

Data File : BM027970.D
Acq On : 25 Nov 2020 19:00
Operator : JU/CG
Sample : L4769-05DL 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0B37DL

Quant Time: Nov 26 00:49:52 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 26 00:48:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.32	152	1009	0.40	ng/ul	0.00
2) Naphthalene-d8	11.16	136	4039	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	2264	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	4009	0.40	ng/ul	0.00
16) Chrysene-d12	21.76	240	2233	0.40	ng/ul	0.00
20) Perylene-d12	24.17	264	2104	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.72	152	207	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.64	212	307	0.03	ng/ul	0.00

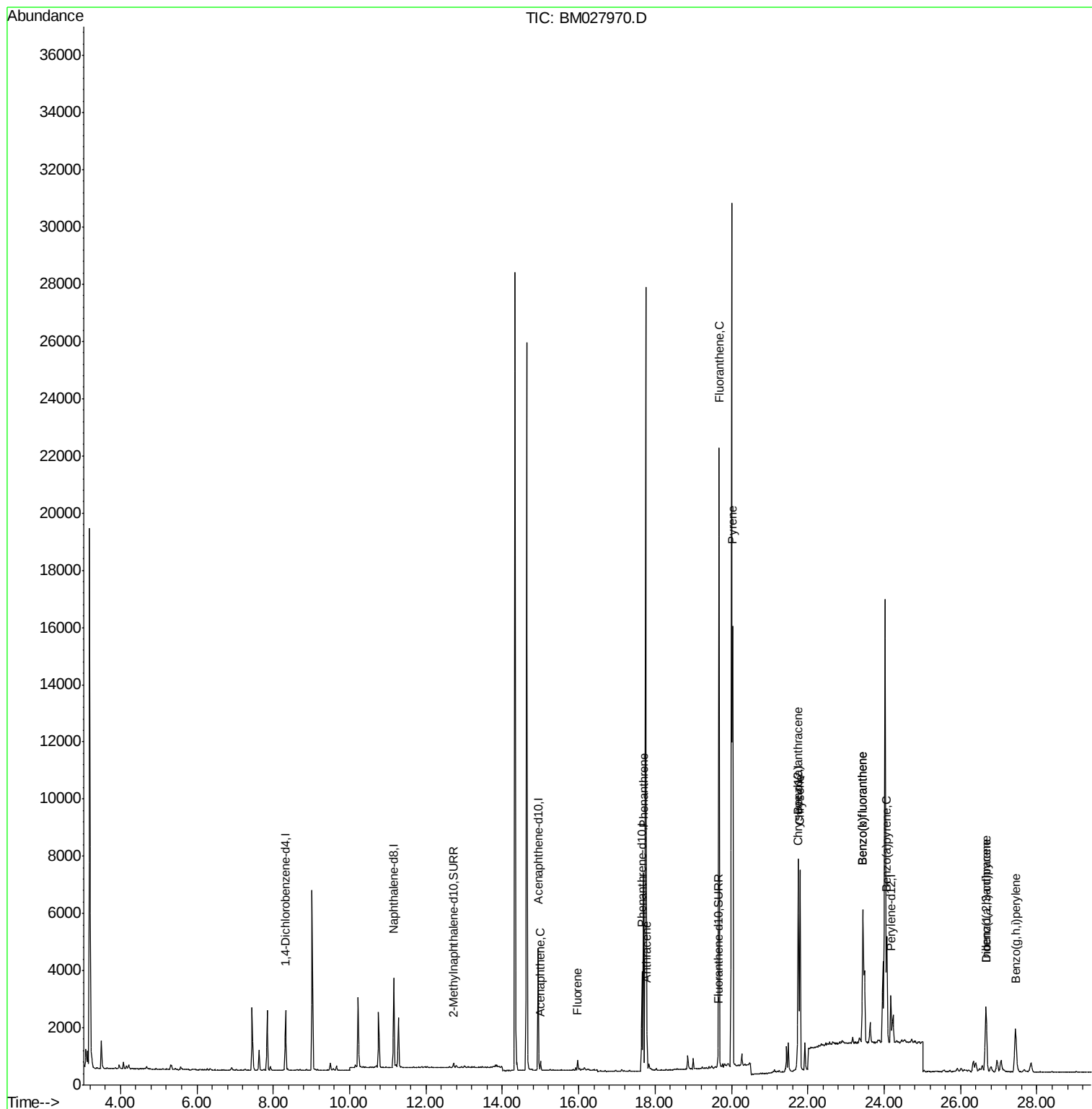
Target Compounds				Qvalue		
8) Acenaphthene	15.00	153	173	0.021	ng/ul#	87
9) Fluorene	15.97	166	227	0.024	ng/ul#	93
12) Phenanthrene	17.69	178	7147	0.564	ng/ul	98
13) Anthracene	17.78	178	1190	0.097	ng/ul#	90
15) Fluoranthene	19.67	202	17198	1.225	ng/ul	98
17) Pyrene	20.03	202	13956	1.231	ng/ul	96
18) Benzo(a)anthracene	21.74	228	6177	0.686	ng/ul	99
19) Chrysene	21.80	228	6821	0.777	ng/ul	98
21) Benzo(b)fluoranthene	23.44	252	11213	1.268	ng/ul	97
22) Benzo(k)fluoranthene	23.44	252	11213	1.295	ng/ul	98
23) Benzo(a)pyrene	24.07	252	5556	0.719	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	26.67	276	3964	0.474	ng/ul#	97
25) Dibenzo(a,h)anthracene	26.67	278	959	0.138	ng/ul#	63
26) Benzo(g,h,i)perylene	27.44	276	3550	0.505	ng/ul	99

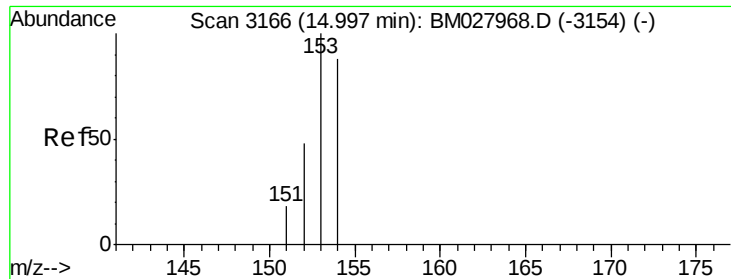
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthene

Concen: 0.021 ng/ul

RT: 15.00 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BM027970.D

Acq: 25 Nov 2020 19:00

Instrument :

BNA_M

ClientSampleId :

C0B37DL

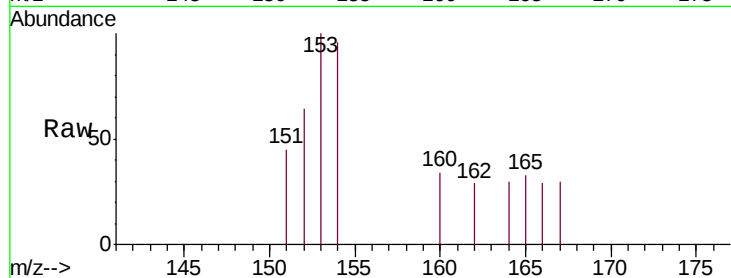
Tgt Ion:153 Resp: 173

Ion Ratio Lower Upper

153 100

152 63.9 39.0 58.6#

154 96.4 71.6 107.4



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

15.00

150

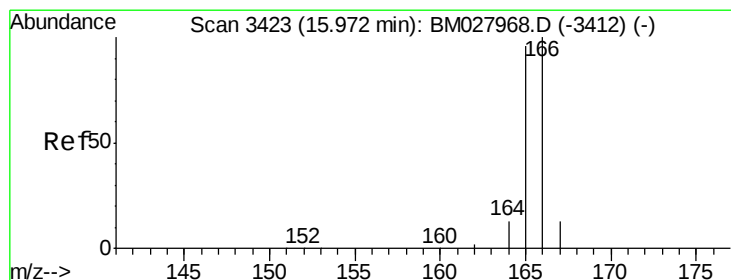
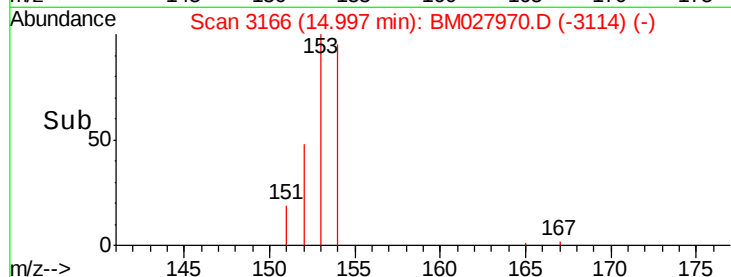
100

50

0

14.95 15.00 15.05

Time-->



#9

Fluorene

Concen: 0.024 ng/ul

RT: 15.97 min Scan# 3423

Delta R.T. 0.00 min

Lab File: BM027970.D

Acq: 25 Nov 2020 19:00

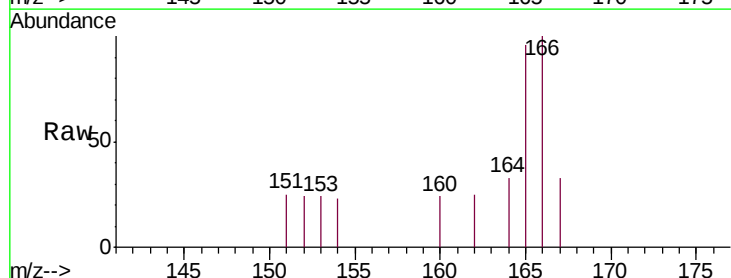
Tgt Ion:166 Resp: 227

Ion Ratio Lower Upper

166 100

165 96.3 78.1 117.1

167 33.2 11.8 17.8#



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

15.97

200

150

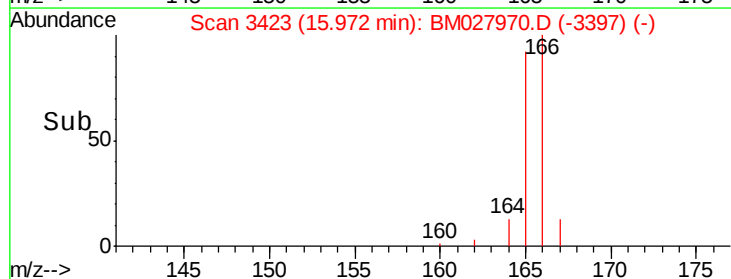
100

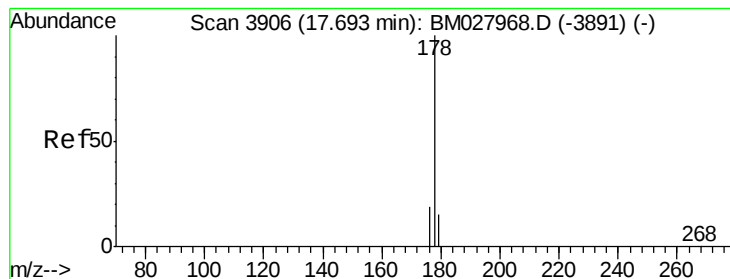
50

0

15.95 16.00

Time-->





#12

Phenanthrene

Concen: 0.564 ng/ul

RT: 17.69 min Scan# 3906

Delta R.T. -0.00 min

Lab File: BM027970.D

Acq: 25 Nov 2020 19:00

Instrument :

BNA_M

ClientSampleId :

C0B37DL

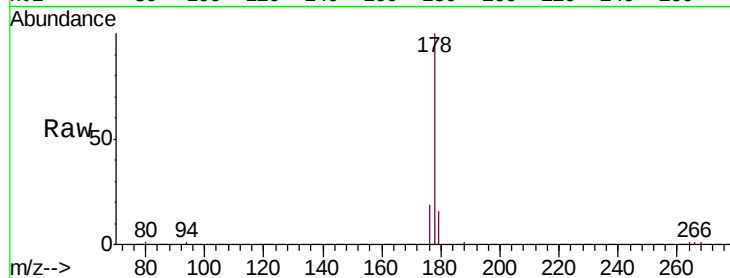
Tgt Ion:178 Resp: 7147

Ion Ratio Lower Upper

178 100

179 16.1 13.6 20.4

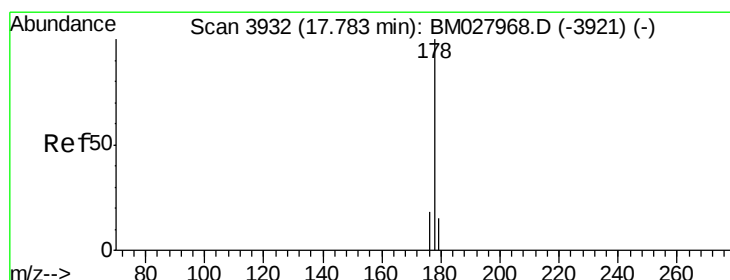
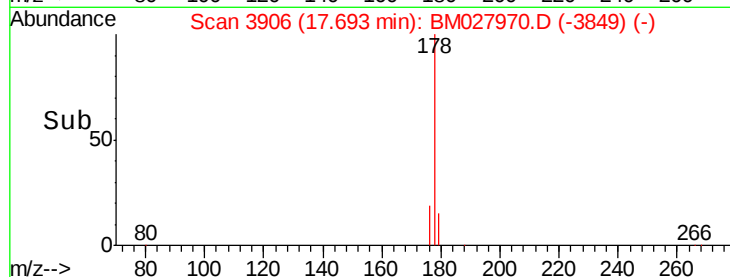
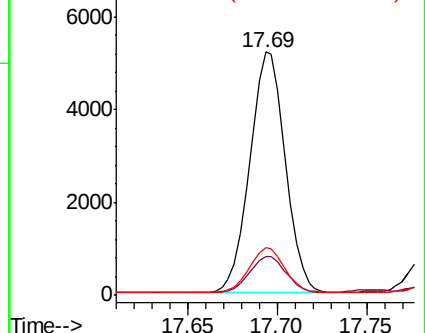
176 19.4 16.1 24.1



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: 0.097 ng/ul

RT: 17.78 min Scan# 3932

Delta R.T. -0.00 min

Lab File: BM027970.D

Acq: 25 Nov 2020 19:00

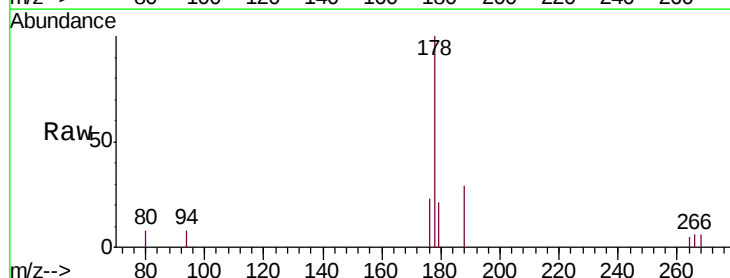
Tgt Ion:178 Resp: 1190

Ion Ratio Lower Upper

178 100

179 21.0 13.4 20.2#

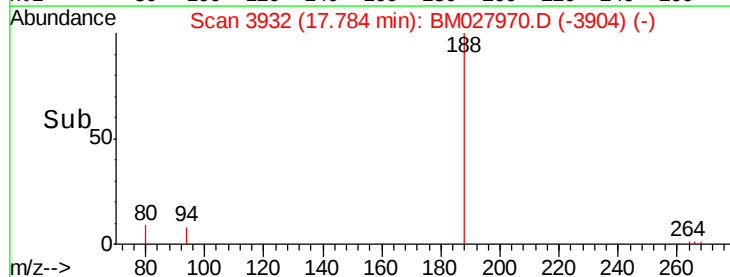
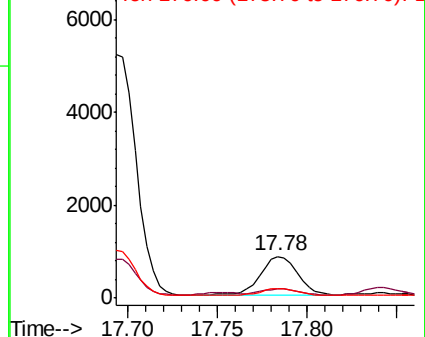
176 23.0 15.0 22.6#

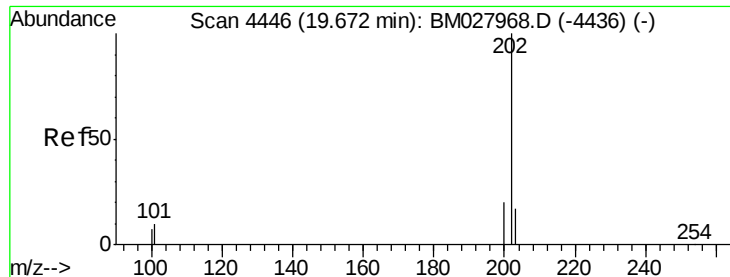


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 1.225 ng/ul

RT: 19.67 min Scan# 4446

Delta R.T. 0.00 min

Lab File: BM027970.D

Acq: 25 Nov 2020 19:00

Instrument :

BNA_M

ClientSampleId :

C0B37DL

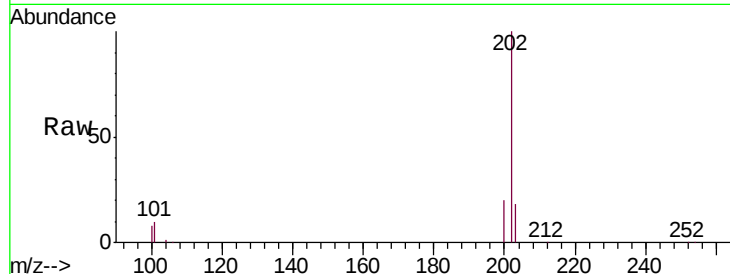
Tgt Ion:202 Resp: 17198

Ion Ratio Lower Upper

202 100

101 10.0 0.0 29.3

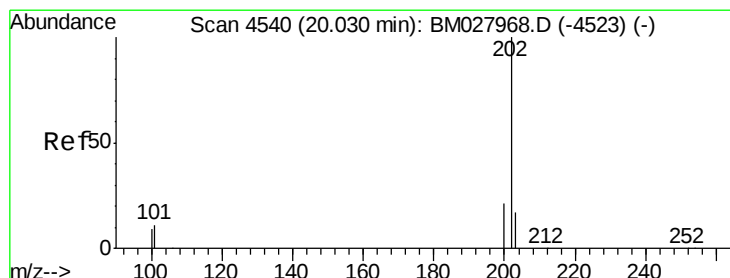
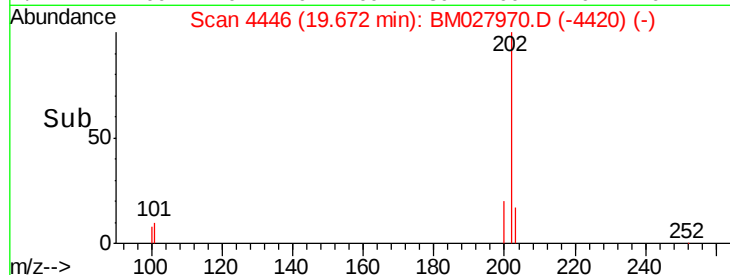
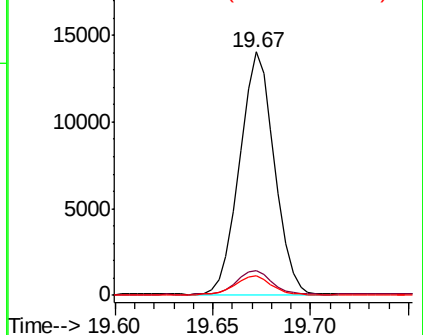
100 8.2 0.0 27.4



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: 1.231 ng/ul

RT: 20.03 min Scan# 4540

Delta R.T. 0.00 min

Lab File: BM027970.D

Acq: 25 Nov 2020 19:00

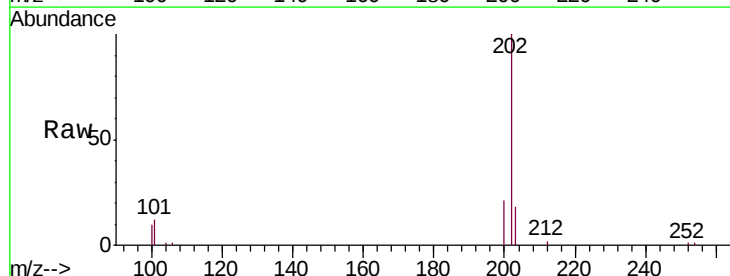
Tgt Ion:202 Resp: 13956

Ion Ratio Lower Upper

202 100

101 11.7 8.2 12.2

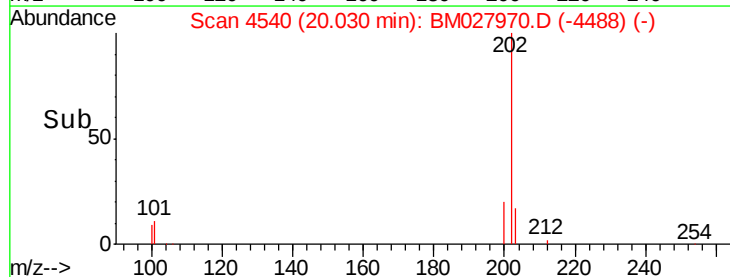
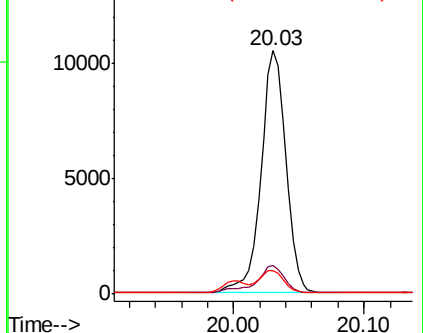
100 9.7 6.9 10.3

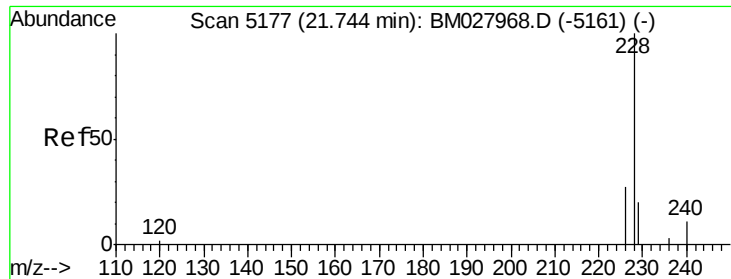


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.686 ng/ul

RT: 21.74 min Scan# 5176

Delta R.T. 0.00 min

Lab File: BM027970.D

Acq: 25 Nov 2020 19:00

Instrument :

BNA_M

ClientSampleId :

C0B37DL

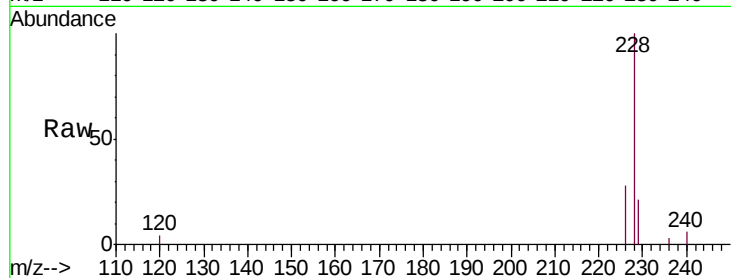
Tgt Ion:228 Resp: 6177

Ion Ratio Lower Upper

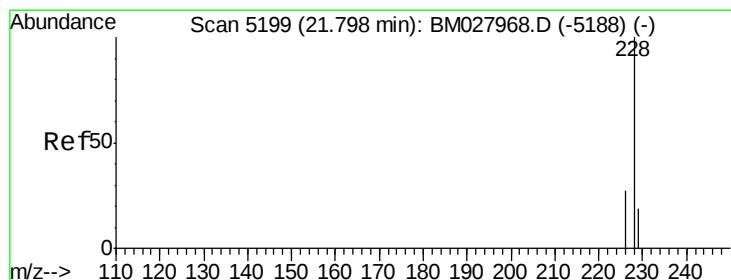
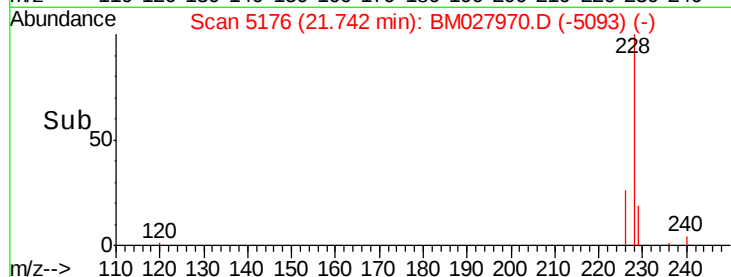
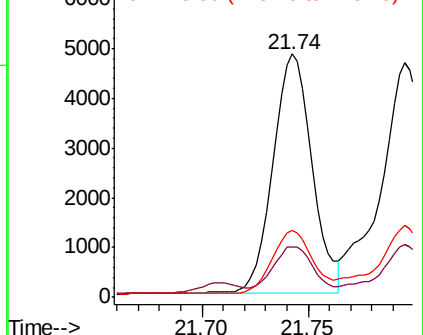
228 100

229 20.9 16.2 24.4

226 27.7 21.5 32.3



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: 0.777 ng/ul

RT: 21.80 min Scan# 5198

Delta R.T. -0.00 min

Lab File: BM027970.D

Acq: 25 Nov 2020 19:00

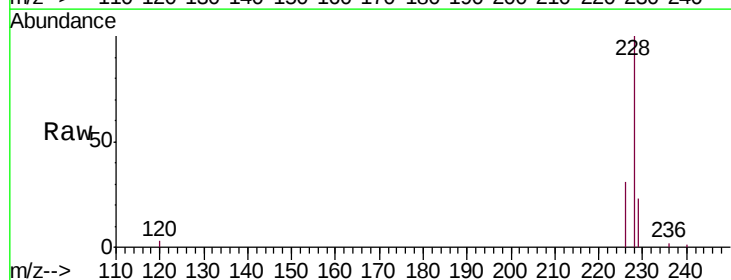
Tgt Ion:228 Resp: 6821

Ion Ratio Lower Upper

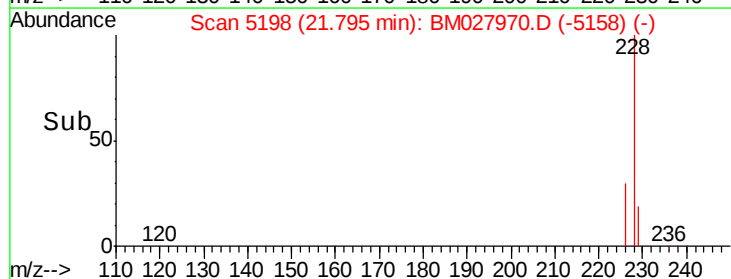
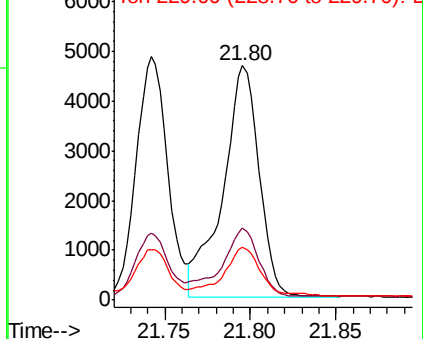
228 100

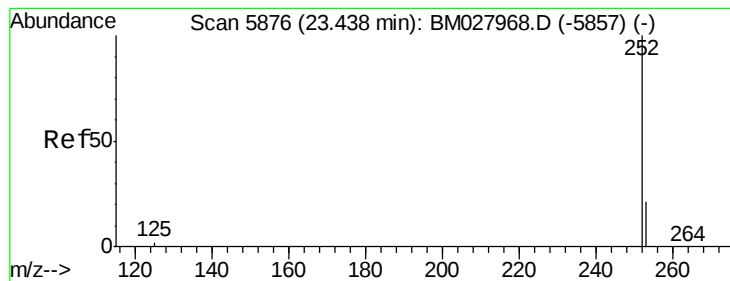
226 30.7 24.1 36.1

229 22.7 16.6 24.8



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: 1.268 ng/ul

RT: 23.44 min Scan# 5876

Delta R.T. 0.00 min

Lab File: BM027970.D

Acq: 25 Nov 2020 19:00

Instrument :

BNA_M

ClientSampleId :

C0B37DL

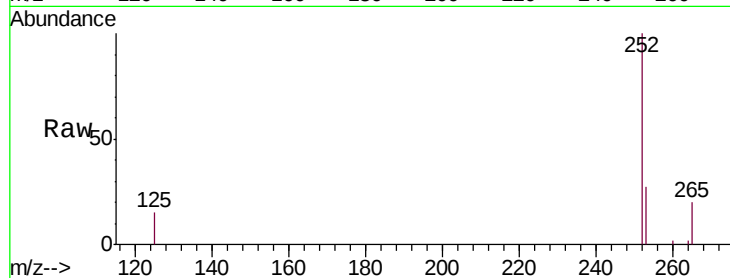
Tgt Ion:252 Resp: 11213

Ion Ratio Lower Upper

252 100

253 27.3 0.0 59.6

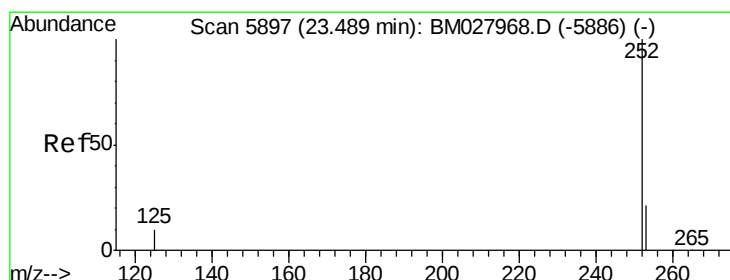
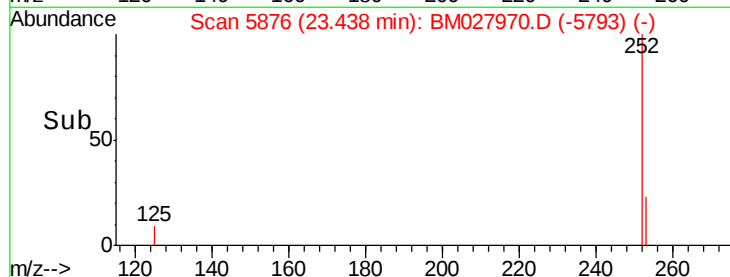
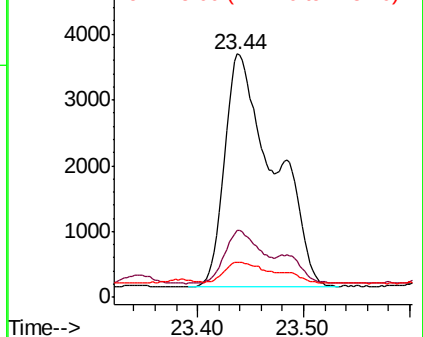
125 14.6 0.0 28.4



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



#22

Benzo(k)fluoranthene

Concen: 1.295 ng/ul

RT: 23.44 min Scan# 5876

Delta R.T. -0.05 min

Lab File: BM027970.D

Acq: 25 Nov 2020 19:00

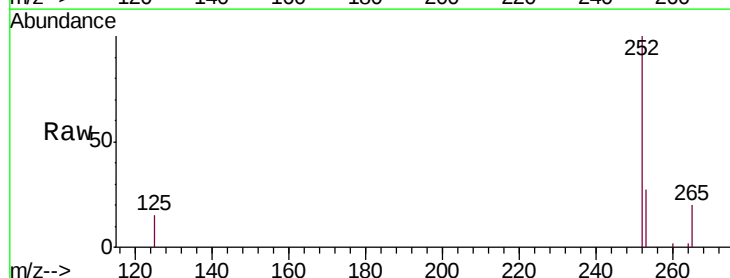
Tgt Ion:252 Resp: 11213

Ion Ratio Lower Upper

252 100

253 27.3 23.2 34.8

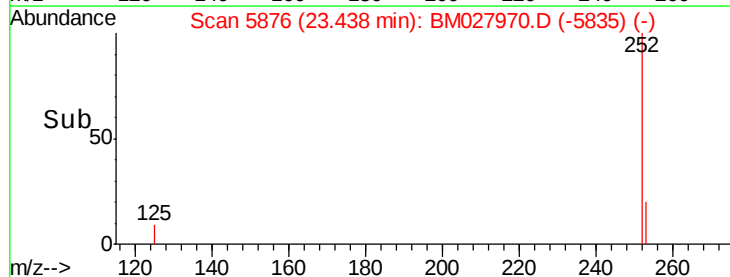
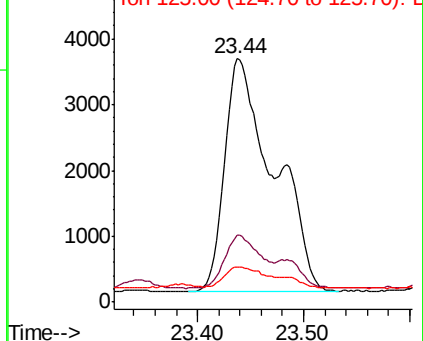
125 14.6 11.8 17.6

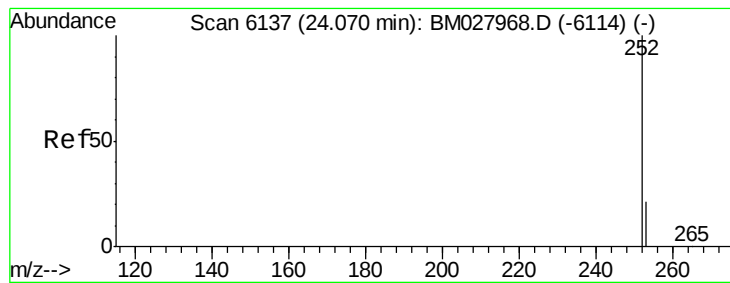


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.719 ng/u1

RT: 24.07 min Scan# 6136

Delta R.T. -0.00 min

Lab File: BM027970.D

Acq: 25 Nov 2020 19:00

Instrument :

BNA_M

ClientSampleId :

C0B37DL

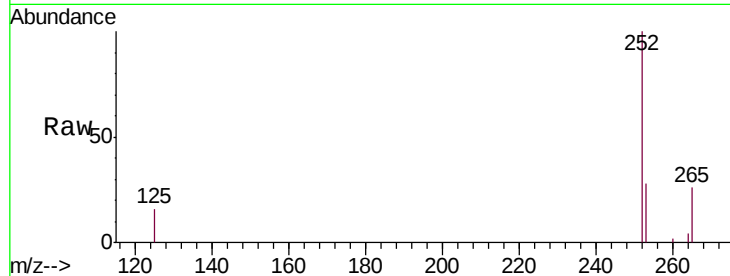
Tgt Ion: 252 Resp: 5556

Ion Ratio Lower Upper

252 100

253 28.4 25.2 37.8

125 16.2 13.8 20.6

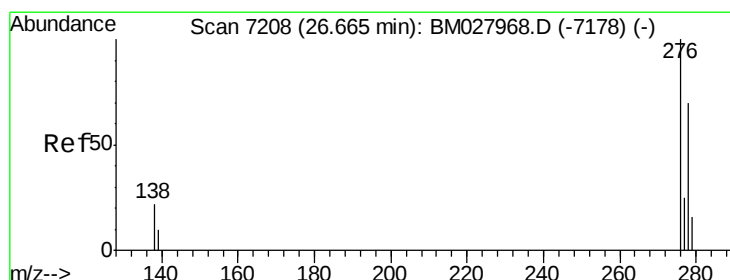
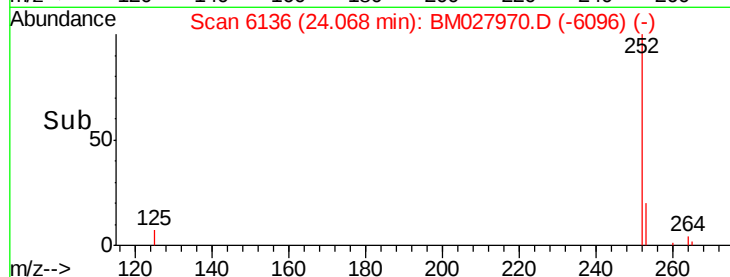
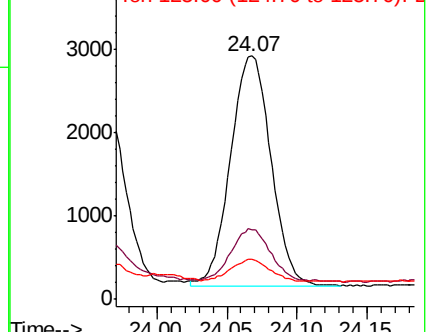


Abundance

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: 0.474 ng/u1

RT: 26.67 min Scan# 7208

Delta R.T. -0.00 min

Lab File: BM027970.D

Acq: 25 Nov 2020 19:00

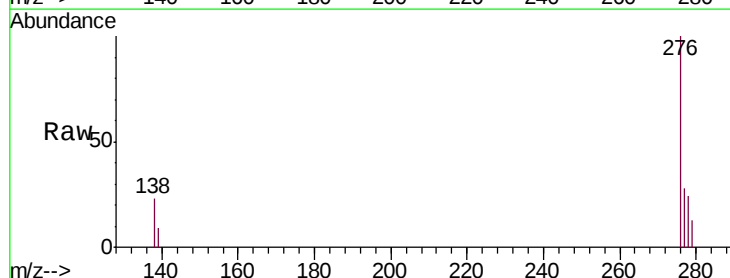
Tgt Ion: 276 Resp: 3964

Ion Ratio Lower Upper

276 100

138 18.2 15.7 23.5

227 0.0 0.0 0.0

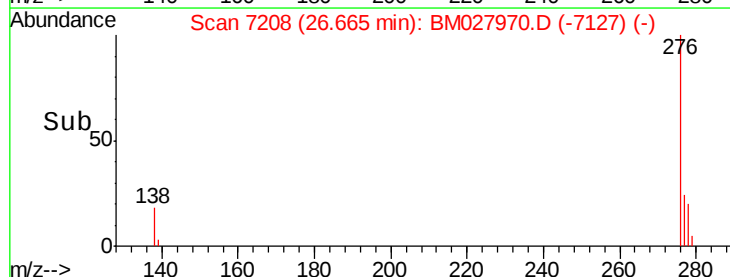
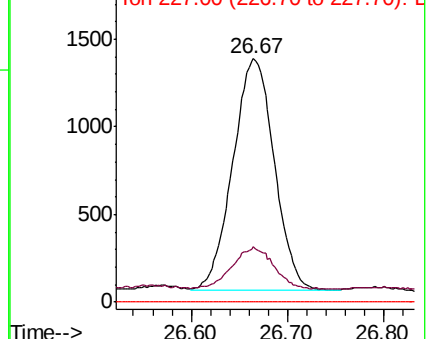


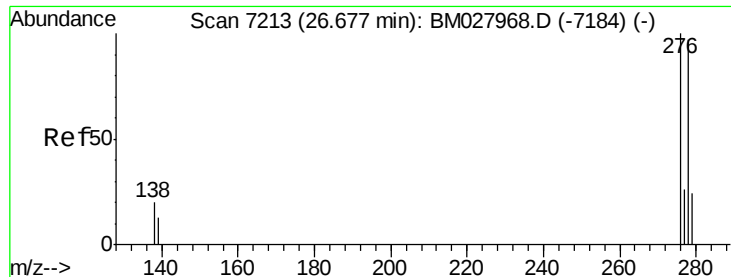
Abundance

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

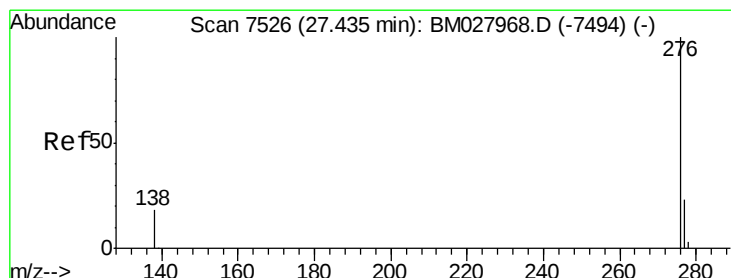
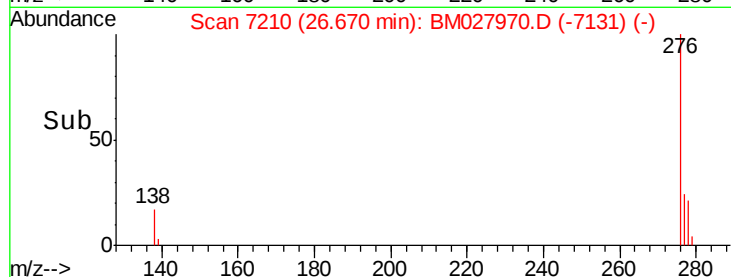
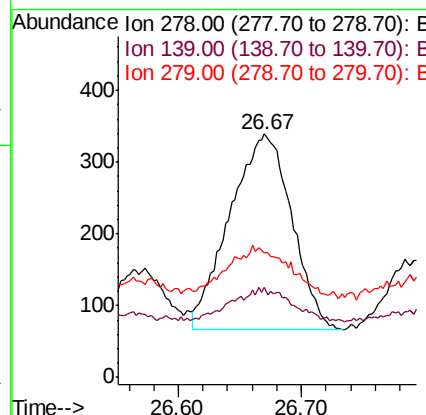
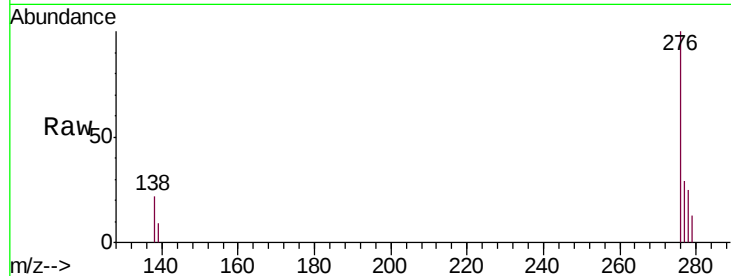




#25
Dibenzo(a,h)anthracene
Concen: 0.138 ng/ul
RT: 26.67 min Scan# 7210
Delta R.T. -0.01 min
Lab File: BM027970.D
Acq: 25 Nov 2020 19:00

Instrument :
BNA_M
ClientSampleId :
C0B37DL

Tgt Ion: 278 Resp: 959
Ion Ratio Lower Upper
278 100
139 36.9 14.8 22.2#
279 51.3 25.8 38.6#



#26
Benzo(g,h,i)perylene
Concen: 0.505 ng/ul
RT: 27.44 min Scan# 7528
Delta R.T. -0.00 min
Lab File: BM027970.D
Acq: 25 Nov 2020 19:00

Tgt Ion: 276 Resp: 3550
Ion Ratio Lower Upper
276 100
138 22.8 17.4 26.2
277 28.3 22.5 33.7

