

Data File : BM027594.D
Acq On : 02 Oct 2020 23:00
Operator : JU/CG
Sample : L4166-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE2

Quant Time: Oct 03 01:39:04 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	1170	0.40	ng/ul	0.00
2) Naphthalene-d8	10.58	136	3461	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	2558	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.17	188	6615	0.40	ng/ul	0.00
16) Chrysene-d12	21.34	240	7984	0.40	ng/ul	0.00
20) Perylene-d12	23.61	264	8594	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.17	152	1042	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.19	212	3913	0.22	ng/ul	0.00

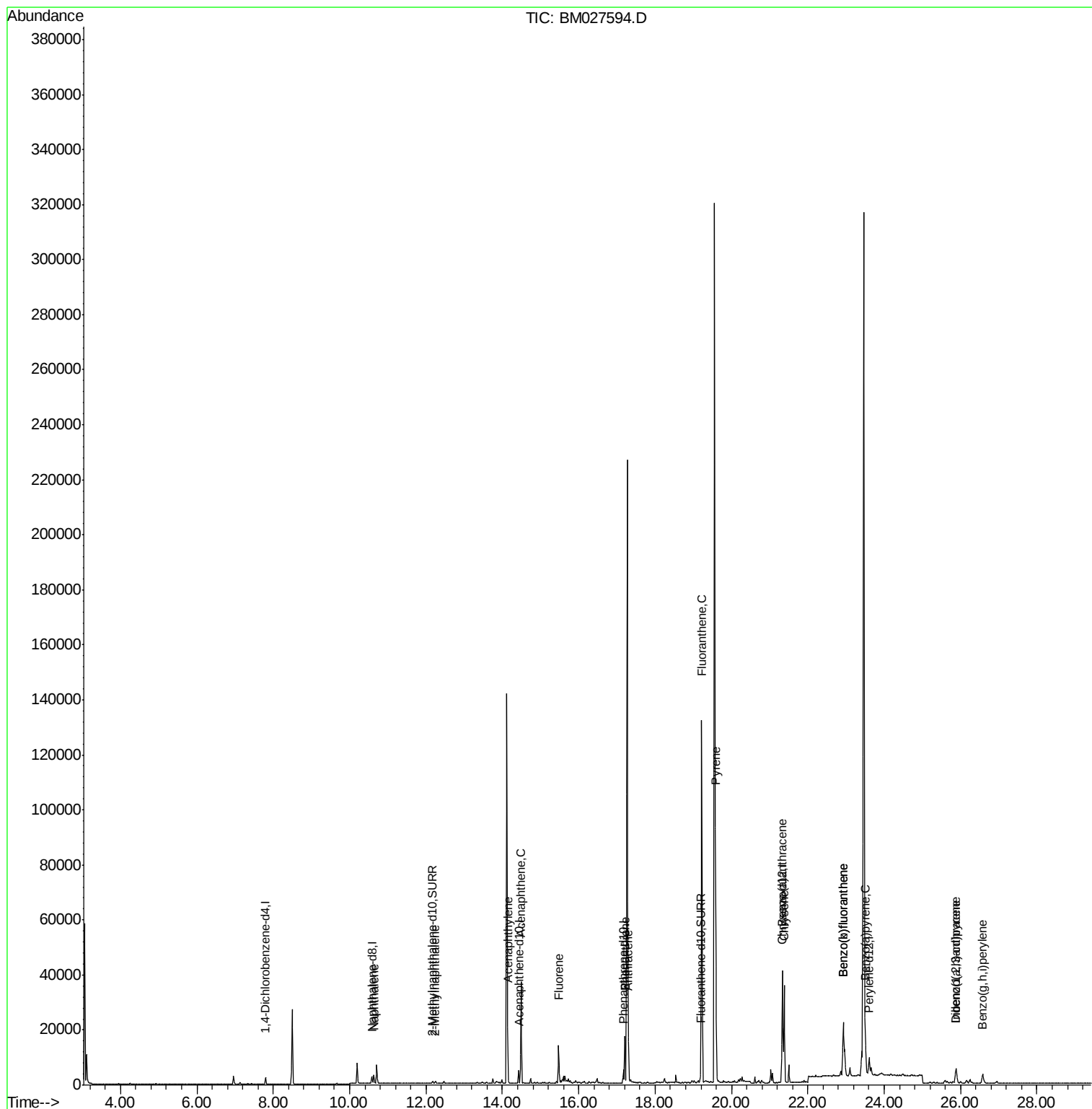
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.63	128	3780	0.373	ng/ul	99
5) 2-Methylnaphthalene	12.25	142	544	0.074	ng/ul	99
7) Acenaphthylene	14.14	152	1179	0.090	ng/ul#	80
8) Acenaphthene	14.49	153	20480	2.203	ng/ul	96
9) Fluorene	15.48	166	8342	0.725	ng/ul	99
12) Phenanthrene	17.21	178	18065	0.885	ng/ul	100
13) Anthracene	17.30	178	16404	0.821	ng/ul	99
15) Fluoranthene	19.22	202	120881	4.923	ng/ul	96
17) Pyrene	19.58	202	84427	2.318	ng/ul#	96
18) Benzo(a)anthracene	21.33	228	32214	1.029	ng/ul	97
19) Chrysene	21.38	228	34334	1.059	ng/ul	99
21) Benzo(b)fluoranthene	22.92	252	44552	1.287	ng/ul	98
22) Benzo(k)fluoranthene	22.92	252	44552	1.238	ng/ul	97
23) Benzo(a)pyrene	23.51	252	17917	0.578	ng/ul#	96
24) Indeno(1,2,3-cd)pyrene	25.88	276	9579	0.240	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.89	278	3072	0.093	ng/ul#	73
26) Benzo(g,h,i)perylene	26.58	276	7408	0.220	ng/ul	95

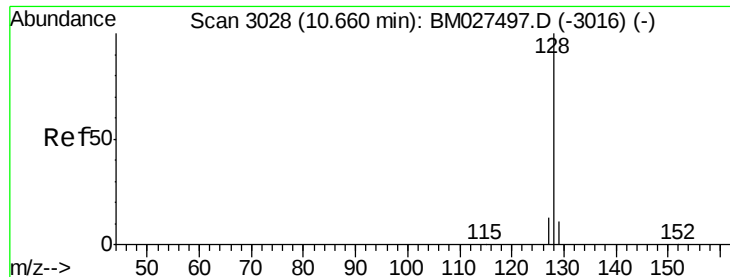
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.373 ng/ul

RT: 10.63 min Scan# 3022

Delta R.T. -0.00 min

Lab File: BM027594.D

Acq: 02 Oct 2020 23:00

Instrument :

BNA_M

ClientSampleId :

C0AE2

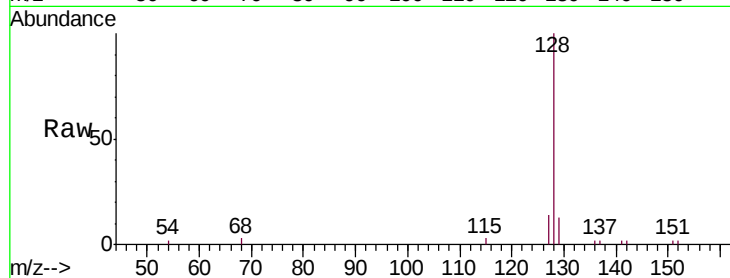
Tgt Ion:128 Resp: 3780

Ion Ratio Lower Upper

128 100

129 13.0 9.9 14.9

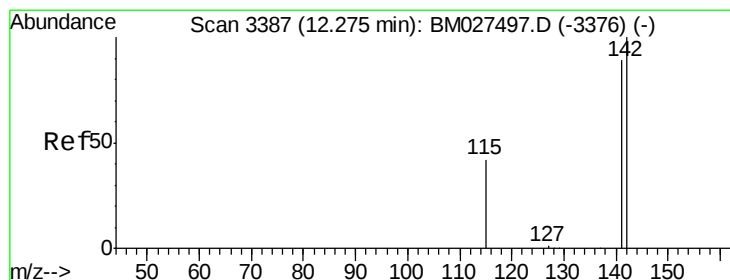
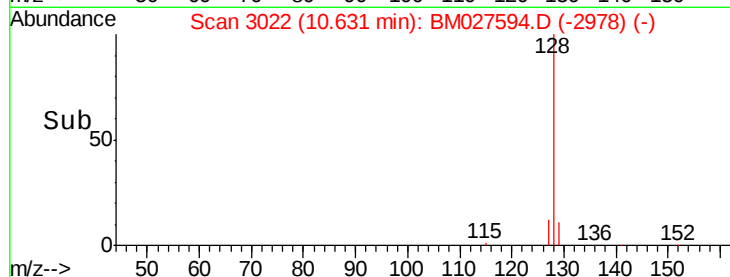
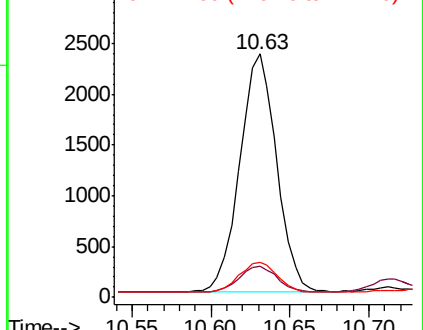
127 14.2 11.4 17.2



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: 0.074 ng/ul

RT: 12.25 min Scan# 3381

Delta R.T. -0.00 min

Lab File: BM027594.D

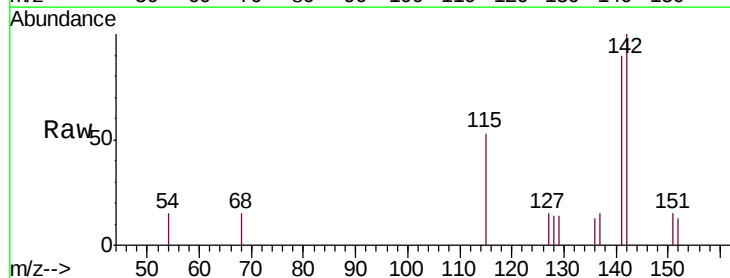
Acq: 02 Oct 2020 23:00

Tgt Ion:142 Resp: 544

Ion Ratio Lower Upper

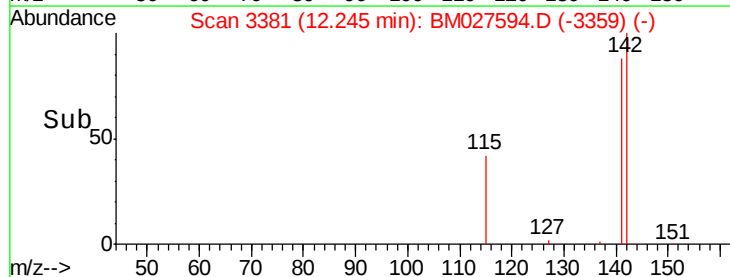
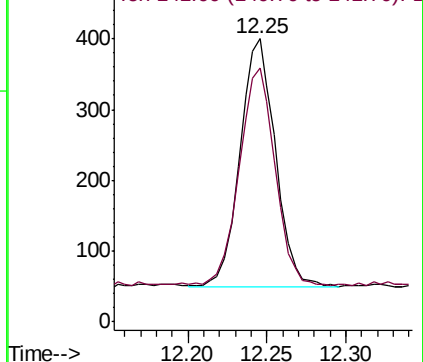
142 100

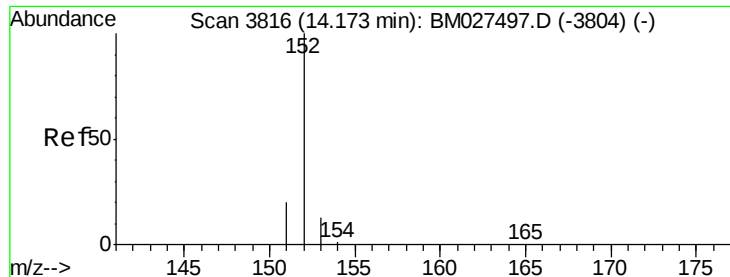
141 89.2 70.9 106.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.090 ng/ul

RT: 14.14 min Scan# 3809

Delta R.T. -0.01 min

Lab File: BM027594.D

Acq: 02 Oct 2020 23:00

Instrument :

BNA_M

ClientSampleId :

C0AE2

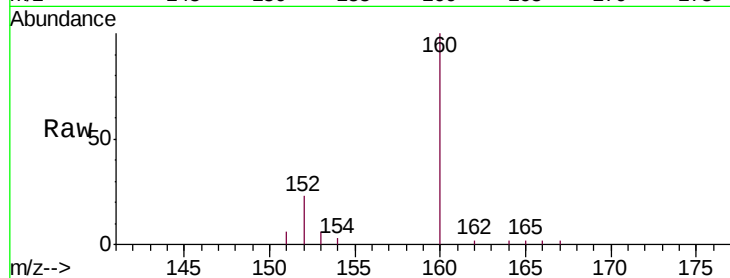
Tgt Ion:152 Resp: 1179

Ion Ratio Lower Upper

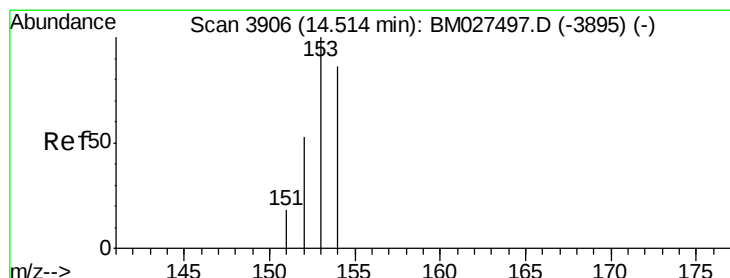
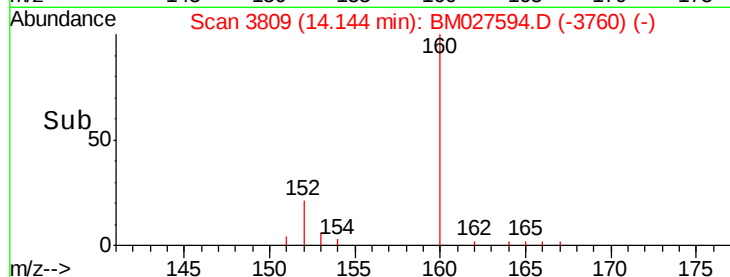
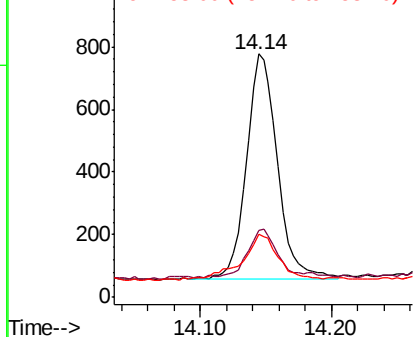
152 100

151 27.4 16.6 24.8#

153 25.7 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: 2.203 ng/ul

RT: 14.49 min Scan# 3900

Delta R.T. -0.01 min

Lab File: BM027594.D

Acq: 02 Oct 2020 23:00

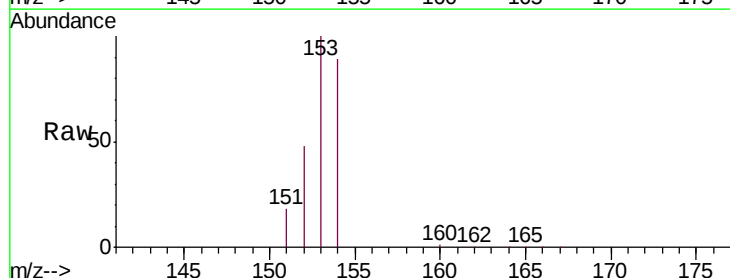
Tgt Ion:153 Resp: 20480

Ion Ratio Lower Upper

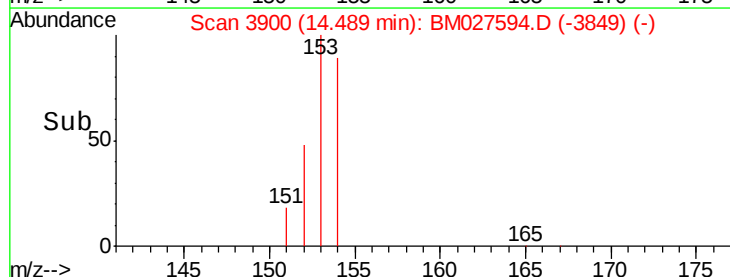
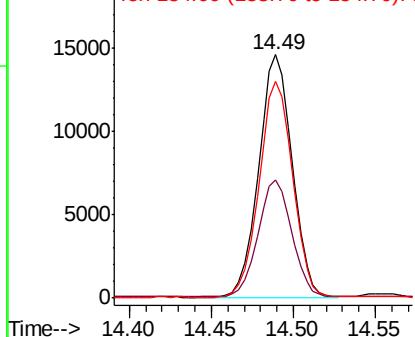
153 100

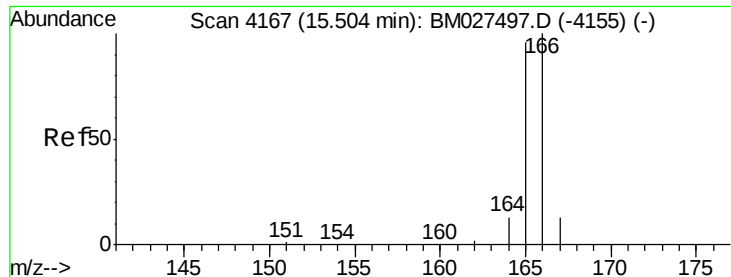
152 48.5 42.8 64.2

154 88.8 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: 0.725 ng/ul

RT: 15.48 min Scan# 4160

Delta R.T. -0.00 min

Lab File: BM027594.D

Acq: 02 Oct 2020 23:00

Instrument :

BNA_M

ClientSampleId :

C0AE2

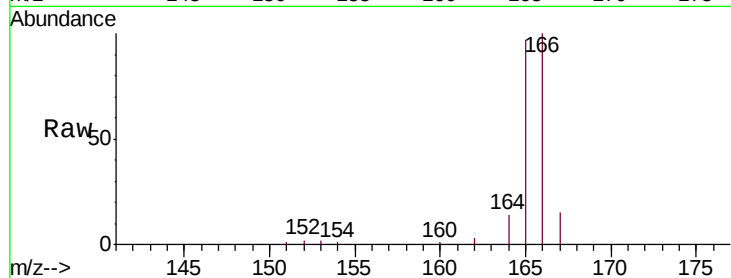
Tgt Ion:166 Resp: 8342

Ion Ratio Lower Upper

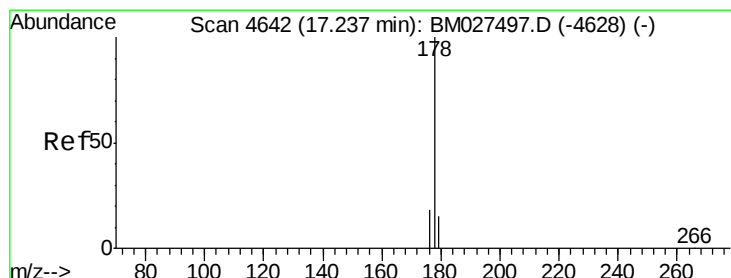
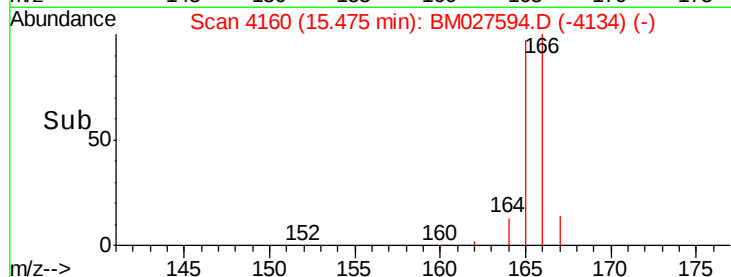
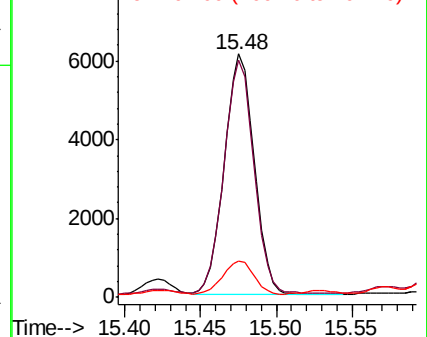
166 100

165 97.4 77.2 115.8

167 15.1 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



#12

Phenanthrene

Concen: 0.885 ng/ul

RT: 17.21 min Scan# 4635

Delta R.T. -0.00 min

Lab File: BM027594.D

Acq: 02 Oct 2020 23:00

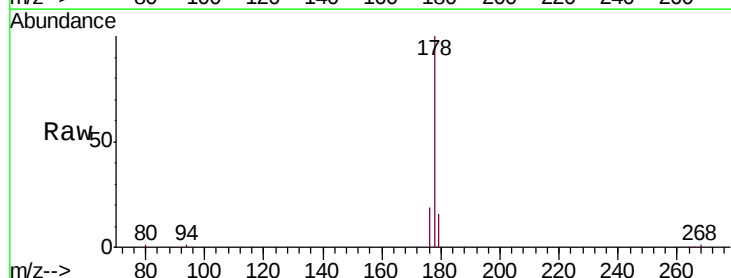
Tgt Ion:178 Resp: 18065

Ion Ratio Lower Upper

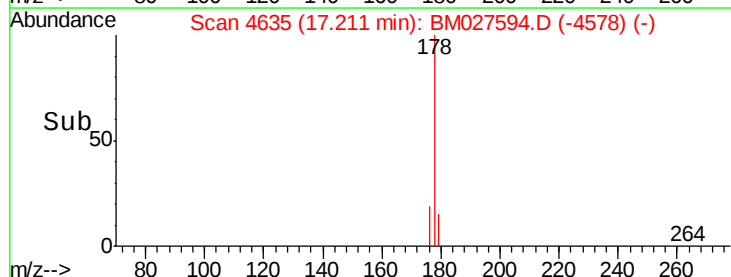
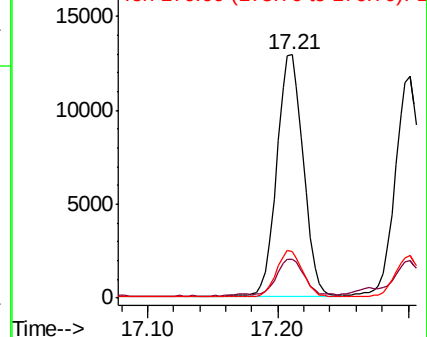
178 100

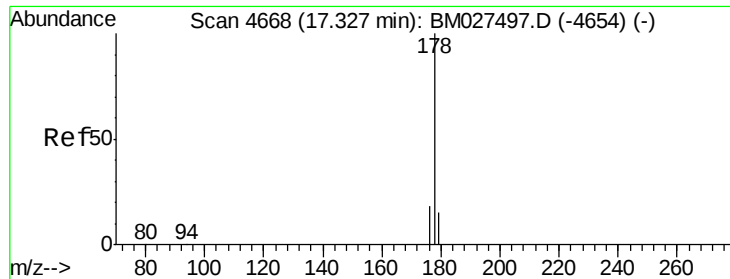
179 16.1 12.9 19.3

176 19.1 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: 0.821 ng/ul

RT: 17.30 min Scan# 4661

Delta R.T. -0.00 min

Lab File: BM027594.D

Acq: 02 Oct 2020 23:00

Instrument :

BNA_M

ClientSampleId :

C0AE2

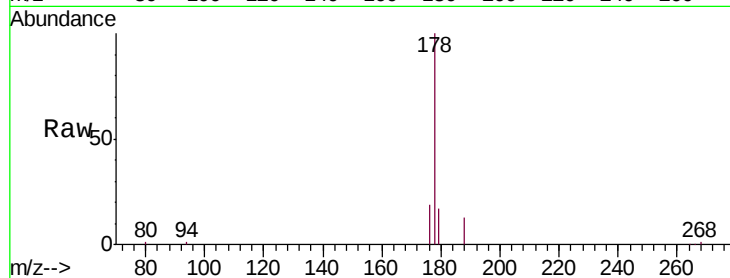
Tgt Ion:178 Resp: 16404

Ion Ratio Lower Upper

178 100

179 16.8 13.0 19.4

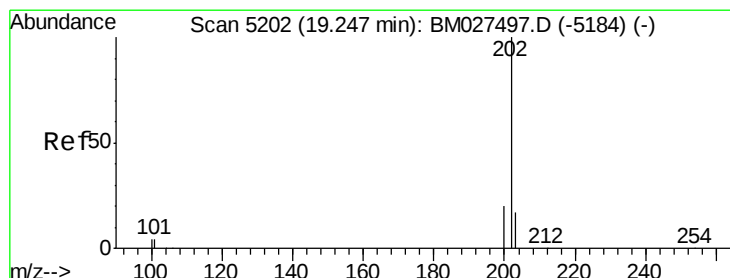
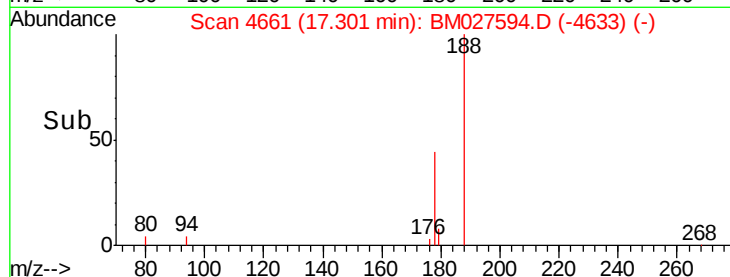
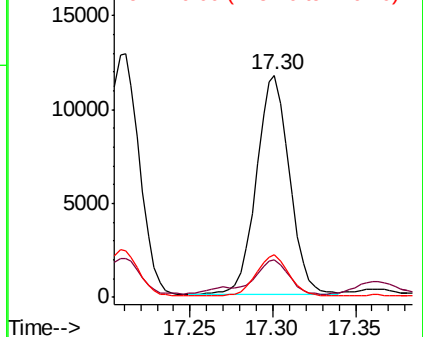
176 19.1 15.2 22.8



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: 4.923 ng/ul

RT: 19.22 min Scan# 5196

Delta R.T. -0.01 min

Lab File: BM027594.D

Acq: 02 Oct 2020 23:00

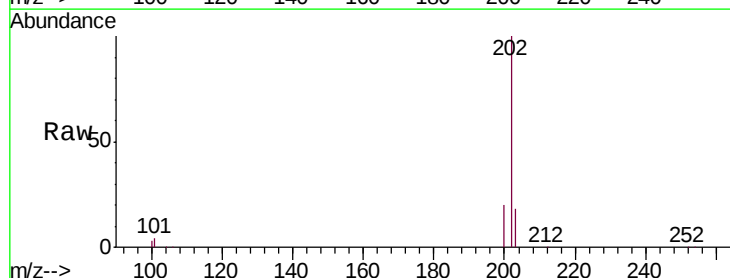
Tgt Ion:202 Resp: 120881

Ion Ratio Lower Upper

202 100

101 3.7 0.0 24.9

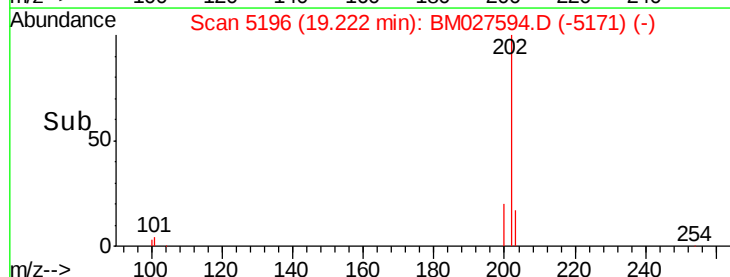
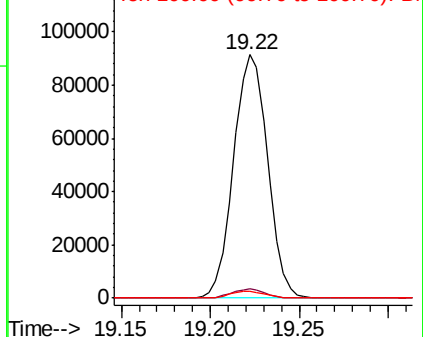
100 3.0 0.0 24.1

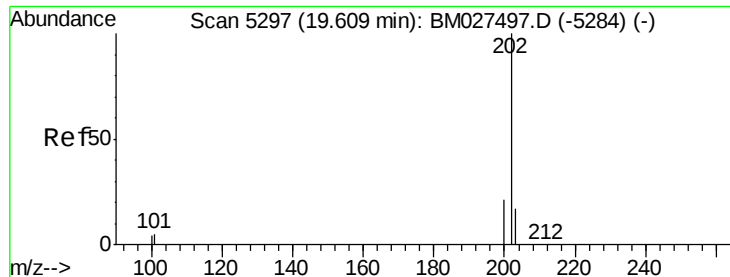


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

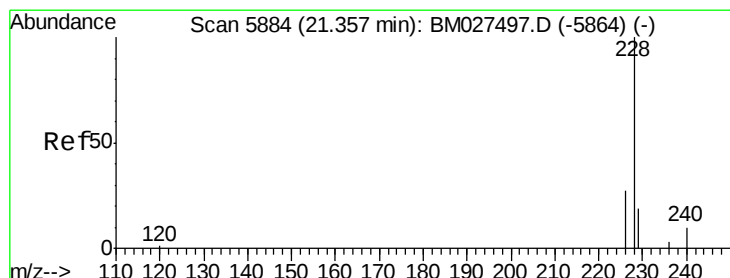
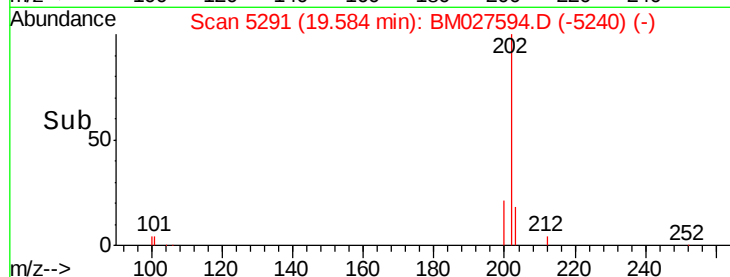
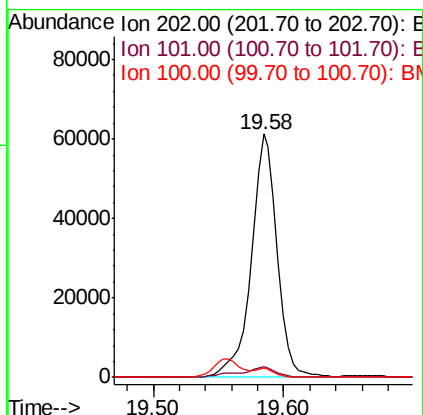
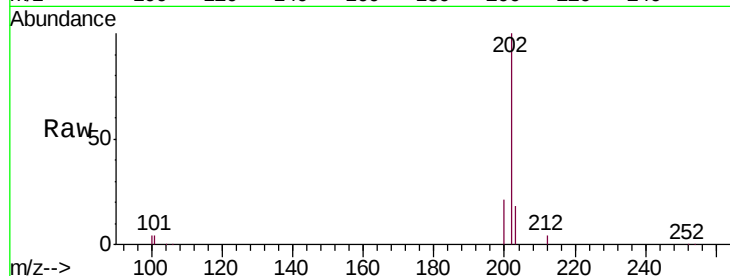




#17
 Pyrene
 Concen: 2.318 ng/ul
 RT: 19.58 min Scan# 5291
 Delta R.T. -0.01 min
 Lab File: BM027594.D
 Acq: 02 Oct 2020 23:00

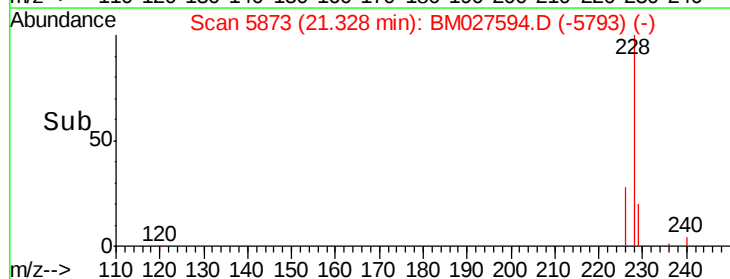
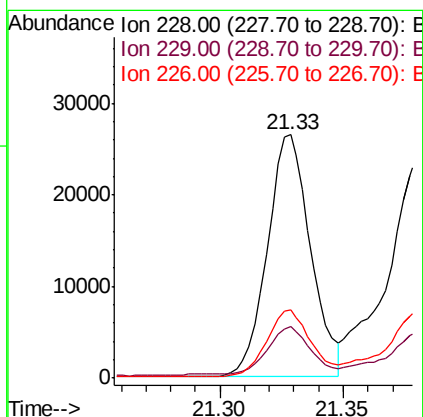
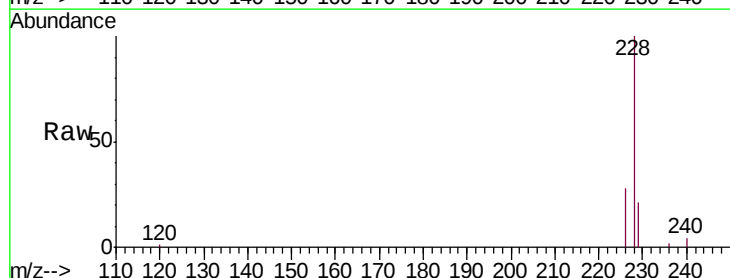
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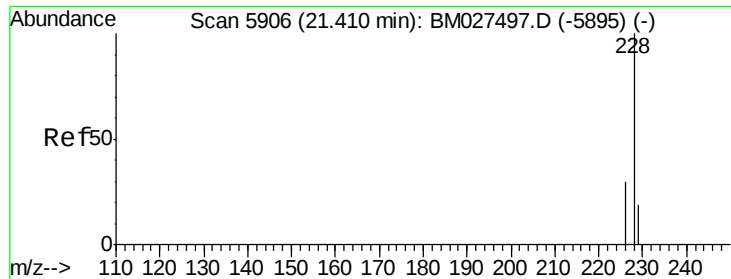
Tgt Ion:202 Resp: 84427
 Ion Ratio Lower Upper
 202 100
 101 4.3 4.7 7.1#
 100 3.6 3.9 5.9#



#18
 Benzo(a)anthracene
 Concen: 1.029 ng/ul
 RT: 21.33 min Scan# 5873
 Delta R.T. -0.01 min
 Lab File: BM027594.D
 Acq: 02 Oct 2020 23:00

Tgt Ion:228 Resp: 32214
 Ion Ratio Lower Upper
 228 100
 229 21.1 15.6 23.4
 226 28.2 21.8 32.8





#19

Chrysene

Concen: 1.059 ng/ul

RT: 21.38 min Scan# 5894

Delta R.T. -0.01 min

Lab File: BM027594.D

Acq: 02 Oct 2020 23:00

Instrument :

BNA_M

ClientSampleId :

C0AE2

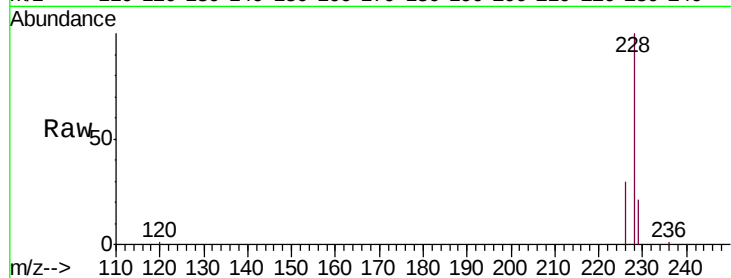
Tgt Ion:228 Resp: 34334

Ion Ratio Lower Upper

228 100

226 30.4 24.2 36.4

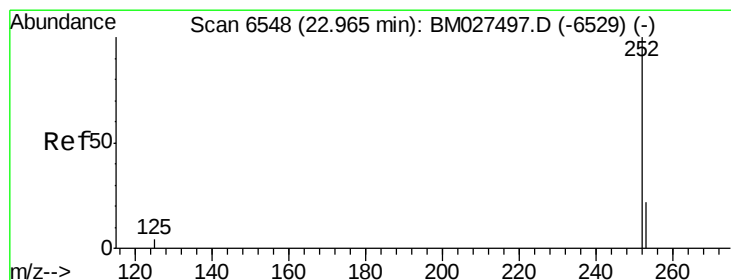
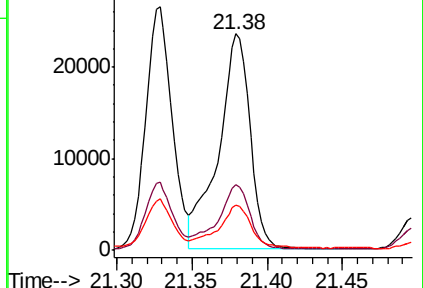
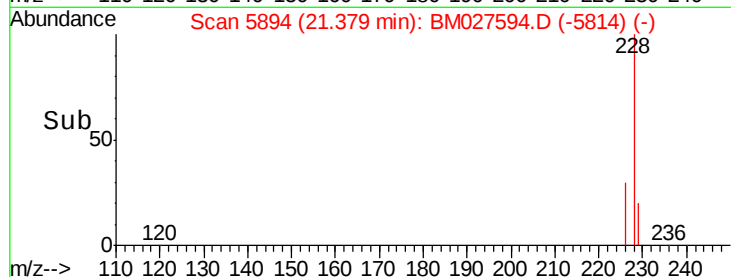
229 20.8 15.8 23.8



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: 1.287 ng/ul

RT: 22.92 min Scan# 6532

Delta R.T. -0.01 min

Lab File: BM027594.D

Acq: 02 Oct 2020 23:00

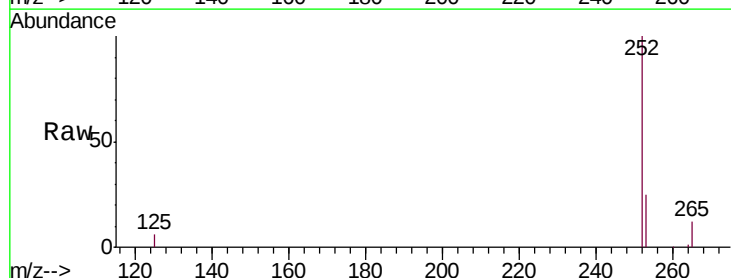
Tgt Ion:252 Resp: 44552

Ion Ratio Lower Upper

252 100

253 25.4 0.0 48.2

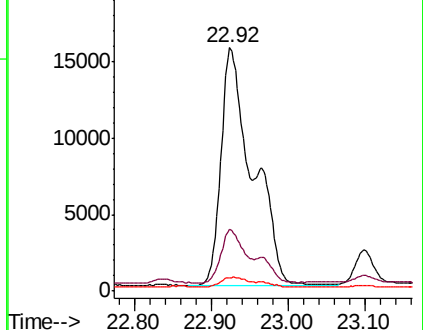
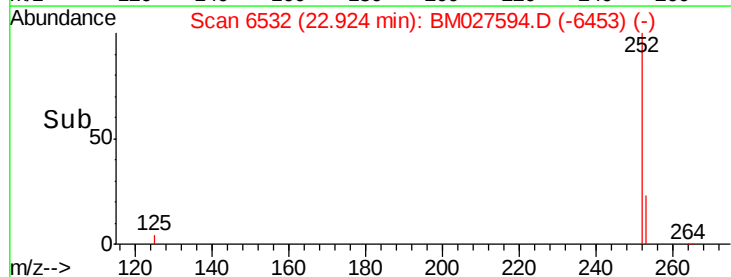
125 5.6 0.0 10.6

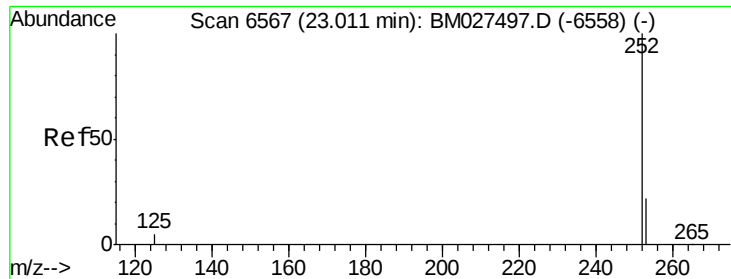


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.238 ng/ul

RT: 22.92 min Scan# 6532

Delta R.T. -0.06 min

Lab File: BM027594.D

Acq: 02 Oct 2020 23:00

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C0AE2

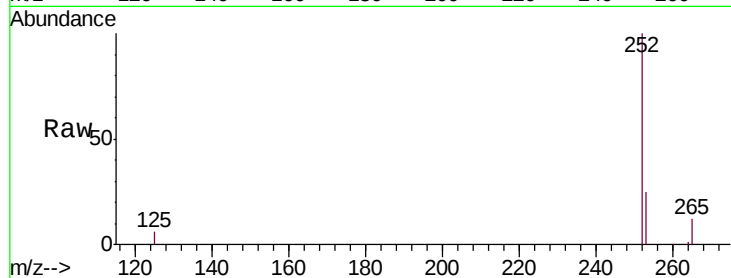
Tgt Ion:252 Resp: 44552

Ion Ratio Lower Upper

252 100

253 25.4 19.1 28.7

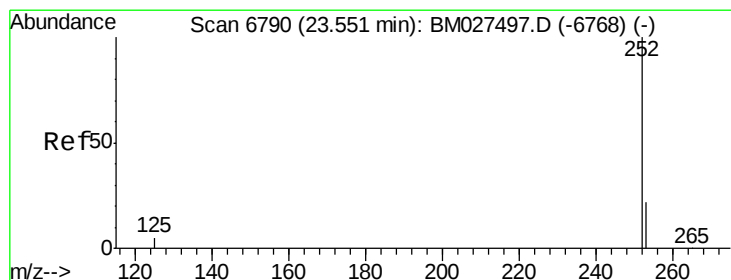
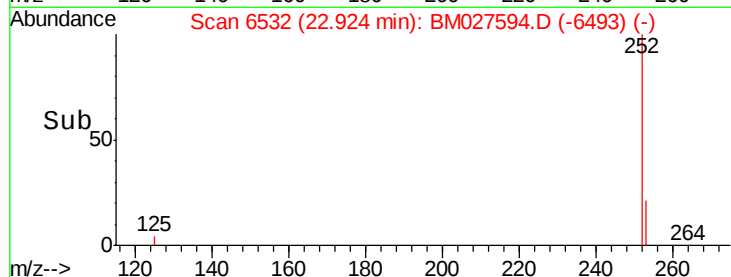
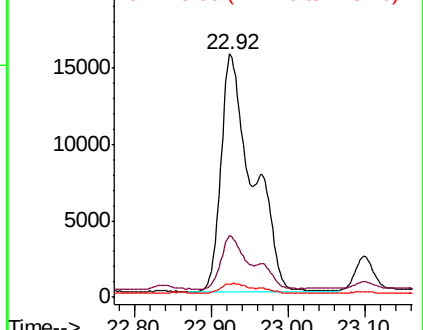
125 5.6 5.0 7.4



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: 0.578 ng/ul

RT: 23.51 min Scan# 6772

Delta R.T. -0.01 min

Lab File: BM027594.D

Acq: 02 Oct 2020 23:00

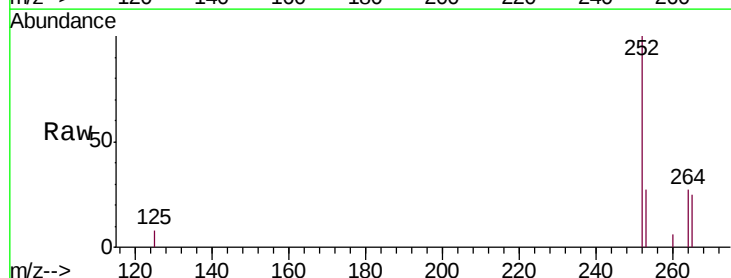
Tgt Ion:252 Resp: 17917

Ion Ratio Lower Upper

252 100

253 26.6 19.6 29.4

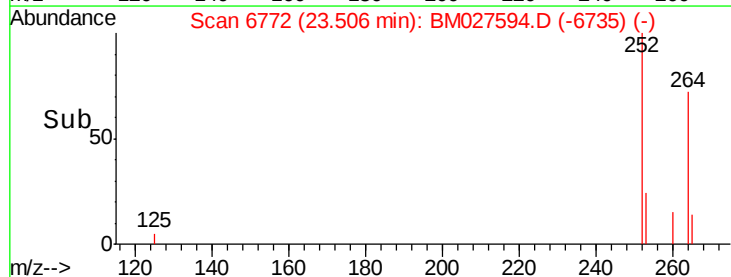
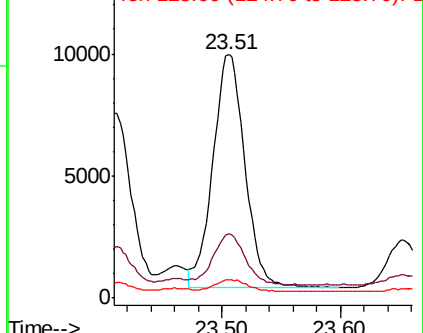
125 7.6 5.0 7.6#

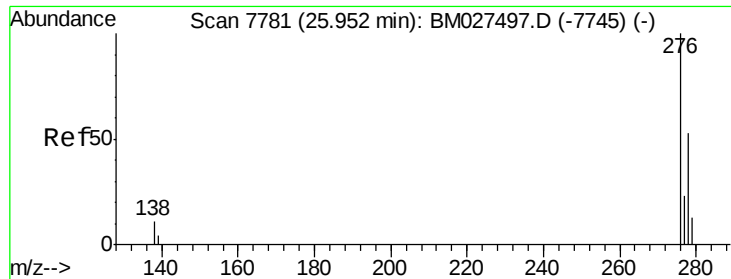


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



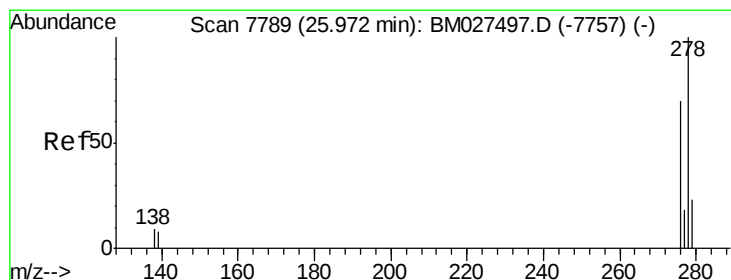
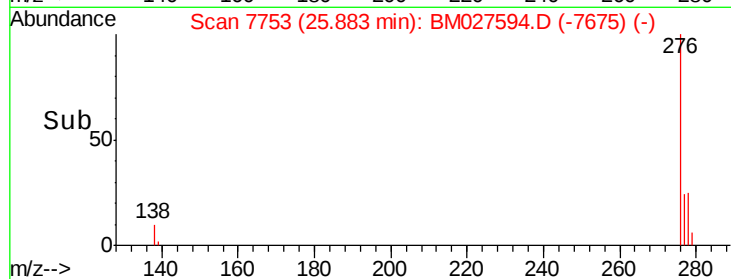
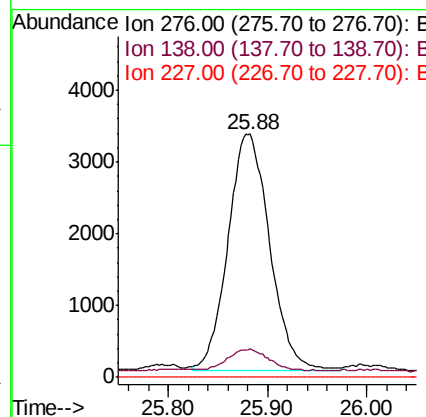
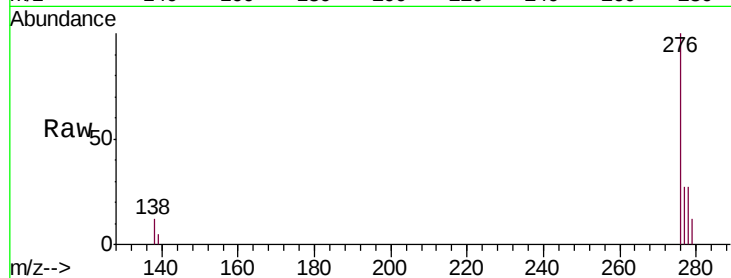


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.240 ng/u1
RT: 25.88 min Scan# 7753
Delta R.T. -0.01 min
Lab File: BM027594.D
Acq: 02 Oct 2020 23:00

Instrument :
BNA_M
ClientSampleId :
C0AE2

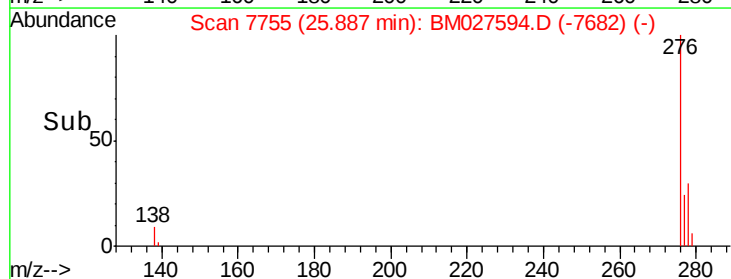
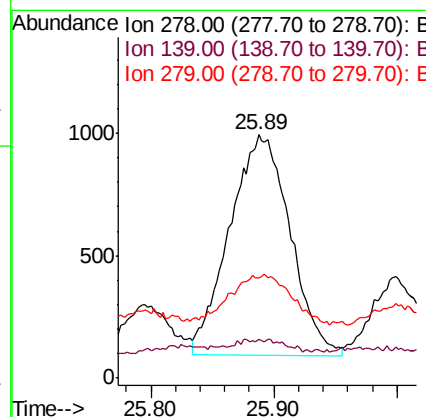
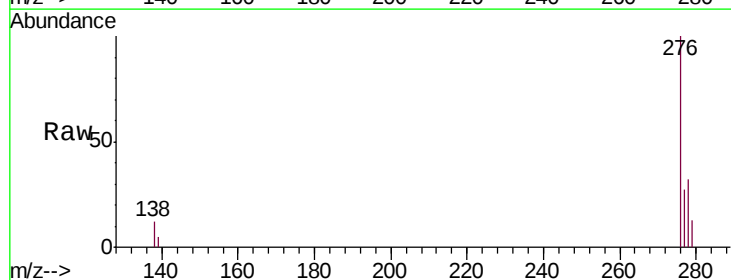
Tgt Ion:276 Resp: 9579
Ion Ratio Lower Upper
276 100
138 8.7 8.6 12.8
227 0.0 0.0 0.0

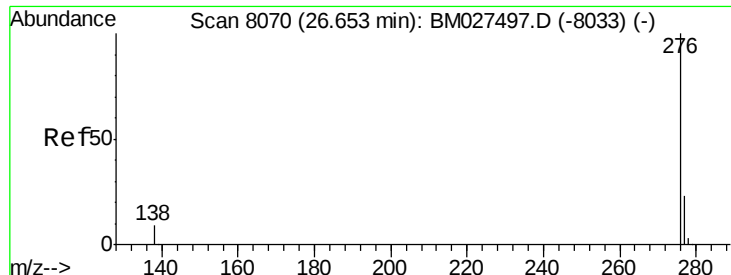


#25

Dibenzo(a,h)anthracene
Concen: 0.093 ng/u1
RT: 25.89 min Scan# 7755
Delta R.T. -0.02 min
Lab File: BM027594.D
Acq: 02 Oct 2020 23:00

Tgt Ion:278 Resp: 3072
Ion Ratio Lower Upper
278 100
139 15.9 7.6 11.4#
279 41.3 20.7 31.1#





#26

Benzo(g,h,i)perylene

Concen: 0.220 ng/ul

RT: 26.58 min Scan# 8040

Delta R.T. -0.02 min

Lab File: BM027594.D

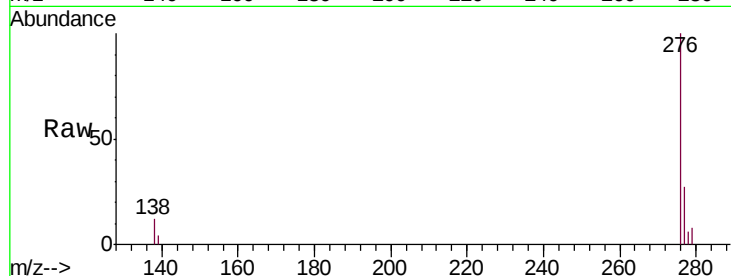
Acq: 02 Oct 2020 23:00

Instrument :

BNA_M

ClientSampleId :

C0AE2



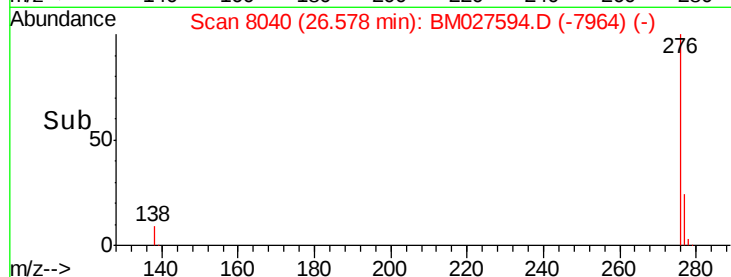
Tgt Ion: 276 Resp: 7408

Ion Ratio Lower Upper

276 100

138 12.1 9.0 13.4

277 27.1 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

