

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
 Data File : BM027886.D
 Acq On : 21 Nov 2020 18:07
 Operator : JU/CG
 Sample : L4711-10
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0B53

Quant Time: Nov 23 04:06:34 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 : Mon Nov 23 04:04:52 2020
 Response via : Initial Calibration

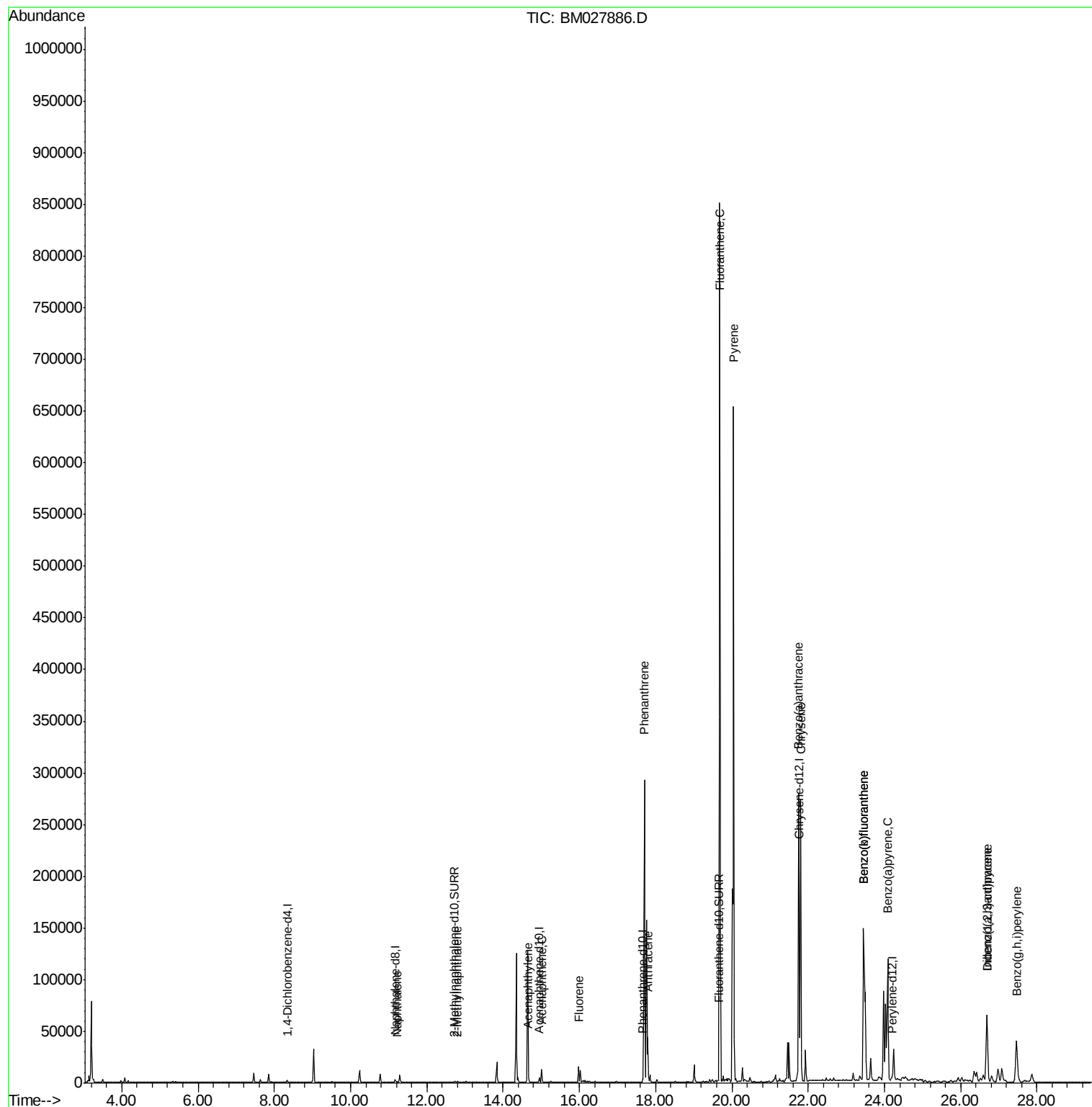
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	981	0.40	ng/ul	0.00
2) Naphthalene-d8	11.17	136	4030	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	2445	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	4872	0.40	ng/ul	0.00
16) Chrysene-d12	21.77	240	3242	0.40	ng/ul	0.00
20) Perylene-d12	24.19	264	2820	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.73	152	978	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	2171	0.17	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.22	128	1080	0.089	ng/ul#	88
5) 2-Methylnaphthalene	12.80	142	580	0.071	ng/ul	99
7) Acenaphthylene	14.67	152	1594	0.134	ng/ul#	93
8) Acenaphthene	15.01	153	7459	0.834	ng/ul	99
9) Fluorene	15.98	166	9445	0.911	ng/ul	99
12) Phenanthrene	17.70	178	299509	19.461	ng/ul	97
13) Anthracene	17.79	178	44549	3.001	ng/ul	98
15) Fluoranthene	19.68	202	697170	40.855	ng/ul	99
17) Pyrene	20.04	202	547485	33.251	ng/ul	99
18) Benzo(a)anthracene	21.75	228	241428	18.457	ng/ul	100
19) Chrysene	21.81	228	267813	21.020	ng/ul	99
21) Benzo(b)fluoranthene	23.45	252	362018	30.546	ng/ul	88
22) Benzo(k)fluoranthene	23.45	252	361995	31.190	ng/ul#	89
23) Benzo(a)pyrene	24.08	252	171913	16.591	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.69	276	109468	9.757	ng/ul#	95
25) Dibenzo(a,h)anthracene	26.69	278	28557	3.057	ng/ul	92
26) Benzo(a,h,i)perylene	27.46	276	92589	9.836	ng/ul	92

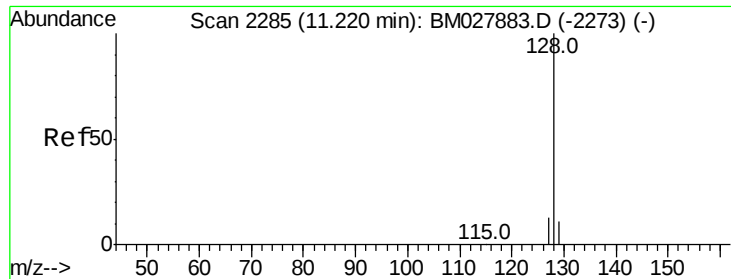
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.089 ng/ul

RT: 11.22 min Scan# 2285

Delta R.T. -0.00 min

Lab File: BM027886.D

Acq: 21 Nov 2020 18:07

Instrument :

BNA_M

ClientSampleId :

C0B53

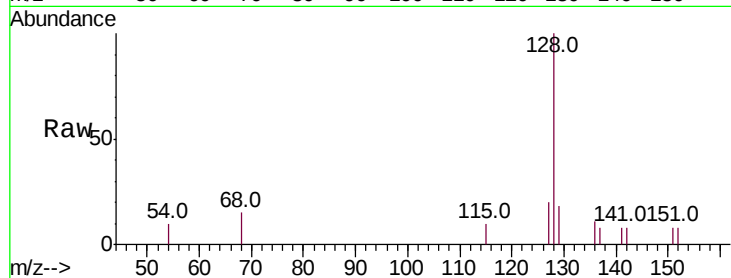
Tot Ion:128 Resp: 1080

Ion Ratio Lower Upper

128 100

129 18.2 10.4 15.6#

127 20.0 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

11.22

800

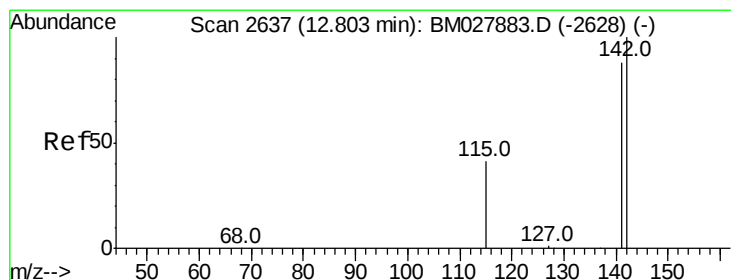
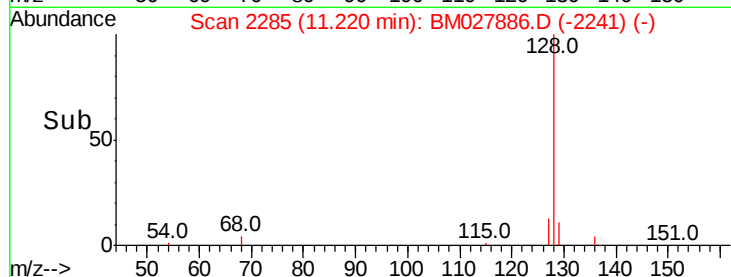
600

400

200

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.071 ng/ul

RT: 12.80 min Scan# 2637

Delta R.T. -0.00 min

Lab File: BM027886.D

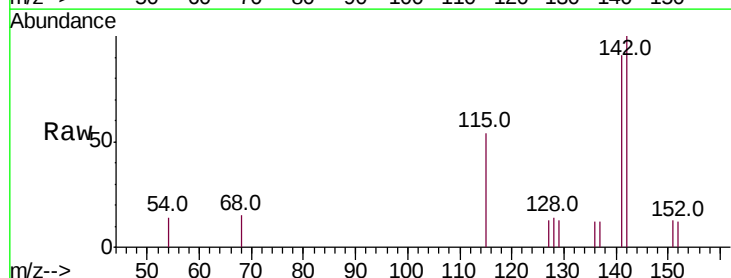
Acq: 21 Nov 2020 18:07

Tgt Ion:142 Resp: 580

Ion Ratio Lower Upper

142 100

141 88.3 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.80

500

400

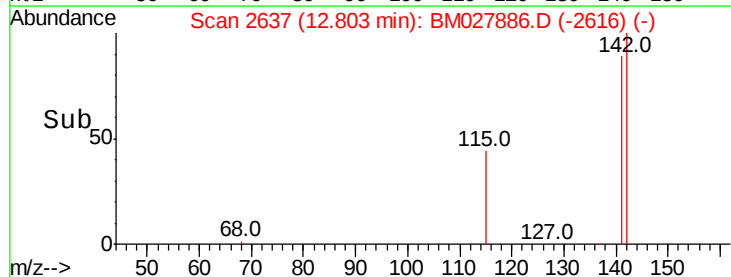
300

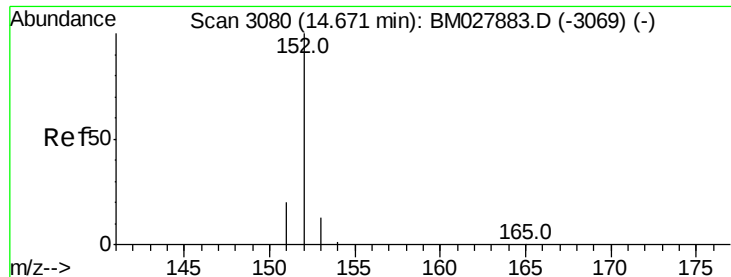
200

100

0

Time-->





#7

Acenaphthylene

Concen: 0.134 ng/ul

RT: 14.67 min Scan# 3081

Delta R.T. -0.00 min

Lab File: BM027886.D

Acq: 21 Nov 2020 18:07

Instrument :

BNA_M

ClientSampleId :

C0B53

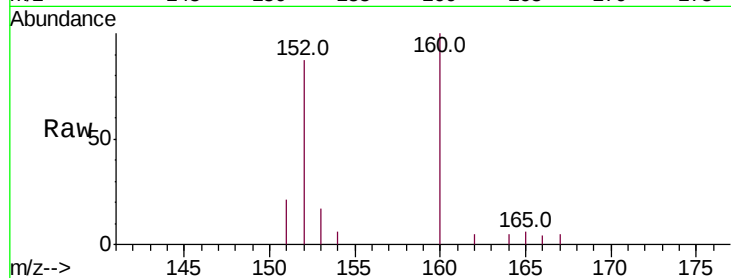
Tot Ion:152 Resp: 1594

Ion Ratio Lower Upper

152 100

151 23.6 17.1 25.7

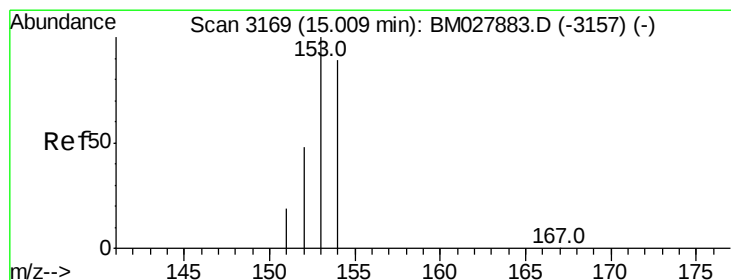
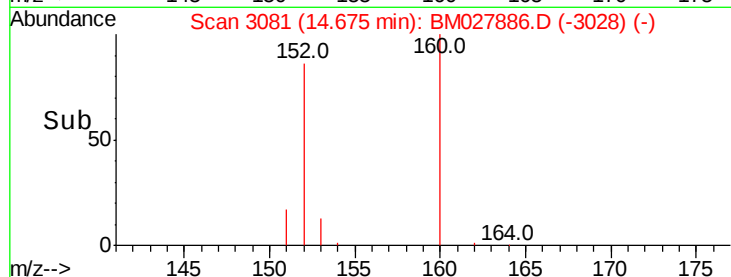
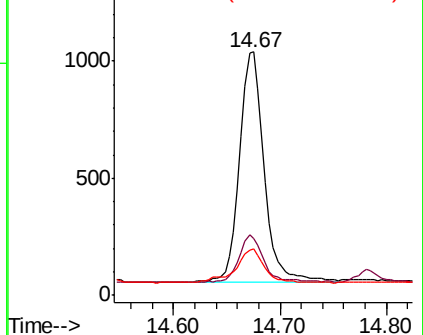
153 19.2 12.0 18.0#



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: 0.834 ng/ul

RT: 15.01 min Scan# 3169

Delta R.T. -0.00 min

Lab File: BM027886.D

Acq: 21 Nov 2020 18:07

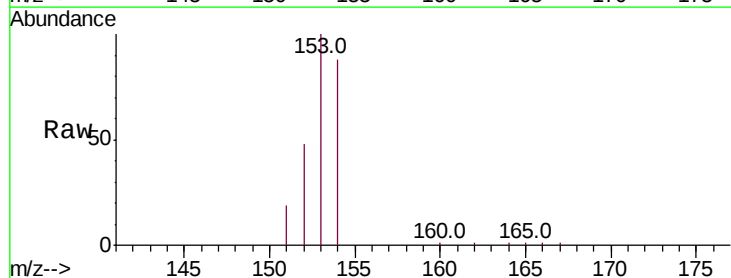
Tgt Ion:153 Resp: 7459

Ion Ratio Lower Upper

153 100

152 47.9 39.0 58.6

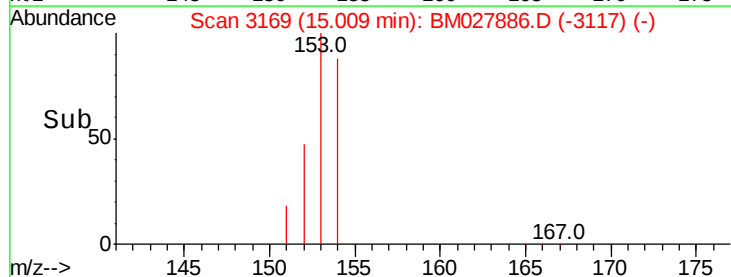
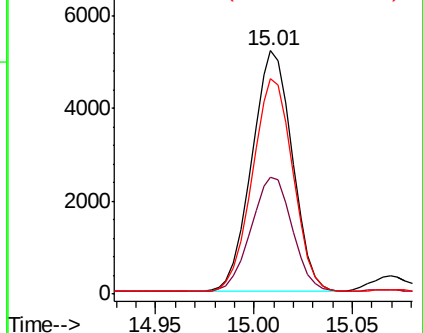
154 88.4 71.6 107.4

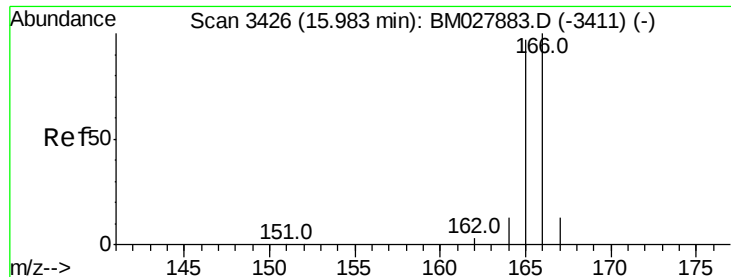


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.911 ng/ul

RT: 15.98 min Scan# 3426

Delta R.T. -0.00 min

Lab File: BM027886.D

Acq: 21 Nov 2020 18:07

Instrument :

BNA_M

ClientSampleId :

C0B53

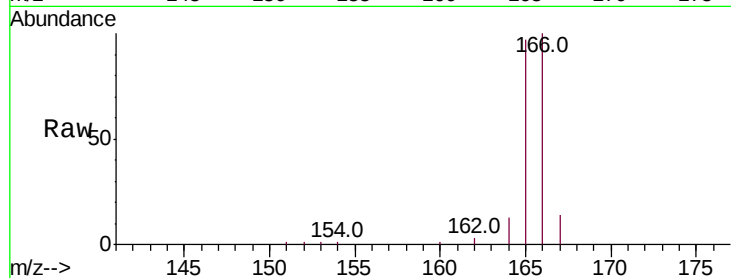
Tot Ion:166 Resp: 9445

Ion Ratio Lower Upper

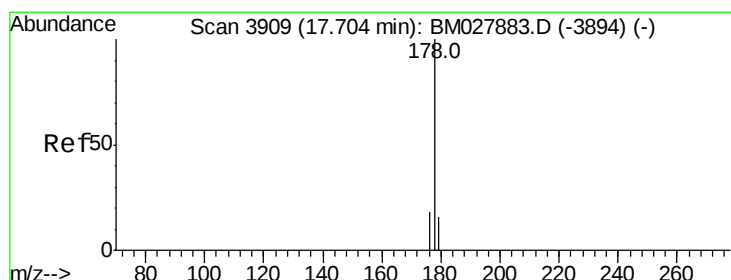
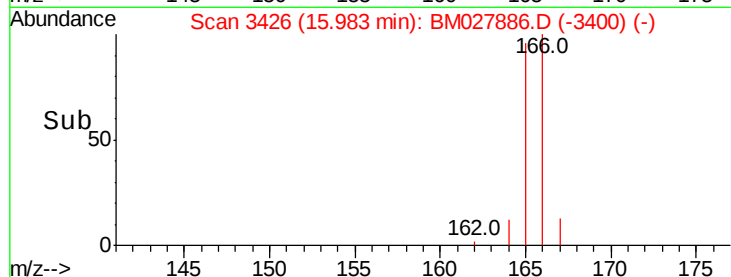
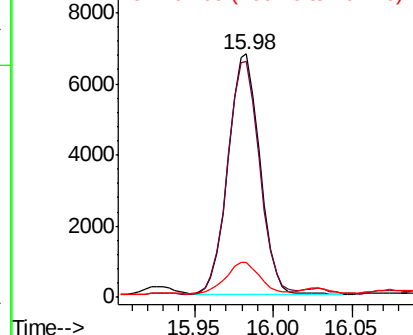
166 100

165 96.7 78.1 117.1

167 14.3 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: 19.461 ng/ul

RT: 17.70 min Scan# 3909

Delta R.T. -0.00 min

Lab File: BM027886.D

Acq: 21 Nov 2020 18:07

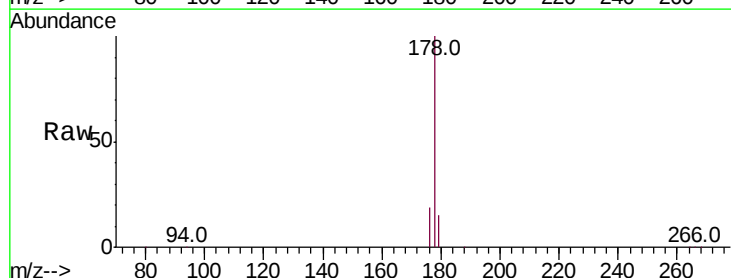
Tgt Ion:178 Resp: 299509

Ion Ratio Lower Upper

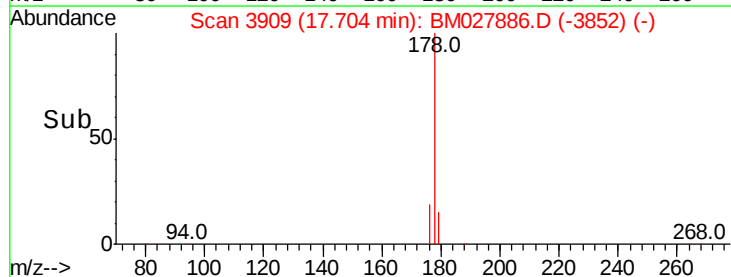
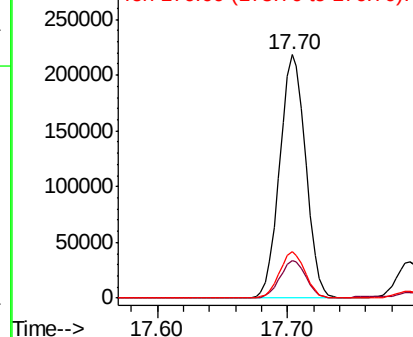
178 100

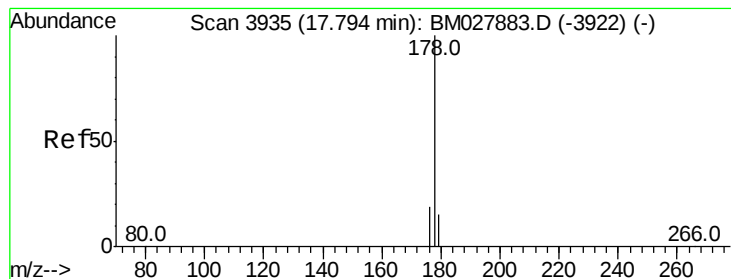
179 15.4 13.6 20.4

176 18.9 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: 3.001 ng/ul

RT: 17.79 min Scan# 3935

Delta R.T. -0.00 min

Lab File: BM027886.D

Acq: 21 Nov 2020 18:07

Instrument :

BNA_M

ClientSampleId :

C0B53

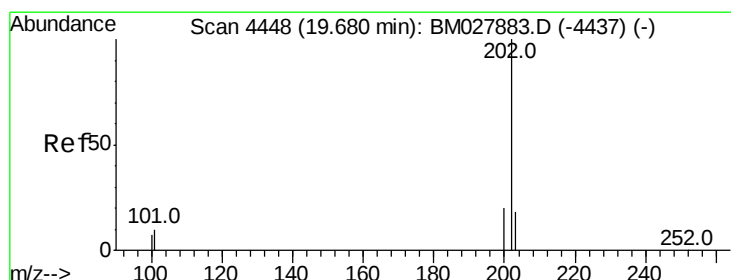
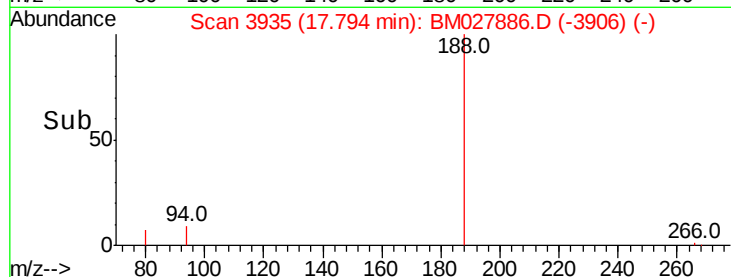
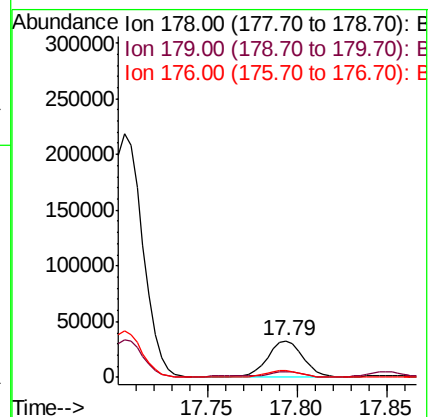
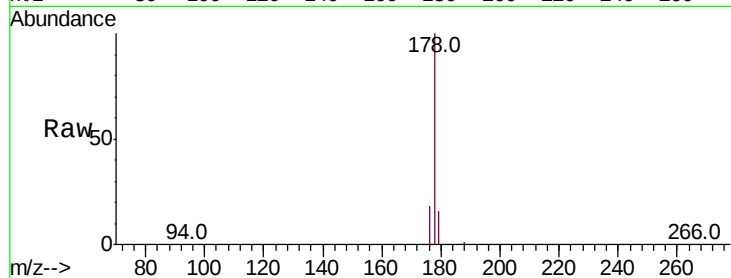
Tot Ion:178 Resp: 44549

Ion Ratio Lower Upper

178 100

179 15.6 13.4 20.2

176 18.2 15.0 22.6



#15

Fluoranthene

Concen: 40.855 ng/ul

RT: 19.68 min Scan# 4449

Delta R.T. -0.00 min

Lab File: BM027886.D

Acq: 21 Nov 2020 18:07

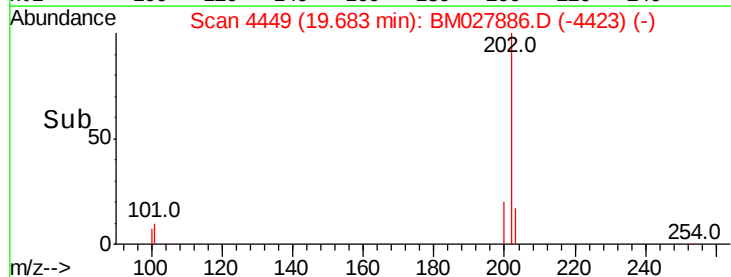
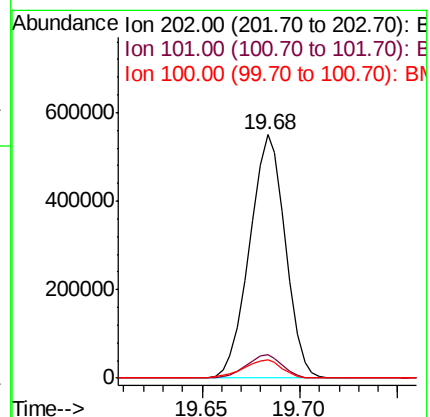
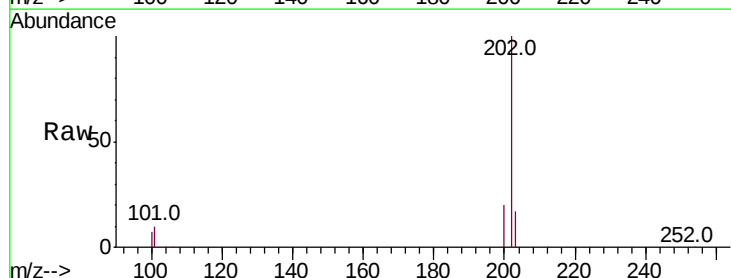
Tgt Ion:202 Resp: 697170

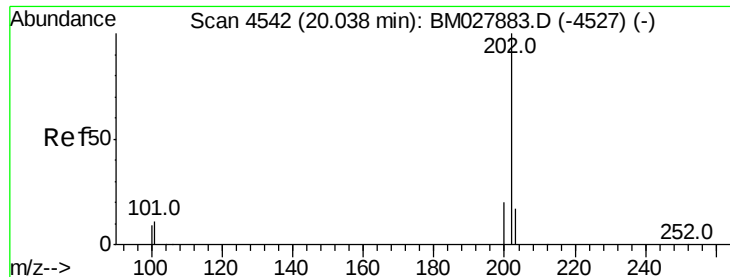
Ion Ratio Lower Upper

202 100

101 9.6 0.0 29.3

100 7.5 0.0 27.4





#17

Pvrene

Concen: 33.251 ng/ul

RT: 20.04 min Scan# 4543

Delta R.T. -0.00 min

Lab File: BM027886.D

Acq: 21 Nov 2020 18:07

Instrument :

BNA_M

ClientSampled :

C0B53

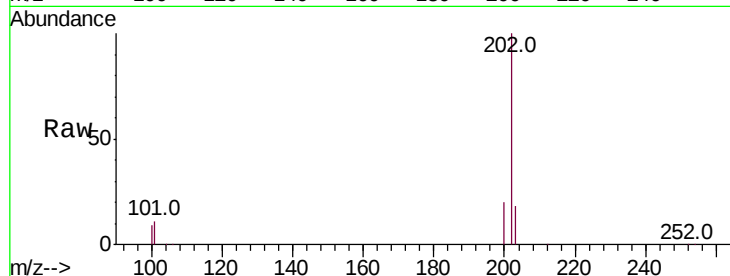
Tot Ion:202 Resp: 547485

Ion Ratio Lower Upper

202 100

101 10.8 8.2 12.2

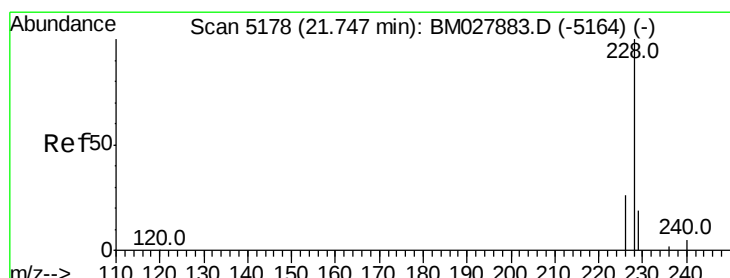
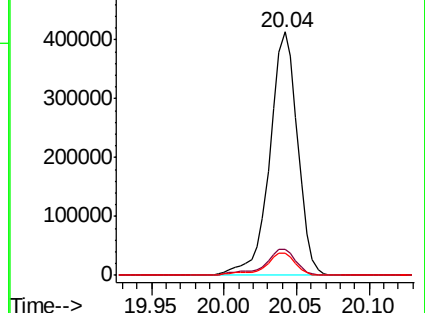
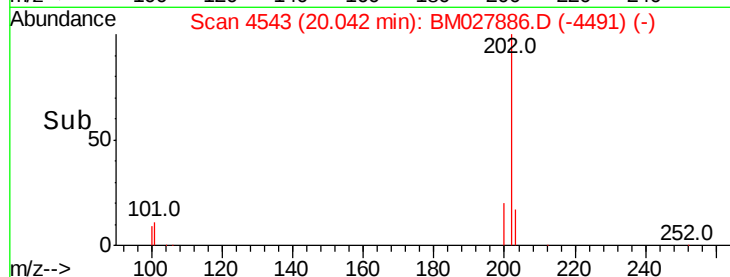
100 9.0 6.9 10.3



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: 18.457 ng/ul

RT: 21.75 min Scan# 5180

Delta R.T. -0.00 min

Lab File: BM027886.D

Acq: 21 Nov 2020 18:07

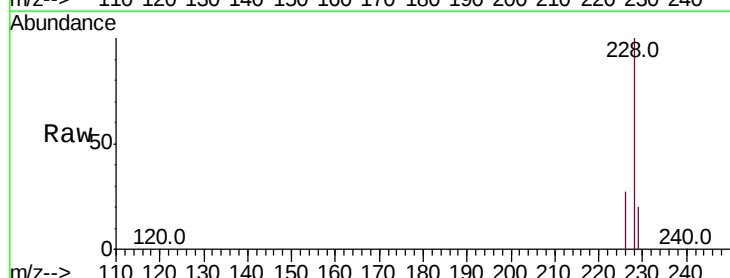
Tgt Ion:228 Resp: 241428

Ion Ratio Lower Upper

228 100

229 20.2 16.2 24.4

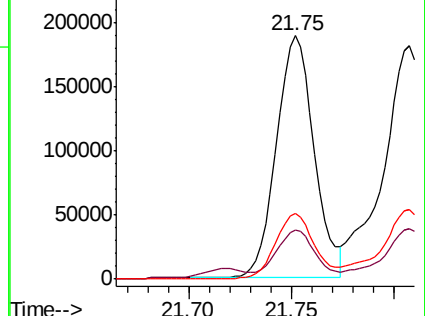
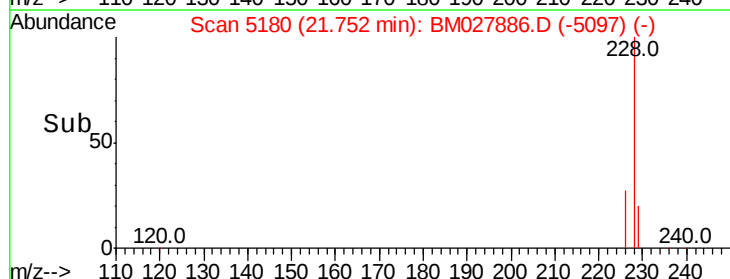
226 26.8 21.5 32.3

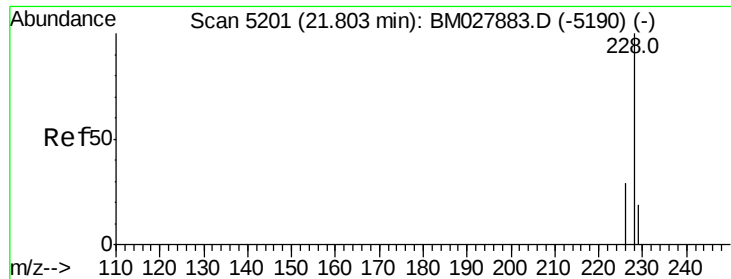


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 21.020 ng/ul

RT: 21.81 min Scan# 5203

Delta R.T. -0.00 min

Lab File: BM027886.D

Acq: 21 Nov 2020 18:07

Instrument :

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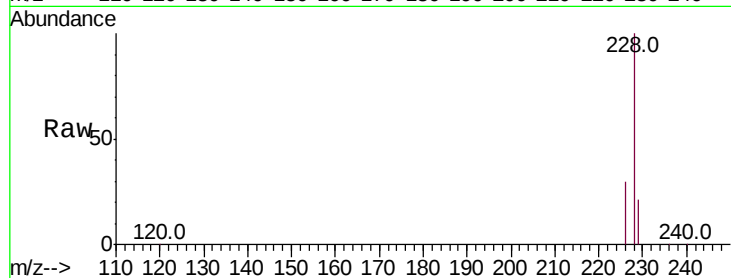
Tot Ion:228 Resp: 267813

Ion Ratio Lower Upper

228 100

226 29.6 24.1 36.1

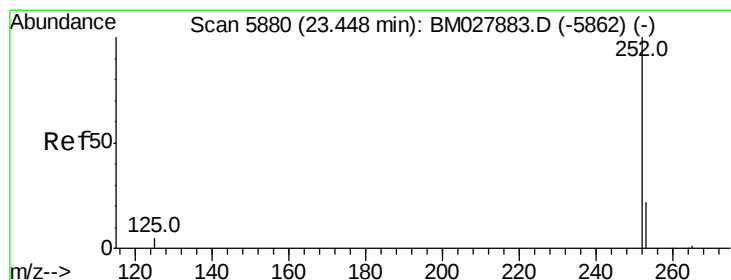
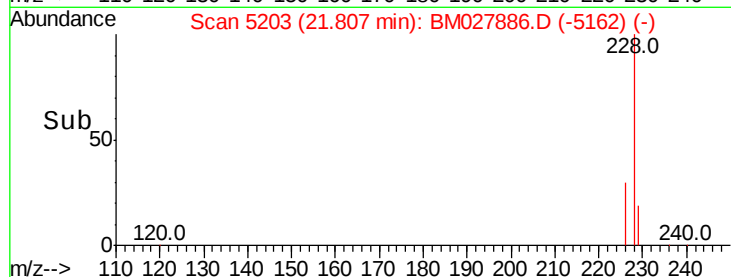
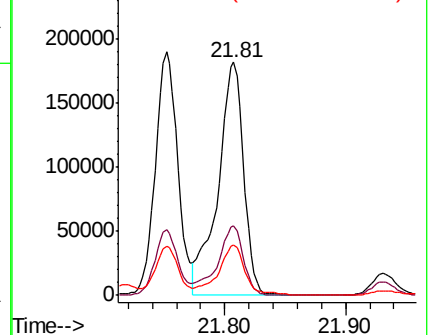
229 21.5 16.6 24.8



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: 30.546 ng/ul

RT: 23.45 min Scan# 5883

Delta R.T. 0.00 min

Lab File: BM027886.D

Acq: 21 Nov 2020 18:07

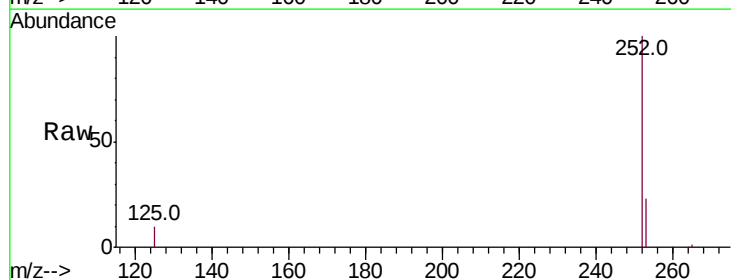
Tgt Ion:252 Resp: 362018

Ion Ratio Lower Upper

252 100

253 22.8 0.0 59.6

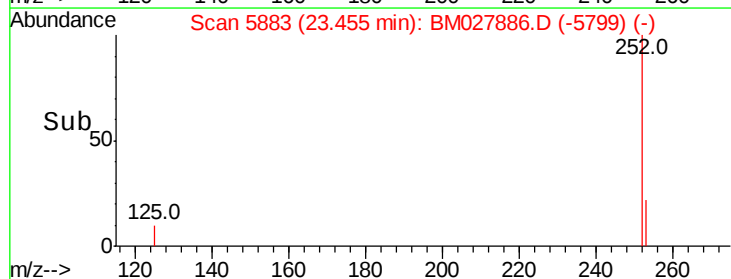
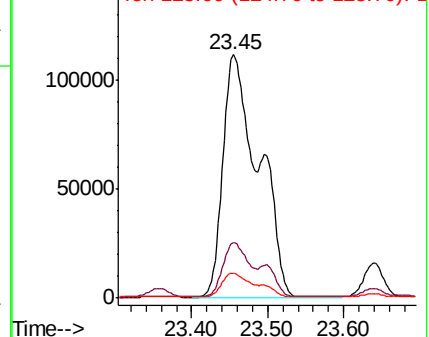
125 10.1 0.0 28.4

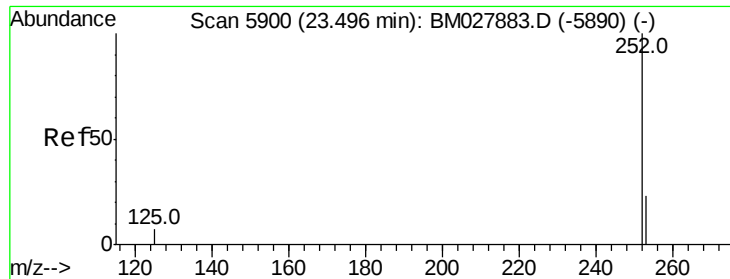


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 31.190 ng/ul

RT: 23.45 min Scan# 5883

Delta R.T. -0.04 min

Lab File: BM027886.D

Acq: 21 Nov 2020 18:07

Instrument :

BNA_M

ClientSampleId :

C0B53

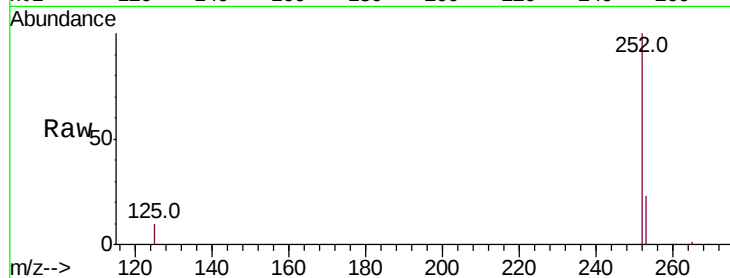
Tot Ion:252 Resp: 361995

Ion Ratio Lower Upper

252 100

253 22.8 23.2 34.8#

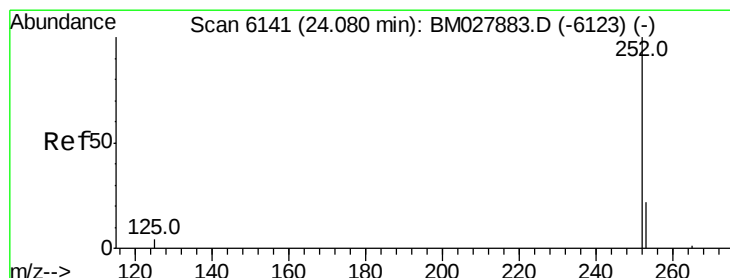
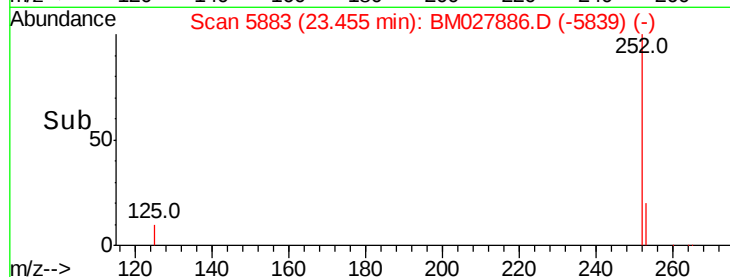
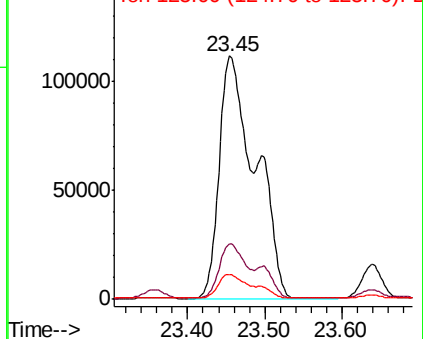
125 10.1 11.8 17.6#



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: 16.591 ng/ul

RT: 24.08 min Scan# 6143

Delta R.T. 0.00 min

Lab File: BM027886.D

Acq: 21 Nov 2020 18:07

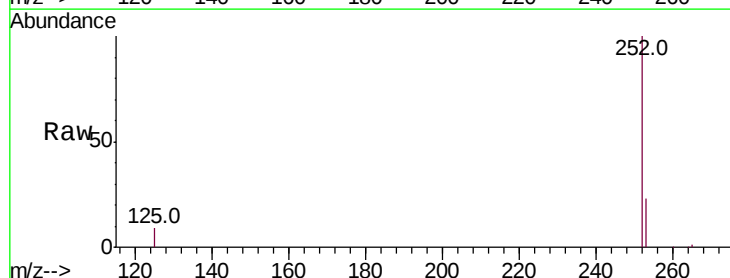
Tgt Ion:252 Resp: 171913

Ion Ratio Lower Upper

252 100

253 22.5 25.2 37.8#

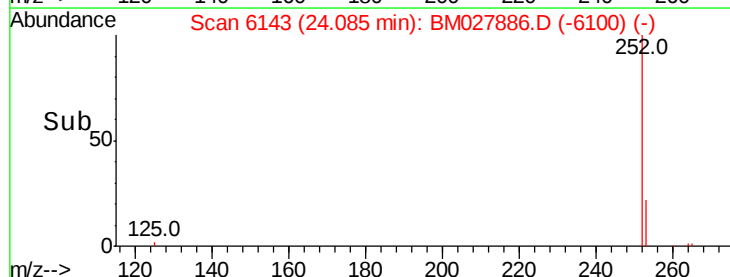
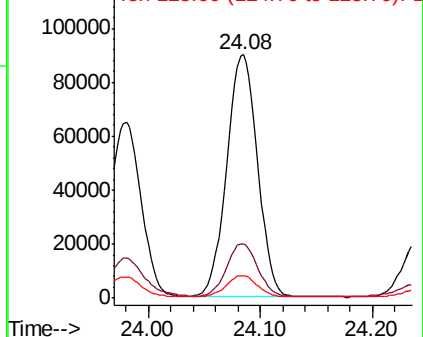
125 9.2 13.8 20.6#

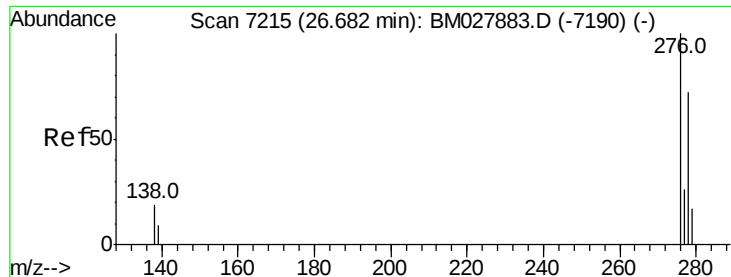


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



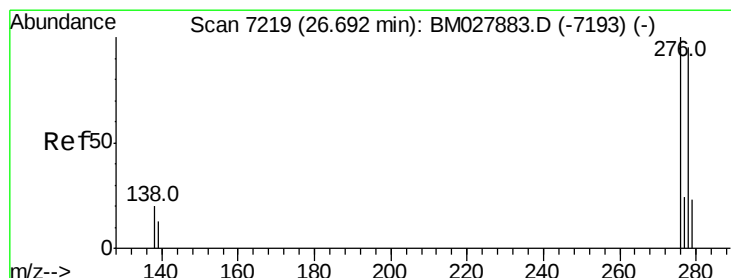
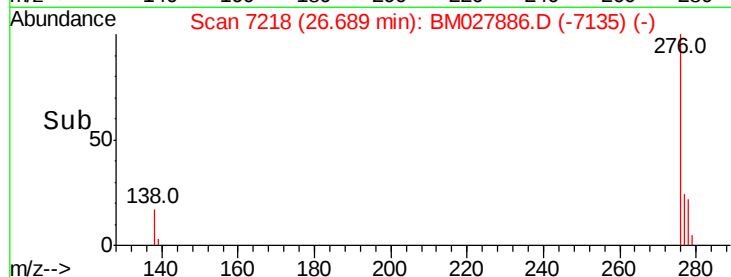
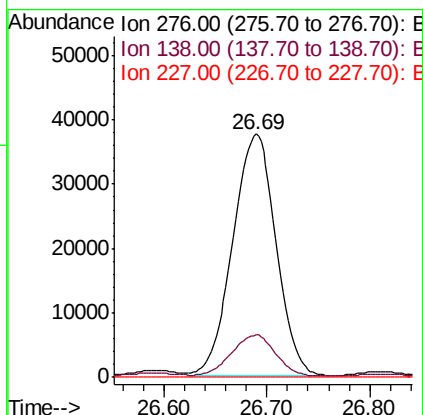
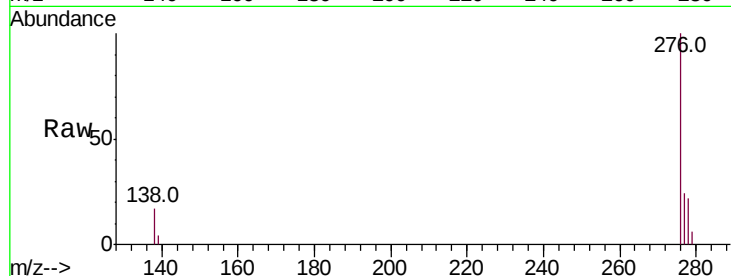


#24

Indeno(1,2,3-cd)pyrene
Concen: 9.757 ng/ul
RT: 26.69 min Scan# 7218
Delta R.T. 0.00 min
Lab File: BM027886.D
Acq: 21 Nov 2020 18:07

Instrument :
BNA_M
ClientSampleId :
C0B53

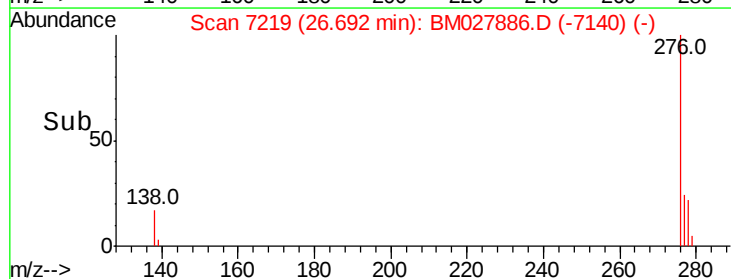
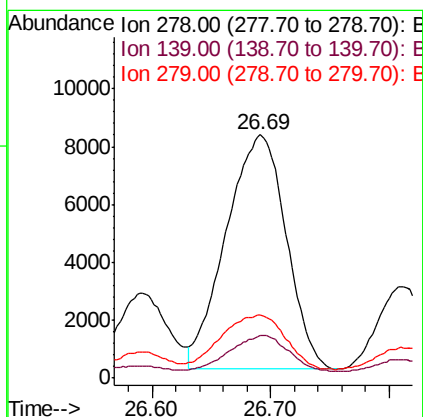
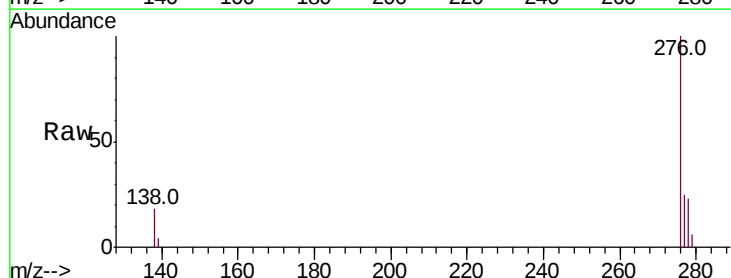
Tot Ion:276 Resp: 109468
Ion Ratio Lower Upper
276 100
138 17.4 15.7 23.5
227 0.0 0.0 0.0

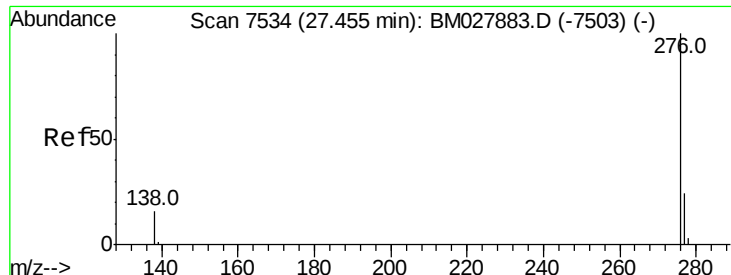


#25

Dibenzo(a,h)anthracene
Concen: 3.057 ng/ul
RT: 26.69 min Scan# 7219
Delta R.T. -0.01 min
Lab File: BM027886.D
Acq: 21 Nov 2020 18:07

Tgt Ion:278 Resp: 28557
Ion Ratio Lower Upper
278 100
139 17.4 14.8 22.2
279 25.8 25.8 38.6





#26

Benzo(a,h,i)perylene

Concen: 9.836 ng/ul

RT: 27.46 min Scan# 7538

Delta R.T. 0.00 min

Lab File: BM027886.D

Acq: 21 Nov 2020 18:07

Instrument :

BNA_M

ClientSampleId :

C0B53

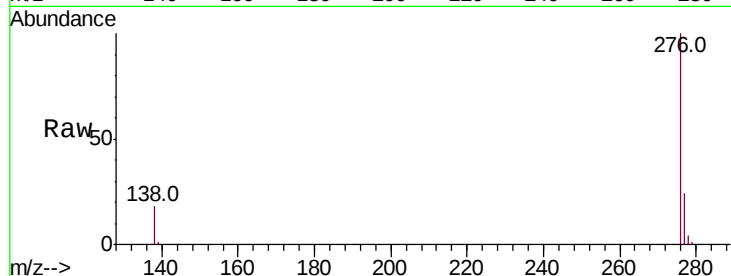
Tot Ion:276 Resp: 92589

Ion Ratio Lower Upper

276 100

138 17.7 17.4 26.2

277 24.3 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

