

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112320\
 Data File : BM027952.D
 Acq On : 24 Nov 2020 20:45
 Operator : JU/CG
 Sample : L4749-18DL 5X
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0B17DL

Quant Time: Nov 25 00:50:24 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 15:00:24 2020
 Response via : Initial Calibration

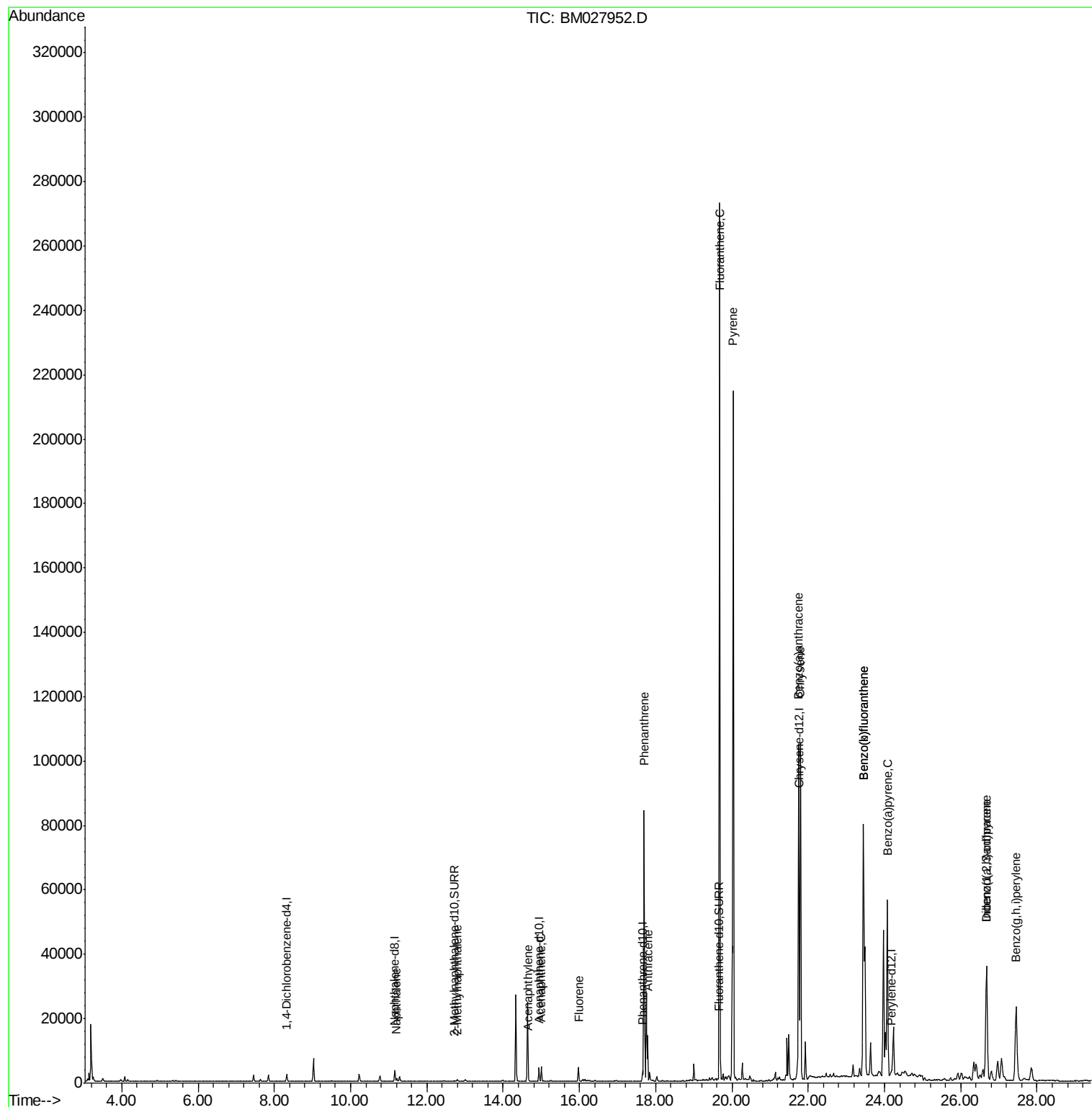
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.32	152	1076	0.40	ng/ul	0.00
2) Naphthalene-d8	11.16	136	4279	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	2352	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	4117	0.40	ng/ul	0.00
16) Chrysene-d12	21.76	240	2263	0.40	ng/ul	0.00
20) Perylene-d12	24.18	264	2413	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.72	152	198	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	264	0.02	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	11.21	128	946	0.074	ng/ul#	88
5) 2-Methylnaphthalene	12.79	142	339	0.039	ng/ul	99
7) Acenaphthylene	14.67	152	572	0.050	ng/ul#	73
8) Acenaphthene	15.00	153	2576	0.300	ng/ul	98
9) Fluorene	15.98	166	2786	0.279	ng/ul	99
12) Phenanthrene	17.70	178	86777	6.672	ng/ul	97
13) Anthracene	17.79	178	14442	1.151	ng/ul	99
15) Fluoranthene	19.68	202	225564	15.642	ng/ul	99
17) Pyrene	20.03	202	177653	15.457	ng/ul	98
18) Benzo(a)anthracene	21.74	228	88808	9.726	ng/ul	100
19) Chrysene	21.80	228	106216	11.943	ng/ul	99
21) Benzo(b)fluoranthene	23.45	252	182360	17.983	ng/ul	87
22) Benzo(k)fluoranthene	23.45	252	182337	18.360	ng/ul#	88
23) Benzo(a)pyrene	24.08	252	80448	9.073	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.67	276	60570	6.309	ng/ul#	97
25) Dibenzo(a,h)anthracene	26.67	278	15672	1.961	ng/ul	93
26) Benzo(a,h,i)perylene	27.45	276	52580	6.528	ng/ul	94

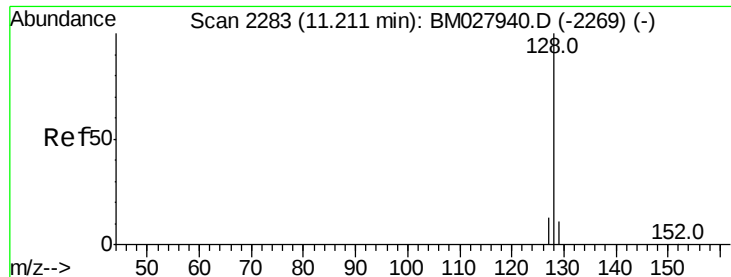
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Naphthalene

Concen: 0.074 ng/ul

RT: 11.21 min Scan# 2282

Delta R.T. -0.00 min

Lab File: BM027952.D

Acq: 24 Nov 2020 20:45

Instrument :

BNA_M

ClientSampleId :

C0B17DL

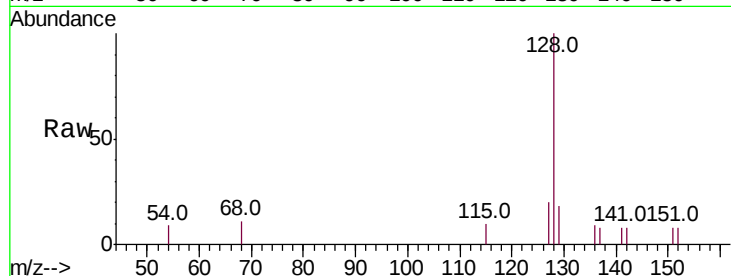
Tot Ion:128 Resp: 946

Ion Ratio Lower Upper

128 100

129 17.9 10.4 15.6#

127 20.1 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

11.21

600

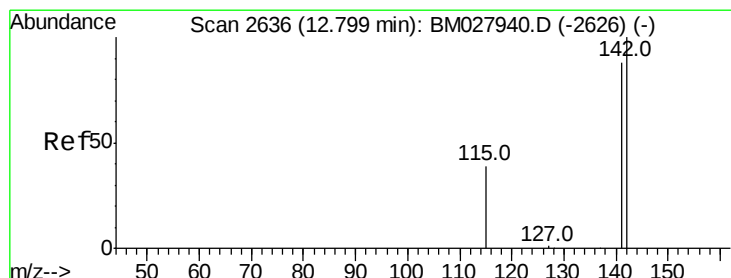
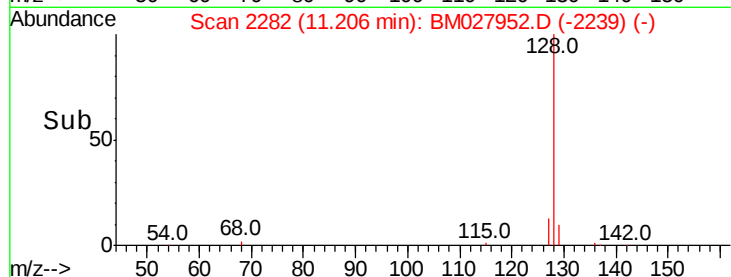
400

200

0

11.15 11.20 11.25

Time-->



#5

2-Methylnaphthalene

Concen: 0.039 ng/ul

RT: 12.79 min Scan# 2635

Delta R.T. -0.00 min

Lab File: BM027952.D

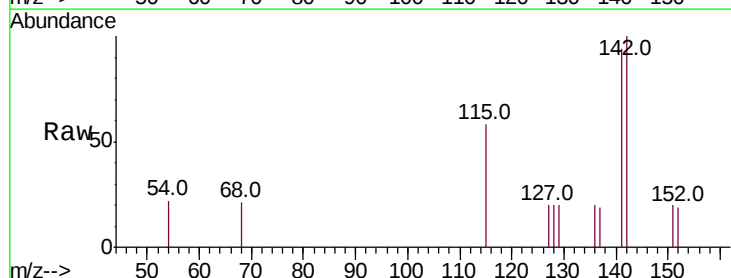
Acq: 24 Nov 2020 20:45

Tgt Ion:142 Resp: 339

Ion Ratio Lower Upper

142 100

141 88.8 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.79

300

250

200

150

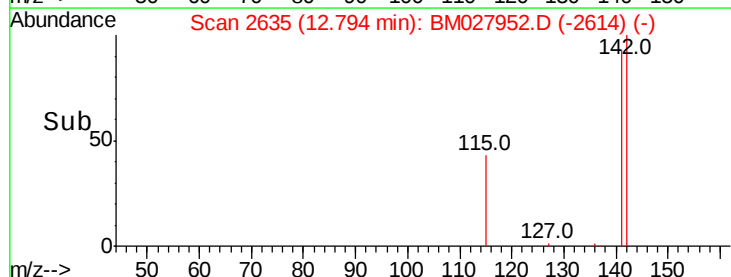
100

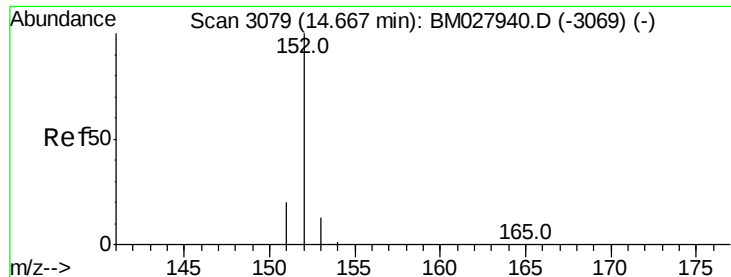
50

0

12.70 12.75 12.80 12.85

Time-->





#7

Acenaphthylene

Concen: 0.050 ng/ul

RT: 14.67 min Scan# 3079

Delta R.T. -0.00 min

Lab File: BM027952.D

Acq: 24 Nov 2020 20:45

Instrument :

BNA_M

ClientSampleId :

C0B17DL

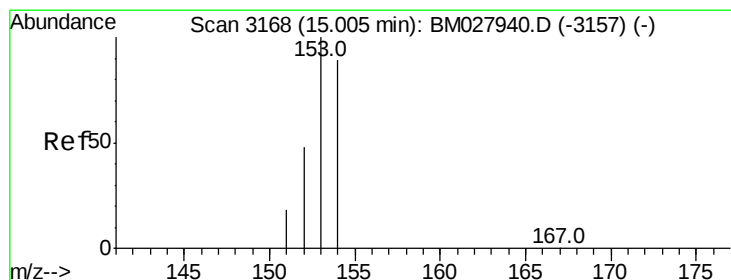
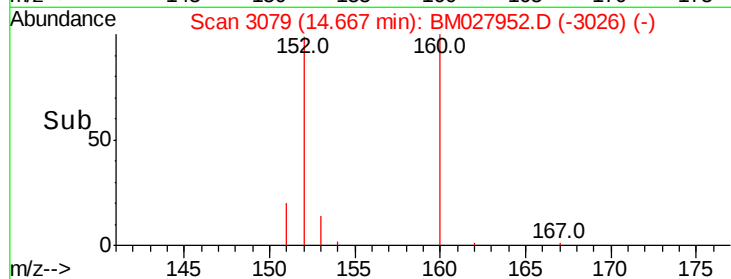
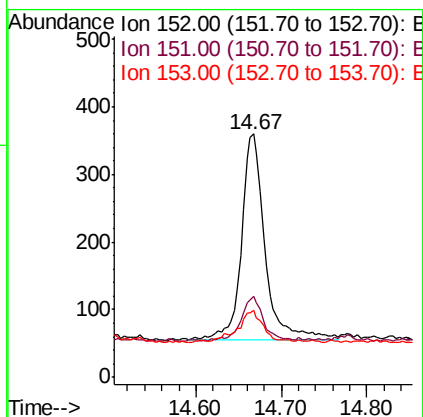
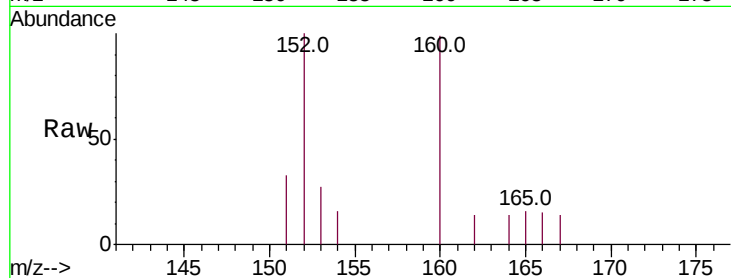
Tot Ion:152 Resp: 572

Ion Ratio Lower Upper

152 100

151 33.1 17.1 25.7#

153 27.2 12.0 18.0#



#8

Acenaphthene

Concen: 0.300 ng/ul

RT: 15.00 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BM027952.D

Acq: 24 Nov 2020 20:45

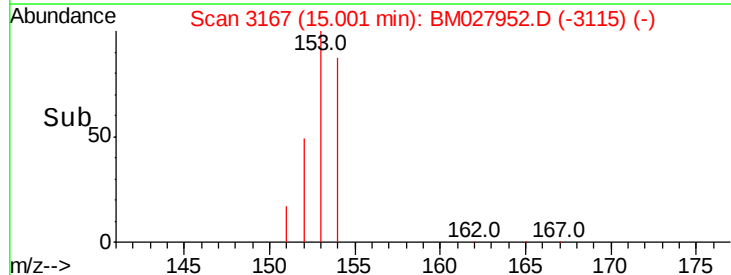
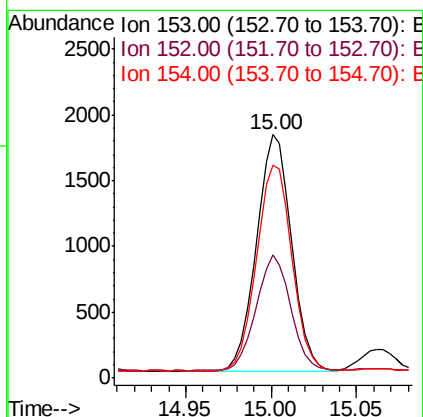
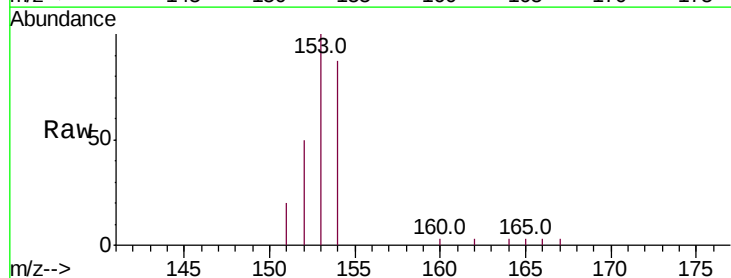
Tgt Ion:153 Resp: 2576

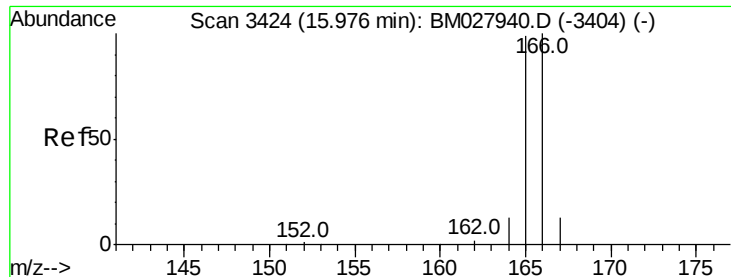
Ion Ratio Lower Upper

153 100

152 50.4 39.0 58.6

154 87.3 71.6 107.4





#9

Fluorene

Concen: 0.279 ng/ul

RT: 15.98 min Scan# 3424

Delta R.T. -0.00 min

Lab File: BM027952.D

Acq: 24 Nov 2020 20:45

Instrument :

BNA_M

ClientSampleId :

C0B17DL

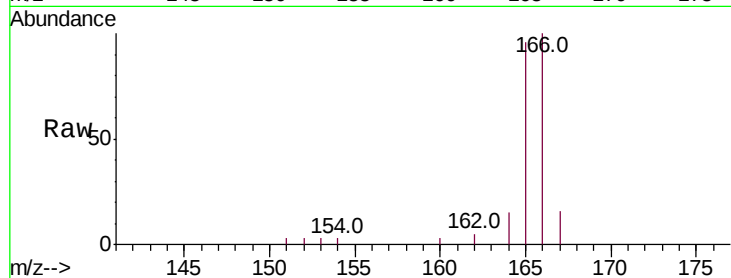
Tot Ion:166 Resp: 2786

Ion Ratio Lower Upper

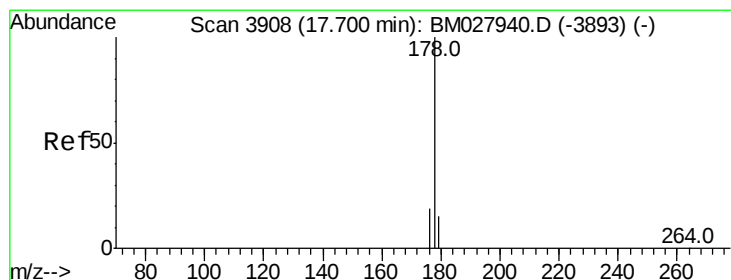
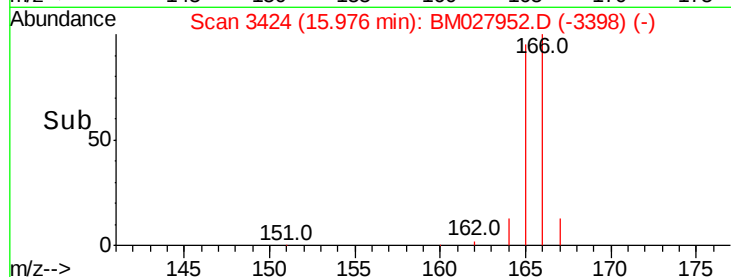
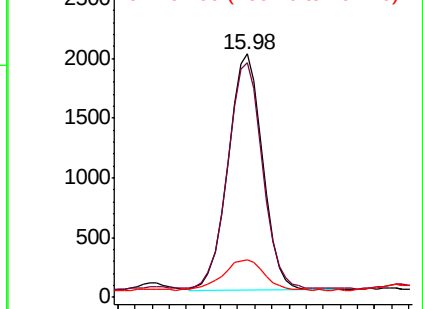
166 100

165 96.4 78.1 117.1

167 15.6 11.8 17.8



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#12

Phenanthrene

Concen: 6.672 ng/ul

RT: 17.70 min Scan# 3907

Delta R.T. -0.00 min

Lab File: BM027952.D

Acq: 24 Nov 2020 20:45

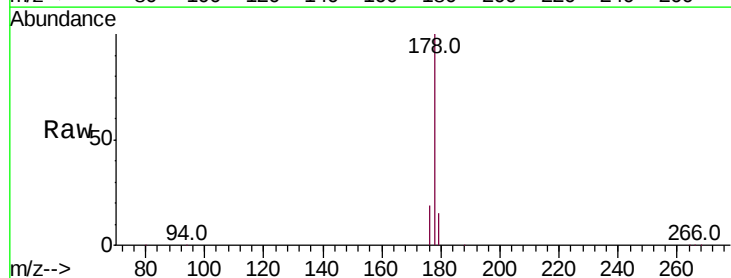
Tgt Ion:178 Resp: 86777

Ion Ratio Lower Upper

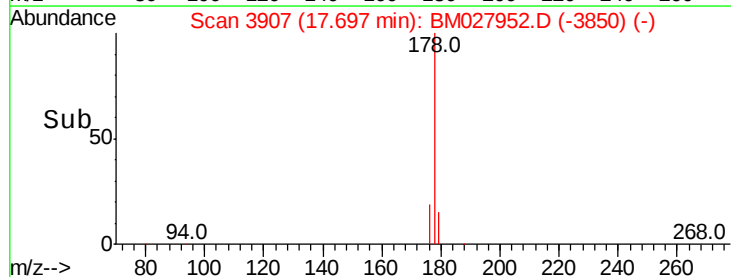
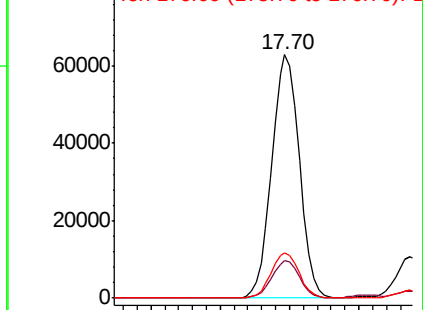
178 100

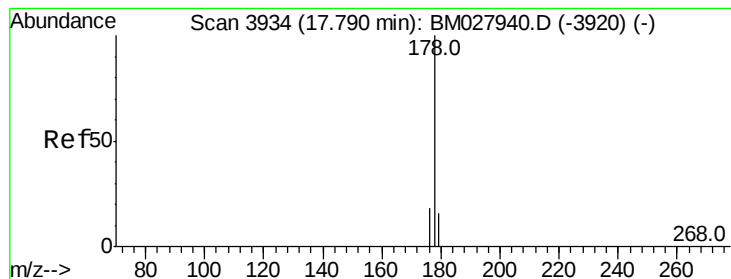
179 15.4 13.6 20.4

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: 1.151 ng/ul

RT: 17.79 min Scan# 3933

Delta R.T. -0.00 min

Lab File: BM027952.D

Acq: 24 Nov 2020 20:45

Instrument :

BNA_M

ClientSampleId :

C0B17DL

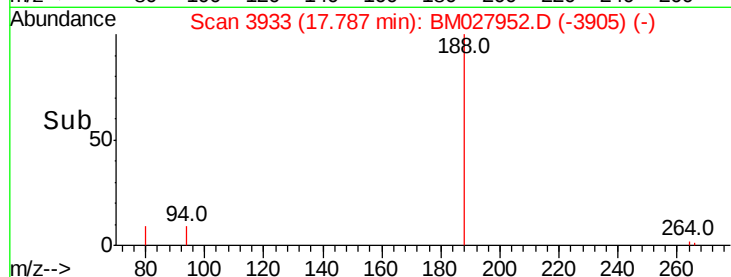
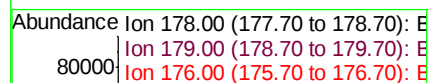
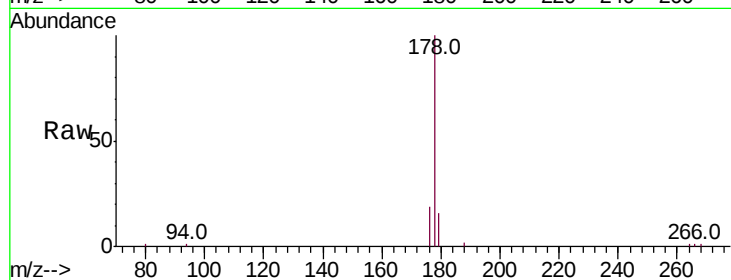
Tot Ion:178 Resp: 14442

Ion Ratio Lower Upper

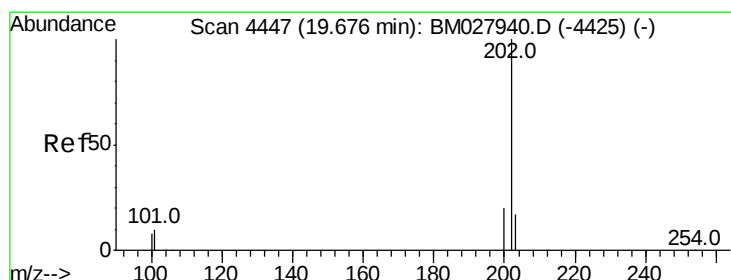
178 100

179 16.1 13.4 20.2

176 18.7 15.0 22.6



Time-->



#15

Fluoranthene

Concen: 15.642 ng/ul

RT: 19.68 min Scan# 4447

Delta R.T. -0.00 min

Lab File: BM027952.D

Acq: 24 Nov 2020 20:45

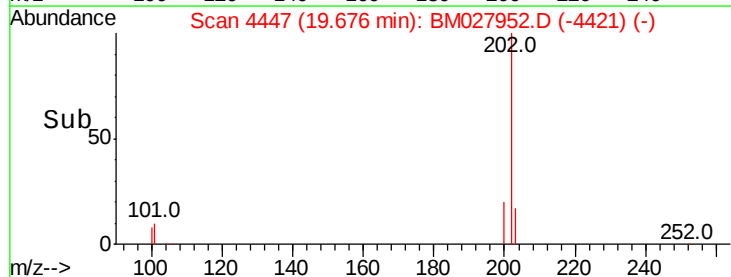
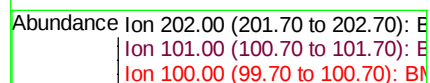
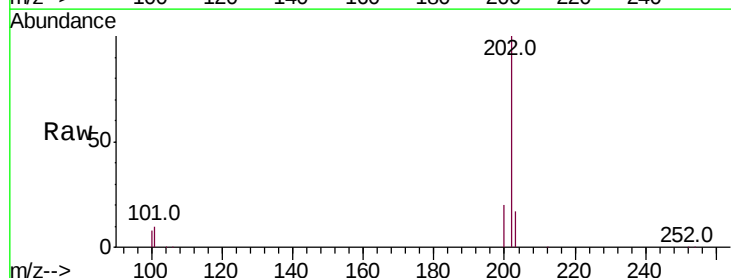
Tgt Ion:202 Resp: 225564

Ion Ratio Lower Upper

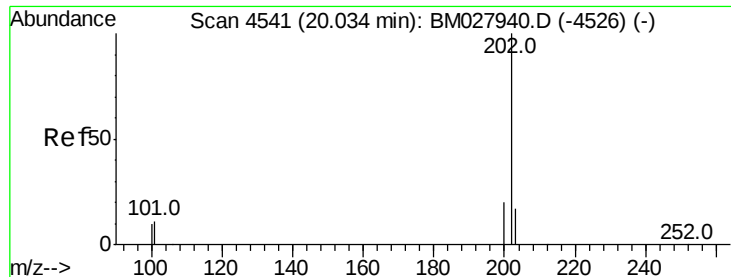
202 100

101 9.9 0.0 29.3

100 7.7 0.0 27.4



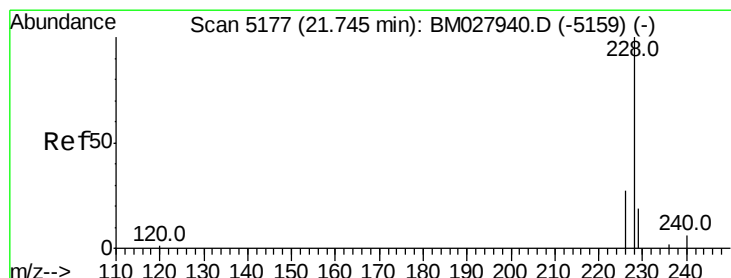
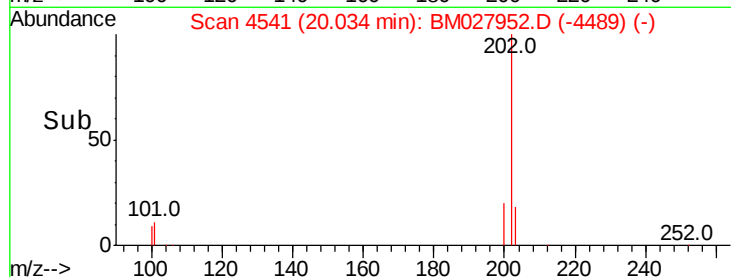
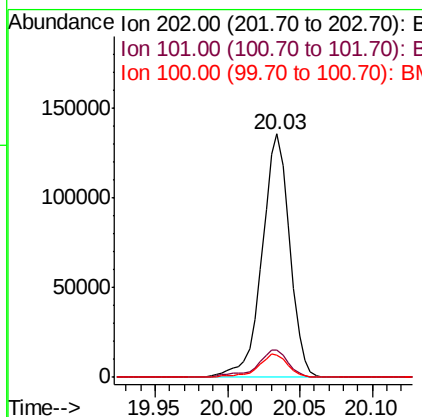
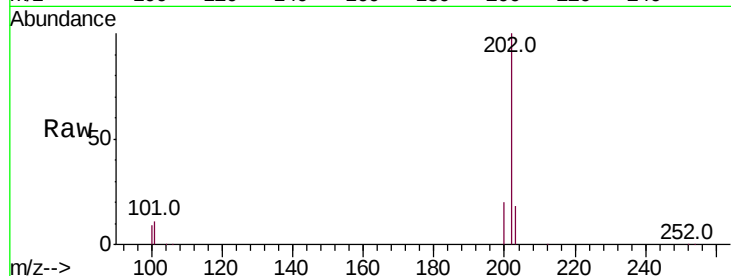
Time-->



#17
Pvrene
Concen: 15.457 ng/ul
RT: 20.03 min Scan# 4541
Delta R.T. -0.00 min
Lab File: BM027952.D
Acq: 24 Nov 2020 20:45

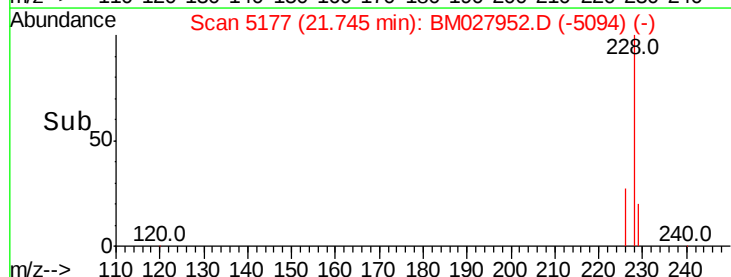
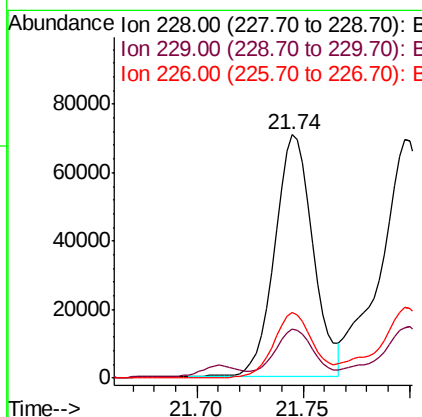
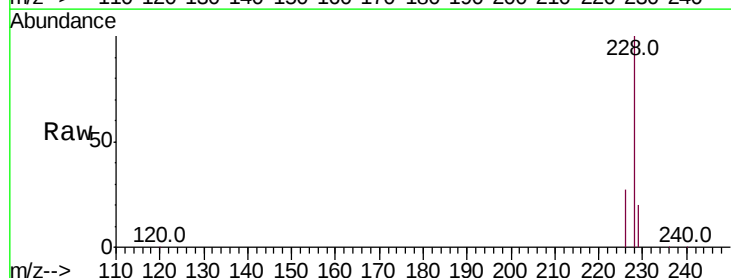
Instrument :
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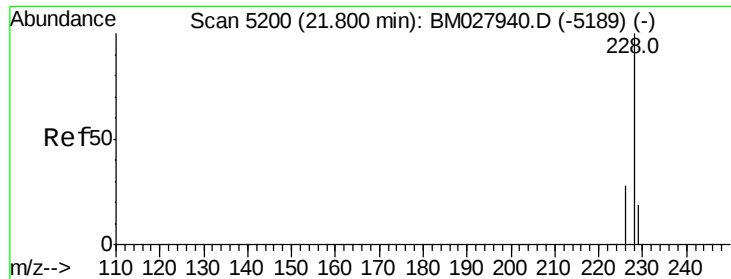
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.2	8.2	12.2
100	9.2	6.9	10.3



#18
Benzo(a)anthracene
Concen: 9.726 ng/ul
RT: 21.74 min Scan# 5177
Delta R.T. -0.00 min
Lab File: BM027952.D
Acq: 24 Nov 2020 20:45

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.2	16.2	24.4
226	26.8	21.5	32.3





#19

Chrysene

Concen: 11.943 ng/ul

RT: 21.80 min Scan# 5199

Delta R.T. -0.00 min

Lab File: BM027952.D

Acq: 24 Nov 2020 20:45

Instrument :

BNA_M

ClientSampleId :

C0B17DL

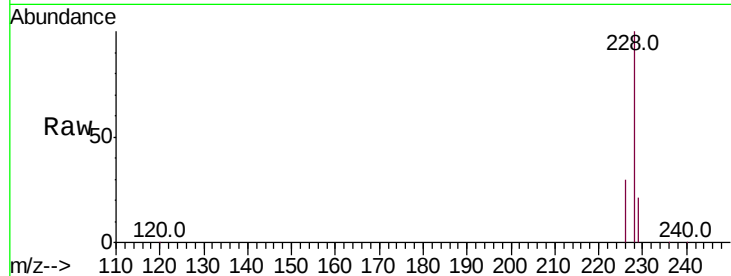
Tot Ion:228 Resp: 106216

Ion Ratio Lower Upper

228 100

226 29.5 24.1 36.1

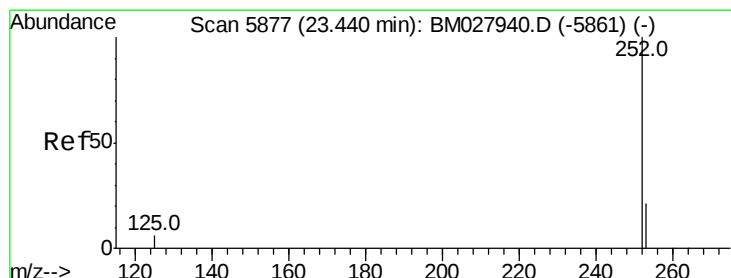
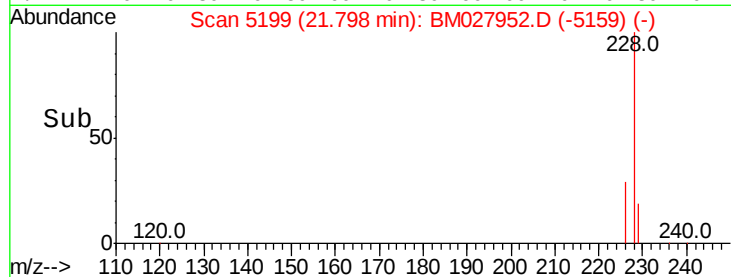
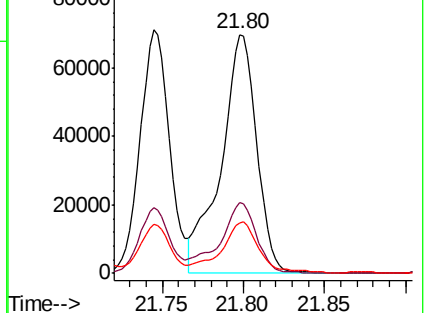
229 21.3 16.6 24.8



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: 17.983 ng/ul

RT: 23.45 min Scan# 5879

Delta R.T. 0.00 min

Lab File: BM027952.D

Acq: 24 Nov 2020 20:45

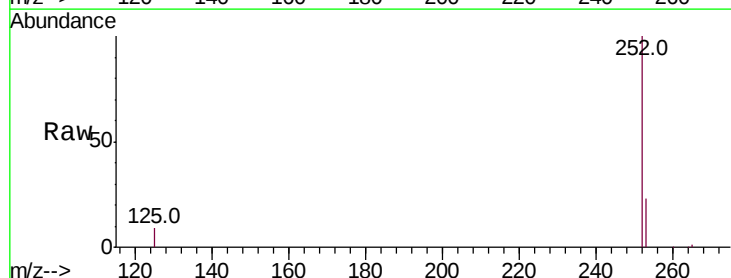
Tgt Ion:252 Resp: 182360

Ion Ratio Lower Upper

252 100

253 22.8 0.0 59.6

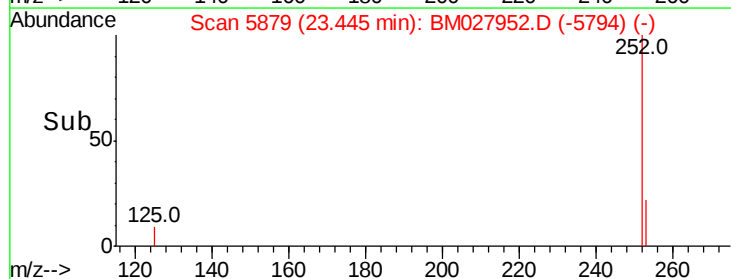
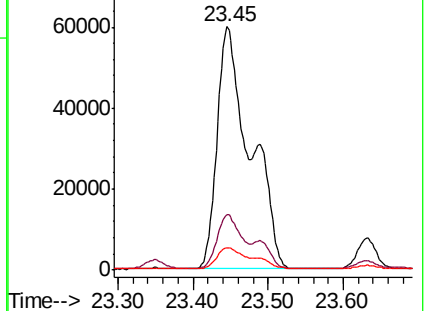
125 9.2 0.0 28.4

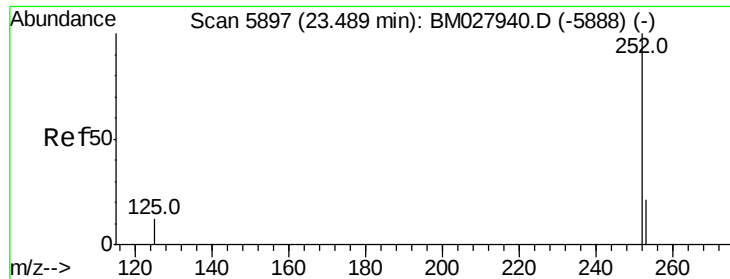


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 18.360 ng/ul

RT: 23.45 min Scan# 5879

Delta R.T. -0.04 min

Lab File: BM027952.D

Acq: 24 Nov 2020 20:45

Instrument :

BNA_M

ClientSampleId :

C0B17DL

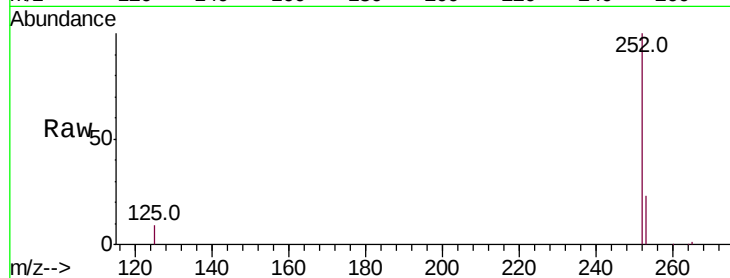
Tot Ion:252 Resp: 182337

Ion Ratio Lower Upper

252 100

253 22.8 23.2 34.8#

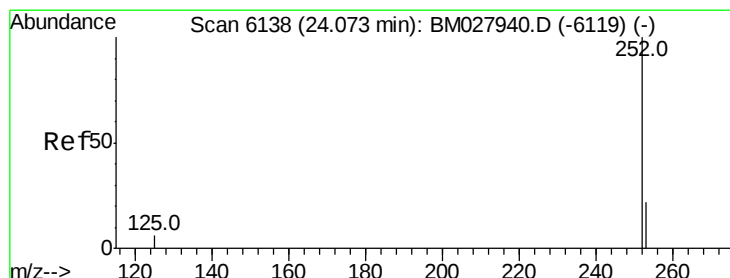
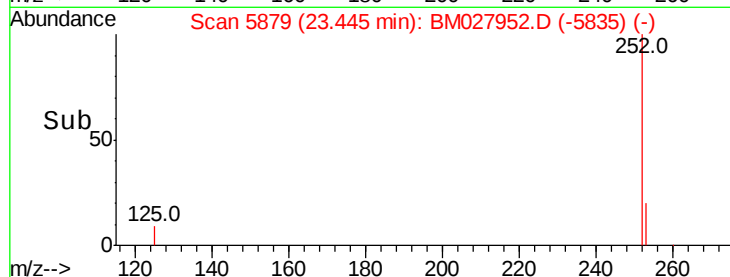
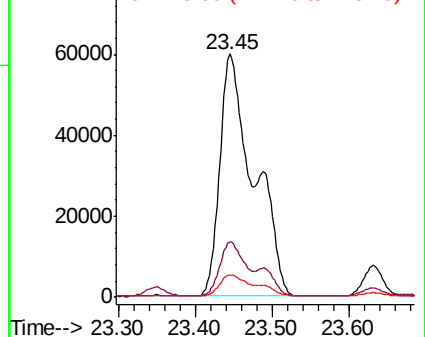
125 9.2 11.8 17.6#



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: 9.073 ng/ul

RT: 24.08 min Scan# 6139

Delta R.T. 0.00 min

Lab File: BM027952.D

Acq: 24 Nov 2020 20:45

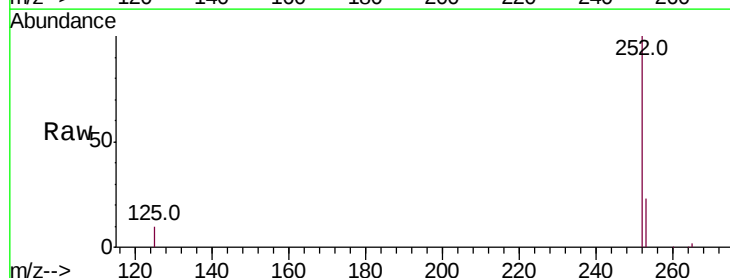
Tgt Ion:252 Resp: 80448

Ion Ratio Lower Upper

252 100

253 22.6 25.2 37.8#

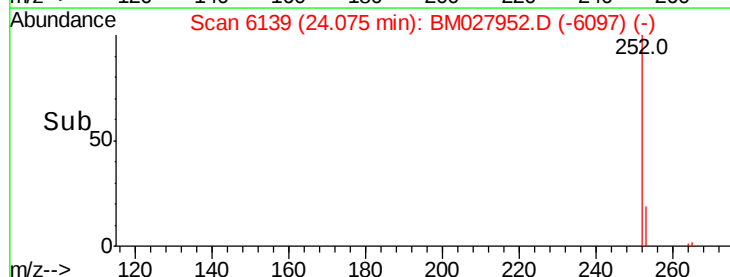
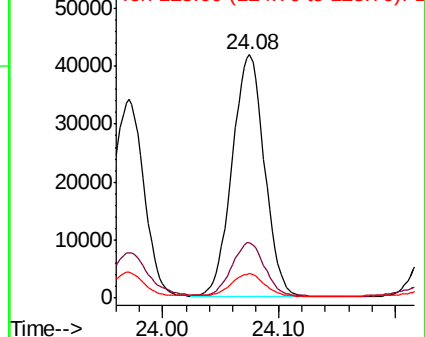
125 10.0 13.8 20.6#

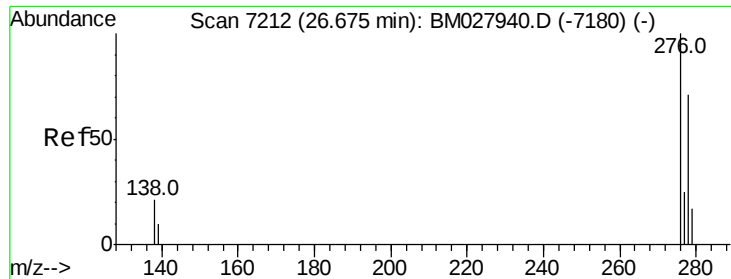


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



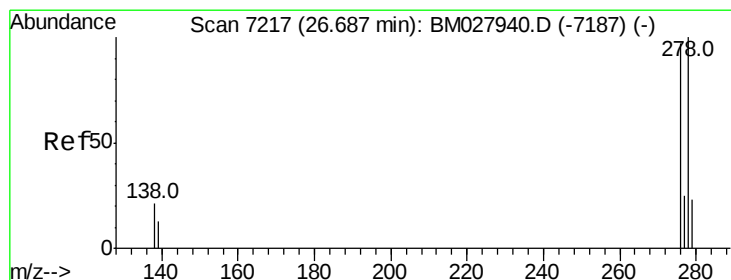
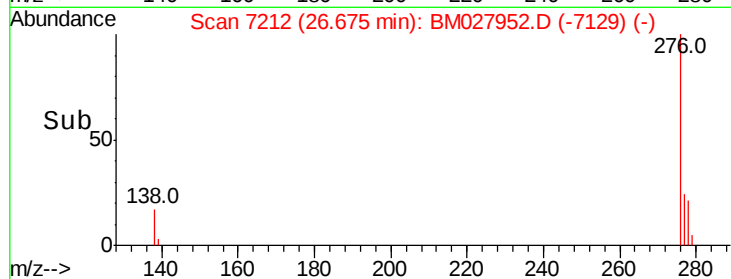
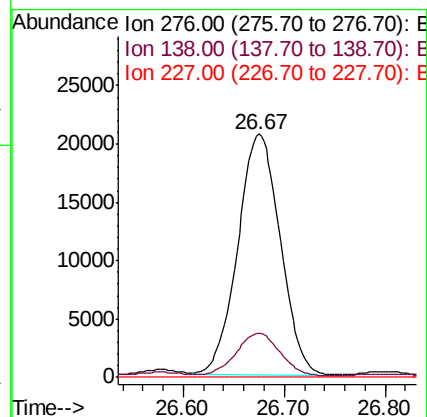
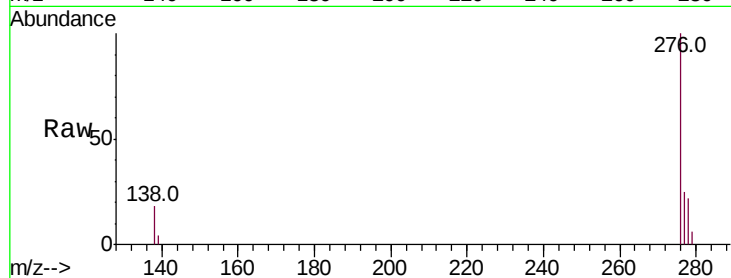


#24

Indeno(1,2,3-cd)pyrene
Concen: 6.309 ng/u1
RT: 26.67 min Scan# 7212
Delta R.T. -0.00 min
Lab File: BM027952.D
Acq: 24 Nov 2020 20:45

Instrument :
BNA_M
ClientSampleId :
C0B17DL

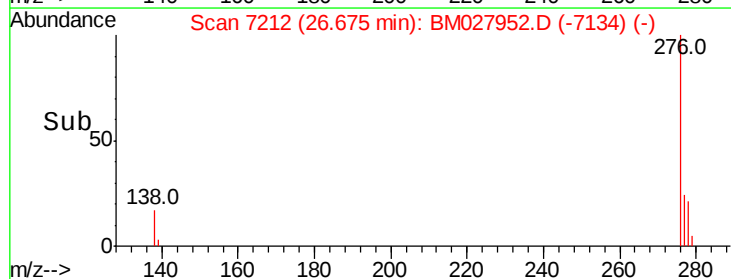
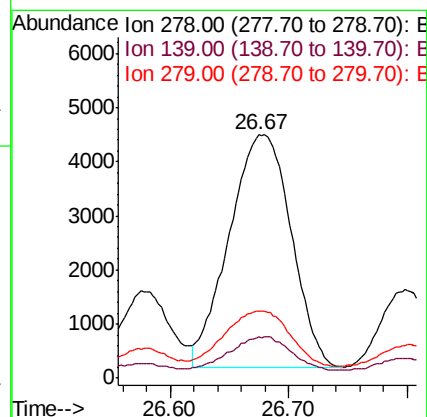
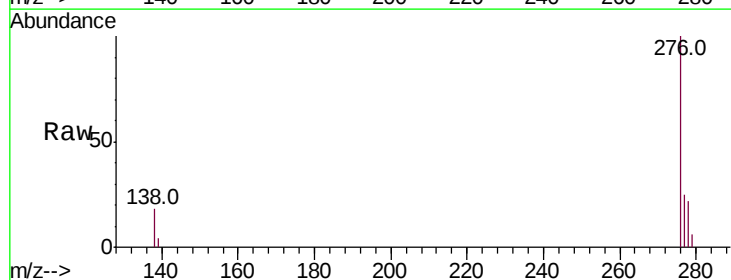
Tot Ion:276 Resp: 60570
Ion Ratio Lower Upper
276 100
138 18.1 15.7 23.5
227 0.0 0.0 0.0

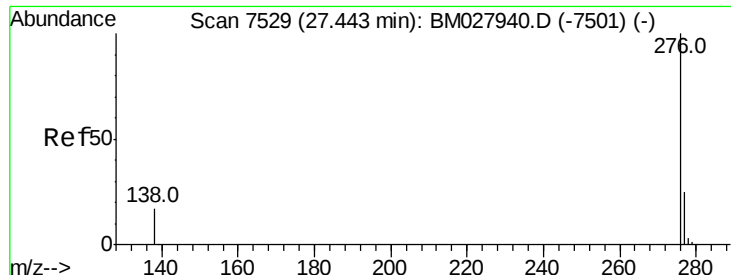


#25

Dibenzo(a,h)anthracene
Concen: 1.961 ng/u1
RT: 26.67 min Scan# 7212
Delta R.T. -0.01 min
Lab File: BM027952.D
Acq: 24 Nov 2020 20:45

Tgt Ion:278 Resp: 15672
Ion Ratio Lower Upper
278 100
139 17.0 14.8 22.2
279 27.3 25.8 38.6





#26

Benzo(a,h,i)perylene

Concen: 6.528 ng/ul

RT: 27.45 min Scan# 7532

Delta R.T. 0.01 min

Lab File: BM027952.D

Acq: 24 Nov 2020 20:45

Instrument :

BNA_M

ClientSampleId :

C0B17DL

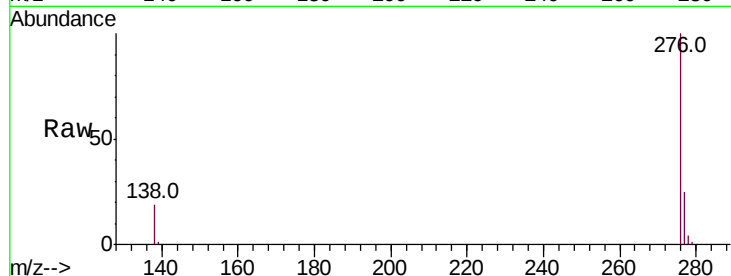
Tot Ion:276 Resp: 52580

Ion Ratio Lower Upper

276 100

138 18.8 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

