

Data File : BM027596.D
Acq On : 03 Oct 2020 00:12
Operator : JU/CG
Sample : SSTDC00.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.403

Quant Time: Oct 03 01:39:33 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM092320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 02 13:04:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1222	0.40	ng/ul	0.00
2) Naphthalene-d8	10.58	136	3529	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.42	164	2418	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.17	188	6047	0.40	ng/ul	0.00
16) Chrysene-d12	21.34	240	6495	0.40	ng/ul	0.00
20) Perylene-d12	23.60	264	6804	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.17	152	2347	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.19	212	7043	0.43	ng/ul	0.00

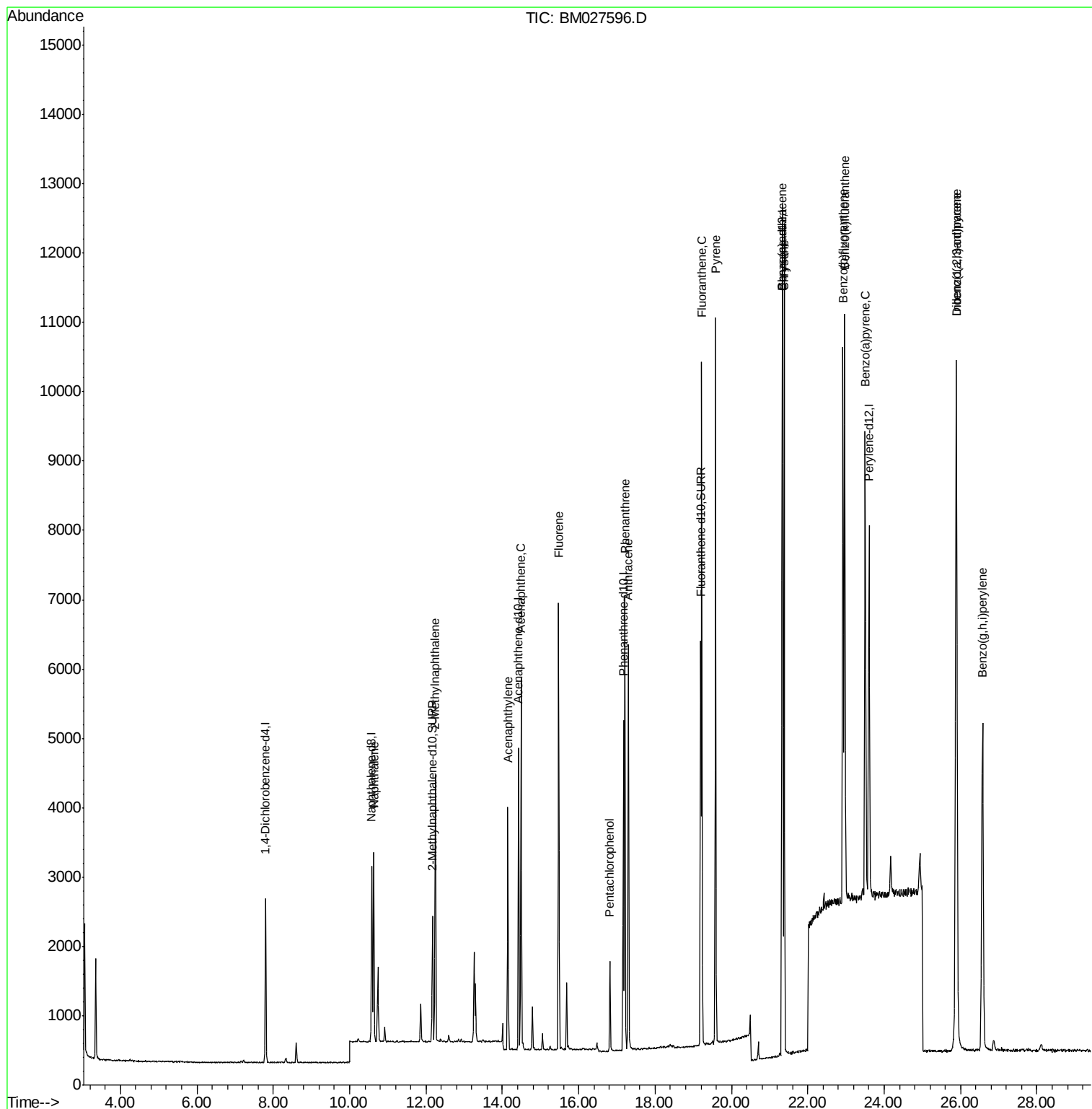
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.63	128	3654	0.354	ng/ul	97
5) 2-Methylnaphthalene	12.25	142	2638	0.351	ng/ul	100
7) Acenaphthylene	14.14	152	3887	0.315	ng/ul	99
8) Acenaphthene	14.49	153	3028	0.345	ng/ul	96
9) Fluorene	15.48	166	3859	0.355	ng/ul	99
11) Pentachlorophenol	16.82	266	844	0.513	ng/ul	97
12) Phenanthrene	17.21	178	6742	0.361	ng/ul	99
13) Anthracene	17.30	178	6252	0.343	ng/ul	98
15) Fluoranthene	19.22	202	9065	0.404	ng/ul	98
17) Pyrene	19.58	202	9214	0.311	ng/ul#	97
18) Benzo(a)anthracene	21.33	228	9322	0.366	ng/ul	99
19) Chrysene	21.38	228	9797	0.371	ng/ul	99
21) Benzo(b)fluoranthene	22.92	252	10409	0.380	ng/ul	94
22) Benzo(k)fluoranthene	22.97	252	10909	0.383	ng/ul	95
23) Benzo(a)pyrene	23.50	252	9562	0.390	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	25.88	276	12981	0.411	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.90	278	10673	0.409	ng/ul	97
26) Benzo(g,h,i)perylene	26.58	276	10849	0.407	ng/ul	97

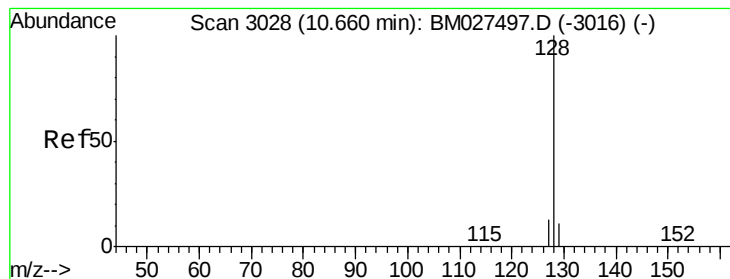
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.354 ng/ul

RT: 10.63 min Scan# 3022

Delta R.T. -0.00 min

Lab File: BM027596.D

Acq: 03 Oct 2020 00:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.403

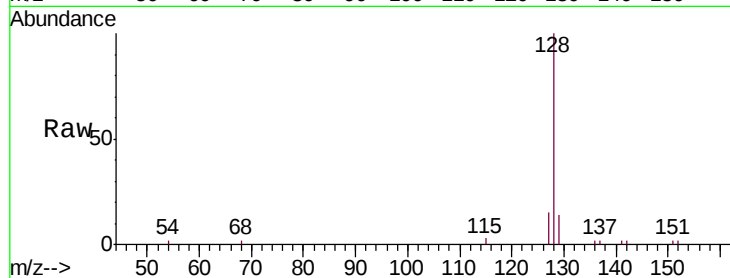
Tgt Ion:128 Resp: 3654

Ion Ratio Lower Upper

128 100

129 13.5 9.9 14.9

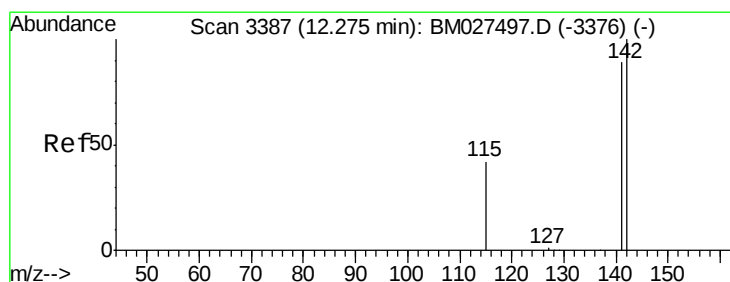
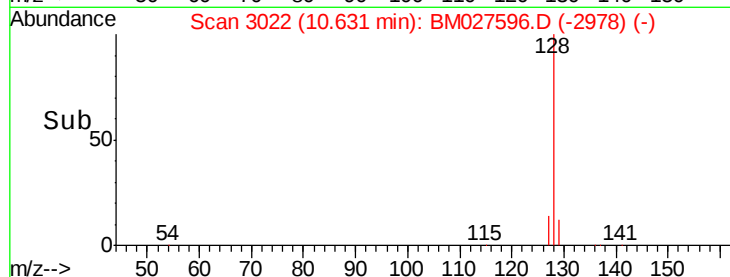
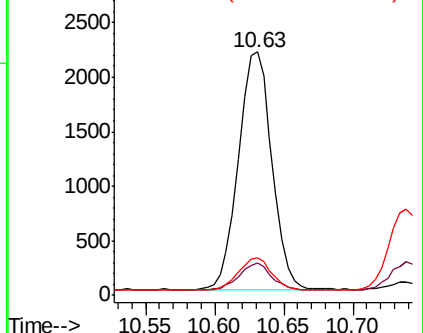
127 15.4 11.4 17.2



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: 0.351 ng/ul

RT: 12.25 min Scan# 3381

Delta R.T. -0.00 min

Lab File: BM027596.D

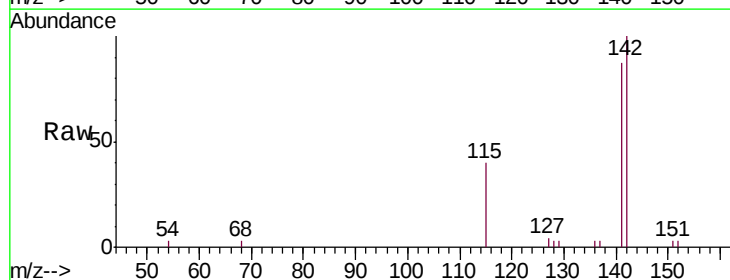
Acq: 03 Oct 2020 00:12

Tgt Ion:142 Resp: 2638

Ion Ratio Lower Upper

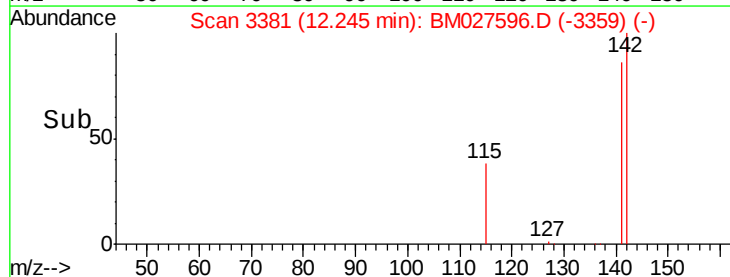
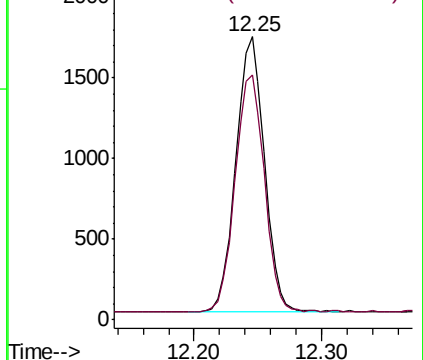
142 100

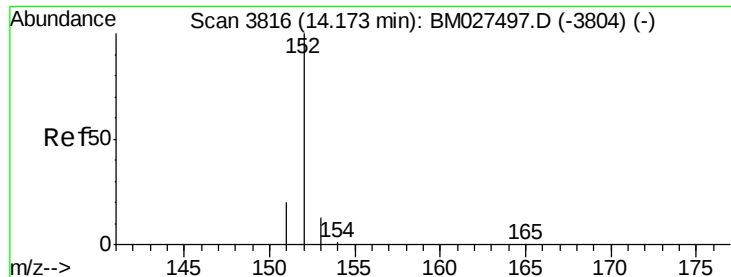
141 88.3 70.9 106.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.315 ng/ul

RT: 14.14 min Scan# 3809

Delta R.T. -0.01 min

Lab File: BM027596.D

Acq: 03 Oct 2020 00:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.403

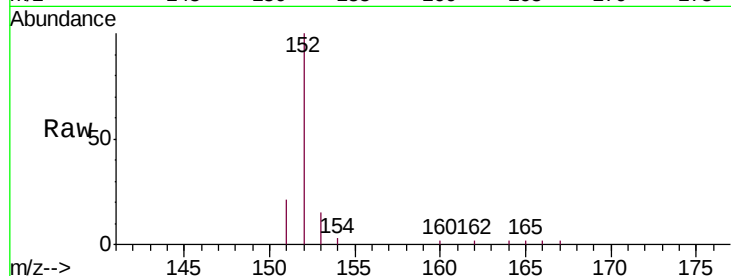
Tgt Ion:152 Resp: 3887

Ion Ratio Lower Upper

152 100

151 20.9 16.6 24.8

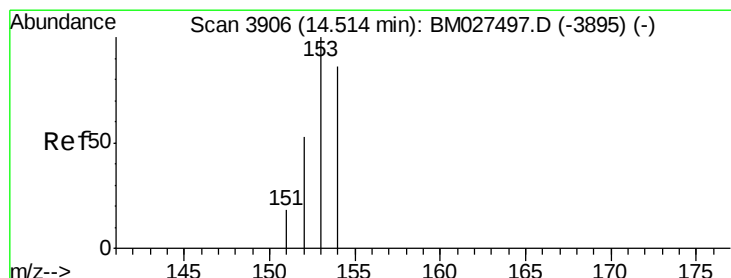
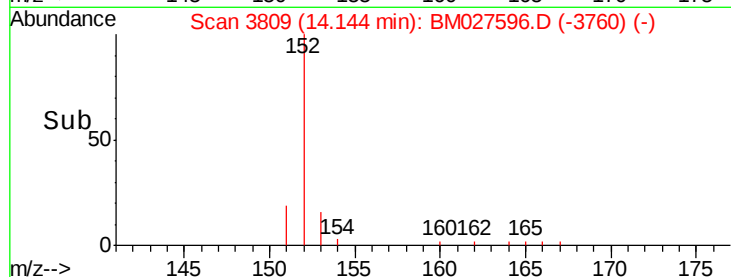
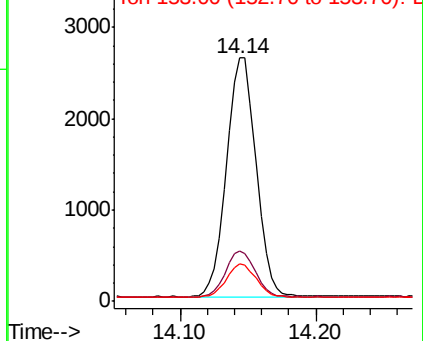
153 15.3 11.4 17.0



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: 0.345 ng/ul

RT: 14.49 min Scan# 3900

Delta R.T. -0.01 min

Lab File: BM027596.D

Acq: 03 Oct 2020 00:12

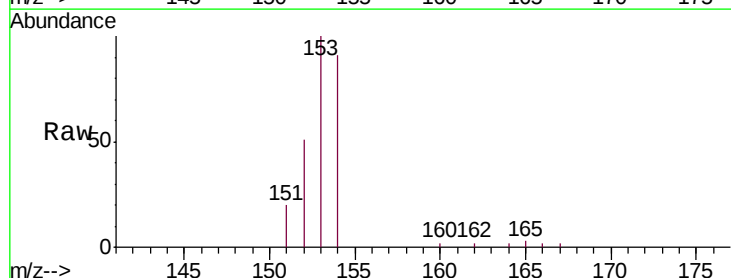
Tgt Ion:153 Resp: 3028

Ion Ratio Lower Upper

153 100

152 50.8 42.8 64.2

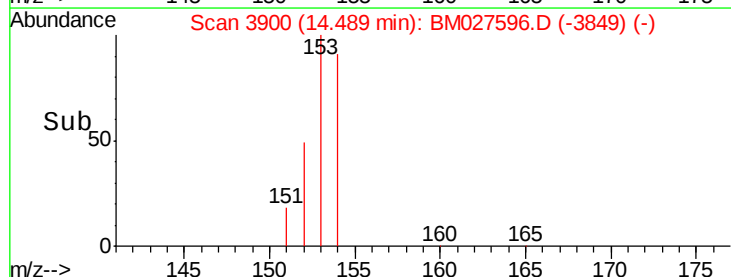
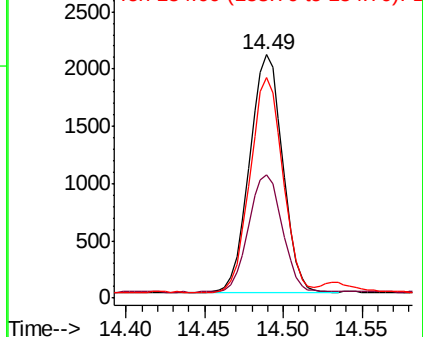
154 90.8 69.0 103.6

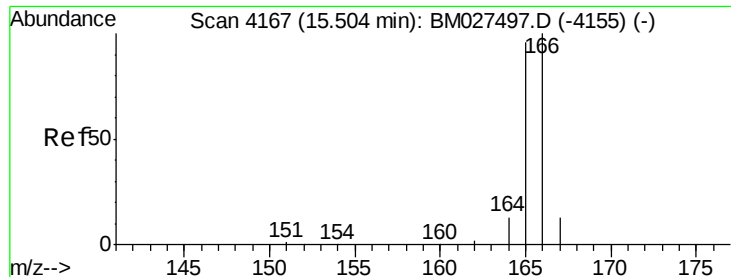


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.355 ng/ul

RT: 15.48 min Scan# 4160

Delta R.T. -0.00 min

Lab File: BM027596.D

Acq: 03 Oct 2020 00:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.403

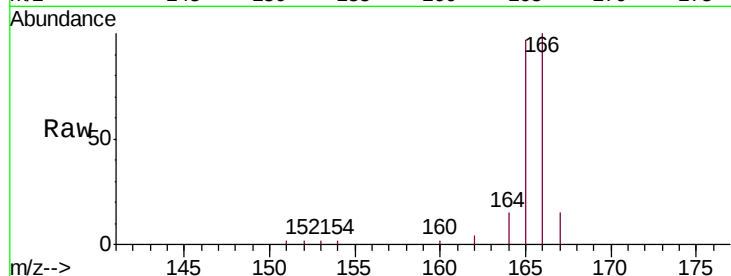
Tgt Ion:166 Resp: 3859

Ion Ratio Lower Upper

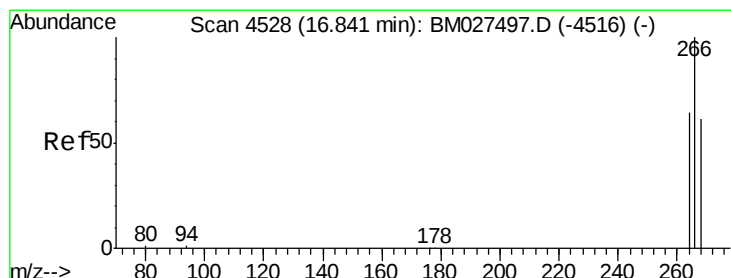
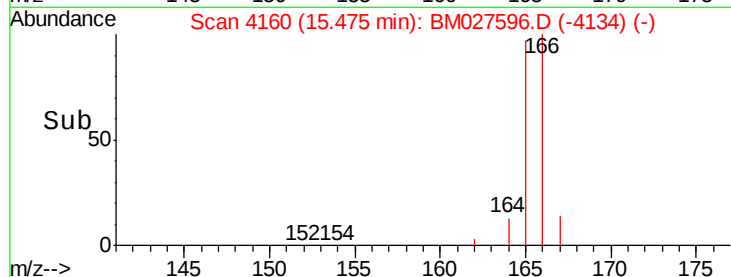
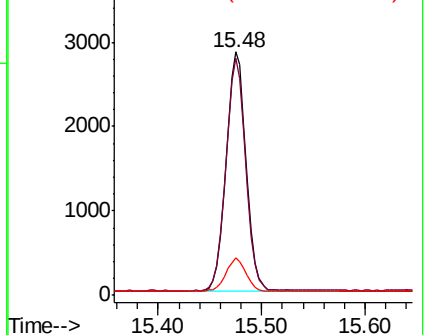
166 100

165 97.3 77.2 115.8

167 15.3 11.1 16.7



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: 0.513 ng/ul

RT: 16.82 min Scan# 4522

Delta R.T. -0.00 min

Lab File: BM027596.D

Acq: 03 Oct 2020 00:12

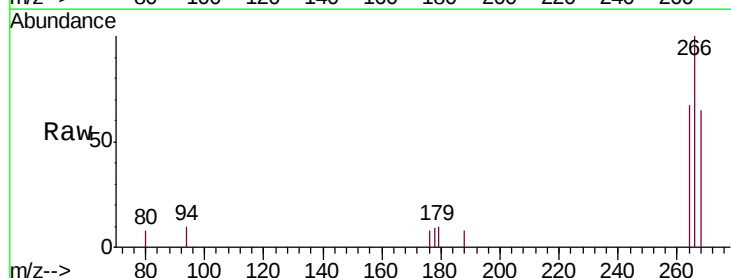
Tgt Ion:266 Resp: 844

Ion Ratio Lower Upper

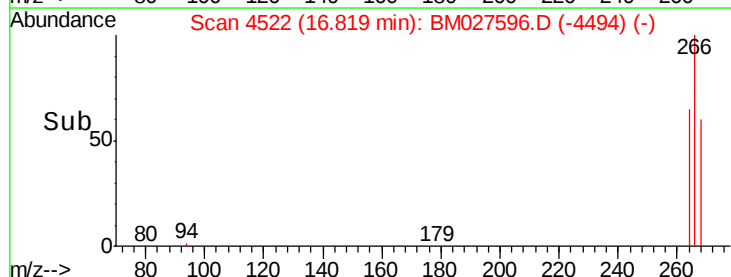
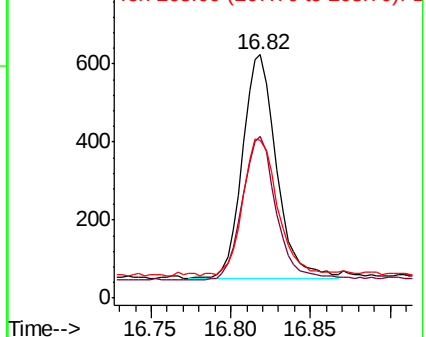
266 100

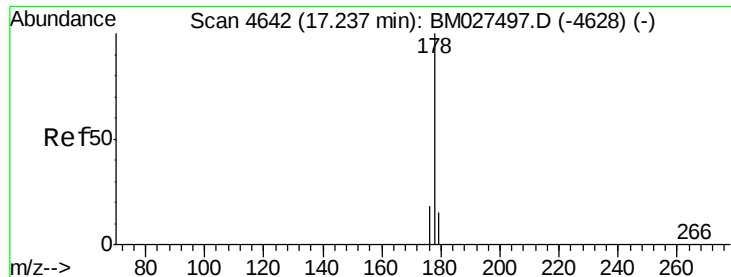
264 64.7 50.2 75.4

268 65.8 50.2 75.4



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: 0.361 ng/ul

RT: 17.21 min Scan# 4634

Delta R.T. -0.01 min

Lab File: BM027596.D

Acq: 03 Oct 2020 00:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.403

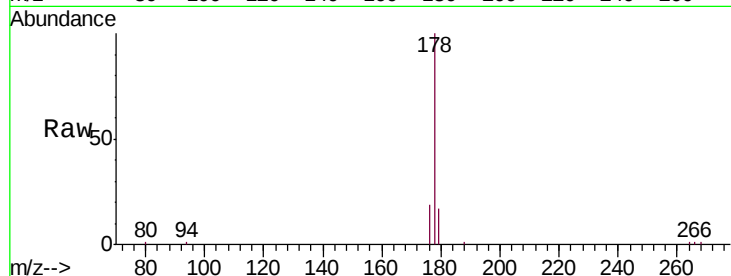
Tgt Ion:178 Resp: 6742

Ion Ratio Lower Upper

178 100

179 16.5 12.9 19.3

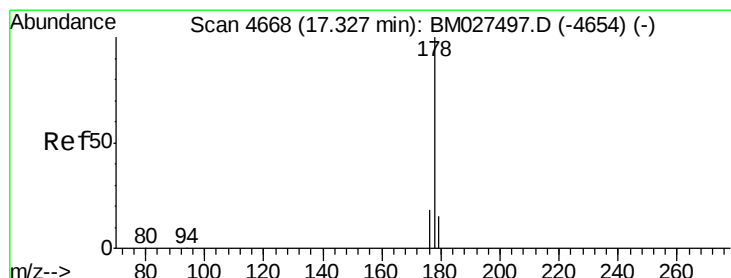
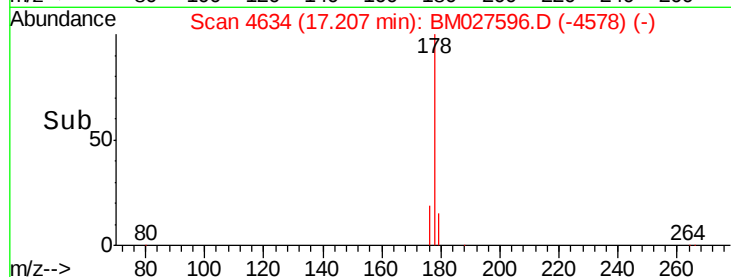
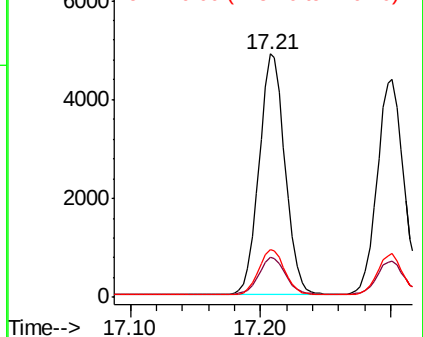
176 19.5 15.3 22.9



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: 0.343 ng/ul

RT: 17.30 min Scan# 4661

Delta R.T. -0.00 min

Lab File: BM027596.D

Acq: 03 Oct 2020 00:12

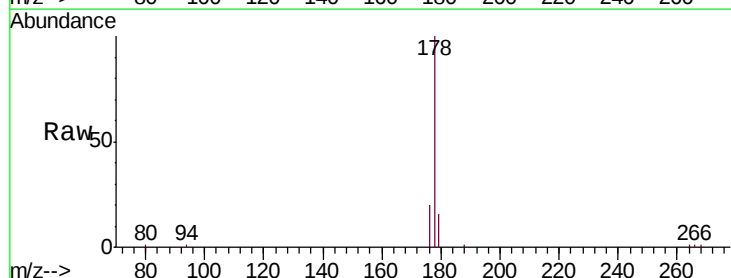
Tgt Ion:178 Resp: 6252

Ion Ratio Lower Upper

178 100

179 16.4 13.0 19.4

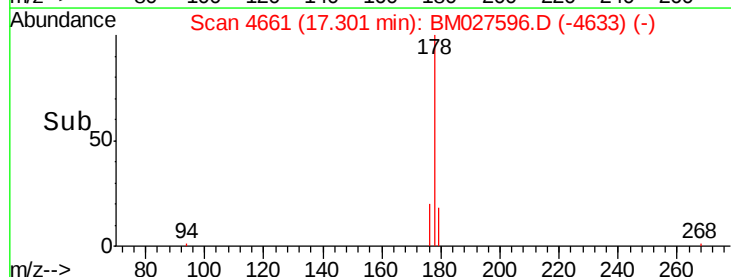
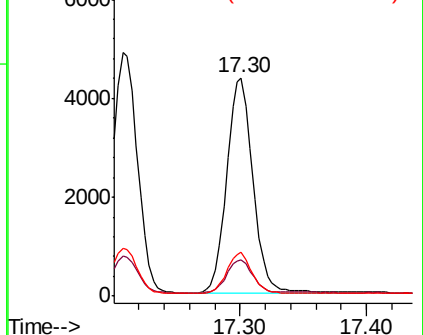
176 20.2 15.2 22.8

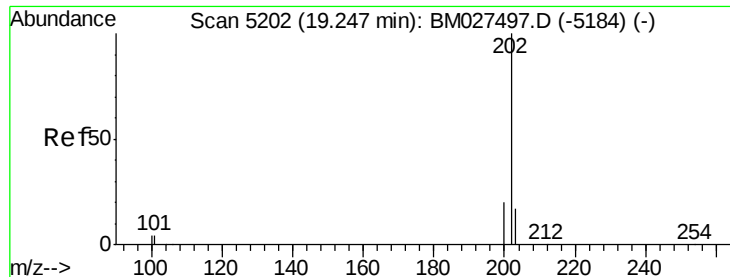


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

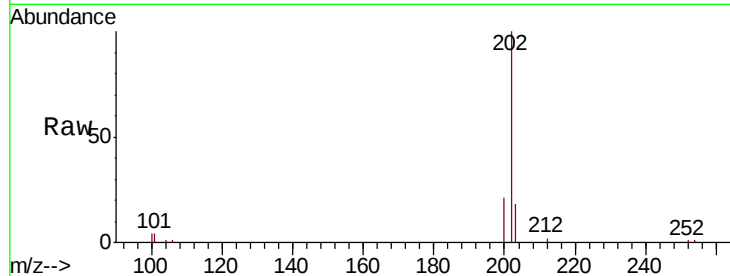




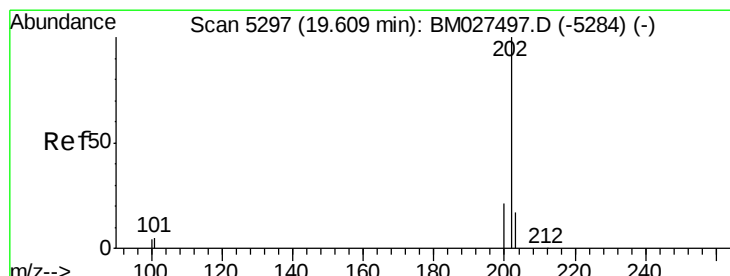
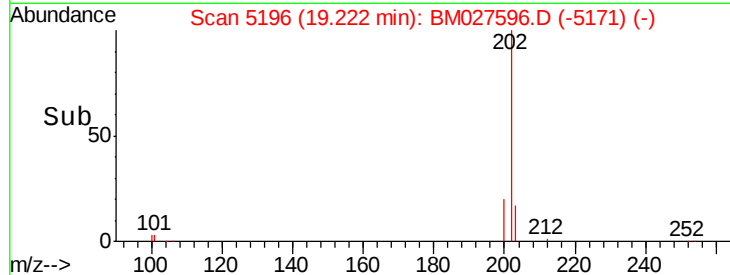
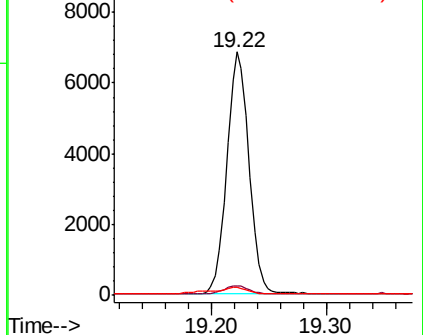
#15
Fluoranthene
 Concen: 0.404 ng/ul
 RT: 19.22 min Scan# 5196
 Delta R.T. -0.01 min
 Lab File: BM027596.D
 Acq: 03 Oct 2020 00:12

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 SST0.403

Tgt Ion:	202	Resp:	9065
Ion	Ratio	Lower	Upper
202	100		
101	4.0	0.0	24.9
100	3.5	0.0	24.1

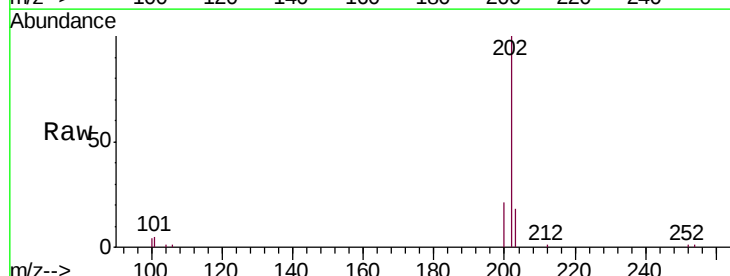


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

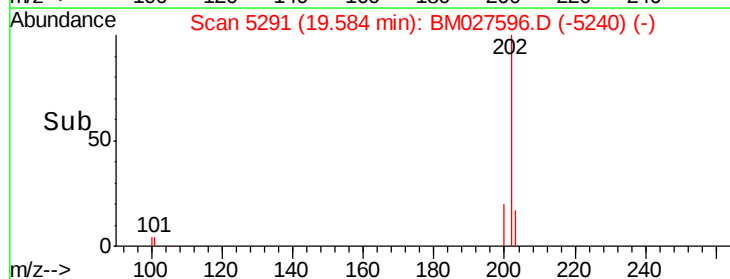
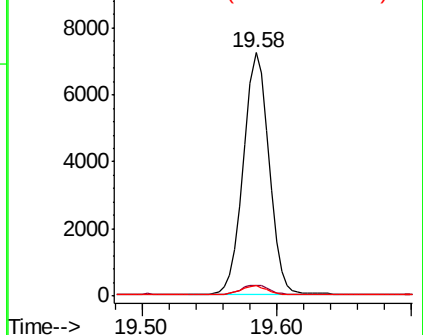


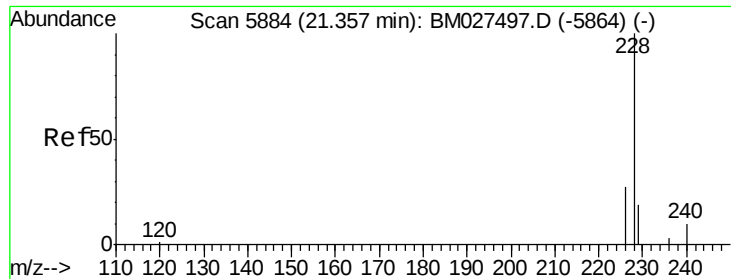
#17
Pyrene
 Concen: 0.311 ng/ul
 RT: 19.58 min Scan# 5291
 Delta R.T. -0.01 min
 Lab File: BM027596.D
 Acq: 03 Oct 2020 00:12

Tgt Ion:	202	Resp:	9214
Ion	Ratio	Lower	Upper
202	100		
101	4.5	4.7	7.1#
100	4.3	3.9	5.9



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: 0.366 ng/ul

RT: 21.33 min Scan# 5872

Delta R.T. -0.01 min

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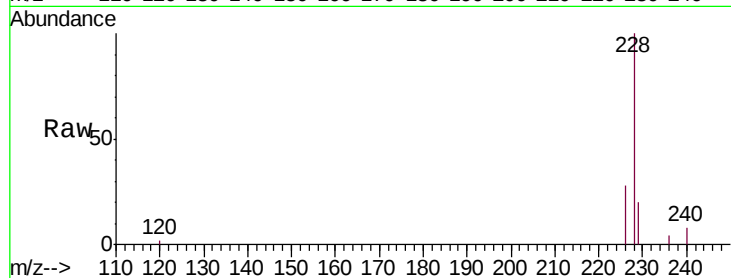
Tgt Ion:228 Resp: 9322

Ion Ratio Lower Upper

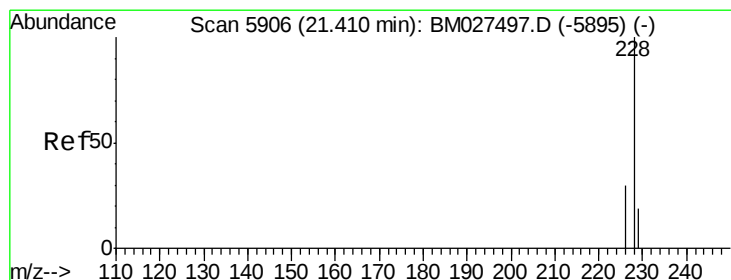
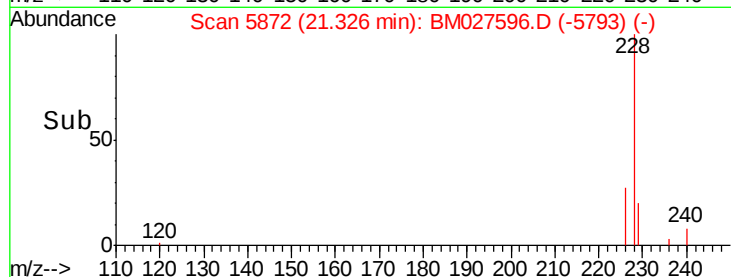
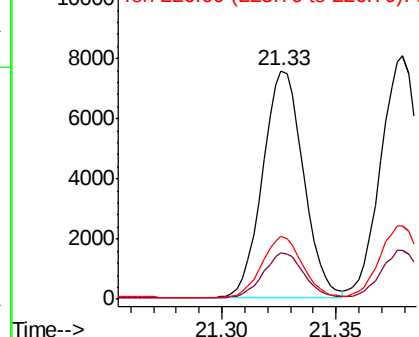
228 100

229 20.2 15.6 23.4

226 27.7 21.8 32.8



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: 0.371 ng/ul

RT: 21.38 min Scan# 5894

Delta R.T. -0.01 min

Lab File: BM027596.D

Acq: 03 Oct 2020 00:12

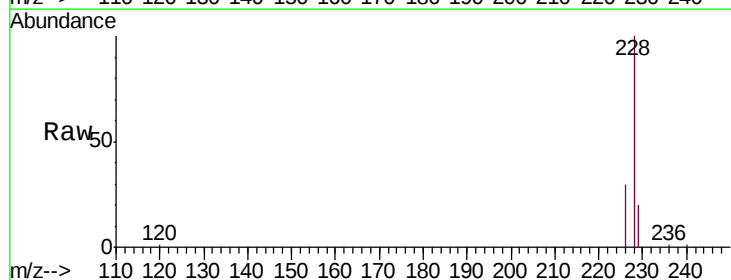
Tgt Ion:228 Resp: 9797

Ion Ratio Lower Upper

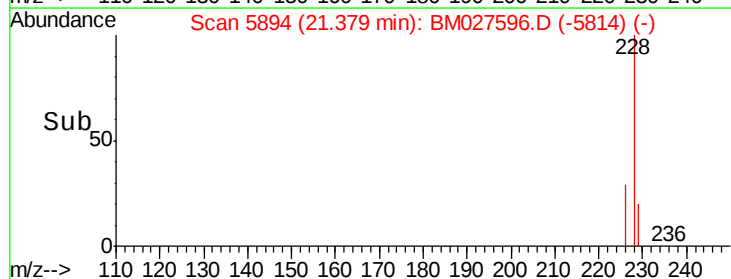
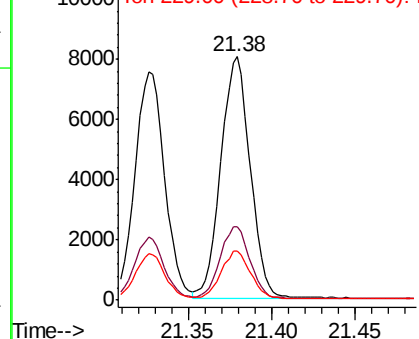
228 100

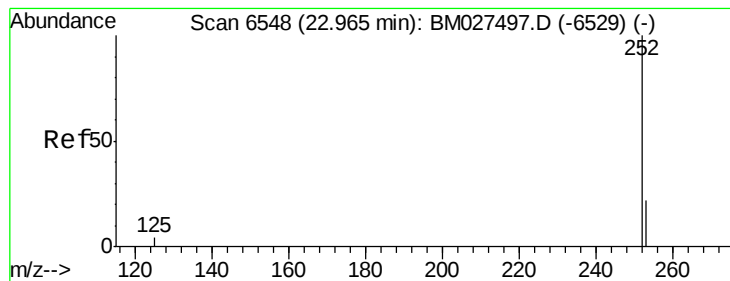
226 29.9 24.2 36.4

229 20.1 15.8 23.8



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: 0.380 ng/ul

RT: 22.92 min Scan# 6531

Delta R.T. -0.01 min

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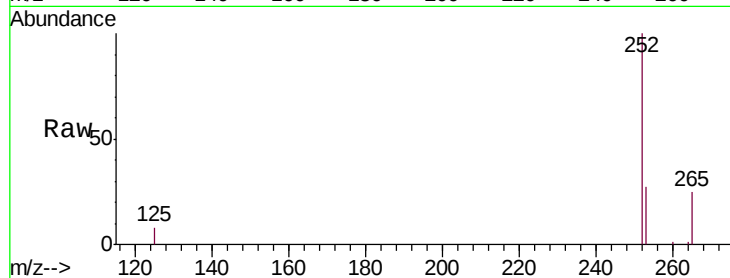
Tgt Ion:252 Resp: 10409

Ion Ratio Lower Upper

252 100

253 27.1 0.0 48.2

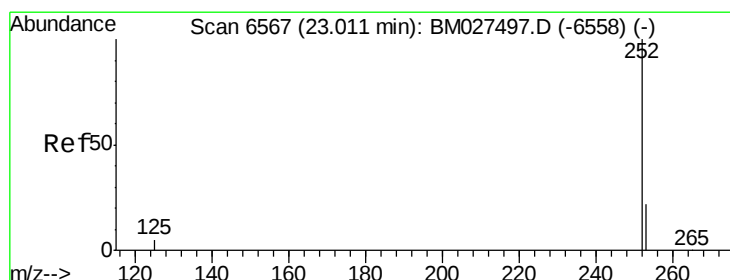
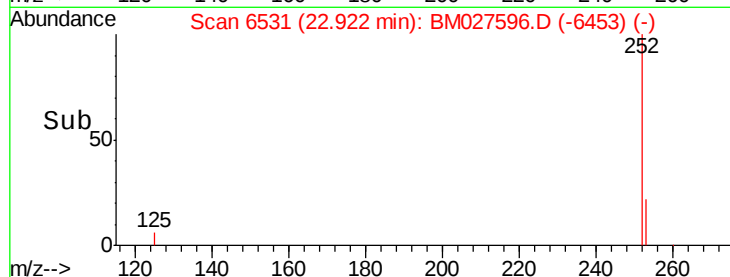
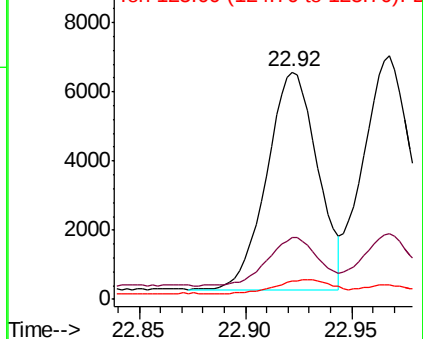
125 7.9 0.0 10.6



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



#22

Benzo(k)fluoranthene

Concen: 0.383 ng/ul

RT: 22.97 min Scan# 6550

Delta R.T. -0.01 min

Lab File: BM027596.D

Acq: 03 Oct 2020 00:12

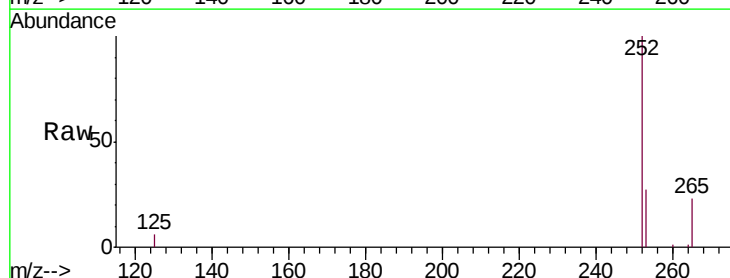
Tgt Ion:252 Resp: 10909

Ion Ratio Lower Upper

252 100

253 27.1 19.1 28.7

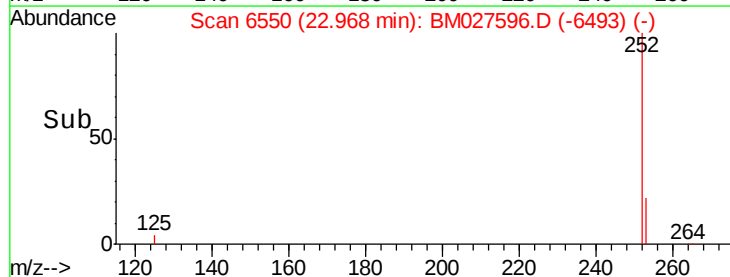
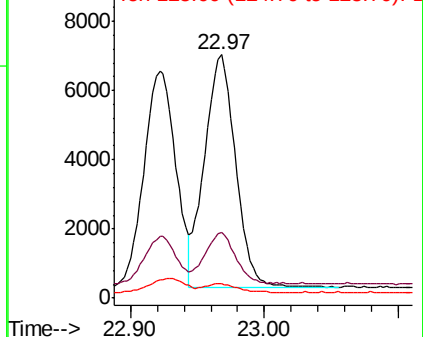
125 5.9 5.0 7.4

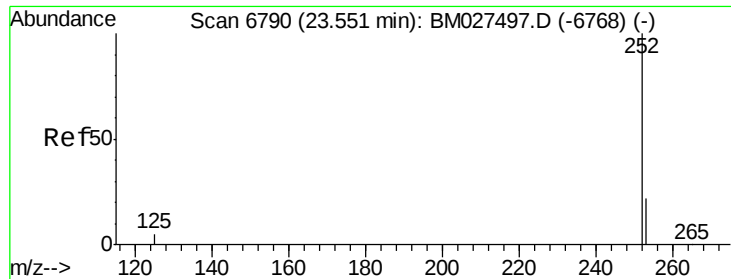


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.390 ng/u1

RT: 23.50 min Scan# 6771

Delta R.T. -0.01 min

Lab File: BM027596.D

Acq: 03 Oct 2020 00:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.403

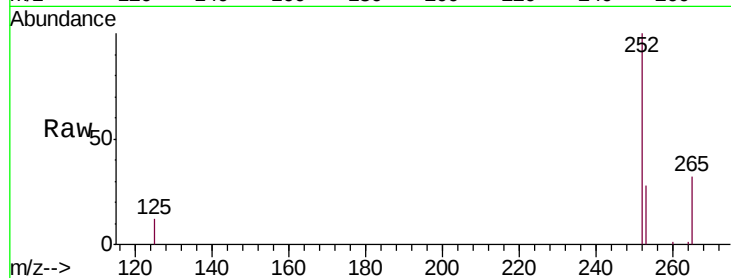
Tgt Ion:252 Resp: 9562

Ion Ratio Lower Upper

252 100

253 28.3 19.6 29.4

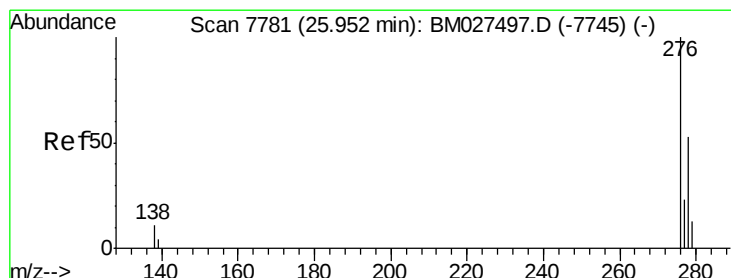
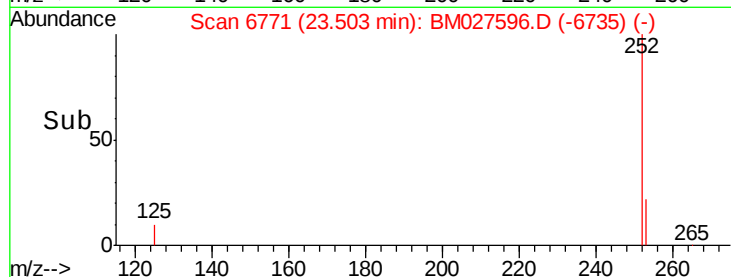
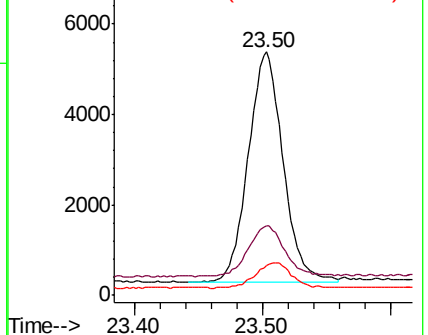
125 12.3 5.0 7.6#



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: 0.411 ng/u1

RT: 25.88 min Scan# 7753

Delta R.T. -0.01 min

Lab File: BM027596.D

Acq: 03 Oct 2020 00:12

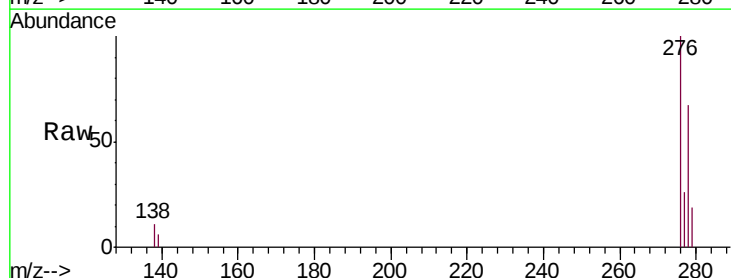
Tgt Ion:276 Resp: 12981

Ion Ratio Lower Upper

276 100

138 9.8 8.6 12.8

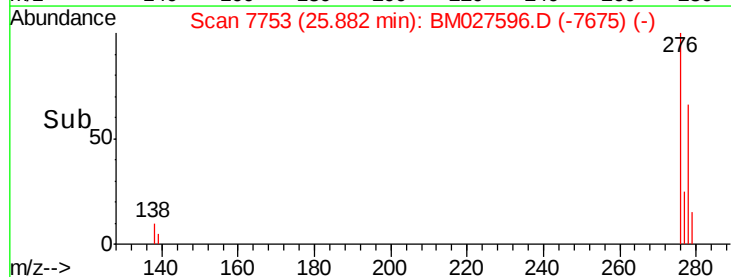
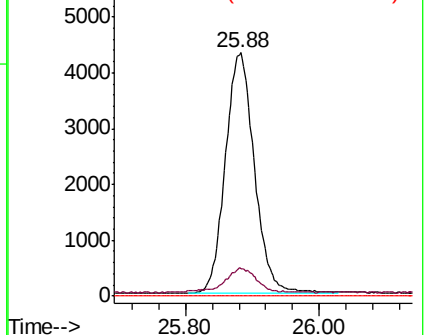
227 0.0 0.0 0.0

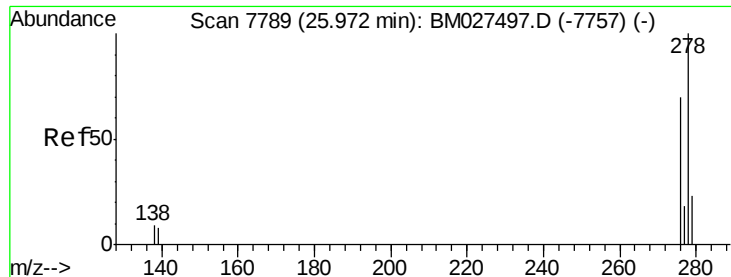


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.409 ng/u1

RT: 25.90 min Scan# 7759

Delta R.T. -0.01 min

Lab File: BM027596.D

Acq: 03 Oct 2020 00:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.403

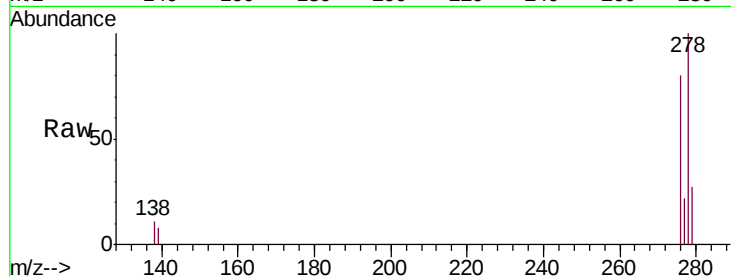
Tgt Ion:278 Resp: 10673

Ion Ratio Lower Upper

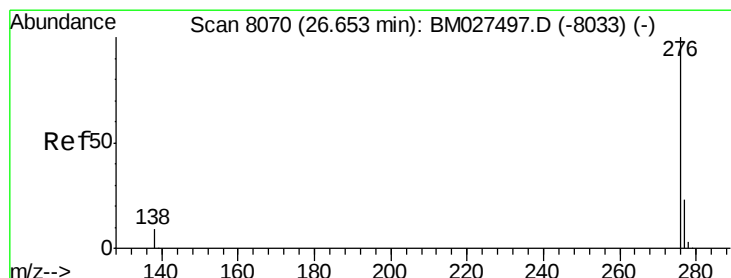
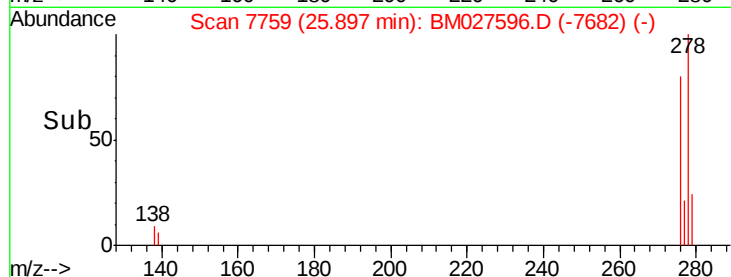
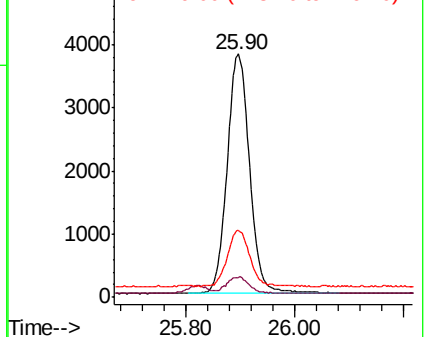
278 100

139 7.9 7.6 11.4

279 27.4 20.7 31.1



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: 0.407 ng/u1

RT: 26.58 min Scan# 8039

Delta R.T. -0.02 min

Lab File: BM027596.D

Acq: 03 Oct 2020 00:12

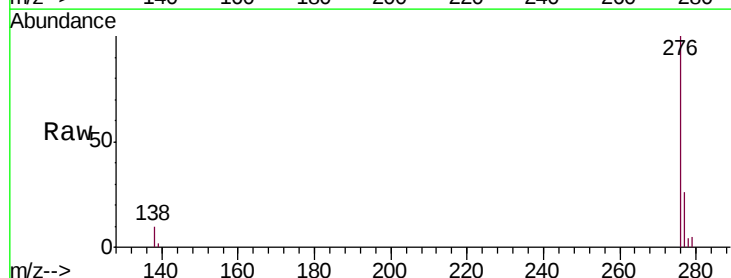
Tgt Ion:276 Resp: 10849

Ion Ratio Lower Upper

276 100

138 10.3 9.0 13.4

277 26.0 19.4 29.0



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

