

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110920\
 Data File : BM027752.D
 Acq On : 09 Nov 2020 11:51
 Operator : JU/CG
 Sample : SST0.880
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST0.880

Quant Time: Nov 10 06:05:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM02.4-EPA-SIM-BM110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 10 06:04:03 2020
 Response via : Initial Calibration

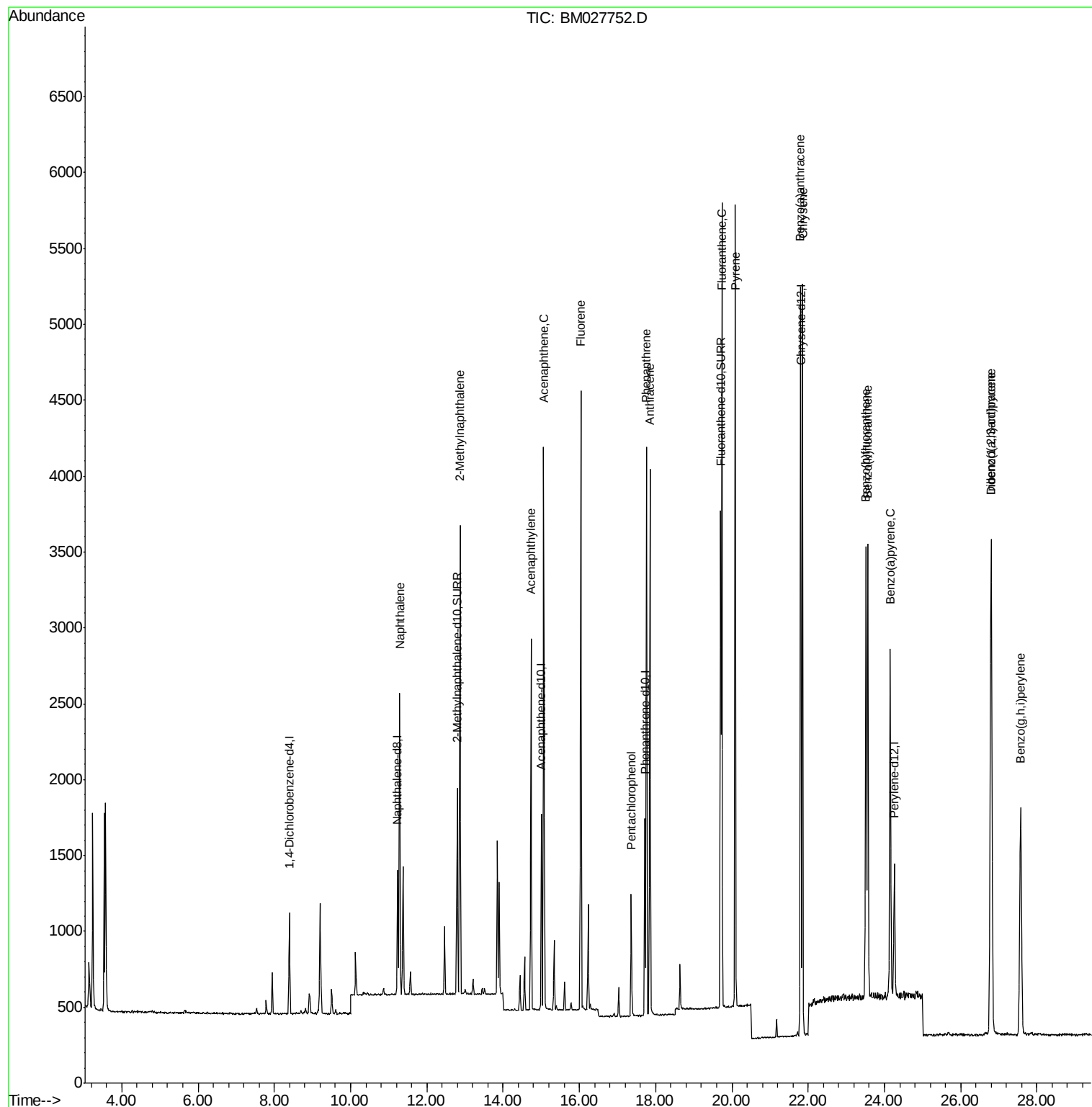
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	325	0.40	ng/ul	0.00
2) Naphthalene-d8	11.23	136	1085	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.00	164	705	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.72	188	1551	0.40	ng/ul	0.00
16) Chrysene-d12	21.81	240	1365	0.40	ng/ul	0.00
20) Perylene-d12	24.26	264	1202	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.79	152	1633	0.83	ng/ul	0.00
14) Fluoranthene-d10	19.70	212	3718	0.88	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.28	128	2726	0.859	ng/ul	97
5) 2-Methylnaphthalene	12.87	142	1896	0.820	ng/ul	96
7) Acenaphthylene	14.73	152	2728	0.758	ng/ul	99
8) Acenaphthene	15.07	153	2054	0.802	ng/ul	99
9) Fluorene	16.04	166	2505	0.790	ng/ul	97
11) Pentachlorophenol	17.36	266	498	1.180	ng/ul	98
12) Phenanthrene	17.76	178	3887	0.812	ng/ul	98
13) Anthracene	17.85	178	3834	0.819	ng/ul	100
15) Fluoranthene	19.73	202	4538	0.788	ng/ul	99
17) Pyrene	20.09	202	4457	0.716	ng/ul	99
18) Benzo(a)anthracene	21.80	228	4182	0.781	ng/ul	98
19) Chrysene	21.85	228	4767	0.860	ng/ul	99
21) Benzo(b)fluoranthene	23.51	252	4114	0.850	ng/ul	93
22) Benzo(k)fluoranthene	23.56	252	4179	0.830	ng/ul	95
23) Benzo(a)pyrene	24.15	252	3638	0.839	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	26.79	276	4379	0.784	ng/ul#	99
25) Dibenzo(a,h)anthracene	26.81	278	3678	0.798	ng/ul#	91
26) Benzo(g,h,i)perylene	27.57	276	3704	0.786	ng/ul	92

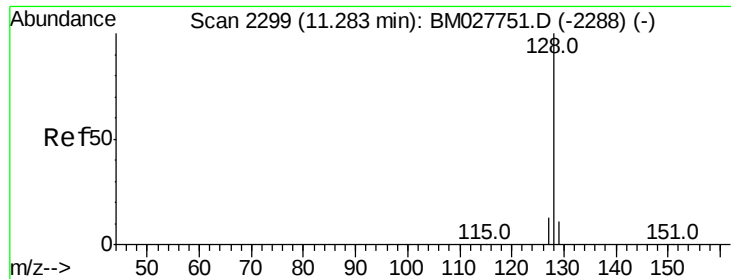
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.859 ng/ul

RT: 11.28 min Scan# 2299

Delta R.T. -0.00 min

Lab File: BM027752.D

Acq: 09 Nov 2020 11:51

Instrument :

BNA_M

ClientSampleId :

SSTD0.880

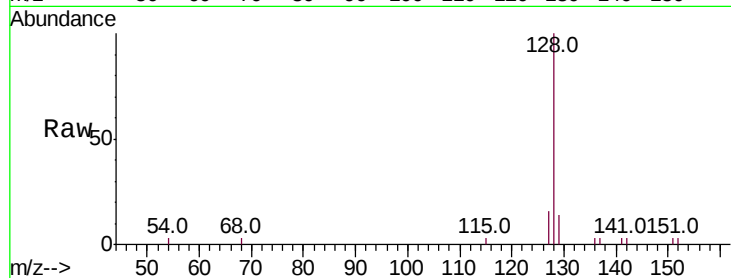
Tot Ion:128 Resp: 2726

Ion Ratio Lower Upper

128 100

129 13.6 12.2 18.2

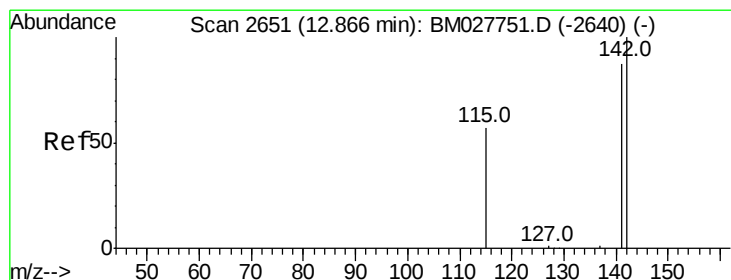
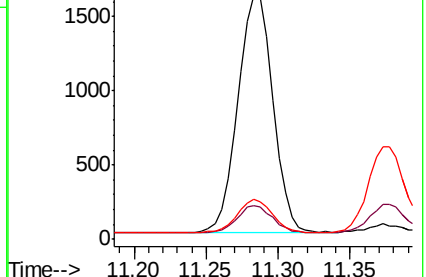
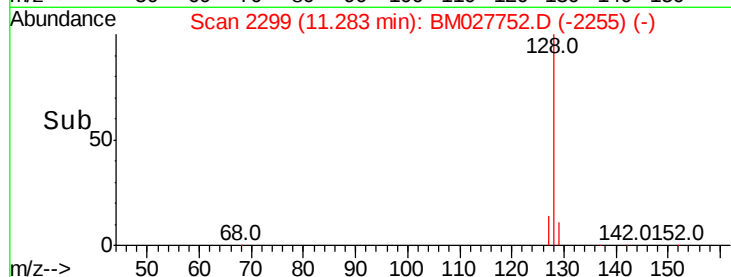
127 16.3 13.7 20.5



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: 0.820 ng/ul

RT: 12.87 min Scan# 2651

Delta R.T. -0.00 min

Lab File: BM027752.D

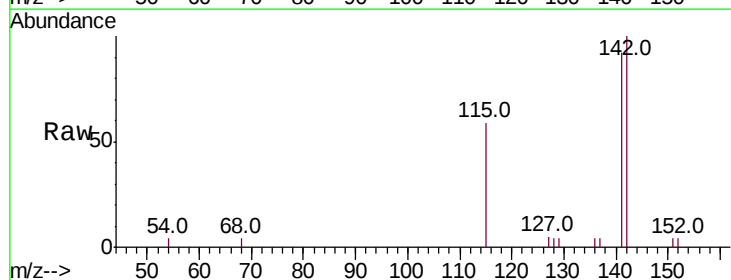
Acq: 09 Nov 2020 11:51

Tgt Ion:142 Resp: 1896

Ion Ratio Lower Upper

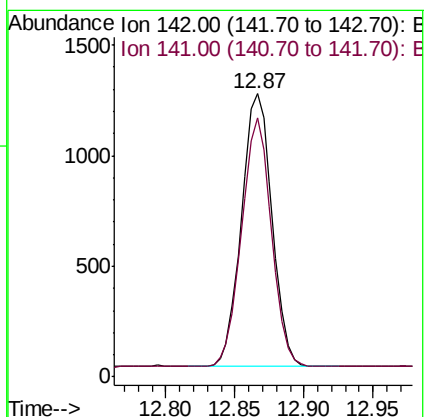
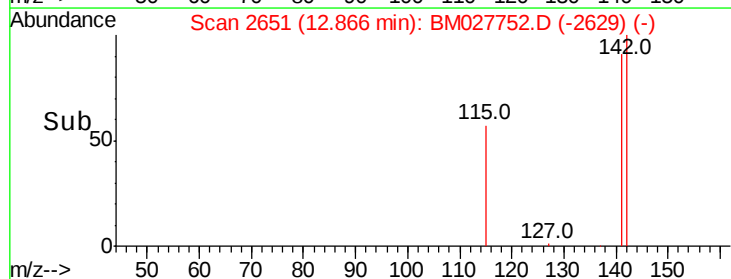
142 100

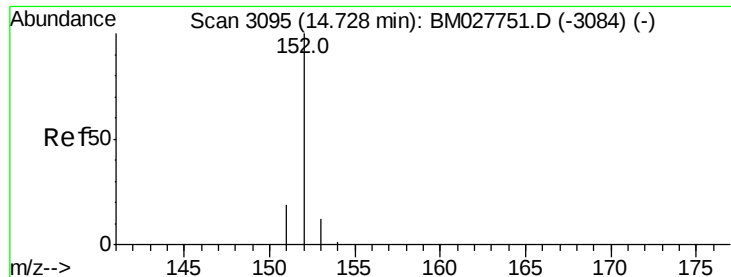
141 88.8 68.4 102.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.758 ng/ul

RT: 14.73 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BM027752.D

Acq: 09 Nov 2020 11:51

Instrument :

BNA_M

ClientSampleId :

SSTD0.880

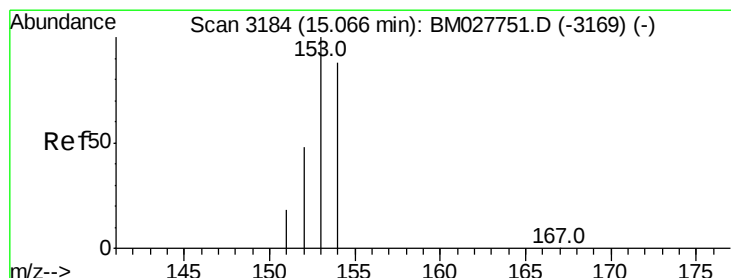
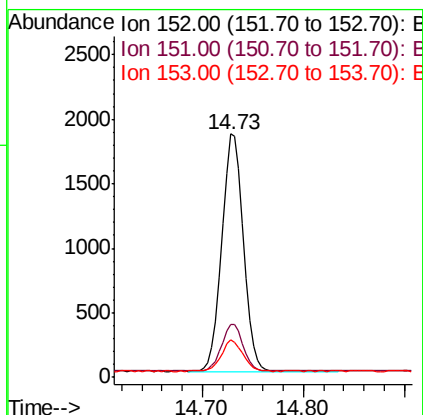
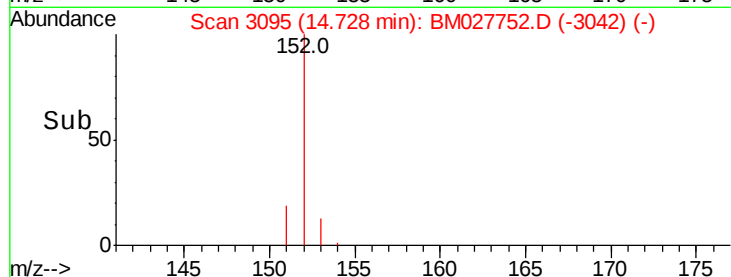
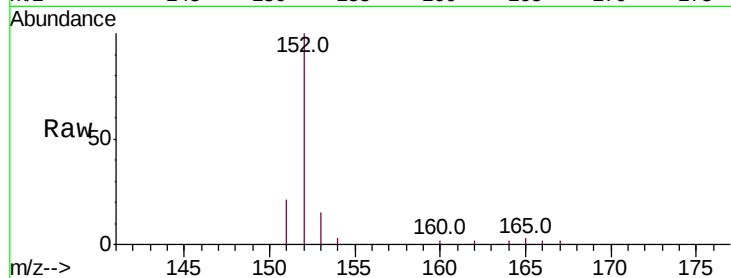
Tot Ion:152 Resp: 2728

Ion Ratio Lower Upper

152 100

151 21.5 17.8 26.8

153 15.2 12.4 18.6



#8

Acenaphthene

Concen: 0.802 ng/ul

RT: 15.07 min Scan# 3184

Delta R.T. -0.00 min

Lab File: BM027752.D

Acq: 09 Nov 2020 11:51

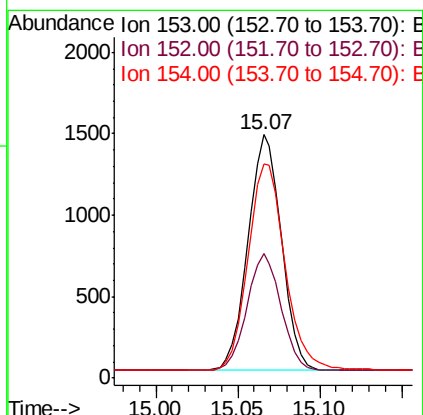
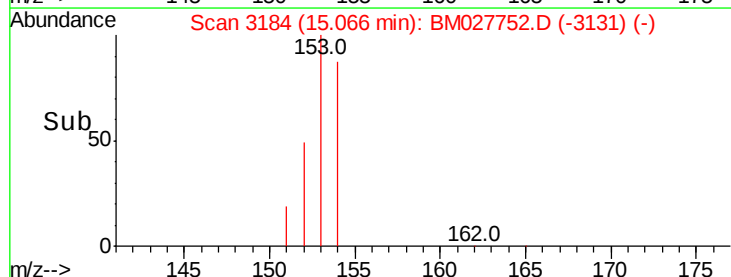
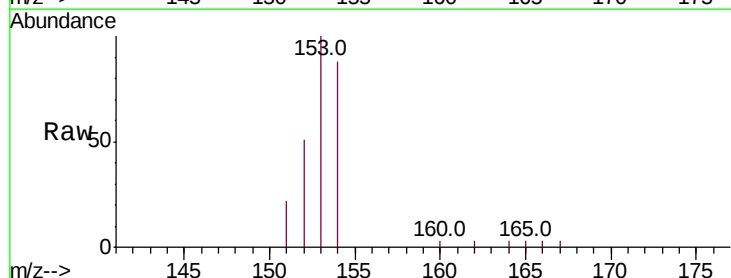
Tgt Ion:153 Resp: 2054

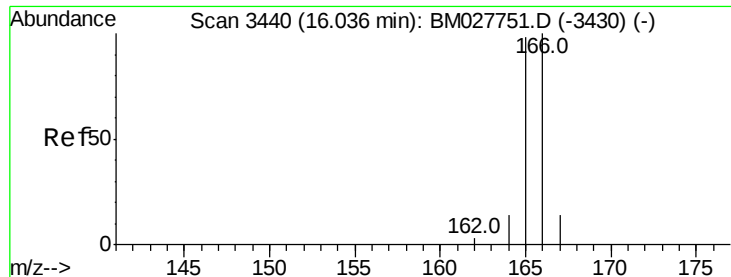
Ion Ratio Lower Upper

153 100

152 51.1 40.7 61.1

154 87.8 71.3 106.9





#9

Fluorene

Concen: 0.790 ng/ul

RT: 16.04 min Scan# 3440

Delta R.T. -0.00 min

Lab File: BM027752.D

Acq: 09 Nov 2020 11:51

Instrument :

BNA_M

ClientSampleId :

SSTD0.880

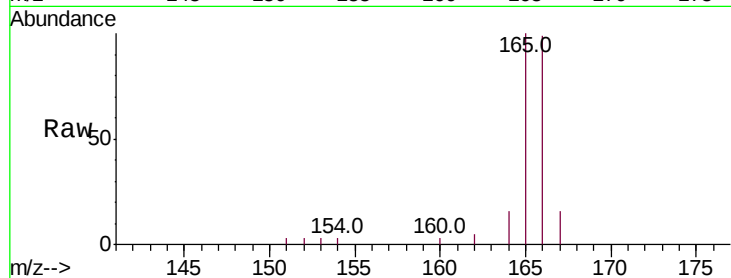
Tot Ion:166 Resp: 2505

Ion Ratio Lower Upper

166 100

165 101.0 78.6 118.0

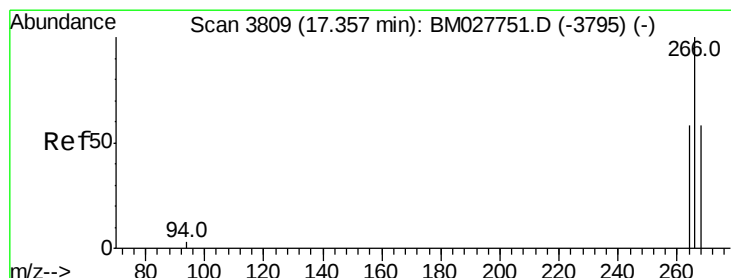
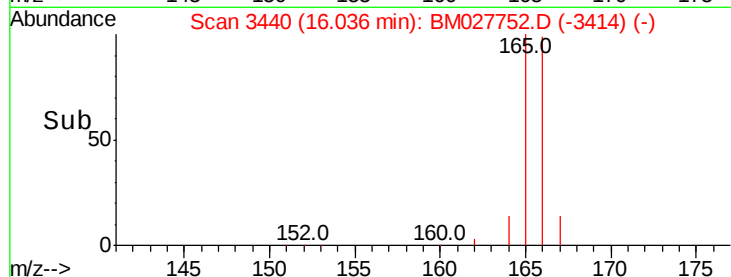
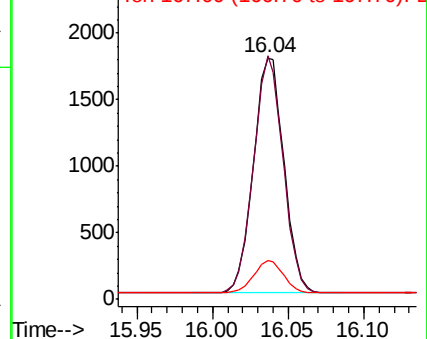
167 16.0 13.8 20.8



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: 1.180 ng/ul

RT: 17.36 min Scan# 3810

Delta R.T. 0.00 min

Lab File: BM027752.D

Acq: 09 Nov 2020 11:51

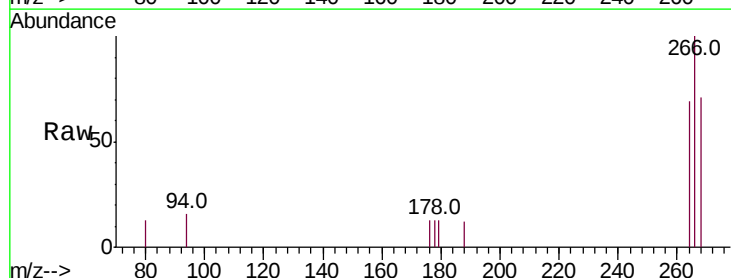
Tgt Ion:266 Resp: 498

Ion Ratio Lower Upper

266 100

264 63.3 50.5 75.7

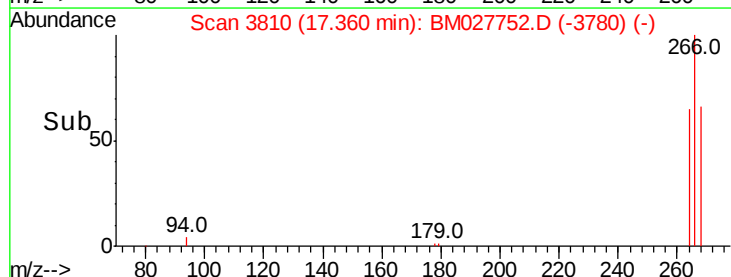
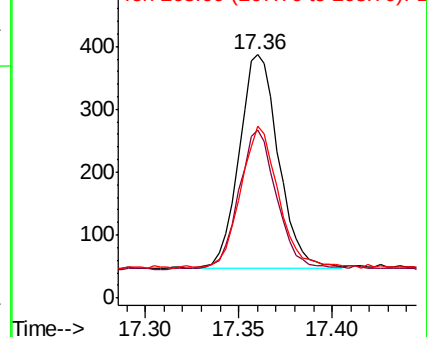
268 64.5 49.3 73.9

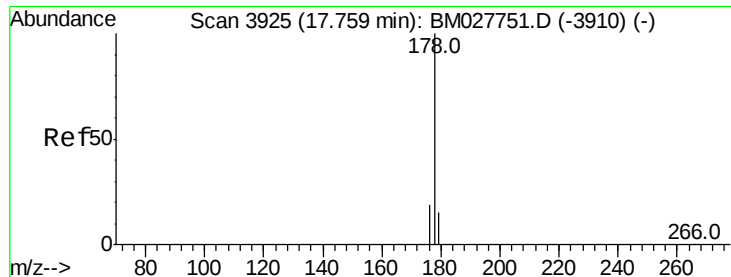


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.812 ng/ul

RT: 17.76 min Scan# 3925

Delta R.T. -0.00 min

Lab File: BM027752.D

Acq: 09 Nov 2020 11:51

Instrument :

BNA_M

ClientSampleId :

SSTD0.880

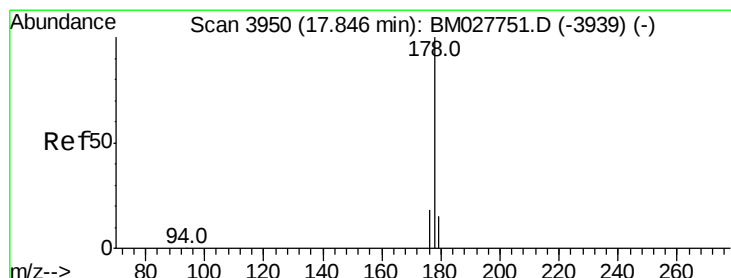
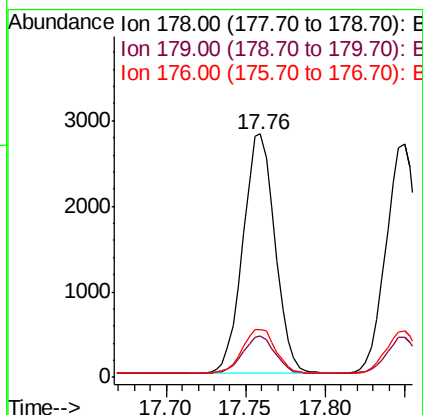
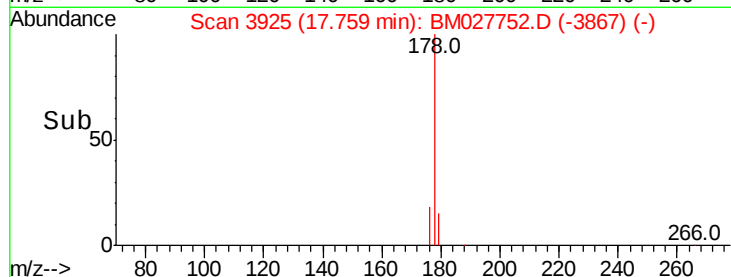
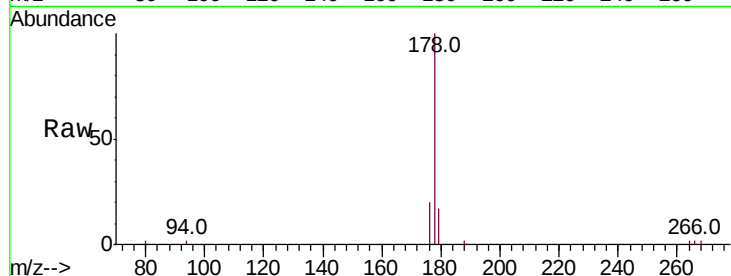
Tot Ion:178 Resp: 3887

Ion Ratio Lower Upper

178 100

179 17.0 14.2 21.2

176 19.9 16.9 25.3



#13

Anthracene

Concen: 0.819 ng/ul

RT: 17.85 min Scan# 3951

Delta R.T. 0.00 min

Lab File: BM027752.D

Acq: 09 Nov 2020 11:51

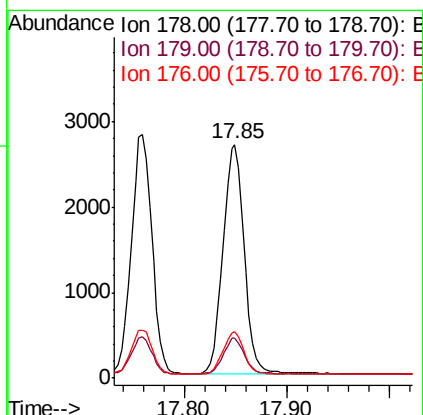
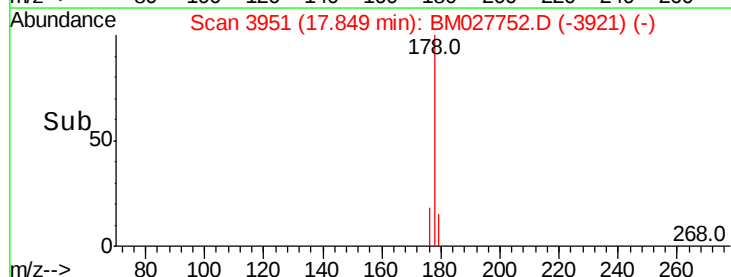
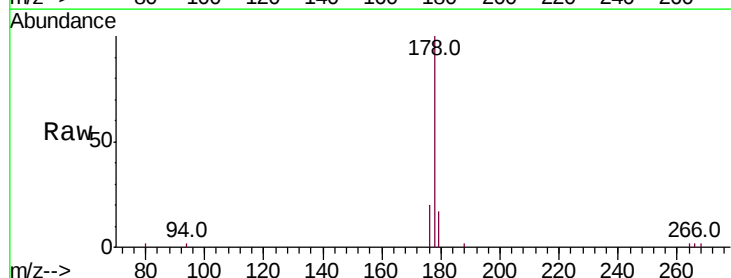
Tgt Ion:178 Resp: 3834

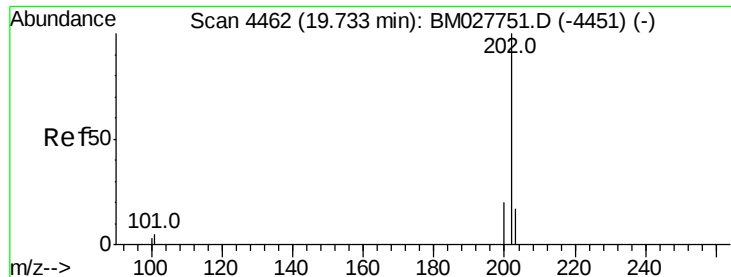
Ion Ratio Lower Upper

178 100

179 17.1 13.8 20.8

176 20.2 16.2 24.4





#15

Fluoranthene

Concen: 0.788 ng/ul

RT: 19.73 min Scan# 4462

Delta R.T. -0.00 min

Lab File: BM027752.D

Acq: 09 Nov 2020 11:51

Instrument :

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SSTD0.880

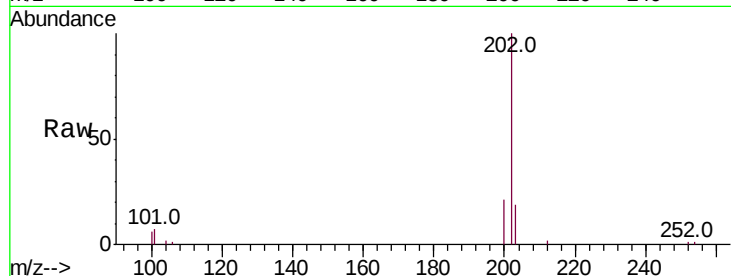
Tot Ion:202 Resp: 4538

Ion Ratio Lower Upper

202 100

101 7.3 0.0 27.5

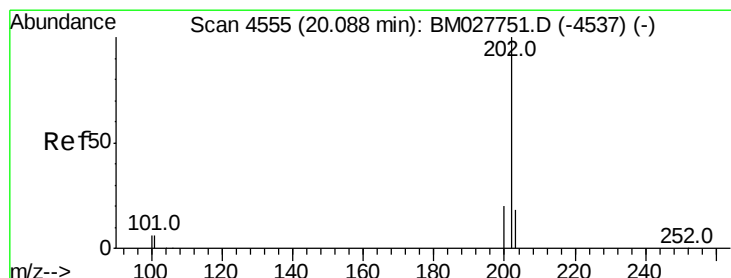
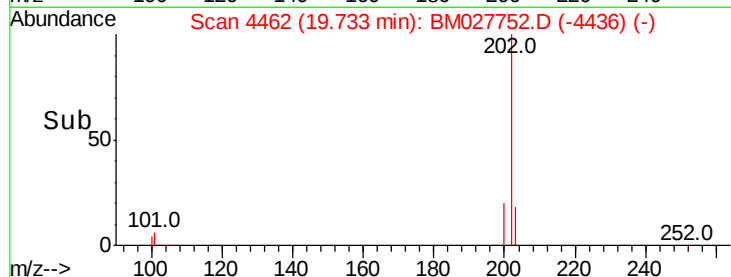
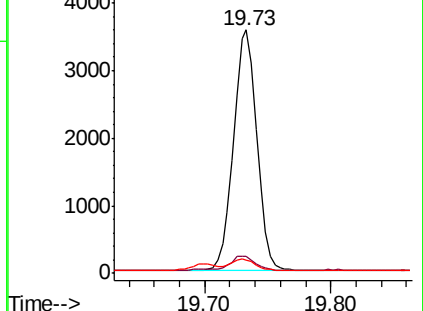
100 5.6 0.0 26.3



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



#17

Pyrene

Concen: 0.716 ng/ul

RT: 20.09 min Scan# 4555

Delta R.T. -0.00 min

Lab File: BM027752.D

Acq: 09 Nov 2020 11:51

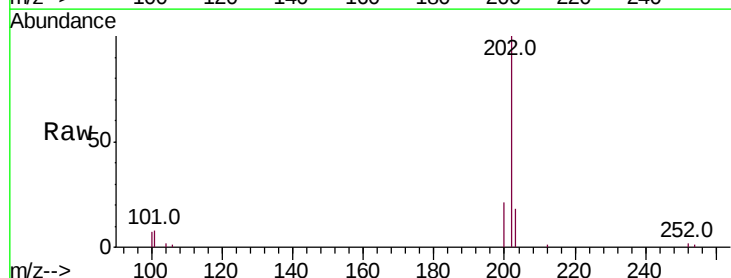
Tgt Ion:202 Resp: 4457

Ion Ratio Lower Upper

202 100

101 7.9 6.6 9.8

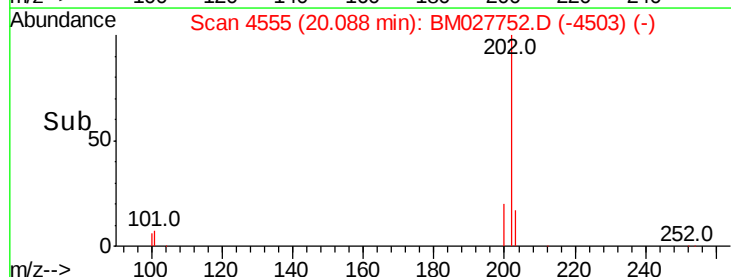
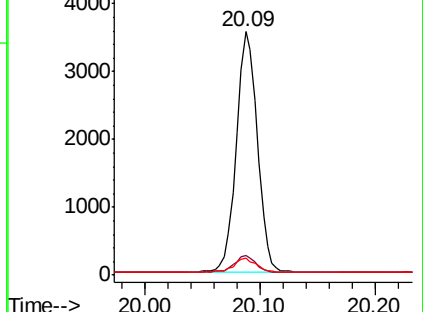
100 6.9 6.1 9.1

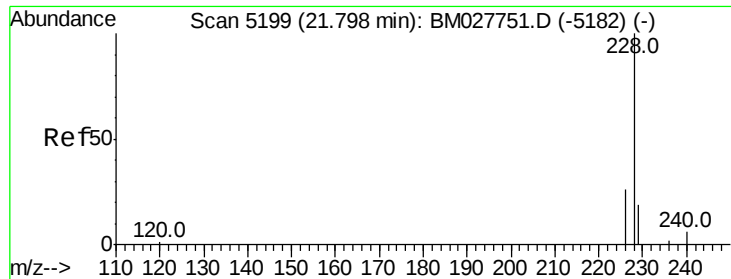


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.781 ng/ul

RT: 21.80 min Scan# 5199

Delta R.T. -0.00 min

Lab File: BM027752.D

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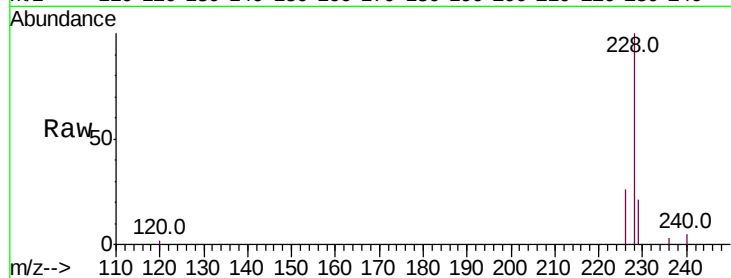
Tot Ion:228 Resp: 4182

Ion Ratio Lower Upper

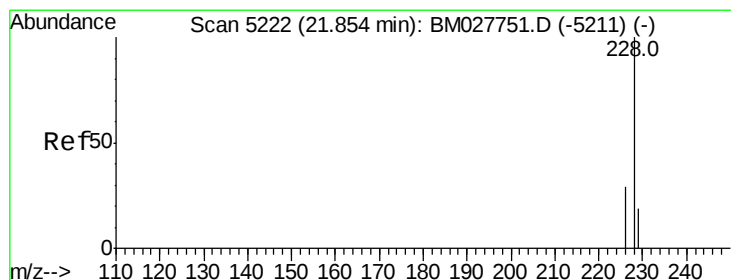
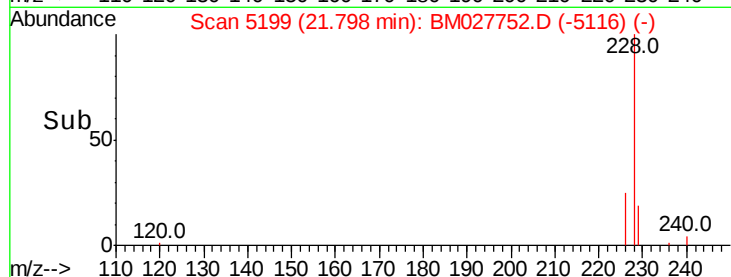
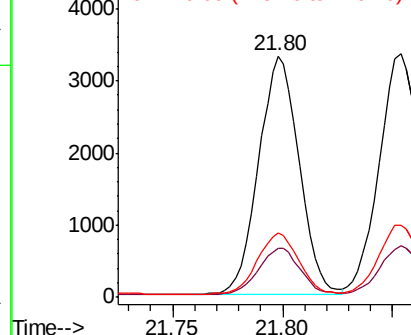
228 100

229 20.6 17.0 25.6

226 26.5 22.1 33.1



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: 0.860 ng/ul

RT: 21.85 min Scan# 5222

Delta R.T. -0.00 min

Lab File: BM027752.D

Acq: 09 Nov 2020 11:51

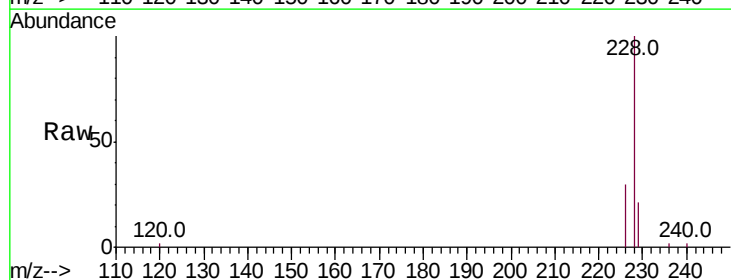
Tgt Ion:228 Resp: 4767

Ion Ratio Lower Upper

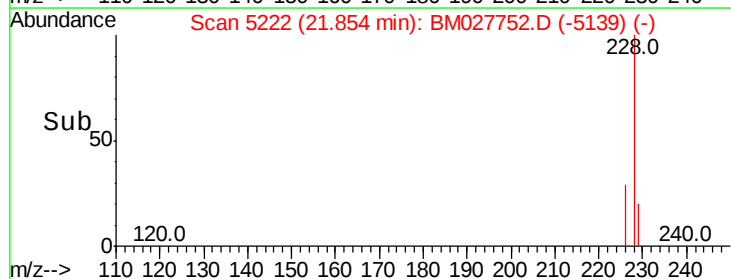
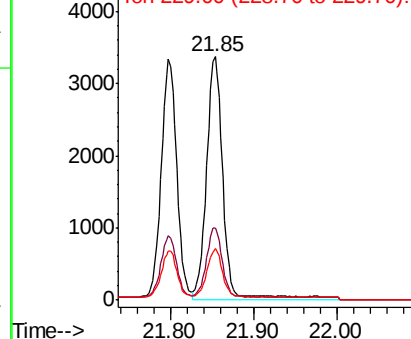
228 100

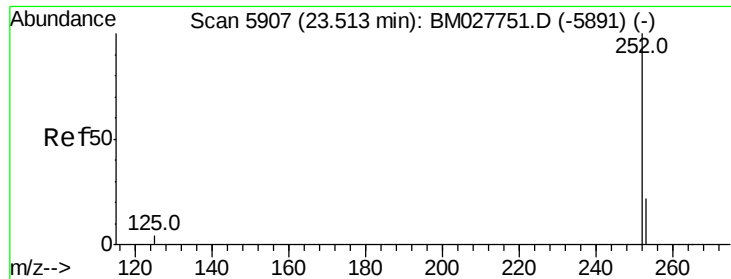
226 29.9 24.7 37.1

229 21.2 17.1 25.7



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

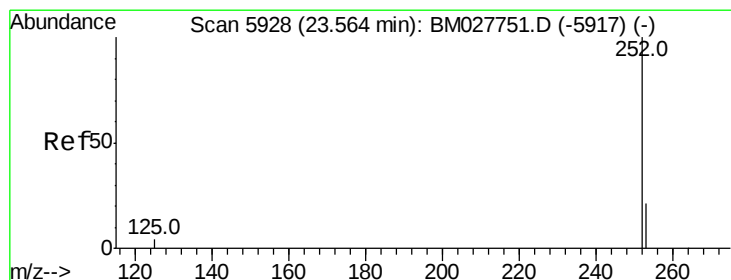
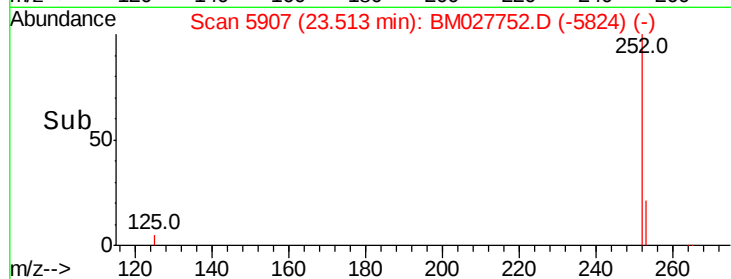
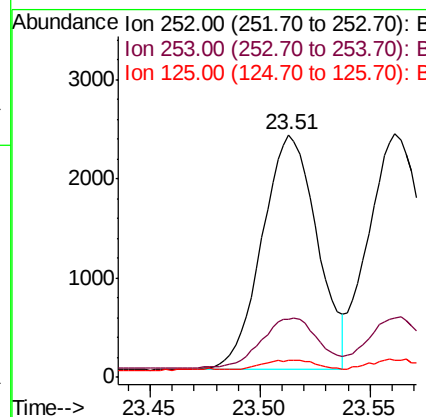
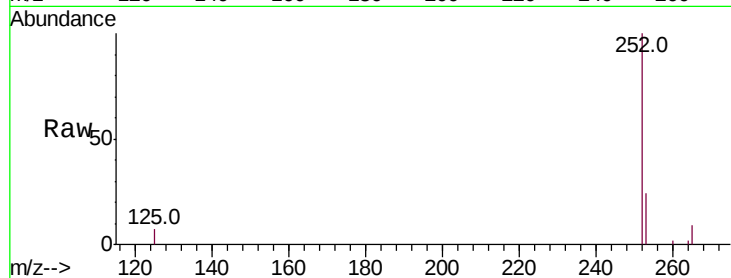




#21
Benzo(b)fluoranthene
Concen: 0.850 ng/ul
RT: 23.51 min Scan# 5907
Delta R.T. -0.00 min
Lab File: BM027752.D
Acq: 09 Nov 2020 11:51

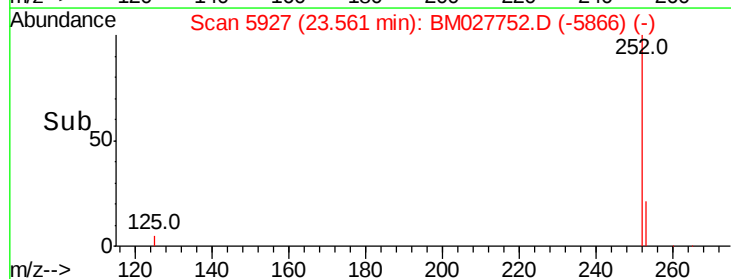
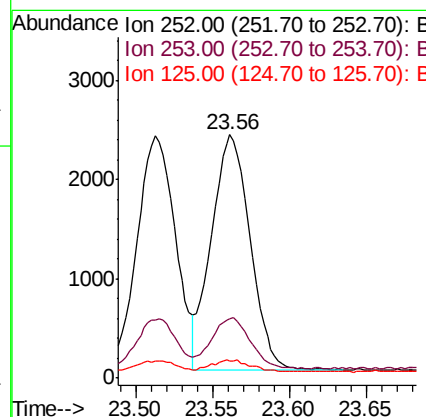
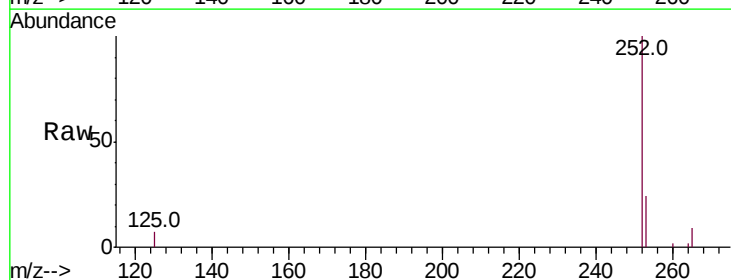
Instrument :
BNA_M
ClientSampleId :
SSTD0.880

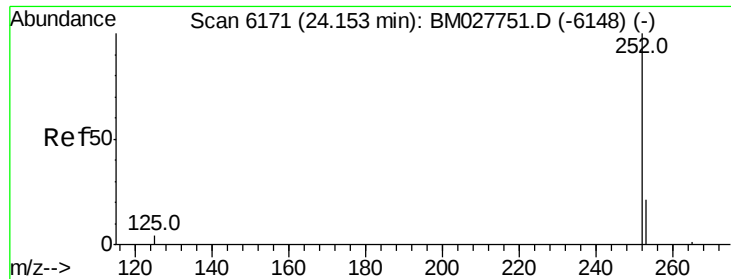
Tot Ion:252 Resp: 4114
Ion Ratio Lower Upper
252 100
253 23.9 0.0 56.0
125 7.2 0.0 18.2



#22
Benzo(k)fluoranthene
Concen: 0.830 ng/ul
RT: 23.56 min Scan# 5927
Delta R.T. -0.00 min
Lab File: BM027752.D
Acq: 09 Nov 2020 11:51

Tgt Ion:252 Resp: 4179
Ion Ratio Lower Upper
252 100
253 24.4 21.8 32.8
125 7.1 7.0 10.4





#23

Benzo(a)pyrene

Concen: 0.839 ng/ul

RT: 24.15 min Scan# 6171

Delta R.T. -0.00 min

Lab File: BM027752.D

Acq: 09 Nov 2020 11:51

Instrument :

BNA_M

ClientSampleId :

SSTD0.880

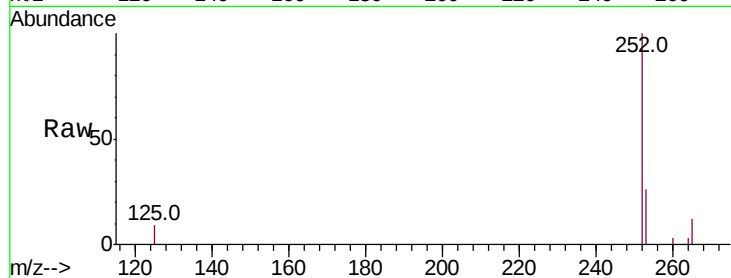
Tot Ion:252 Resp: 3638

Ion Ratio Lower Upper

252 100

253 26.3 22.4 33.6

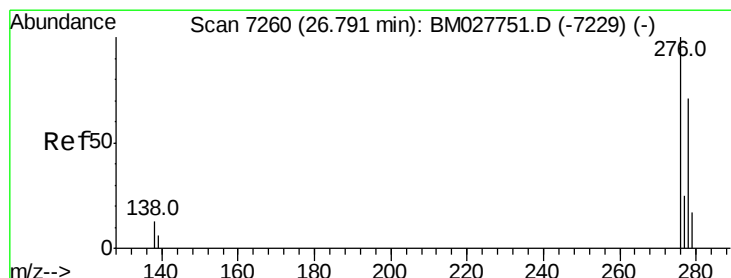
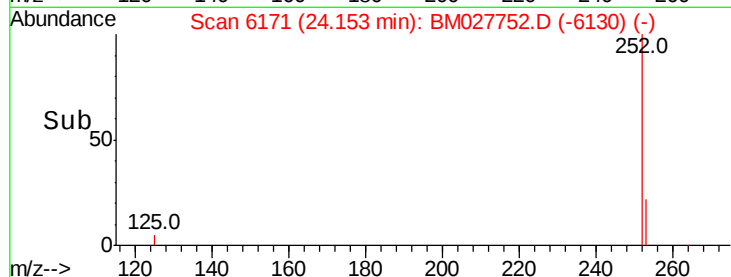
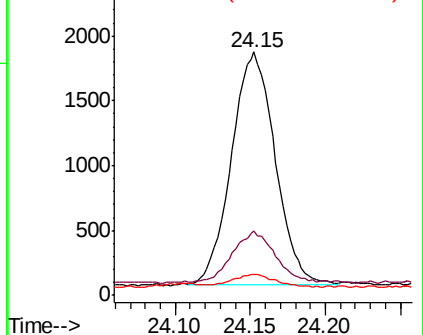
125 8.7 7.8 11.6



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: 0.784 ng/ul

RT: 26.79 min Scan# 7260

Delta R.T. -0.00 min

Lab File: BM027752.D

Acq: 09 Nov 2020 11:51

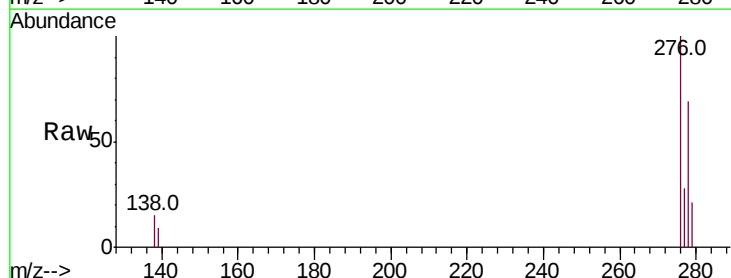
Tgt Ion:276 Resp: 4379

Ion Ratio Lower Upper

276 100

138 12.7 10.6 15.8

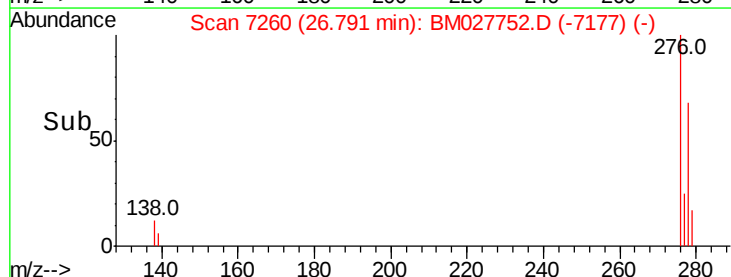
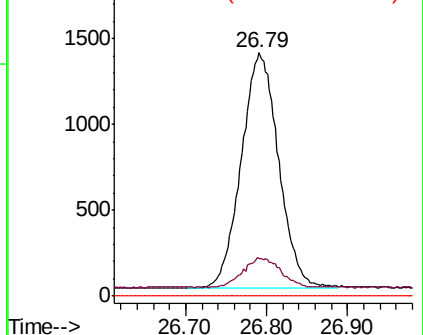
227 0.0 0.0 0.0

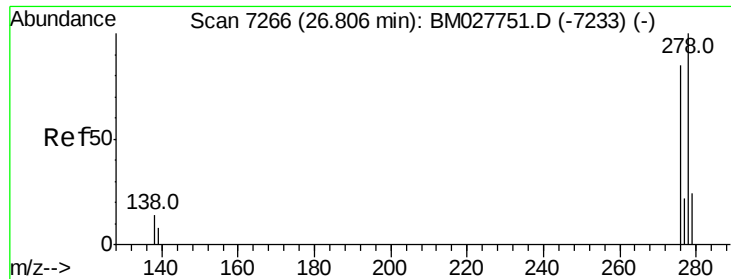


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.798 ng/ul

RT: 26.81 min Scan# 7266

Delta R.T. -0.00 min

Lab File: BM027752.D

Acq: 09 Nov 2020 11:51

Instrument :

BNA_M

ClientSampleId :

SSTD0.880

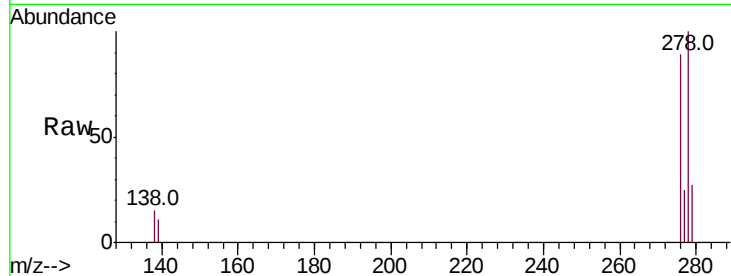
Tot Ion:278 Resp: 3678

Ion Ratio Lower Upper

278 100

139 11.2 11.5 17.3#

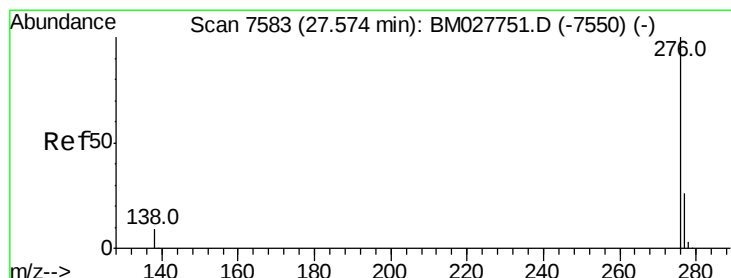
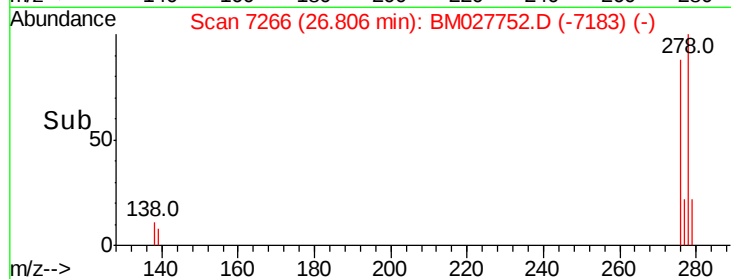
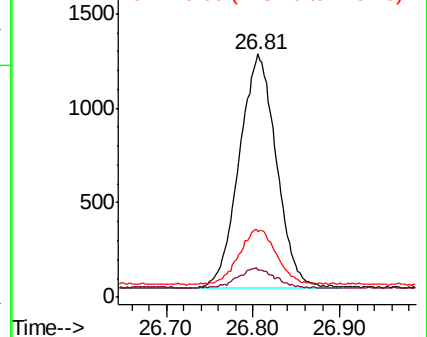
279 26.9 25.6 38.4



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: 0.786 ng/ul

RT: 27.57 min Scan# 7583

Delta R.T. -0.00 min

Lab File: BM027752.D

Acq: 09 Nov 2020 11:51

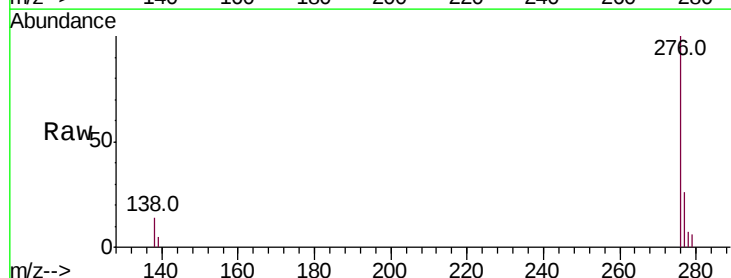
Tgt Ion:276 Resp: 3704

Ion Ratio Lower Upper

276 100

138 13.8 12.6 18.8

277 25.8 24.9 37.3



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

