scan# 6921
Delta R.T. 0.00 min
Lab File: BM028663.D
Acq: 05 Feb 2021 14:26

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 2395
Ion Ratio Lower Upper
278 100
139 31.1 24.9 37.3
279 35.4 28.3 42.5



#26
Benzo(g,h,i)perylene
Concen: 0.411 ng/ul
RT: 26.66 min Scan# 7204
Delta R.T. 0.00 min
Lab File: BM028663.D
Acq: 05 Feb 2021 14:26

Tgt Ion:276 Resp: 2433
Ion Ratio Lower Upper
276 100
138 31.8 25.4 38.2
277 31.6 25.3 37.9

