

Data File : BM027977.D
Acq On : 25 Nov 2020 23:14
Operator : JU/CG
Sample : L4749-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0B12

Quant Time: Nov 26 00:51:03 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	1282	0.40	ng/ul	0.00
2) Naphthalene-d8	11.15	136	5201	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	3082	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	5701	0.40	ng/ul	0.00
16) Chrysene-d12	21.76	240	3359	0.40	ng/ul	0.00
20) Perylene-d12	24.17	264	3295	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.72	152	1891	0.22	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	3142	0.21	ng/ul	0.00

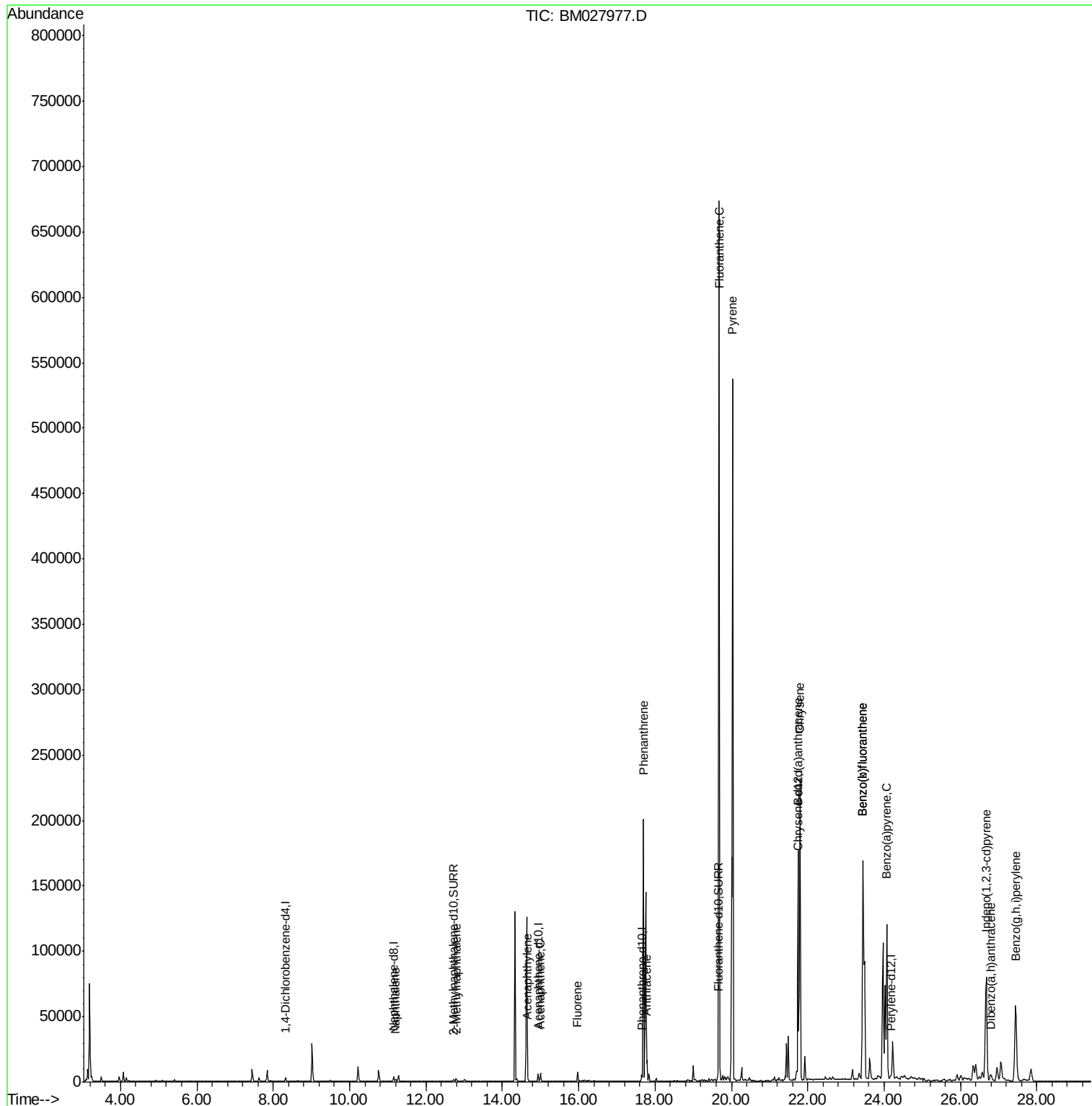
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.21	128	2412	0.155	ng/ul	99
5) 2-Methylnaphthalene	12.79	142	1348	0.127	ng/ul	97
7) Acenaphthylene	14.66	152	2805	0.187	ng/ul	98
8) Acenaphthene	15.00	153	3560	0.316	ng/ul	99
9) Fluorene	15.97	166	4355	0.333	ng/ul	100
12) Phenanthrene	17.70	178	204883	11.377	ng/ul	97
13) Anthracene	17.78	178	16351	0.941	ng/ul	98
15) Fluoranthene	19.68	202	552373	27.663	ng/ul	99
17) Pyrene	20.03	202	440242	25.807	ng/ul	98
18) Benzo(a)anthracene	21.74	228	153699	11.341	ng/ul	100
19) Chrysene	21.80	228	238107	18.037	ng/ul	99
21) Benzo(b)fluoranthene	23.44	252	404775	29.230	ng/ul	87
22) Benzo(k)fluoranthene	23.44	252	404775	29.849	ng/ul#	88
23) Benzo(a)pyrene	24.07	252	175435	14.490	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.67	276	141653	10.806	ng/ul#	96
25) Dibenzo(a,h)anthracene	26.79	278	7903	0.724	ng/ul	97
26) Benzo(g,h,i)perylene	27.44	276	131730	11.977	ng/ul	93

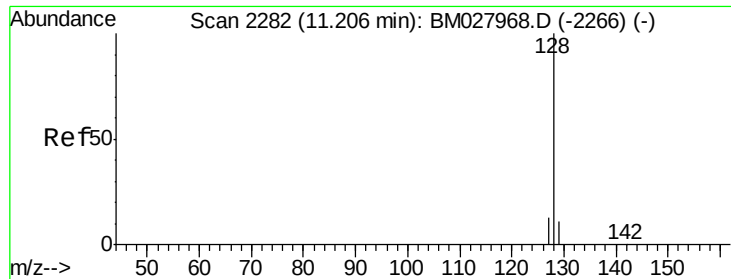
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112020.M
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#3

Naphthalene

Concen: 0.155 ng/ul

RT: 11.21 min Scan# 2282

Delta R.T. 0.00 min

Lab File: BM027977.D

Acq: 25 Nov 2020 23:14

Instrument :

BNA_M

ClientSampleId :

C0B12

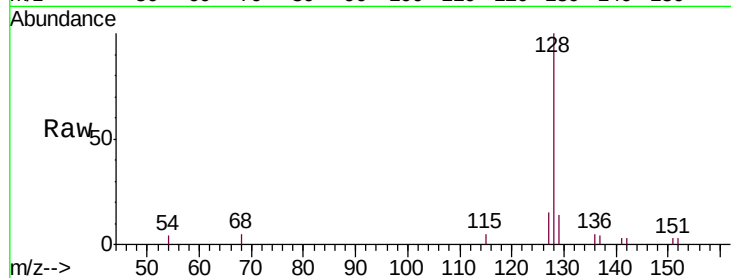
Tgt Ion:128 Resp: 2412

Ion Ratio Lower Upper

128 100

129 13.9 10.4 15.6

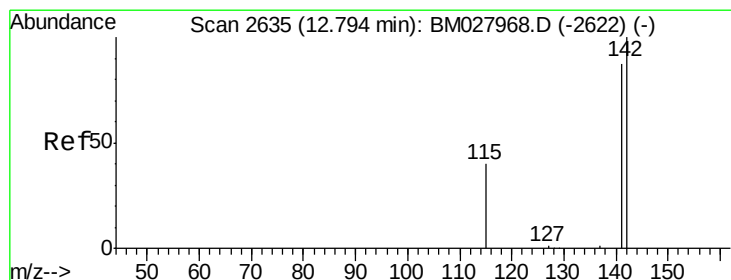
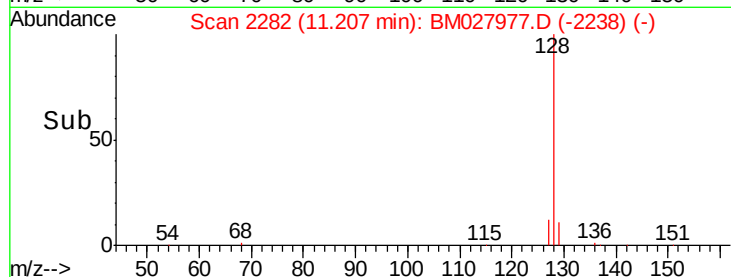
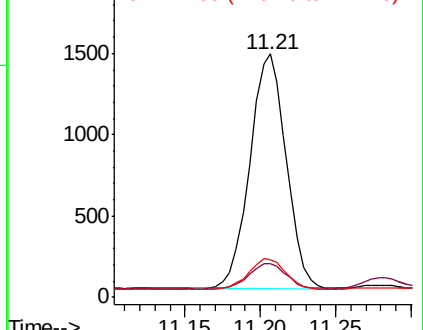
127 15.3 12.0 18.0



Abundance Ion 128.00 (127.70 to 128.70): E

2000 Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.127 ng/ul

RT: 12.79 min Scan# 2634

Delta R.T. -0.00 min

Lab File: BM027977.D

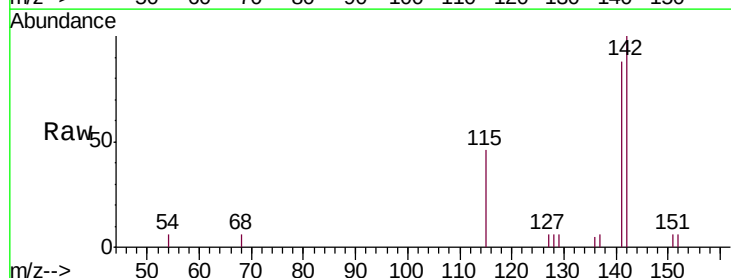
Acq: 25 Nov 2020 23:14

Tgt Ion:142 Resp: 1348

Ion Ratio Lower Upper

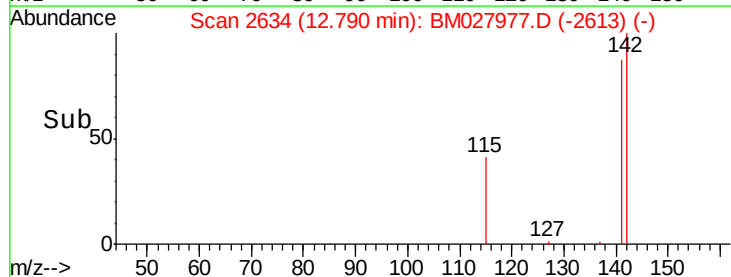
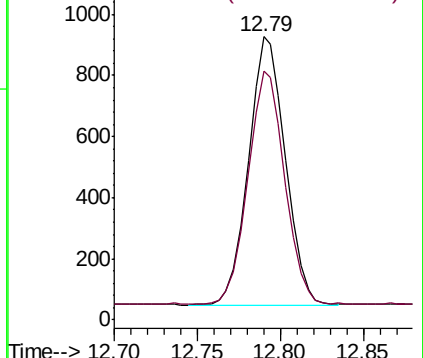
142 100

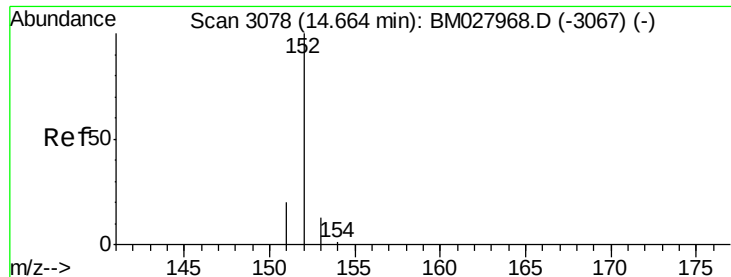
141 86.7 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.187 ng/ul

RT: 14.66 min Scan# 3078

Delta R.T. 0.00 min

Lab File: BM027977.D

Acq: 25 Nov 2020 23:14

Instrument :

BNA_M

ClientSampleId :

C0B12

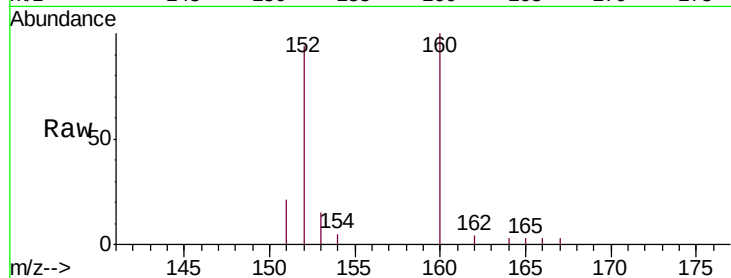
Tgt Ion:152 Resp: 2805

Ion Ratio Lower Upper

152 100

151 22.0 17.1 25.7

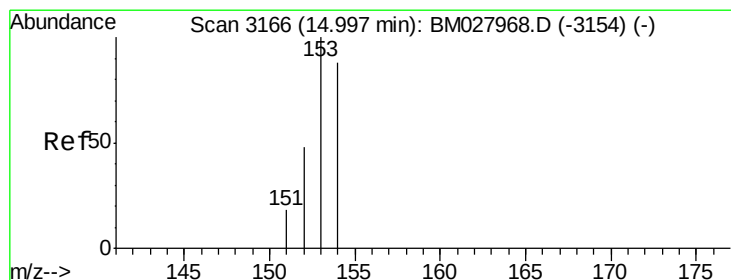
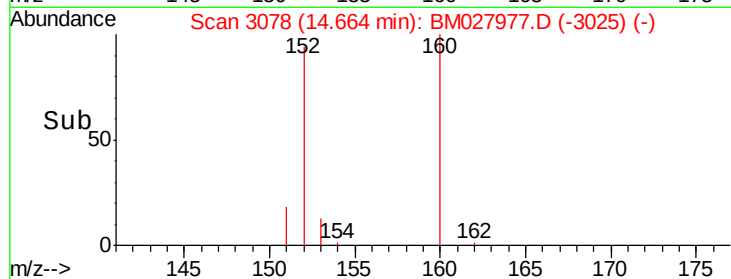
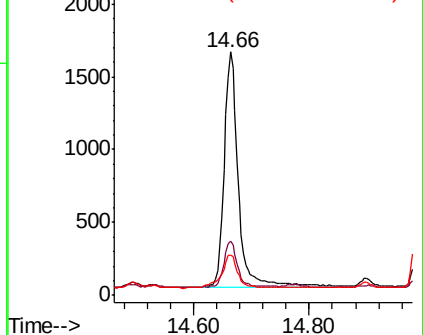
153 16.4 12.0 18.0



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: 0.316 ng/ul

RT: 15.00 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BM027977.D

Acq: 25 Nov 2020 23:14

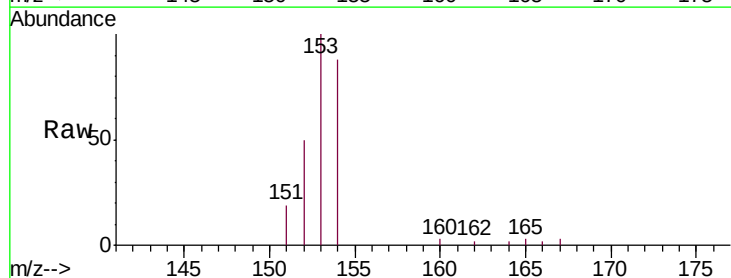
Tgt Ion:153 Resp: 3560

Ion Ratio Lower Upper

153 100

152 49.7 39.0 58.6

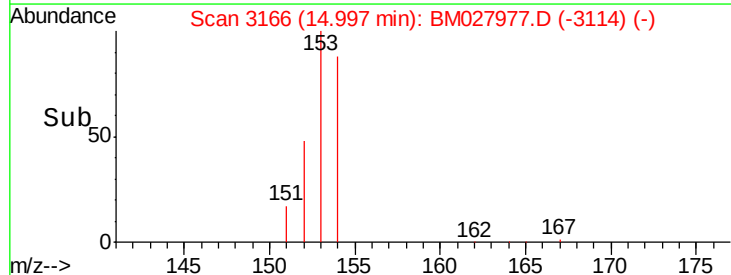
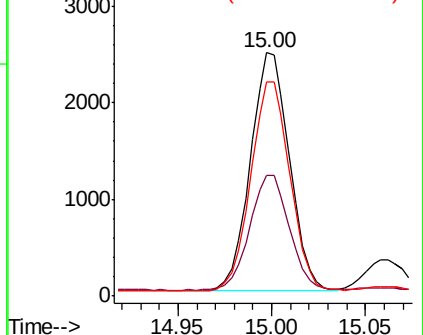
154 88.1 71.6 107.4

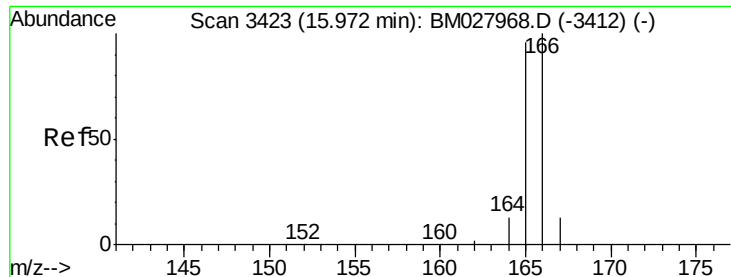


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

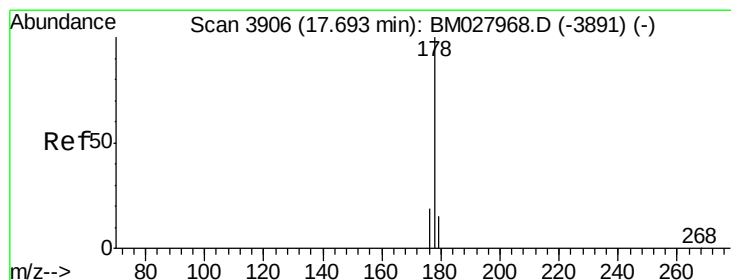
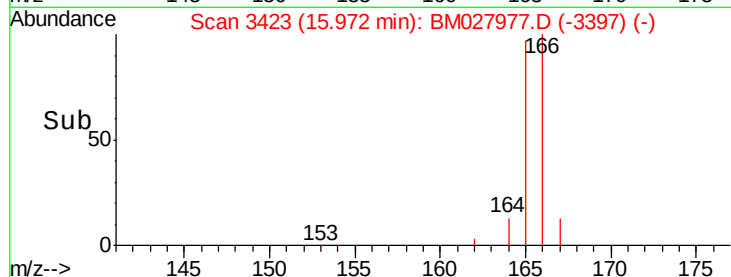
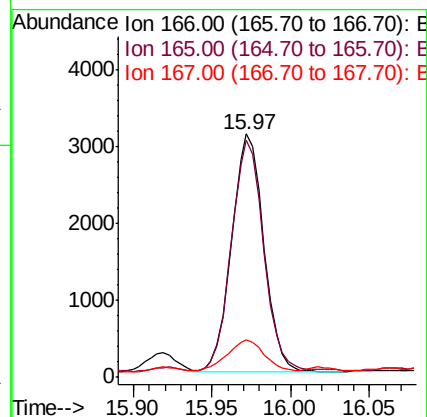
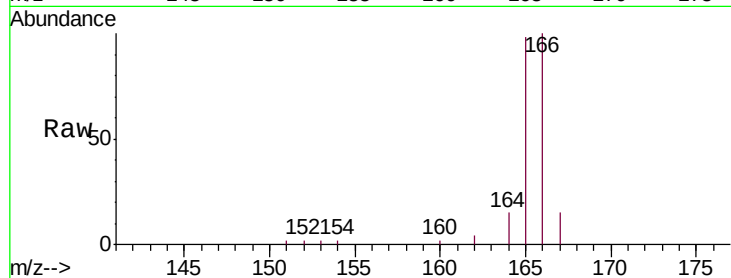




#9
Fluorene
 Concen: 0.333 ng/ul
 RT: 15.97 min Scan# 3423
 Delta R.T. 0.00 min
 Lab File: BM027977.D
 Acq: 25 Nov 2020 23:14

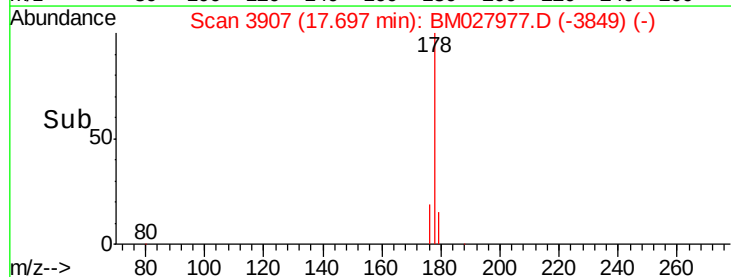
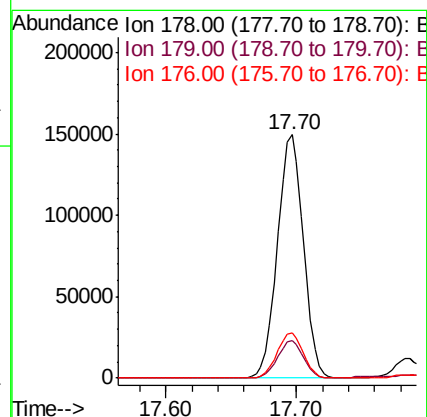
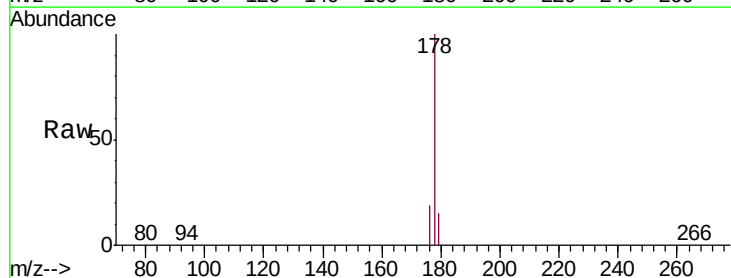
Instrument :
 BNA_M
 ClientSampleId :
 C0B12

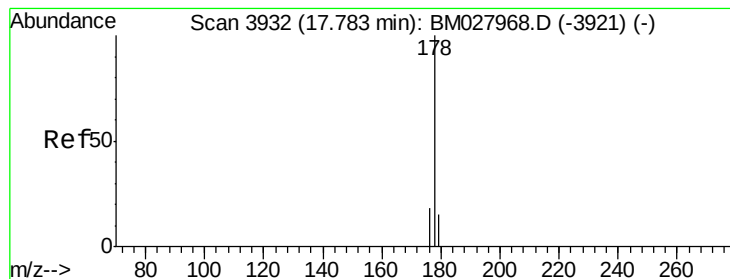
Tgt Ion:166 Resp: 4355
 Ion Ratio Lower Upper
 166 100
 165 97.5 78.1 117.1
 167 15.3 11.8 17.8



#12
Phenanthrene
 Concen: 11.377 ng/ul
 RT: 17.70 min Scan# 3907
 Delta R.T. 0.00 min
 Lab File: BM027977.D
 Acq: 25 Nov 2020 23:14

Tgt Ion:178 Resp: 204883
 Ion Ratio Lower Upper
 178 100
 179 15.4 13.6 20.4
 176 18.7 16.1 24.1





#13

Anthracene

Concen: 0.941 ng/ul

RT: 17.78 min Scan# 3932

Delta R.T. -0.00 min

Lab File: BM027977.D

Acq: 25 Nov 2020 23:14

Instrument :

BNA_M

ClientSampleId :

C0B12

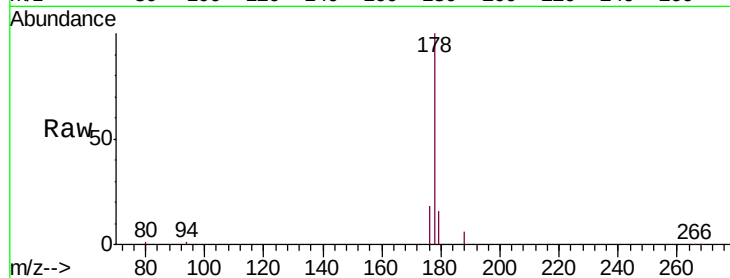
Tgt Ion:178 Resp: 16351

Ion Ratio Lower Upper

178 100

179 15.8 13.4 20.2

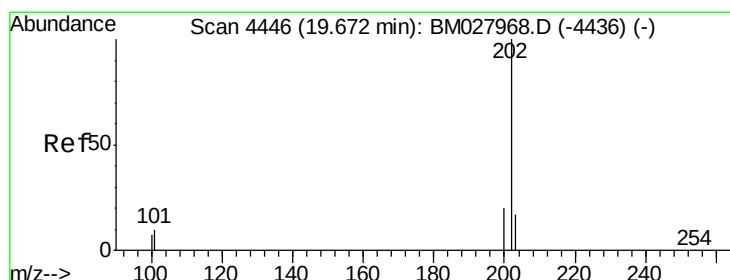
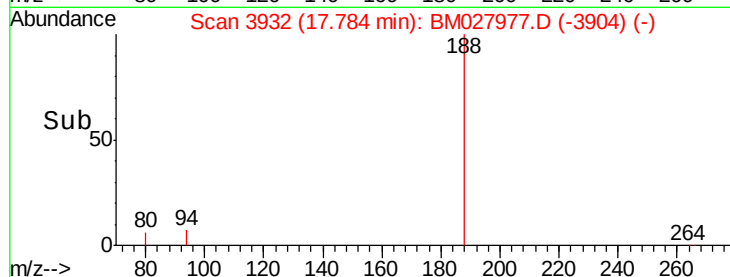
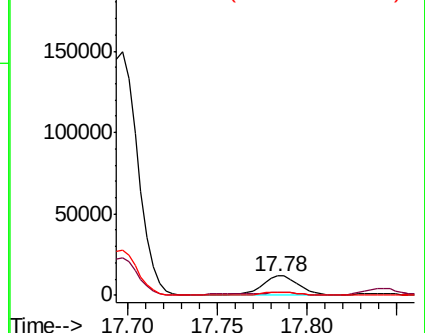
176 18.2 15.0 22.6



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: 27.663 ng/ul

RT: 19.68 min Scan# 4447

Delta R.T. 0.00 min

Lab File: BM027977.D

Acq: 25 Nov 2020 23:14

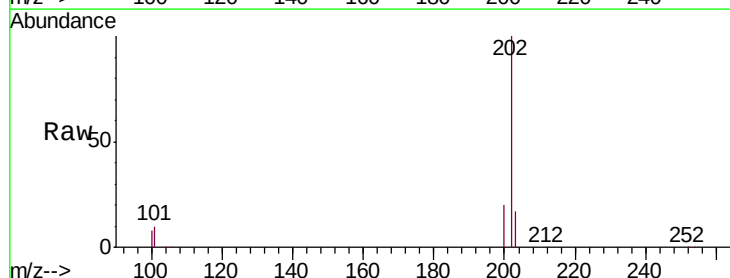
Tgt Ion:202 Resp: 552373

Ion Ratio Lower Upper

202 100

101 9.8 0.0 29.3

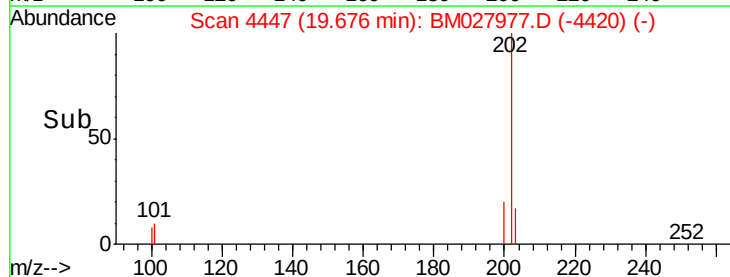
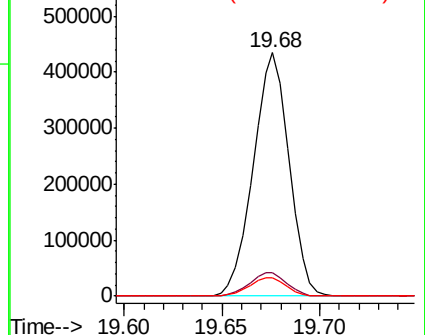
100 7.6 0.0 27.4

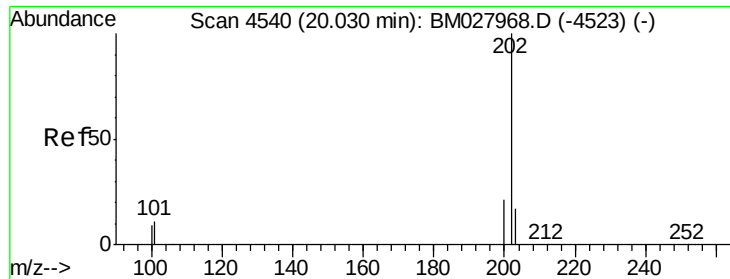


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

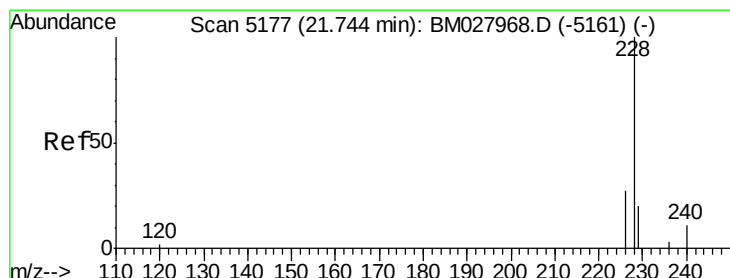
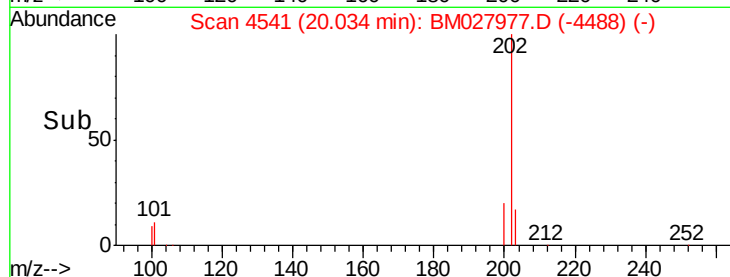
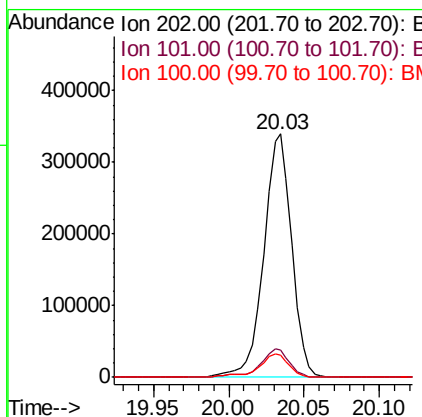
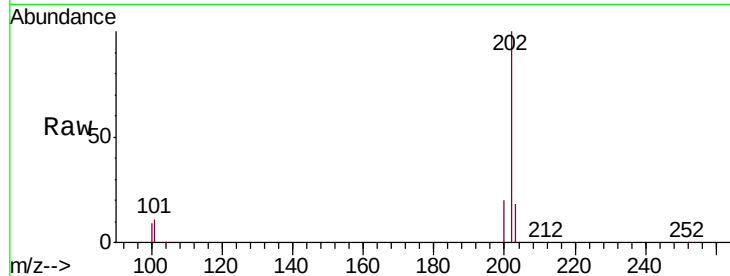




#17
Pyrene
Concen: 25.807 ng/ul
RT: 20.03 min Scan# 4541
Delta R.T. 0.00 min
Lab File: BM027977.D
Acq: 25 Nov 2020 23:14

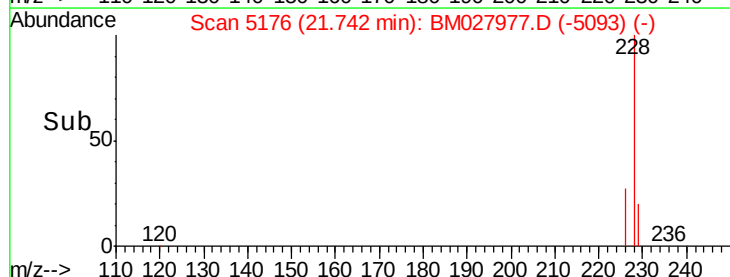
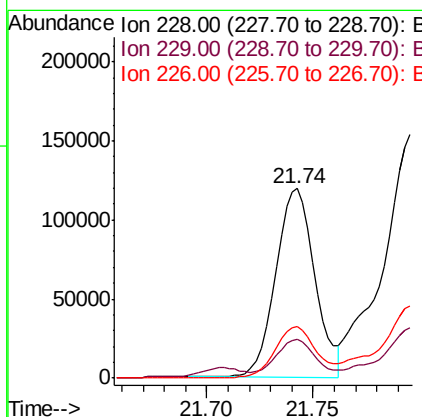
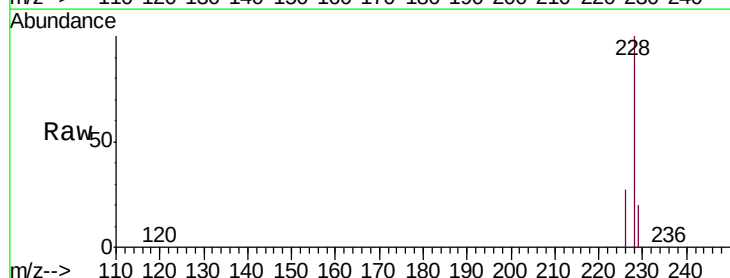
Instrument :
BNA_M
ClientSampleId :
C0B12

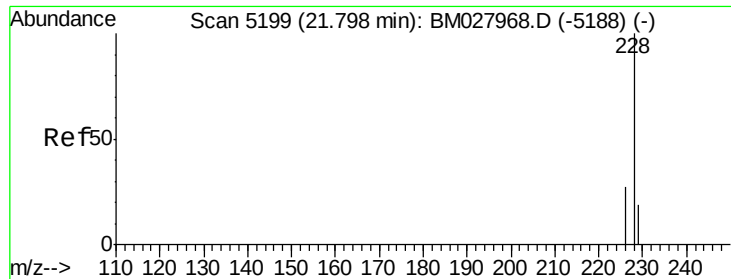
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.2	12.2
100	9.1	6.9	10.3



#18
Benzo(a)anthracene
Concen: 11.341 ng/ul
RT: 21.74 min Scan# 5176
Delta R.T. 0.00 min
Lab File: BM027977.D
Acq: 25 Nov 2020 23:14

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.4	16.2	24.4
226	26.9	21.5	32.3





#19

Chrysene

Concen: 18.037 ng/ul

RT: 21.80 min Scan# 5198

Delta R.T. -0.00 min

Lab File: BM027977.D

Acq: 25 Nov 2020 23:14

Instrument :

BNA_M

ClientSampleId :

C0B12

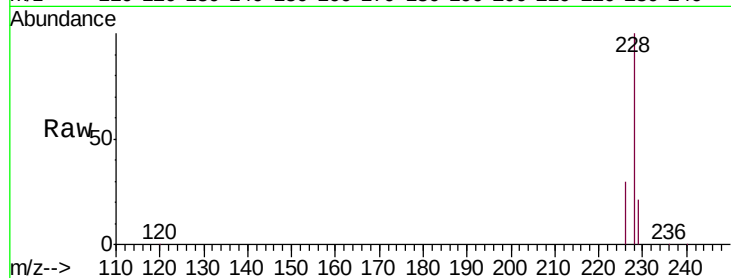
Tgt Ion:228 Resp: 238107

Ion Ratio Lower Upper

228 100

226 29.7 24.1 36.1

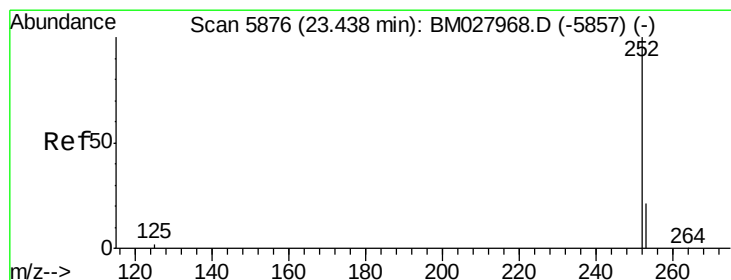
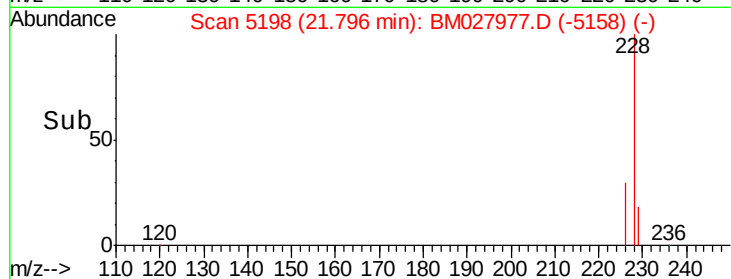
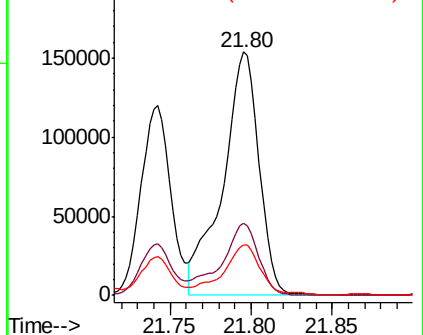
229 20.9 16.6 24.8



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: 29.230 ng/ul

RT: 23.44 min Scan# 5878

Delta R.T. 0.00 min

Lab File: BM027977.D

Acq: 25 Nov 2020 23:14

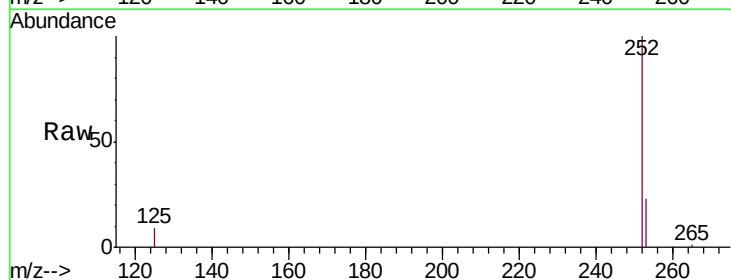
Tgt Ion:252 Resp: 404775

Ion Ratio Lower Upper

252 100

253 22.5 0.0 59.6

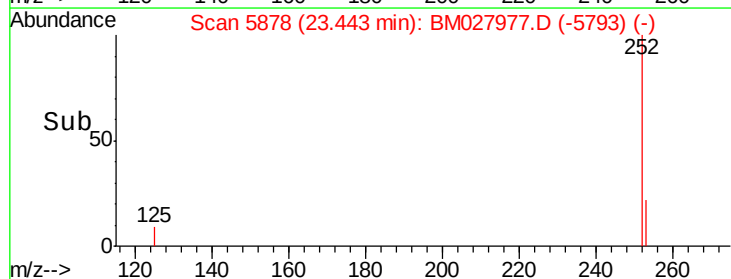
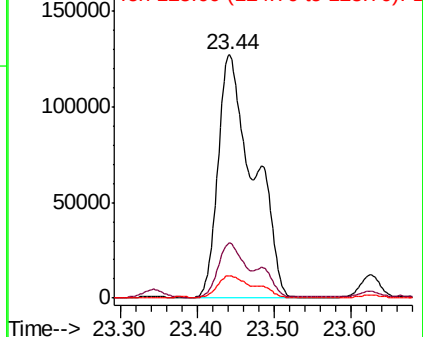
125 9.4 0.0 28.4

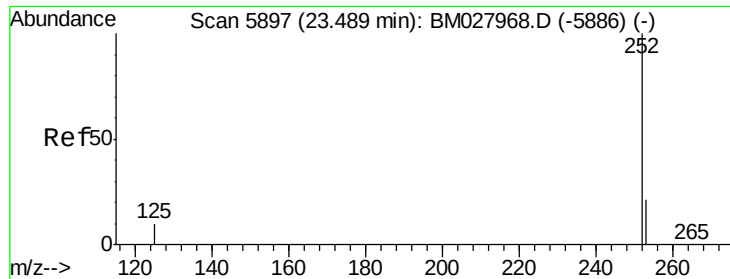


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 29.849 ng/ul

RT: 23.44 min Scan# 5878

Delta R.T. -0.05 min

Lab File: BM027977.D

Acq: 25 Nov 2020 23:14

Instrument :

BNA_M

ClientSampleId :

C0B12

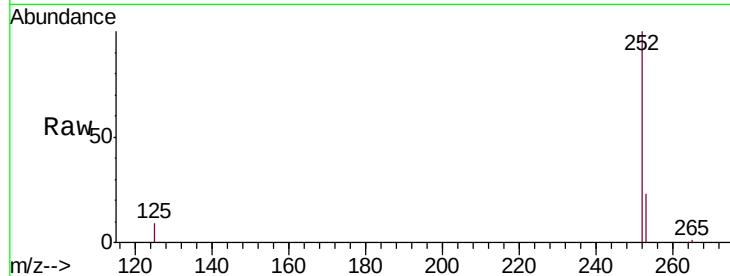
Tgt Ion:252 Resp: 404775

Ion Ratio Lower Upper

252 100

253 22.5 23.2 34.8#

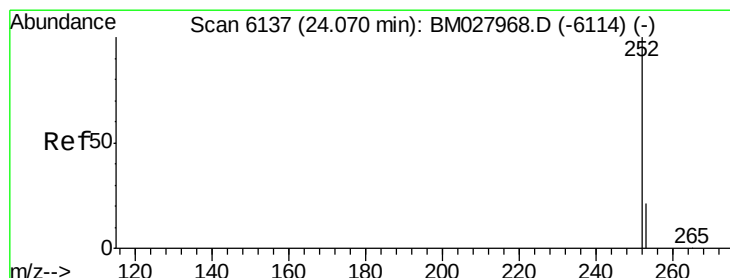
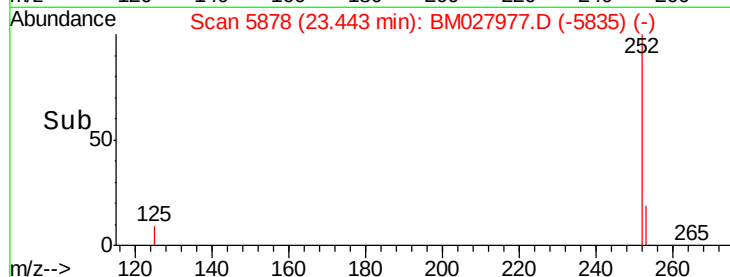
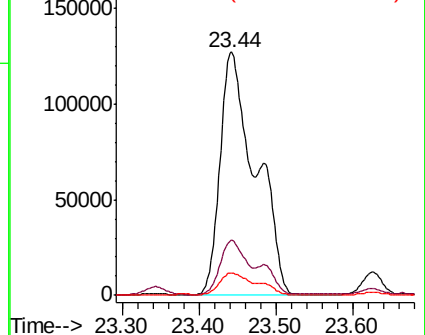
125 9.4 11.8 17.6#



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: 14.490 ng/ul

RT: 24.07 min Scan# 6137

Delta R.T. 0.00 min

Lab File: BM027977.D

Acq: 25 Nov 2020 23:14

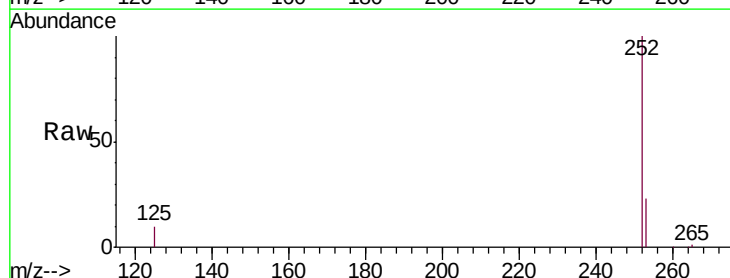
Tgt Ion:252 Resp: 175435

Ion Ratio Lower Upper

252 100

253 22.5 25.2 37.8#

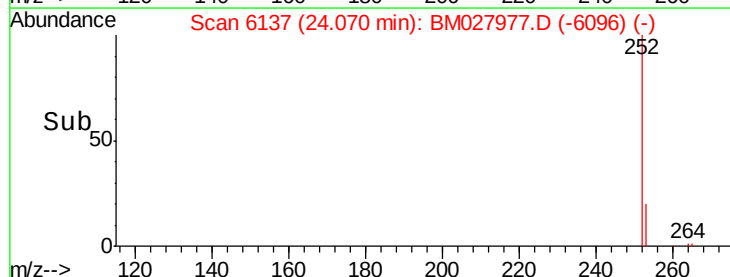
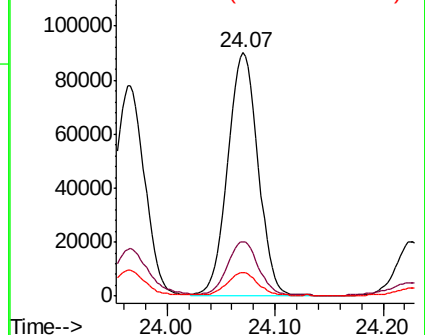
125 9.6 13.8 20.6#

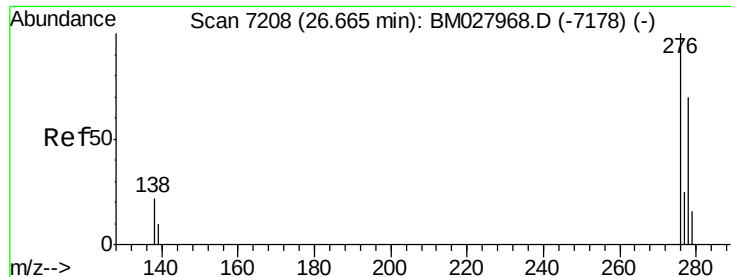


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

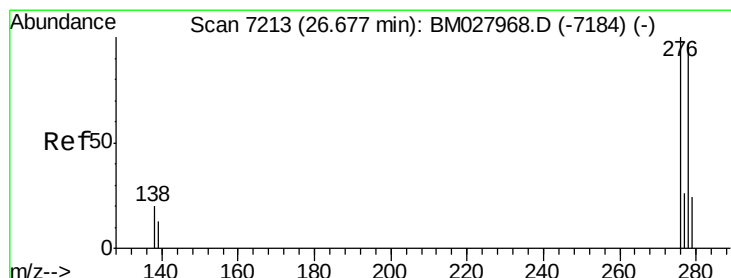
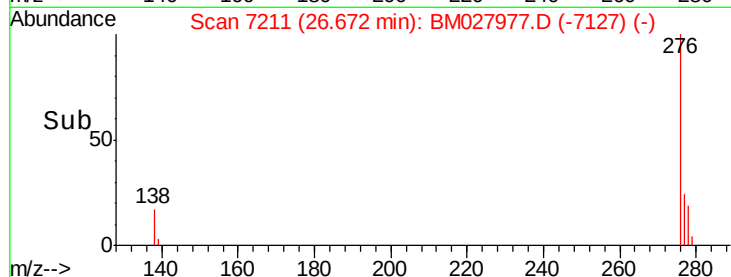
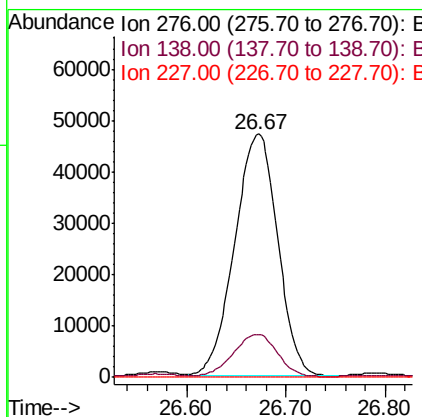
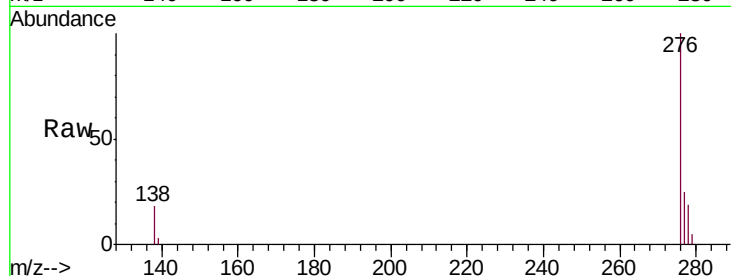




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 10.806 ng/ul
 RT: 26.67 min Scan# 7211
 Delta R.T. 0.00 min
 Lab File: BM027977.D
 Acq: 25 Nov 2020 23:14

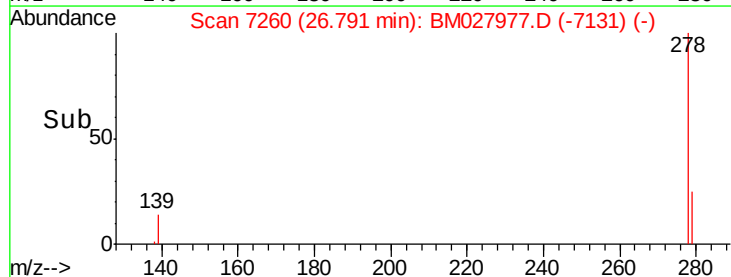
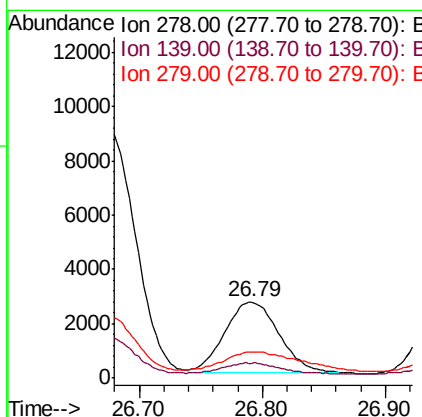
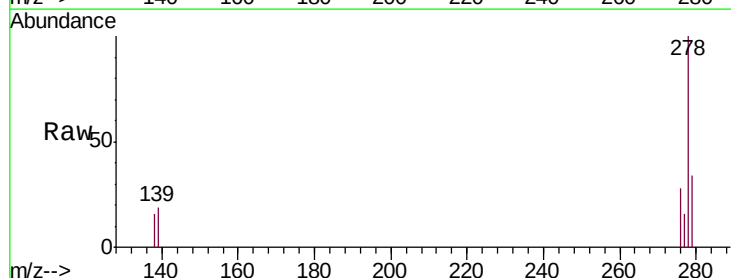
Instrument :
 BNA_M
 ClientSampleId :
 C0B12

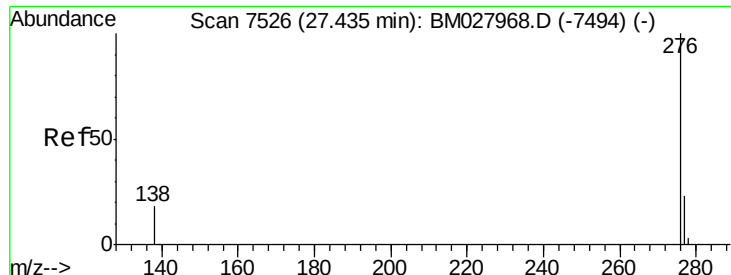
Tgt Ion: 276 Resp: 141653
 Ion Ratio Lower Upper
 276 100
 138 17.8 15.7 23.5
 227 0.0 0.0 0.0



#25
 Dibenzo(a,h)anthracene
 Concen: 0.724 ng/ul
 RT: 26.79 min Scan# 7260
 Delta R.T. 0.11 min
 Lab File: BM027977.D
 Acq: 25 Nov 2020 23:14

Tgt Ion: 278 Resp: 7903
 Ion Ratio Lower Upper
 278 100
 139 19.2 14.8 22.2
 279 34.0 25.8 38.6





#26

Benzo(g,h,i)perylene

Concen: 11.977 ng/ul

RT: 27.44 min Scan# 7529

Delta R.T. 0.00 min

Lab File: BM027977.D

Acq: 25 Nov 2020 23:14

Instrument :

BNA_M

ClientSampleId :

C0B12

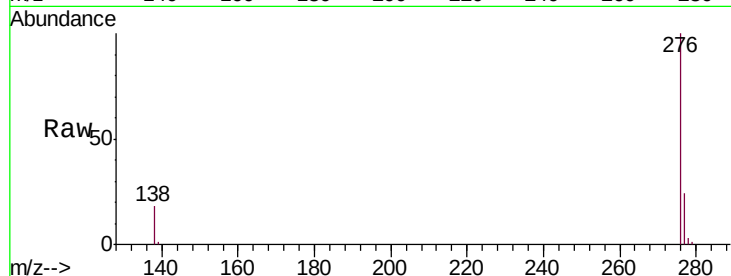
Tgt Ion:276 Resp: 131730

Ion Ratio Lower Upper

276 100

138 18.4 17.4 26.2

277 24.2 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

