

Data File : BM027971.D
Acq On : 25 Nov 2020 19:36
Operator : JU/CG
Sample : L4749-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0B69

Quant Time: Nov 26 00:50:02 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	1179	0.40	ng/ul	0.00
2) Naphthalene-d8	11.15	136	4683	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	2667	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	4361	0.40	ng/ul	0.00
16) Chrysene-d12	21.76	240	2719	0.40	ng/ul	0.00
20) Perylene-d12	24.18	264	2588	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.72	152	1883	0.24	ng/ul	0.00
14) Fluoranthene-d10	19.64	212	2611	0.22	ng/ul	0.00

Target Compounds						Qvalue
3) Naphthalene	11.21	128	694	0.049	ng/ul#	81
5) 2-Methylnaphthalene	12.79	142	461	0.048	ng/ul	99
7) Acenaphthylene	14.66	152	580	0.045	ng/ul#	53
8) Acenaphthene	15.00	153	960	0.098	ng/ul	97
9) Fluorene	15.97	166	1209	0.107	ng/ul#	95
12) Phenanthrene	17.69	178	39507	2.868	ng/ul	97
13) Anthracene	17.78	178	6073	0.457	ng/ul	99
15) Fluoranthene	19.67	202	124939	8.179	ng/ul	99
17) Pyrene	20.03	202	100017	7.243	ng/ul	97
18) Benzo(a)anthracene	21.74	228	50647	4.617	ng/ul	100
19) Chrysene	21.80	228	62565	5.855	ng/ul	99
21) Benzo(b)fluoranthene	23.44	252	107782	9.910	ng/ul	89
22) Benzo(k)fluoranthene	23.63	252	4212	0.395	ng/ul	94
23) Benzo(a)pyrene	24.07	252	49293	5.184	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.67	276	37679	3.660	ng/ul#	97
25) Dibenzo(a,h)anthracene	26.67	278	9345	1.090	ng/ul	93
26) Benzo(g,h,i)perylene	27.44	276	34449	3.988	ng/ul	94

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

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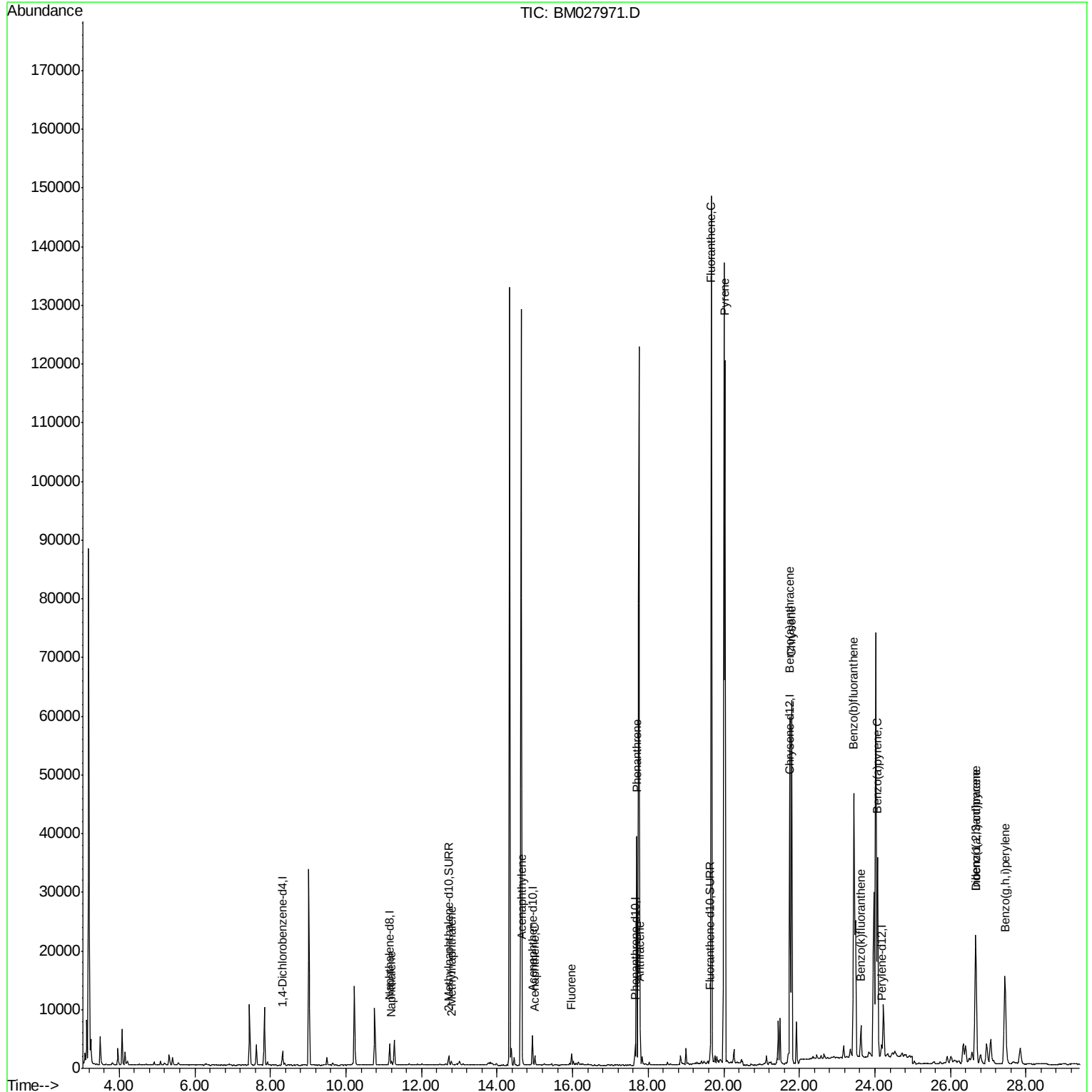
Quant Time: Nov 26 00:50:02 2020

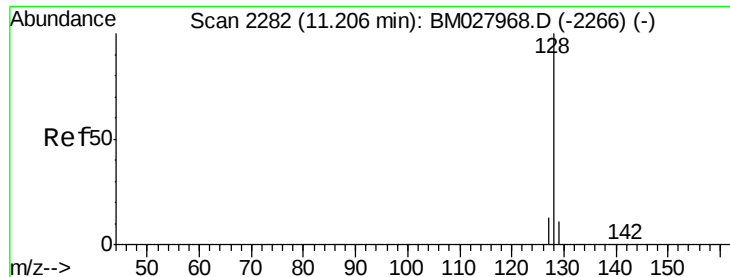
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112020.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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Response via : Initial Calibration





#3

Naphthalene

Concen: 0.049 ng/ul

RT: 11.21 min Scan# 2282

Delta R.T. 0.00 min

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Acq: 25 Nov 2020 19:36

Instrument :

BNA_M

ClientSampleId :

C0B69

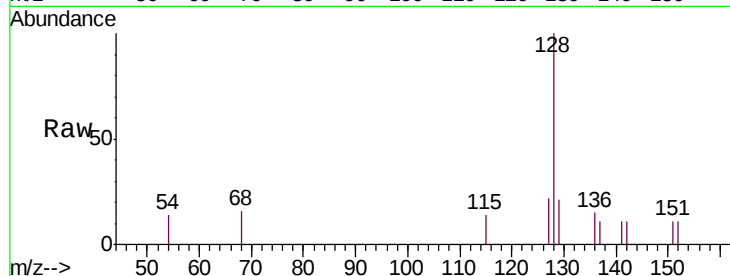
Tgt Ion:128 Resp: 694

Ion Ratio Lower Upper

128 100

129 21.2 10.4 15.6#

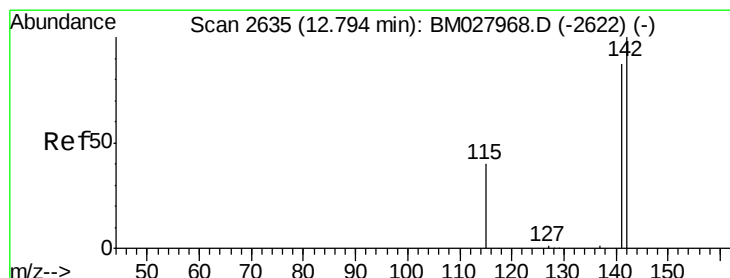
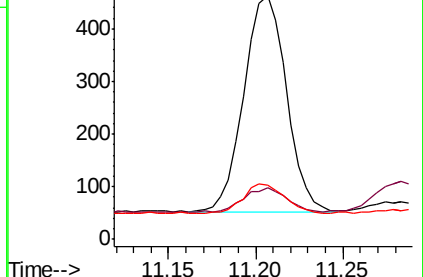
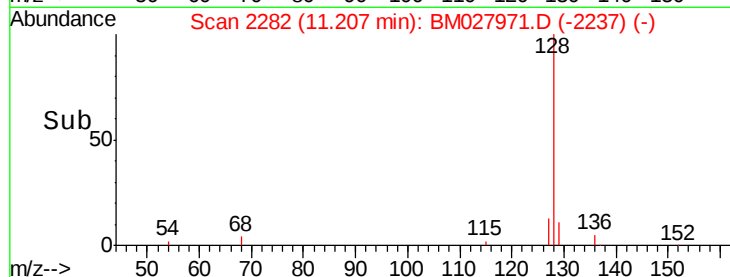
127 22.2 12.0 18.0#



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: 0.048 ng/ul

RT: 12.79 min Scan# 2635

Delta R.T. 0.00 min

Lab File: BM027971.D

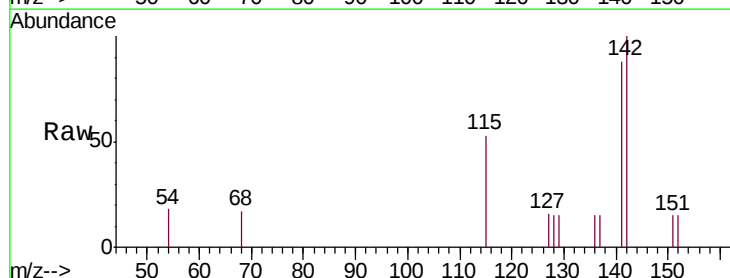
Acq: 25 Nov 2020 19:36

Tgt Ion:142 Resp: 461

Ion Ratio Lower Upper

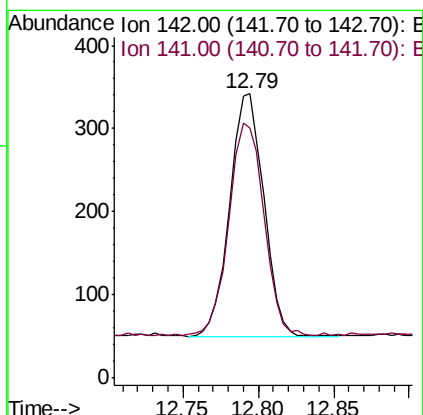
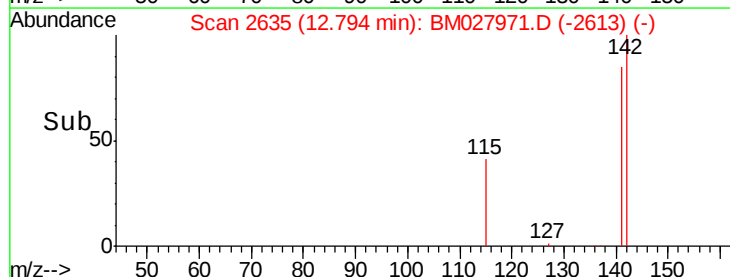
142 100

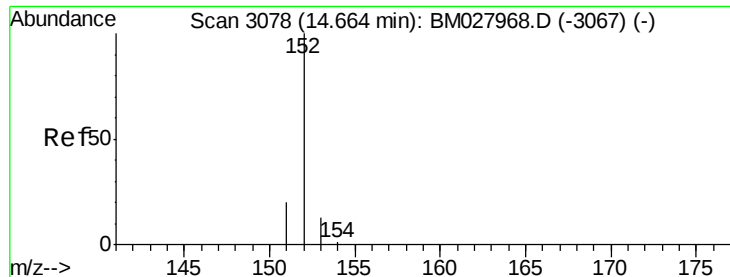
141 90.0 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.045 ng/ul

RT: 14.66 min Scan# 3078

Delta R.T. 0.00 min

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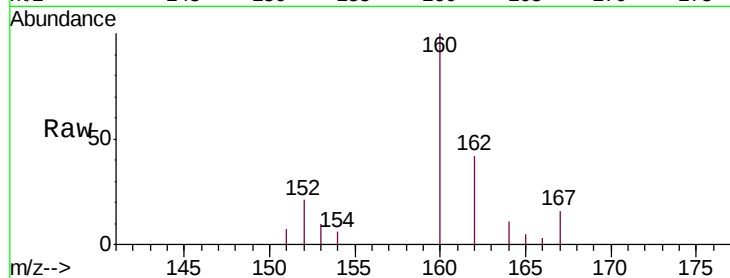
Tgt Ion:152 Resp: 580

Ion Ratio Lower Upper

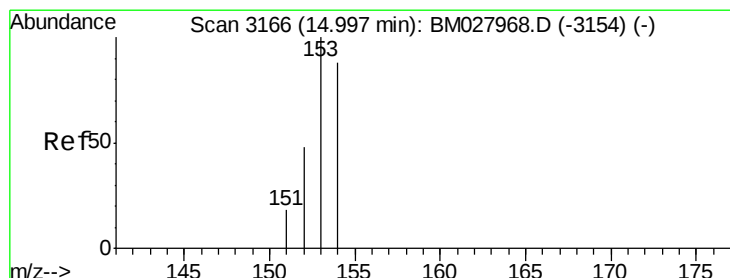
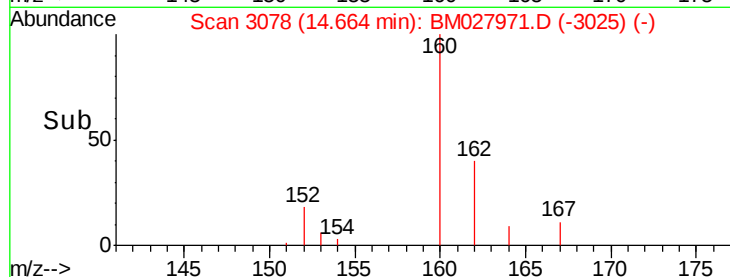
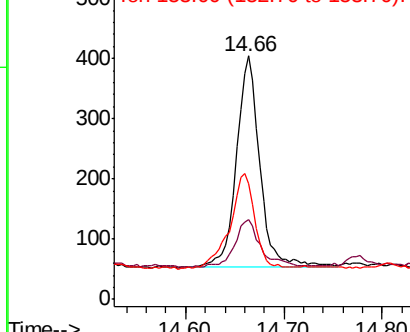
152 100

151 32.7 17.1 25.7#

153 47.8 12.0 18.0#



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: 0.098 ng/ul

RT: 15.00 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BM027971.D

Acq: 25 Nov 2020 19:36

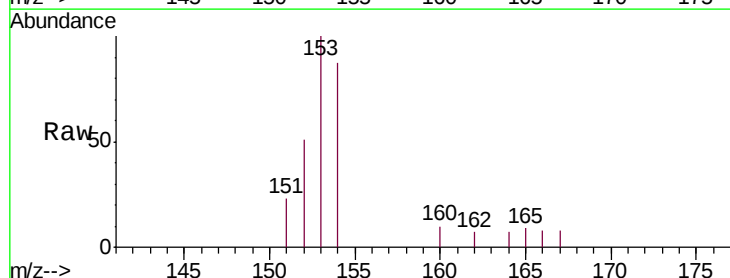
Tgt Ion:153 Resp: 960

Ion Ratio Lower Upper

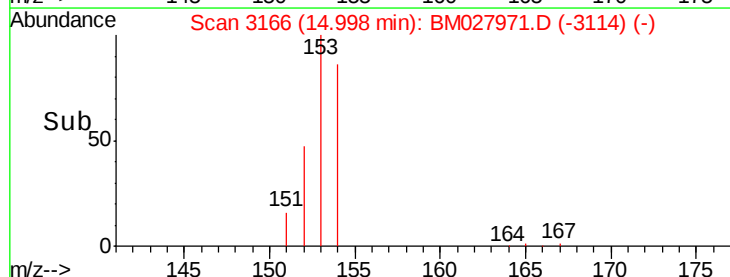
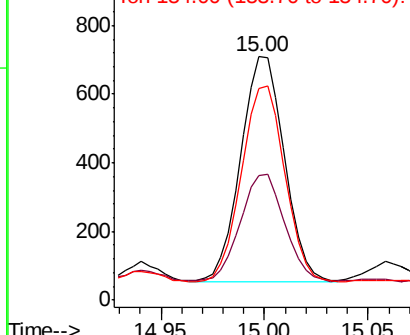
153 100

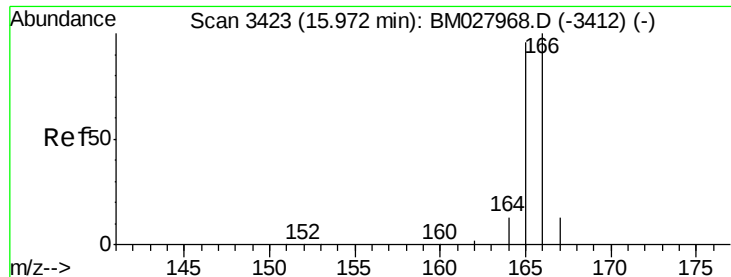
152 51.3 39.0 58.6

154 87.2 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

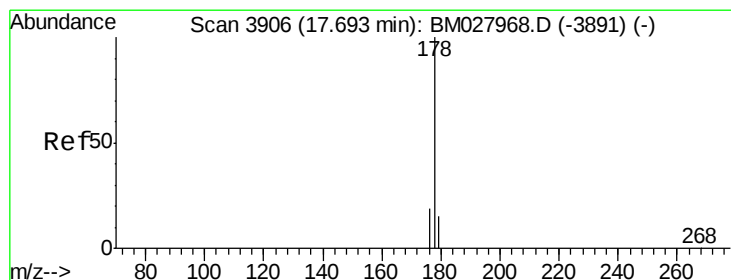
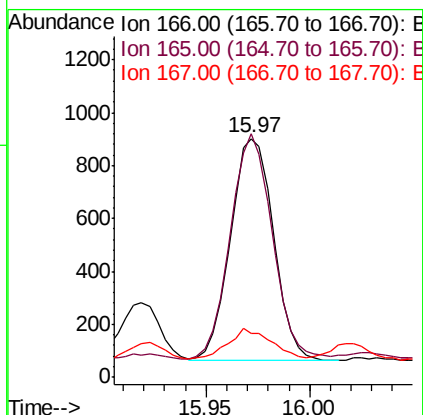
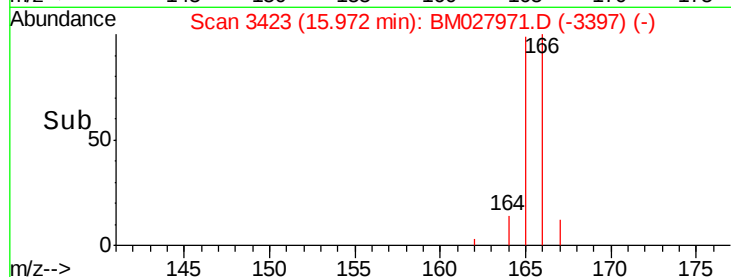
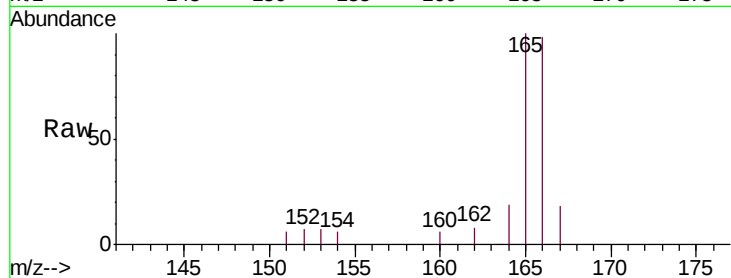




#9
Fluorene
 Concen: 0.107 ng/ul
 RT: 15.97 min Scan# 3423
 Delta R.T. 0.00 min
 Lab File: BM027971.D
 Acq: 25 Nov 2020 19:36

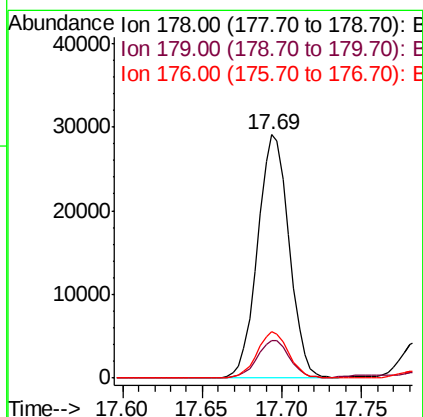
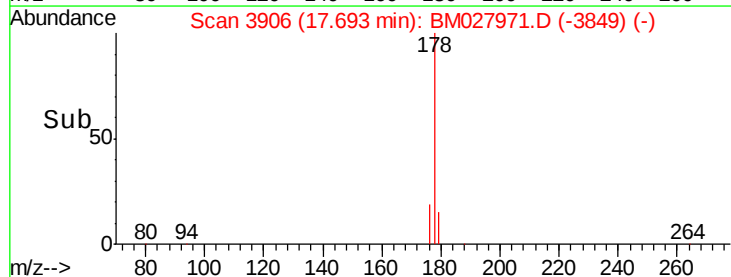
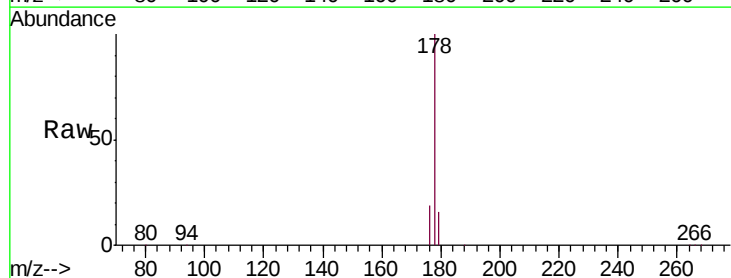
Instrument :
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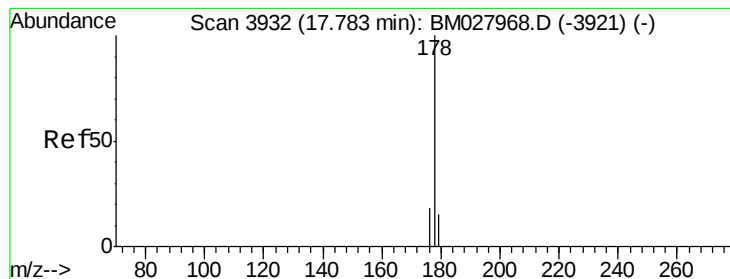
Tgt Ion:166 Resp: 1209
 Ion Ratio Lower Upper
 166 100
 165 102.0 78.1 117.1
 167 18.6 11.8 17.8#



#12
Phenanthrene
 Concen: 2.868 ng/ul
 RT: 17.69 min Scan# 3906
 Delta R.T. -0.00 min
 Lab File: BM027971.D
 Acq: 25 Nov 2020 19:36

Tgt Ion:178 Resp: 39507
 Ion Ratio Lower Upper
 178 100
 179 15.6 13.6 20.4
 176 19.1 16.1 24.1





#13

Anthracene

Concen: 0.457 ng/ul

RT: 17.78 min Scan# 3932

Delta R.T. -0.00 min

Lab File: BM027971.D

Acq: 25 Nov 2020 19:36

Instrument :

BNA_M

ClientSampleId :

C0B69

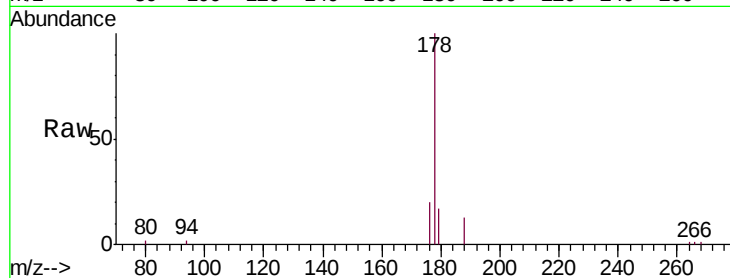
Tgt Ion:178 Resp: 6073

Ion Ratio Lower Upper

178 100

179 17.0 13.4 20.2

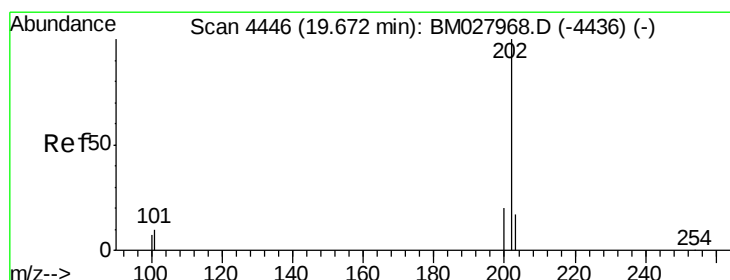
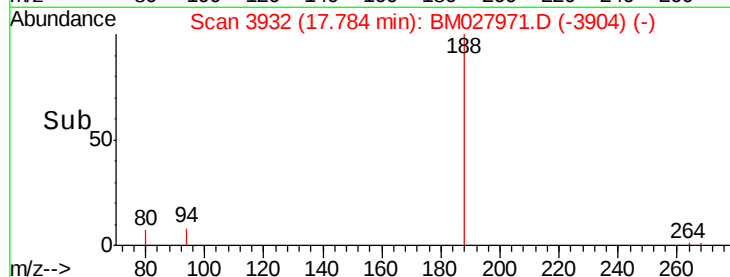
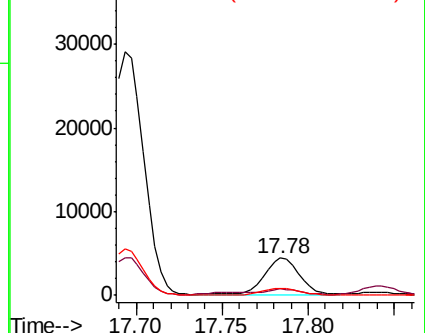
176 19.6 15.0 22.6



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: 8.179 ng/ul

RT: 19.67 min Scan# 4446

Delta R.T. 0.00 min

Lab File: BM027971.D

Acq: 25 Nov 2020 19:36

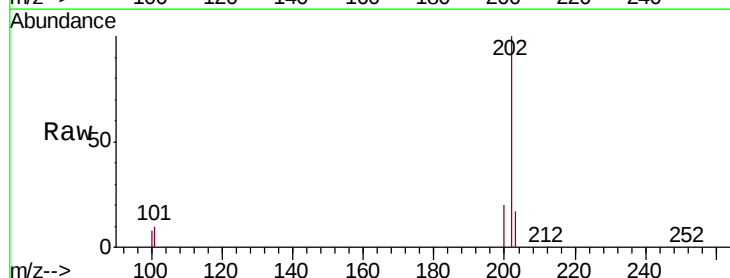
Tgt Ion:202 Resp: 124939

Ion Ratio Lower Upper

202 100

101 9.8 0.0 29.3

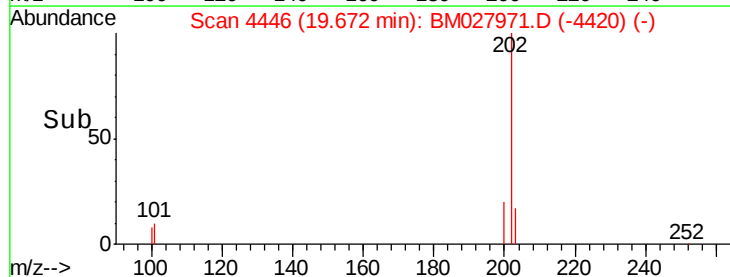
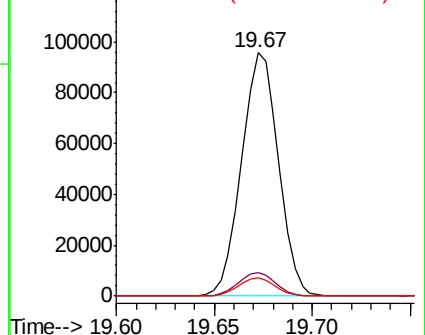
100 7.6 0.0 27.4

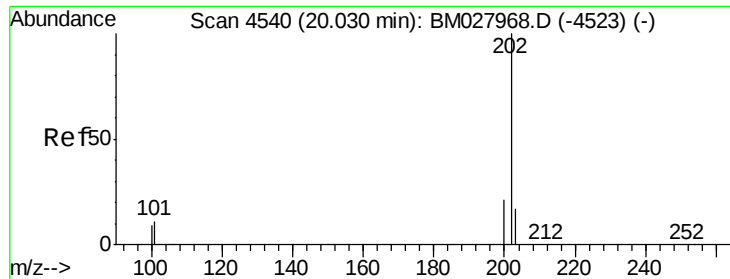


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pyrene

Concen: 7.243 ng/ul

RT: 20.03 min Scan# 4540

Delta R.T. 0.00 min

Lab File: BM027971.D

Acq: 25 Nov 2020 19:36

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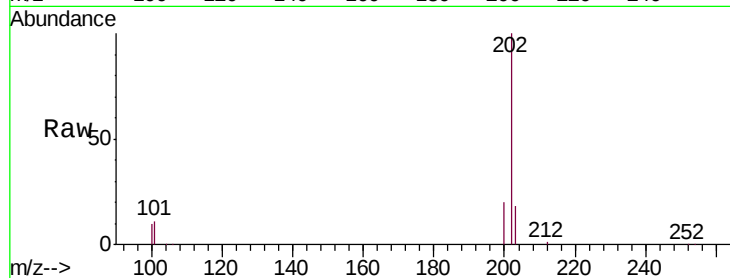
Tgt Ion:202 Resp: 100017

Ion Ratio Lower Upper

202 100

101 11.4 8.2 12.2

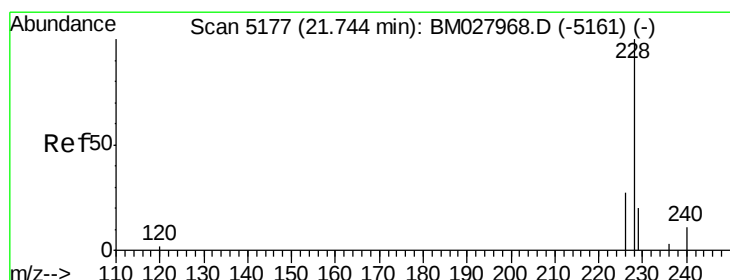
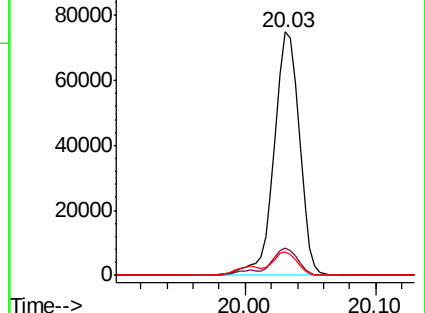
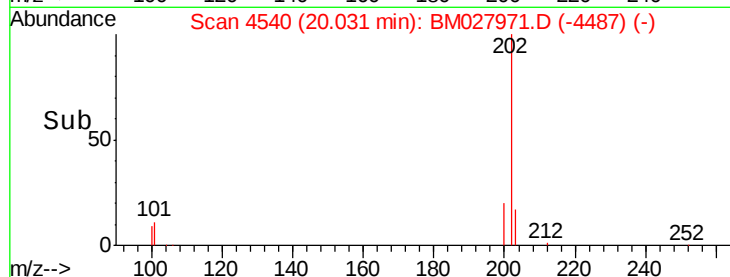
100 9.5 6.9 10.3



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: 4.617 ng/ul

RT: 21.74 min Scan# 5176

Delta R.T. 0.00 min

Lab File: BM027971.D

Acq: 25 Nov 2020 19:36

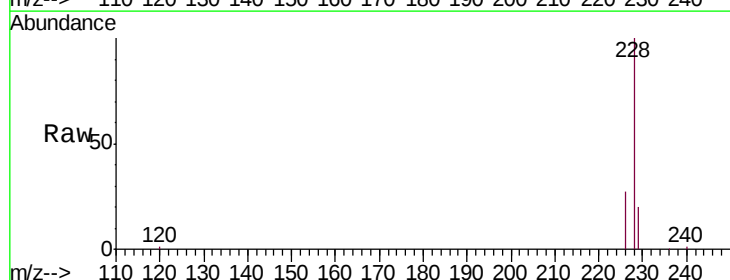
Tgt Ion:228 Resp: 50647

Ion Ratio Lower Upper

228 100

229 20.3 16.2 24.4

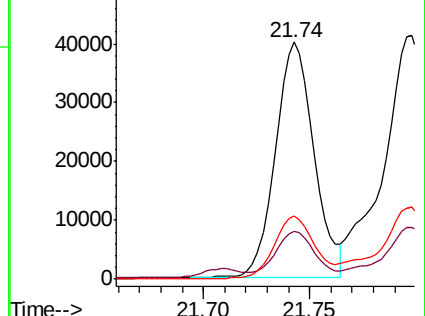
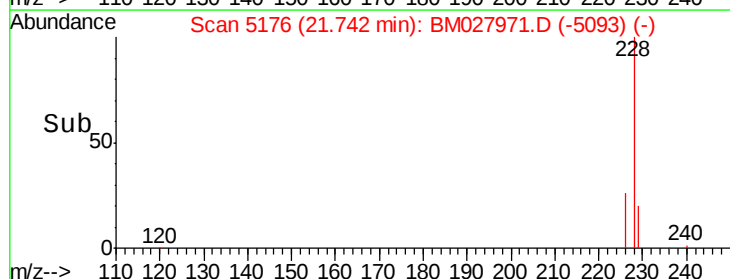
226 26.7 21.5 32.3

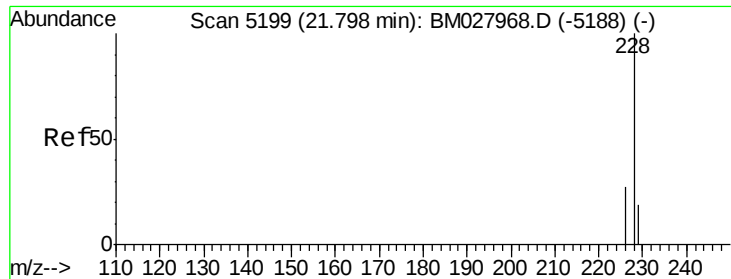


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 5.855 ng/ul

RT: 21.80 min Scan# 5199

Delta R.T. 0.00 min

Lab File: BM027971.D

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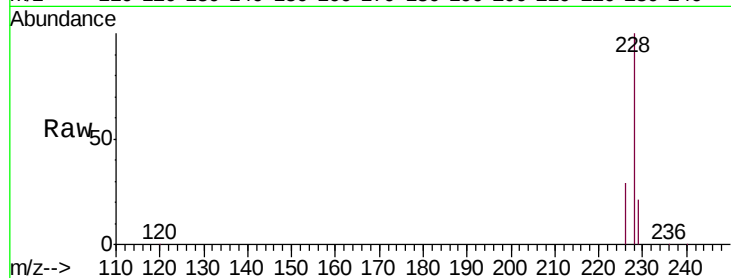
Tgt Ion:228 Resp: 62565

Ion Ratio Lower Upper

228 100

226 29.4 24.1 36.1

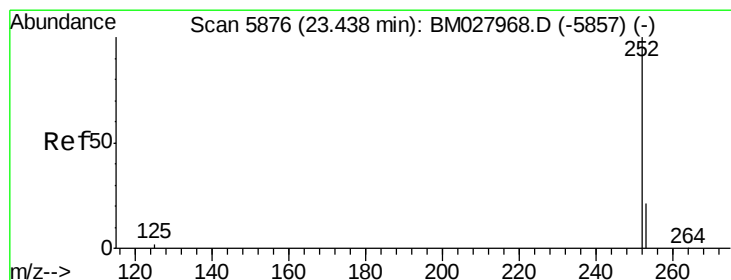
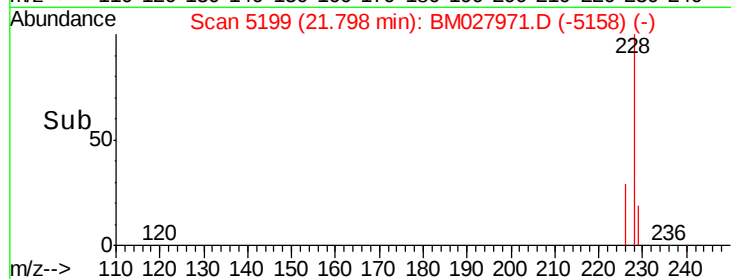
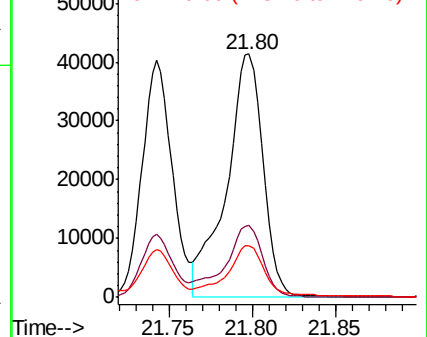
229 21.2 16.6 24.8



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: 9.910 ng/ul

RT: 23.44 min Scan# 5877

Delta R.T. 0.00 min

Lab File: BM027971.D

Acq: 25 Nov 2020 19:36

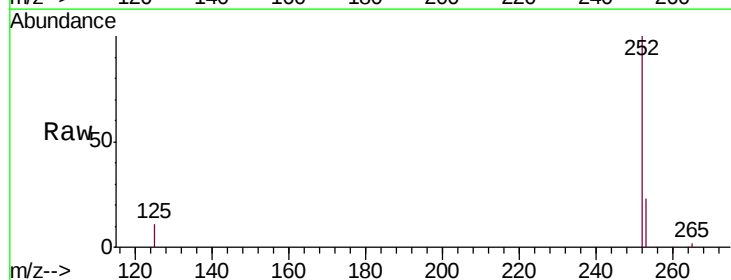
Tgt Ion:252 Resp: 107782

Ion Ratio Lower Upper

252 100

253 23.2 0.0 59.6

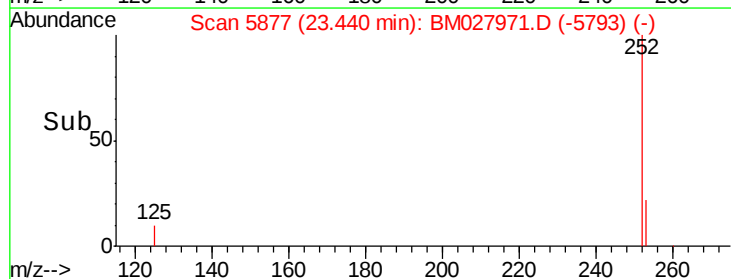
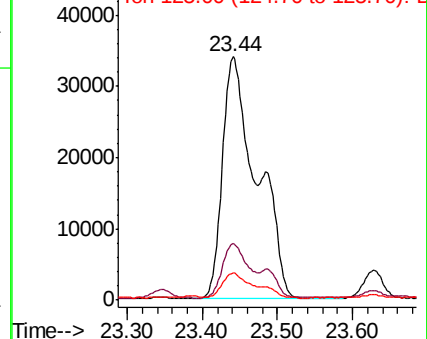
125 11.0 0.0 28.4

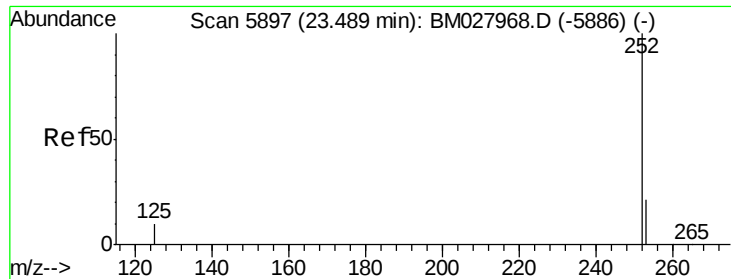


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.395 ng/ul

RT: 23.63 min Scan# 5954

Delta R.T. 0.14 min

Lab File: BM027971.D

Acq: 25 Nov 2020 19:36

Instrument :

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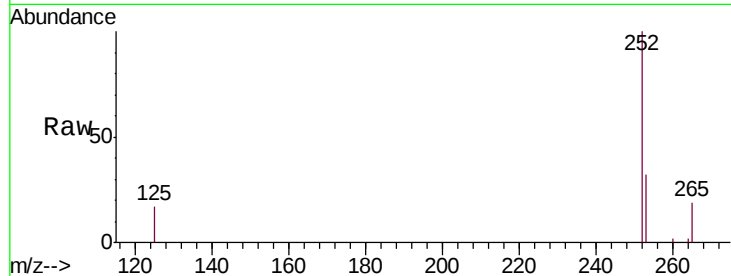
Tgt Ion:252 Resp: 4212

Ion Ratio Lower Upper

252 100

253 31.8 23.2 34.8

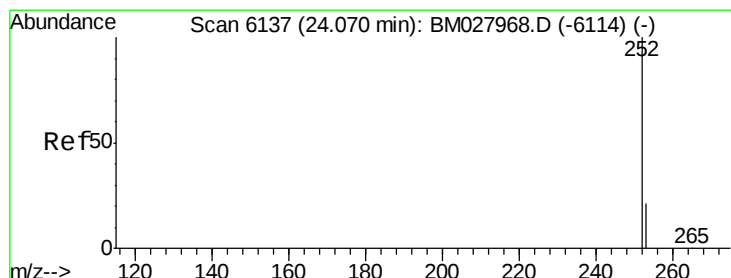
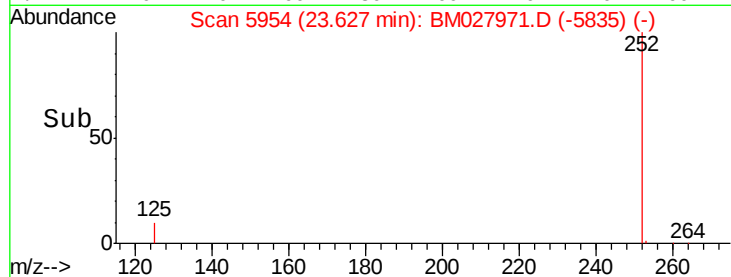
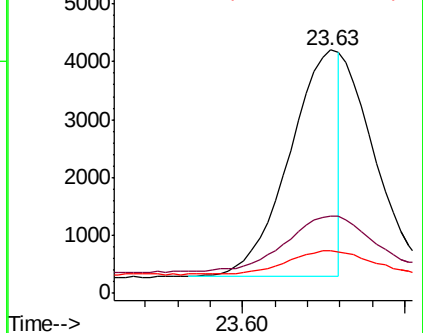
125 17.3 11.8 17.6



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: 5.184 ng/ul

RT: 24.07 min Scan# 6137

Delta R.T. 0.00 min

Lab File: BM027971.D

Acq: 25 Nov 2020 19:36

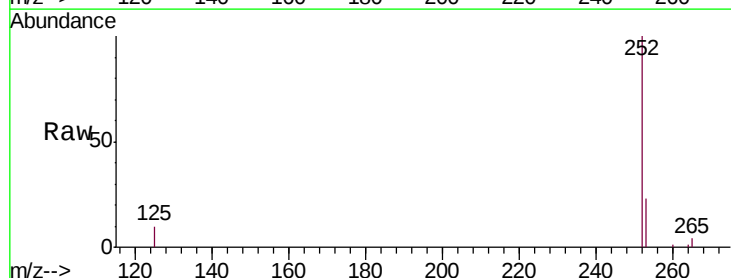
Tgt Ion:252 Resp: 49293

Ion Ratio Lower Upper

252 100

253 23.0 25.2 37.8#

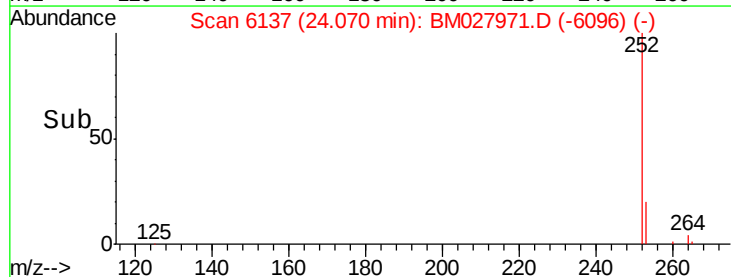
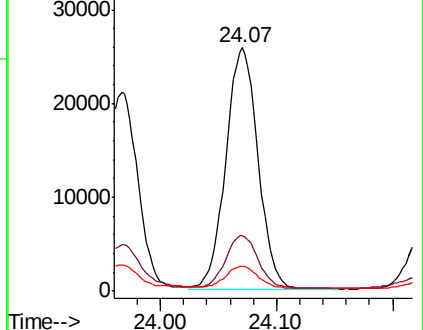
125 10.2 13.8 20.6#

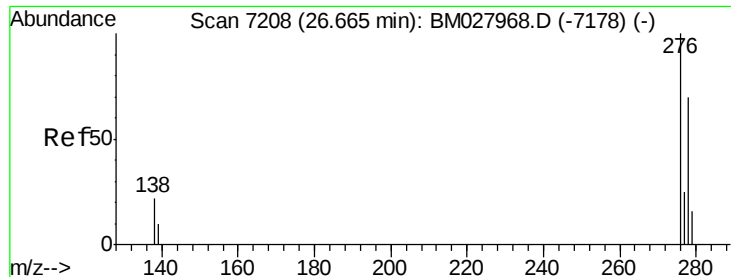


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

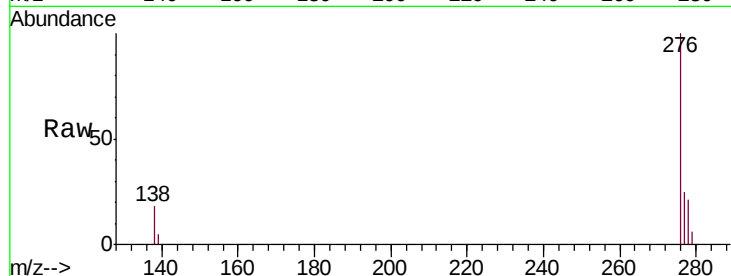




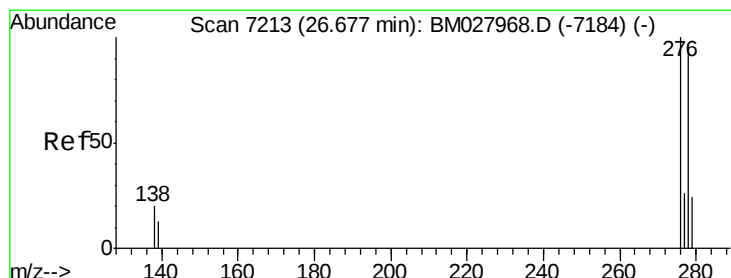
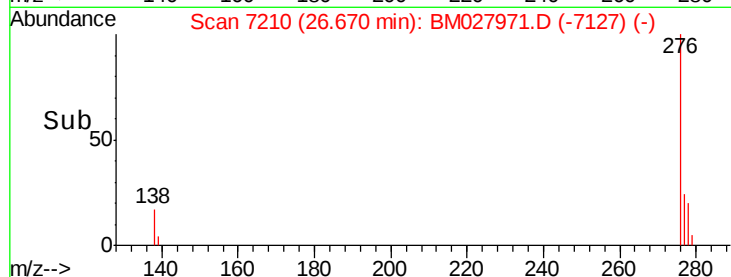
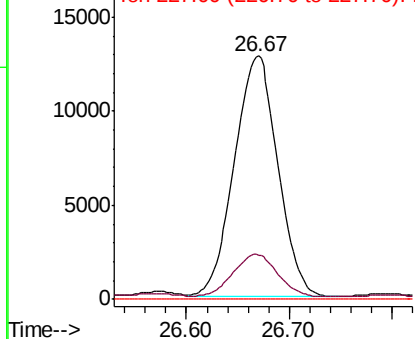
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 3.660 ng/u1
 RT: 26.67 min Scan# 7210
 Delta R.T. 0.00 min
 Lab File: BM027971.D
 Acq: 25 Nov 2020 19:36

Instrument :
 BNA_M
 ClientSampleId :
 C0B69

Tgt Ion:276 Resp: 37679
 Ion Ratio Lower Upper
 276 100
 138 18.3 15.7 23.5
 227 0.0 0.0 0.0

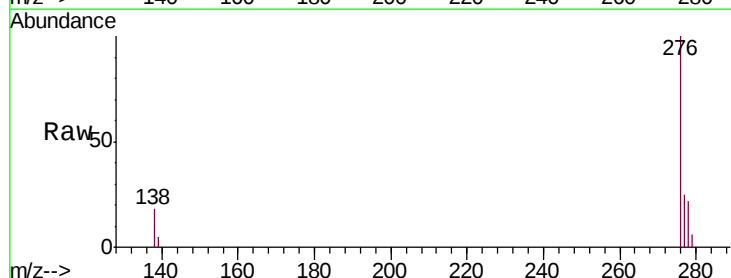


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 227.00 (226.70 to 227.70): E

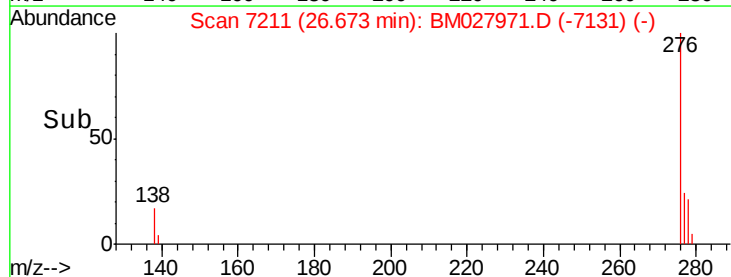
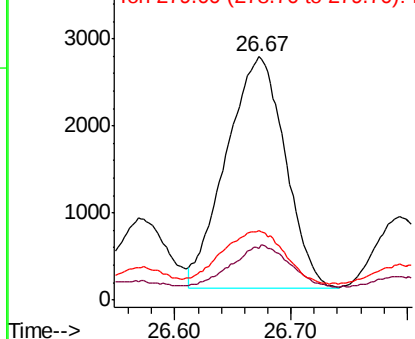


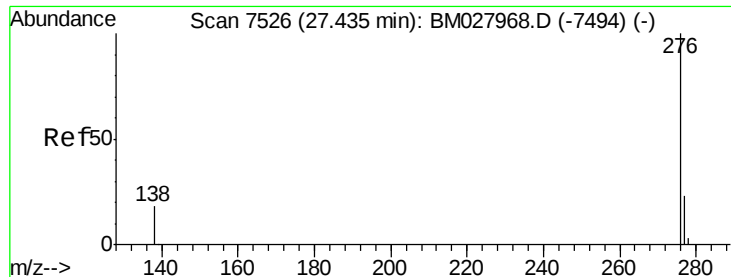
#25
 Dibenzo(a,h)anthracene
 Concen: 1.090 ng/u1
 RT: 26.67 min Scan# 7211
 Delta R.T. -0.01 min
 Lab File: BM027971.D
 Acq: 25 Nov 2020 19:36

Tgt Ion:278 Resp: 9345
 Ion Ratio Lower Upper
 278 100
 139 21.4 14.8 22.2
 279 28.3 25.8 38.6



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: 3.988 ng/ul

RT: 27.44 min Scan# 7528

Delta R.T. -0.00 min

Lab File: BM027971.D

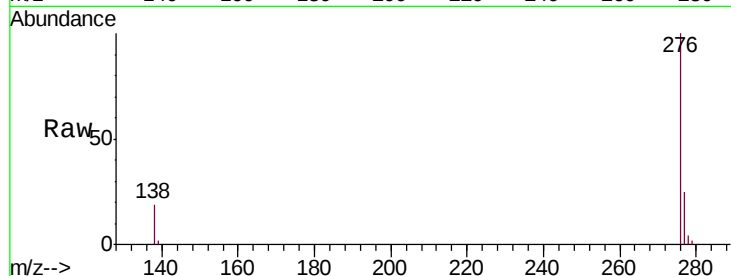
Acq: 25 Nov 2020 19:36

Instrument :

BNA_M

ClientSampleId :

C0B69



Tgt Ion: 276 Resp: 34449

Ion Ratio Lower Upper

276 100

138 19.1 17.4 26.2

277 24.7 22.5 33.7

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

