

Data File : BM027979.D
Acq On : 26 Nov 2020 00:26
Operator : JU/CG
Sample : L4749-19
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0B18

Quant Time: Nov 26 01:34:10 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	1236	0.40	ng/ul	0.00
2) Naphthalene-d8	11.15	136	5008	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	2867	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.65	188	5058	0.40	ng/ul	0.00
16) Chrysene-d12	21.76	240	2810	0.40	ng/ul	0.00
20) Perylene-d12	24.17	264	2630	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.72	152	1861	0.22	ng/ul	0.00
14) Fluoranthene-d10	19.64	212	2796	0.21	ng/ul	0.00

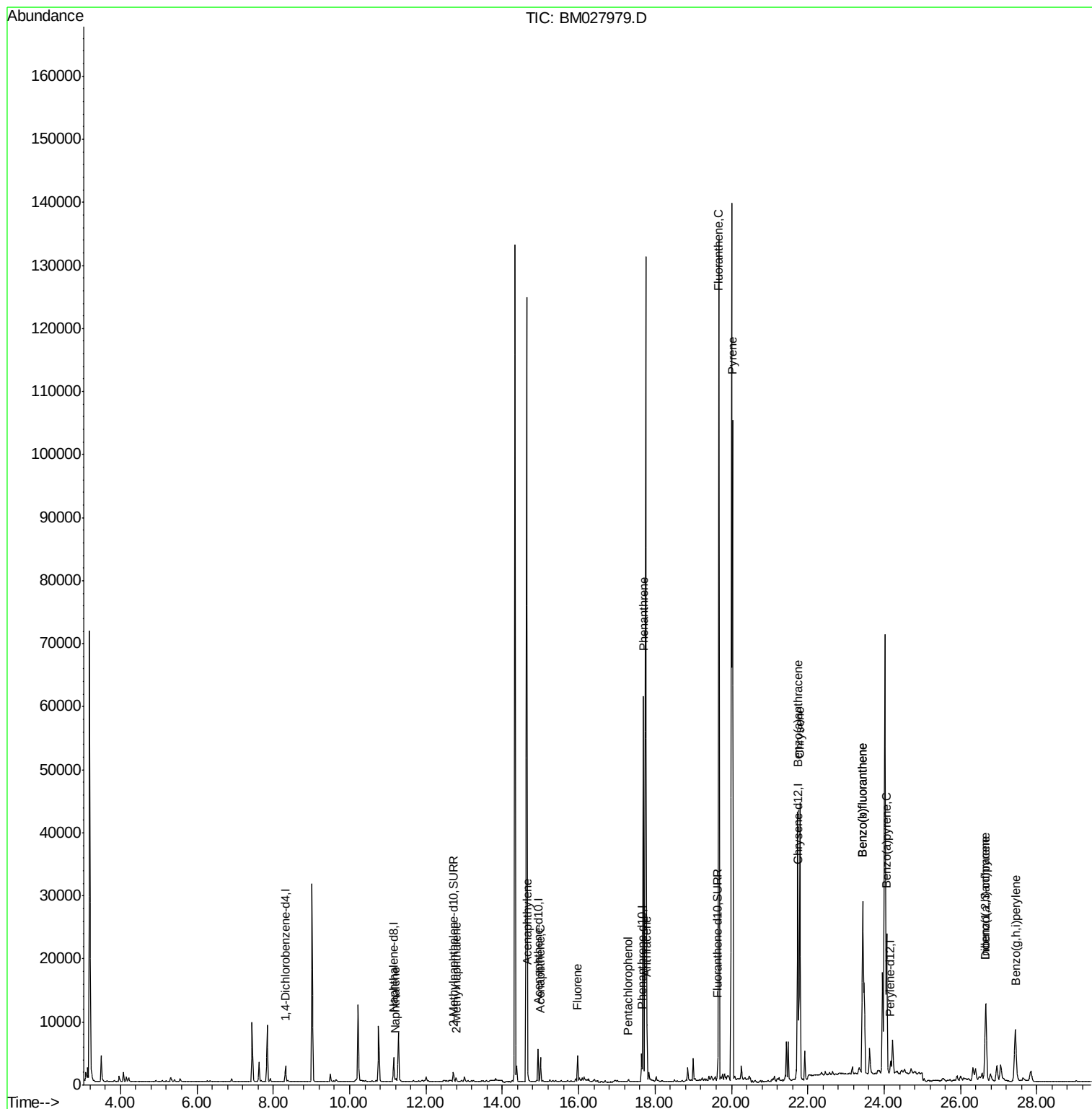
Target Compounds				Qvalue		
3) Naphthalene	11.20	128	557	0.037	ng/ul#	76
5) 2-Methylnaphthalene	12.79	142	353	0.035	ng/ul	98
7) Acenaphthylene	14.66	152	1522	0.109	ng/ul#	93
8) Acenaphthene	15.00	153	2189	0.209	ng/ul	99
9) Fluorene	15.97	166	2581	0.212	ng/ul	100
11) Pentachlorophenol	17.30	266	208	0.121	ng/ul	96
12) Phenanthrene	17.69	178	62822	3.932	ng/ul	97
13) Anthracene	17.78	178	9190	0.596	ng/ul	100
15) Fluoranthene	19.67	202	107373	6.061	ng/ul	99
17) Pyrene	20.03	202	86874	6.087	ng/ul	98
18) Benzo(a)anthracene	21.74	228	36874	3.252	ng/ul	99
19) Chrysene	21.79	228	42805	3.876	ng/ul	98
21) Benzo(b)fluoranthene	23.44	252	63847	5.776	ng/ul	91
22) Benzo(k)fluoranthene	23.44	252	63810	5.895	ng/ul	92
23) Benzo(a)pyrene	24.06	252	32214	3.333	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	26.66	276	21144	2.021	ng/ul#	97
25) Dibenzo(a,h)anthracene	26.67	278	5517	0.633	ng/ul#	96
26) Benzo(g,h,i)perylene	27.43	276	18958	2.160	ng/ul	94

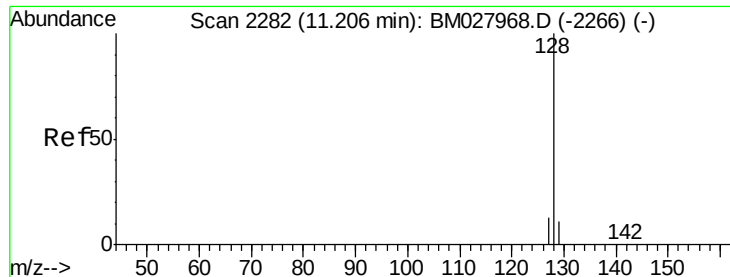
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.037 ng/ul

RT: 11.20 min Scan# 2281

Delta R.T. -0.00 min

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Acq: 26 Nov 2020 00:26

Instrument :

BNA_M

ClientSampleId :

C0B18

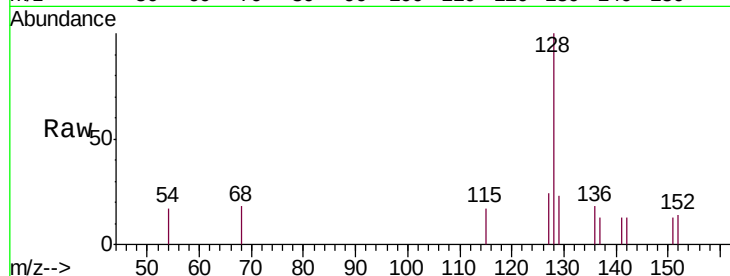
Tgt Ion:128 Resp: 557

Ion Ratio Lower Upper

128 100

129 23.1 10.4 15.6#

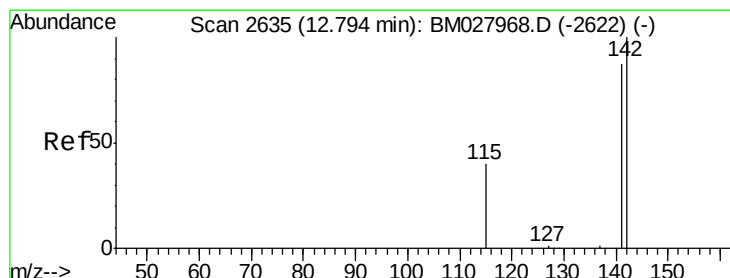
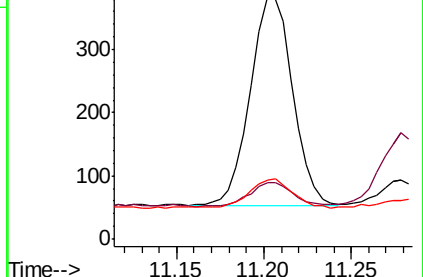
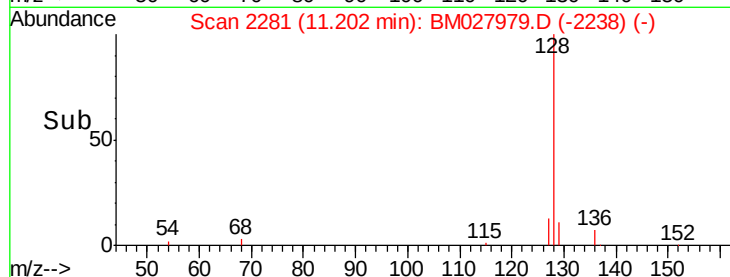
127 24.2 12.0 18.0#



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: 0.035 ng/ul

RT: 12.79 min Scan# 2634

Delta R.T. -0.00 min

Lab File: BM027979.D

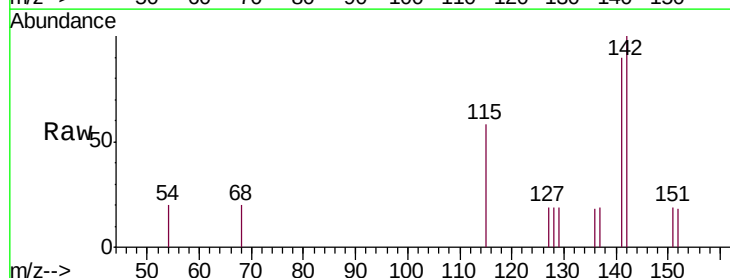
Acq: 26 Nov 2020 00:26

Tgt Ion:142 Resp: 353

Ion Ratio Lower Upper

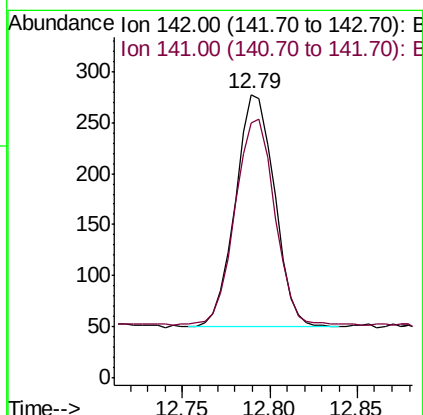
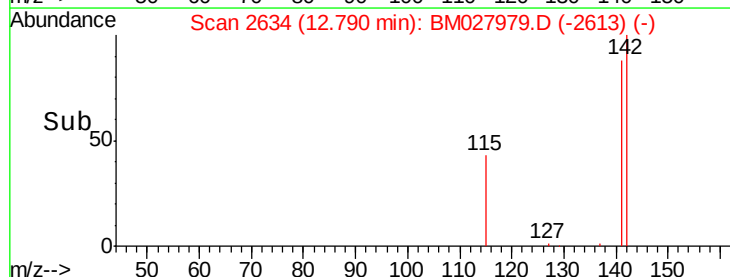
142 100

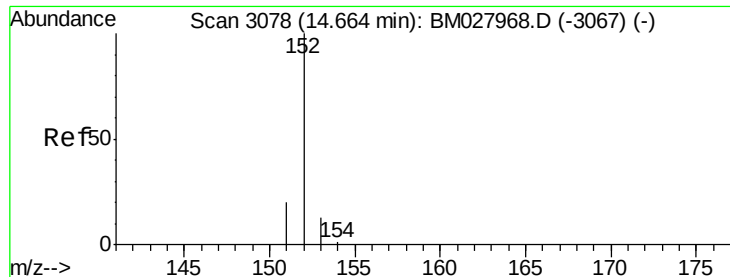
141 91.5 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.109 ng/ul

RT: 14.66 min Scan# 3078

Delta R.T. 0.00 min

Lab File: BM027979.D

Acq: 26 Nov 2020 00:26

Instrument :

BNA_M

ClientSampleId :

C0B18

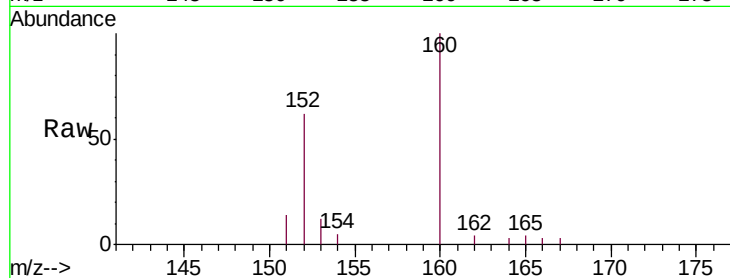
Tgt Ion:152 Resp: 1522

Ion Ratio Lower Upper

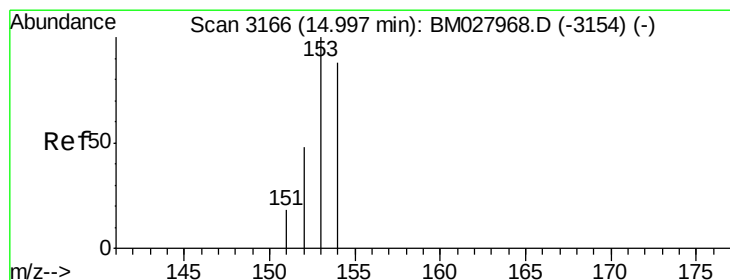
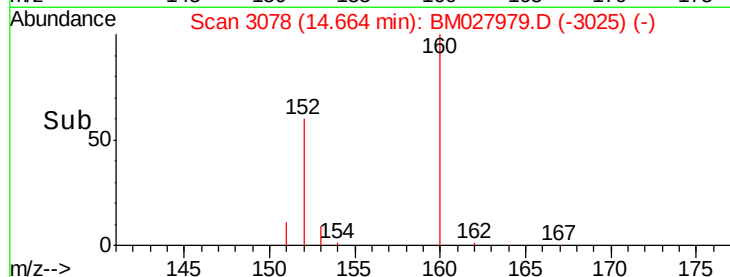
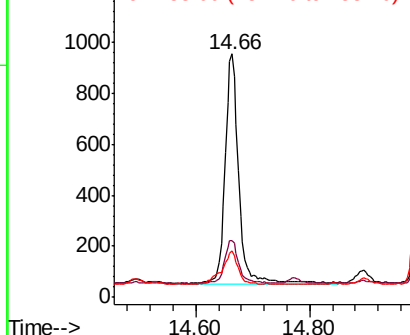
152 100

151 23.5 17.1 25.7

153 19.1 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: 0.209 ng/ul

RT: 15.00 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BM027979.D

Acq: 26 Nov 2020 00:26

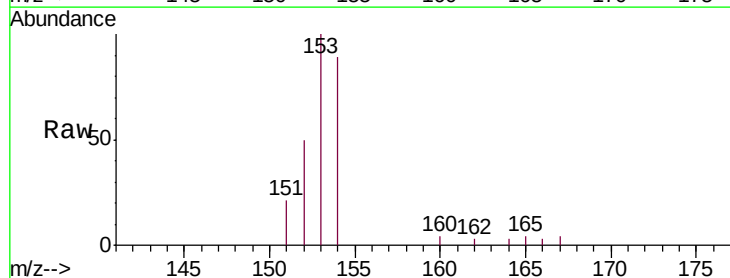
Tgt Ion:153 Resp: 2189

Ion Ratio Lower Upper

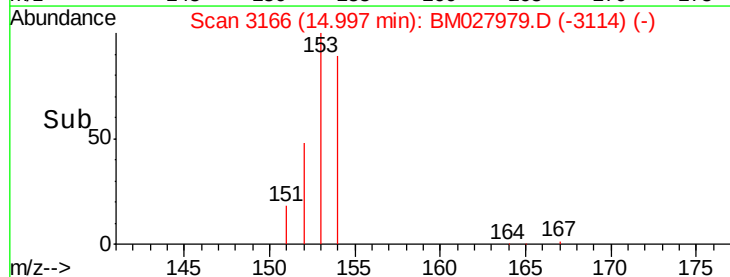
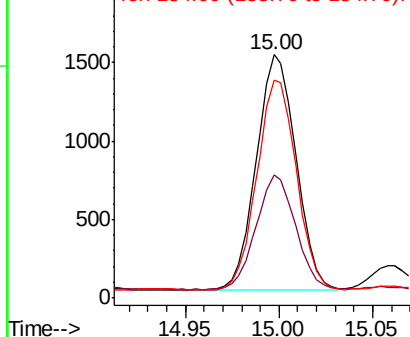
153 100

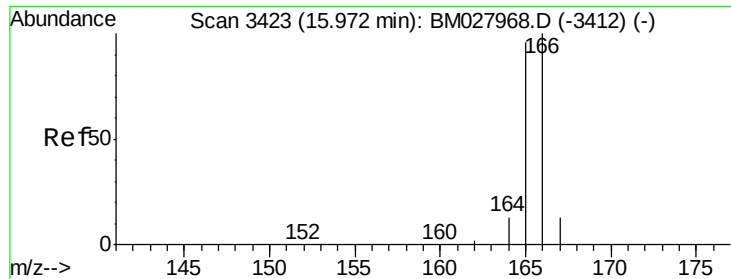
152 50.4 39.0 58.6

154 89.3 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

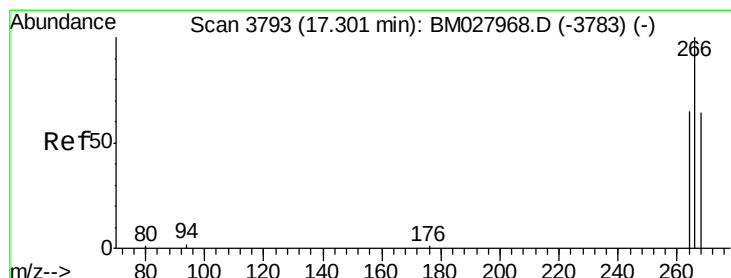
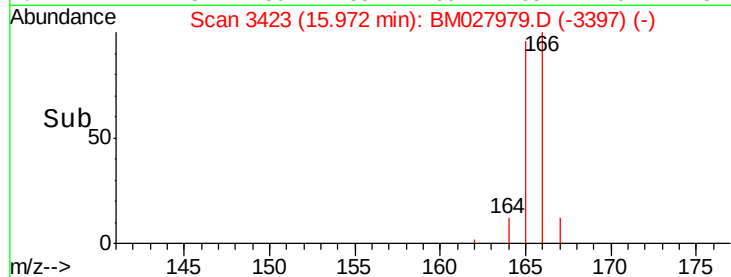
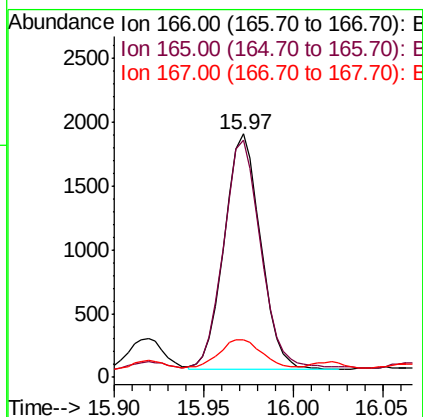
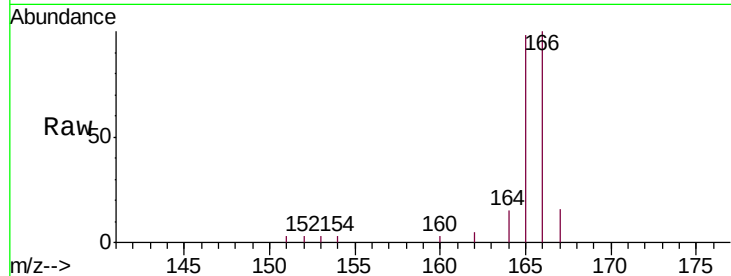




#9
Fluorene
 Concen: 0.212 ng/ul
 RT: 15.97 min Scan# 3423
 Delta R.T. 0.00 min
 Lab File: BM027979.D
 Acq: 26 Nov 2020 00:26

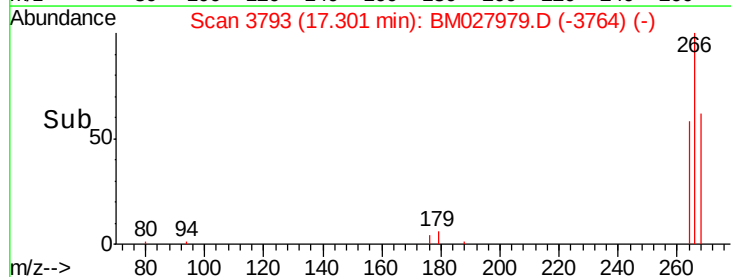
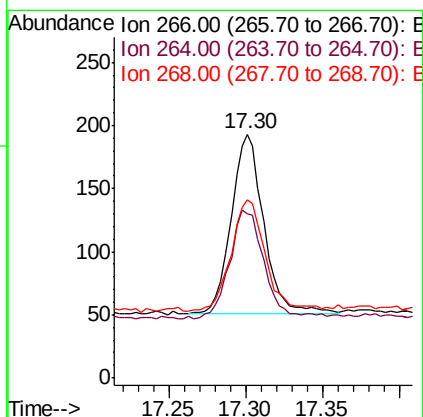
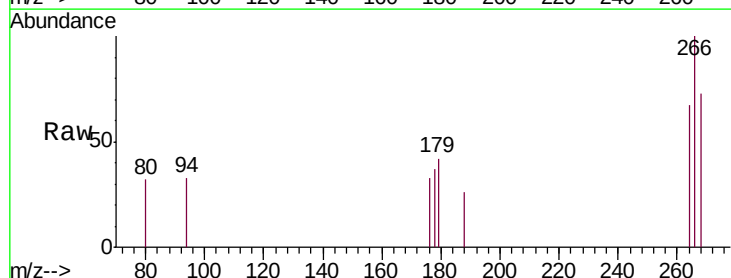
Instrument :
 BNA_M
 ClientSampleId :
 C0B18

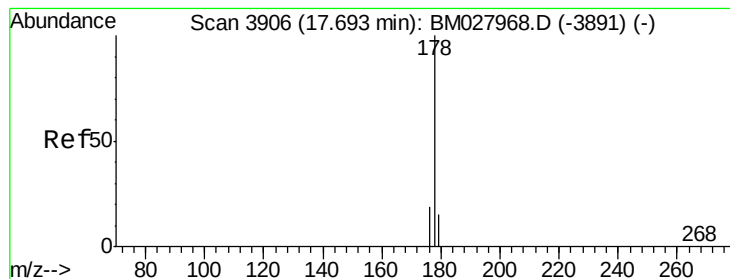
Tgt Ion:166 Resp: 2581
 Ion Ratio Lower Upper
 166 100
 165 97.7 78.1 117.1
 167 15.6 11.8 17.8



#11
Pentachlorophenol
 Concen: 0.121 ng/ul
 RT: 17.30 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: BM027979.D
 Acq: 26 Nov 2020 00:26

Tgt Ion:266 Resp: 208
 Ion Ratio Lower Upper
 266 100
 264 66.3 49.6 74.4
 268 66.3 52.1 78.1





#12

Phenanthrene

Concen: 3.932 ng/ul

RT: 17.69 min Scan# 3906

Delta R.T. -0.00 min

Lab File: BM027979.D

Acq: 26 Nov 2020 00:26

Instrument :

BNA_M

ClientSampleId :

C0B18

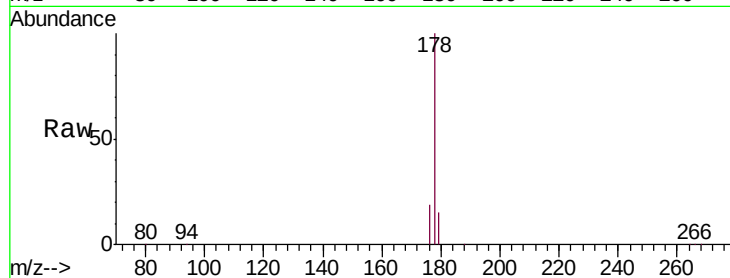
Tgt Ion:178 Resp: 62822

Ion Ratio Lower Upper

178 100

179 15.4 13.6 20.4

176 18.8 16.1 24.1

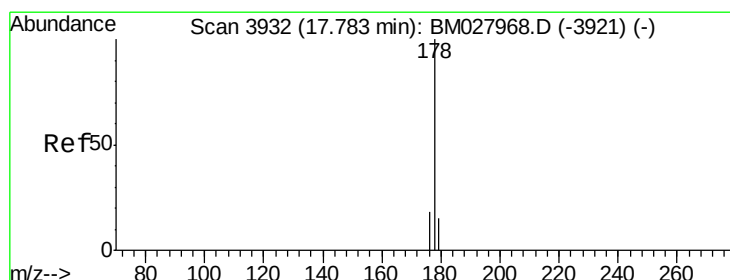
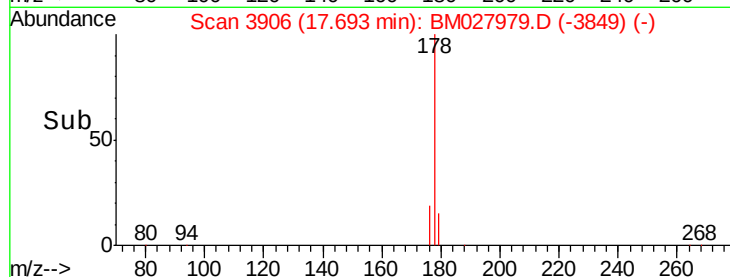
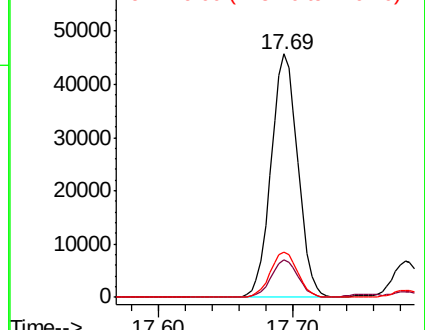


Abundance

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: 0.596 ng/ul

RT: 17.78 min Scan# 3932

Delta R.T. -0.00 min

Lab File: BM027979.D

Acq: 26 Nov 2020 00:26

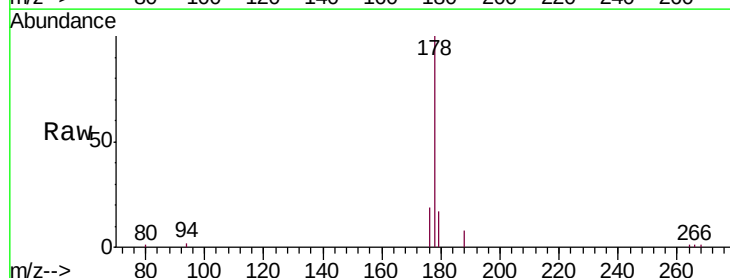
Tgt Ion:178 Resp: 9190

Ion Ratio Lower Upper

178 100

179 16.5 13.4 20.2

176 18.8 15.0 22.6

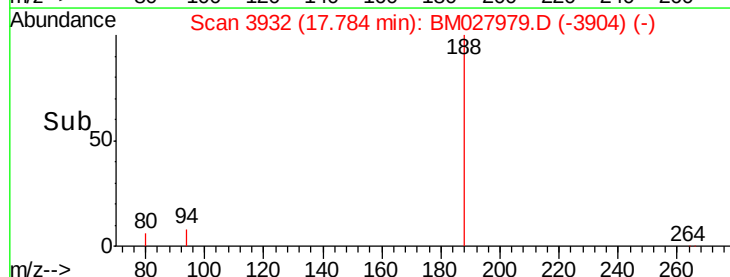
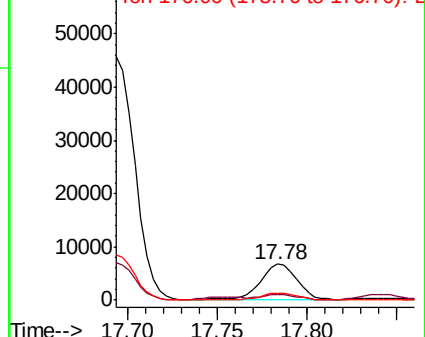


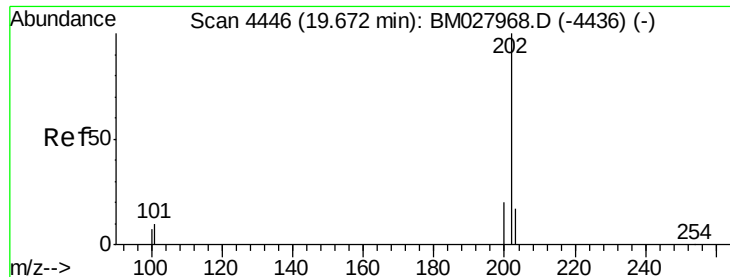
Abundance

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

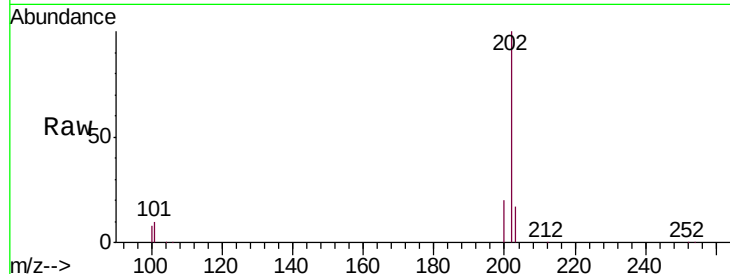




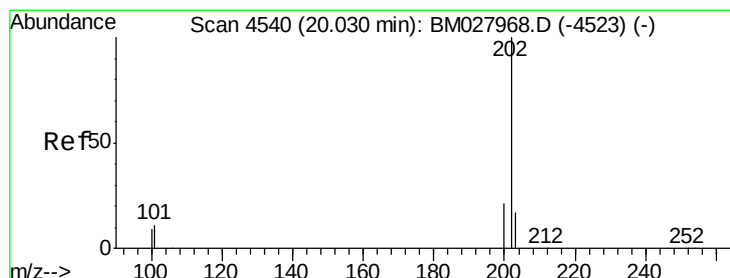
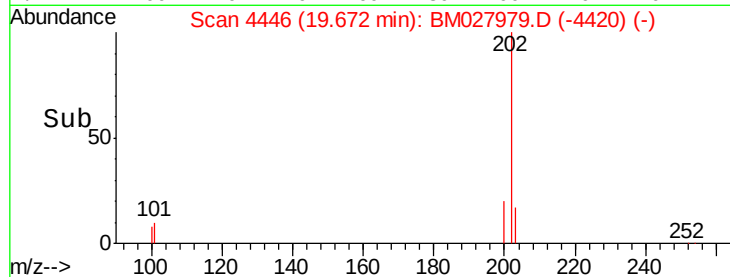
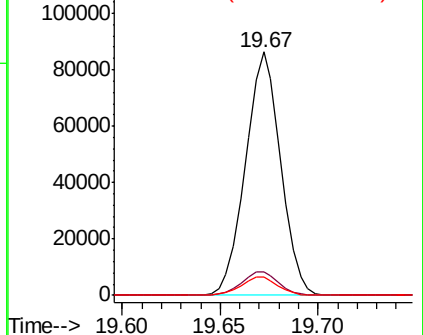
#15
Fluoranthene
Concen: 6.061 ng/ul
RT: 19.67 min Scan# 4446
Delta R.T. 0.00 min
Lab File: BM027979.D
Acq: 26 Nov 2020 00:26

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Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.3
100	7.7	0.0	27.4

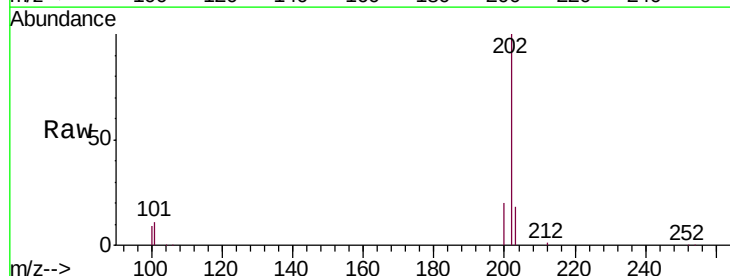


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

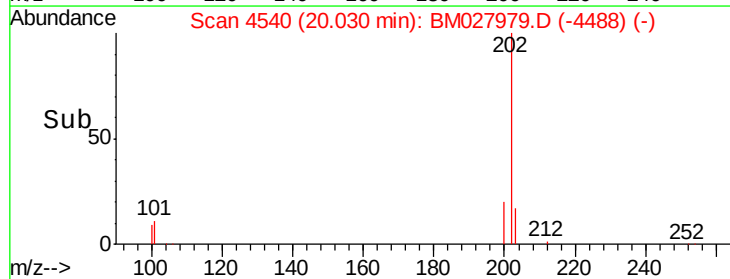
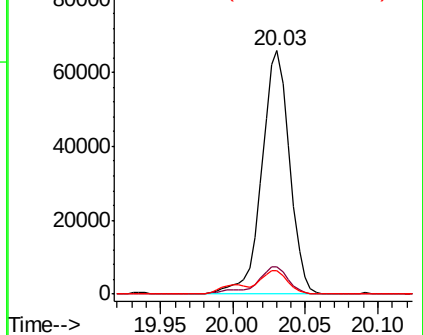


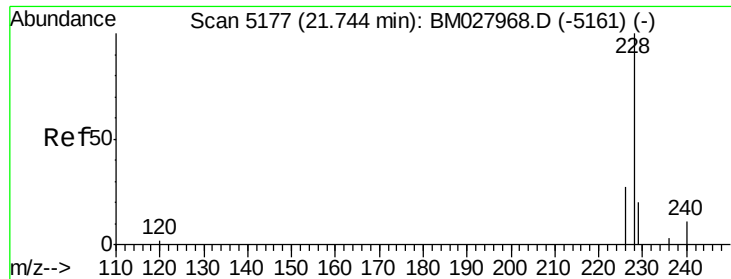
#17
Pyrene
Concen: 6.087 ng/ul
RT: 20.03 min Scan# 4540
Delta R.T. 0.00 min
Lab File: BM027979.D
Acq: 26 Nov 2020 00:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	8.2	12.2
100	9.4	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: 3.252 ng/ul

RT: 21.74 min Scan# 5174

Delta R.T. -0.00 min

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Acq: 26 Nov 2020 00:26

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ClientSampleId :

C0B18

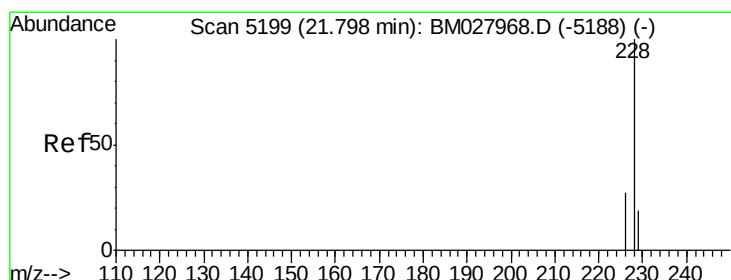
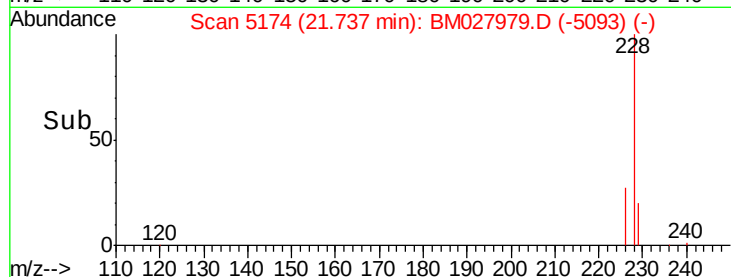
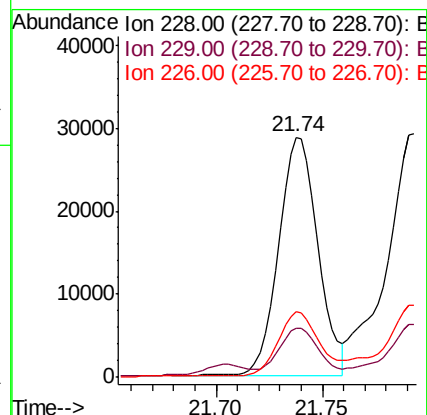
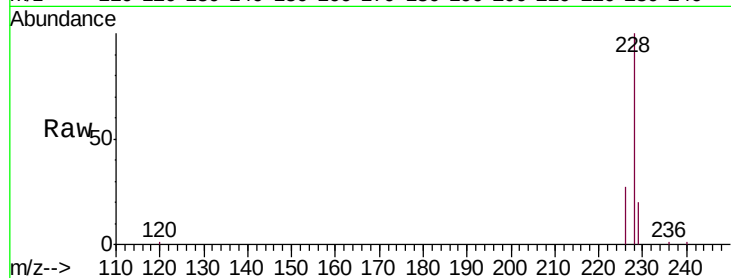
Tgt Ion:228 Resp: 36874

Ion Ratio Lower Upper

228 100

229 20.5 16.2 24.4

226 27.3 21.5 32.3



#19

Chrysene

Concen: 3.876 ng/ul

RT: 21.79 min Scan# 5197

Delta R.T. -0.00 min

Lab File: BM027979.D

Acq: 26 Nov 2020 00:26

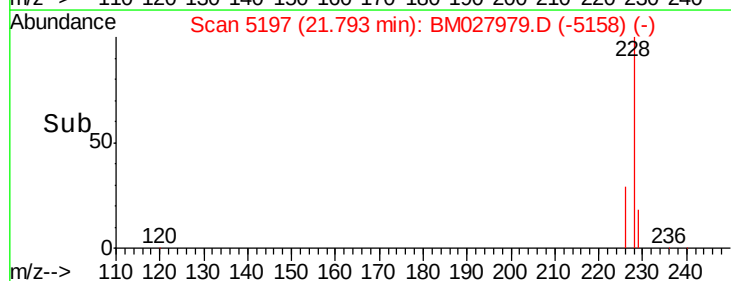
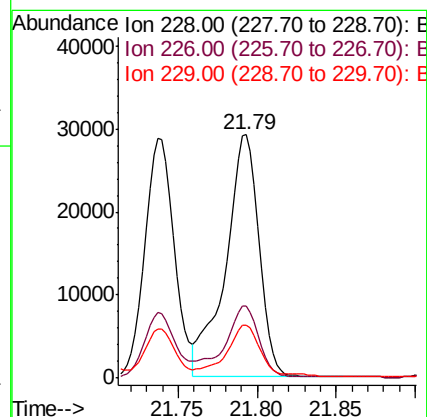
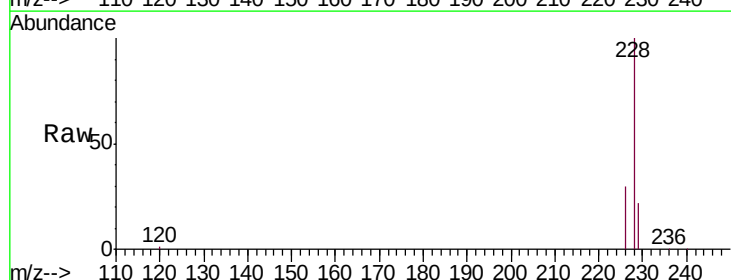
Tgt Ion:228 Resp: 42805

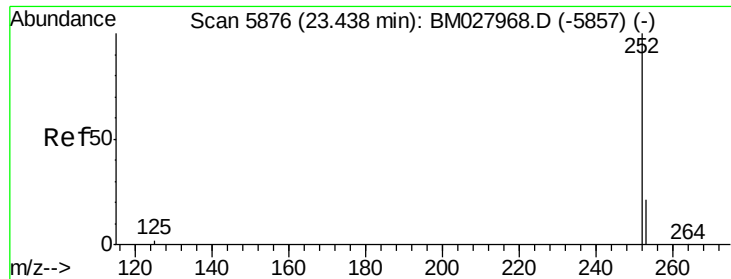
Ion Ratio Lower Upper

228 100

226 29.5 24.1 36.1

229 21.9 16.6 24.8





#21

Benzo(b)fluoranthene

Concen: 5.776 ng/ul

RT: 23.44 min Scan# 5875

Delta R.T. -0.00 min

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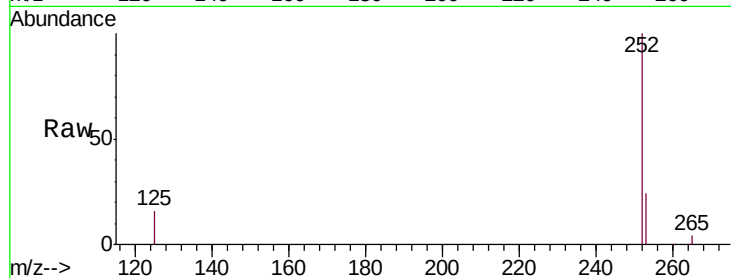
Tgt Ion:252 Resp: 63847

Ion Ratio Lower Upper

252 100

253 23.6 0.0 59.6

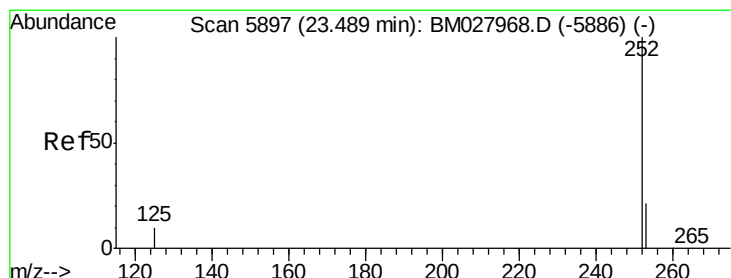
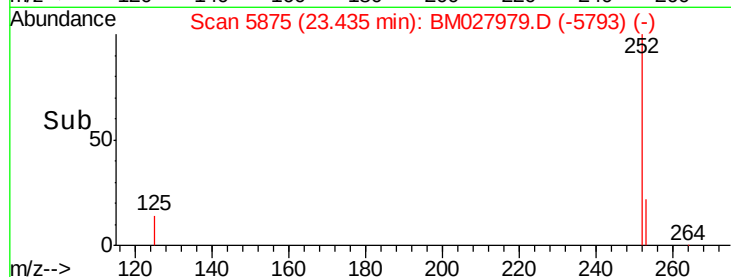
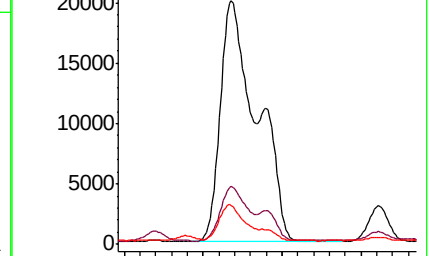
125 15.8 0.0 28.4



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: 5.895 ng/ul

RT: 23.44 min Scan# 5875

Delta R.T. -0.05 min

Lab File: BM027979.D

Acq: 26 Nov 2020 00:26

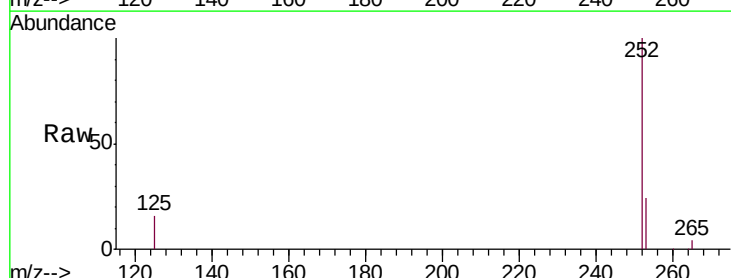
Tgt Ion:252 Resp: 63810

Ion Ratio Lower Upper

252 100

253 23.6 23.2 34.8

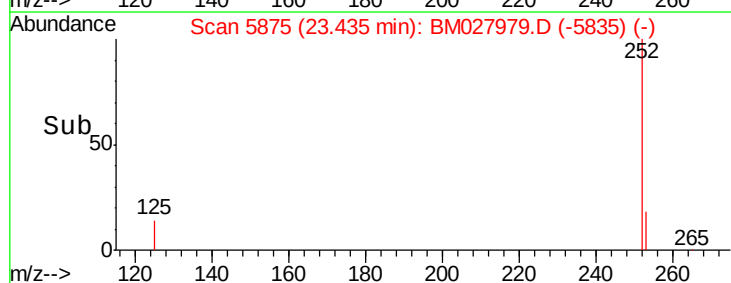
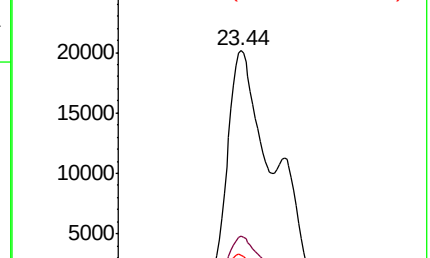
125 15.8 11.8 17.6

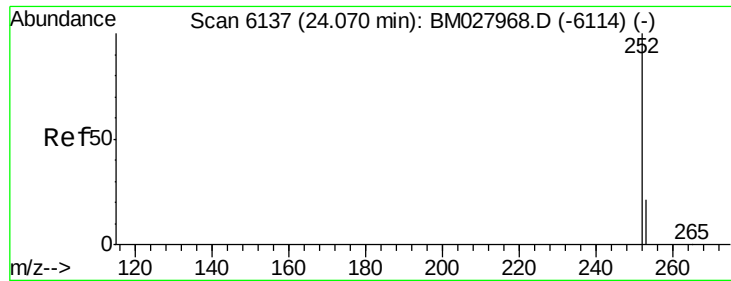


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 3.333 ng/ul

RT: 24.06 min Scan# 6134

Delta R.T. -0.01 min

Lab File: BM027979.D

Acq: 26 Nov 2020 00:26

Instrument :

BNA_M

ClientSampleId :

C0B18

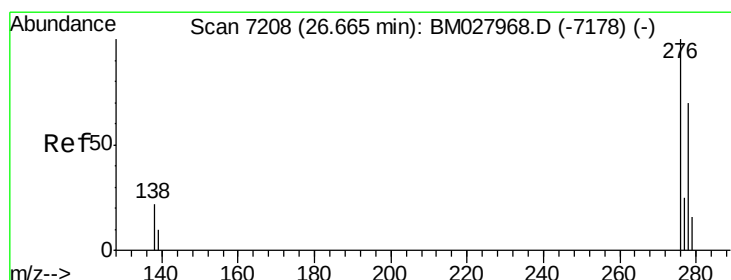
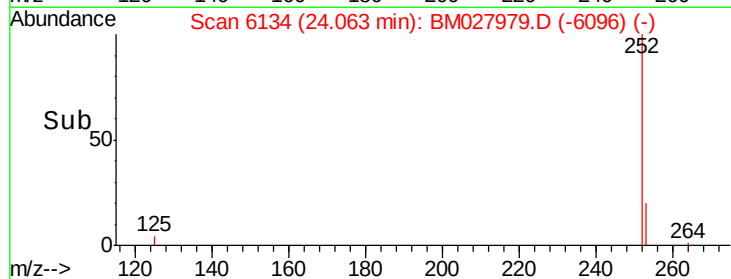
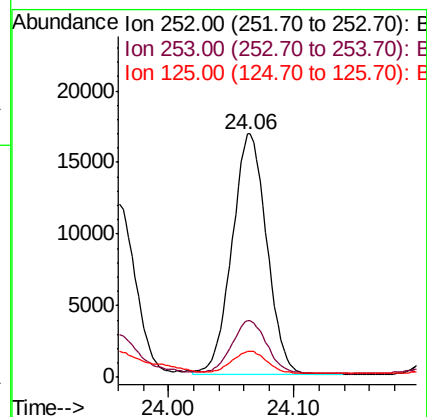
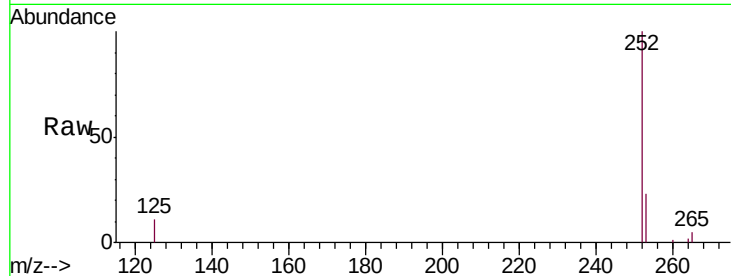
Tgt Ion:252 Resp: 32214

Ion Ratio Lower Upper

252 100

253 23.3 25.2 37.8#

125 10.7 13.8 20.6#



#24

Indeno(1,2,3-cd)pyrene

Concen: 2.021 ng/ul

RT: 26.66 min Scan# 7206

Delta R.T. -0.01 min

Lab File: BM027979.D

Acq: 26 Nov 2020 00:26

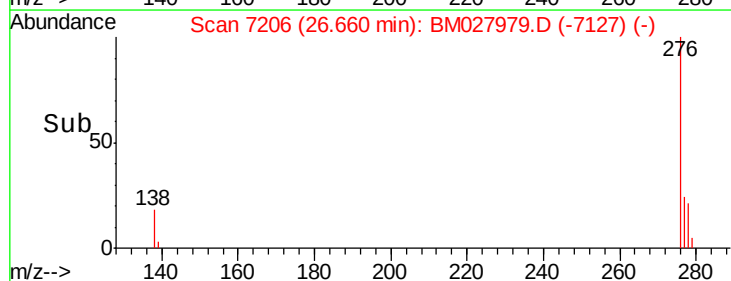
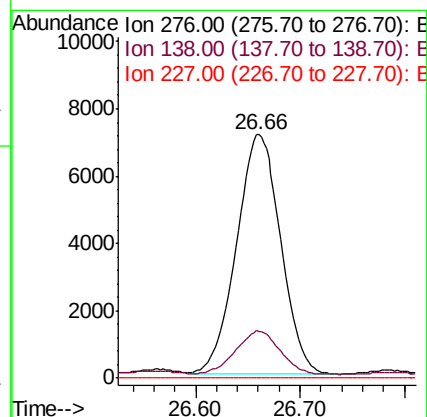
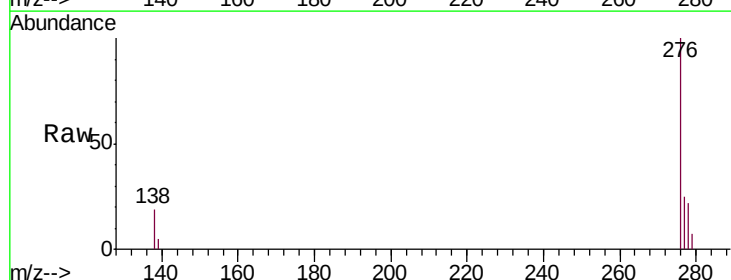
Tgt Ion:276 Resp: 21144

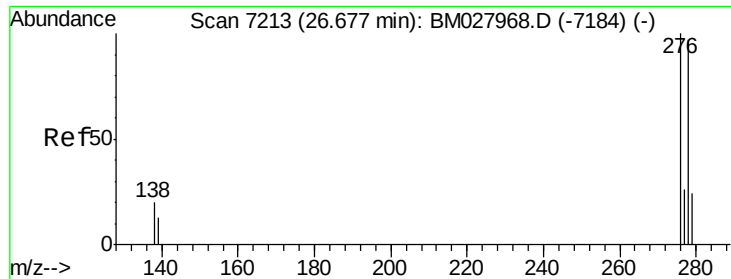
Ion Ratio Lower Upper

276 100

138 18.3 15.7 23.5

227 0.0 0.0 0.0

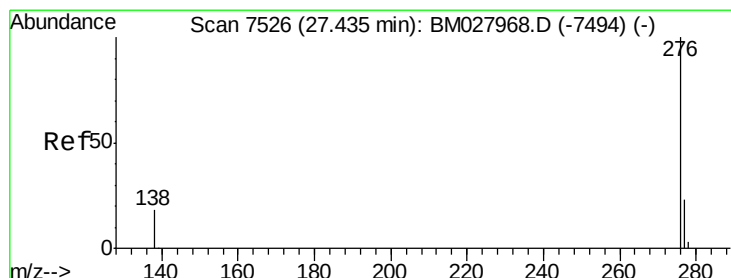
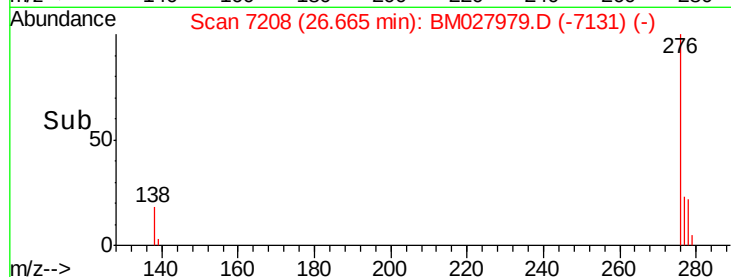
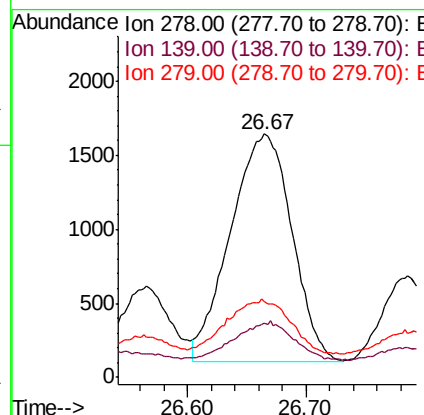
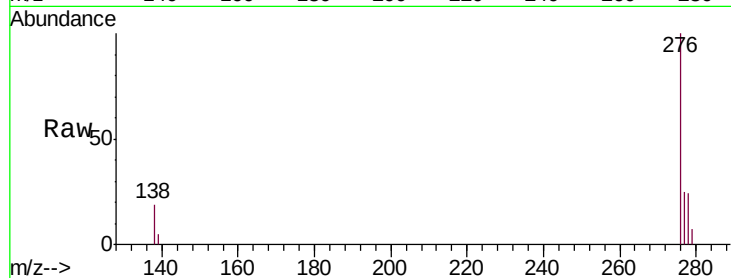




#25
Dibenzo(a,h)anthracene
Concen: 0.633 ng/ul
RT: 26.67 min Scan# 7208
Delta R.T. -0.01 min
Lab File: BM027979.D
Acq: 26 Nov 2020 00:26

Instrument :
BNA_M
ClientSampleId :
C0B18

Tgt Ion: 278 Resp: 5517
Ion Ratio Lower Upper
278 100
139 22.2 14.8 22.2#
279 31.0 25.8 38.6



#26
Benzo(g,h,i)perylene
Concen: 2.160 ng/ul
RT: 27.43 min Scan# 7525
Delta R.T. -0.01 min
Lab File: BM027979.D
Acq: 26 Nov 2020 00:26

Tgt Ion: 276 Resp: 18958
Ion Ratio Lower Upper
276 100
138 19.1 17.4 26.2
277 24.7 22.5 33.7

