

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110920\
 Data File : BM027751.D
 Acq On : 09 Nov 2020 11:15
 Operator : JU/CG
 Sample : SSTD0.479
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.479

Quant Time: Nov 10 06:05:24 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

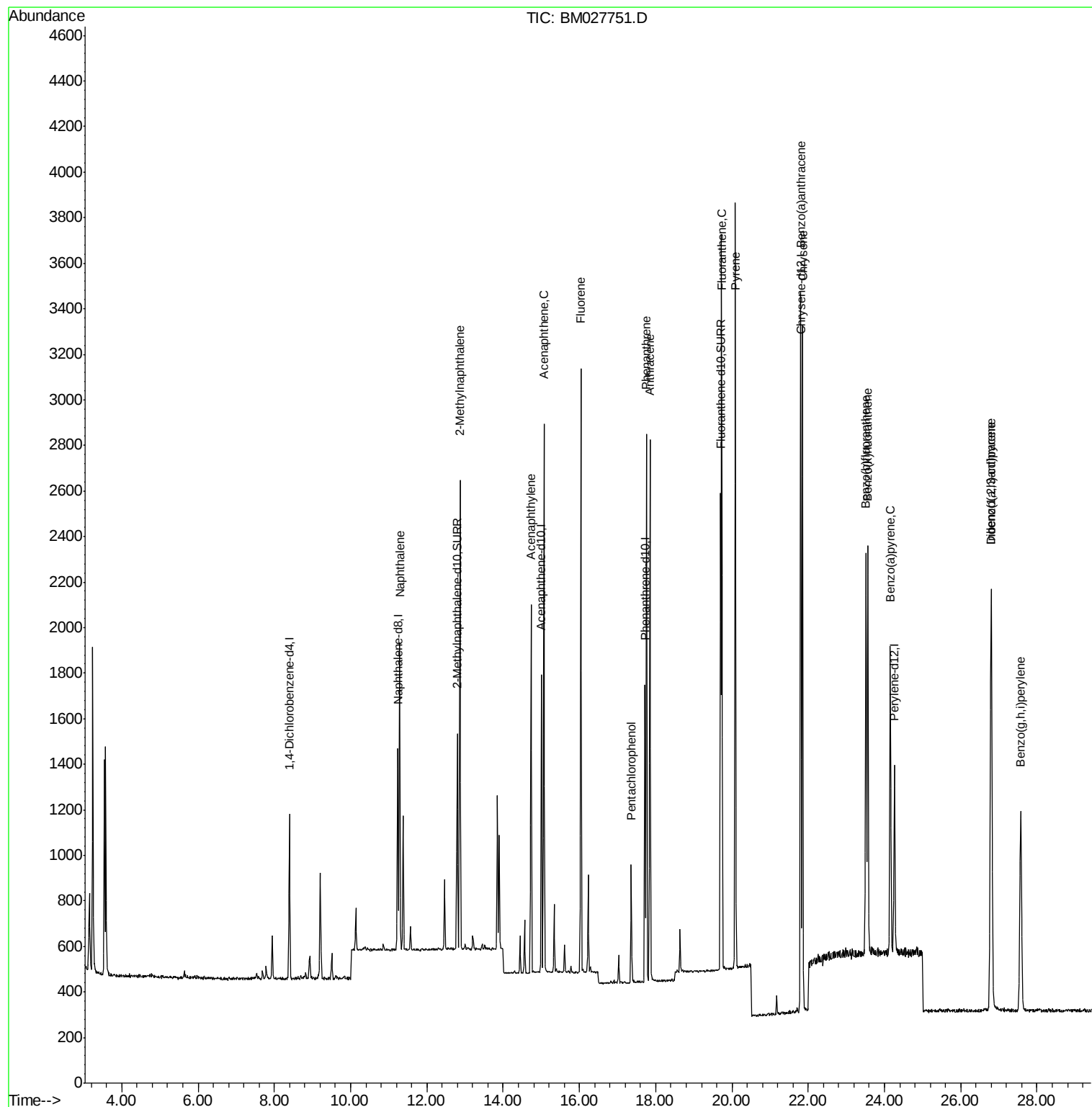
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	349	0.40	ng/ul	0.00
2) Naphthalene-d8	11.23	136	1170	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.01	164	732	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.72	188	1602	0.40	ng/ul	0.00
16) Chrysene-d12	21.81	240	1332	0.40	ng/ul	0.00
20) Perylene-d12	24.26	264	1114	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.79	152	1095	0.51	ng/ul	0.00
14) Fluoranthene-d10	19.70	212	2374	0.54	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	11.28	128	1832	0.535	ng/ul	100
5) 2-Methylnaphthalene	12.87	142	1282	0.514	ng/ul	100
7) Acenaphthylene	14.73	152	1796	0.481	ng/ul	100
8) Acenaphthene	15.07	153	1360	0.511	ng/ul	100
9) Fluorene	16.04	166	1603	0.487	ng/ul	100
11) Pentachlorophenol	17.36	266	328	0.752	ng/ul	100
12) Phenanthrene	17.76	178	2553	0.516	ng/ul	100
13) Anthracene	17.85	178	2501	0.517	ng/ul	100
15) Fluoranthene	19.73	202	2905	0.488	ng/ul	100
17) Pyrene	20.09	202	2891	0.476	ng/ul	100
18) Benzo(a)anthracene	21.80	228	2570	0.492	ng/ul	100
19) Chrysene	21.85	228	3143	0.581	ng/ul	100
21) Benzo(b)fluoranthene	23.51	252	2422	0.540	ng/ul	100
22) Benzo(k)fluoranthene	23.56	252	2476	0.531	ng/ul	100
23) Benzo(a)pyrene	24.15	252	2135	0.531	ng/ul	100
24) Indeno(1,2,3-cd)pyrene	26.79	276	2516	0.486	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.81	278	2107	0.493	ng/ul	100
26) Benzo(g,h,i)perylene	27.57	276	2161	0.495	ng/ul	100

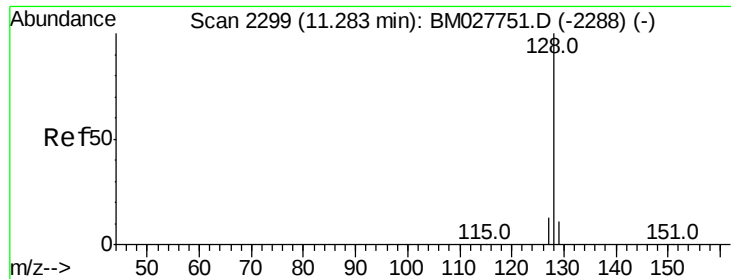
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.535 ng/ul

RT: 11.28 min Scan# 2299

Delta R.T. 0.00 min

Lab File: BM027751.D

Acq: 09 Nov 2020 11:15

Instrument :

BNA_M

ClientSampleId :

SSTD0.479

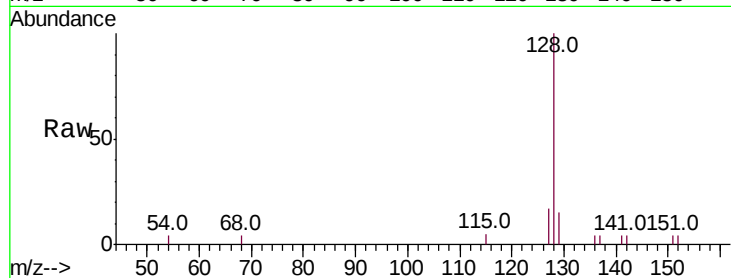
Tot Ion:128 Resp: 1832

Ion Ratio Lower Upper

128 100

129 15.2 12.2 18.2

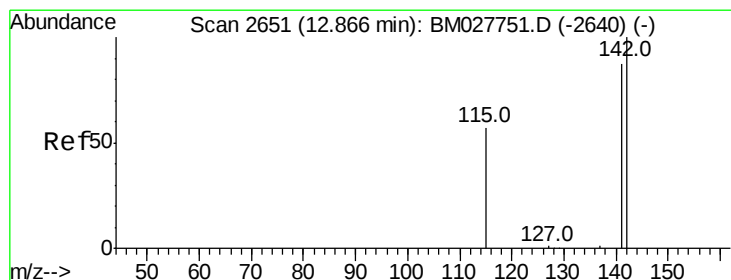
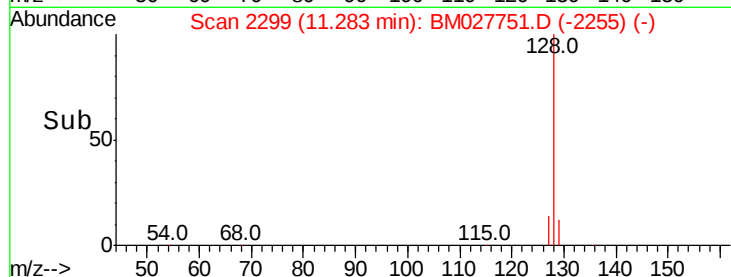
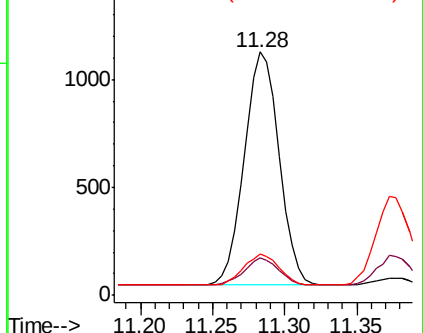
127 17.1 13.7 20.5



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: 0.514 ng/ul

RT: 12.87 min Scan# 2651

Delta R.T. 0.00 min

Lab File: BM027751.D

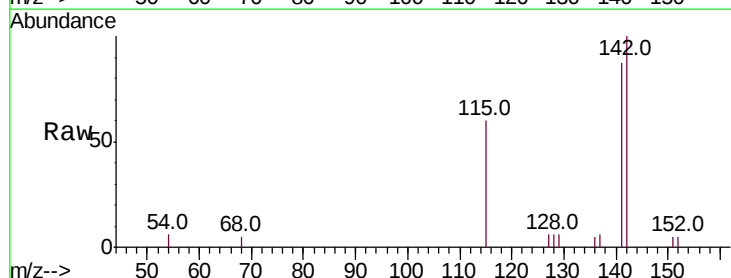
Acq: 09 Nov 2020 11:15

Tgt Ion:142 Resp: 1282

Ion Ratio Lower Upper

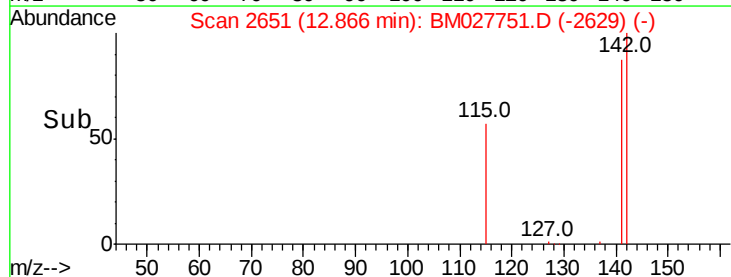
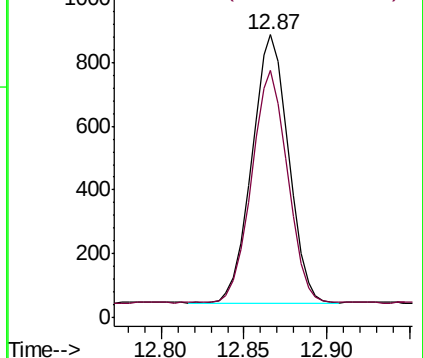
142 100

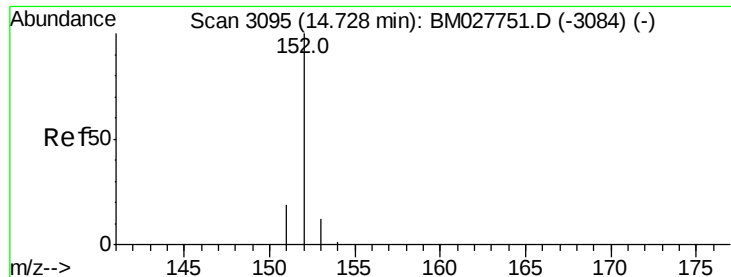
141 85.5 68.4 102.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.481 ng/ul

RT: 14.73 min Scan# 3095

Delta R.T. 0.00 min

Lab File: BM027751.D

Acq: 09 Nov 2020 11:15

Instrument :

BNA_M

ClientSampleId :

SSTD0.479

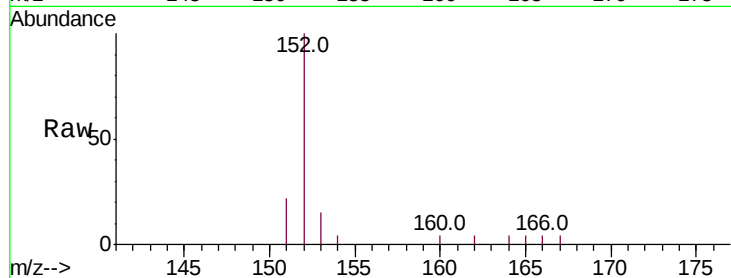
Tot Ion:152 Resp: 1796

Ion Ratio Lower Upper

152 100

151 22.3 17.8 26.8

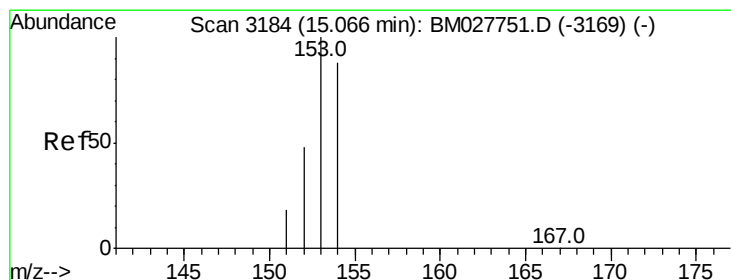
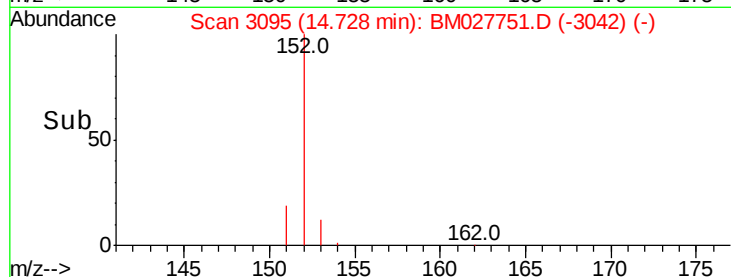
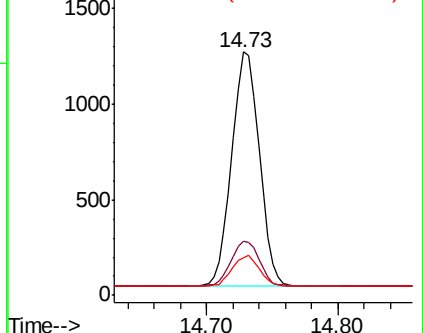
153 15.5 12.4 18.6



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: 0.511 ng/ul

RT: 15.07 min Scan# 3184

Delta R.T. 0.00 min

Lab File: BM027751.D

Acq: 09 Nov 2020 11:15

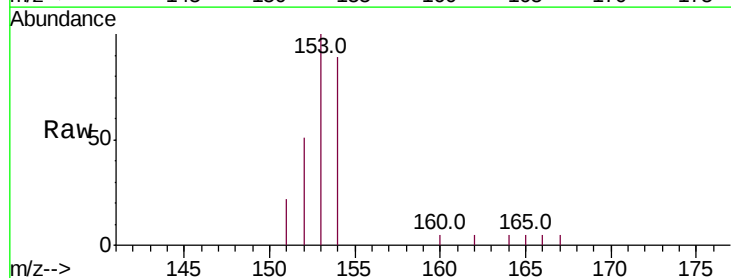
Tgt Ion:153 Resp: 1360

Ion Ratio Lower Upper

153 100

152 50.9 40.7 61.1

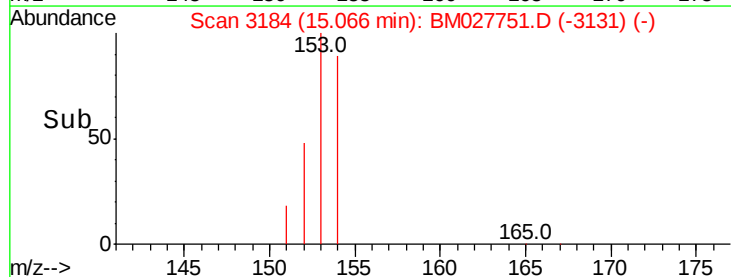
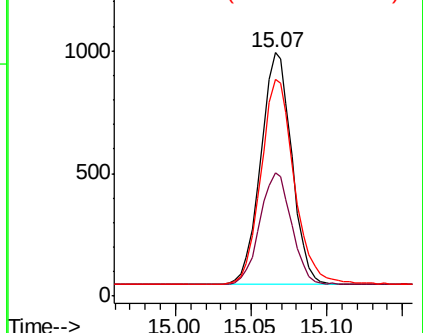
154 89.1 71.3 106.9

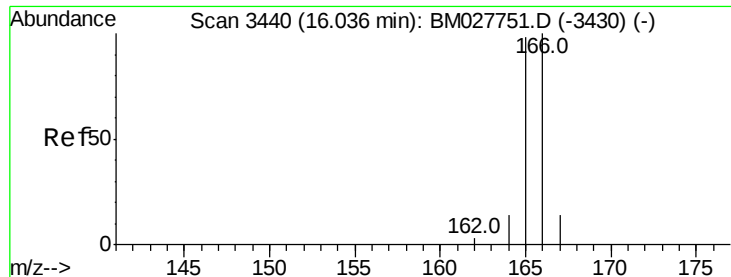


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.487 ng/ul

RT: 16.04 min Scan# 3440

Delta R.T. 0.00 min

Lab File: BM027751.D

Acq: 09 Nov 2020 11:15

Instrument :

BNA_M

ClientSampleId :

SSTD0.479

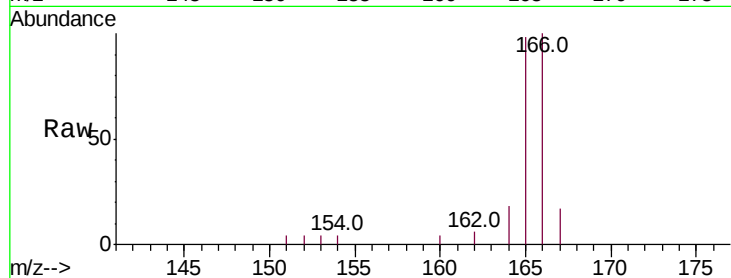
Tot Ion:166 Resp: 1603

Ion Ratio Lower Upper

166 100

165 98.3 78.6 118.0

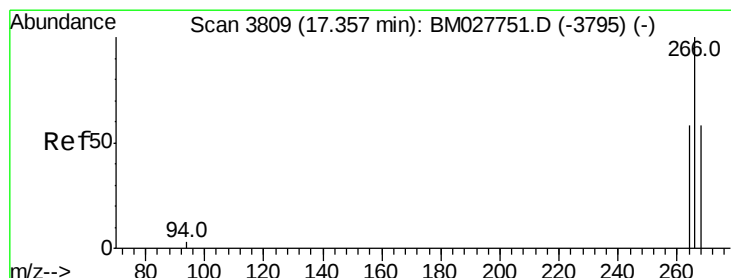
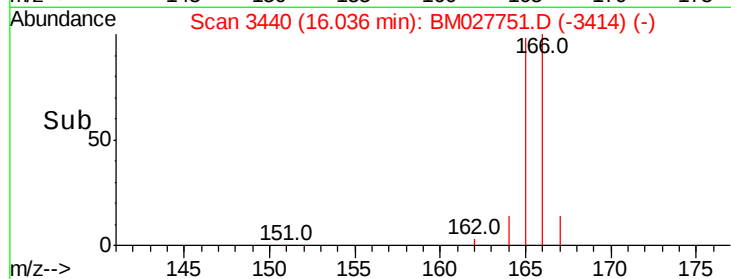
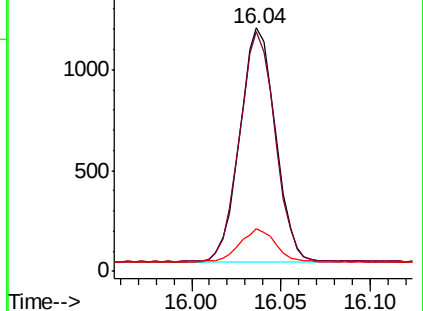
167 17.3 13.8 20.8



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: 0.752 ng/ul

RT: 17.36 min Scan# 3809

Delta R.T. 0.00 min

Lab File: BM027751.D

Acq: 09 Nov 2020 11:15

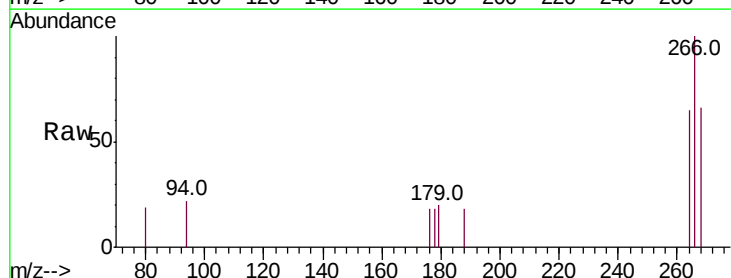
Tgt Ion:266 Resp: 328

Ion Ratio Lower Upper

266 100

264 63.1 50.5 75.7

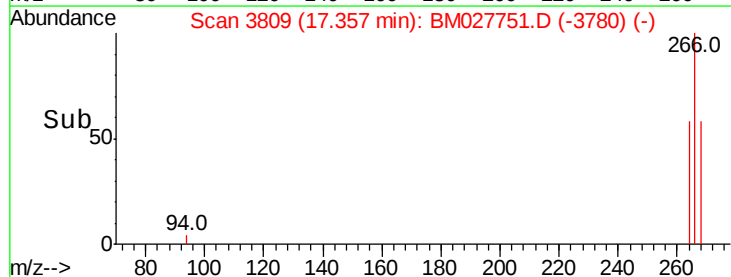
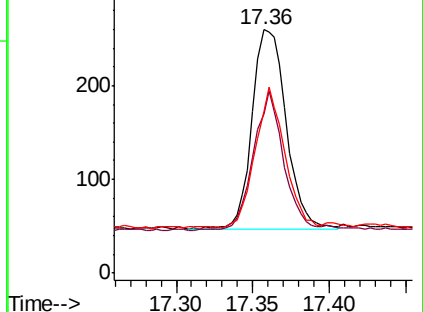
268 61.6 49.3 73.9

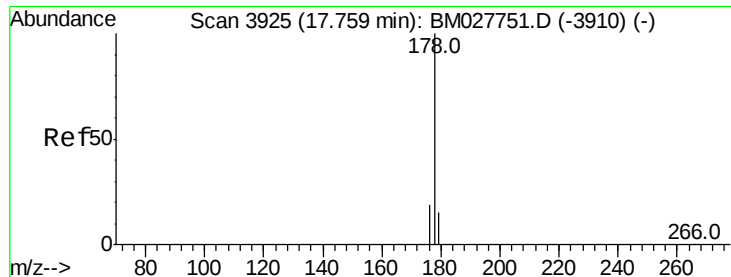


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.516 ng/ul

RT: 17.76 min Scan# 3925

Delta R.T. 0.00 min

Lab File: BM027751.D

Acq: 09 Nov 2020 11:15

Instrument :

BNA_M

ClientSampleId :

SSTD0.479

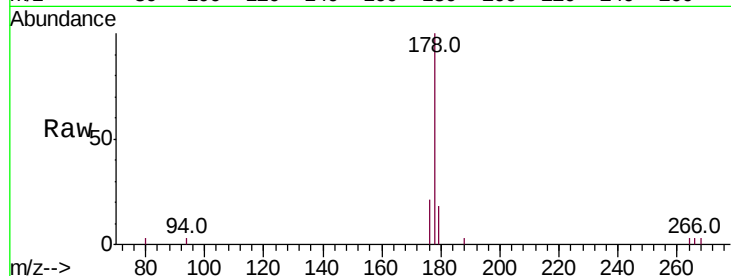
Tot Ion:178 Resp: 2553

Ion Ratio Lower Upper

178 100

179 17.7 14.2 21.2

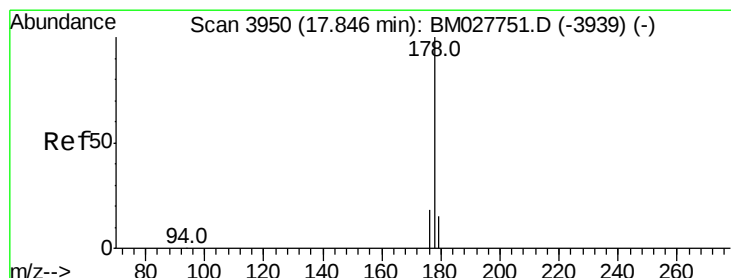
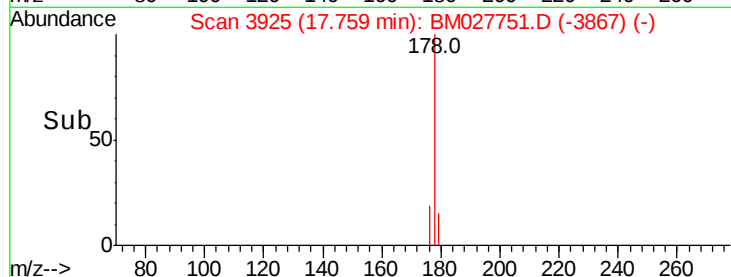
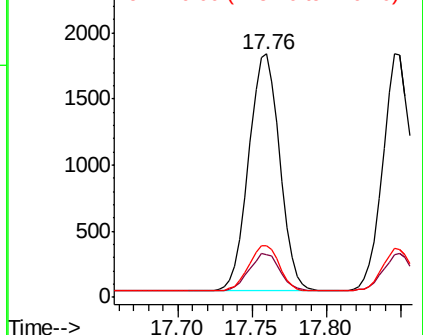
176 21.1 16.9 25.3



Abundance Ion 178.00 (177.70 to 178.70): E

2500 Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.517 ng/ul

RT: 17.85 min Scan# 3950

Delta R.T. 0.00 min

Lab File: BM027751.D

Acq: 09 Nov 2020 11:15

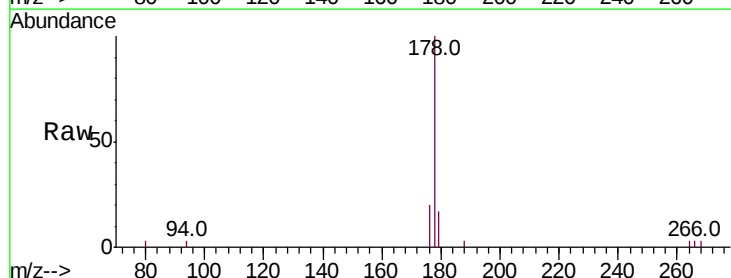
Tgt Ion:178 Resp: 2501

Ion Ratio Lower Upper

178 100

179 17.3 13.8 20.8

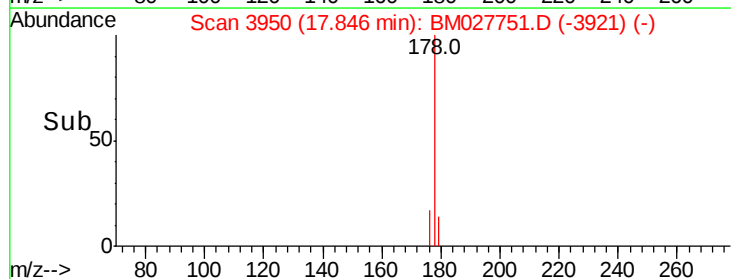
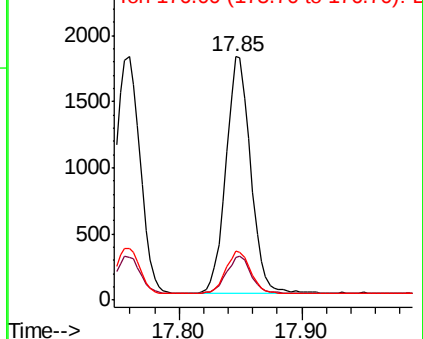
176 20.3 16.2 24.4

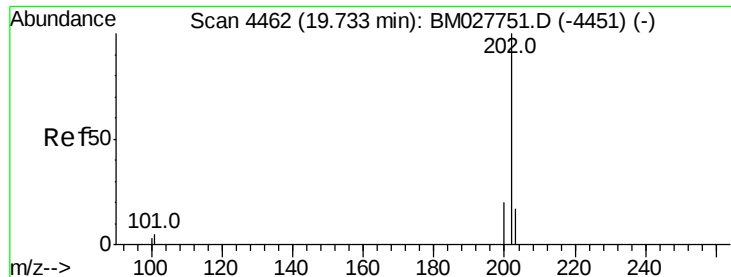


Abundance Ion 178.00 (177.70 to 178.70): E

2500 Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.488 ng/ul

RT: 19.73 min Scan# 4462

Delta R.T. 0.00 min

Lab File: BM027751.D

Acq: 09 Nov 2020 11:15

Instrument :

BNA_M

ClientSampleId :

SSTD0.479

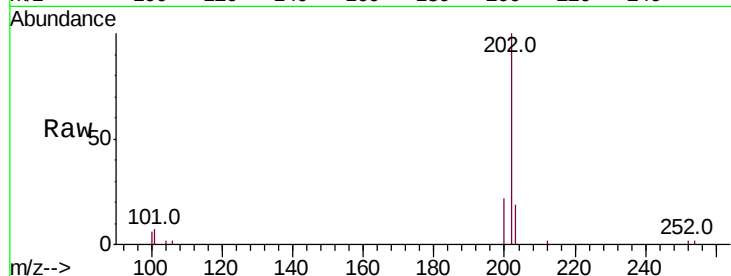
Tot Ion:202 Resp: 2905

Ion Ratio Lower Upper

202 100

101 7.5 0.0 27.5

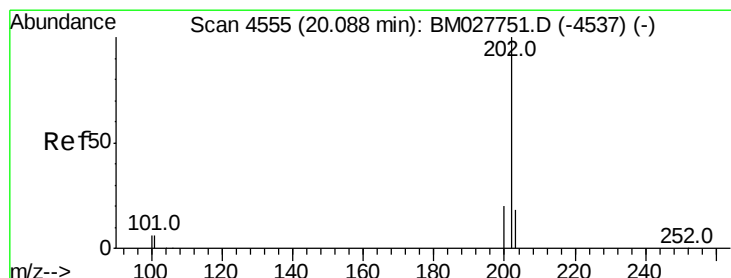
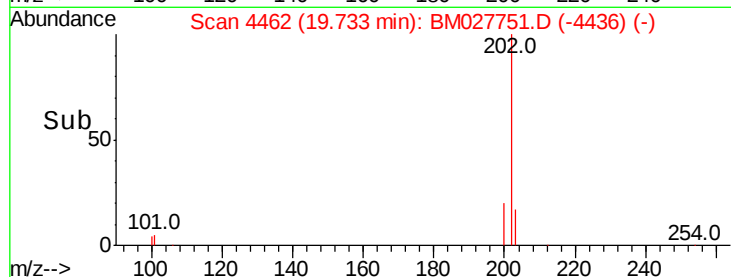
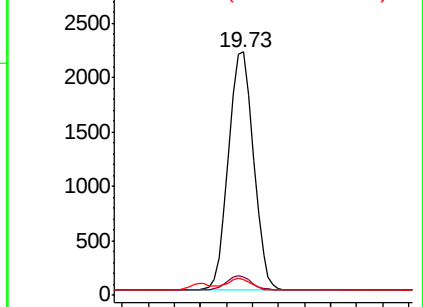
100 6.3 0.0 26.3



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: 0.476 ng/ul

RT: 20.09 min Scan# 4555

Delta R.T. 0.00 min

Lab File: BM027751.D

Acq: 09 Nov 2020 11:15

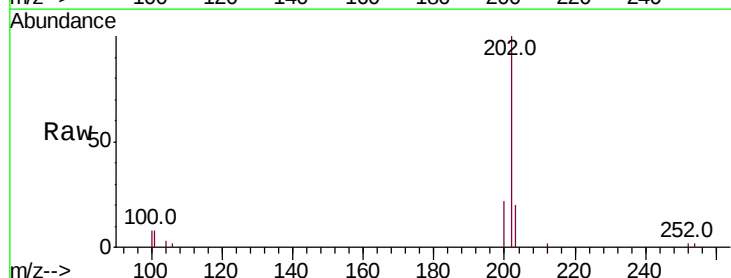
Tgt Ion:202 Resp: 2891

Ion Ratio Lower Upper

202 100

101 8.2 6.6 9.8

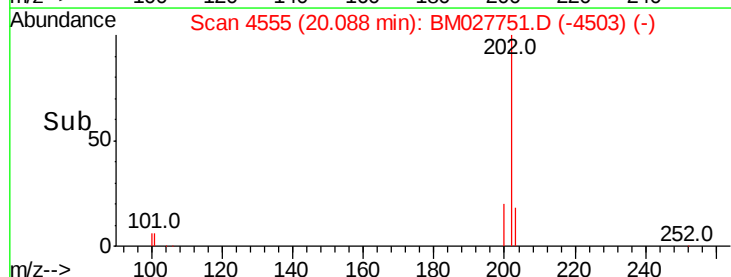
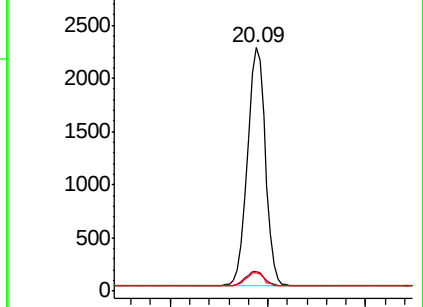
100 7.6 6.1 9.1

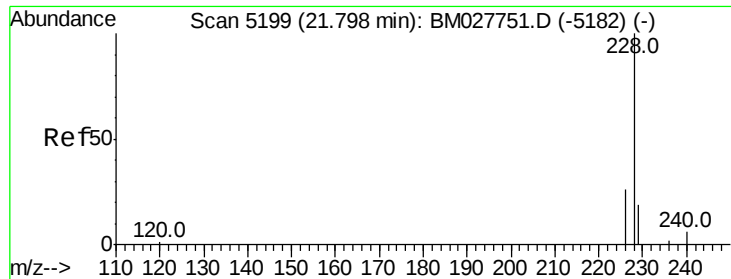


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.492 ng/ul

RT: 21.80 min Scan# 5199

Delta R.T. 0.00 min

Lab File: BM027751.D

Acq: 09 Nov 2020 11:15

Instrument :

BNA_M

ClientSampleId :

SSTD0.479

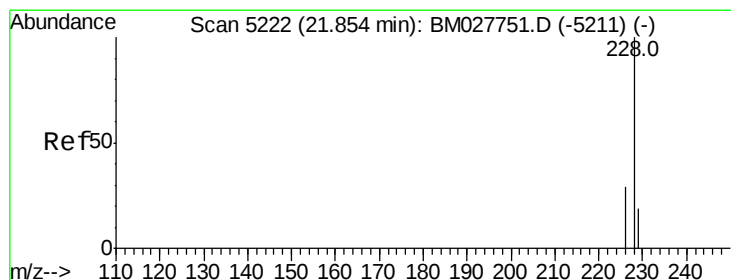
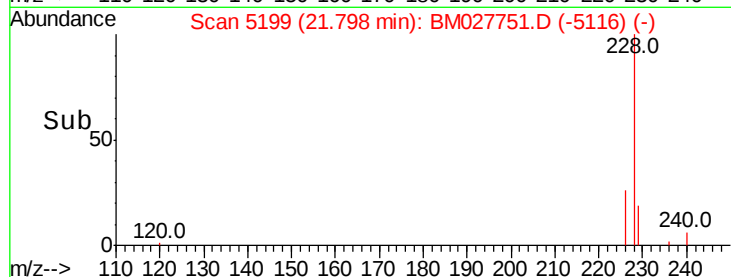
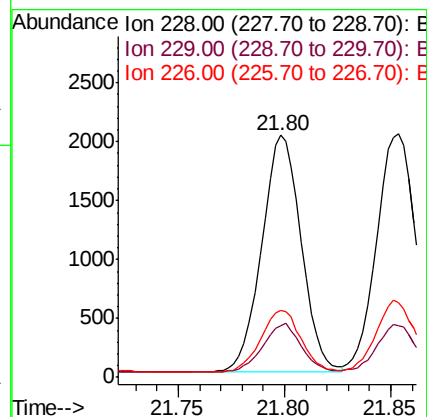
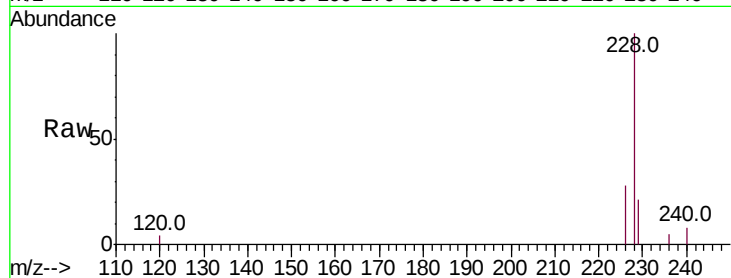
Tot Ion:228 Resp: 2570

Ion Ratio Lower Upper

228 100

229 21.3 17.0 25.6

226 27.6 22.1 33.1



#19

Chrysene

Concen: 0.581 ng/ul

RT: 21.85 min Scan# 5222

Delta R.T. 0.00 min

Lab File: BM027751.D

Acq: 09 Nov 2020 11:15

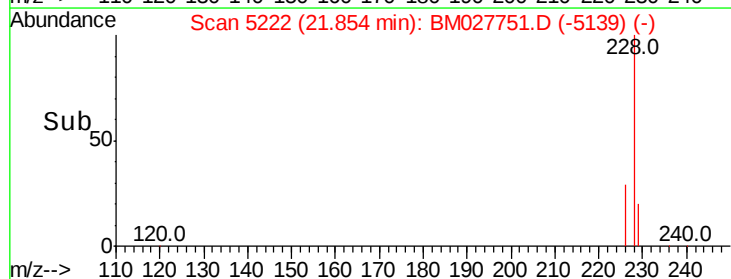
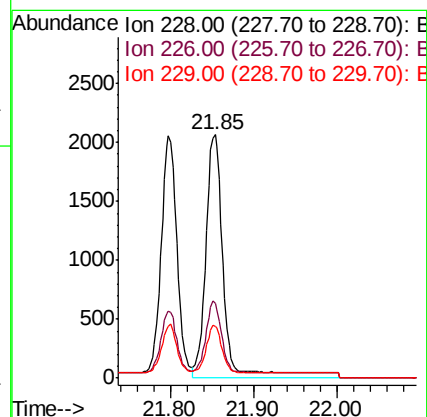
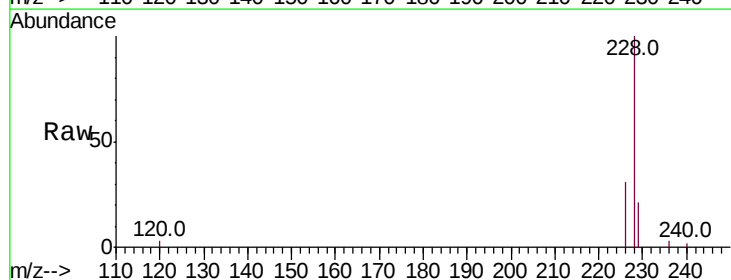
Tgt Ion:228 Resp: 3143

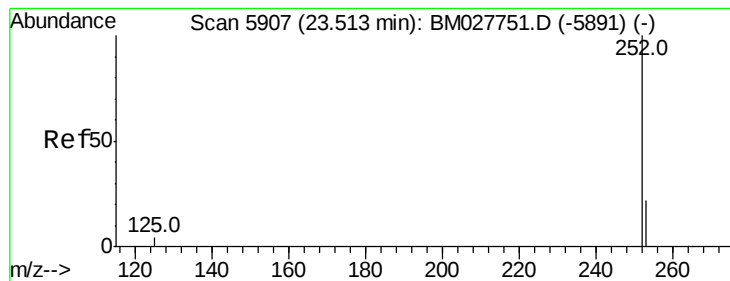
Ion Ratio Lower Upper

228 100

226 30.9 24.7 37.1

229 21.4 17.1 25.7





#21

Benzo(b)fluoranthene

Concen: 0.540 ng/ul

RT: 23.51 min Scan# 5907

Delta R.T. 0.00 min

Lab File: BM027751.D

Acq: 09 Nov 2020 11:15

Instrument :

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ClientSampleId :

SSTD0.479

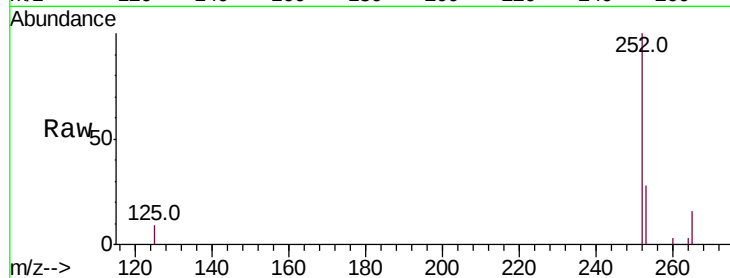
Tot Ion:252 Resp: 2422

Ion Ratio Lower Upper

252 100

253 28.0 0.0 56.0

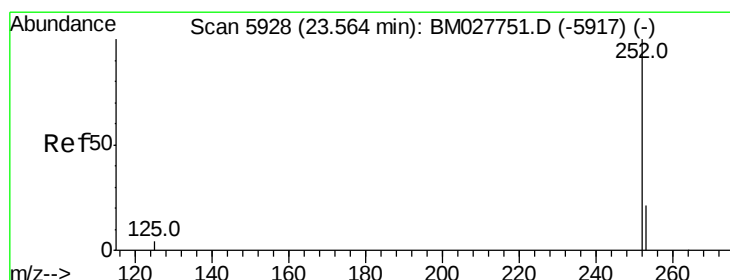
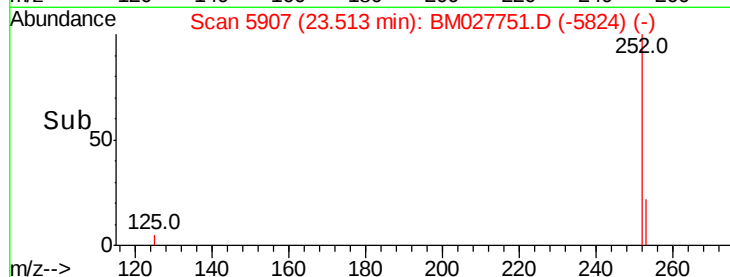
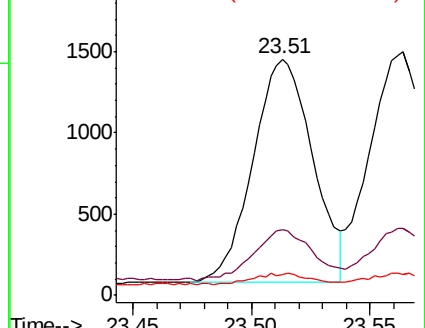
125 9.1 0.0 18.2



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



#22

Benzo(k)fluoranthene

Concen: 0.531 ng/ul

RT: 23.56 min Scan# 5928

Delta R.T. 0.00 min

Lab File: BM027751.D

Acq: 09 Nov 2020 11:15

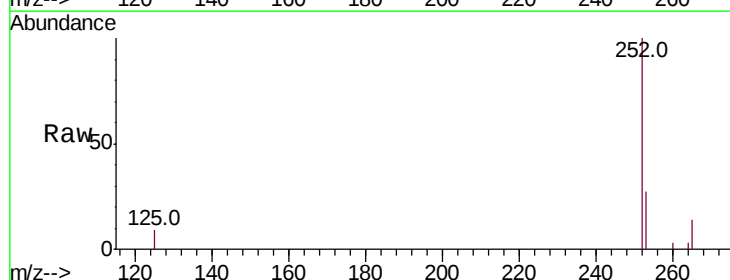
Tgt Ion:252 Resp: 2476

Ion Ratio Lower Upper

252 100

253 27.3 21.8 32.8

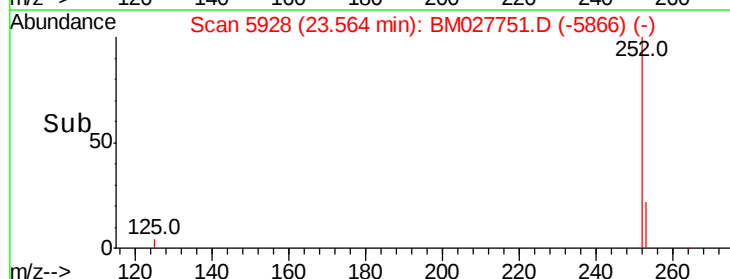
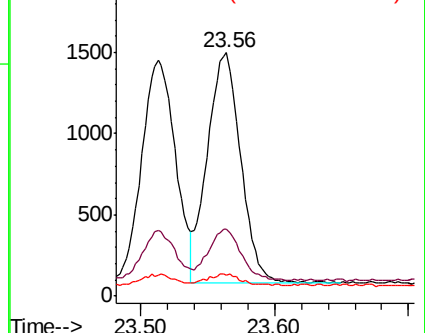
125 8.7 7.0 10.4

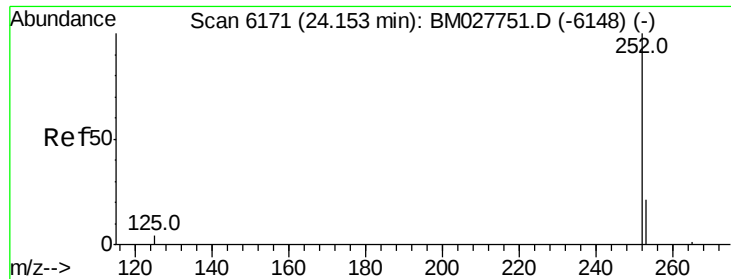


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.531 ng/ul

RT: 24.15 min Scan# 6171

Delta R.T. 0.00 min

Lab File: BM027751.D

Acq: 09 Nov 2020 11:15

Instrument :

BNA_M

ClientSampleId :

SSTD0.479

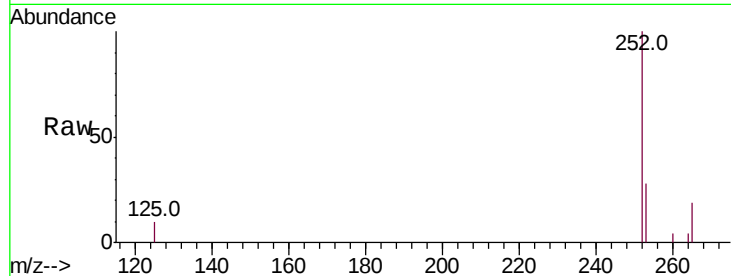
Tot Ion:252 Resp: 2135

Ion Ratio Lower Upper

252 100

253 28.0 22.4 33.6

125 9.7 7.8 11.6

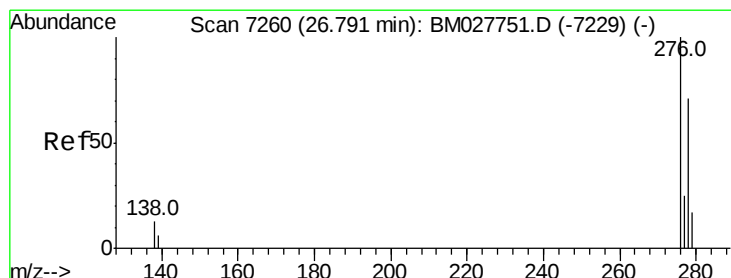
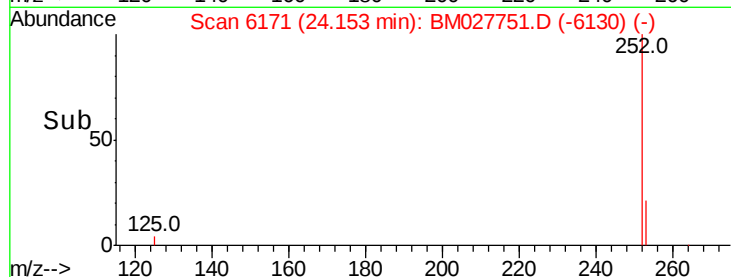
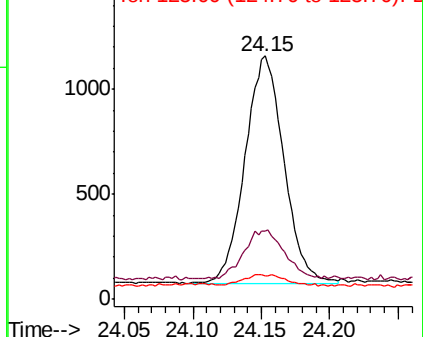


Abundance

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: 0.486 ng/ul

RT: 26.79 min Scan# 7260

Delta R.T. 0.00 min

Lab File: BM027751.D

Acq: 09 Nov 2020 11:15

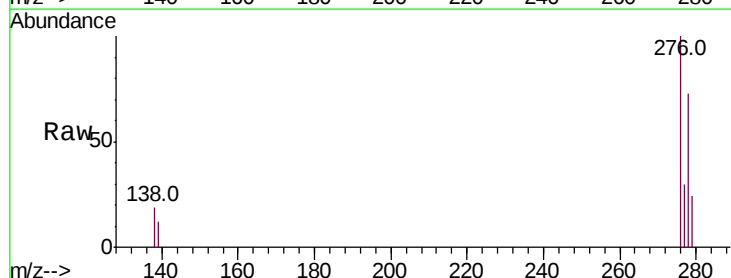
Tgt Ion:276 Resp: 2516

Ion Ratio Lower Upper

276 100

138 13.2 10.6 15.8

227 0.0 0.0 0.0

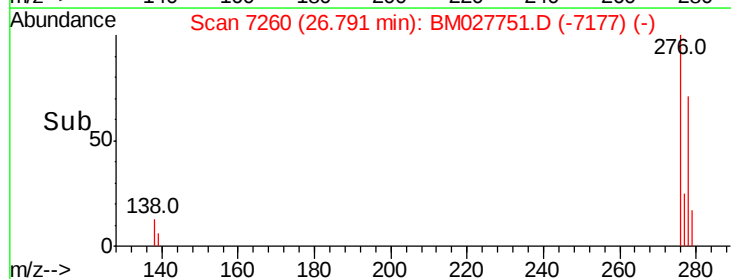
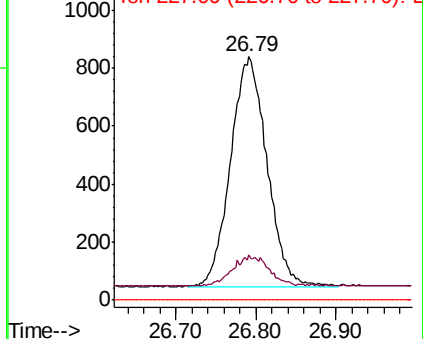


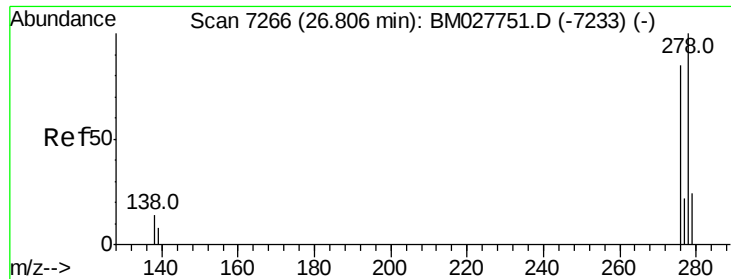
Abundance

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



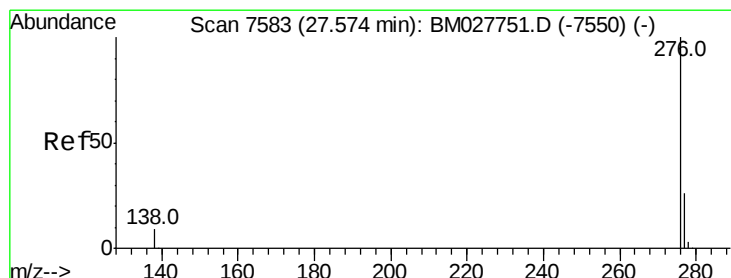
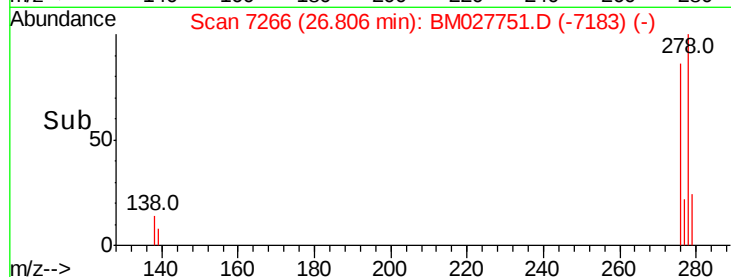
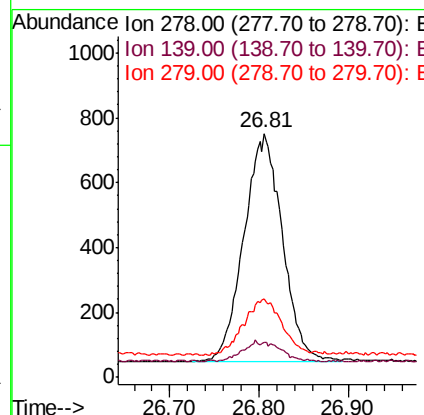
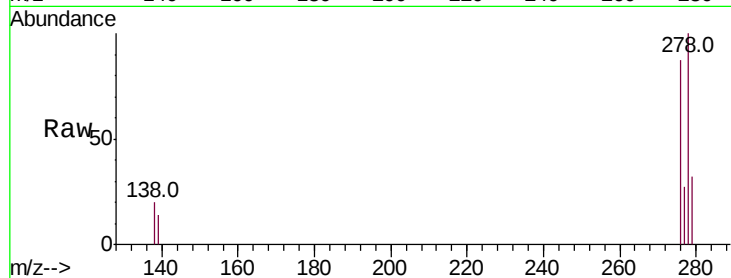


#25
Dibenzo(a,h)anthracene
Concen: 0.493 ng/uL
RT: 26.81 min Scan# 7266
Delta R.T. 0.00 min
Lab File: BM027751.D
Acq: 09 Nov 2020 11:15

Instrument :
BNA_M
ClientSampleId :
SSTD0.479

Tot Ion:278 Resp: 2107

Ion	Ratio	Lower	Upper
278	100		
139	14.4	11.5	17.3
279	32.0	25.6	38.4



#26
Benzo(g,h,i)perylene
Concen: 0.495 ng/uL
RT: 27.57 min Scan# 7583
Delta R.T. 0.00 min
Lab File: BM027751.D
Acq: 09 Nov 2020 11:15

Tgt Ion:276 Resp: 2161

Ion	Ratio	Lower	Upper
276	100		
138	15.7	12.6	18.8
277	31.1	24.9	37.3

