

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112320\
 Data File : BM027921.D
 Acq On : 23 Nov 2020 19:49
 Operator : JU/CG
 Sample : L4711-08DL2 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0B33DL

Quant Time: Nov 24 00:45:40 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 : Tue Nov 24 00:42:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	1197	0.40	ng/ul	0.00
2) Naphthalene-d8	11.16	136	4708	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	2660	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	4889	0.40	ng/ul	0.00
16) Chrysene-d12	21.76	240	3010	0.40	ng/ul	0.00
20) Perylene-d12	24.18	264	2643	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.73	152	264	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	434	0.03	ng/ul	0.00

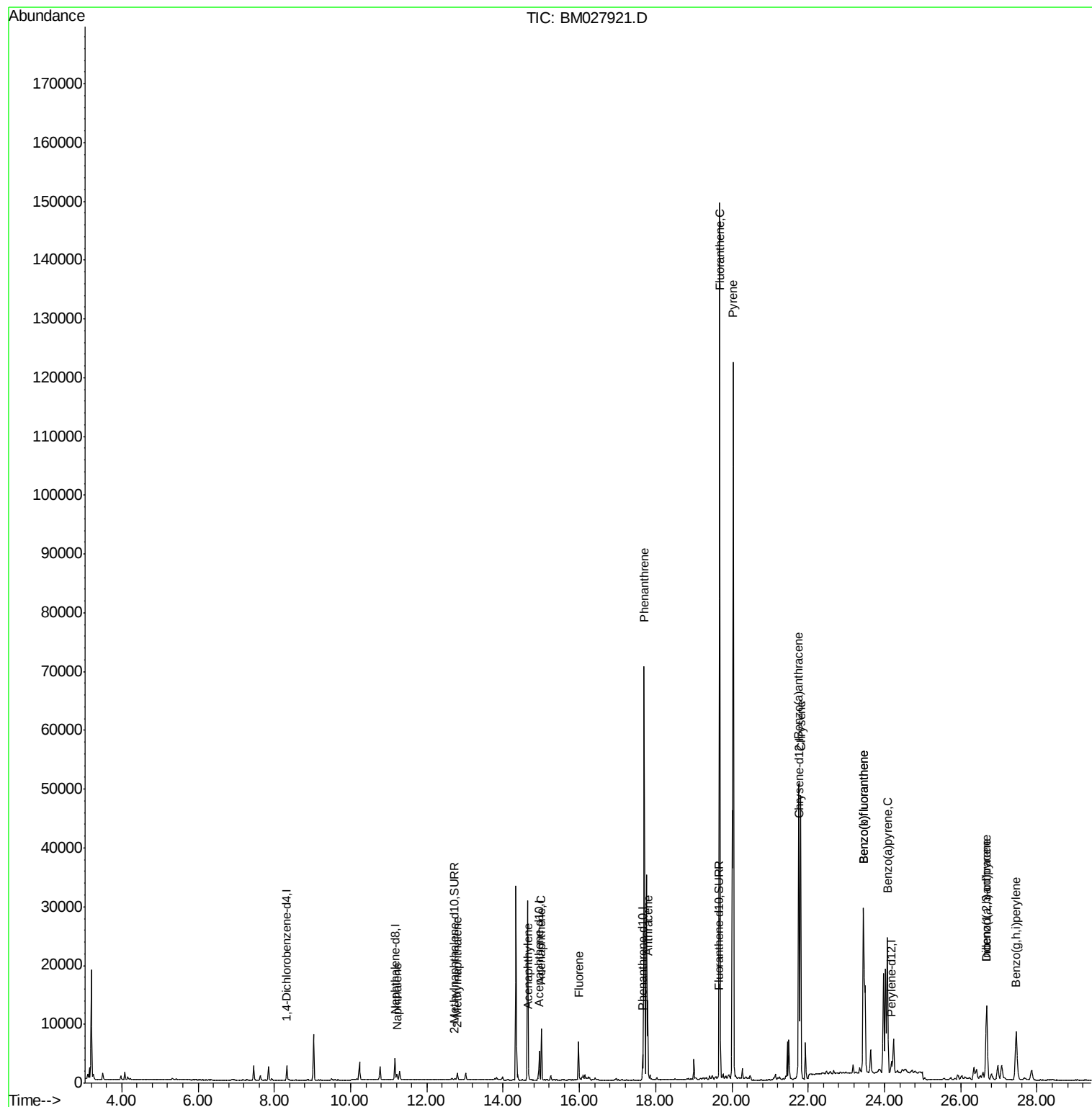
Target Compounds				Ovalue		
3) Naphthalene	11.21	128	1229	0.087	ng/ul#	90
5) 2-Methylnaphthalene	12.80	142	782	0.081	ng/ul	99
7) Acenaphthylene	14.67	152	343	0.026	ng/ul#	61
8) Acenaphthene	15.01	153	4847	0.498	ng/ul	100
9) Fluorene	15.98	166	3987	0.353	ng/ul	99
12) Phenanthrene	17.70	178	71487	4.629	ng/ul	97
13) Anthracene	17.79	178	13948	0.936	ng/ul	99
15) Fluoranthene	19.68	202	125070	7.304	ng/ul	99
17) Pyrene	20.03	202	101824	6.661	ng/ul	98
18) Benzo(a)anthracene	21.75	228	43219	3.559	ng/ul	100
19) Chrysene	21.80	228	46948	3.969	ng/ul	99
21) Benzo(b)fluoranthene	23.45	252	68639	6.179	ng/ul	89
22) Benzo(k)fluoranthene	23.45	252	68564	6.303	ng/ul#	89
23) Benzo(a)pyrene	24.08	252	33486	3.448	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.67	276	21795	2.073	ng/ul#	96
25) Dibenzo(a,h)anthracene	26.68	278	5523	0.631	ng/ul	96
26) Benzo(a,h,i)perylene	27.45	276	19208	2.177	ng/ul	93

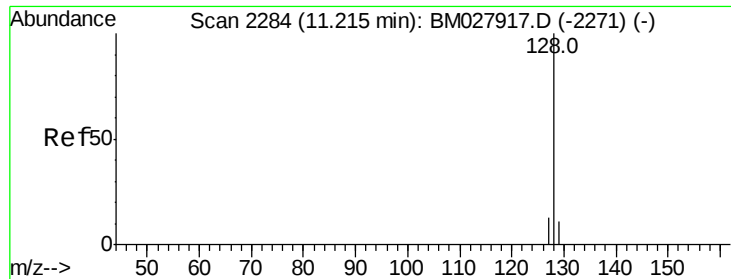
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 24 00:45:40 2020
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#3

Naphthalene

Concen: 0.087 ng/ul

RT: 11.21 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BM027921.D

Acq: 23 Nov 2020 19:49

Instrument :

BNA_M

ClientSampleId :

C0B33DL

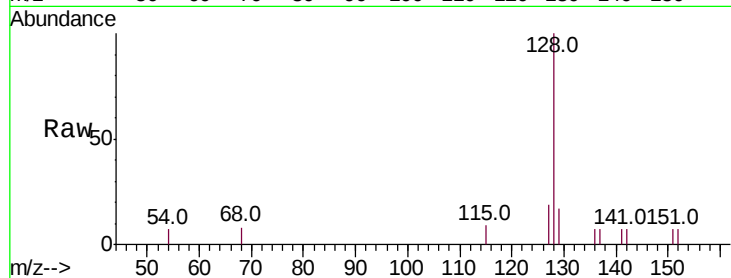
Tot Ion:128 Resp: 1229

Ion Ratio Lower Upper

128 100

129 17.4 10.4 15.6#

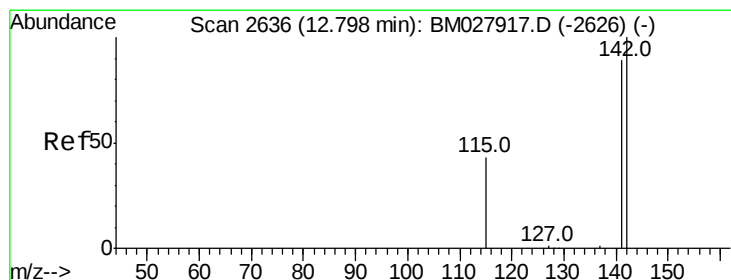
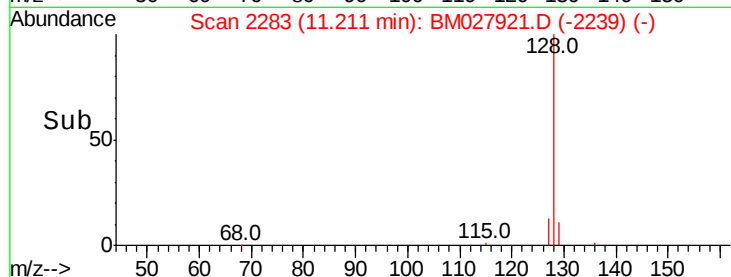
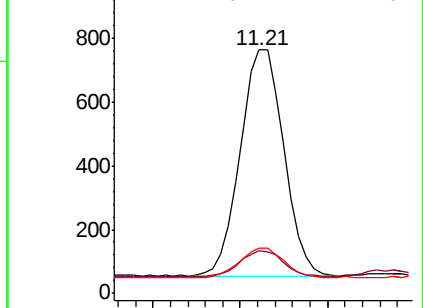
127 18.6 12.0 18.0#



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: 0.081 ng/ul

RT: 12.80 min Scan# 2636

Delta R.T. 0.00 min

Lab File: BM027921.D

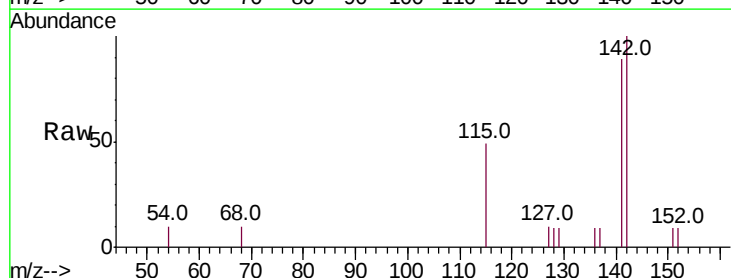
Acq: 23 Nov 2020 19:49

Tgt Ion:142 Resp: 782

Ion Ratio Lower Upper

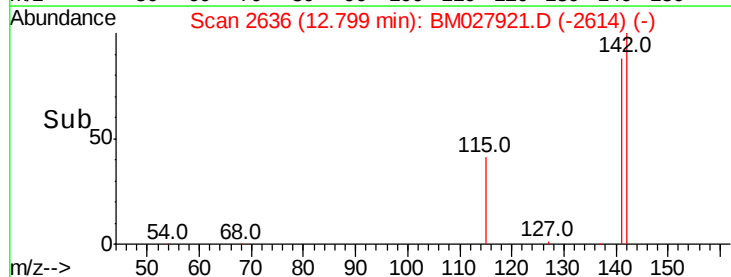
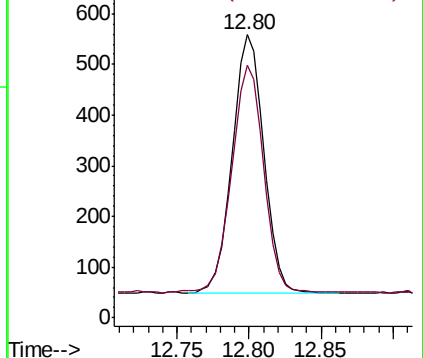
142 100

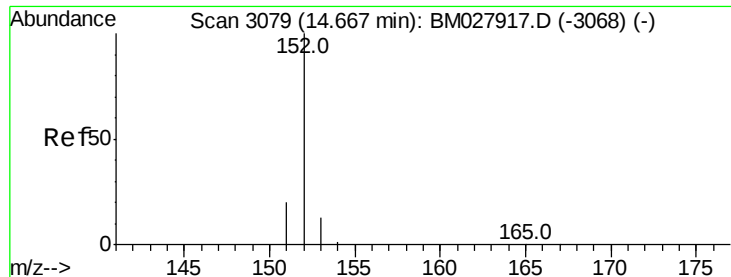
141 89.0 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.026 ng/ul

RT: 14.67 min Scan# 3079

Delta R.T. -0.00 min

Lab File: BM027921.D

Acq: 23 Nov 2020 19:49

Instrument :

BNA_M

ClientSampleId :

C0B33DL

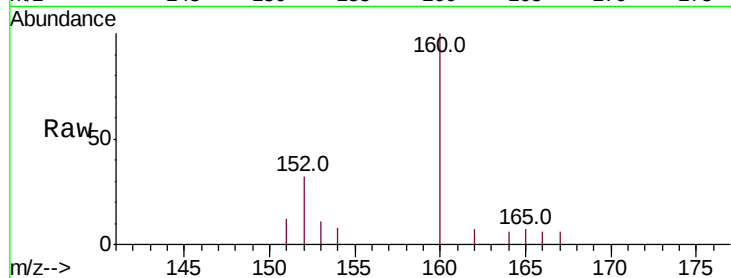
Tot Ion:152 Resp: 343

Ion Ratio Lower Upper

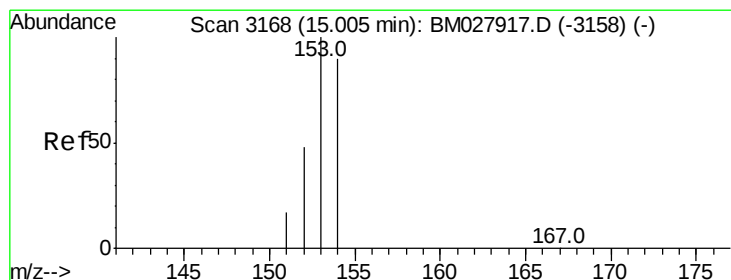
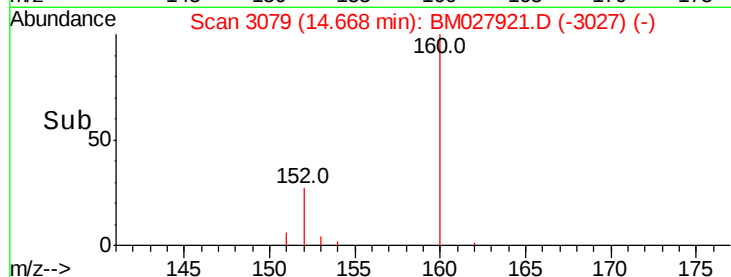
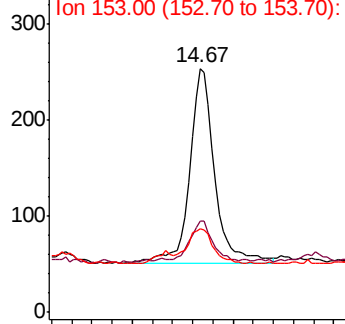
152 100

151 37.5 17.1 25.7#

153 34.0 12.0 18.0#



Abundance Ion 152.00 (151.70 to 152.70): E



#8

Acenaphthene

Concen: 0.498 ng/ul

RT: 15.01 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BM027921.D

Acq: 23 Nov 2020 19:49

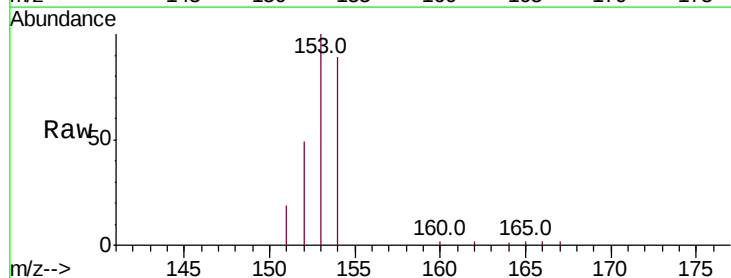
Tgt Ion:153 Resp: 4847

Ion Ratio Lower Upper

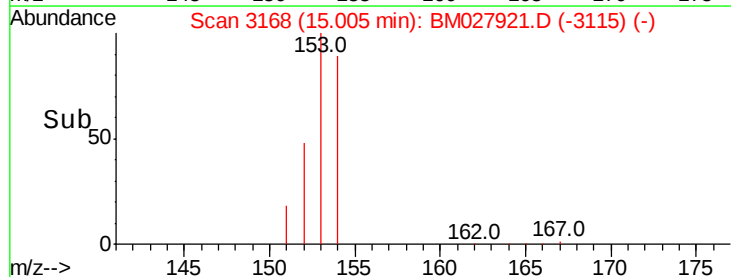
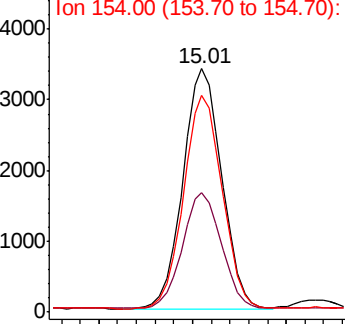
153 100

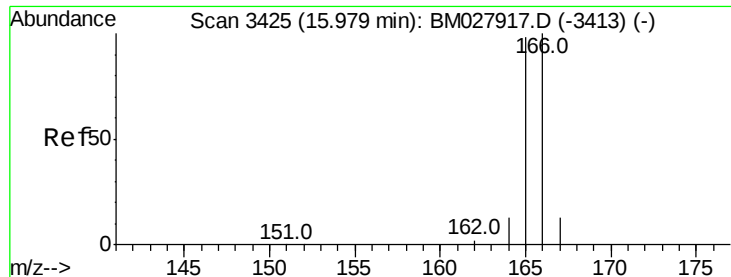
152 49.1 39.0 58.6

154 89.0 71.6 107.4



Abundance Ion 153.00 (152.70 to 153.70): E





#9

Fluorene

Concen: 0.353 ng/ul

RT: 15.98 min Scan# 3425

Delta R.T. 0.00 min

Lab File: BM027921.D

Acq: 23 Nov 2020 19:49

Instrument :

BNA_M

ClientSampleId :

C0B33DL

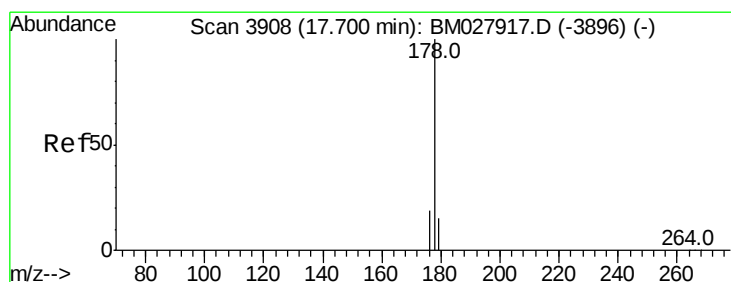
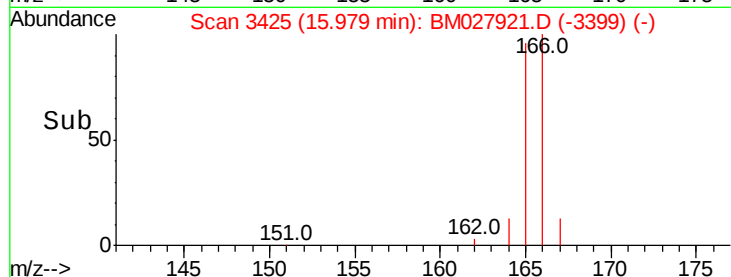
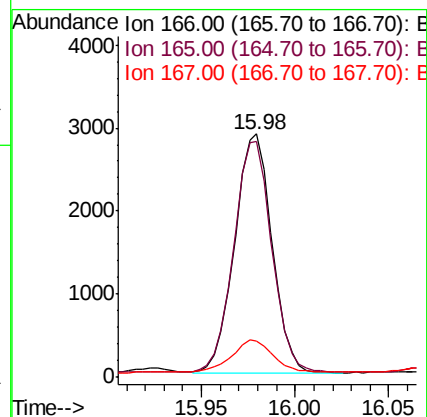
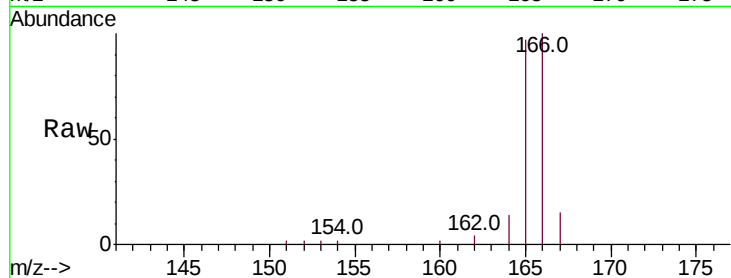
Tot Ion:166 Resp: 3987

Ion Ratio Lower Upper

166 100

165 97.0 78.1 117.1

167 14.7 11.8 17.8



#12

Phenanthrene

Concen: 4.629 ng/ul

RT: 17.70 min Scan# 3908

Delta R.T. 0.00 min

Lab File: BM027921.D

Acq: 23 Nov 2020 19:49

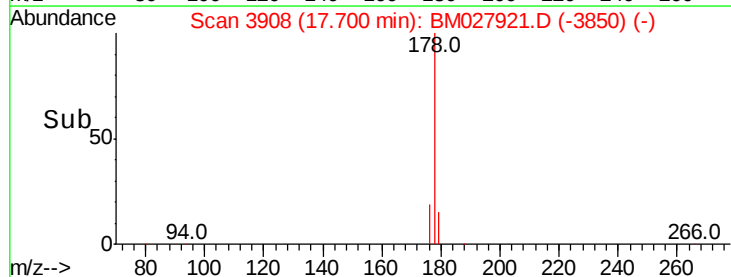
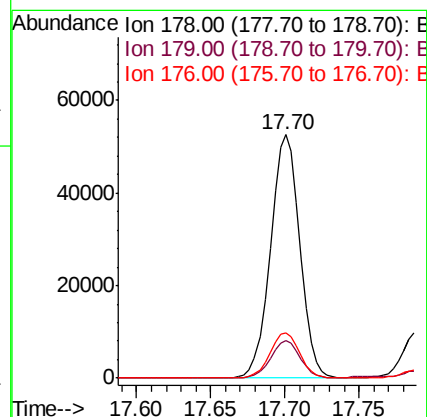
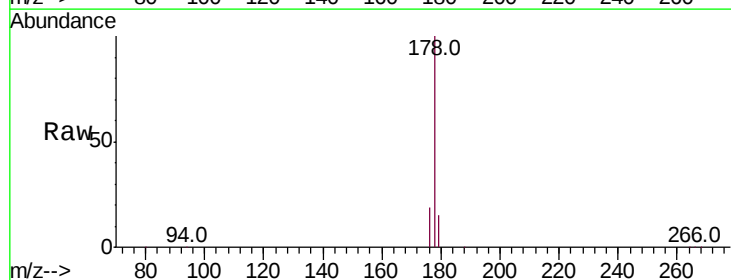
Tgt Ion:178 Resp: 71487

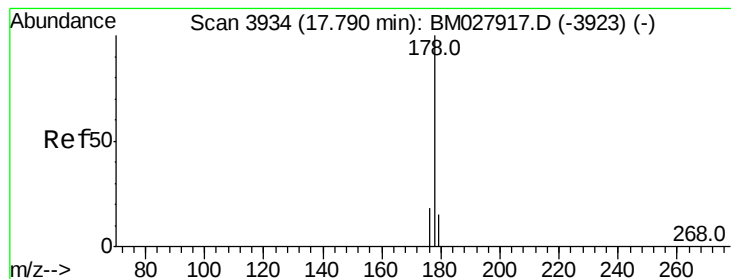
Ion Ratio Lower Upper

178 100

179 15.3 13.6 20.4

176 18.7 16.1 24.1





#13

Anthracene

Concen: 0.936 ng/ul

RT: 17.79 min Scan# 3934

Delta R.T. 0.00 min

Lab File: BM027921.D

Acq: 23 Nov 2020 19:49

Instrument :

BNA_M

ClientSampleId :

C0B33DL

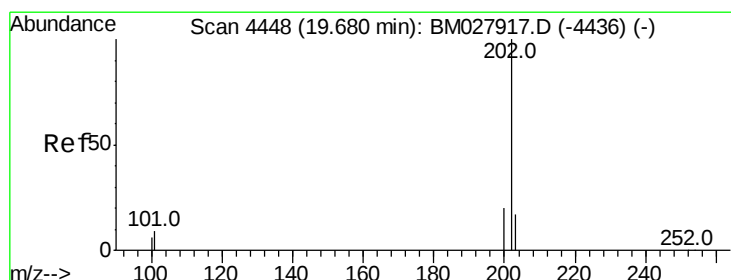
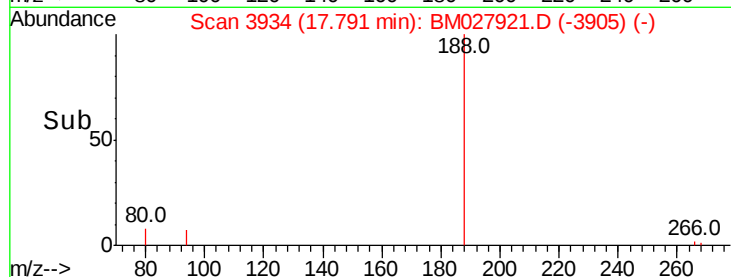
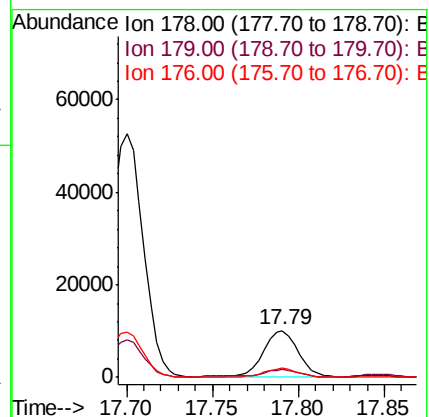
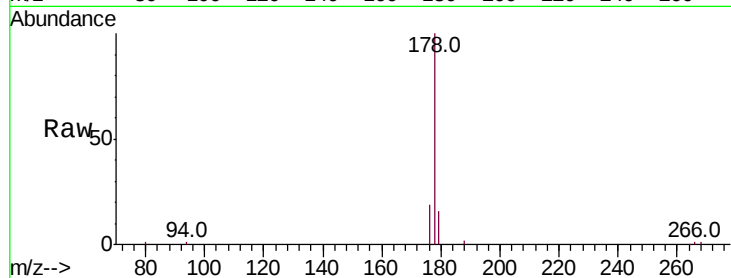
Tot Ion:178 Resp: 13948

Ion Ratio Lower Upper

178 100

179 16.2 13.4 20.2

176 18.9 15.0 22.6



#15

Fluoranthene

Concen: 7.304 ng/ul

RT: 19.68 min Scan# 4448

Delta R.T. 0.00 min

Lab File: BM027921.D

Acq: 23 Nov 2020 19:49

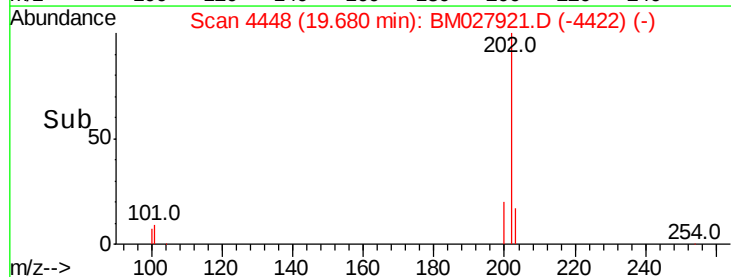
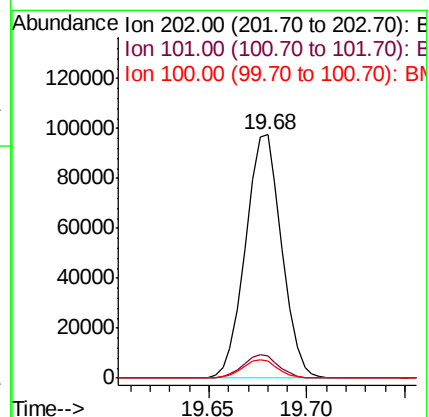
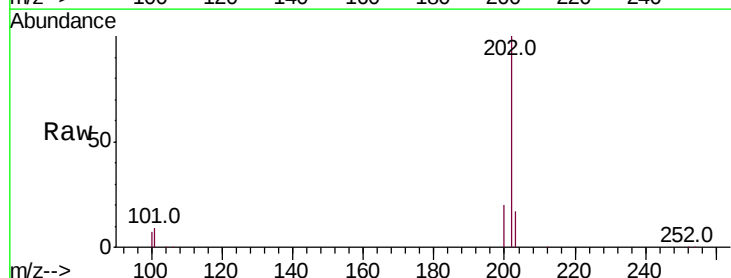
Tgt Ion:202 Resp: 125070

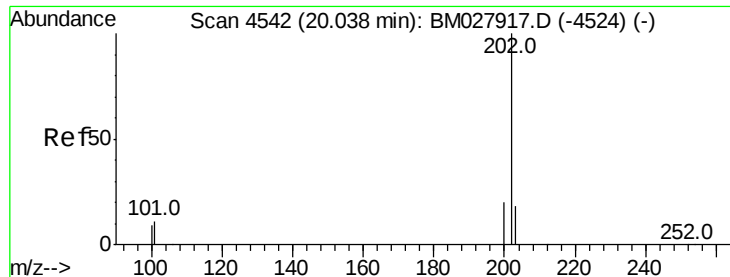
Ion Ratio Lower Upper

202 100

101 8.9 0.0 29.3

100 6.9 0.0 27.4





#17

Pvrene

Concen: 6.661 ng/ul

RT: 20.03 min Scan# 4541

Delta R.T. -0.00 min

Lab File: BM027921.D

Acq: 23 Nov 2020 19:49

Instrument :

BNA_M

ClientSampleId :

C0B33DL

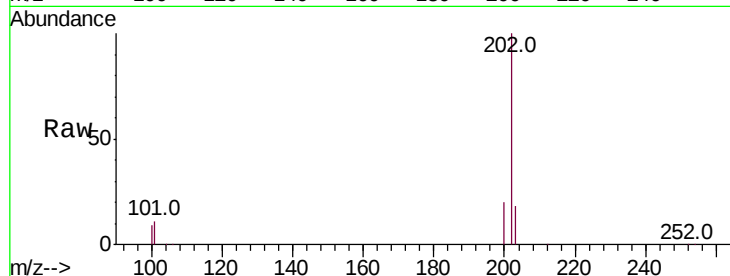
Tot Ion:202 Resp: 101824

Ion Ratio Lower Upper

202 100

101 11.0 8.2 12.2

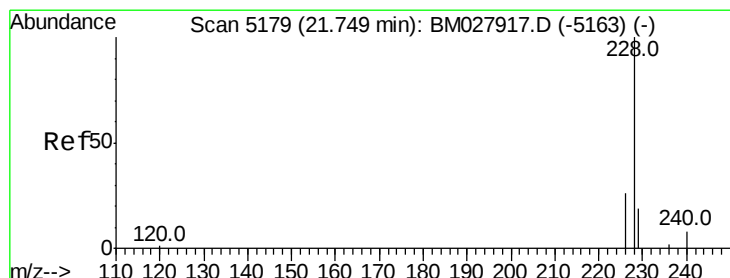
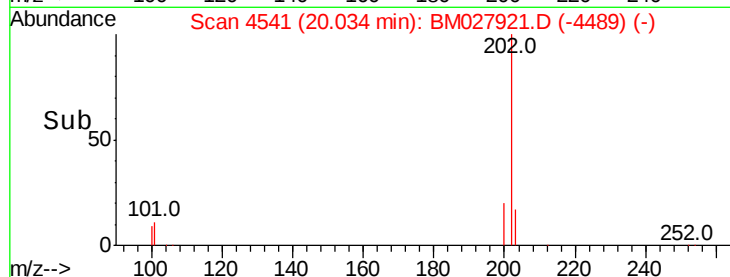
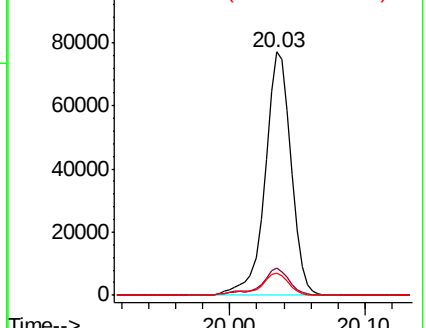
100 9.2 6.9 10.3



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: 3.559 ng/ul

RT: 21.75 min Scan# 5178

Delta R.T. -0.00 min

Lab File: BM027921.D

Acq: 23 Nov 2020 19:49

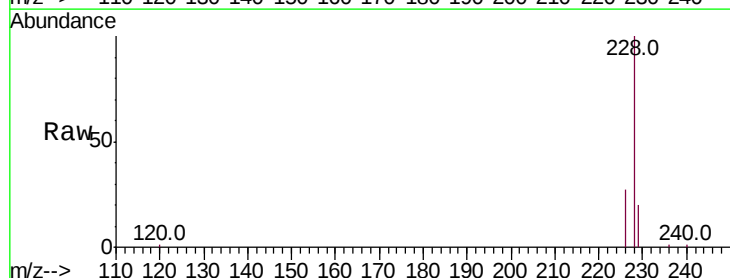
Tgt Ion:228 Resp: 43219

Ion Ratio Lower Upper

228 100

229 20.3 16.2 24.4

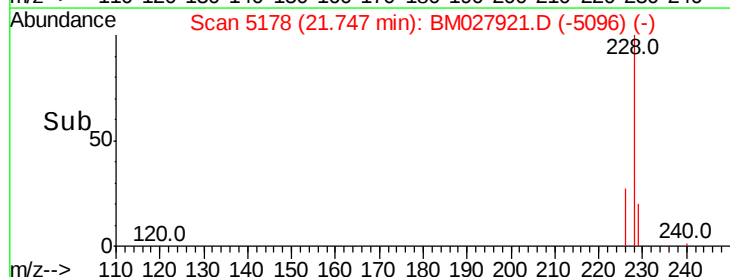
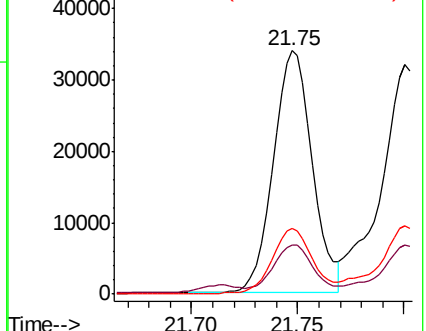
226 26.8 21.5 32.3

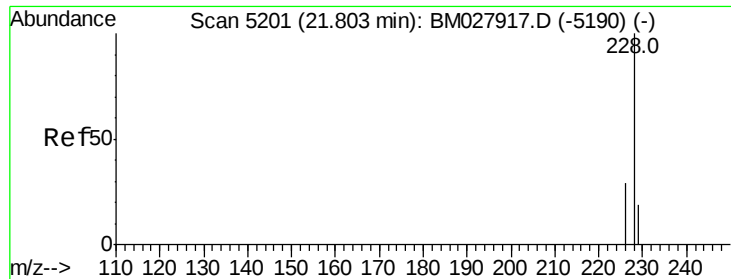


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 3.969 ng/ul

RT: 21.80 min Scan# 5200

Delta R.T. -0.00 min

Lab File: BM027921.D

Acq: 23 Nov 2020 19:49

Instrument :

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ClientSampleId :

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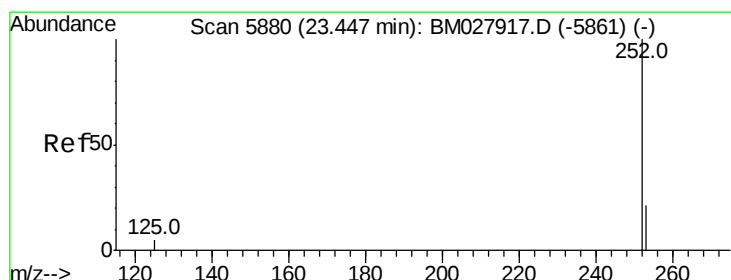
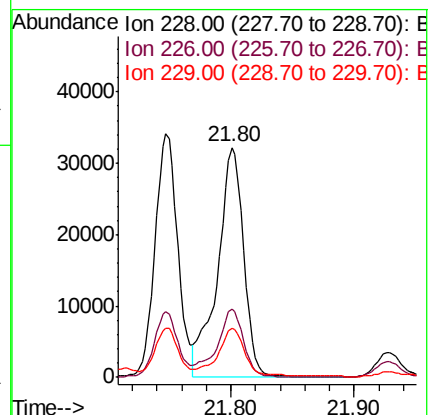
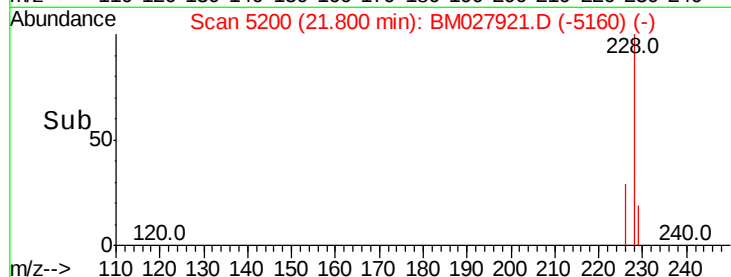
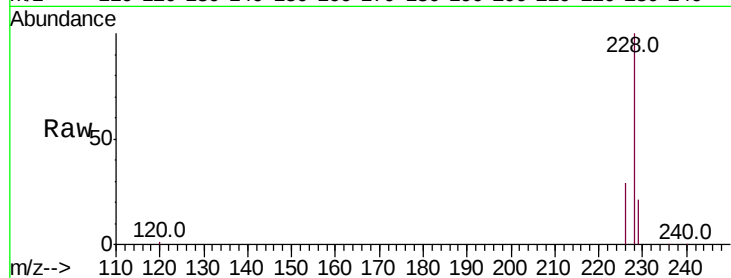
Tot Ion:228 Resp: 46948

Ion Ratio Lower Upper

228 100

226 29.5 24.1 36.1

229 21.3 16.6 24.8



#21

Benzo(b)fluoranthene

Concen: 6.179 ng/ul

RT: 23.45 min Scan# 5880

Delta R.T. 0.00 min

Lab File: BM027921.D

Acq: 23 Nov 2020 19:49

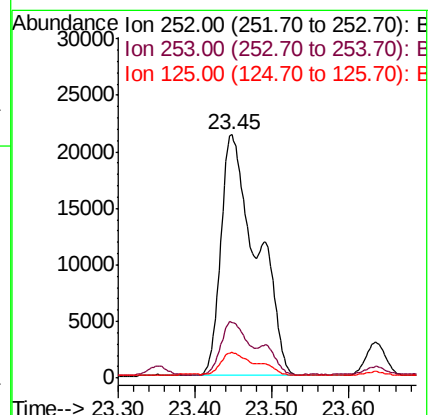
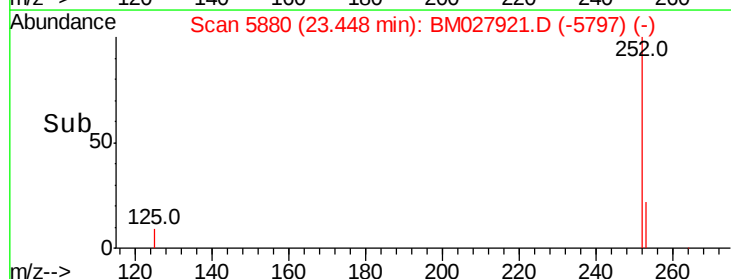
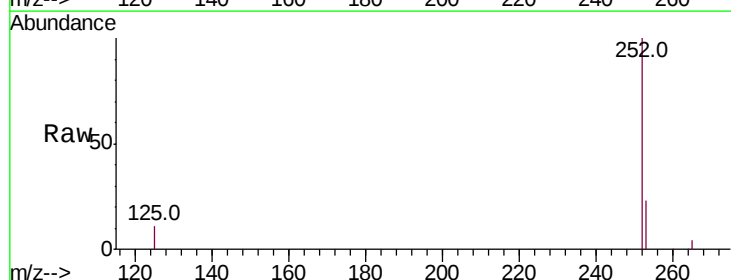
Tgt Ion:252 Resp: 68639

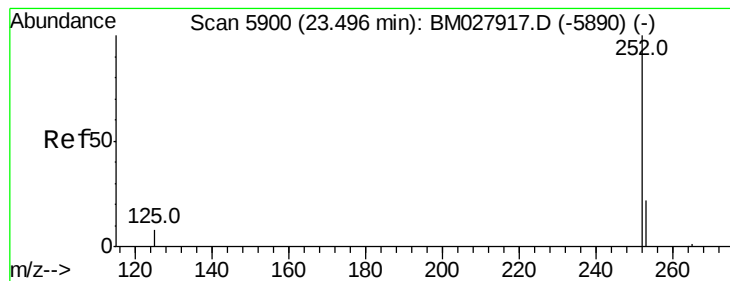
Ion Ratio Lower Upper

252 100

253 23.0 0.0 59.6

125 10.6 0.0 28.4





#22

Benzo(k)fluoranthene

Concen: 6.303 ng/ul

RT: 23.45 min Scan# 5880

Delta R.T. -0.05 min

Lab File: BM027921.D

Acq: 23 Nov 2020 19:49

Instrument :

BNA_M

ClientSampleId :

C0B33DL

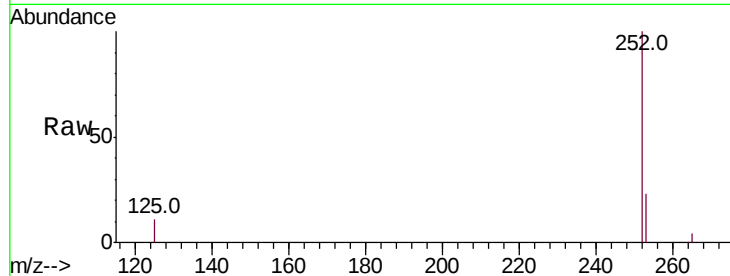
Tot Ion:252 Resp: 68564

Ion Ratio Lower Upper

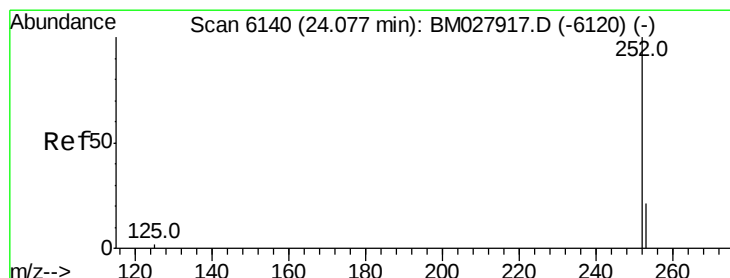
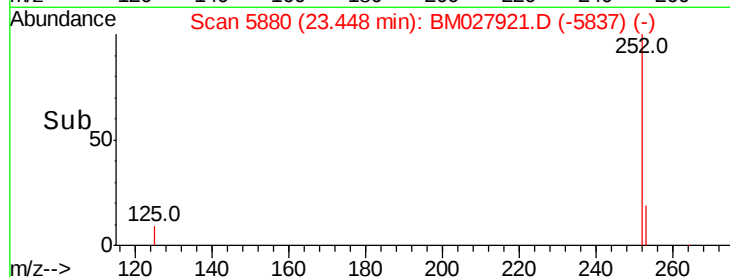
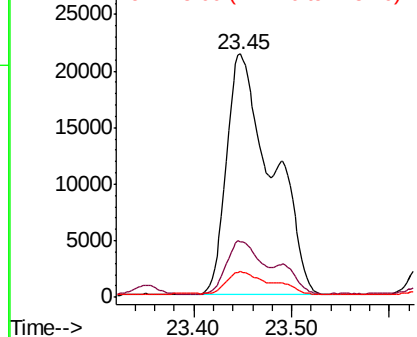
252 100

253 23.0 23.2 34.8#

125 10.6 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: 3.448 ng/ul

RT: 24.08 min Scan# 6139

Delta R.T. 0.00 min

Lab File: BM027921.D

Acq: 23 Nov 2020 19:49

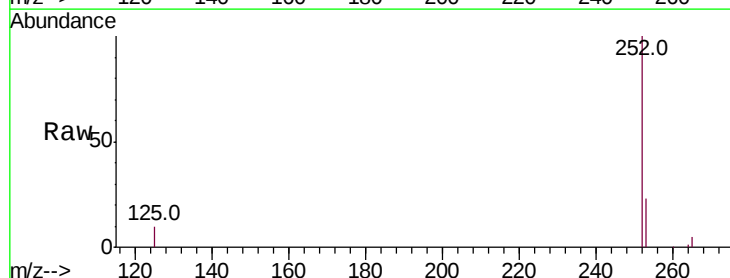
Tgt Ion:252 Resp: 33486

Ion Ratio Lower Upper

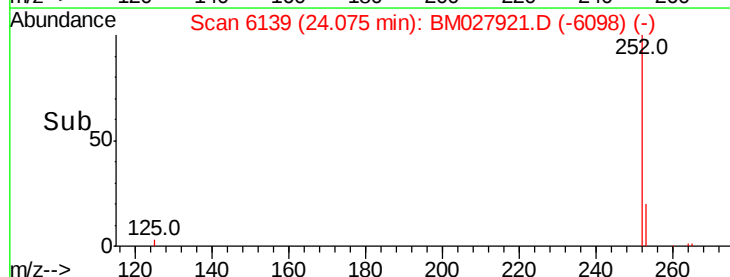
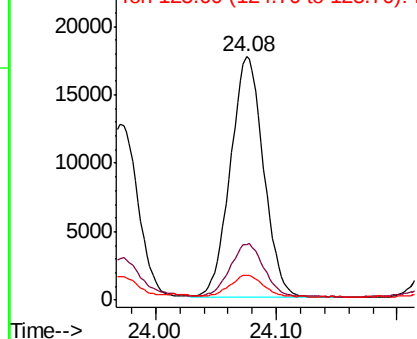
252 100

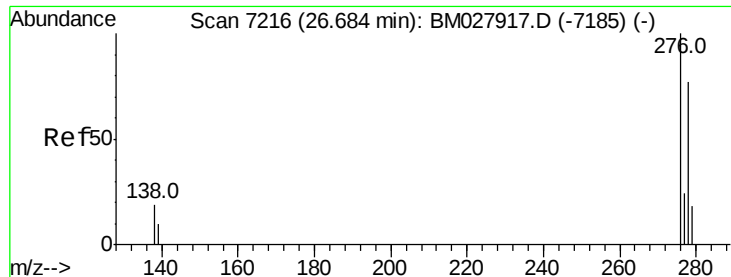
253 23.0 25.2 37.8#

125 10.0 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



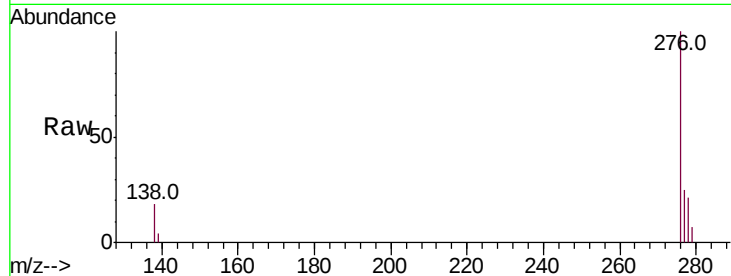


#24

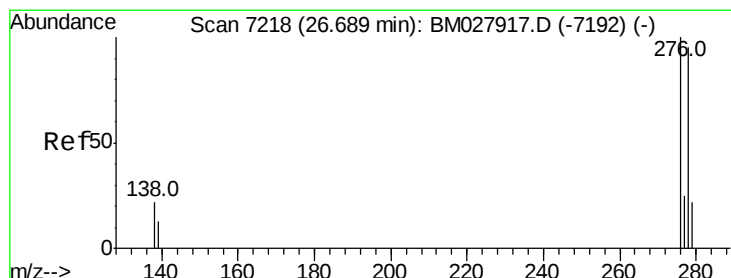
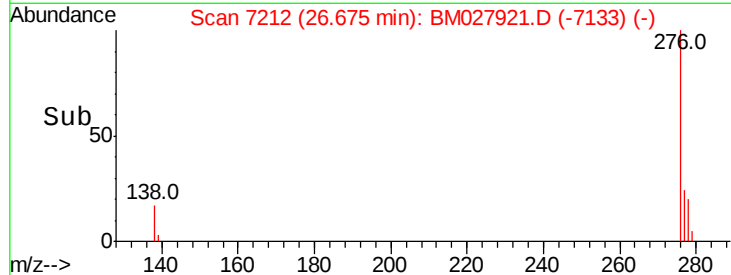
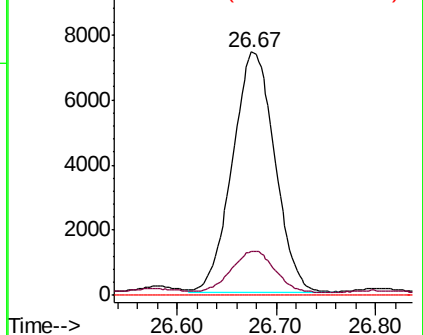
Indeno(1,2,3-cd)pyrene
Concen: 2.073 ng/u1
RT: 26.67 min Scan# 7212
Delta R.T. -0.01 min
Lab File: BM027921.D
Acq: 23 Nov 2020 19:49

Instrument :
BNA_M
ClientSampleId :
C0B33DL

Tot Ion:276 Resp: 21795
Ion Ratio Lower Upper
276 100
138 17.6 15.7 23.5
227 0.0 0.0 0.0



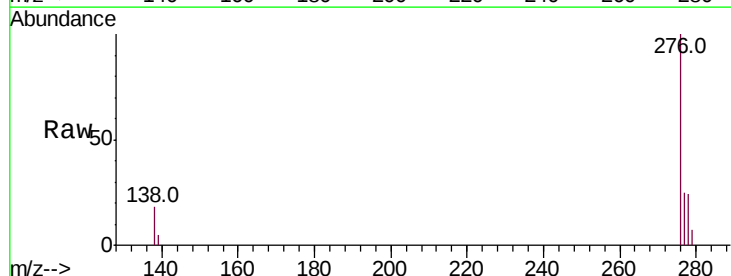
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



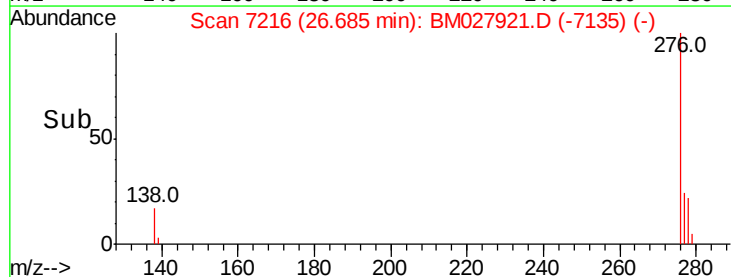
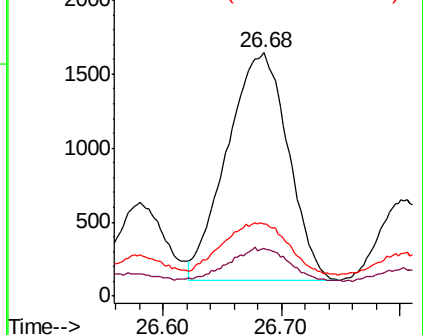
#25

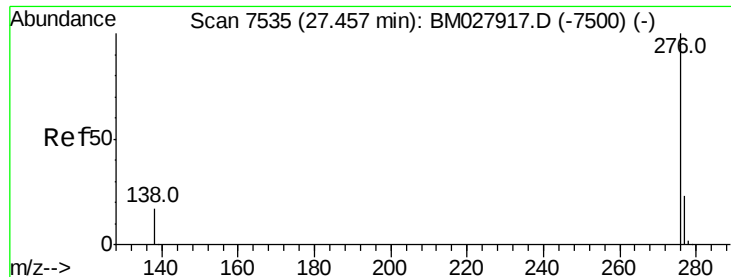
Dibenzo(a,h)anthracene
Concen: 0.631 ng/u1
RT: 26.68 min Scan# 7216
Delta R.T. -0.00 min
Lab File: BM027921.D
Acq: 23 Nov 2020 19:49

Tgt Ion:278 Resp: 5523
Ion Ratio Lower Upper
278 100
139 19.6 14.8 22.2
279 29.6 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(a,h,i)perylene

Concen: 2.177 ng/ul

RT: 27.45 min Scan# 7533

Delta R.T. -0.00 min

Lab File: BM027921.D

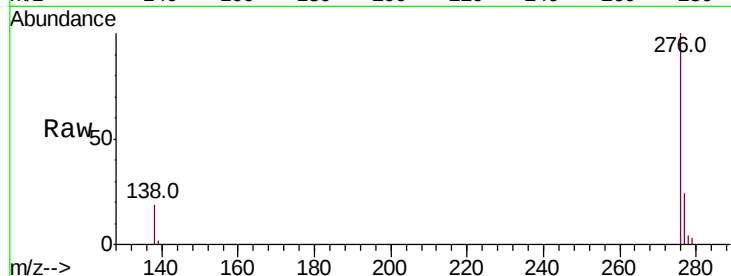
Acq: 23 Nov 2020 19:49

Instrument :

BNA_M

ClientSampleId :

C0B33DL



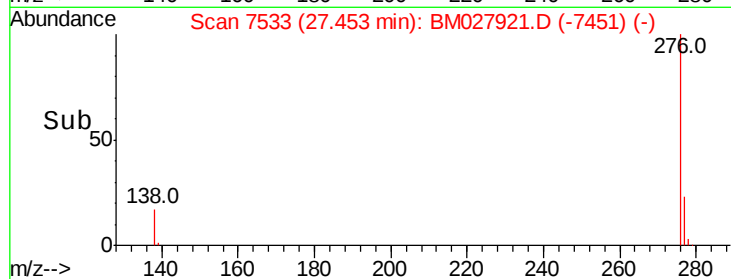
Tot Ion:276 Resp: 19208

Ion Ratio Lower Upper

276 100

138 18.6 17.4 26.2

277 24.5 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

