

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020521\
 Data File : BM028667.D
 Acq On : 05 Feb 2021 16:58
 Operator : CG/JU
 Sample : SSTD3.279
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 05 17:33:21 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

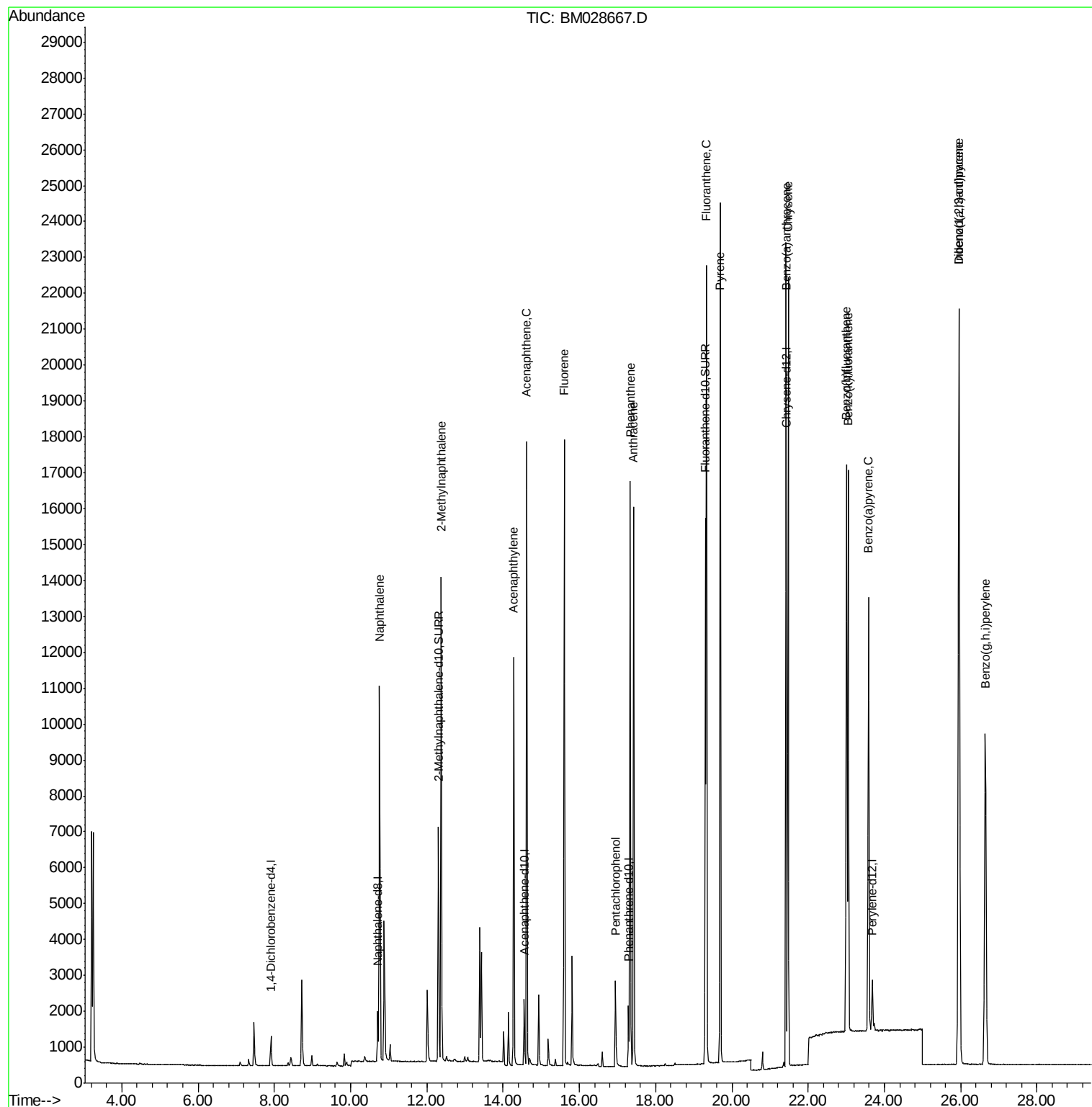
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	461	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	1859	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.56	164	993	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.29	188	1942	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1787	0.40	ng/ul	0.00
20) Perylene-d12	23.68	264	1805	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.30	152	8241	2.63	ng/ul	0.00
14) Fluoranthene-d10	19.31	212	15600	3.01	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.76	128	14086	2.528	ng/ul#	93
5) 2-Methylnaphthalene	12.38	142	9556	2.521	ng/ul	98
7) Acenaphthylene	14.28	152	12669	2.614	ng/ul	94
8) Acenaphthene	14.62	153	9617	2.649	ng/ul	98
9) Fluorene	15.60	166	10881	2.583	ng/ul	96
11) Pentachlorophenol	16.95	266	1719	2.599	ng/ul	98
12) Phenanthrene	17.33	178	16532	2.695	ng/ul	94
13) Anthracene	17.42	178	16303	2.755	ng/ul	94
15) Fluoranthene	19.34	202	18673	2.745	ng/ul	92
17) Pyrene	19.69	202	19098	2.104	ng/ul	95
18) Benzo(a)anthracene	21.42	228	18025	2.500	ng/ul	95
19) Chrysene	21.47	228	17850	2.542	ng/ul	95
21) Benzo(b)fluoranthene	23.00	252	18754	2.472	ng/ul	77
22) Benzo(k)fluoranthene	23.05	252	18595	2.503	ng/ul#	77
23) Benzo(a)pyrene	23.58	252	16632	2.508	ng/ul#	72
24) Indeno(1,2,3-cd)pyrene	25.95	276	21608	3.009	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.96	278	18109	3.029	ng/ul#	81
26) Benzo(g,h,i)perylene	26.65	276	18106	3.005	ng/ul#	88

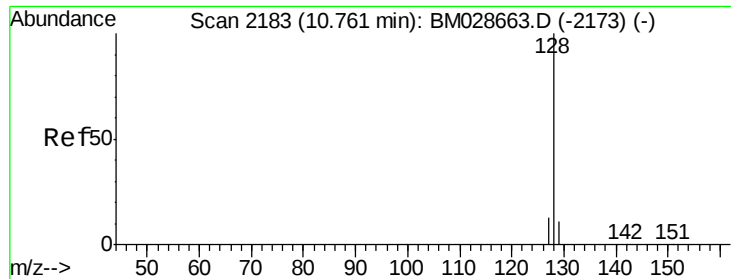
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 2.528 ng/ul

RT: 10.76 min Scan# 2183

Delta R.T. -0.00 min

Lab File: BM028667.D

Acq: 05 Feb 2021 16:58

Instrument :

BNA_M

ClientSampled :

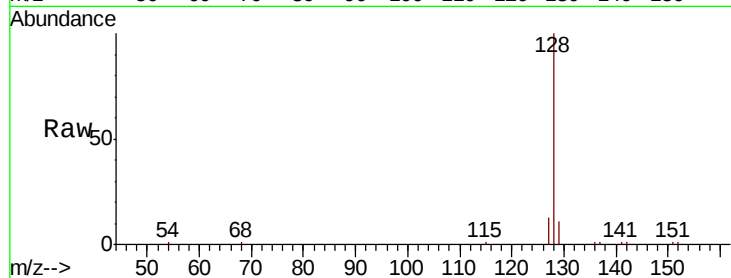
Tot Ion:128 Resp: 14086

Ion Ratio Lower Upper

128 100

129 11.4 11.4 17.2#

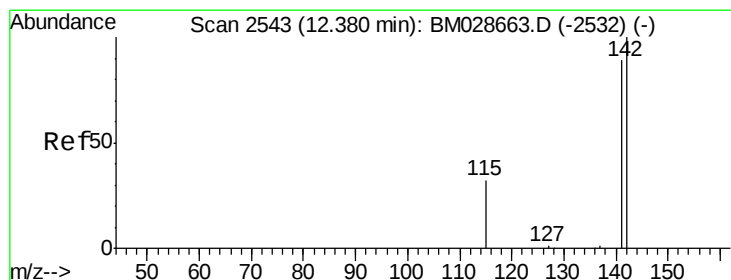
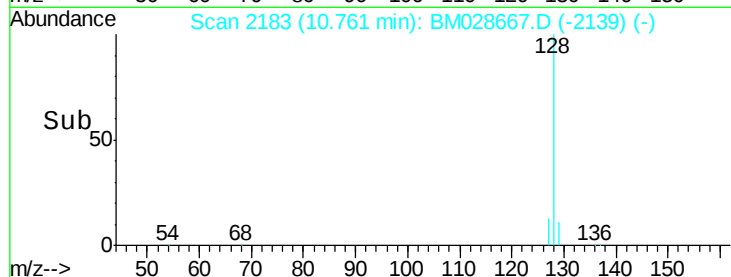
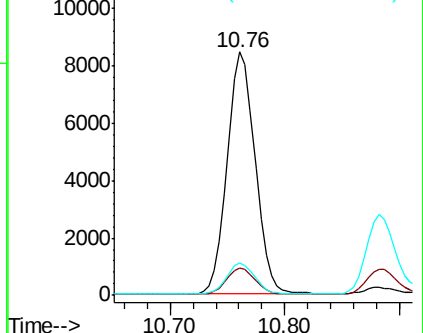
127 13.5 13.0 19.6



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: 2.521 ng/ul

RT: 12.38 min Scan# 2542

Delta R.T. -0.00 min

Lab File: BM028667.D

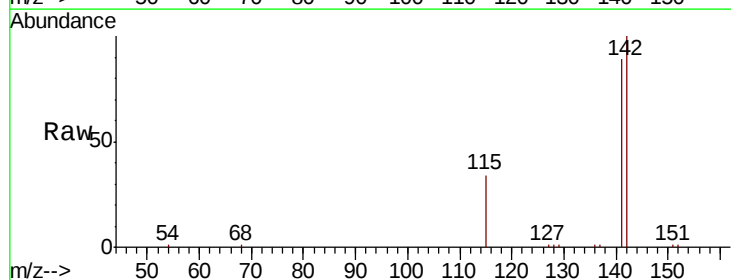
Acq: 05 Feb 2021 16:58

Tgt Ion:142 Resp: 9556

Ion Ratio Lower Upper

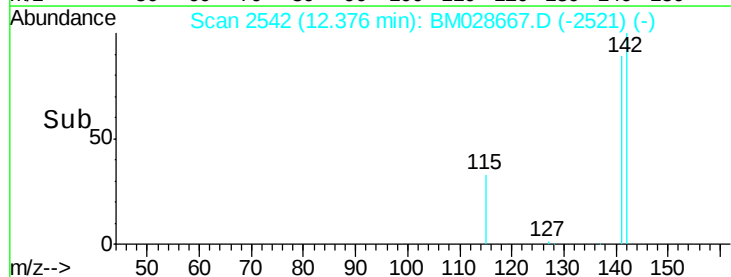
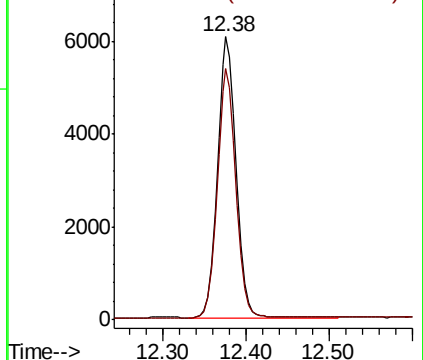
142 100

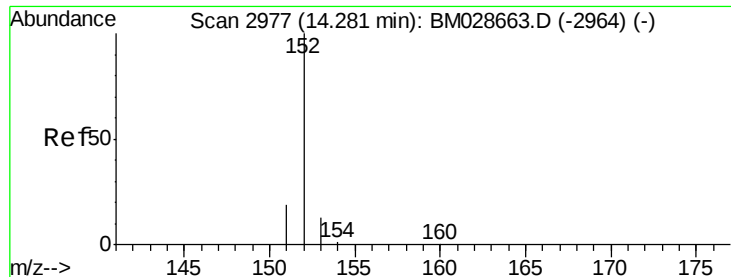
141 88.7 72.2 108.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 2.614 ng/ul

RT: 14.28 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BM028667.D

Acq: 05 Feb 2021 16:58

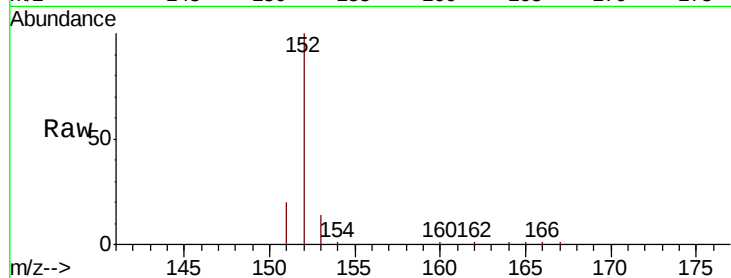
Instrument :

BNA_M

ClientSampleId :

Tot Ion:152 Resp: 12669

Ion	Ratio	Lower	Upper
152	100		
151	19.9	18.0	27.0
153	13.6	13.4	20.0

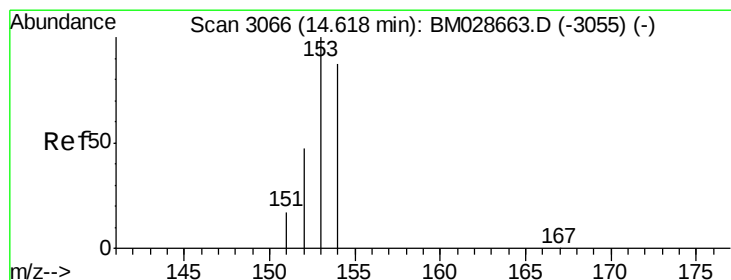
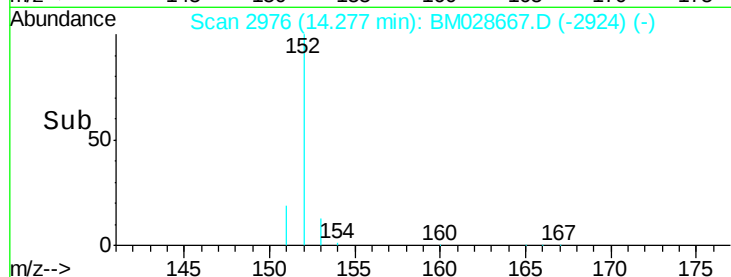
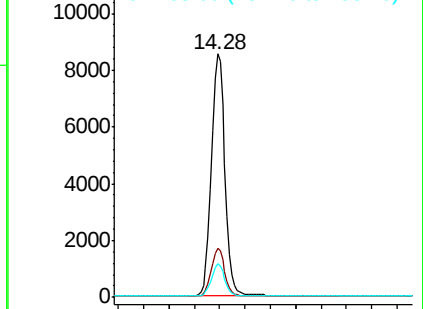


Abundance

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: 2.649 ng/ul

RT: 14.62 min Scan# 3066

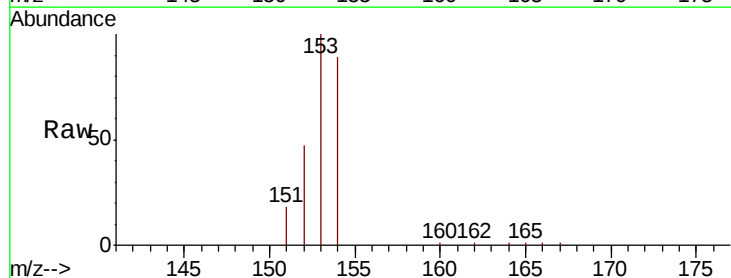
Delta R.T. -0.00 min

Lab File: BM028667.D

Acq: 05 Feb 2021 16:58

Tgt Ion:153 Resp: 9617

Ion	Ratio	Lower	Upper
153	100		
152	47.1	39.6	59.4
154	89.2	70.3	105.5

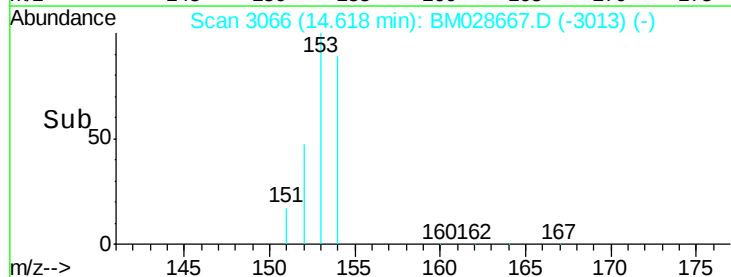
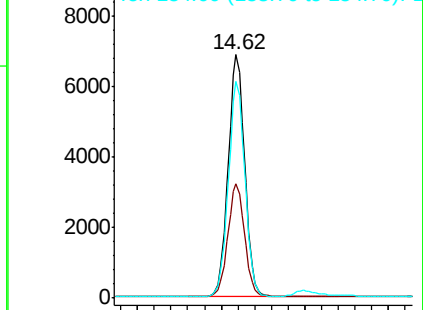


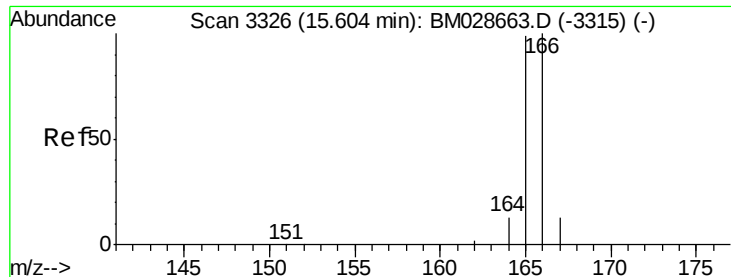
Abundance

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: 2.583 ng/ul

RT: 15.60 min Scan# 3326

Delta R.T. -0.00 min

Lab File: BM028667.D

Acq: 05 Feb 2021 16:58

Instrument :

BNA_M

ClientSampleId :

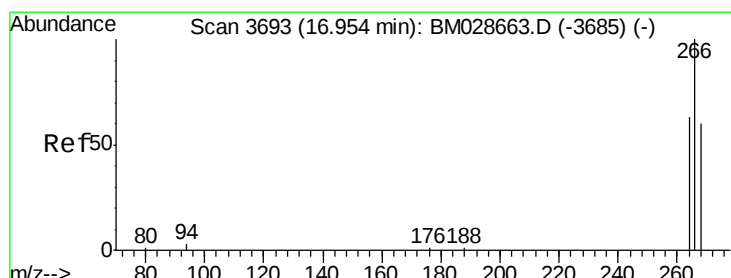
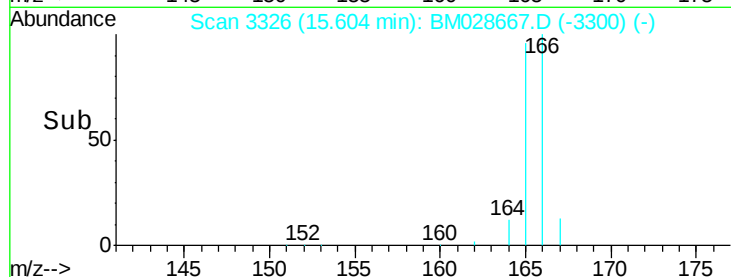
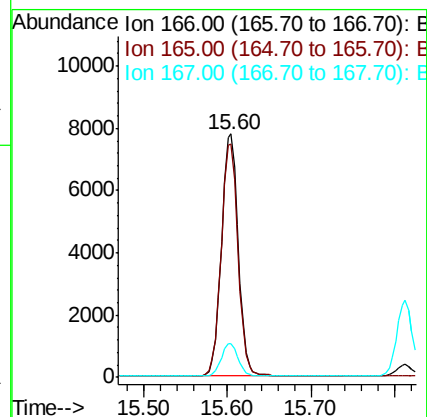
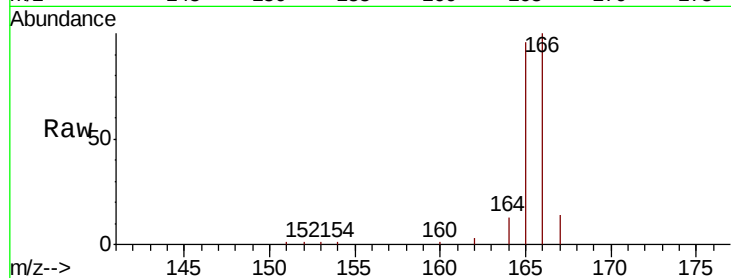
Tot Ion:166 Resp: 10881

Ion Ratio Lower Upper

166 100

165 95.9 79.6 119.4

167 13.9 13.9 20.9



#11

Pentachlorophenol

Concen: 2.599 ng/ul

RT: 16.95 min Scan# 3691

Delta R.T. -0.01 min

Lab File: BM028667.D

Acq: 05 Feb 2021 16:58

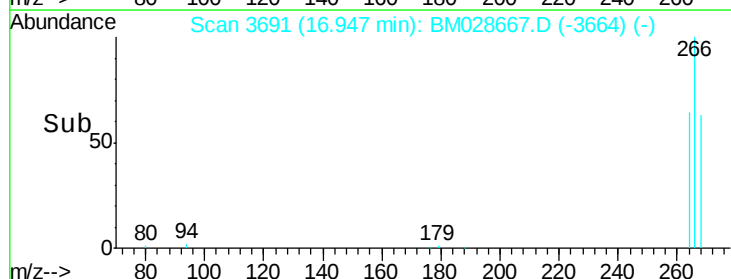
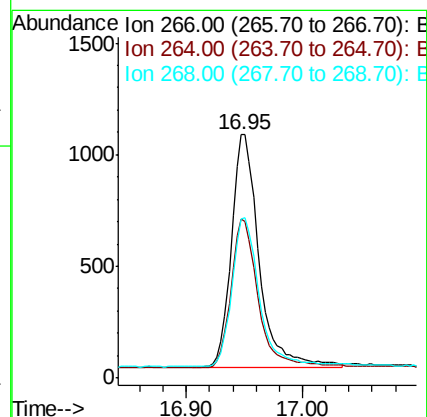
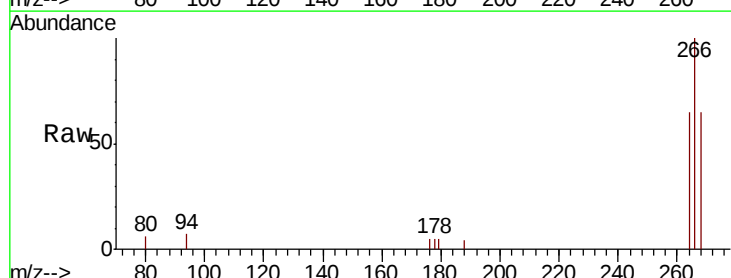
Tgt Ion:266 Resp: 1719

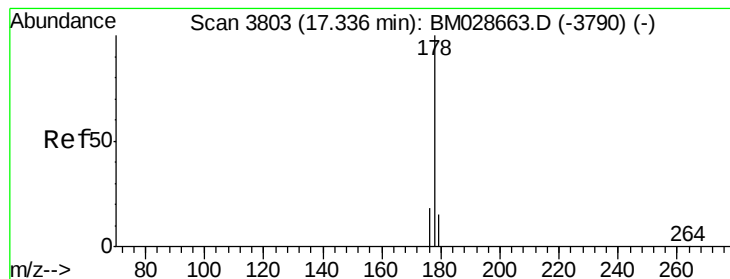
Ion Ratio Lower Upper

266 100

264 63.1 51.0 76.4

268 63.9 53.0 79.4





#12

Phenanthrene

Concen: 2.695 ng/ul

RT: 17.33 min Scan# 3802

Delta R.T. -0.00 min

Lab File: BM028667.D

Acq: 05 Feb 2021 16:58

Instrument :

BNA_M

ClientSampleId :

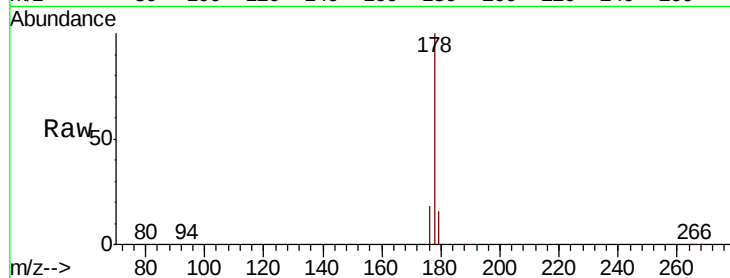
Tot Ion:178 Resp: 16532

Ion Ratio Lower Upper

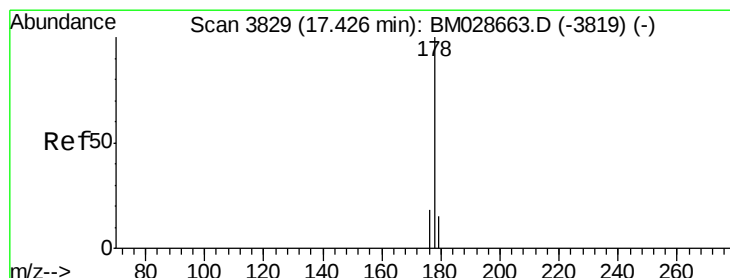
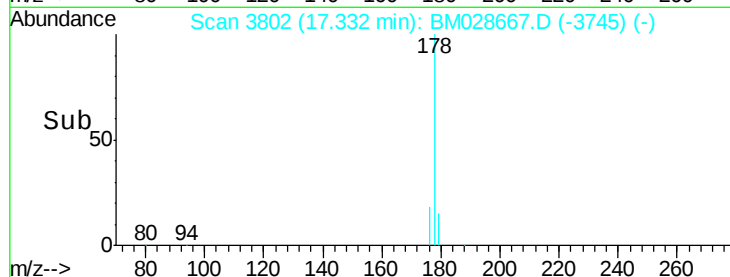
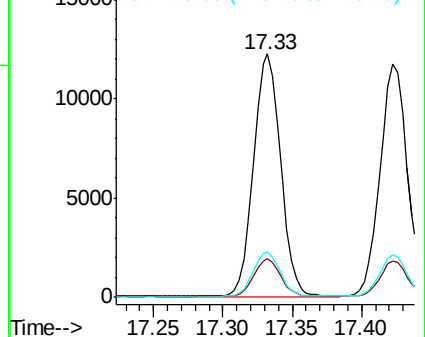
178 100

179 15.7 14.7 22.1

176 18.5 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: 2.755 ng/ul

RT: 17.42 min Scan# 3828

Delta R.T. -0.00 min

Lab File: BM028667.D

Acq: 05 Feb 2021 16:58

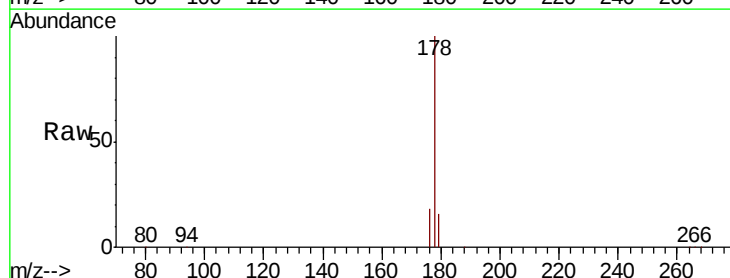
Tgt Ion:178 Resp: 16303

Ion Ratio Lower Upper

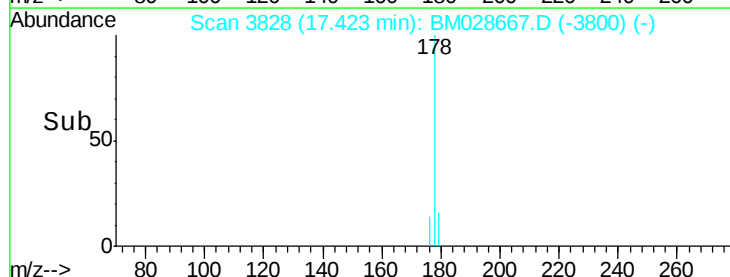
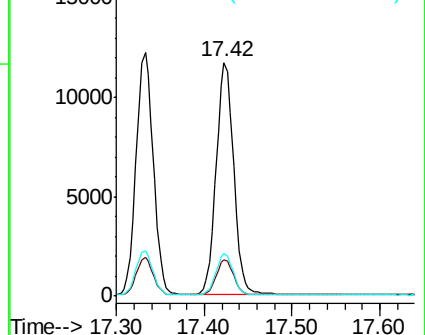
178 100

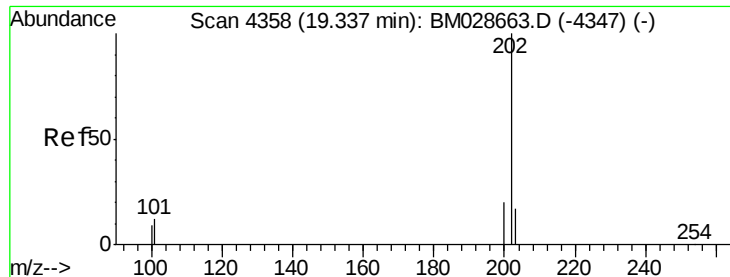
179 15.6 15.0 22.4

176 18.1 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: 2.745 ng/ul

RT: 19.34 min Scan# 4358

Delta R.T. -0.00 min

Lab File: BM028667.D

Acq: 05 Feb 2021 16:58

Instrument :

BNA_M

ClientSampleId :

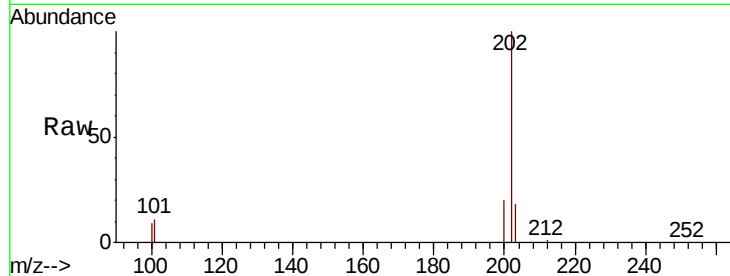
Tot Ion:202 Resp: 18673

Ion Ratio Lower Upper

202 100

101 11.3 0.0 34.5

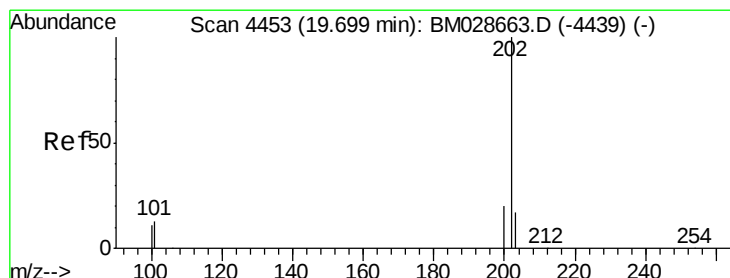
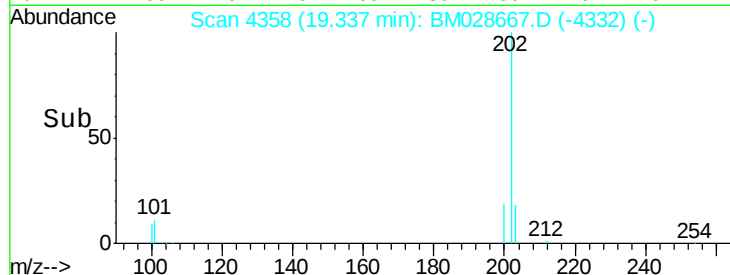
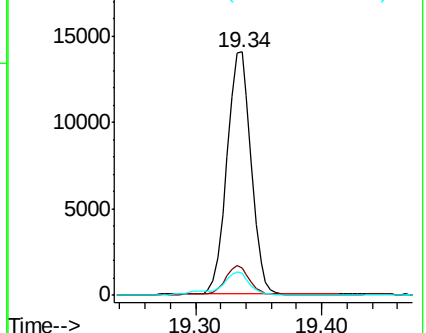
100 8.9 0.0 31.7



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: 2.104 ng/ul

RT: 19.69 min Scan# 4452

Delta R.T. -0.00 min

Lab File: BM028667.D

Acq: 05 Feb 2021 16:58

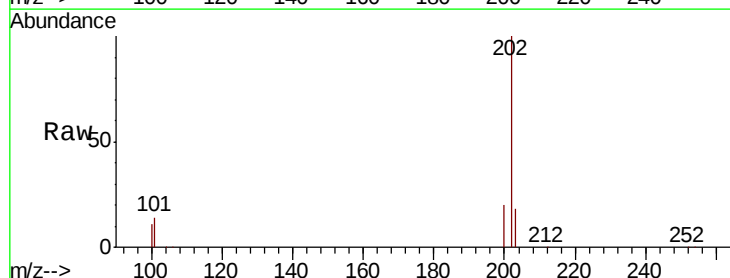
Tgt Ion:202 Resp: 19098

Ion Ratio Lower Upper

202 100

101 13.7 12.7 19.1

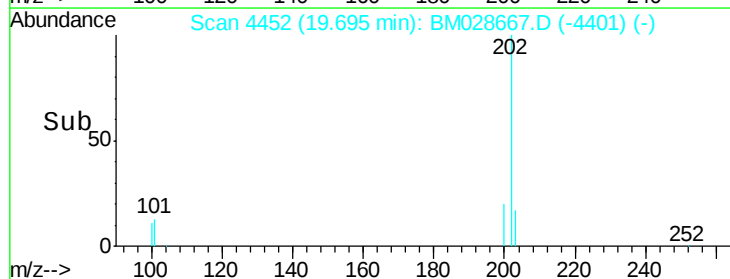
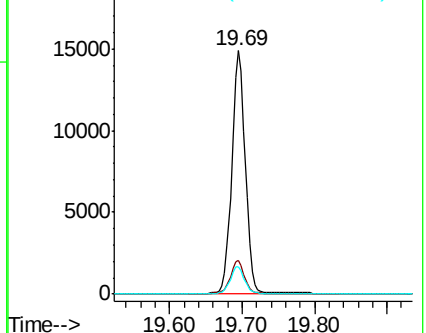
100 11.3 10.2 15.4

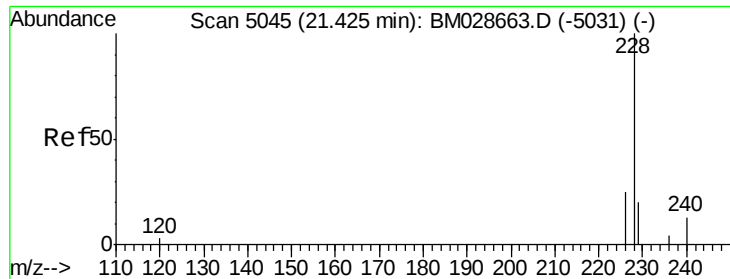


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 2.500 ng/ul

RT: 21.42 min Scan# 5043

Delta R.T. -0.00 min

Lab File: BM028667.D

Acq: 05 Feb 2021 16:58

Instrument :

BNA_M

ClientSampleId :

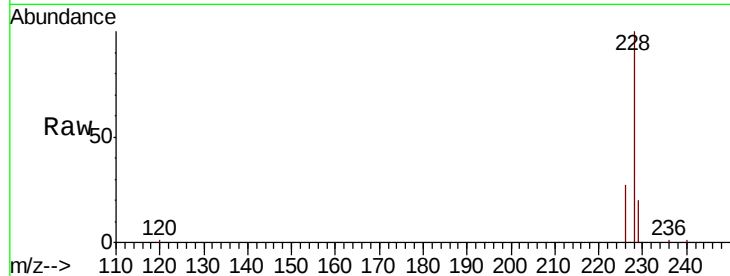
Tot Ion:228 Resp: 18025

Ion Ratio Lower Upper

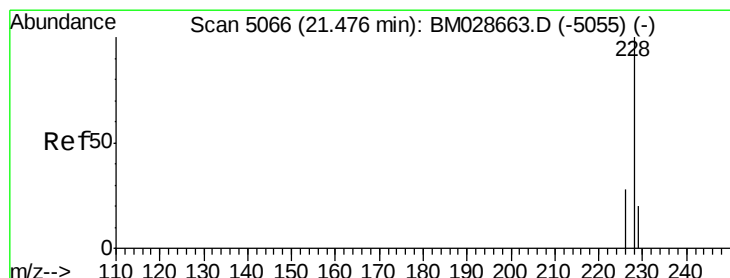
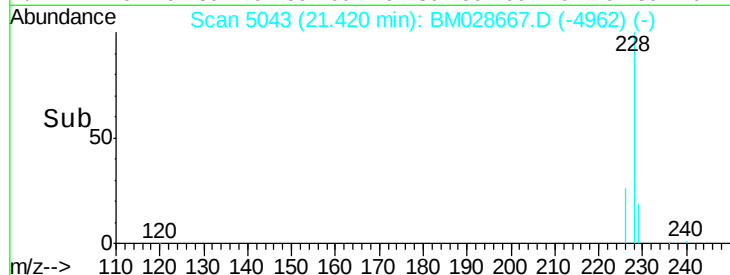
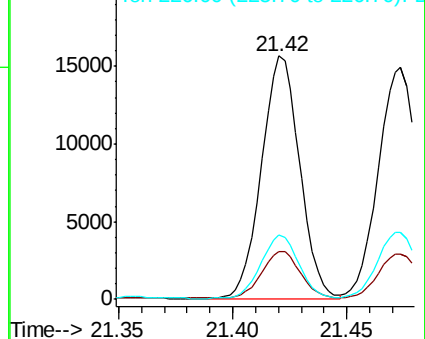
228 100

229 19.7 18.9 28.3

226 26.6 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: 2.542 ng/ul

RT: 21.47 min Scan# 5065

Delta R.T. -0.00 min

Lab File: BM028667.D

Acq: 05 Feb 2021 16:58

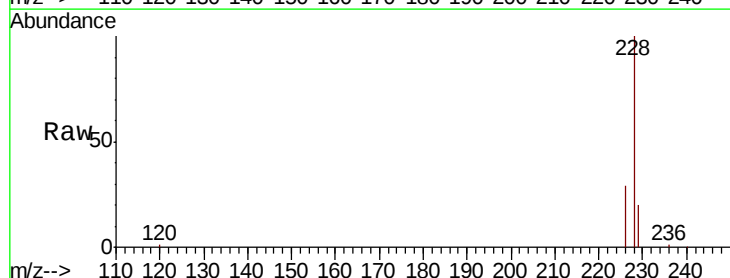
Tgt Ion:228 Resp: 17850

Ion Ratio Lower Upper

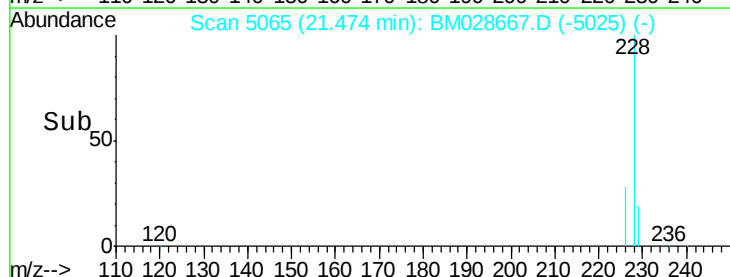
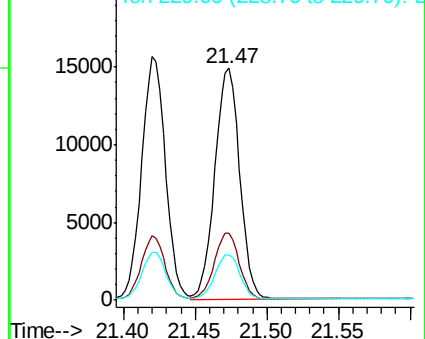
228 100

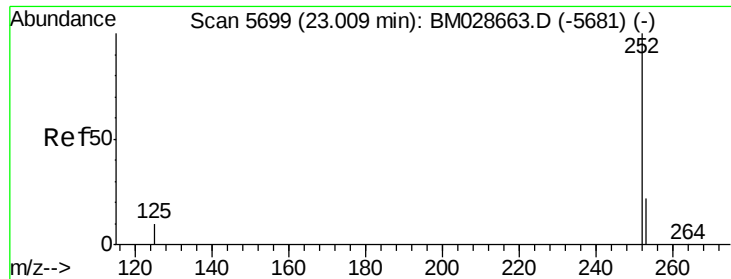
226 28.8 24.6 37.0

229 19.7 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: 2.472 ng/ul

RT: 23.00 min Scan# 5697

Delta R.T. -0.00 min

Lab File: BM028667.D

Acq: 05 Feb 2021 16:58

Instrument :

BNA_M

ClientSampleId :

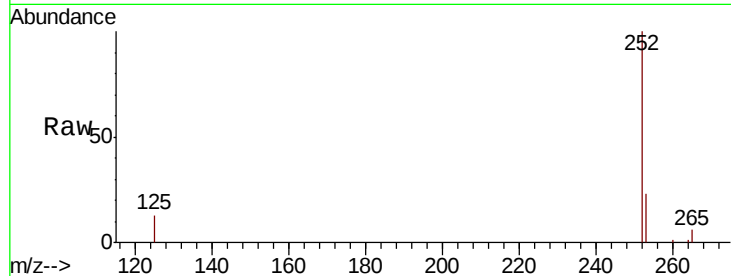
Tot Ion:252 Resp: 18754

Ion Ratio Lower Upper

252 100

253 23.5 0.0 67.0

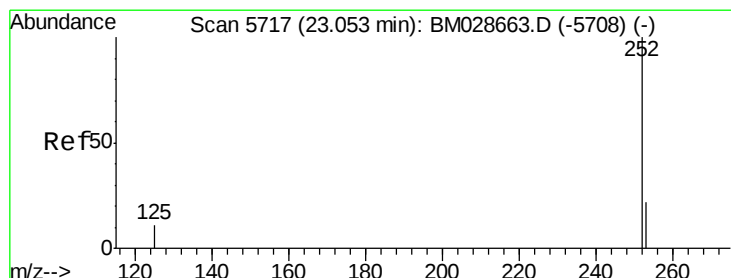
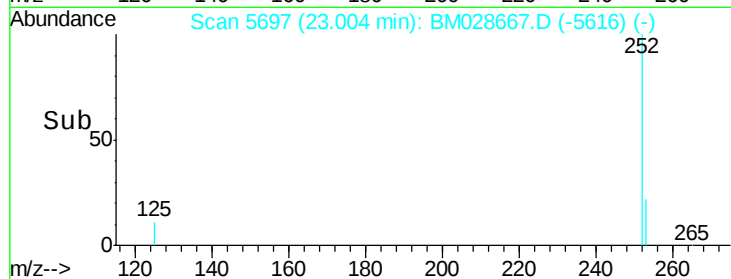
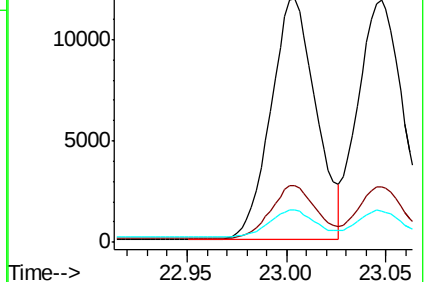
125 13.2 0.0 57.4



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: 2.503 ng/ul

RT: 23.05 min Scan# 5715

Delta R.T. -0.00 min

Lab File: BM028667.D

Acq: 05 Feb 2021 16:58

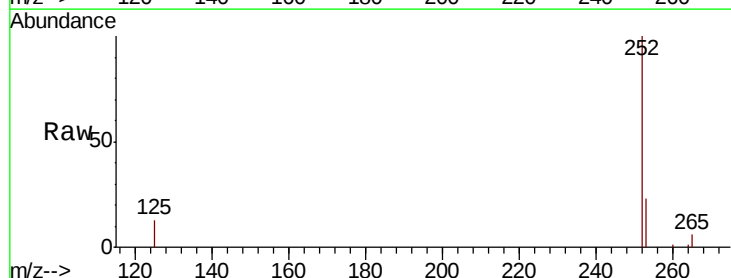
Tgt Ion:252 Resp: 18595

Ion Ratio Lower Upper

252 100

253 23.2 26.3 39.5#

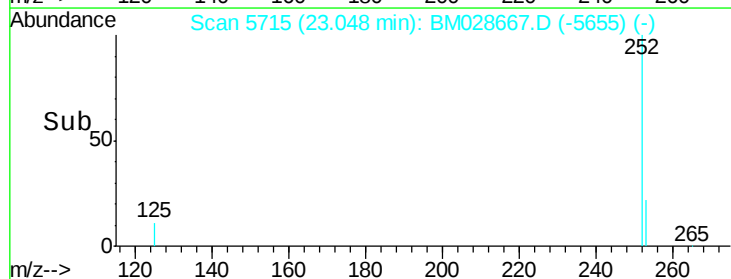
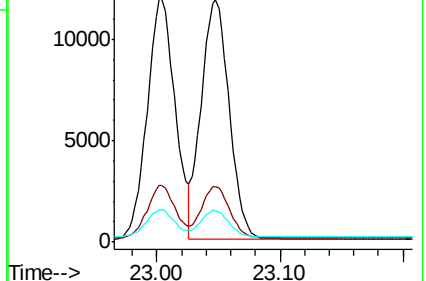
125 13.1 22.9 34.3#

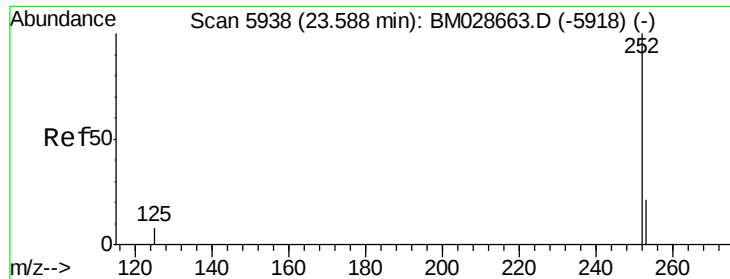


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 2.508 ng/ul

RT: 23.58 min Scan# 5935

Delta R.T. -0.01 min

Lab File: BM028667.D

Acq: 05 Feb 2021 16:58

Instrument :

BNA_M

ClientSampleId :

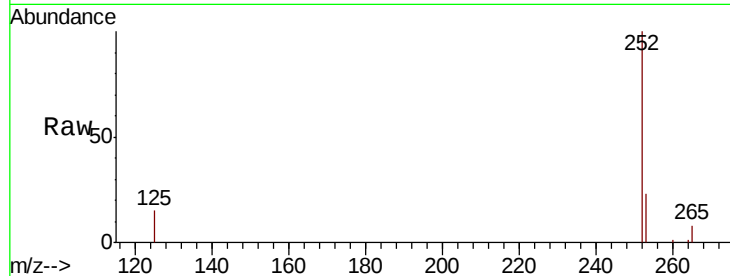
Tot Ion:252 Resp: 16632

Ion Ratio Lower Upper

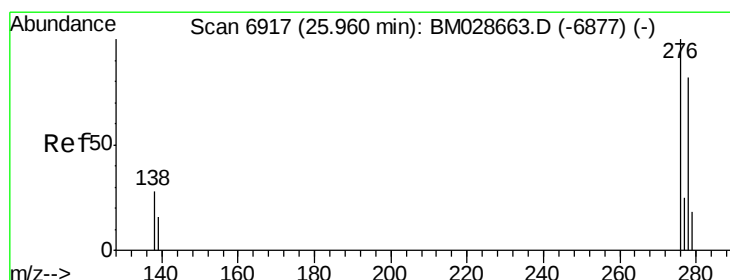
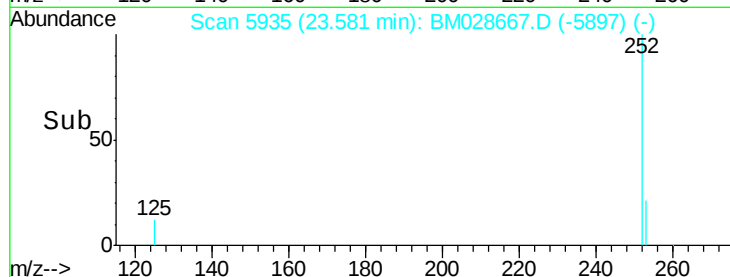
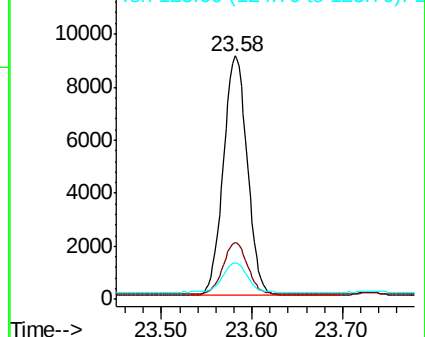
252 100

253 23.4 28.7 43.1#

125 15.1 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: 3.009 ng/ul

RT: 25.95 min Scan# 6913

Delta R.T. -0.01 min

Lab File: BM028667.D

Acq: 05 Feb 2021 16:58

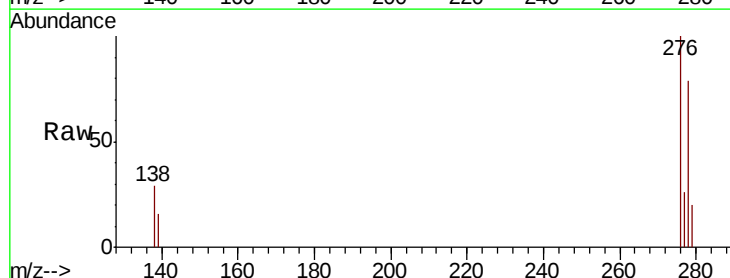
Tgt Ion:276 Resp: 21608

Ion Ratio Lower Upper

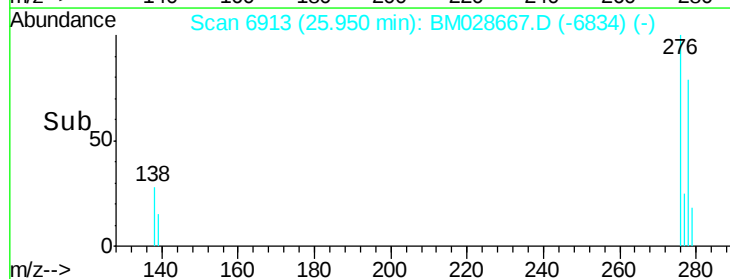
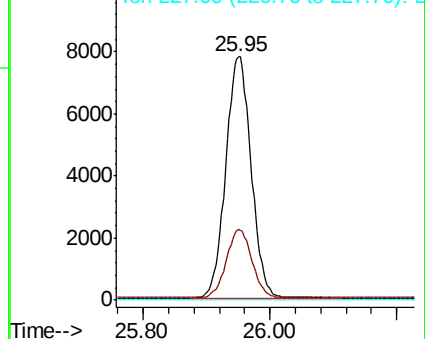
276 100

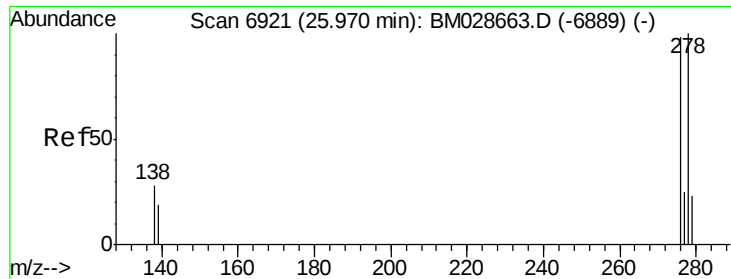
138 28.4 0.0 0.0#

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

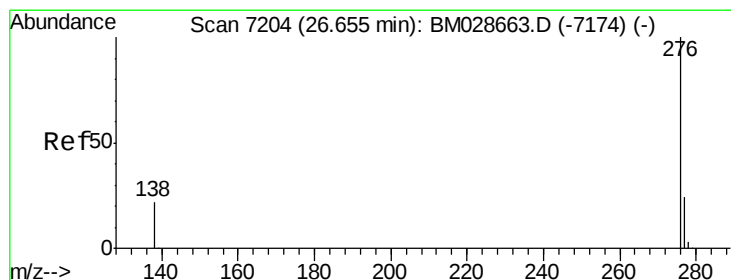
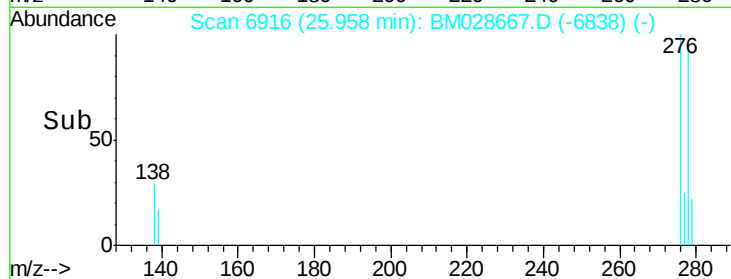
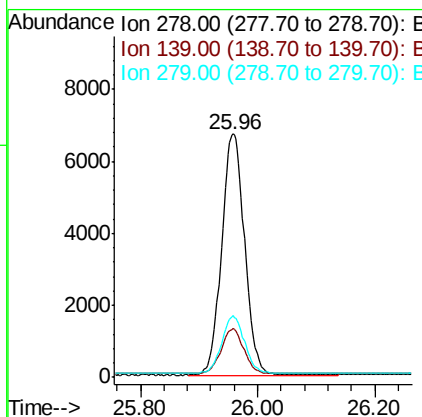
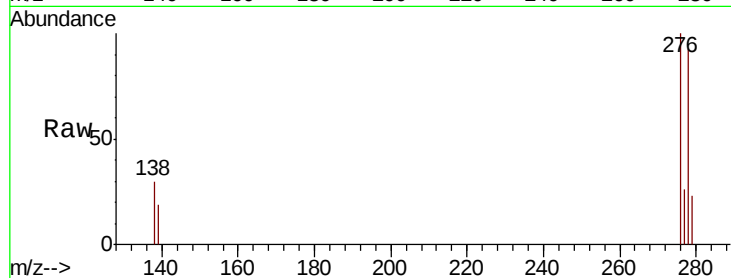




#25
Dibenzo(a,h)anthracene
Concen: 3.029 ng/ul
RT: 25.96 min Scan# 6916
Delta R.T. -0.01 min
Lab File: BM028667.D
Acq: 05 Feb 2021 16:58

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 18109
Ion Ratio Lower Upper
278 100
139 20.0 24.9 37.3#
279 25.2 28.3 42.5#



#26
Benzo(g,h,i)perylene
Concen: 3.005 ng/ul
RT: 26.65 min Scan# 7200
Delta R.T. -0.01 min
Lab File: BM028667.D
Acq: 05 Feb 2021 16:58

Tgt Ion:276 Resp: 18106
Ion Ratio Lower Upper
276 100
138 25.0 25.4 38.2#
277 24.6 25.3 37.9#

