

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112320\
 Data File : BM027919.D
 Acq On : 23 Nov 2020 18:37
 Operator : JU/CG
 Sample : L4711-13DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0B65DL

Quant Time: Nov 24 00:45:29 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	1137	0.40	ng/ul	0.00
2) Naphthalene-d8	11.16	136	4597	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	2795	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	5477	0.40	ng/ul	0.00
16) Chrysene-d12	21.76	240	3285	0.40	ng/ul	0.00
20) Perylene-d12	24.18	264	2745	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.73	152	425	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	734	0.05	ng/ul	0.00

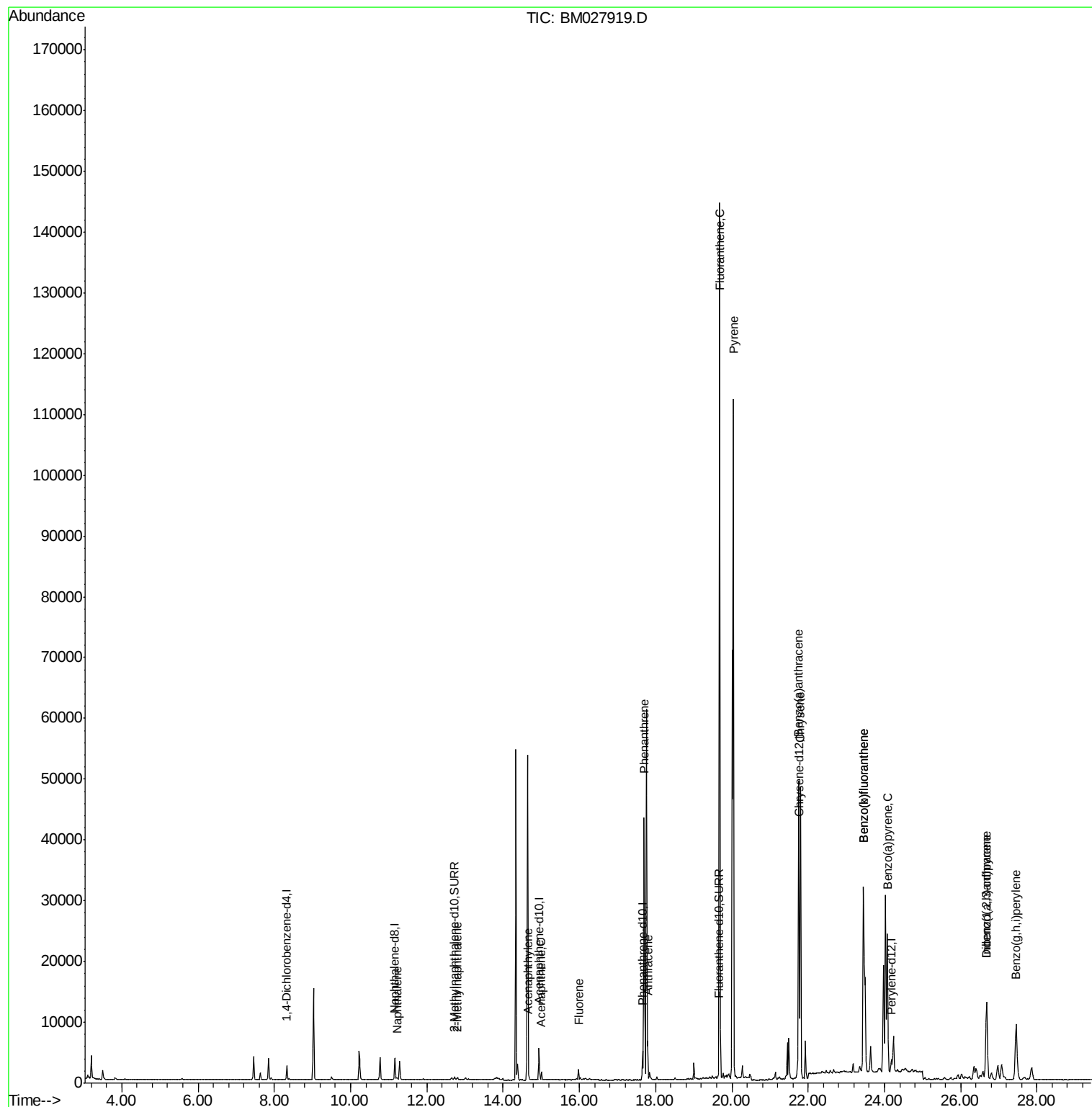
Target Compounds				Ovalue		
3) Naphthalene	11.22	128	404	0.029	ng/ul#	68
5) 2-Methylnaphthalene	12.80	142	200	0.021	ng/ul	95
7) Acenaphthylene	14.67	152	328	0.024	ng/ul#	60
8) Acenaphthene	15.00	153	729	0.071	ng/ul	97
9) Fluorene	15.98	166	1082	0.091	ng/ul#	98
12) Phenanthrene	17.70	178	43026	2.487	ng/ul	97
13) Anthracene	17.79	178	6182	0.370	ng/ul	100
15) Fluoranthene	19.68	202	117899	6.146	ng/ul	100
17) Pyrene	20.04	202	93079	5.579	ng/ul	99
18) Benzo(a)anthracene	21.75	228	41135	3.104	ng/ul	100
19) Chrysene	21.80	228	47300	3.664	ng/ul	99
21) Benzo(b)fluoranthene	23.45	252	71757	6.220	ng/ul	92
22) Benzo(k)fluoranthene	23.45	252	71755	6.352	ng/ul	92
23) Benzo(a)pyrene	24.08	252	34227	3.393	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	26.68	276	22588	2.068	ng/ul#	96
25) Dibenzo(a,h)anthracene	26.68	278	5581	0.614	ng/ul	96
26) Benzo(a,h,i)perylene	27.45	276	21509	2.348	ng/ul	94

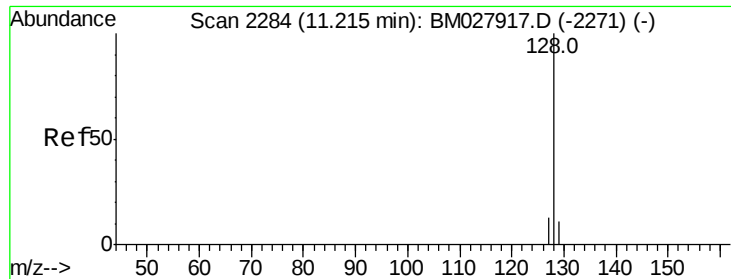
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.029 ng/ul

RT: 11.22 min Scan# 2284

Delta R.T. 0.00 min

Lab File: BM027919.D

Acq: 23 Nov 2020 18:37

Instrument :

BNA_M

ClientSampleId :

C0B65DL

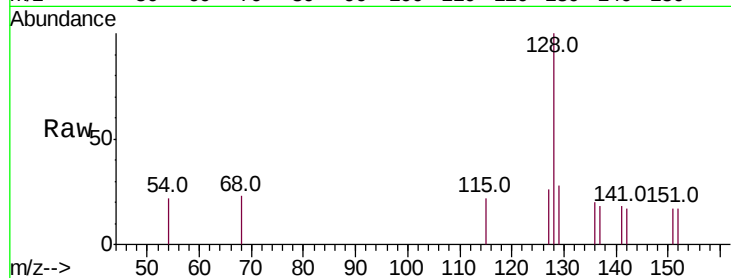
Tot Ion:128 Resp: 404

Ion Ratio Lower Upper

128 100

129 27.6 10.4 15.6#

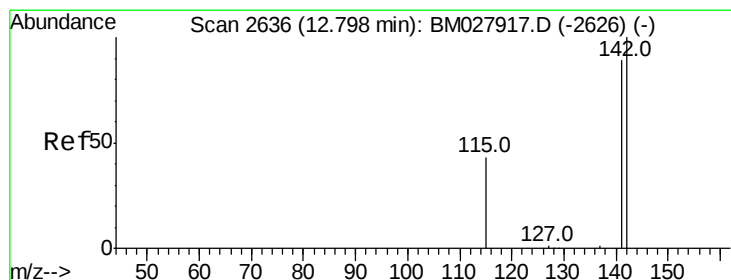
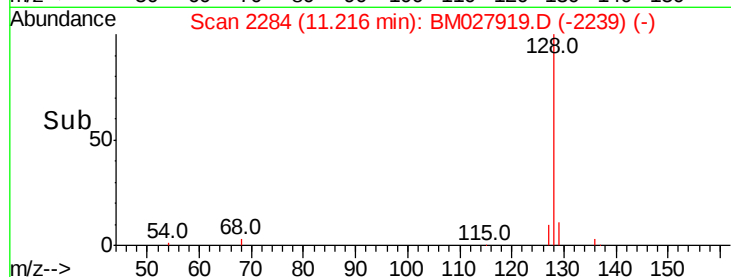
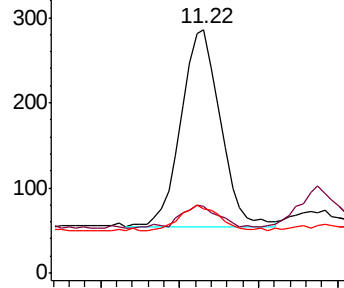
127 26.2 12.0 18.0#



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: 0.021 ng/ul

RT: 12.80 min Scan# 2636

Delta R.T. 0.00 min

Lab File: BM027919.D

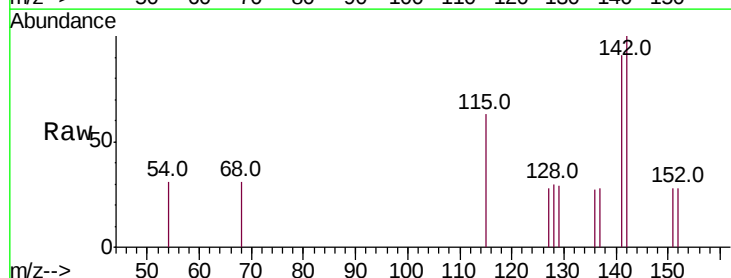
Acq: 23 Nov 2020 18:37

Tgt Ion:142 Resp: 200

Ion Ratio Lower Upper

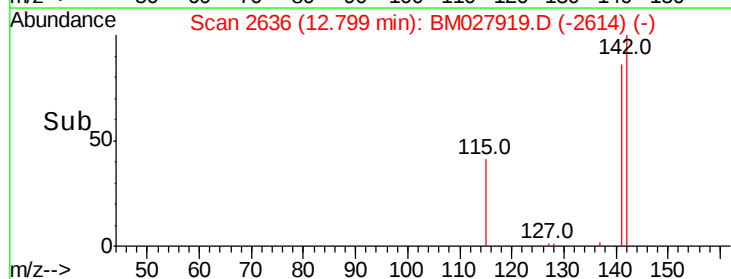
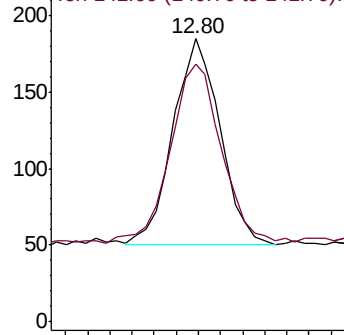
142 100

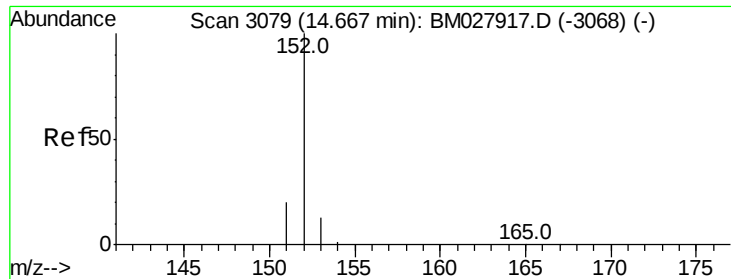
141 94.5 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.024 ng/ul

RT: 14.67 min Scan# 3080

Delta R.T. 0.00 min

Lab File: BM027919.D

Acq: 23 Nov 2020 18:37

Instrument :

BNA_M

ClientSampleId :

C0B65DL

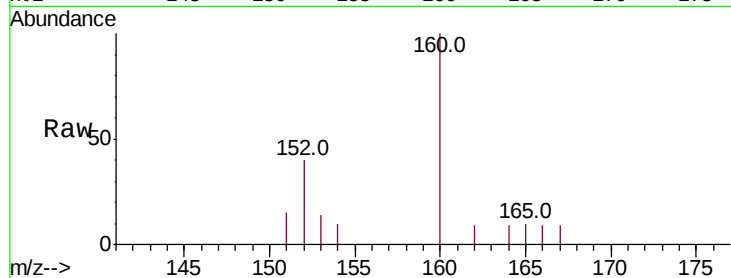
Tot Ion:152 Resp: 328

Ion Ratio Lower Upper

152 100

151 37.6 17.1 25.7#

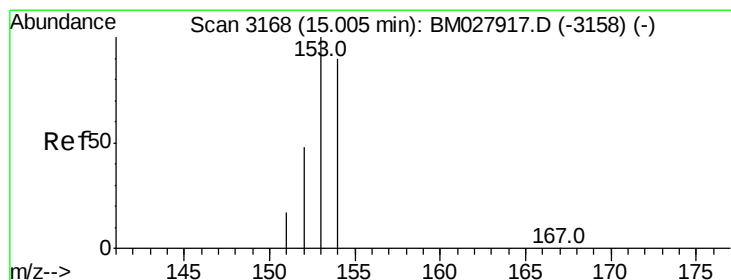
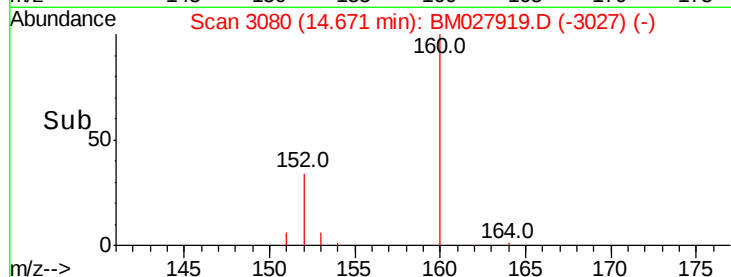
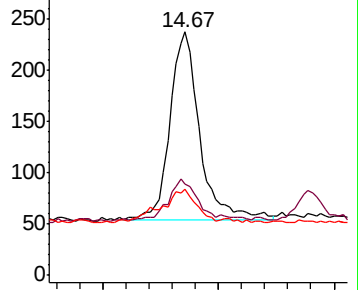
153 35.4 12.0 18.0#



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: 0.071 ng/ul

RT: 15.00 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BM027919.D

Acq: 23 Nov 2020 18:37

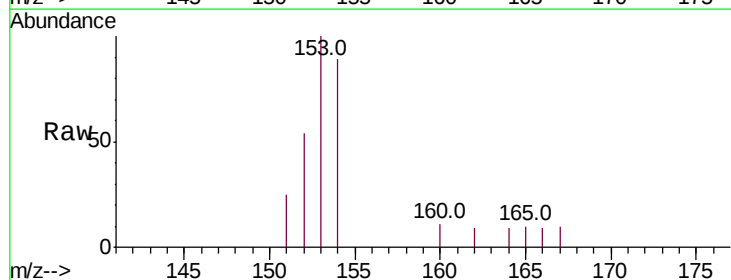
Tgt Ion:153 Resp: 729

Ion Ratio Lower Upper

153 100

152 53.9 39.0 58.6

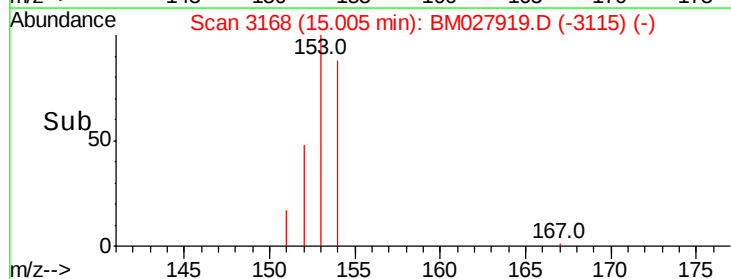
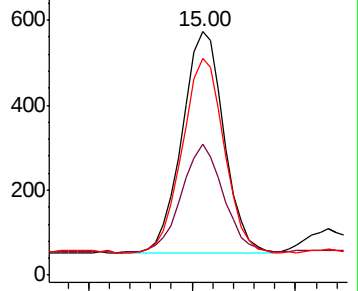
154 89.0 71.6 107.4

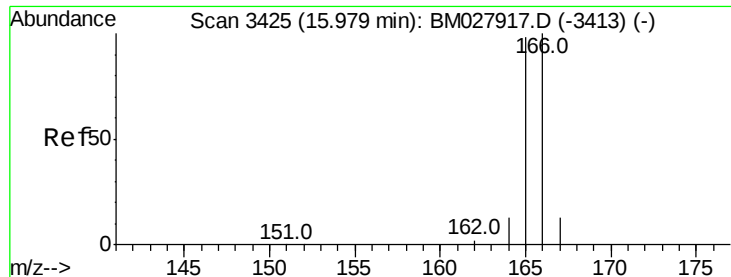


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.091 ng/ul

RT: 15.98 min Scan# 3425

Delta R.T. 0.00 min

Lab File: BM027919.D

Acq: 23 Nov 2020 18:37

Instrument :

BNA_M

ClientSampleId :

C0B65DL

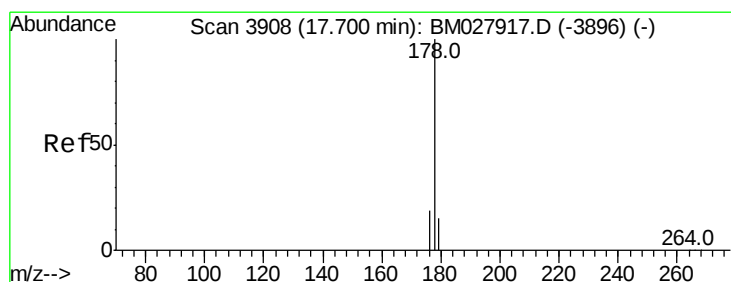
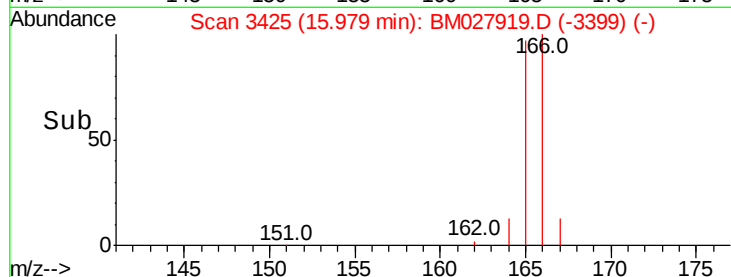
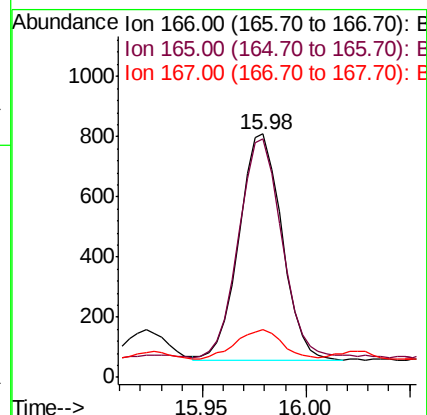
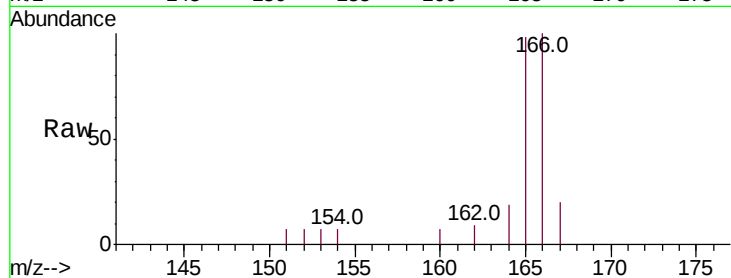
Tot Ion:166 Resp: 1082

Ion Ratio Lower Upper

166 100

165 97.9 78.1 117.1

167 19.9 11.8 17.8#



#12

Phenanthrene

Concen: 2.487 ng/ul

RT: 17.70 min Scan# 3908

Delta R.T. 0.00 min

Lab File: BM027919.D

Acq: 23 Nov 2020 18:37

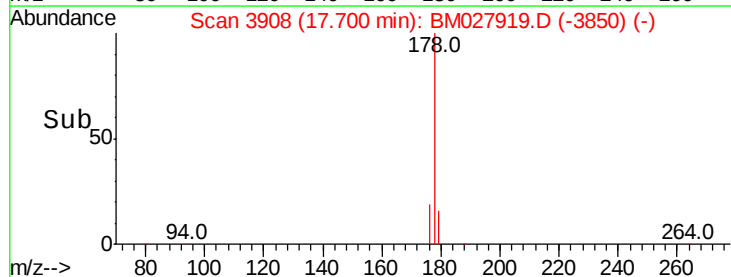
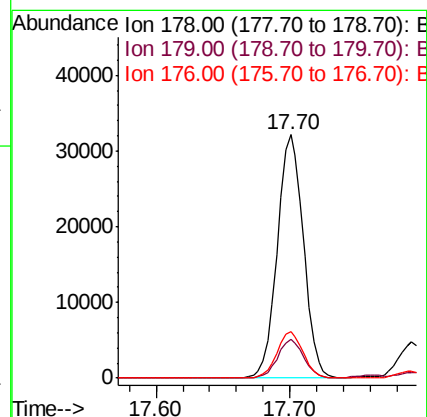
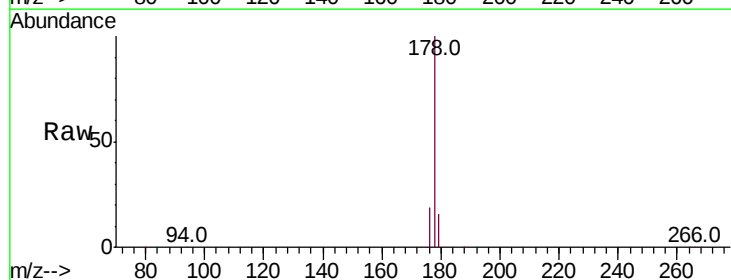
Tgt Ion:178 Resp: 43026

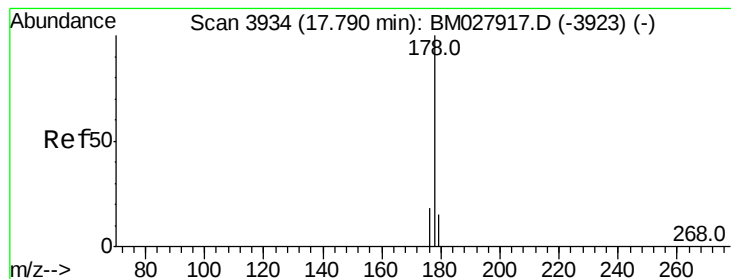
Ion Ratio Lower Upper

178 100

179 15.7 13.6 20.4

176 19.0 16.1 24.1





#13

Anthracene

Concen: 0.370 ng/ul

RT: 17.79 min Scan# 3934

Delta R.T. 0.00 min

Lab File: BM027919.D

Acq: 23 Nov 2020 18:37

Instrument :

BNA_M

ClientSampleId :

C0B65DL

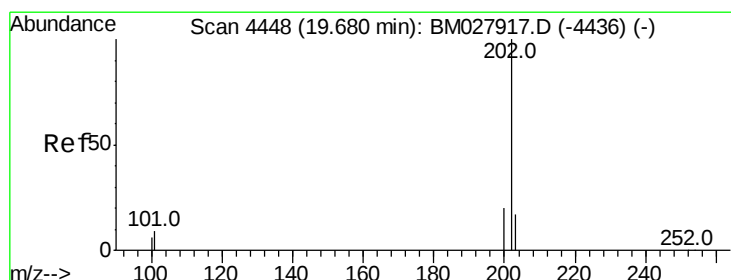
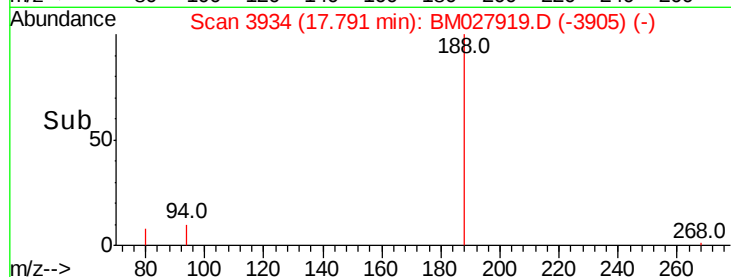
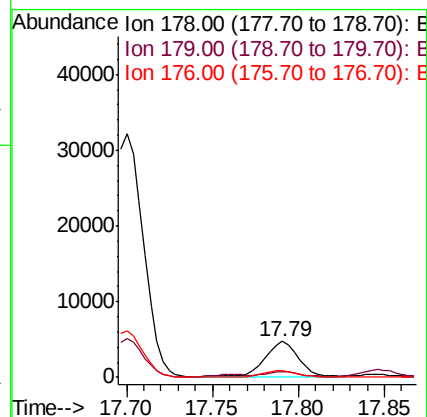
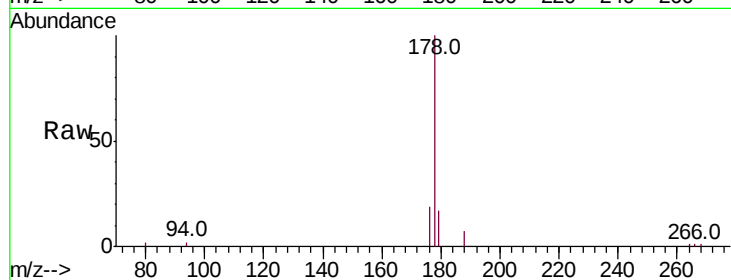
Tot Ion:178 Resp: 6182

Ion Ratio Lower Upper

178 100

179 16.7 13.4 20.2

176 18.7 15.0 22.6



#15

Fluoranthene

Concen: 6.146 ng/ul

RT: 19.68 min Scan# 4448

Delta R.T. 0.00 min

Lab File: BM027919.D

Acq: 23 Nov 2020 18:37

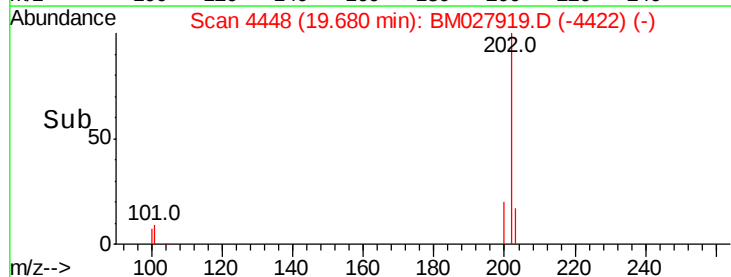
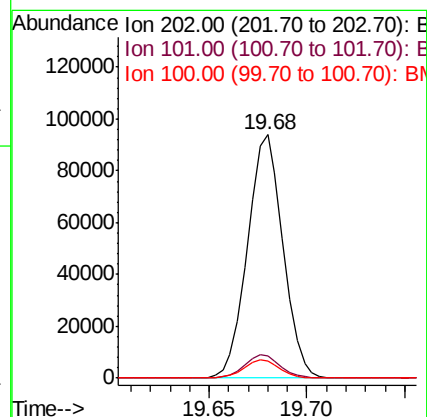
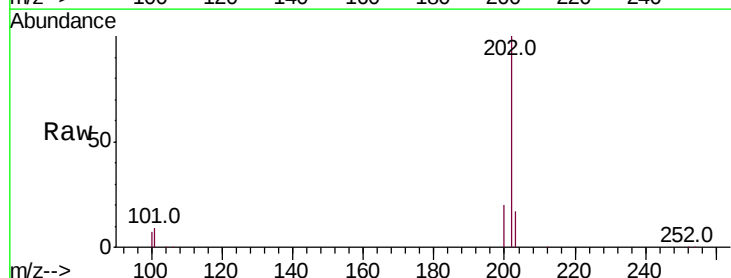
Tgt Ion:202 Resp: 117899

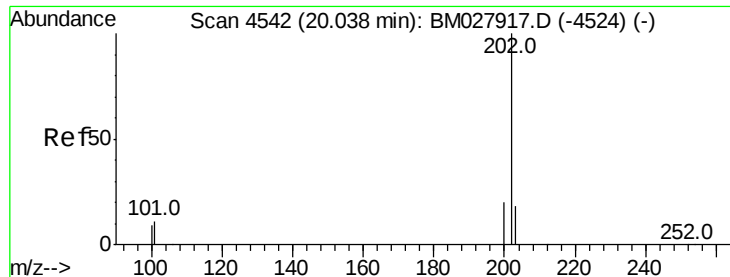
Ion Ratio Lower Upper

202 100

101 9.2 0.0 29.3

100 7.2 0.0 27.4

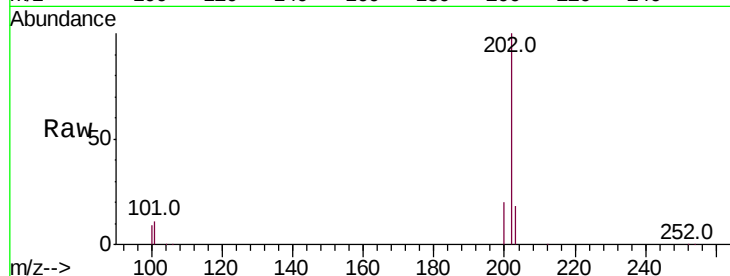




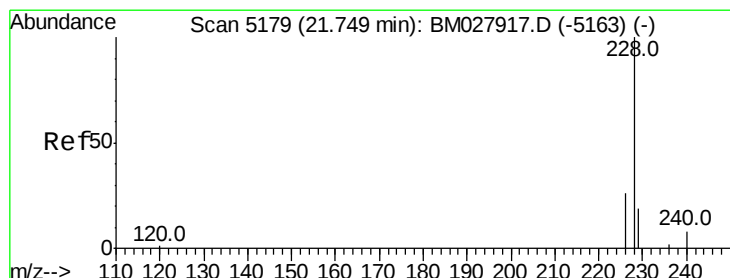
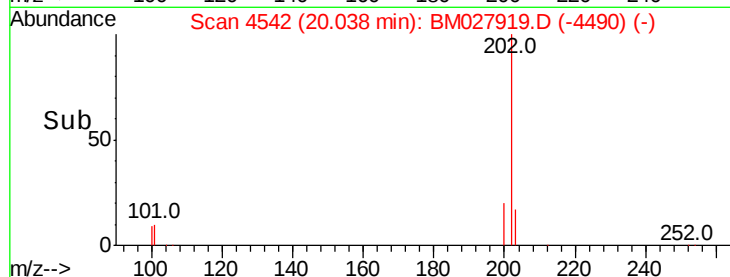
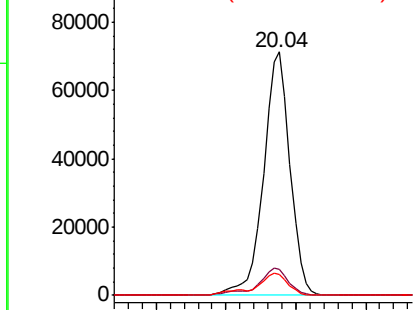
#17
Pvrene
Concen: 5.579 ng/ul
RT: 20.04 min Scan# 4542
Delta R.T. 0.00 min
Lab File: BM027919.D
Acq: 23 Nov 2020 18:37

Instrument :
BNA_M
ClientSampleId :
C0B65DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.2	12.2
100	8.7	6.9	10.3

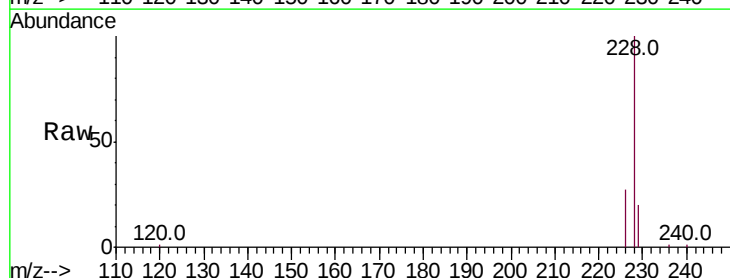


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

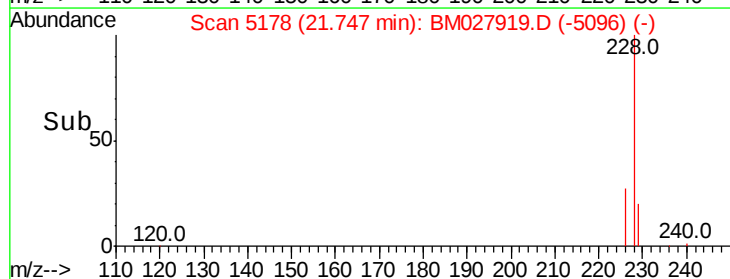
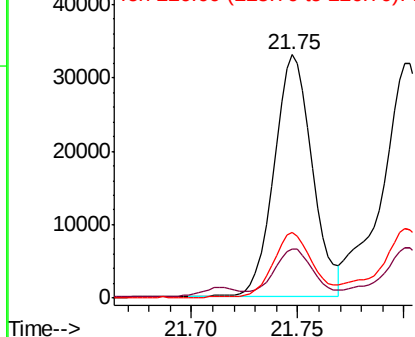


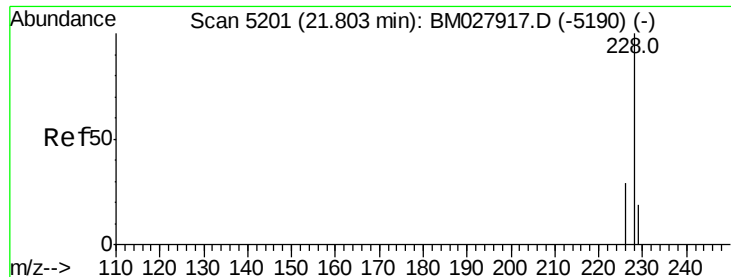
#18
Benzo(a)anthracene
Concen: 3.104 ng/ul
RT: 21.75 min Scan# 5178
Delta R.T. -0.00 min
Lab File: BM027919.D
Acq: 23 Nov 2020 18:37

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.4	16.2	24.4
226	27.0	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: 3.664 ng/ul

RT: 21.80 min Scan# 5200

Delta R.T. -0.00 min

Lab File: BM027919.D

Acq: 23 Nov 2020 18:37

Instrument :

BNA_M

ClientSampleId :

C0B65DL

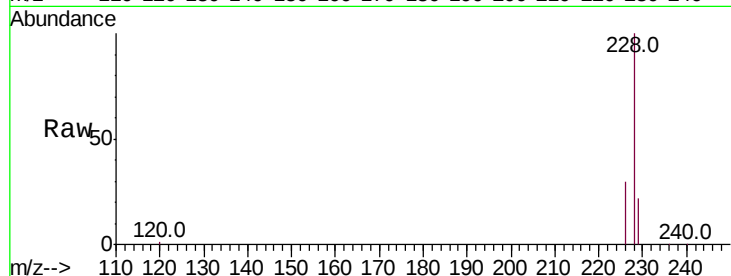
Tot Ion:228 Resp: 47300

Ion Ratio Lower Upper

228 100

226 29.6 24.1 36.1

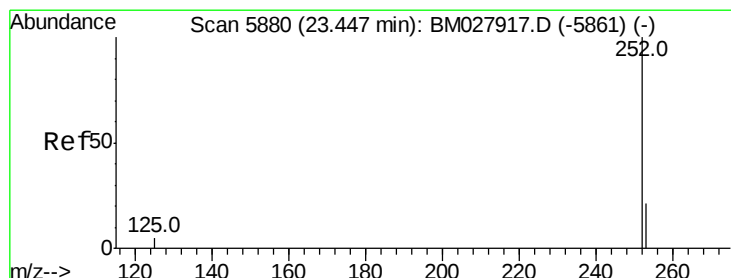
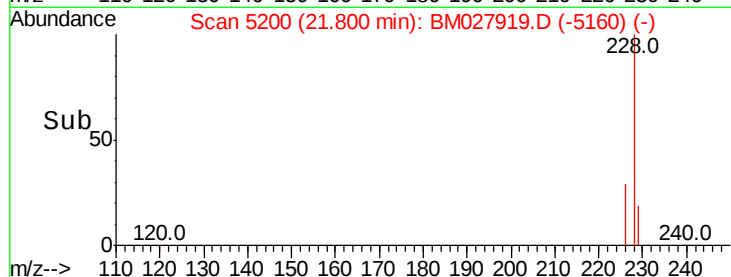
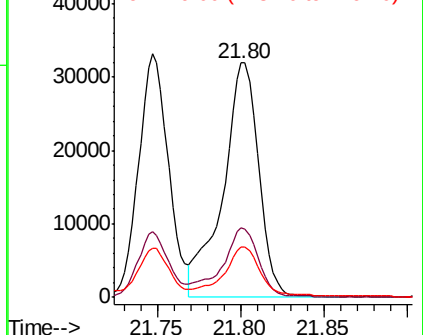
229 21.5 16.6 24.8



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: 6.220 ng/ul

RT: 23.45 min Scan# 5881

Delta R.T. 0.00 min

Lab File: BM027919.D

Acq: 23 Nov 2020 18:37

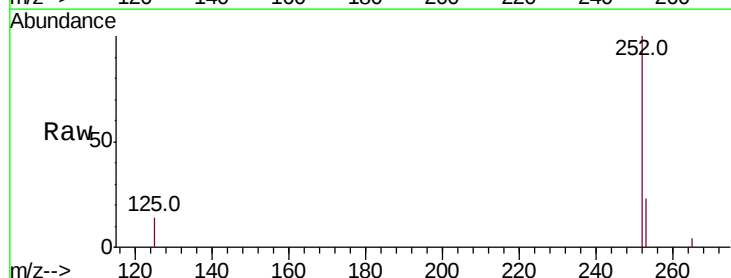
Tgt Ion:252 Resp: 71757

Ion Ratio Lower Upper

252 100

253 23.4 0.0 59.6

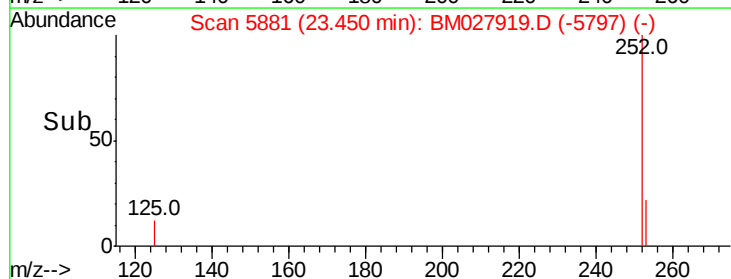
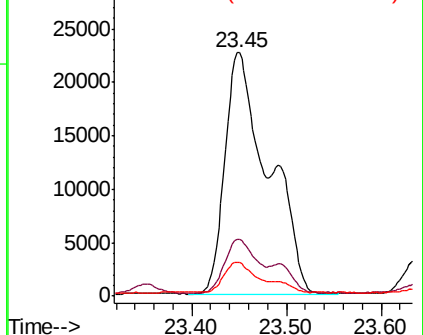
125 13.8 0.0 28.4

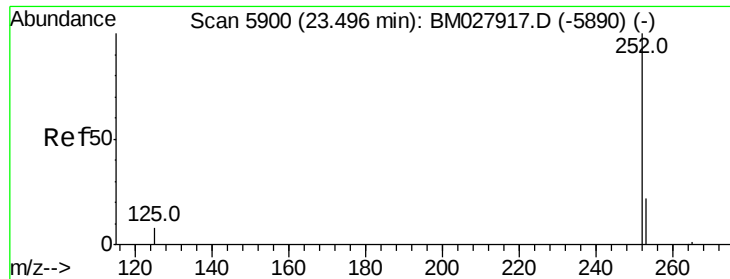


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 6.352 ng/ul

RT: 23.45 min Scan# 5881

Delta R.T. -0.04 min

Lab File: BM027919.D

Acq: 23 Nov 2020 18:37

Instrument :

BNA_M

ClientSampleId :

C0B65DL

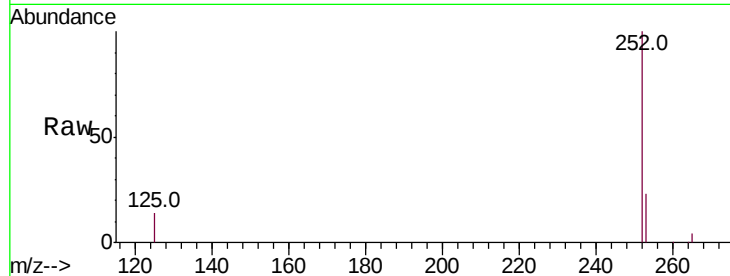
Tot Ion:252 Resp: 71755

Ion Ratio Lower Upper

252 100

253 23.4 23.2 34.8

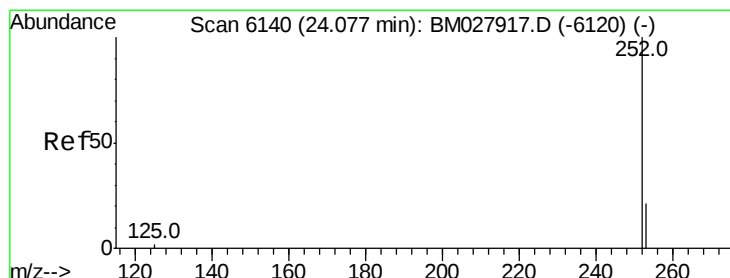
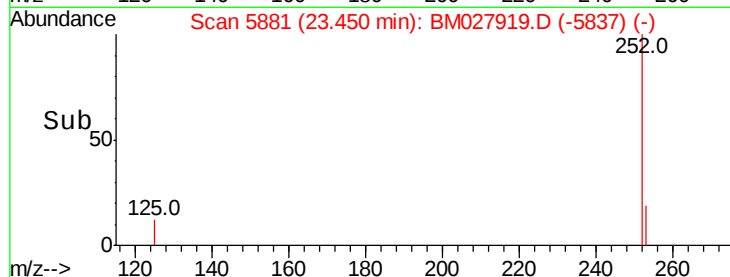
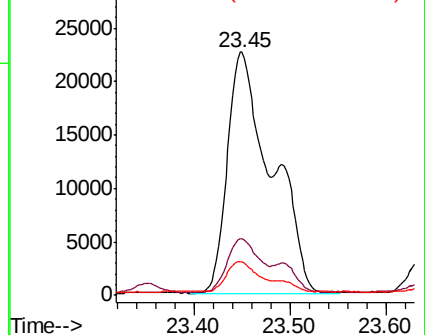
125 13.8 11.8 17.6



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: 3.393 ng/ul

RT: 24.08 min Scan# 6140

Delta R.T. 0.00 min

Lab File: BM027919.D

Acq: 23 Nov 2020 18:37

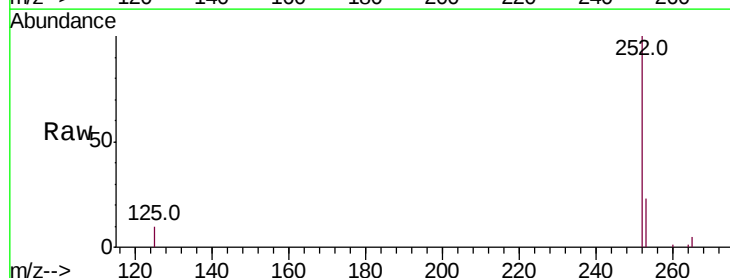
Tgt Ion:252 Resp: 34227

Ion Ratio Lower Upper

252 100

253 23.1 25.2 37.8#

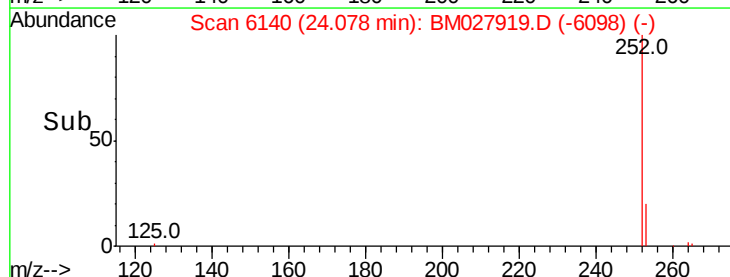
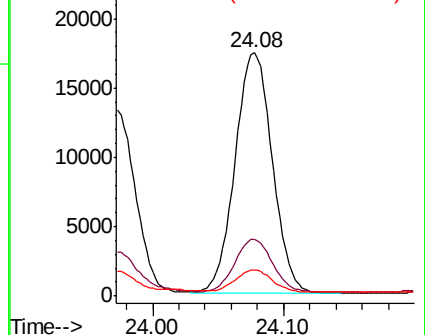
125 10.5 13.8 20.6#

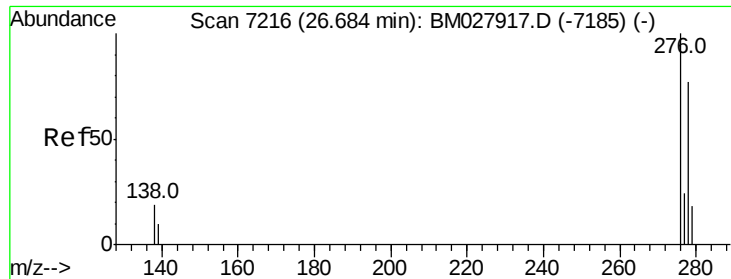


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



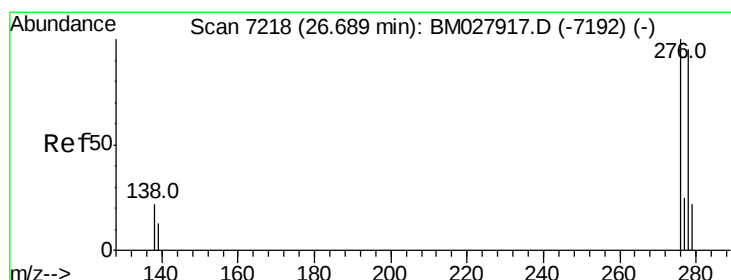
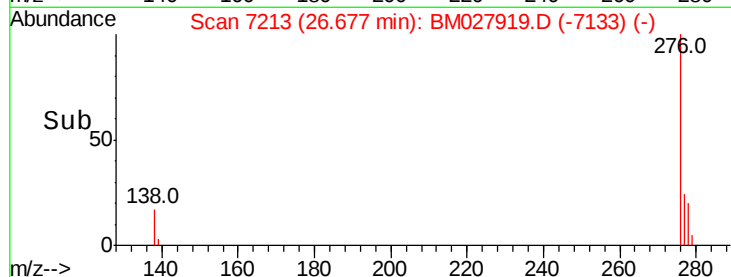
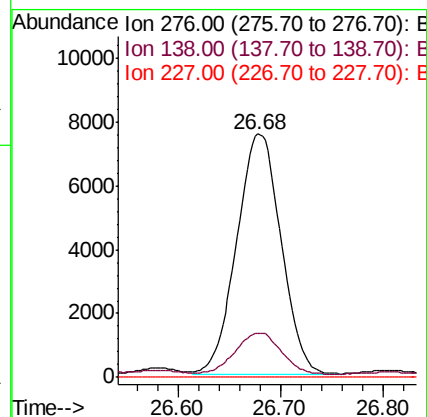
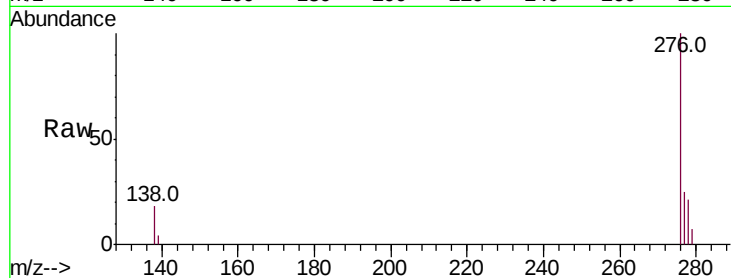


#24

Indeno(1,2,3-cd)pyrene
Concen: 2.068 ng/uL
RT: 26.68 min Scan# 7213
Delta R.T. -0.01 min
Lab File: BM027919.D
Acq: 23 Nov 2020 18:37

Instrument :
BNA_M
ClientSampleId :
C0B65DL

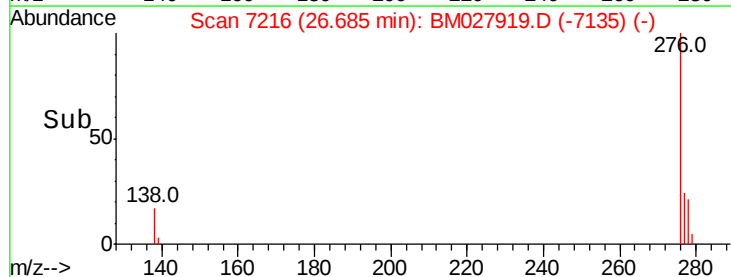
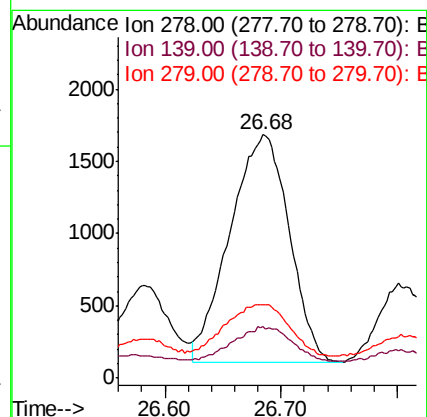
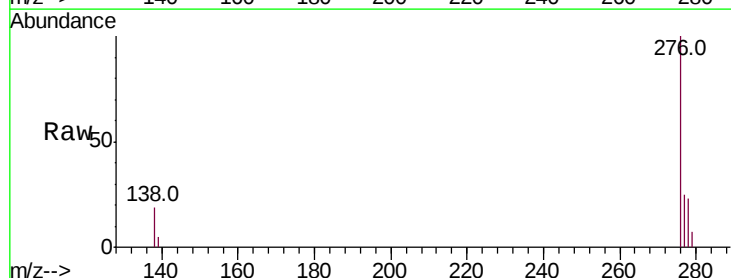
Tot Ion:276 Resp: 22588
Ion Ratio Lower Upper
276 100
138 17.7 15.7 23.5
227 0.0 0.0 0.0

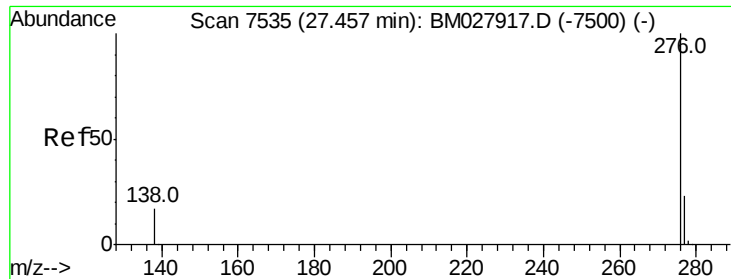


#25

Dibenzo(a,h)anthracene
Concen: 0.614 ng/uL
RT: 26.68 min Scan# 7216
Delta R.T. -0.00 min
Lab File: BM027919.D
Acq: 23 Nov 2020 18:37

Tgt Ion:278 Resp: 5581
Ion Ratio Lower Upper
278 100
139 21.0 14.8 22.2
279 30.2 25.8 38.6





#26

Benzo(a,h,i)perylene

Concen: 2.348 ng/ul

RT: 27.45 min Scan# 7534

Delta R.T. 0.00 min

Lab File: BM027919.D

Acq: 23 Nov 2020 18:37

Instrument :

BNA_M

ClientSampleId :

C0B65DL

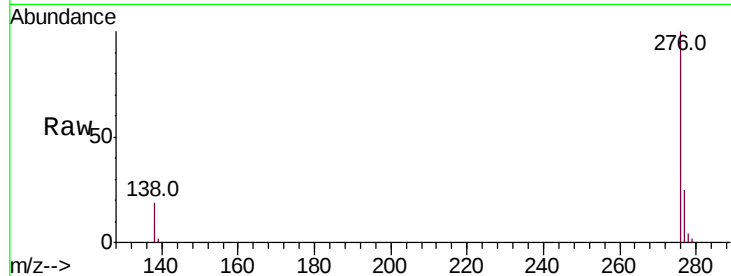
Tot Ion:276 Resp: 21509

Ion Ratio Lower Upper

276 100

138 18.6 17.4 26.2

277 24.8 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

