

Data File : BM027588.D
Acq On : 02 Oct 2020 19:22
Operator : JU/CG
Sample : L4166-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC4

Quant Time: Oct 03 01:37:23 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	1284	0.40	ng/ul	0.00
2) Naphthalene-d8	10.58	136	3770	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	2857	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-17.17
16) Chrysene-d12	21.35	240	7750	0.40	ng/ul	0.00
20) Perylene-d12	23.61	264	7915	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.17	152	1038	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.19	212	5154	0.00	ng/ul	0.00

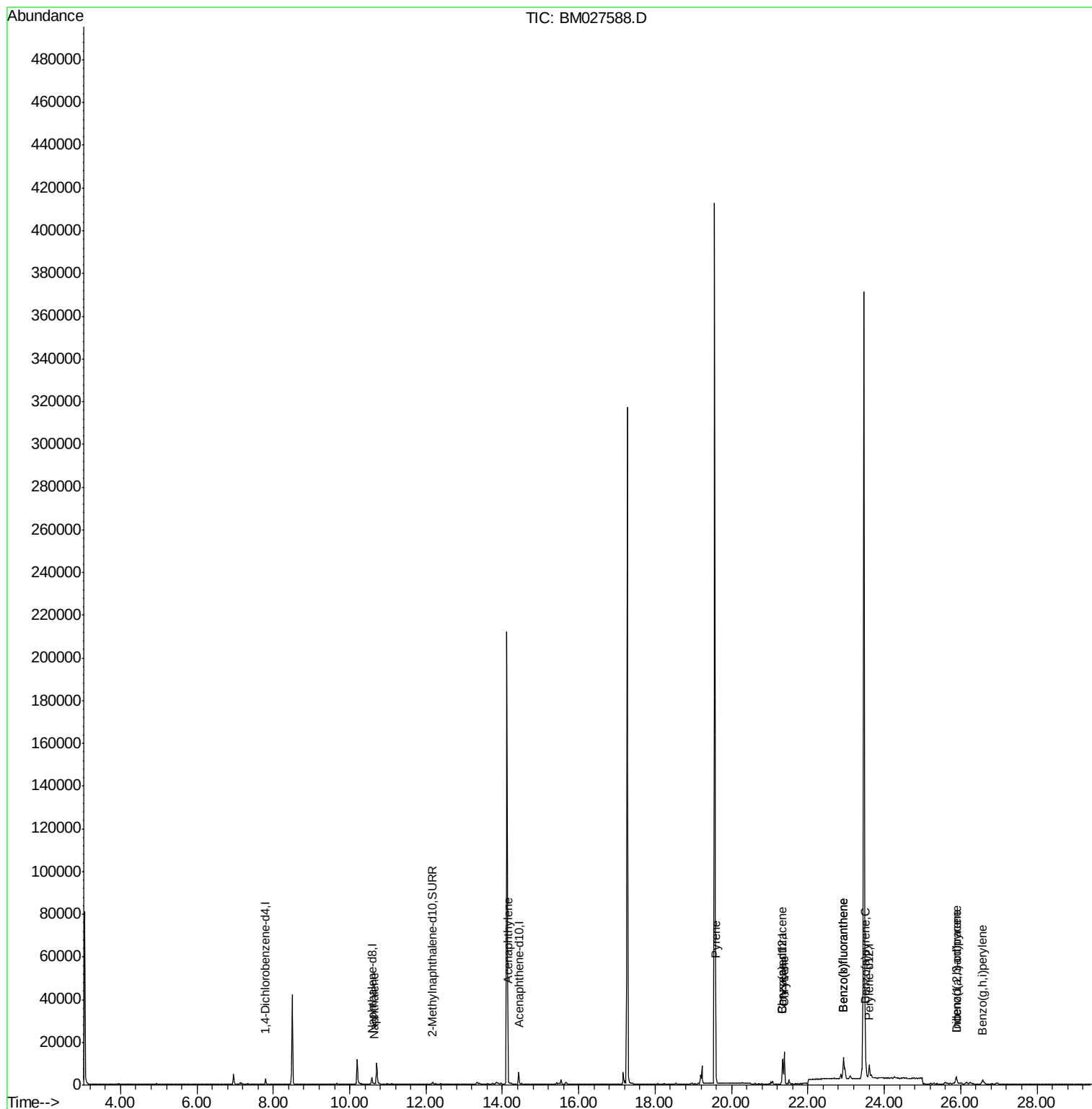
Target Compounds				Qvalue		
3) Naphthalene	10.63	128	327	0.030	ng/ul#	57
7) Acenaphthylene	14.15	152	572	0.039	ng/ul#	79
17) Pyrene	19.59	202	9742	0.275	ng/ul	99
18) Benzo(a)anthracene	21.33	228	8275	0.272	ng/ul	98
19) Chrysene	21.38	228	14231	0.452	ng/ul	99
21) Benzo(b)fluoranthene	22.93	252	22598	0.709	ng/ul	94
22) Benzo(k)fluoranthene	22.93	252	22598	0.682	ng/ul	95
23) Benzo(a)pyrene	23.51	252	8834	0.309	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.88	276	5536	0.151	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.89	278	1747	0.058	ng/ul#	55
26) Benzo(g,h,i)perylene	26.58	276	4331	0.140	ng/ul	92

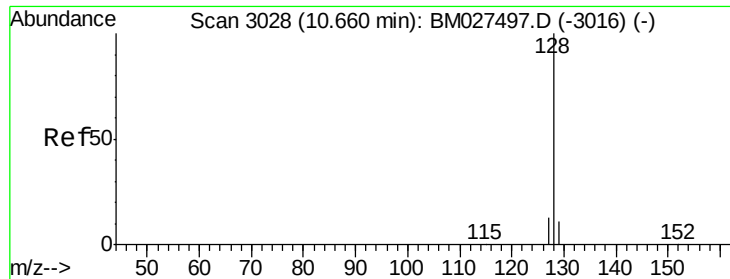
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.030 ng/ul

RT: 10.63 min Scan# 3021

Delta R.T. -0.00 min

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Instrument :

BNA_M

ClientSampleId :

C0AC4

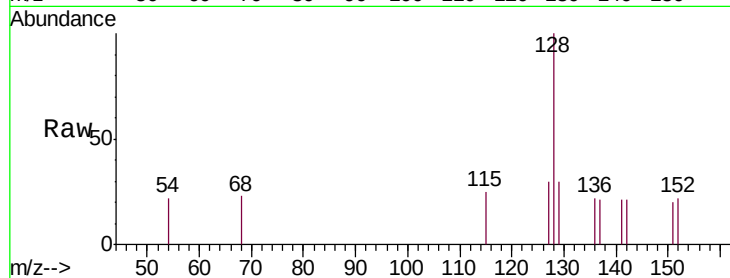
Tgt Ion:128 Resp: 327

Ion Ratio Lower Upper

128 100

129 30.5 9.9 14.9#

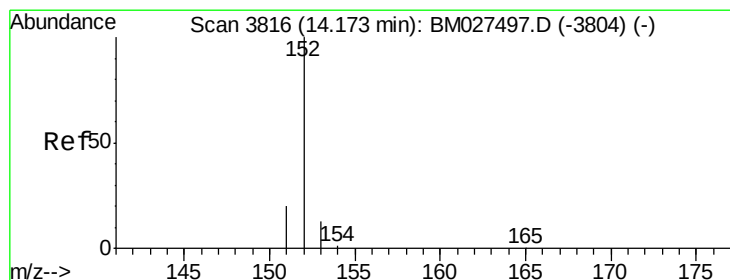
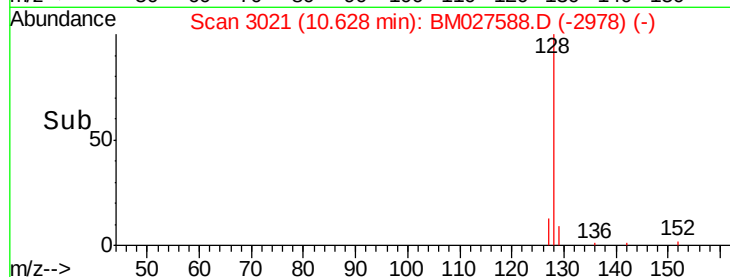
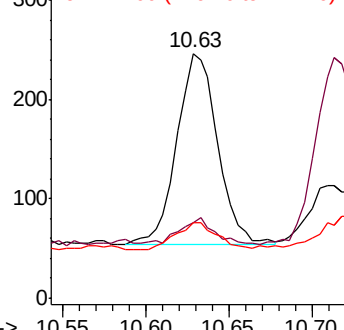
127 30.5 11.4 17.2#



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



#7

Acenaphthylene

Concen: 0.039 ng/ul

RT: 14.15 min Scan# 3809

Delta R.T. -0.00 min

Lab File: BM027588.D

Acq: 02 Oct 2020 19:22

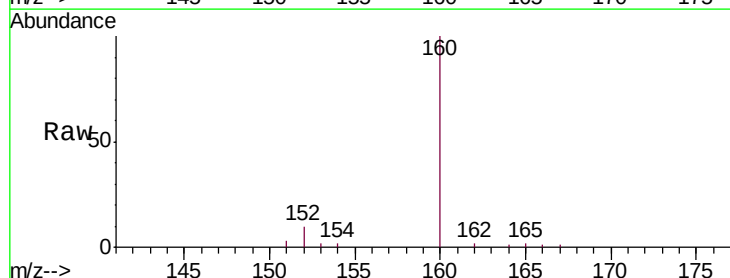
Tgt Ion:152 Resp: 572

Ion Ratio Lower Upper

152 100

151 30.0 16.6 24.8#

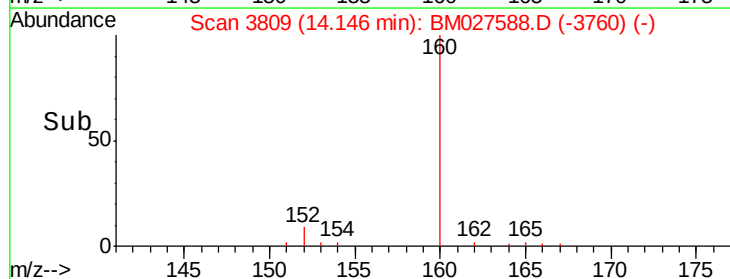
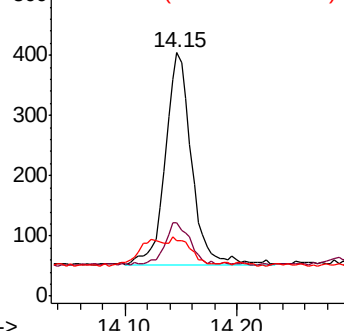
153 23.0 11.4 17.0#

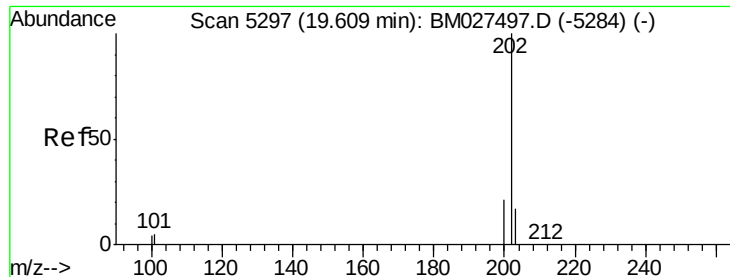


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

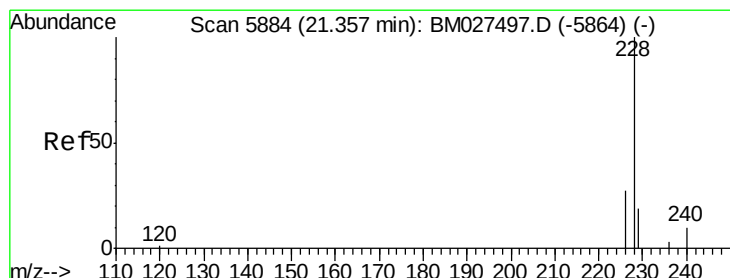
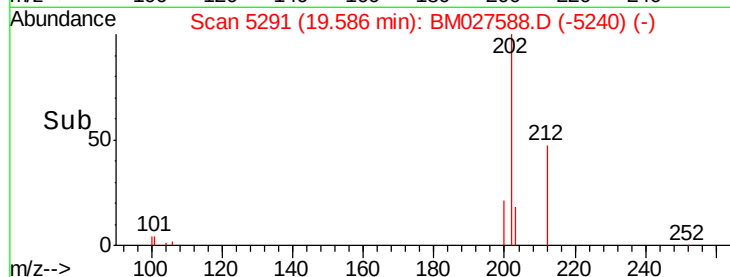
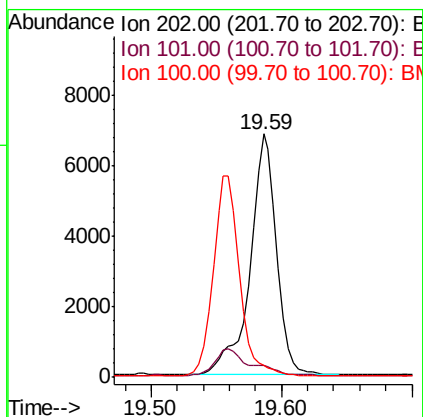
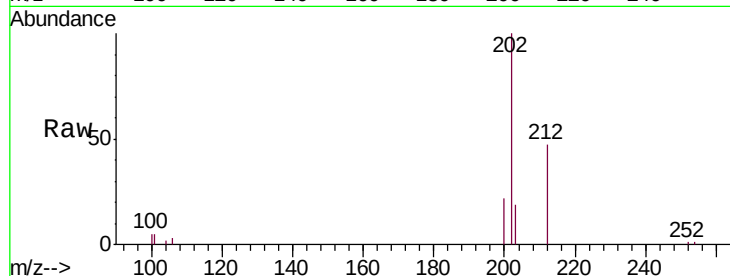




#17
 Pyrene
 Concen: 0.275 ng/ul
 RT: 19.59 min Scan# 5291
 Delta R.T. -0.00 min
 Lab File: BM027588.D
 Acq: 02 Oct 2020 19:22

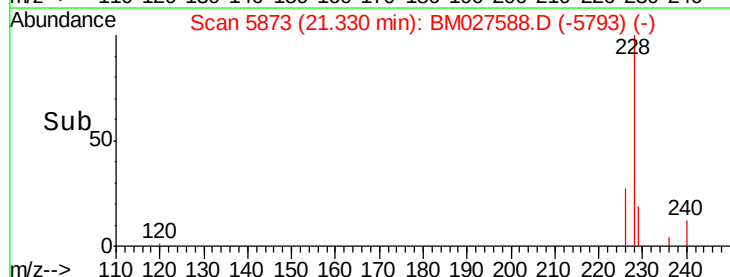
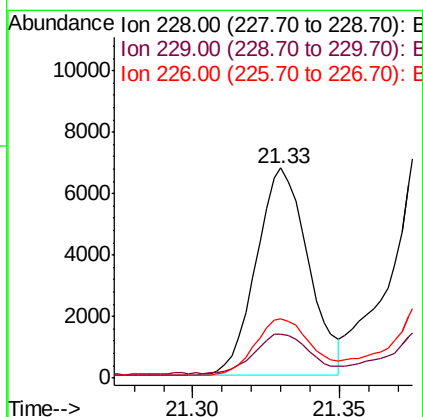
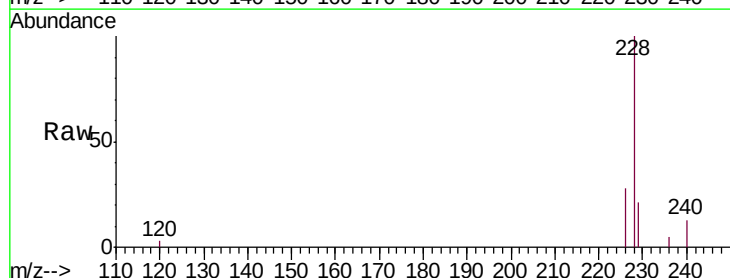
Instrument :
 BNA_M
 ClientSampleId :
 C0AC4

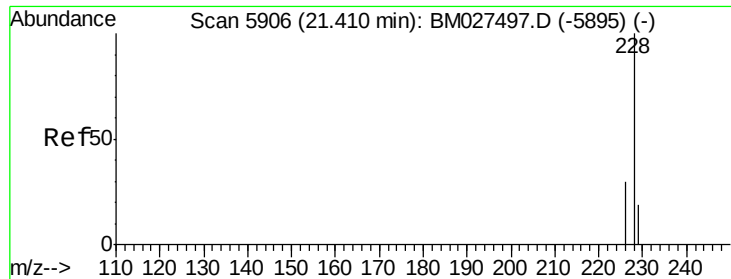
Tgt Ion:202 Resp: 9742
 Ion Ratio Lower Upper
 202 100
 101 5.2 4.7 7.1
 100 5.0 3.9 5.9



#18
 Benzo(a)anthracene
 Concen: 0.272 ng/ul
 RT: 21.33 min Scan# 5873
 Delta R.T. -0.01 min
 Lab File: BM027588.D
 Acq: 02 Oct 2020 19:22

Tgt Ion:228 Resp: 8275
 Ion Ratio Lower Upper
 228 100
 229 20.9 15.6 23.4
 226 28.1 21.8 32.8





#19

Chrysene

Concen: 0.452 ng/ul

RT: 21.38 min Scan# 5894

Delta R.T. -0.01 min

Lab File: BM027588.D

Acq: 02 Oct 2020 19:22

Instrument :

BNA_M

ClientSampleId :

C0AC4

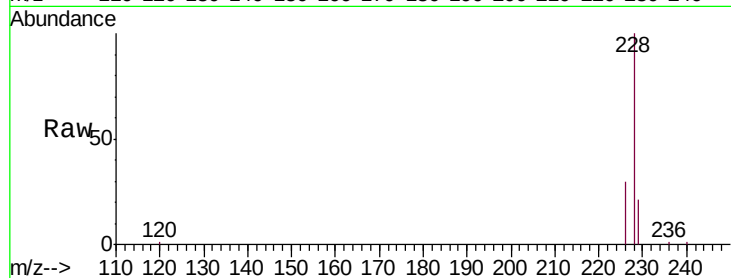
Tgt Ion:228 Resp: 14231

Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.4

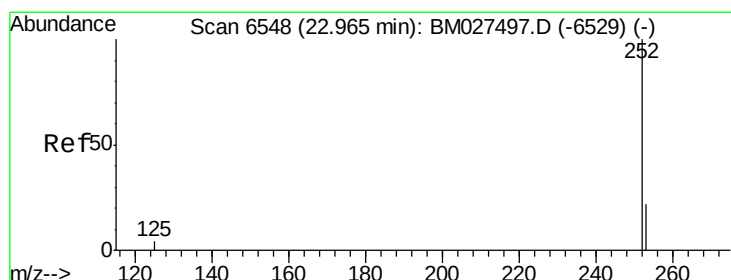
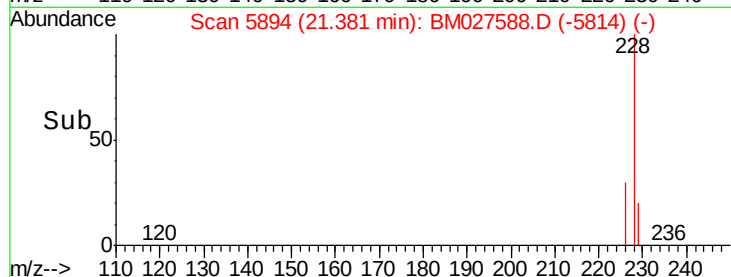
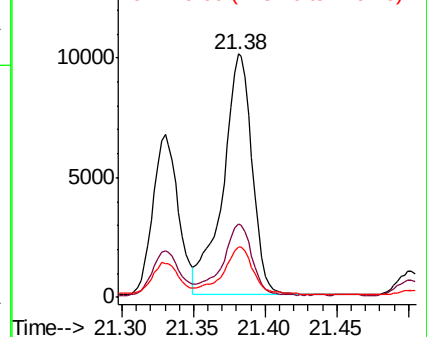
229 20.8 15.8 23.8



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: 0.709 ng/ul

RT: 22.93 min Scan# 6533

Delta R.T. -0.01 min

Lab File: BM027588.D

Acq: 02 Oct 2020 19:22

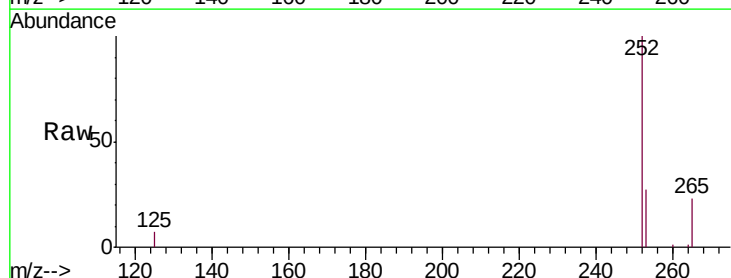
Tgt Ion:252 Resp: 22598

Ion Ratio Lower Upper

252 100

253 27.0 0.0 48.2

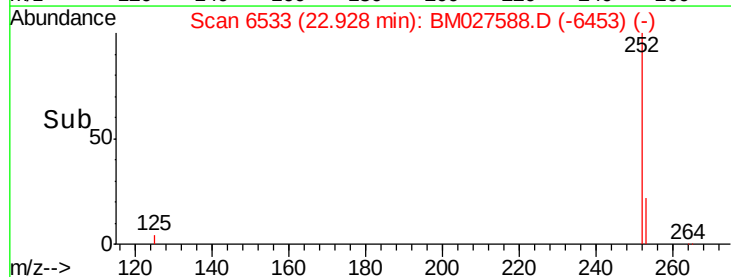
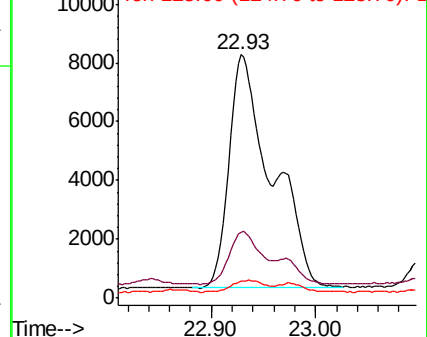
125 6.8 0.0 10.6

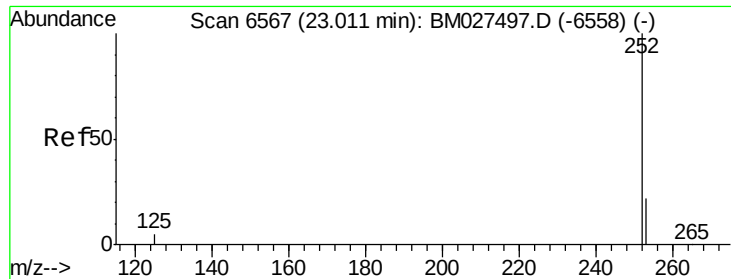


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.682 ng/ul

RT: 22.93 min Scan# 6533

Delta R.T. -0.05 min

Lab File: BM027588.D

Acq: 02 Oct 2020 19:22

Instrument :

BNA_M

ClientSampleId :

C0AC4

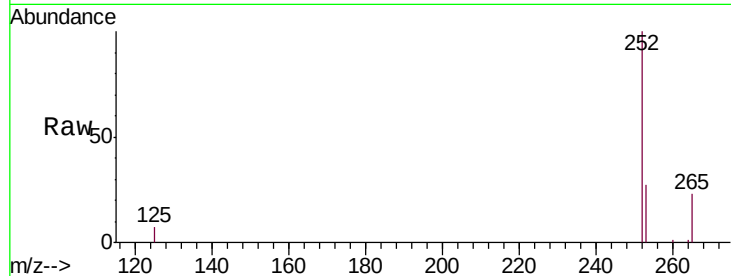
Tgt Ion:252 Resp: 22598

Ion Ratio Lower Upper

252 100

253 27.0 19.1 28.7

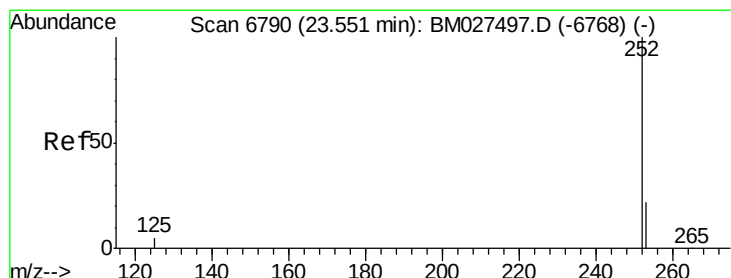
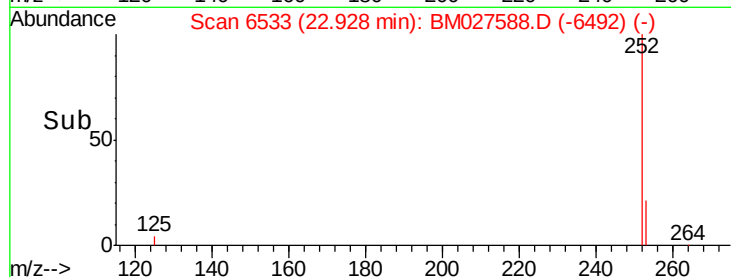
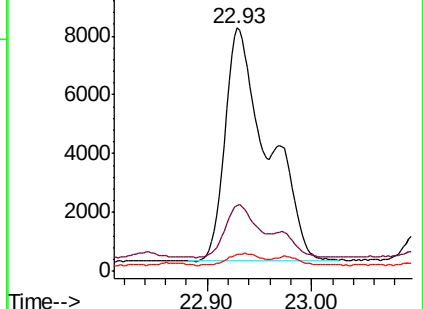
125 6.8 5.0 7.4



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: 0.309 ng/ul

RT: 23.51 min Scan# 6774

Delta R.T. -0.00 min

Lab File: BM027588.D

Acq: 02 Oct 2020 19:22

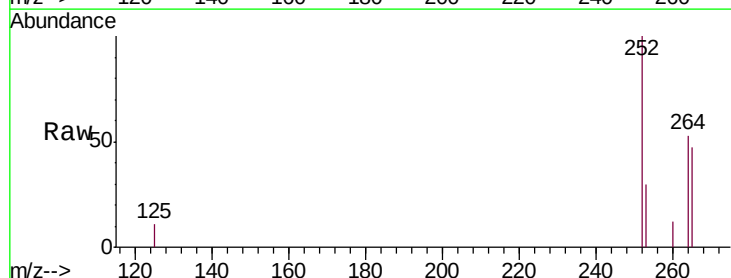
Tgt Ion:252 Resp: 8834

Ion Ratio Lower Upper

252 100

253 29.9 19.6 29.4#

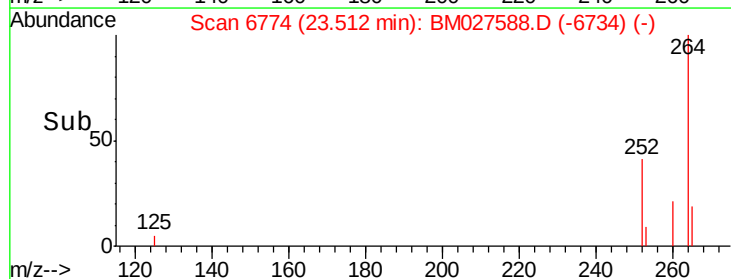
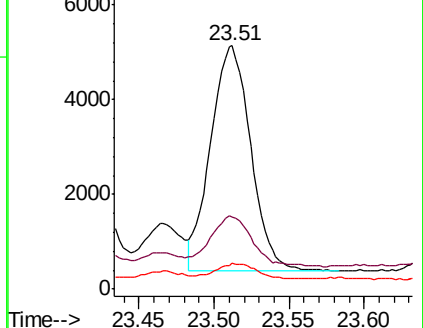
125 10.7 5.0 7.6#

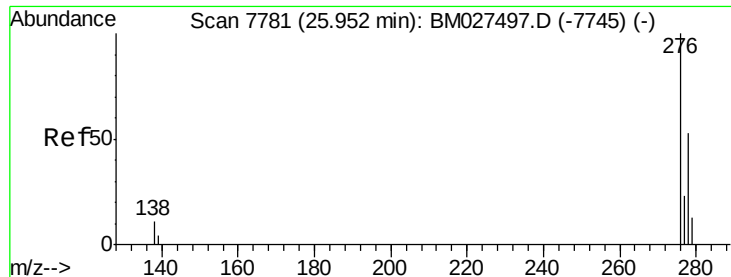


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



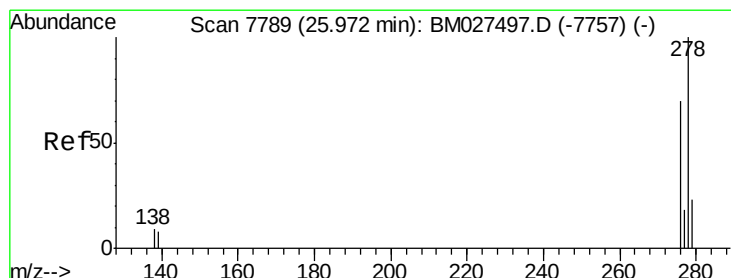
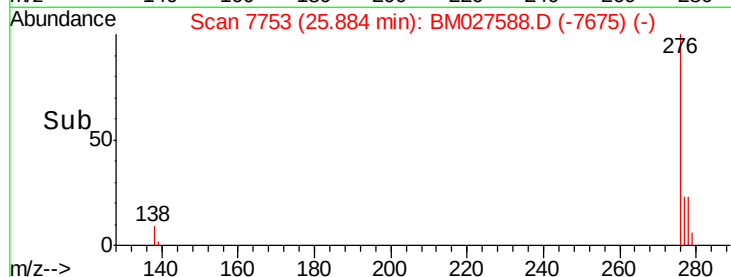
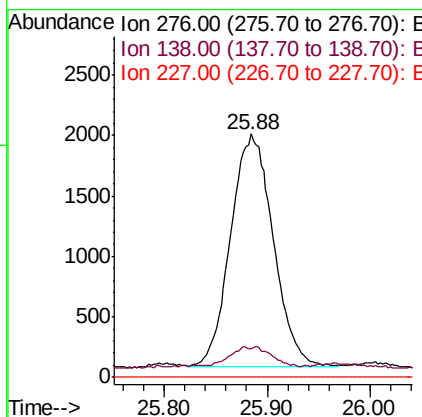
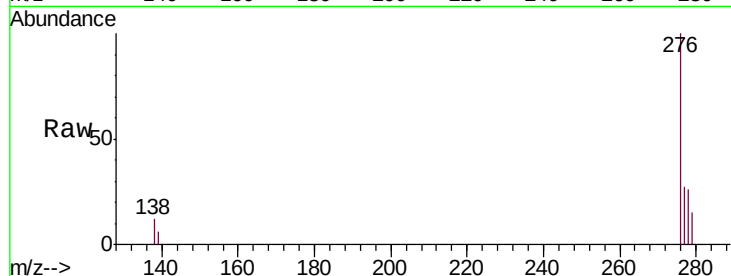


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.151 ng/ul
RT: 25.88 min Scan# 7753
Delta R.T. -0.01 min
Lab File: BM027588.D
Acq: 02 Oct 2020 19:22

Instrument :
BNA_M
ClientSampleId :
C0AC4

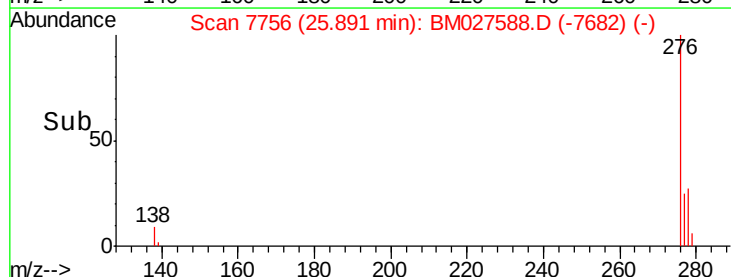
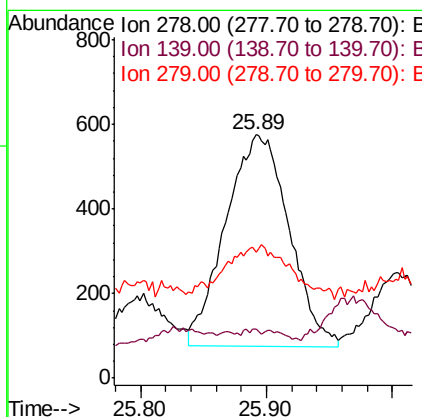
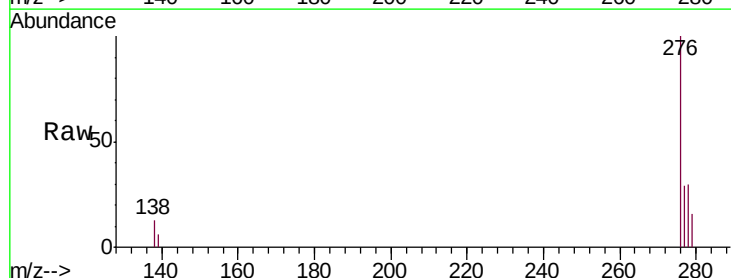
Tgt Ion:276 Resp: 5536
Ion Ratio Lower Upper
276 100
138 7.9 8.6 12.8#
227 0.0 0.0 0.0

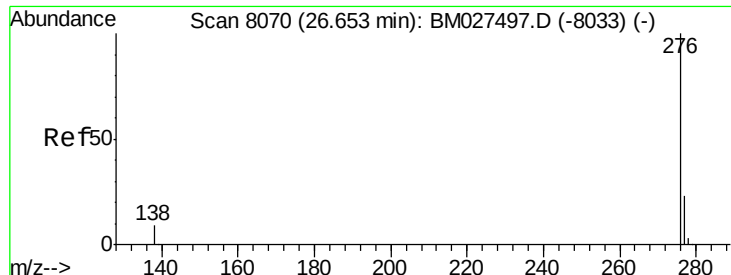


#25

Dibenzo(a,h)anthracene
Concen: 0.058 ng/ul
RT: 25.89 min Scan# 7756
Delta R.T. -0.02 min
Lab File: BM027588.D
Acq: 02 Oct 2020 19:22

Tgt Ion:278 Resp: 1747
Ion Ratio Lower Upper
278 100
139 20.0 7.6 11.4#
279 51.9 20.7 31.1#





#26

Benzo(g,h,i)perylene

Concen: 0.140 ng/ul

RT: 26.58 min Scan# 8040

Delta R.T. -0.01 min

Lab File: BM027588.D

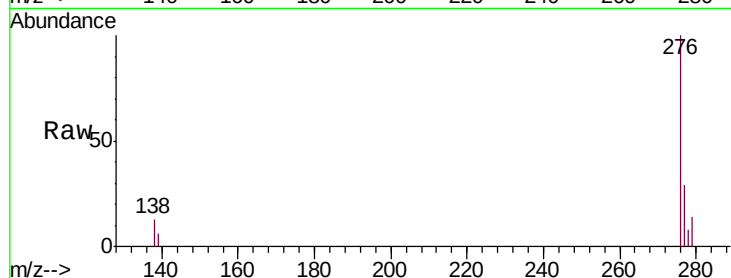
Acq: 02 Oct 2020 19:22

Instrument :

BNA_M

ClientSampleId :

C0AC4



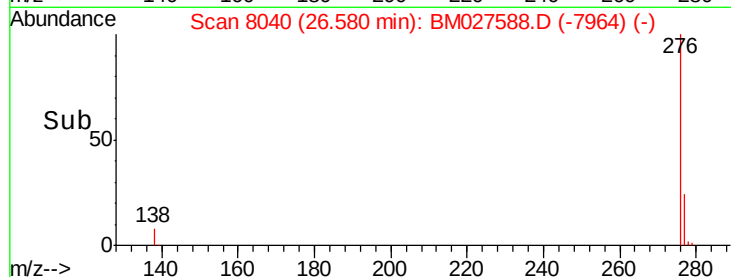
Tgt Ion: 276 Resp: 4331

Ion Ratio Lower Upper

276 100

138 13.3 9.0 13.4

277 28.8 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

