

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112320\
 Data File : BM027927.D
 Acq On : 23 Nov 2020 23:27
 Operator : JU/CG
 Sample : L4711-12DL 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0B58DL

Quant Time: Nov 24 00:46:21 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

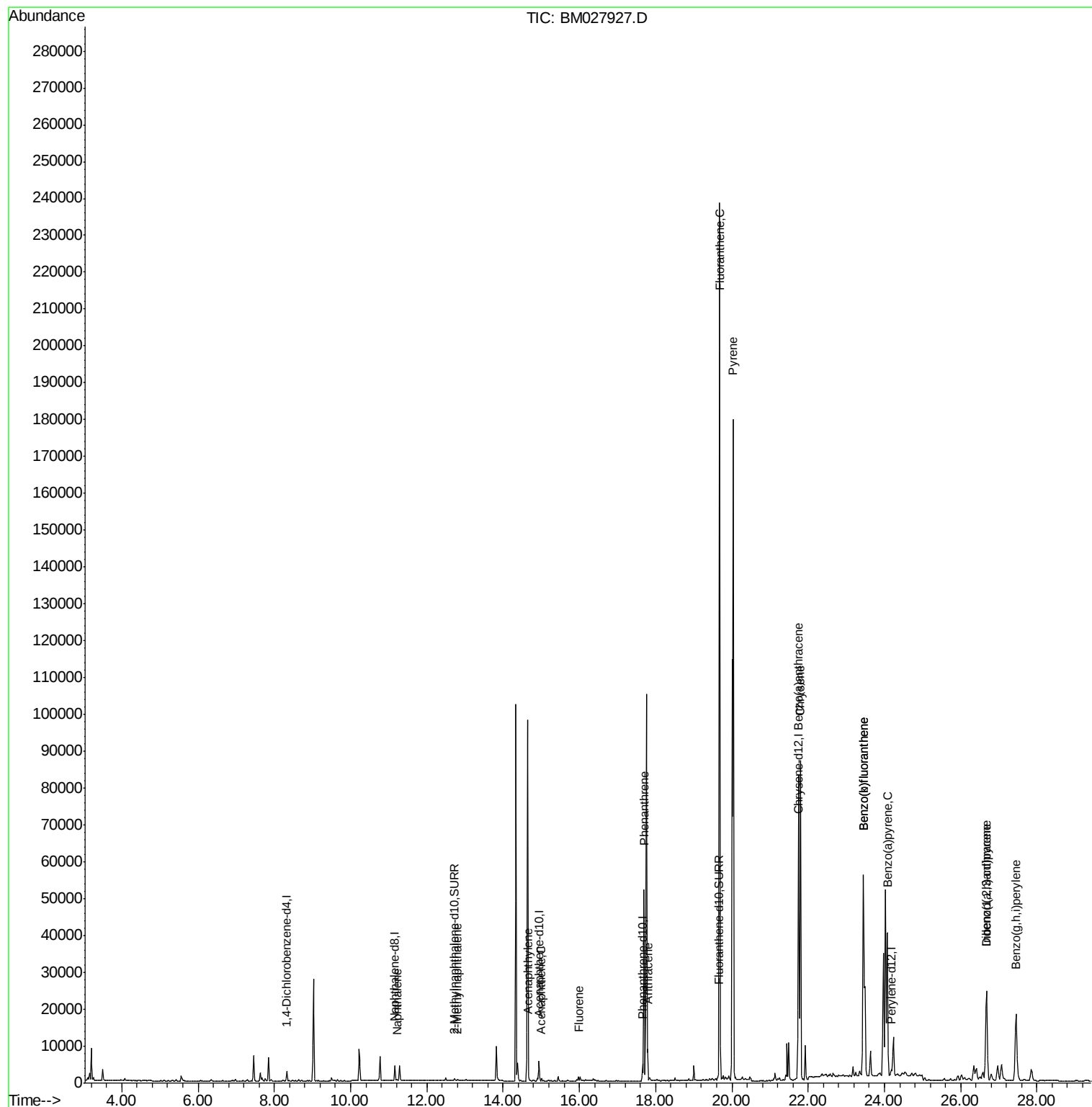
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	1318	0.40	ng/ul	0.00
2) Naphthalene-d8	11.16	136	5161	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	2917	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	5114	0.40	ng/ul	0.00
16) Chrysene-d12	21.76	240	2843	0.40	ng/ul	0.00
20) Perylene-d12	24.18	264	2652	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.73	152	767	0.09	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	1217	0.09	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.21	128	466	0.030	ng/ul#	71
5) 2-Methylnaphthalene	12.80	142	279	0.027	ng/ul	100
7) Acenaphthylene	14.67	152	515	0.036	ng/ul#	73
8) Acenaphthene	15.00	153	293	0.027	ng/ul#	93
9) Fluorene	15.98	166	727	0.059	ng/ul#	95
12) Phenanthrene	17.70	178	52950	3.278	ng/ul	97
13) Anthracene	17.79	178	8642	0.555	ng/ul	99
15) Fluoranthene	19.68	202	197429	11.022	ng/ul	99
17) Pyrene	20.03	202	150647	10.434	ng/ul	97
18) Benzo(a)anthracene	21.74	228	73198	6.381	ng/ul	100
19) Chrysene	21.80	228	85828	7.682	ng/ul	99
21) Benzo(b)fluoranthene	23.44	252	127144	11.408	ng/ul	90
22) Benzo(k)fluoranthene	23.44	252	127104	11.645	ng/ul#	90
23) Benzo(a)pyrene	24.07	252	57407	5.891	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.68	276	41902	3.972	ng/ul#	96
25) Dibenzo(a,h)anthracene	26.68	278	10622	1.209	ng/ul	92
26) Benzo(a,h,i)perylene	27.45	276	40743	4.603	ng/ul	93

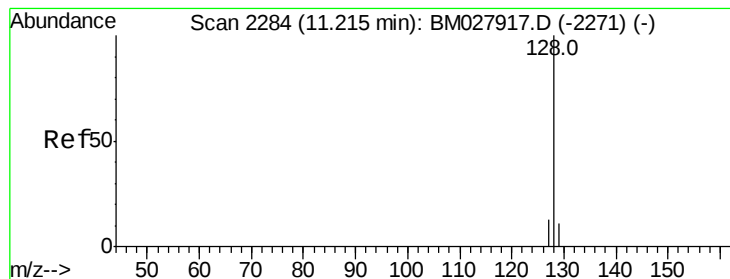
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 24 00:46:21 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
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#3

Naphthalene

Concen: 0.030 ng/ul

RT: 11.21 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

Instrument :

BNA_M

ClientSampleId :

C0B58DL

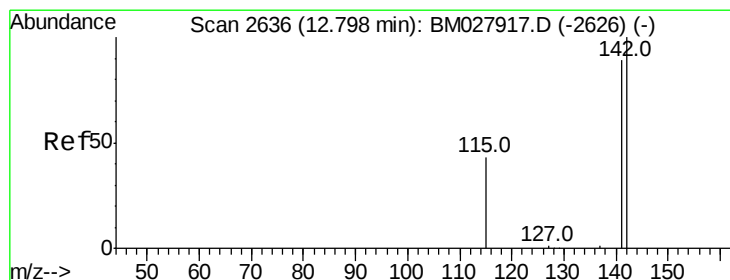
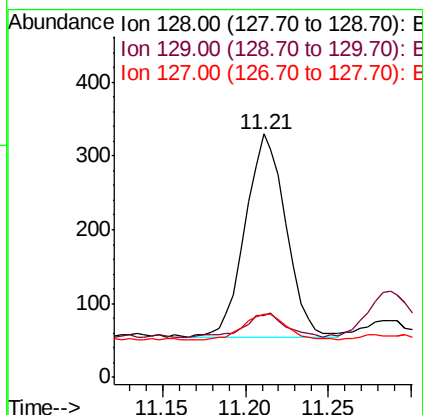
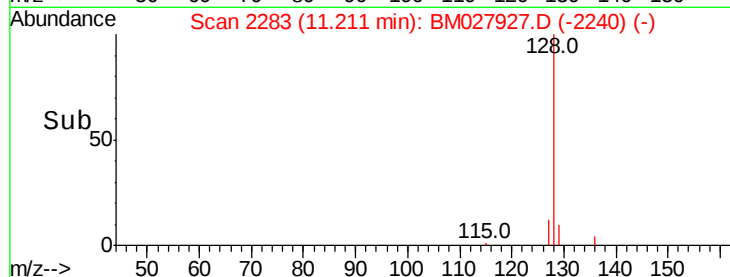
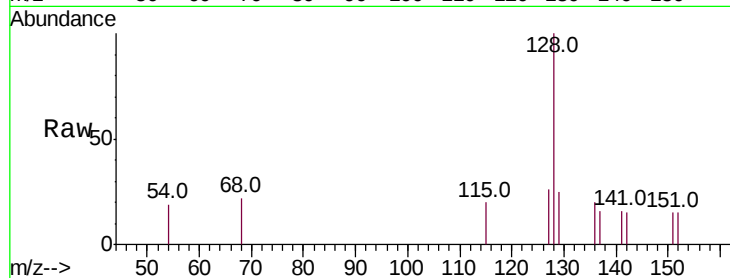
Tot Ion:128 Resp: 466

Ion Ratio Lower Upper

128 100

129 25.5 10.4 15.6#

127 26.1 12.0 18.0#



#5

2-Methylnaphthalene

Concen: 0.027 ng/ul

RT: 12.80 min Scan# 2636

Delta R.T. -0.00 min

Lab File: BM027927.D

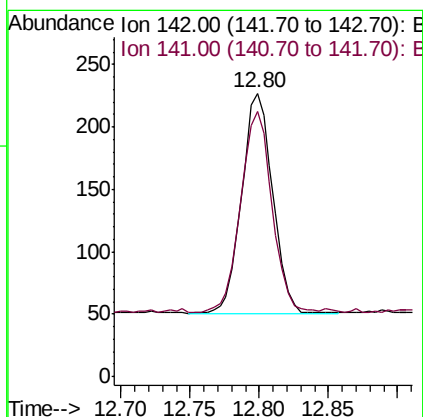
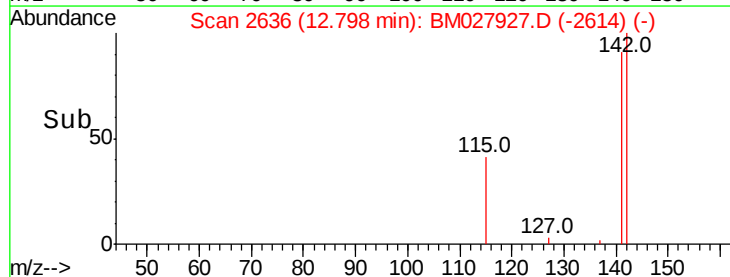
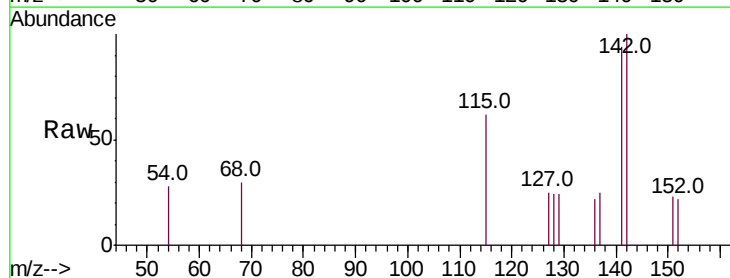
Acq: 23 Nov 2020 23:27

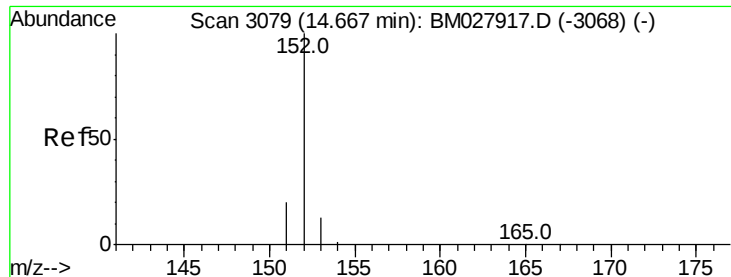
Tgt Ion:142 Resp: 279

Ion Ratio Lower Upper

142 100

141 90.0 71.6 107.4





#7

Acenaphthylene

Concen: 0.036 ng/ul

RT: 14.67 min Scan# 3080

Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

Instrument :

BNA_M

ClientSampleId :

C0B58DL

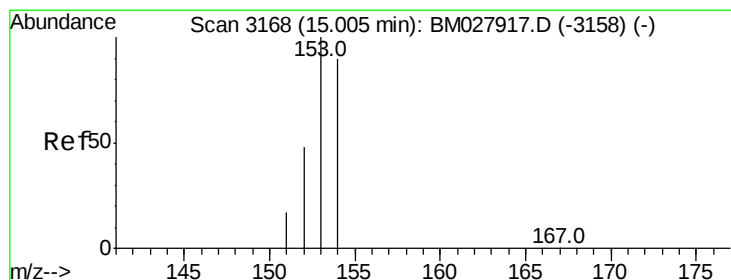
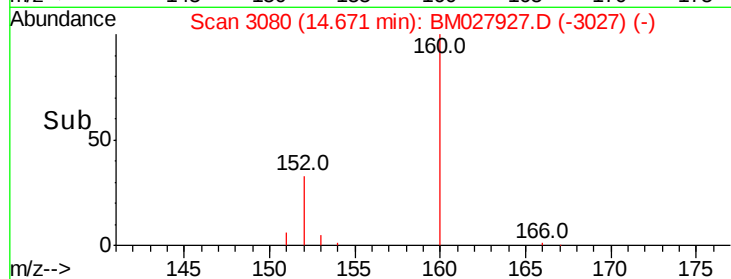
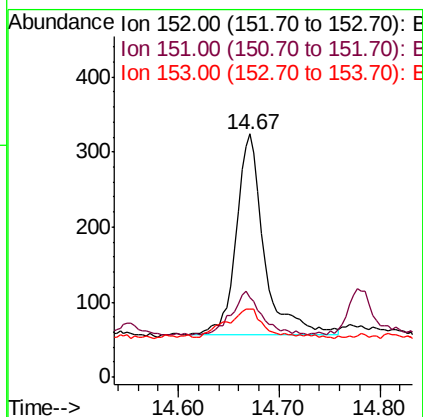
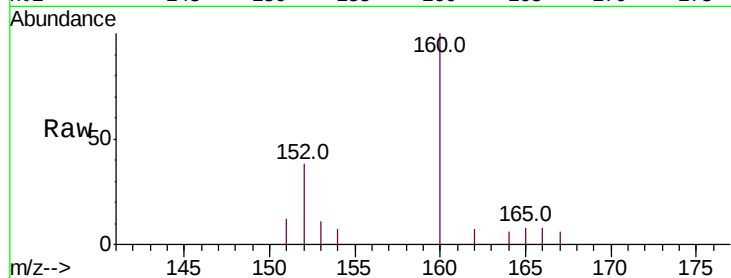
Tot Ion:152 Resp: 515

Ion Ratio Lower Upper

152 100

151 32.7 17.1 25.7#

153 28.1 12.0 18.0#



#8

Acenaphthene

Concen: 0.027 ng/ul

RT: 15.00 min Scan# 3168

Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

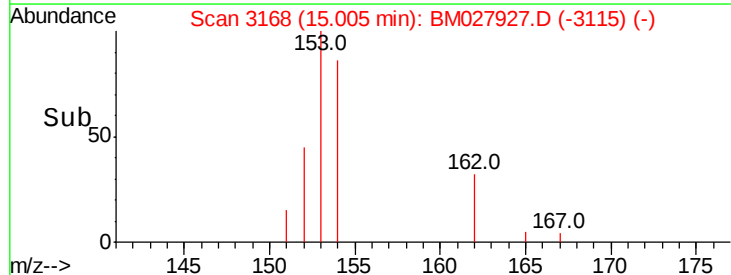
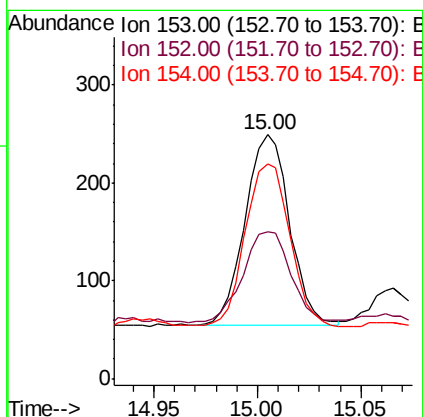
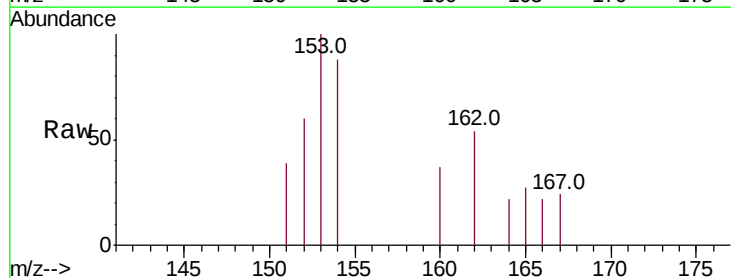
Tgt Ion:153 Resp: 293

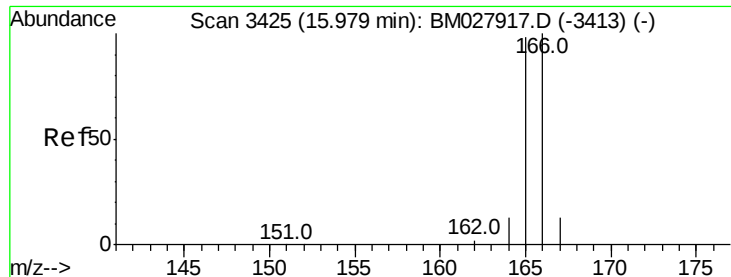
Ion Ratio Lower Upper

153 100

152 60.2 39.0 58.6#

154 88.0 71.6 107.4





#9

Fluorene

Concen: 0.059 ng/ul

RT: 15.98 min Scan# 3424

Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

Instrument :

BNA_M

ClientSampleId :

C0B58DL

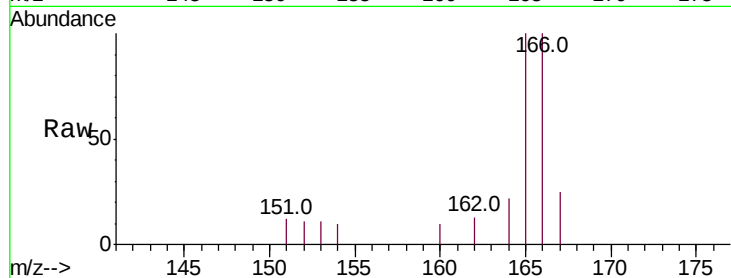
Tot Ion:166 Resp: 727

Ion Ratio Lower Upper

166 100

165 99.8 78.1 117.1

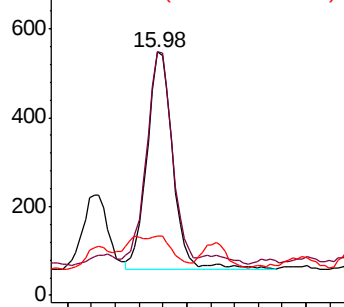
167 24.6 11.8 17.8#



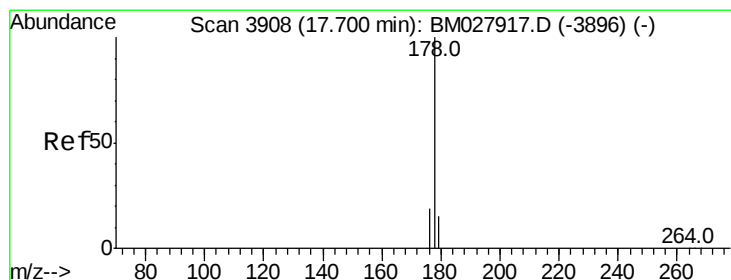
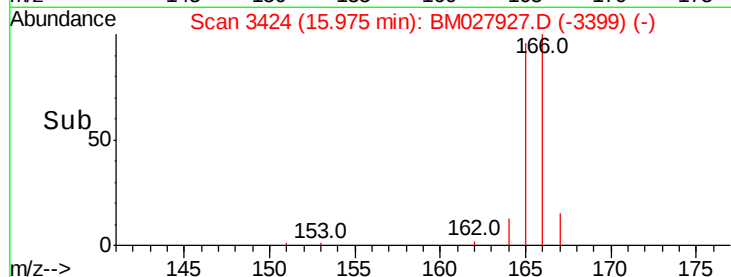
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#12

Phenanthrene

Concen: 3.278 ng/ul

RT: 17.70 min Scan# 3908

Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

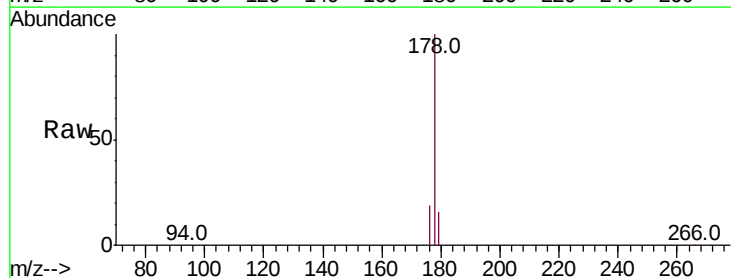
Tgt Ion:178 Resp: 52950

Ion Ratio Lower Upper

178 100

179 15.5 13.6 20.4

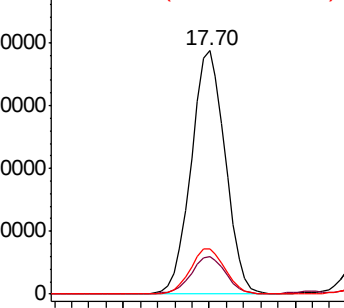
176 18.8 16.1 24.1



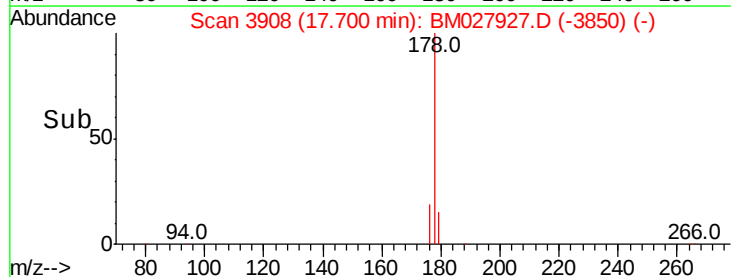
Abundance Ion 178.00 (177.70 to 178.70): E

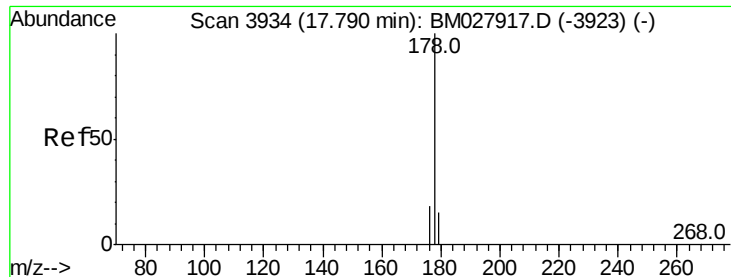
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#13

Anthracene

Concen: 0.555 ng/ul

RT: 17.79 min Scan# 3934

Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

Instrument :

BNA_M

ClientSampleId :

C0B58DL

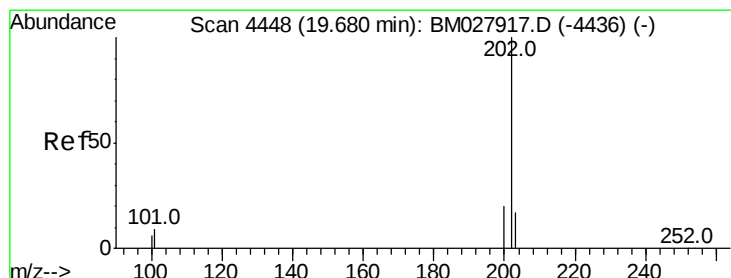
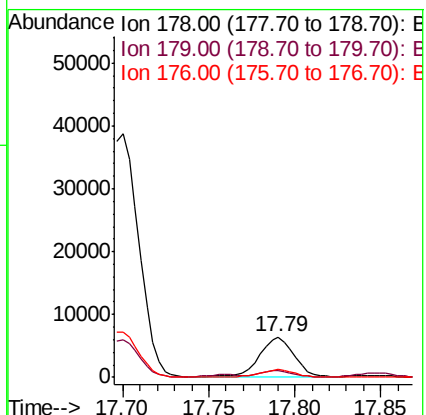
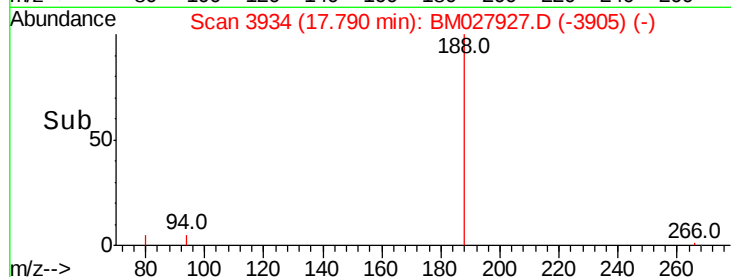
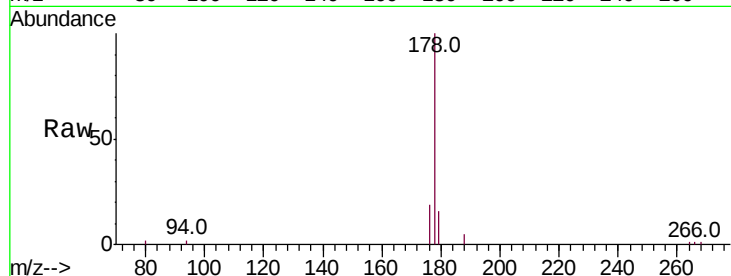
Tot Ion:178 Resp: 8642

Ion Ratio Lower Upper

178 100

179 16.3 13.4 20.2

176 18.8 15.0 22.6



#15

Fluoranthene

Concen: 11.022 ng/ul

RT: 19.68 min Scan# 4447

Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

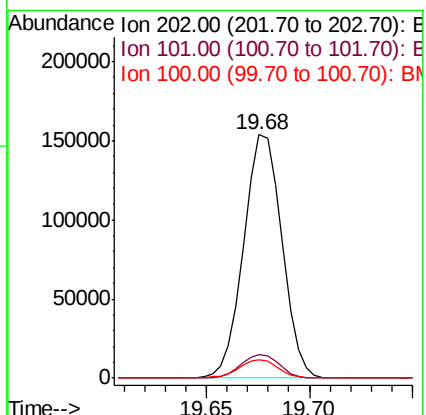
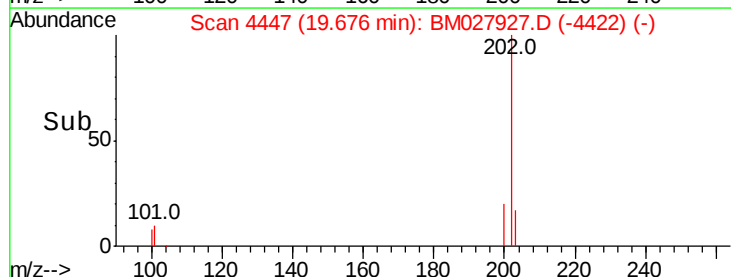
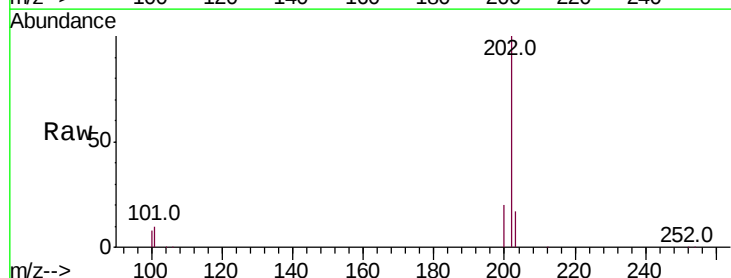
Tgt Ion:202 Resp: 197429

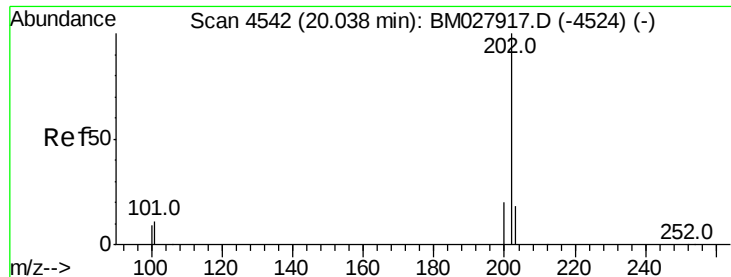
Ion Ratio Lower Upper

202 100

101 9.8 0.0 29.3

100 7.7 0.0 27.4





#17

Pvrene

Concen: 10.434 ng/ul

RT: 20.03 min Scan# 4541

Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

Instrument :

BNA_M

ClientSampleId :

C0B58DL

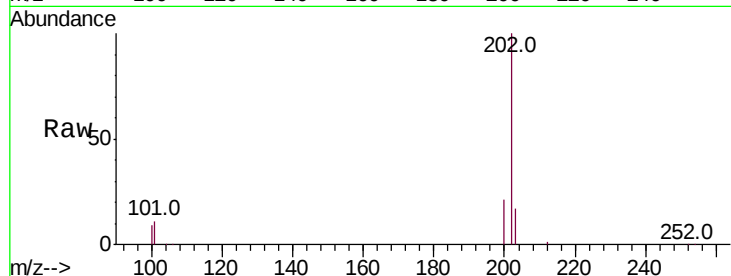
Tot Ion:202 Resp: 150647

Ion Ratio Lower Upper

202 100

101 11.3 8.2 12.2

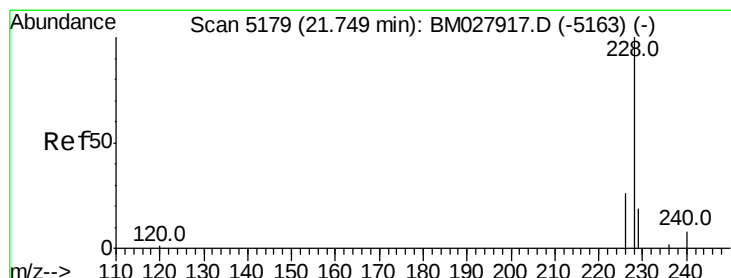
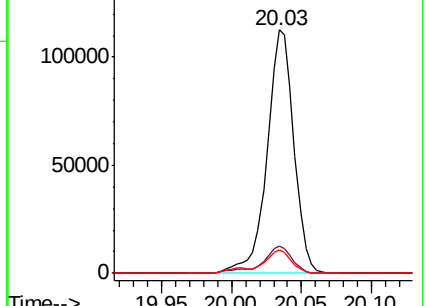
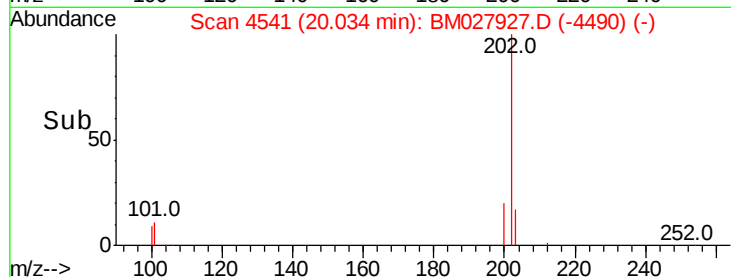
100 9.4 6.9 10.3



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: 6.381 ng/ul

RT: 21.74 min Scan# 5177

Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

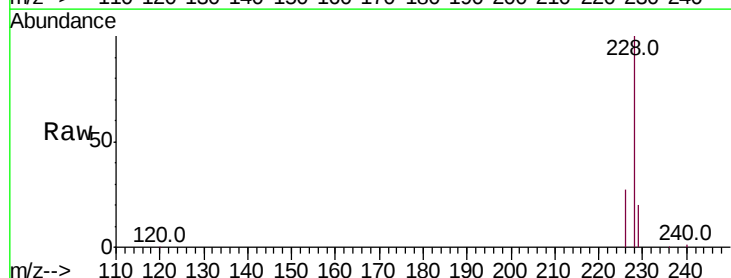
Tgt Ion:228 Resp: 73198

Ion Ratio Lower Upper

228 100

229 20.1 16.2 24.4

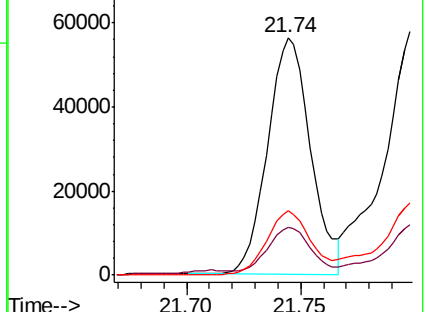
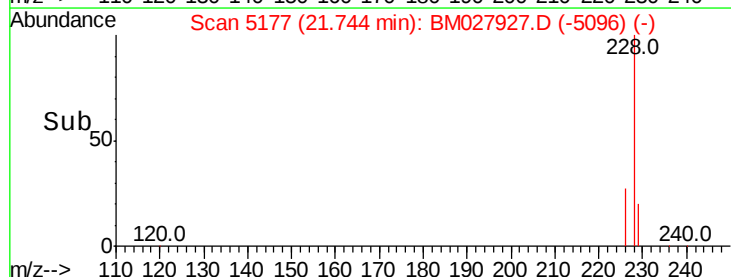
226 27.0 21.5 32.3

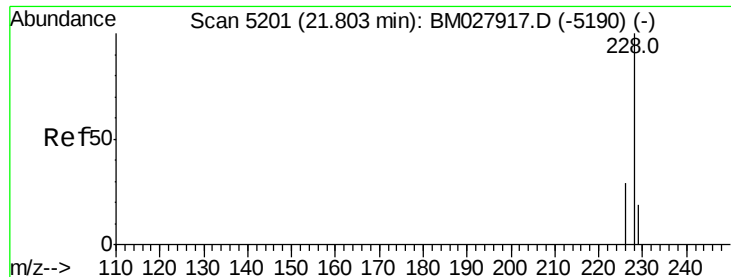


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 7.682 ng/ul

RT: 21.80 min Scan# 5199

Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

Instrument :

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ClientSampleId :

C0B58DL

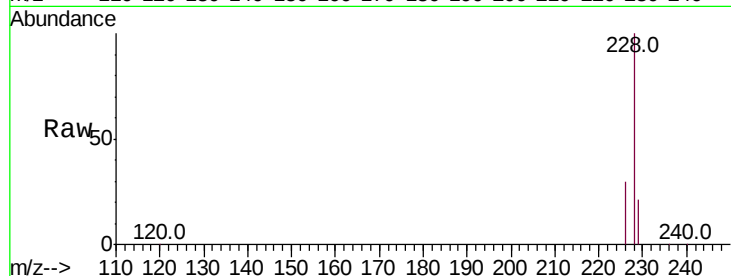
Tot Ion:228 Resp: 85828

Ion Ratio Lower Upper

228 100

226 29.5 24.1 36.1

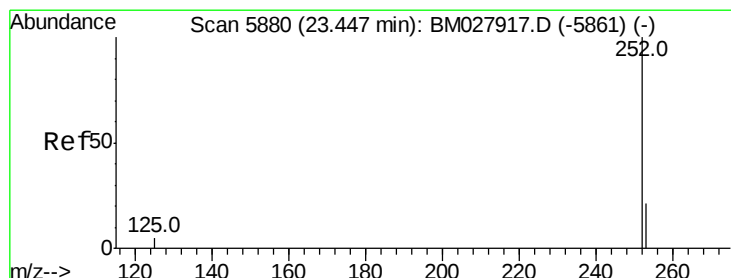
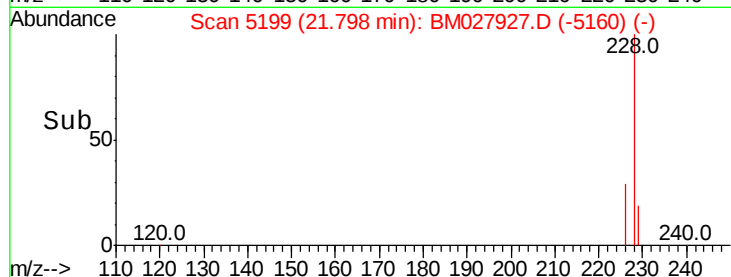
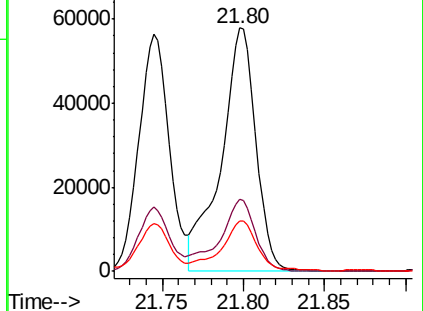
229 20.8 16.6 24.8



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: 11.408 ng/ul

RT: 23.44 min Scan# 5879

Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

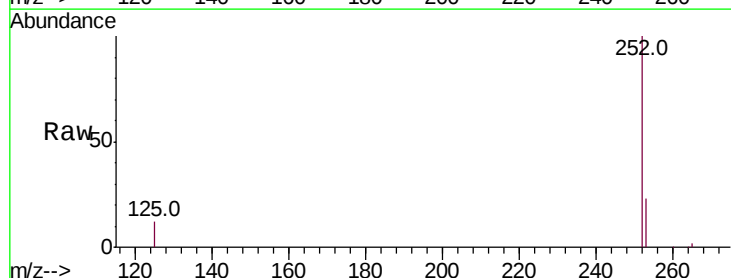
Tgt Ion:252 Resp: 127144

Ion Ratio Lower Upper

252 100

253 22.8 0.0 59.6

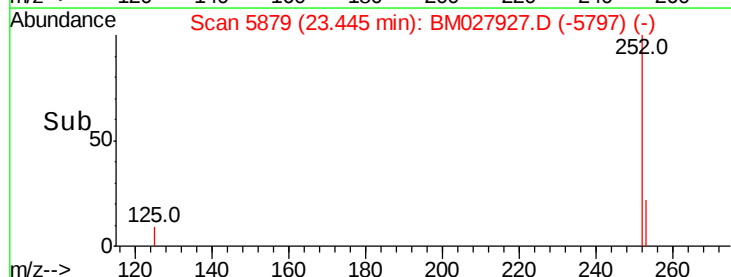
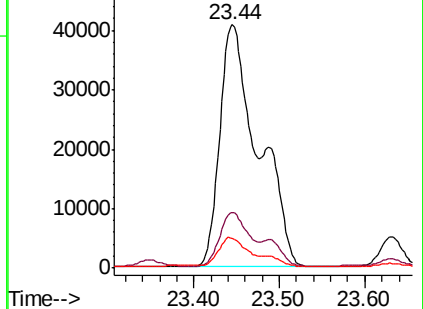
125 12.4 0.0 28.4

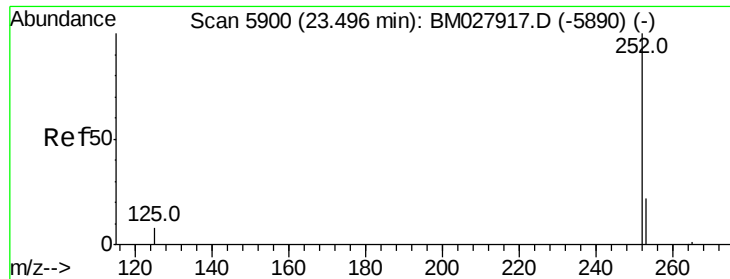


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 11.645 ng/ul

RT: 23.44 min Scan# 5879

Delta R.T. -0.05 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

Instrument :

BNA_M

ClientSampleId :

C0B58DL

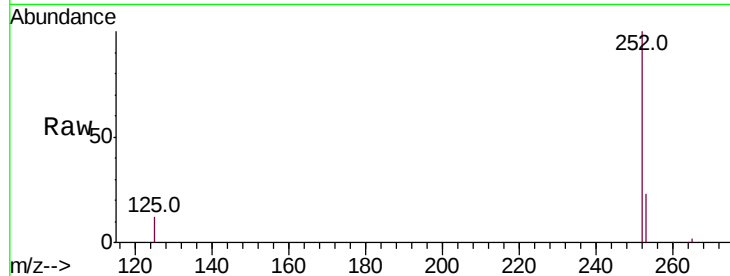
Tot Ion:252 Resp: 127104

Ion Ratio Lower Upper

252 100

253 22.8 23.2 34.8#

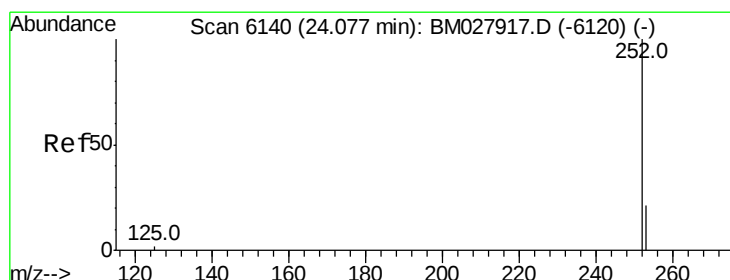
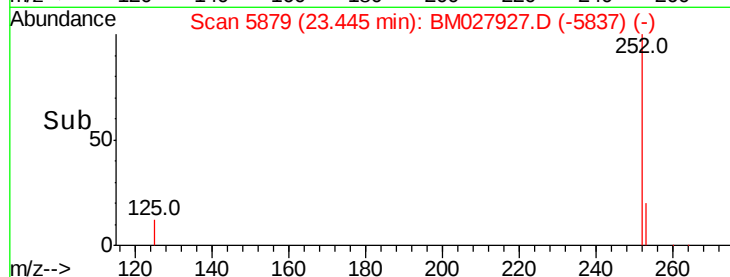
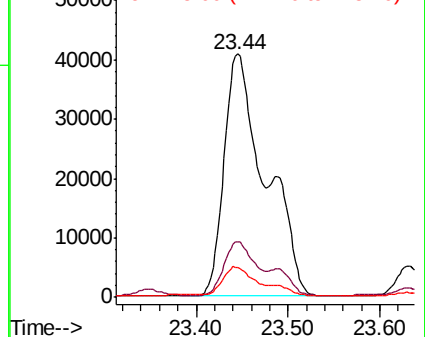
125 12.4 11.8 17.6



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: 5.891 ng/ul

RT: 24.07 min Scan# 6139

Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

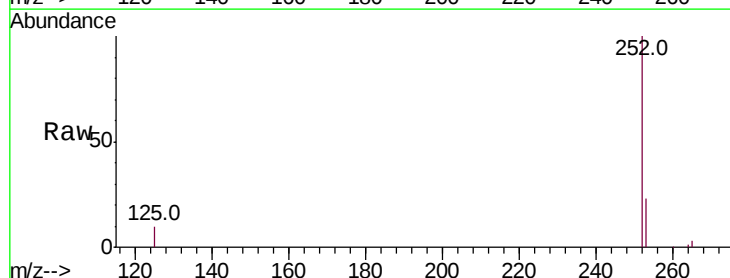
Tgt Ion:252 Resp: 57407

Ion Ratio Lower Upper

252 100

253 22.7 25.2 37.8#

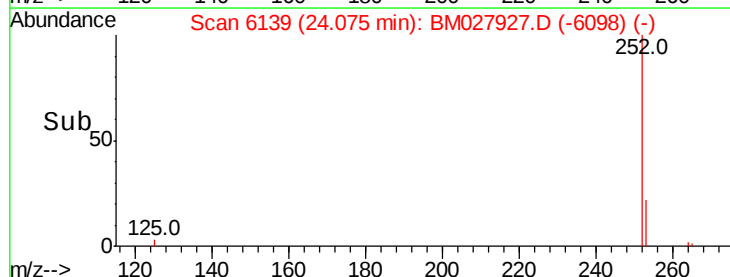
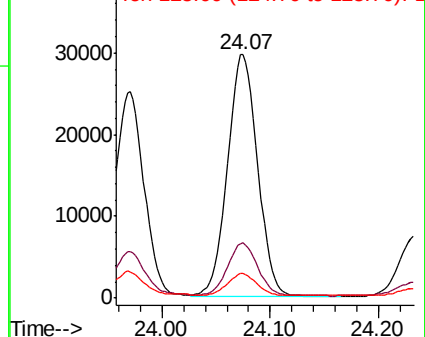
125 10.1 13.8 20.6#

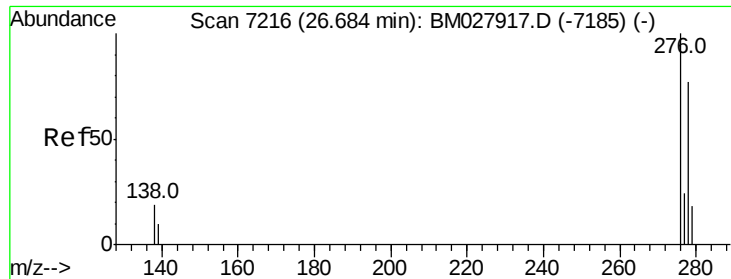


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



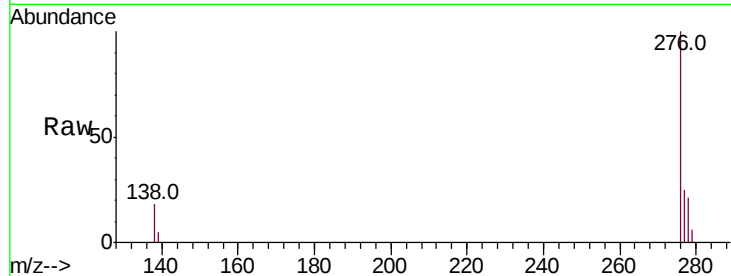


#24

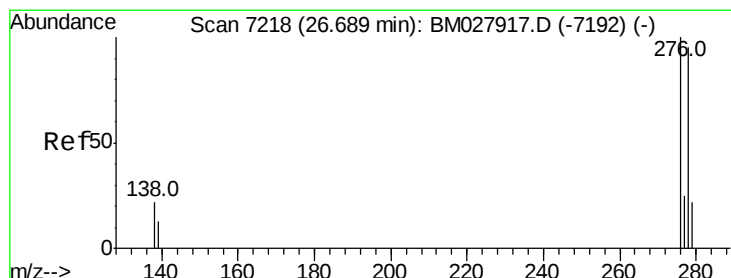
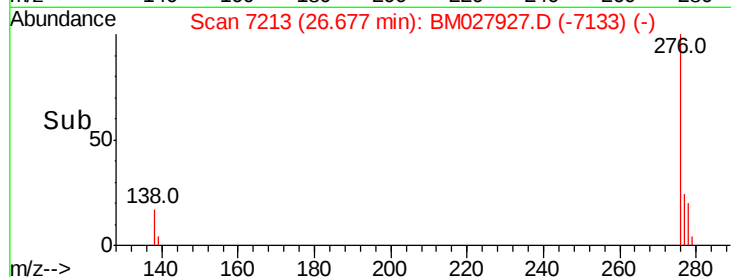
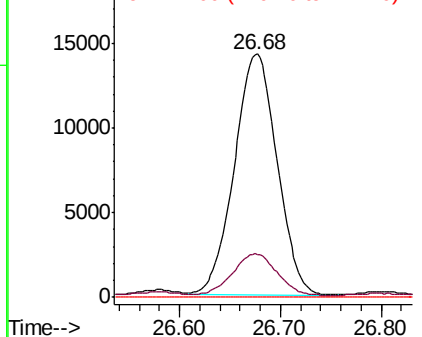
Indeno(1,2,3-cd)pyrene
Concen: 3.972 ng/ul
RT: 26.68 min Scan# 7213
Delta R.T. -0.01 min
Lab File: BM027927.D
Acq: 23 Nov 2020 23:27

Instrument :
BNA_M
ClientSampleId :
C0B58DL

Tot Ion:276 Resp: 41902
Ion Ratio Lower Upper
276 100
138 17.8 15.7 23.5
227 0.0 0.0 0.0



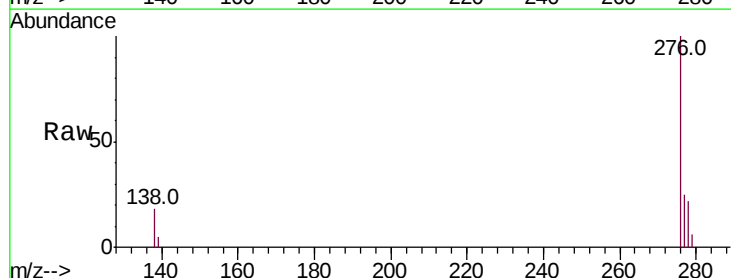
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



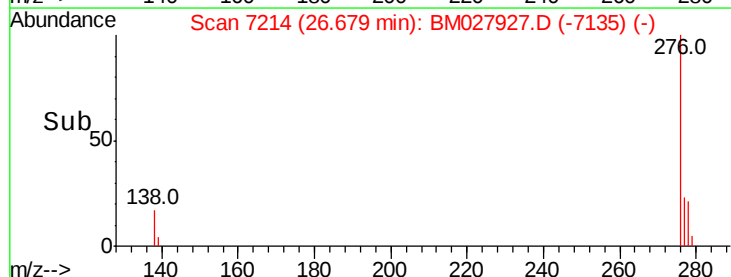
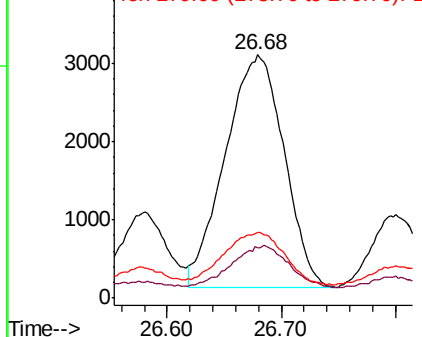
#25

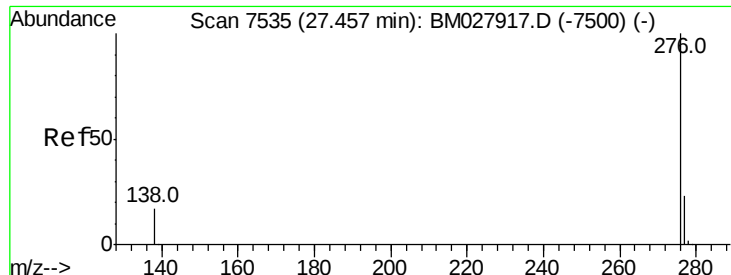
Dibenzo(a,h)anthracene
Concen: 1.209 ng/ul
RT: 26.68 min Scan# 7214
Delta R.T. -0.01 min
Lab File: BM027927.D
Acq: 23 Nov 2020 23:27

Tgt Ion:278 Resp: 10622
Ion Ratio Lower Upper
278 100
139 20.8 14.8 22.2
279 27.1 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: 4.603 ng/ul

RT: 27.45 min Scan# 7532

Delta R.T. -0.00 min

Lab File: BM027927.D

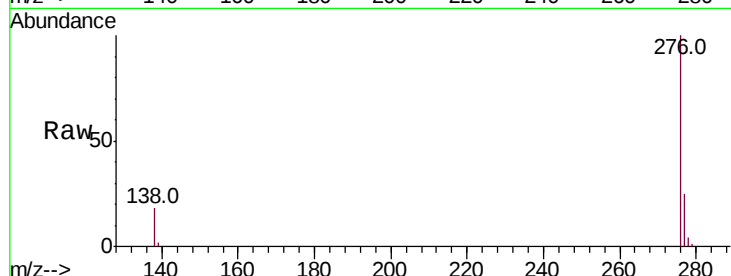
Acq: 23 Nov 2020 23:27

Instrument :

BNA_M

ClientSampleId :

C0B58DL



Tot Ion:276 Resp: 40743

Ion Ratio Lower Upper

276 100

138 18.3 17.4 26.2

277 24.6 22.5 33.7

