

Data File : BM027589.D
Acq On : 02 Oct 2020 19:59
Operator : JU/CG
Sample : L4166-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD1

Quant Time: Oct 03 01:37:37 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	1187	0.40	ng/ul	0.00
2) Naphthalene-d8	10.58	136	3439	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	2538	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.17	188	6258	0.40	ng/ul	0.00
16) Chrysene-d12	21.34	240	6788	0.40	ng/ul	0.00
20) Perylene-d12	23.61	264	6870	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.17	152	873	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.19	212	2162	0.13	ng/ul	0.00

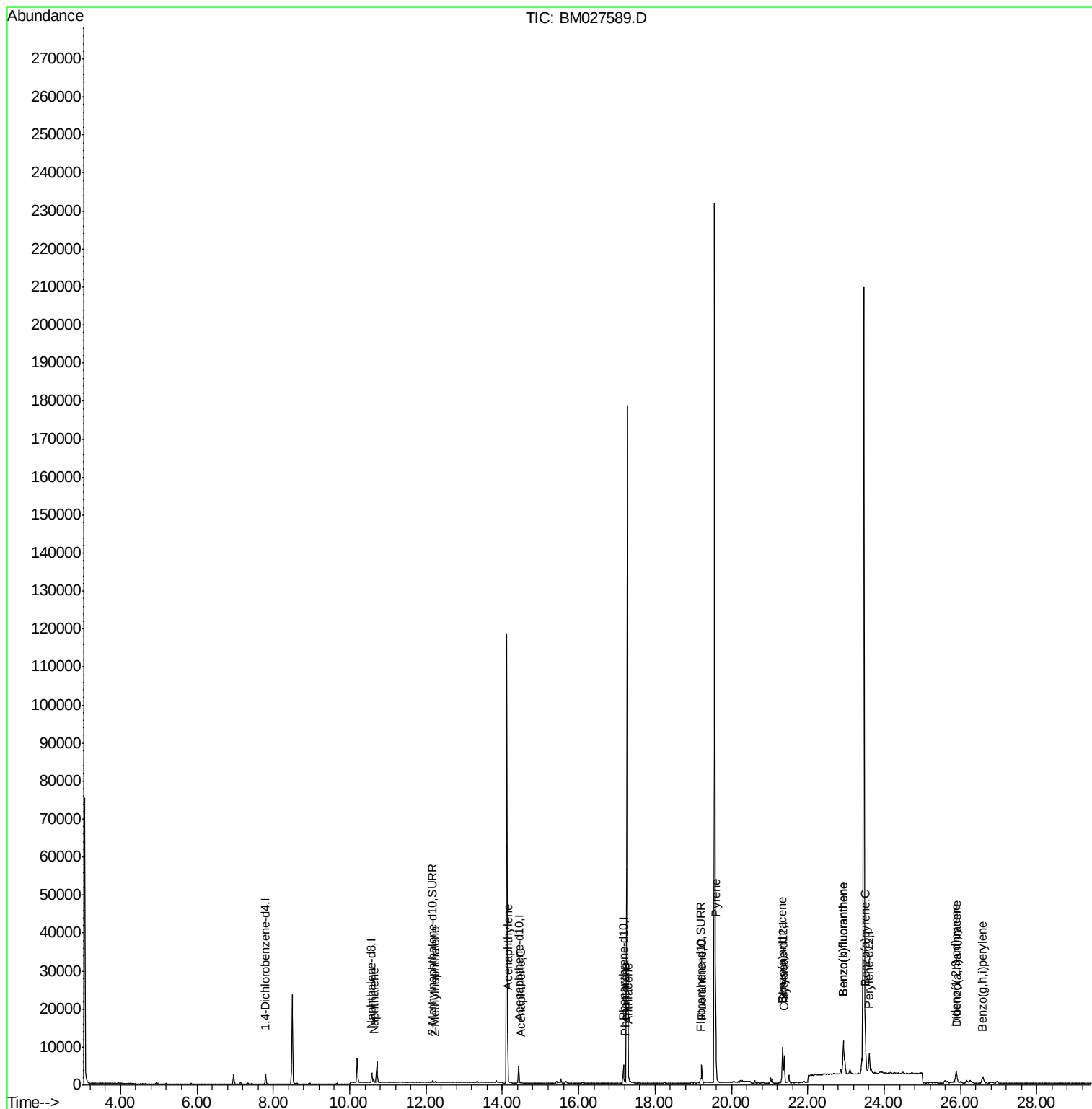
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.63	128	1346	0.134	ng/ul#	93
5) 2-Methylnaphthalene	12.25	142	164	0.022	ng/ul	100
7) Acenaphthylene	14.15	152	641	0.049	ng/ul#	80
8) Acenaphthene	14.49	153	217	0.024	ng/ul	90
12) Phenanthrene	17.21	178	741	0.038	ng/ul#	79
13) Anthracene	17.30	178	974	0.052	ng/ul#	83
15) Fluoranthene	19.22	202	4384	0.189	ng/ul	98
17) Pyrene	19.59	202	23340	0.754	ng/ul#	96
18) Benzo(a)anthracene	21.33	228	5519	0.207	ng/ul	94
19) Chrysene	21.38	228	7592	0.275	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	19754	0.714	ng/ul	93
22) Benzo(k)fluoranthene	22.93	252	19754	0.686	ng/ul	94
23) Benzo(a)pyrene	23.51	252	8448	0.341	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.88	276	5205	0.163	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.90	278	1781	0.068	ng/ul#	55
26) Benzo(g,h,i)perylene	26.58	276	4007	0.149	ng/ul#	92

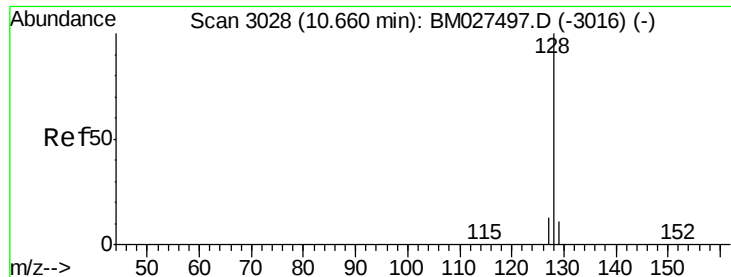
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.134 ng/ul

RT: 10.63 min Scan# 3021

Delta R.T. -0.00 min

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Acq: 02 Oct 2020 19:59

Instrument :

BNA_M

ClientSampleId :

C0AD1

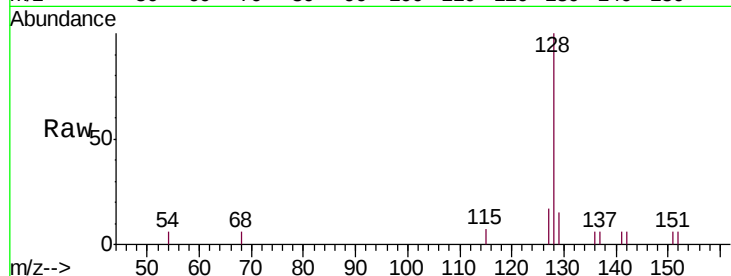
Tgt Ion:128 Resp: 1346

Ion Ratio Lower Upper

128 100

129 15.0 9.9 14.9#

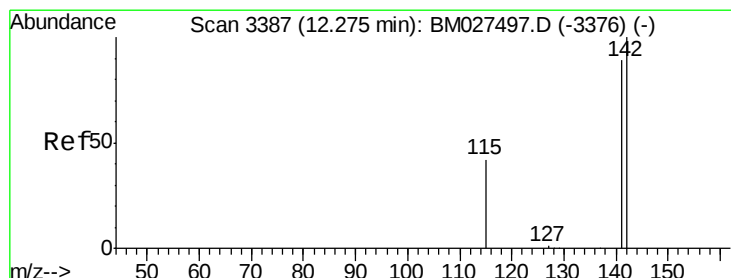
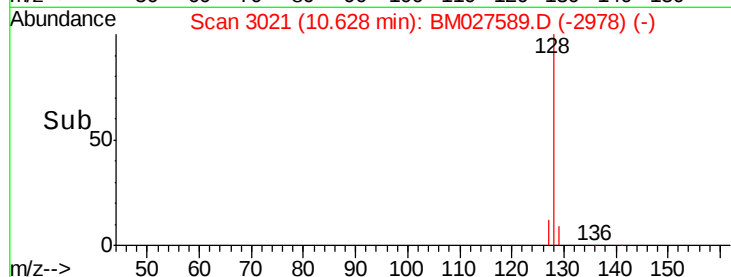
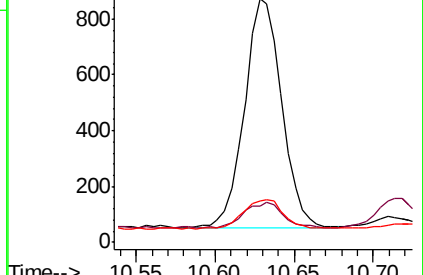
127 17.2 11.4 17.2#



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: 0.022 ng/ul

RT: 12.25 min Scan# 3381

Delta R.T. 0.00 min

Lab File: BM027589.D

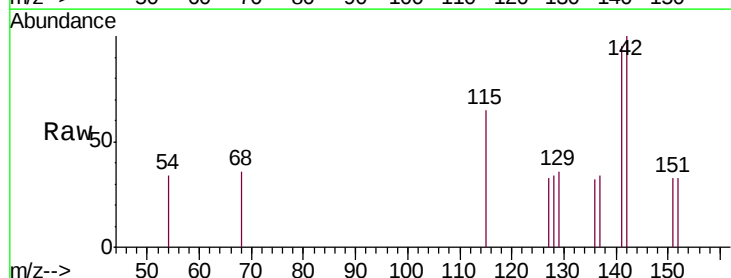
Acq: 02 Oct 2020 19:59

Tgt Ion:142 Resp: 164

Ion Ratio Lower Upper

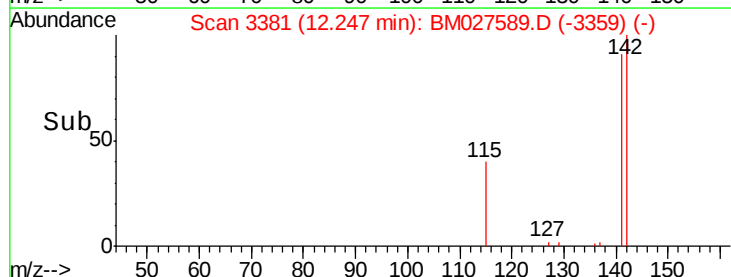
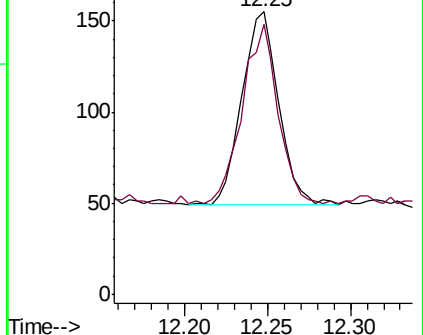
142 100

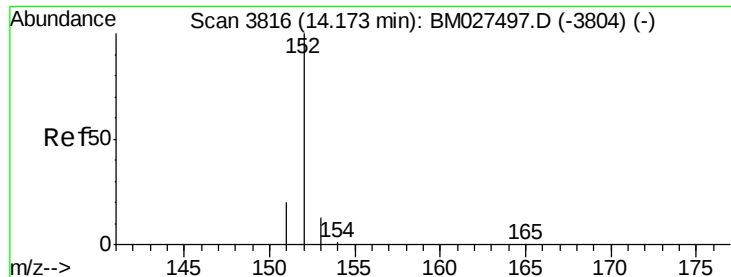
141 88.4 70.9 106.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.049 ng/ul

RT: 14.15 min Scan# 3809

Delta R.T. -0.00 min

Lab File: BM027589.D

Acq: 02 Oct 2020 19:59

Instrument :

BNA_M

ClientSampleId :

C0AD1

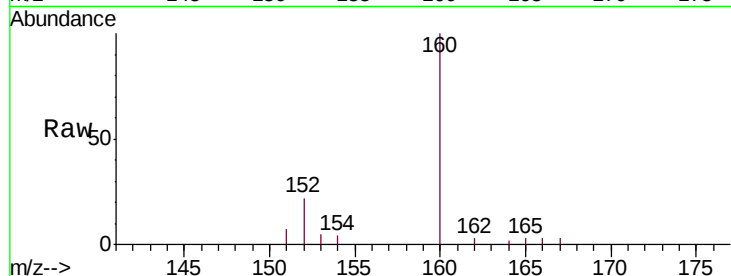
Tgt Ion:152 Resp: 641

Ion Ratio Lower Upper

152 100

151 30.0 16.6 24.8#

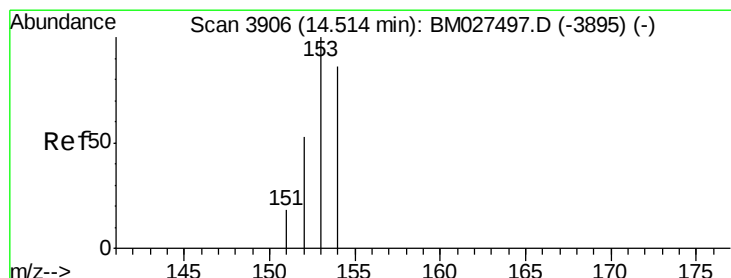
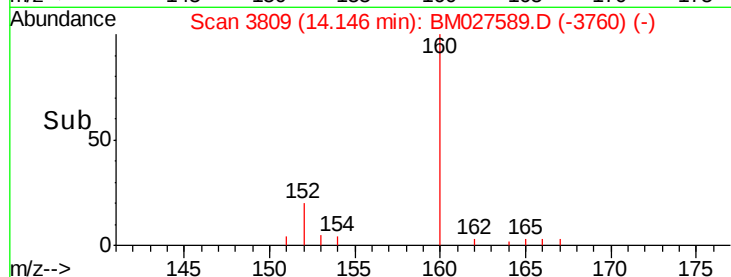
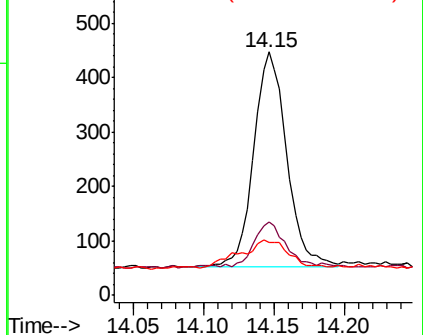
153 21.9 11.4 17.0#



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: 0.024 ng/ul

RT: 14.49 min Scan# 3900

Delta R.T. -0.00 min

Lab File: BM027589.D

Acq: 02 Oct 2020 19:59

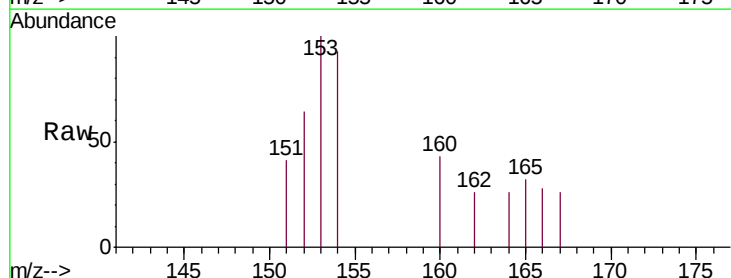
Tgt Ion:153 Resp: 217

Ion Ratio Lower Upper

153 100

152 63.9 42.8 64.2

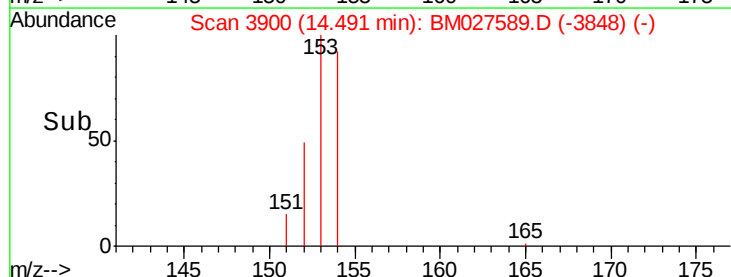
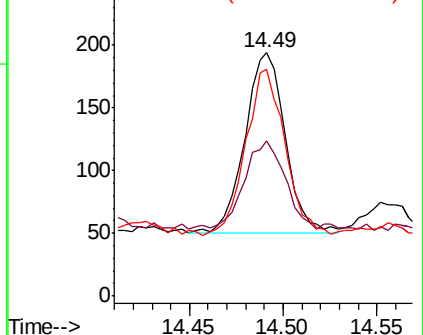
154 93.3 69.0 103.6

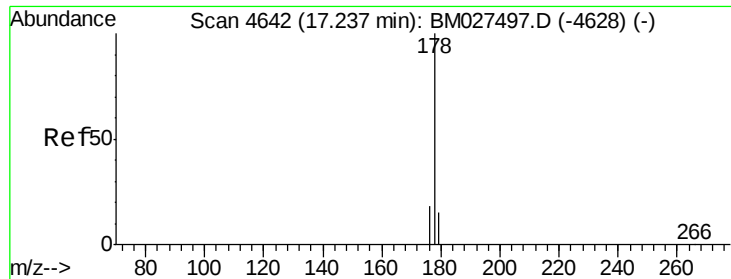


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Phenanthrene

Concen: 0.038 ng/ul

RT: 17.21 min Scan# 4634

Delta R.T. -0.00 min

Lab File: BM027589.D

Acq: 02 Oct 2020 19:59

Instrument :

BNA_M

ClientSampleId :

C0AD1

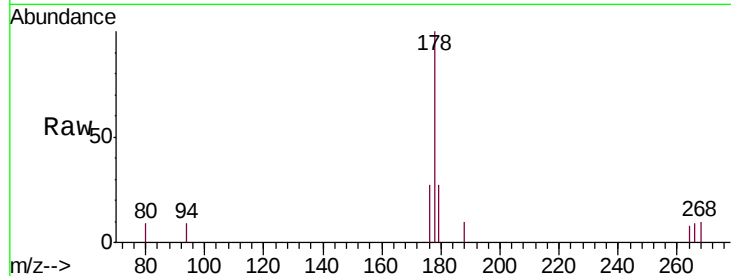
Tgt Ion:178 Resp: 741

Ion Ratio Lower Upper

178 100

179 26.7 12.9 19.3#

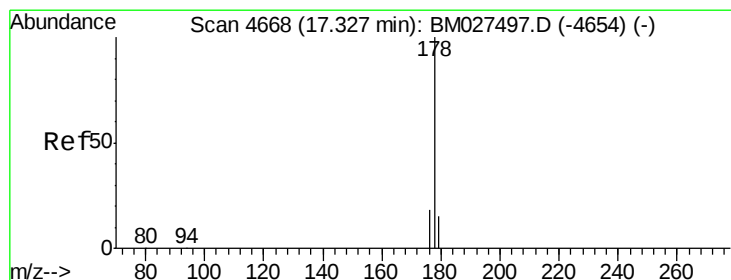
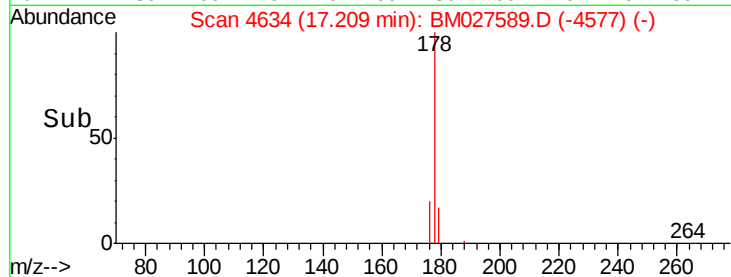
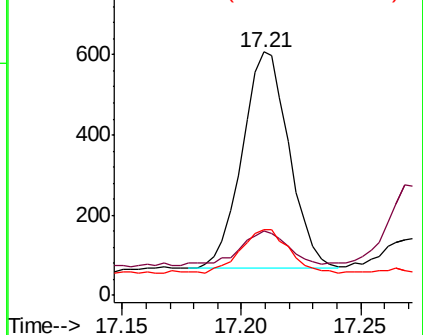
176 26.9 15.3 22.9#



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: 0.052 ng/ul

RT: 17.30 min Scan# 4661

Delta R.T. 0.00 min

Lab File: BM027589.D

Acq: 02 Oct 2020 19:59

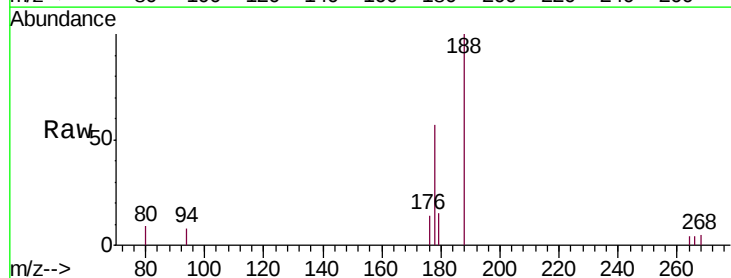
Tgt Ion:178 Resp: 974

Ion Ratio Lower Upper

178 100

179 25.8 13.0 19.4#

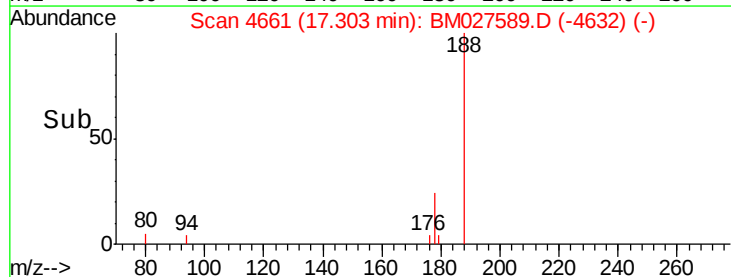
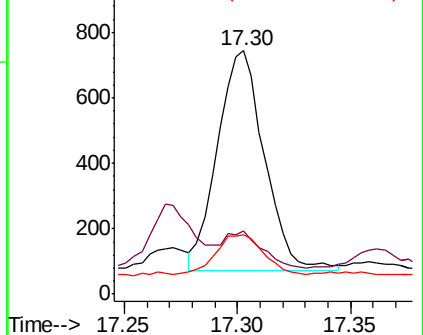
176 24.2 15.2 22.8#

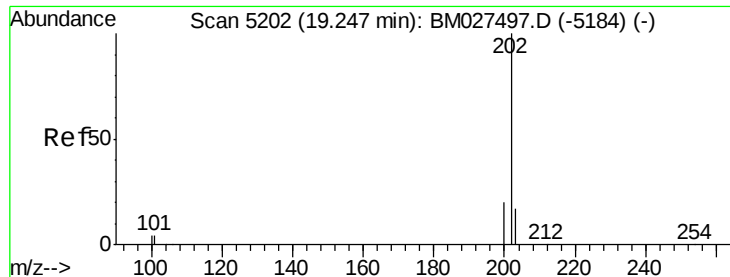


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

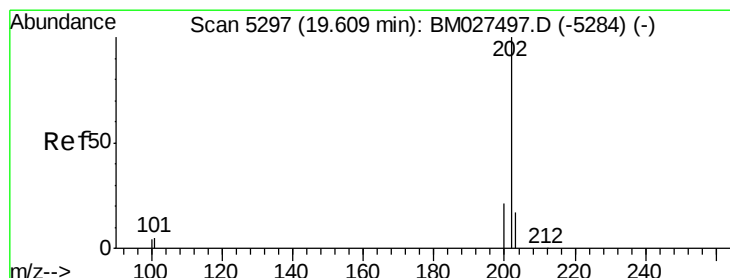
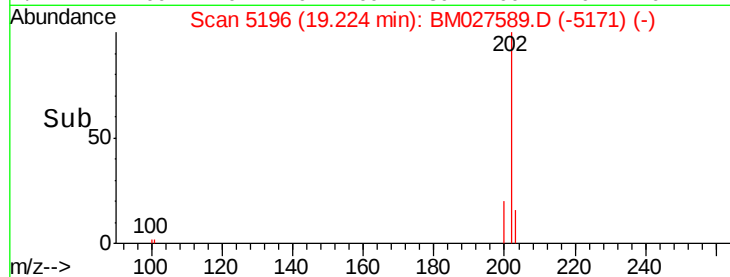
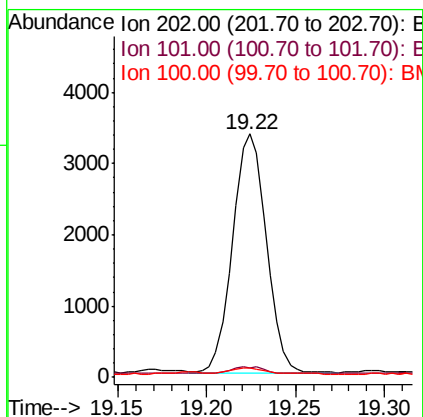
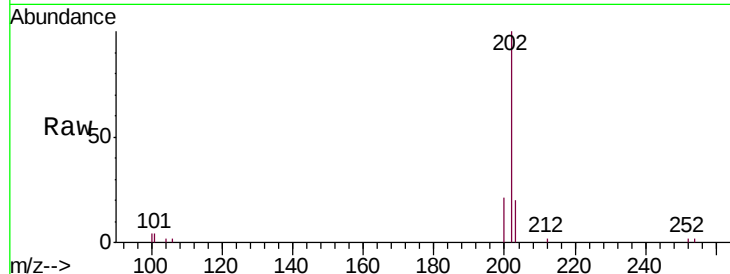




#15
Fluoranthene
Concen: 0.189 ng/ul
RT: 19.22 min Scan# 5196
Delta R.T. -0.00 min
Lab File: BM027589.D
Acq: 02 Oct 2020 19:59

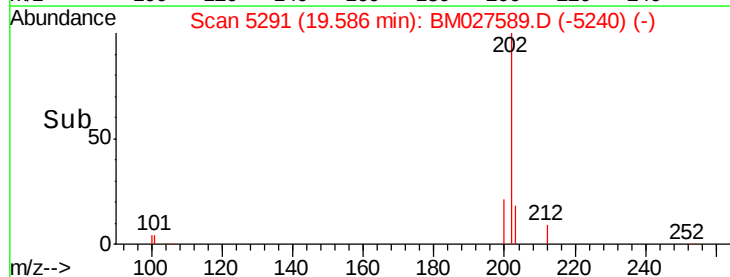
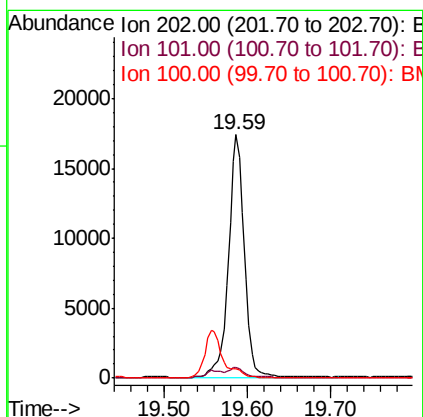
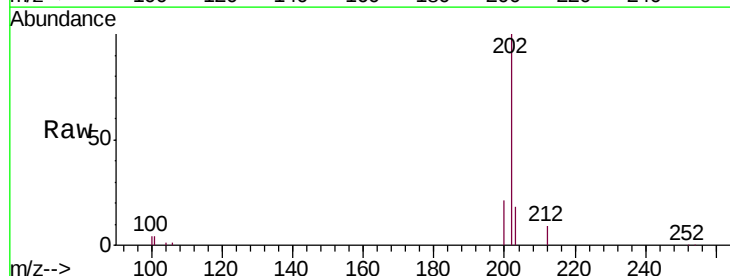
Instrument :
BNA_M
ClientSampleId :
C0AD1

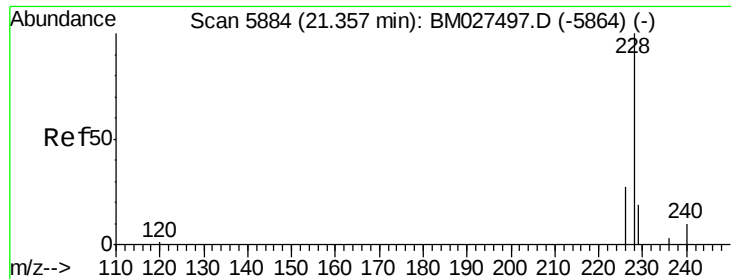
Tgt Ion	Ratio	Lower	Upper
202	100		
101	3.9	0.0	24.9
100	3.7	0.0	24.1



#17
Pyrene
Concen: 0.754 ng/ul
RT: 19.59 min Scan# 5291
Delta R.T. -0.00 min
Lab File: BM027589.D
Acq: 02 Oct 2020 19:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	4.4	4.7	7.1#
100	3.8	3.9	5.9#





#18

Benzo(a)anthracene

Concen: 0.207 ng/ul

RT: 21.33 min Scan# 5873

Delta R.T. -0.00 min

Lab File: BM027589.D

Acq: 02 Oct 2020 19:59

Instrument :

BNA_M

ClientSampleId :

C0AD1

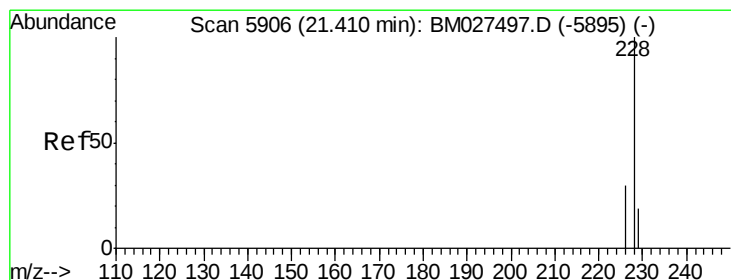
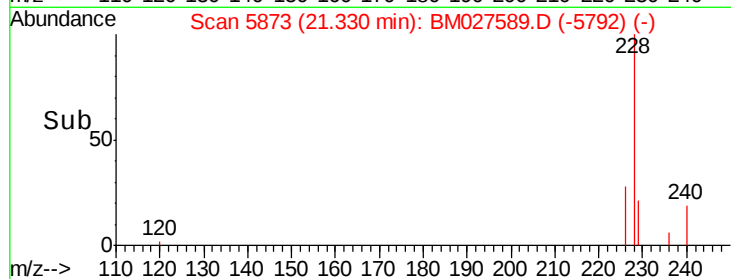
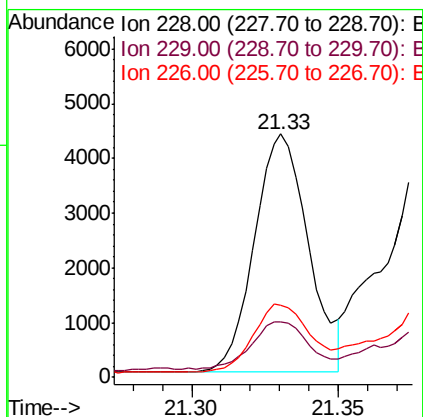
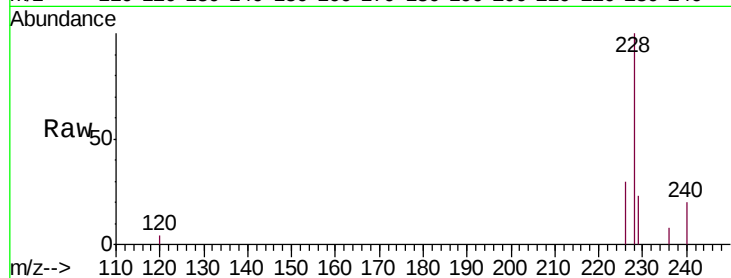
Tgt Ion:228 Resp: 5519

Ion Ratio Lower Upper

228 100

229 22.9 15.6 23.4

226 29.9 21.8 32.8



#19

Chrysene

Concen: 0.275 ng/ul

RT: 21.38 min Scan# 5894

Delta R.T. -0.00 min

Lab File: BM027589.D

Acq: 02 Oct 2020 19:59

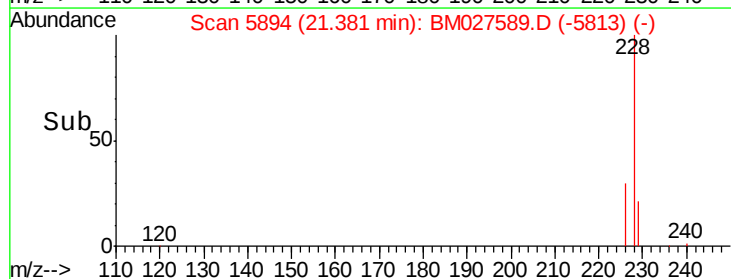
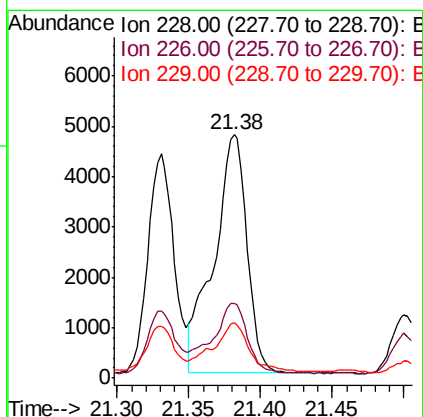
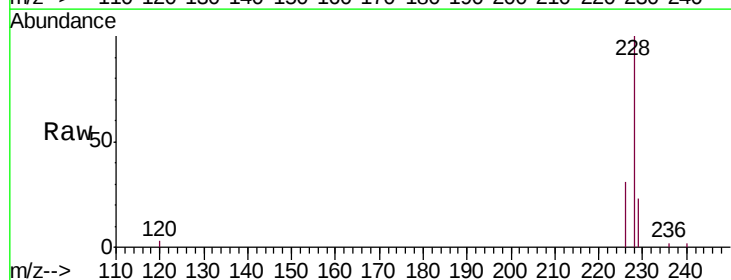
Tgt Ion:228 Resp: 7592

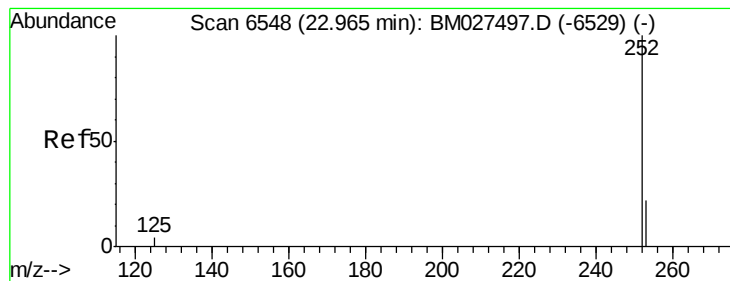
Ion Ratio Lower Upper

228 100

226 30.8 24.2 36.4

229 22.8 15.8 23.8





#21

Benzo(b)fluoranthene

Concen: 0.714 ng/u1

RT: 22.93 min Scan# 6532

Delta R.T. -0.01 min

Lab File: BM027589.D

Acq: 02 Oct 2020 19:59

Instrument :

BNA_M

ClientSampleId :

C0AD1

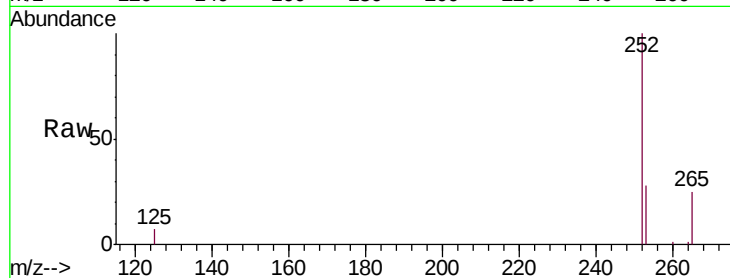
Tgt Ion:252 Resp: 19754

Ion Ratio Lower Upper

252 100

253 27.6 0.0 48.2

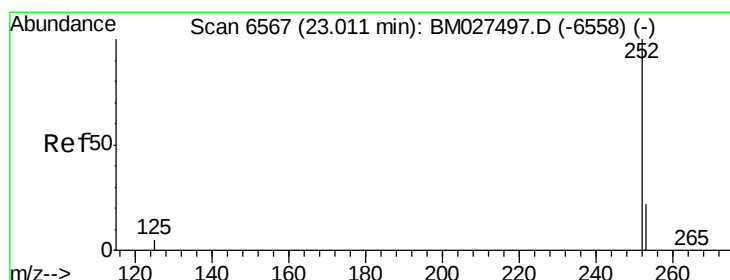
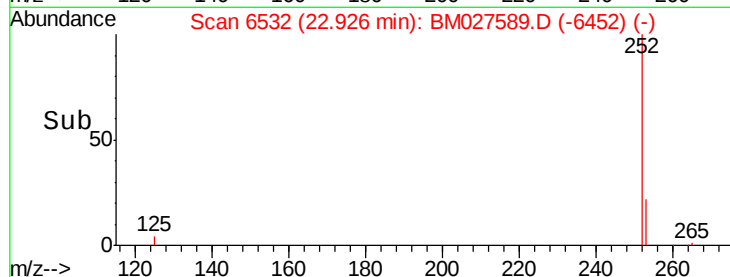
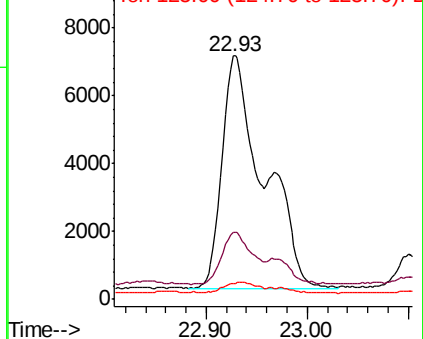
125 6.7 0.0 10.6



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: 0.686 ng/u1

RT: 22.93 min Scan# 6532

Delta R.T. -0.05 min

Lab File: BM027589.D

Acq: 02 Oct 2020 19:59

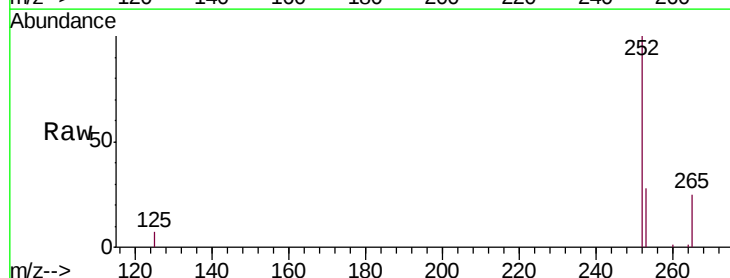
Tgt Ion:252 Resp: 19754

Ion Ratio Lower Upper

252 100

253 27.6 19.1 28.7

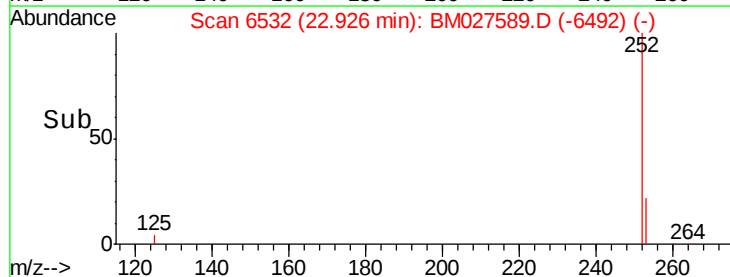
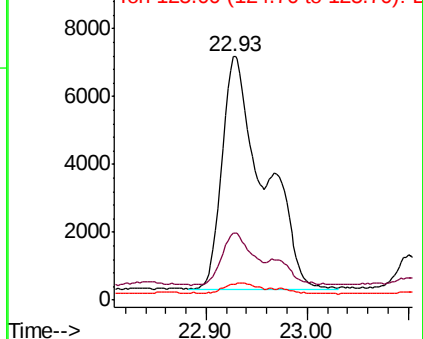
125 6.7 5.0 7.4

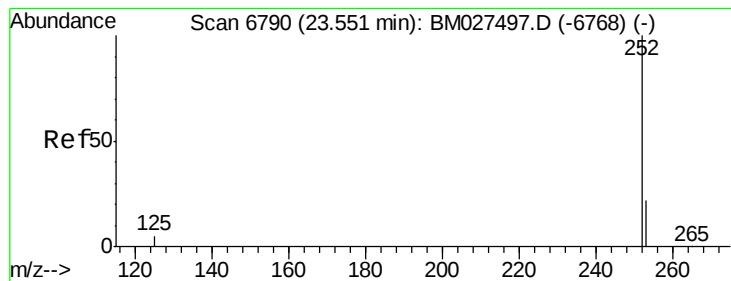


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.341 ng/u1

RT: 23.51 min Scan# 6772

Delta R.T. -0.01 min

Lab File: BM027589.D

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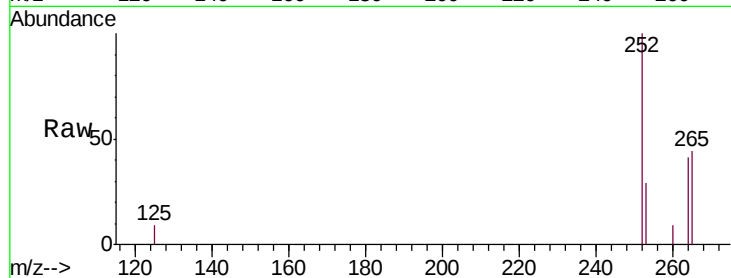
Tgt Ion:252 Resp: 8448

Ion Ratio Lower Upper

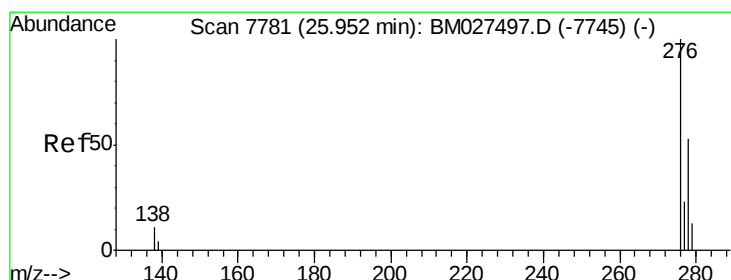
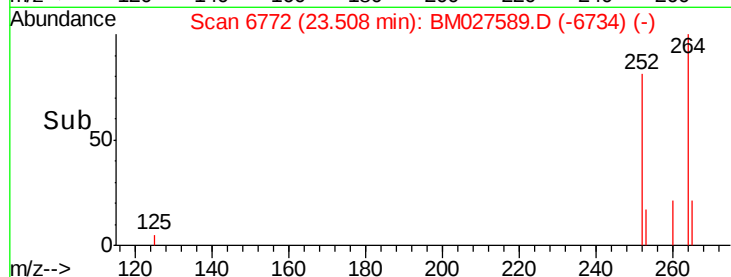
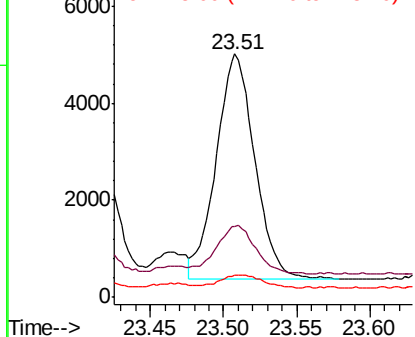
252 100

253 29.2 19.6 29.4

125 8.9 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: 0.163 ng/u1

RT: 25.88 min Scan# 7752

Delta R.T. -0.01 min

Lab File: BM027589.D

Acq: 02 Oct 2020 19:59

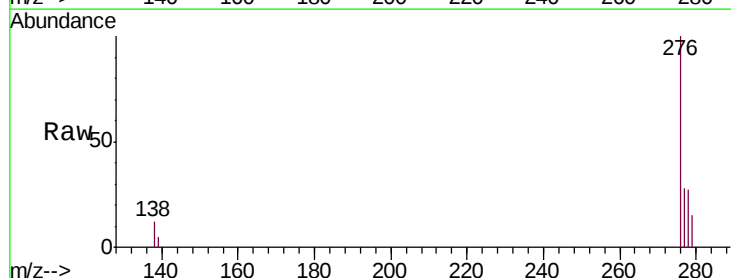
Tgt Ion:276 Resp: 5205

Ion Ratio Lower Upper

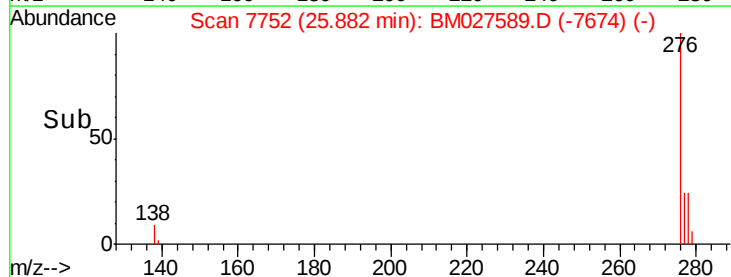
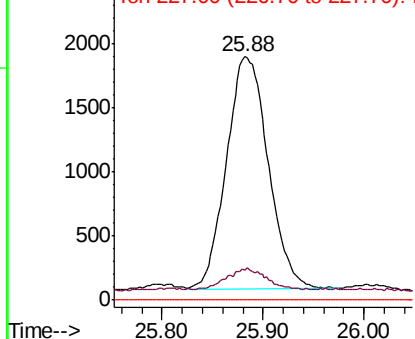
276 100

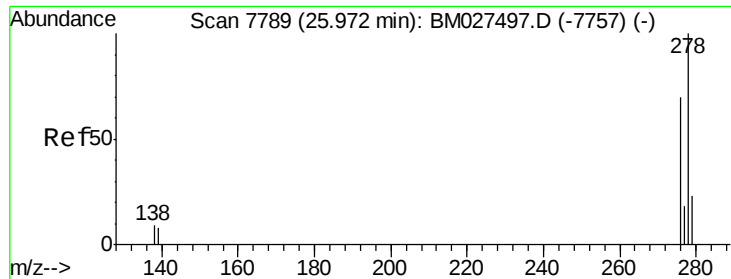
138 8.6 8.6 12.8

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: 0.068 ng/u1

RT: 25.90 min Scan# 7759

Delta R.T. -0.01 min

Lab File: BM027589.D

Acq: 02 Oct 2020 19:59

Instrument :

BNA_M

ClientSampleId :

C0AD1

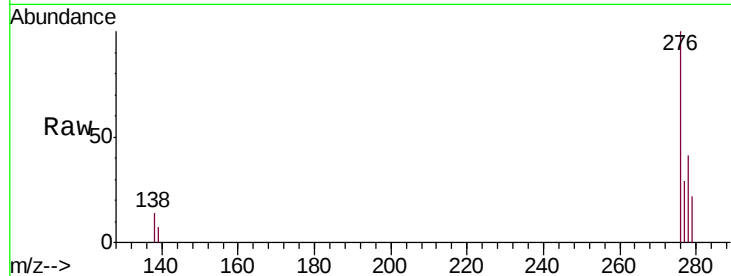
Tgt Ion:278 Resp: 1781

Ion Ratio Lower Upper

278 100

139 17.3 7.6 11.4#

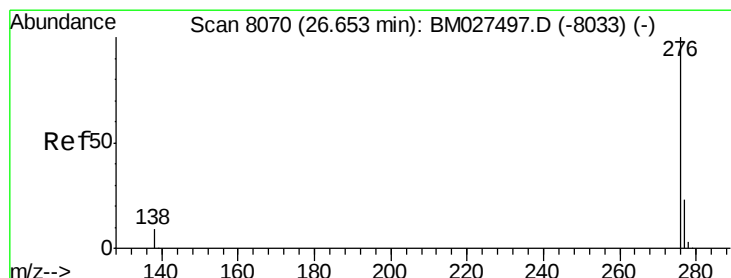
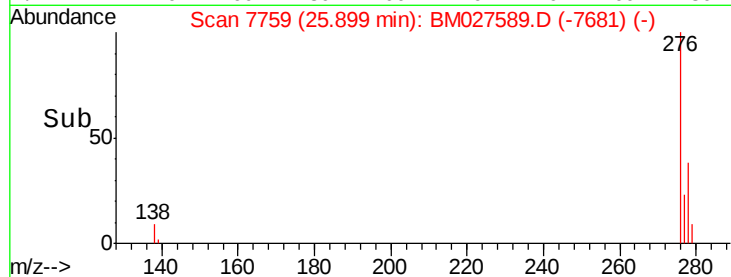
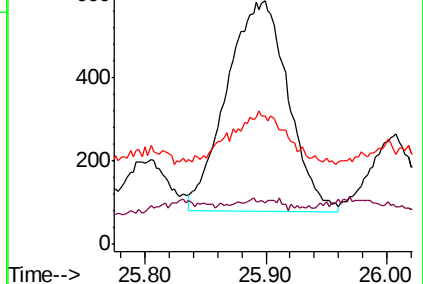
279 53.0 20.7 31.1#



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: 0.149 ng/u1

RT: 26.58 min Scan# 8040

Delta R.T. -0.01 min

Lab File: BM027589.D

Acq: 02 Oct 2020 19:59

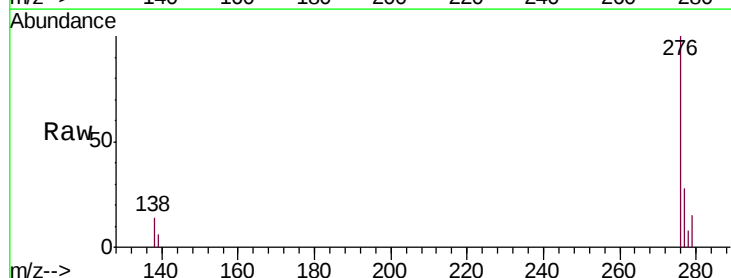
Tgt Ion:276 Resp: 4007

Ion Ratio Lower Upper

276 100

138 14.4 9.0 13.4#

277 28.2 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

